

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059260.D
 Acq On : 15 Nov 2019 13:08
 Operator : JC/SP
 Sample : VN1115MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBS01

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:09:46 PM

Quant Time: Nov 16 00:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	382515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	534180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	235282	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.57	113	189012	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
50) Toluene-d8	10.08	98	711512	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	257435	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	68204	17.697	ug/l	97
3) Chloromethane	2.04	50	91618	17.488	ug/l	96
4) Vinyl Chloride	2.17	62	94727	18.650	ug/l	98
5) Bromomethane	2.55	94	54999	18.817	ug/l	96
6) Chloroethane	2.69	64	56571	18.828	ug/l	97
7) Trichlorofluoromethane	3.00	101	122584	20.177	ug/l	99
8) Diethyl Ether	3.39	74	49778	20.165	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	73574	20.086	ug/l	99
10) Methyl Iodide	3.93	142	86656	19.112	ug/l	98
11) Tert butyl alcohol	4.75	59	84438	94.226	ug/l	100
12) 1,1-Dichloroethene	3.72	96	69095	19.364	ug/l	100
13) Acrolein	3.58	56	27473	59.463	ug/l	95
14) Allyl chloride	4.30	41	142563	19.450	ug/l	98
15) Acrylonitrile	4.96	53	243084	109.000	ug/l	99
16) Acetone	3.79	43	197261	80.673	ug/l	97
17) Carbon Disulfide	4.03	76	185529	16.749	ug/l	98
18) Methyl Acetate	4.30	43	130791	22.535	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	258765	21.063	ug/l	100
20) Methylene Chloride	4.53	84	86765	20.368	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	75903	19.817	ug/l	98
22) Diisopropyl ether	5.92	45	290783	21.003	ug/l	97
23) Vinyl Acetate	5.87	43	1170318	109.071	ug/l	100
24) 1,1-Dichloroethane	5.82	63	158432	20.489	ug/l	98
25) 2-Butanone	6.81	43	311630	96.701	ug/l	99
26) 2,2-Dichloropropane	6.80	77	133793	19.787	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92402	20.794	ug/l	97
28) Bromochloromethane	7.17	49	45578	19.592	ug/l	98
29) Tetrahydrofuran	7.19	42	217539	106.239	ug/l	100
30) Chloroform	7.35	83	157044	21.171	ug/l	98
31) Cyclohexane	7.63	56	134547	18.380	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	129553	20.774	ug/l	99
36) 1,1-Dichloropropene	7.77	75	109751	19.786	ug/l	99
37) Ethyl Acetate	6.90	43	129533	20.991	ug/l	99
38) Carbon Tetrachloride	7.75	117	113101	20.486	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	123865	19.241	ug/l	99
40) Benzene	8.02	78	342988	20.534	ug/l	99
41) Methacrylonitrile	7.16	41	57602m	21.467	ug/l	
42) 1,2-Dichloroethane	8.10	62	117116	20.443	ug/l	99
43) Isopropyl Acetate	8.15	43	202366	20.570	ug/l	99
44) Trichloroethene	8.82	130	85088	20.723	ug/l	97
45) 1,2-Dichloropropane	9.10	63	97007	21.381	ug/l	99
46) Dibromomethane	9.19	93	58468	20.680	ug/l	98
47) Bromodichloromethane	9.39	83	119373	21.145	ug/l	98
48) Methyl methacrylate	9.19	41	88274	20.060	ug/l	98
49) 1,4-Dioxane	9.18	88	29114	372.294	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	639646	114.911	ug/l	100
52) Toluene	10.15	92	205853	20.561	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	132151	20.261	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	143980	20.522	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	86761	21.413	ug/l	99
56) Ethyl methacrylate	10.42	69	122579	19.332	ug/l	99
57) 1,3-Dichloropropane	10.70	76	148450	21.287	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	229184	101.636	ug/l	98
59) 2-Hexanone	10.74	43	459052	107.443	ug/l	100
60) Dibromochloromethane	10.90	129	90061	21.023	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86807	21.164	ug/l	99
64) Tetrachloroethene	10.63	164	75878	20.890	ug/l	96
65) Chlorobenzene	11.43	112	218317	20.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	85067	21.777	ug/l	100
67) Ethyl Benzene	11.51	91	391802	21.207	ug/l	100
68) m/p-Xylenes	11.62	106	288695	41.715	ug/l	99
69) o-Xylene	11.95	106	140974	21.078	ug/l	96
70) Styrene	11.96	104	221100	21.020	ug/l	99
71) Bromoform	12.12	173	63433	20.877	ug/l #	99
73) Isopropylbenzene	12.25	105	378998	21.133	ug/l	100
74) N-amyl acetate	12.07	43	152694	20.093	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	131689	21.562	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113846m	20.282	ug/l	
77) Bromobenzene	12.53	156	92799	20.595	ug/l	99
78) n-propylbenzene	12.59	91	428847	20.884	ug/l	99
79) 2-Chlorotoluene	12.67	91	259982	20.409	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	315968	20.792	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42854	20.165	ug/l	100
82) 4-Chlorotoluene	12.77	91	260953	20.424	ug/l	98
83) tert-Butylbenzene	12.99	119	273749	20.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	308259	20.966	ug/l	100
85) sec-Butylbenzene	13.17	105	360593	21.127	ug/l	100
86) p-Isopropyltoluene	13.29	119	317758	21.085	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	158274	20.513	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	153261	19.853	ug/l	98
89) n-Butylbenzene	13.62	91	265561	20.133	ug/l	100
90) Hexachloroethane	13.88	117	61588	20.352	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	158833	20.926	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24801	20.369	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79002	19.157	ug/l	99
94) Hexachlorobutadiene	15.01	225	55764	21.307	ug/l	100
95) Naphthalene	15.13	128	210256	18.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	82865	19.481	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

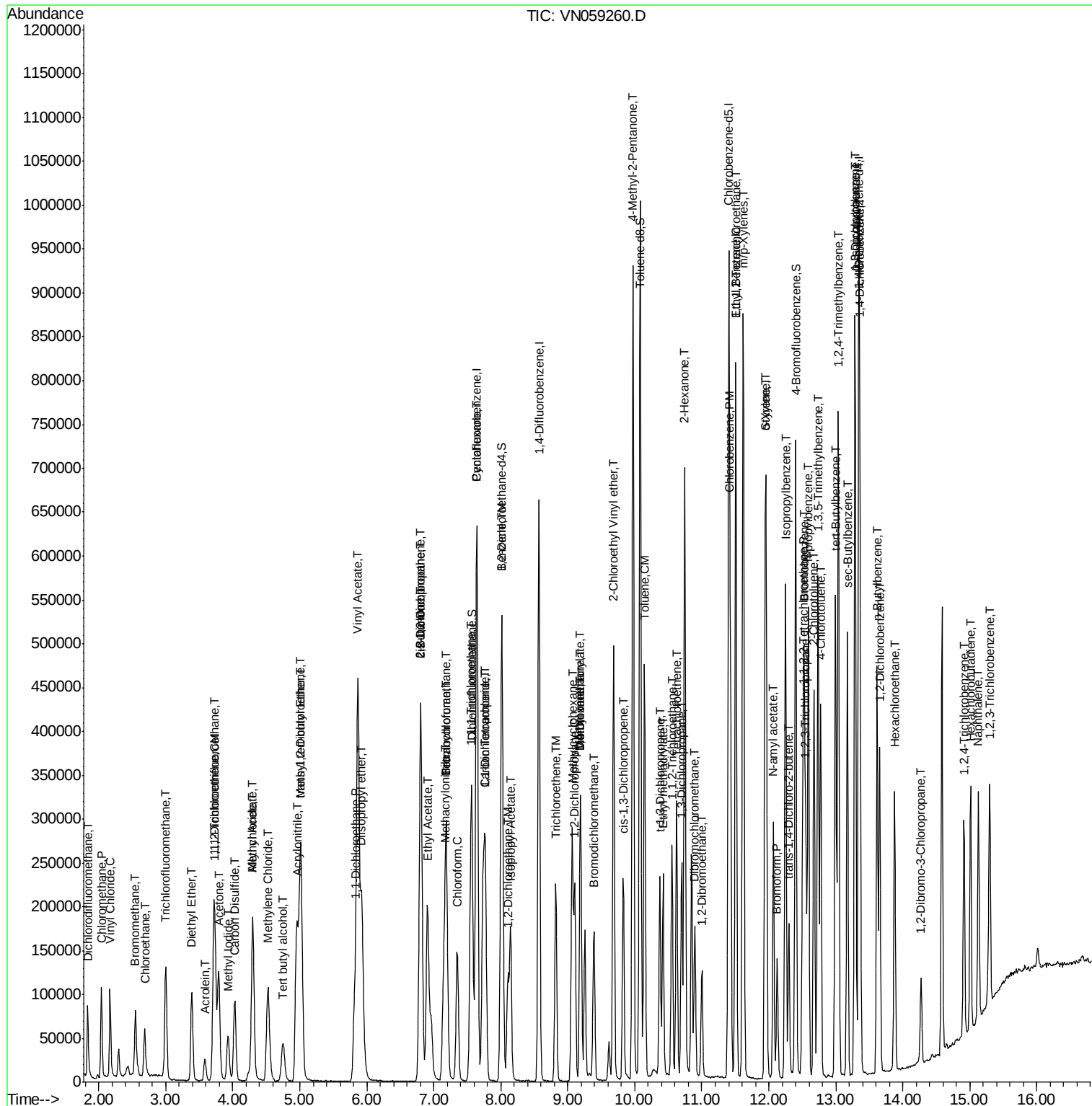
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Data File : VN059260.D
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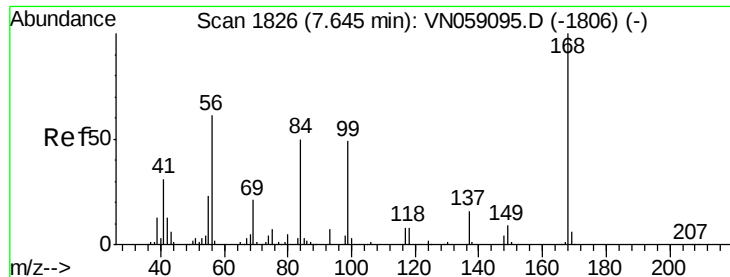
Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion:168 Resp: 382515

Ion Ratio Lower Upper

168 100

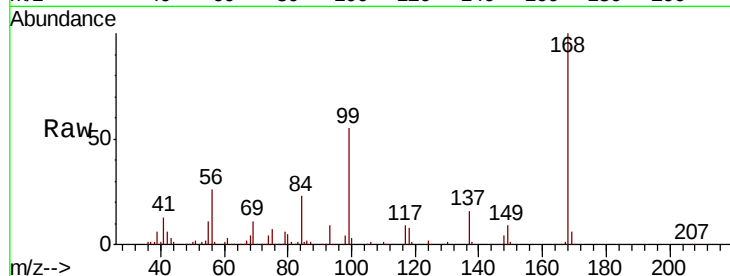
99 55.1 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

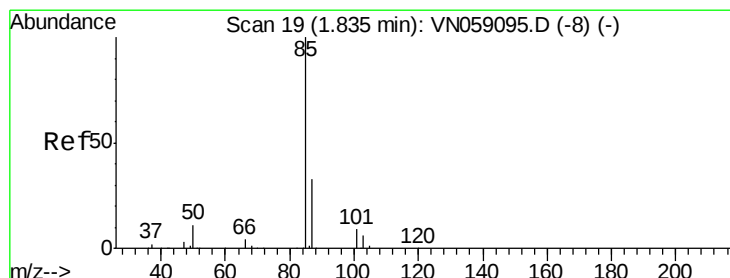
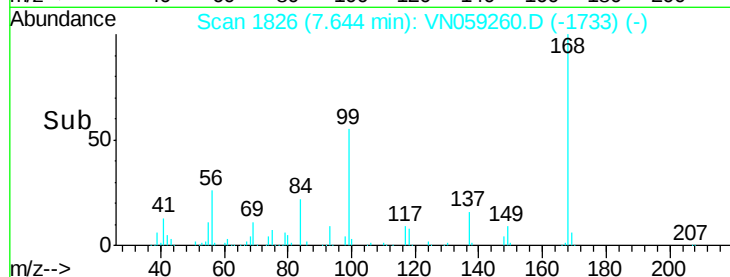
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.697 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059260.D

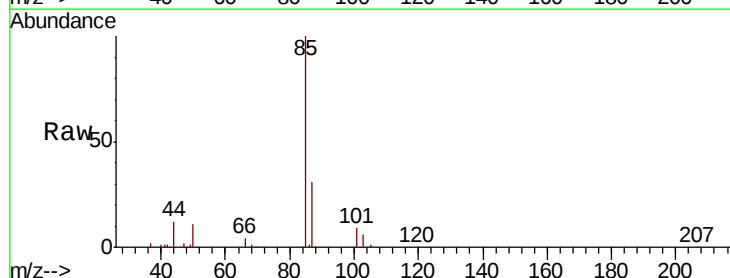
Acq: 15 Nov 2019 13:08

Tgt Ion: 85 Resp: 68204

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

30000

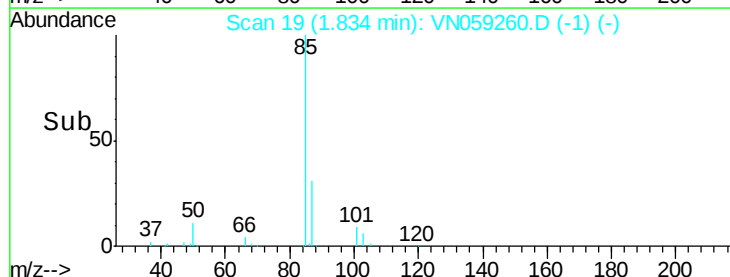
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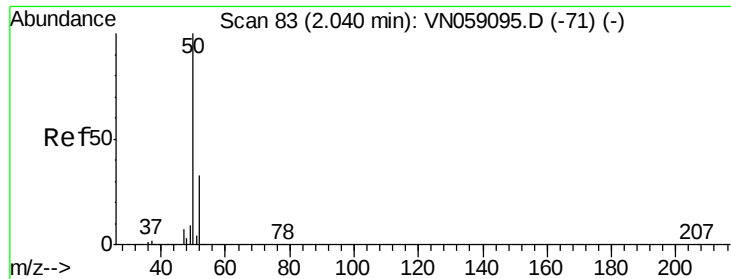
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.488 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 50 Resp: 91618

Ion Ratio Lower Upper

50 100

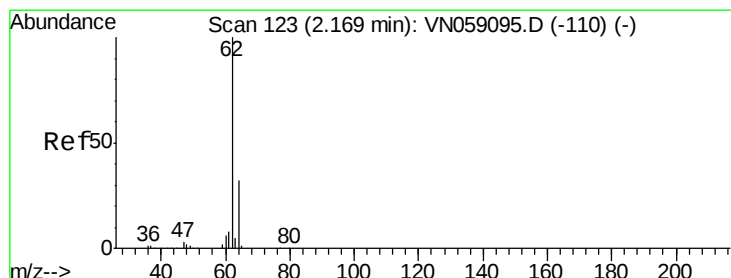
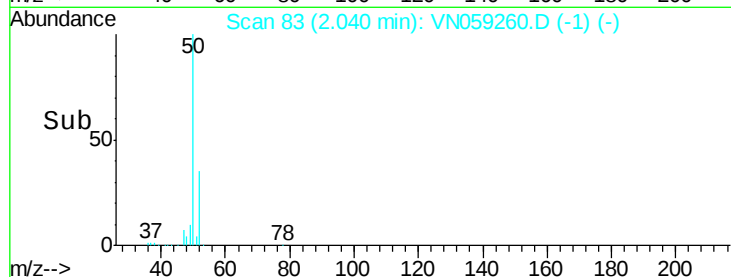
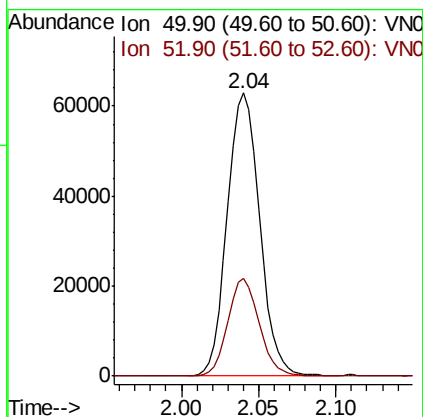
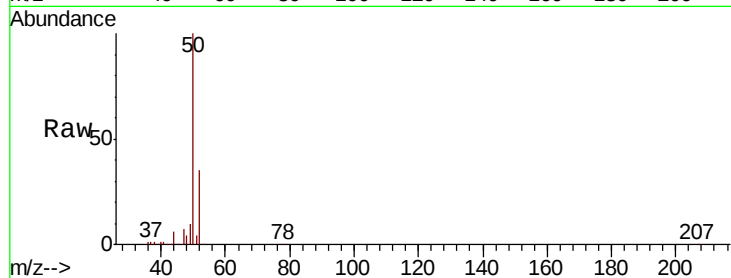
52 34.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.650 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059260.D

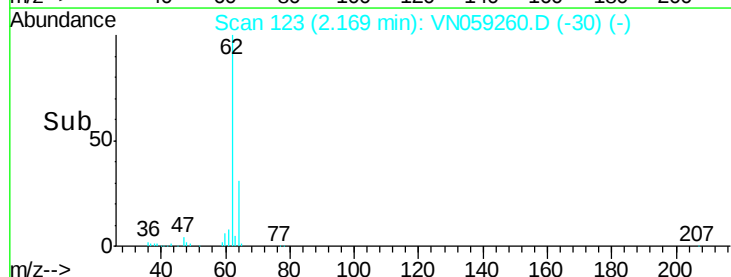
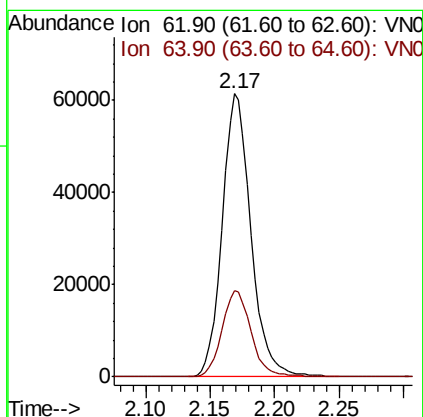
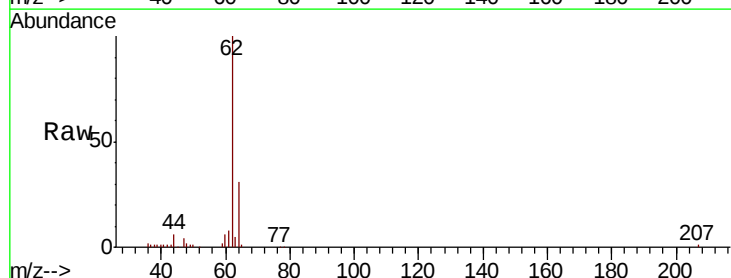
Acq: 15 Nov 2019 13:08

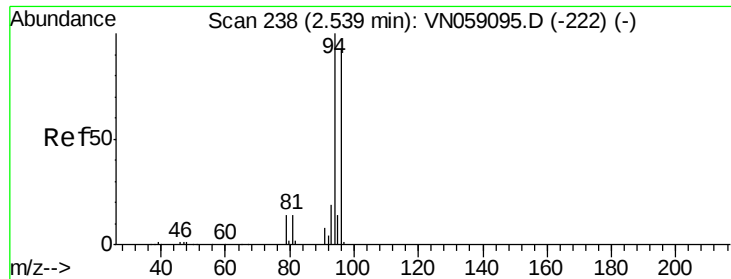
Tgt Ion: 62 Resp: 94727

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2





#5

Bromomethane

Concen: 18.817 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

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Tot Ion: 94 Resp: 54999

Ion Ratio Lower Upper

94 100

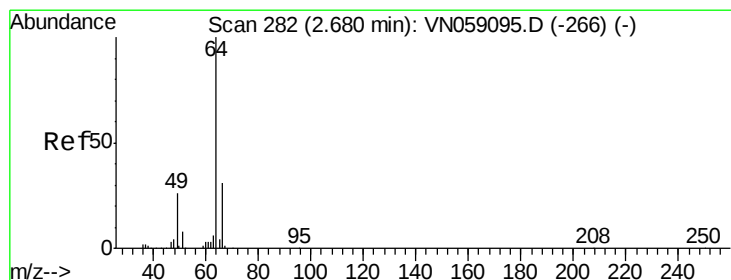
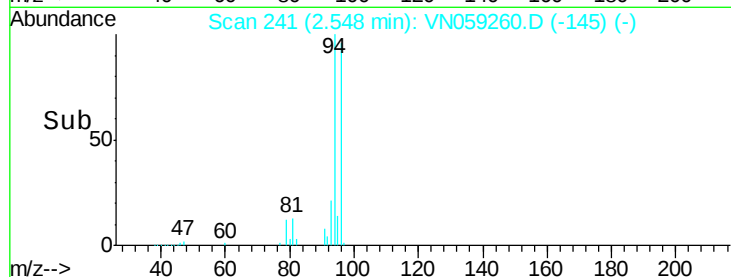
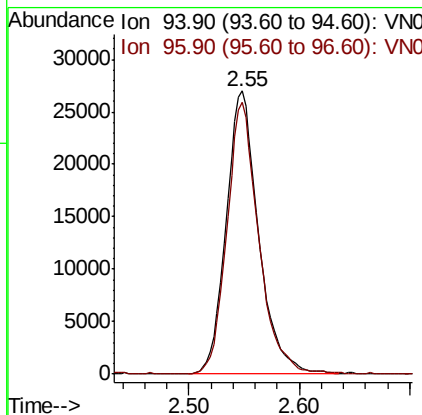
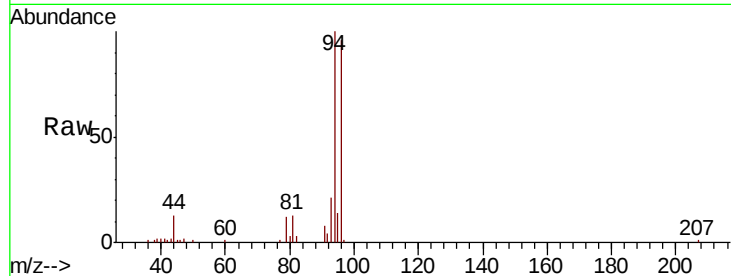
96 96.2 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 18.828 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059260.D

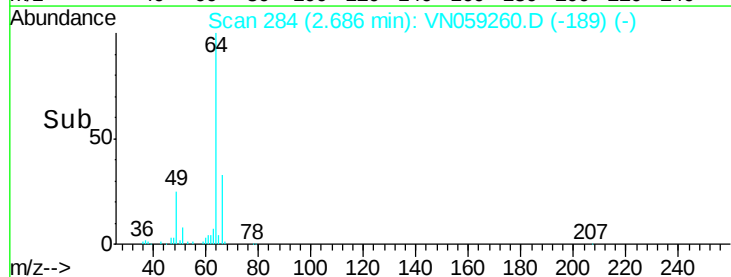
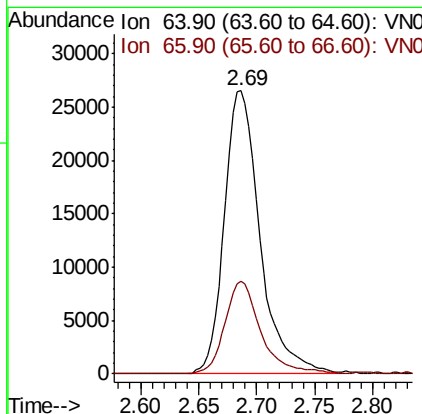
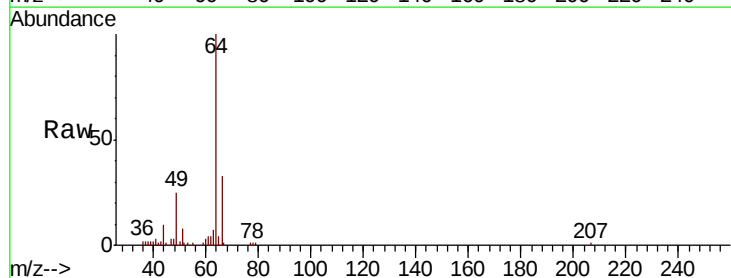
Acq: 15 Nov 2019 13:08

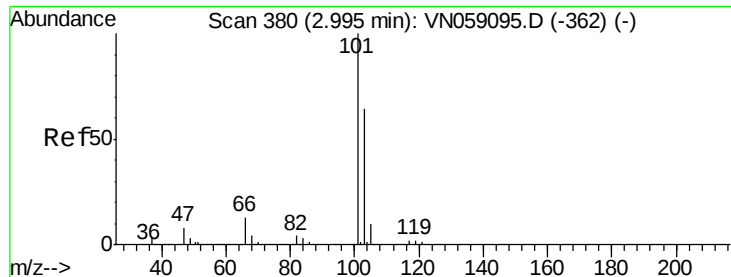
Tgt Ion: 64 Resp: 56571

Ion Ratio Lower Upper

64 100

66 32.9 25.2 37.8





#7

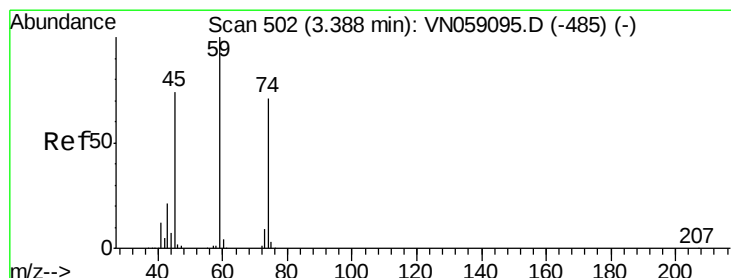
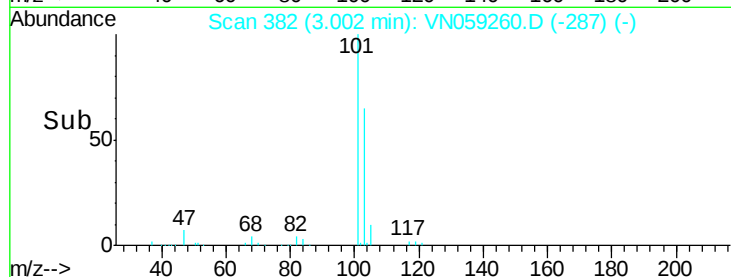
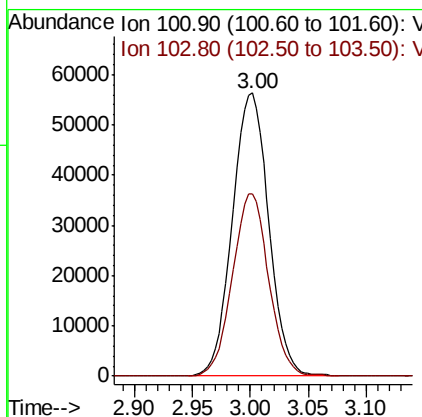
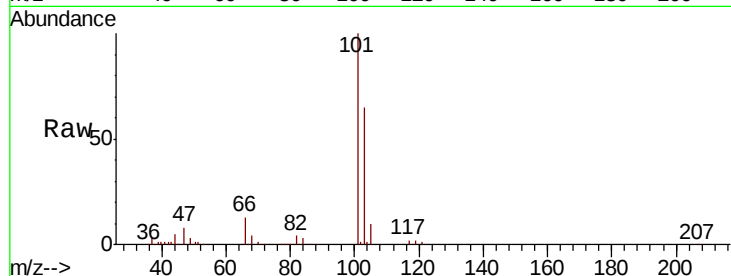
Trichlorofluoromethane
 Concen: 20.177 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

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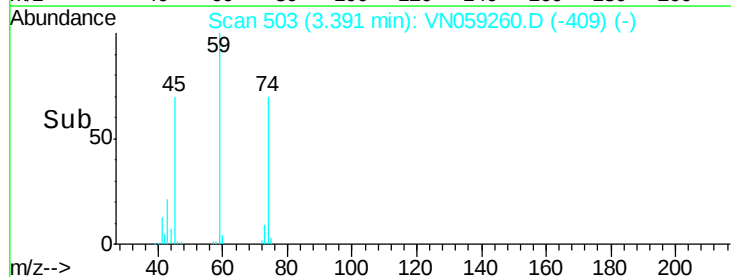
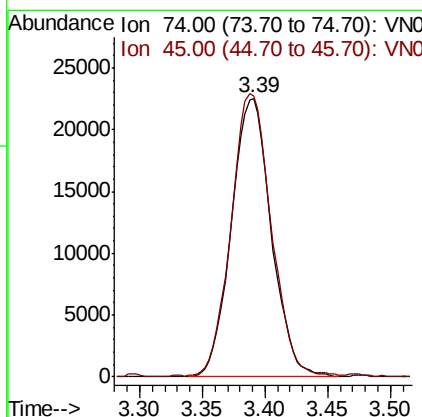
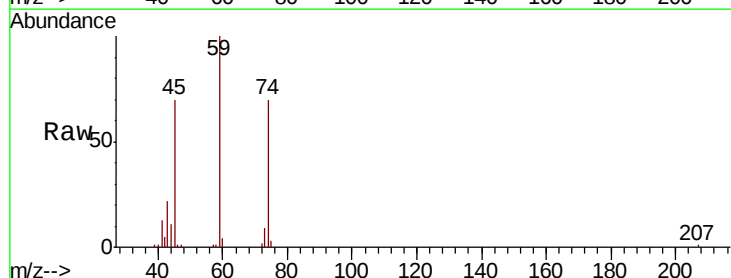
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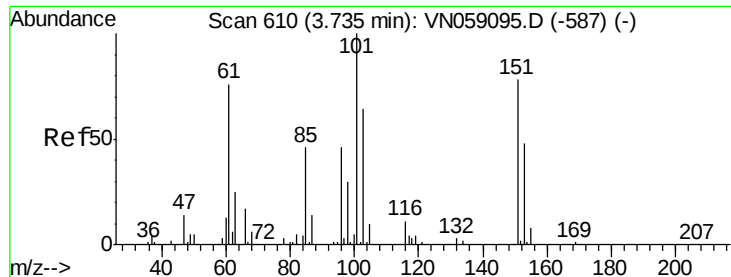


#8

Diethyl Ether
 Concen: 20.165 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.086 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

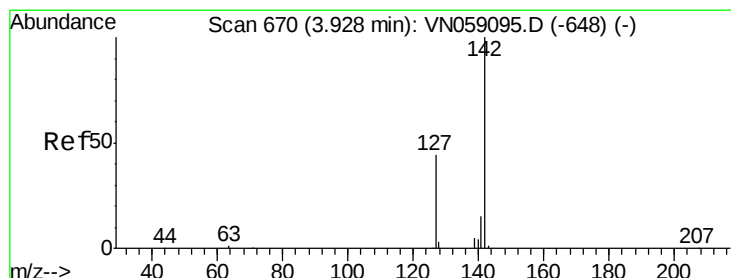
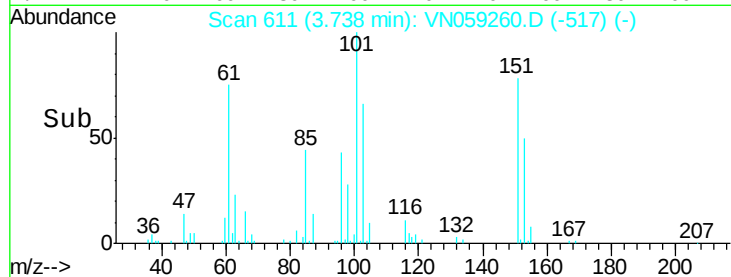
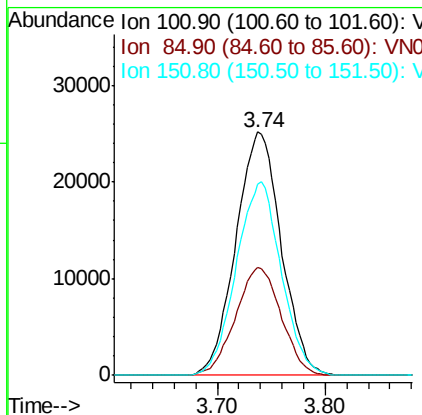
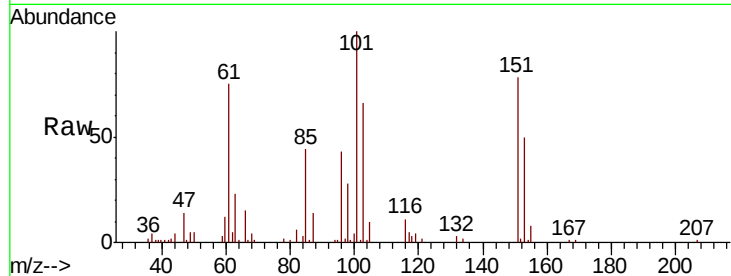
ClientSampleId :

VN1115MBS01

Tot Ion:	101	Resp:	73574
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	78.8	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.112 ug/l

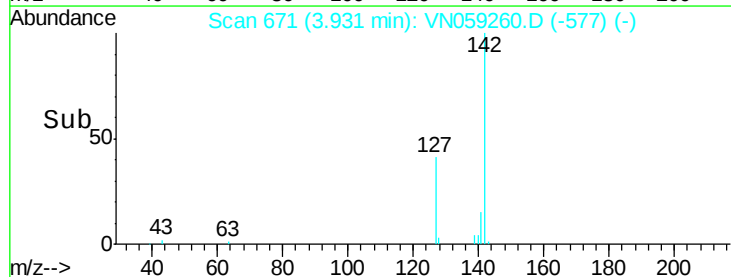
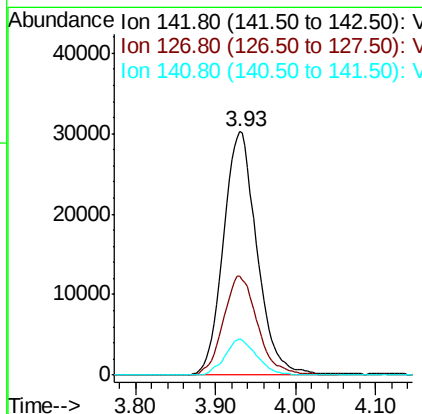
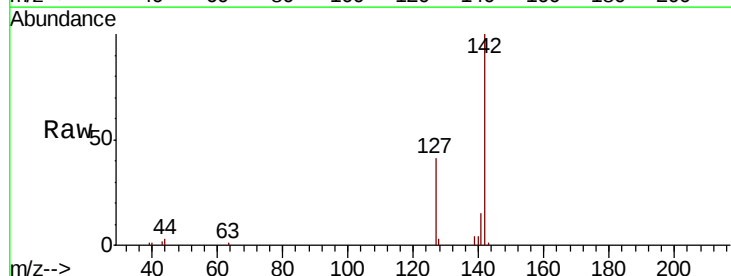
RT: 3.93 min Scan# 671

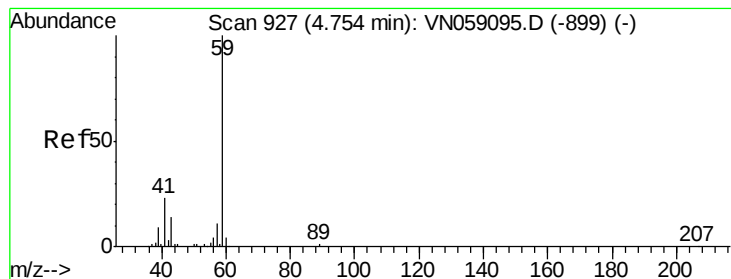
Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	142	Resp:	86656
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.2	51.2
141	13.9	11.4	17.0





#11

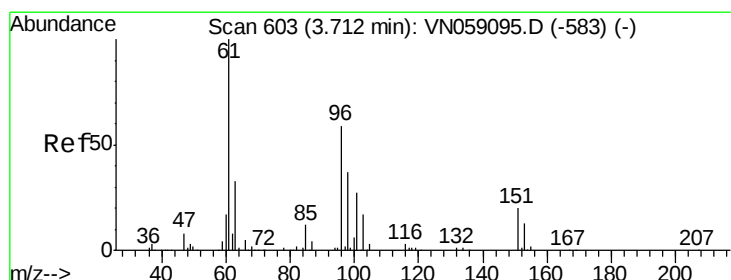
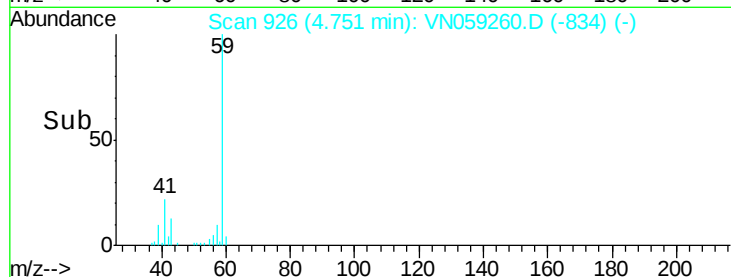
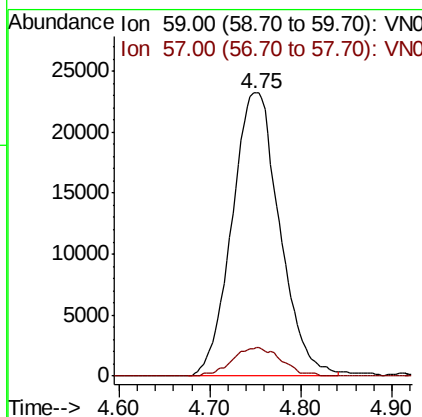
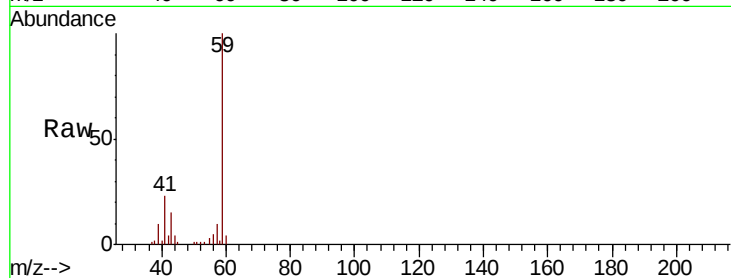
Tert butyl alcohol
Concen: 94.226 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	59	Resp	84438
Ion Ratio	100	Lower	Upper
57	10.4	8.3	12.5

Manual Integrations
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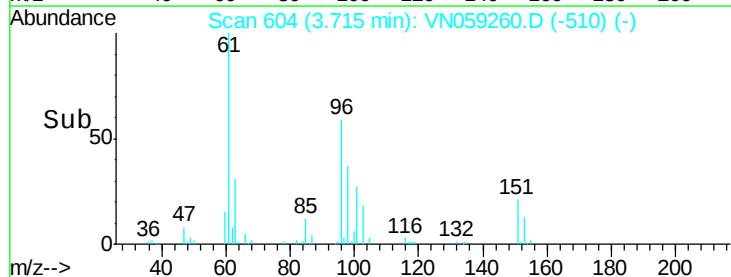
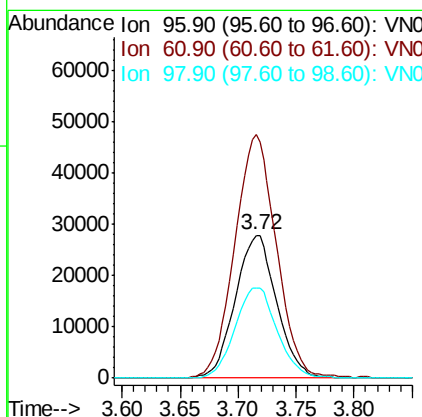
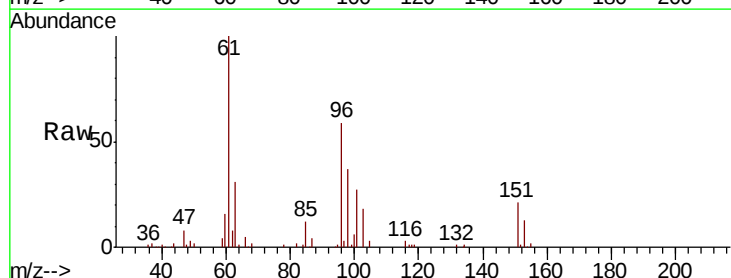
MMDadoda
11/18/2019 3:09:46 PM

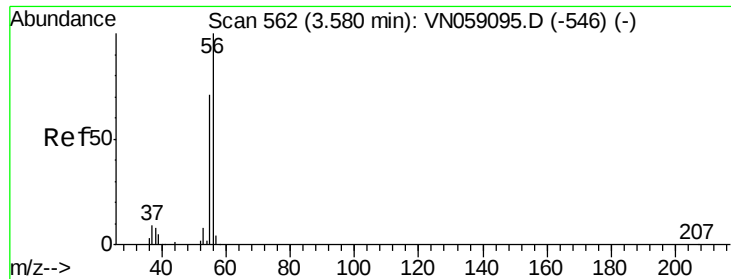


#12

1,1-Dichloroethene
Concen: 19.364 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	96	Resp	69095
Ion Ratio	100	Lower	Upper
61	170.5	136.5	204.7
98	63.4	50.2	75.4





#13

Acrolein

Concen: 59.463 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 56 Resp: 27473

Ion Ratio Lower Upper

56 100

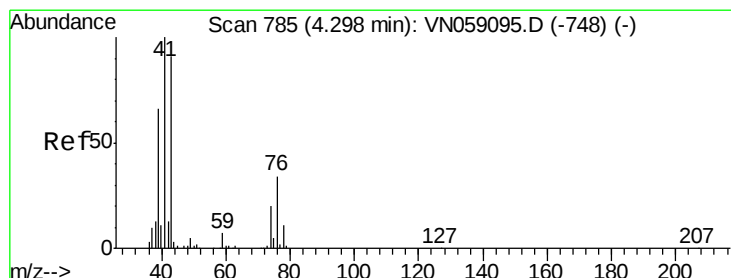
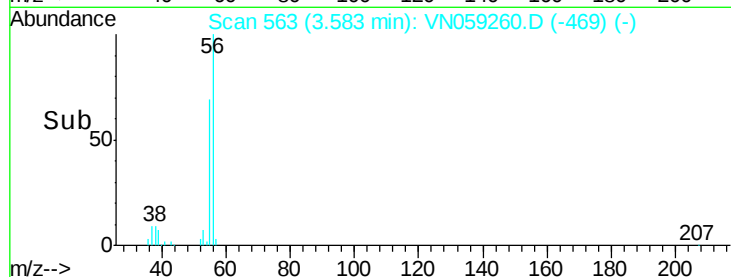
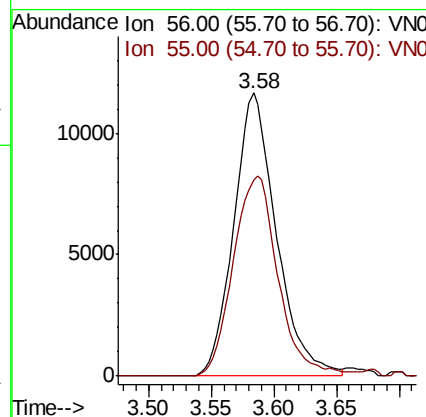
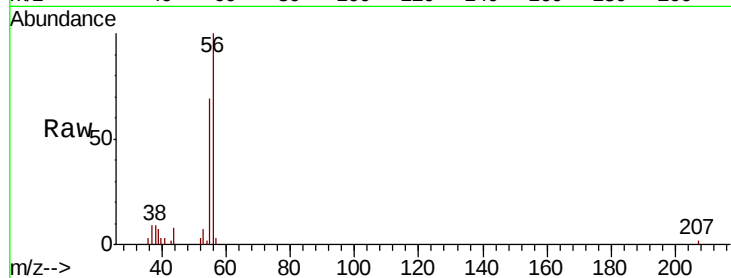
55 74.4 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.450 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

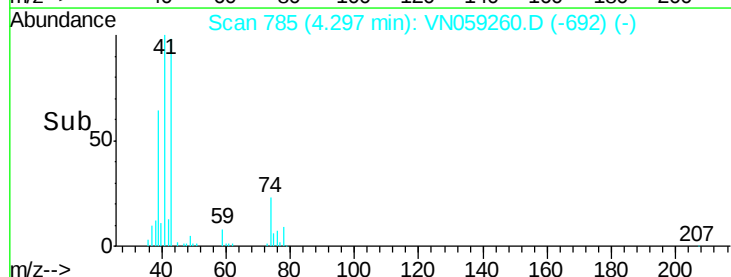
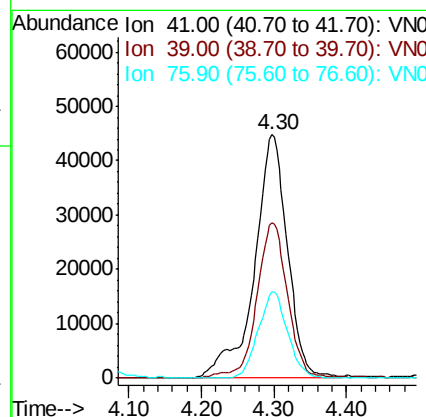
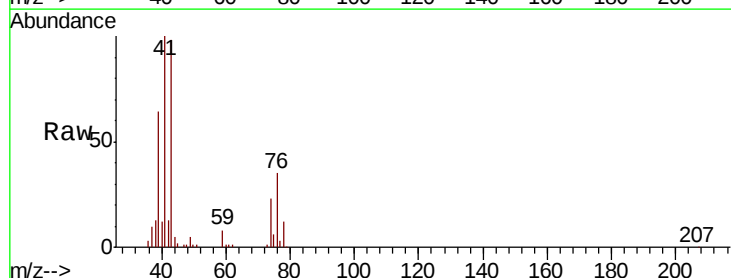
Tgt Ion: 41 Resp: 142563

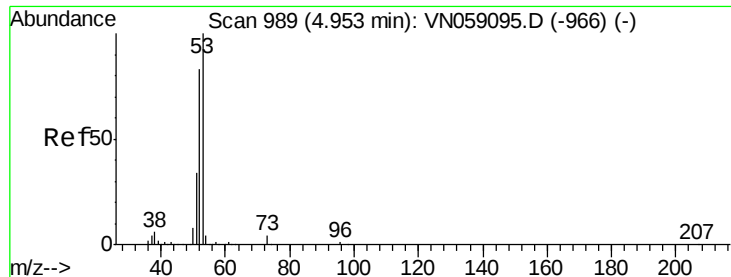
Ion Ratio Lower Upper

41 100

39 59.3 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 109.000 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

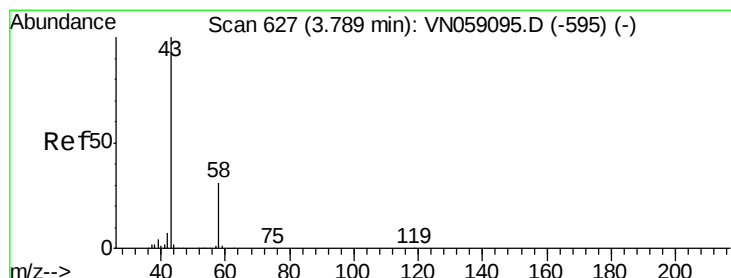
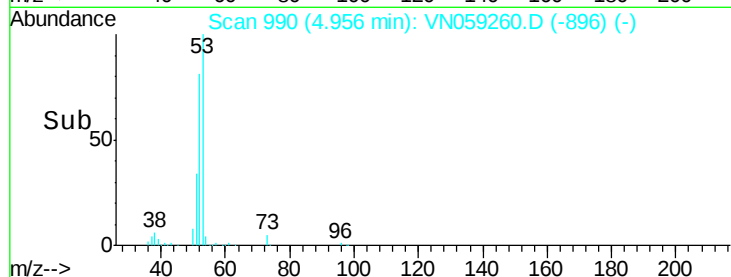
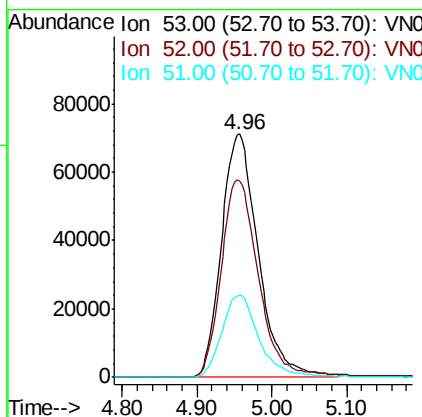
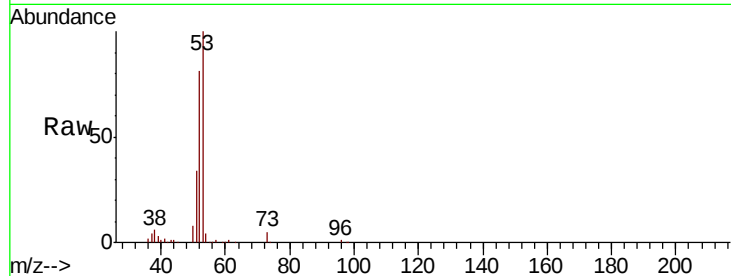
ClientSampleId :

VN1115MBS01

Tot Ion:	53	Resp:	243084
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.0	97.6
51	34.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 80.673 ug/l

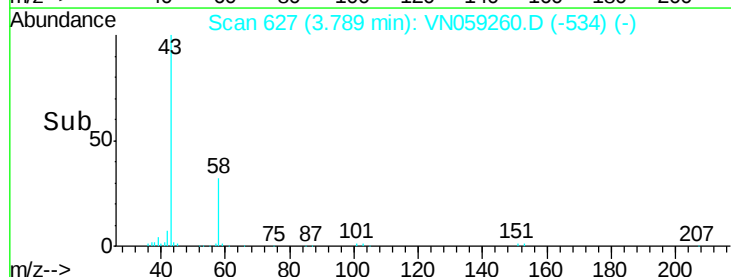
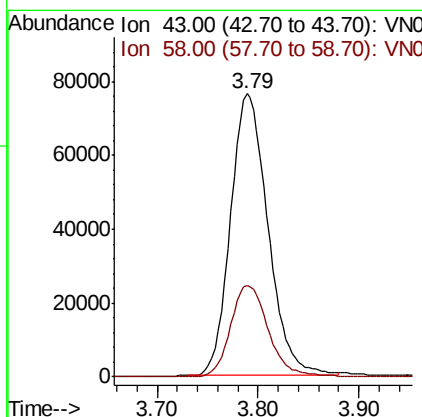
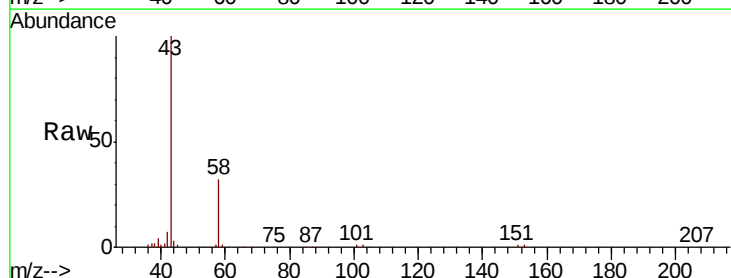
RT: 3.79 min Scan# 627

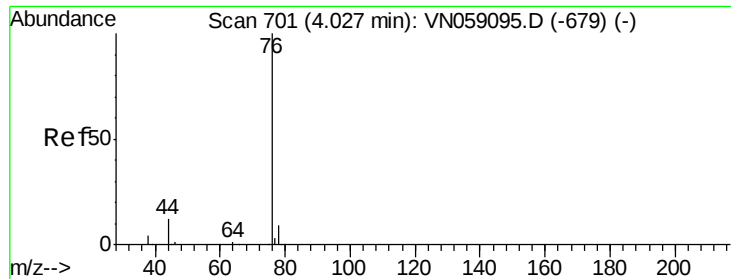
Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	43	Resp:	197261
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.9	37.3





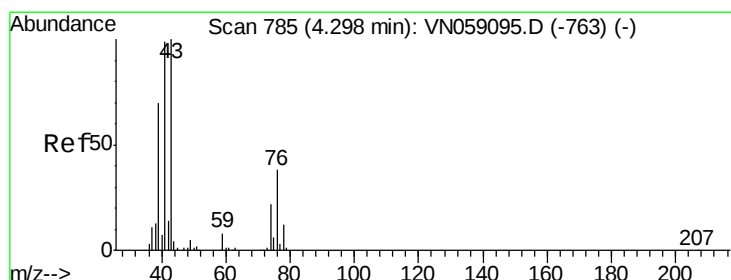
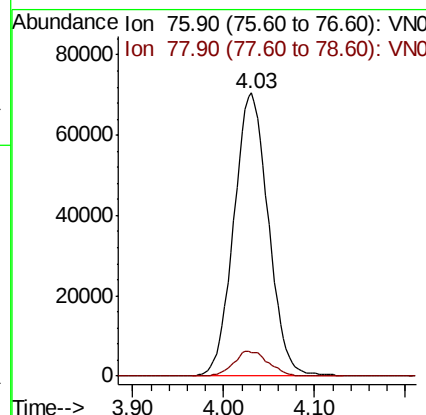
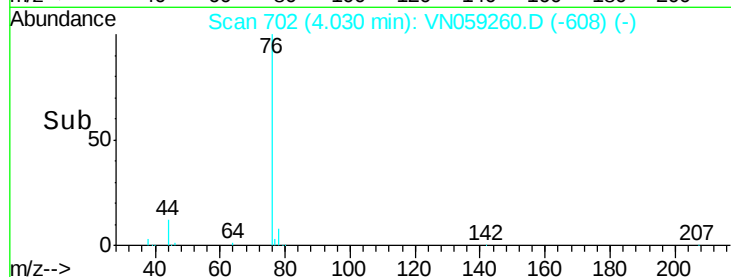
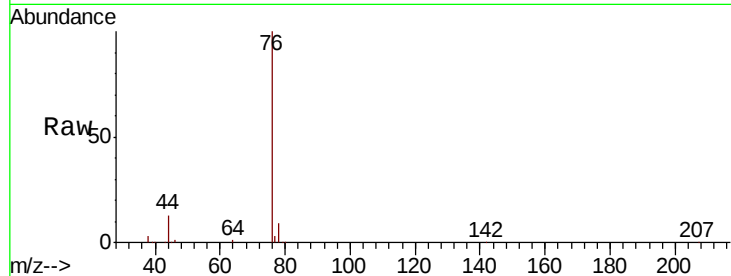
#17
Carbon Disulfide
Concen: 16.749 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

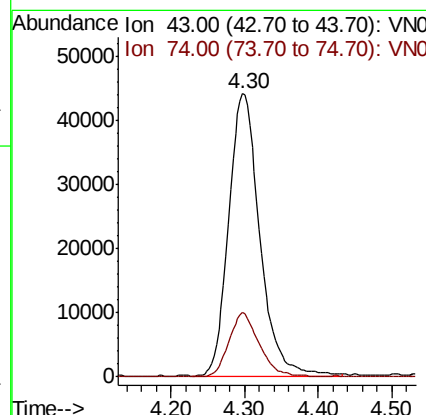
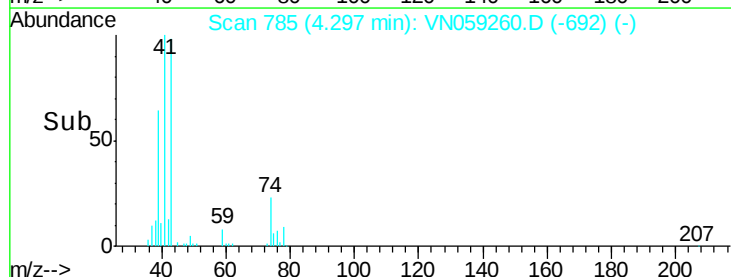
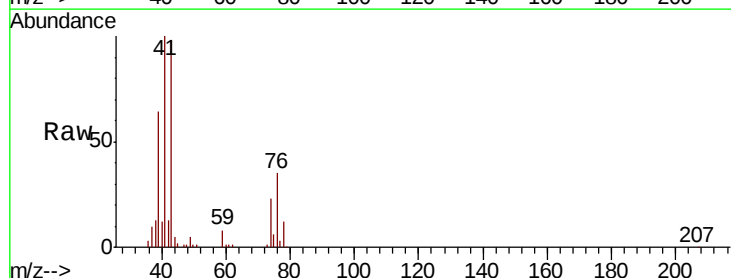
Manual Integrations
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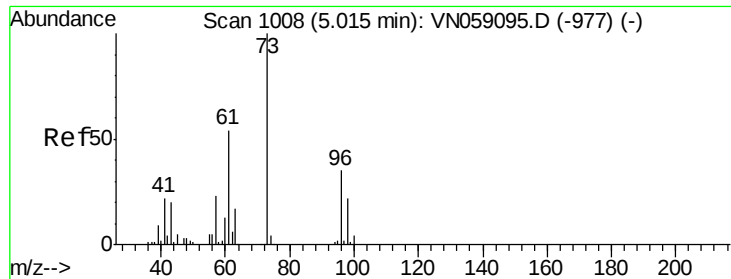
MMDadoda
11/18/2019 3:09:46 PM



#18
Methyl Acetate
Concen: 22.535 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.8	26.8





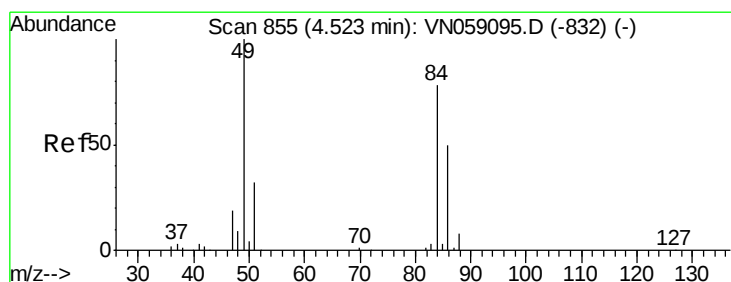
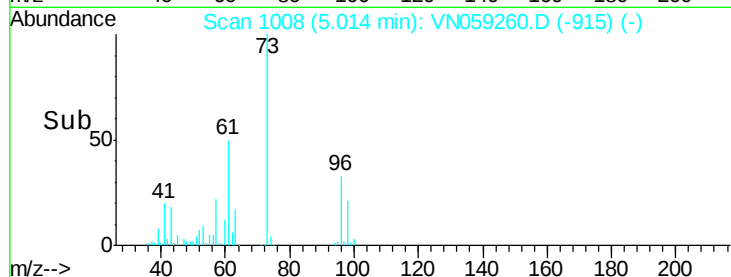
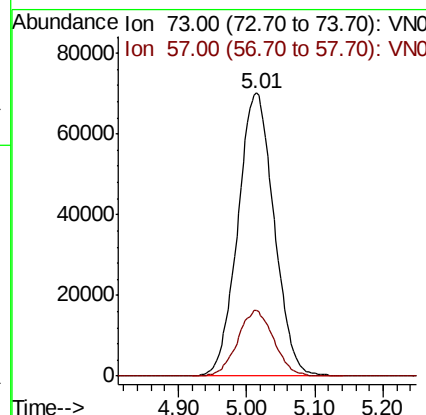
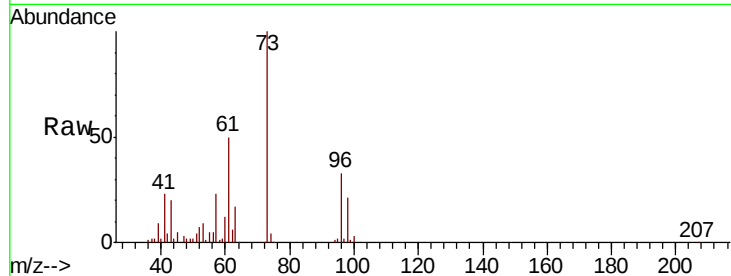
#19
Methyl tert-butyl Ether
Concen: 21.063 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion: 73 Resp: 258765
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

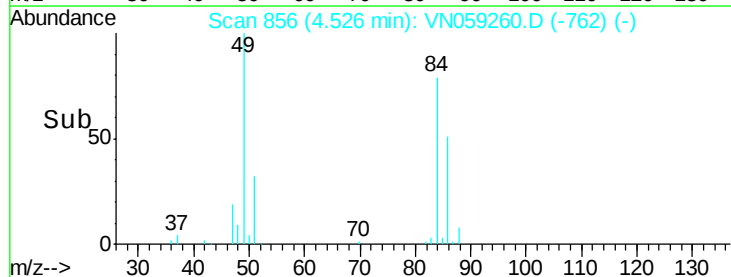
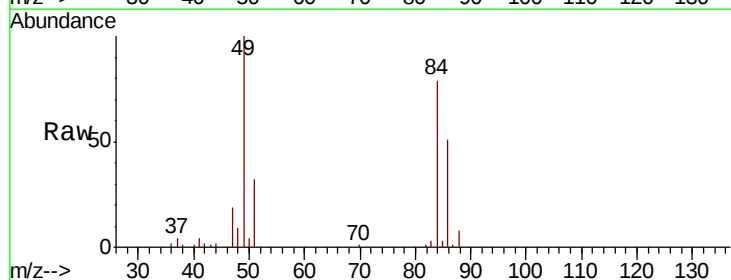
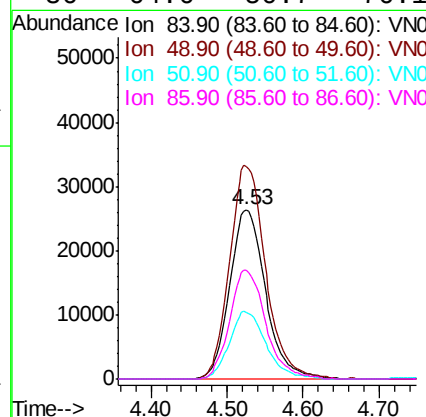
Manual Integrations
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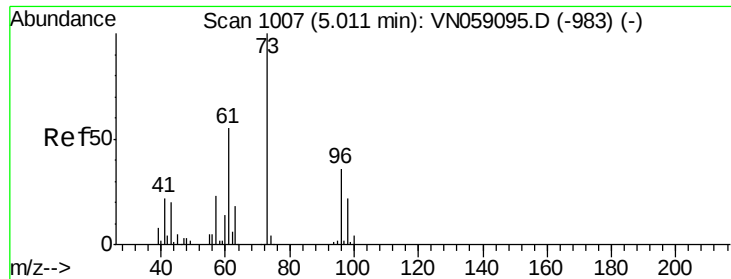
MMDadoda
11/18/2019 3:09:46 PM



#20
Methylene Chloride
Concen: 20.368 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion: 84 Resp: 86765
Ion Ratio Lower Upper
84 100
49 126.0 102.0 153.0
51 39.7 32.2 48.2
86 64.6 50.7 76.1





#21

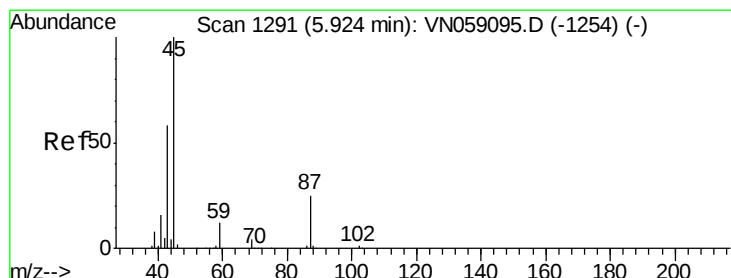
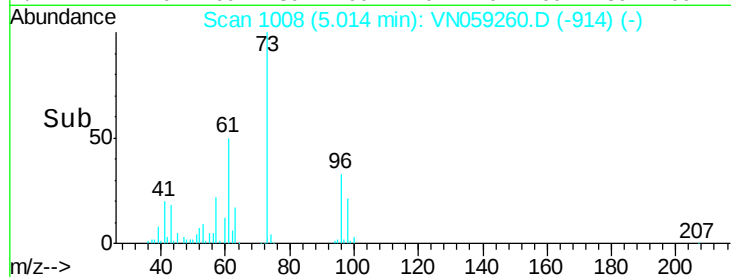
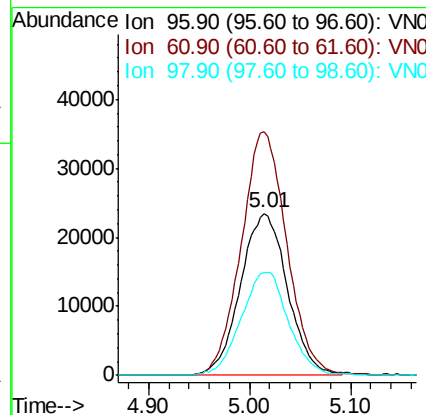
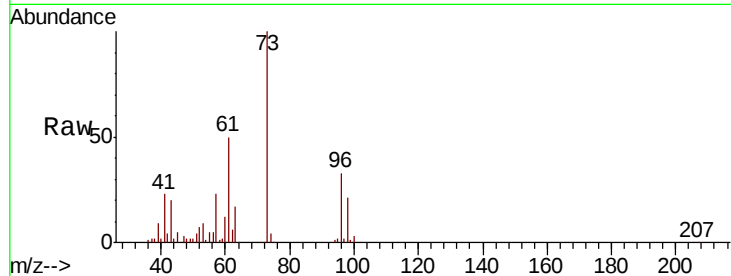
trans-1,2-Dichloroethene
Concen: 19.817 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.2	122.6	183.8
98	63.2	50.3	75.5

Manual Integrations
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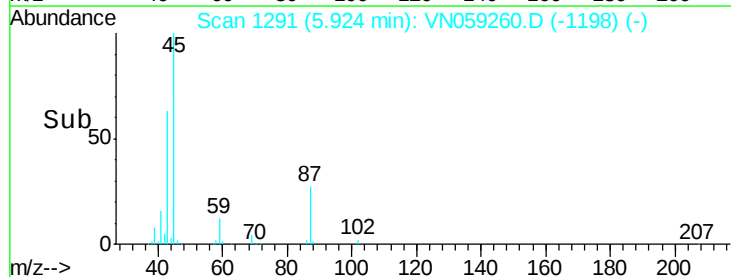
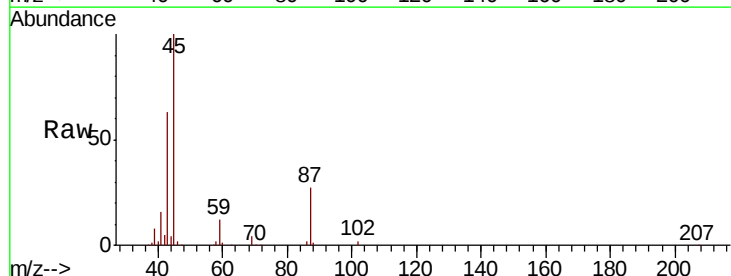
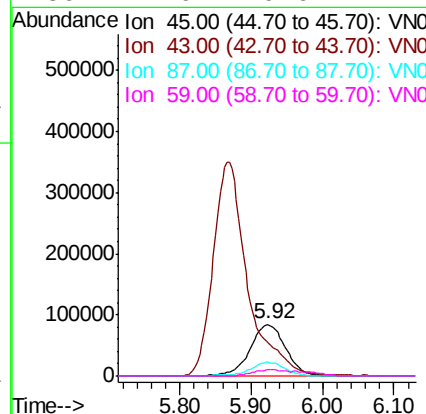
MMDadoda
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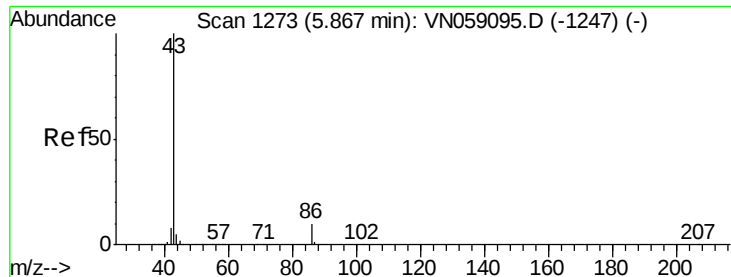


#22

Diisopropyl ether
Concen: 21.003 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	46.7	70.1
87	26.6	20.5	30.7
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 109.071 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 43 Resp: 1170318

Ion Ratio Lower Upper

43 100

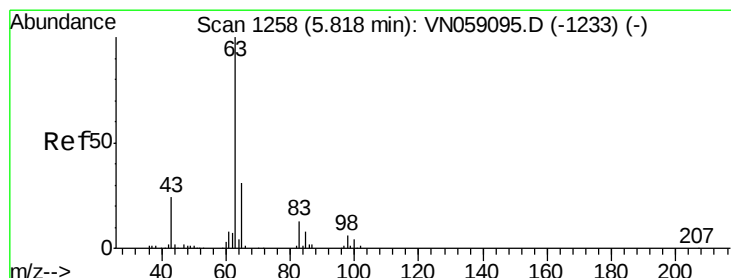
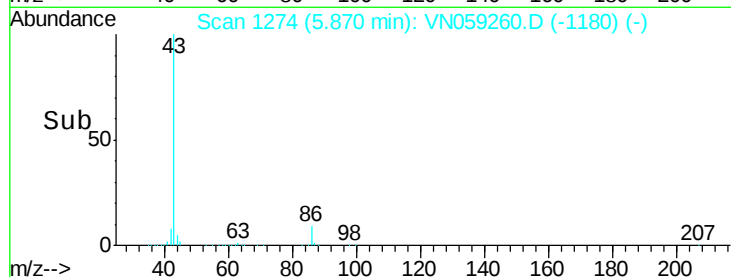
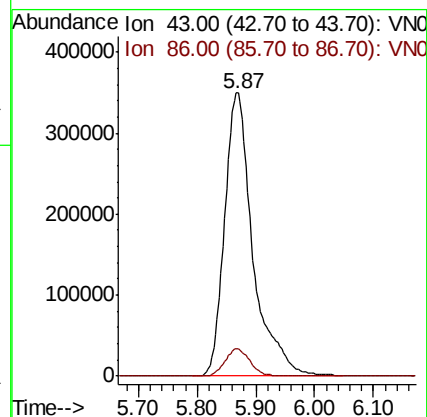
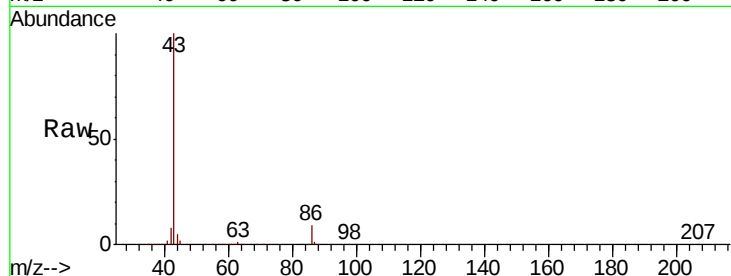
86 9.5 7.7 11.5

Manual Integrations

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MMDadoda

11/18/2019 3:09:46 PM



#24

1,1-Dichloroethane

Concen: 20.489 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

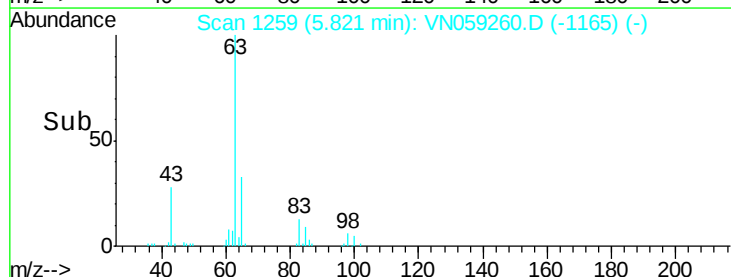
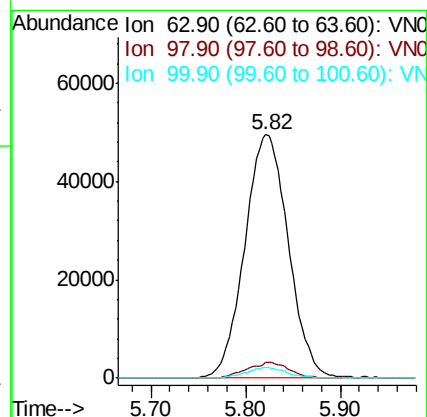
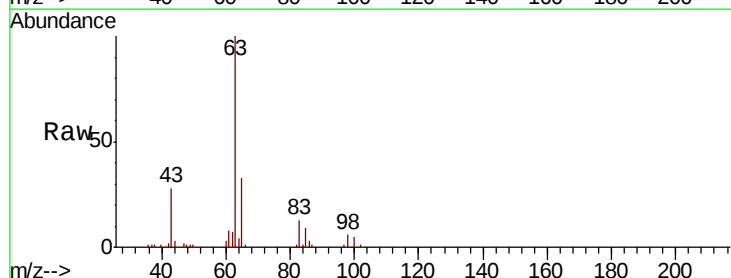
Tgt Ion: 63 Resp: 158432

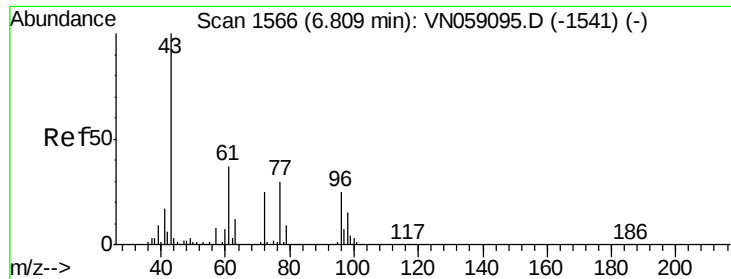
Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 4.5 1.9 5.7





#25

2-Butanone

Concen: 96.701 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 43 Resp: 311630

Ion Ratio Lower Upper

43 100

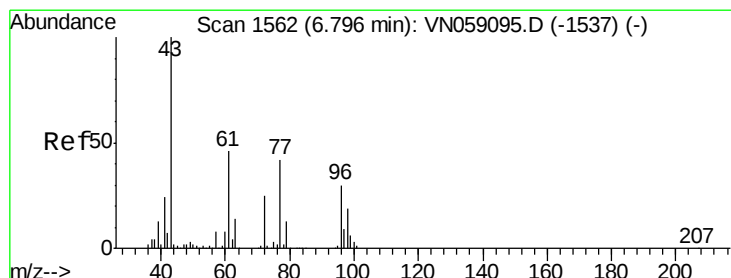
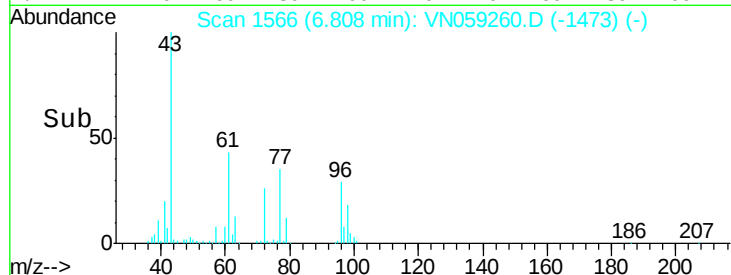
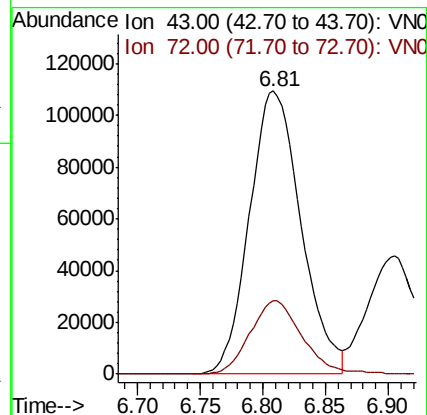
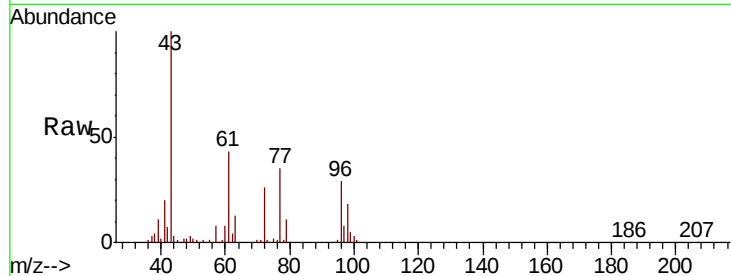
72 26.1 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 19.787 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059260.D

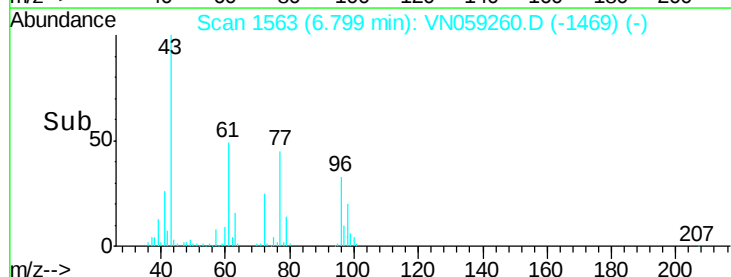
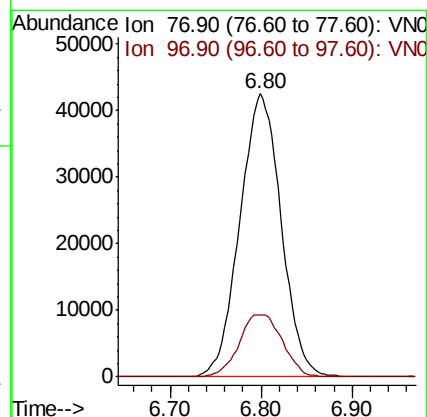
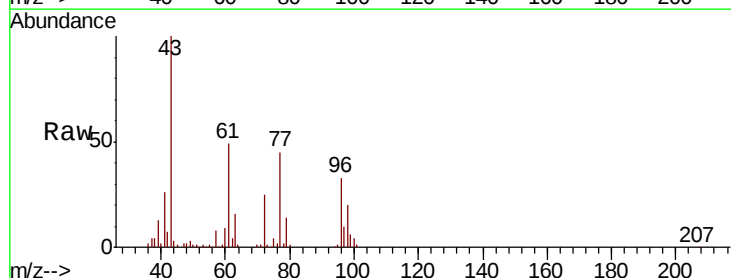
Acq: 15 Nov 2019 13:08

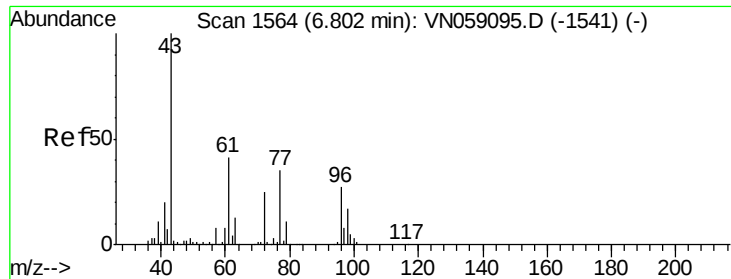
Tgt Ion: 77 Resp: 133793

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.794 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

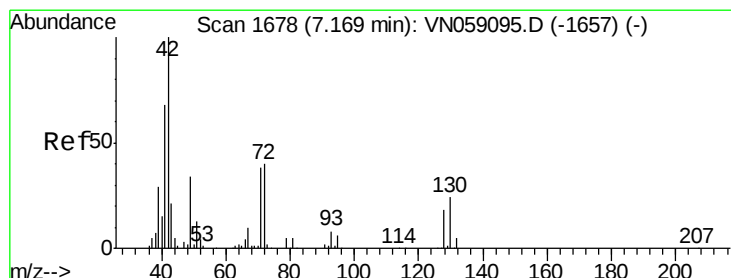
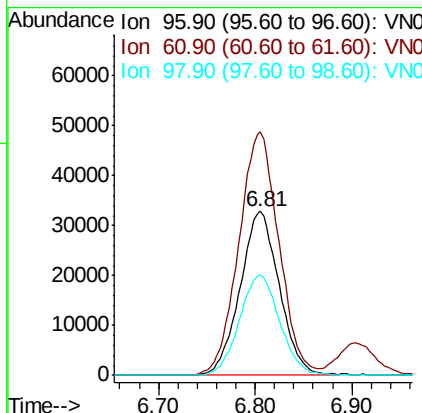
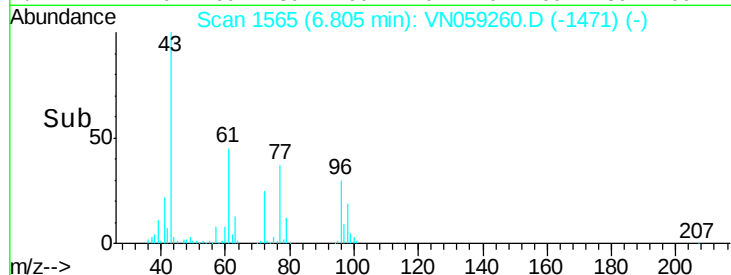
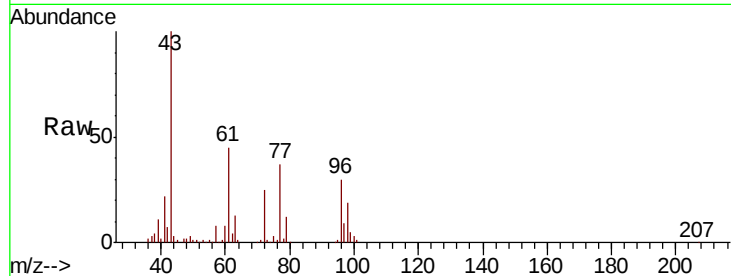
ClientSampleId :

VN1115MBS01

Tot Ion:	96	Resp:	92402
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	311.6
98	62.8	0.0	129.8

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#28

Bromochloromethane

Concen: 19.592 ug/l

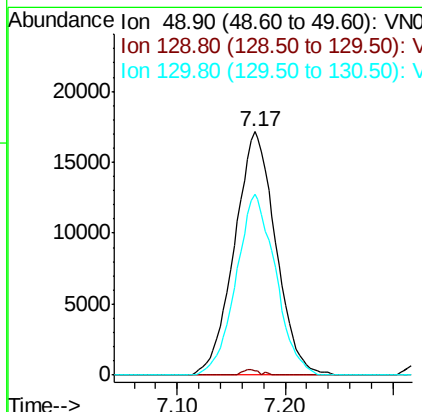
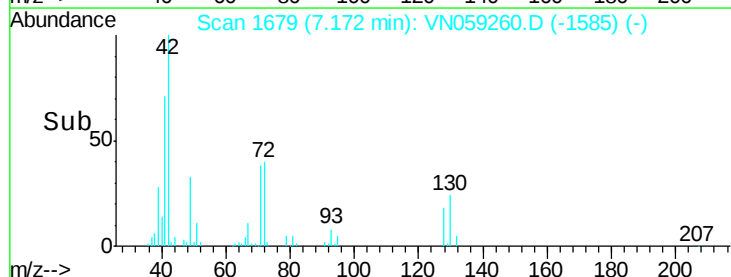
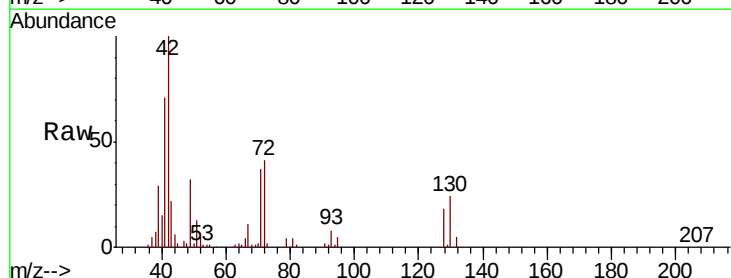
RT: 7.17 min Scan# 1679

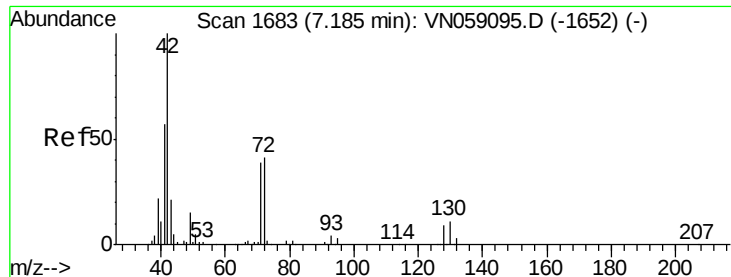
Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	49	Resp:	45578
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.2	55.6	83.4





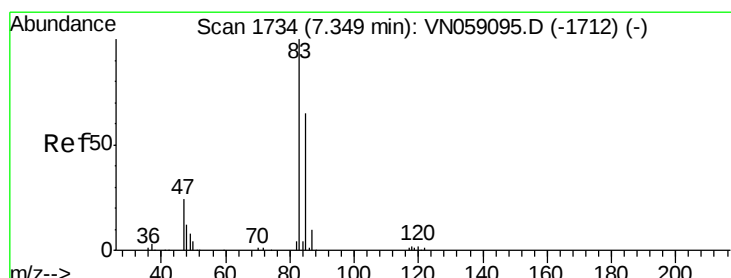
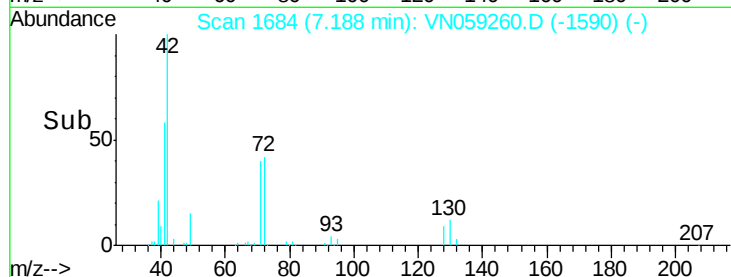
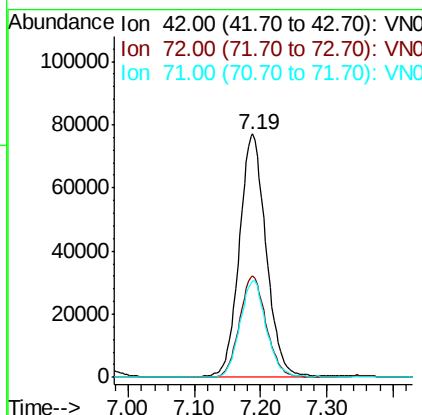
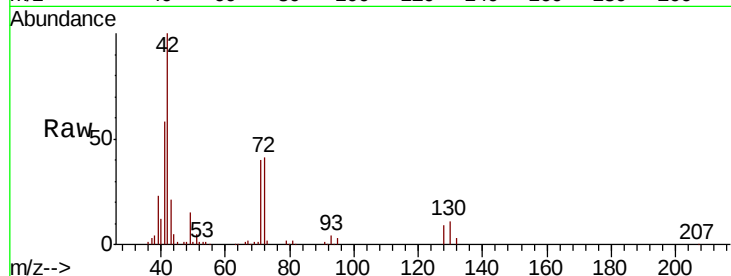
#29
Tetrahydrofuran
Concen: 106.239 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.1	49.7
71	38.7	30.9	46.3

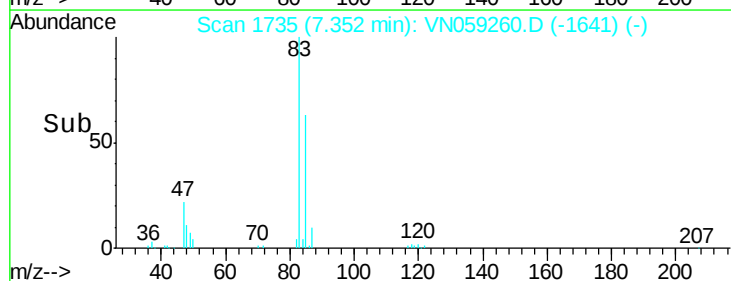
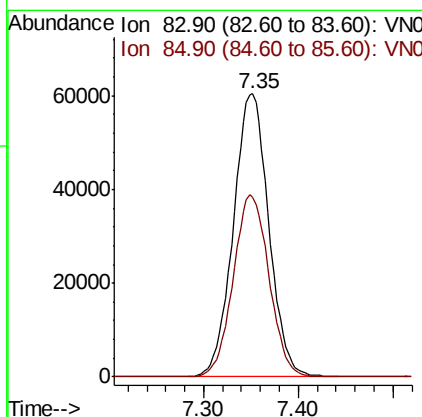
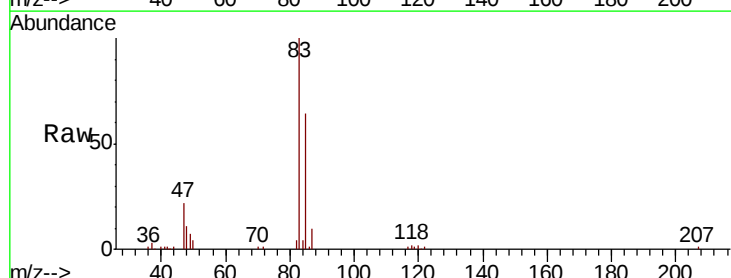
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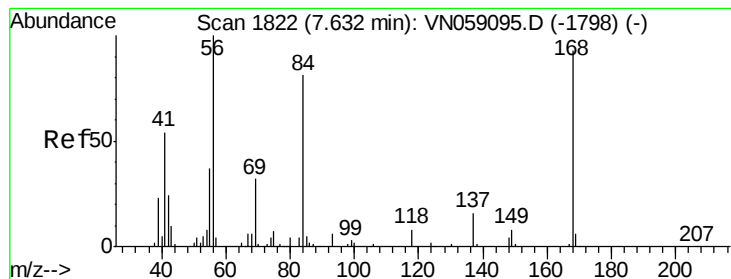
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#30
Chloroform
Concen: 21.171 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.8





#31

Cyclohexane

Concen: 18.380 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

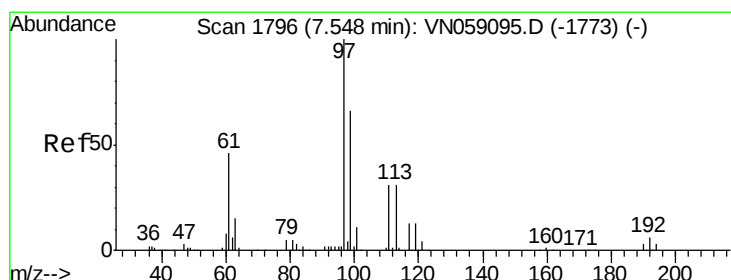
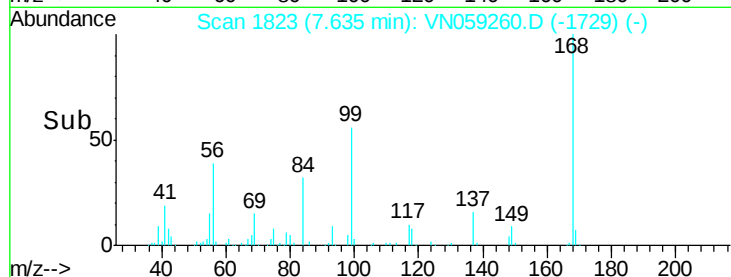
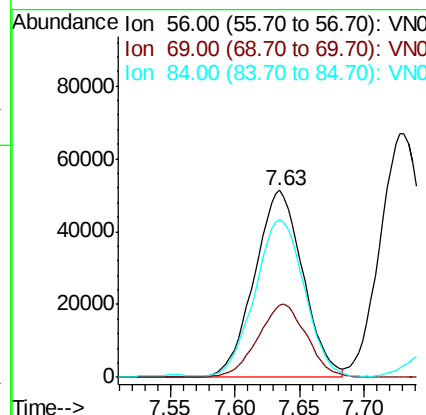
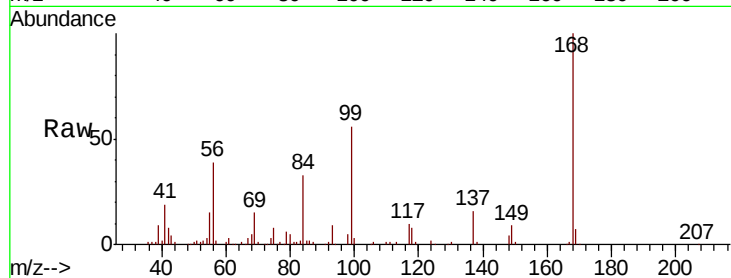
ClientSampleId :

VN1115MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	38.6	25.8	38.8	
84	83.6	65.0	97.4	

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#32

1,1,1-Trichloroethane

Concen: 20.774 ug/l

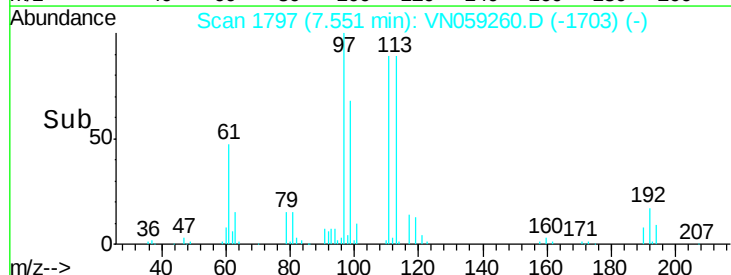
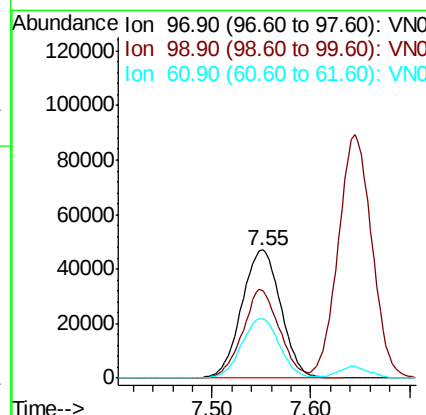
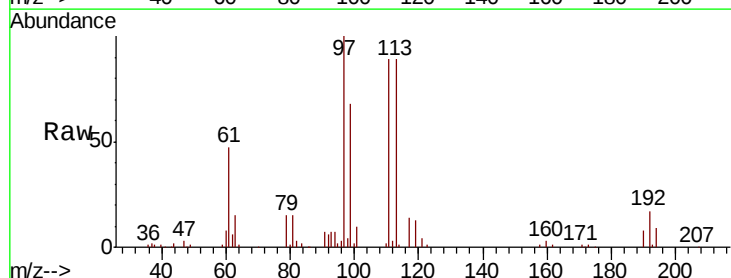
RT: 7.55 min Scan# 1797

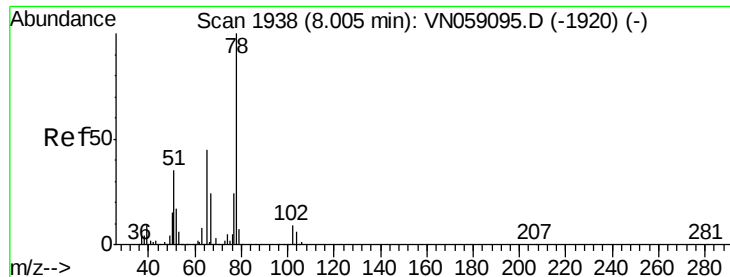
Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.5	51.0	76.6	
61	45.0	35.8	53.8	





#33

1,2-Dichloroethane-d4

Concen: 50.038 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 65 Resp: 235282

Ion Ratio Lower Upper

65 100

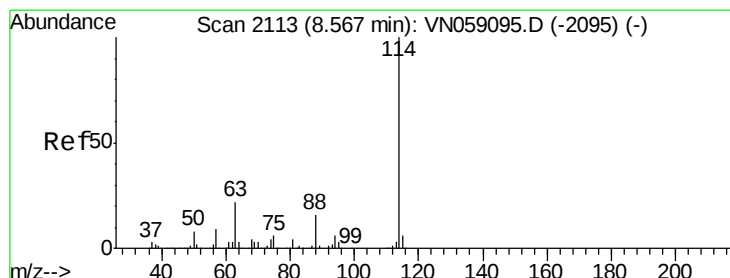
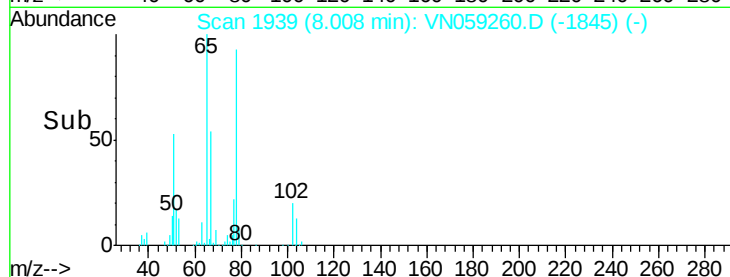
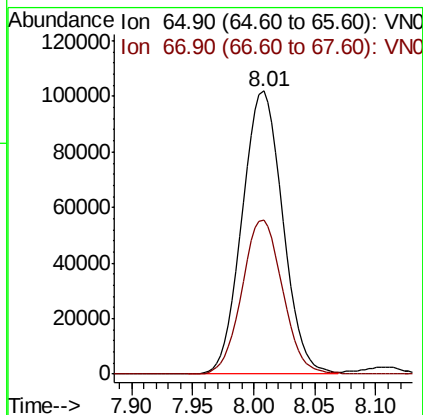
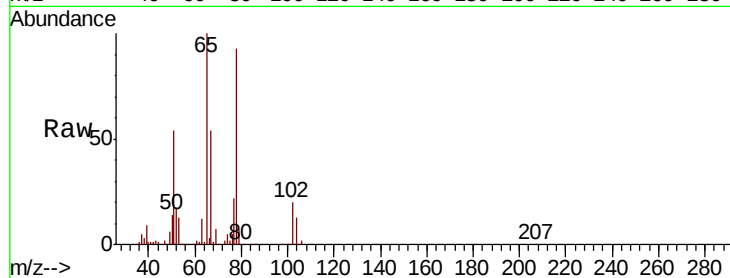
67 54.3 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

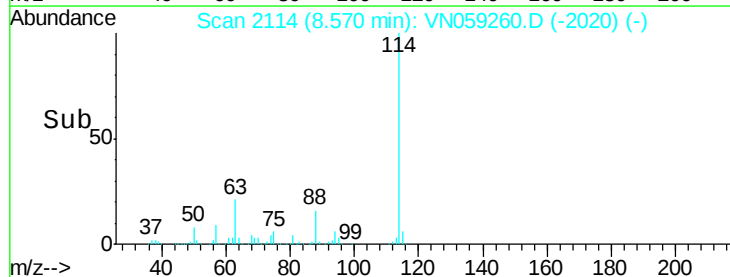
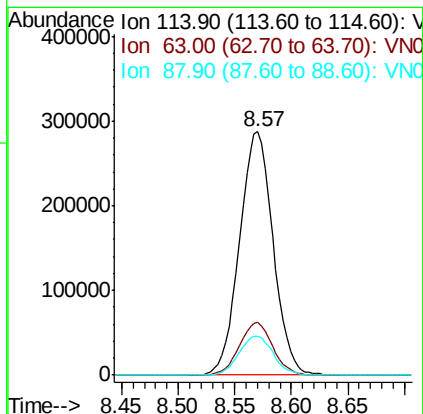
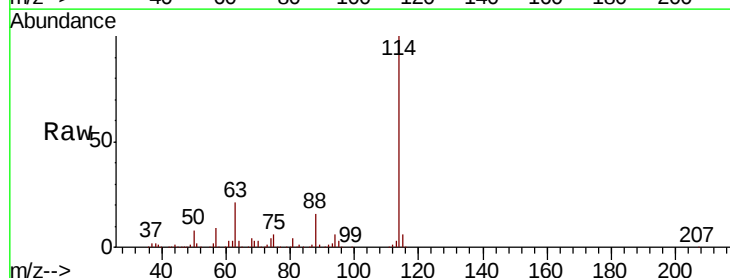
Tgt Ion: 114 Resp: 593437

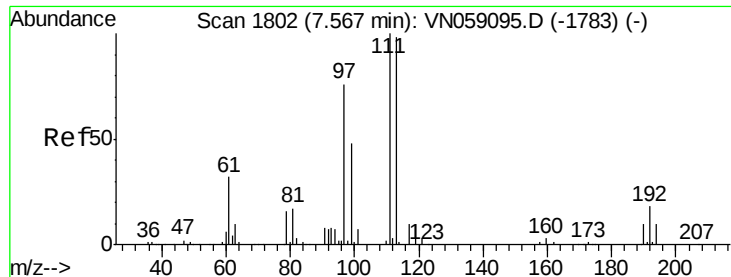
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.2 0.0 32.2





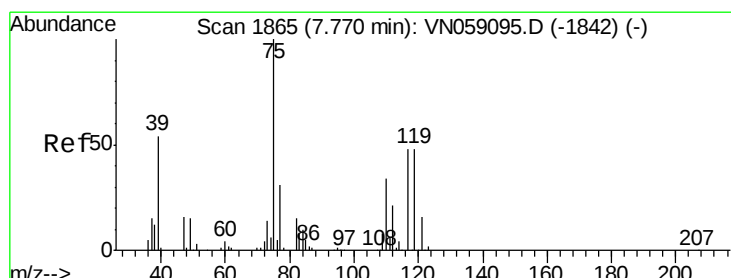
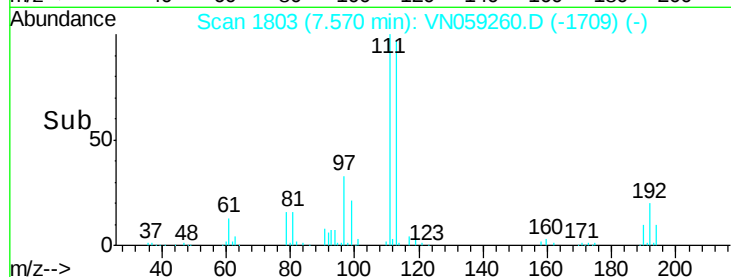
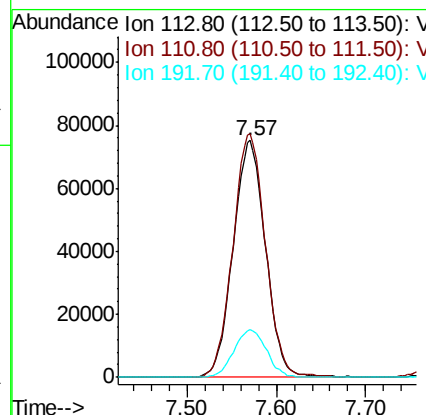
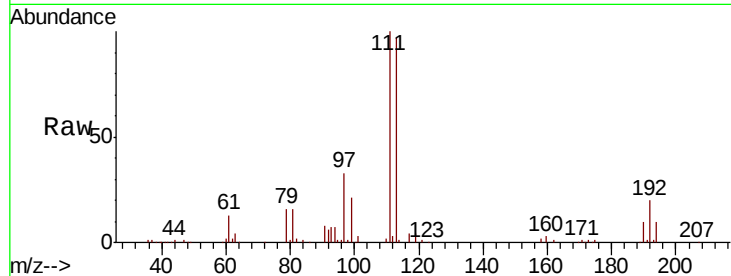
#35
Dibromofluoromethane
Concen: 53.342 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189012		
111	103.2	82.8	124.2	
192	20.4	16.1	24.1	

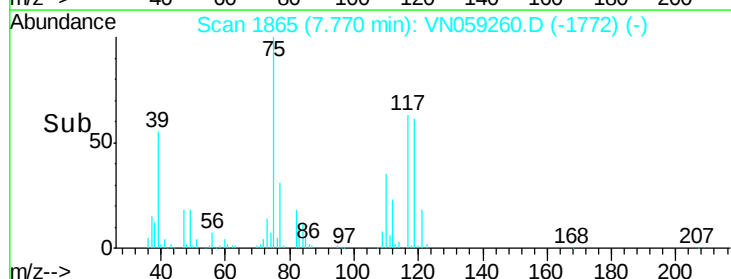
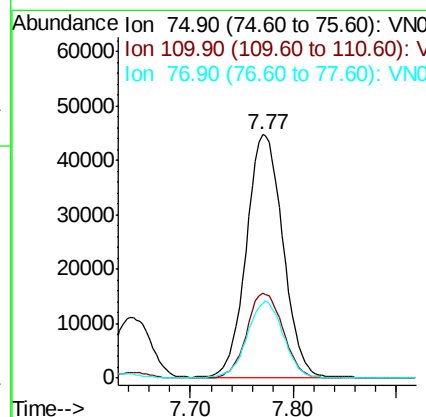
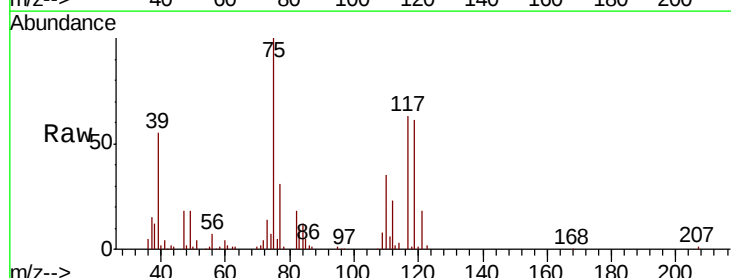
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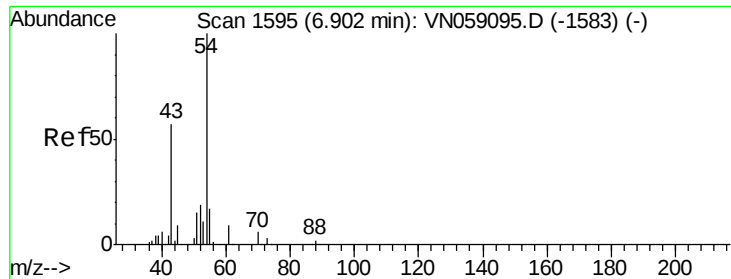
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#36
1,1-Dichloropropene
Concen: 19.786 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109751		
110	34.8	17.1	51.2	
77	31.4	24.8	37.2	





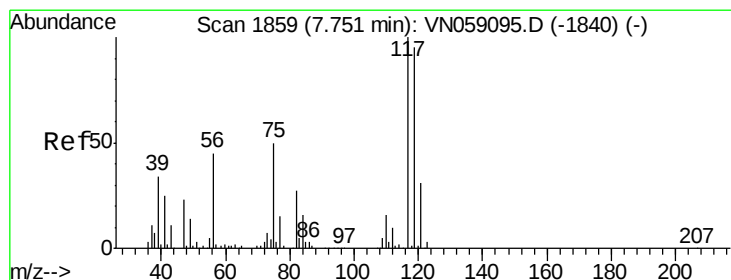
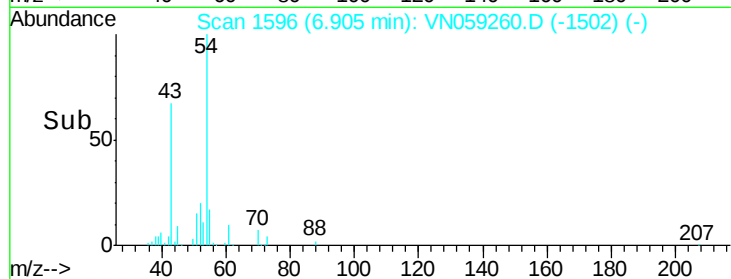
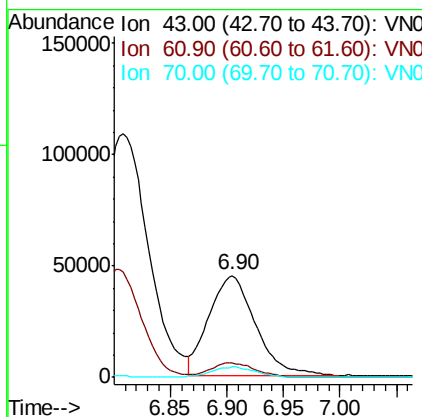
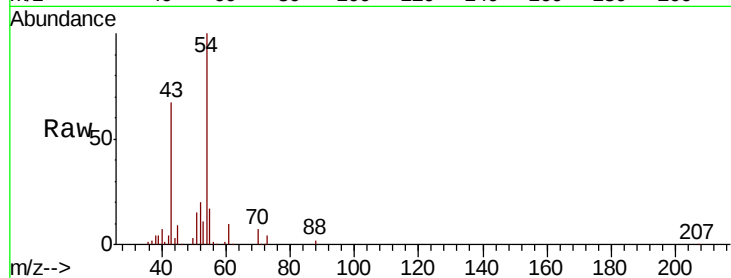
#37
Ethyl Acetate
Concen: 20.991 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.2	16.8
70	9.9	7.8	11.8

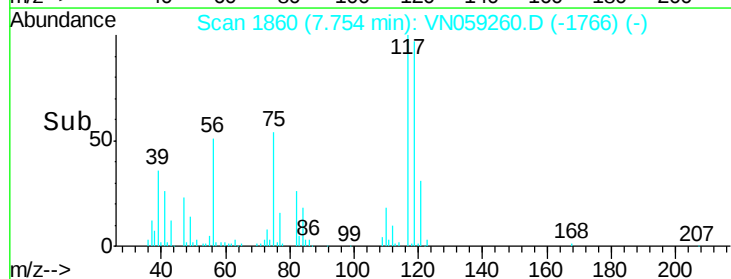
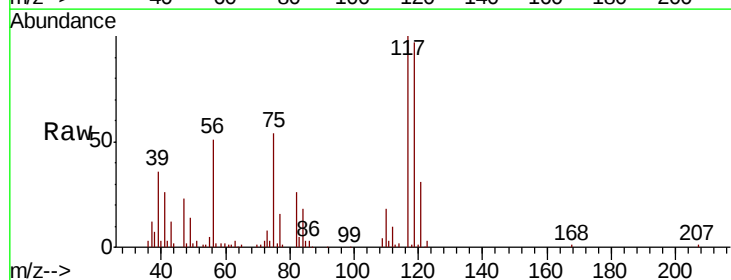
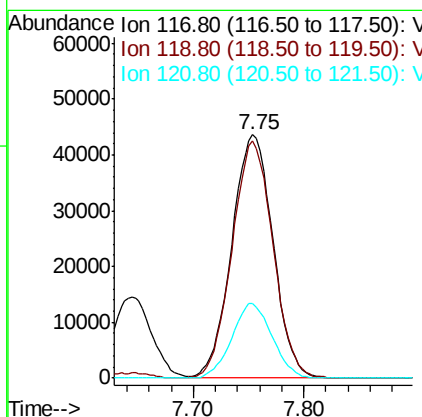
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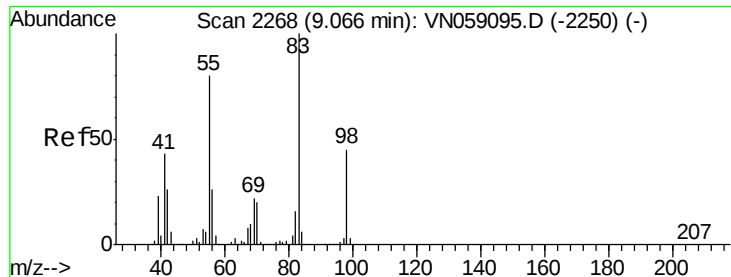
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#38
Carbon Tetrachloride
Concen: 20.486 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.6	113.4
121	30.8	24.6	36.8





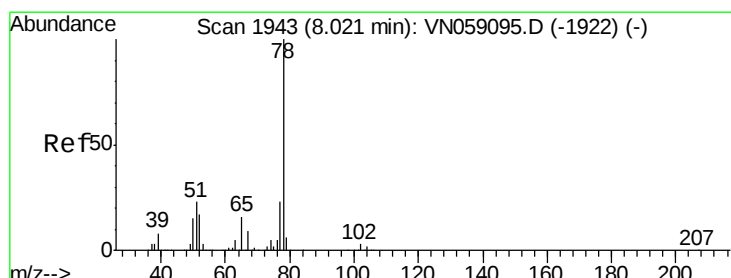
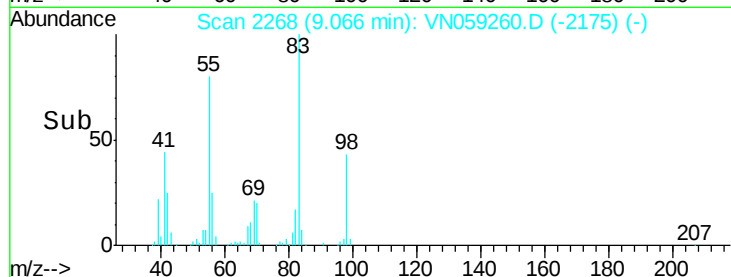
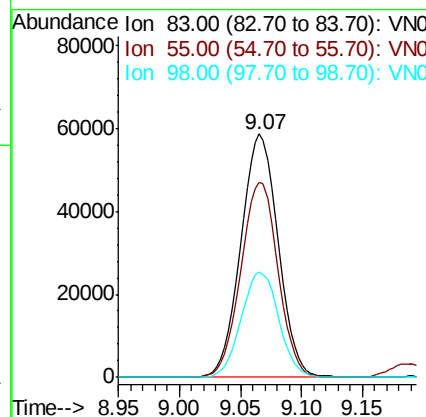
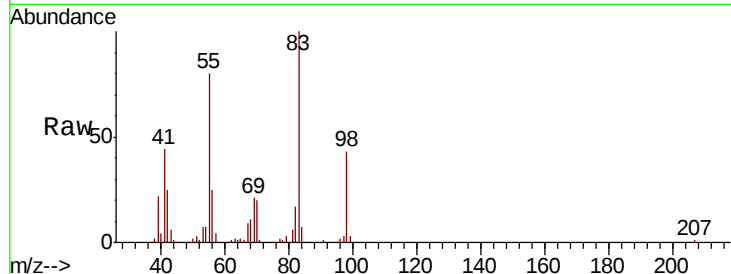
#39
Methvlcvclohexane
Concen: 19.241 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.1	63.9	95.9	
98	43.4	35.6	53.4	

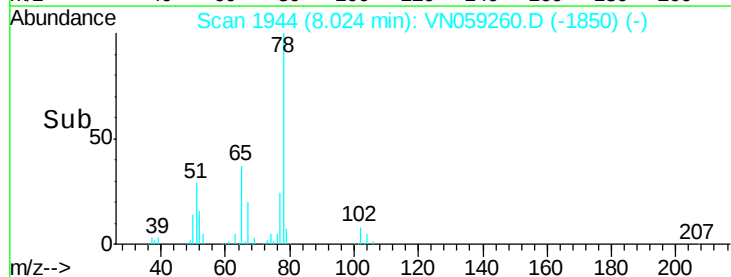
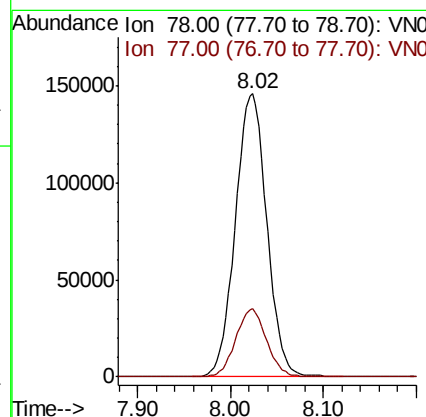
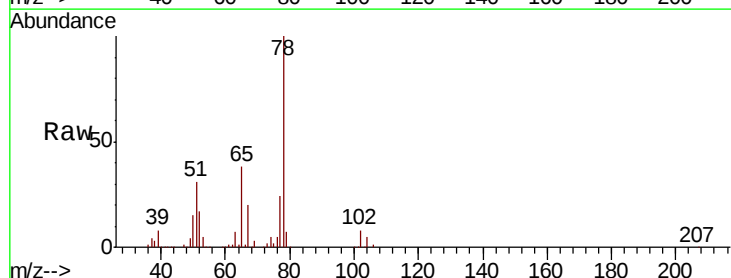
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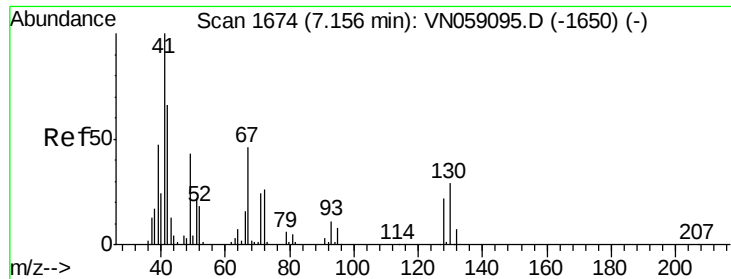
MMDadoda
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#40
Benzene
Concen: 20.534 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	18.8	28.2	





#41

Methacrylonitrile

Concen: 21.467 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 41 Resp: 57602

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

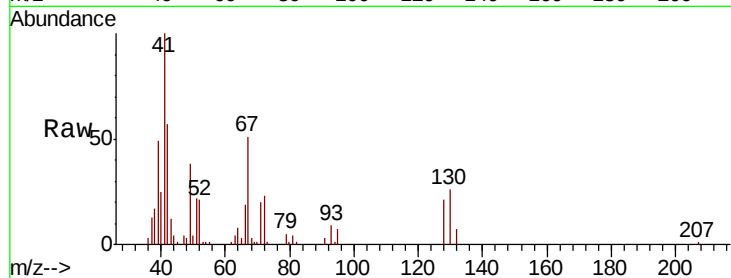
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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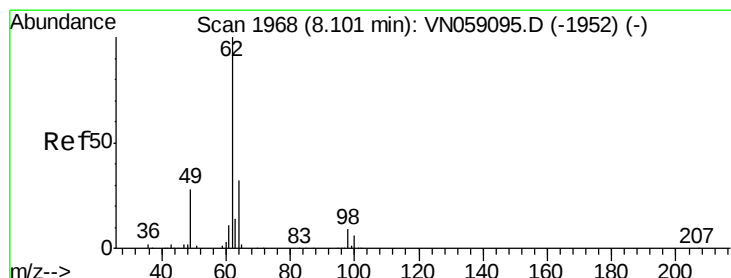
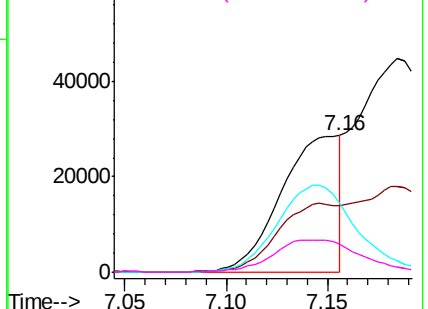
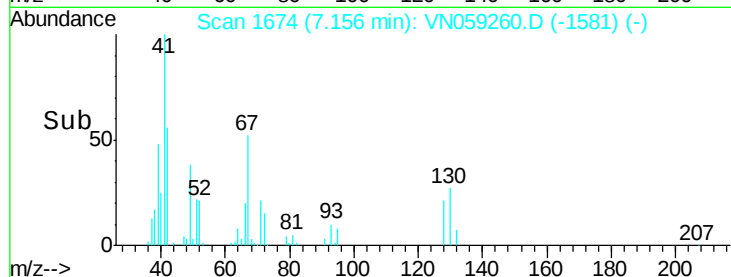


Abundance Ion 41.00 (40.70 to 41.70): VN059260.D (-1581) (-)

Ion 39.00 (38.70 to 39.70): VN059260.D (-1581) (-)

Ion 67.00 (66.70 to 67.70): VN059260.D (-1581) (-)

Ion 52.00 (51.70 to 52.70): VN059260.D (-1581) (-)



#42

1,2-Dichloroethane

Concen: 20.443 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059260.D

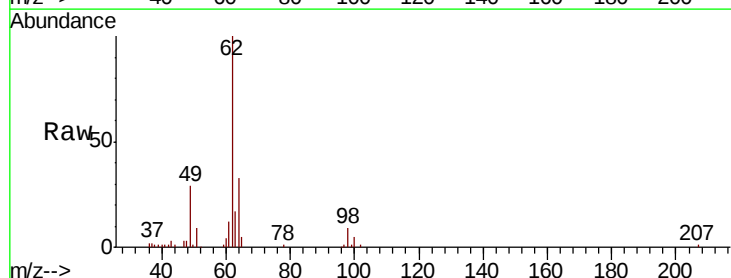
Acq: 15 Nov 2019 13:08

Tgt Ion: 62 Resp: 117116

Ion Ratio Lower Upper

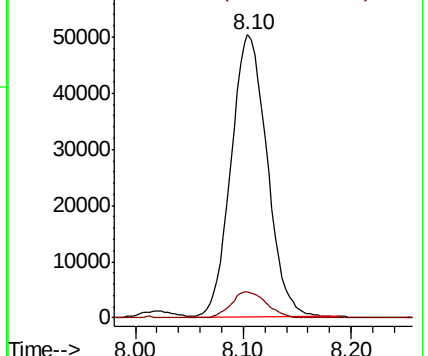
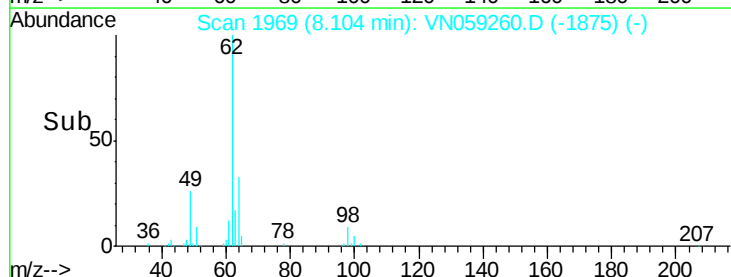
62 100

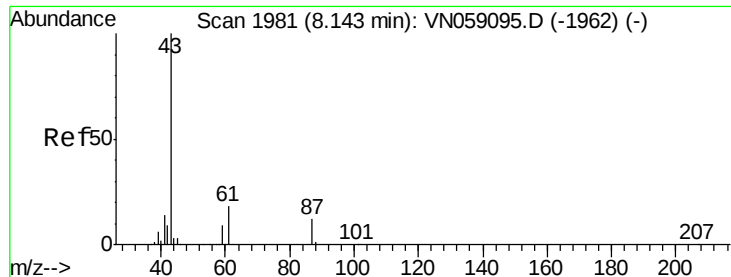
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059260.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059260.D (-1875) (-)





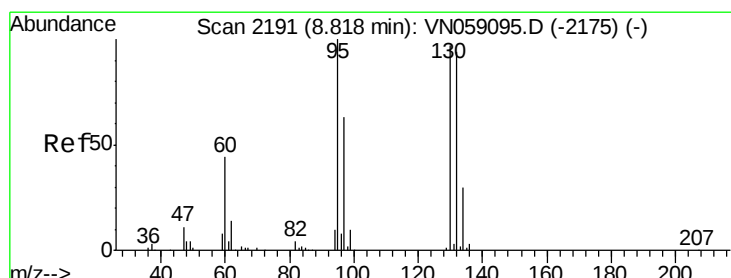
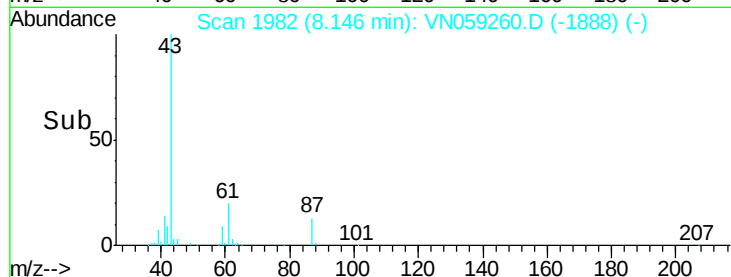
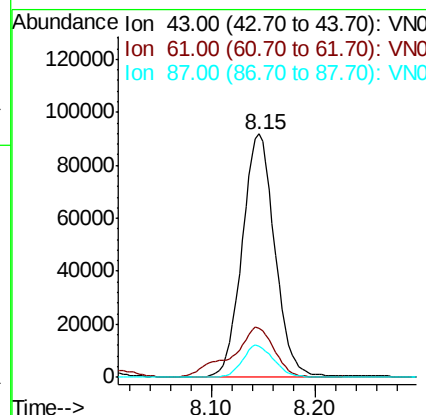
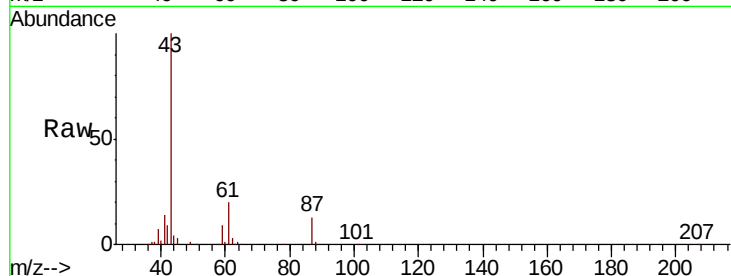
#43
Isopropyl Acetate
Concen: 20.570 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.0	31.6
87	12.8	9.8	14.6

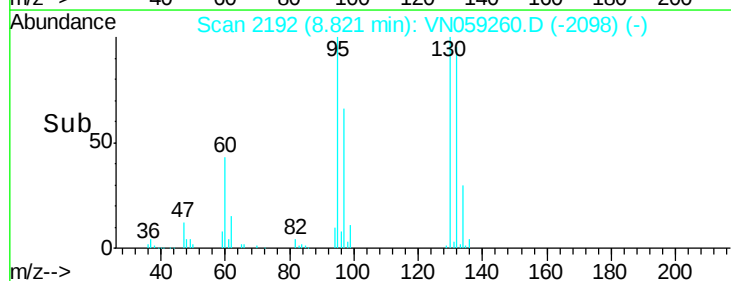
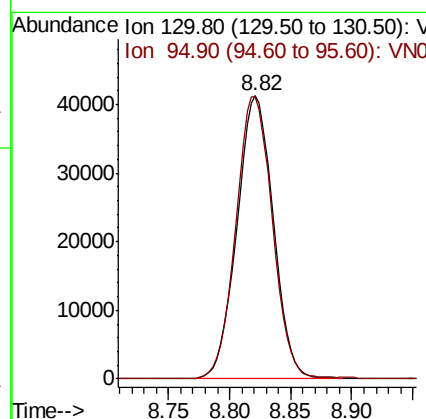
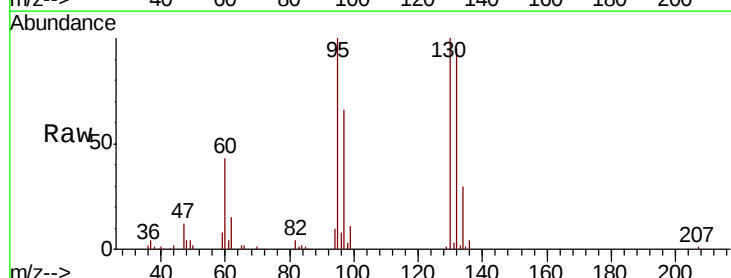
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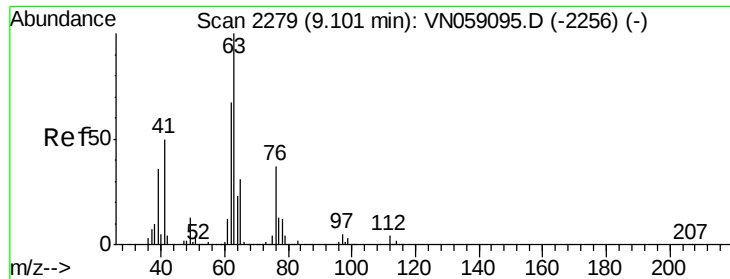
MMDadoda
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#44
Trichloroethene
Concen: 20.723 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	206.4





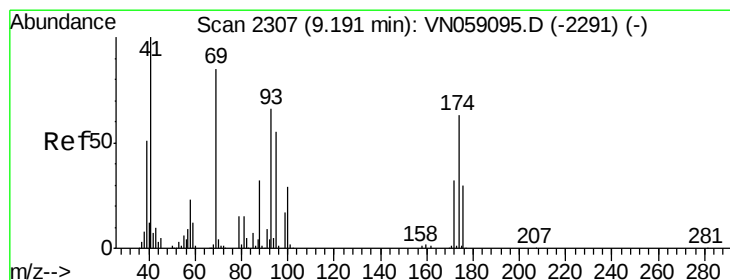
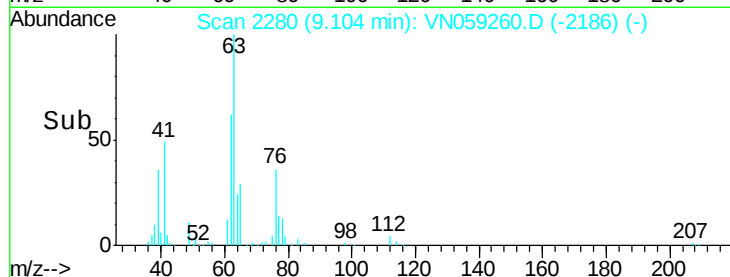
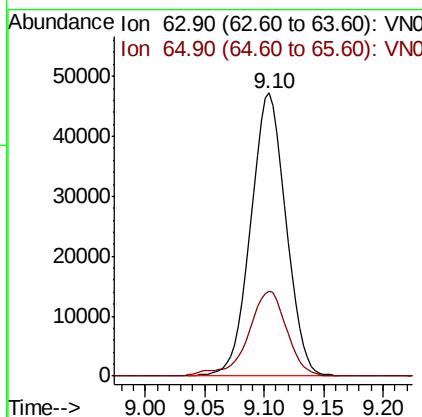
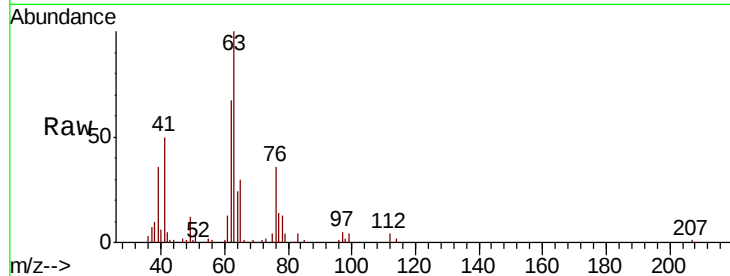
#45
 1,2-Dichloropropane
 Concen: 21.381 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBS01

Tot Ion: 63 Resp: 97007
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

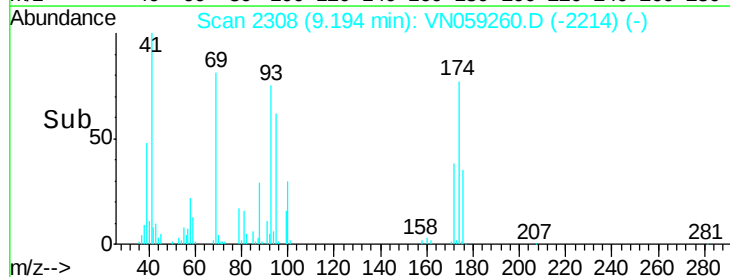
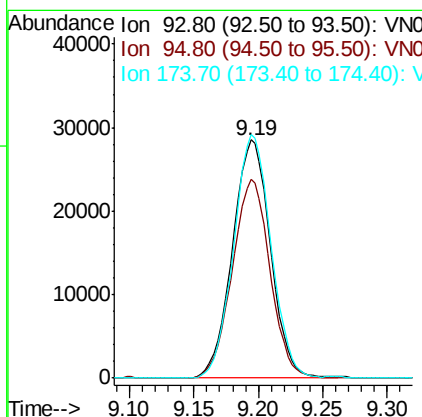
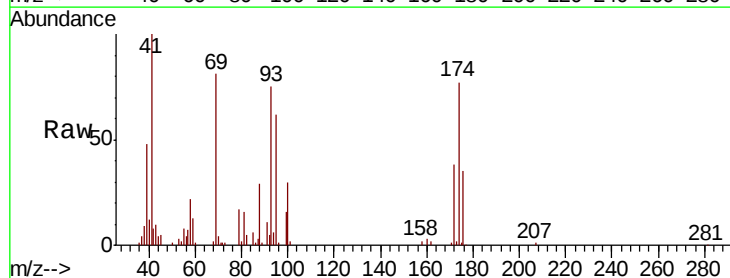
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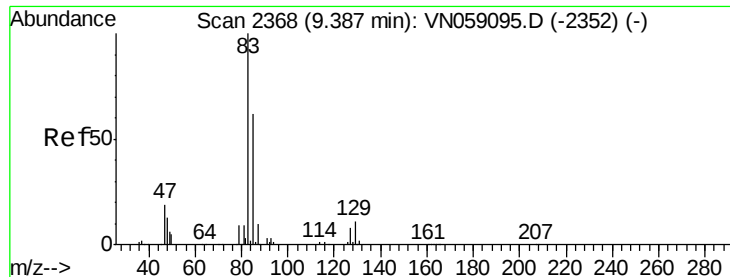
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#46
 Dibromomethane
 Concen: 20.680 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Tgt Ion: 93 Resp: 58468
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 100.6 78.2 117.2





#47

Bromodichloromethane

Concen: 21.145 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

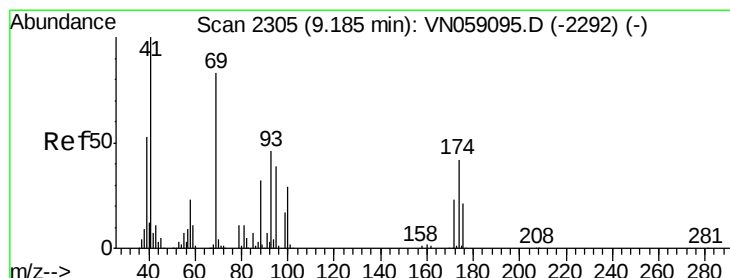
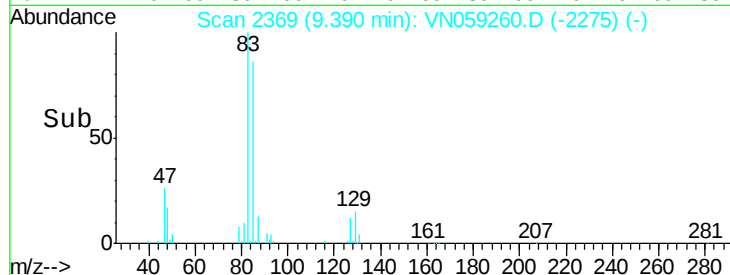
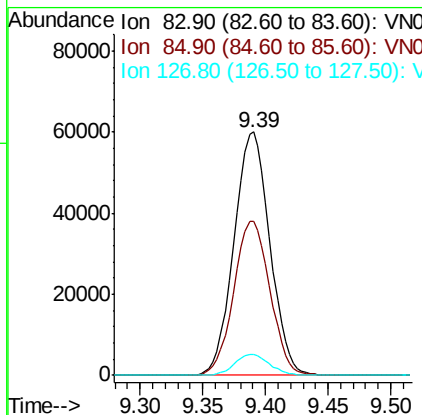
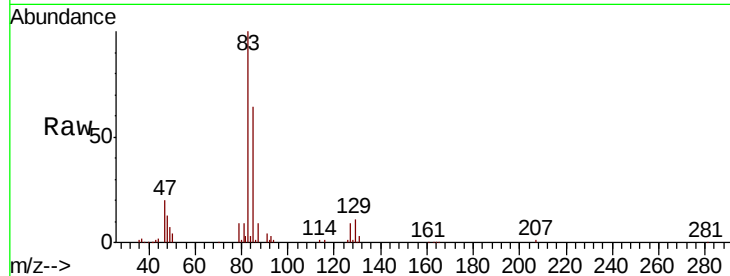
ClientSampleId :

VN1115MBS01

Tot Ion:	83	Resp:	119373
Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.7	74.5
127	8.8	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.060 ug/l

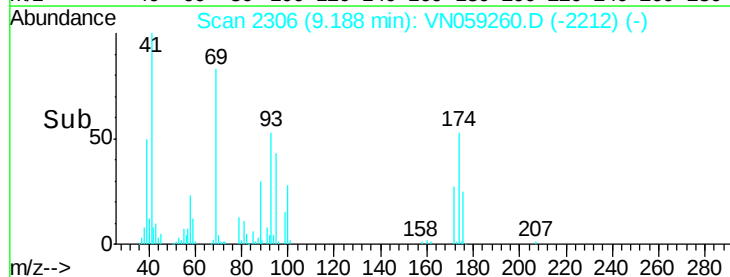
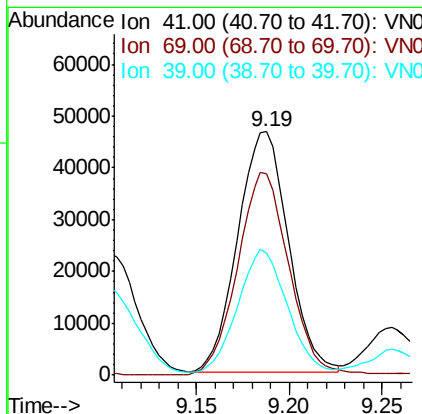
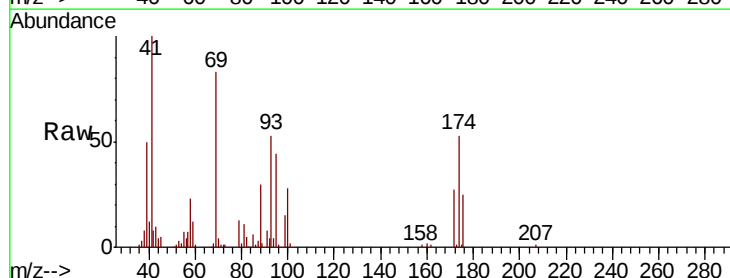
RT: 9.19 min Scan# 2306

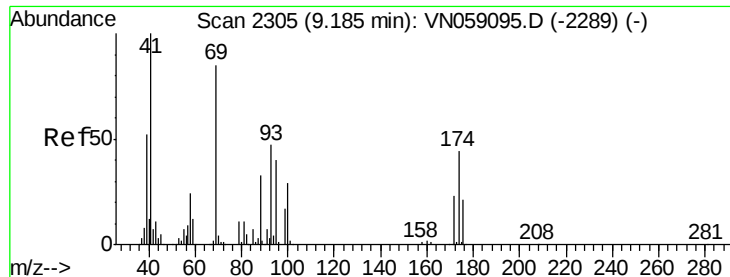
Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	41	Resp:	88274
Ion	Ratio	Lower	Upper
41	100		
69	85.2	67.3	100.9
39	52.0	43.3	64.9





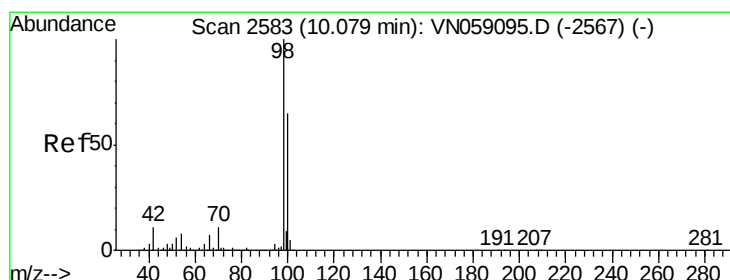
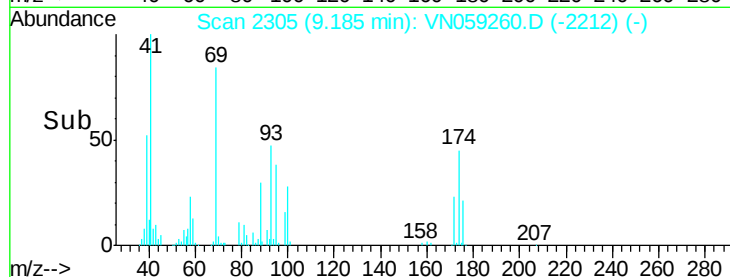
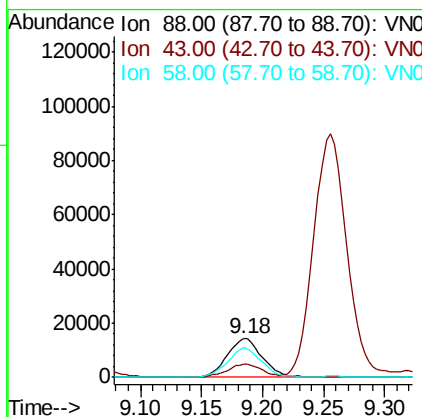
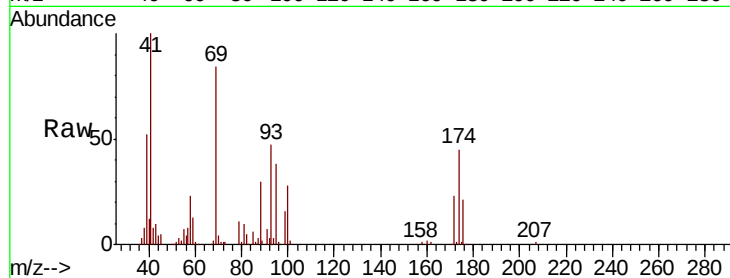
#49
1,4-Dioxane
Concen: 372.294 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.3	39.5
58	73.7	60.6	90.8

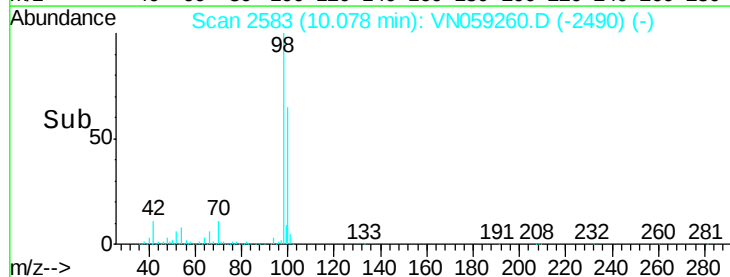
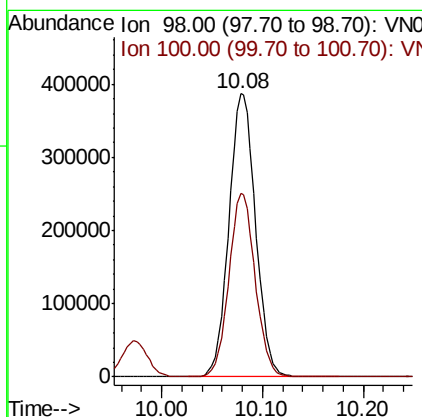
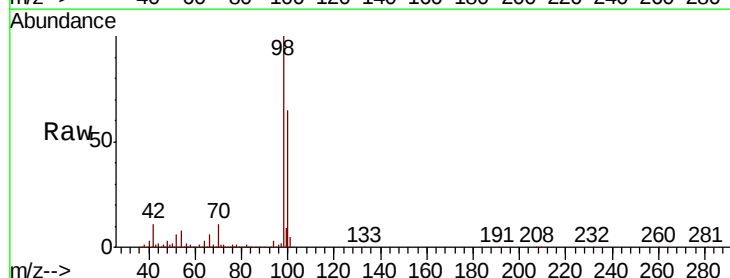
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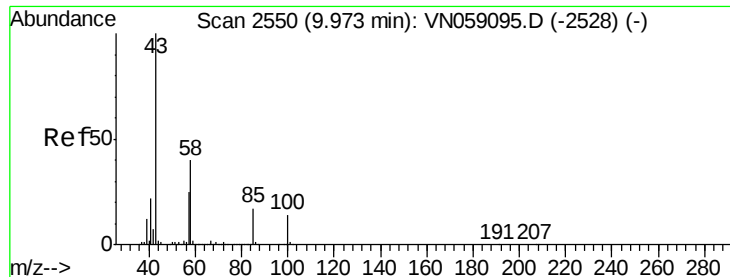
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#50
Toluene-d8
Concen: 50.978 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 114.911 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 43 Resp: 639646

Ion Ratio Lower Upper

43 100

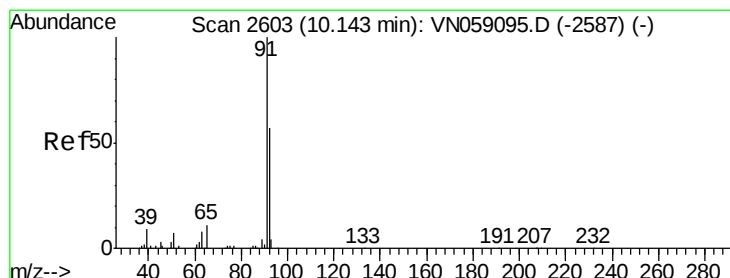
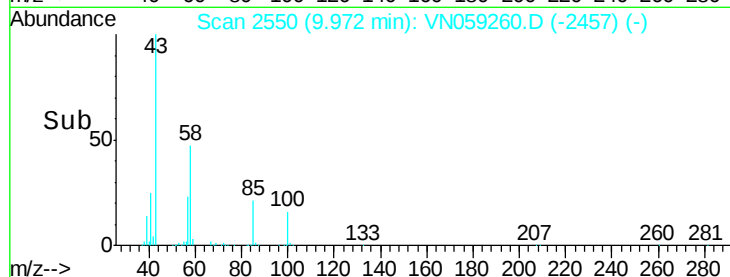
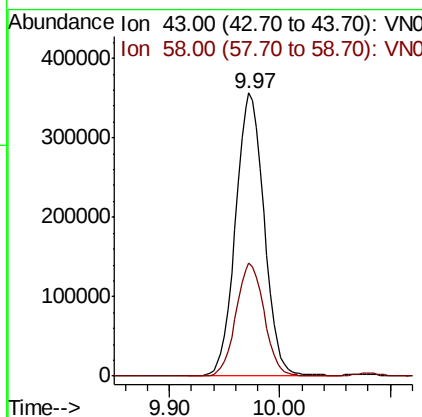
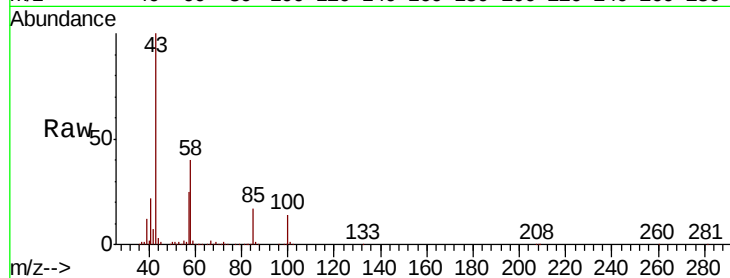
58 39.4 31.5 47.3

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#52

Toluene

Concen: 20.561 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059260.D

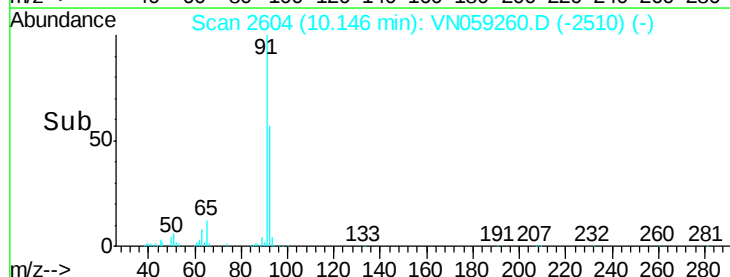
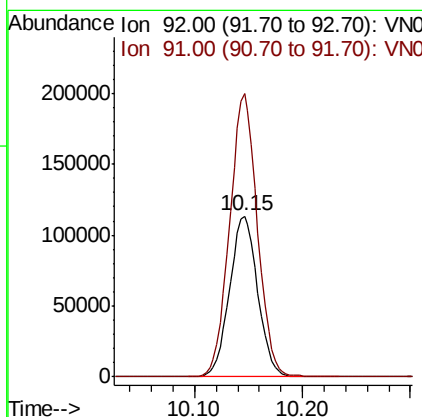
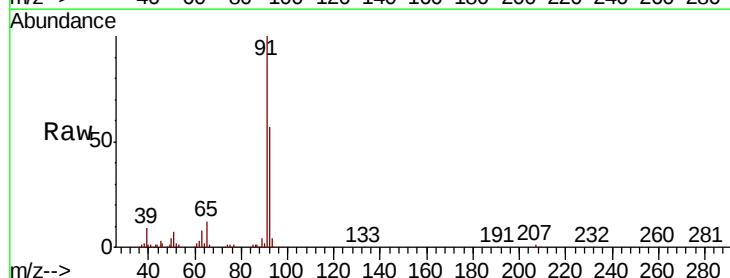
Acq: 15 Nov 2019 13:08

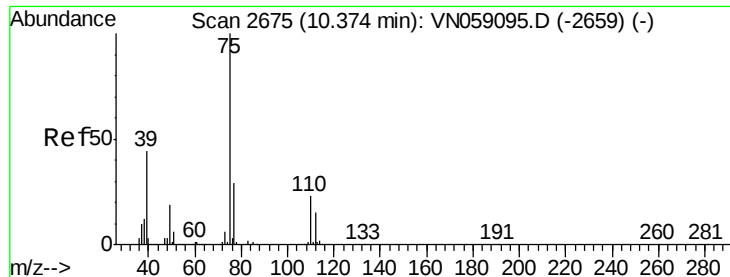
Tgt Ion: 92 Resp: 205853

Ion Ratio Lower Upper

92 100

91 174.0 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 20.261 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 75 Resp: 132151

Ion Ratio Lower Upper

75 100

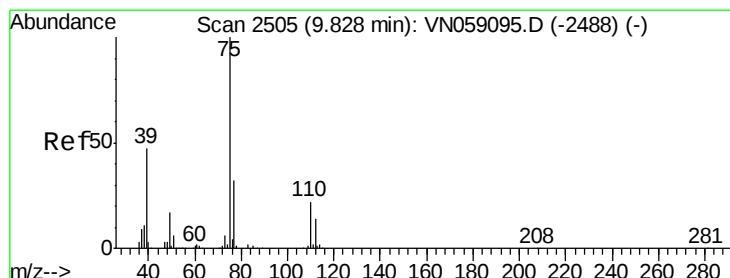
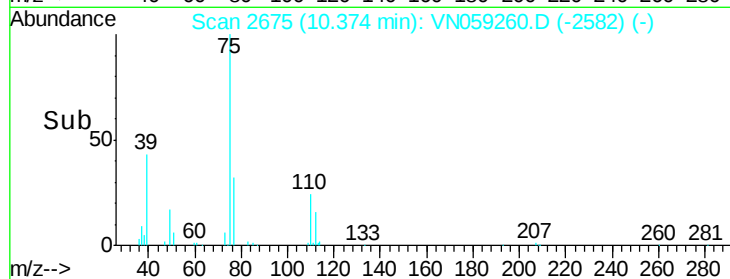
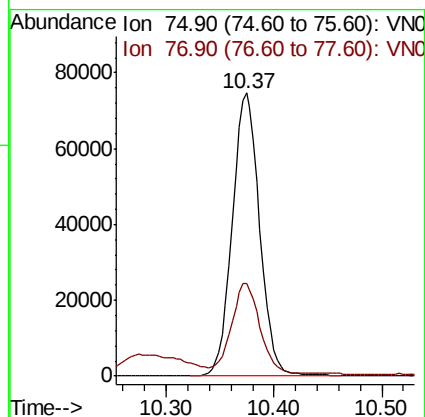
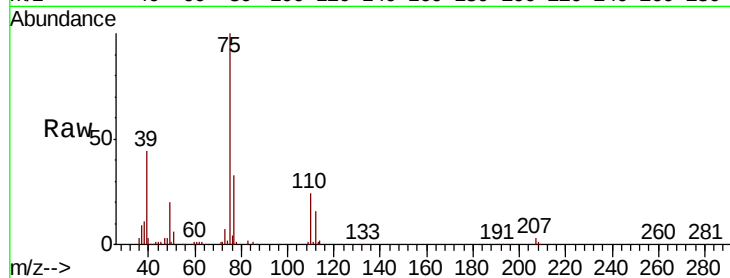
77 31.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 20.522 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

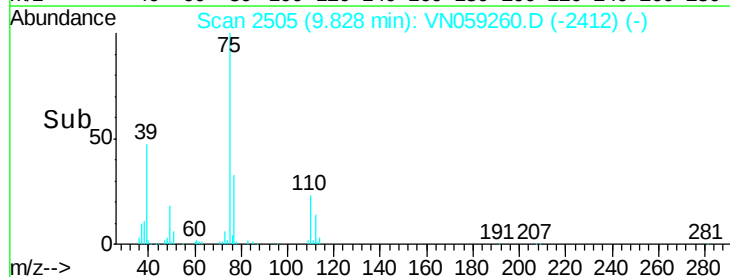
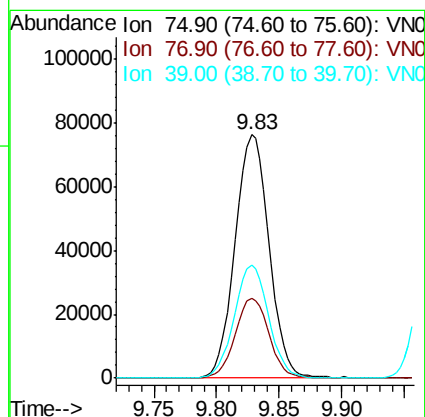
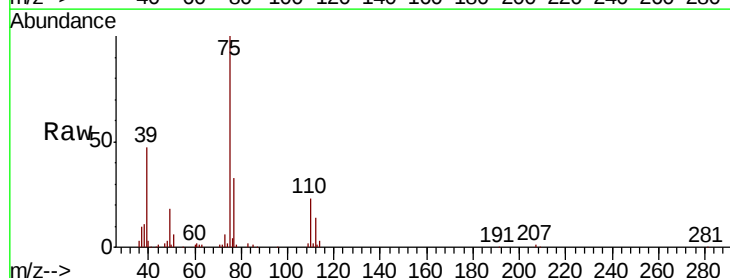
Tgt Ion: 75 Resp: 143980

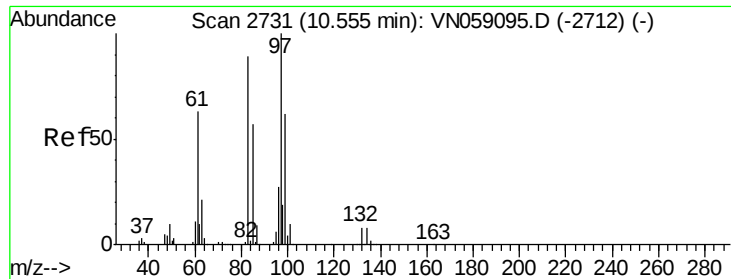
Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3

39 46.3 37.3 55.9





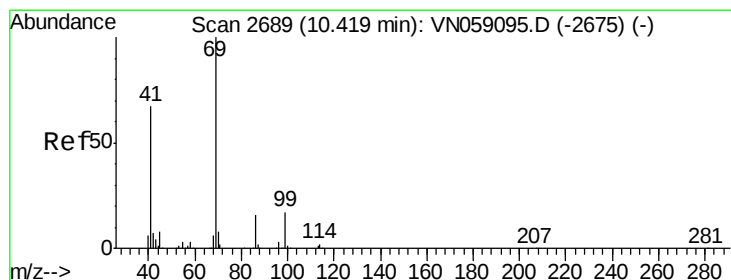
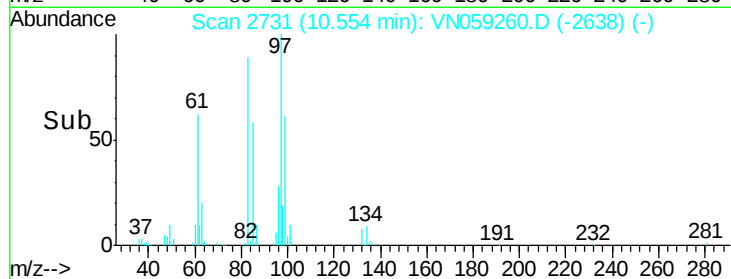
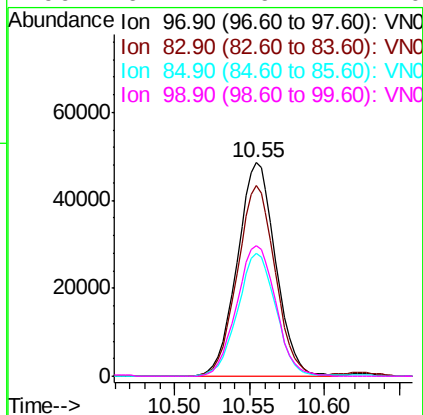
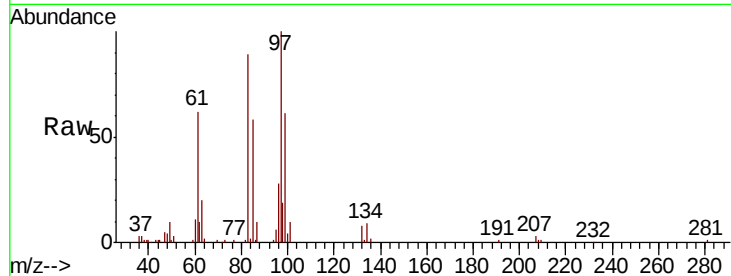
#55
 1,1,2-Trichloroethane
 Concen: 21.413 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBS01

Tot Ion:	97	Resp:	86761
Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.0	106.4
85	57.7	45.8	68.8
99	61.2	49.4	74.0

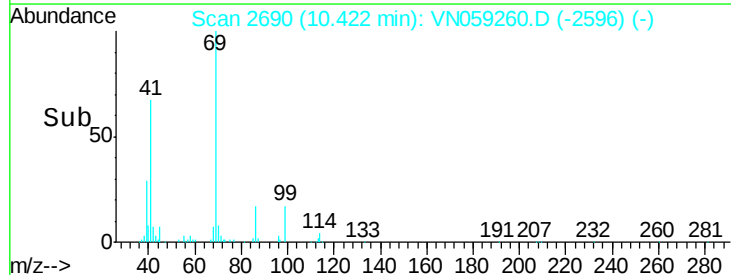
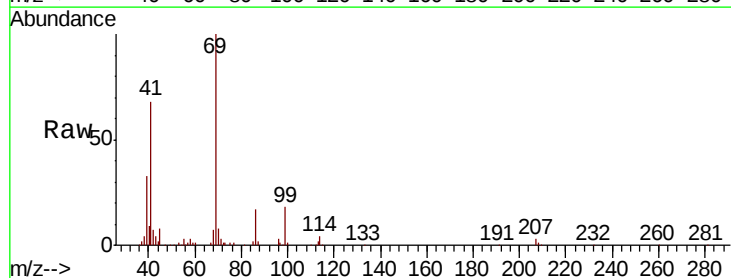
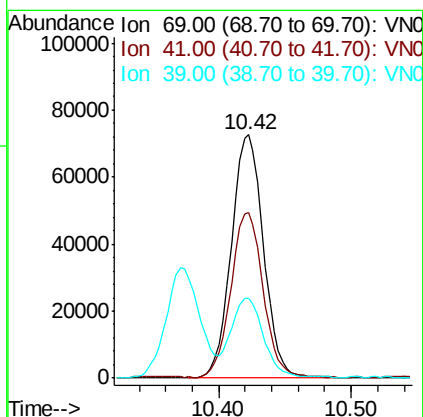
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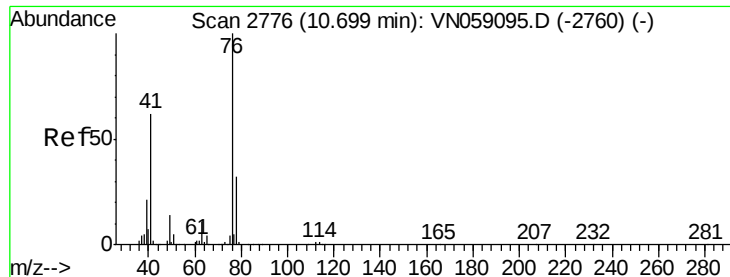
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#56
 Ethyl methacrylate
 Concen: 19.332 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Tgt Ion:	69	Resp:	122579
Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.6	80.4
39	32.4	26.2	39.4





#57

1,3-Dichloropropane

Concen: 21.287 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 76 Resp: 148450

Ion Ratio Lower Upper

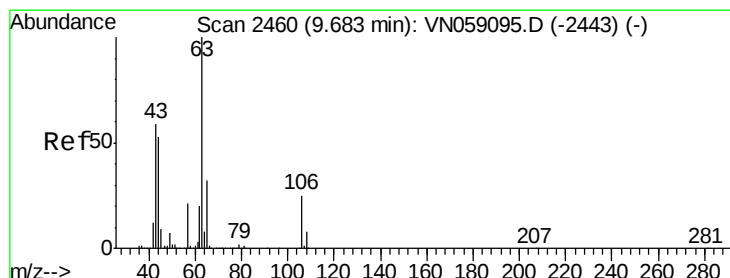
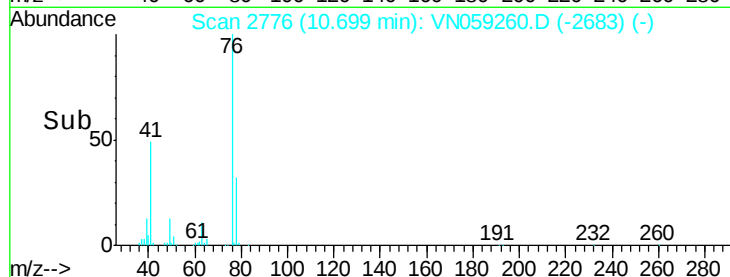
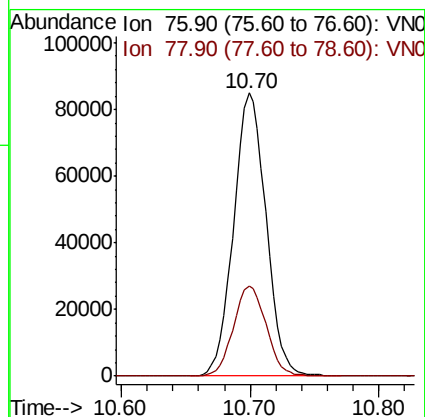
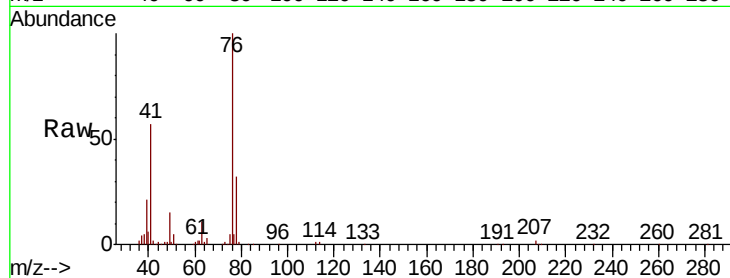
76 100

78 32.2 25.8 38.8

Manual Integrations
APPROVED

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#58

2-Chloroethyl Vinyl ether

Concen: 101.636 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059260.D

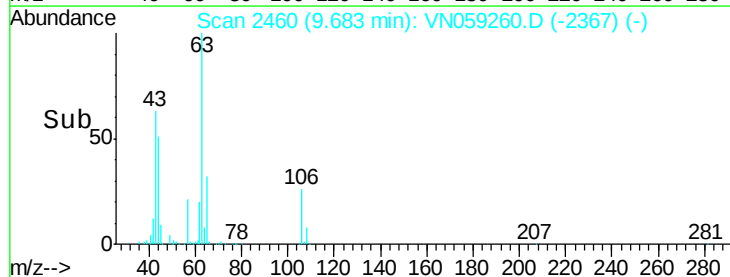
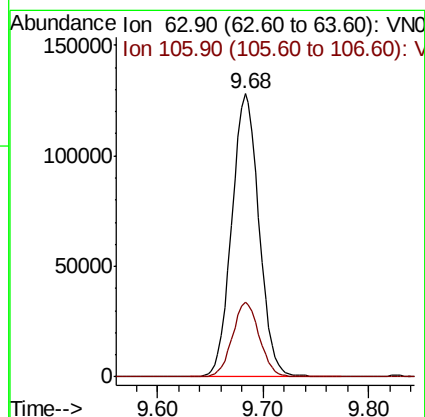
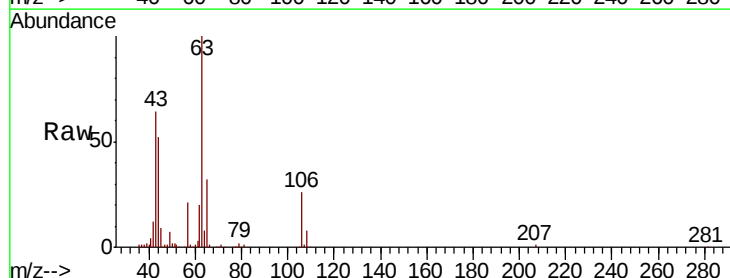
Acq: 15 Nov 2019 13:08

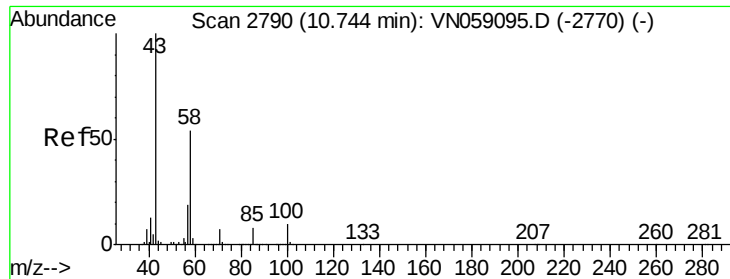
Tgt Ion: 63 Resp: 229184

Ion Ratio Lower Upper

63 100

106 26.0 20.2 30.2





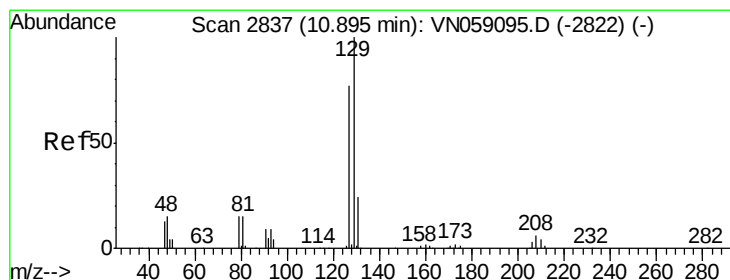
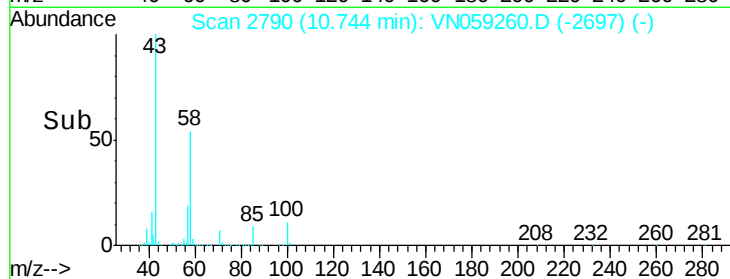
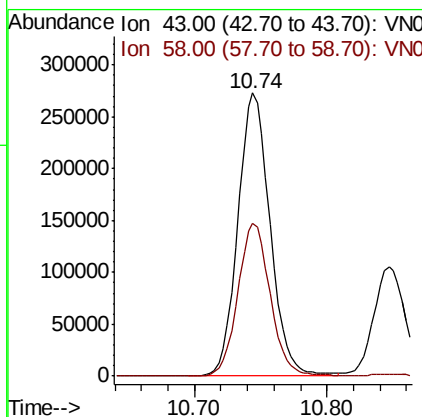
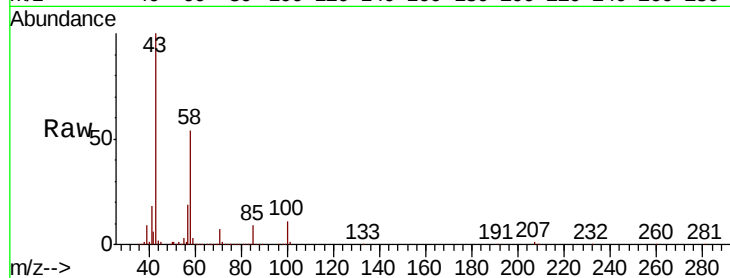
#59
2-Hexanone
Concen: 107.443 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion: 43 Resp: 459052
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8

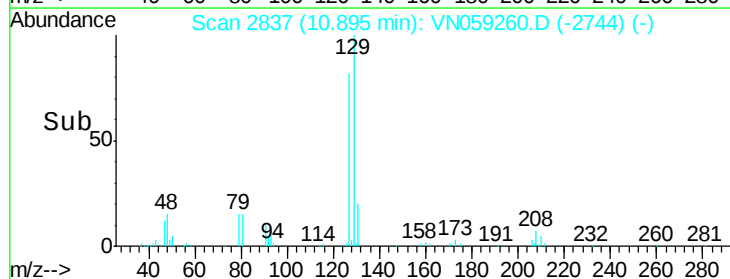
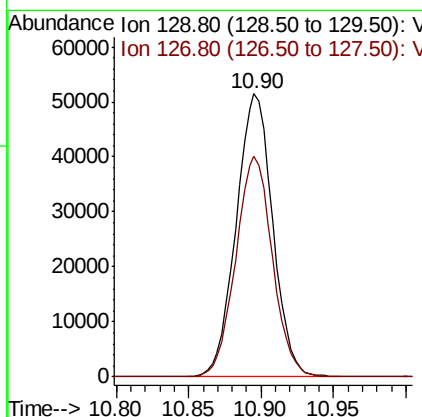
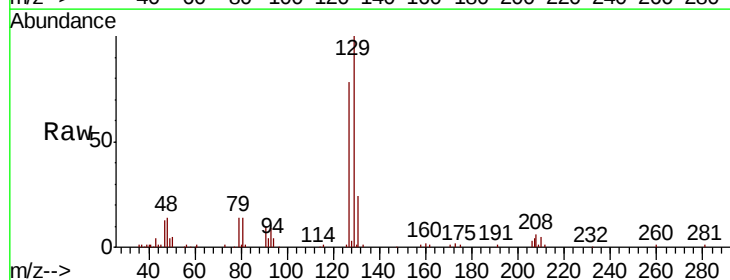
Manual Integrations
APPROVED

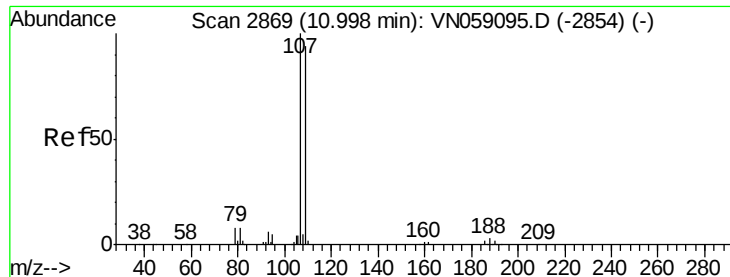
MMDadoda
11/18/2019 3:09:46 PM



#60
Dibromochloromethane
Concen: 21.023 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion: 129 Resp: 90061
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.164 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 107 Resp: 86807

Ion Ratio Lower Upper

107 100

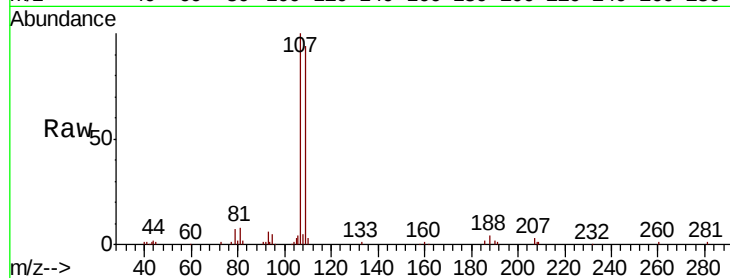
109 93.4 75.5 113.3

Manual Integrations

APPROVED

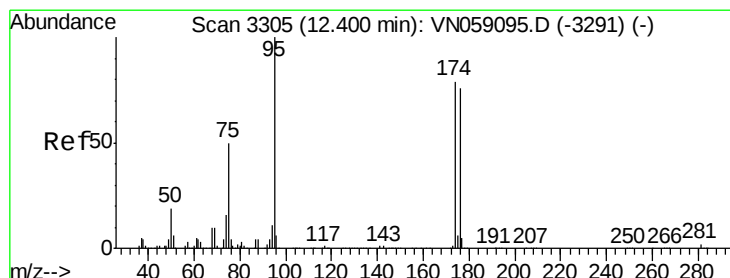
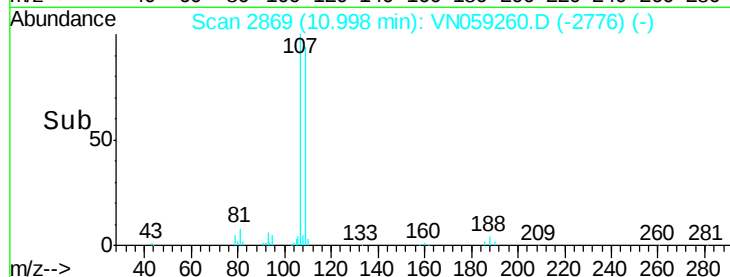
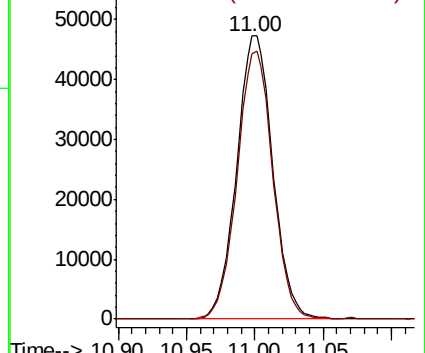
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.155 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

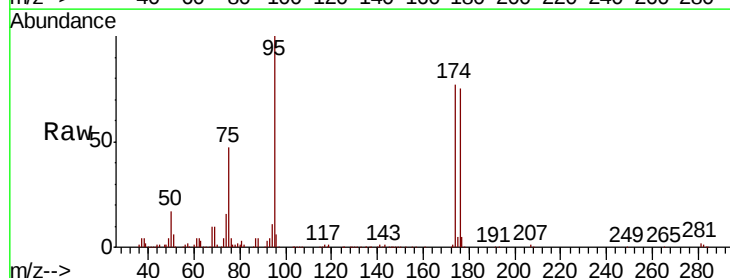
Tgt Ion: 95 Resp: 257435

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.2

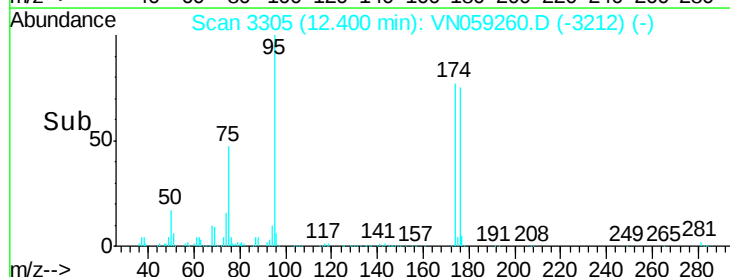
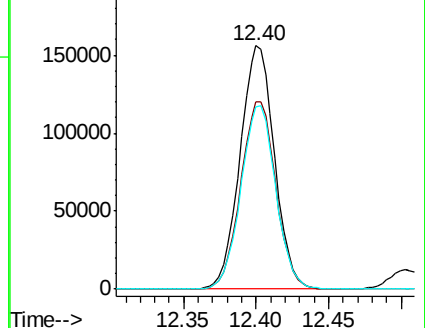
176 76.3 0.0 151.8

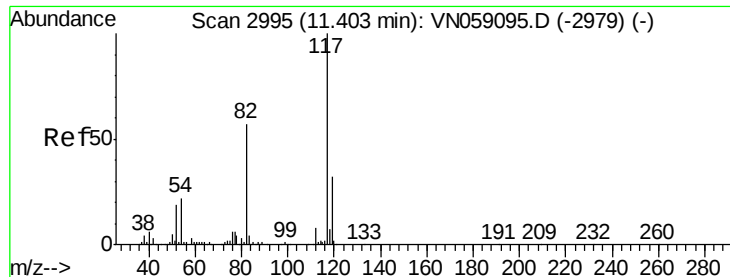


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





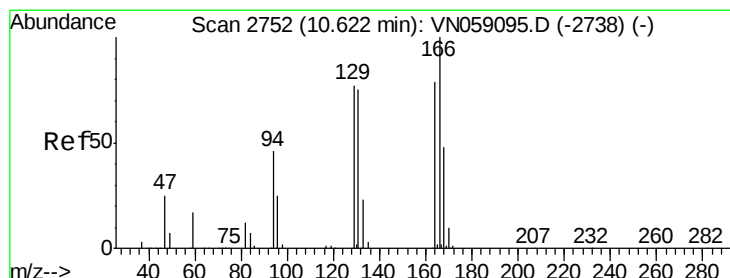
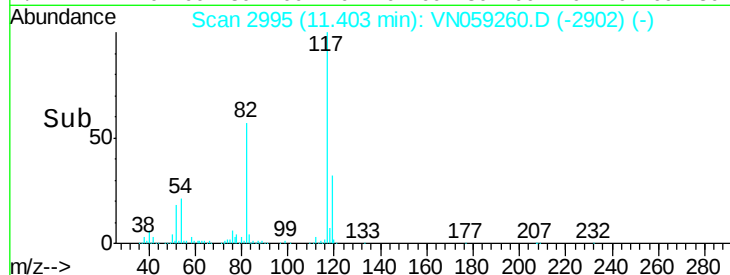
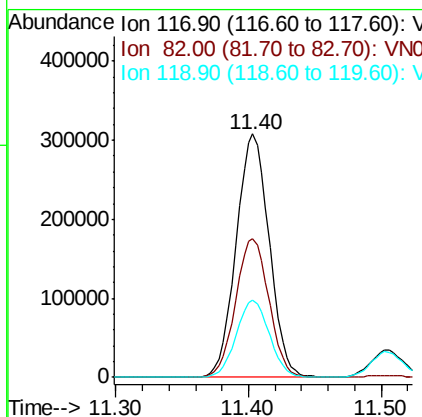
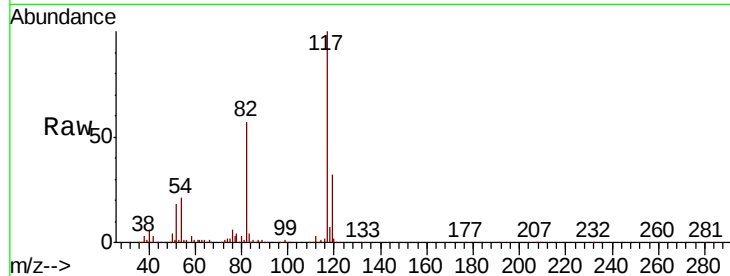
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.8
119	31.6	25.8	38.6

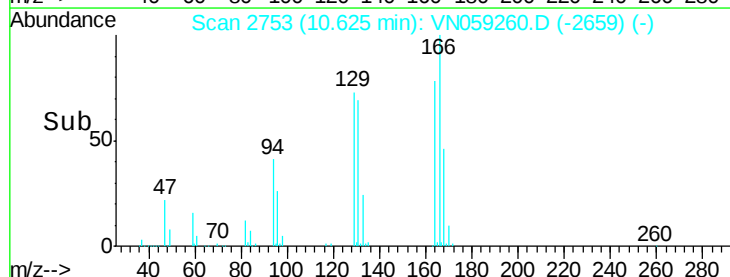
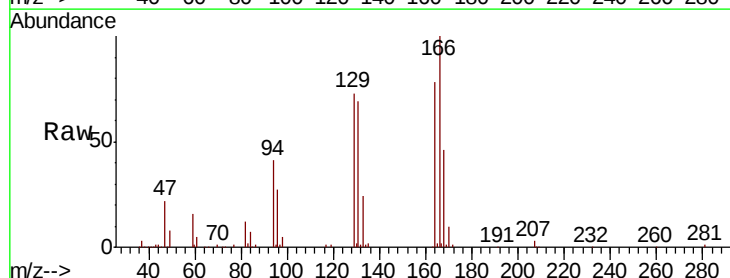
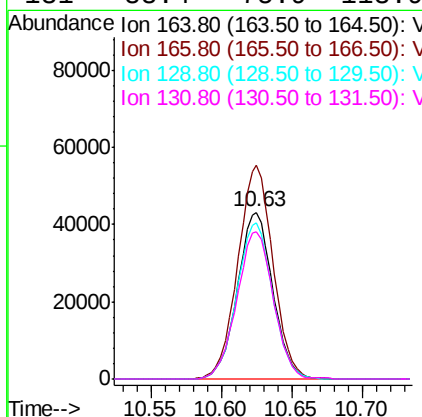
Manual Integrations
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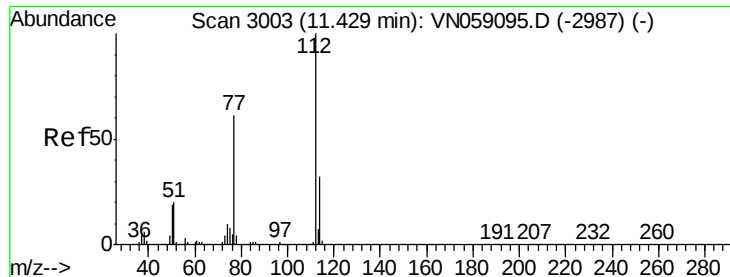
MMDadoda
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#64
Tetrachloroethene
Concen: 20.890 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.5	152.3
129	93.6	78.3	117.5
131	88.4	75.9	113.9





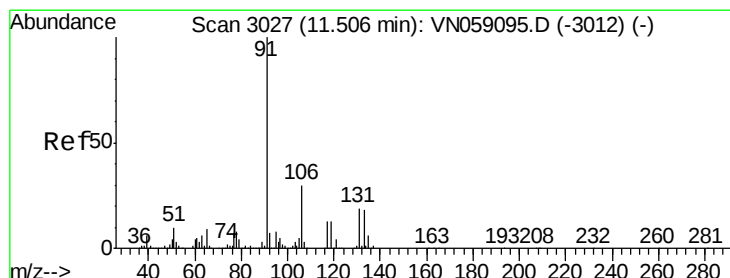
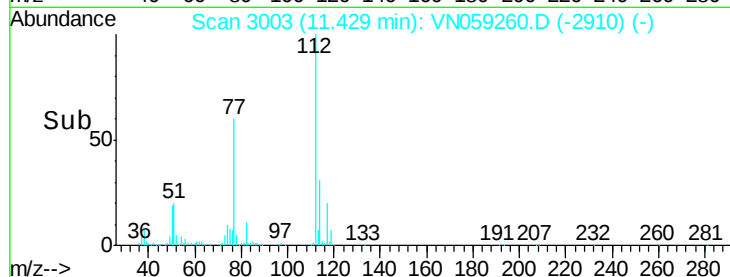
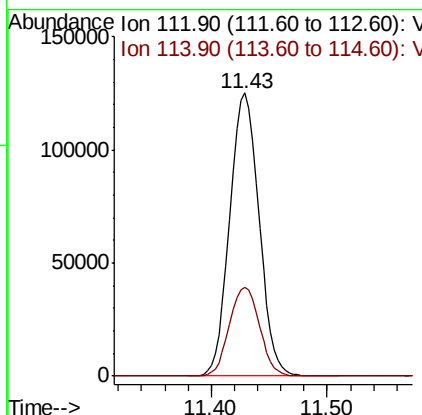
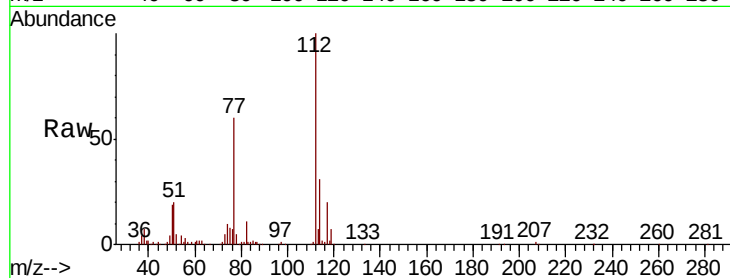
#65
Chlorobenzene
Concen: 20.965 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.2	37.8

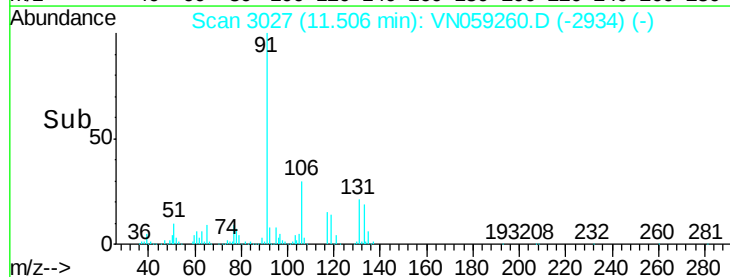
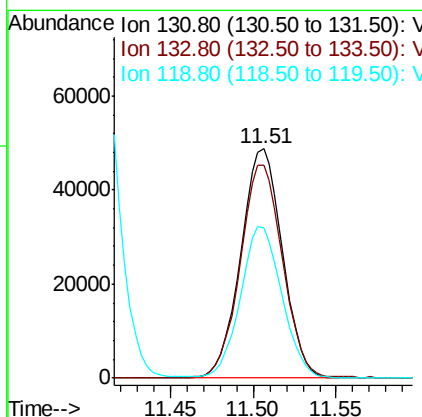
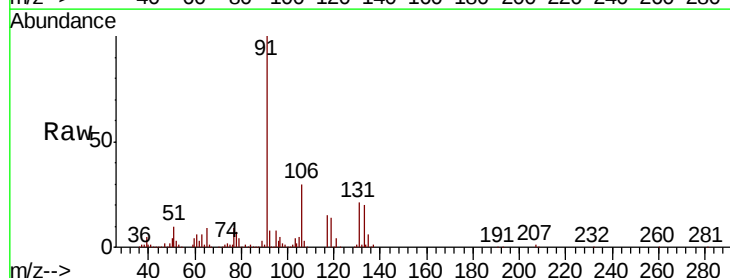
Manual Integrations
APPROVED

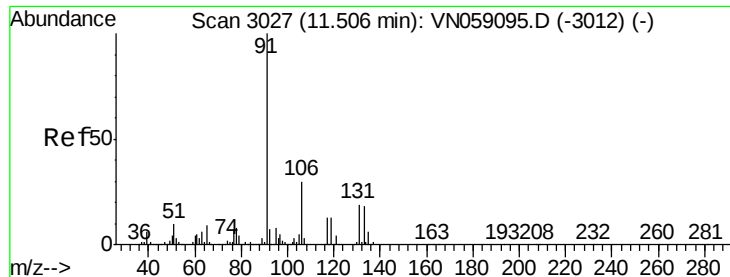
MMDadoda
11/18/2019 3:09:46 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.777 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.4	142.3
119	65.9	33.2	99.6





#67

Ethyl Benzene

Concen: 21.207 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 91 Resp: 391802

Ion Ratio Lower Upper

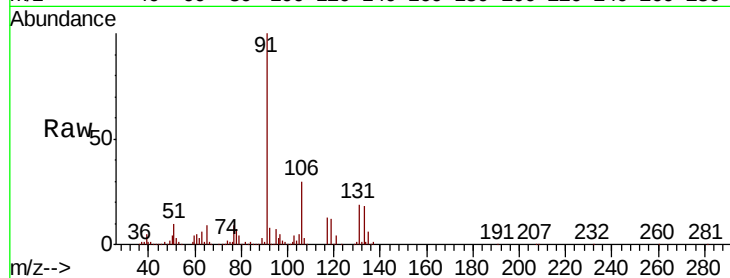
91 100

106 29.9 24.1 36.1

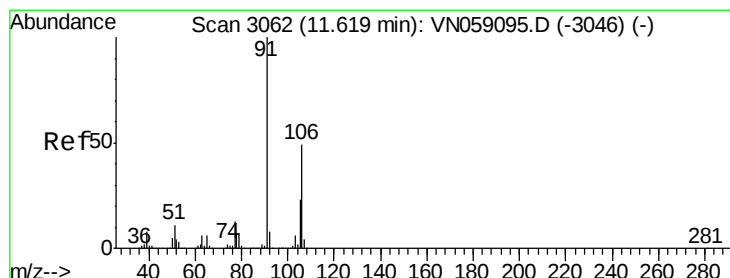
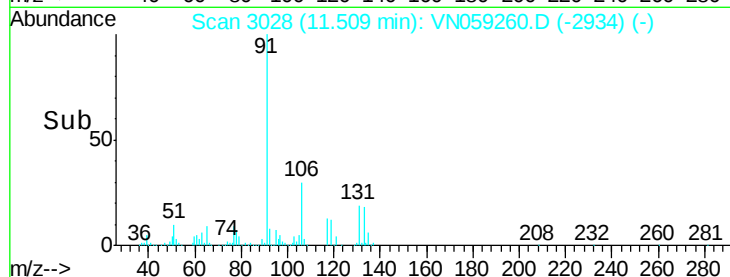
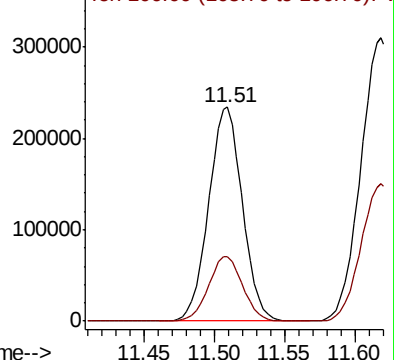
Manual Integrations
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.715 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059260.D

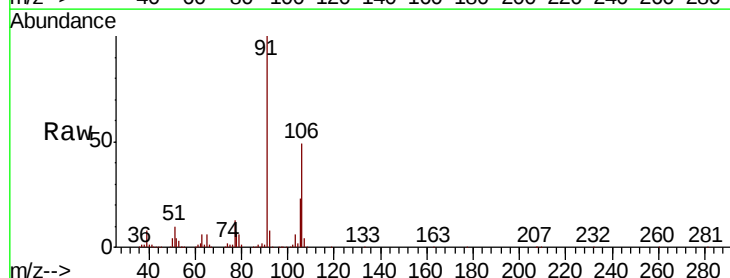
Acq: 15 Nov 2019 13:08

Tgt Ion: 106 Resp: 288695

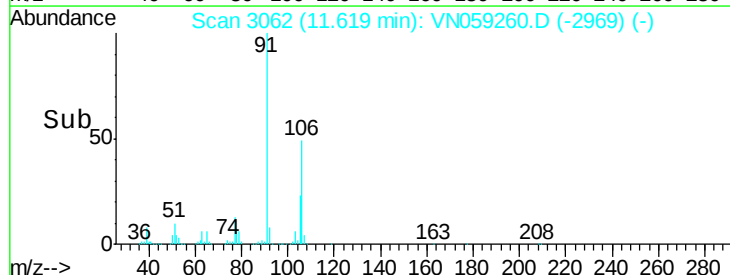
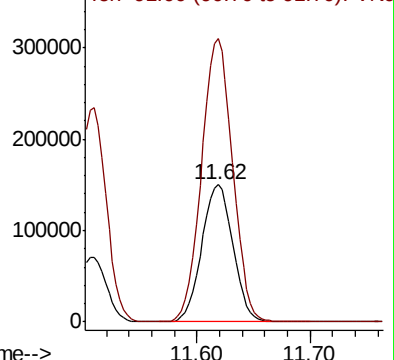
Ion Ratio Lower Upper

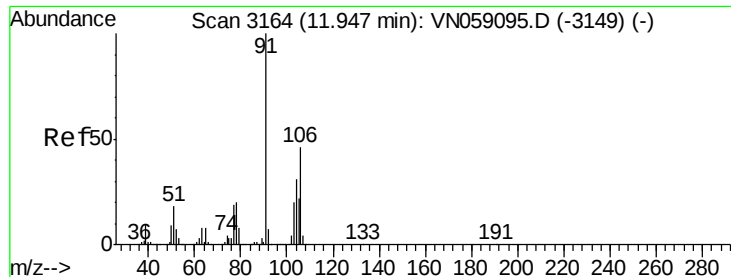
106 100

91 205.0 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)





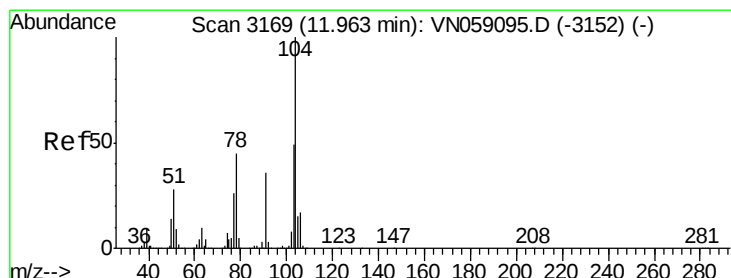
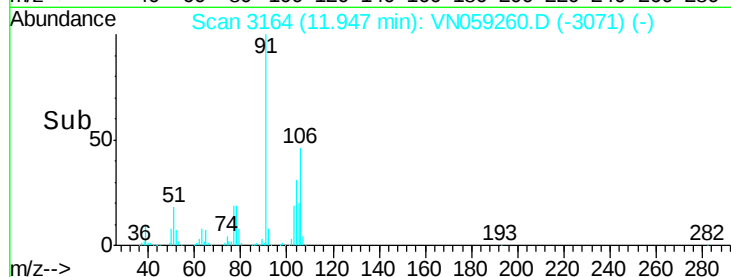
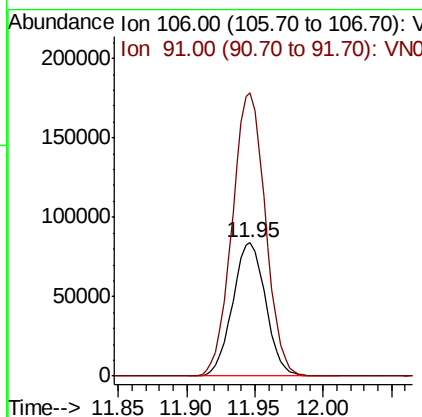
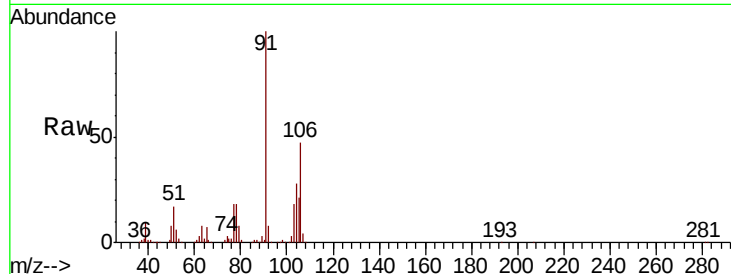
#69
o-Xylene
Concen: 21.078 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	213.6	110.1	330.3

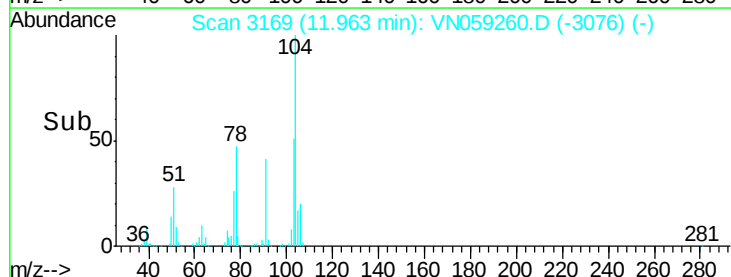
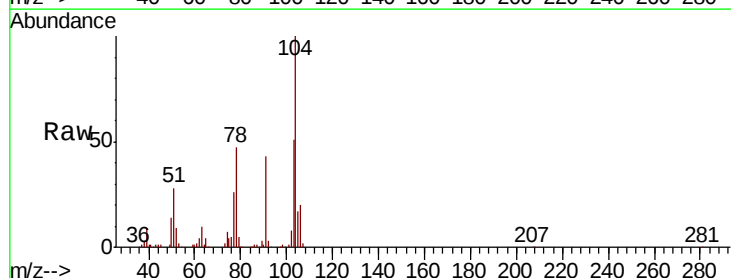
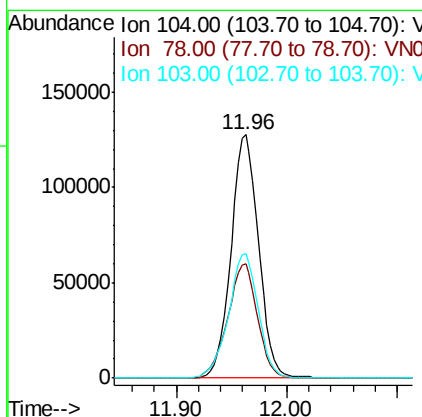
Manual Integrations
APPROVED

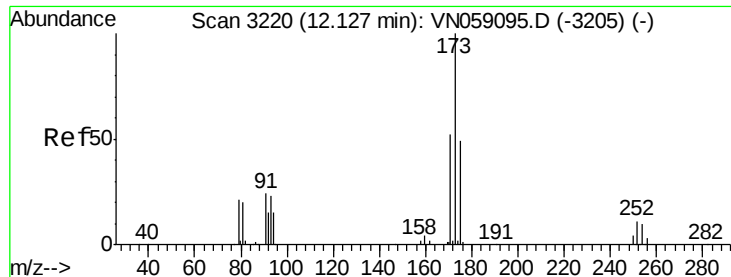
MMDadoda
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#70
Styrene
Concen: 21.020 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.8	41.2	61.8
103	103	55.2	43.8	65.6





#71

Bromoform

Concen: 20.877 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

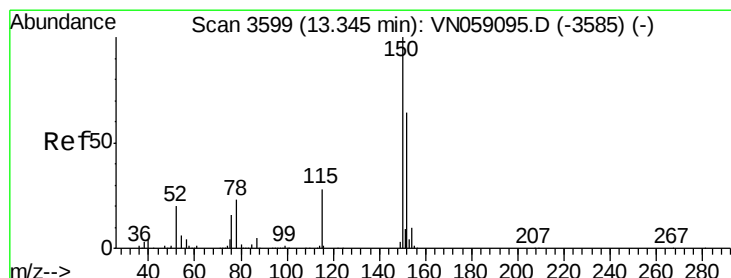
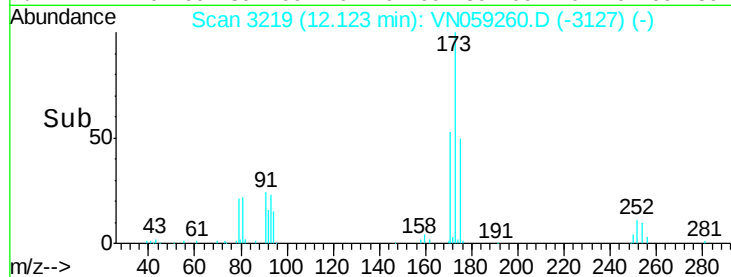
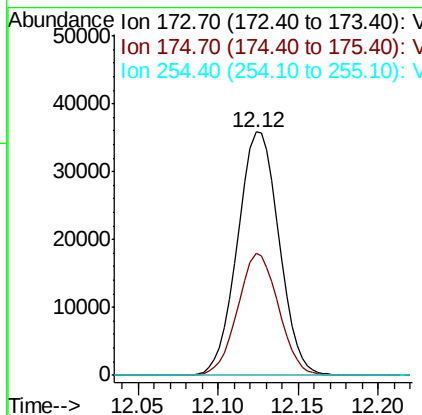
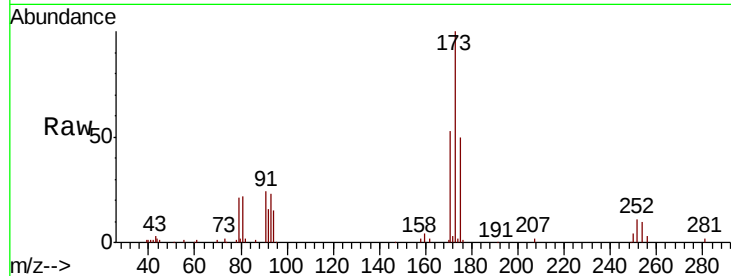
ClientSampleId :

VN1115MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

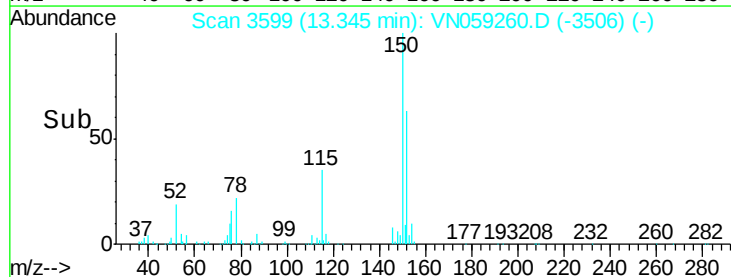
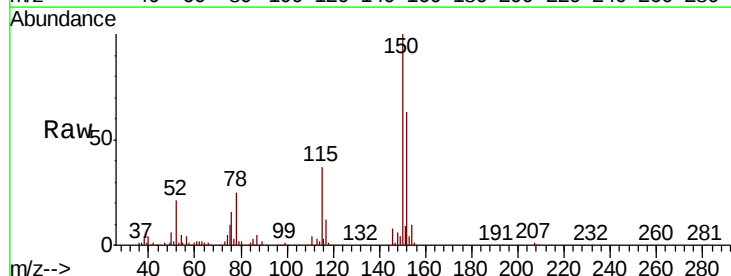
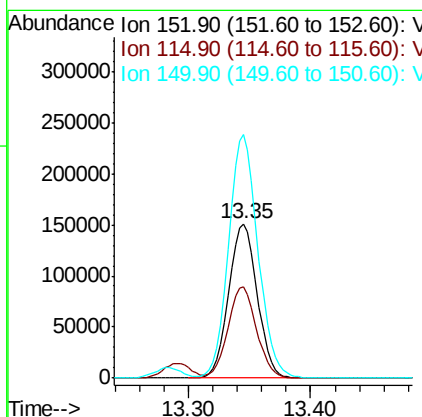
RT: 13.35 min Scan# 3599

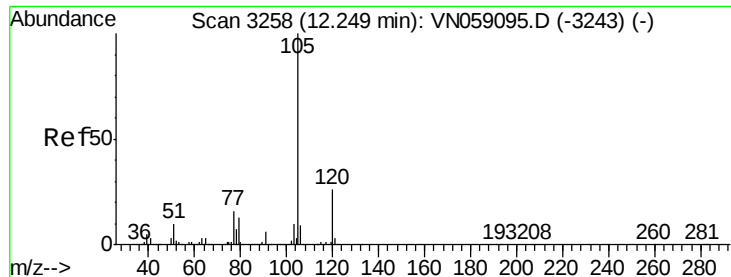
Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.4	88.2
150	161.8	0.0	345.8





#73

Isopropylbenzene

Concen: 21.133 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 105 Resp: 378998

Ion Ratio Lower Upper

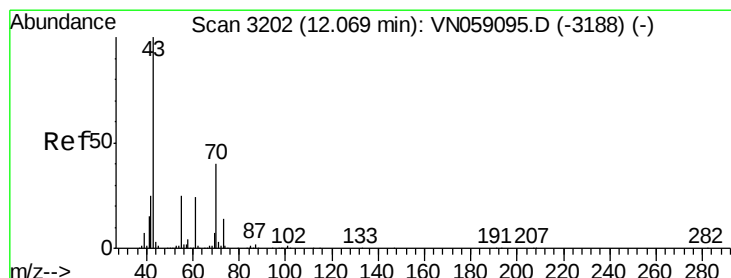
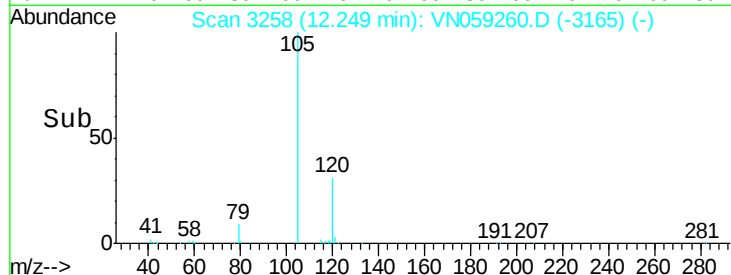
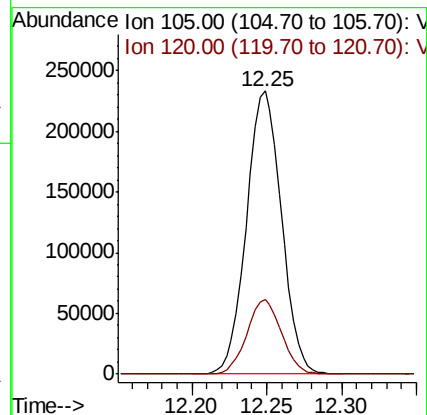
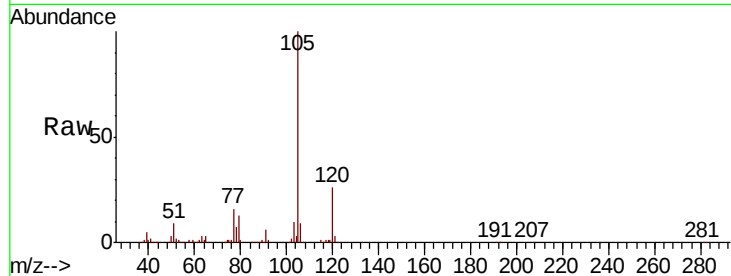
105 100

120 26.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.093 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion: 43 Resp: 152694

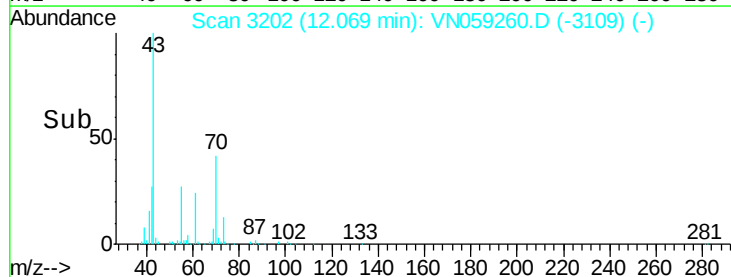
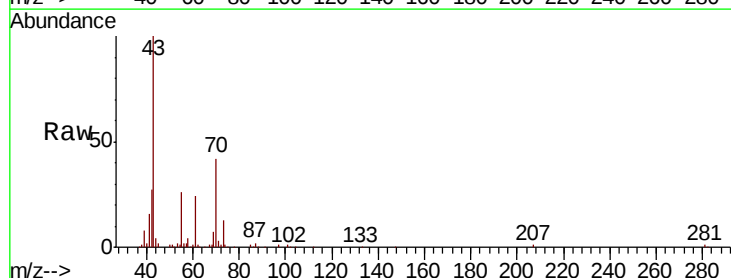
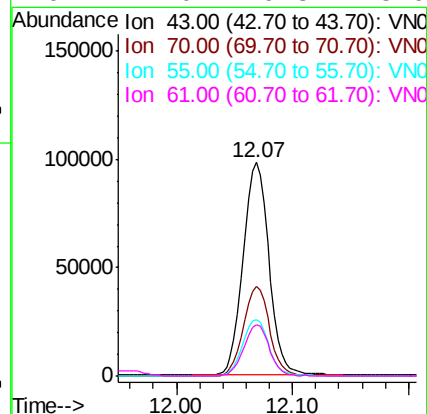
Ion Ratio Lower Upper

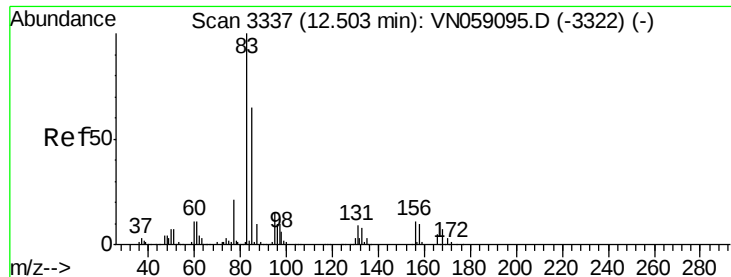
43 100

70 42.6 32.2 48.4

55 27.0 20.4 30.6

61 24.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.562 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 83 Resp: 131689

Ion Ratio Lower Upper

83 100

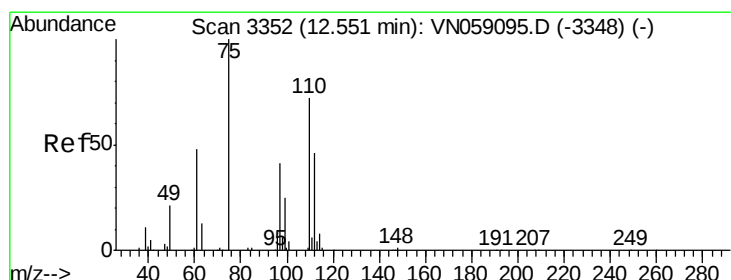
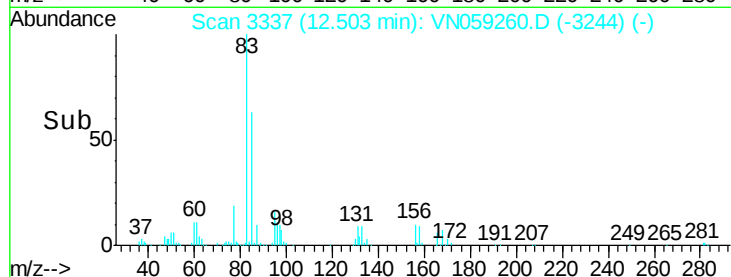
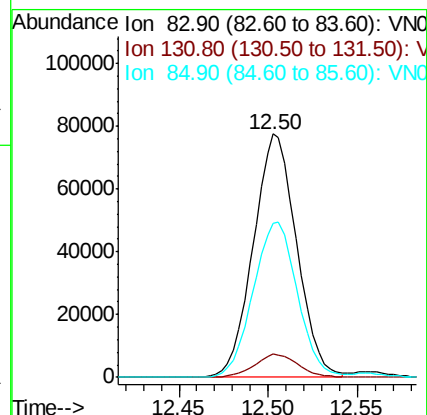
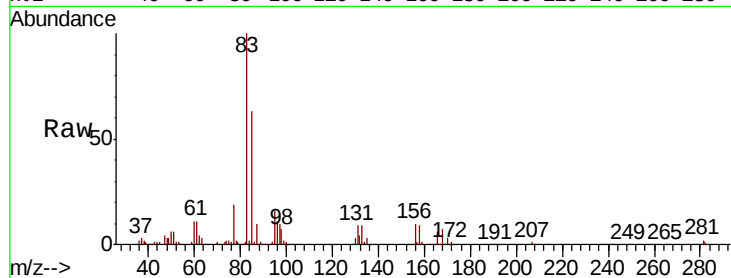
131 9.5 4.9 14.6

85 65.0 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.282 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059260.D

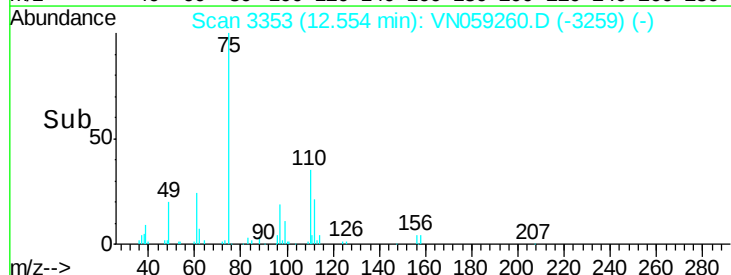
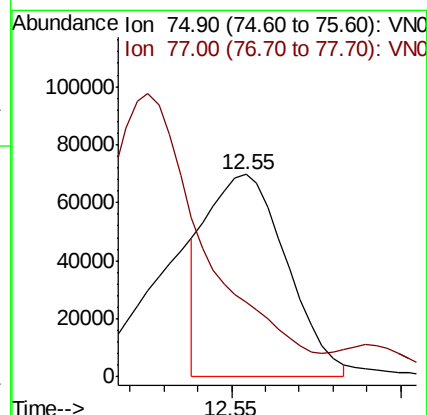
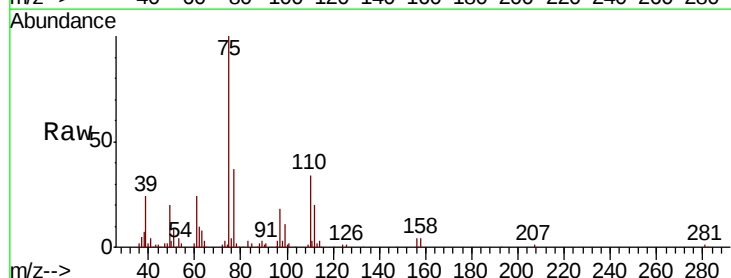
Acq: 15 Nov 2019 13:08

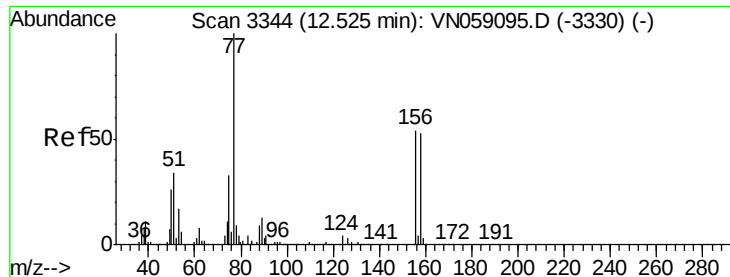
Tgt Ion: 75 Resp: 113846

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.595 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion:156 Resp: 92799

Ion Ratio Lower Upper

156 100

77 222.5 112.8 338.3

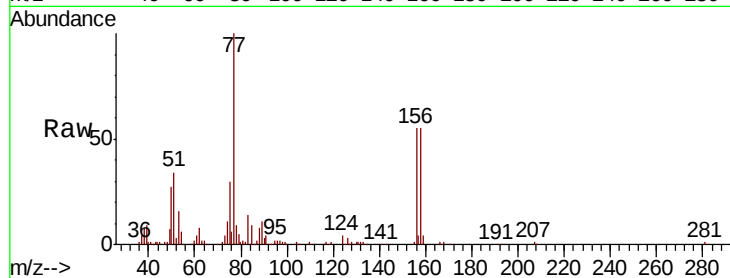
158 96.5 48.4 145.3

Manual Integrations

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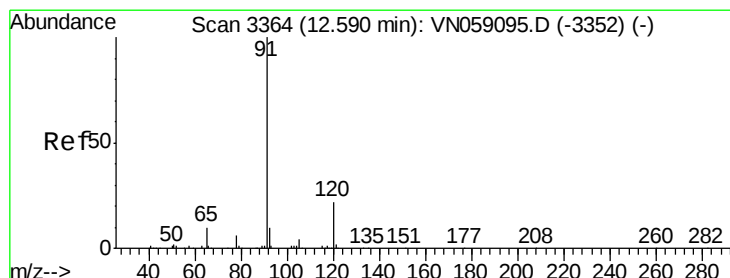
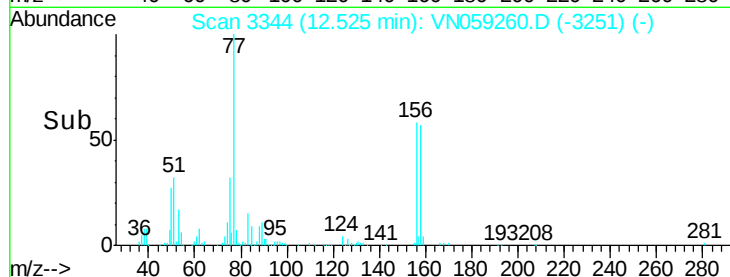
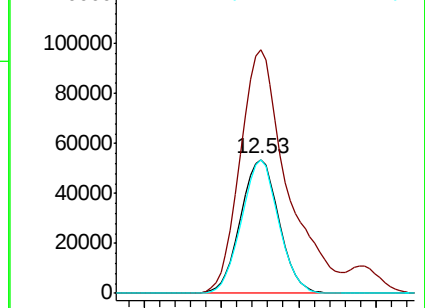
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.884 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059260.D

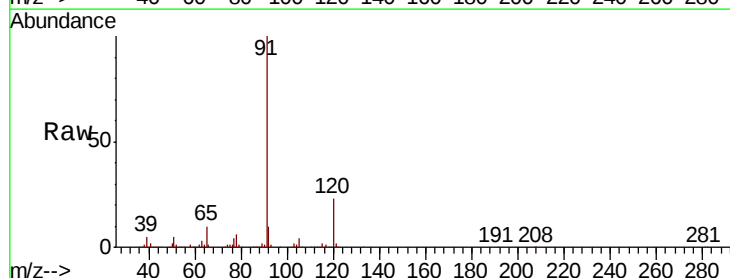
Acq: 15 Nov 2019 13:08

Tgt Ion: 91 Resp: 428847

Ion Ratio Lower Upper

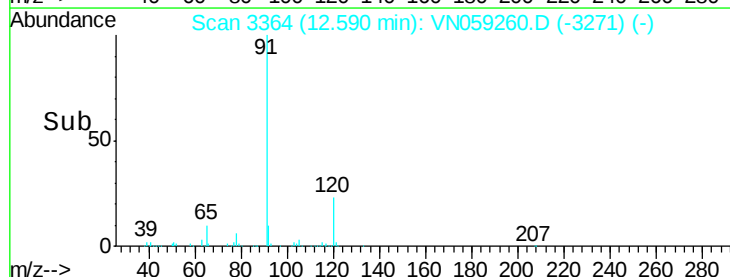
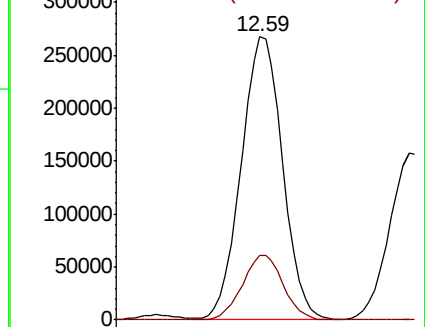
91 100

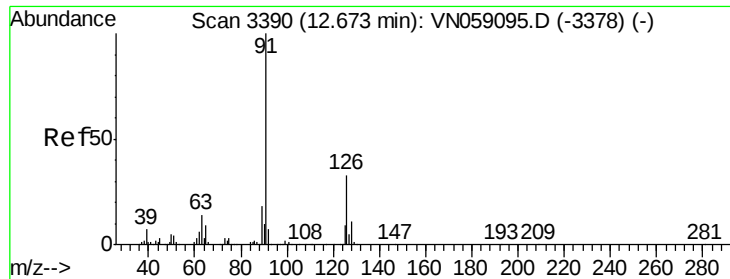
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.409 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion: 91 Resp: 259982

Ion Ratio Lower Upper

91 100

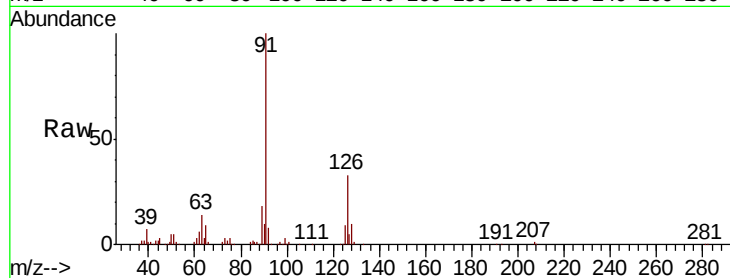
126 33.2 16.7 50.1

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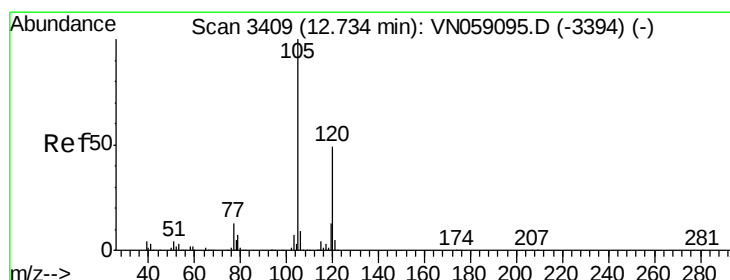
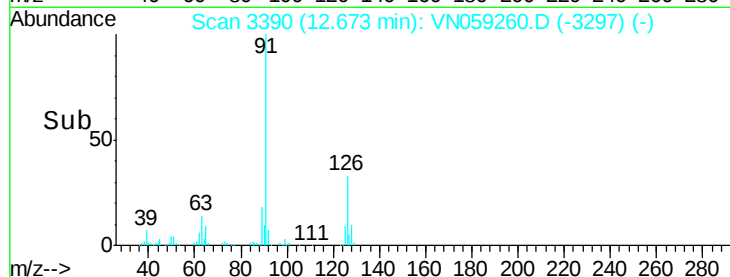
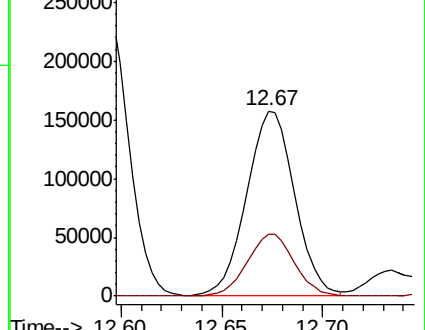
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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.792 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059260.D

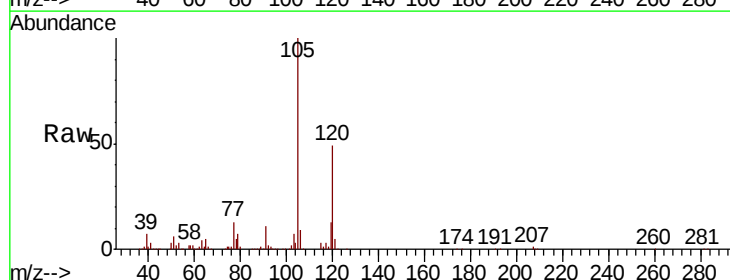
Acq: 15 Nov 2019 13:08

Tgt Ion: 105 Resp: 315968

Ion Ratio Lower Upper

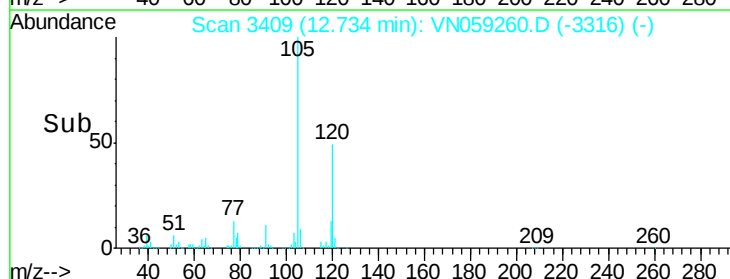
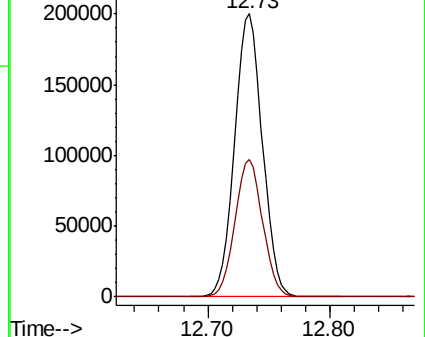
105 100

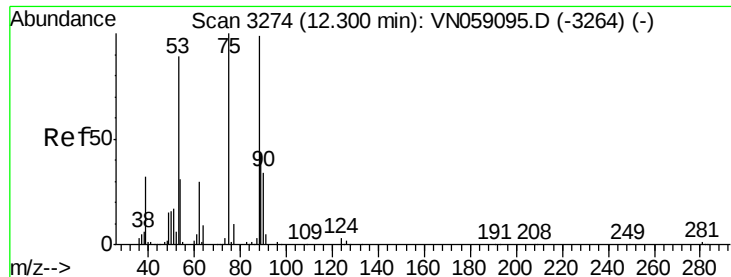
120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





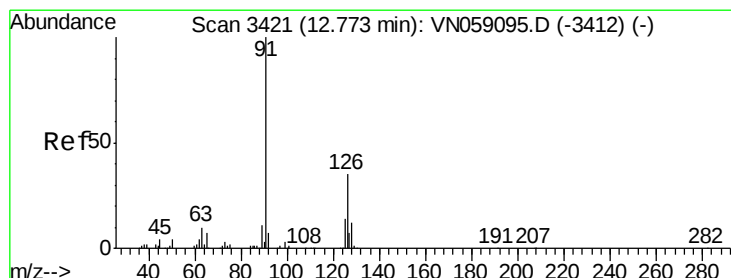
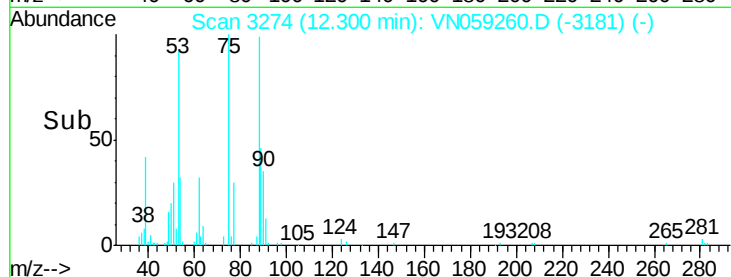
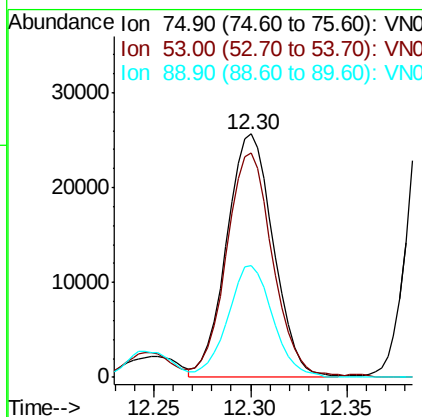
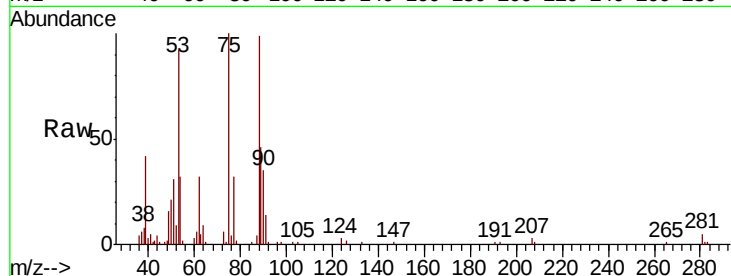
#81
trans-1,4-Dichloro-2-butene
Concen: 20.165 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	72.2	108.2
89	44.8	35.8	53.8

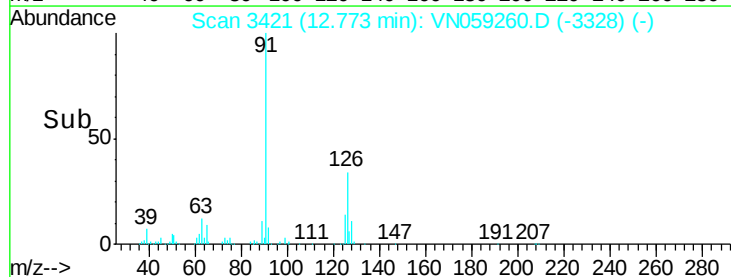
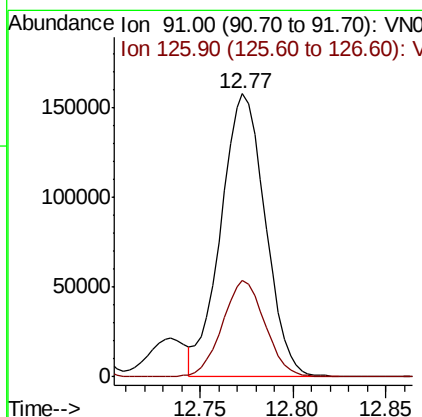
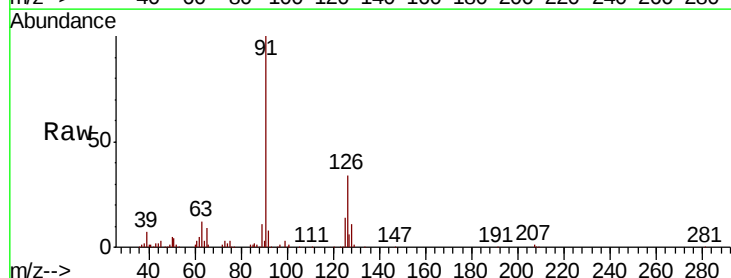
Manual Integrations
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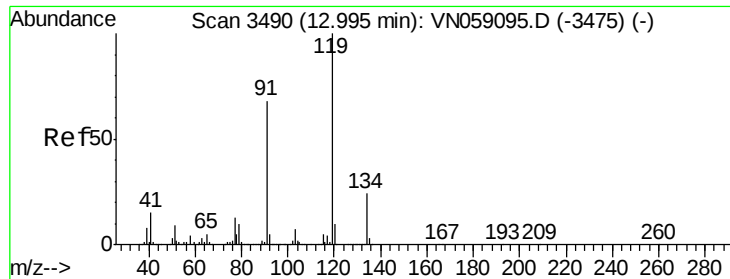
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#82
4-Chlorotoluene
Concen: 20.424 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.1	48.2





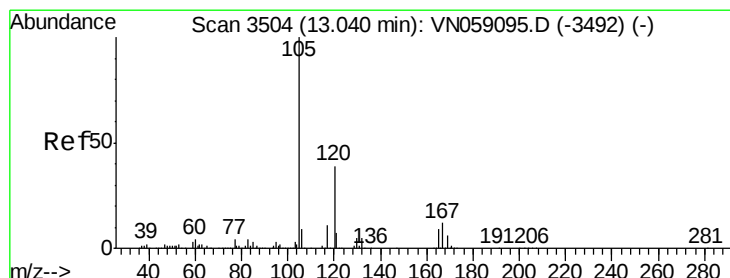
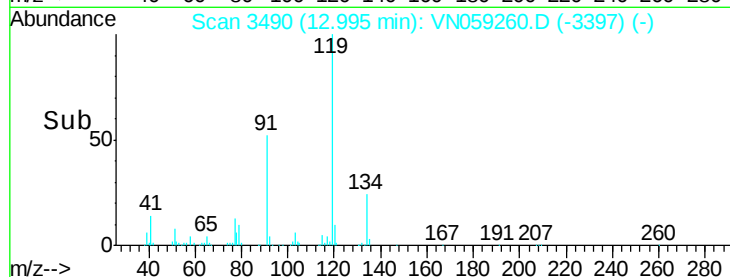
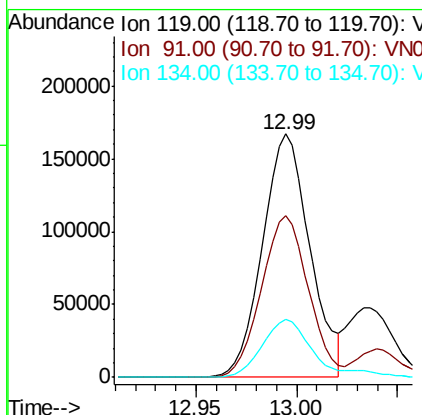
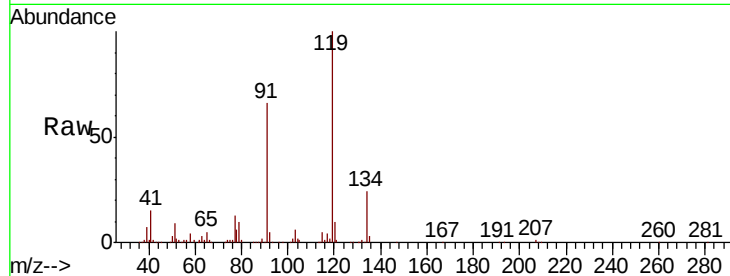
#83
tert-Butylbenzene
Concen: 20.859 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	33.2	99.6
134	25.7	12.7	38.1

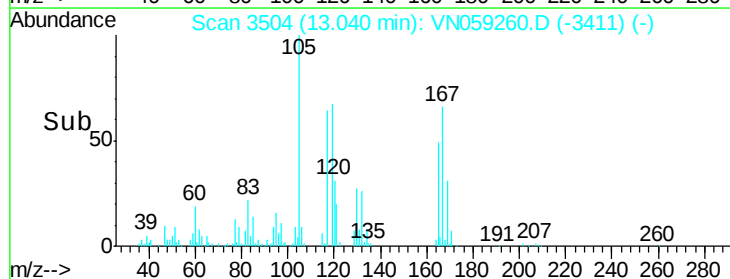
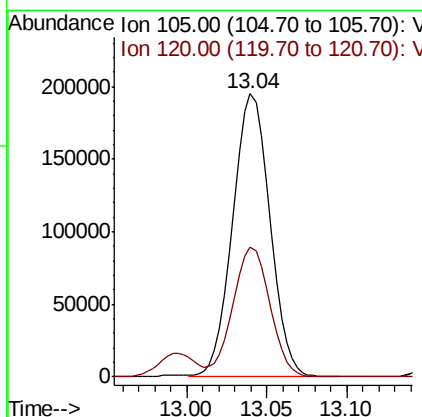
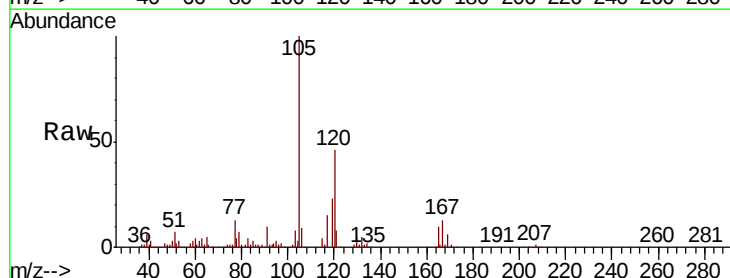
Manual Integrations
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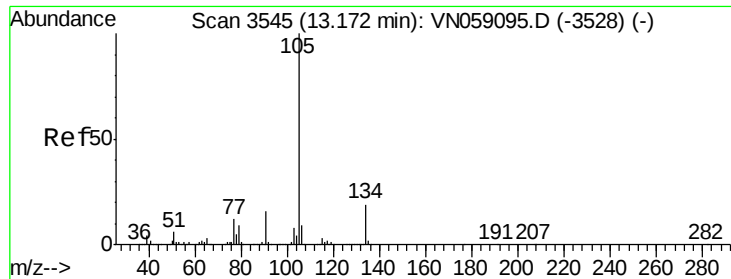
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#84
1,2,4-Trimethylbenzene
Concen: 20.966 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.127 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1115MBS01

Tot Ion:105 Resp: 360593

Ion Ratio Lower Upper

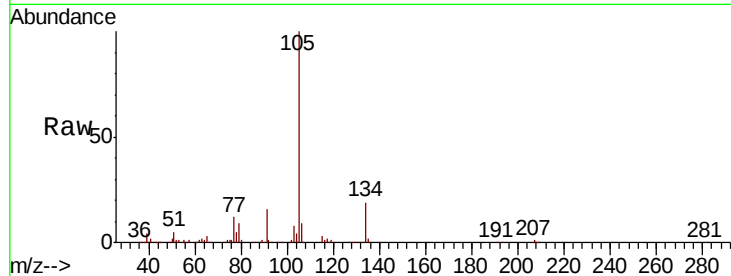
105 100

134 19.6 9.7 29.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

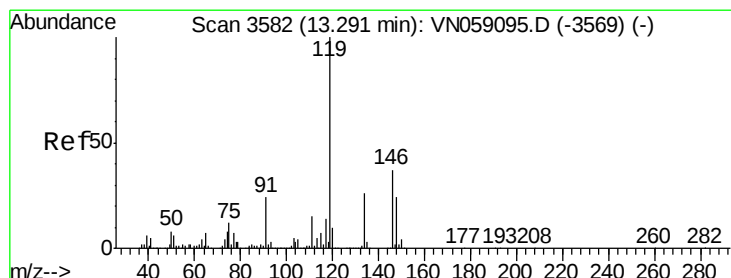
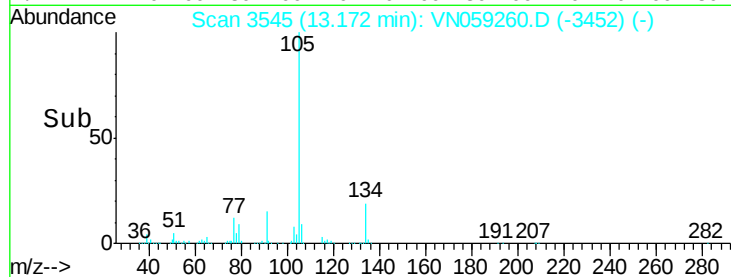
50000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 21.085 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

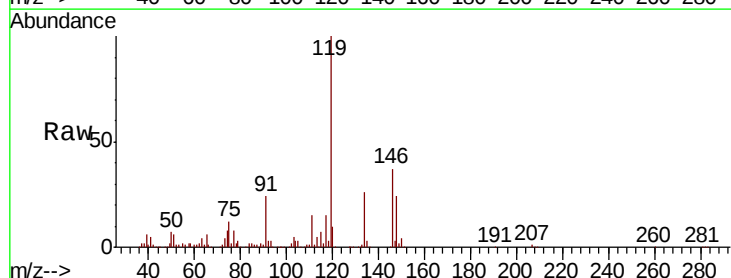
Tgt Ion:119 Resp: 317758

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

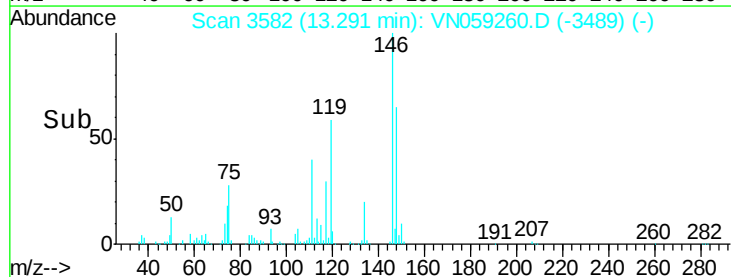
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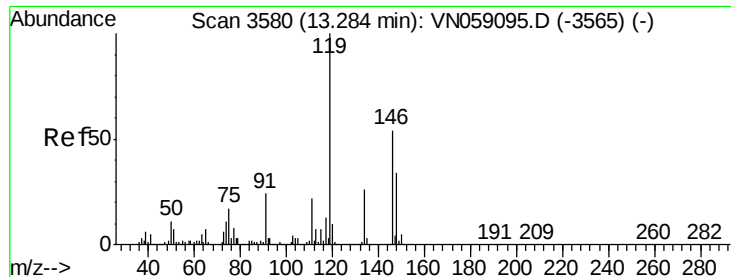
13.25

13.30

13.35

Time-->





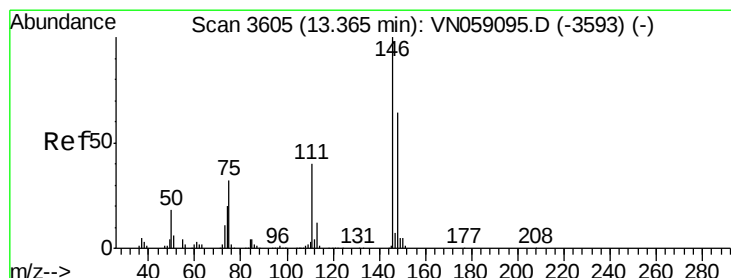
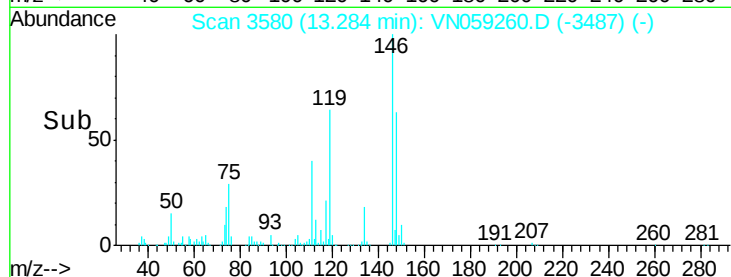
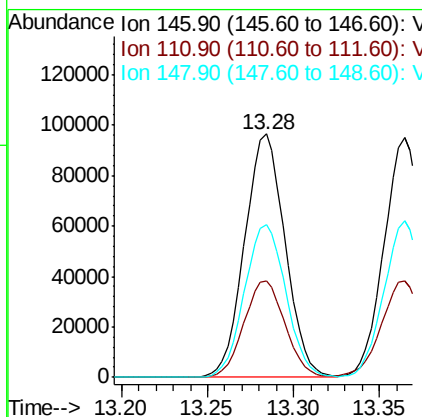
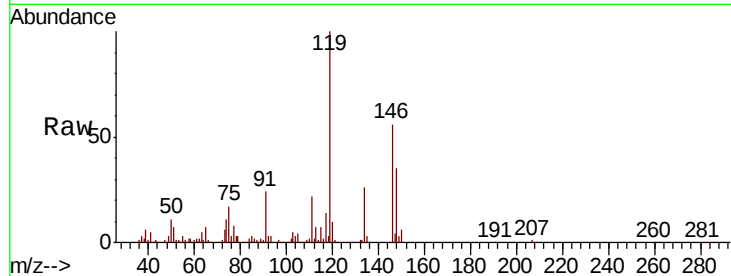
#87
 1,3-Dichlorobenzene
 Concen: 20.513 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	63.9	32.2	96.6

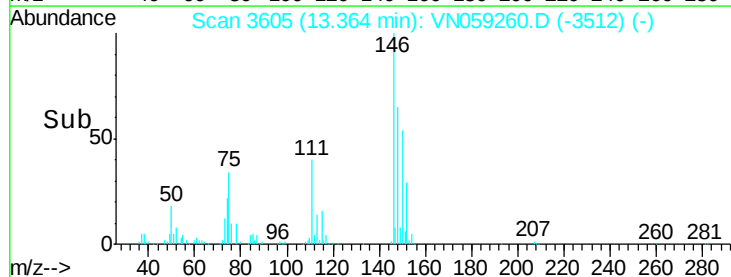
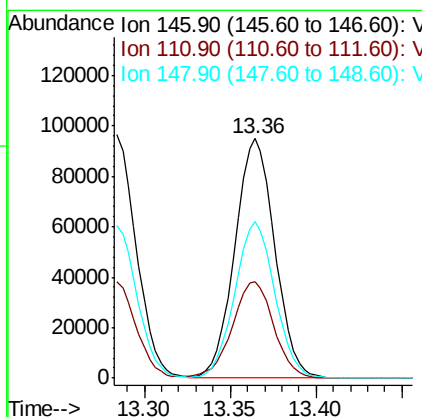
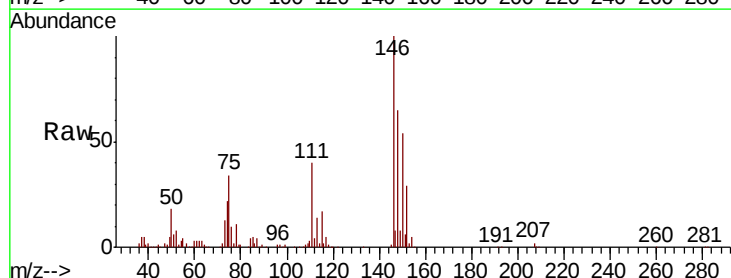
Manual Integrations
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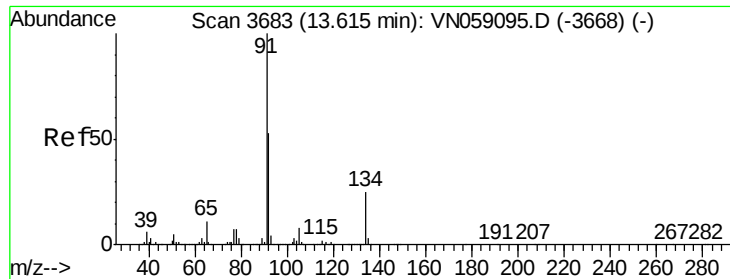
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#88
 1,4-Dichlorobenzene
 Concen: 19.853 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	60.9
148	65.4	31.9	95.7





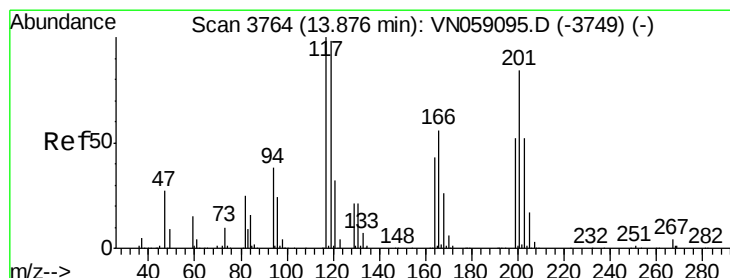
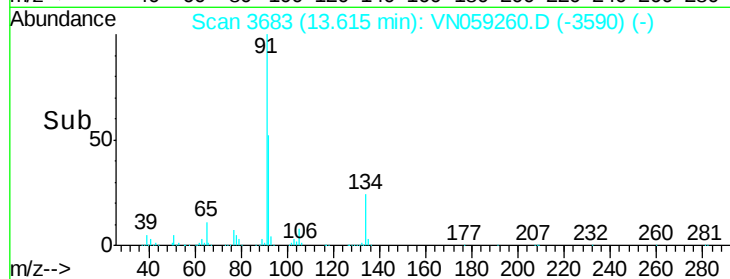
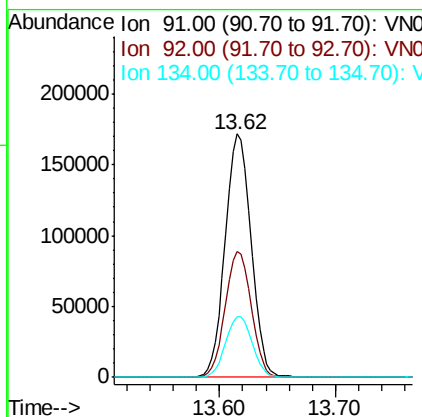
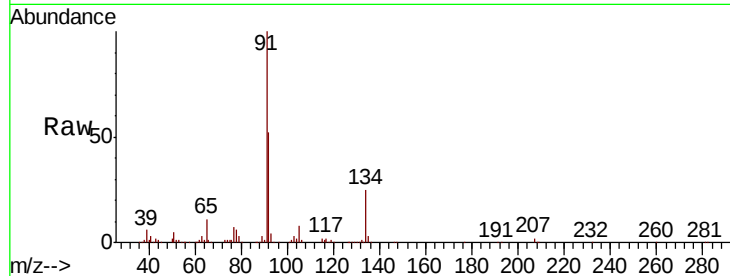
#89
n-Butylbenzene
Concen: 20.133 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1115MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.6	12.6	37.8

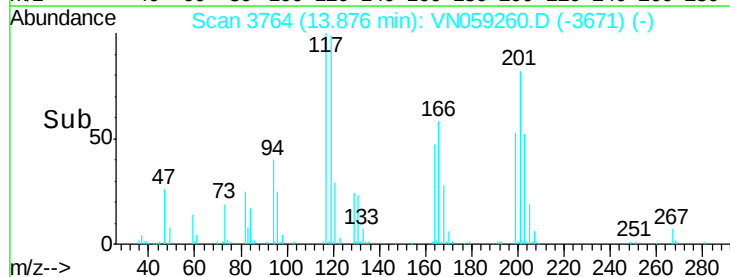
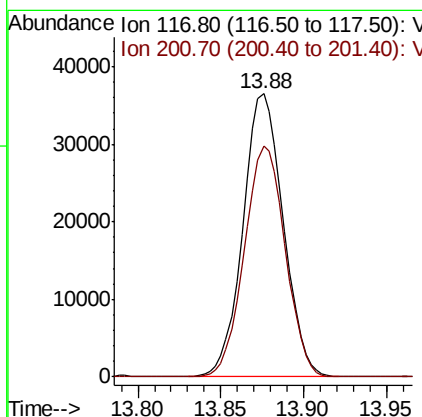
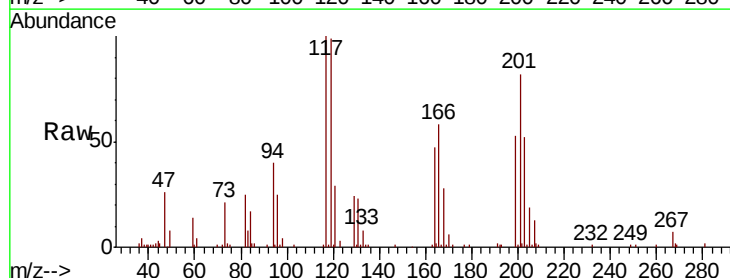
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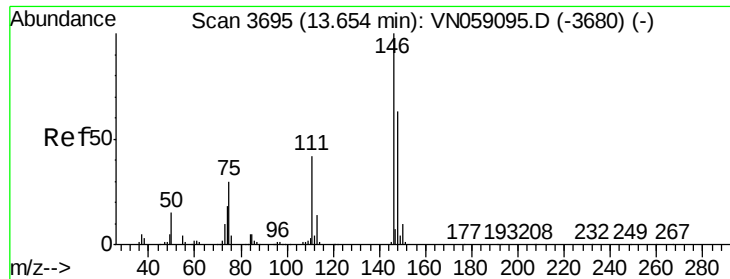
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#90
Hexachloroethane
Concen: 20.352 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059260.D
Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 20.926 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

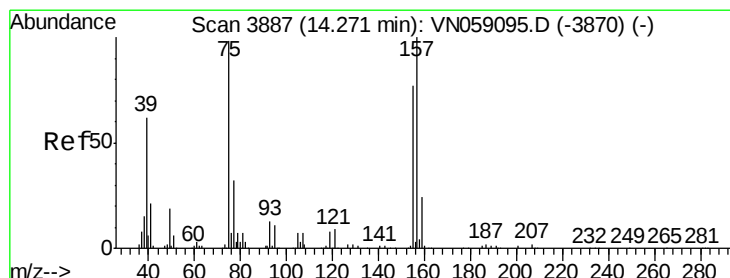
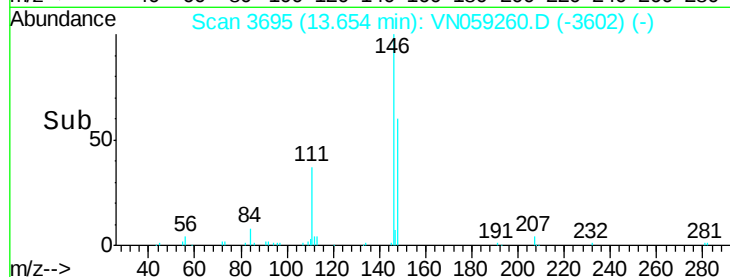
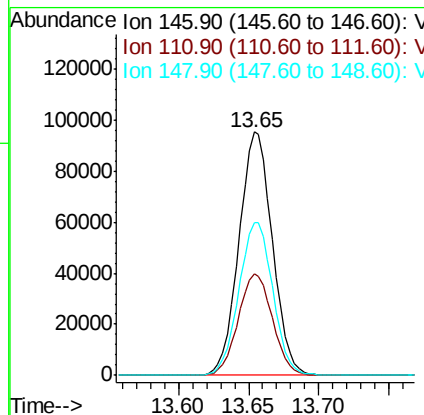
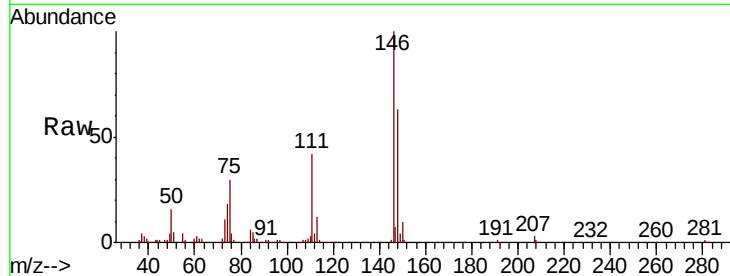
ClientSampleId :

VN1115MBS01

Tot Ion:	146	Resp:	158833
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.2	63.6
148	63.9	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.369 ug/l

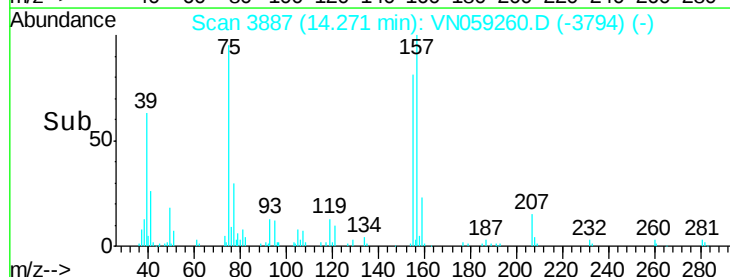
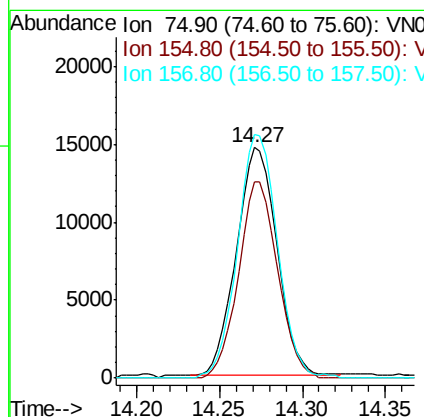
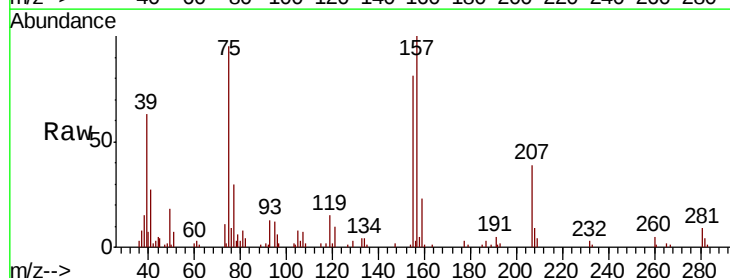
RT: 14.27 min Scan# 3887

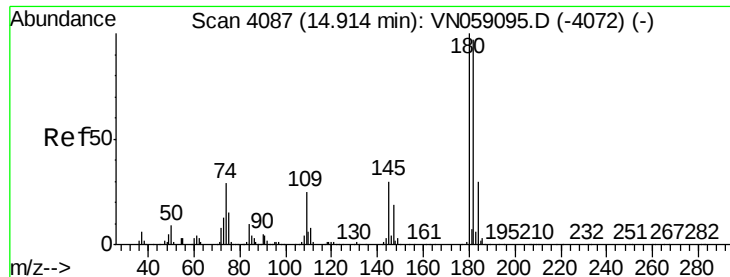
Delta R.T. 0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	75	Resp:	24801
Ion Ratio	Lower	Upper	
75	100		
155	83.7	40.2	120.6
157	106.1	51.8	155.5





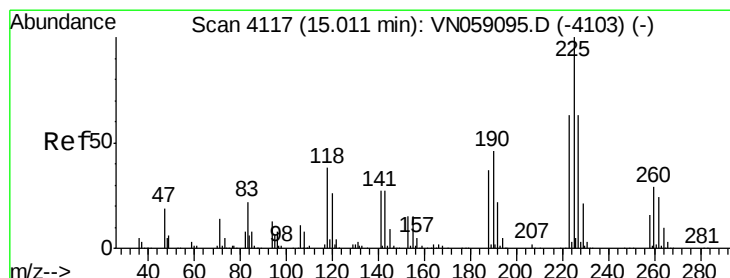
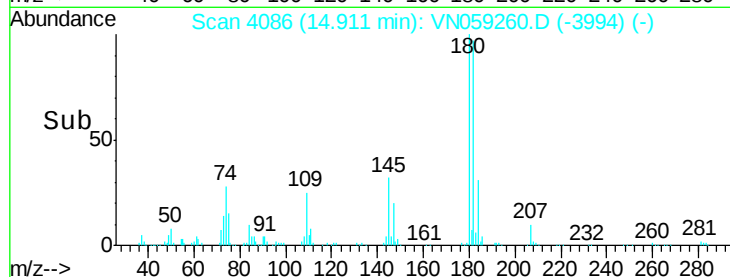
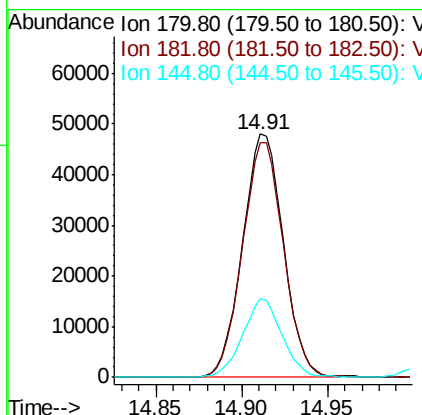
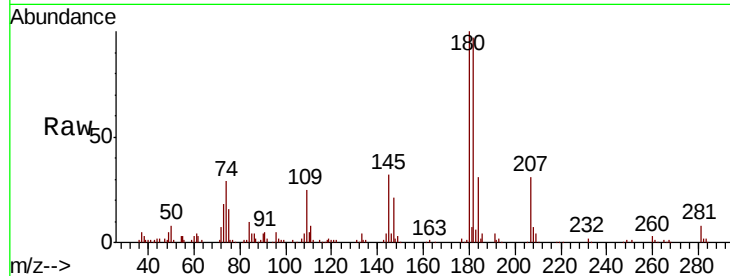
#93
 1,2,4-Trichlorobenzene
 Concen: 19.157 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1115MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.1	144.3
145	31.2	15.1	45.3

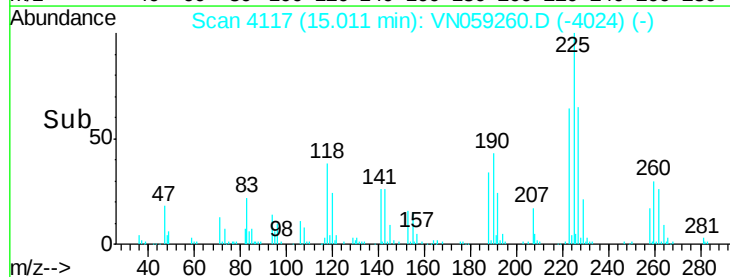
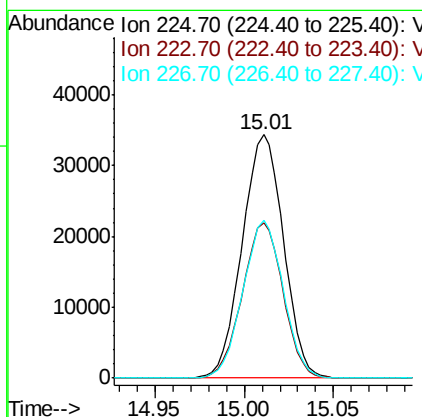
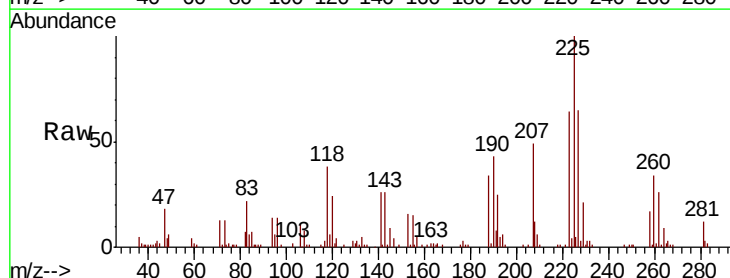
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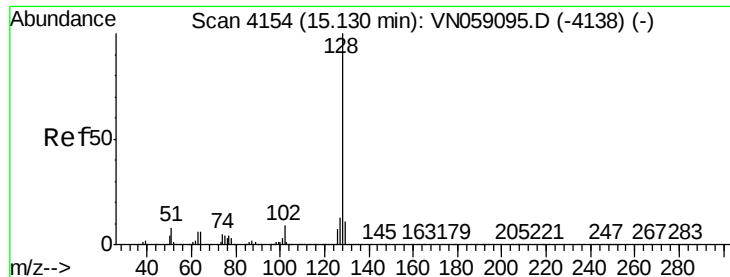
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#94
 Hexachlorobutadiene
 Concen: 21.307 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059260.D
 Acq: 15 Nov 2019 13:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.3	93.9
227	63.2	31.5	94.5





#95

Naphthalene

Concen: 18.499 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Instrument :

MSVOA_N

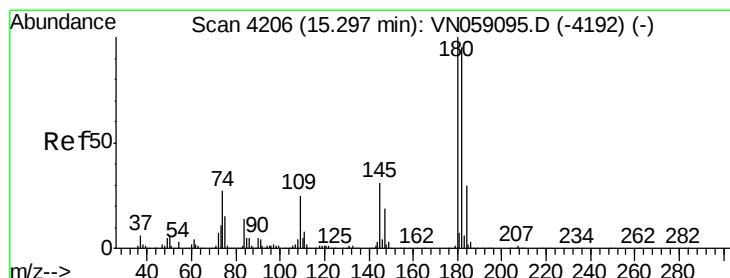
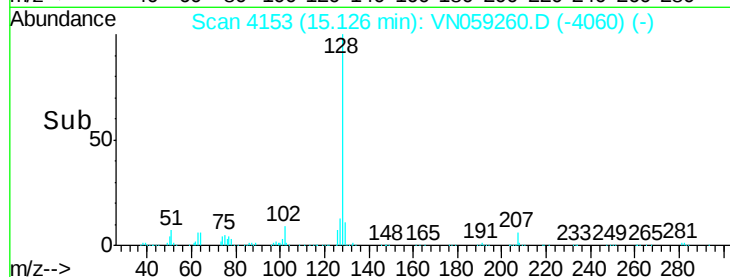
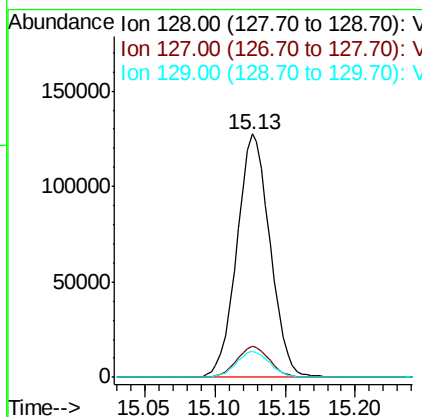
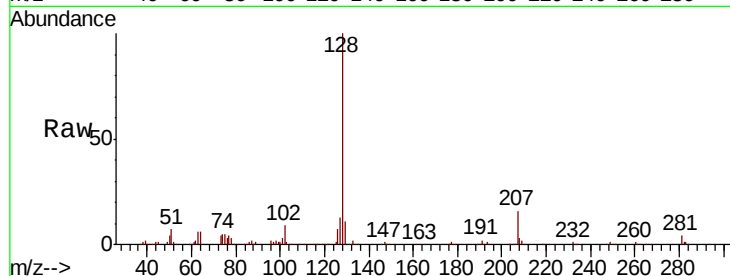
ClientSampleId :

VN1115MBS01

Tot Ion:	128	Resp:	210256
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.481 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059260.D

Acq: 15 Nov 2019 13:08

Tgt Ion:	180	Resp:	82865
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	141.8
145	31.9	15.8	47.3

