

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059225.D
 Acq On : 14 Nov 2019 12:03
 Operator : JC/SP
 Sample : VN1114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:21:53 AM

Quant Time: Nov 15 06:56:28 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	393161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	612018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	569152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258131	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	245365	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.57	113	193956	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.08	98	728145	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.40	95	260954	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	76462	19.302	ug/l 97
3) Chloromethane	2.04	50	101315	18.815	ug/l 96
4) Vinyl Chloride	2.17	62	102770	19.686	ug/l 99
5) Bromomethane	2.54	94	61111	20.342	ug/l 98
6) Chloroethane	2.68	64	62014	20.081	ug/l 100
7) Trichlorofluoromethane	3.00	101	130530	20.904	ug/l 98
8) Diethyl Ether	3.39	74	52910	20.853	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	80109	21.277	ug/l 98
10) Methyl Iodide	3.92	142	93543	20.072	ug/l 99
11) Tert butyl alcohol	4.76	59	107074	116.251	ug/l 99
12) 1,1-Dichloroethene	3.71	96	73903	20.150	ug/l 96
13) Acrolein	3.58	56	33957	71.507	ug/l 94
14) Allyl chloride	4.30	41	151526	20.113	ug/l 99
15) Acrylonitrile	4.96	53	267941	116.893	ug/l 99
16) Acetone	3.79	43	225142	89.583	ug/l 97
17) Carbon Disulfide	4.03	76	201503	17.699	ug/l 100
18) Methyl Acetate	4.30	43	140368	23.530	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	274494	21.739	ug/l 98
20) Methylene Chloride	4.52	84	90354	20.636	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	81865	20.795	ug/l 93
22) Diisopropyl ether	5.93	45	306288	21.524	ug/l 95
23) Vinyl Acetate	5.87	43	1263878	114.601	ug/l 100
24) 1,1-Dichloroethane	5.82	63	168921	21.254	ug/l 99
25) 2-Butanone	6.81	43	359339	108.486	ug/l 98
26) 2,2-Dichloropropane	6.80	77	141473	20.357	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	97136	21.268	ug/l 97
28) Bromochloromethane	7.17	49	49634	20.757	ug/l 98
29) Tetrahydrofuran	7.19	42	243853	115.865	ug/l 99
30) Chloroform	7.35	83	166155	21.793	ug/l 100
31) Cyclohexane	7.63	56	143696	19.098	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	137704	21.483	ug/l 100
36) 1,1-Dichloropropene	7.77	75	114537	20.022	ug/l 98
37) Ethyl Acetate	6.90	43	146267	22.984	ug/l 100
38) Carbon Tetrachloride	7.75	117	121363	21.315	ug/l 99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	128162	19.304	ug/l	99
40) Benzene	8.02	78	367318	21.323	ug/l	100
41) Methacrylonitrile	7.15	41	53021m	19.160	ug/l	
42) 1,2-Dichloroethane	8.11	62	129859	21.979	ug/l	99
43) Isopropyl Acetate	8.15	43	221765	21.858	ug/l	100
44) Trichloroethene	8.82	130	88026	20.787	ug/l	99
45) 1,2-Dichloropropane	9.10	63	102064	21.813	ug/l	99
46) Dibromomethane	9.19	93	62580	21.463	ug/l	99
47) Bromodichloromethane	9.39	83	128212	22.021	ug/l	95
48) Methyl methacrylate	9.19	41	96679	21.303	ug/l	98
49) 1,4-Dioxane	9.19	88	38905	482.392	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	728266	126.859	ug/l	99
52) Toluene	10.15	92	222344	21.534	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141844	21.087	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	152410	21.064	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	91703	21.945	ug/l	99
56) Ethyl methacrylate	10.42	69	135752	20.621	ug/l	99
57) 1,3-Dichloropropane	10.70	76	157355	21.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	262534	112.891	ug/l	99
59) 2-Hexanone	10.74	43	530215	120.332	ug/l	99
60) Dibromochloromethane	10.90	129	97898	22.158	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95013	22.461	ug/l	97
64) Tetrachloroethene	10.63	164	78656	20.324	ug/l	97
65) Chlorobenzene	11.43	112	233665	21.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91544	21.995	ug/l	99
67) Ethyl Benzene	11.51	91	413259	20.994	ug/l	99
68) m/p-Xylenes	11.62	106	303041	41.097	ug/l	99
69) o-Xylene	11.95	106	144749	20.313	ug/l	99
70) Styrene	11.96	104	235082	20.976	ug/l	99
71) Bromoform	12.13	173	70122	21.660	ug/l #	100
73) Isopropylbenzene	12.25	105	396746	21.130	ug/l	100
74) N-amyl acetate	12.07	43	169733	21.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	144323	22.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	137357m	23.373	ug/l	
77) Bromobenzene	12.53	156	99216	21.032	ug/l	100
78) n-propylbenzene	12.59	91	453503	21.094	ug/l	100
79) 2-Chlorotoluene	12.67	91	276050	20.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	331895	20.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47897	21.527	ug/l	98
82) 4-Chlorotoluene	12.77	91	279924	20.926	ug/l	99
83) tert-Butylbenzene	12.99	119	282848	20.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320723	20.835	ug/l	99
85) sec-Butylbenzene	13.17	105	373882	20.923	ug/l	99
86) p-Isopropyltoluene	13.29	119	325211	20.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	168200	20.821	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	164754	20.384	ug/l	98
89) n-Butylbenzene	13.62	91	266395	19.291	ug/l	100
90) Hexachloroethane	13.88	117	66516	20.995	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	170772	21.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29524	23.157	ug/l	98

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Instrument :
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ClientSampleId :
VN1114WBSD01

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	83828	19.374	ug/l	99
94) Hexachlorobutadiene	15.01	225	56109	20.478	ug/l	99
95) Naphthalene	15.13	128	231542	19.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	87486	19.645	ug/l	98

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

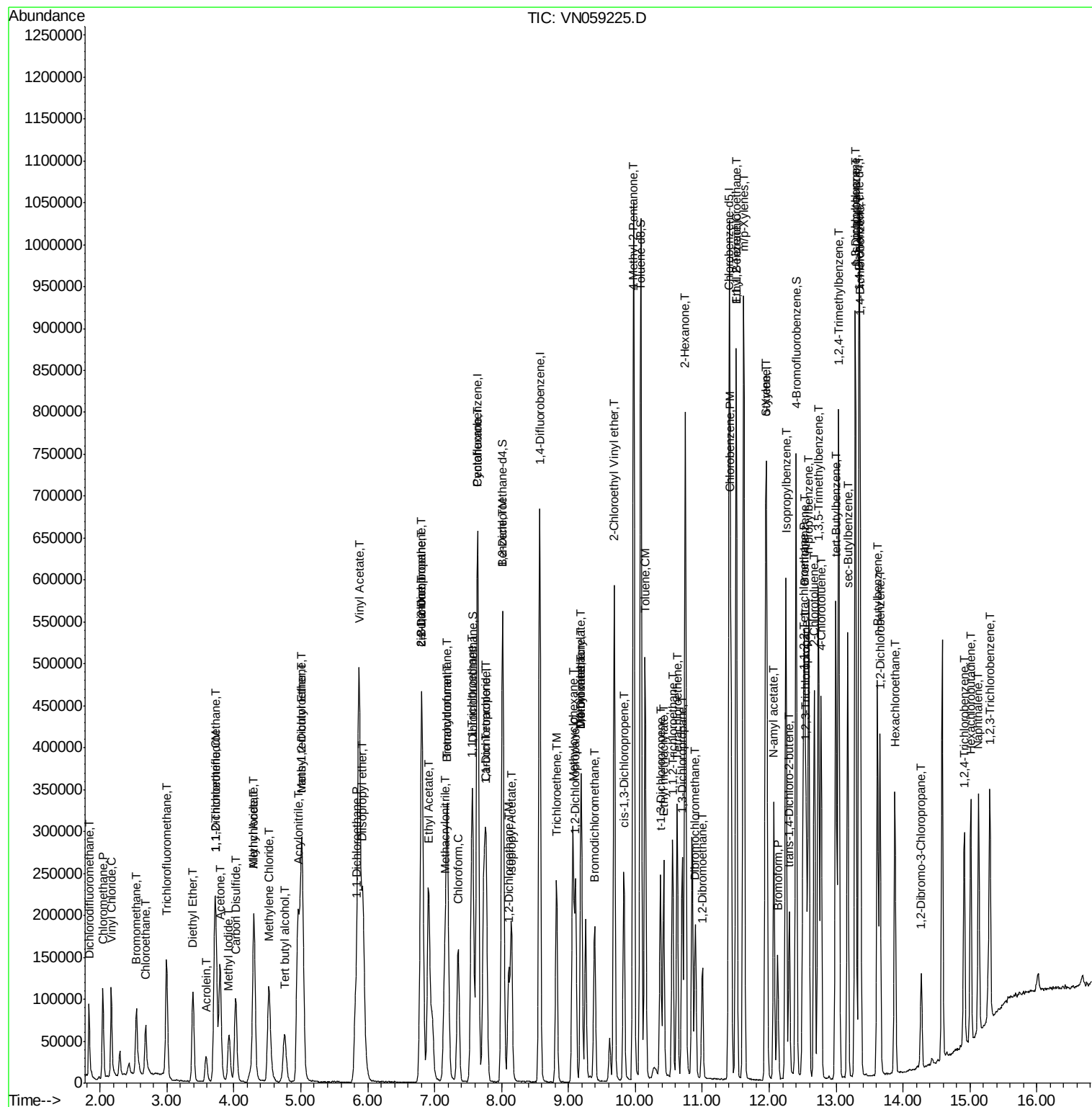
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 Data File : VN059225.D
 Acq On : 14 Nov 2019 12:03
 Operator : JC/SP
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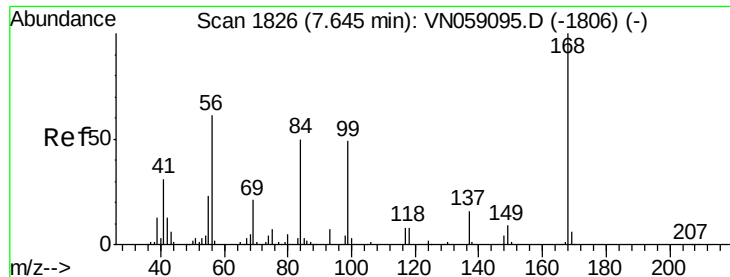
Instrument :
 MSVOA_N
 Client Sampled :
 VN1114WBSD01

Manual Integrations
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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: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion:168 Resp: 393161

Ion Ratio Lower Upper

168 100

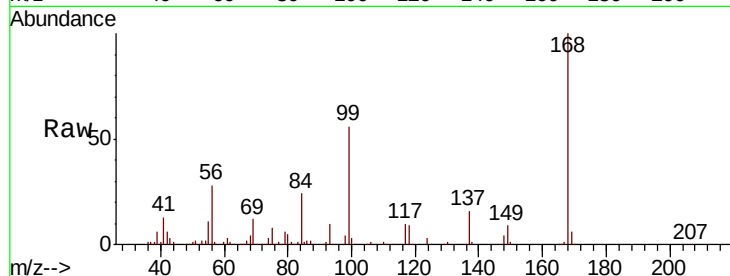
99 55.4 45.7 68.5

Manual Integrations

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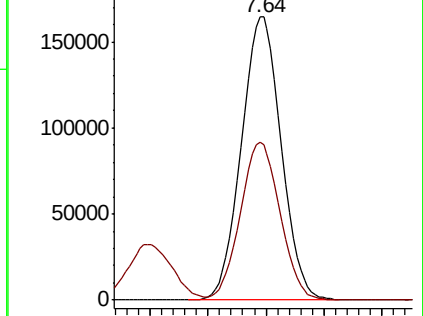
MMDadoda

11/15/2019 10:21:53 AM

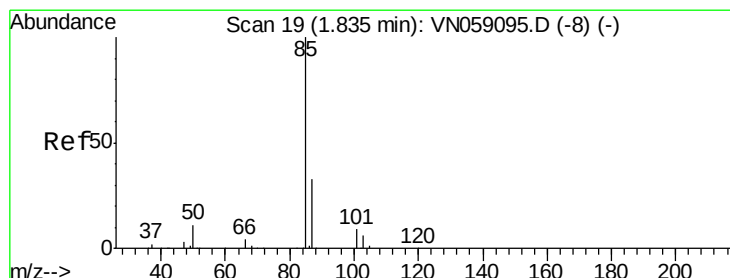
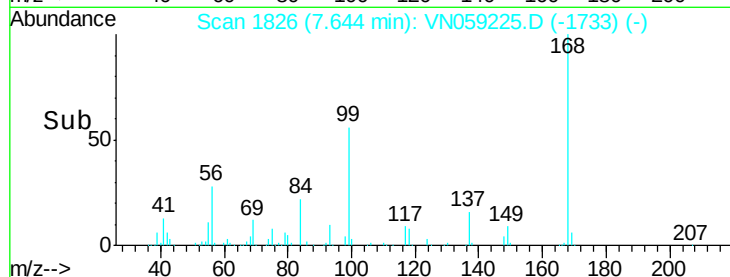


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 19.302 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059225.D

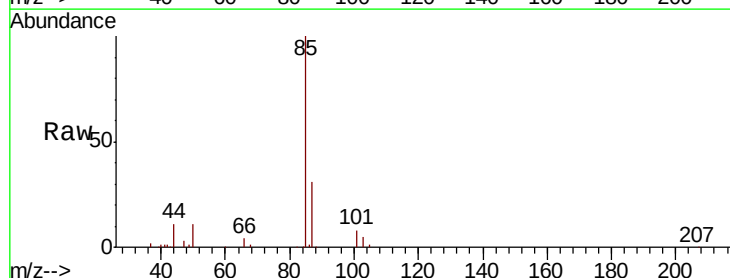
Acq: 14 Nov 2019 12:03

Tgt Ion: 85 Resp: 76462

Ion Ratio Lower Upper

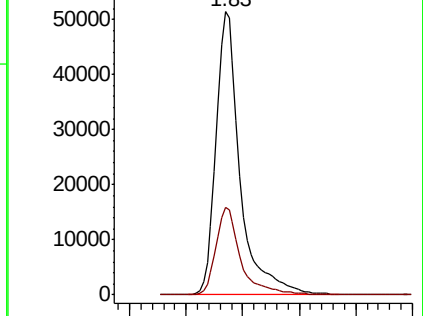
85 100

87 30.8 16.3 48.9

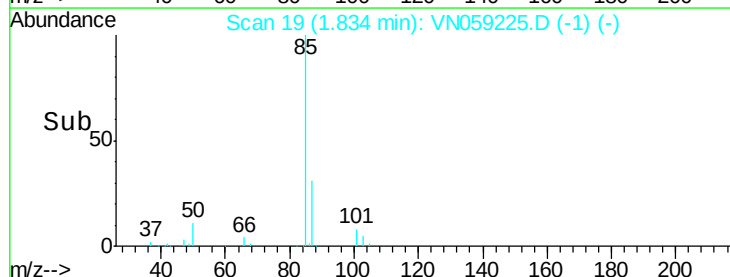


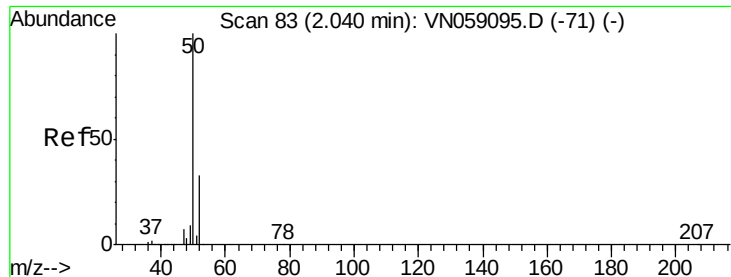
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 18.815 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 50 Resp: 101315

Ion Ratio Lower Upper

50 100

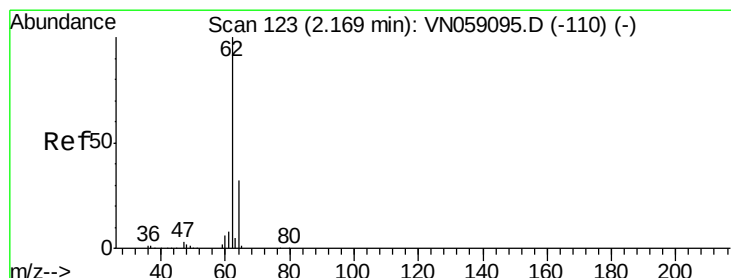
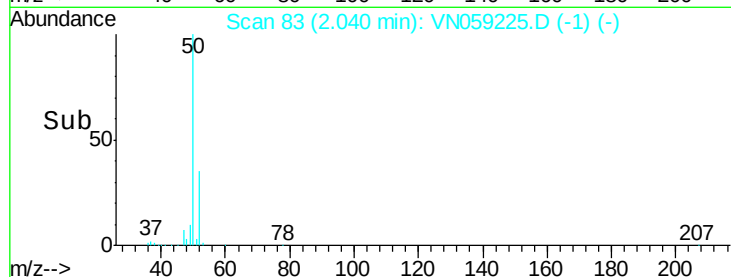
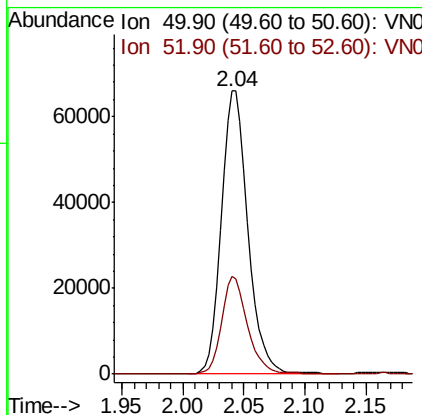
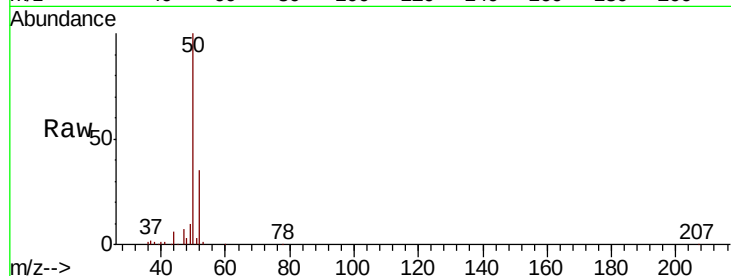
52 34.6 26.0 39.0

Manual Integrations

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11/15/2019 10:21:53 AM



#4

Vinyl Chloride

Concen: 19.686 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059225.D

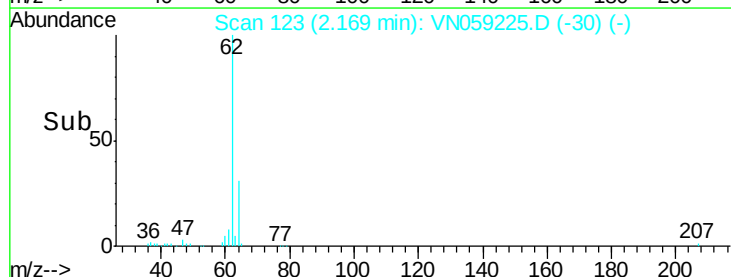
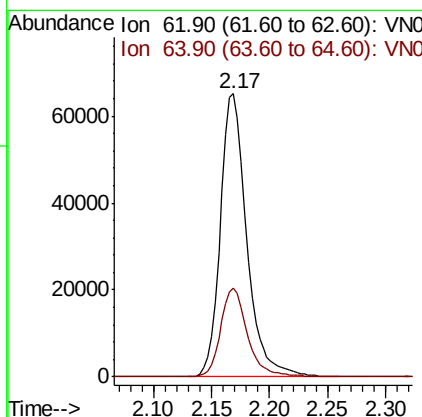
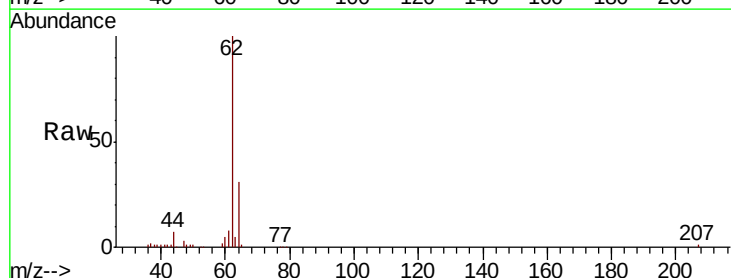
Acq: 14 Nov 2019 12:03

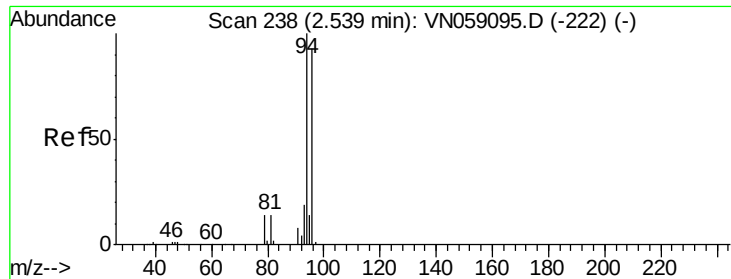
Tgt Ion: 62 Resp: 102770

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 20.342 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 94 Resp: 61111

Ion Ratio Lower Upper

94 100

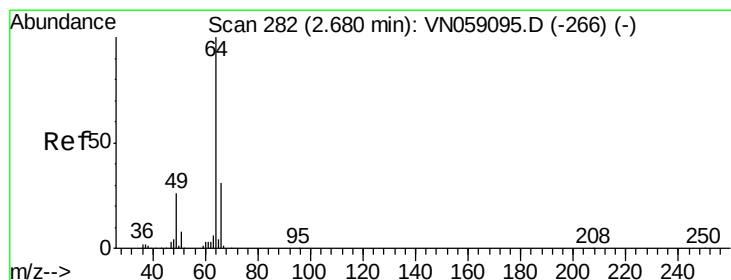
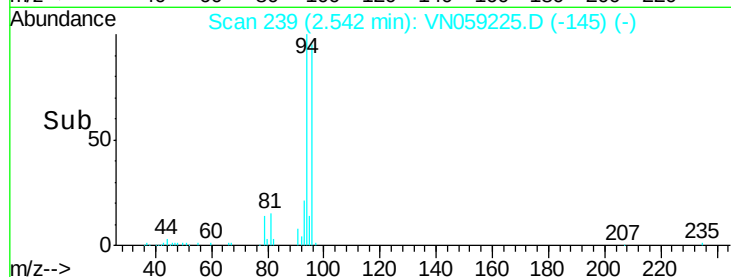
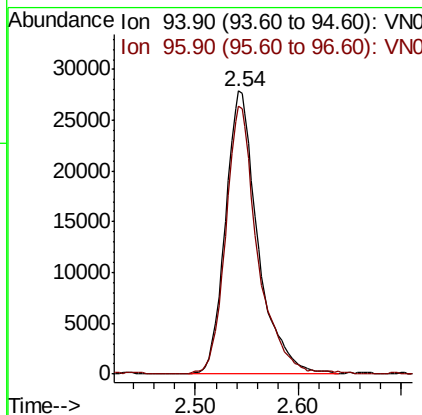
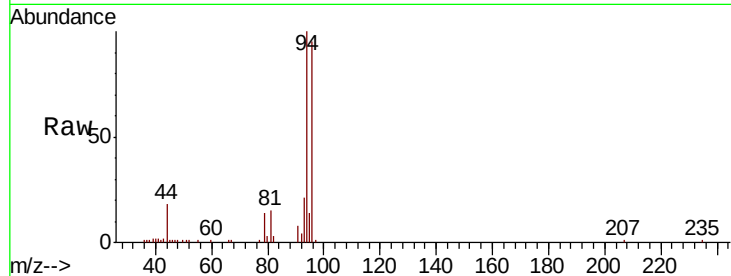
96 94.5 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.081 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059225.D

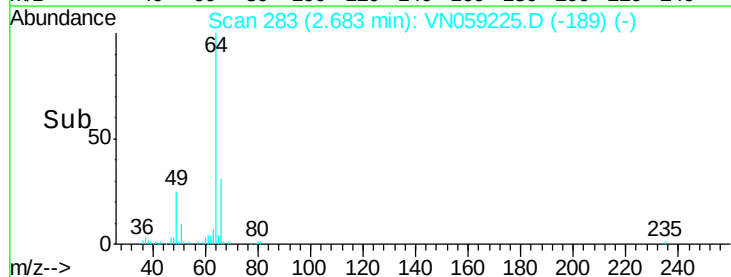
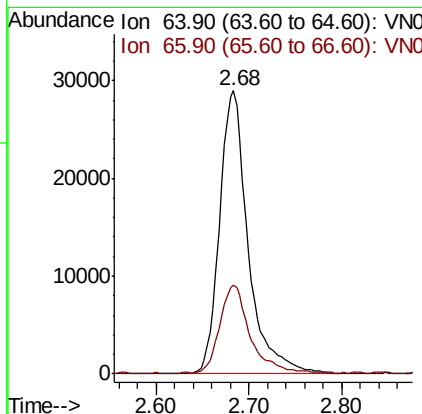
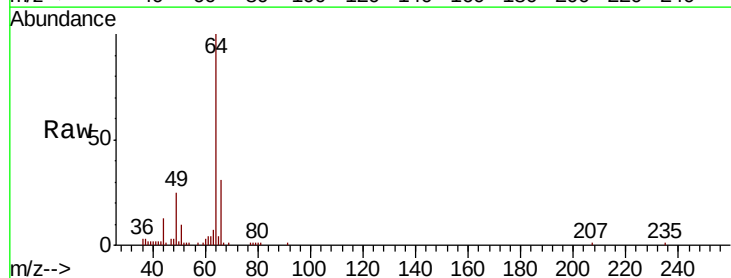
Acq: 14 Nov 2019 12:03

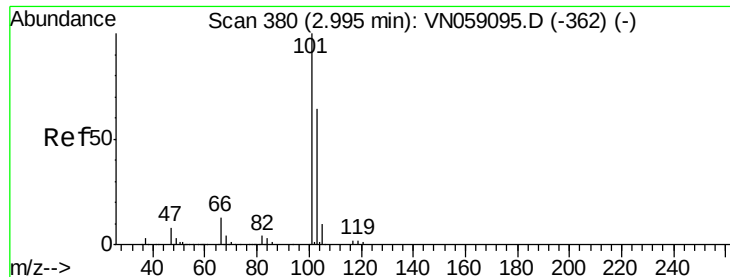
Tgt Ion: 64 Resp: 62014

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8





#7

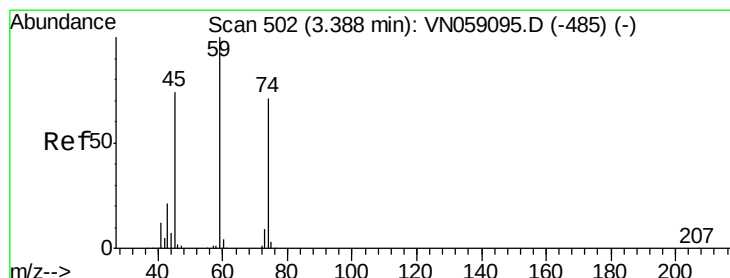
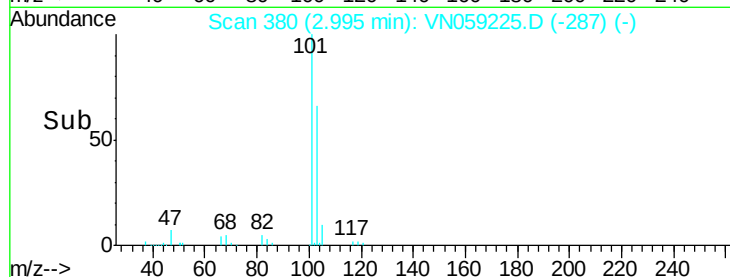
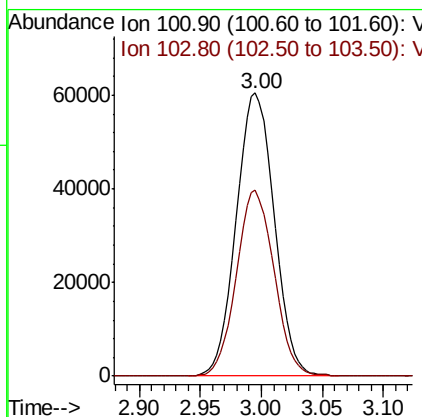
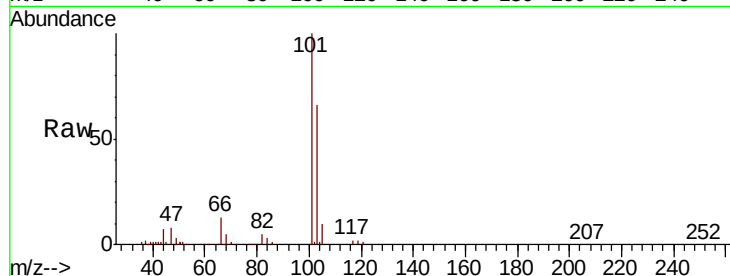
Trichlorofluoromethane
 Concen: 20.904 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
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 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.2	76.8

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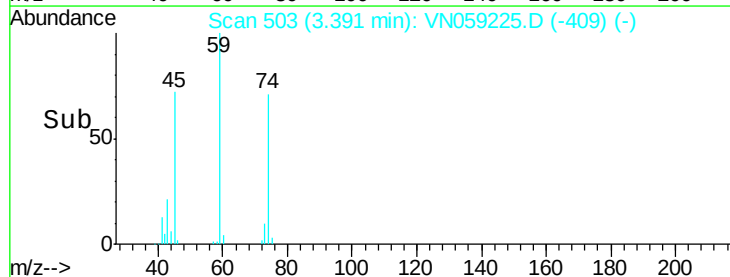
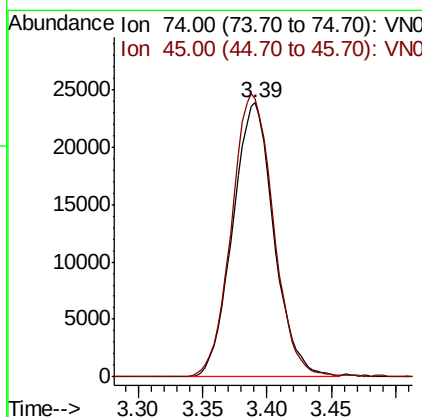
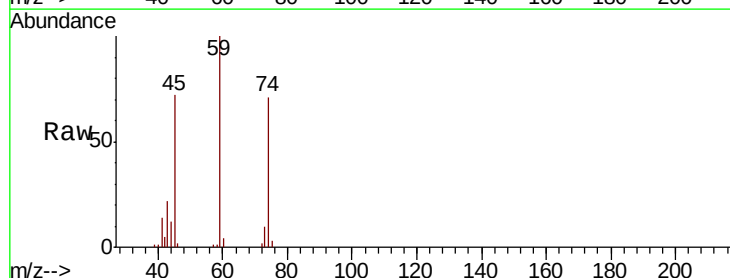
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 11/15/2019 10:21:53 AM

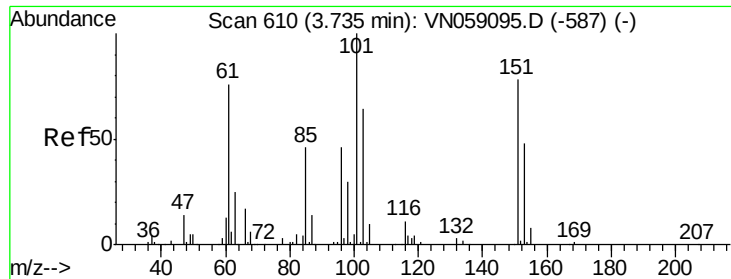


#8

Diethyl Ether
 Concen: 20.853 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.1	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.277 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

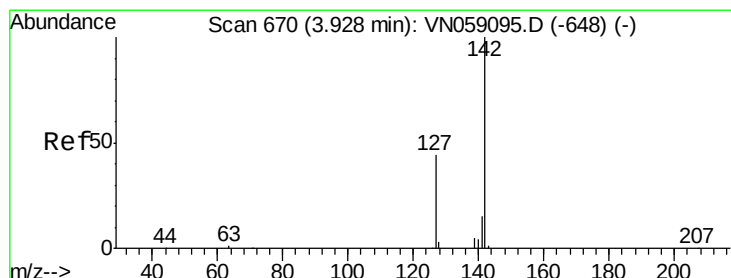
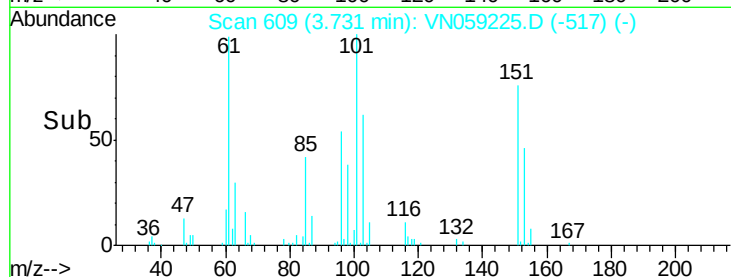
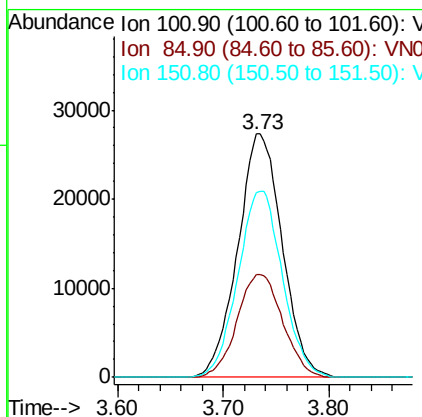
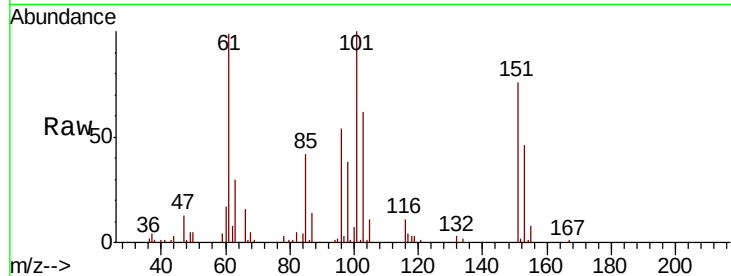
ClientSampleId :

VN1114WBSD01

Tot Ion:	101	Resp:	80109
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.5	53.3
151	76.5	62.2	93.2

Manual Integrations
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11/15/2019 10:21:53 AM



#10

Methyl Iodide

Concen: 20.072 ug/l

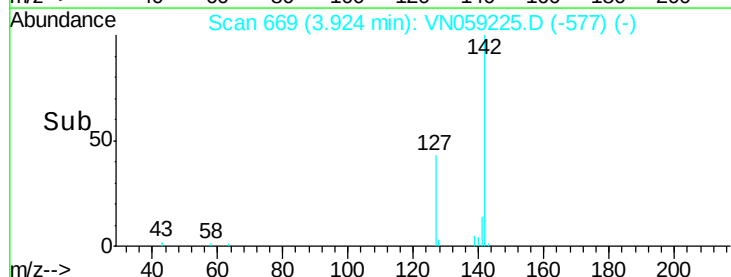
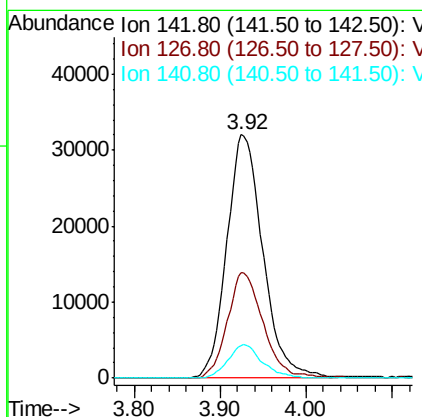
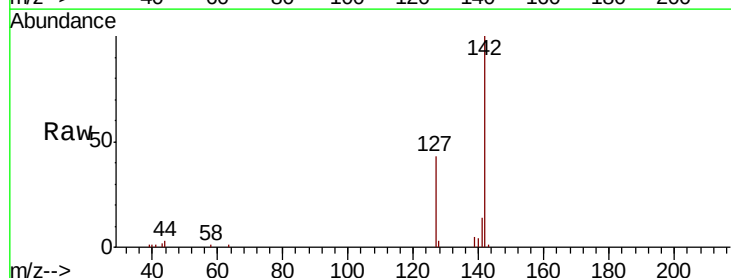
RT: 3.92 min Scan# 669

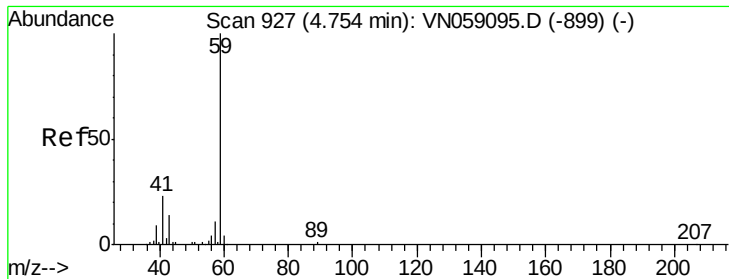
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	142	Resp:	93543
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	13.0	11.4	17.0





#11

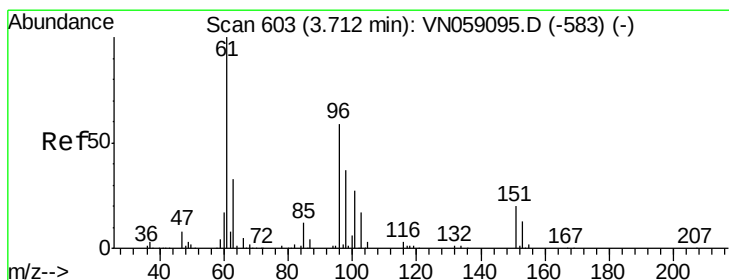
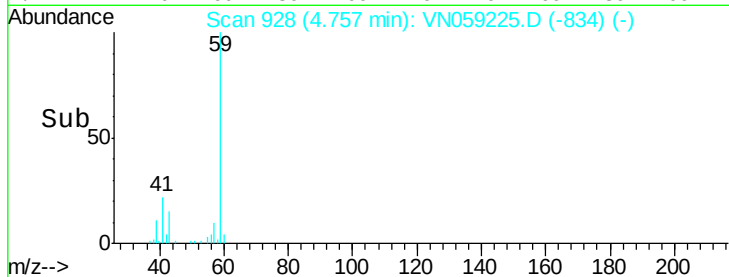
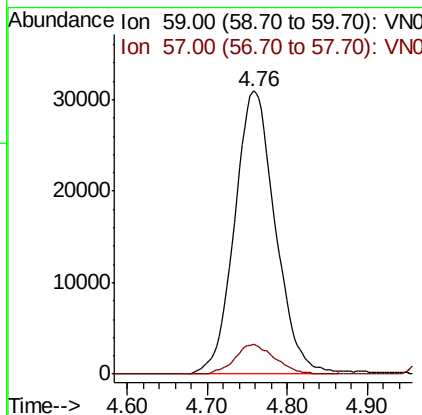
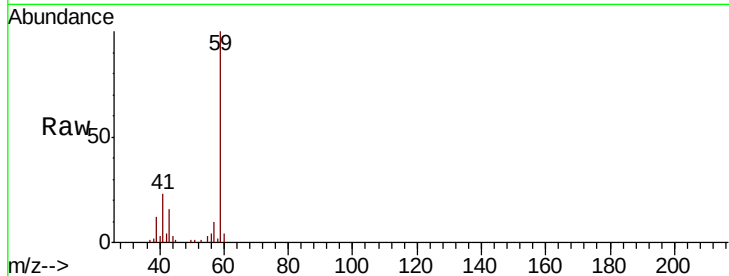
Tert butyl alcohol
 Concen: 116.251 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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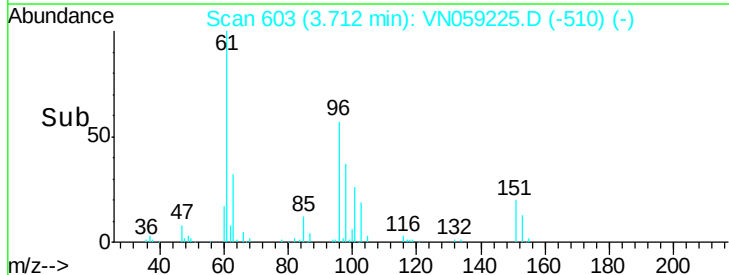
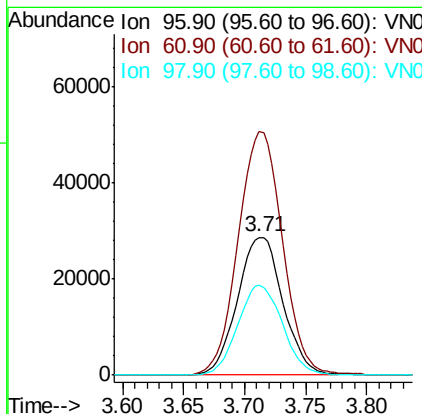
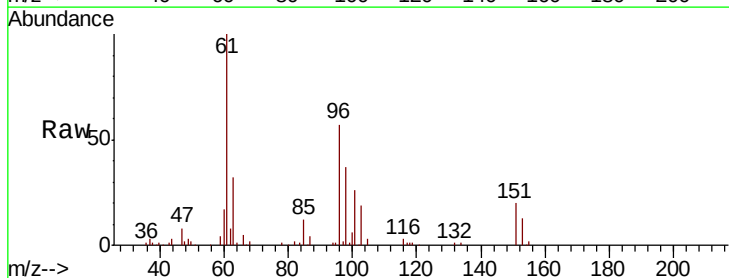
MMDadoda
 11/15/2019 10:21:53 AM

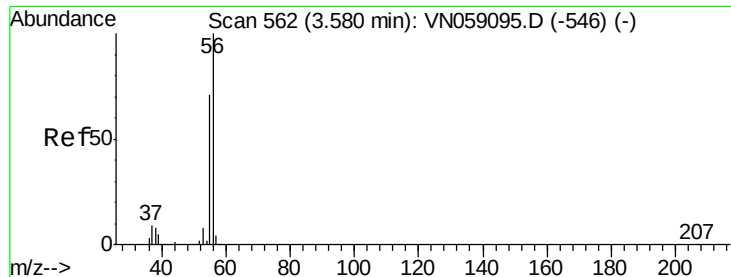


#12

1,1-Dichloroethene
 Concen: 20.150 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.5	136.5	204.7
98	65.1	50.2	75.4





#13

Acrolein

Concen: 71.507 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 56 Resp: 33957

Ion Ratio Lower Upper

56 100

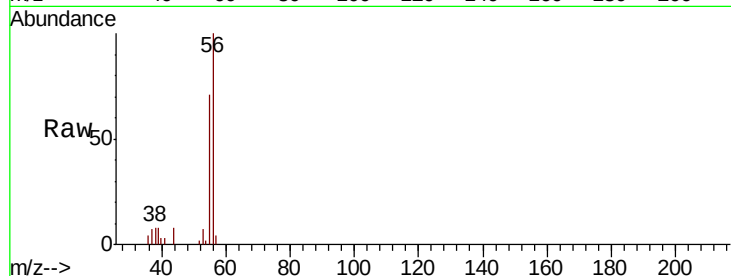
55 75.1 56.4 84.6

Manual Integrations

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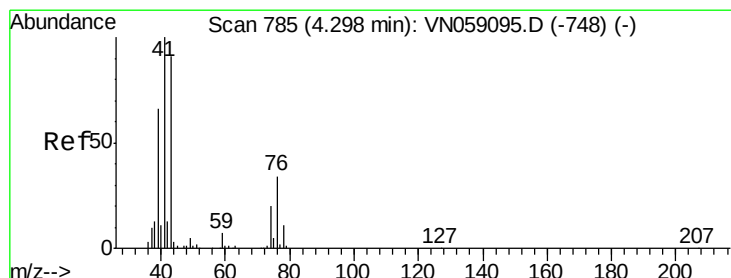
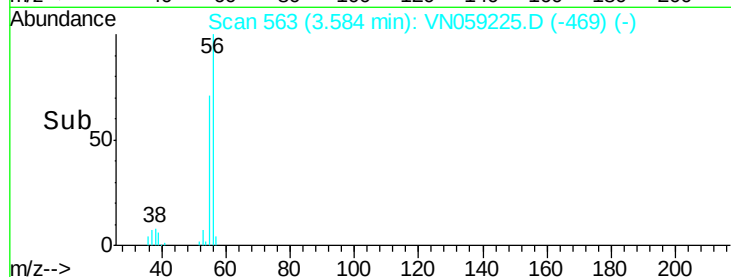
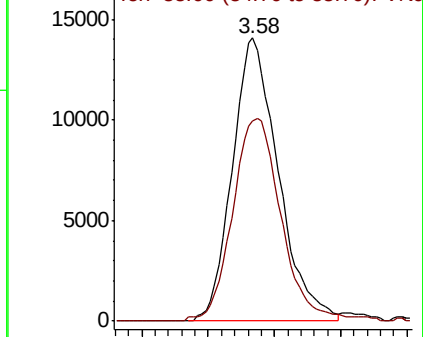
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.113 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

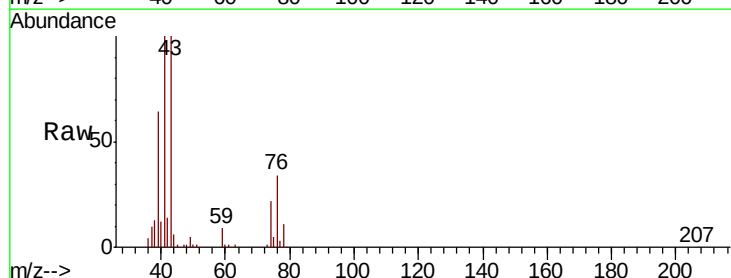
Tgt Ion: 41 Resp: 151526

Ion Ratio Lower Upper

41 100

39 60.7 49.1 73.7

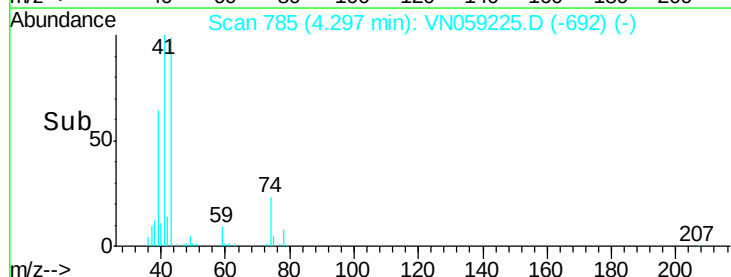
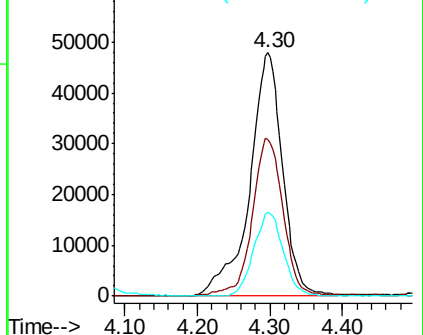
76 30.7 24.9 37.3

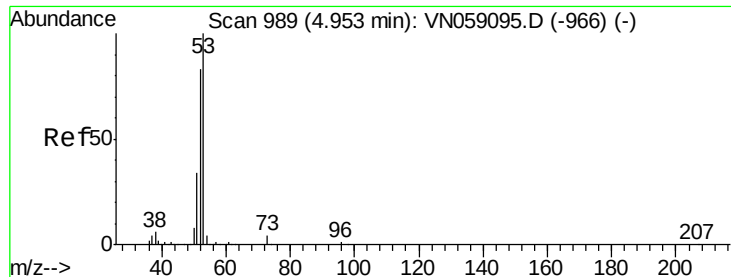


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 116.893 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

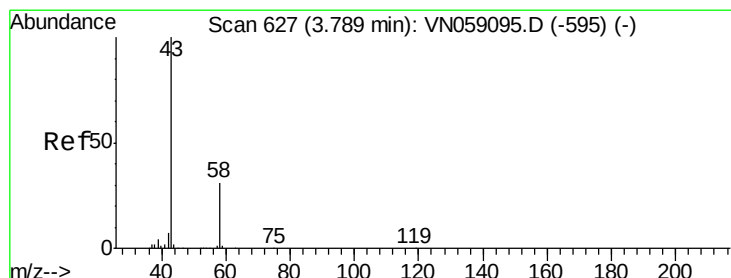
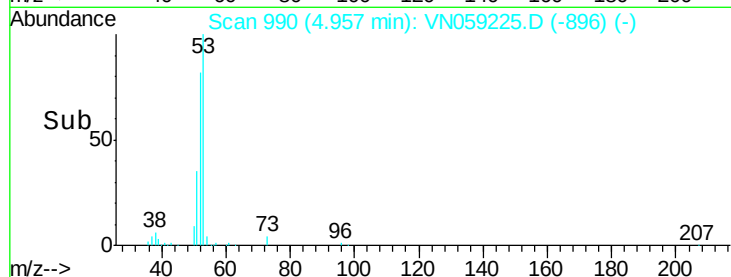
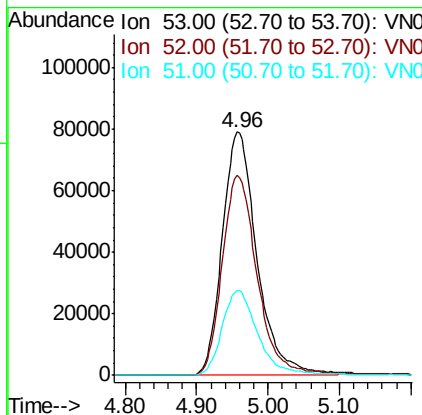
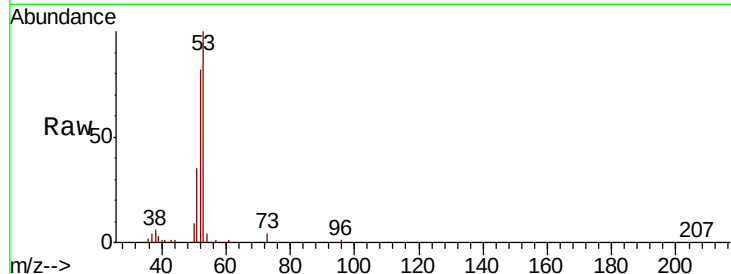
ClientSampleId :

VN1114WBSD01

Tot Ion:	53	Resp:	267941
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.0	97.6
51	36.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 89.583 ug/l

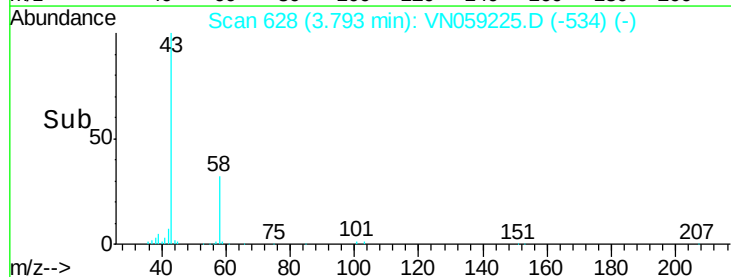
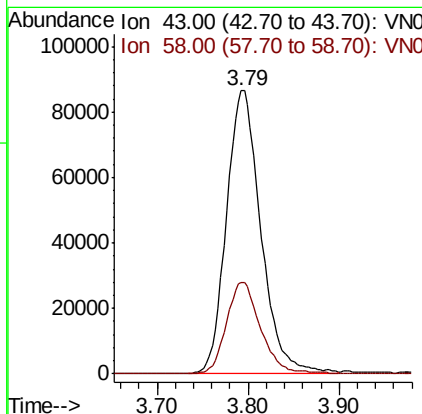
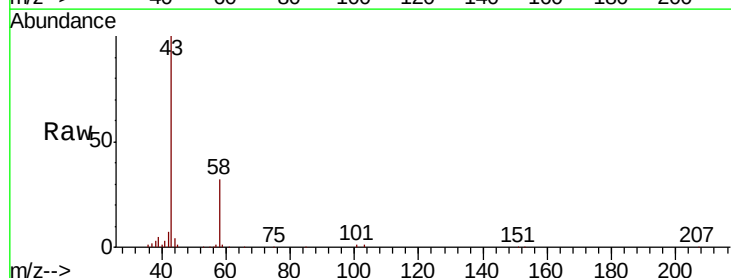
RT: 3.79 min Scan# 628

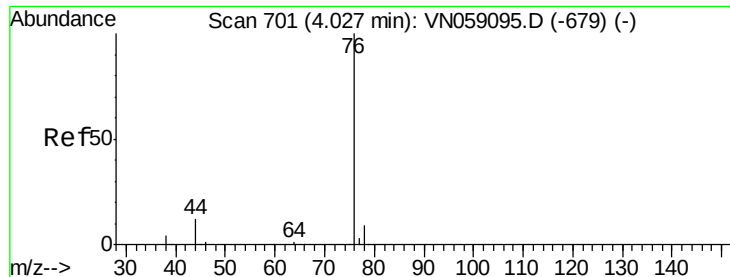
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	43	Resp:	225142
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.9	37.3





#17

Carbon Disulfide

Concen: 17.699 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 76 Resp: 201503

Ion Ratio Lower Upper

76 100

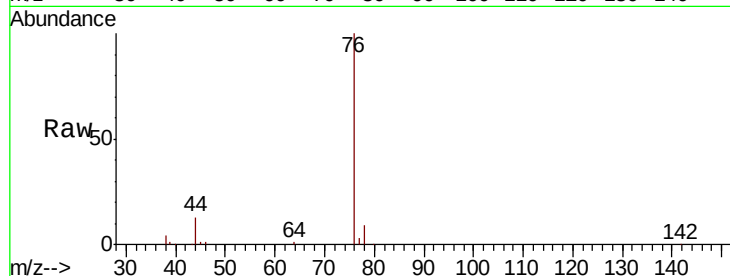
78 9.1 7.4 11.0

Manual Integrations

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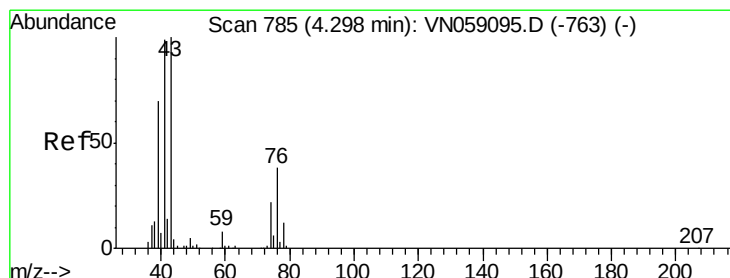
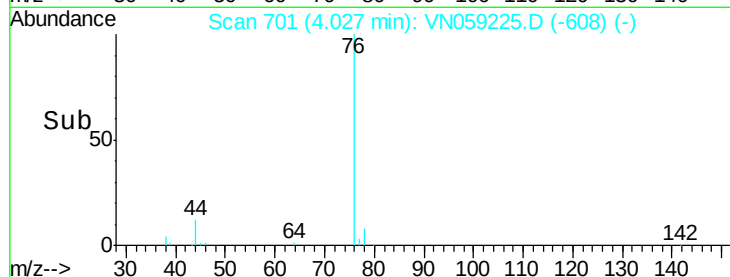
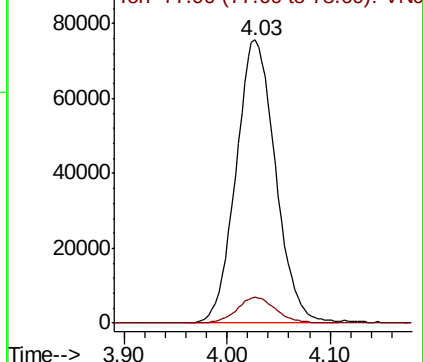
MMDadoda

11/15/2019 10:21:53 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.530 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059225.D

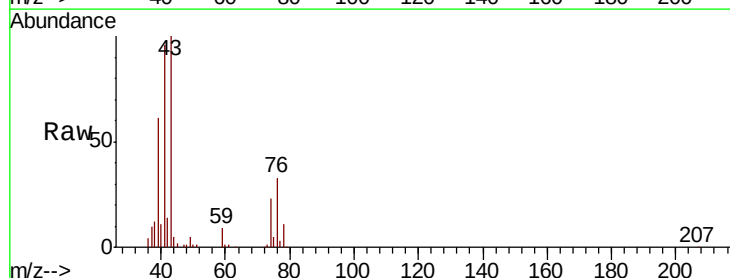
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 140368

Ion Ratio Lower Upper

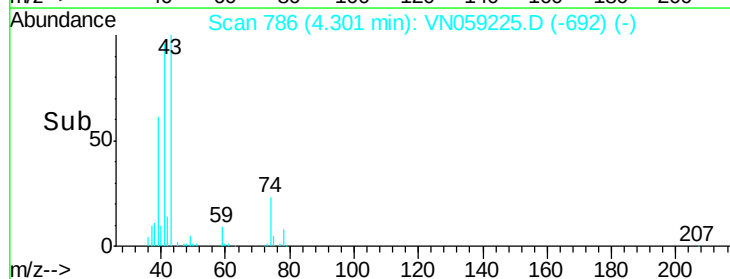
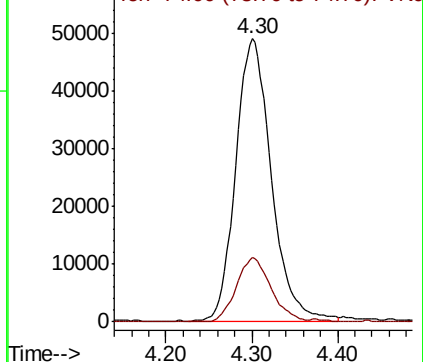
43 100

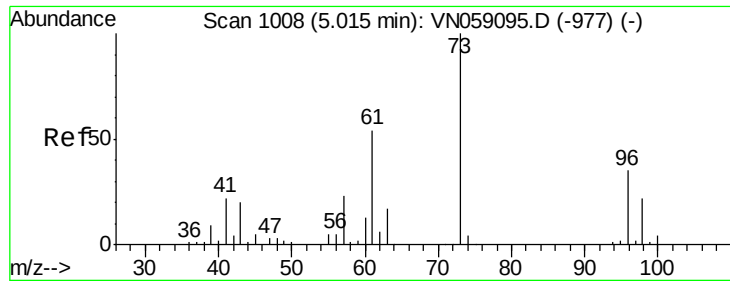
74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





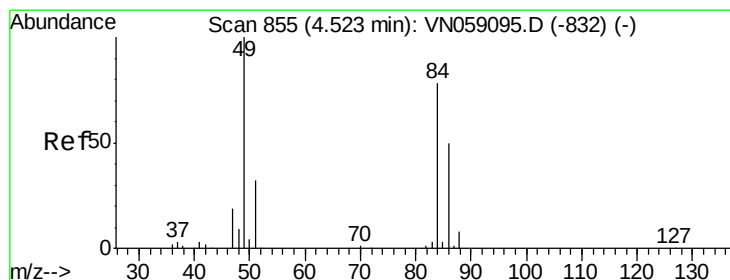
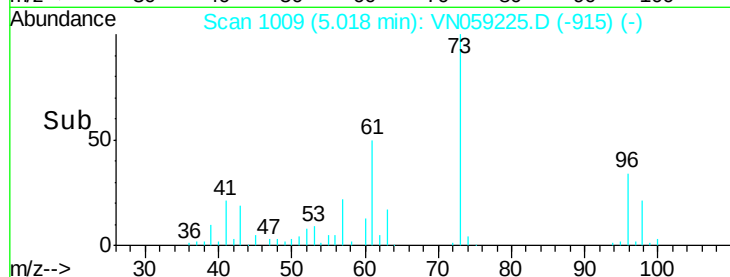
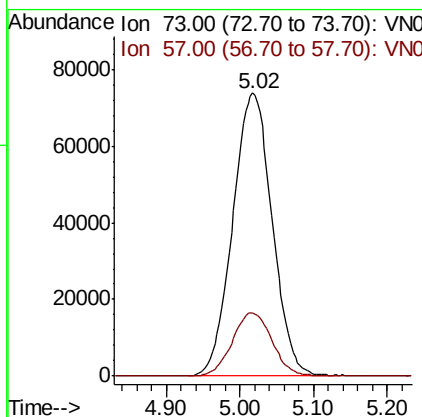
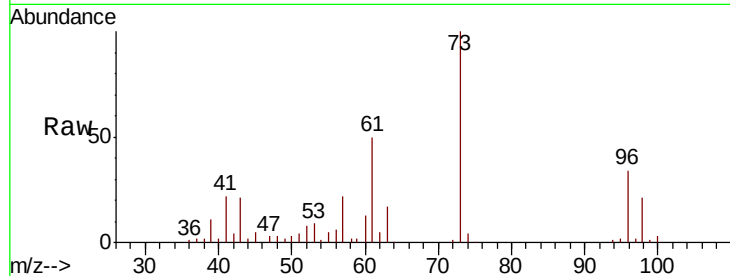
#19
Methyl tert-butyl Ether
Concen: 21.739 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion: 73 Resp: 274494
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6

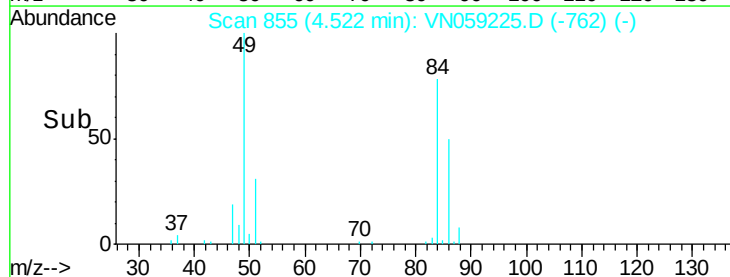
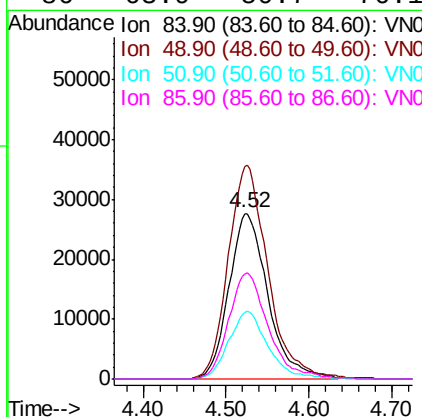
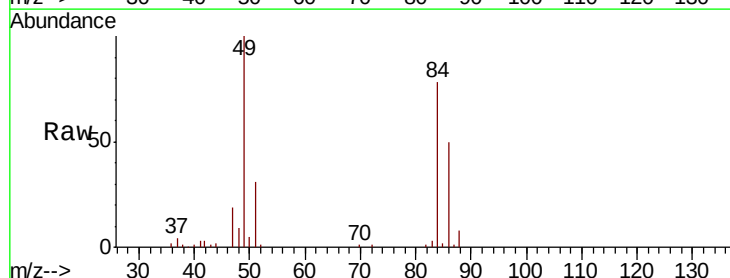
Manual Integrations
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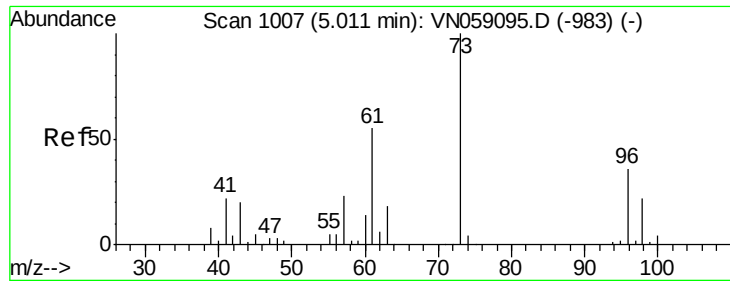
MMDadoda
11/15/2019 10:21:53 AM



#20
Methylene Chloride
Concen: 20.636 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 84 Resp: 90354
Ion Ratio Lower Upper
84 100
49 128.3 102.0 153.0
51 40.1 32.2 48.2
86 63.9 50.7 76.1





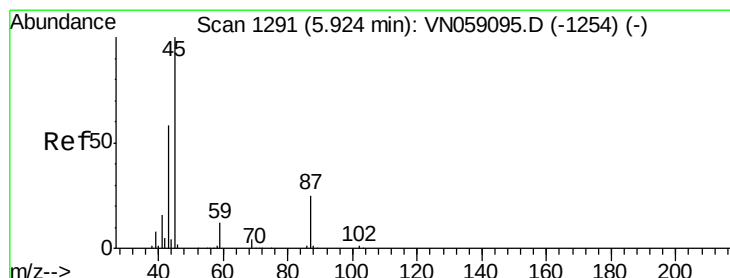
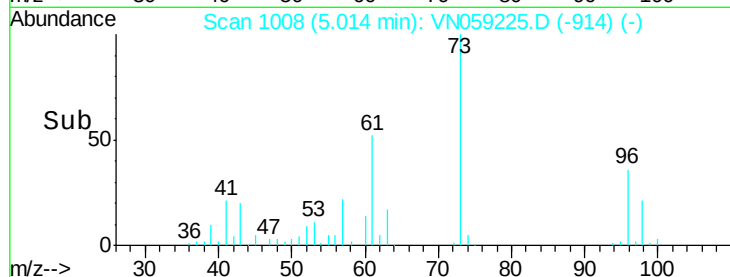
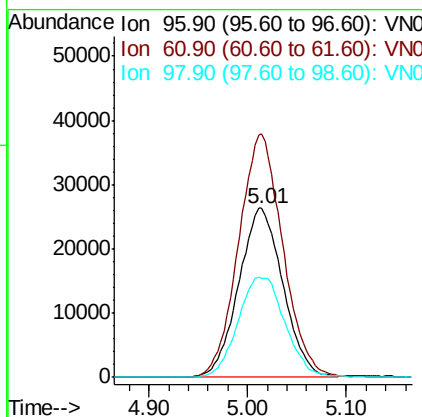
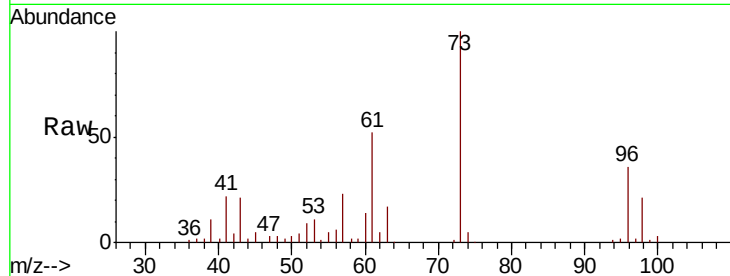
#21
trans-1,2-Dichloroethene
Concen: 20.795 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.1	122.6	183.8
98	58.9	50.3	75.5

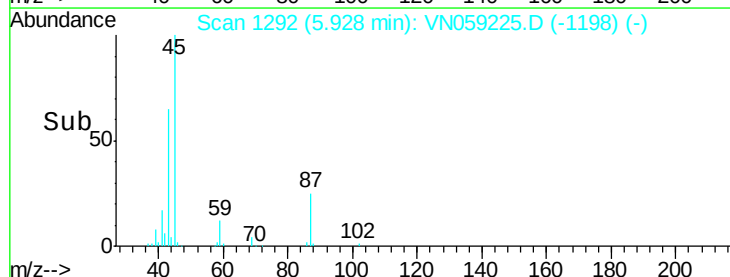
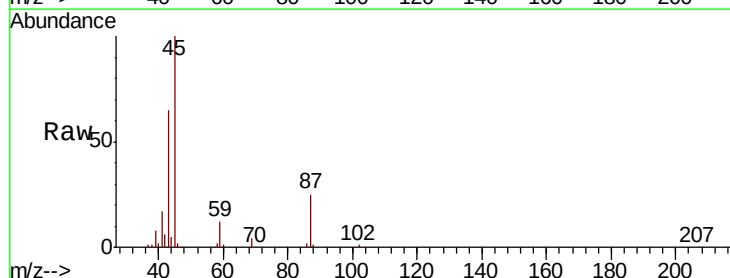
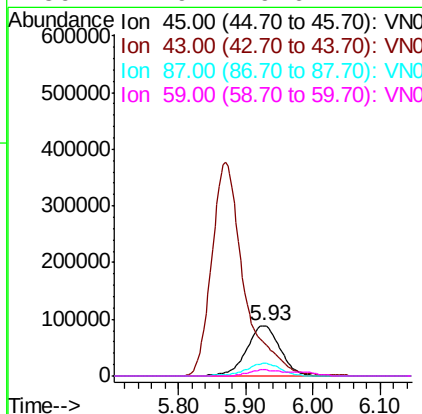
Manual Integrations
APPROVED

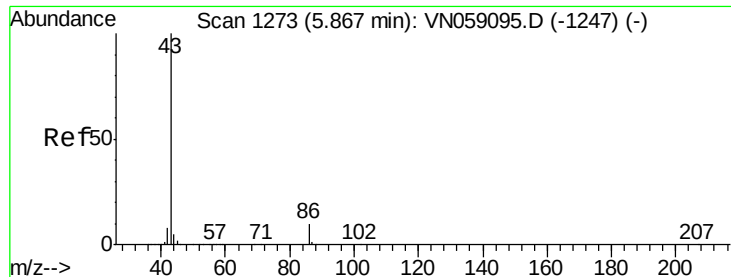
MMDadoda
11/15/2019 10:21:53 AM



#22
Diisopropyl ether
Concen: 21.524 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.6	46.7	70.1
87	24.6	20.5	30.7
59	11.9	9.6	14.4





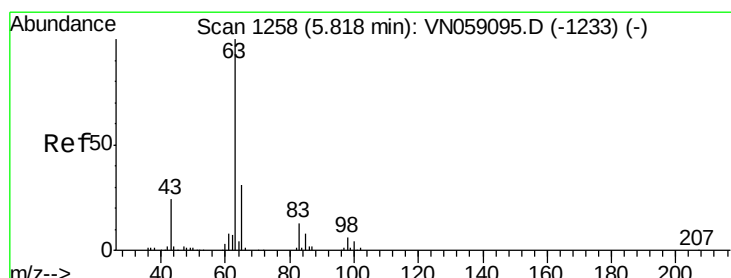
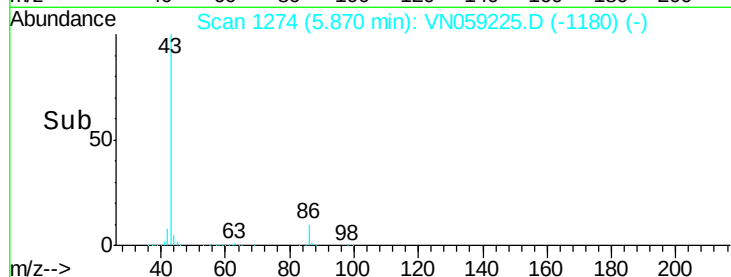
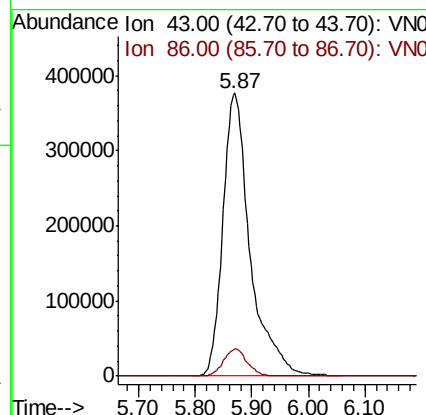
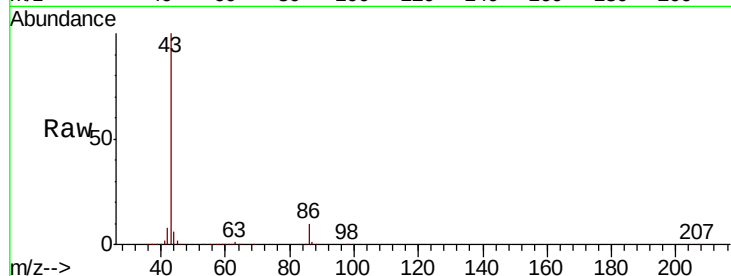
#23
 Vinyl Acetate
 Concen: 114.601 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion: 43 Resp: 1263878
 Ion Ratio Lower Upper
 43 100
 86 9.7 7.7 11.5

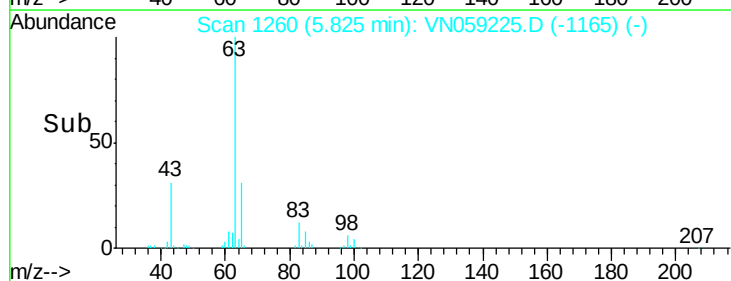
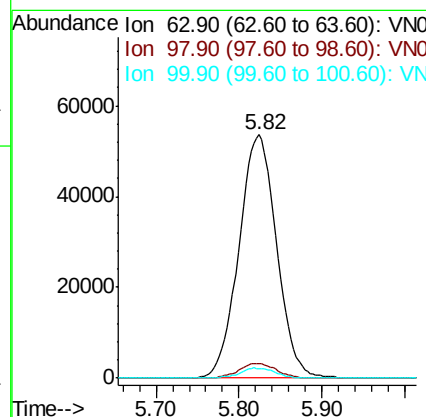
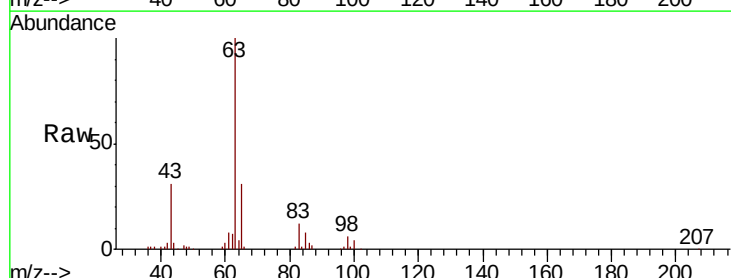
Manual Integrations
 APPROVED

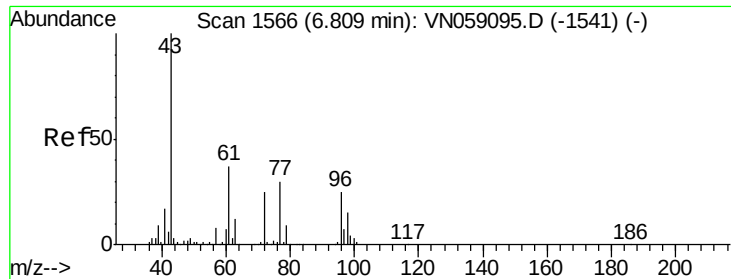
MMDadoda
 11/15/2019 10:21:53 AM



#24
 1,1-Dichloroethane
 Concen: 21.254 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 63 Resp: 168921
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 108.486 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 43 Resp: 359339

Ion Ratio Lower Upper

43 100

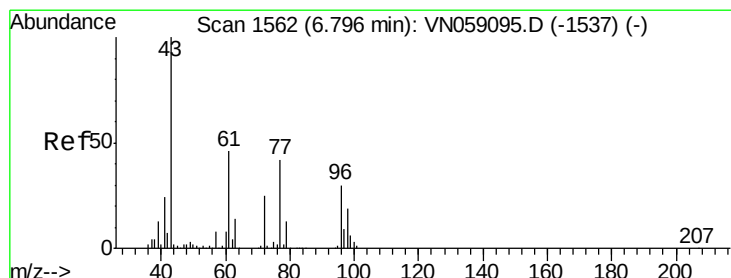
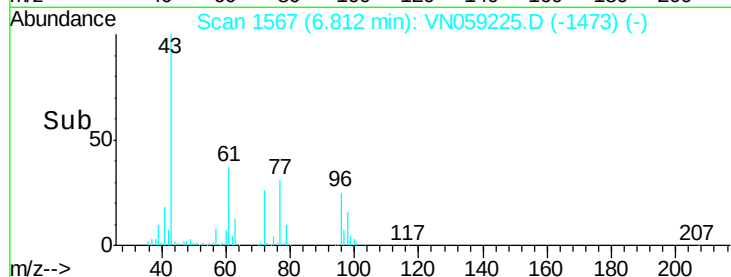
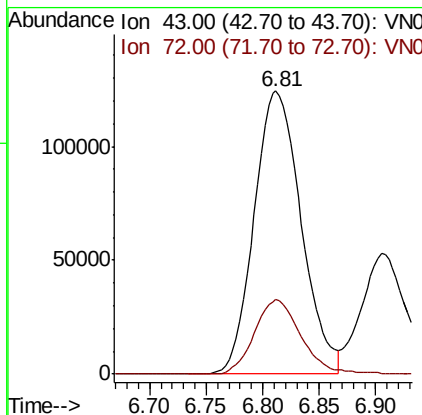
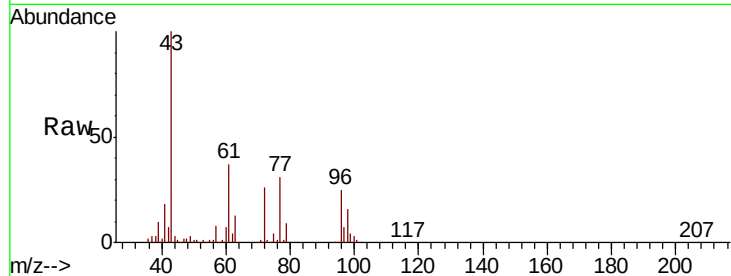
72 26.2 20.3 30.5

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.357 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN059225.D

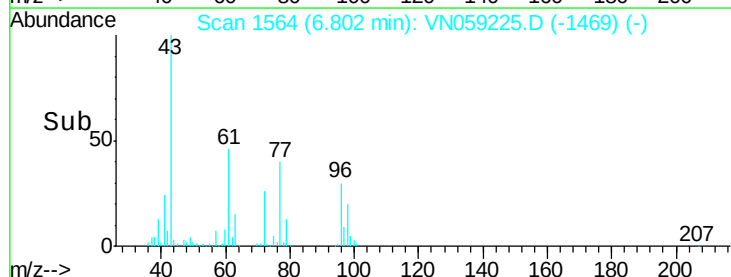
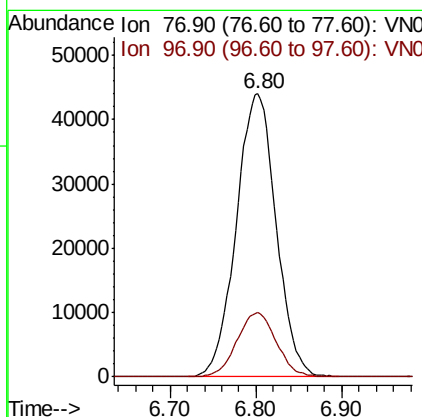
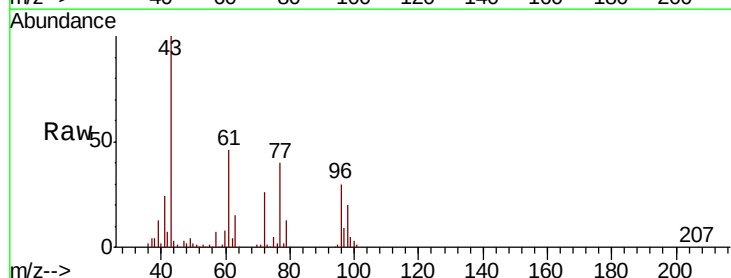
Acq: 14 Nov 2019 12:03

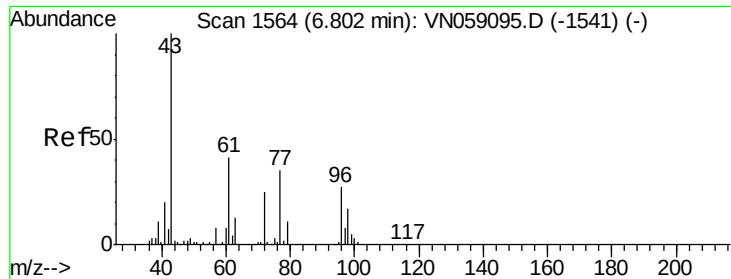
Tgt Ion: 77 Resp: 141473

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.268 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

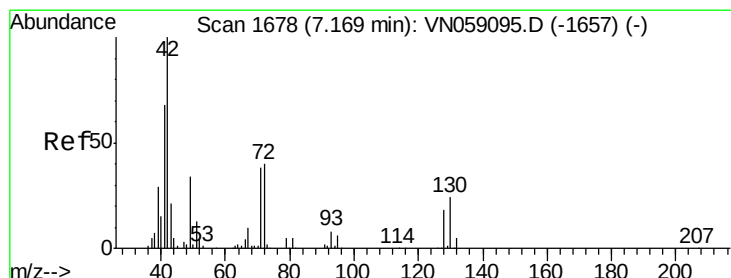
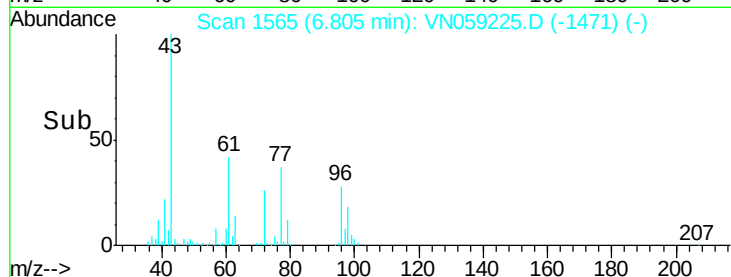
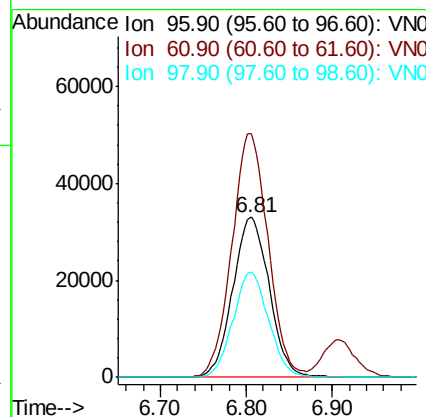
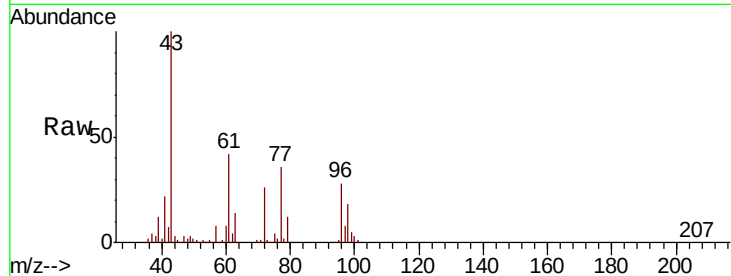
ClientSampleId :

VN1114WBSD01

Tot Ion:	96	Resp:	97136
Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	311.6
98	64.1	0.0	129.8

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#28

Bromochloromethane

Concen: 20.757 ug/l

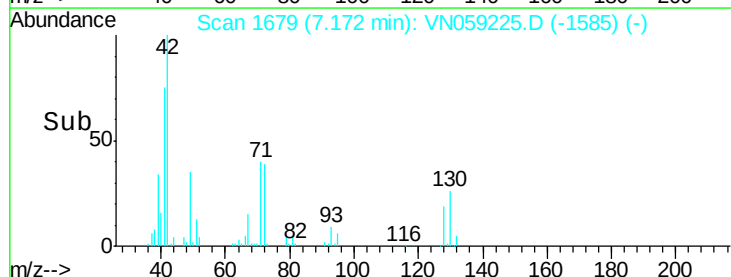
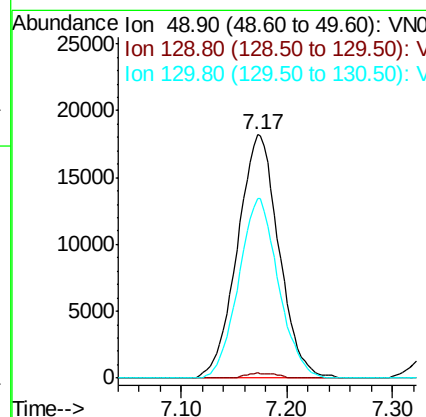
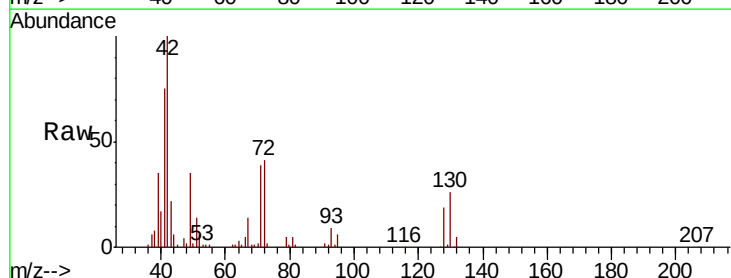
RT: 7.17 min Scan# 1679

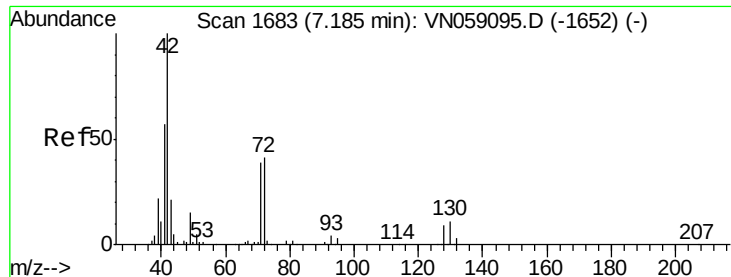
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	49	Resp:	49634
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	70.8	55.6	83.4





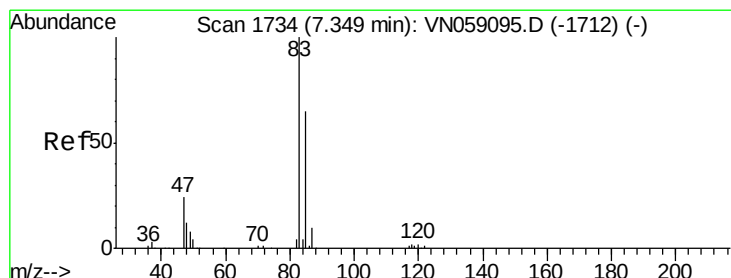
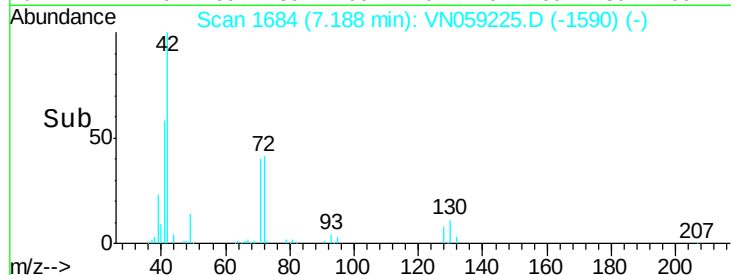
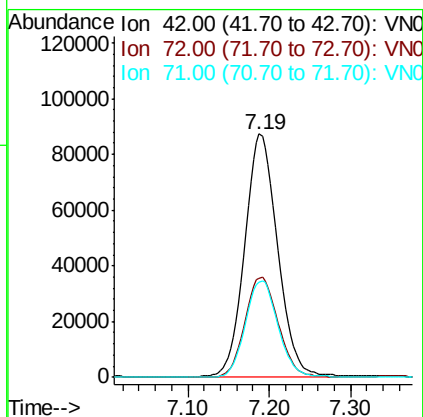
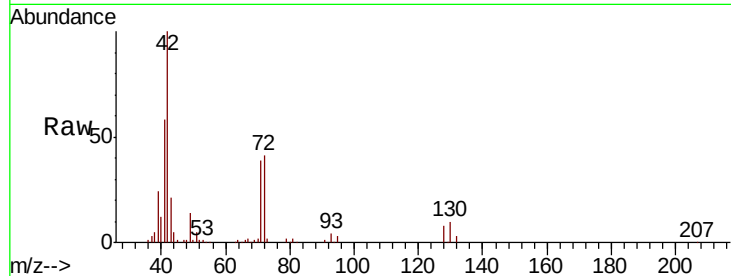
#29
Tetrahydrofuran
Concen: 115.865 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.5	30.9	46.3

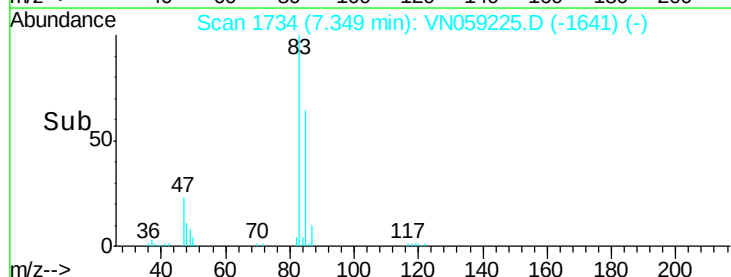
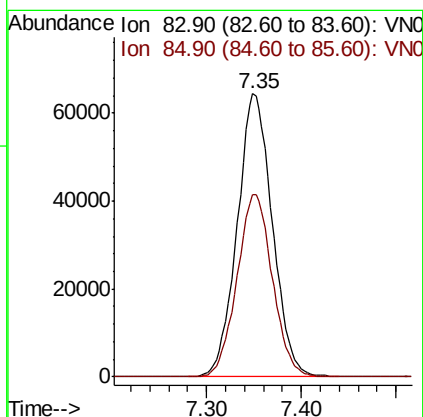
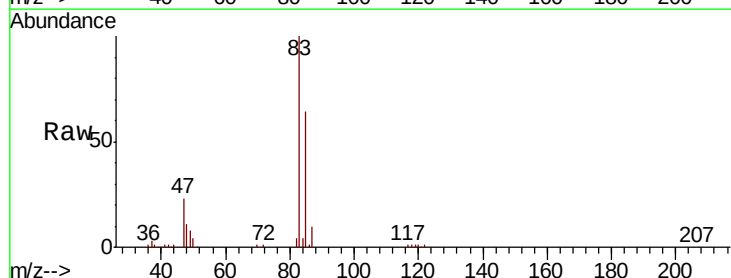
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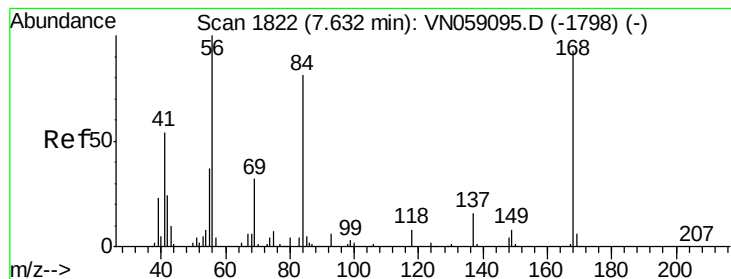
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#30
Chloroform
Concen: 21.793 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8





#31

Cyclohexane

Concen: 19.098 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 56 Resp: 143696

Ion Ratio Lower Upper

56 100

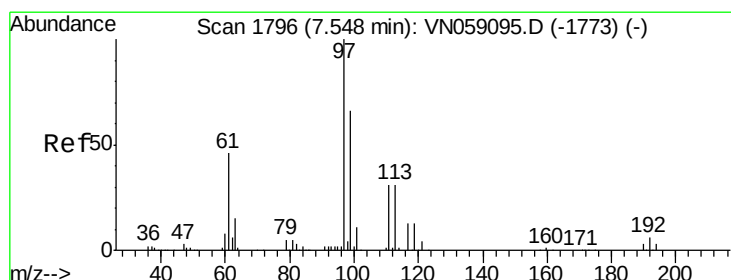
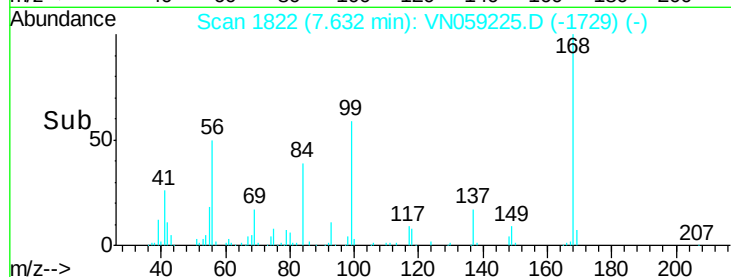
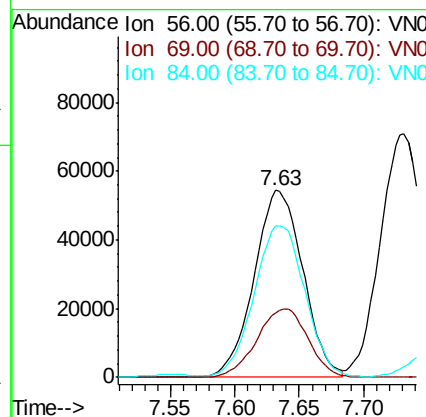
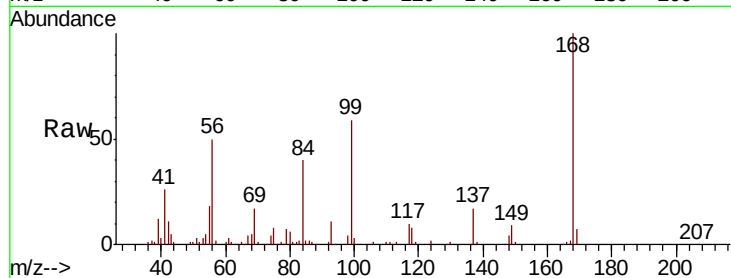
69 34.7 25.8 38.8

84 79.8 65.0 97.4

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#32

1,1,1-Trichloroethane

Concen: 21.483 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

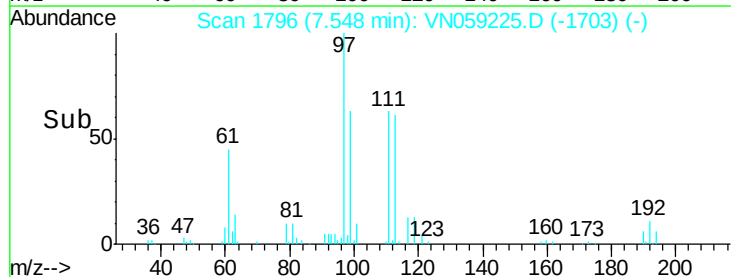
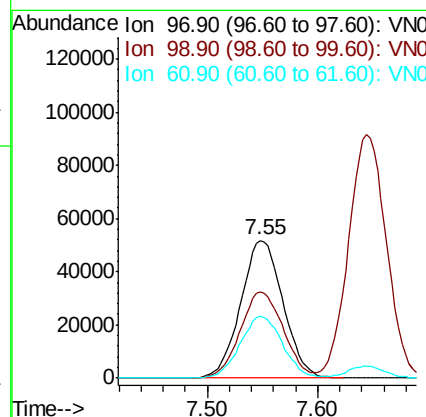
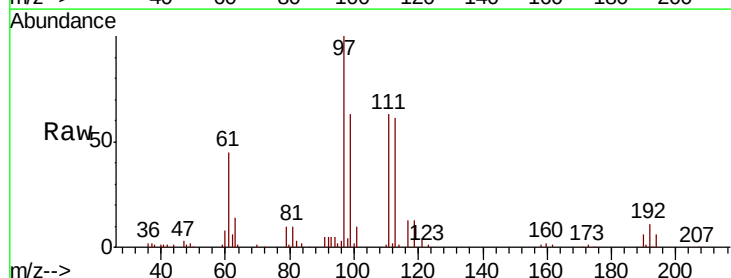
Tgt Ion: 97 Resp: 137704

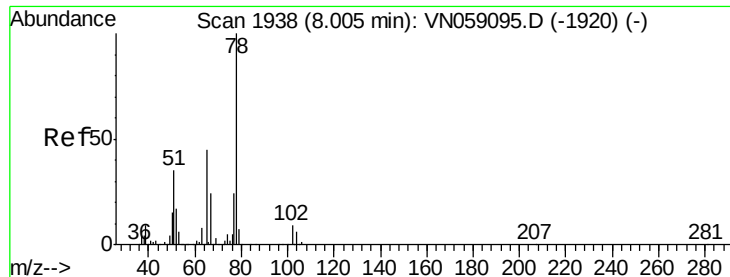
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.6

61 44.9 35.8 53.8





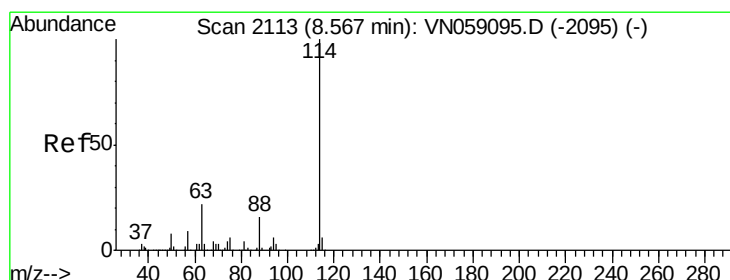
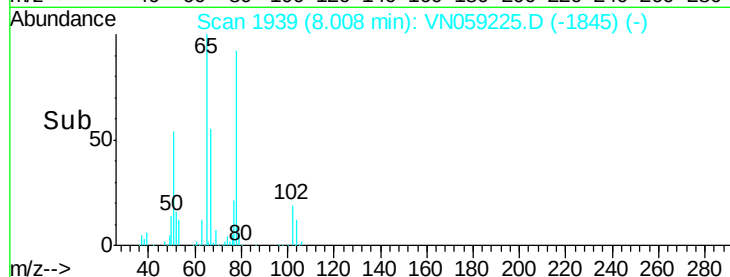
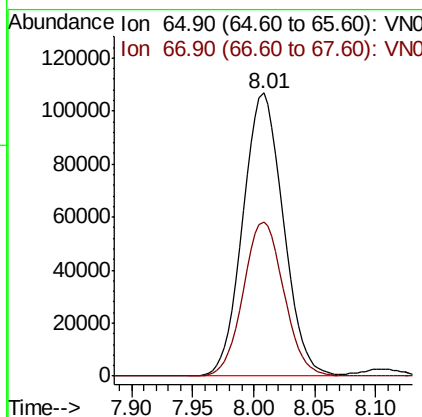
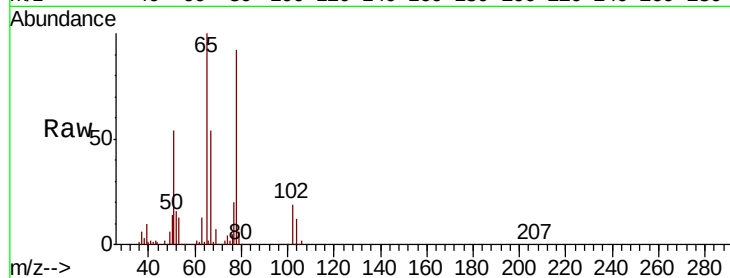
#33
 1,2-Dichloroethane-d4
 Concen: 50.769 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	107.4	

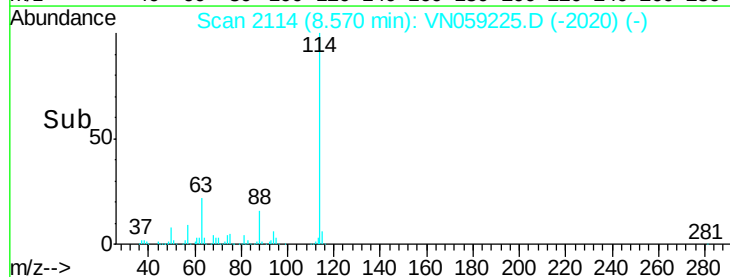
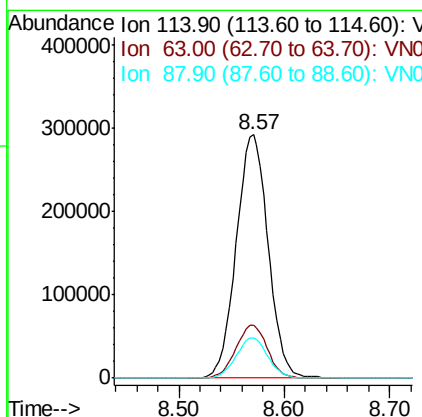
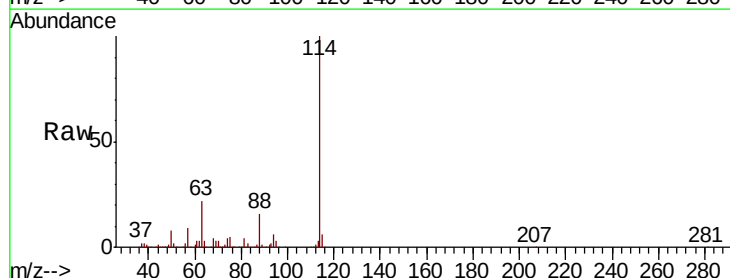
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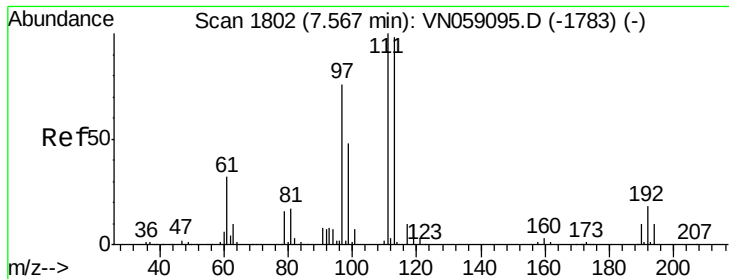
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.4	
88	16.3	0.0	32.2	





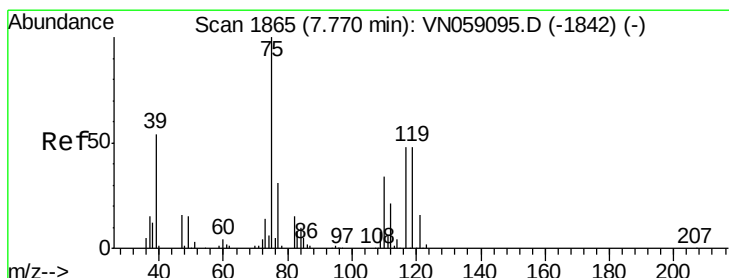
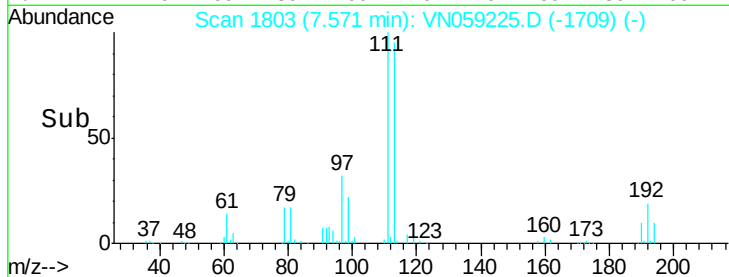
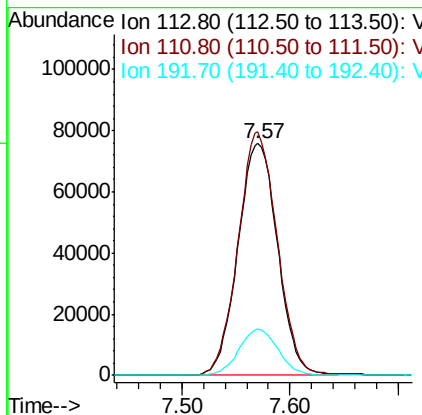
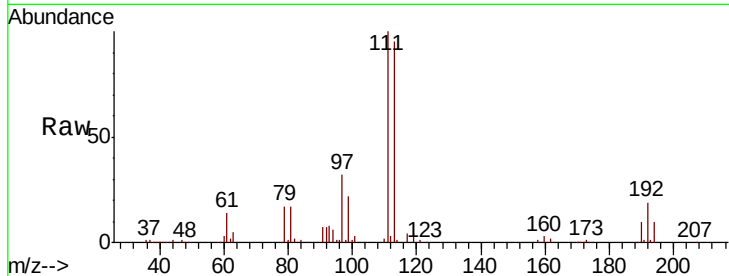
#35
Dibromofluoromethane
Concen: 53.075 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	193956		
111	104.1	82.8	124.2	
192	19.7	16.1	24.1	

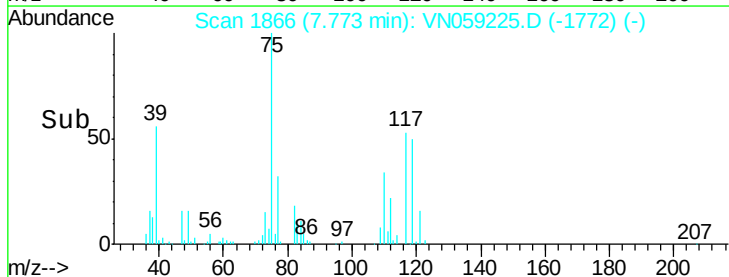
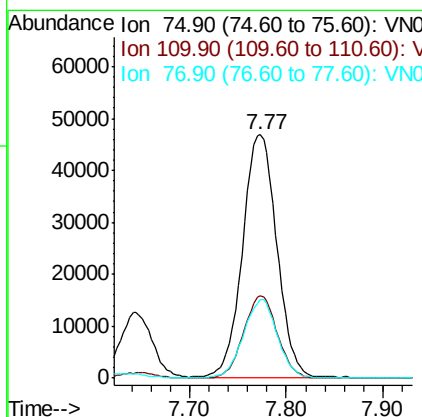
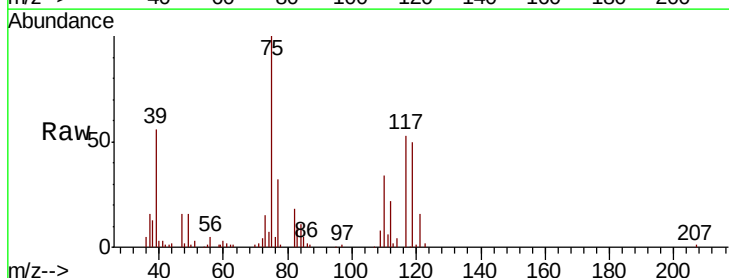
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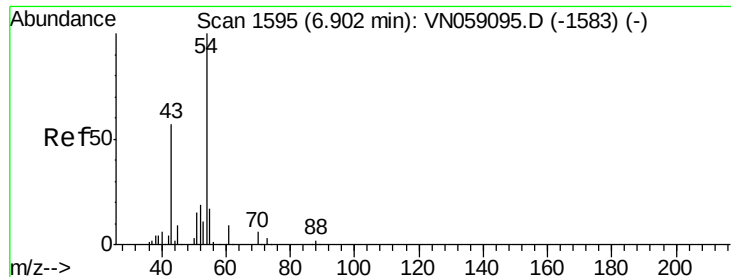
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#36
1,1-Dichloropropene
Concen: 20.022 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	114537		
110	33.5	17.1	51.2	
77	32.3	24.8	37.2	





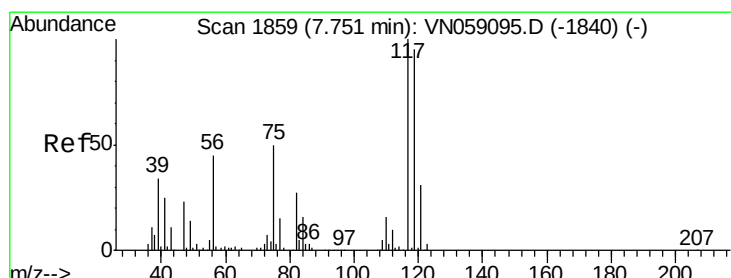
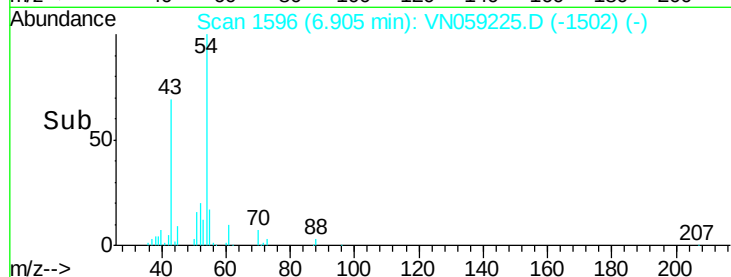
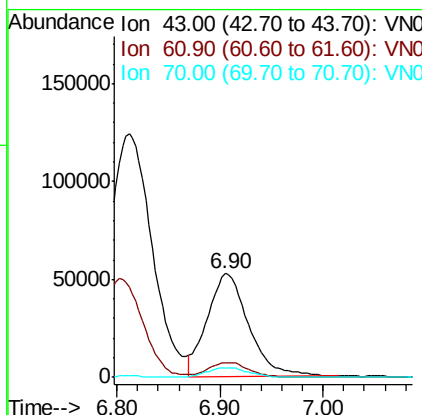
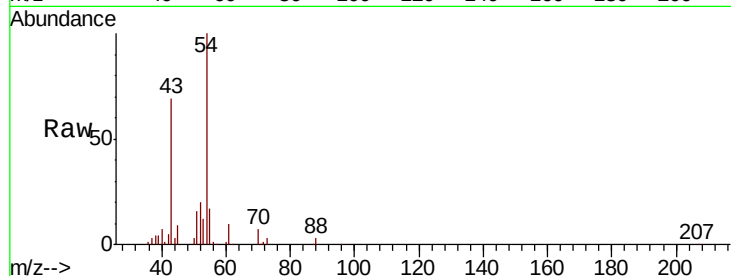
#37
Ethyl Acetate
Concen: 22.984 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.2	16.8
70	9.8	7.8	11.8

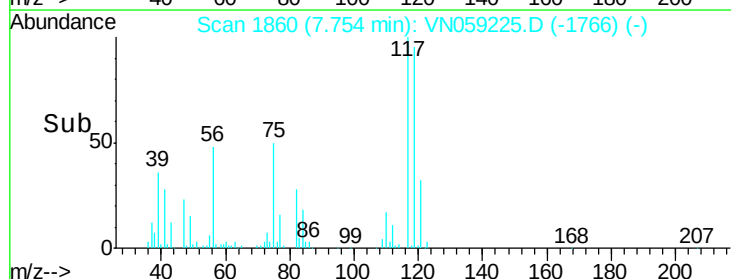
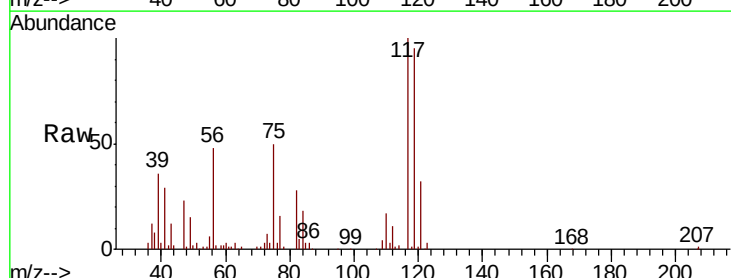
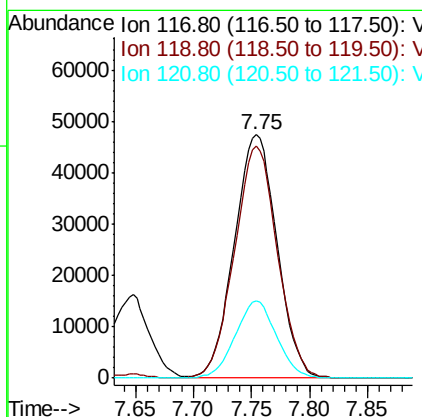
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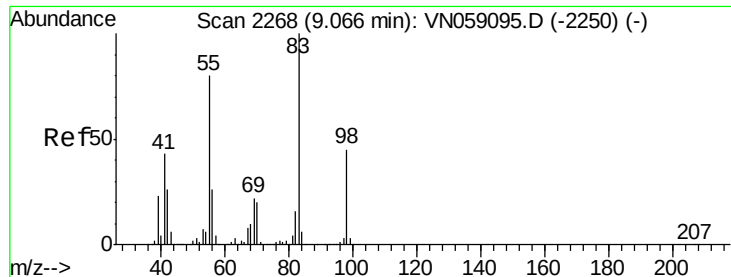
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#38
Carbon Tetrachloride
Concen: 21.315 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	31.9	24.6	36.8





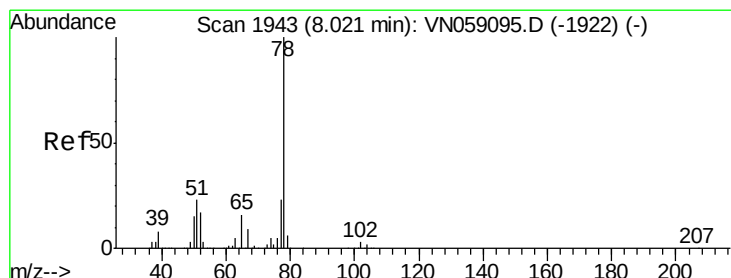
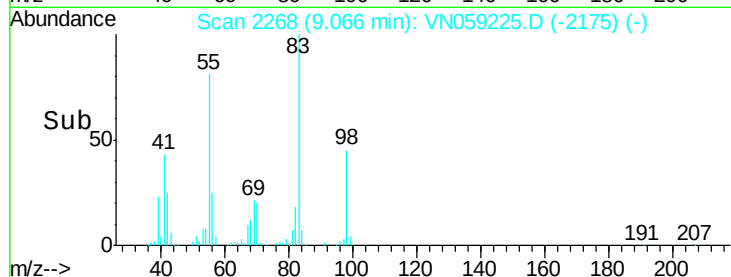
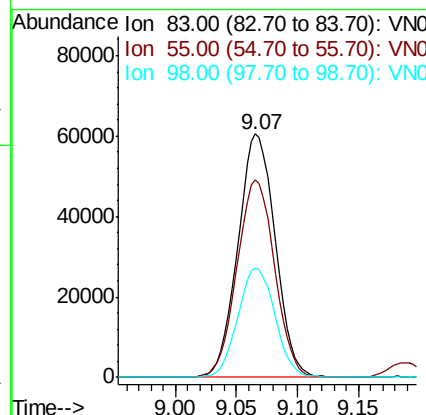
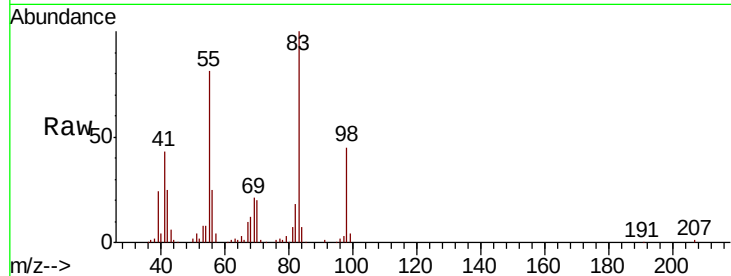
#39
Methylvlcyclohexane
Concen: 19.304 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	63.9	95.9
98	45.0	35.6	53.4

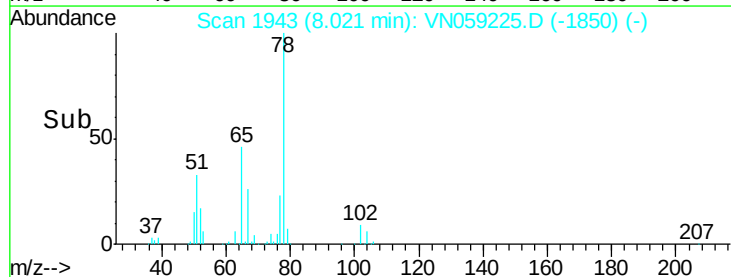
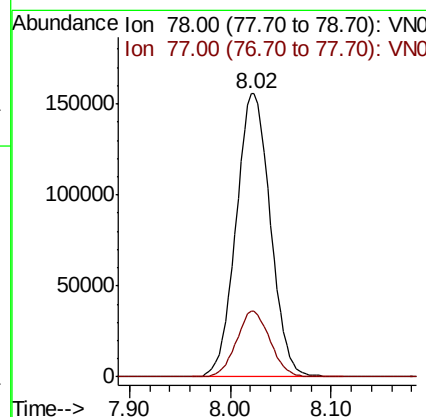
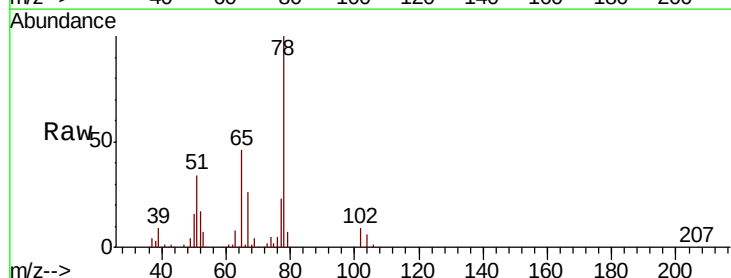
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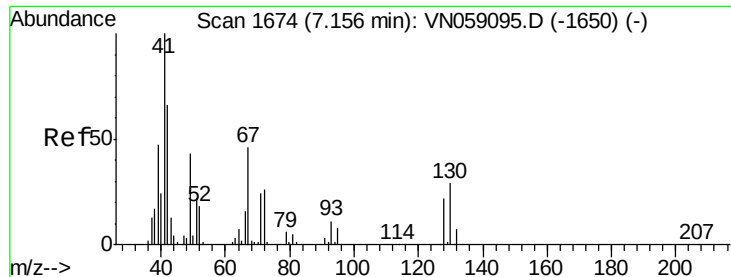
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#40
Benzene
Concen: 21.323 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





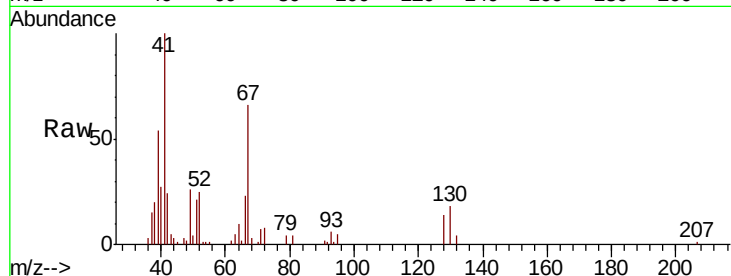
#41
Methacrylonitrile
Concen: 19.160 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

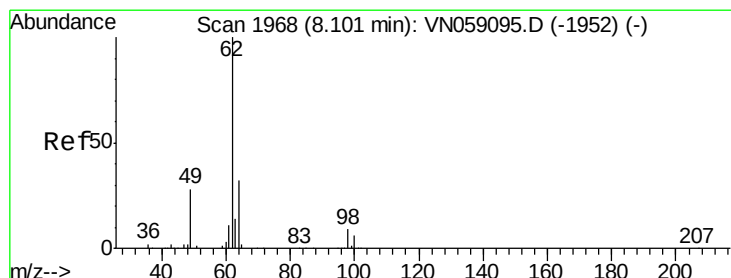
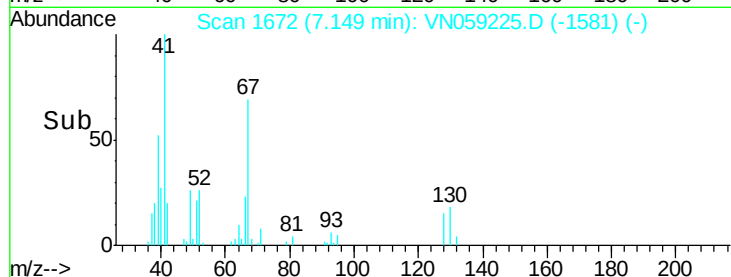
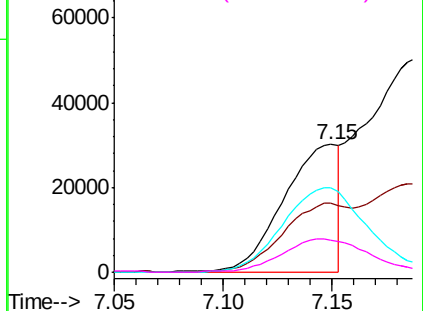
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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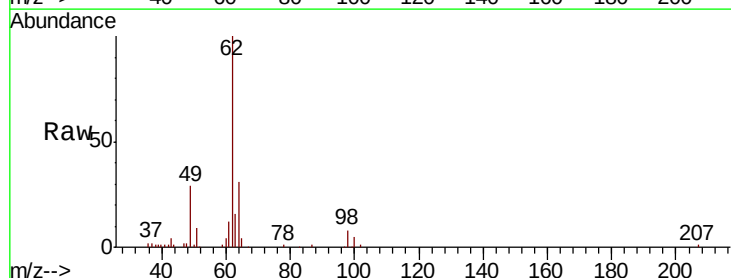


Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN059095.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN059095.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN059095.D (-1650) (-)

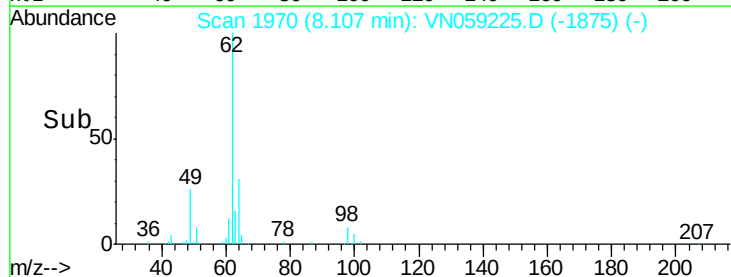
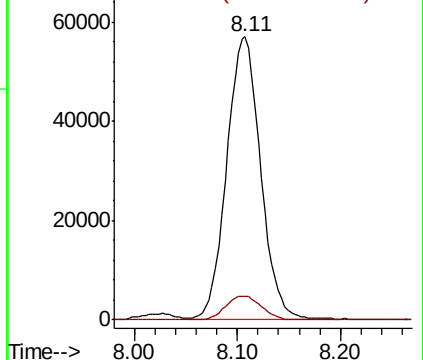


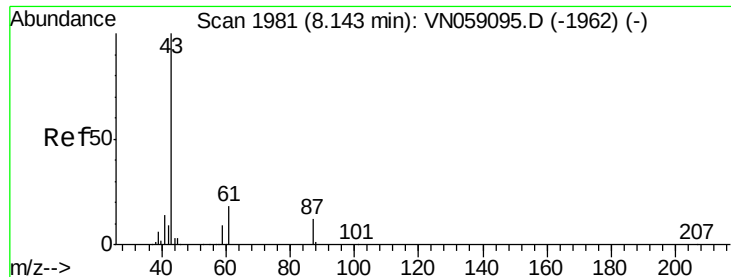
#42
1,2-Dichloroethane
Concen: 21.979 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059095.D (-1952) (-)
Ion 97.90 (97.60 to 98.60): VN059095.D (-1952) (-)





#43

Isopropyl Acetate

Concen: 21.858 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

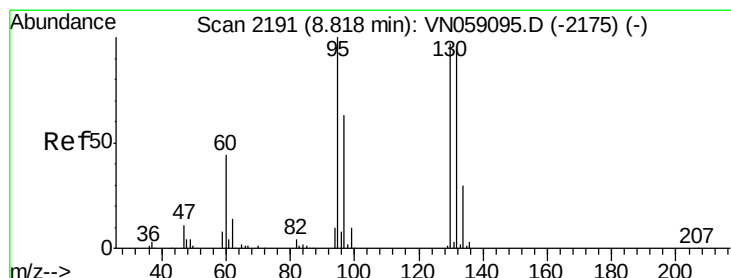
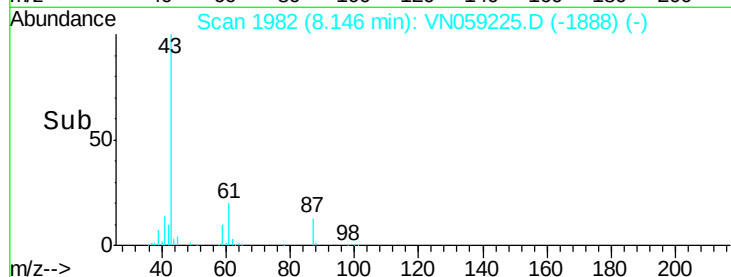
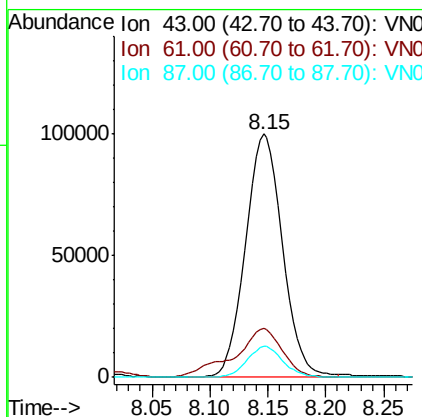
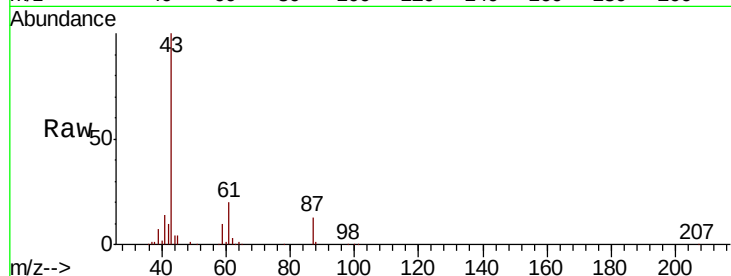
ClientSampleId :

VN1114WBSD01

Tot Ion:	43	Resp:	221765
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.0	31.6
87	12.5	9.8	14.6

Manual Integrations
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#44

Trichloroethene

Concen: 20.787 ug/l

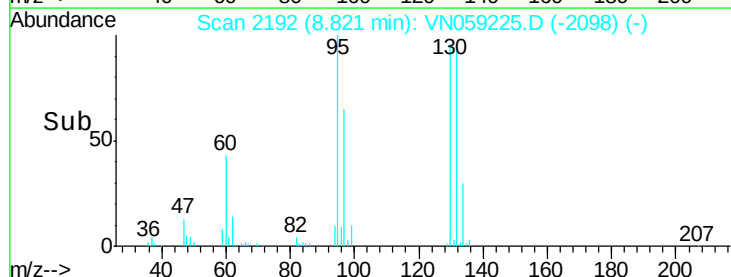
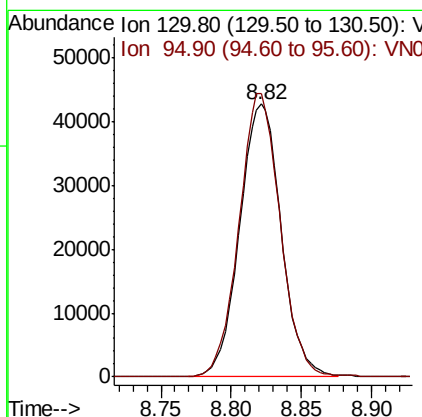
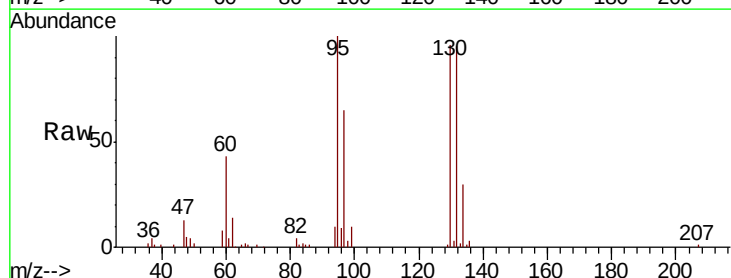
RT: 8.82 min Scan# 2192

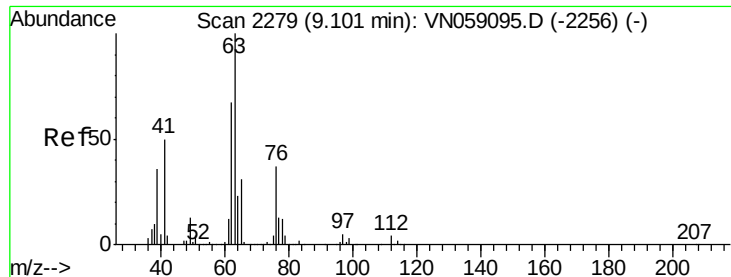
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	130	Resp:	88026
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	206.4





#45

1,2-Dichloropropane

Concen: 21.813 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 63 Resp: 102064

Ion Ratio Lower Upper

63 100

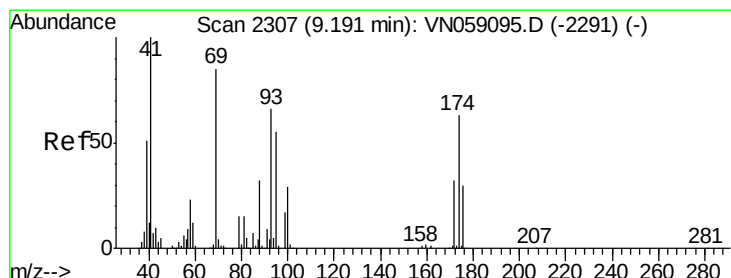
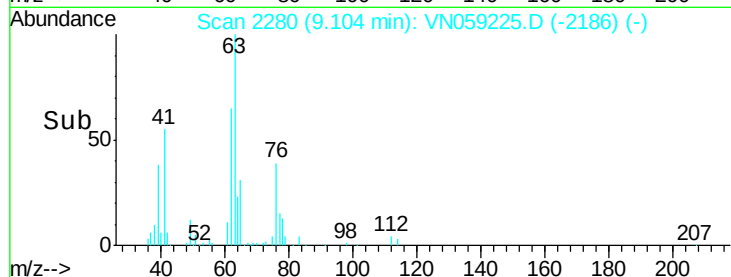
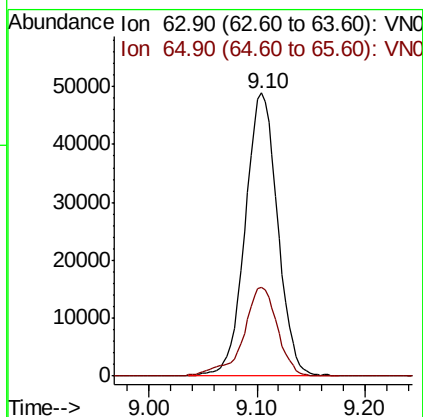
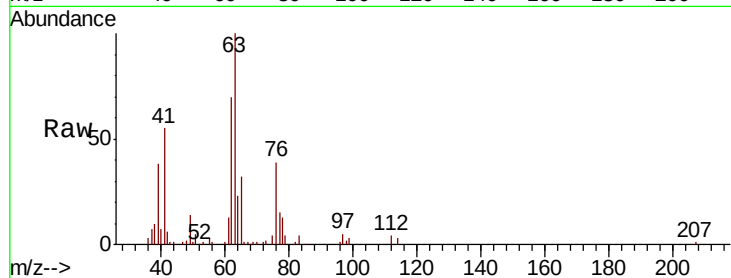
65 31.5 24.6 37.0

Manual Integrations

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MMDadoda

11/15/2019 10:21:53 AM



#46

Dibromomethane

Concen: 21.463 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

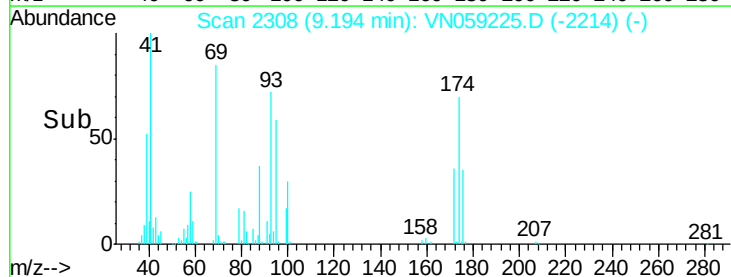
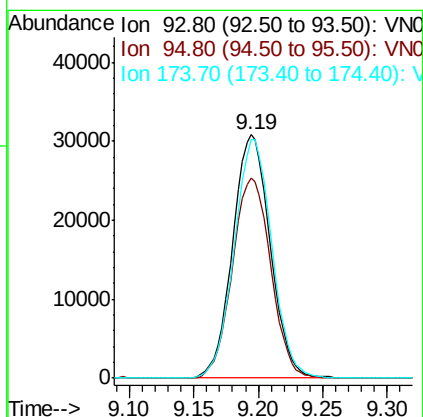
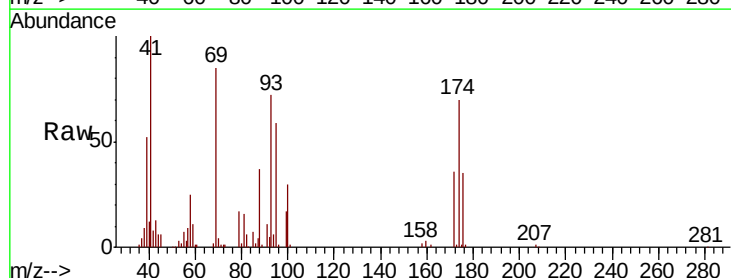
Tgt Ion: 93 Resp: 62580

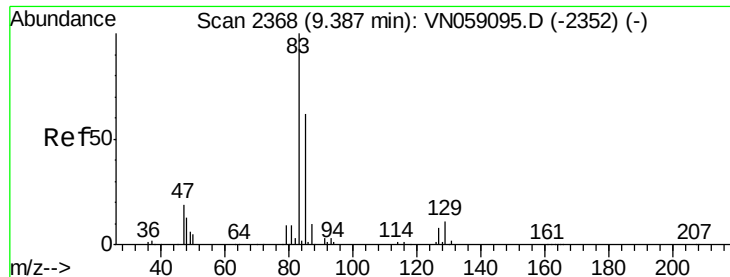
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 98.4 78.2 117.2





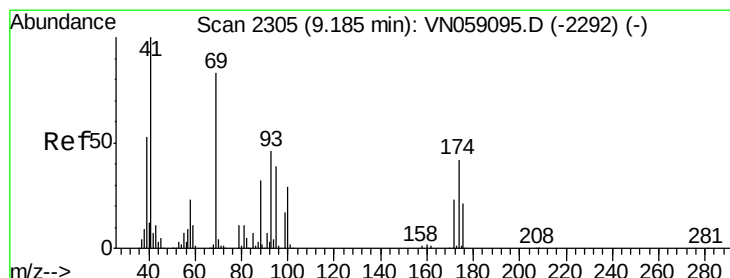
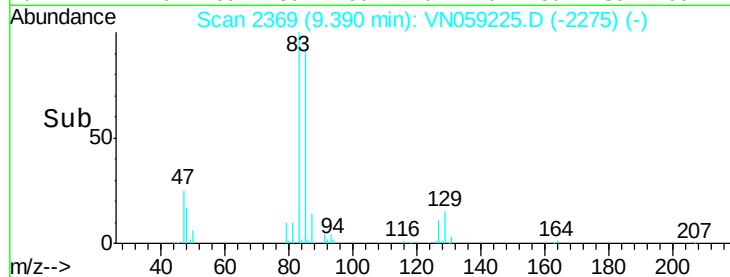
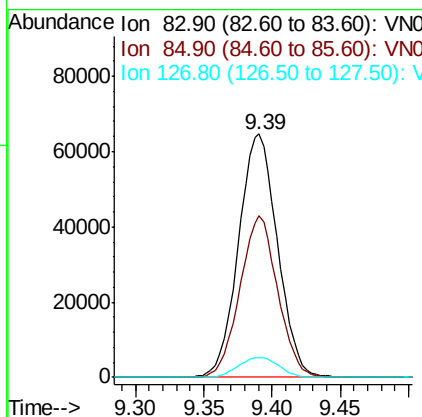
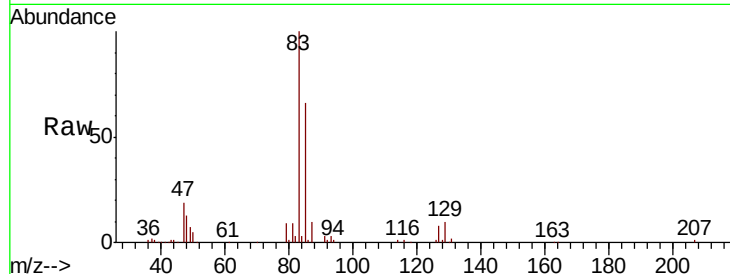
#47
Bromodichloromethane
Concen: 22.021 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.3	49.7	74.5	
127	8.1	6.4	9.6	

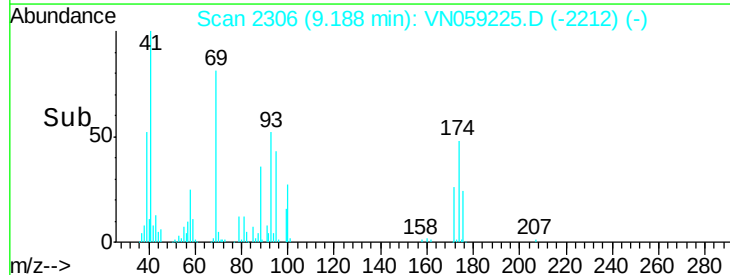
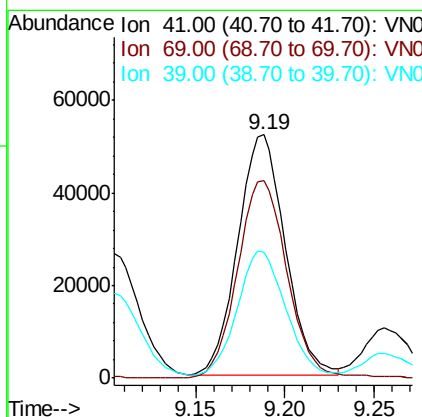
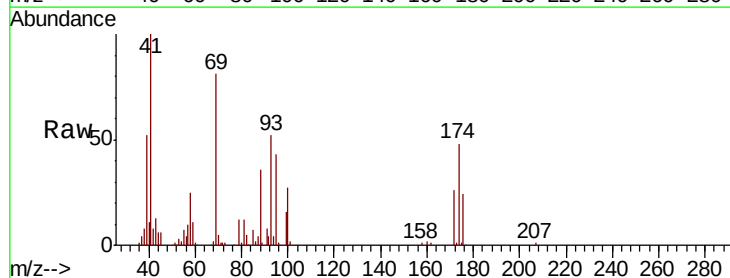
Manual Integrations
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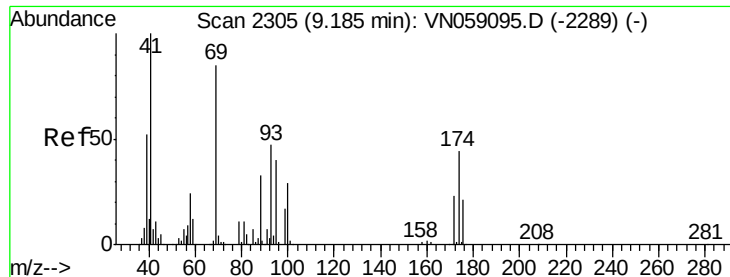
MMDadoda
11/15/2019 10:21:53 AM



#48
Methyl methacrylate
Concen: 21.303 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	86.3	67.3	100.9	
39	54.4	43.3	64.9	





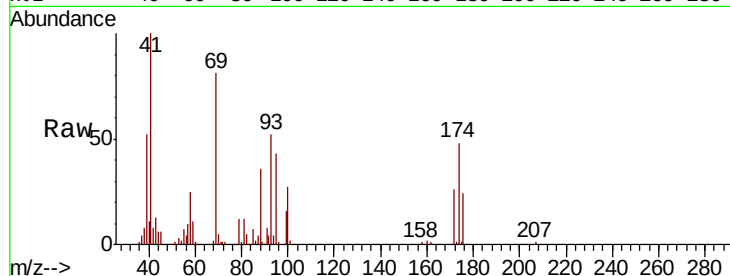
#49
1,4-Dioxane
Concen: 482.392 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

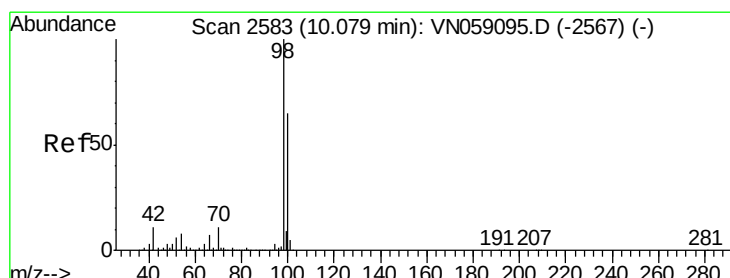
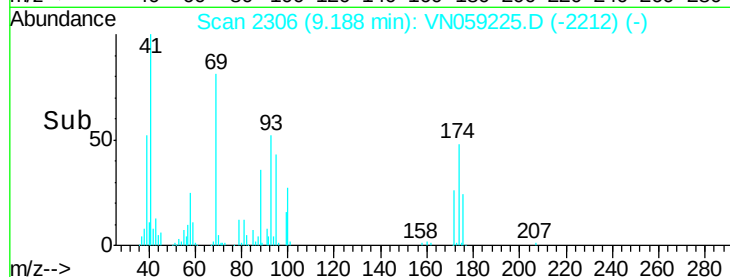
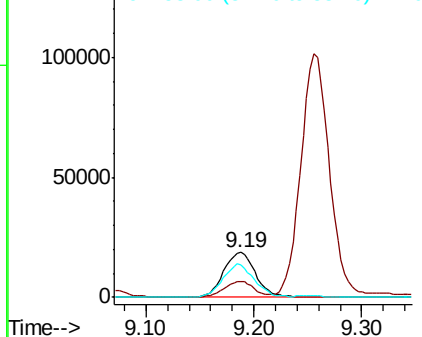
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.3	39.5
58	72.4	60.6	90.8

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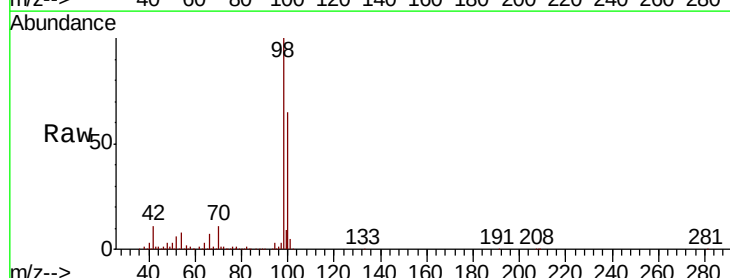


Abundance Ion 88.00 (87.70 to 88.70): VN059225.D (-2212) (-)
Ion 43.00 (42.70 to 43.70): VN059225.D (-2212) (-)
Ion 58.00 (57.70 to 58.70): VN059225.D (-2212) (-)

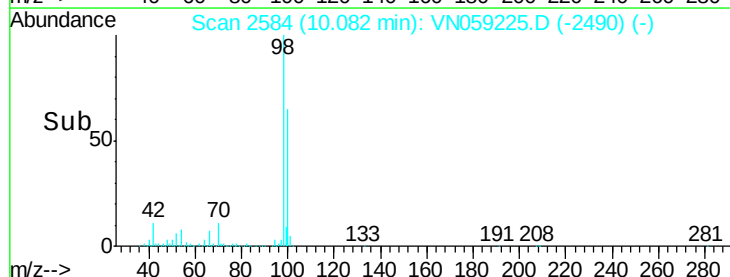
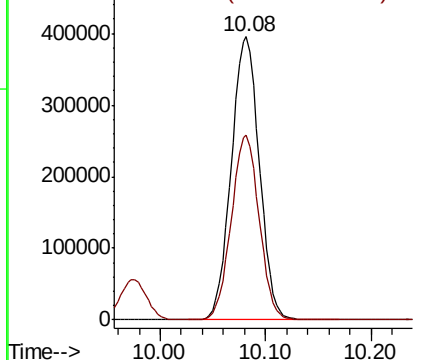


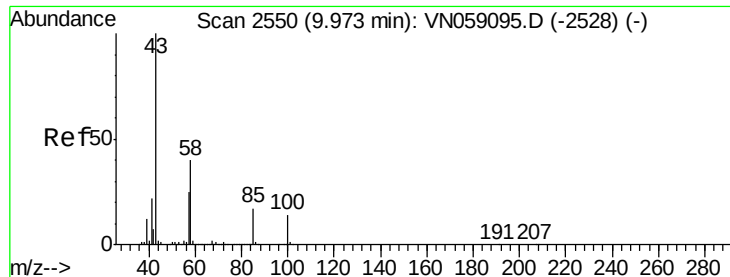
#50
Toluene-d8
Concen: 50.586 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059225.D (-2490) (-)
Ion 100.00 (99.70 to 100.70): VN059225.D (-2490) (-)





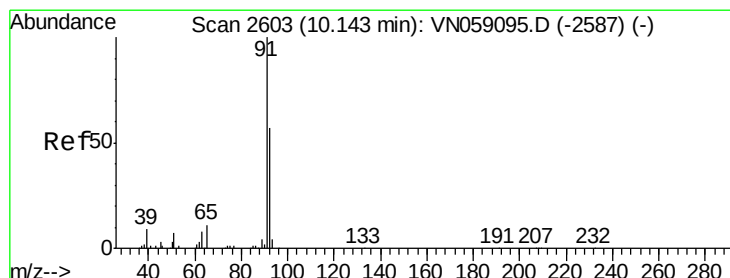
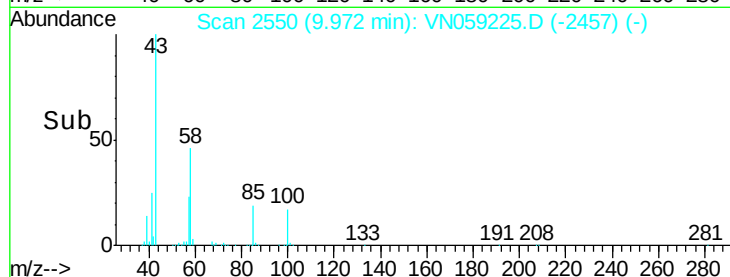
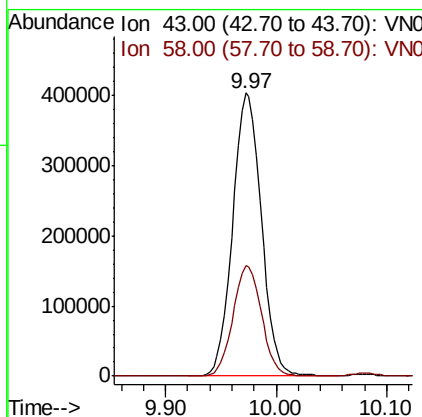
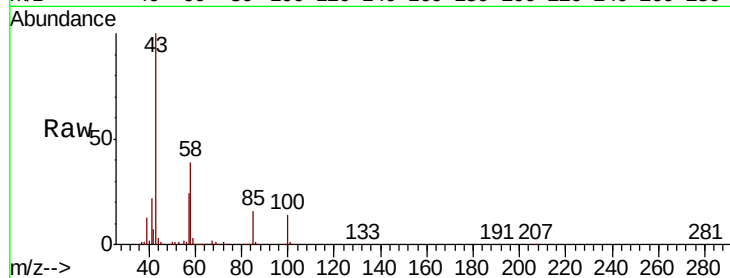
#51
4-Methyl-2-Pentanone
Concen: 126.859 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.5	47.3

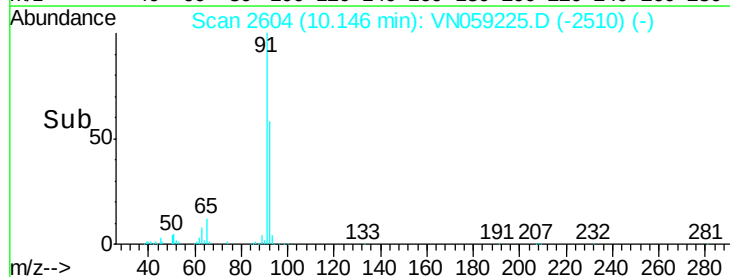
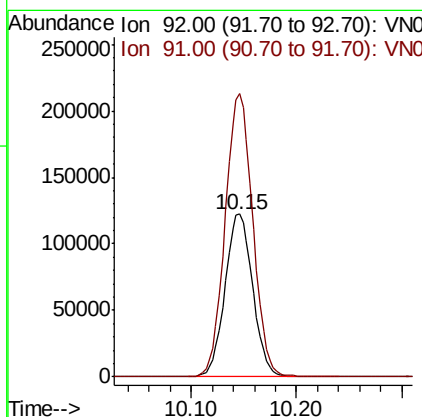
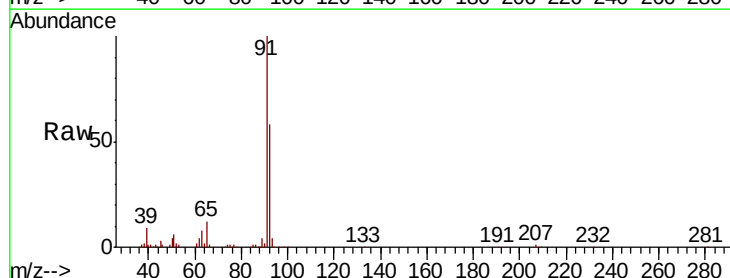
Manual Integrations
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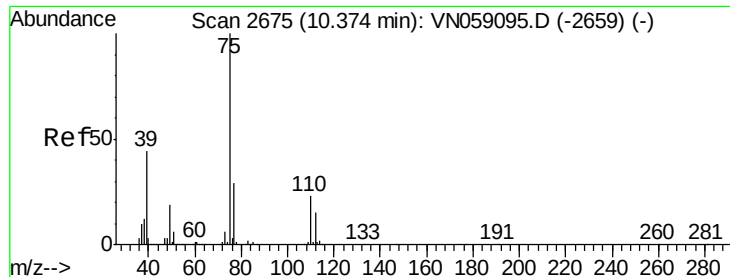
MMDadoda
11/15/2019 10:21:53 AM



#52
Toluene
Concen: 21.534 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 21.087 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 75 Resp: 141844

Ion Ratio Lower Upper

75 100

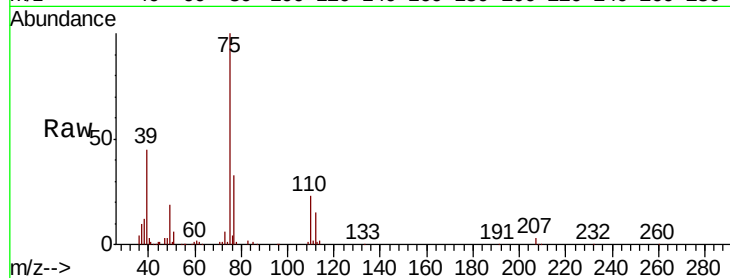
77 32.0 25.3 37.9

Manual Integrations

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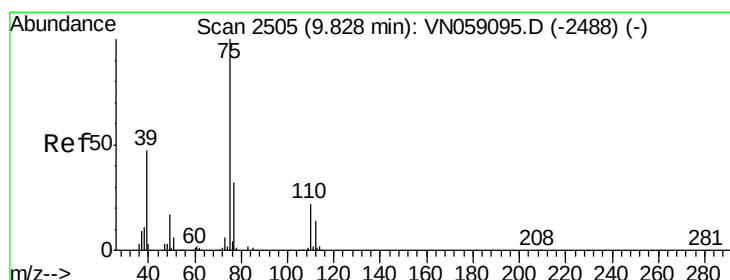
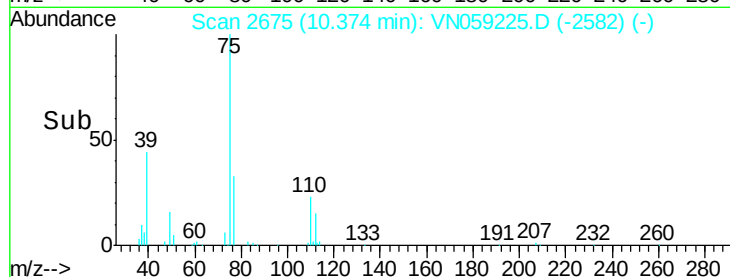
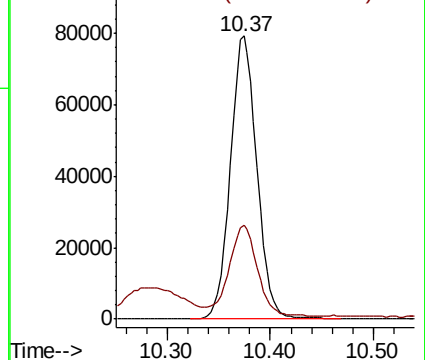
MMDadoda

11/15/2019 10:21:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.064 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

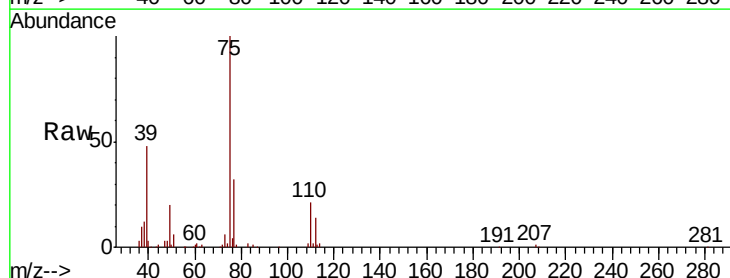
Tgt Ion: 75 Resp: 152410

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

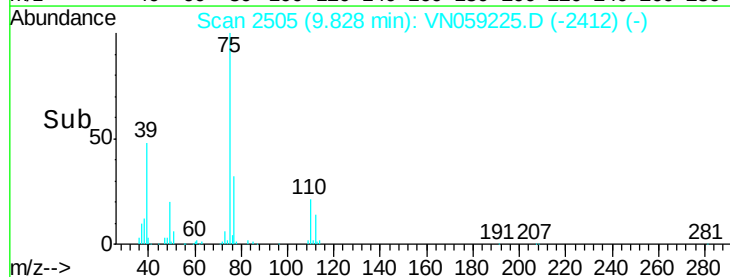
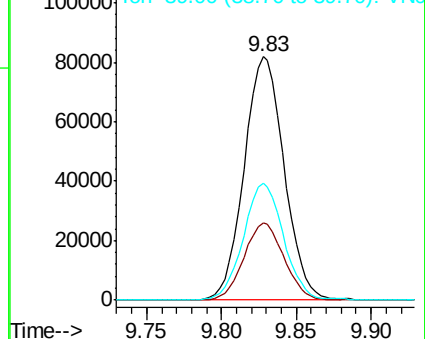
39 48.1 37.3 55.9

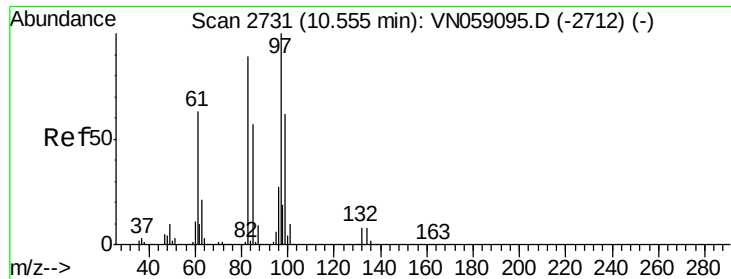


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





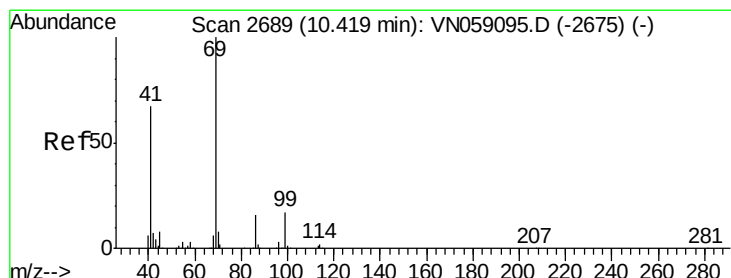
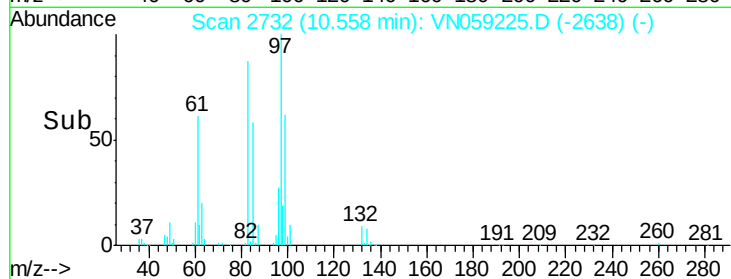
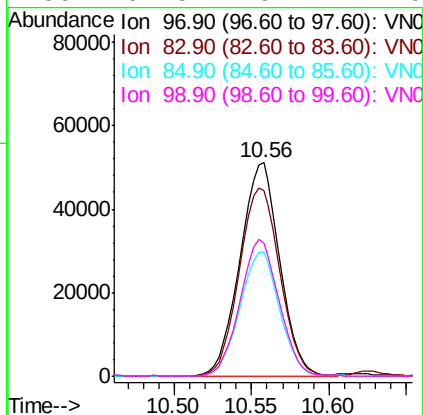
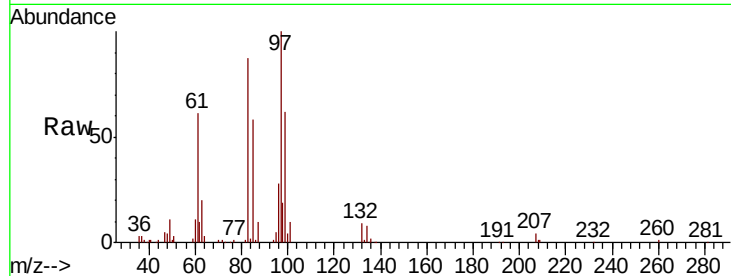
#55
 1,1,2-Trichloroethane
 Concen: 21.945 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion:	97	Resp:	91703
Ion	Ratio	Lower	Upper
97	100		
83	86.9	71.0	106.4
85	58.1	45.8	68.8
99	62.5	49.4	74.0

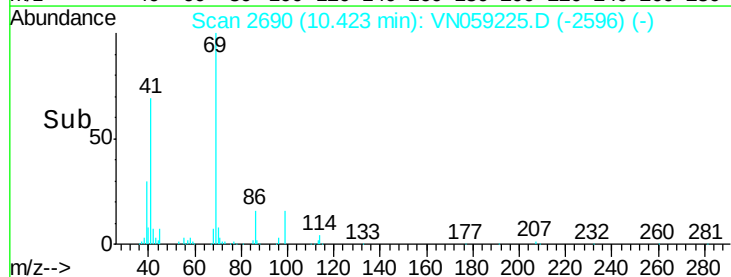
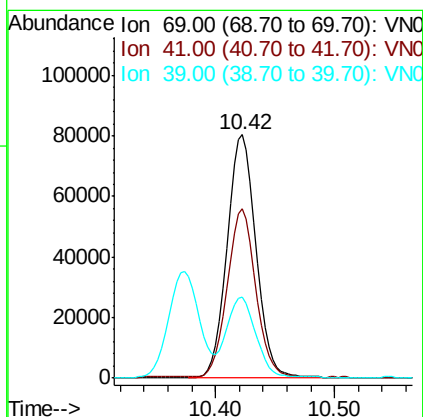
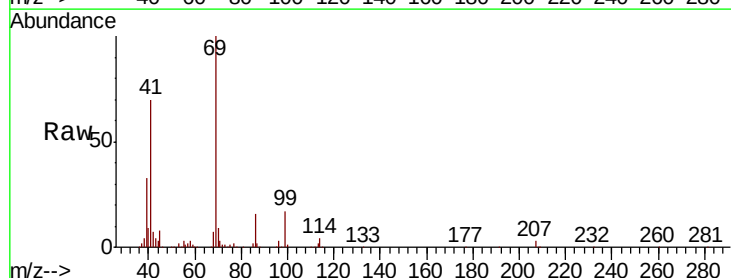
Manual Integrations
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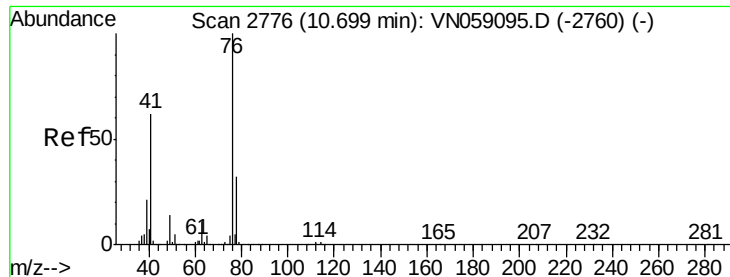
MMDadoda
 11/15/2019 10:21:53 AM



#56
 Ethyl methacrylate
 Concen: 20.621 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion:	69	Resp:	135752
Ion	Ratio	Lower	Upper
69	100		
41	67.7	53.6	80.4
39	32.7	26.2	39.4





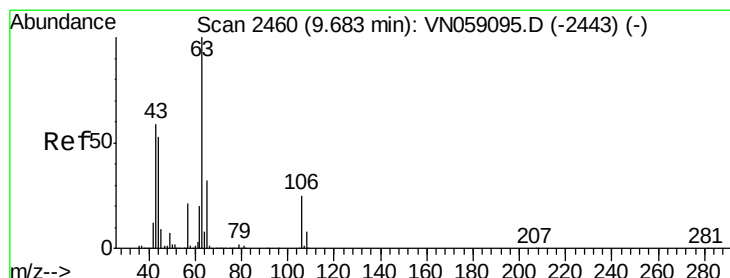
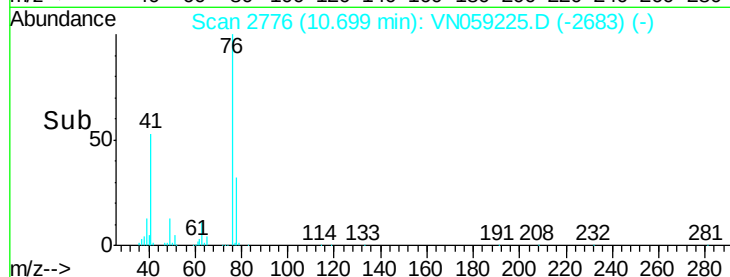
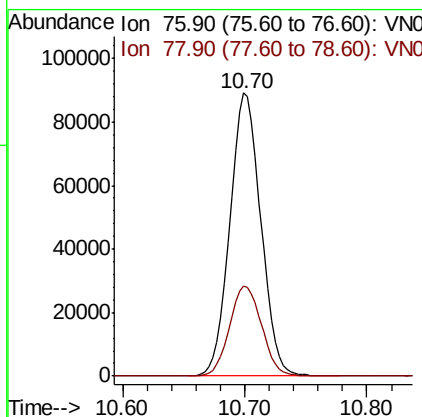
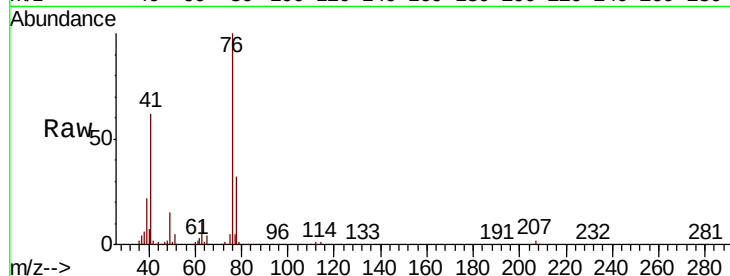
#57
 1,3-Dichloropropane
 Concen: 21.879 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

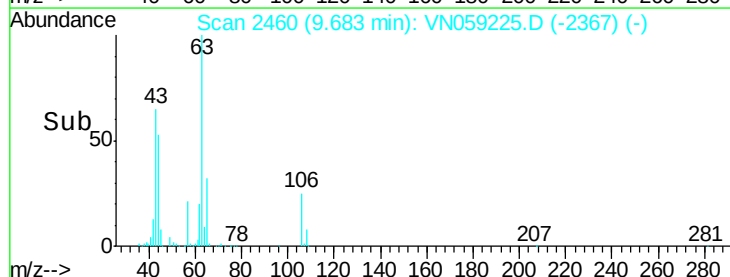
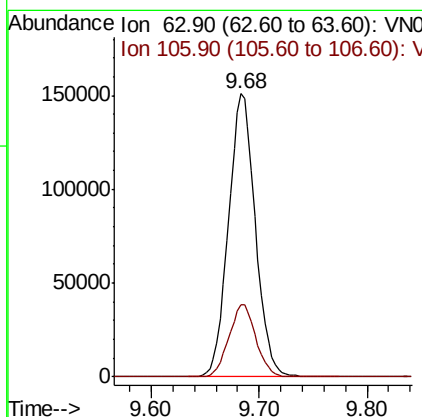
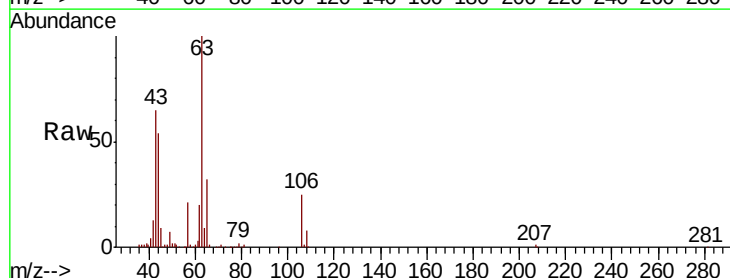
Manual Integrations
 APPROVED

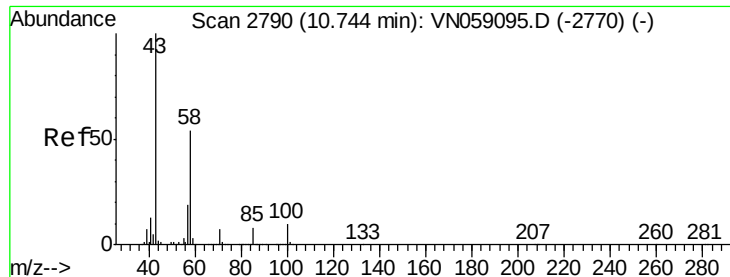
MMDadoda
 11/15/2019 10:21:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.891 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	20.2	30.2





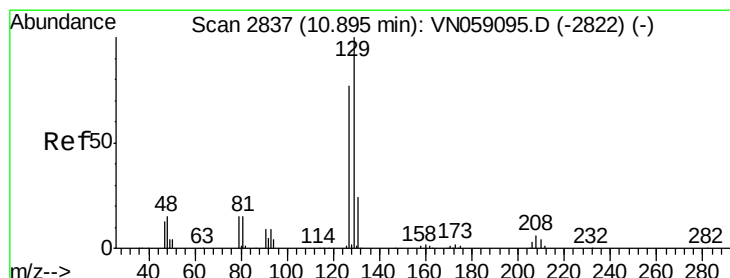
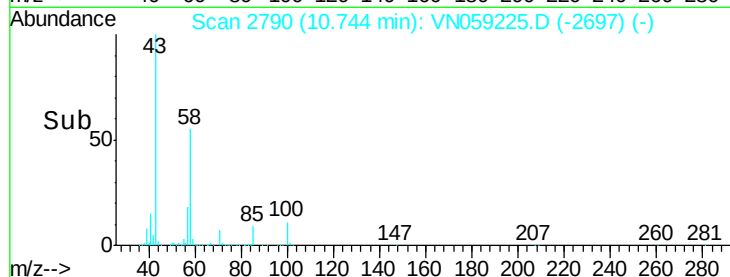
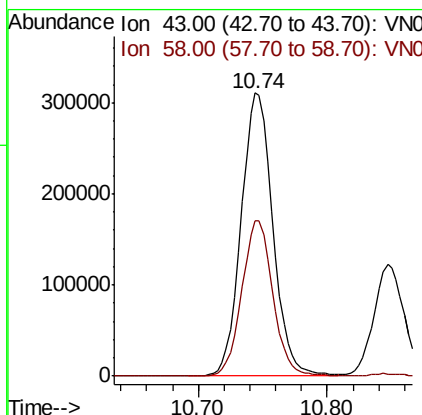
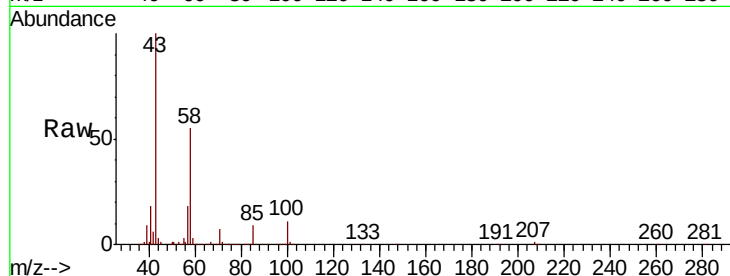
#59
2-Hexanone
Concen: 120.332 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.9	27.3	81.8

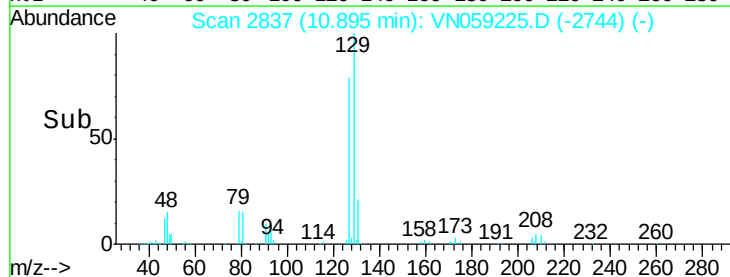
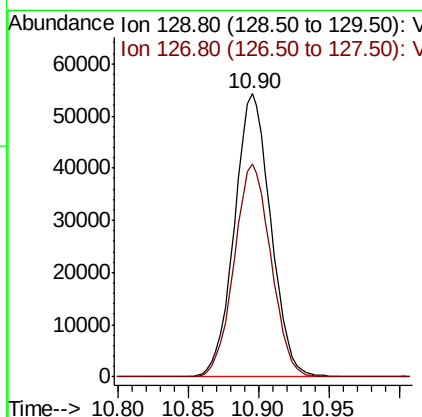
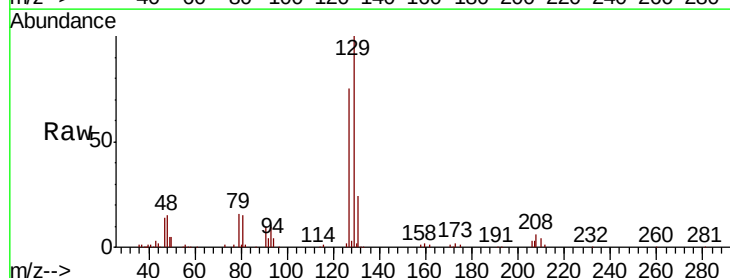
Manual Integrations
APPROVED

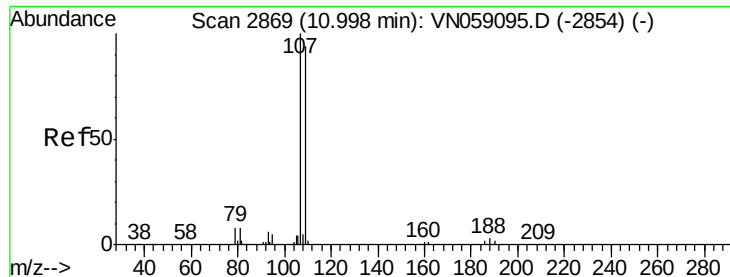
MMDadoda
11/15/2019 10:21:53 AM



#60
Dibromochloromethane
Concen: 22.158 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.6	115.8





#61

1,2-Dibromoethane

Concen: 22.461 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 107 Resp: 95013

Ion Ratio Lower Upper

107 100

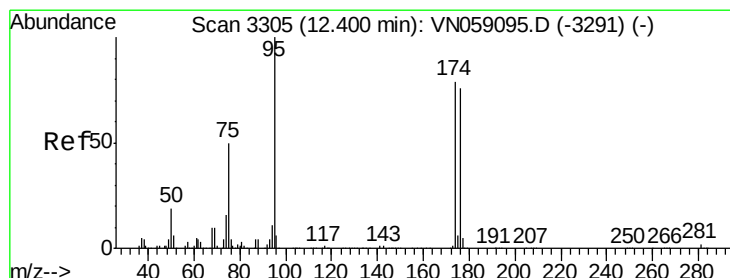
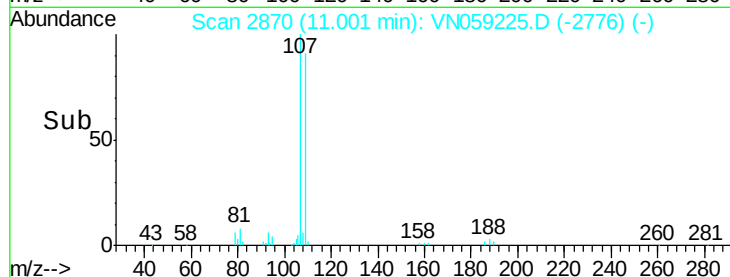
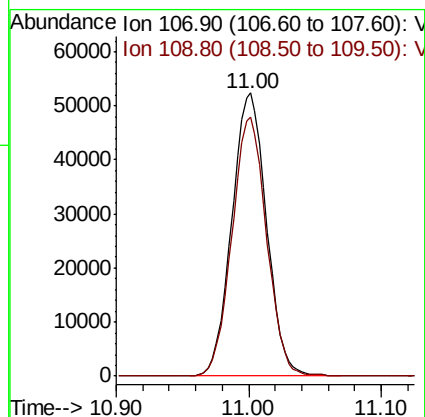
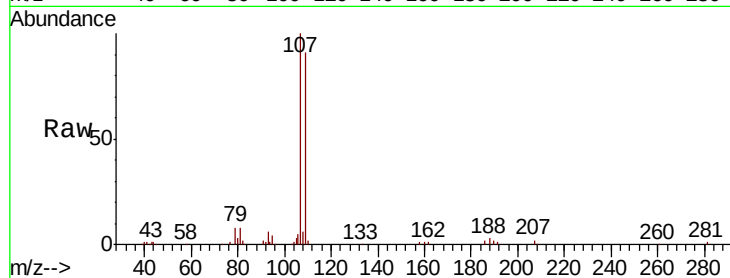
109 91.4 75.5 113.3

Manual Integrations

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MMDadoda

11/15/2019 10:21:53 AM



#62

4-Bromofluorobenzene

Concen: 50.280 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

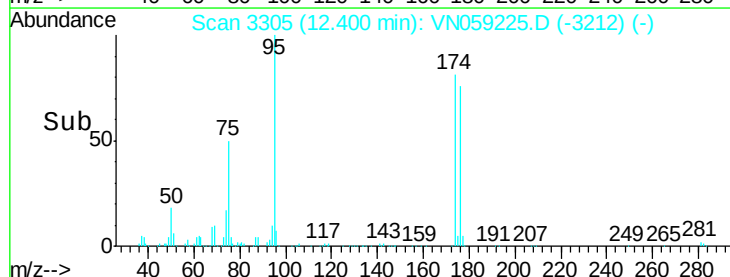
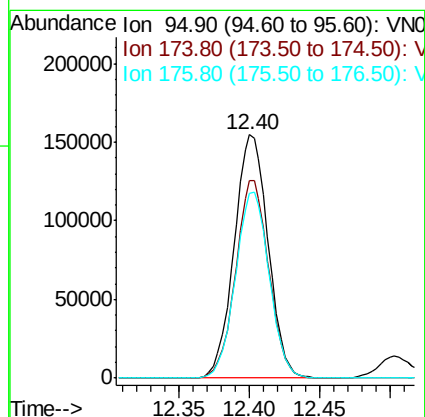
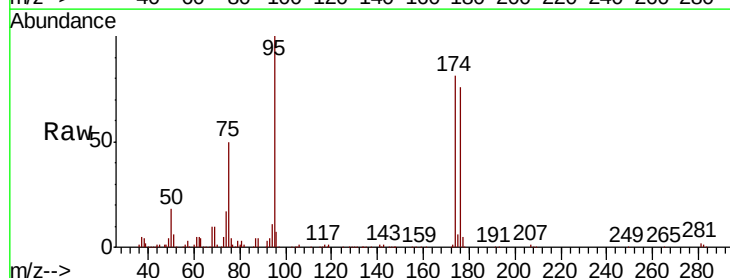
Tgt Ion: 95 Resp: 260954

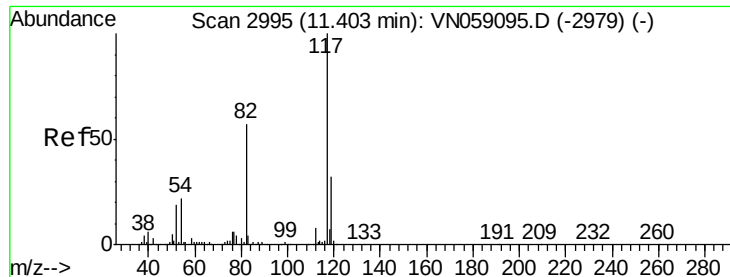
Ion Ratio Lower Upper

95 100

174 79.1 0.0 158.2

176 76.0 0.0 151.8





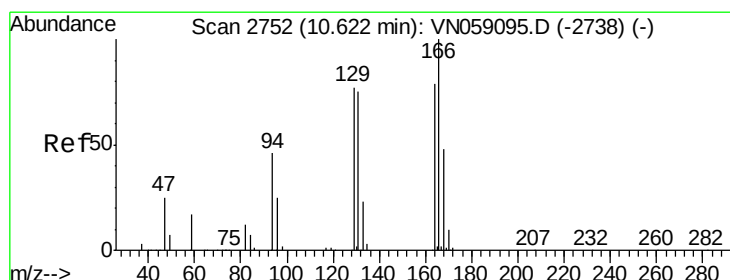
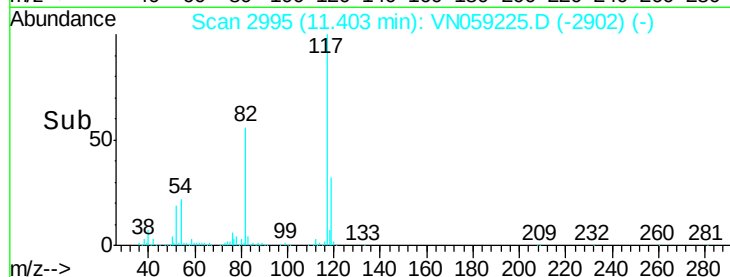
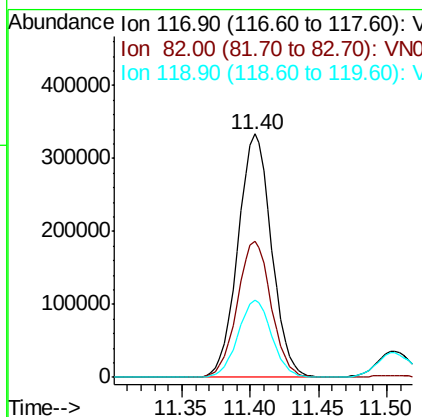
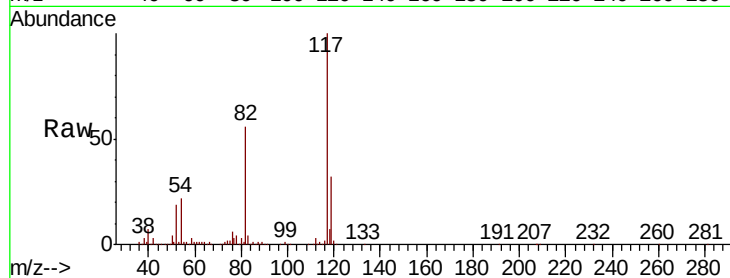
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	569152		
82	56.1		45.8	68.8
119	31.8		25.8	38.6

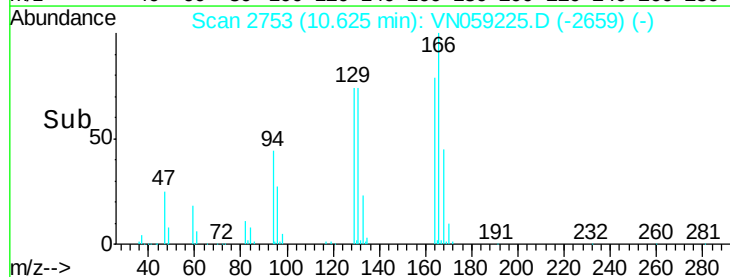
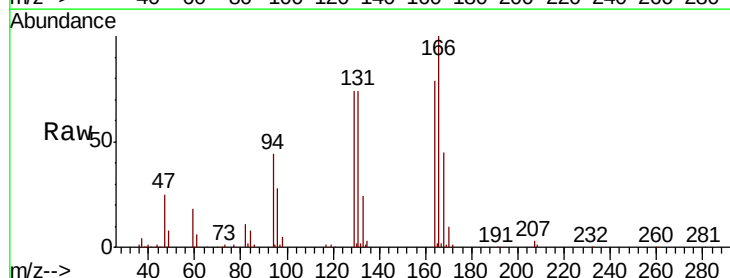
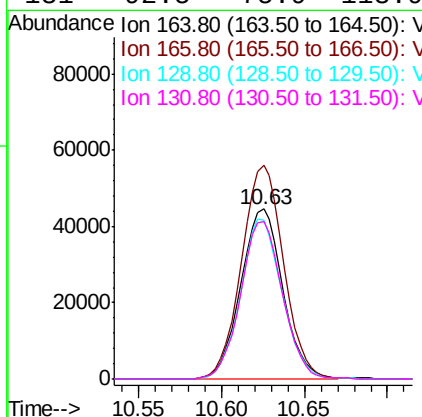
Manual Integrations
APPROVED

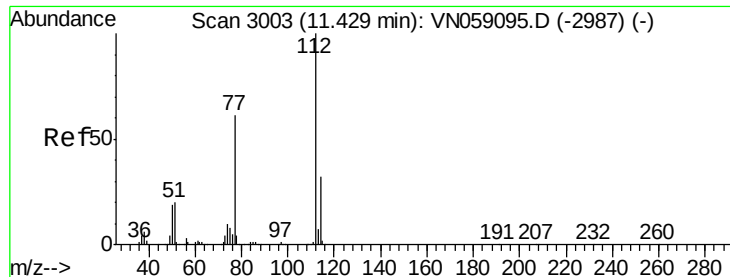
MMDadoda
11/15/2019 10:21:53 AM



#64
Tetrachloroethene
Concen: 20.324 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78656		
166	125.8		101.5	152.3
129	93.3		78.3	117.5
131	92.5		75.9	113.9





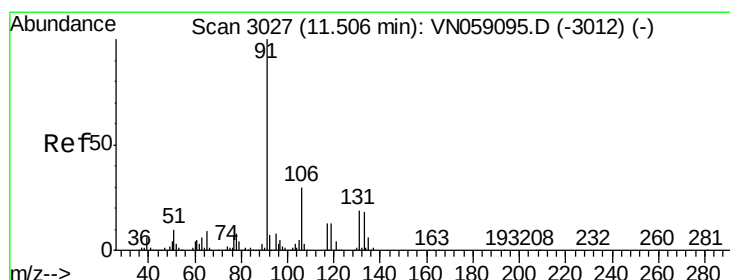
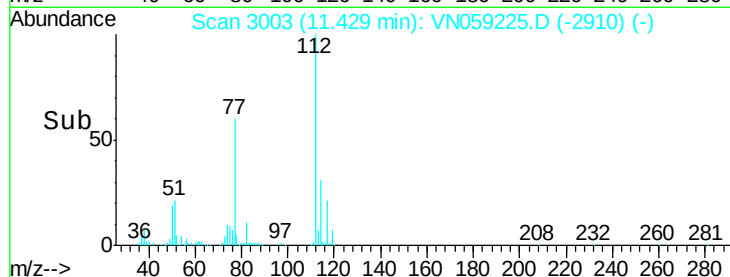
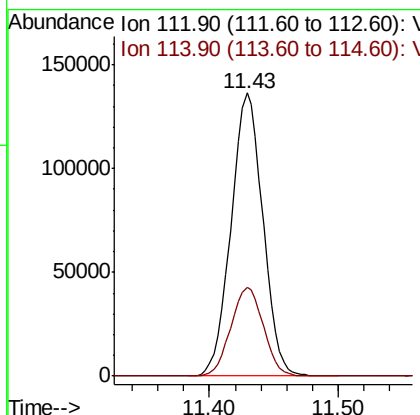
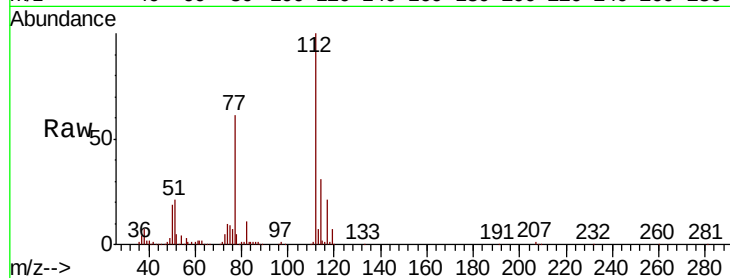
#65
Chlorobenzene
Concen: 21.060 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion:112 Resp: 233665
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

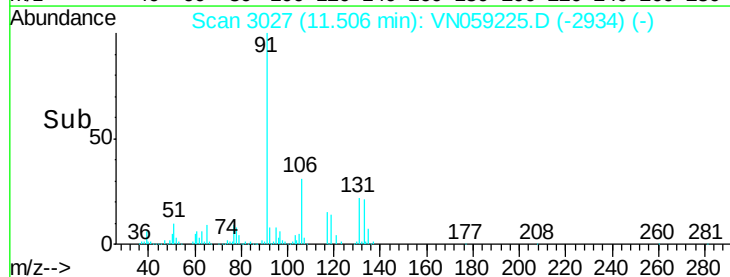
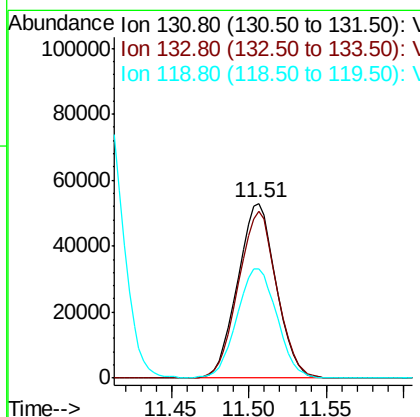
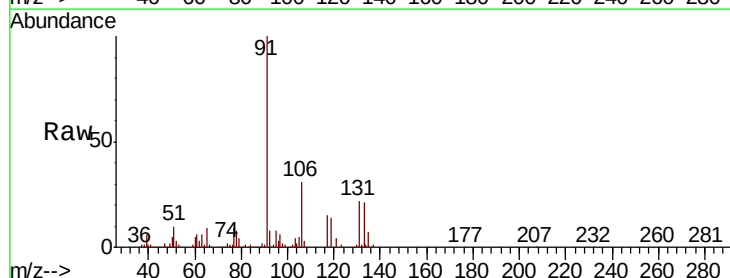
Manual Integrations
APPROVED

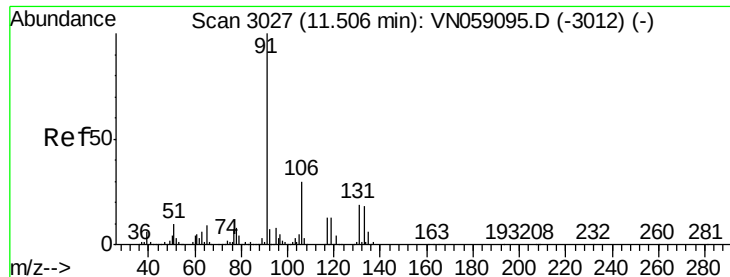
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.995 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion:131 Resp: 91544
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 65.3 33.2 99.6





#67

Ethyl Benzene

Concen: 20.994 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 91 Resp: 413259

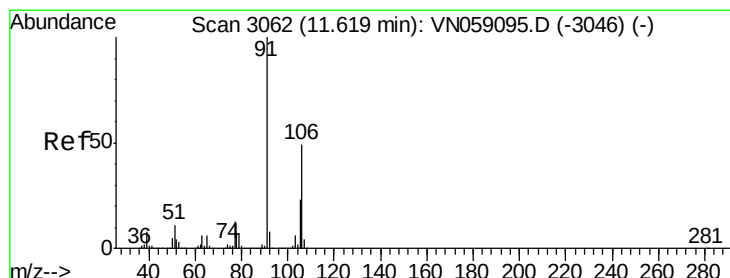
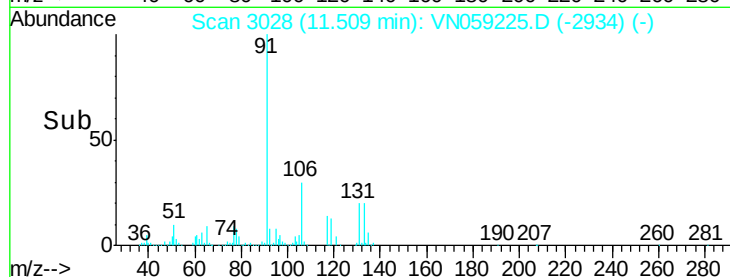
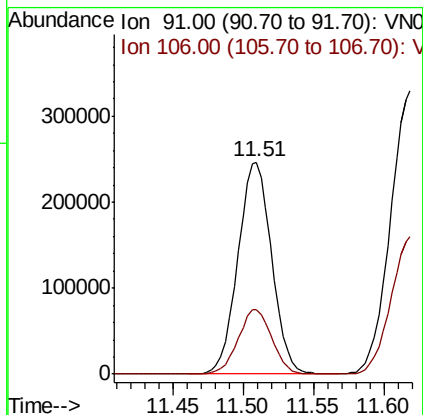
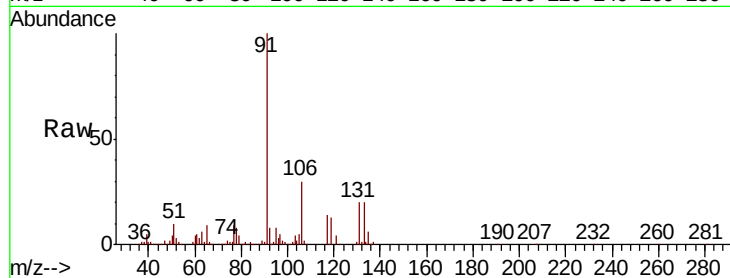
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 41.097 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059225.D

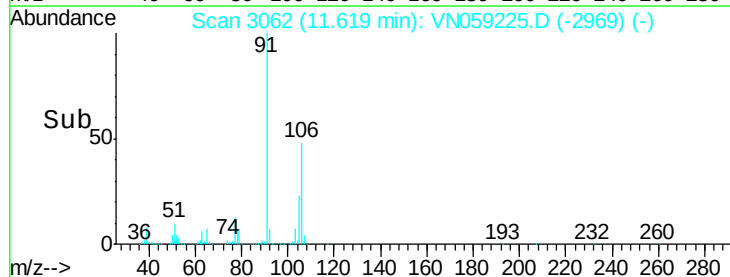
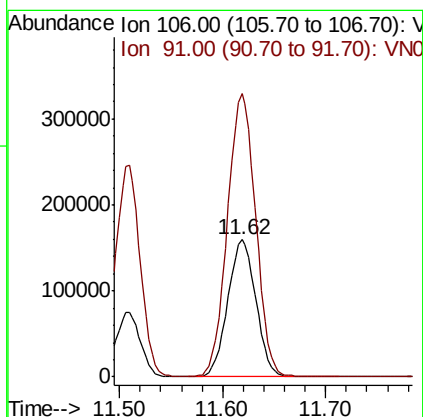
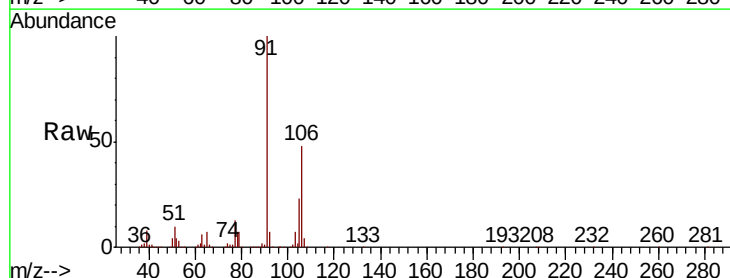
Acq: 14 Nov 2019 12:03

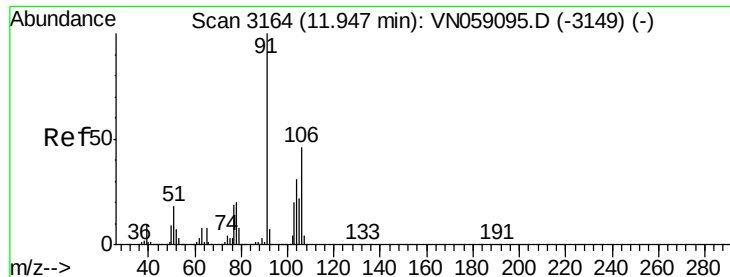
Tgt Ion: 106 Resp: 303041

Ion Ratio Lower Upper

106 100

91 207.1 164.7 247.1





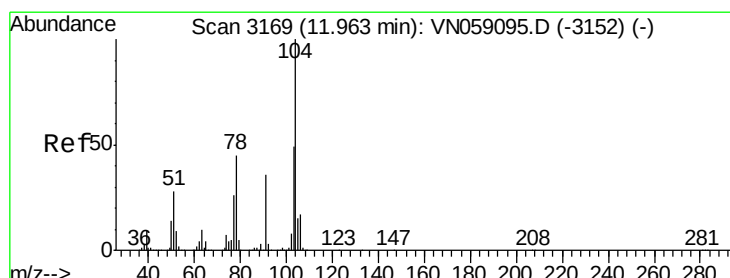
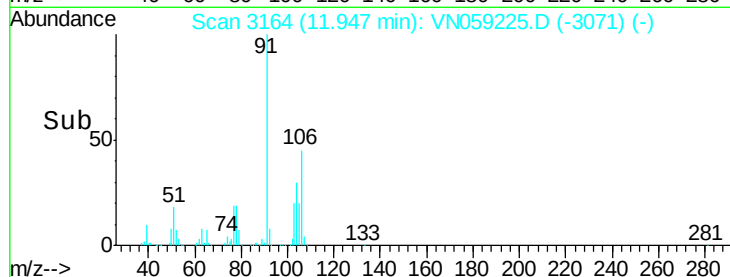
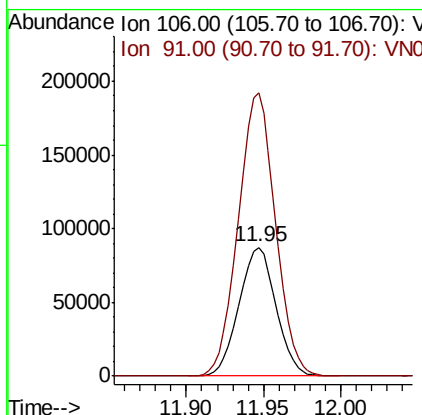
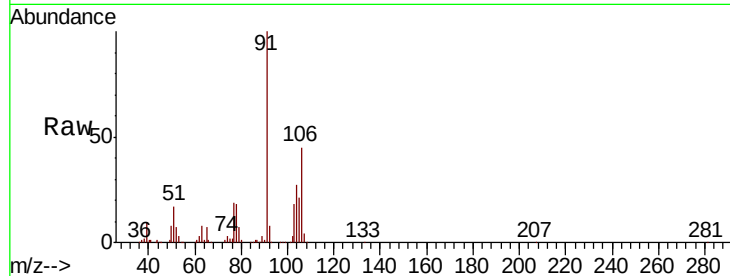
#69
o-Xylene
Concen: 20.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	221.9	110.1	330.3

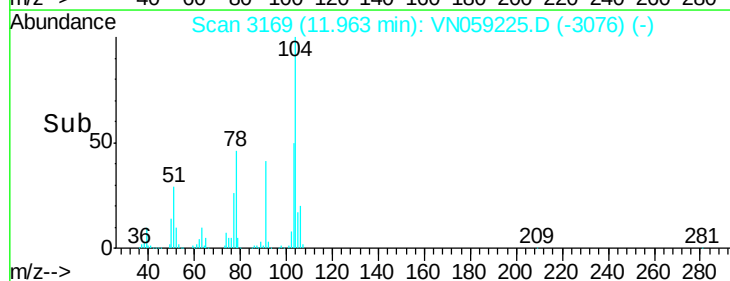
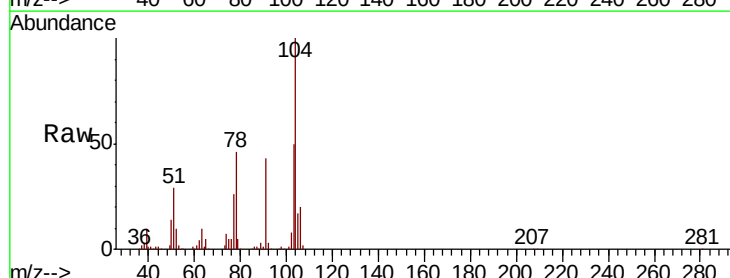
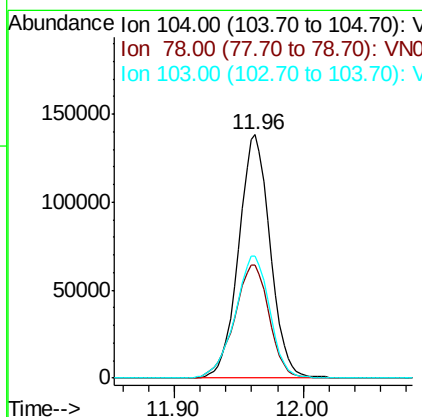
Manual Integrations
APPROVED

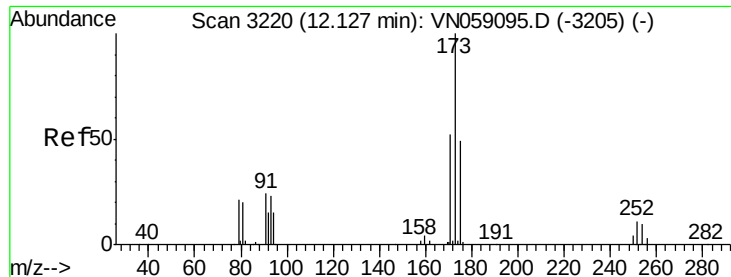
MMDadoda
11/15/2019 10:21:53 AM



#70
Styrene
Concen: 20.976 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	51.8	41.2	61.8
103	103	55.5	43.8	65.6





#71

Bromoform

Concen: 21.660 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

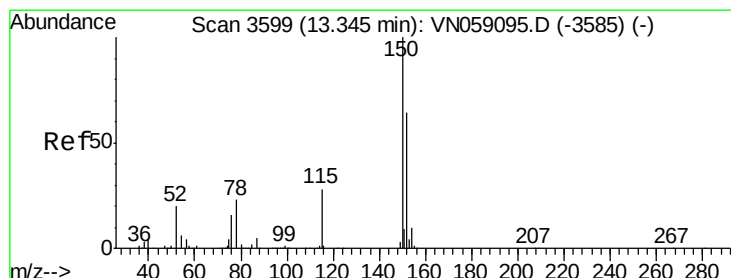
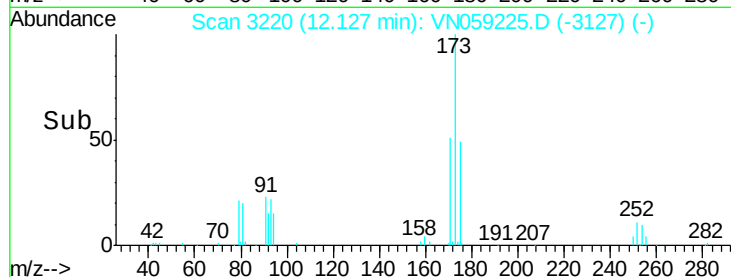
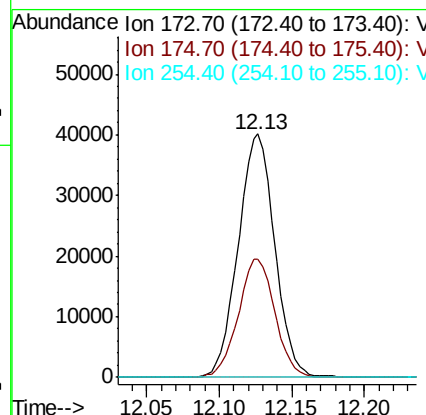
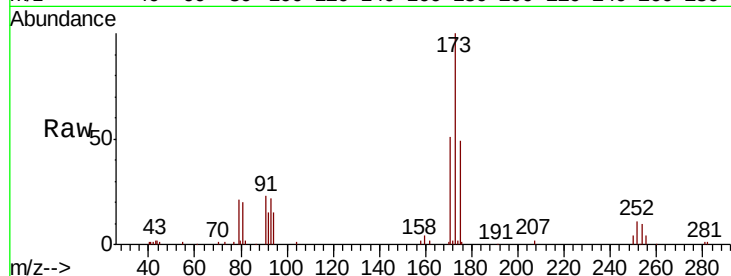
ClientSampleId :

VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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11/15/2019 10:21:53 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

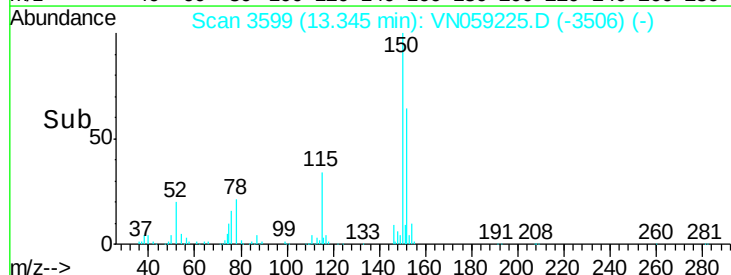
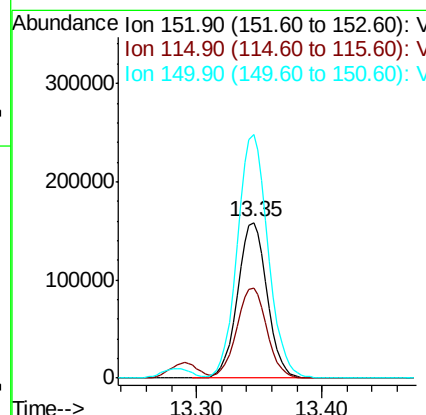
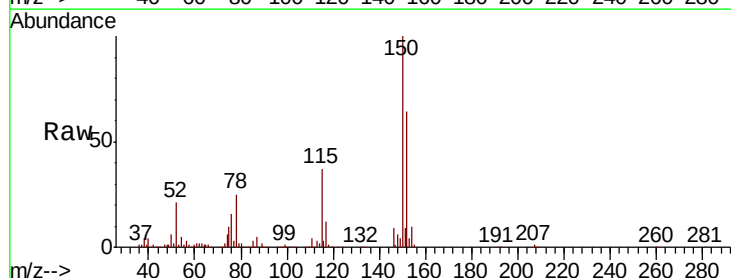
RT: 13.35 min Scan# 3599

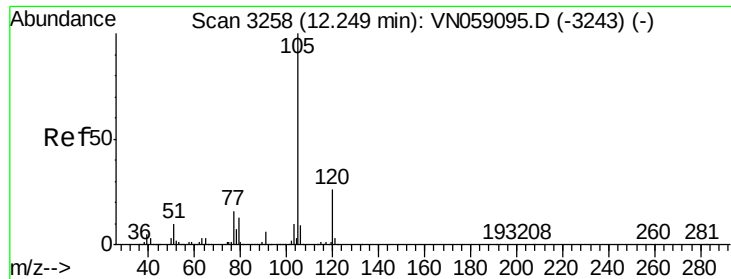
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	163.1	0.0	345.8





#73

Isopropylbenzene

Concen: 21.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 105 Resp: 396746

Ion Ratio Lower Upper

105 100

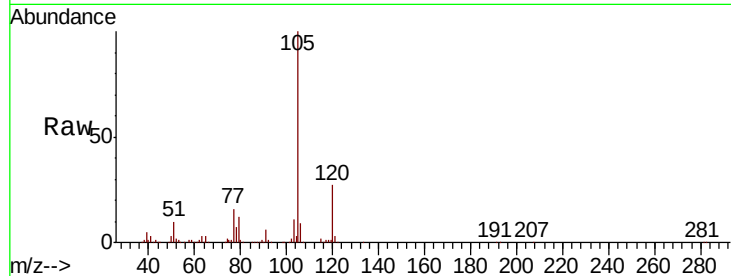
120 26.2 13.1 39.3

Manual Integrations

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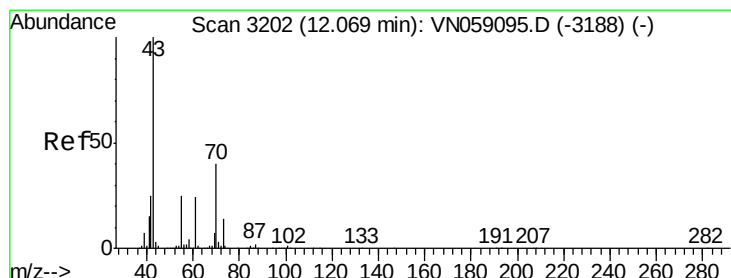
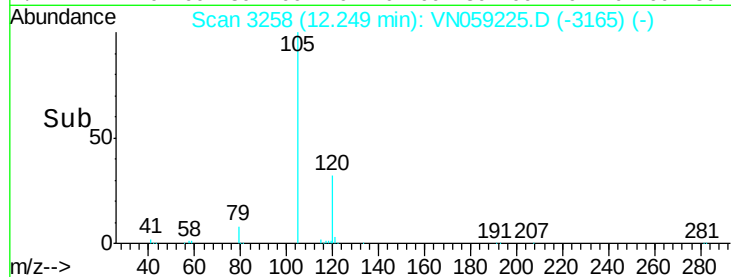
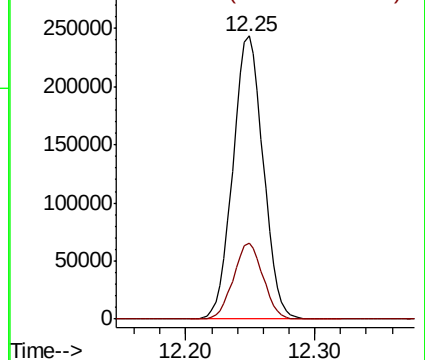
MMDadoda

11/15/2019 10:21:53 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.333 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 169733

Ion Ratio Lower Upper

43 100

70 42.2 32.2 48.4

55 27.7 20.4 30.6

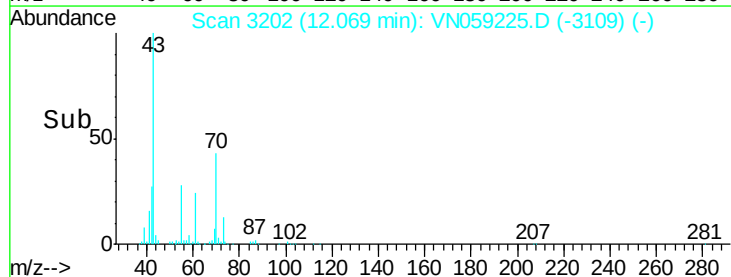
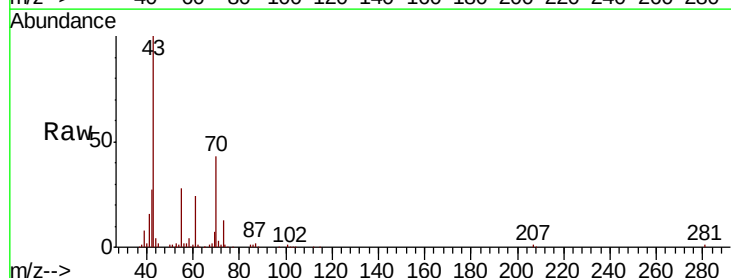
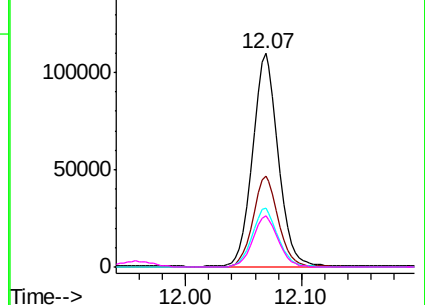
61 23.8 19.3 28.9

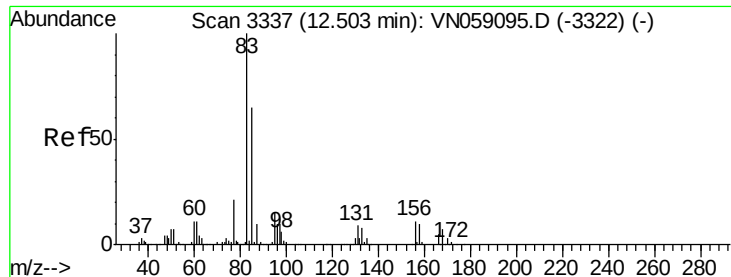
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

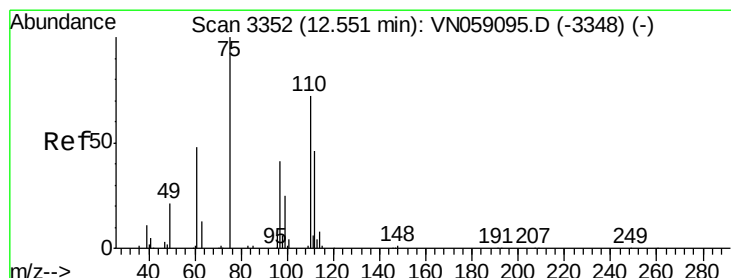
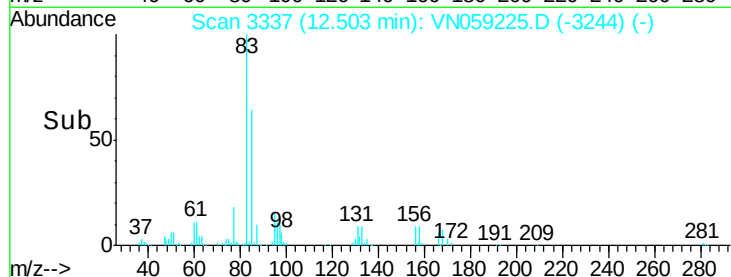
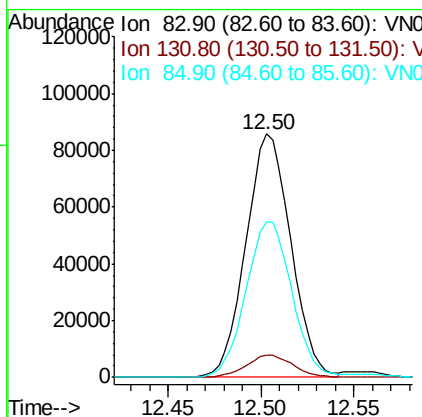
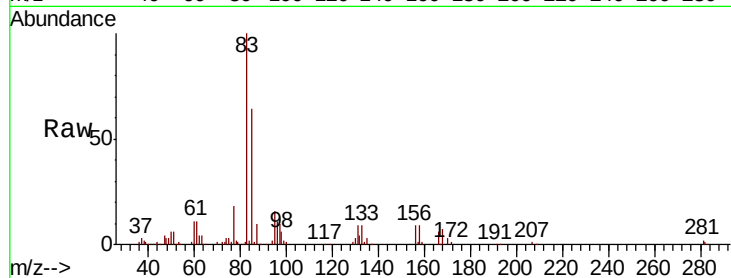
ClientSampleId :

VN1114WBSD01

Tot Ion:	83	Resp:	144323
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	65.6	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 23.373 ug/l m

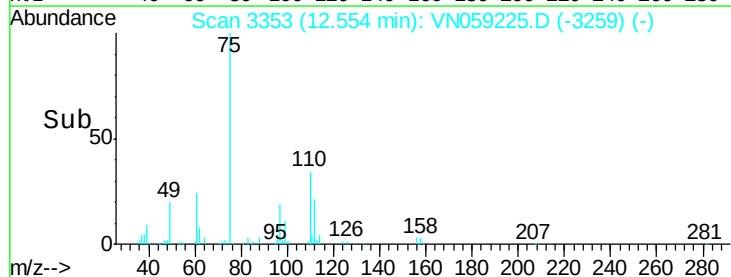
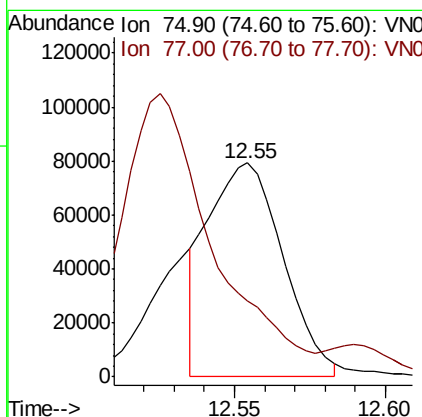
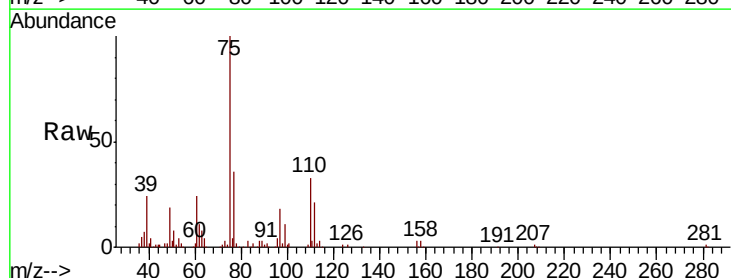
RT: 12.55 min Scan# 3353

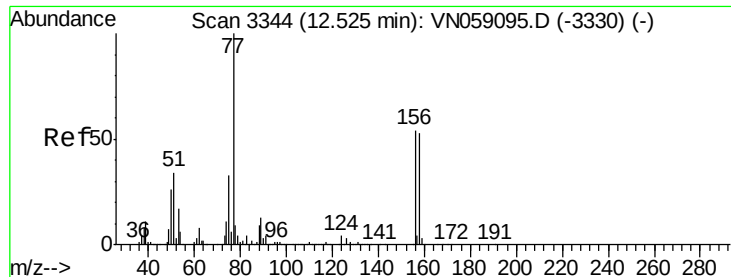
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	75	Resp:	137357
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.032 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

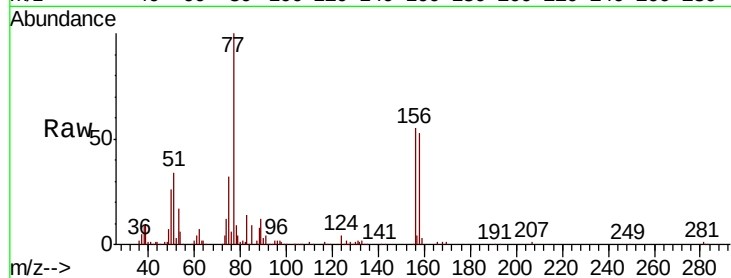
ClientSampleId :

VN1114WBSD01

Tot Ion:	156	Resp:	99216
Ion	Ratio	Lower	Upper
156	100		
77	224.5	112.8	338.3
158	97.1	48.4	145.3

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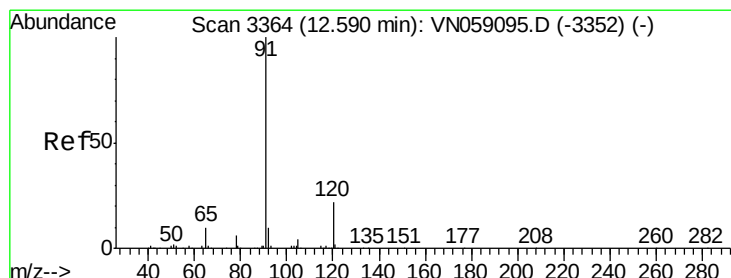
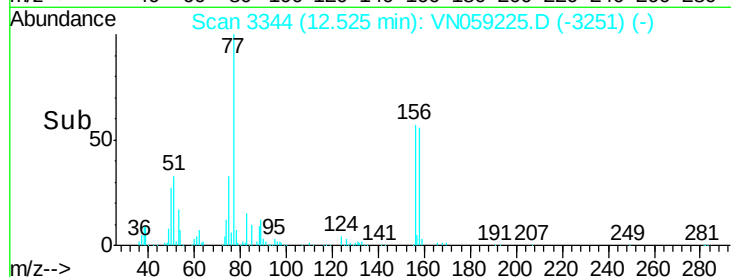
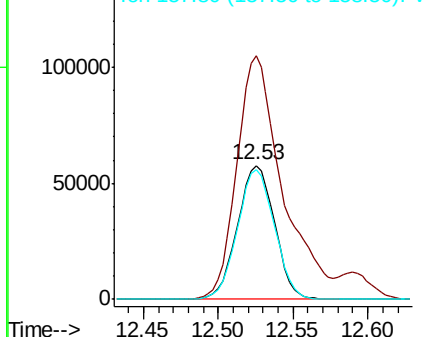
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.094 ug/l

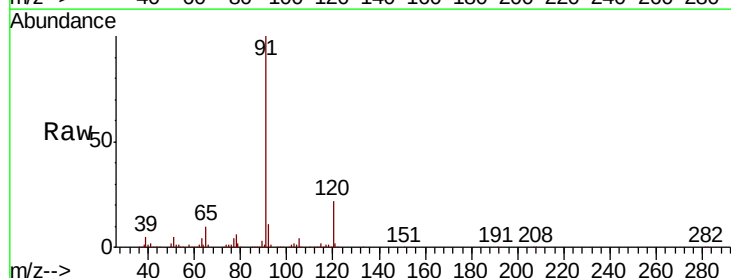
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059225.D

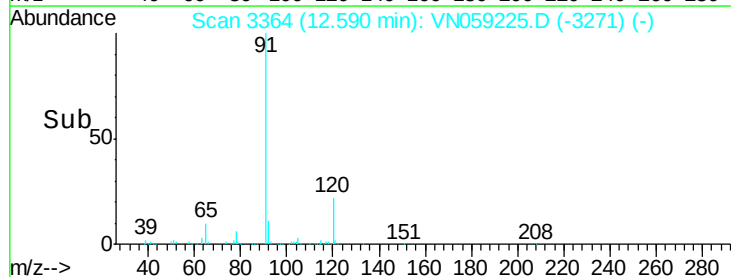
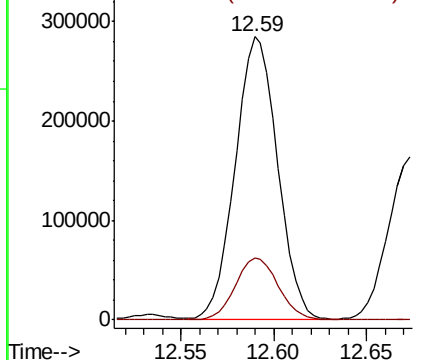
Acq: 14 Nov 2019 12:03

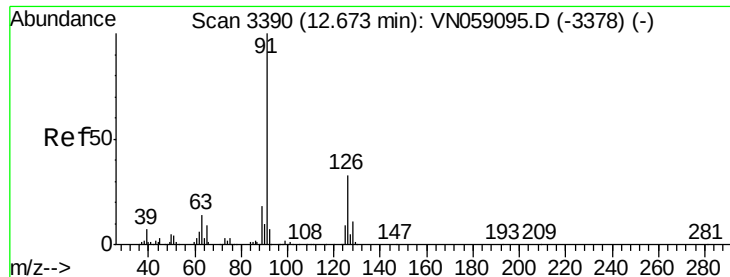
Tgt Ion:	91	Resp:	453503
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.698 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

VN1114WBSD01

Tot Ion: 91 Resp: 276050

Ion Ratio Lower Upper

91 100

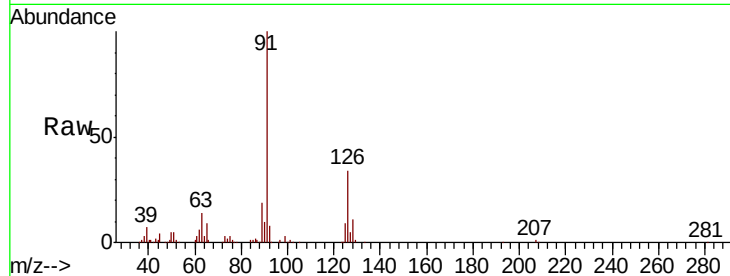
126 33.3 16.7 50.1

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Abundance Ion 91.00 (90.70 to 91.70): VN059225.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059225.D (-3297) (-)

200000

150000

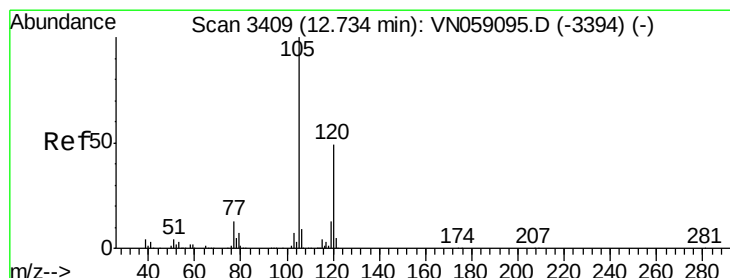
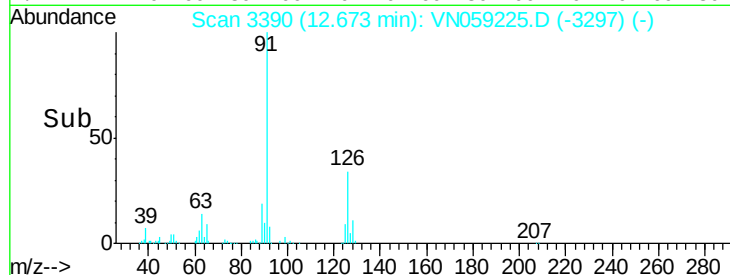
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059225.D

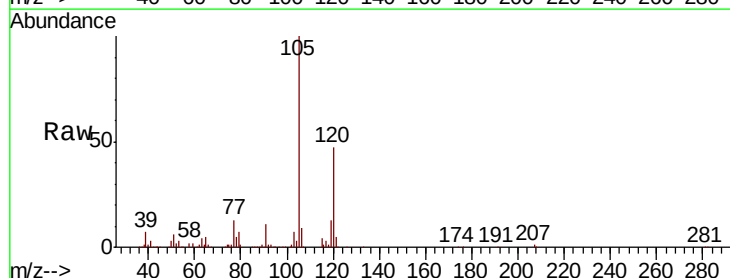
Acq: 14 Nov 2019 12:03

Tgt Ion: 105 Resp: 331895

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059225.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059225.D (-3316) (-)

250000

200000

150000

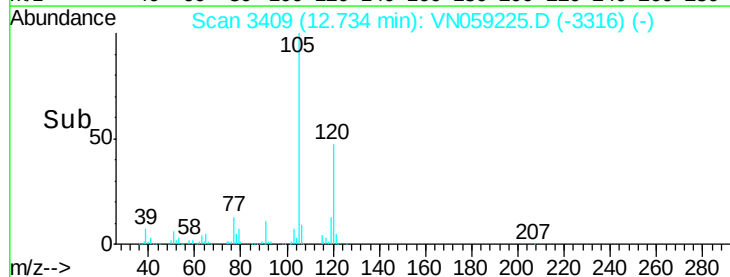
100000

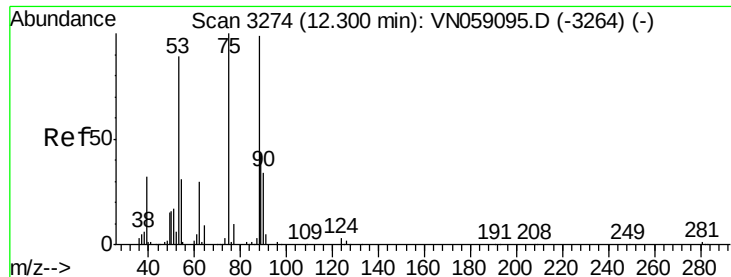
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.527 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

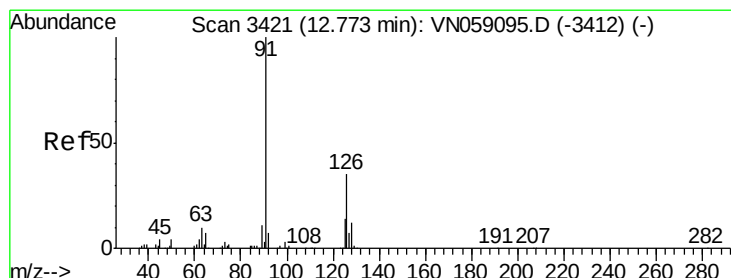
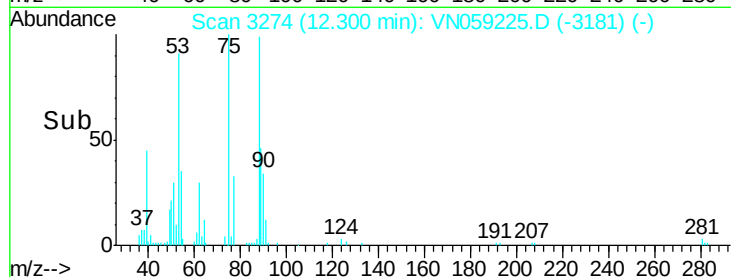
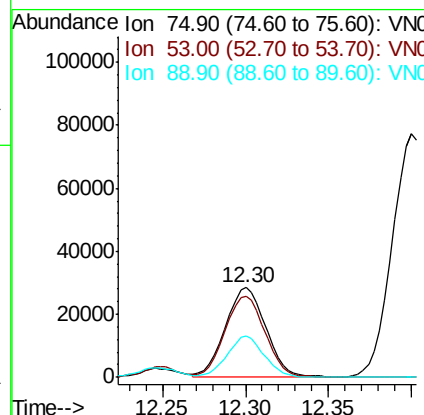
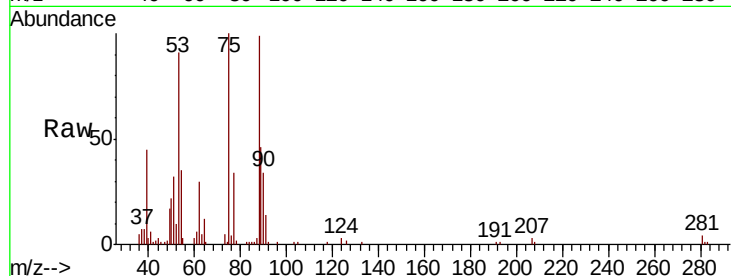
ClientSampleId :

VN1114WBSD01

Tot Ion:	75	Resp:	47897
Ion	Ratio	Lower	Upper
75	100		
53	91.9	72.2	108.2
89	42.6	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.926 ug/l

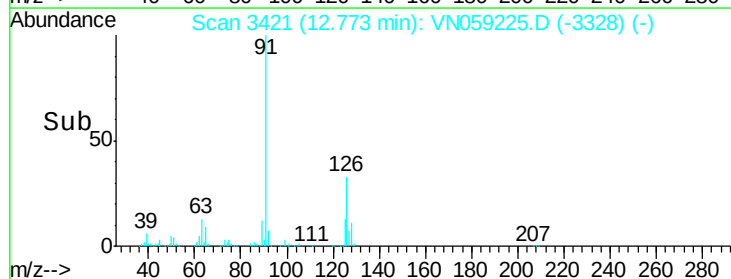
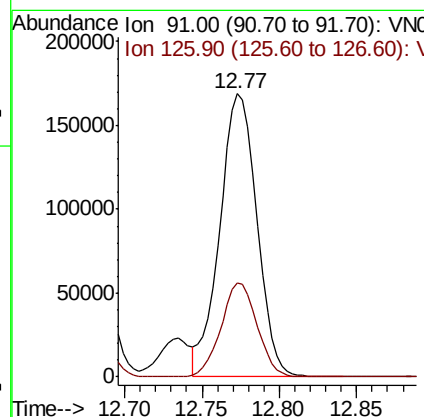
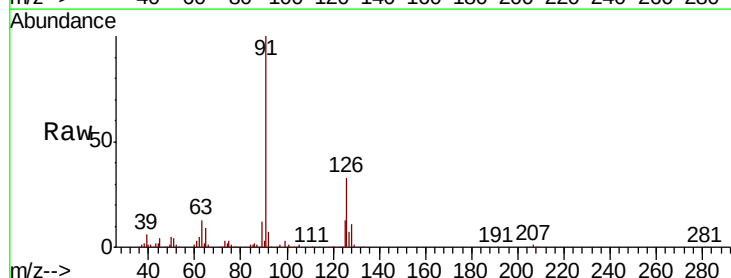
RT: 12.77 min Scan# 3421

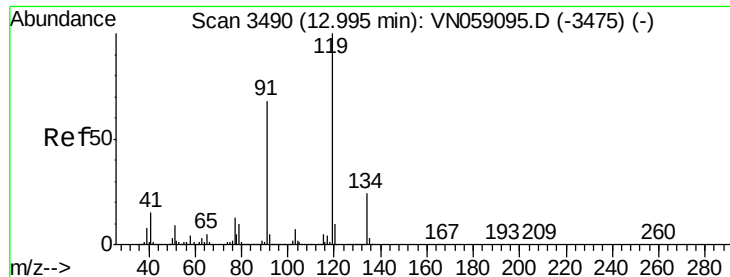
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	91	Resp:	279924
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2





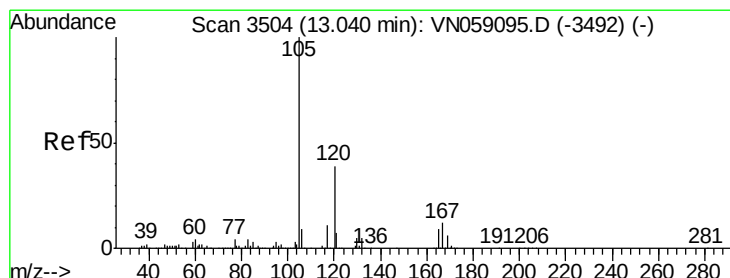
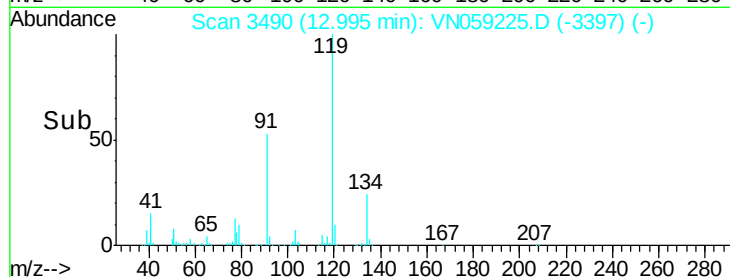
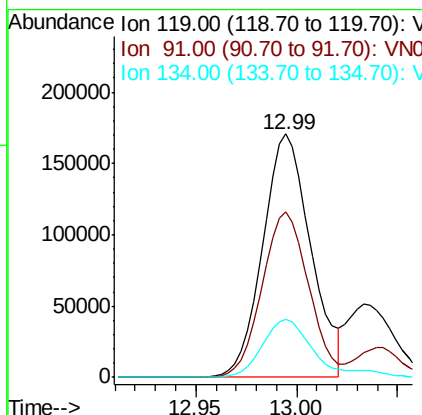
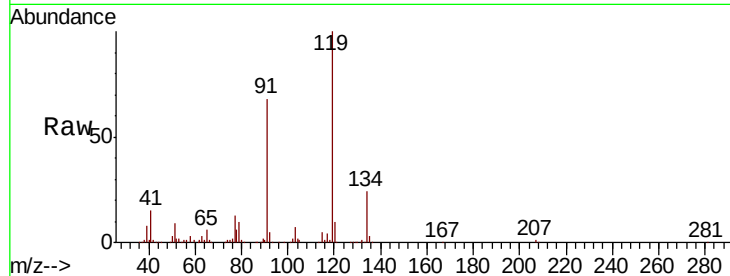
#83
 tert-Butylbenzene
 Concen: 20.586 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.2	99.6
134	24.0	12.7	38.1

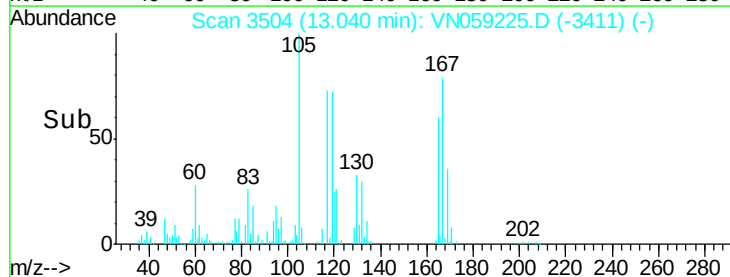
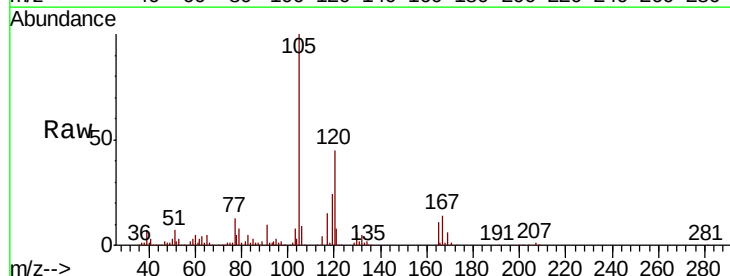
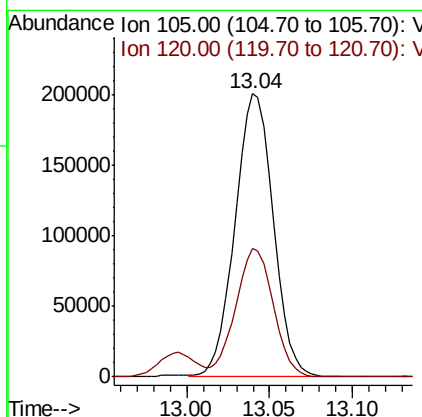
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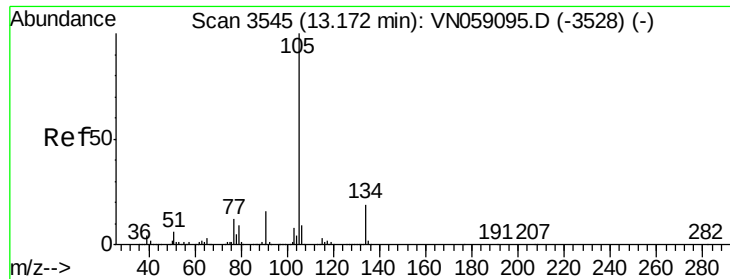
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.835 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4





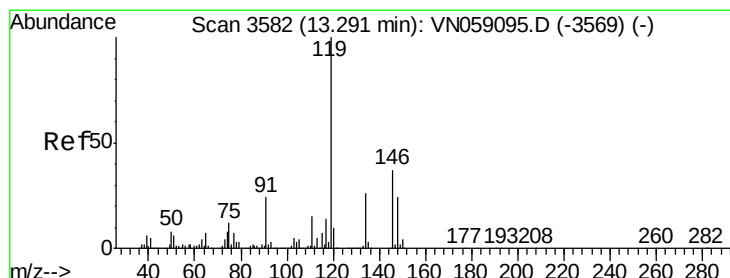
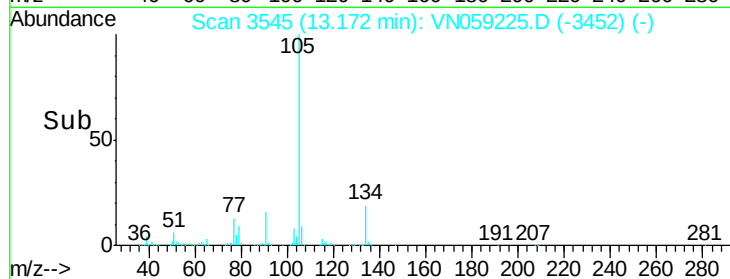
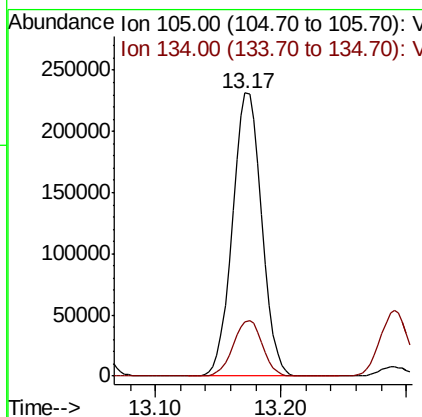
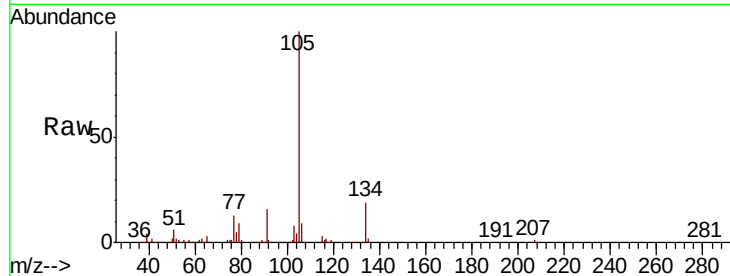
#85
 sec-Butylbenzene
 Concen: 20.923 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.7	29.1

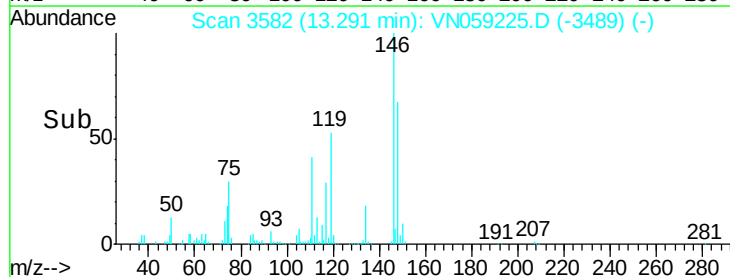
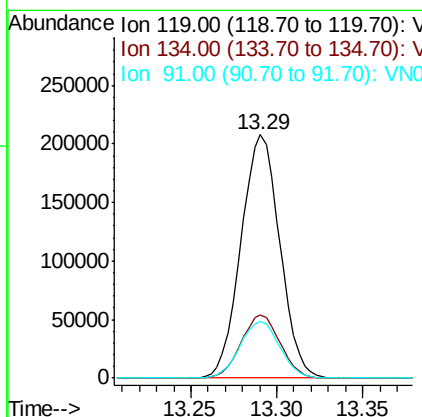
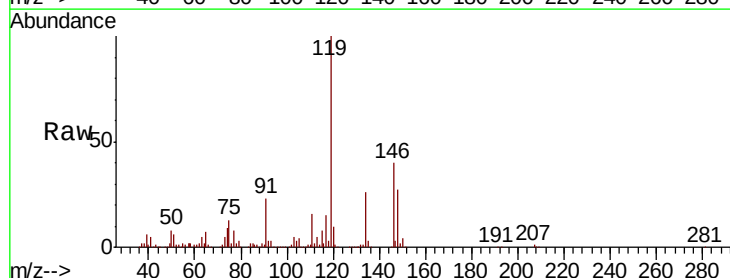
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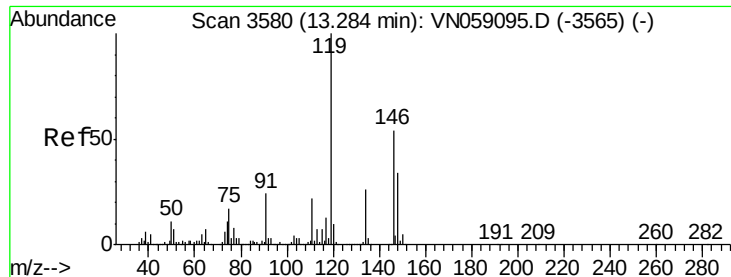
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#86
 p-Isopropyltoluene
 Concen: 20.612 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	23.8	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 20.821 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059225.D

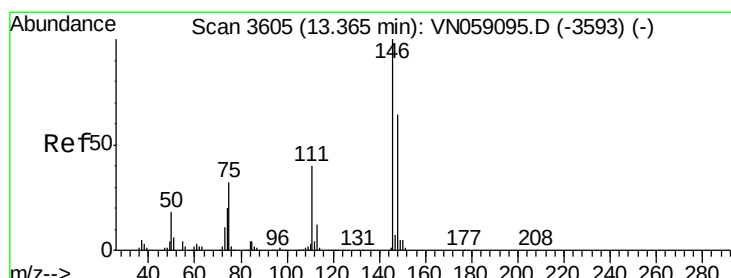
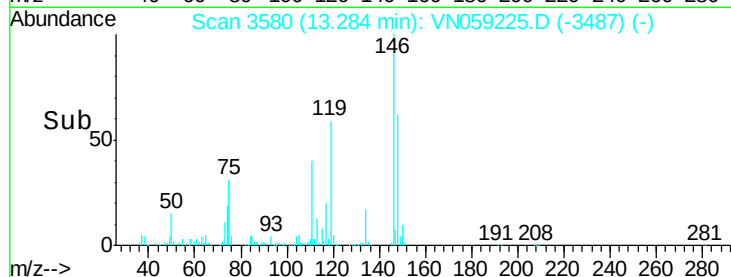
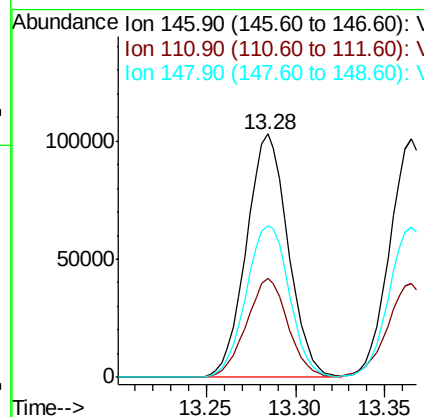
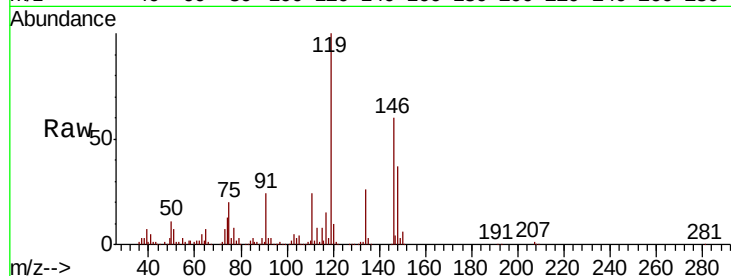
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	64.6	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 20.384 ug/l

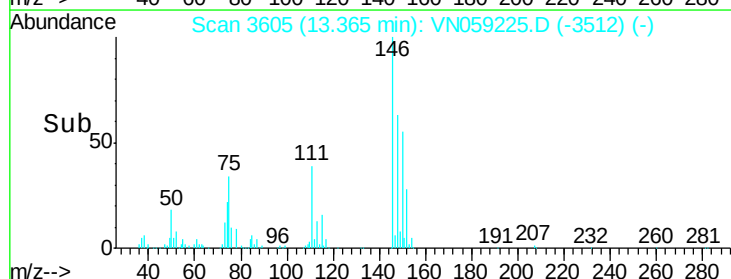
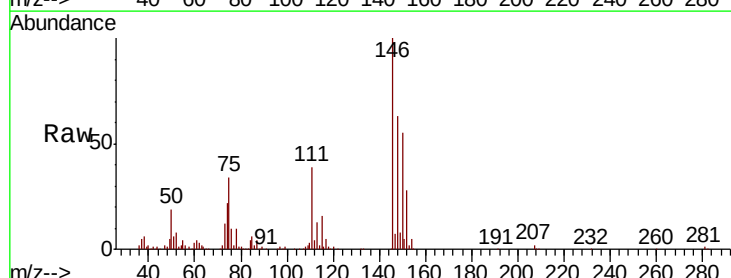
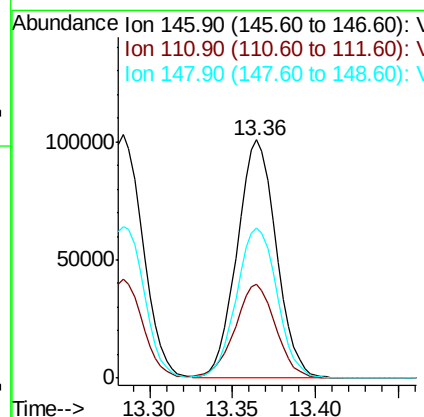
RT: 13.36 min Scan# 3605

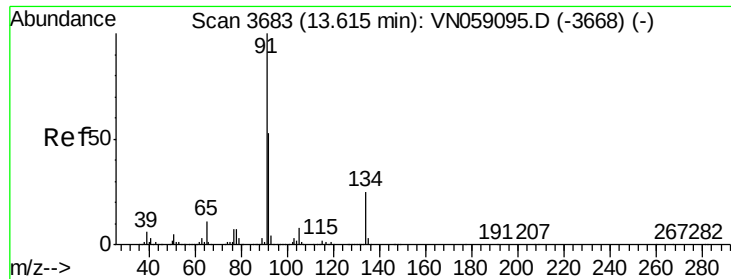
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.9
148	65.6	31.9	95.7





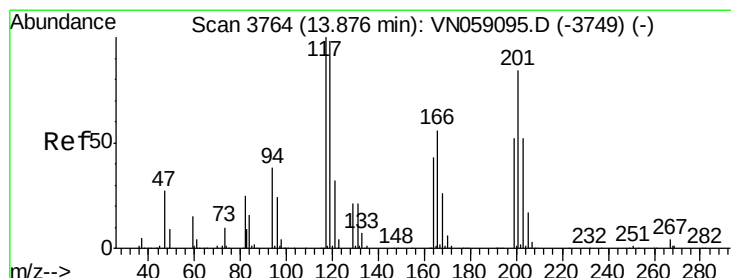
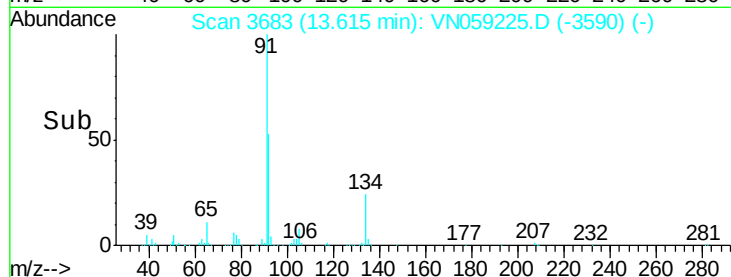
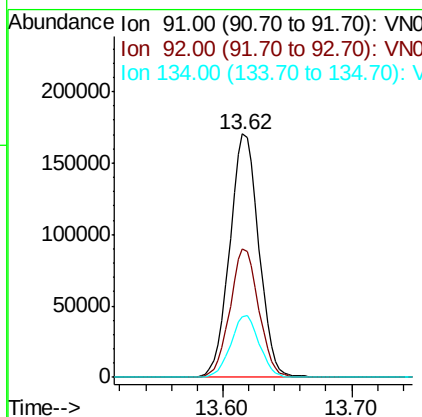
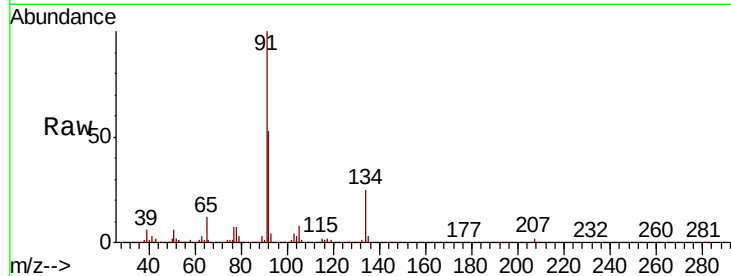
#89
n-Butylbenzene
Concen: 19.291 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		266395		
92	52.2	26.1		78.3	
134	25.0	12.6		37.8	

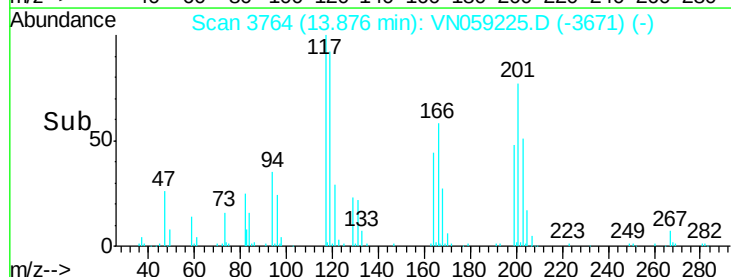
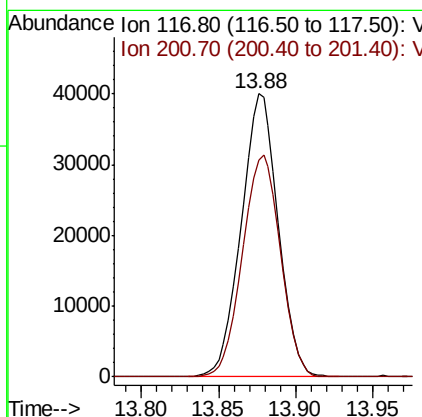
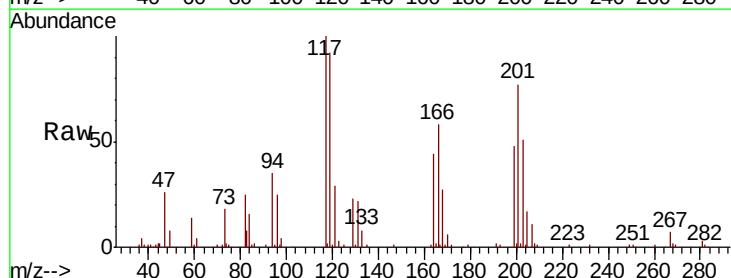
Manual Integrations
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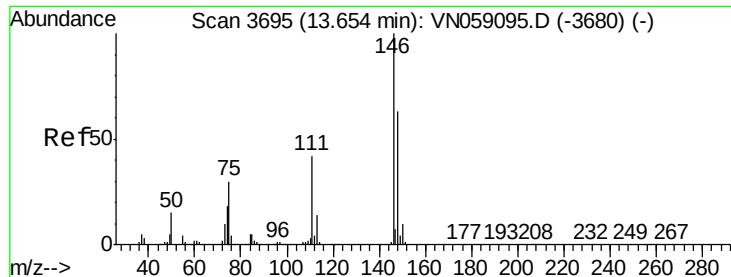
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#90
Hexachloroethane
Concen: 20.995 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		66516		
201	80.6	41.8		125.3	





#91

1,2-Dichlorobenzene

Concen: 21.490 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

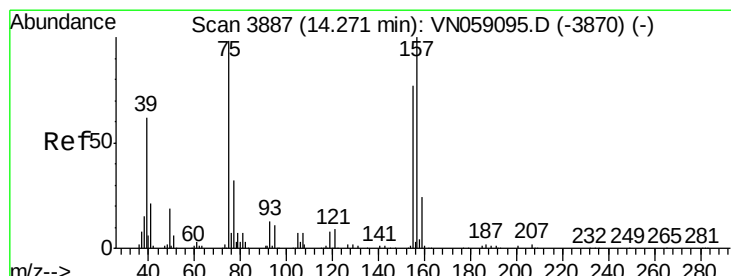
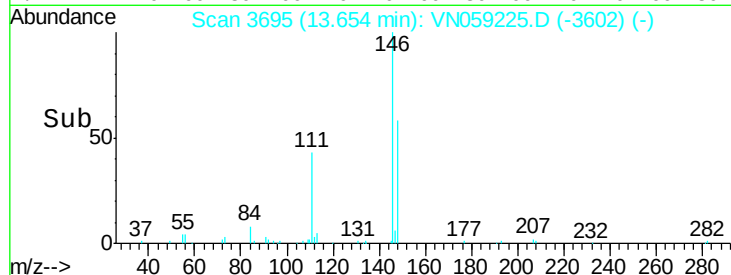
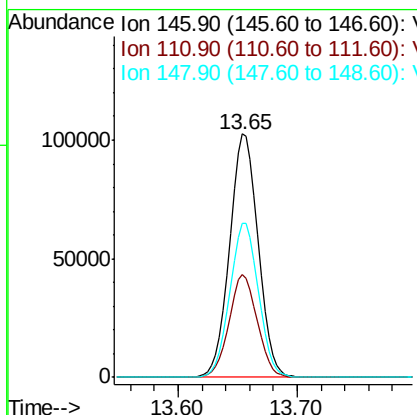
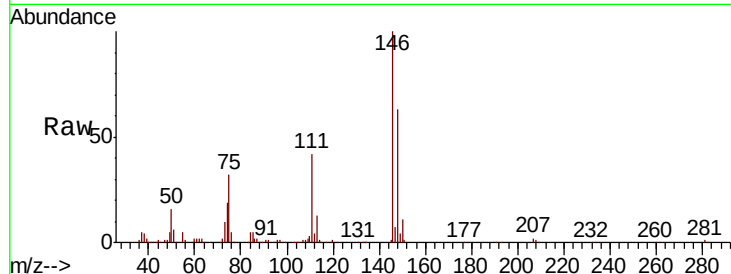
ClientSampleId :

VN1114WBSD01

Tot Ion:	146	Resp:	170772
Ion Ratio		Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 23.157 ug/l

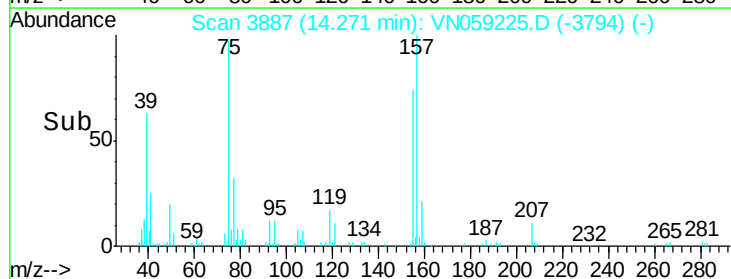
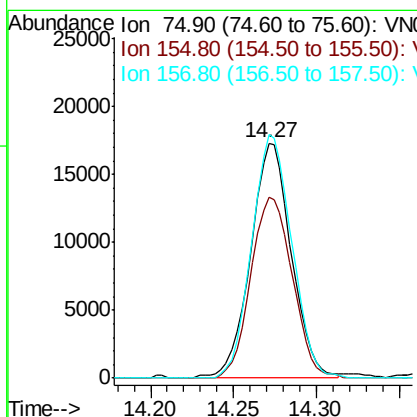
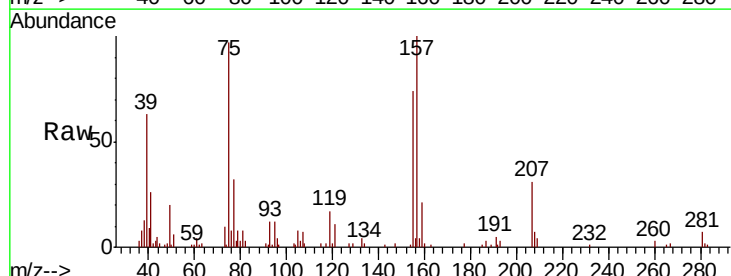
RT: 14.27 min Scan# 3887

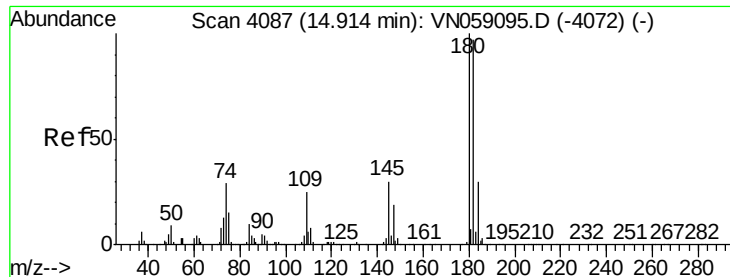
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	75	Resp:	29524
Ion Ratio		Lower	Upper
75	100		
155	78.4	40.2	120.6
157	101.9	51.8	155.5





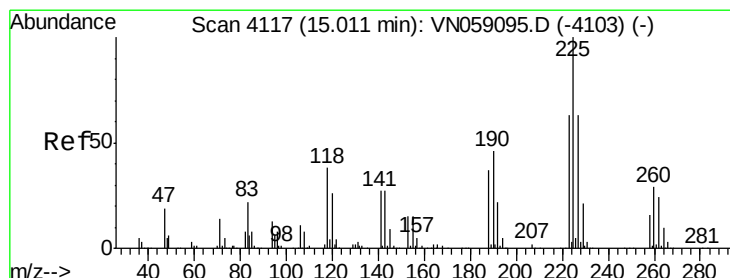
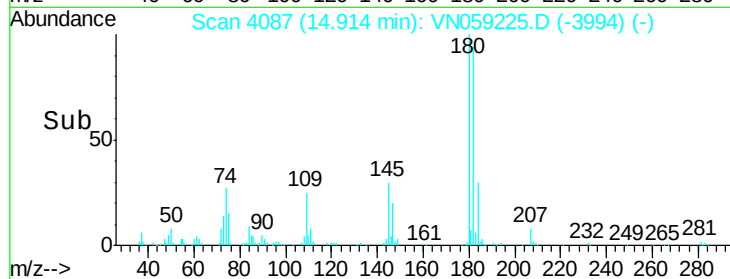
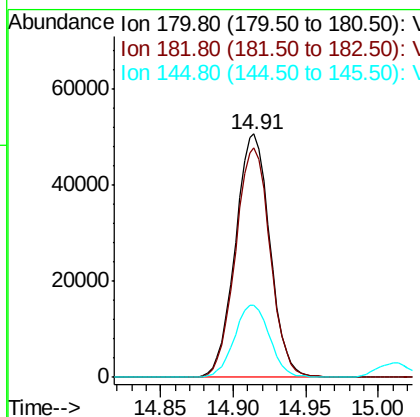
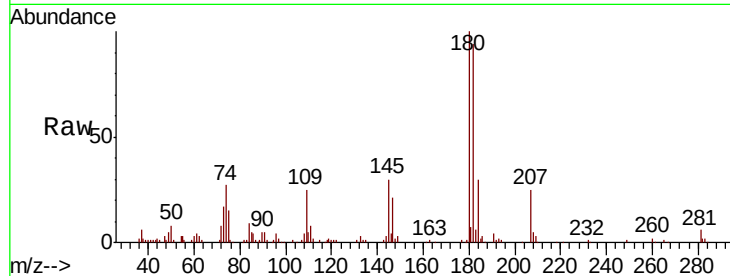
#93
 1,2,4-Trichlorobenzene
 Concen: 19.374 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	48.1	144.3	
145	30.2	15.1	45.3	

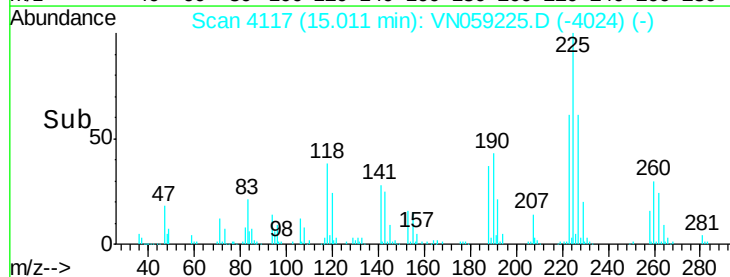
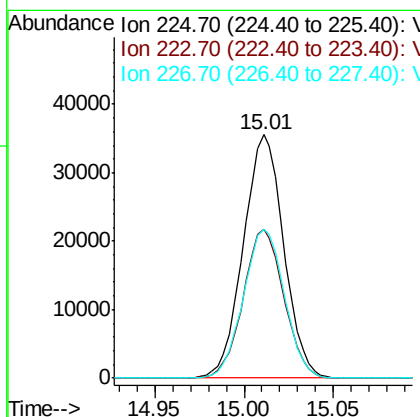
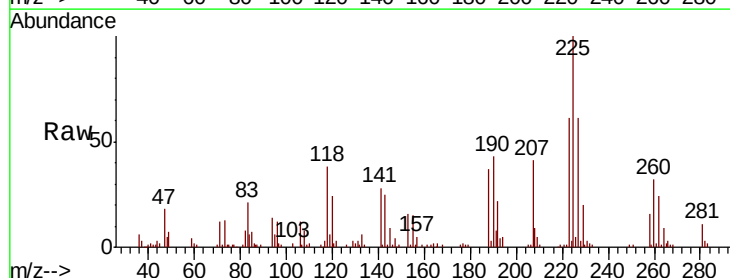
Manual Integrations
 APPROVED

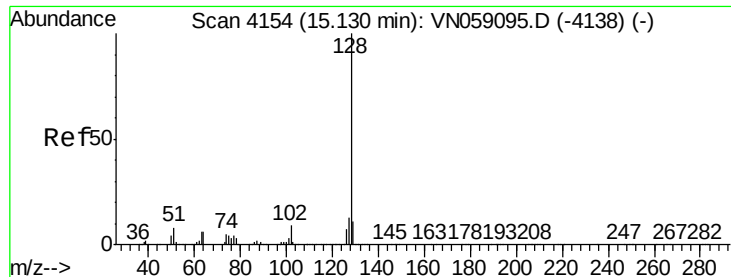
MMDadoda
 11/15/2019 10:21:53 AM



#94
 Hexachlorobutadiene
 Concen: 20.478 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.3	93.9	
227	62.2	31.5	94.5	





#95

Naphthalene

Concen: 19.301 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

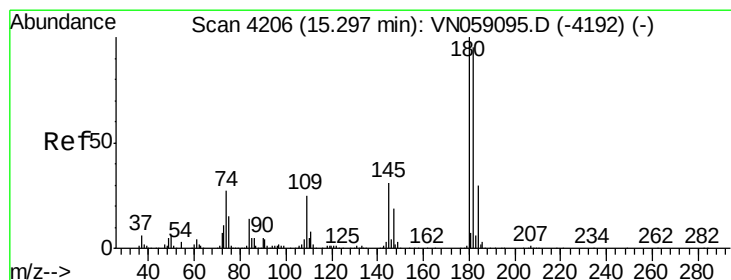
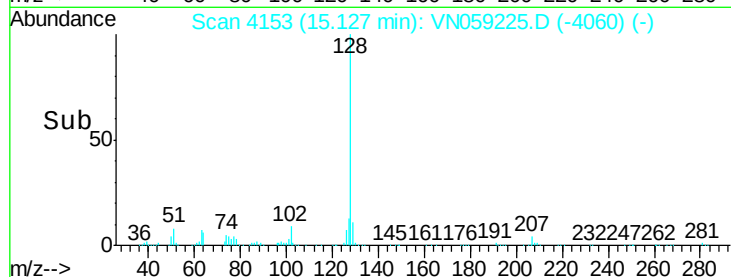
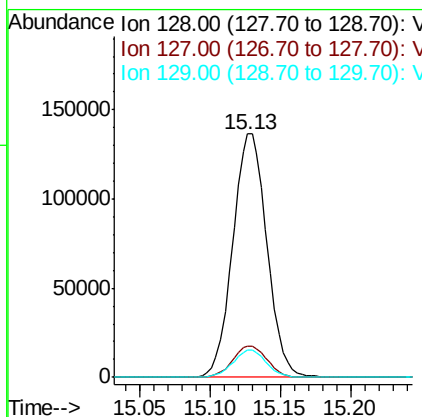
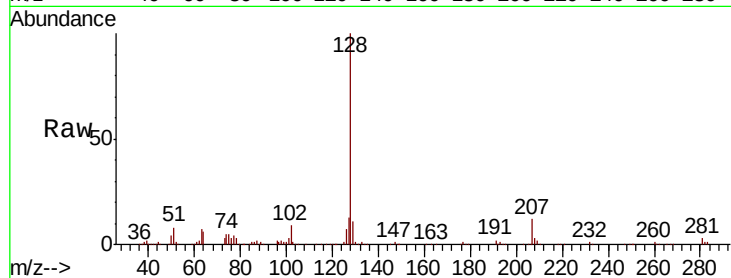
ClientSampleId :

VN1114WBSD01

Tot Ion:	128	Resp:	231542
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/15/2019 10:21:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.645 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	180	Resp:	87486
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.3	141.8
145	32.7	15.8	47.3

