

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059309.D
 Acq On : 19 Nov 2019 16:27
 Operator : JC/SP
 Sample : VN1119WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Manual Integrations
 APPROVED

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 11/20/2019 1:37:05 PM

Quant Time: Nov 20 02:52:20 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	381522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	536098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249087	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	231342	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
35) Dibromofluoromethane	7.57	113	189272	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
50) Toluene-d8	10.08	98	692940	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
62) 4-Bromofluorobenzene	12.40	95	255076	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	120241	31.280	ug/l	99
3) Chloromethane	2.04	50	132705	25.397	ug/l	100
4) Vinyl Chloride	2.17	62	141746	27.980	ug/l	100
5) Bromomethane	2.55	94	75272	25.820	ug/l	99
6) Chloroethane	2.69	64	73428	24.502	ug/l	99
7) Trichlorofluoromethane	3.00	101	143510	23.683	ug/l	98
8) Diethyl Ether	3.39	74	60994	24.773	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90102	24.662	ug/l	99
10) Methyl Iodide	3.93	142	106969	23.654	ug/l	98
11) Tert butyl alcohol	4.75	59	101165	113.186	ug/l	98
12) 1,1-Dichloroethene	3.71	96	87387	24.554	ug/l	99
13) Acrolein	3.58	56	35657	77.377	ug/l	98
14) Allyl chloride	4.29	41	167325	22.888	ug/l	99
15) Acrylonitrile	4.95	53	263154	118.307	ug/l	99
16) Acetone	3.79	43	219904	90.168	ug/l	98
17) Carbon Disulfide	4.03	76	273507	24.756	ug/l	99
18) Methyl Acetate	4.29	43	149165	25.768	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	302861	24.717	ug/l	99
20) Methylene Chloride	4.52	84	100951	23.760	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	94344	24.696	ug/l	94
22) Diisopropyl ether	5.92	45	328347	23.778	ug/l	98
23) Vinyl Acetate	5.86	43	1300851	121.552	ug/l	100
24) 1,1-Dichloroethane	5.82	63	182696	23.688	ug/l	99
25) 2-Butanone	6.81	43	347486	108.108	ug/l	99
26) 2,2-Dichloropropane	6.79	77	153149	22.709	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	106261	23.975	ug/l	98
28) Bromochloromethane	7.17	49	46550	20.061	ug/l	97
29) Tetrahydrofuran	7.18	42	238548	116.802	ug/l	98
30) Chloroform	7.35	83	175523	23.724	ug/l	100
31) Cyclohexane	7.63	56	172536	23.631	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	145697	23.423	ug/l	99
36) 1,1-Dichloropropene	7.77	75	135199	24.026	ug/l	99
37) Ethyl Acetate	6.90	43	146016	23.325	ug/l	99
38) Carbon Tetrachloride	7.75	117	129084	23.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	163666	25.060	ug/l	98
40) Benzene	8.02	78	403440	23.808	ug/l	99
41) Methacrylonitrile	7.16	41	73749m	27.092	ug/l	
42) 1,2-Dichloroethane	8.10	62	135273	23.275	ug/l	99
43) Isopropyl Acetate	8.14	43	226682	22.713	ug/l	99
44) Trichloroethene	8.82	130	99953	23.995	ug/l	98
45) 1,2-Dichloropropane	9.10	63	108235	23.515	ug/l	99
46) Dibromomethane	9.19	93	66659	23.241	ug/l	99
47) Bromodichloromethane	9.39	83	134938	23.561	ug/l	98
48) Methyl methacrylate	9.18	41	101216	22.673	ug/l	98
49) 1,4-Dioxane	9.18	88	34271	431.982	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	705431	124.920	ug/l	100
52) Toluene	10.15	92	241936	23.820	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	152720	23.080	ug/l	96
54) cis-1,3-Dichloropropene	9.83	75	167503	23.533	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	96332	23.436	ug/l	99
56) Ethyl methacrylate	10.42	69	145091	22.243	ug/l	98
57) 1,3-Dichloropropane	10.70	76	167160	23.628	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	265337	115.989	ug/l	98
59) 2-Hexanone	10.74	43	502419	115.914	ug/l	98
60) Dibromochloromethane	10.90	129	101837	23.432	ug/l	100
61) 1,2-Dibromoethane	11.00	107	98070	23.568	ug/l	99
64) Tetrachloroethene	10.63	164	89912	24.665	ug/l	97
65) Chlorobenzene	11.43	112	254810	24.382	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94680	24.151	ug/l	98
67) Ethyl Benzene	11.51	91	461099	24.868	ug/l	98
68) m/p-Xylenes	11.62	106	344903	49.658	ug/l	99
69) o-Xylene	11.95	106	163529	24.363	ug/l	99
70) Styrene	11.96	104	257352	24.379	ug/l	99
71) Bromoform	12.13	173	71570	23.471	ug/l #	99
73) Isopropylbenzene	12.25	105	440267	24.299	ug/l	99
74) N-amyl acetate	12.07	43	173871	22.647	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	143966	23.332	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132628m	23.388	ug/l	
77) Bromobenzene	12.53	156	105461	23.167	ug/l	98
78) n-propylbenzene	12.59	91	505632	24.373	ug/l	99
79) 2-Chlorotoluene	12.68	91	300922	23.382	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	372217	24.244	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48597	22.635	ug/l	100
82) 4-Chlorotoluene	12.77	91	303908	23.544	ug/l	98
83) tert-Butylbenzene	12.99	119	315136	23.769	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	361814	24.358	ug/l	99
85) sec-Butylbenzene	13.17	105	419335	24.319	ug/l	100
86) p-Isopropyltoluene	13.29	119	376634	24.737	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	186369	23.908	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	182861	23.446	ug/l	99
89) n-Butylbenzene	13.62	91	323683	24.290	ug/l	99
90) Hexachloroethane	13.88	117	68132	22.285	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	182359	23.781	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27903	22.681	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101283	23.490	ug/l	99
94) Hexachlorobutadiene	15.01	225	65491	24.770	ug/l	99
95) Naphthalene	15.13	128	272320	22.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	102366	23.820	ug/l	99

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

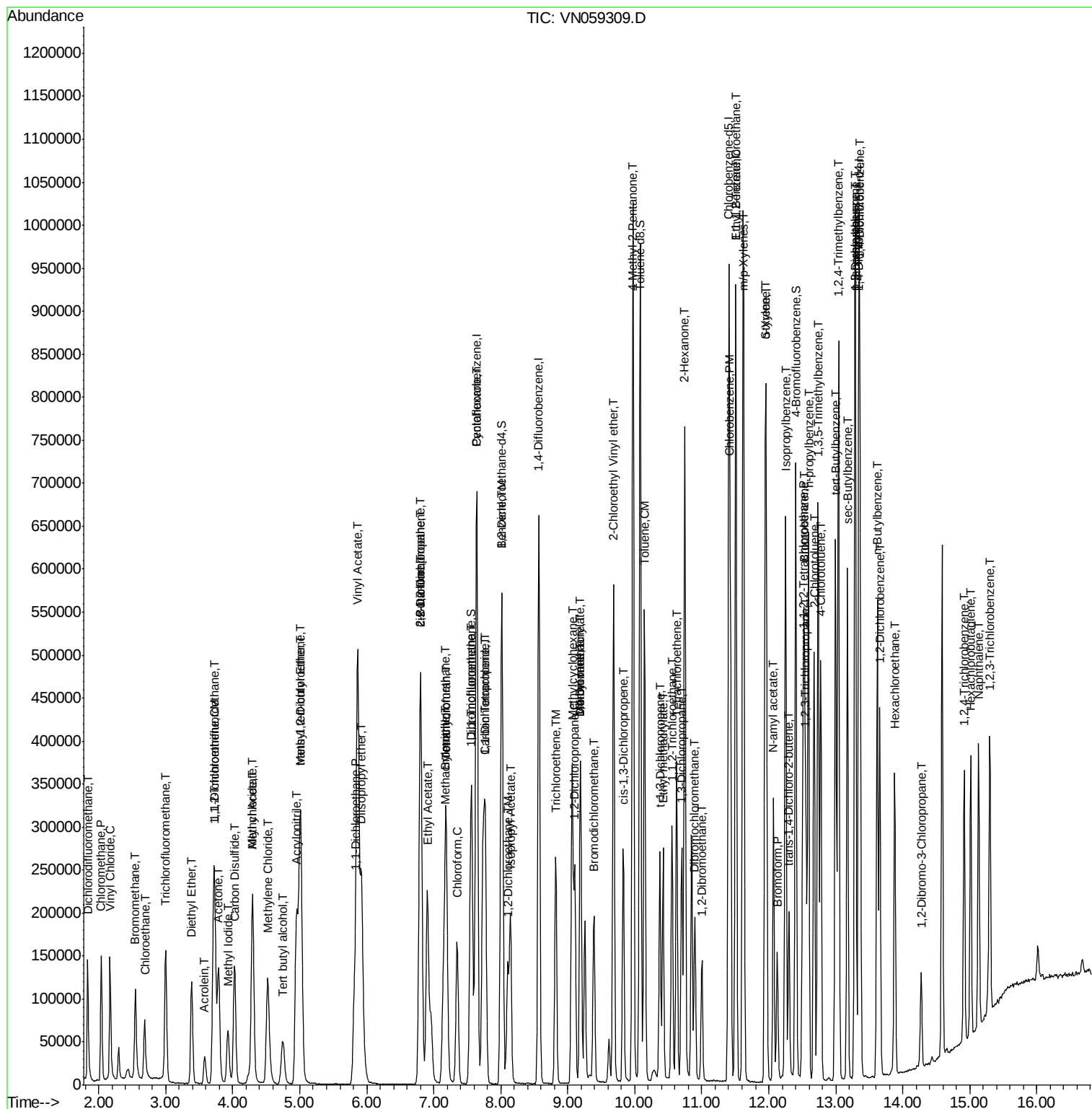
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Data File : VN059309.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion:168 Resp: 381522

Ion Ratio Lower Upper

168 100

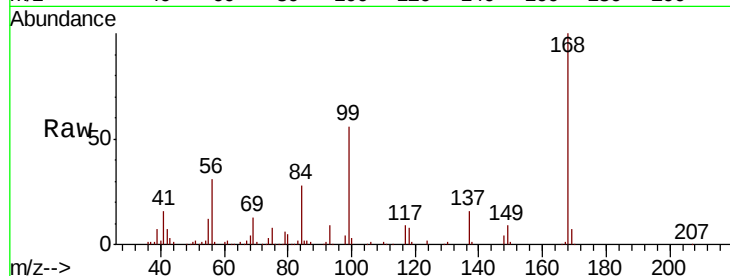
99 55.3 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

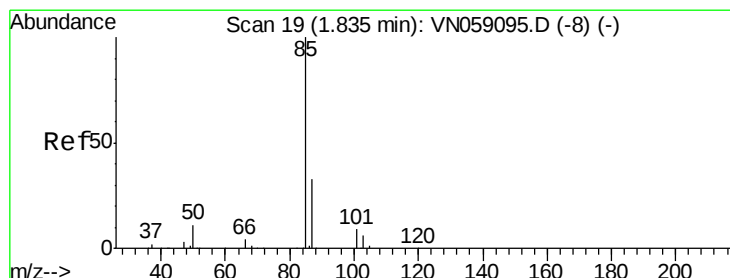
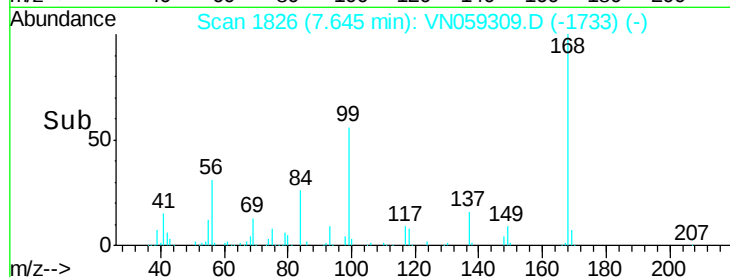
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 31.280 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059309.D

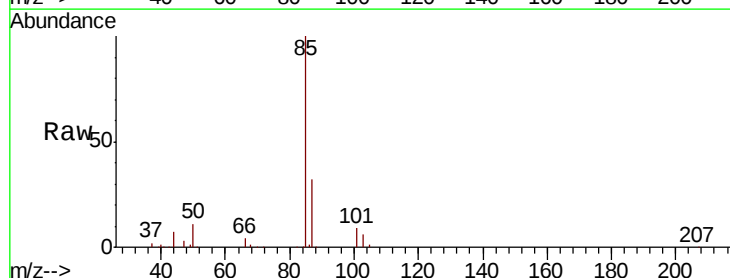
Acq: 19 Nov 2019 16:27

Tgt Ion: 85 Resp: 120241

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

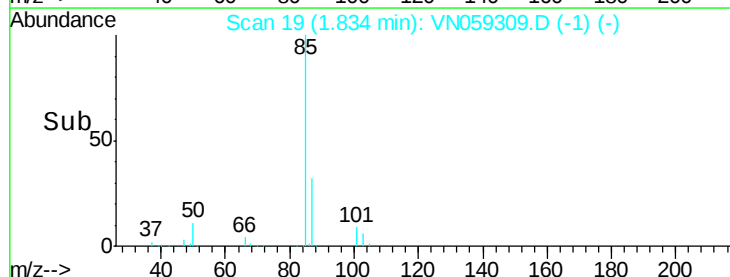
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 25.397 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 50 Resp: 132705

Ion Ratio Lower Upper

50 100

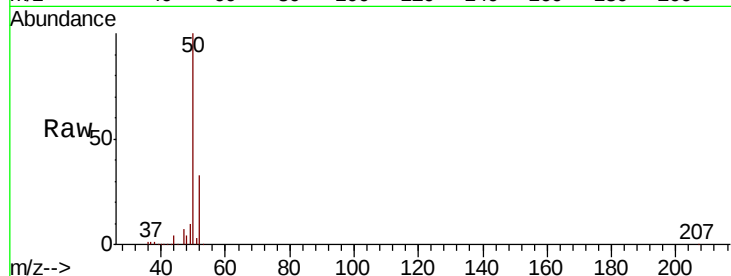
52 32.6 26.0 39.0

Manual Integrations

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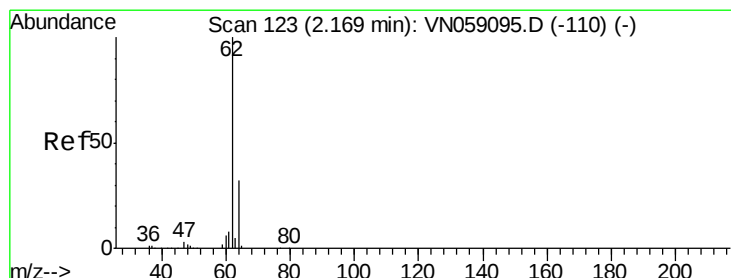
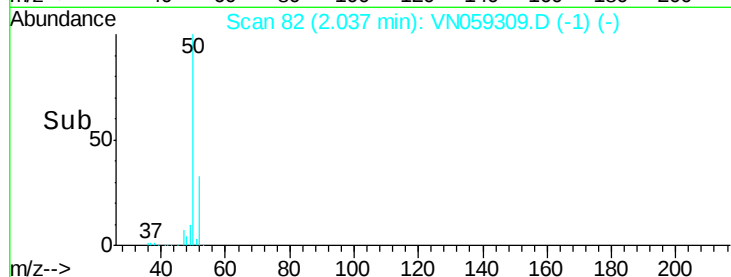
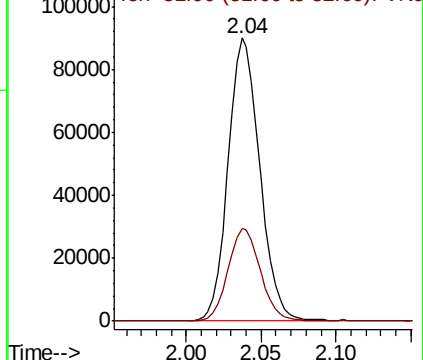
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 27.980 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059309.D

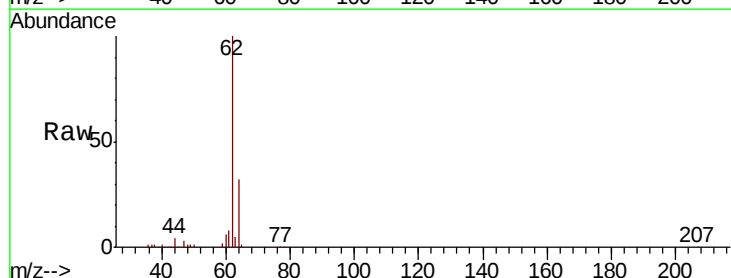
Acq: 19 Nov 2019 16:27

Tgt Ion: 62 Resp: 141746

Ion Ratio Lower Upper

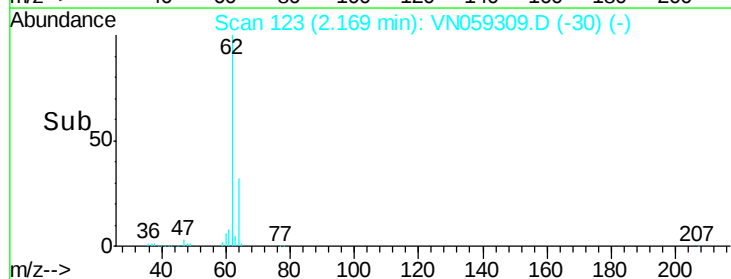
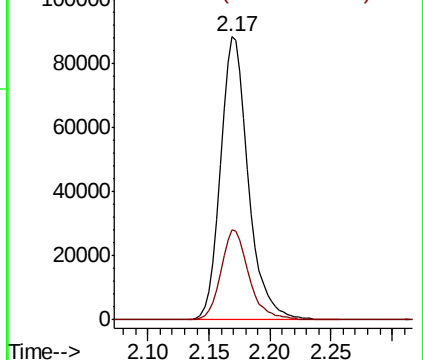
62 100

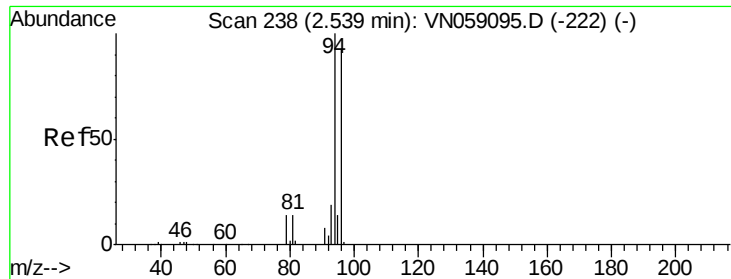
64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 25.820 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

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Tot Ion: 94 Resp: 75272

Ion Ratio Lower Upper

94 100

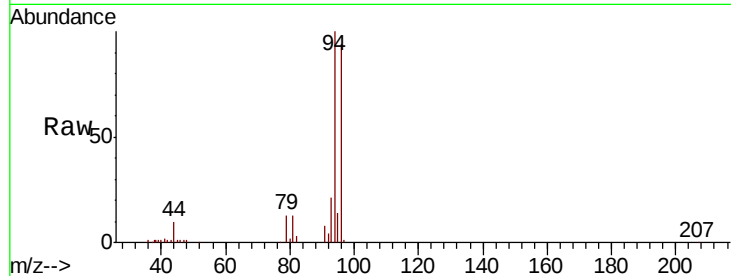
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Manual Integrations

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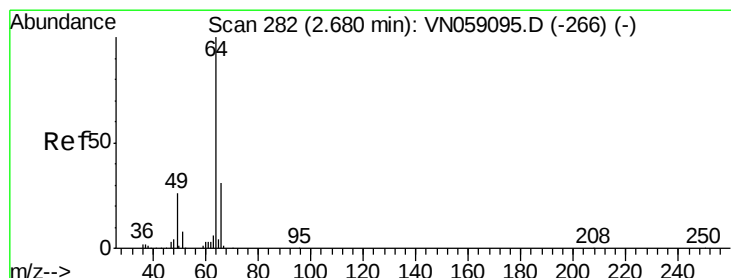
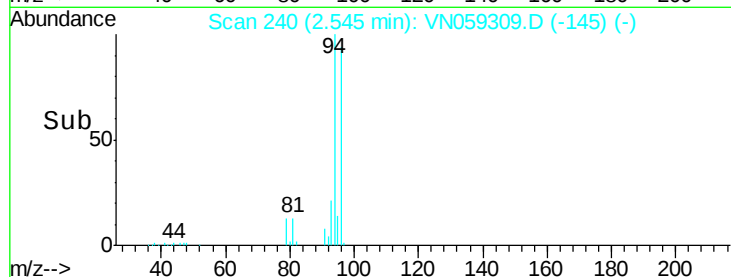
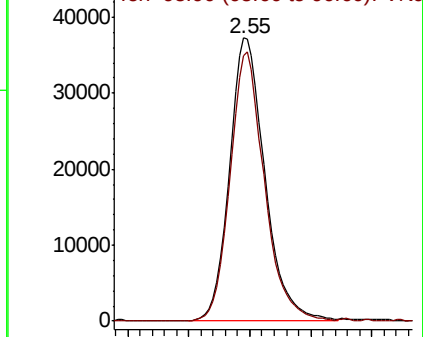
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 24.502 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059309.D

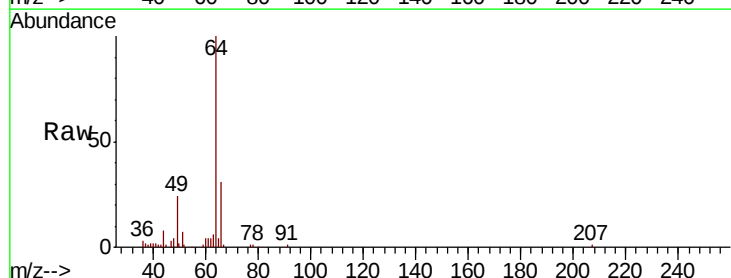
Acq: 19 Nov 2019 16:27

Tgt Ion: 64 Resp: 73428

Ion Ratio Lower Upper

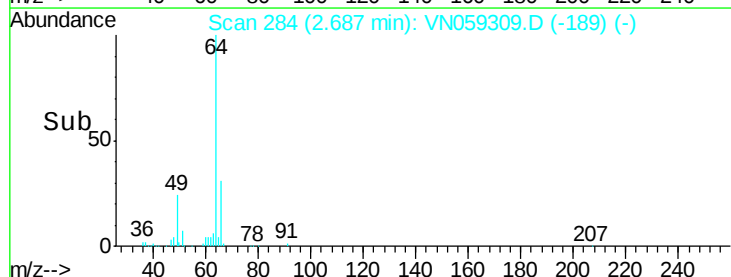
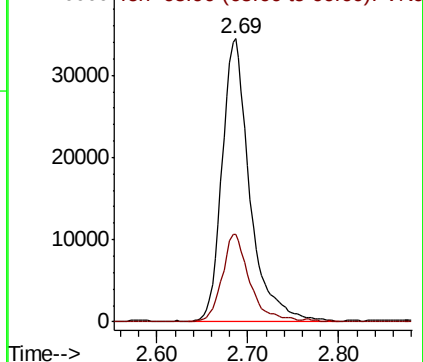
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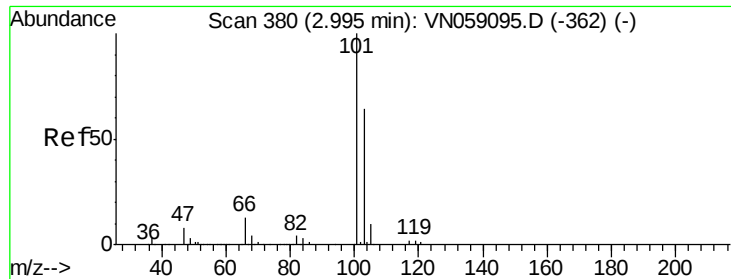
66 30.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

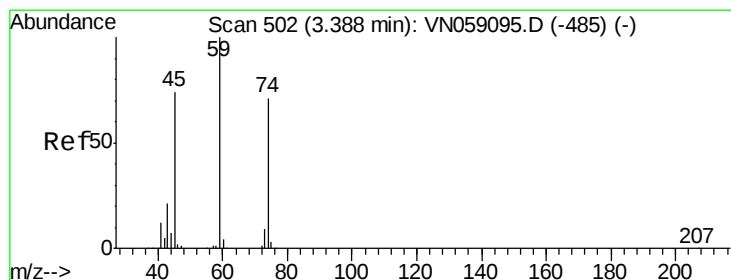
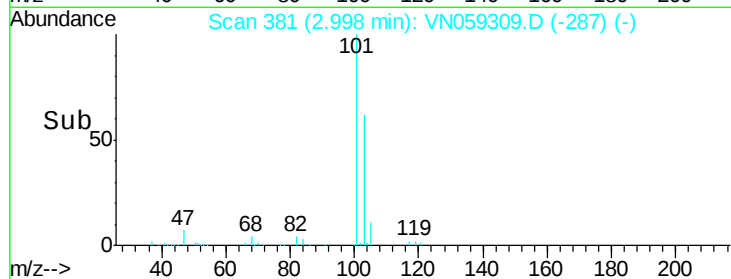
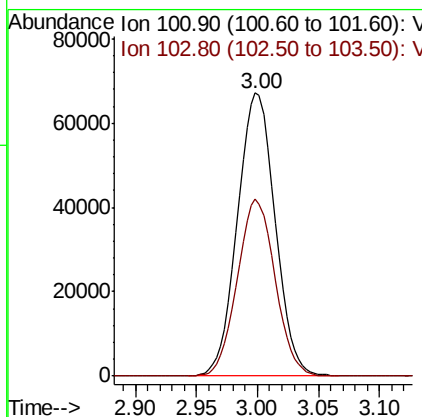
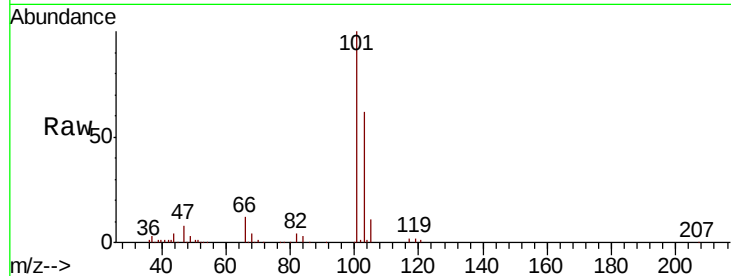
Trichlorofluoromethane
 Concen: 23.683 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.2	76.8

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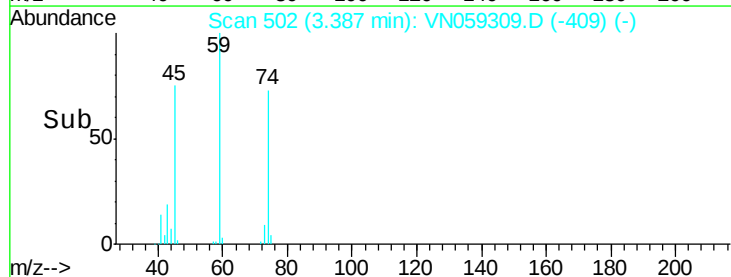
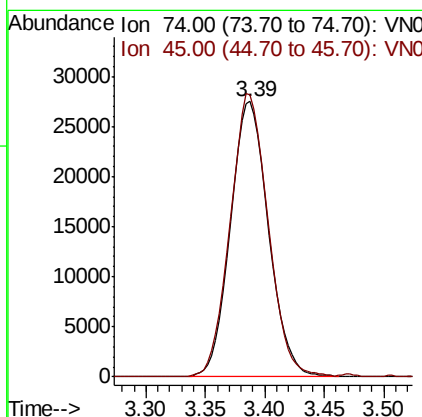
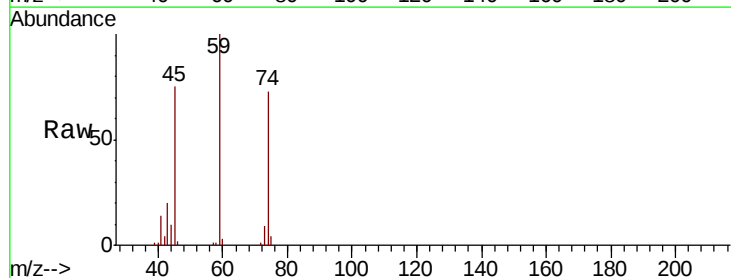
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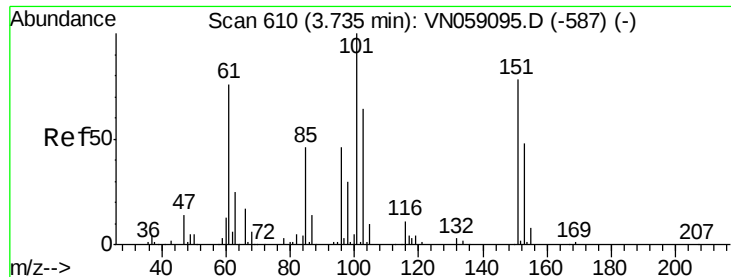


#8

Diethyl Ether
 Concen: 24.773 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.662 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059309.D

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Instrument :

MSVOA_N

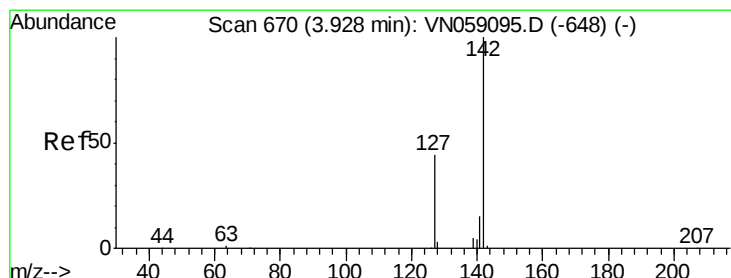
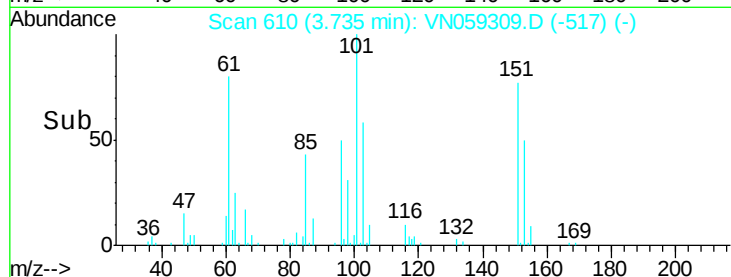
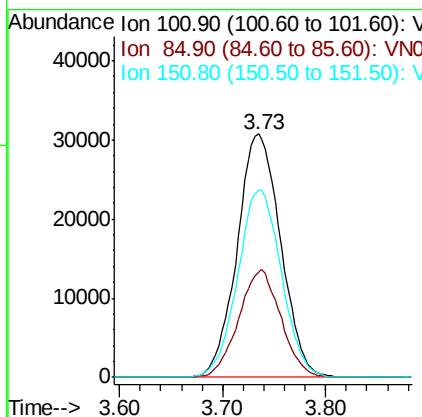
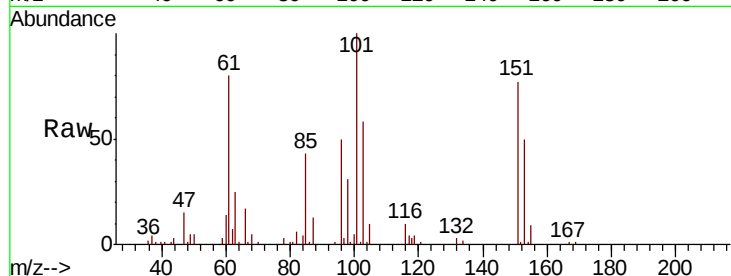
ClientSampleId :

VN1119WBSD04

Tot Ion:	101	Resp:	90102
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.5	53.3
151	77.4	62.2	93.2

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#10

Methyl Iodide

Concen: 23.654 ug/l

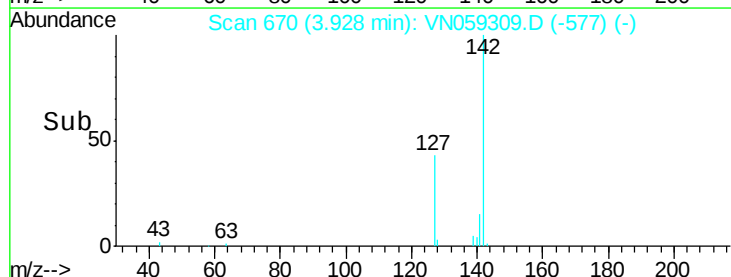
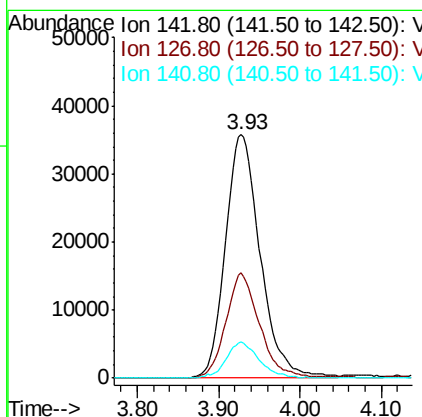
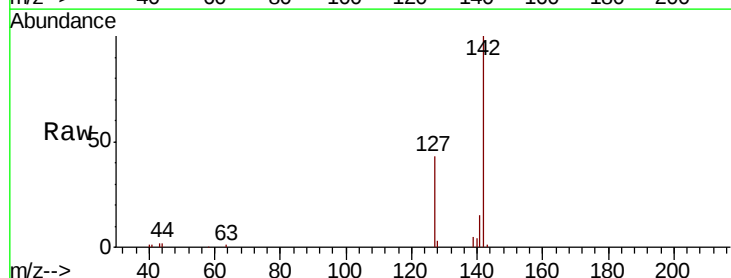
RT: 3.93 min Scan# 670

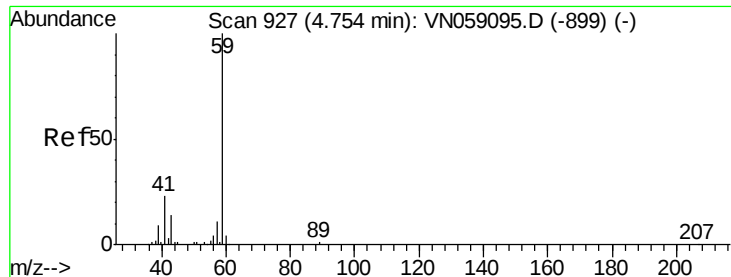
Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion:	142	Resp:	106969
Ion Ratio	Lower	Upper	
142	100		
127	41.5	34.2	51.2
141	13.9	11.4	17.0





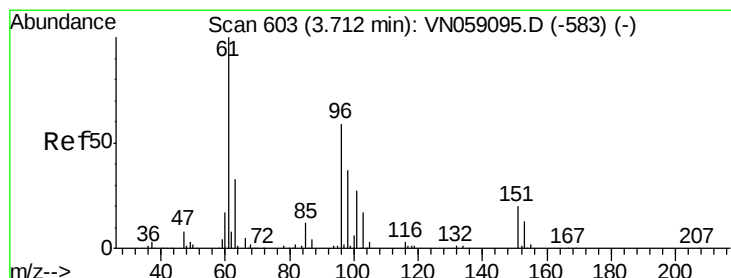
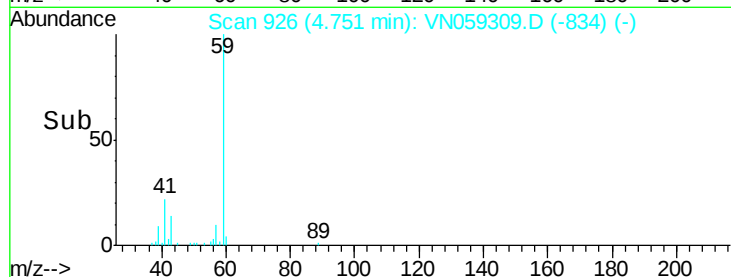
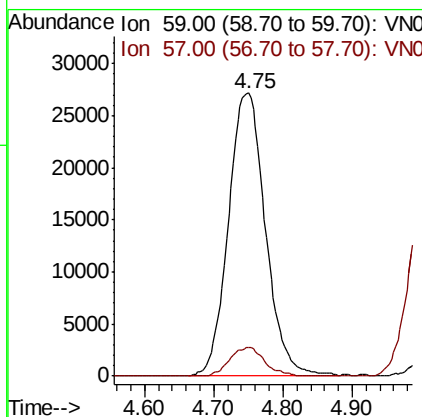
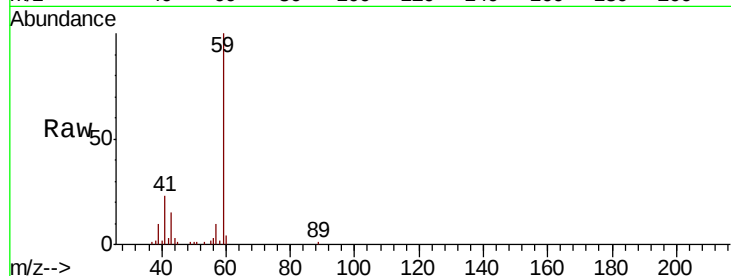
#11
Tert butyl alcohol
Concen: 113.186 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

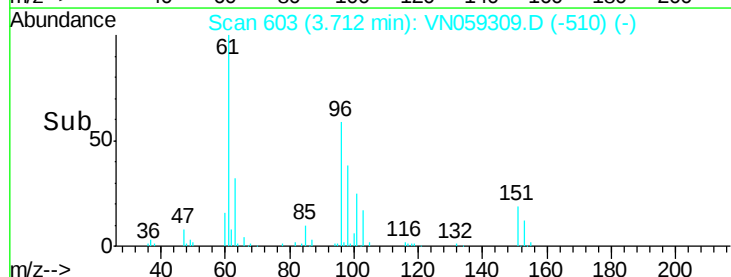
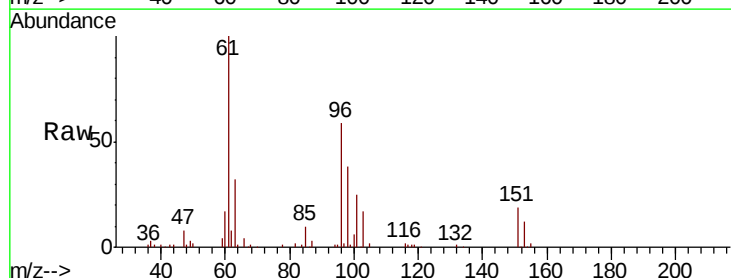
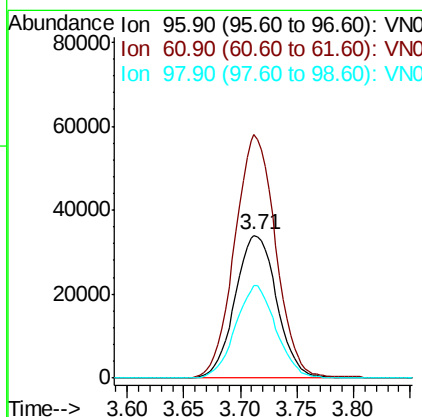
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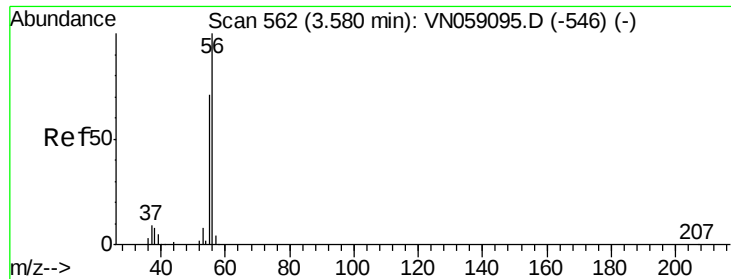
MMDadoda
11/20/2019 1:37:05 PM



#12
1,1-Dichloroethene
Concen: 24.554 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	136.5	204.7
98	64.4	50.2	75.4





#13

Acrolein

Concen: 77.377 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 56 Resp: 35657

Ion Ratio Lower Upper

56 100

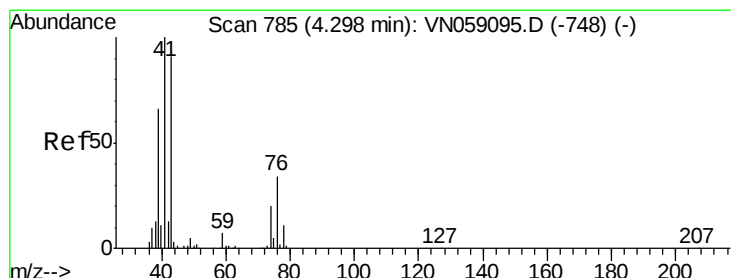
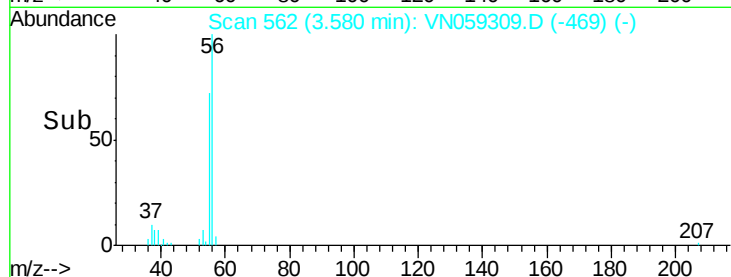
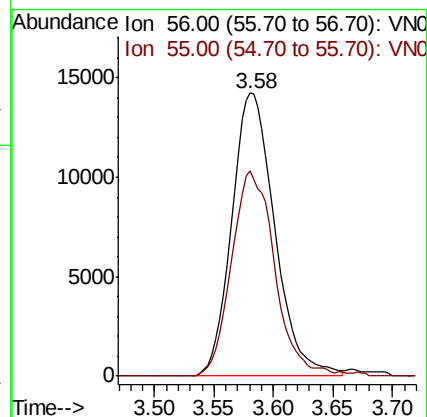
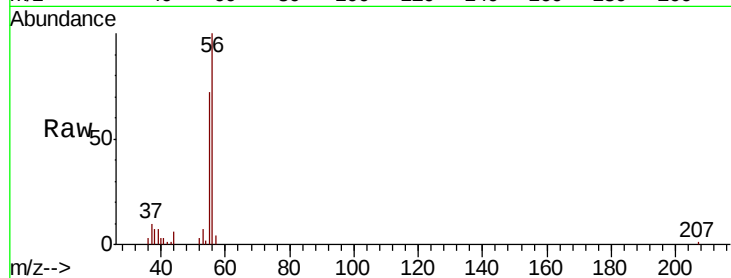
55 72.4 56.4 84.6

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#14

Allyl chloride

Concen: 22.888 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

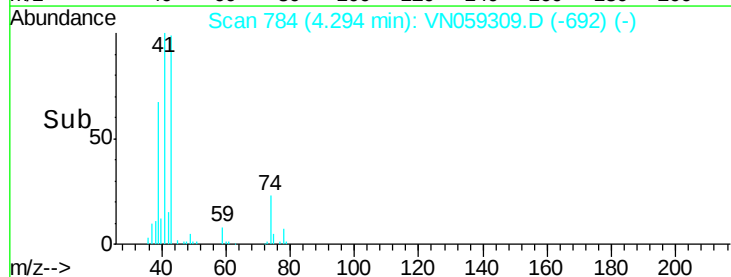
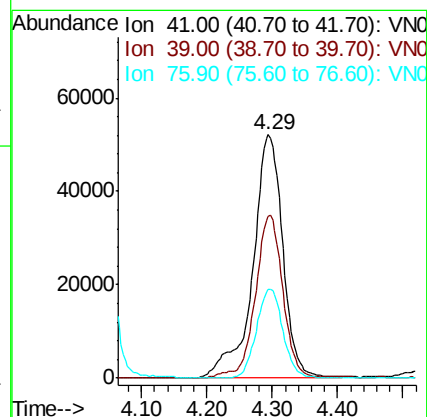
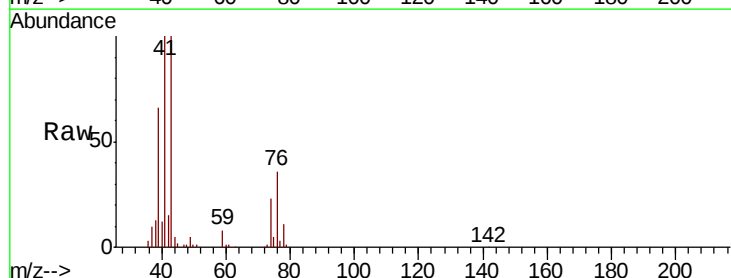
Tgt Ion: 41 Resp: 167325

Ion Ratio Lower Upper

41 100

39 61.6 49.1 73.7

76 32.2 24.9 37.3





#15

Acrylonitrile

Concen: 118.307 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

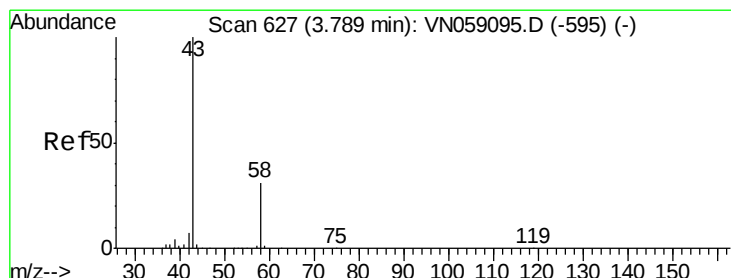
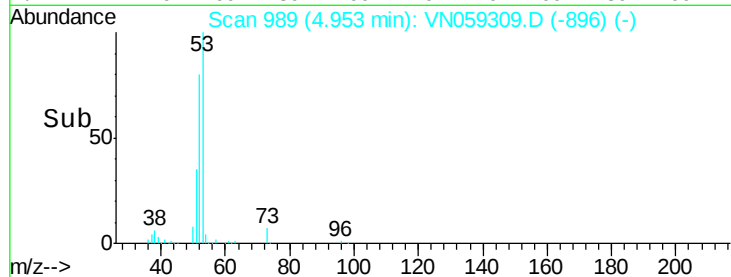
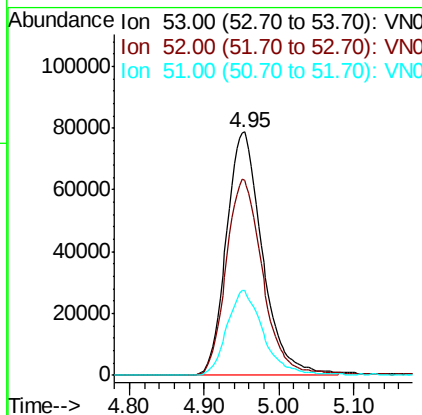
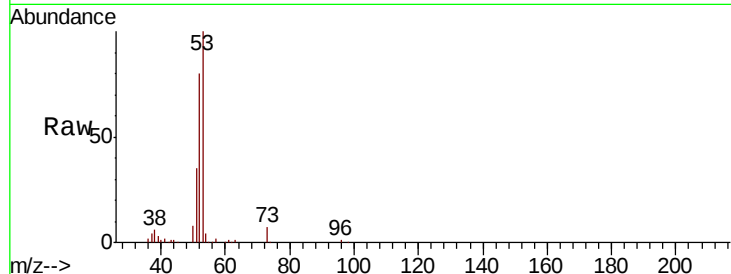
ClientSampleId :

VN1119WBSD04

Tot Ion:	53	Resp:	263154
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.0	97.6
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 90.168 ug/l

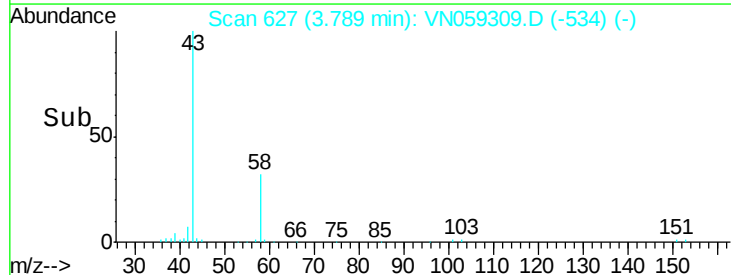
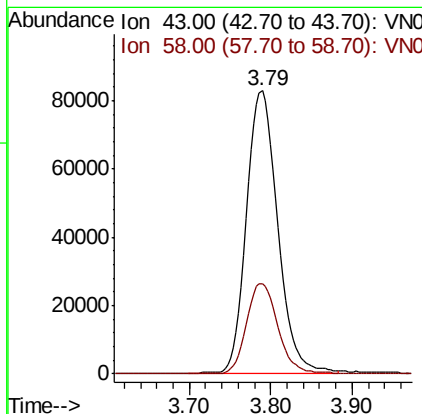
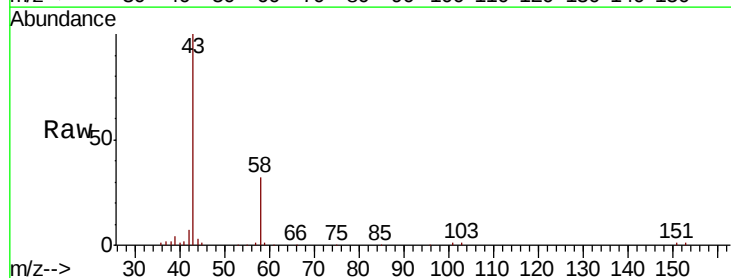
RT: 3.79 min Scan# 627

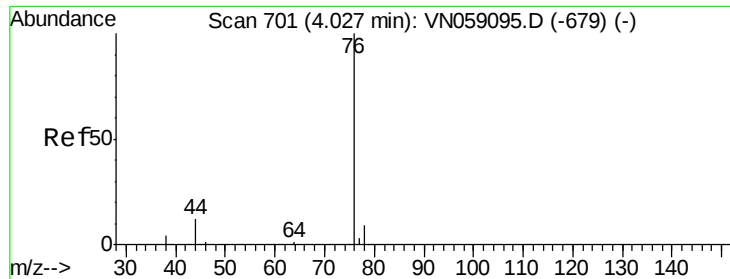
Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion:	43	Resp:	219904
Ion Ratio	Lower	Upper	
43	100		
58	32.0	24.9	37.3





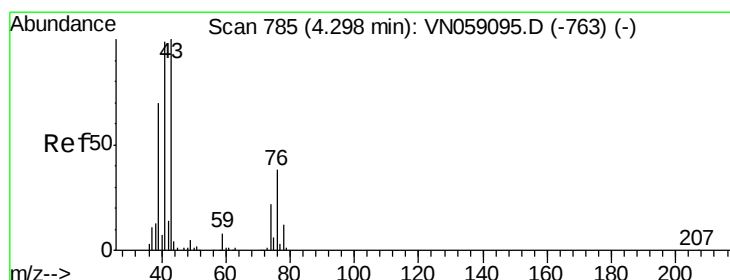
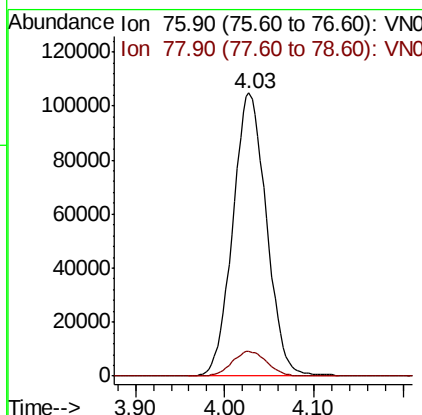
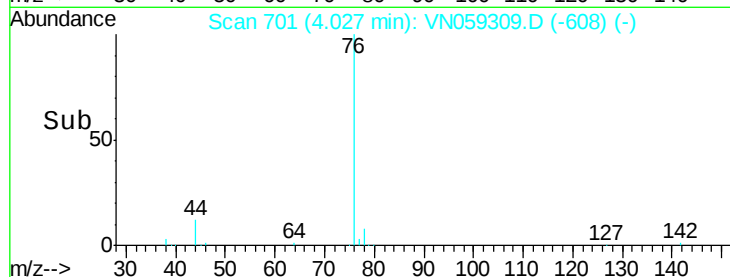
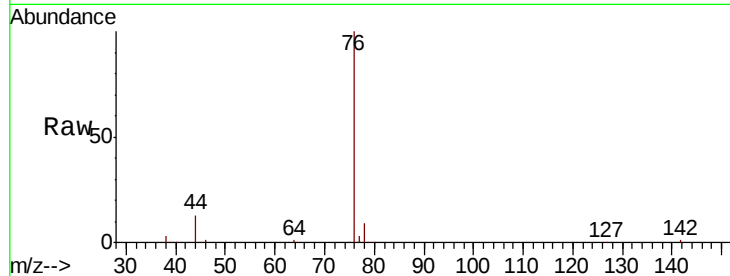
#17
Carbon Disulfide
Concen: 24.756 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

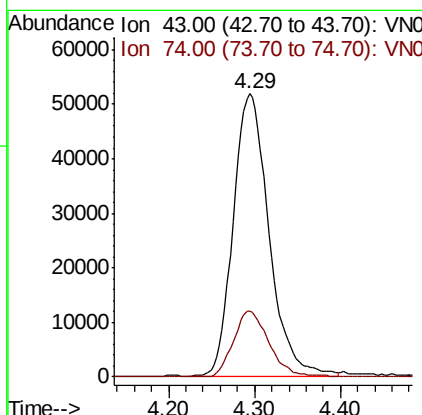
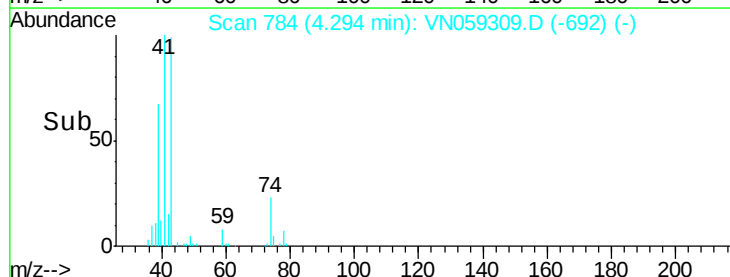
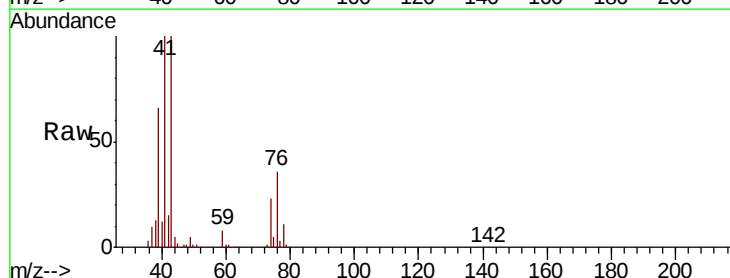
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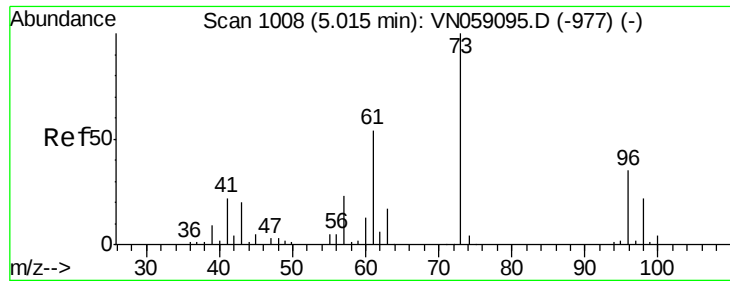
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#18
Methyl Acetate
Concen: 25.768 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	17.8	26.8





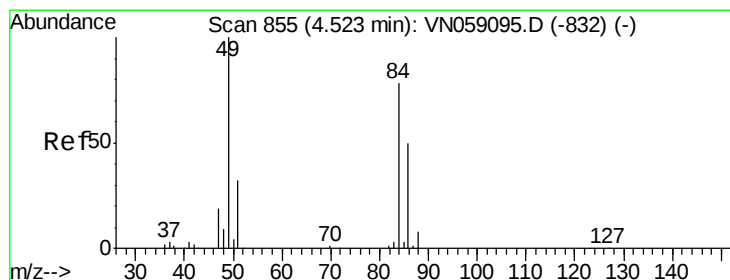
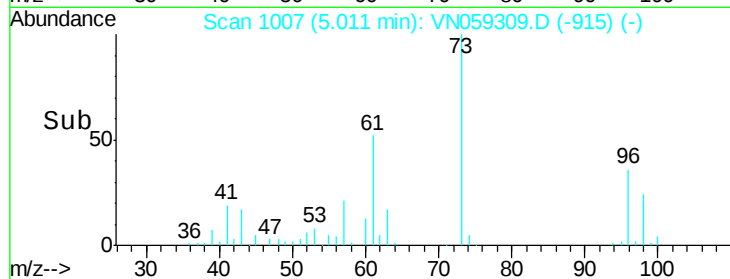
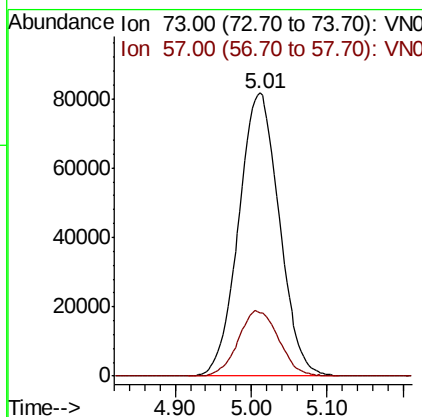
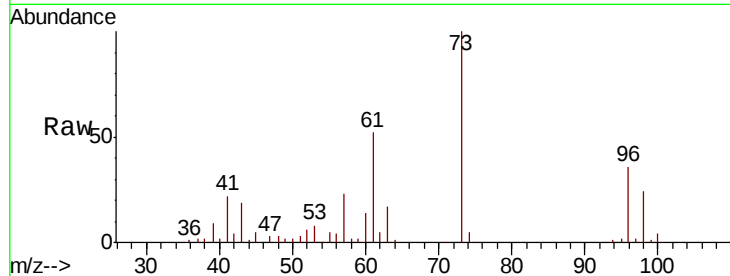
#19
Methyl tert-butyl Ether
Concen: 24.717 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 73 Resp: 302861
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6

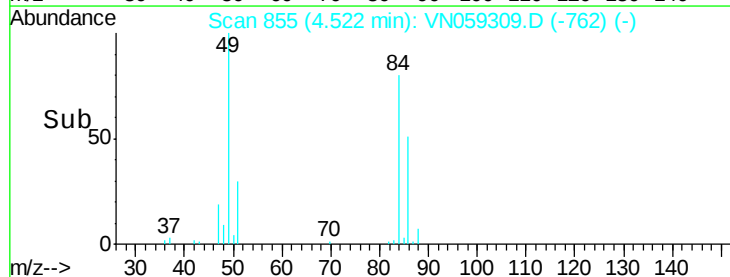
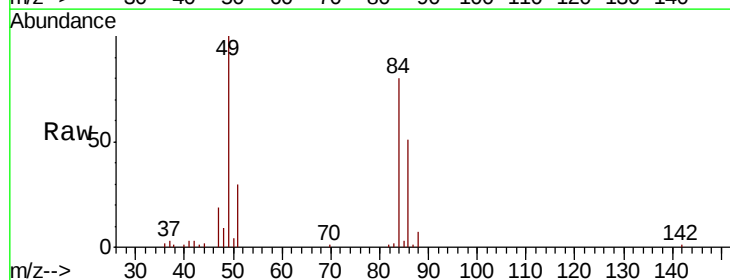
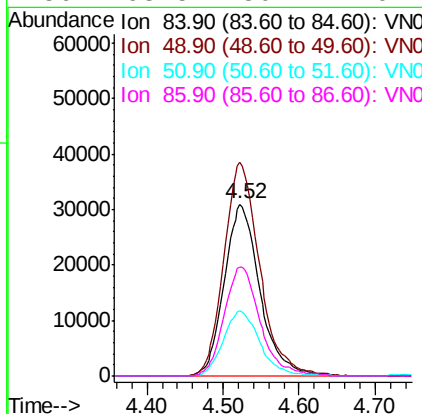
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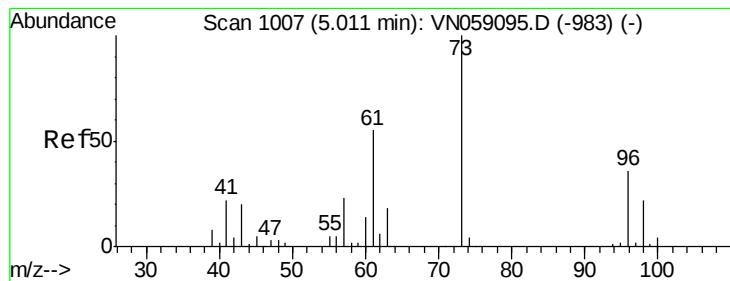
MMDadoda
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#20
Methylene Chloride
Concen: 23.760 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion: 84 Resp: 100951
Ion Ratio Lower Upper
84 100
49 124.4 102.0 153.0
51 37.9 32.2 48.2
86 63.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 24.696 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 96 Resp: 94344

Ion Ratio Lower Upper

96 100

61 143.8 122.6 183.8

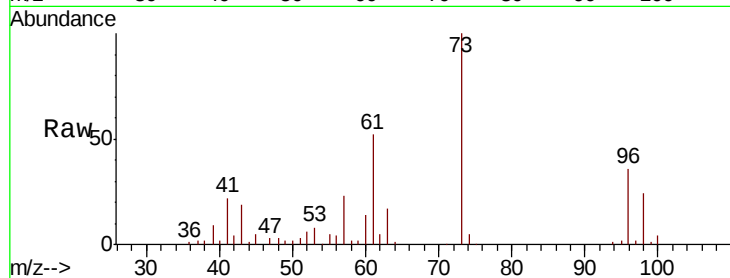
98 65.0 50.3 75.5

Manual Integrations

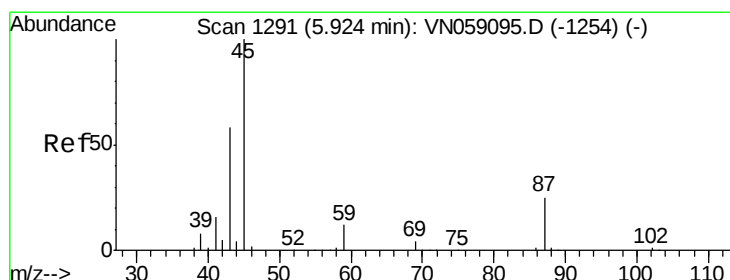
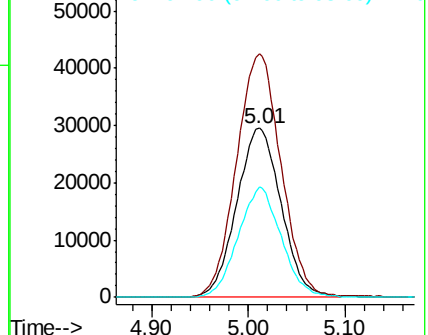
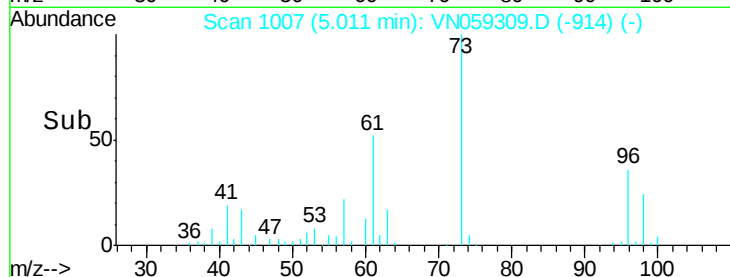
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Abundance Ion 95.90 (95.60 to 96.60): VN059309.D (-914) (-)



#22

Diisopropyl ether

Concen: 23.778 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion: 45 Resp: 328347

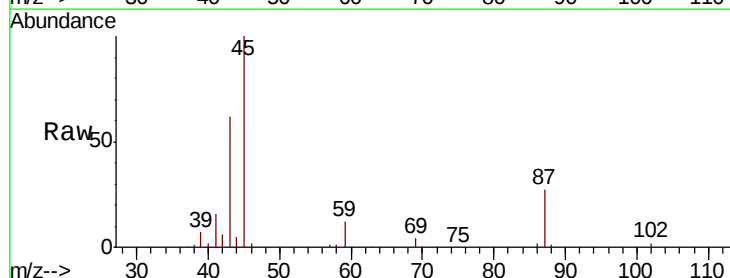
Ion Ratio Lower Upper

45 100

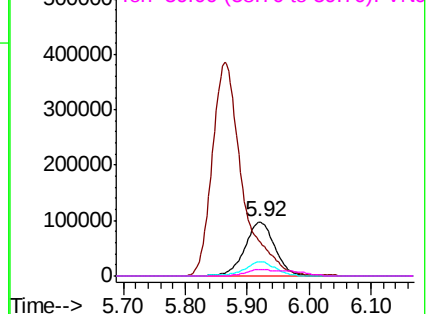
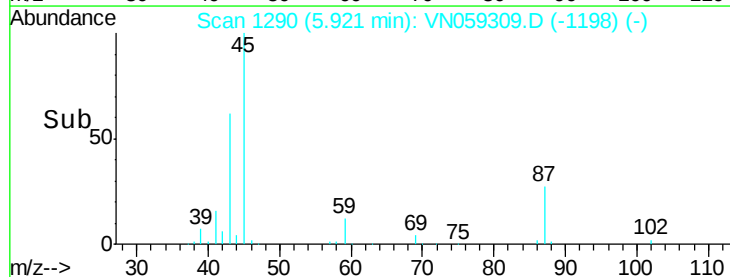
43 60.3 46.7 70.1

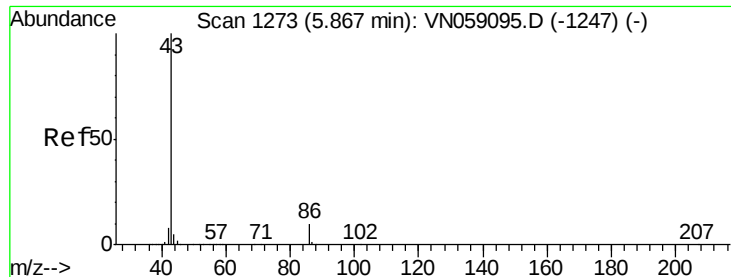
87 27.4 20.5 30.7

59 11.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN059309.D (-1198) (-)





#23

Vinyl Acetate

Concen: 121.552 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 43 Resp: 1300851

Ion Ratio Lower Upper

43 100

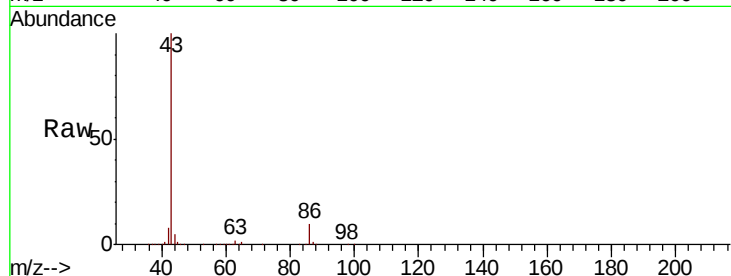
86 9.7 7.7 11.5

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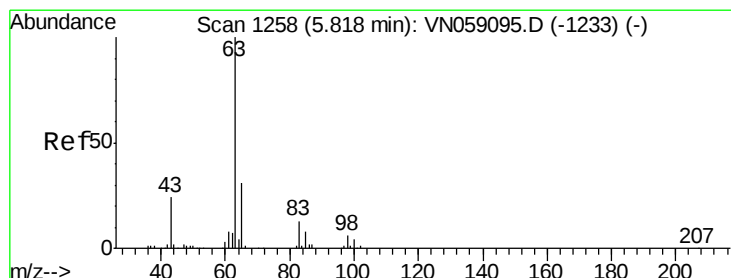
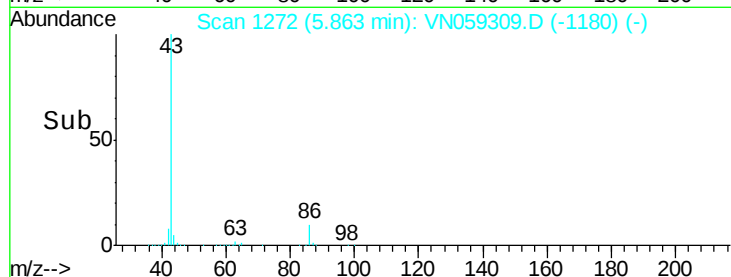
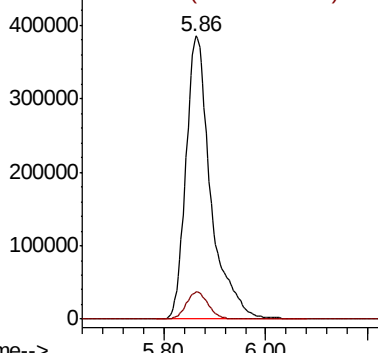
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 23.688 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

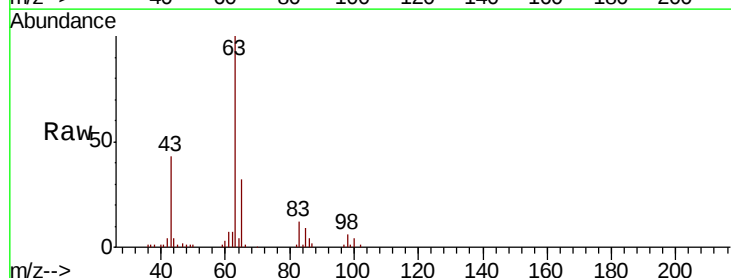
Tgt Ion: 63 Resp: 182696

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

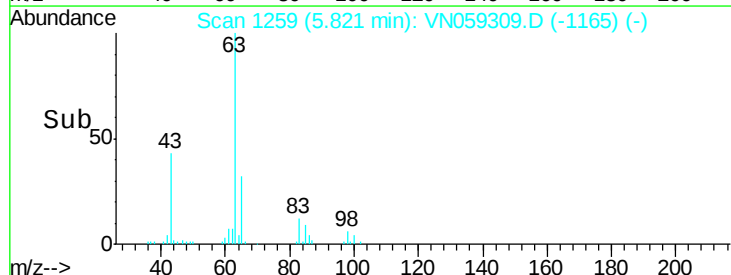
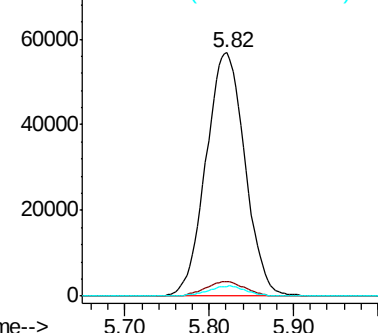
100 4.0 1.9 5.7

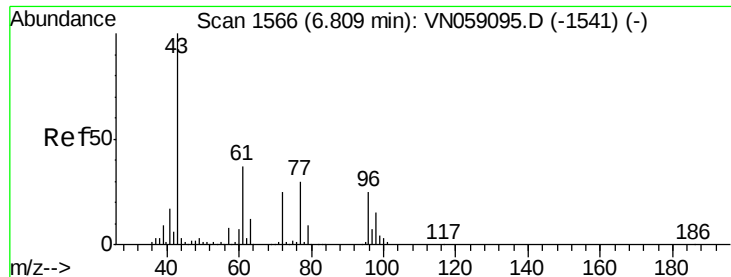


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 108.108 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 43 Resp: 347486

Ion Ratio Lower Upper

43 100

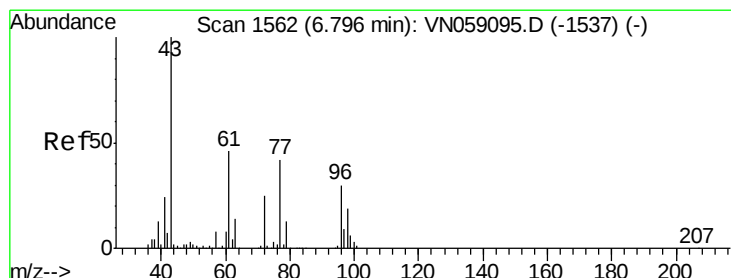
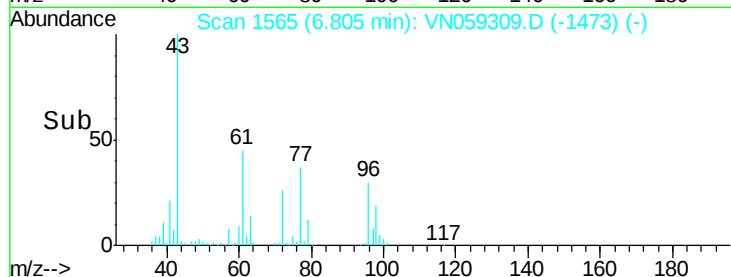
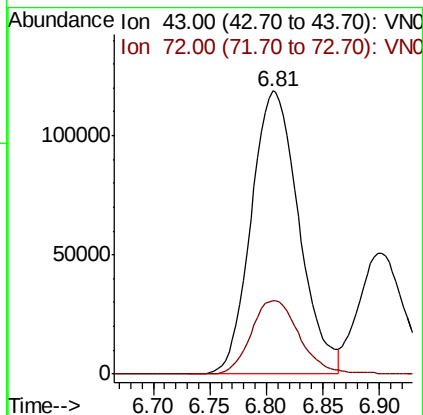
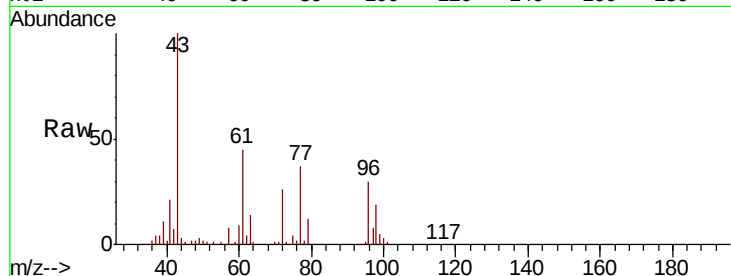
72 25.9 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 22.709 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059309.D

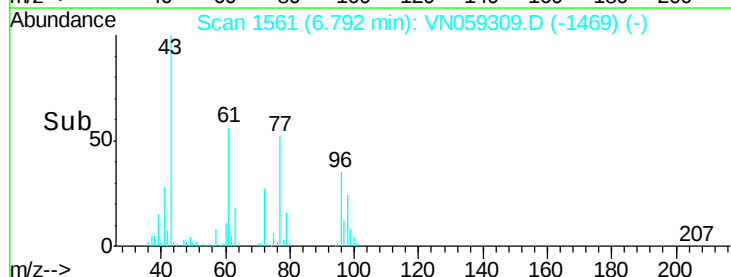
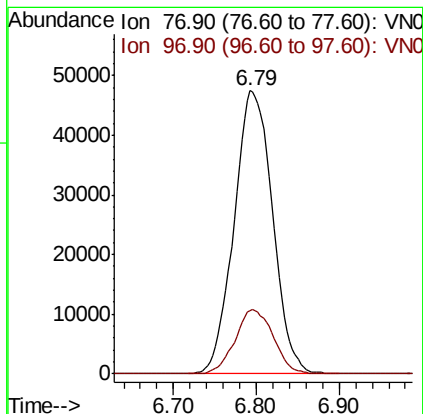
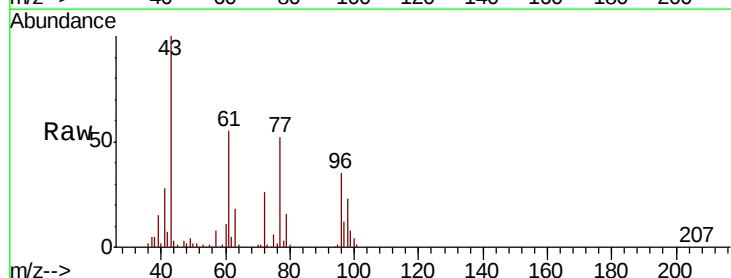
Acq: 19 Nov 2019 16:27

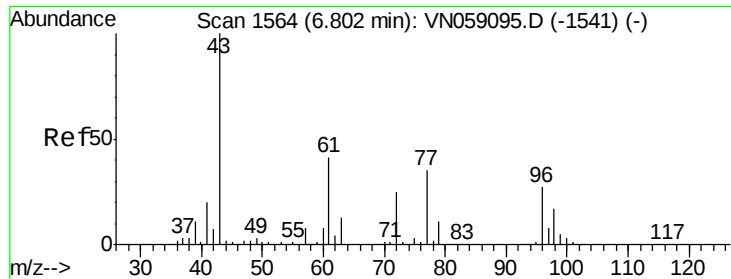
Tgt Ion: 77 Resp: 153149

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 23.975 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

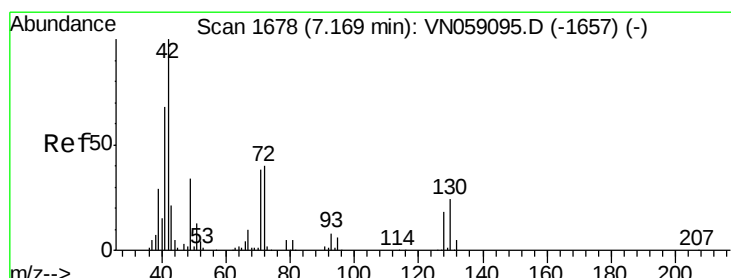
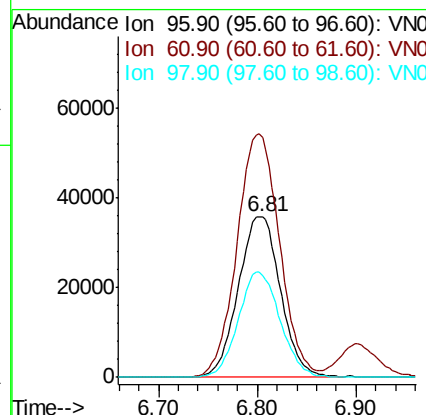
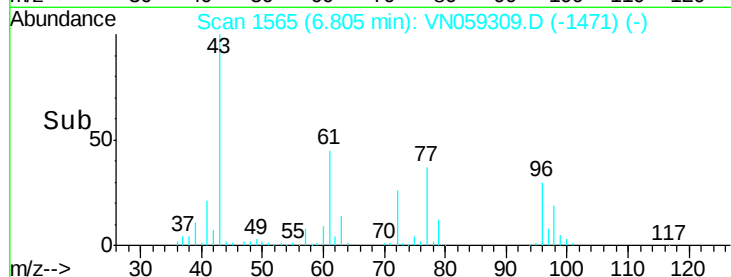
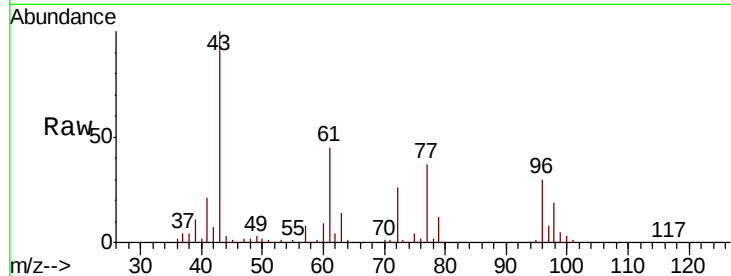
ClientSampleId :

VN1119WBSD04

Tot Ion:	96	Resp:	106261
Ion Ratio	Lower	Upper	
96	100		
61	152.7	0.0	311.6
98	64.9	0.0	129.8

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#28

Bromochloromethane

Concen: 20.061 ug/l

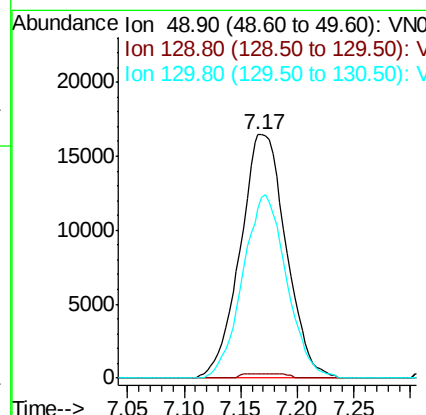
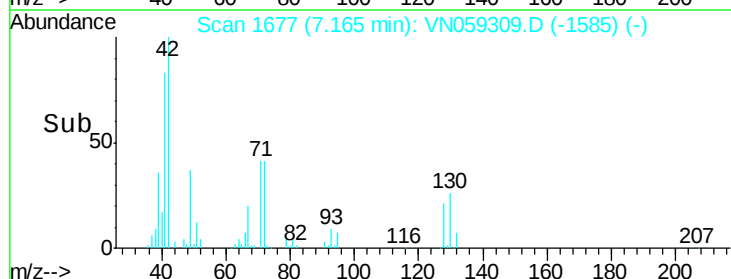
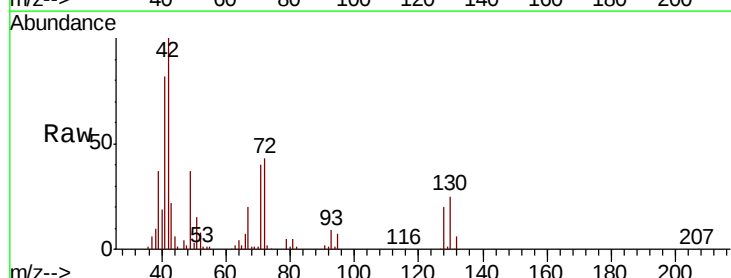
RT: 7.17 min Scan# 1677

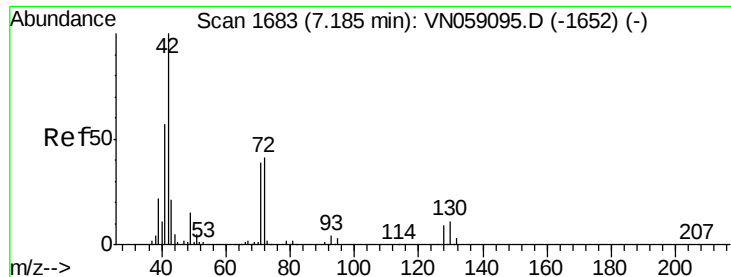
Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion:	49	Resp:	46550
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	71.8	55.6	83.4





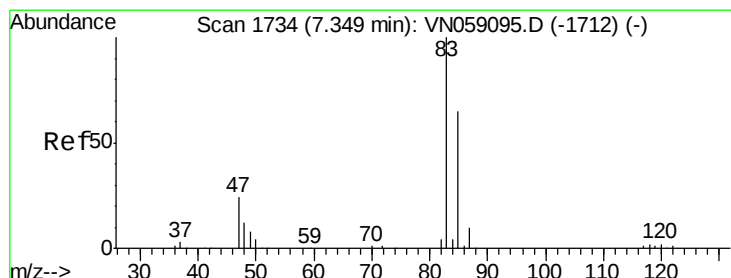
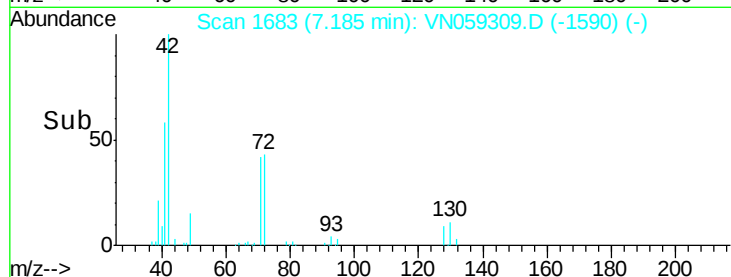
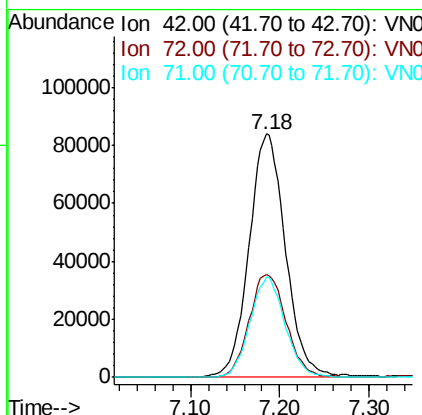
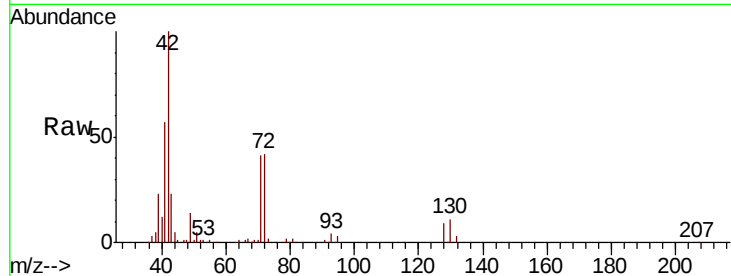
#29
Tetrahydrofuran
Concen: 116.802 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.1	49.7
71	39.6	30.9	46.3

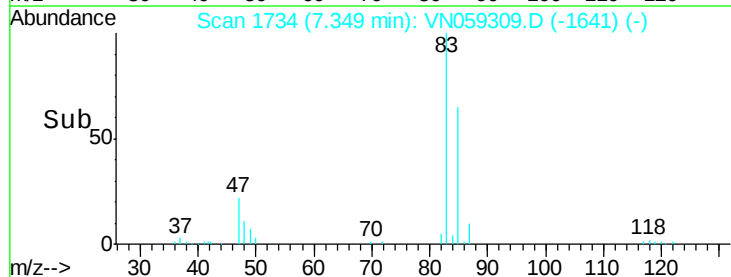
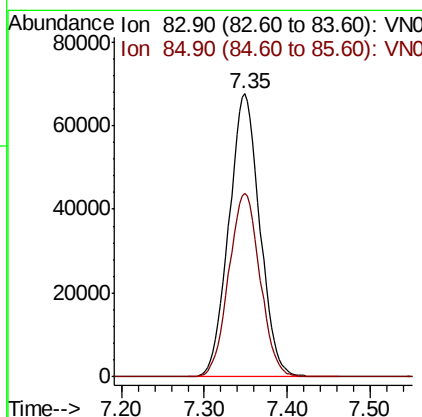
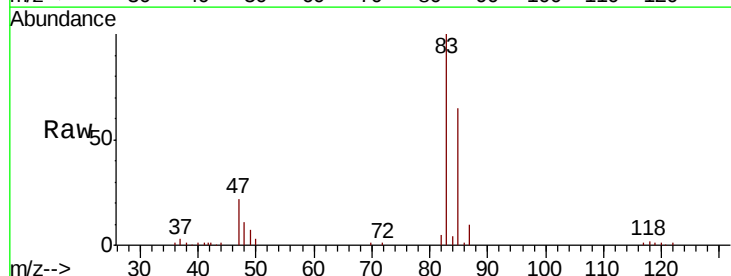
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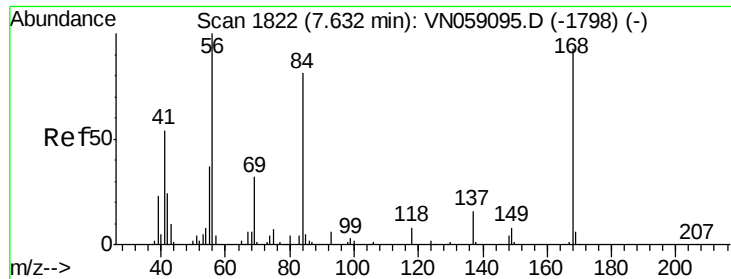
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#30
Chloroform
Concen: 23.724 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





#31

Cyclohexane

Concen: 23.631 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleID :

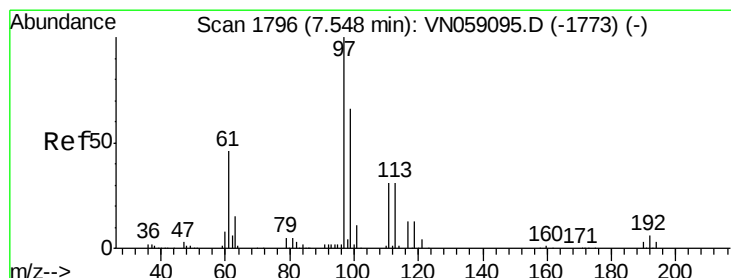
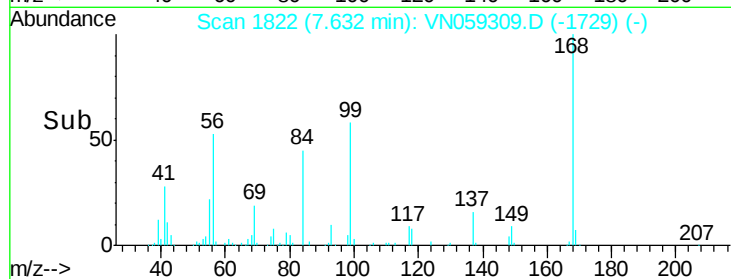
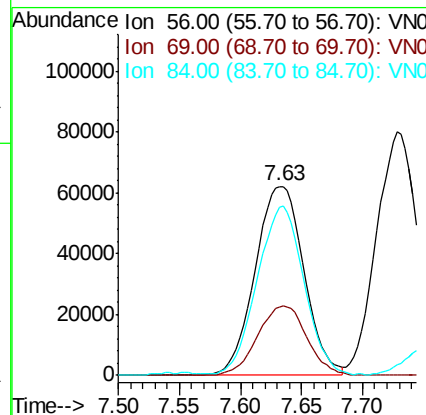
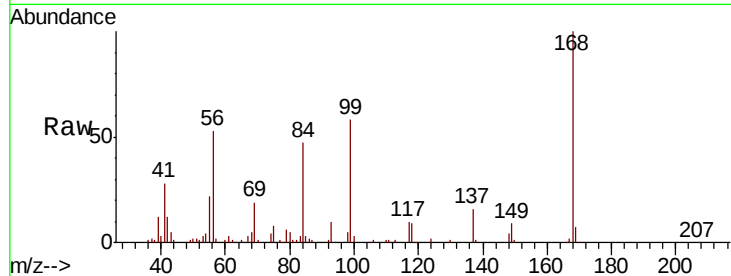
VN1119WBSD04

Tot Ion: 56 Resp: 172536

Ion	Ratio	Lower	Upper
56	100		
69	36.3	25.8	38.8
84	87.7	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 23.423 ug/l

RT: 7.55 min Scan# 1796

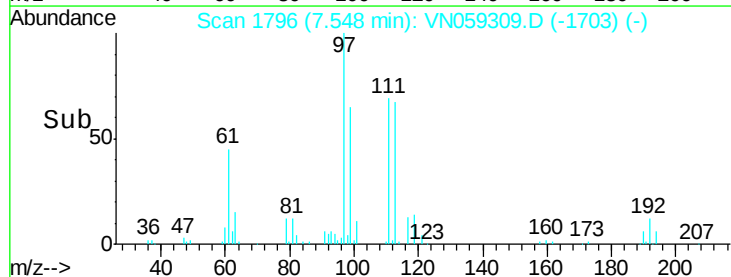
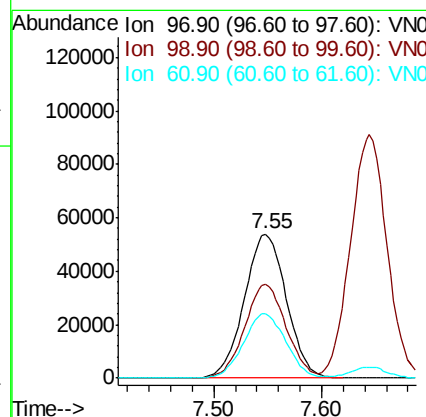
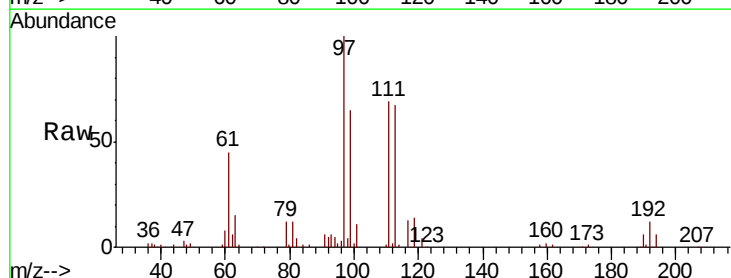
Delta R.T. -0.00 min

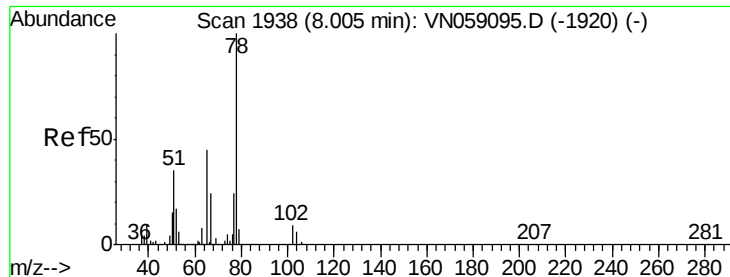
Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion: 97 Resp: 145697

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	45.2	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 49.328 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 65 Resp: 231342

Ion Ratio Lower Upper

65 100

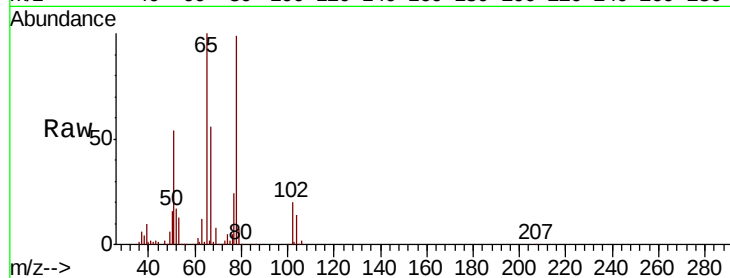
67 54.8 0.0 107.4

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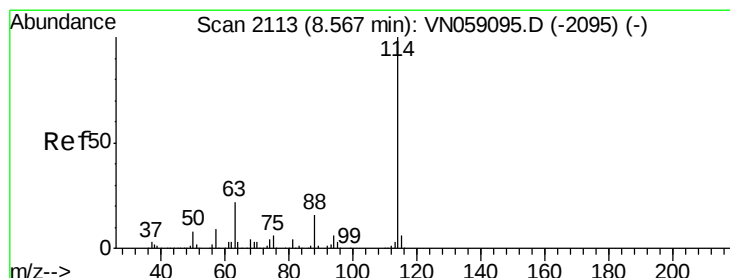
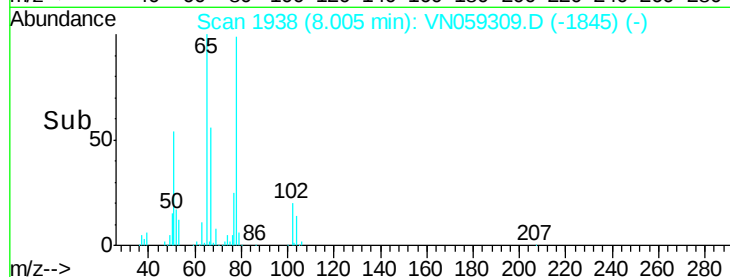
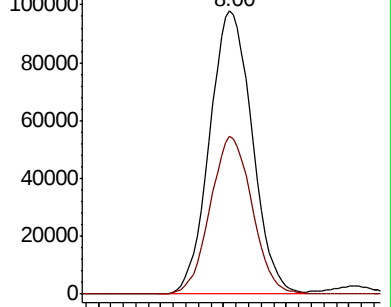
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Abundance Ion 64.90 (64.60 to 65.60): VN059309.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059309.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

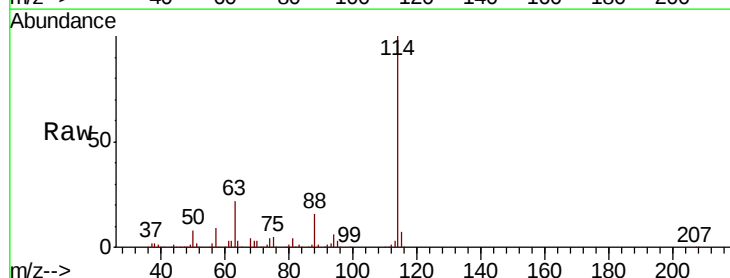
Tgt Ion: 114 Resp: 602033

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

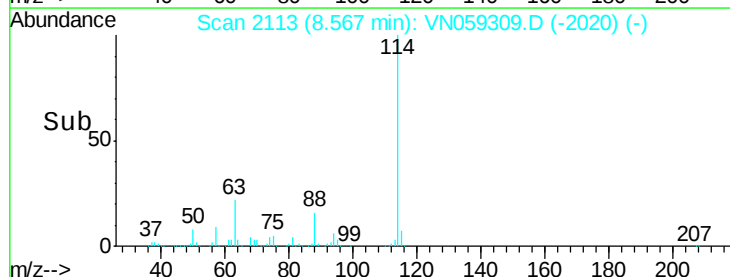
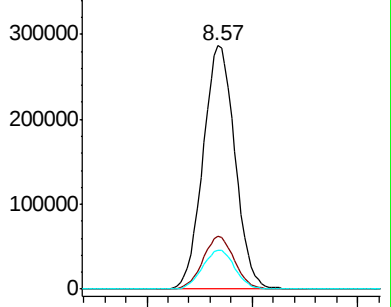
88 16.2 0.0 32.2

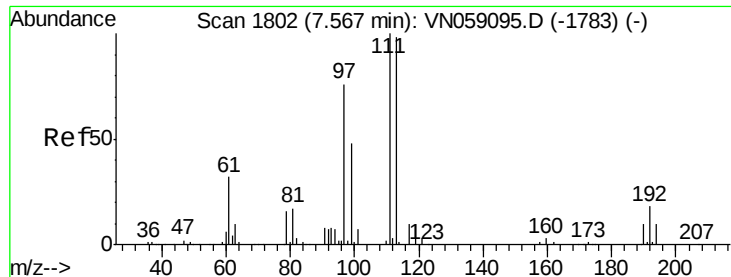


Abundance Ion 113.90 (113.60 to 114.60): VN059309.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059309.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059309.D (-2020) (-)





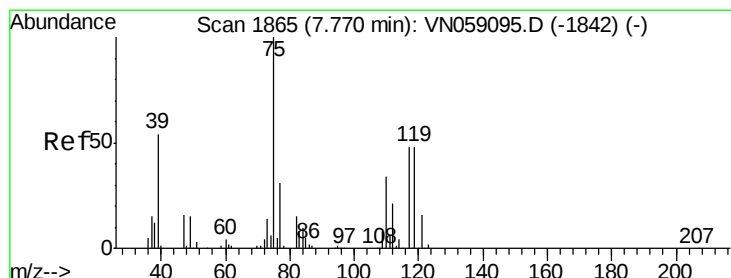
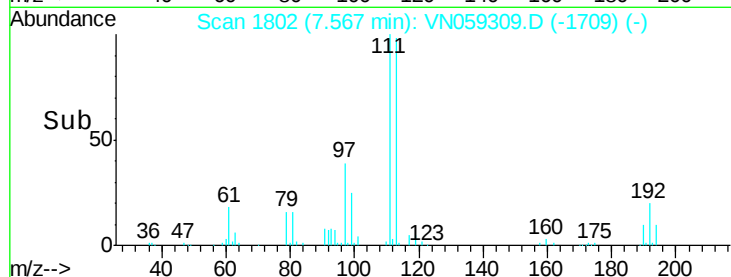
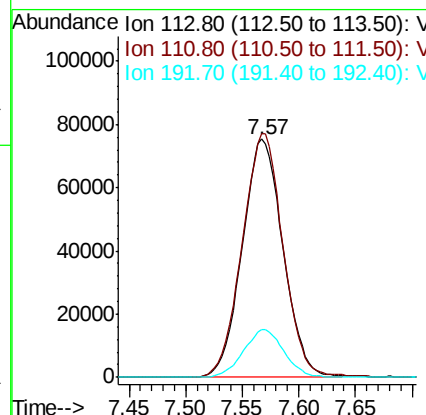
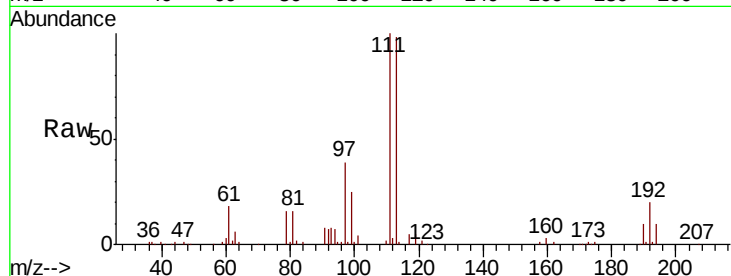
#35
 Dibromofluoromethane
 Concen: 52.653 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189272		
111	102.7	82.8	124.2	
192	19.7	16.1	24.1	

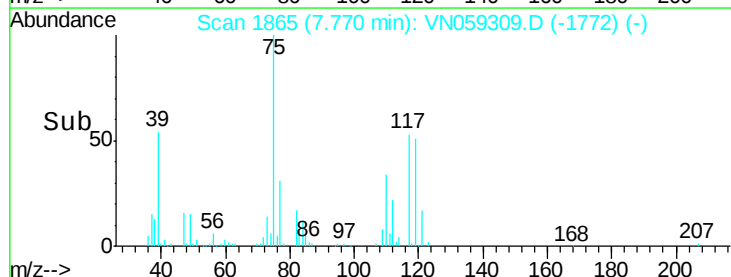
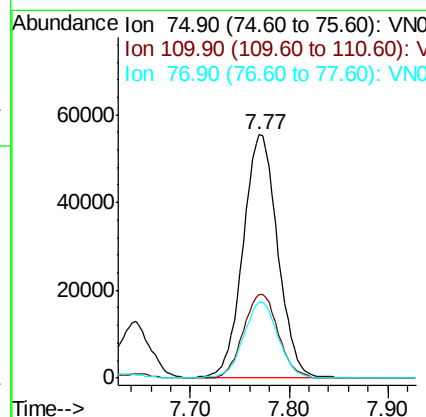
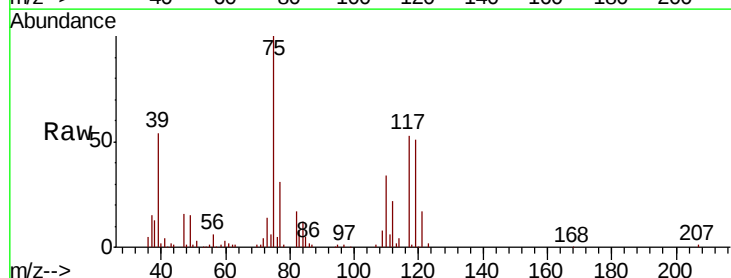
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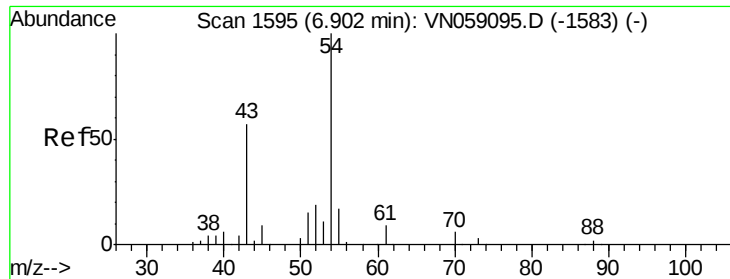
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#36
 1,1-Dichloropropene
 Concen: 24.026 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135199		
110	34.5	17.1	51.2	
77	31.2	24.8	37.2	





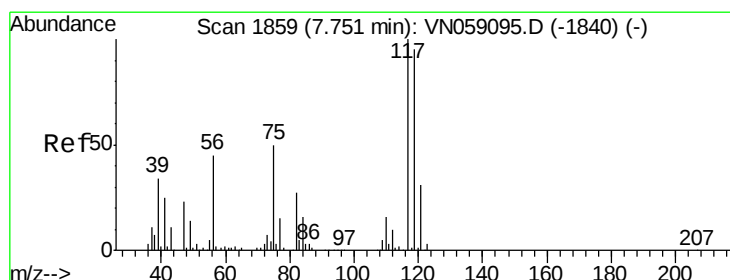
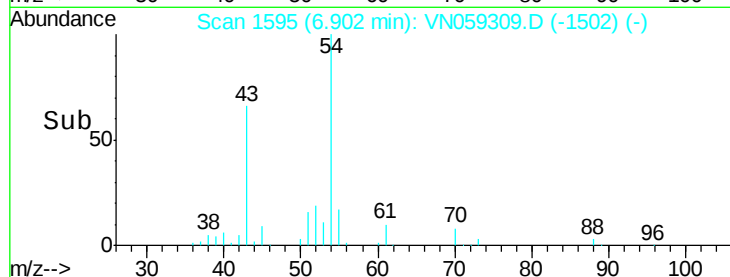
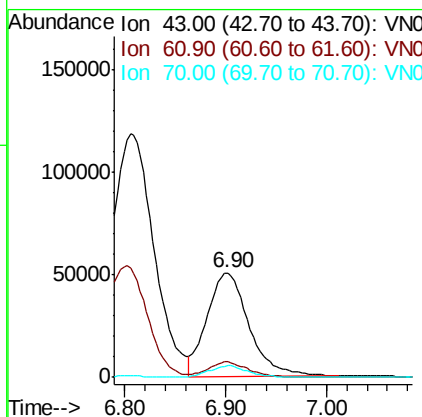
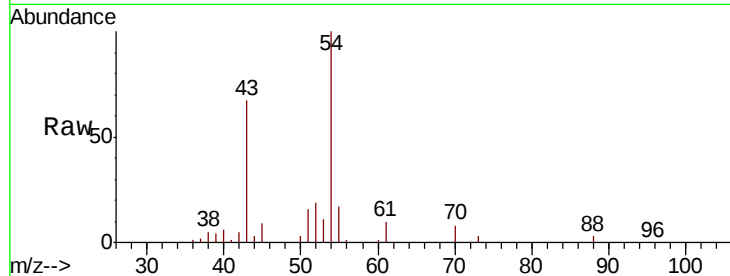
#37
Ethyl Acetate
Concen: 23.325 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	10.4	7.8	11.8

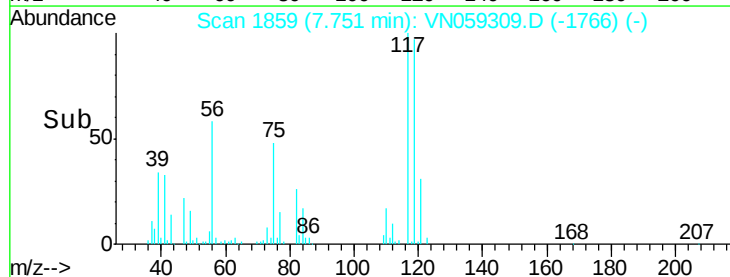
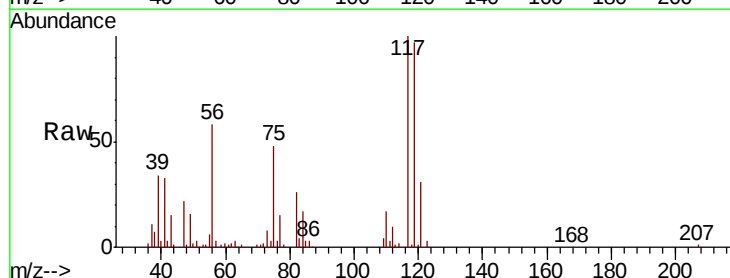
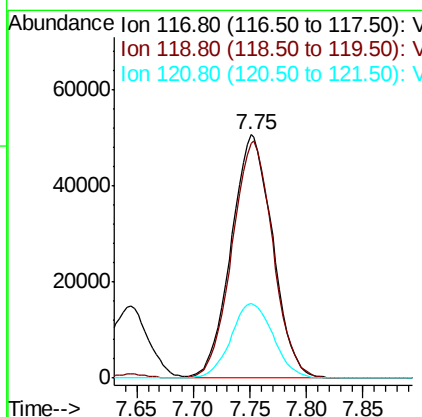
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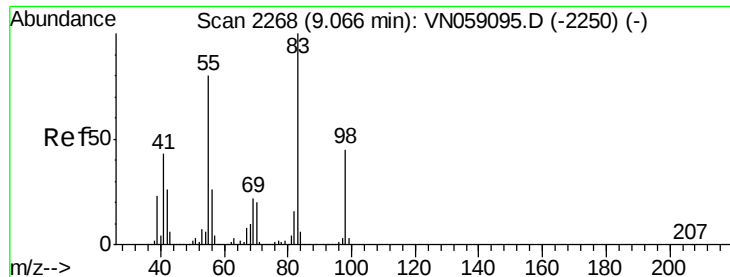
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#38
Carbon Tetrachloride
Concen: 23.047 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.6	113.4
121	30.8	24.6	36.8





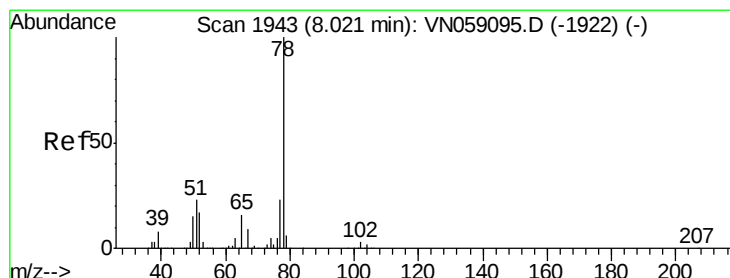
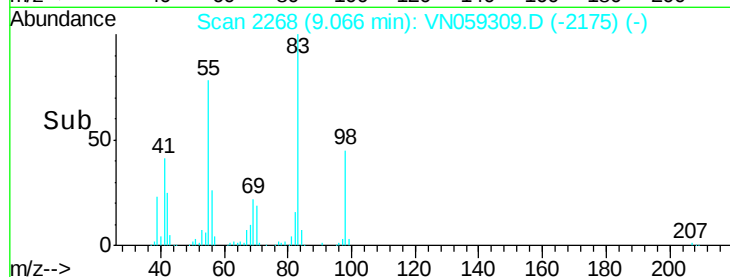
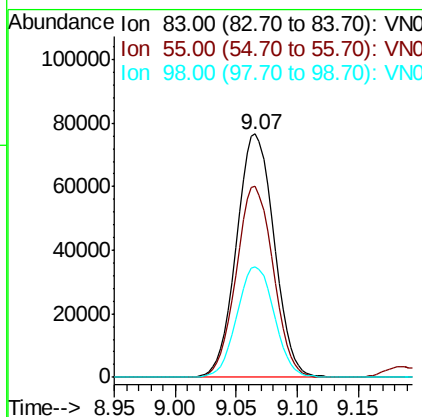
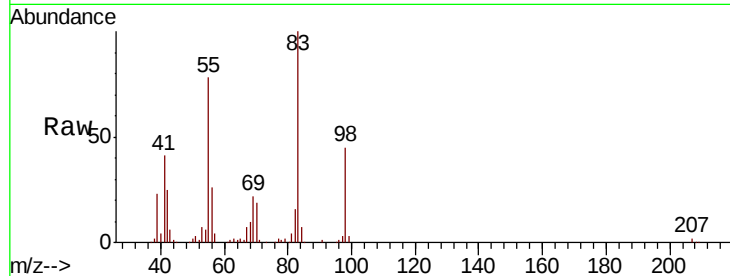
#39
Methvlcvclohexane
Concen: 25.060 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.9	95.9
98	45.3	35.6	53.4

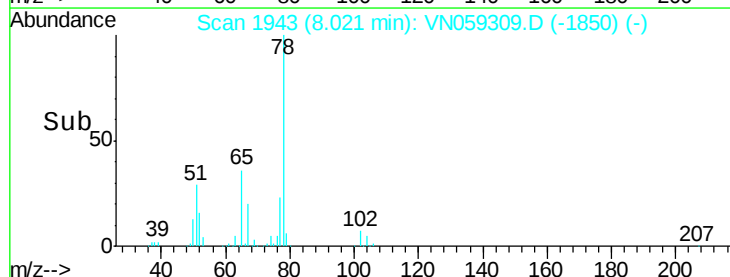
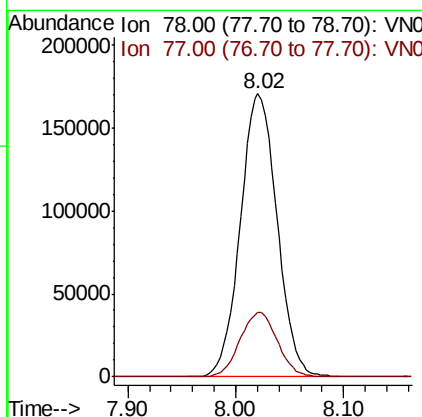
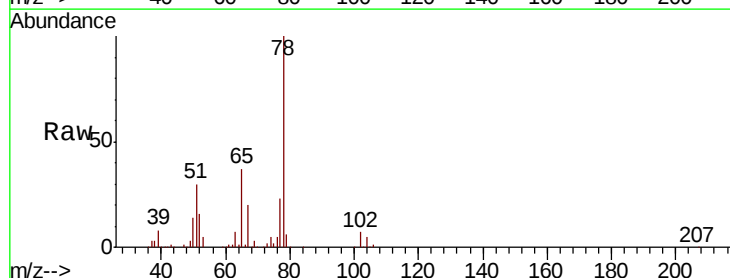
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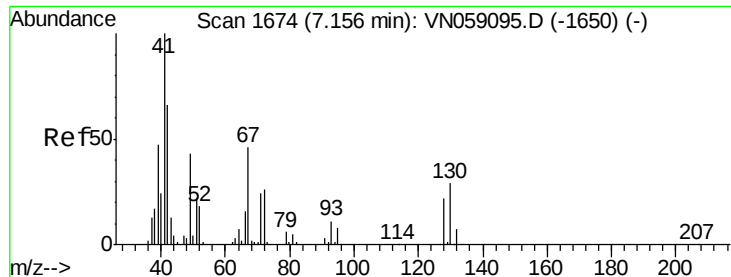
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#40
Benzene
Concen: 23.808 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 27.092 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 41 Resp: 73749

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

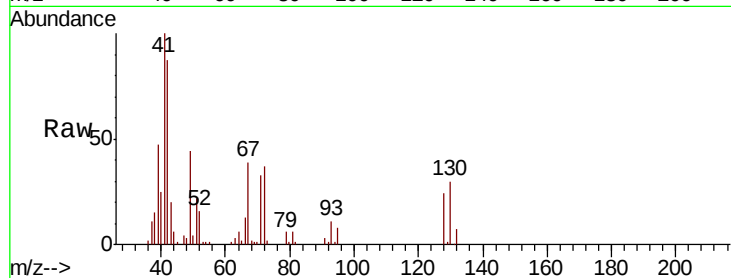
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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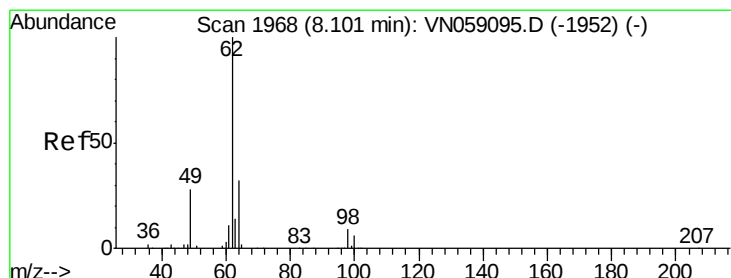
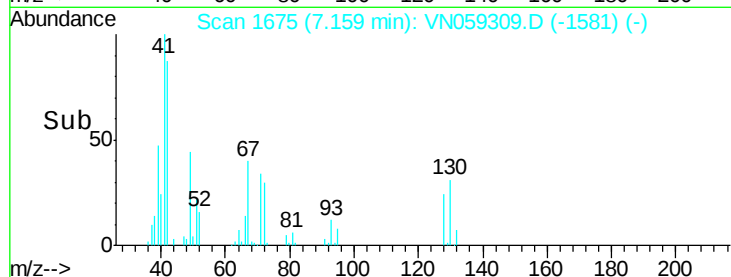
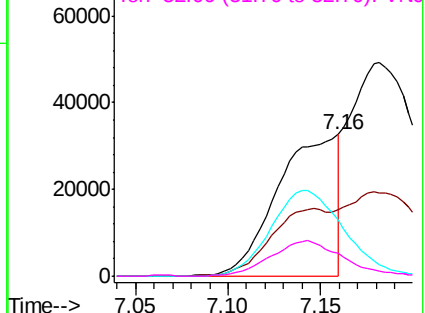


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 23.275 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059309.D

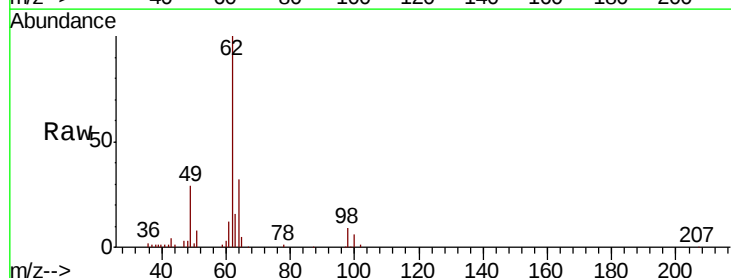
Acq: 19 Nov 2019 16:27

Tgt Ion: 62 Resp: 135273

Ion Ratio Lower Upper

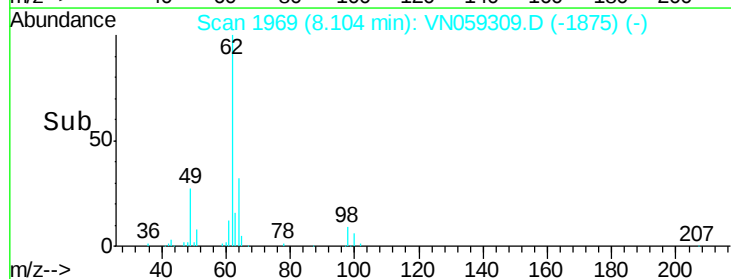
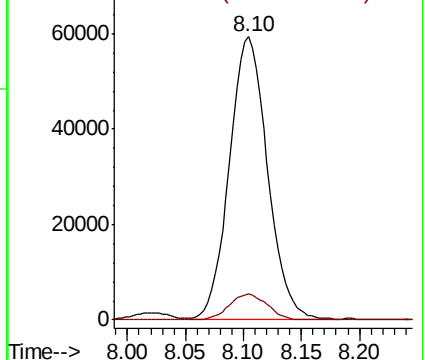
62 100

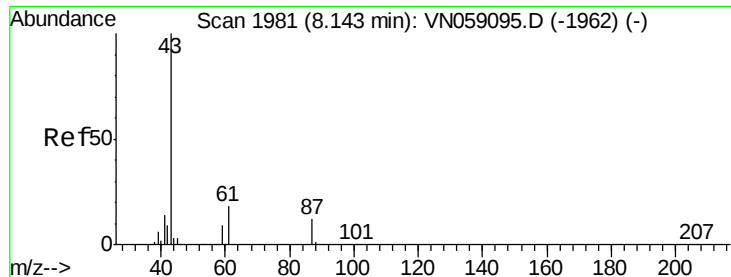
98 9.2 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





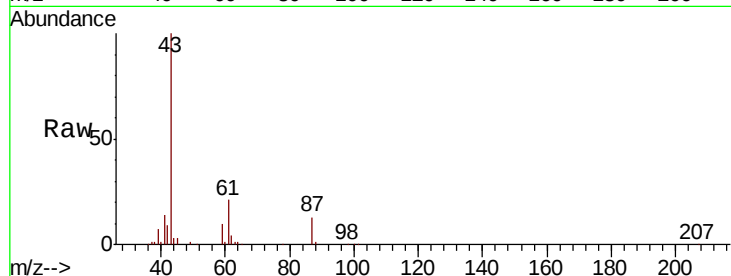
#43
Isopropyl Acetate
Concen: 22.713 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

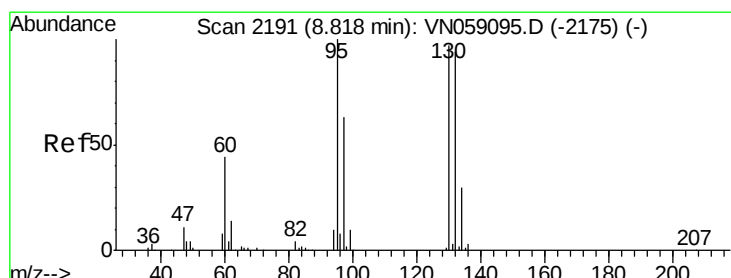
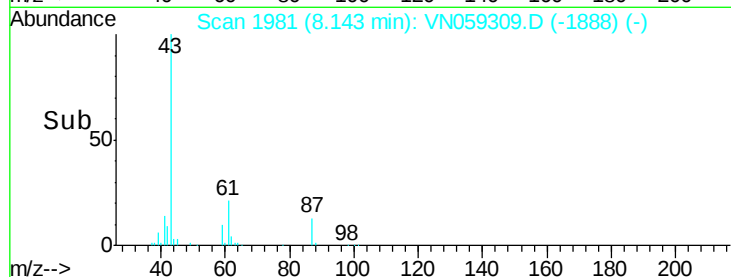
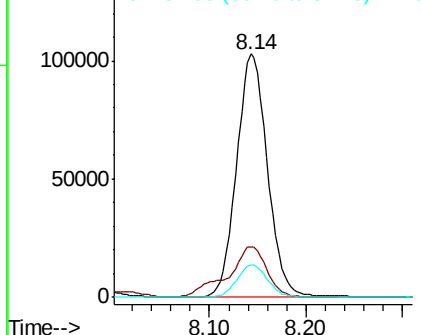
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	13.3	9.8	14.6

Manual Integrations
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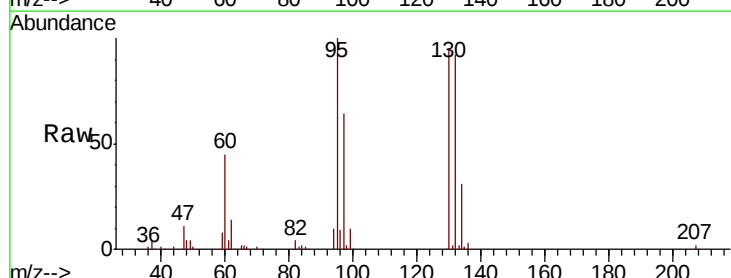


Abundance Ion 43.00 (42.70 to 43.70): VN059309.D (-1888) (-)
Ion 61.00 (60.70 to 61.70): VN059309.D (-1888) (-)
Ion 87.00 (86.70 to 87.70): VN059309.D (-1888) (-)

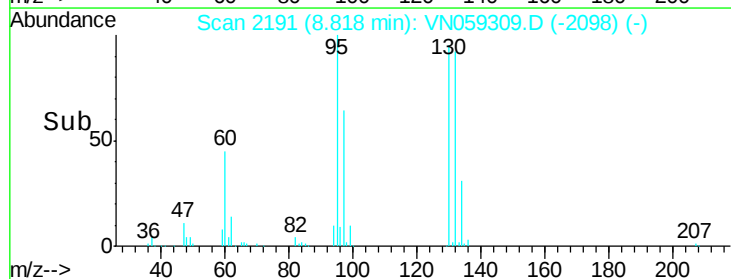
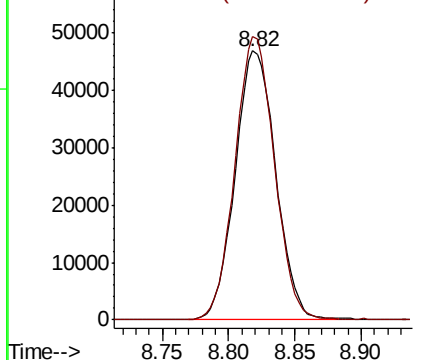


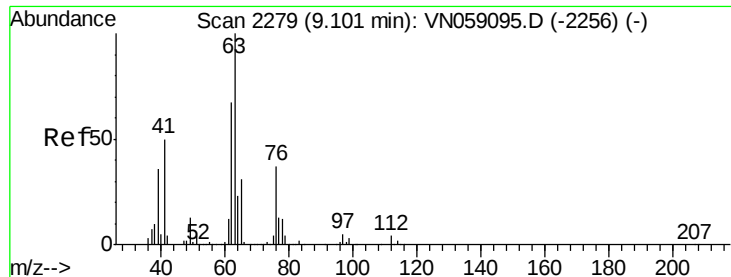
#44
Trichloroethene
Concen: 23.995 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059309.D (-2098) (-)
Ion 94.90 (94.60 to 95.60): VN059309.D (-2098) (-)





#45

1,2-Dichloropropane

Concen: 23.515 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 63 Resp: 108235

Ion Ratio Lower Upper

63 100

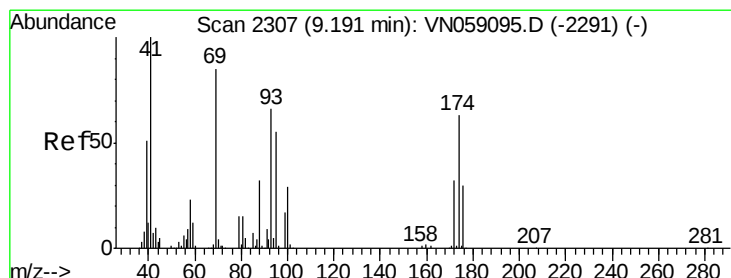
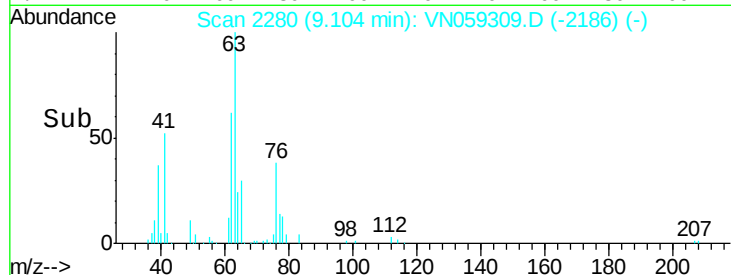
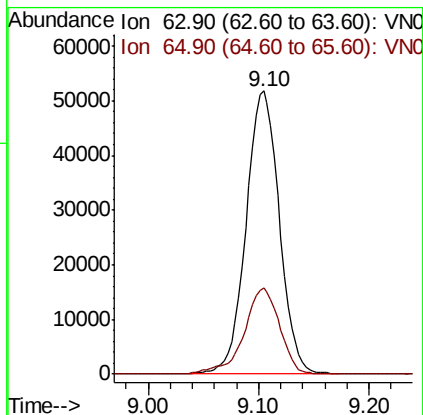
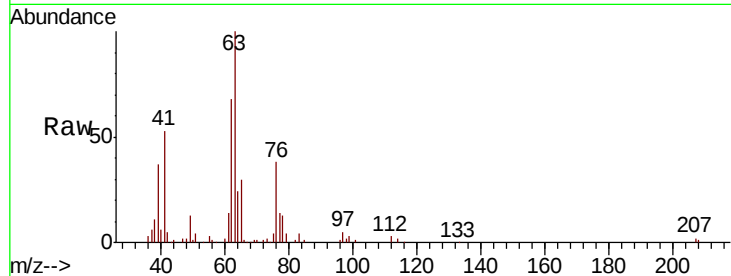
65 30.3 24.6 37.0

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#46

Dibromomethane

Concen: 23.241 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

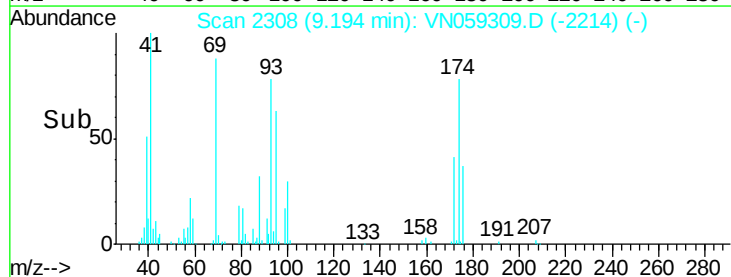
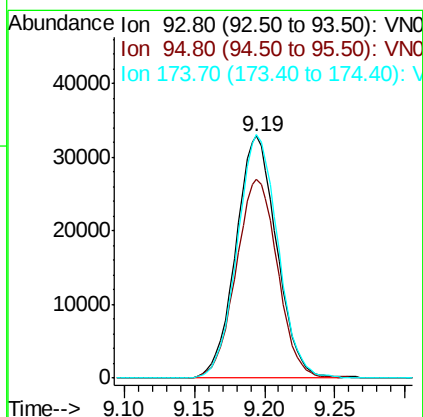
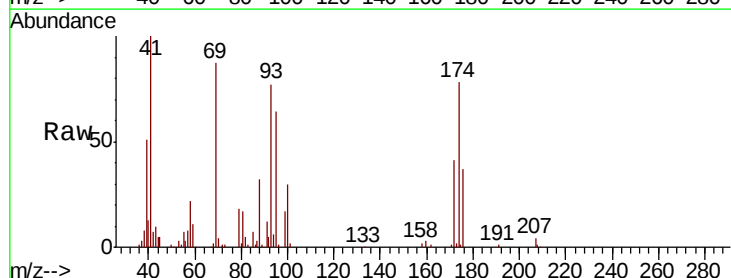
Tgt Ion: 93 Resp: 66659

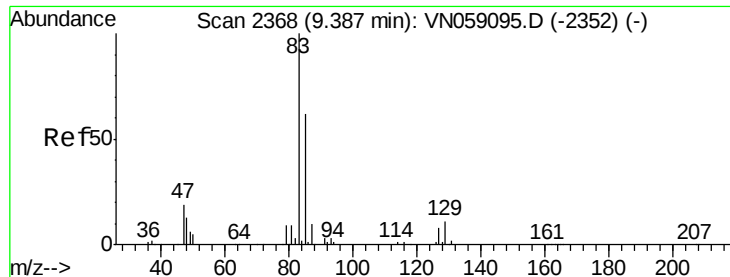
Ion Ratio Lower Upper

93 100

95 83.5 66.6 100.0

174 100.0 78.2 117.2





#47

Bromodichloromethane

Concen: 23.561 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

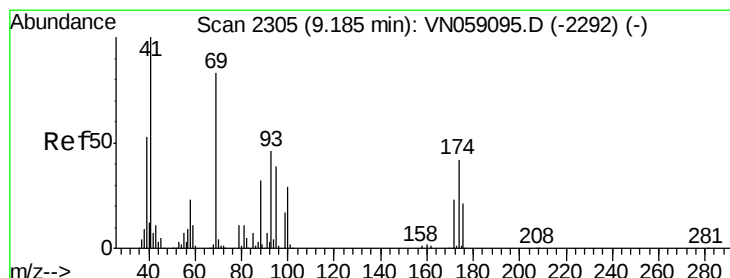
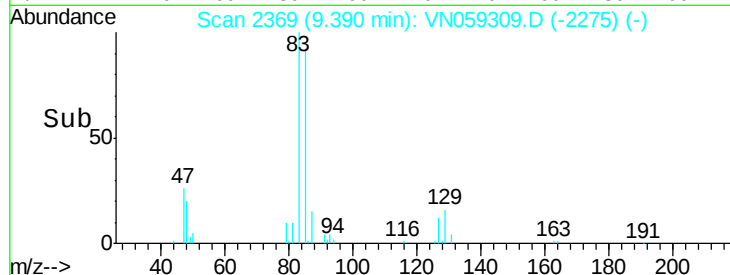
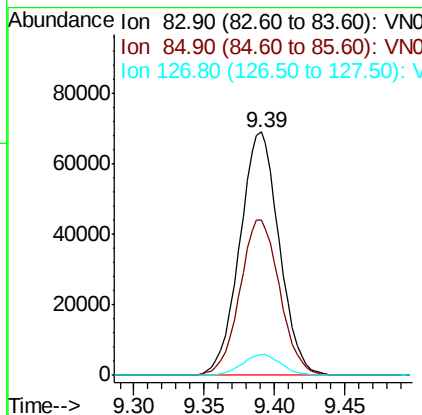
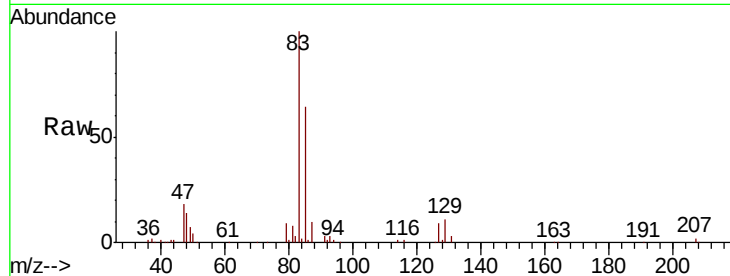
ClientSampleId :

VN1119WBSD04

Tot Ion:	83	Resp:	134938
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.673 ug/l

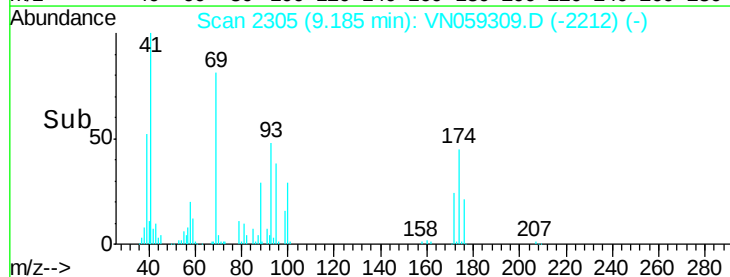
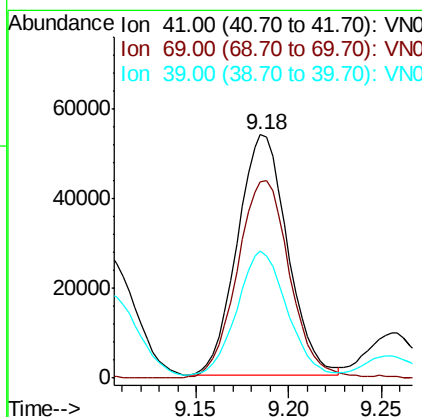
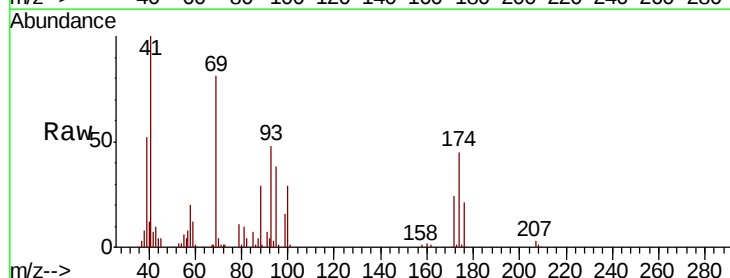
RT: 9.18 min Scan# 2305

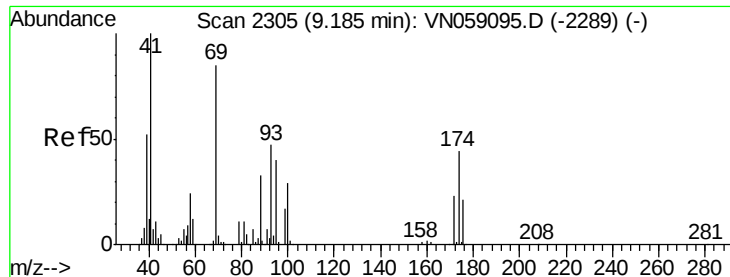
Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion:	41	Resp:	101216
Ion Ratio	Lower	Upper	
41	100		
69	86.0	67.3	100.9
39	53.3	43.3	64.9





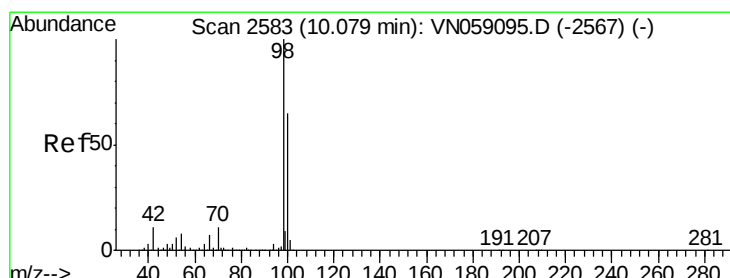
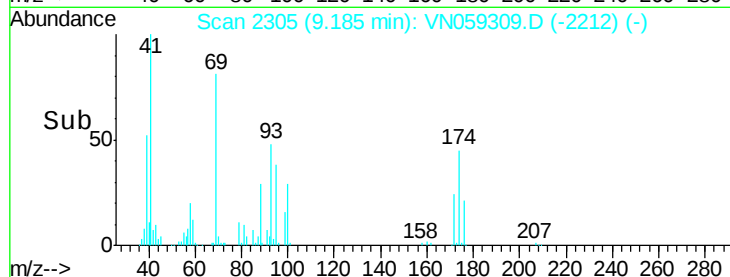
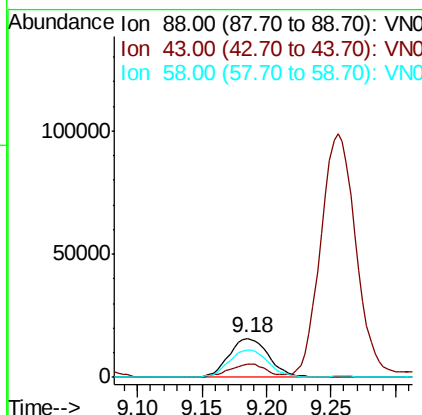
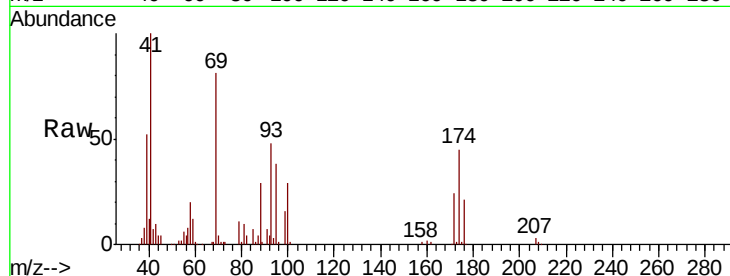
#49
1,4-Dioxane
Concen: 431.982 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	88	Resp	34271
Ion	Ratio	Lower	Upper
88	100		
43	32.4	26.3	39.5
58	68.8	60.6	90.8

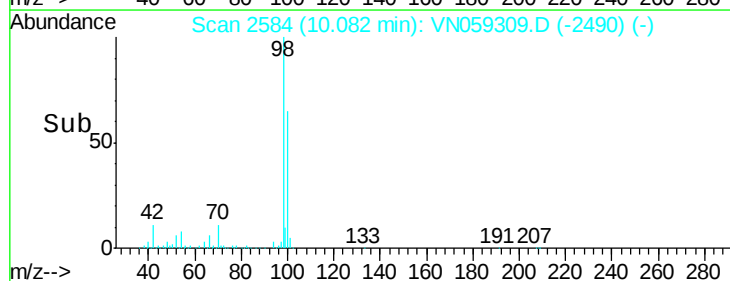
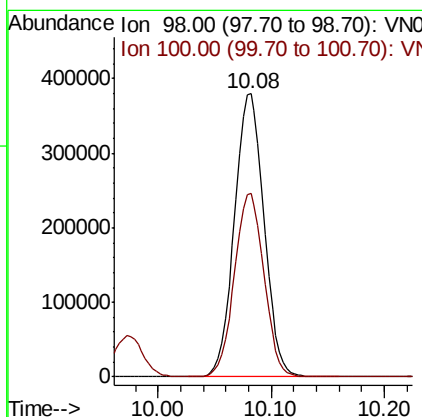
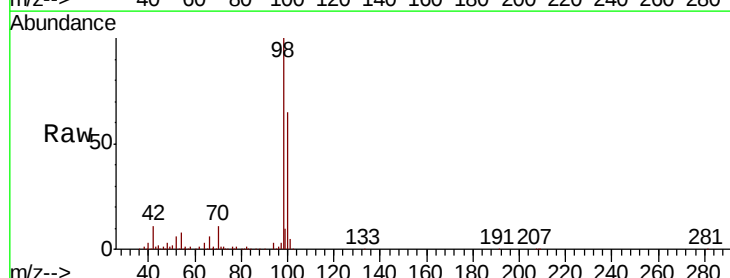
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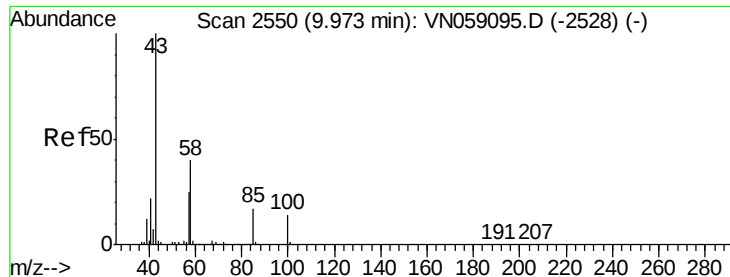
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#50
Toluene-d8
Concen: 48.939 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	98	Resp	692940
Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 124.920 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 43 Resp: 705431

Ion Ratio Lower Upper

43 100

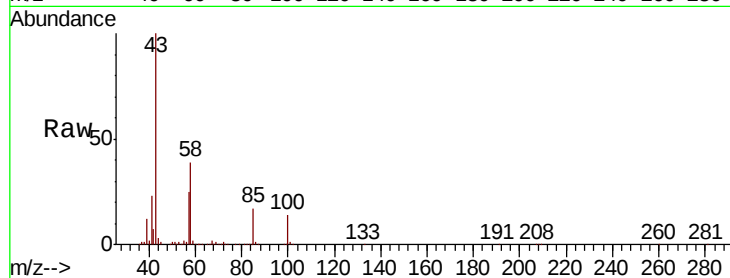
58 39.4 31.5 47.3

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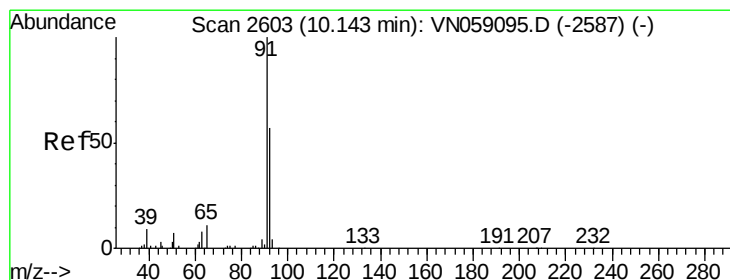
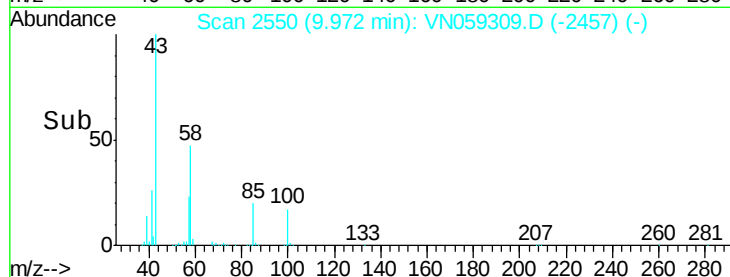
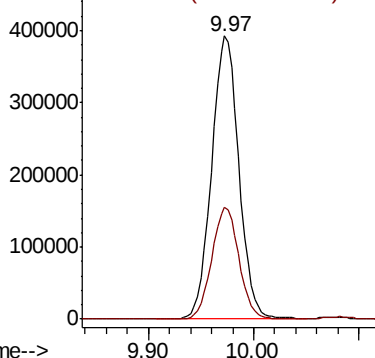
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 23.820 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059309.D

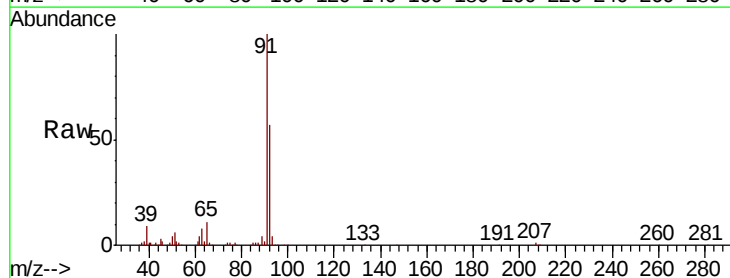
Acq: 19 Nov 2019 16:27

Tgt Ion: 92 Resp: 241936

Ion Ratio Lower Upper

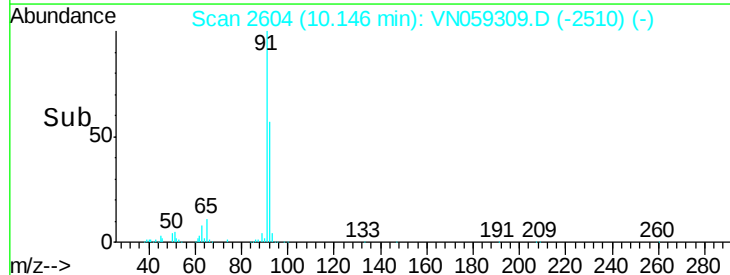
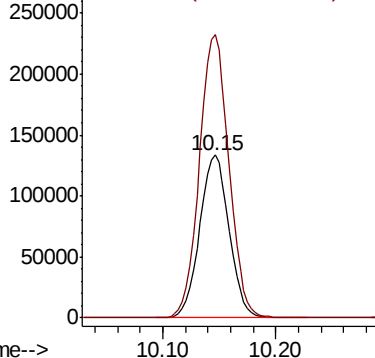
92 100

91 174.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 23.080 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 75 Resp: 152720

Ion Ratio Lower Upper

75 100

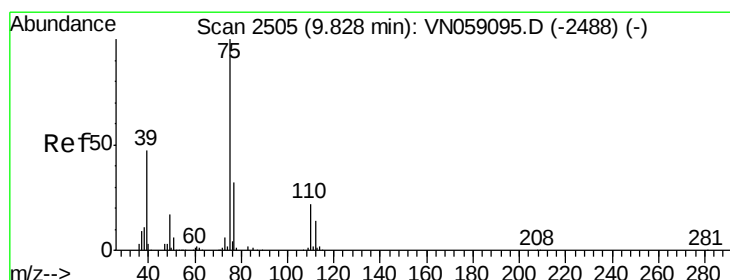
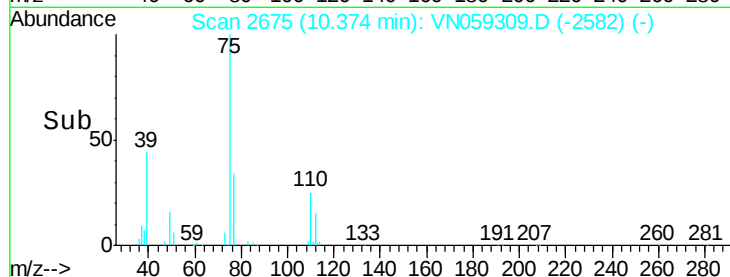
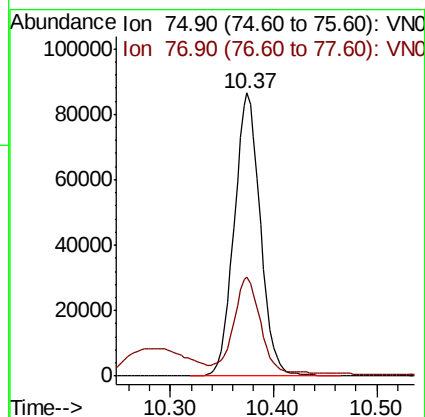
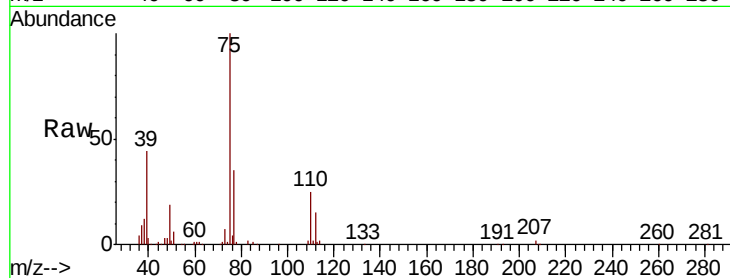
77 33.9 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 23.533 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

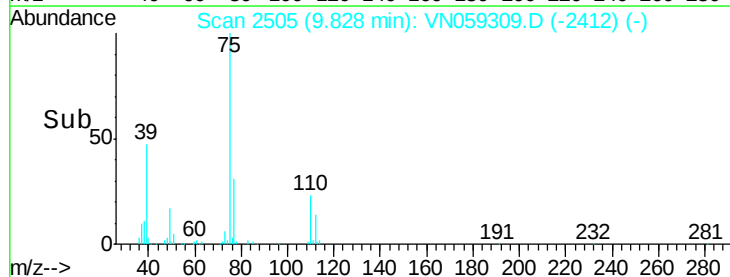
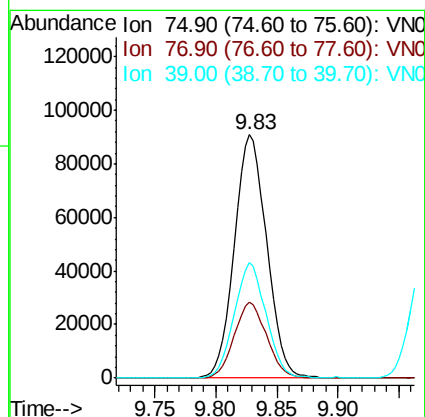
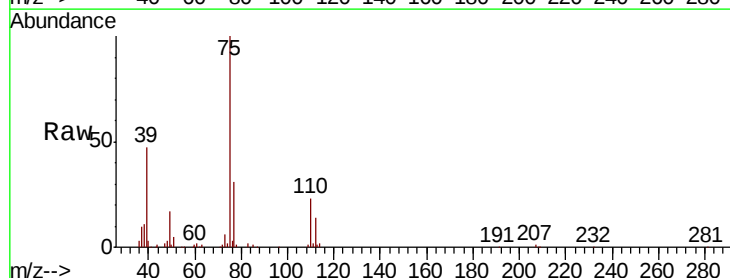
Tgt Ion: 75 Resp: 167503

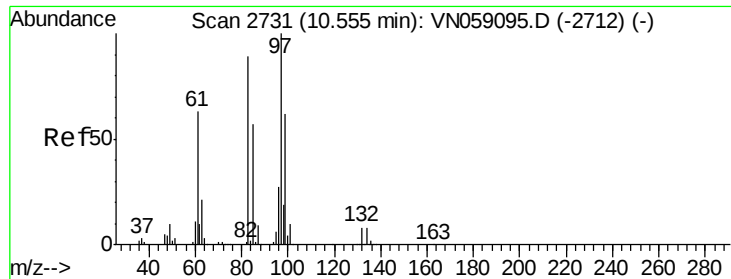
Ion Ratio Lower Upper

75 100

77 31.1 25.5 38.3

39 47.1 37.3 55.9





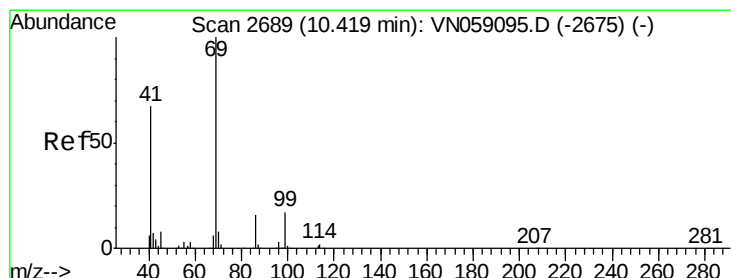
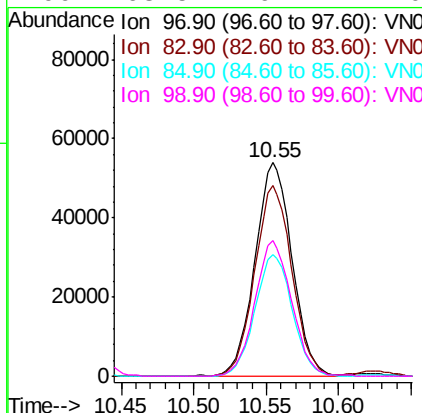
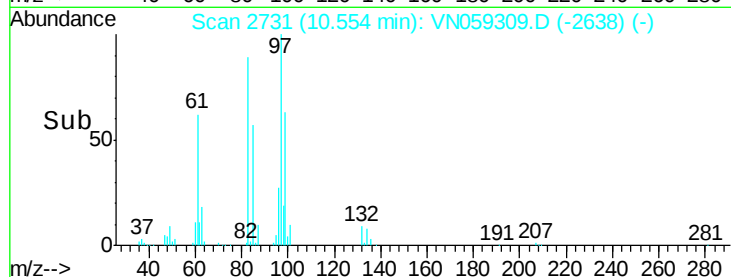
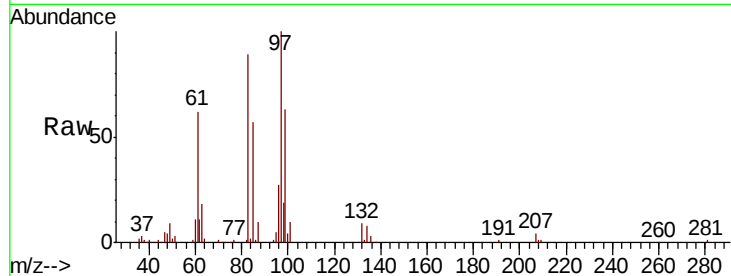
#55
 1,1,2-Trichloroethane
 Concen: 23.436 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion:	97	Resp:	96332
Ion	Ratio	Lower	Upper
97	100		
83	89.0	71.0	106.4
85	57.0	45.8	68.8
99	63.5	49.4	74.0

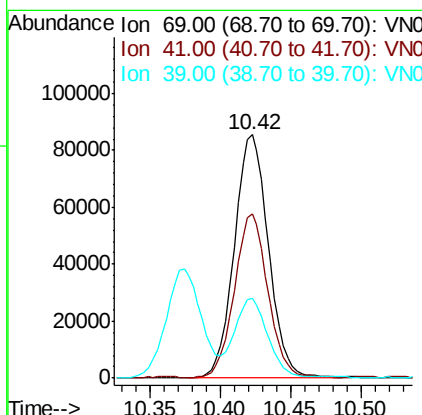
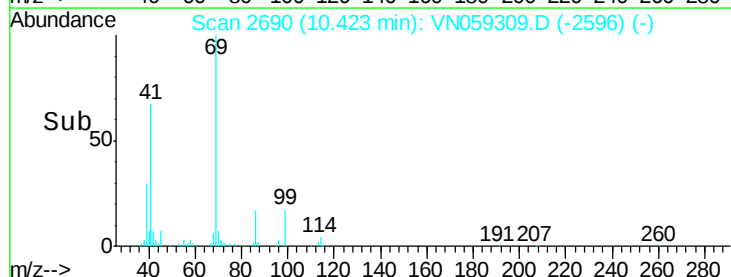
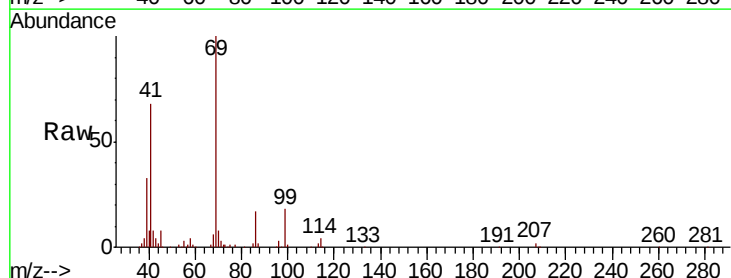
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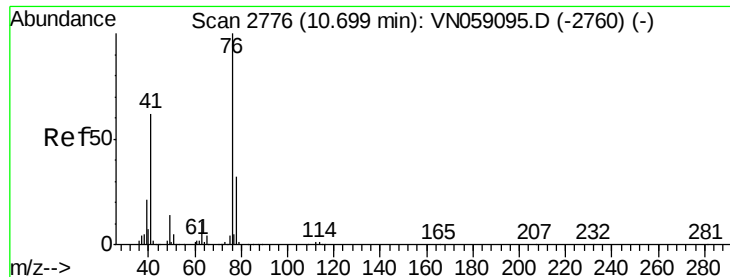
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#56
 Ethyl methacrylate
 Concen: 22.243 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion:	69	Resp:	145091
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.6	80.4
39	32.0	26.2	39.4





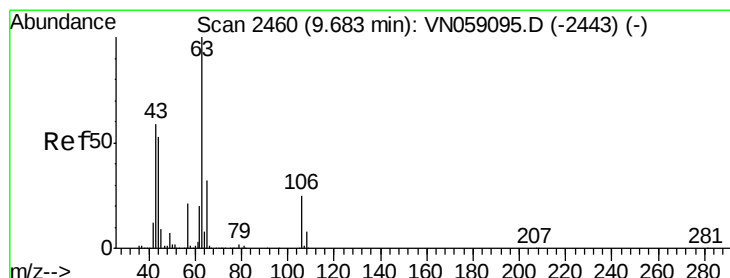
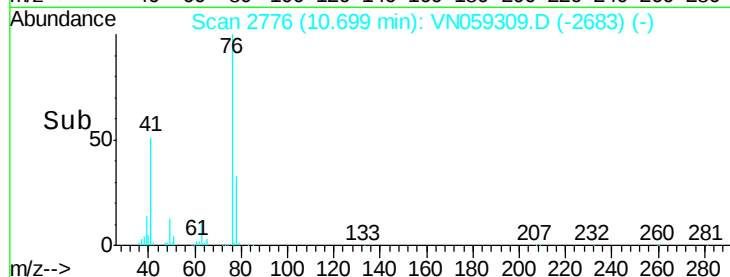
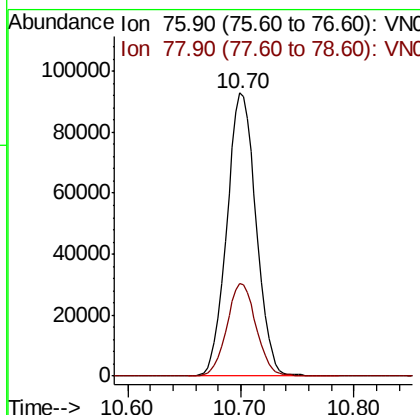
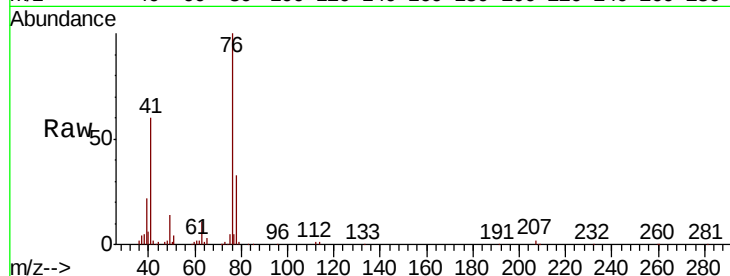
#57
 1,3-Dichloropropane
 Concen: 23.628 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

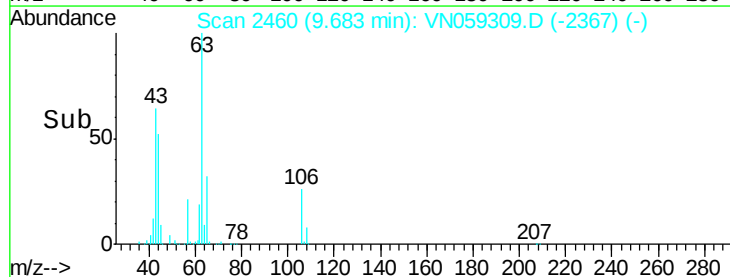
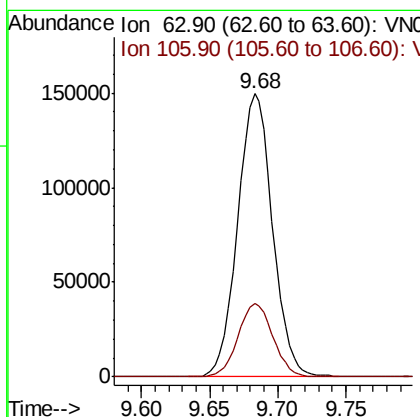
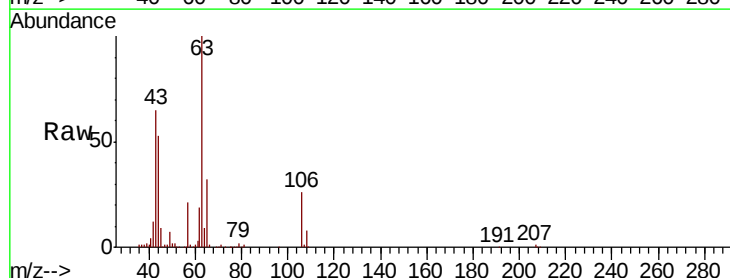
Manual Integrations
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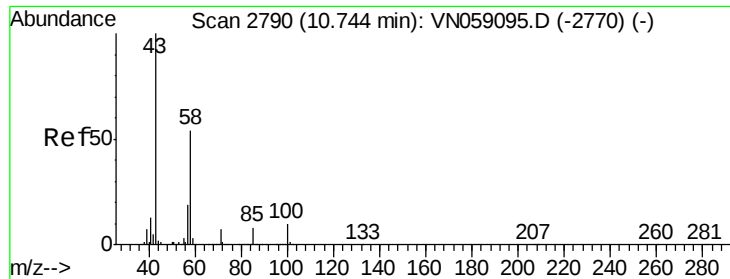
MMDadoda
 11/20/2019 1:37:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.989 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.2	30.2





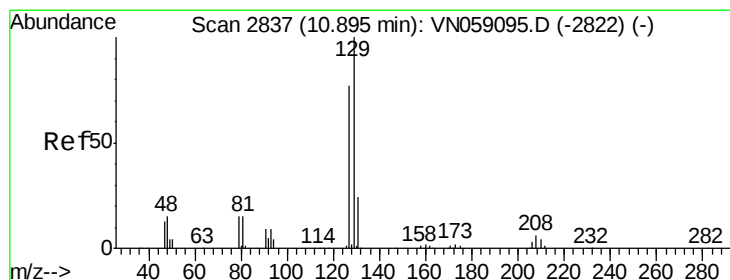
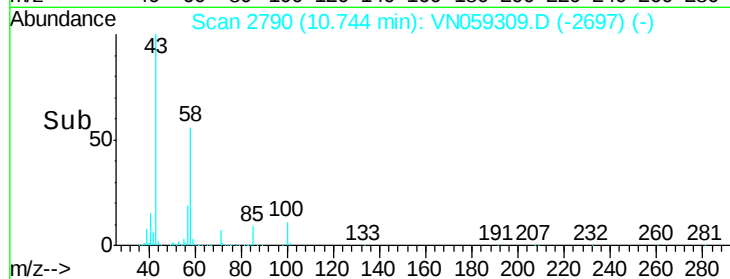
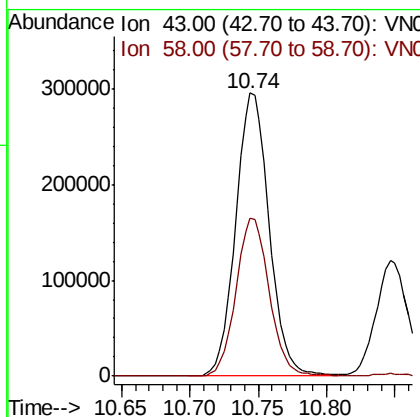
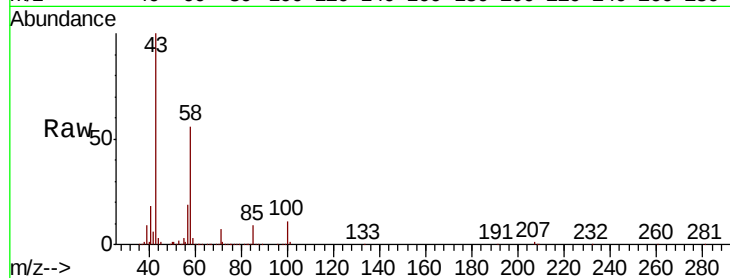
#59
2-Hexanone
Concen: 115.914 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 43 Resp: 502419
Ion Ratio Lower Upper
43 100
58 55.6 27.3 81.8

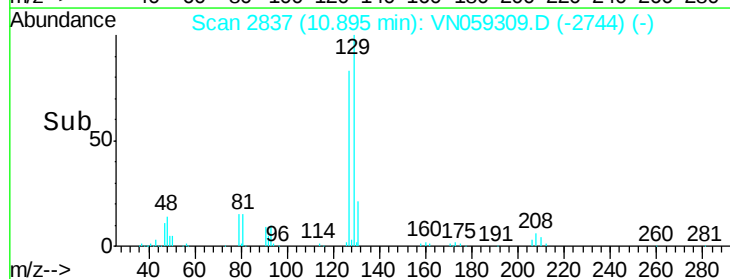
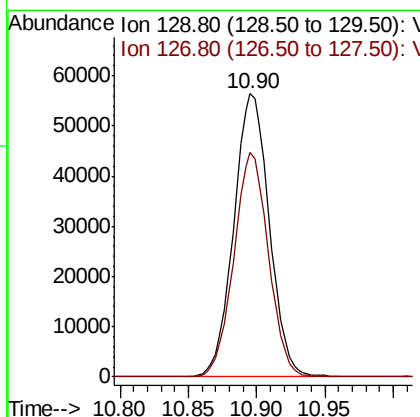
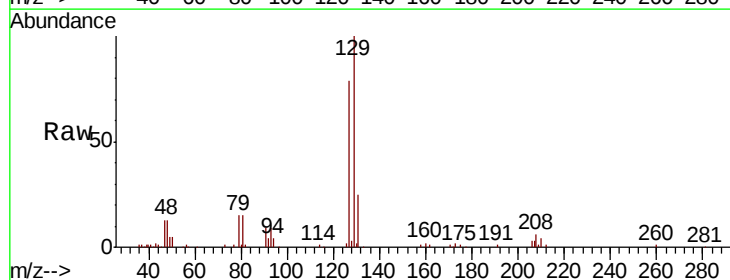
Manual Integrations
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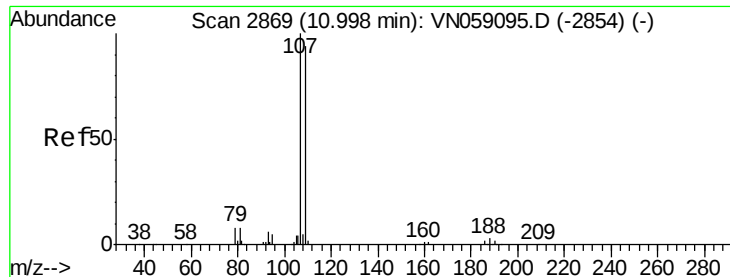
MMDadoda
11/20/2019 1:37:05 PM



#60
Dibromochloromethane
Concen: 23.432 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion: 129 Resp: 101837
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





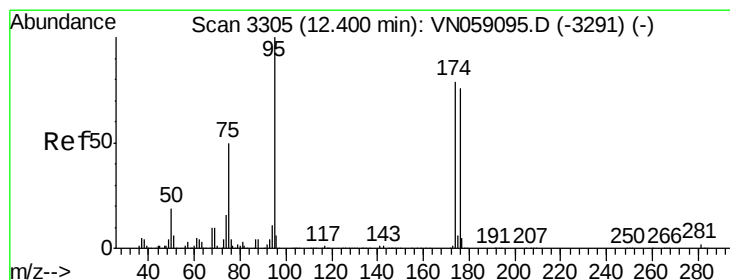
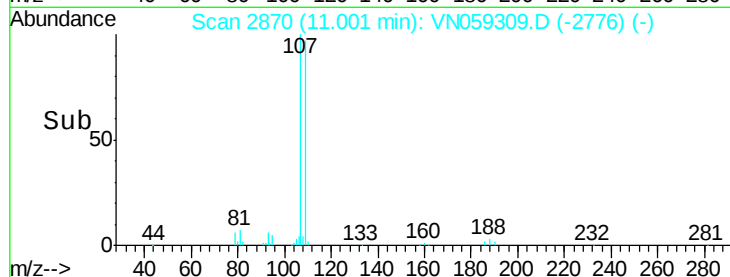
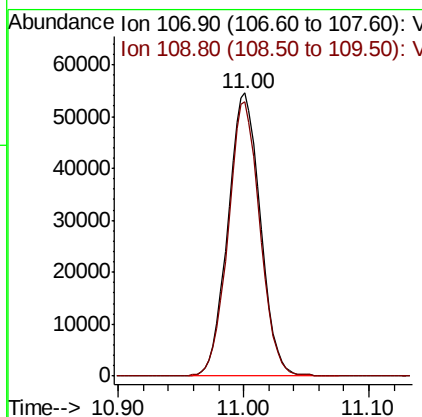
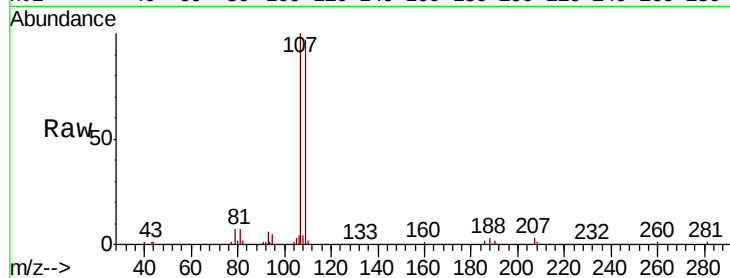
#61
 1,2-Dibromoethane
 Concen: 23.568 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.5	113.3

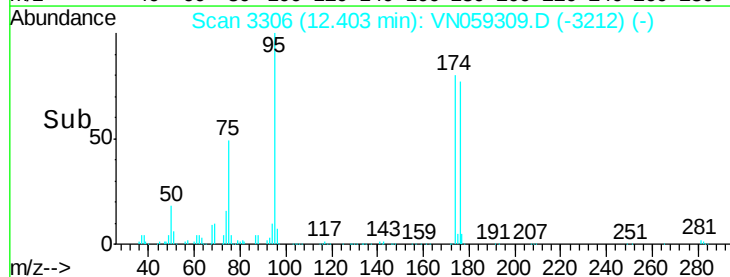
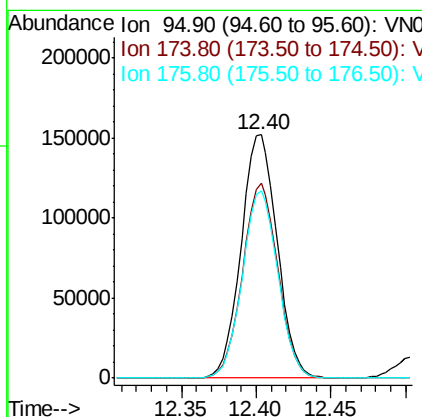
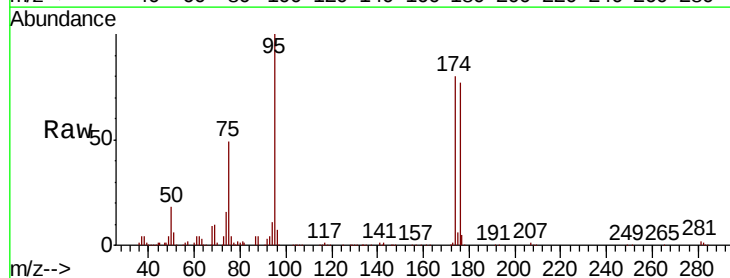
Manual Integrations
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 11/20/2019 1:37:05 PM



#62
 4-Bromofluorobenzene
 Concen: 49.963 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	158.2
176	75.9	0.0	151.8





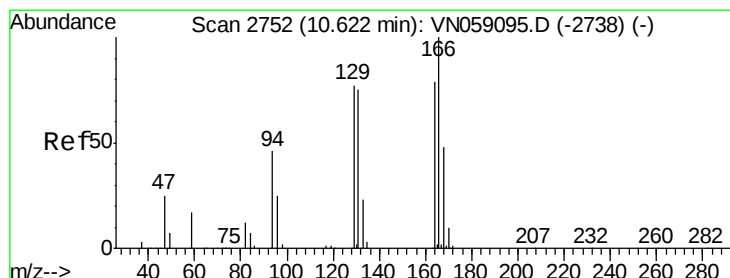
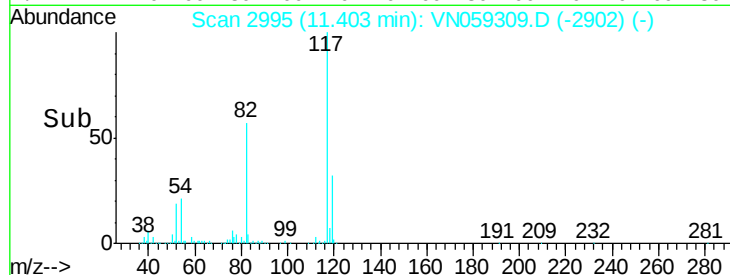
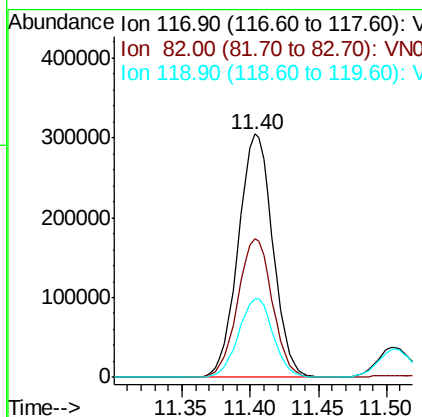
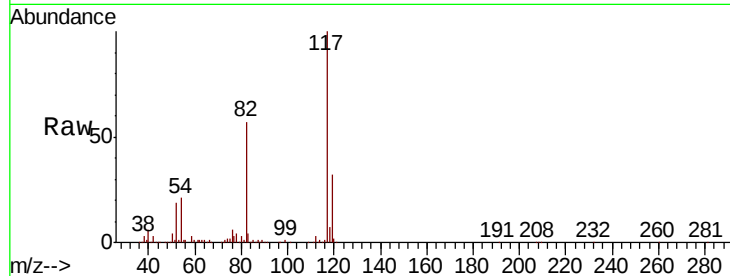
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	32.4	25.8	38.6

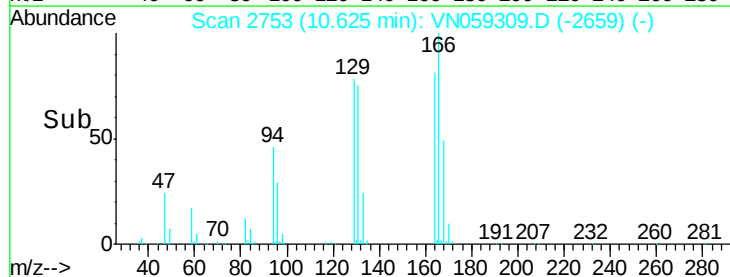
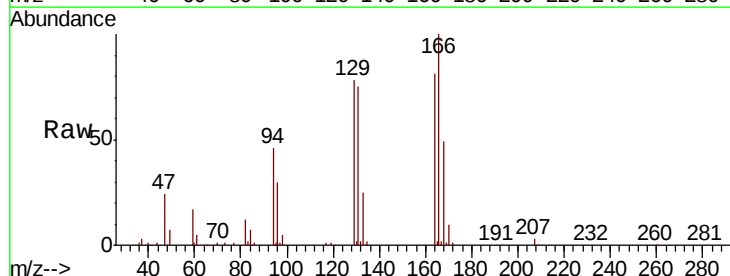
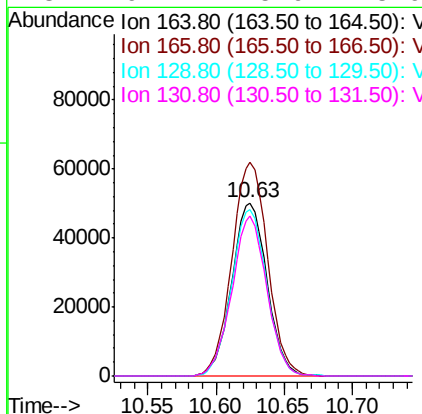
Manual Integrations
APPROVED

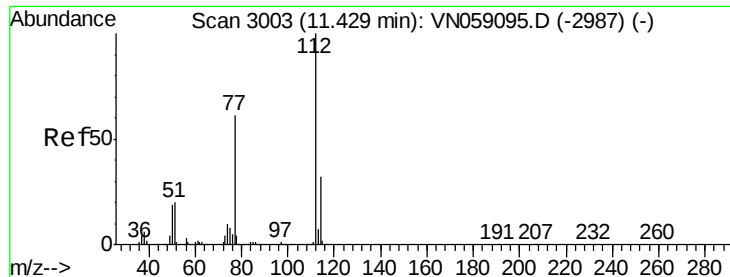
MMDadoda
11/20/2019 1:37:05 PM



#64
Tetrachloroethene
Concen: 24.665 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	101.5	152.3
129	96.3	78.3	117.5
131	92.1	75.9	113.9





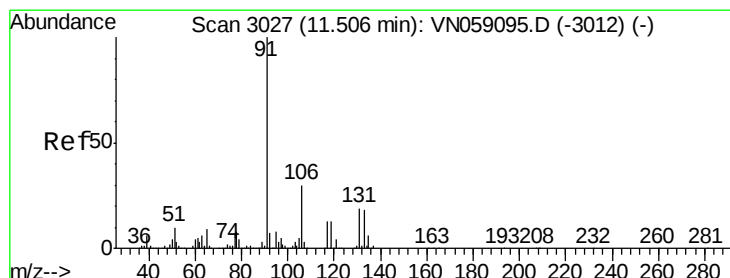
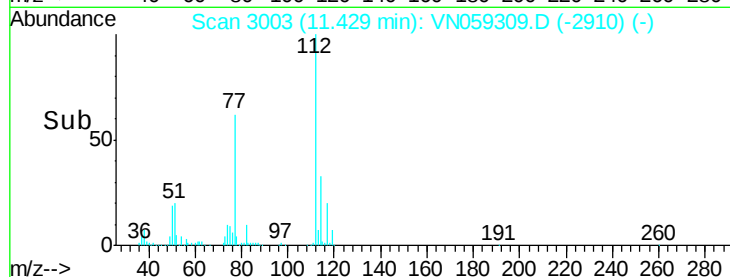
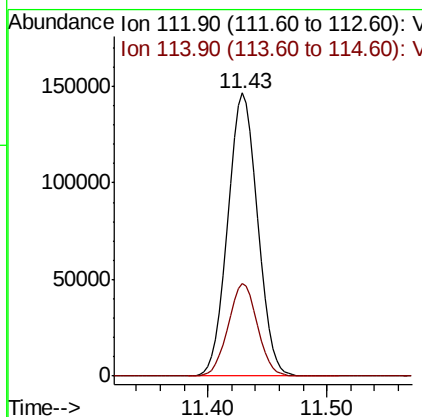
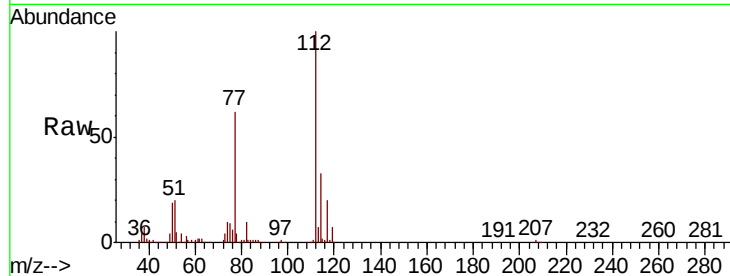
#65
Chlorobenzene
Concen: 24.382 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.2	37.8

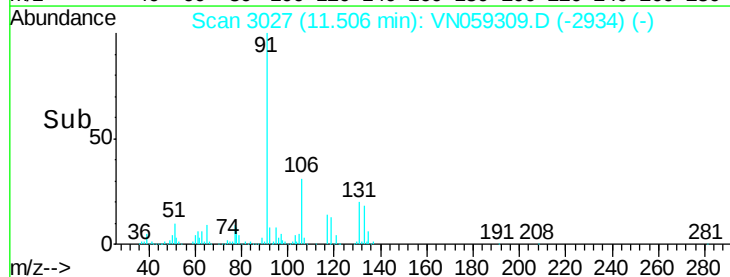
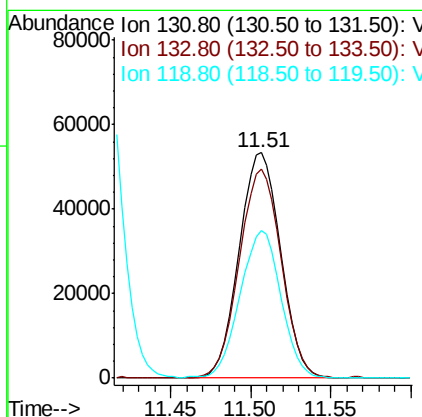
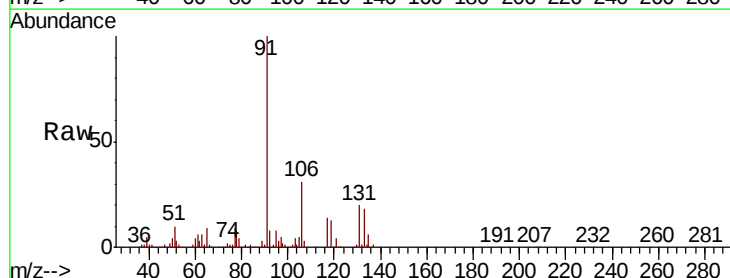
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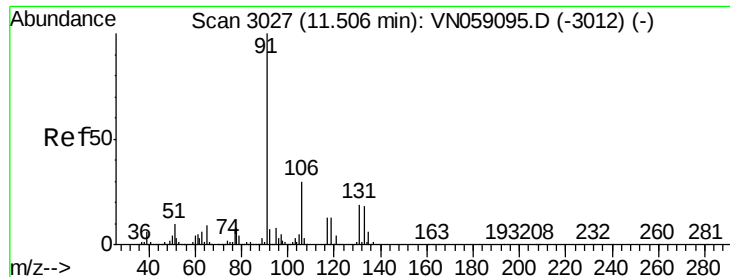
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.151 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.4	142.3
119	64.0	33.2	99.6





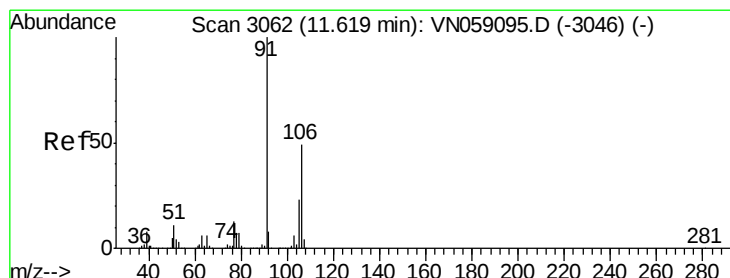
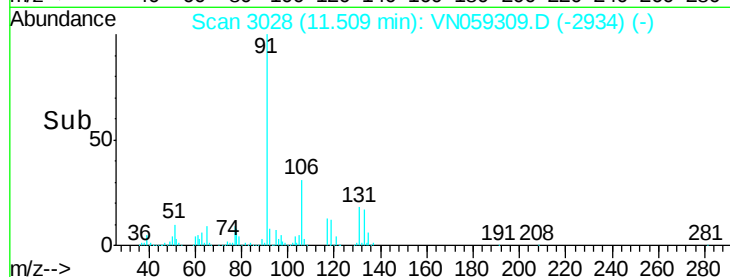
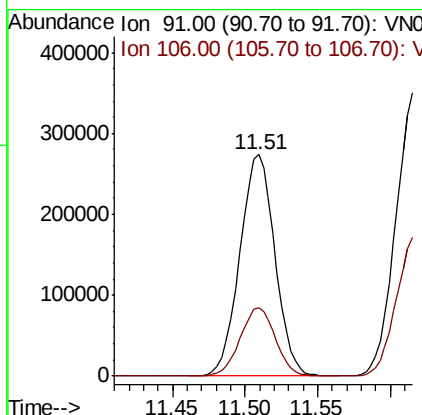
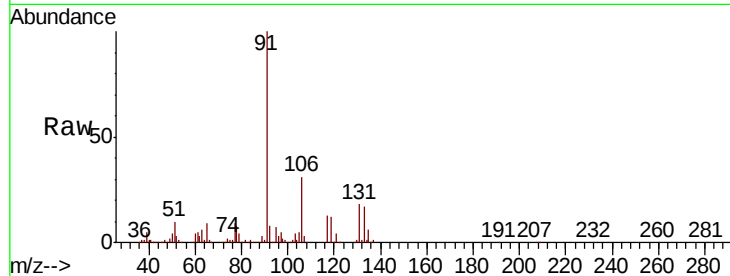
#67
Ethyl Benzene
Concen: 24.868 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 91 Resp: 461099
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

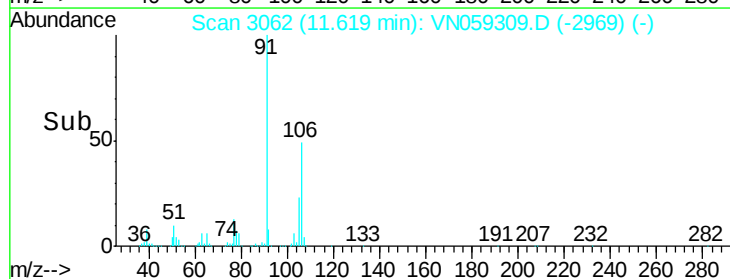
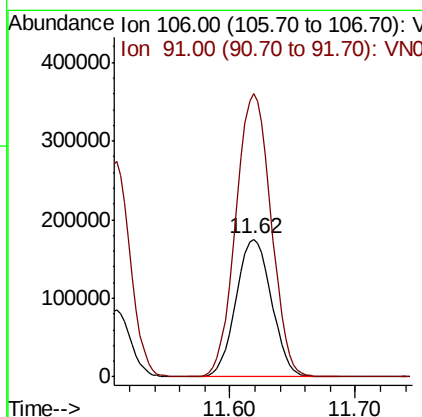
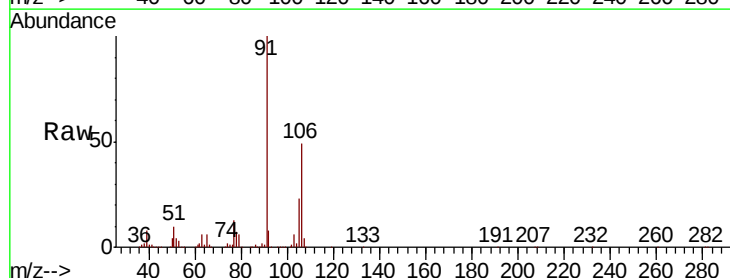
Manual Integrations
APPROVED

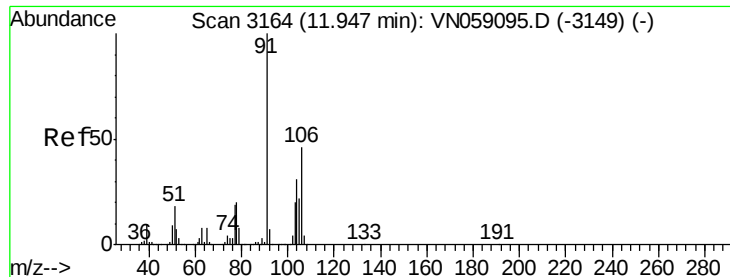
MMDadoda
11/20/2019 1:37:05 PM



#68
m/p-Xylenes
Concen: 49.658 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion: 106 Resp: 344903
Ion Ratio Lower Upper
106 100
91 204.1 164.7 247.1





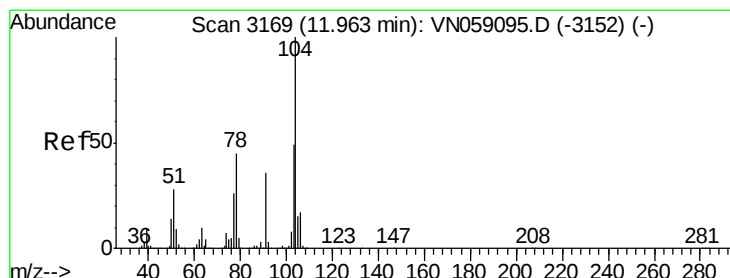
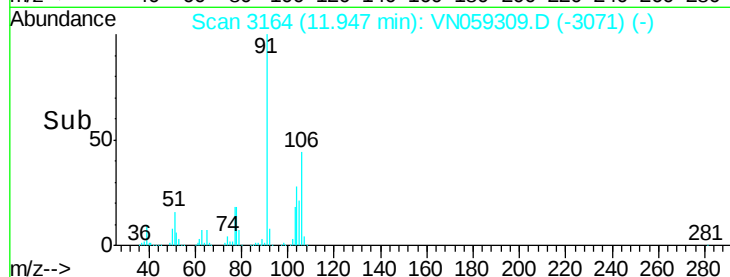
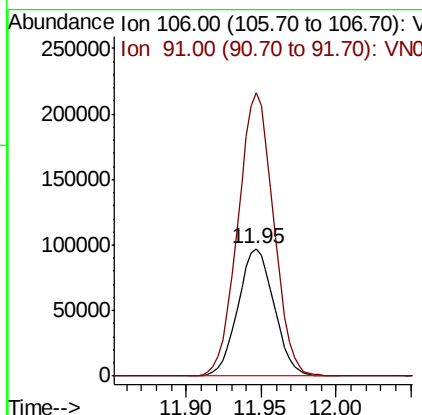
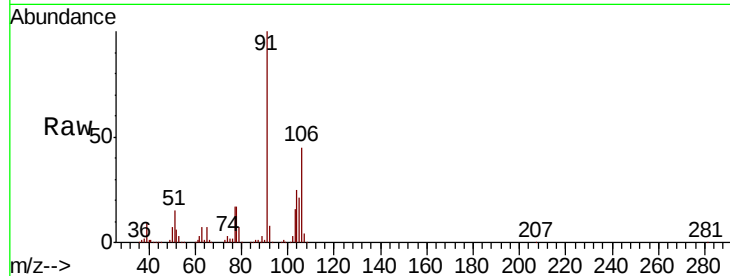
#69
o-Xylene
Concen: 24.363 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		163529		
91	219.1	110.1	330.3		

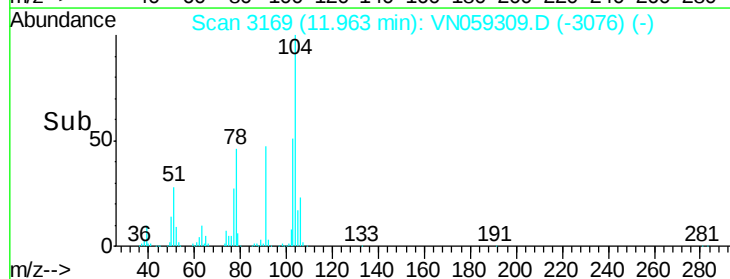
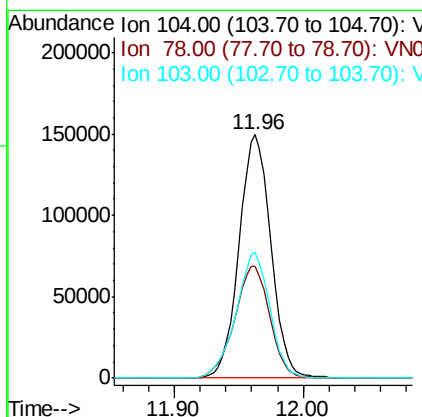
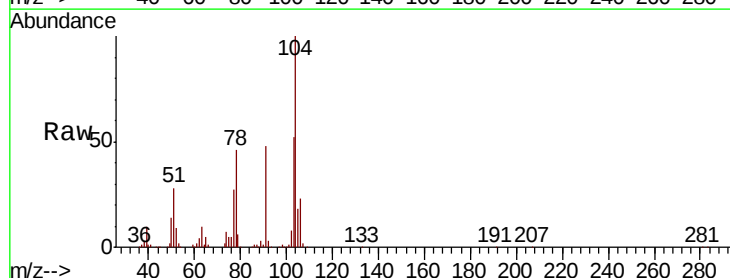
Manual Integrations
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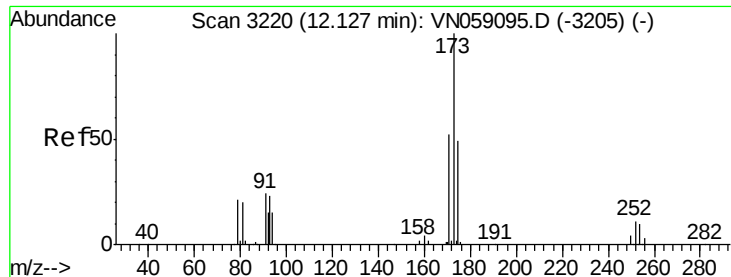
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#70
Styrene
Concen: 24.379 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		257352		
78	50.8	41.2	61.8		
103	54.9	43.8	65.6		





#71

Bromoform

Concen: 23.471 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

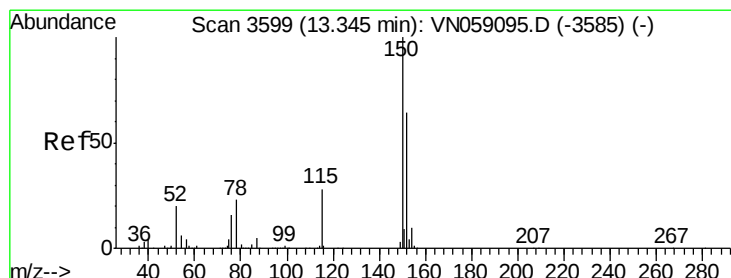
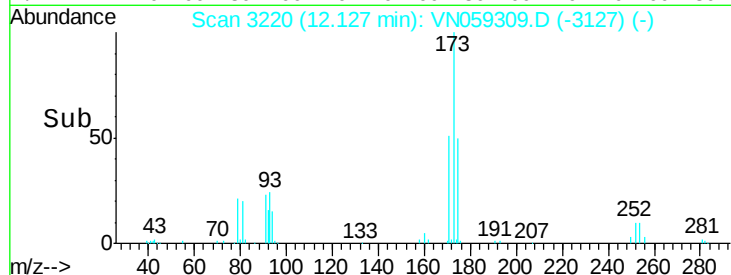
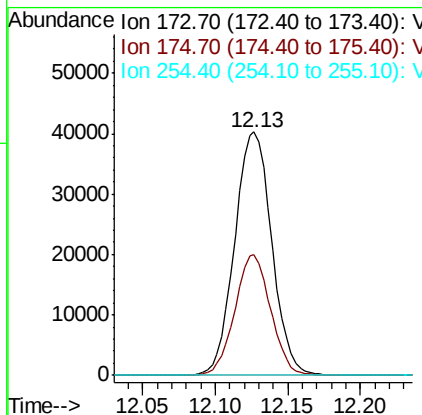
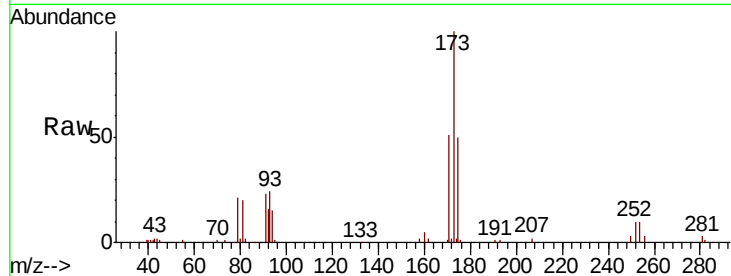
ClientSampleId :

VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.2	72.6
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

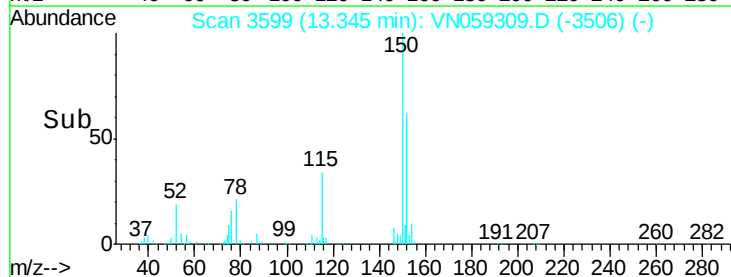
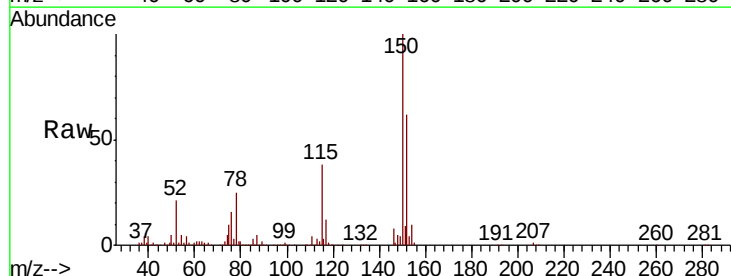
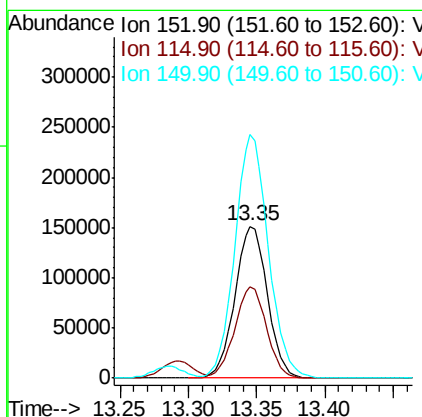
RT: 13.35 min Scan# 3599

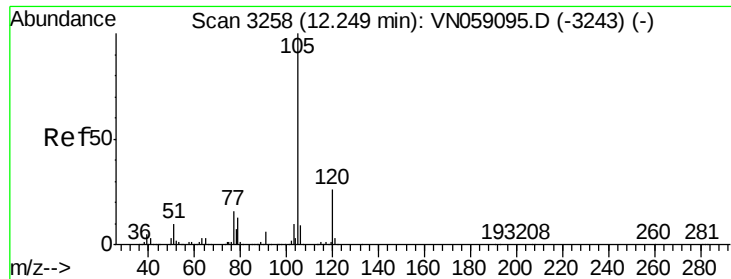
Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.4	88.2
150	166.0	0.0	345.8





#73

Isopropylbenzene

Concen: 24.299 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 105 Resp: 440267

Ion Ratio Lower Upper

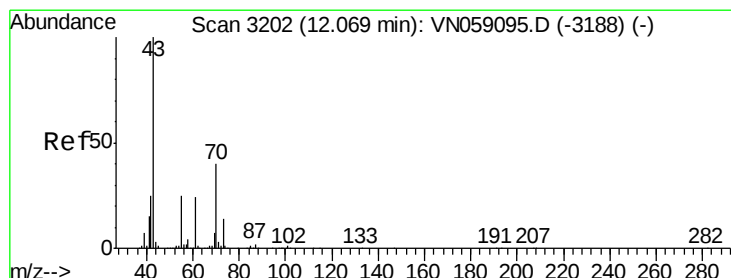
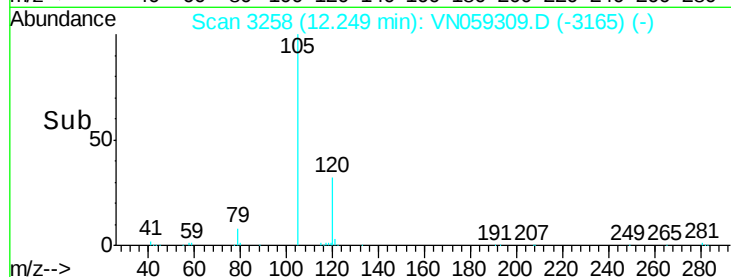
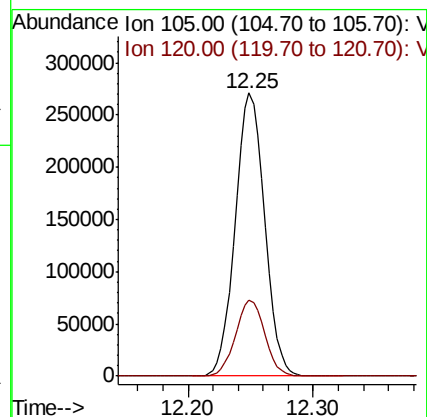
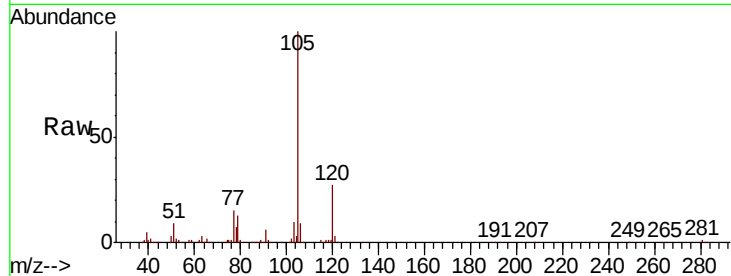
105 100

120 26.6 13.1 39.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.647 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion: 43 Resp: 173871

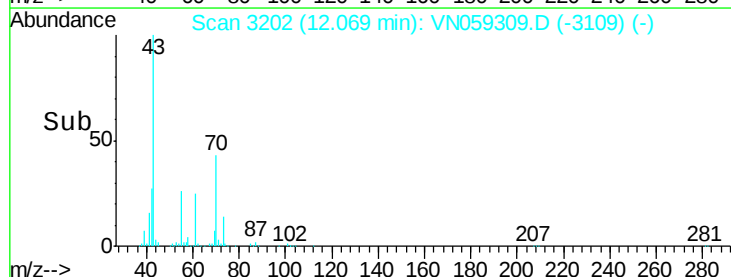
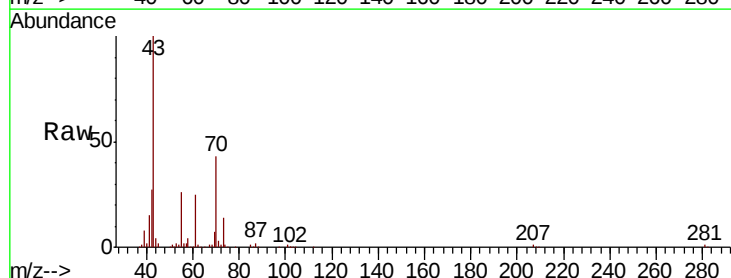
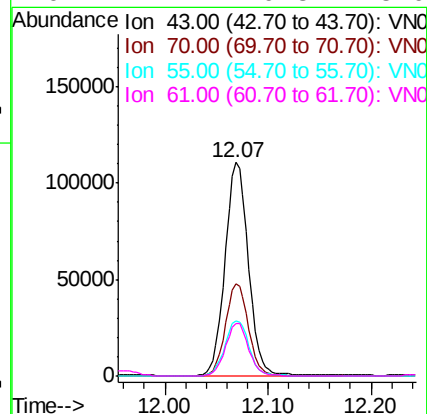
Ion Ratio Lower Upper

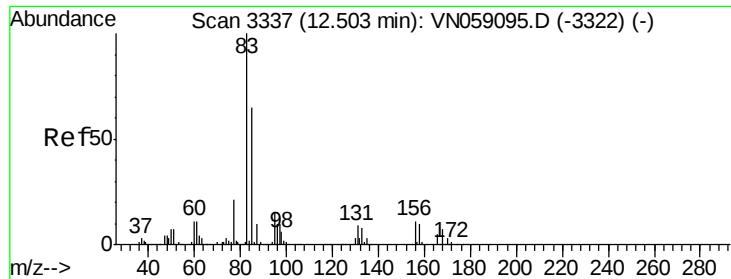
43 100

70 42.7 32.2 48.4

55 27.2 20.4 30.6

61 24.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 23.332 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 83 Resp: 143966

Ion Ratio Lower Upper

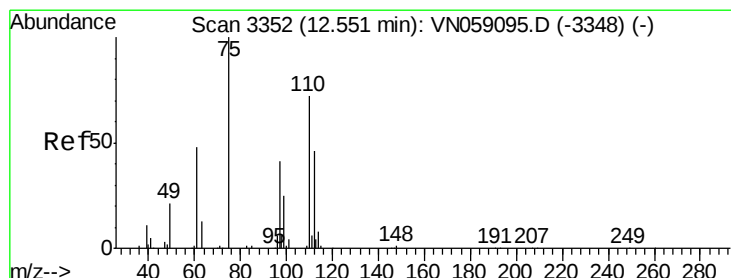
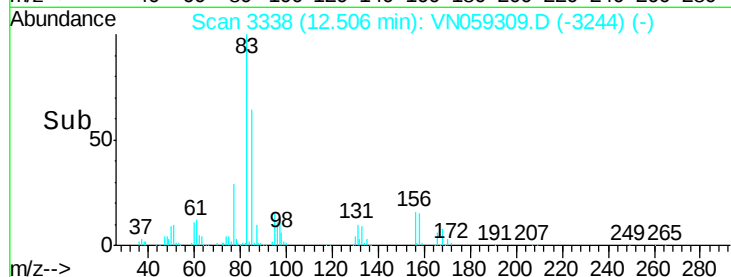
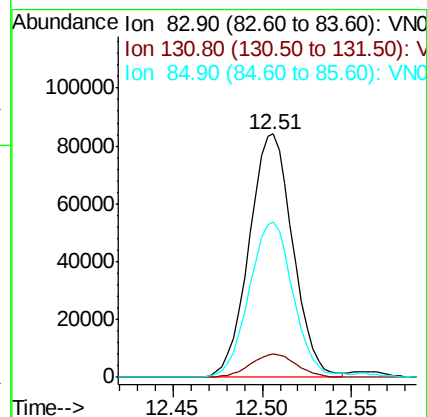
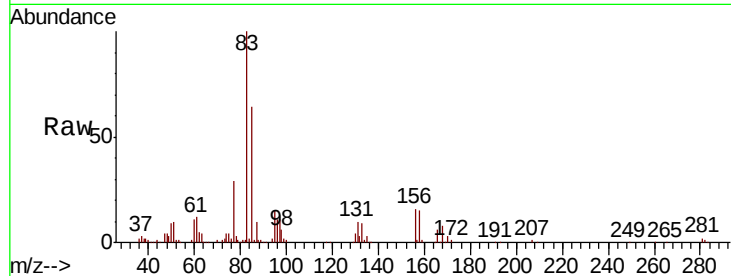
83 100

131 10.1 4.9 14.6

85 64.4 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 23.388 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059309.D

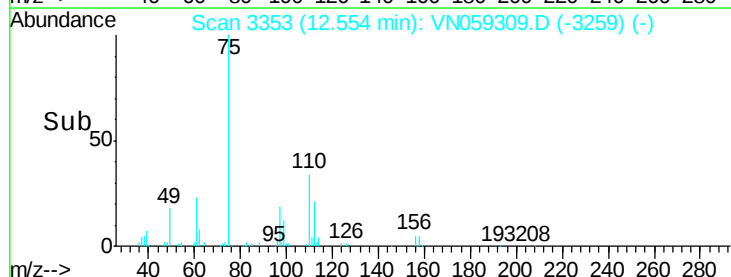
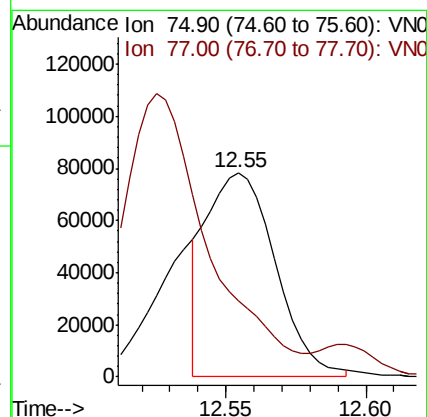
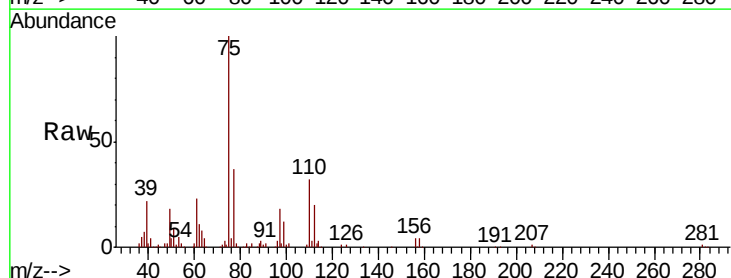
Acq: 19 Nov 2019 16:27

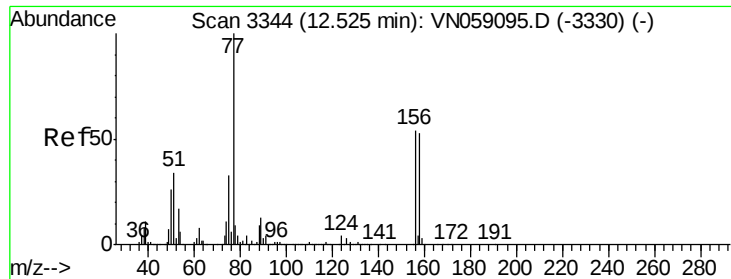
Tgt Ion: 75 Resp: 132628

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 23.167 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

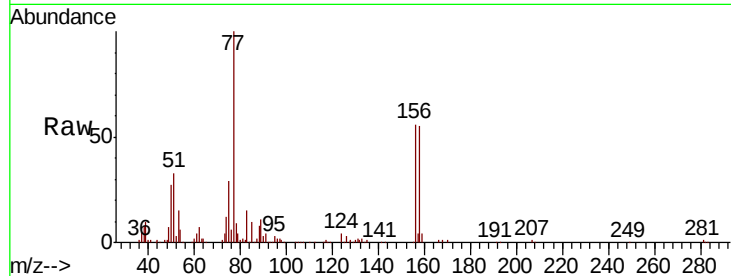
ClientSampleId :

VN1119WBSD04

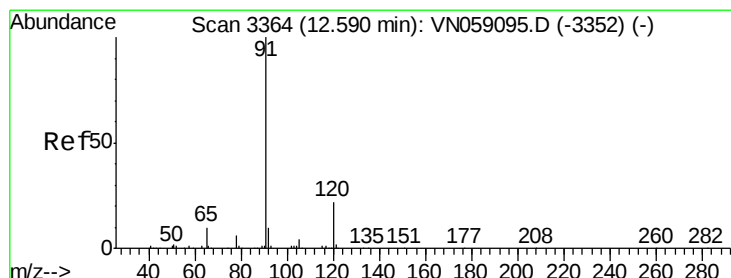
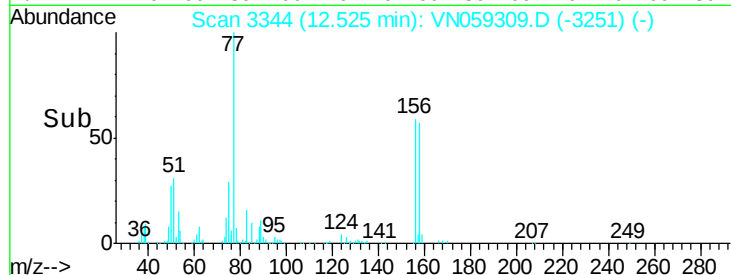
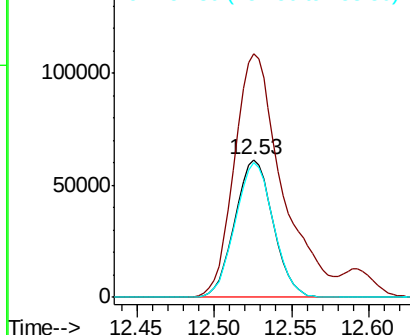
Tot Ion:	156	Resp:	105461
Ion Ratio	Lower	Upper	
156	100		
77	221.0	112.8	338.3
158	98.2	48.4	145.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 24.373 ug/l

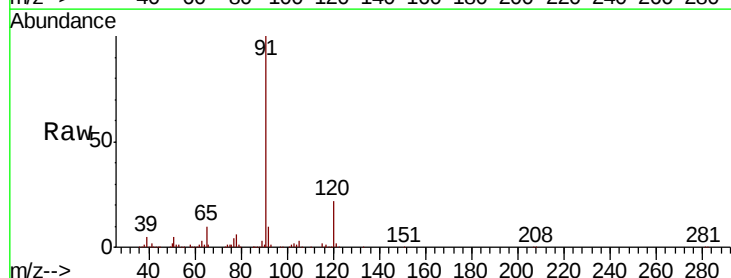
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

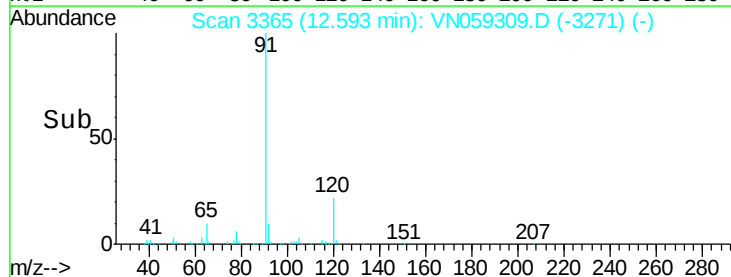
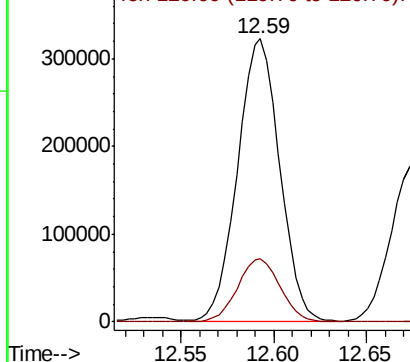
Lab File: VN059309.D

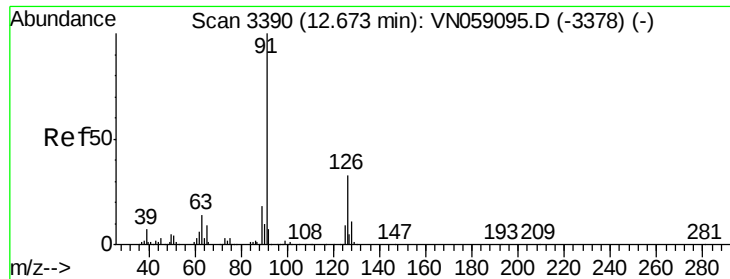
Acq: 19 Nov 2019 16:27

Tgt Ion:	91	Resp:	505632
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.382 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 91 Resp: 300922

Ion Ratio Lower Upper

91 100

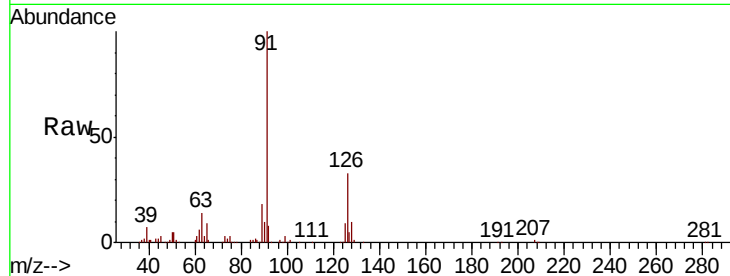
126 33.2 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059309.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN059309.D (-3391) (-)

Time-->

12.60 12.65 12.70

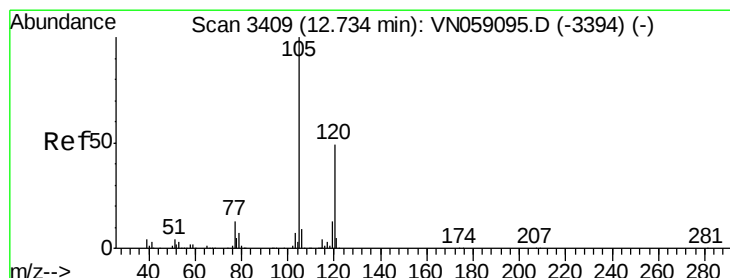
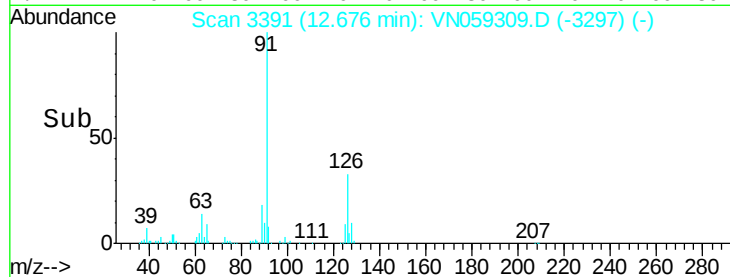
12.68

300000

200000

100000

0



#80

1,3,5-Trimethylbenzene

Concen: 24.244 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059309.D

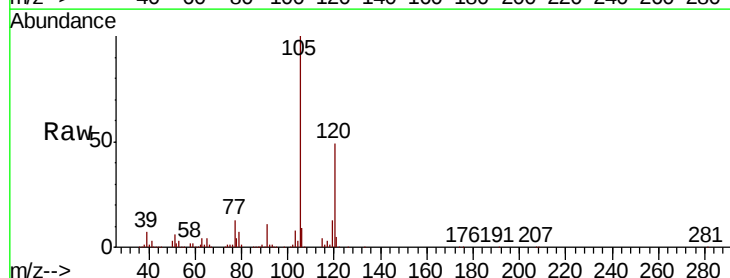
Acq: 19 Nov 2019 16:27

Tgt Ion: 105 Resp: 372217

Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059309.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN059309.D (-3409) (-)

Time-->

12.70 12.80

12.73

250000

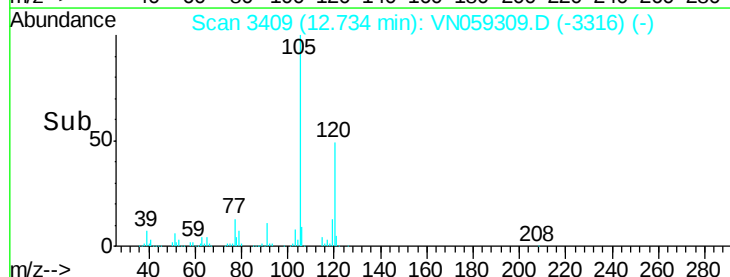
200000

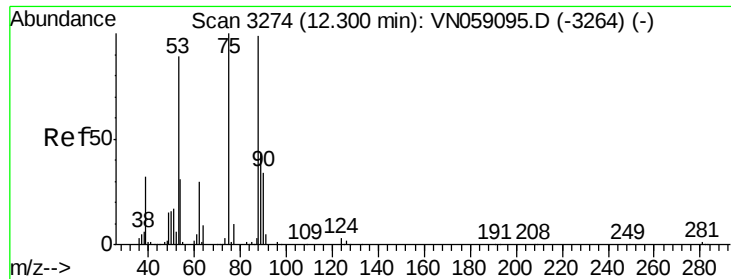
150000

100000

50000

0





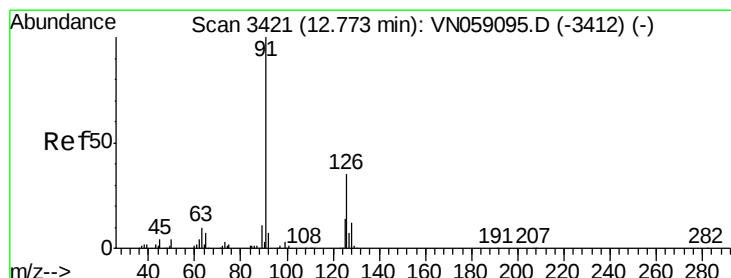
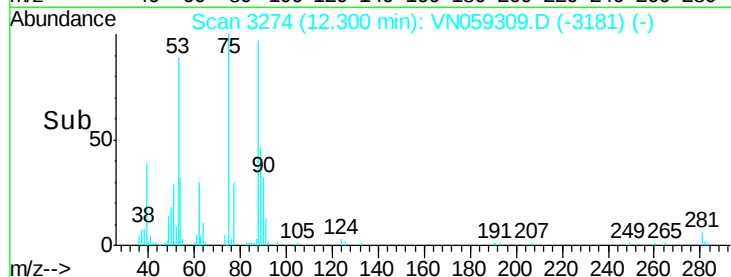
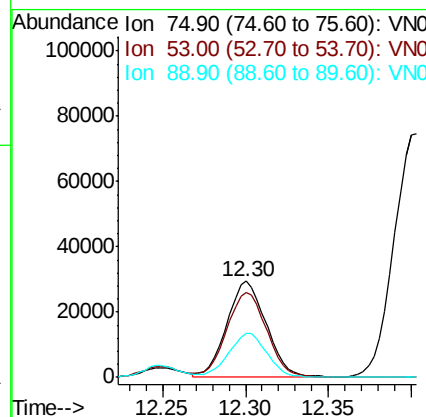
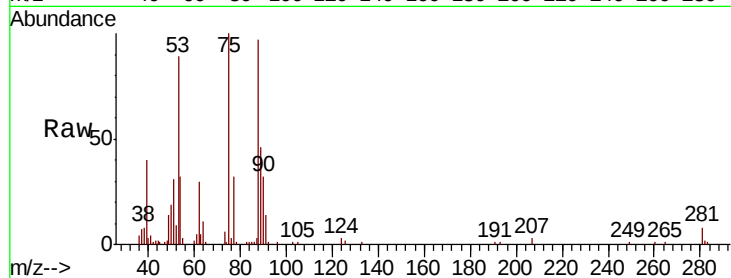
#81
trans-1,4-Dichloro-2-butene
Concen: 22.635 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.1	72.2	108.2
89	44.7	35.8	53.8

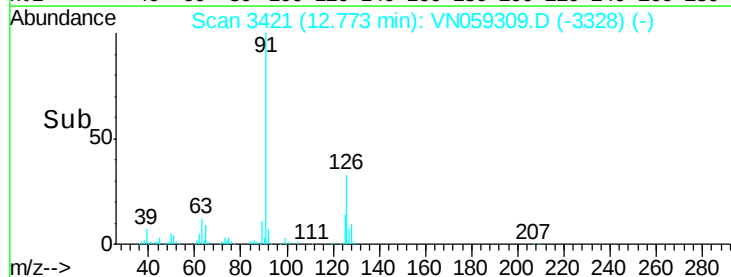
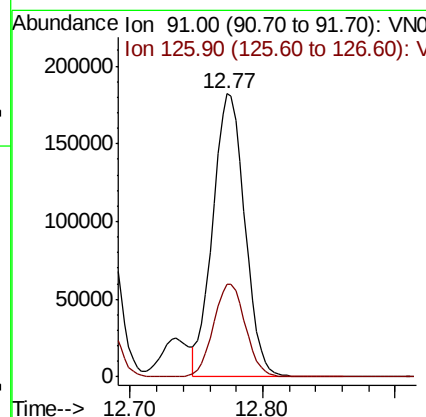
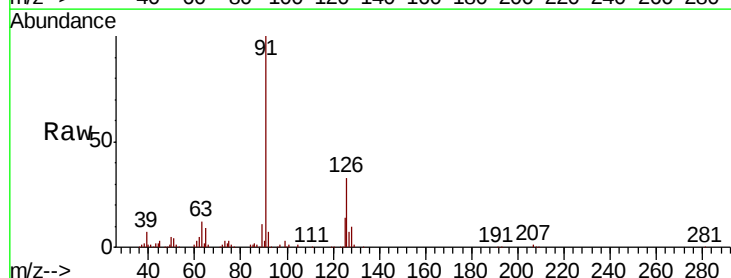
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#82
4-Chlorotoluene
Concen: 23.544 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.1	48.2





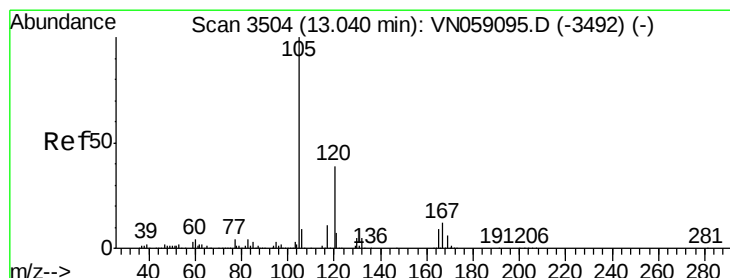
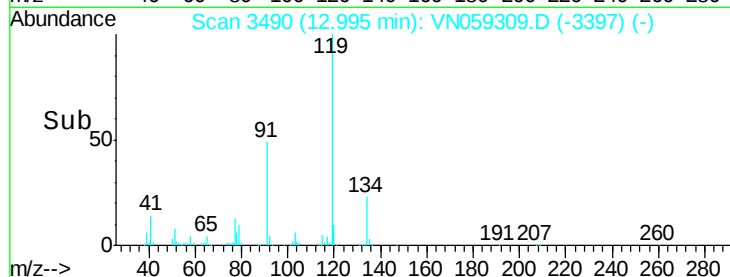
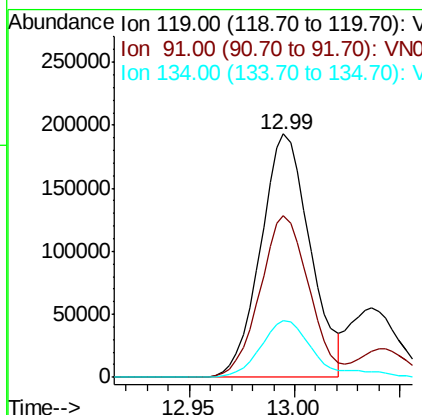
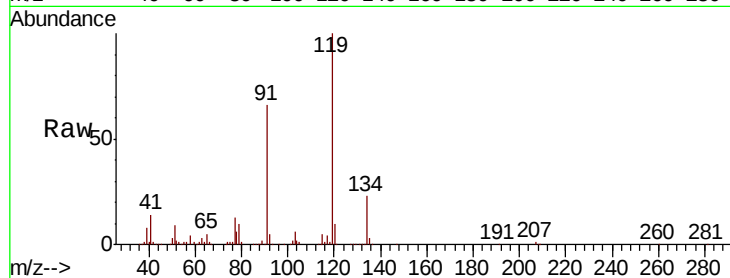
#83
tert-Butylbenzene
Concen: 23.769 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	33.2	99.6
134	25.4	12.7	38.1

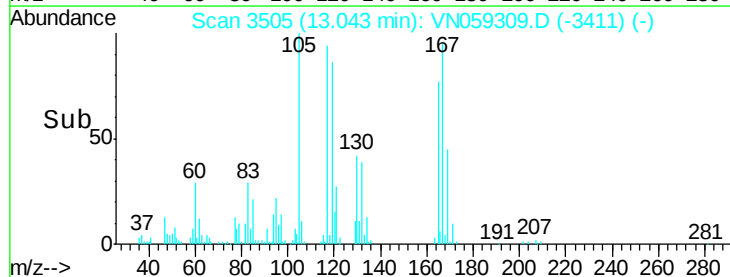
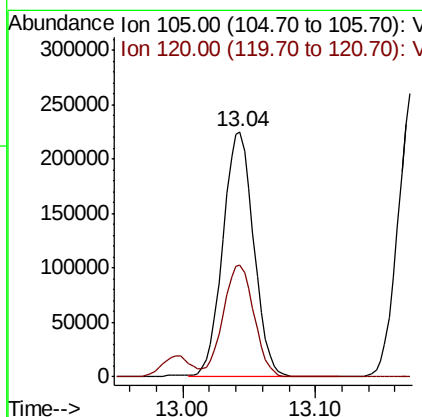
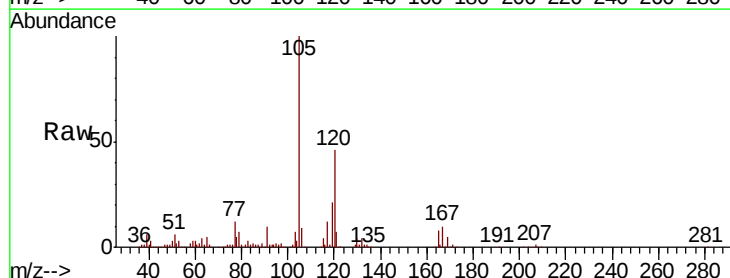
Manual Integrations
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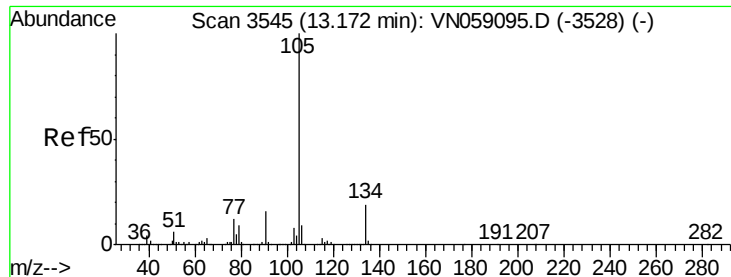
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#84
1,2,4-Trimethylbenzene
Concen: 24.358 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.8	68.4





#85

sec-Butylbenzene

Concen: 24.319 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion:105 Resp: 419335

Ion Ratio Lower Upper

105 100

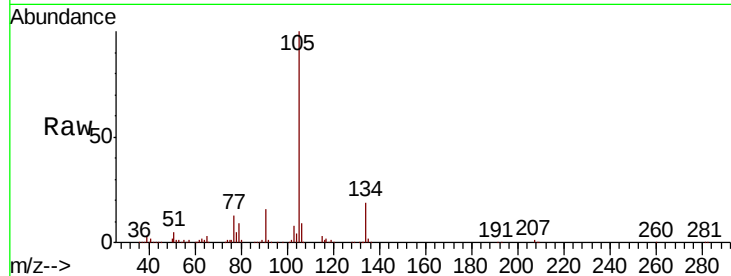
134 19.5 9.7 29.1

Manual Integrations

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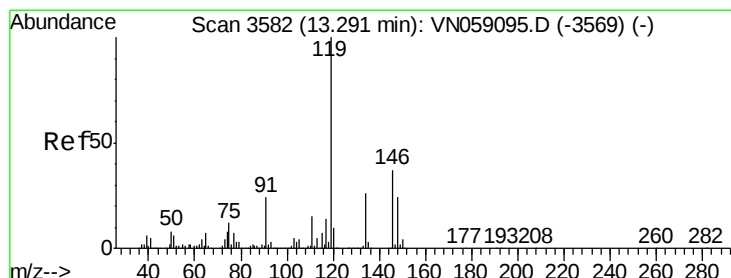
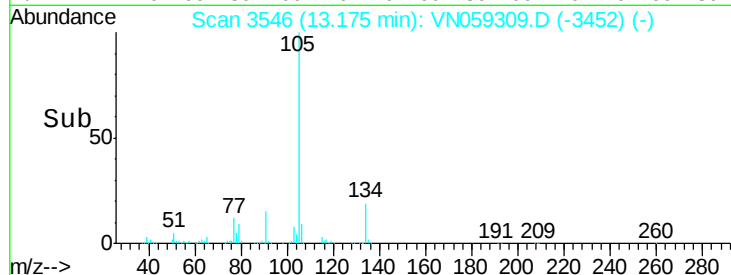
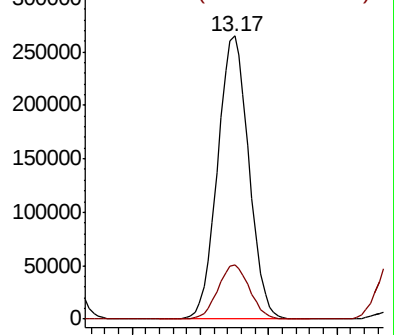
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 24.737 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

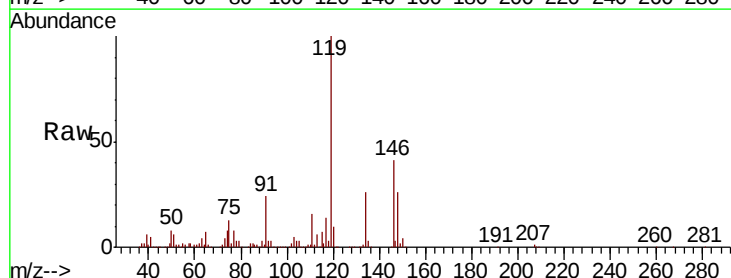
Tgt Ion:119 Resp: 376634

Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

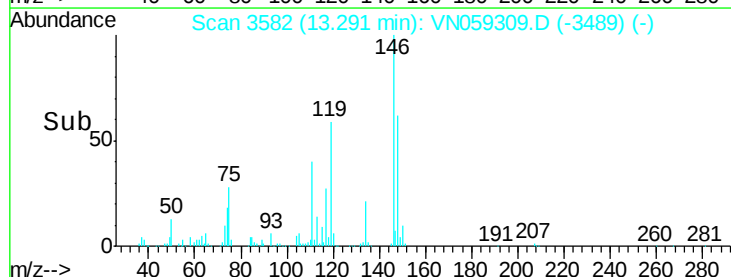
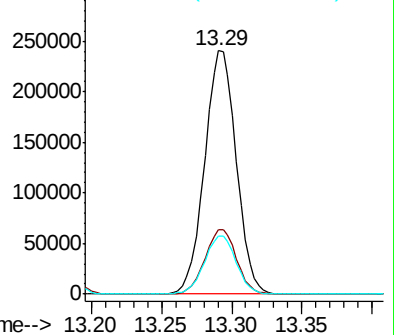
91 24.1 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.908 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059309.D

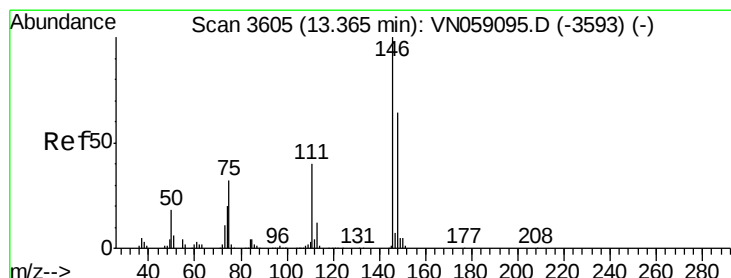
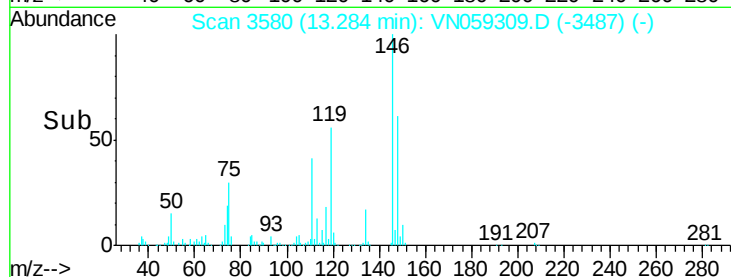
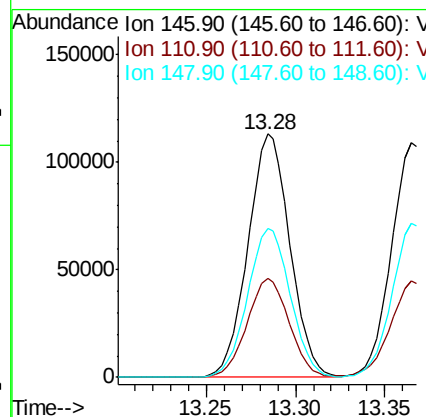
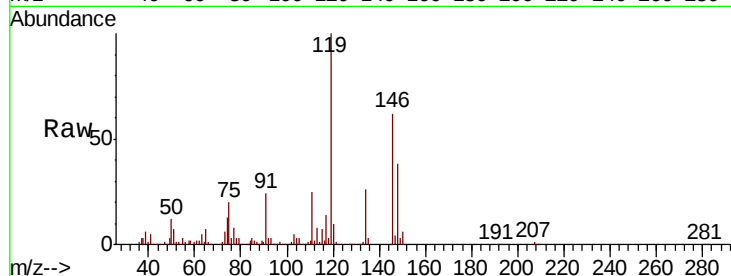
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.3
148	62.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 23.446 ug/l

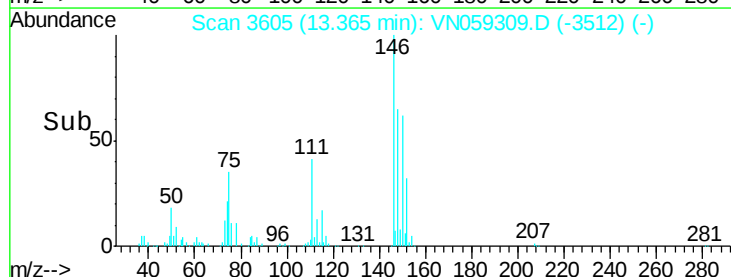
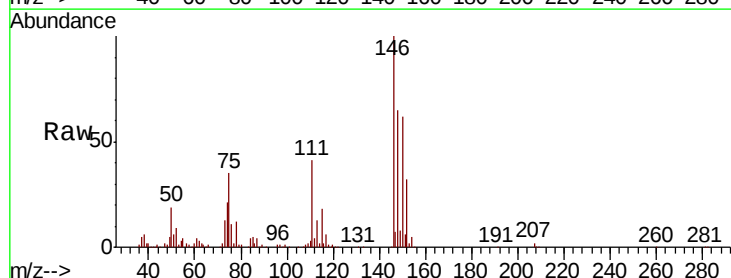
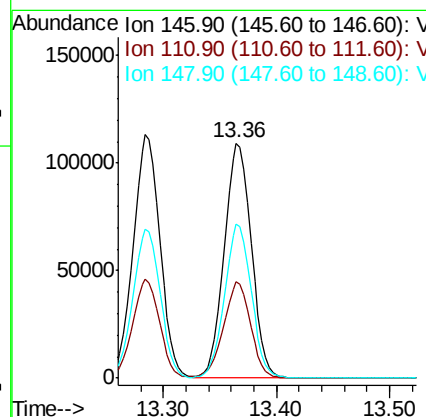
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059309.D

Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.9
148	64.6	31.9	95.7





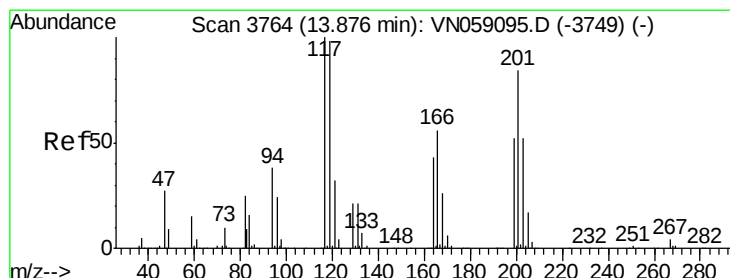
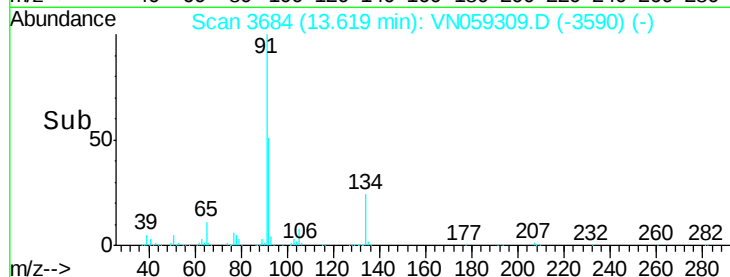
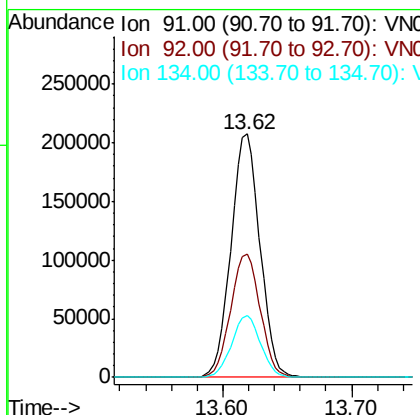
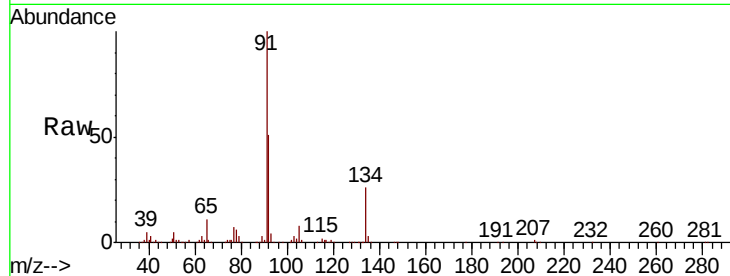
#89
n-Butylbenzene
Concen: 24.290 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	25.5	12.6	37.8

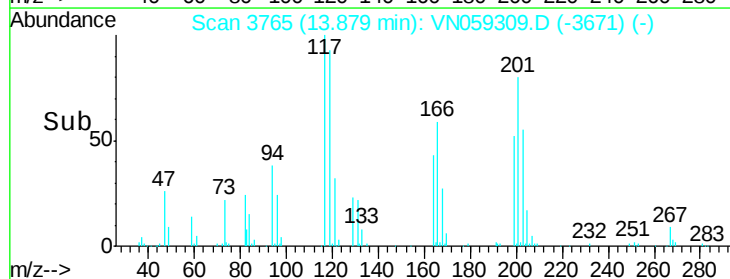
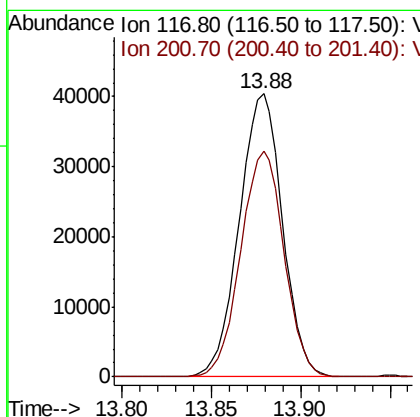
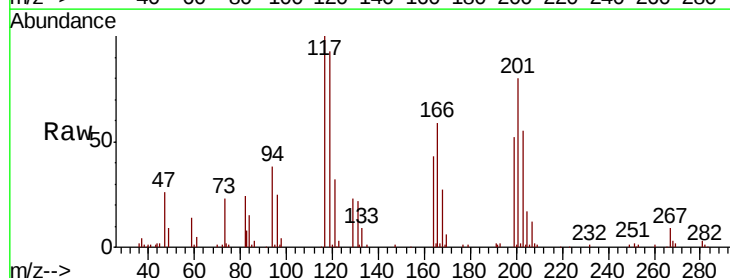
Manual Integrations
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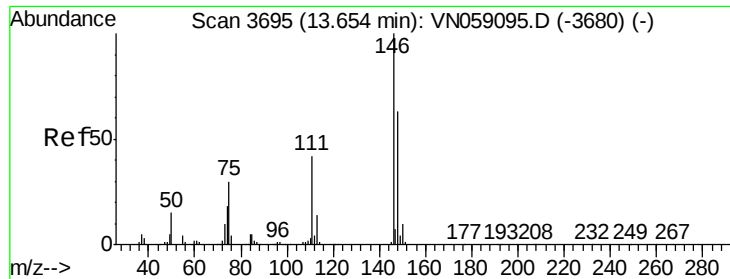
MMDadoda
11/20/2019 1:37:05 PM



#90
Hexachloroethane
Concen: 22.285 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	41.8	125.3





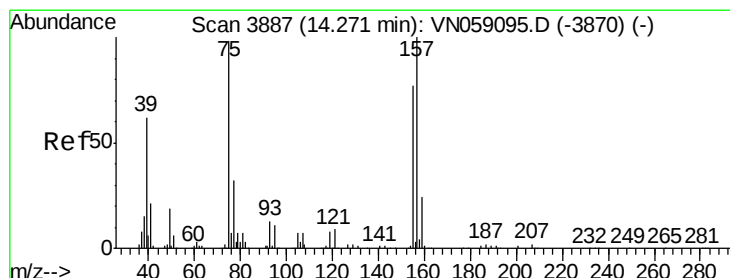
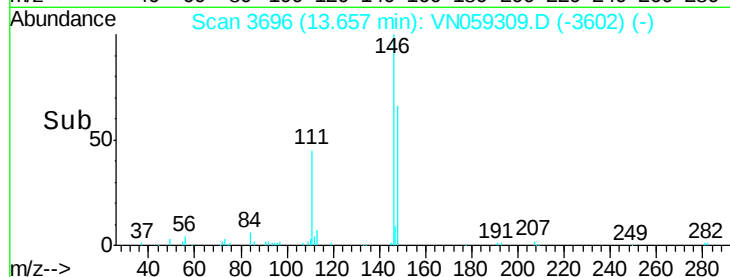
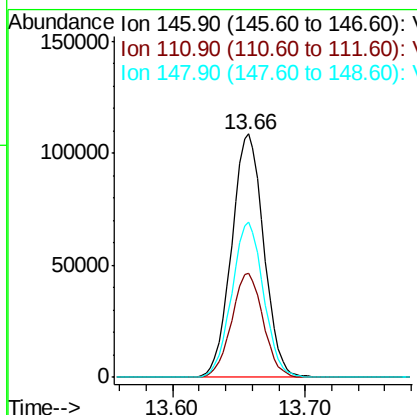
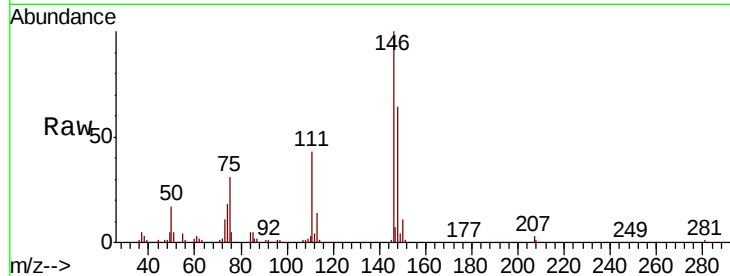
#91
 1,2-Dichlorobenzene
 Concen: 23.781 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	63.3	31.6	94.7

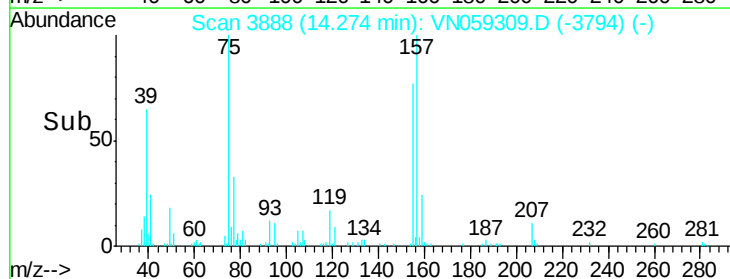
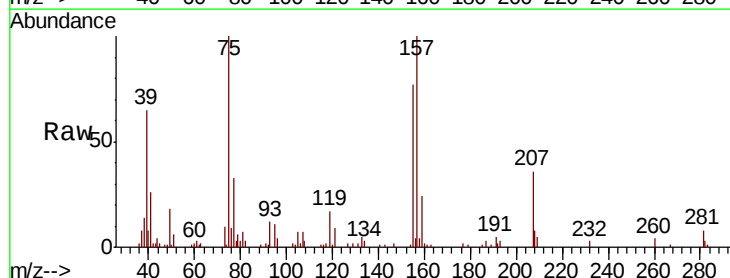
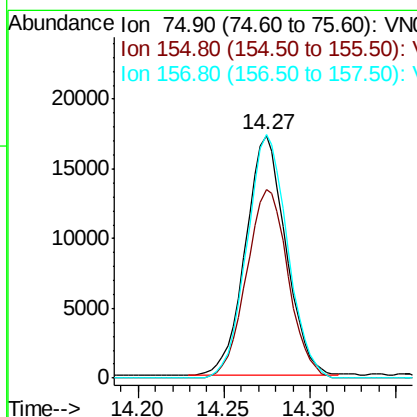
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.681 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	40.2	120.6
157	102.8	51.8	155.5





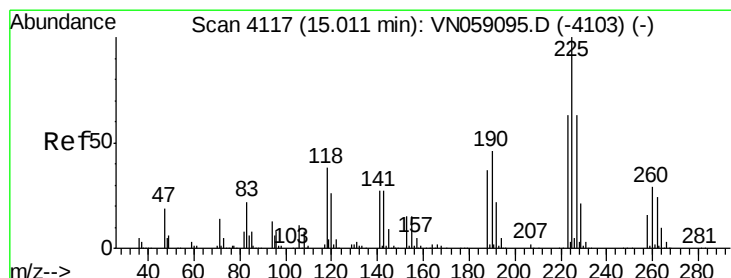
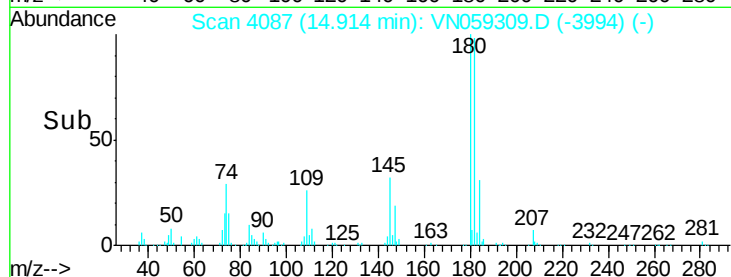
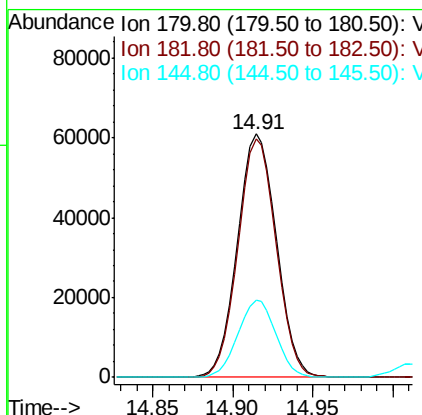
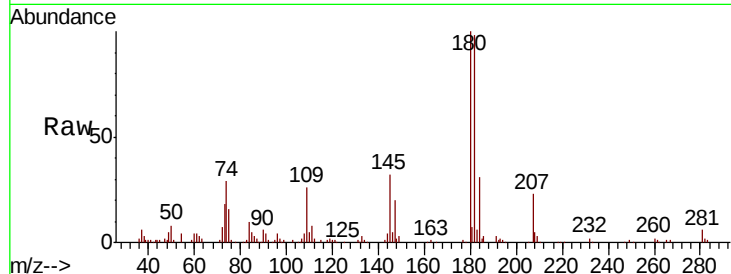
#93
 1,2,4-Trichlorobenzene
 Concen: 23.490 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101283		
182	95.5	48.1	144.3	
145	30.9	15.1	45.3	

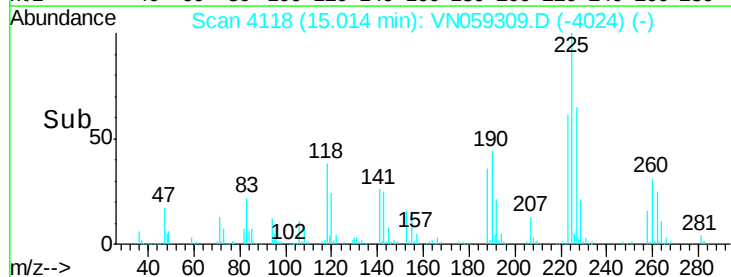
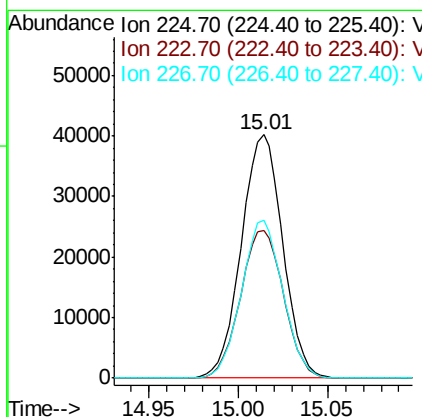
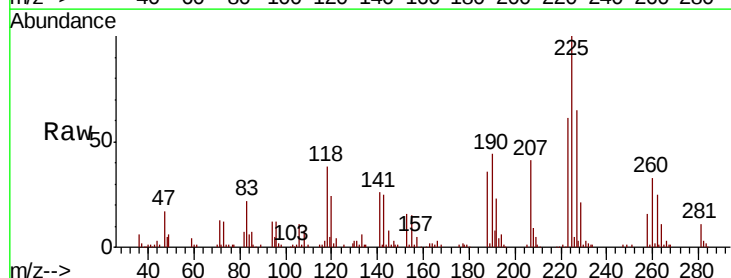
Manual Integrations
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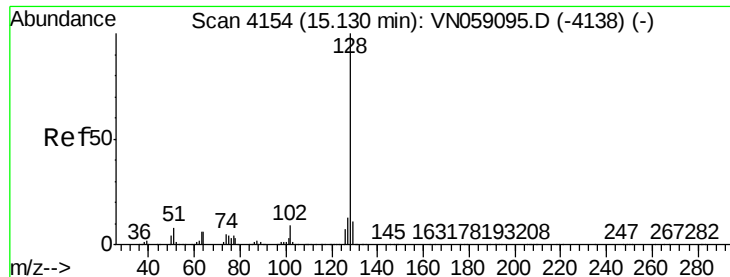
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#94
 Hexachlorobutadiene
 Concen: 24.770 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059309.D
 Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65491		
223	62.9	31.3	93.9	
227	64.5	31.5	94.5	





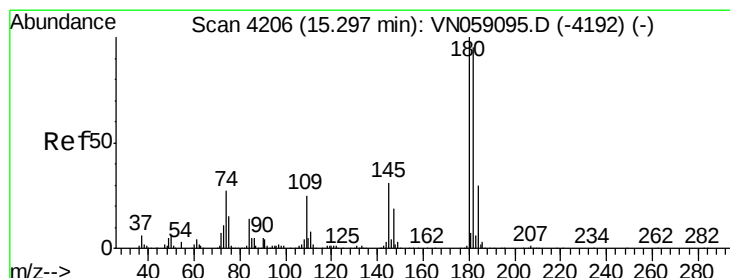
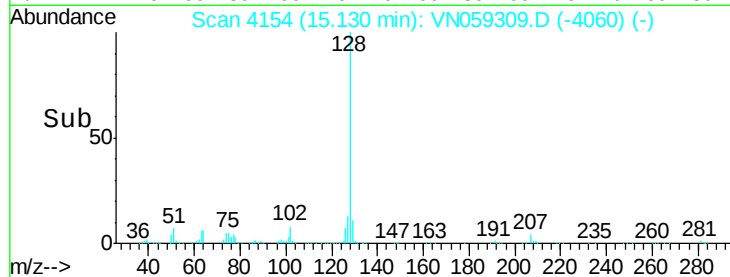
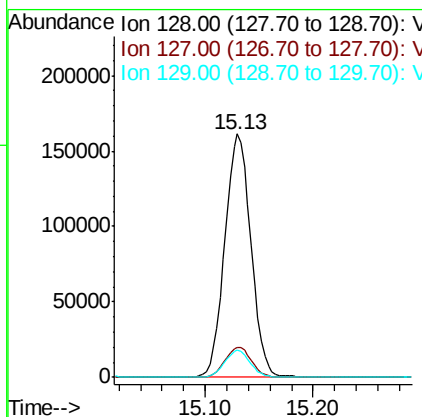
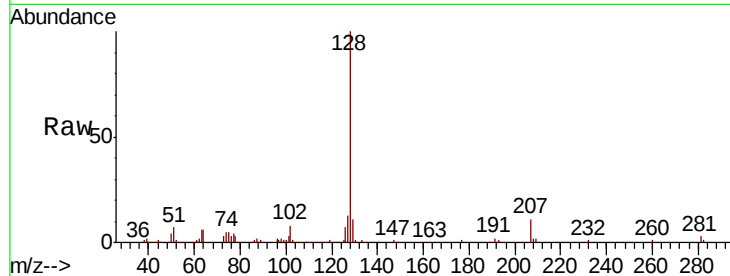
#95
Naphthalene
Concen: 22.858 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 23.820 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059309.D
Acq: 19 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	32.1	15.8	47.3

