

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061069.D
 Acq On : 17 Apr 2020 22:57
 Operator : JC/MD
 Sample : VN0417WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:21 AM

Quant Time: Apr 20 06:14:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	156156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	265457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	242682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100967	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.56	113	76187	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
50) Toluene-d8	10.08	98	276003	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	12.39	95	108220	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	38023	18.653	ug/l	99
3) Chloromethane	2.04	50	52043	18.791	ug/l	99
4) Vinyl Chloride	2.17	62	43461	18.883	ug/l	100
5) Bromomethane	2.55	94	20778	18.002	ug/l	100
6) Chloroethane	2.69	64	26129	19.680	ug/l	98
7) Trichlorofluoromethane	3.00	101	55936	19.521	ug/l	98
8) Diethyl Ether	3.38	74	21981	19.301	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30720	18.274	ug/l	99
10) Methyl Iodide	3.93	142	30080	20.282	ug/l	98
11) Tert butyl alcohol	4.72	59	34994	98.718	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	32268	18.883	ug/l	98
13) Acrolein	3.58	56	22714	75.889	ug/l	99
14) Allyl chloride	4.29	41	58798	18.185	ug/l	98
15) Acrylonitrile	4.94	53	98067	102.032	ug/l	99
16) Acetone	3.78	43	81545	92.730	ug/l	100
17) Carbon Disulfide	4.03	76	99070	18.527	ug/l	98
18) Methyl Acetate	4.29	43	57877	20.989	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	112908	18.949	ug/l	98
20) Methylene Chloride	4.52	84	36379	18.947	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	35063	19.184	ug/l	95
22) Diisopropyl ether	5.91	45	128604	19.151	ug/l	99
23) Vinyl Acetate	5.86	43	495381	94.075	ug/l	100
24) 1,1-Dichloroethane	5.82	63	69235	19.090	ug/l	99
25) 2-Butanone	6.80	43	132071	98.009	ug/l	100
26) 2,2-Dichloropropane	6.79	77	48693	16.125	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	39955	19.041	ug/l	98
28) Bromochloromethane	7.17	49	34324	20.617	ug/l	100
29) Tetrahydrofuran	7.18	42	90749	99.198	ug/l	100
30) Chloroform	7.35	83	64417	19.042	ug/l	97
31) Cyclohexane	7.63	56	66851	17.963	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	54846	18.744	ug/l	98
36) 1,1-Dichloropropene	7.77	75	50404	18.400	ug/l	99
37) Ethyl Acetate	6.89	43	57279	19.257	ug/l	98
38) Carbon Tetrachloride	7.75	117	43164	18.931	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	57283	17.491	ug/l	97
40) Benzene	8.02	78	152188	18.727	ug/l	100
41) Methacrylonitrile	7.15	41	24564m	19.800	ug/l	
42) 1,2-Dichloroethane	8.10	62	52451	18.947	ug/l	100
43) Isopropyl Acetate	8.14	43	93044	19.234	ug/l	100
44) Trichloroethene	8.82	130	37568	18.398	ug/l	99
45) 1,2-Dichloropropane	9.10	63	41222	18.780	ug/l	98
46) Dibromomethane	9.19	93	24634	19.465	ug/l	100
47) Bromodichloromethane	9.38	83	50470	18.878	ug/l	100
48) Methyl methacrylate	9.18	41	40416	18.905	ug/l	99
49) 1,4-Dioxane	9.18	88	11258	387.792	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	276302	99.080	ug/l	100
52) Toluene	10.14	92	89516	18.361	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	56555	18.211	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	61332	18.101	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	35086	19.017	ug/l	97
56) Ethyl methacrylate	10.42	69	54029	18.623	ug/l	97
57) 1,3-Dichloropropane	10.70	76	62174	18.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	125909	95.511	ug/l	100
59) 2-Hexanone	10.74	43	198374	98.638	ug/l	99
60) Dibromochloromethane	10.89	129	36526	19.273	ug/l	98
61) 1,2-Dibromoethane	10.99	107	35551	18.910	ug/l	97
64) Tetrachloroethene	10.62	164	34571	18.616	ug/l	99
65) Chlorobenzene	11.42	112	91448	18.254	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	33073	18.452	ug/l	99
67) Ethyl Benzene	11.50	91	171170	18.164	ug/l	98
68) m/p-Xylenes	11.61	106	124493	36.554	ug/l	100
69) o-Xylene	11.94	106	59993	18.321	ug/l	99
70) Styrene	11.96	104	96127	18.235	ug/l	100
71) Bromoform	12.12	173	25293	18.905	ug/l #	100
73) Isopropylbenzene	12.24	105	160921	18.110	ug/l	99
74) N-amyl acetate	12.06	43	75702	18.321	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51897	19.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45920m	18.823	ug/l	
77) Bromobenzene	12.52	156	38081	18.356	ug/l	99
78) n-propylbenzene	12.58	91	187412	18.028	ug/l	100
79) 2-Chlorotoluene	12.67	91	111794	18.335	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	135654	18.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	16632	16.816	ug/l	100
82) 4-Chlorotoluene	12.77	91	115680	18.293	ug/l	100
83) tert-Butylbenzene	12.99	119	111812	18.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	134459	18.521	ug/l	100
85) sec-Butylbenzene	13.17	105	151817	18.140	ug/l	99
86) p-Isopropyltoluene	13.28	119	133055	17.854	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	66549	17.999	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	65386	17.579	ug/l	99
89) n-Butylbenzene	13.61	91	120354	17.367	ug/l	99
90) Hexachloroethane	13.87	117	20599	18.016	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	64131	18.174	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10208	19.446	ug/l	97

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QLast Update : Fri Apr 17 03:49:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	37257	17.838	ug/l	99
94) Hexachlorobutadiene	15.01	225	18157	16.899	ug/l	99
95) Naphthalene	15.13	128	111295	18.272	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	36592	18.180	ug/l	100

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

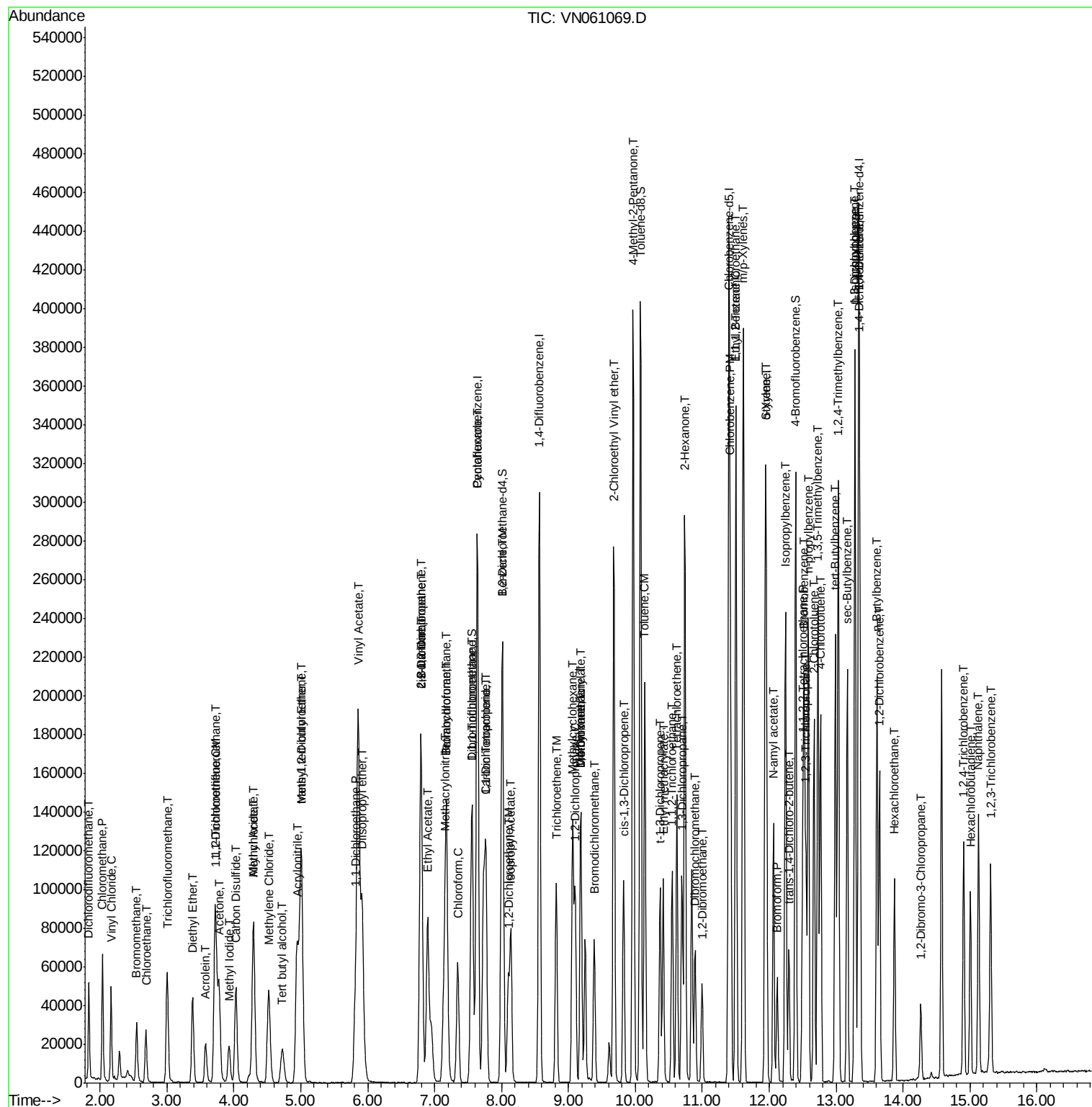
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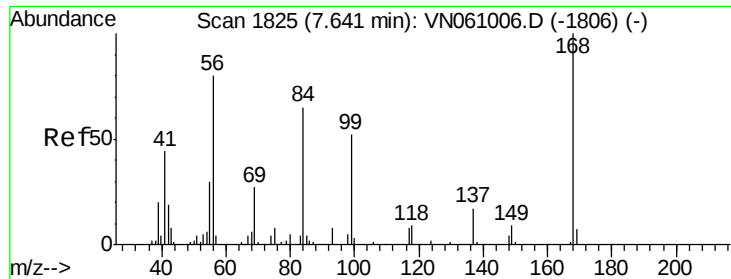
Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion:168 Resp: 156156

Ion Ratio Lower Upper

168 100

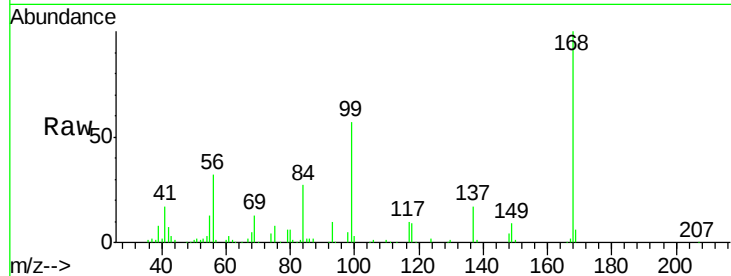
99 57.2 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

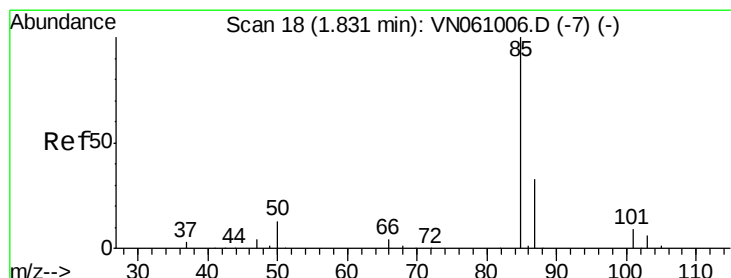
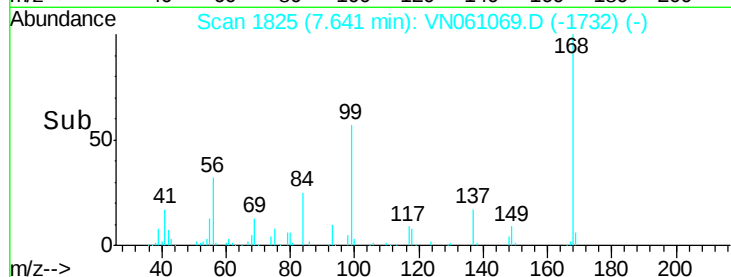
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.653 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061069.D

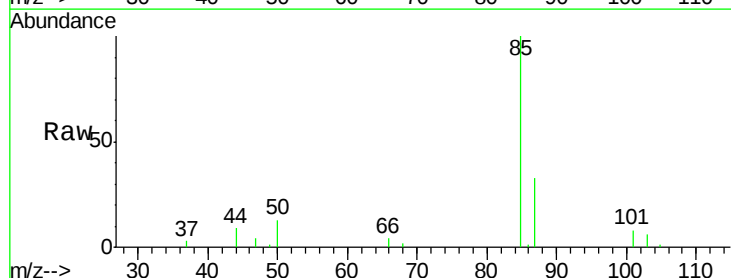
Acq: 17 Apr 2020 22:57

Tgt Ion: 85 Resp: 38023

Ion Ratio Lower Upper

85 100

87 33.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

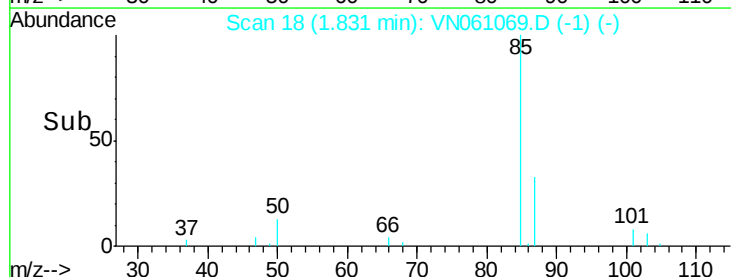
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5000

0

1.80 1.85 1.90

Time-->





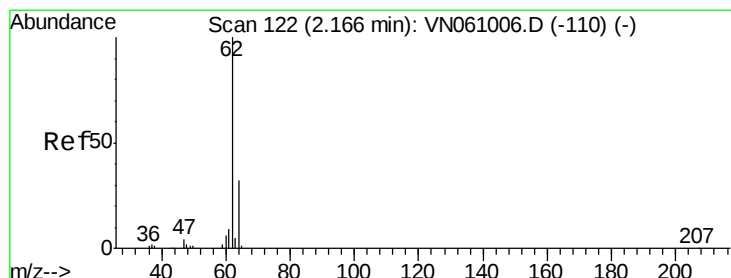
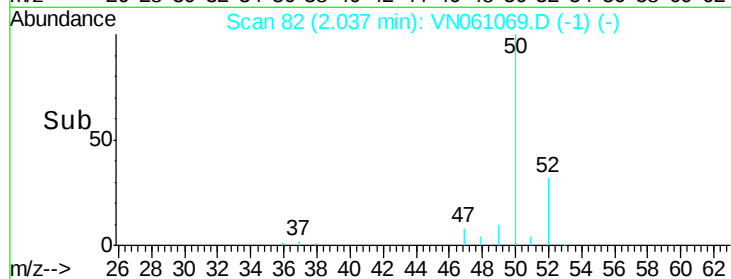
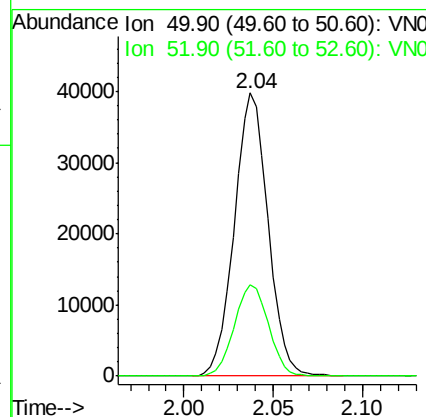
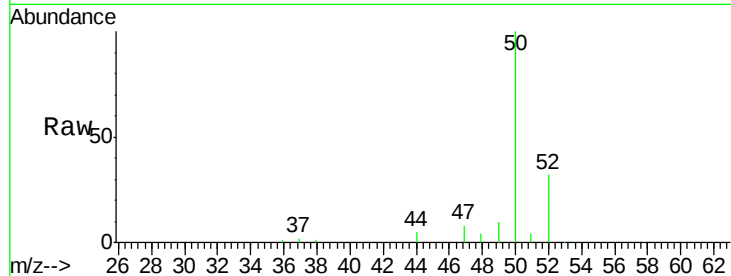
#3
Chloromethane
Concen: 18.791 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion: 50 Resp: 52043
Ion Ratio Lower Upper
50 100
52 32.4 25.6 38.4

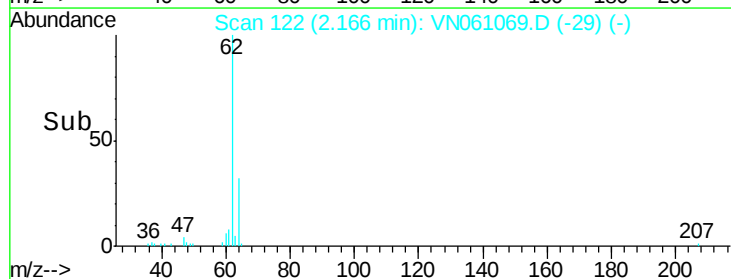
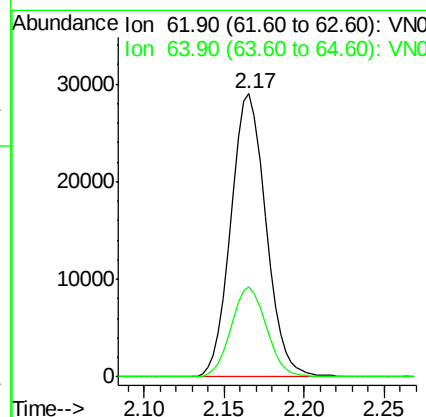
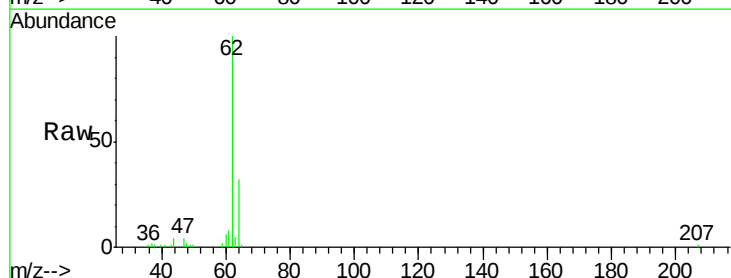
Manual Integrations
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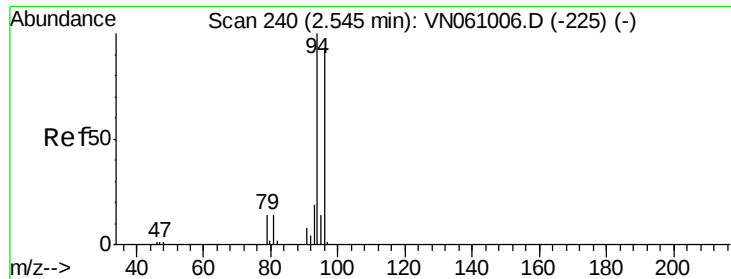
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#4
Vinyl Chloride
Concen: 18.883 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion: 62 Resp: 43461
Ion Ratio Lower Upper
62 100
64 31.7 25.4 38.0





#5

Bromomethane

Concen: 18.002 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 94 Resp: 20778

Ion Ratio Lower Upper

94 100

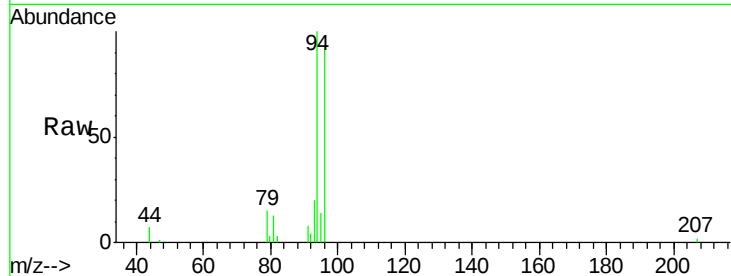
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Manual Integrations

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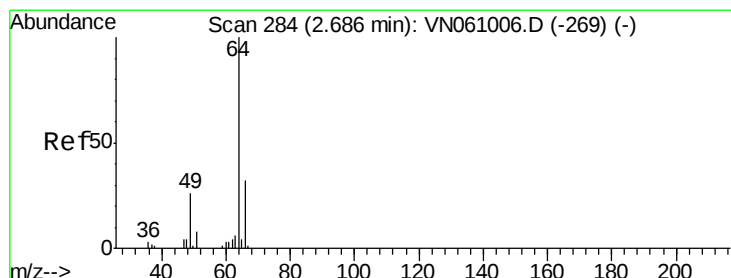
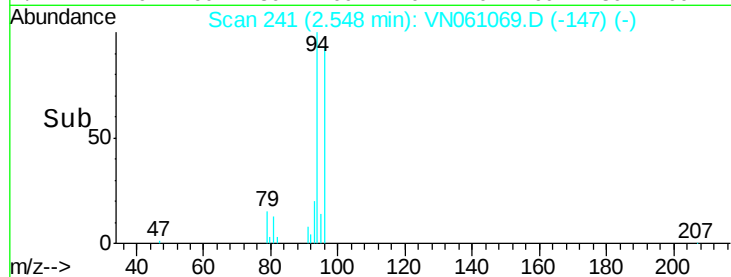
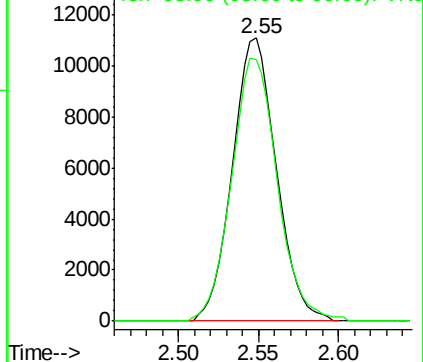
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.680 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN061069.D

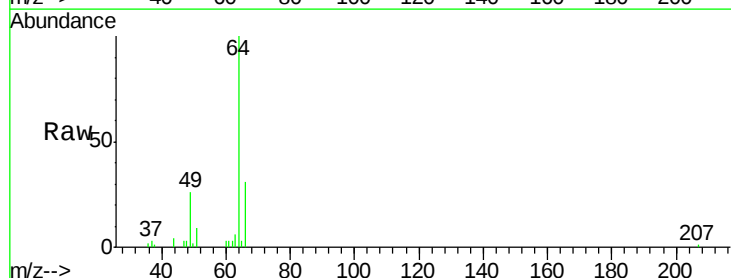
Acq: 17 Apr 2020 22:57

Tgt Ion: 64 Resp: 26129

Ion Ratio Lower Upper

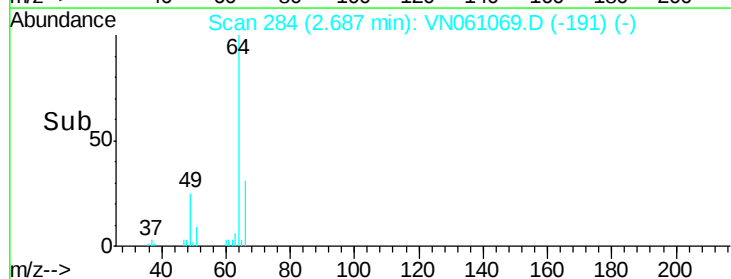
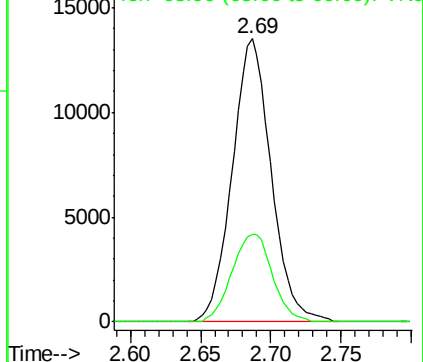
64 100

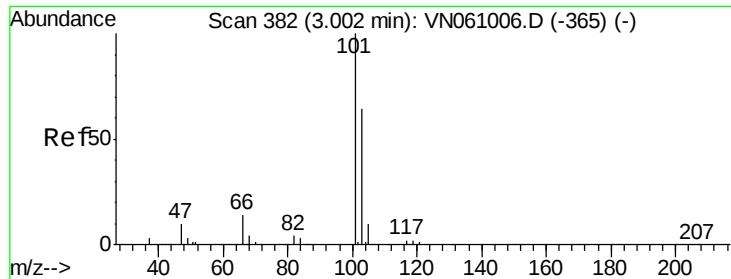
66 31.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

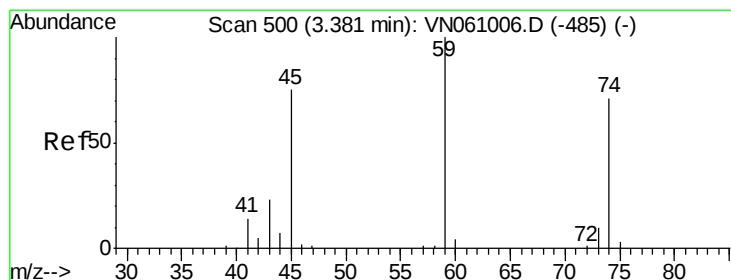
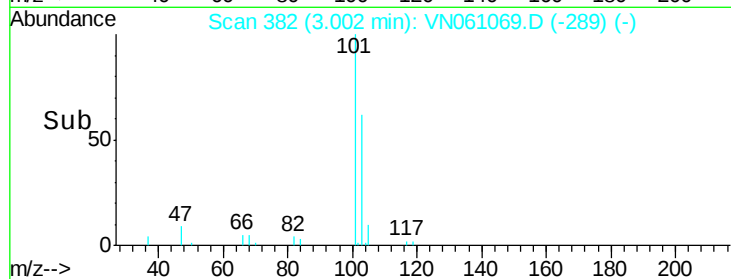
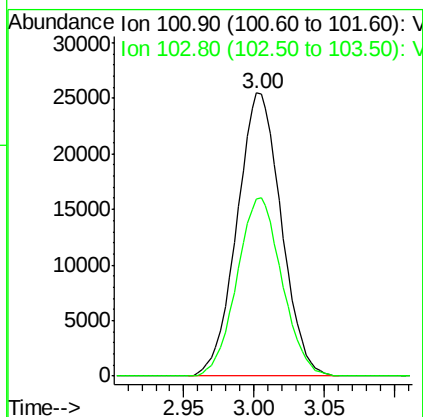
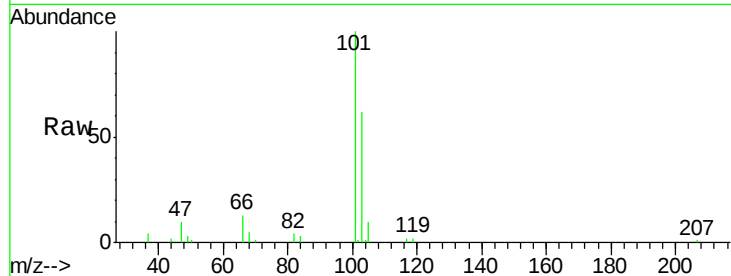
Trichlorofluoromethane
 Concen: 19.521 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	51.4	77.2

Manual Integrations
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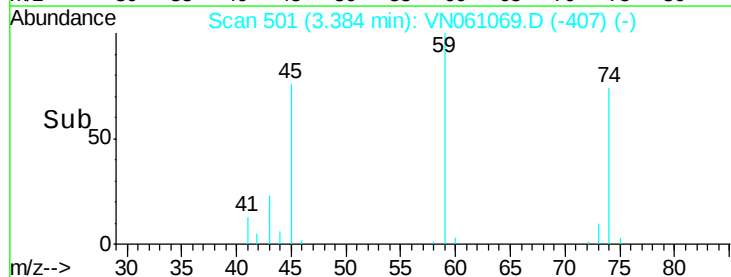
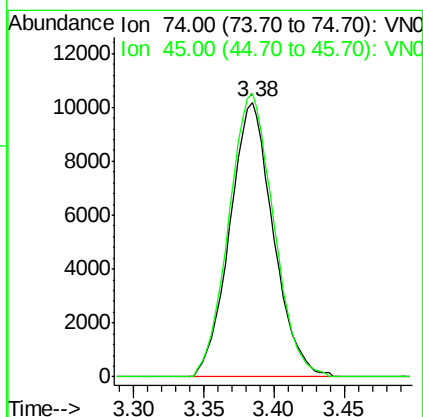
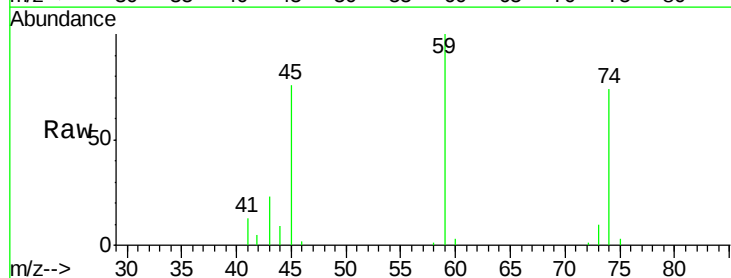
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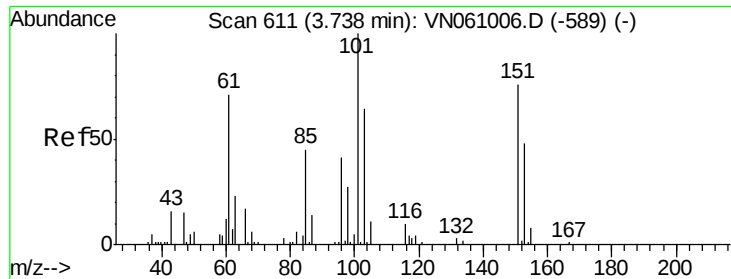


#8

Diethyl Ether
 Concen: 19.301 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.1	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.274 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

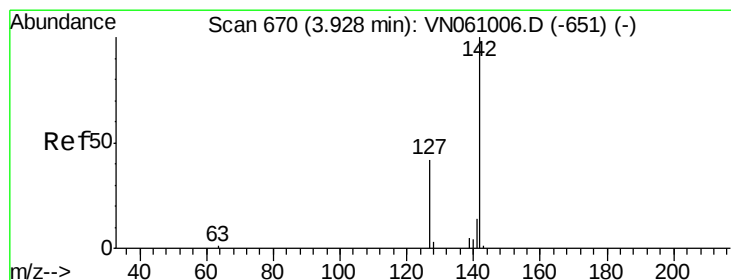
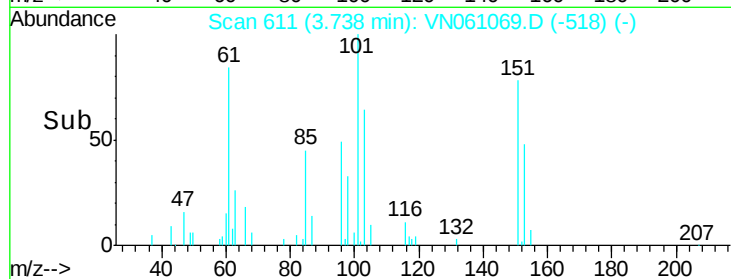
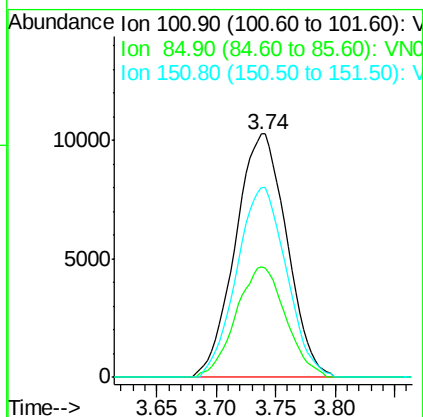
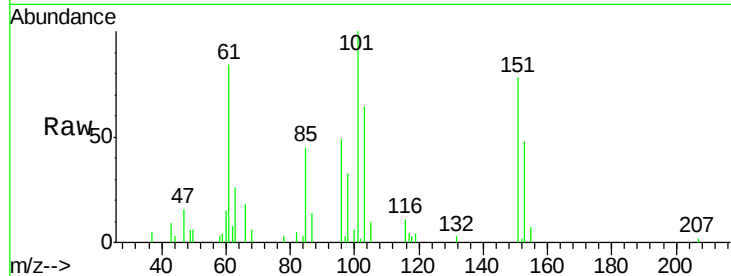
ClientSampled :

VN0417WBS02

Tot Ion:	101	Resp:	30720
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.9	53.9
151	75.5	60.8	91.2

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#10

Methyl Iodide

Concen: 20.282 ug/l

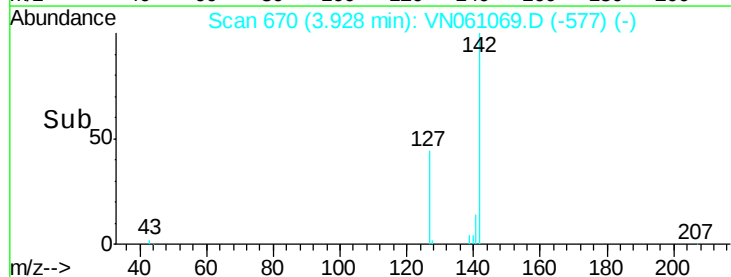
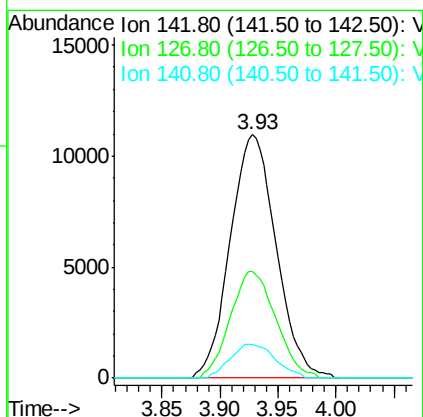
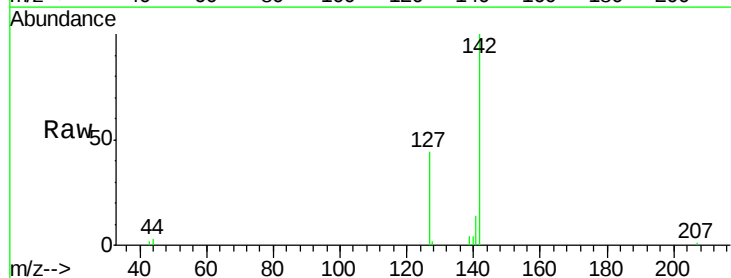
RT: 3.93 min Scan# 670

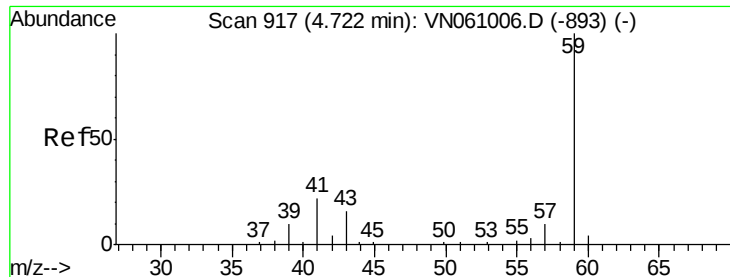
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion:	142	Resp:	30080
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.4	50.2
141	13.6	11.0	16.6





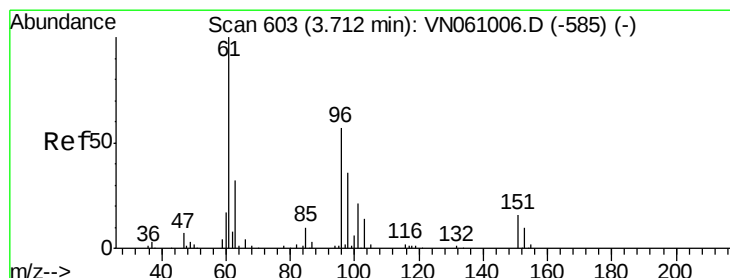
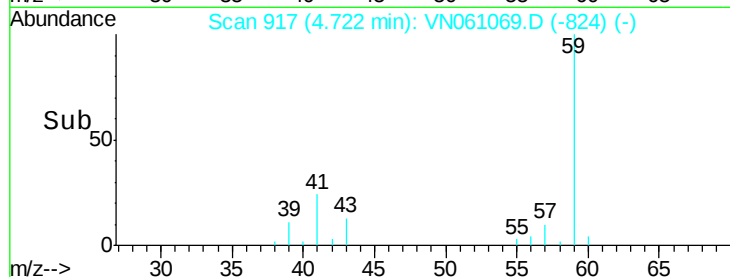
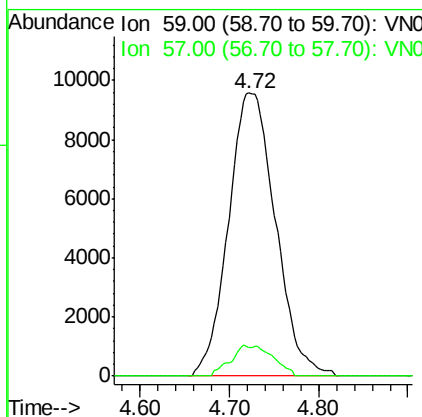
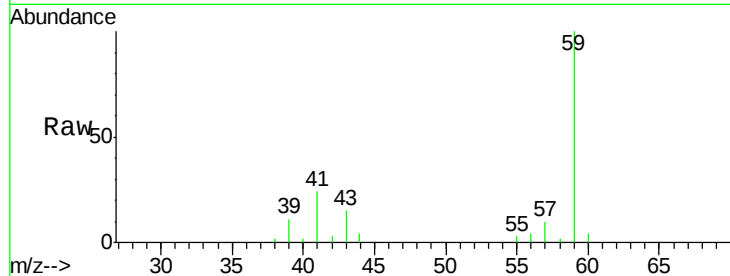
#11
Tert butyl alcohol
Concen: 98.718 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS02

Tot Ion: 59 Resp: 34994
Ion Ratio Lower Upper
59 100
57 4.4 8.1 12.1#

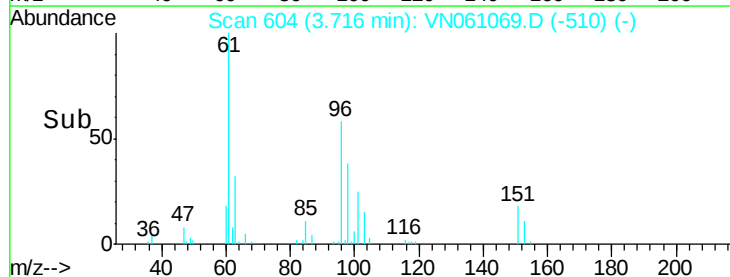
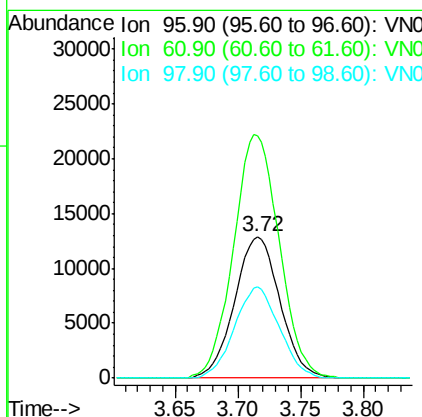
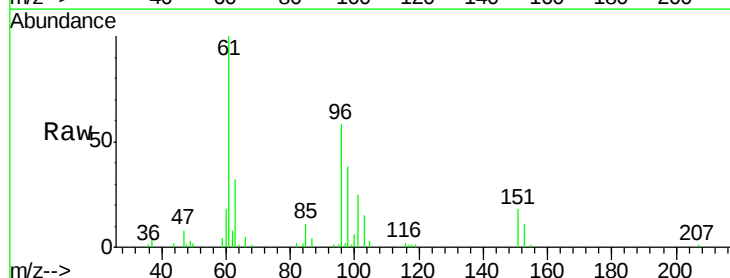
Manual Integrations
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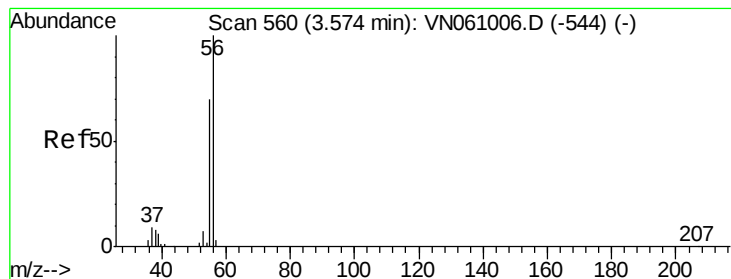
MMDadoda
4/20/2020 10:21:21 AM



#12
1,1-Dichloroethene
Concen: 18.883 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion: 96 Resp: 32268
Ion Ratio Lower Upper
96 100
61 171.5 139.2 208.8
98 64.5 50.0 75.0





#13

Acrolein

Concen: 75.889 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 56 Resp: 22714

Ion Ratio Lower Upper

56 100

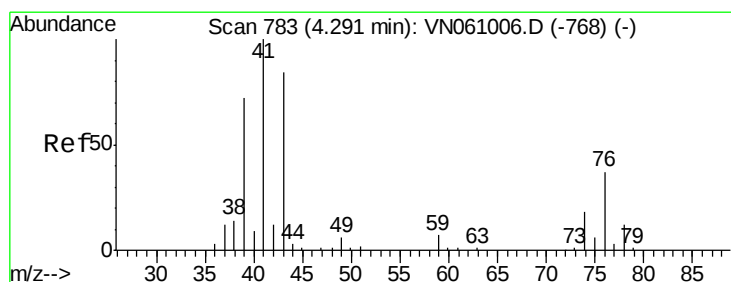
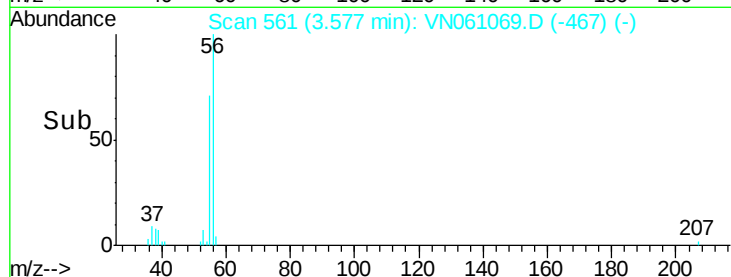
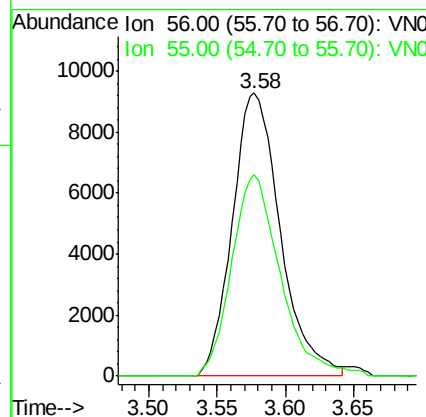
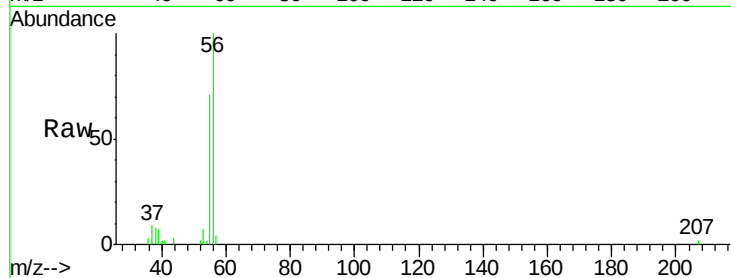
55 72.2 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.185 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

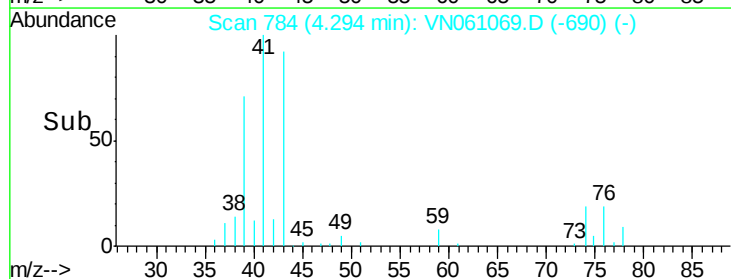
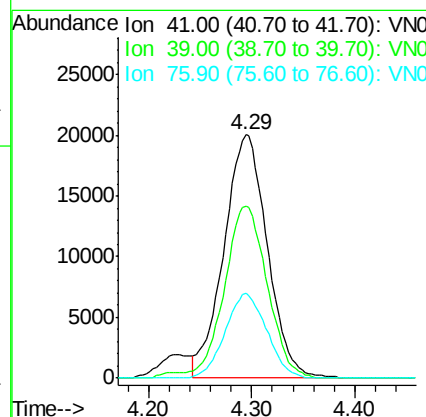
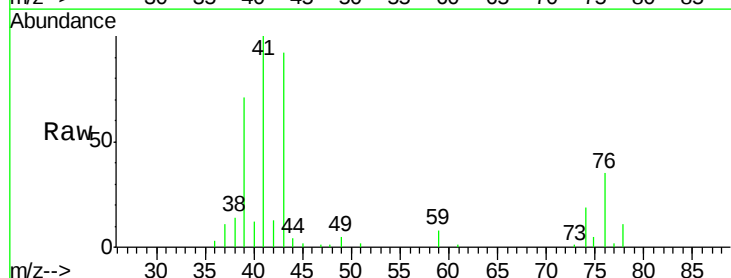
Tgt Ion: 41 Resp: 58798

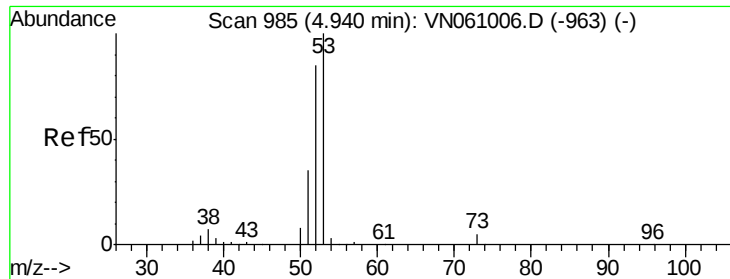
Ion Ratio Lower Upper

41 100

39 69.6 56.3 84.5

76 33.1 27.7 41.5





#15

Acrylonitrile

Concen: 102.032 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

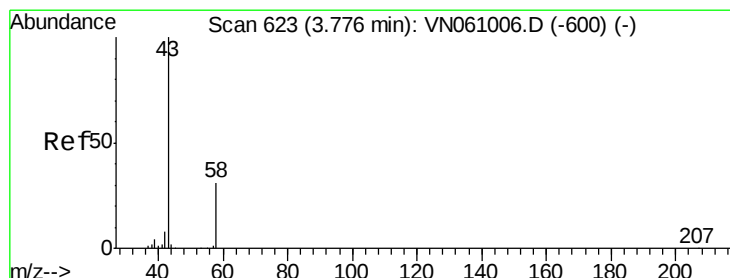
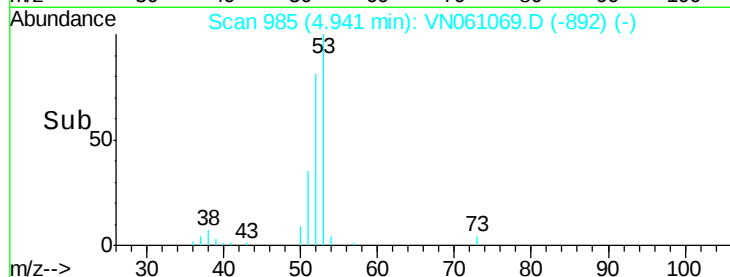
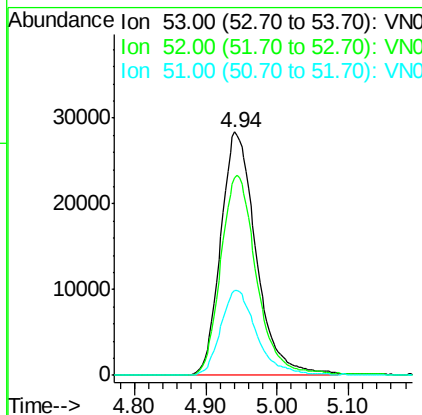
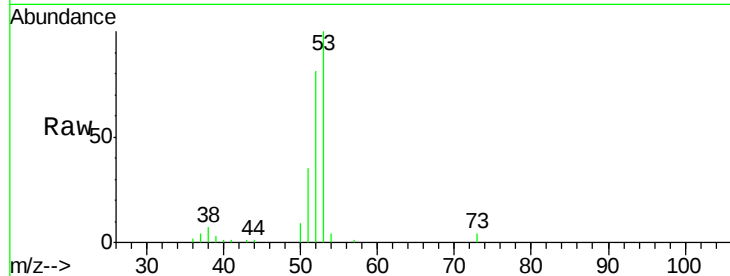
ClientSampleId :

VN0417WBS02

Tot Ion:	53	Resp:	98067
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.8	100.2
51	35.5	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 92.730 ug/l

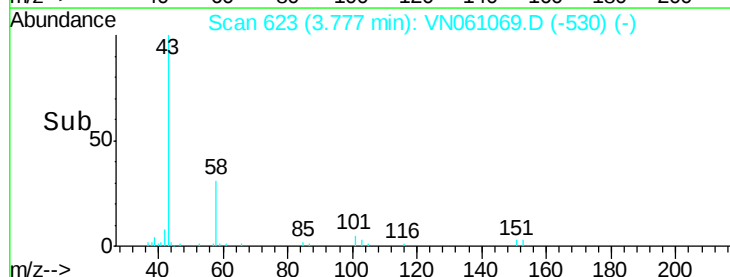
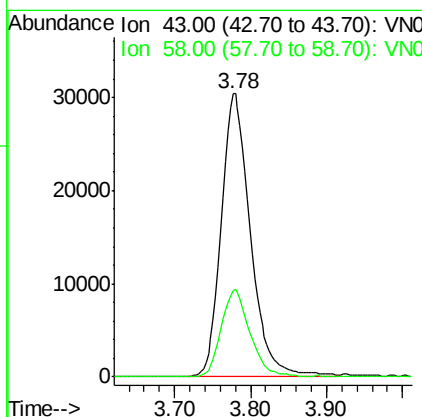
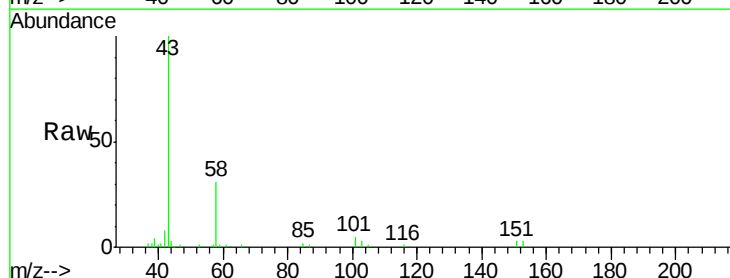
RT: 3.78 min Scan# 623

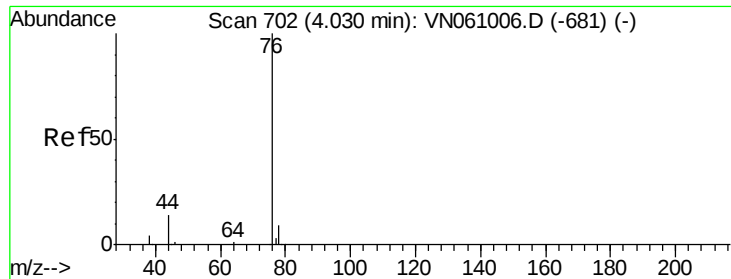
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion:	43	Resp:	81545
Ion Ratio	Lower	Upper	
43	100		
58	30.5	24.6	37.0





#17

Carbon Disulfide

Concen: 18.527 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 76 Resp: 99070

Ion Ratio Lower Upper

76 100

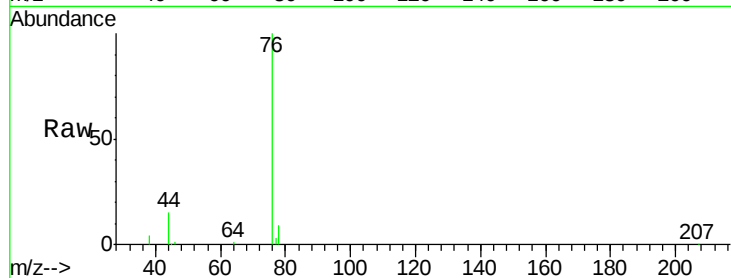
78 8.7 7.6 11.4

Manual Integrations

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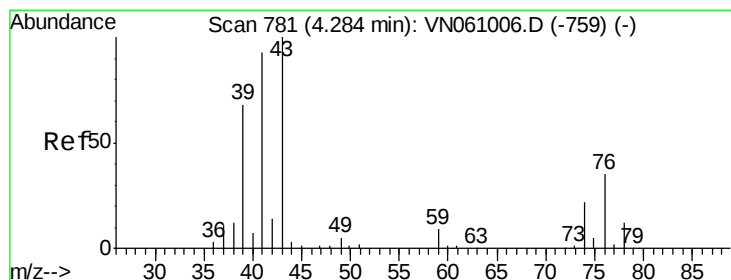
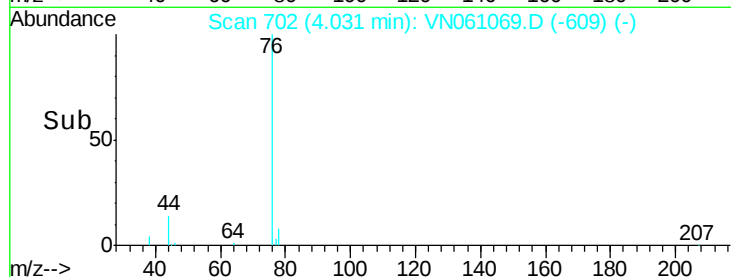


Abundance Ion 75.90 (75.60 to 76.60): VN061006.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN061006.D (-681) (-)

4.03

Time-->



#18

Methyl Acetate

Concen: 20.989 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN061069.D

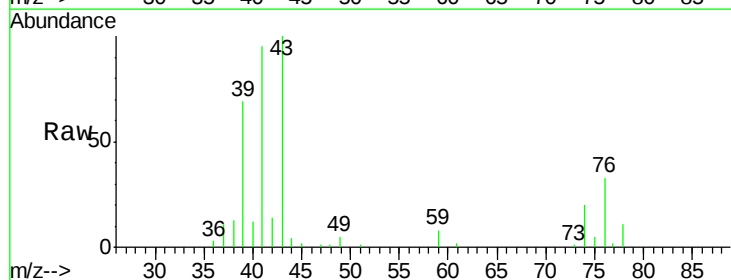
Acq: 17 Apr 2020 22:57

Tgt Ion: 43 Resp: 57877

Ion Ratio Lower Upper

43 100

74 20.8 17.4 26.0

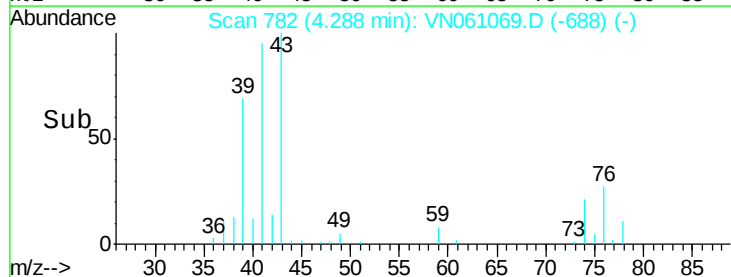


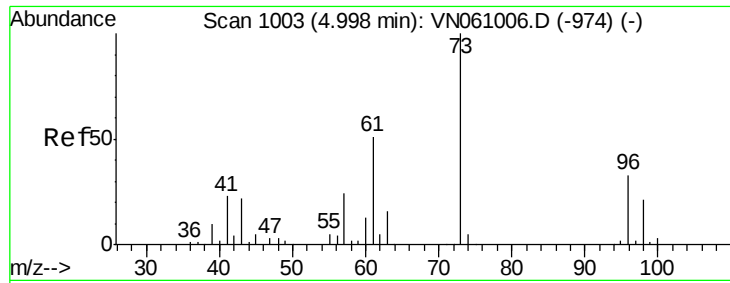
Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN061006.D (-759) (-)

4.29

Time-->





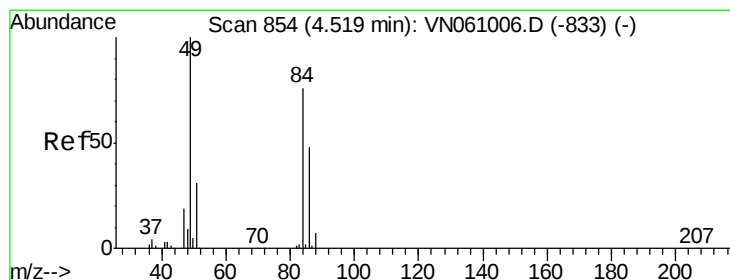
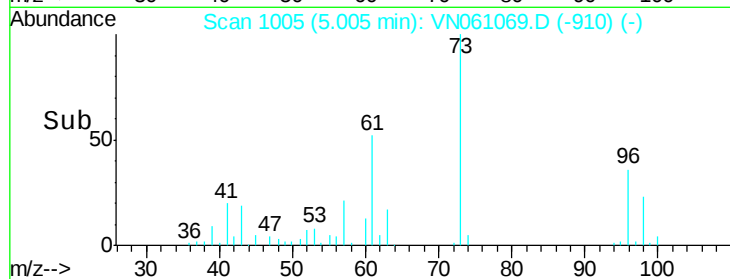
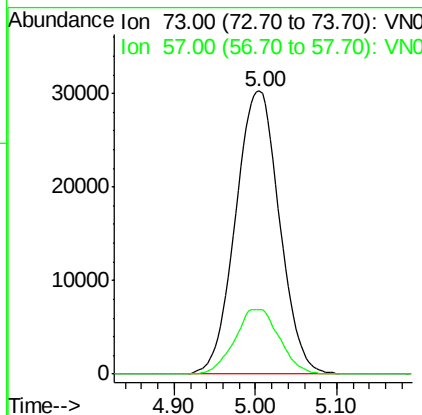
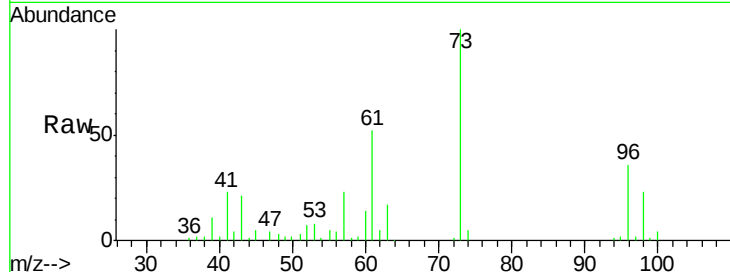
#19
Methvl tert-butvl Ether
Concen: 18.949 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion: 73 Resp: 112908
Ion Ratio Lower Upper
73 100
57 22.9 19.0 28.4

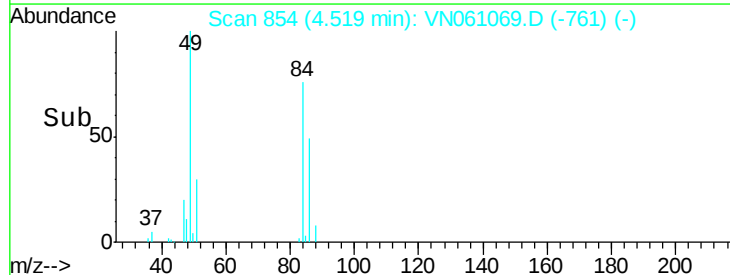
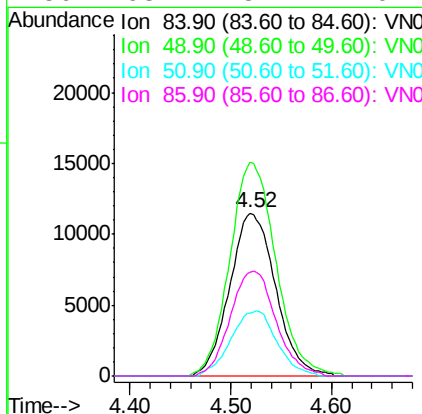
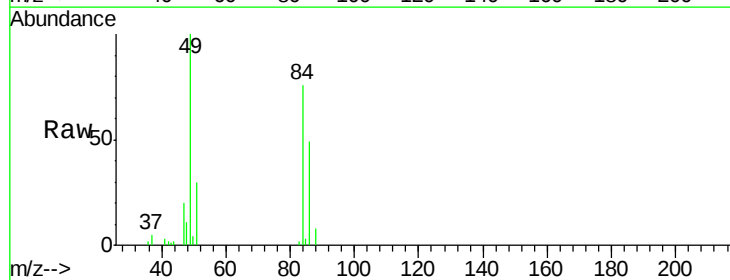
Manual Integrations
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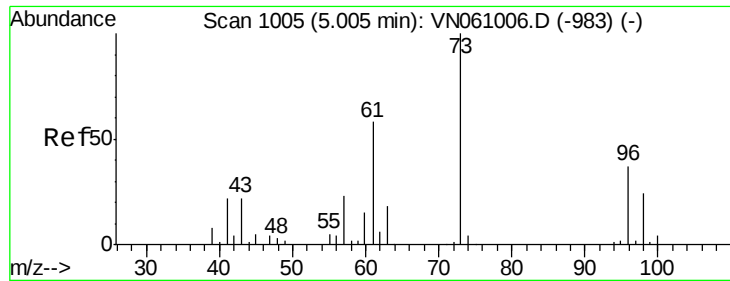
MMDadoda
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#20
Methylene Chloride
Concen: 18.947 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion: 84 Resp: 36379
Ion Ratio Lower Upper
84 100
49 131.1 105.8 158.6
51 38.9 32.4 48.6
86 63.7 51.1 76.7





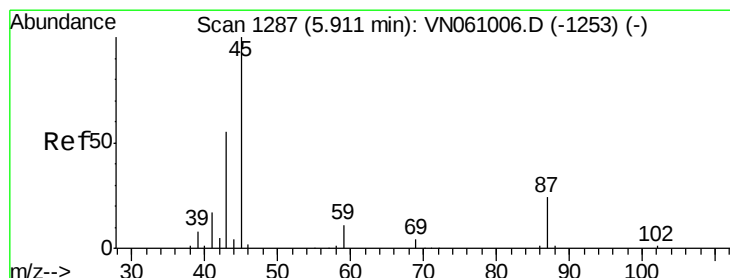
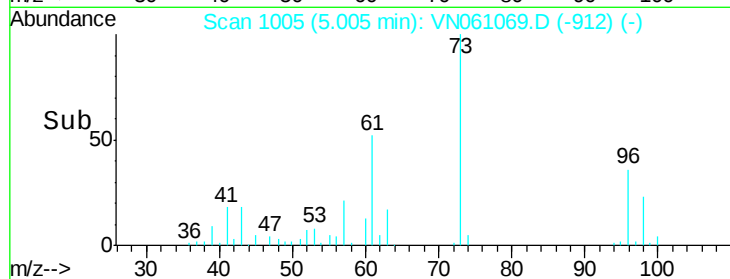
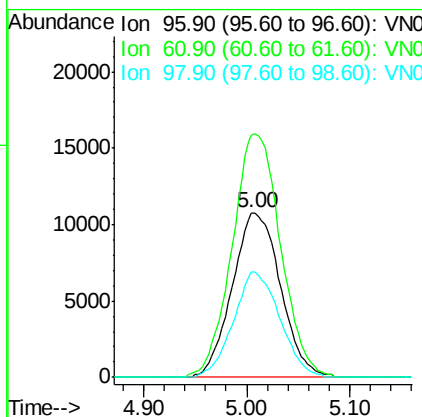
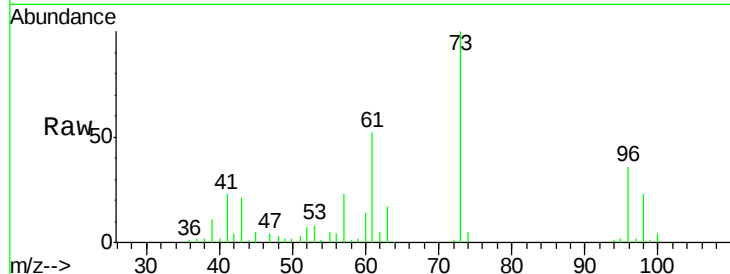
#21
trans-1,2-Dichloroethene
Concen: 19.184 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.3	124.8	187.2
98	63.9	51.3	76.9

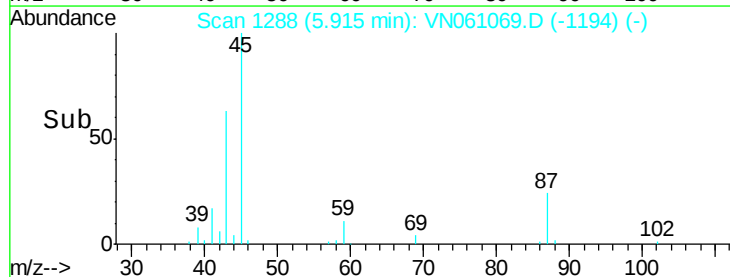
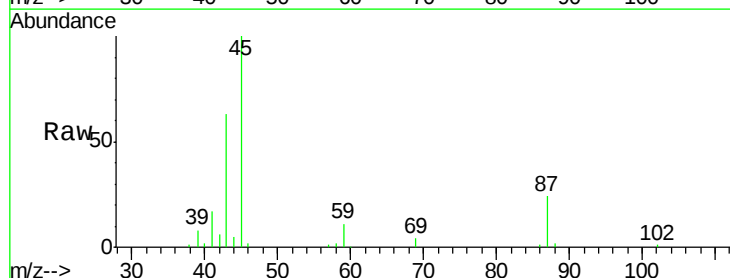
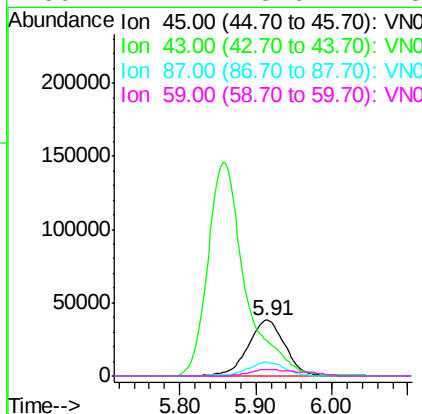
Manual Integrations
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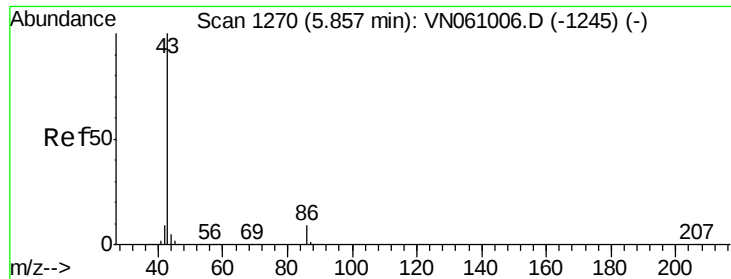
MMDadoda
4/20/2020 10:21:21 AM



#22
Diisopropyl ether
Concen: 19.151 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.6	72.8
87	24.4	19.4	29.2
59	11.2	8.6	12.8





#23

Vinyl Acetate

Concen: 94.075 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 43 Resp: 495381

Ion Ratio Lower Upper

43 100

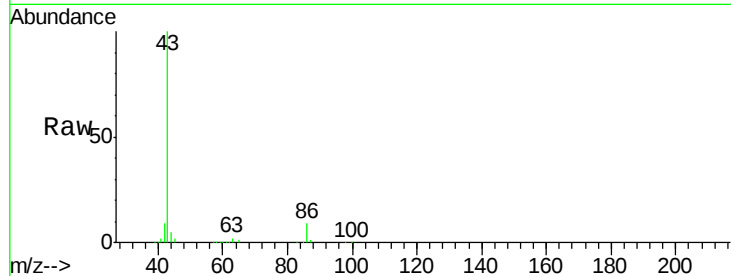
86 9.1 7.3 10.9

Manual Integrations

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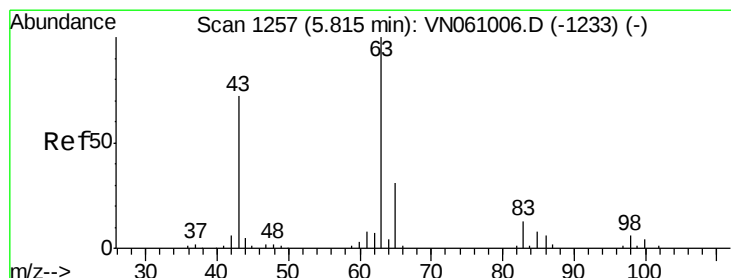
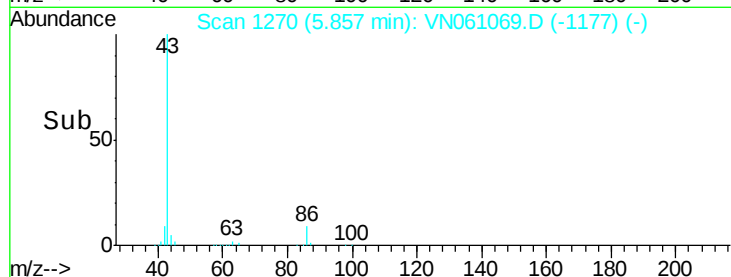
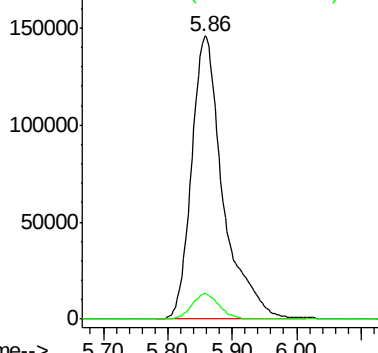
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.090 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

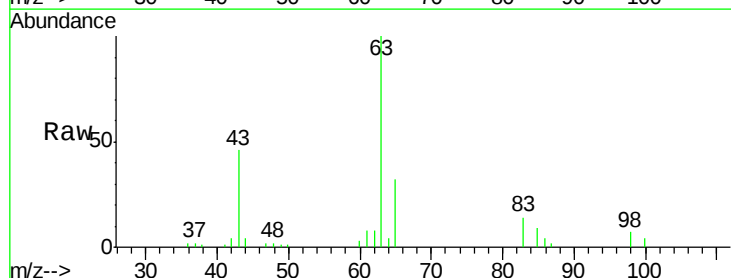
Tgt Ion: 63 Resp: 69235

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

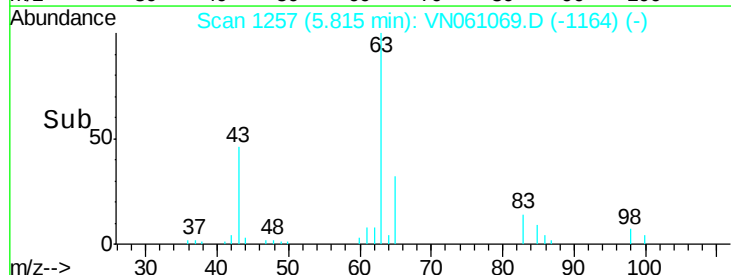
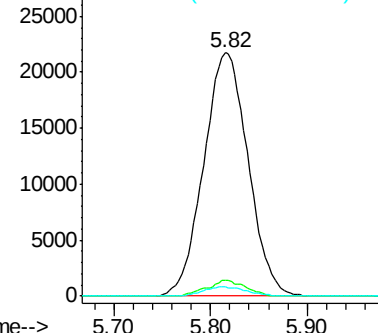
100 3.7 2.0 5.8

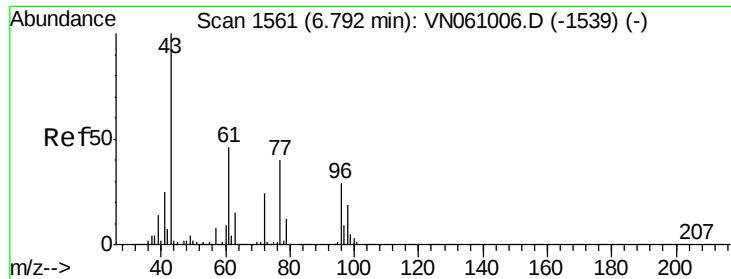


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 98.009 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 43 Resp: 132071

Ion Ratio Lower Upper

43 100

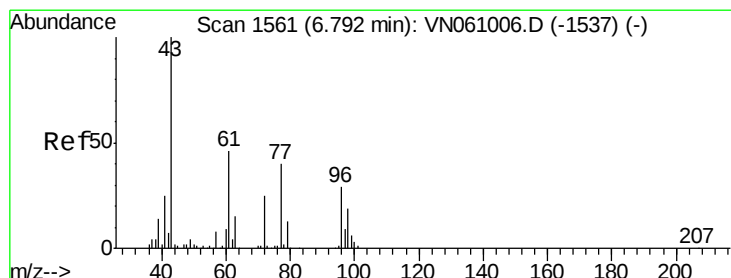
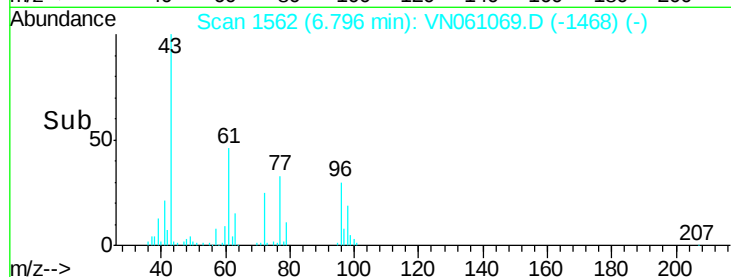
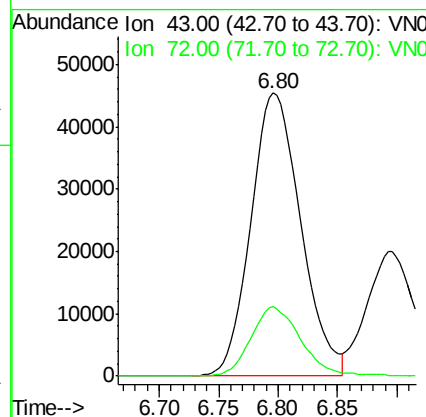
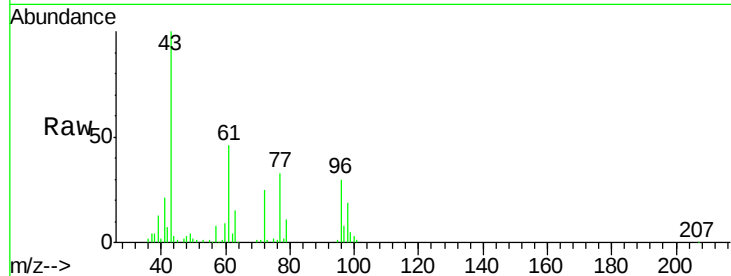
72 24.5 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.125 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VN061069.D

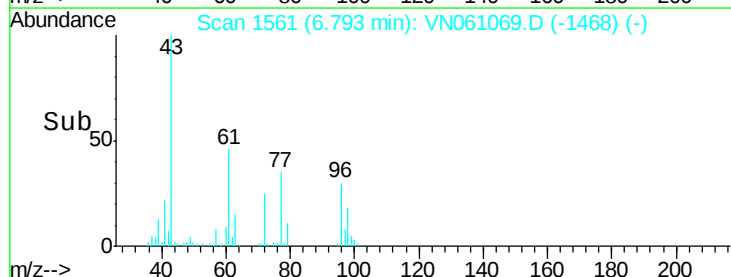
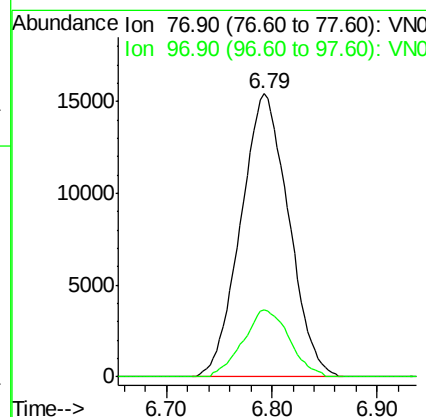
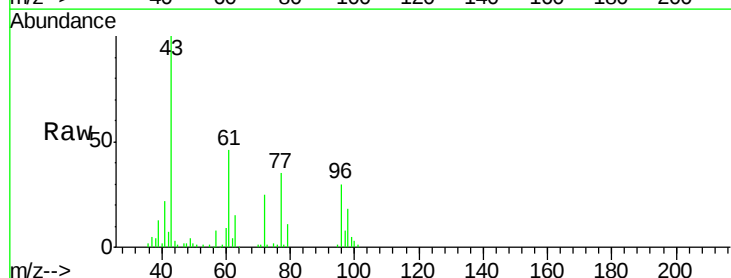
Acq: 17 Apr 2020 22:57

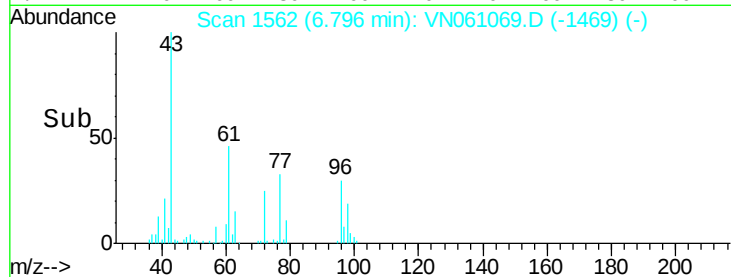
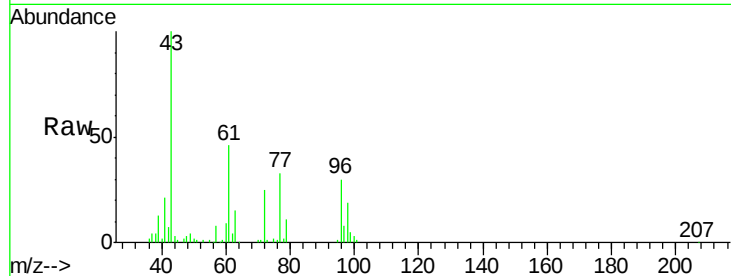
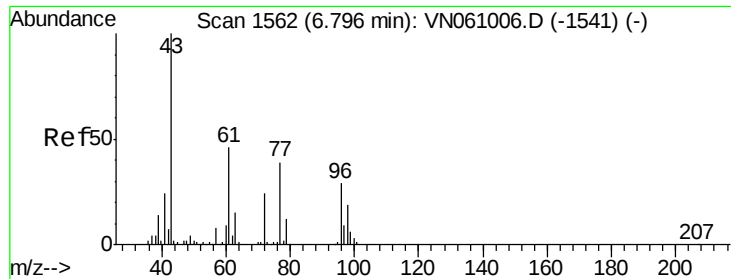
Tgt Ion: 77 Resp: 48693

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.041 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061069.D

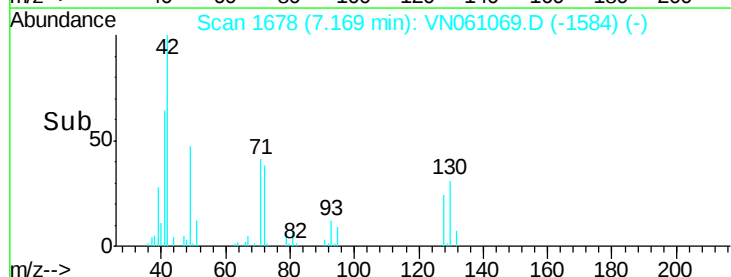
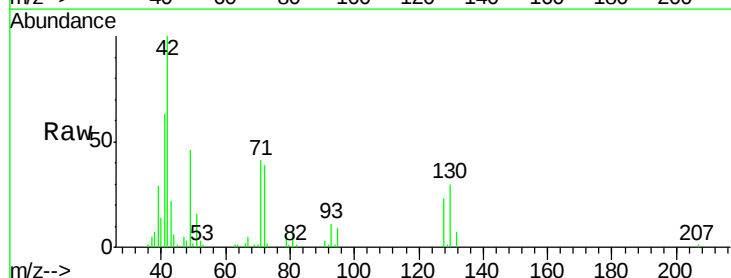
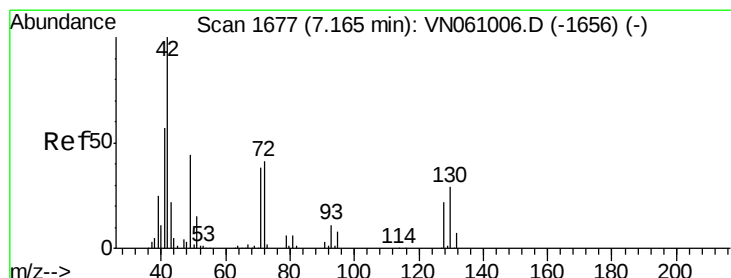
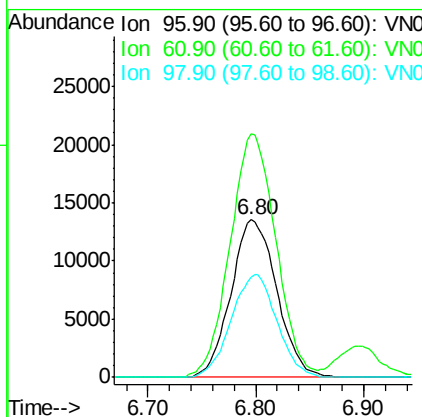
Acq: 17 Apr 2020 22:57

Tot Ion	Ratio	Resp	Lower	Upper
96	100	39955		
61	154.9		0.0	317.4
98	65.0		0.0	127.8

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS02

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#28

Bromochloromethane

Concen: 20.617 ug/l

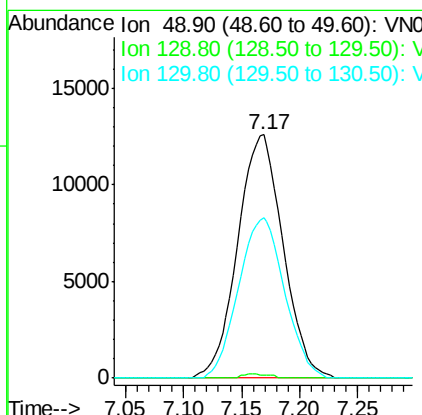
RT: 7.17 min Scan# 1678

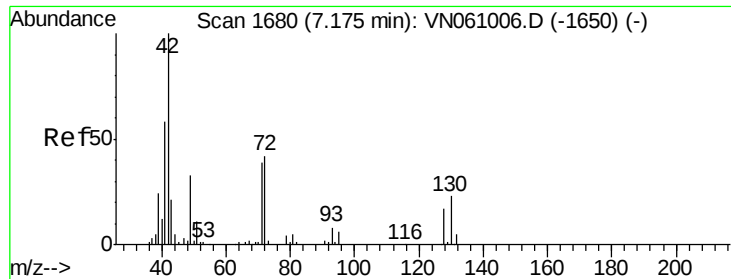
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34324		
129	0.6		0.0	3.0
130	66.4		52.9	79.3





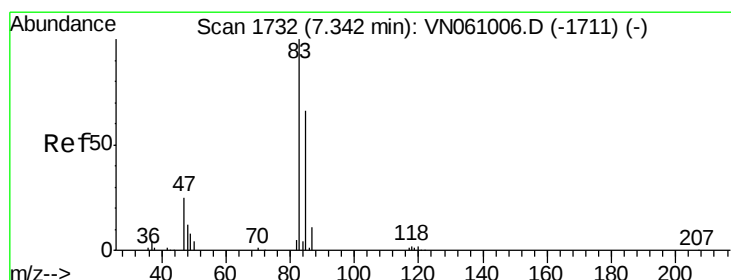
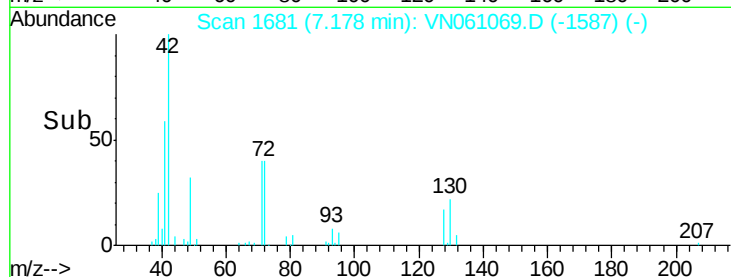
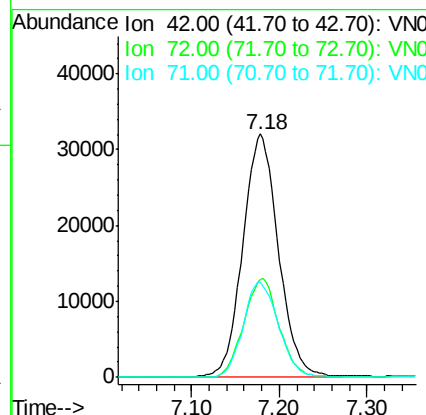
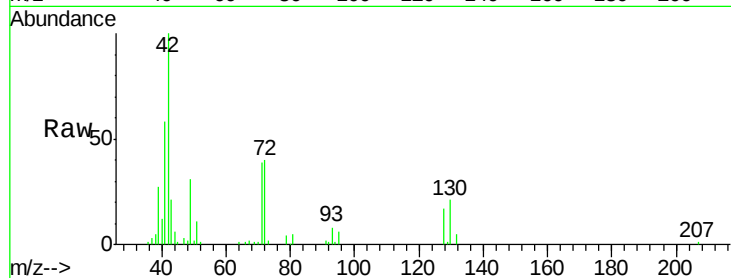
#29
Tetrahydrofuran
Concen: 99.198 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.1	48.1
71	38.6	30.5	45.7

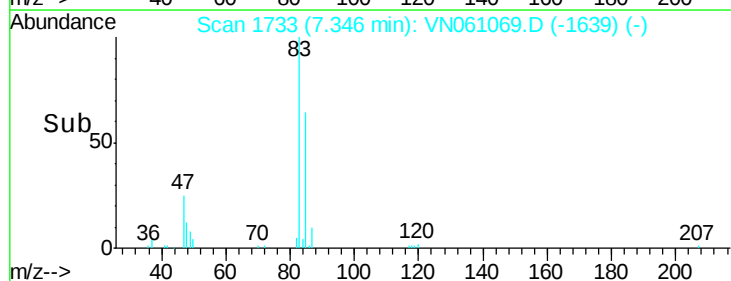
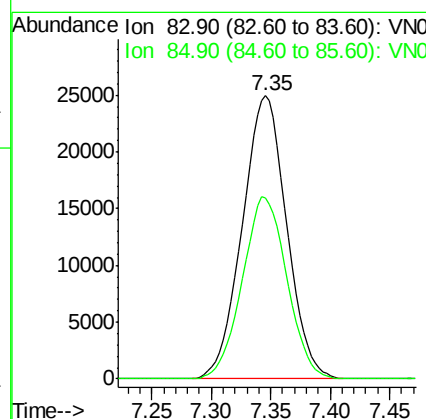
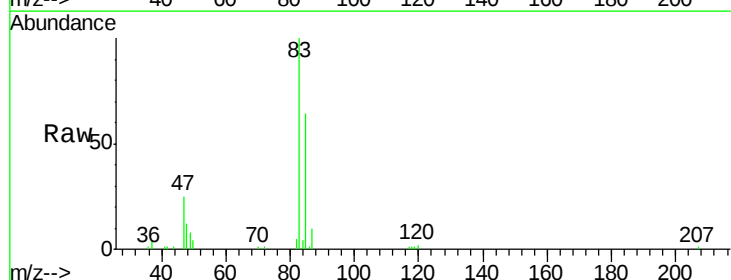
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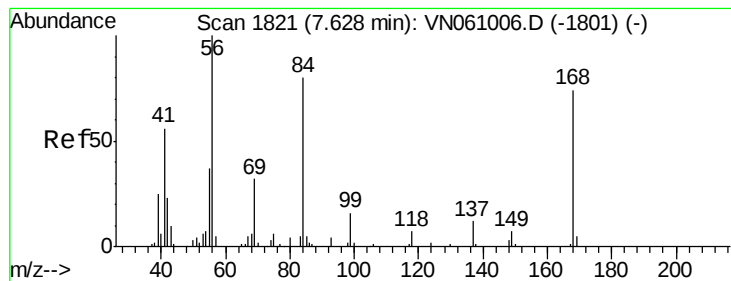
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#30
Chloroform
Concen: 19.042 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2





#31

Cyclohexane

Concen: 17.963 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

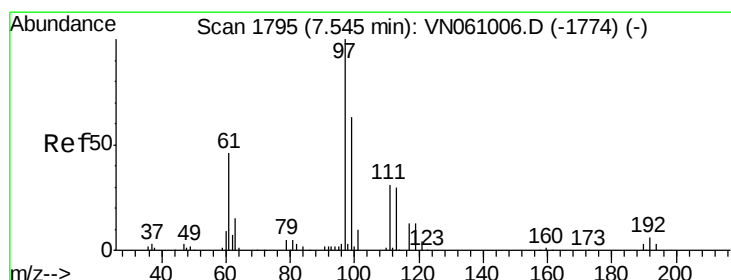
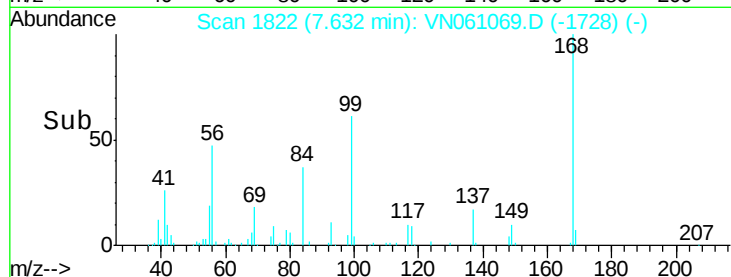
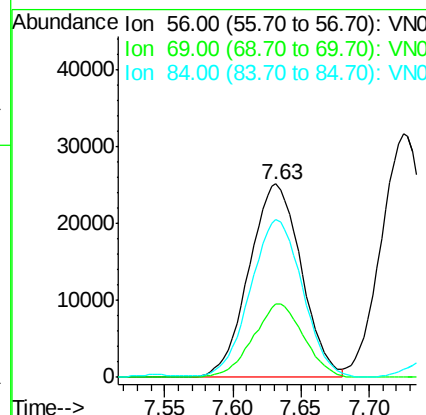
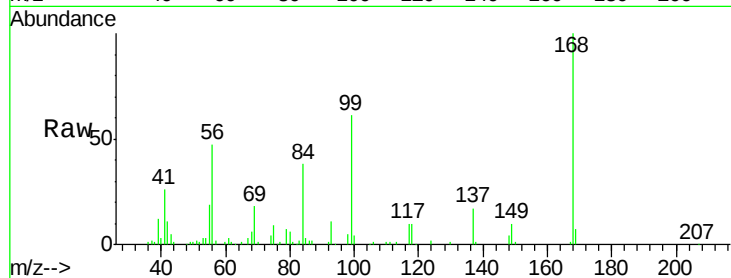
ClientSampleId :

VN0417WBS02

Tot Ion:	56	Resp:	66851
Ion Ratio	Lower	Upper	
56	100		
69	37.9	25.6	38.4
84	80.8	63.4	95.2

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#32

1,1,1-Trichloroethane

Concen: 18.744 ug/l

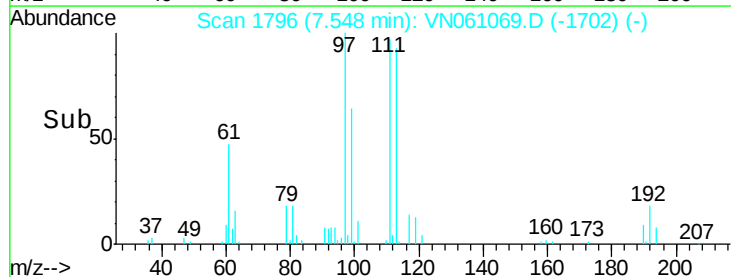
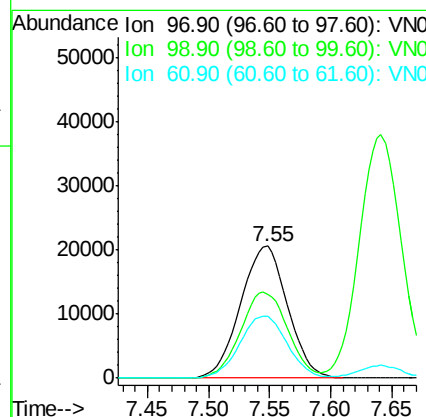
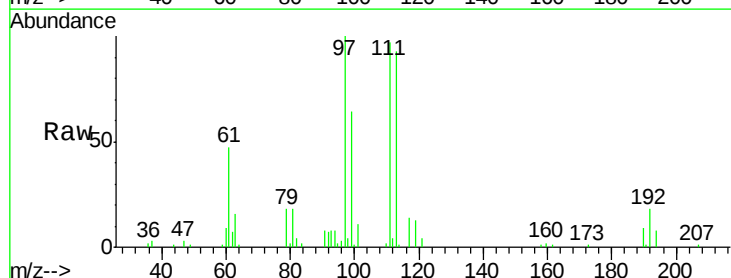
RT: 7.55 min Scan# 1796

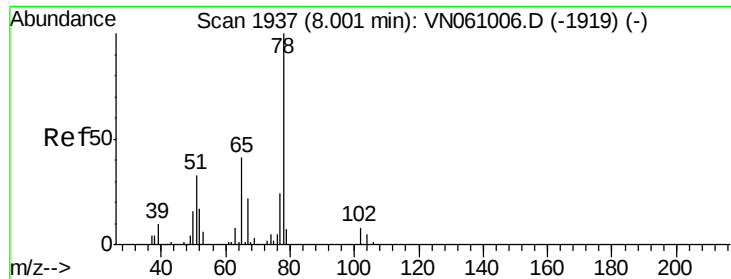
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion:	97	Resp:	54846
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.0	76.4
61	47.5	37.0	55.6





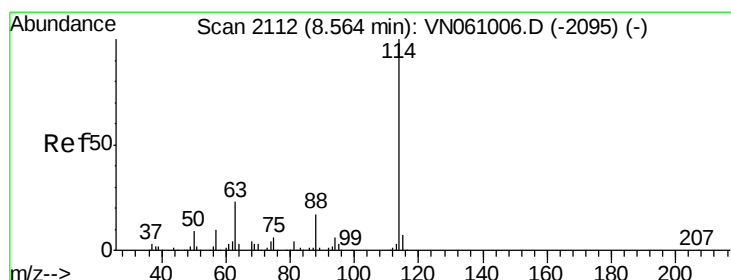
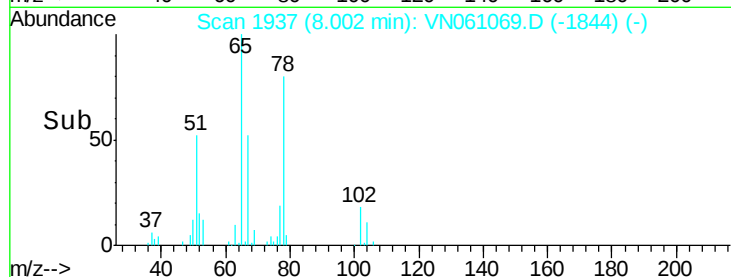
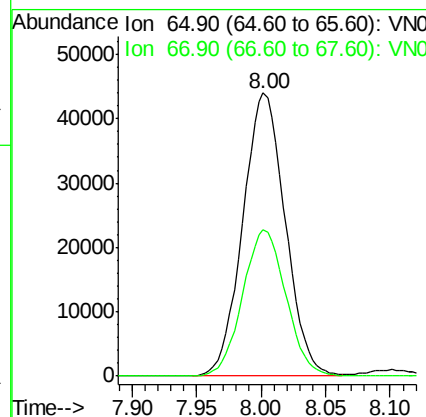
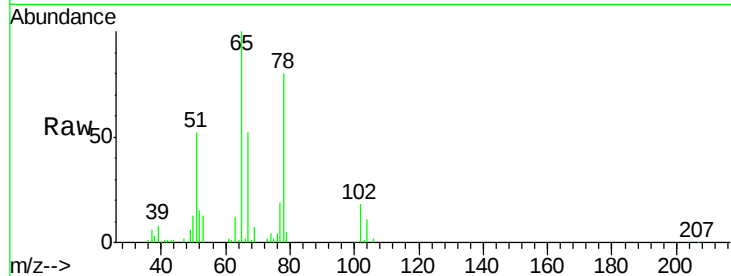
#33
 1,2-Dichloroethane-d4
 Concen: 50.536 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	107.0	

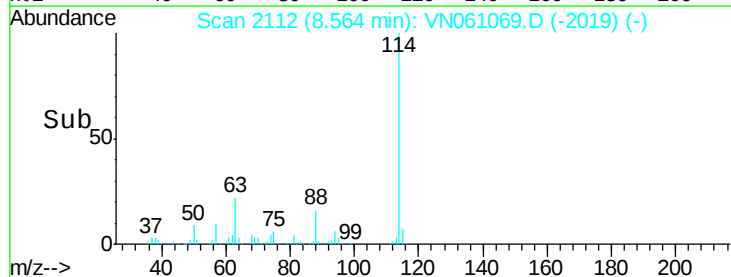
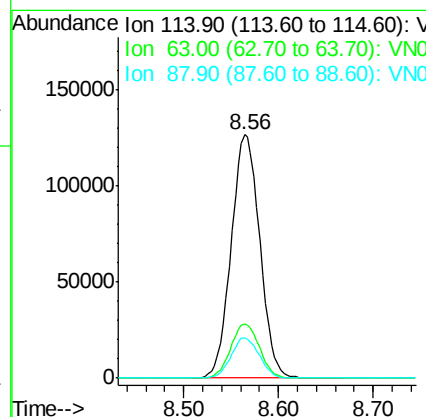
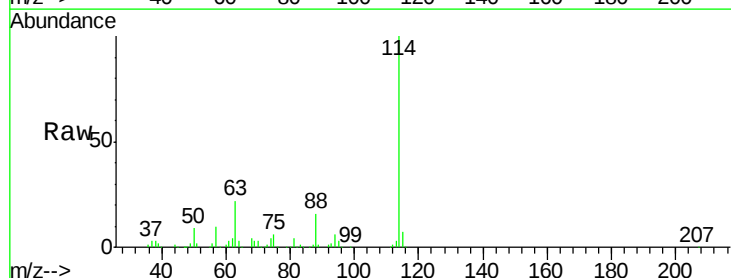
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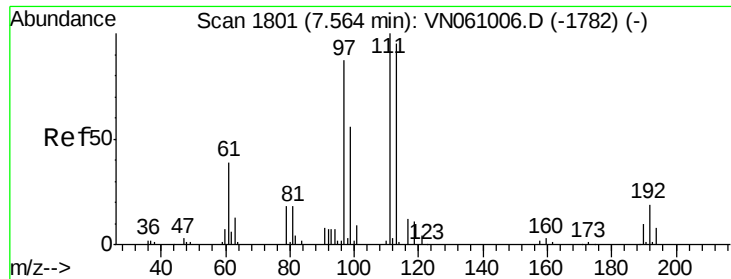
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	46.2	
88	16.5	0.0	33.4	





#35

Dibromofluoromethane

Concen: 49.145 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

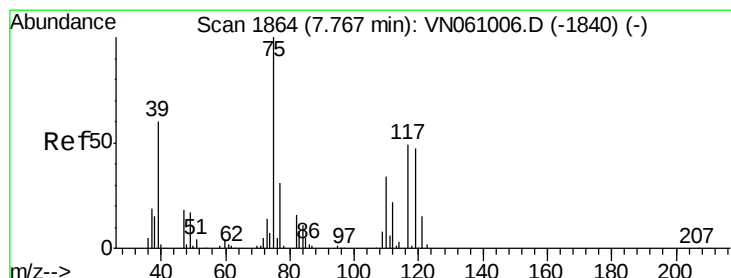
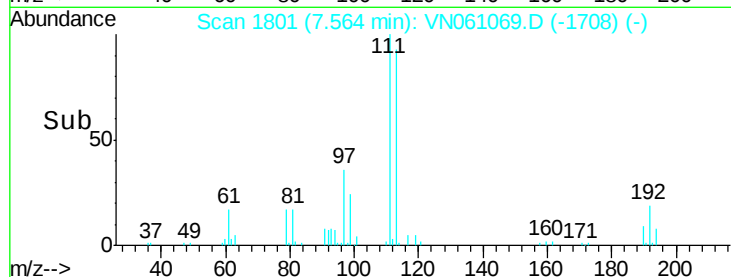
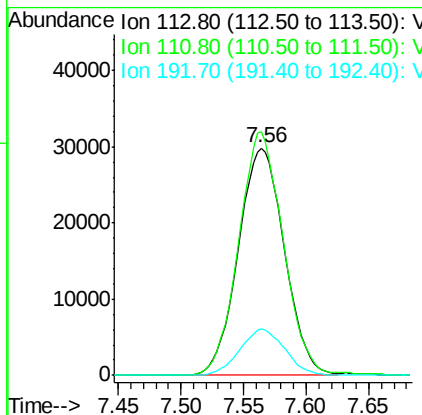
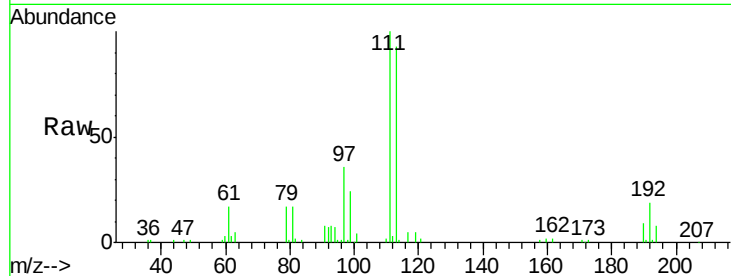
ClientSampleId :

VN0417WBS02

Tot Ion:	113	Resp:	76187
Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.4	125.2
192	19.8	15.5	23.3

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#36

1,1-Dichloropropene

Concen: 18.400 ug/l

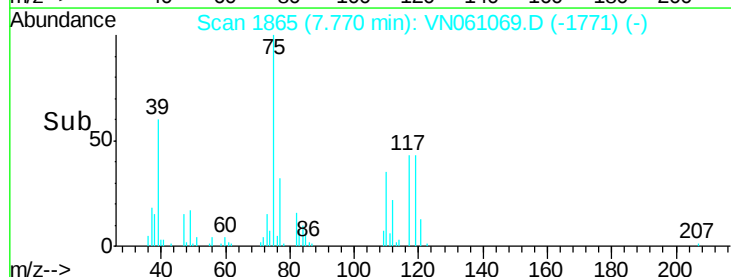
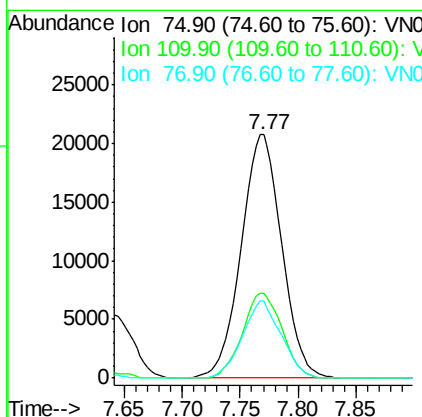
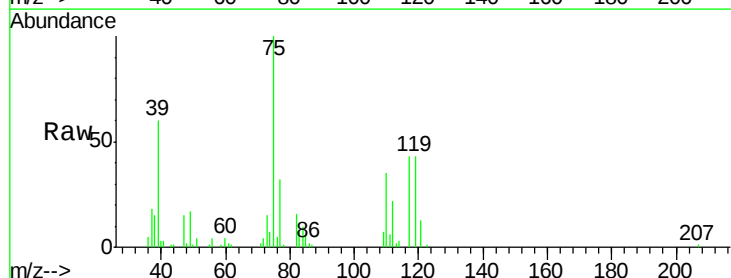
RT: 7.77 min Scan# 1865

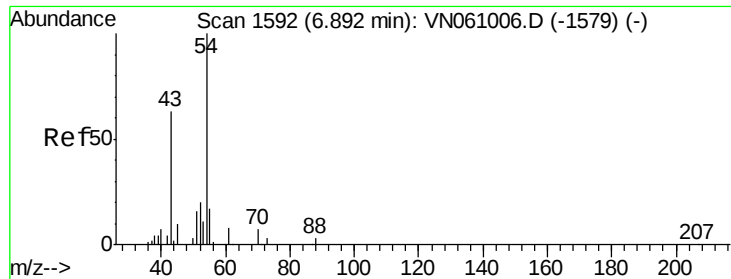
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion:	75	Resp:	50404
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.3
77	30.4	24.7	37.1





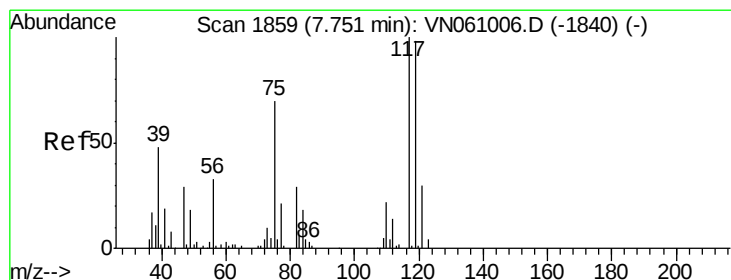
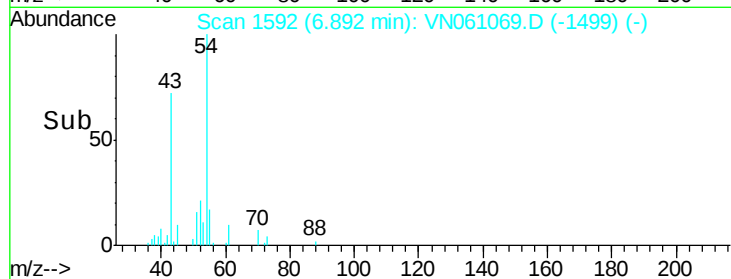
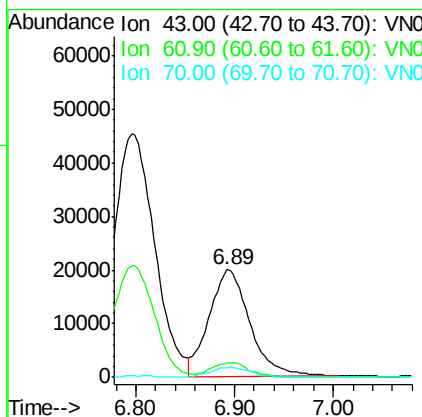
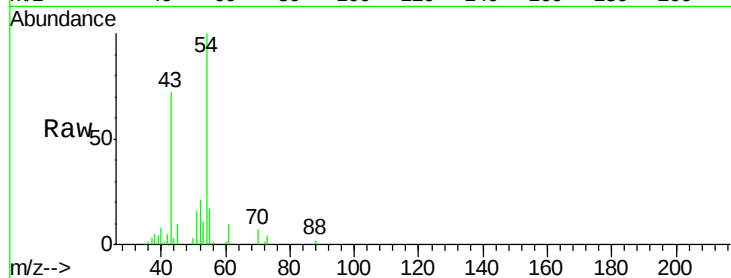
#37
Ethyl Acetate
Concen: 19.257 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampled :
VN0417WBS02

Tot Ion	43	61	70
Resp	57279		
Ratio	100	13.0	8.9
Lower		10.9	7.7
Upper		16.3	11.5

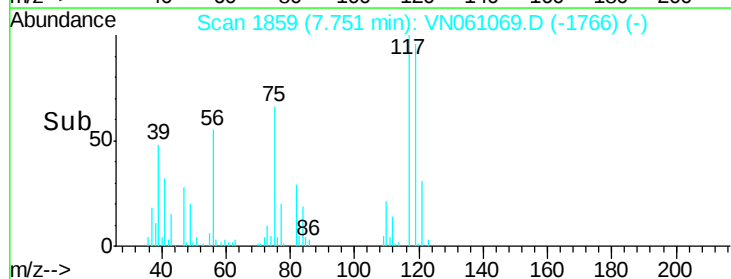
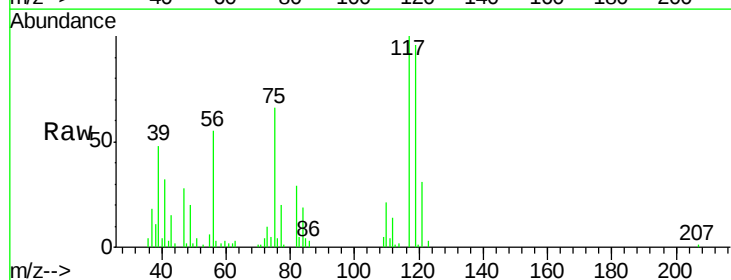
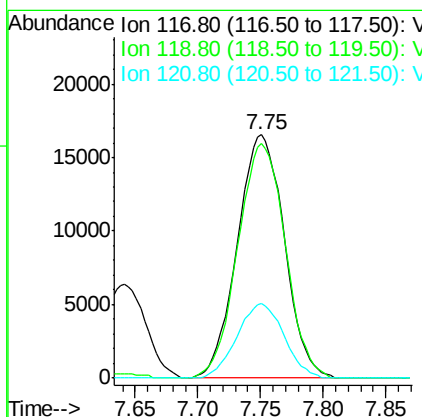
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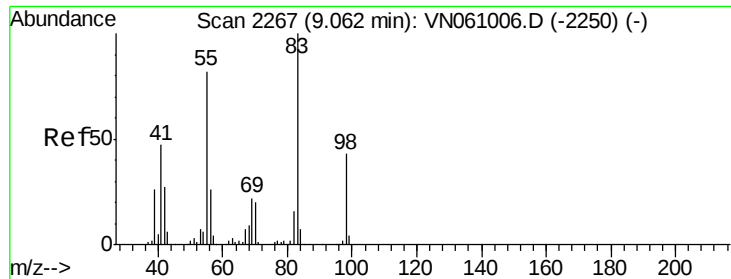
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#38
Carbon Tetrachloride
Concen: 18.931 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	117	119	121
Resp	43164		
Ratio	100	96.3	30.7
Lower		78.1	24.0
Upper		117.1	36.0





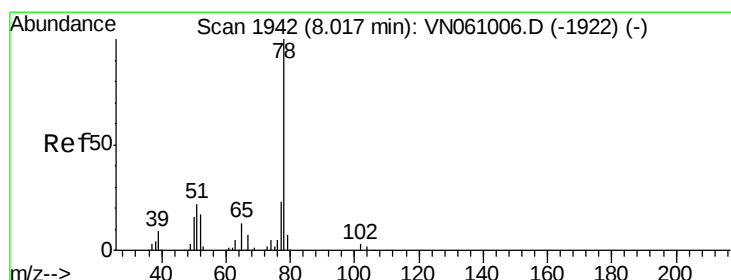
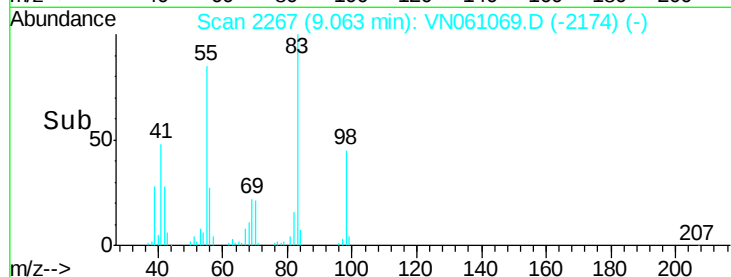
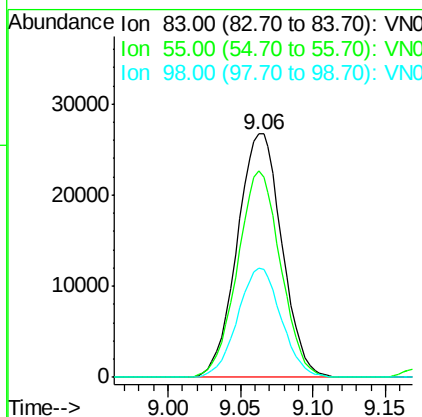
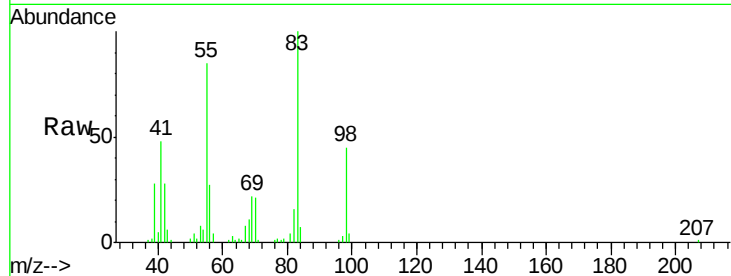
#39
Methvlcvclohexane
Concen: 17.491 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.6	65.4	98.0
98	44.9	34.6	51.8

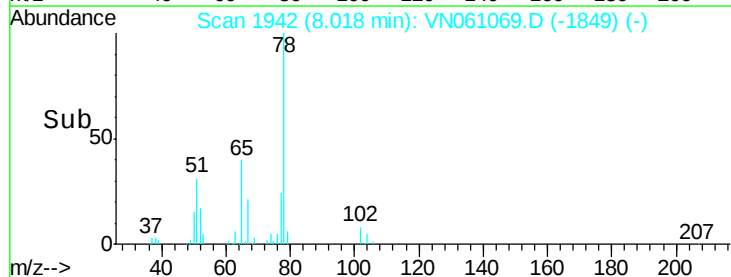
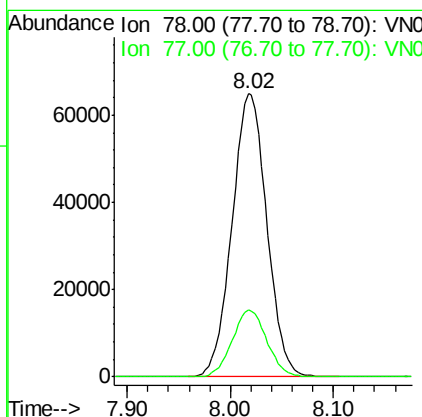
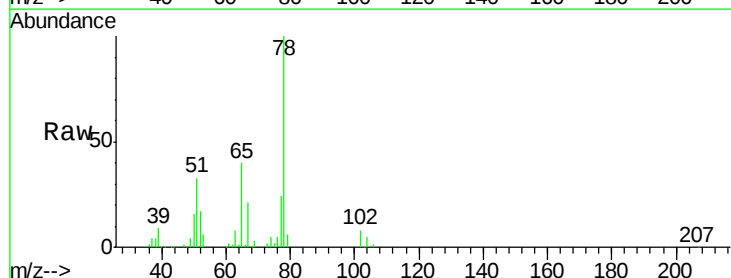
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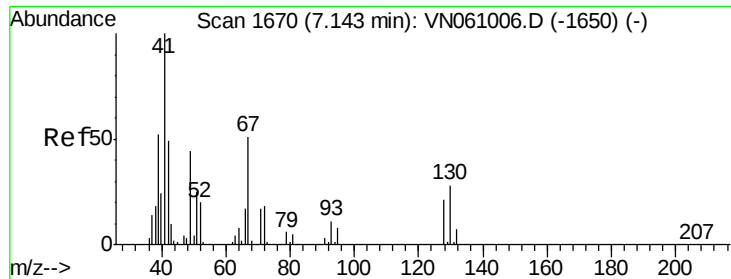
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#40
Benzene
Concen: 18.727 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





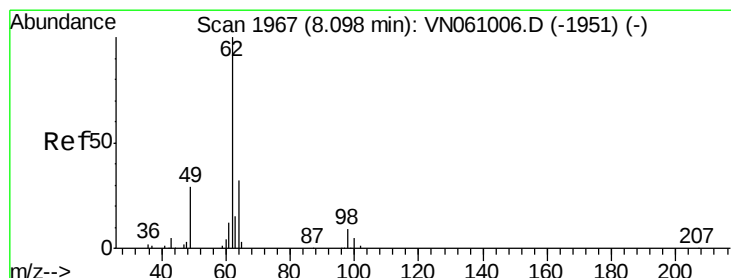
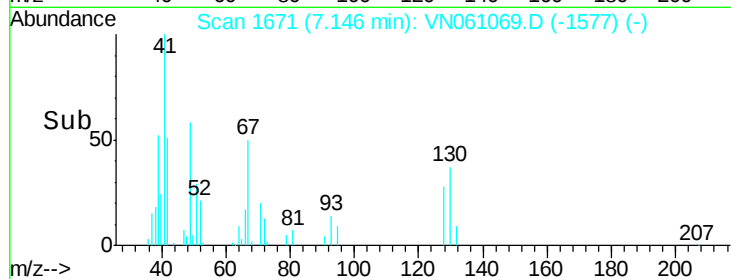
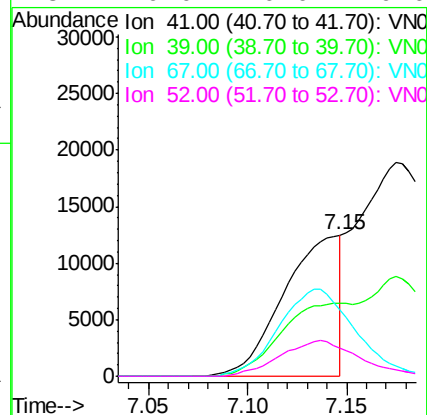
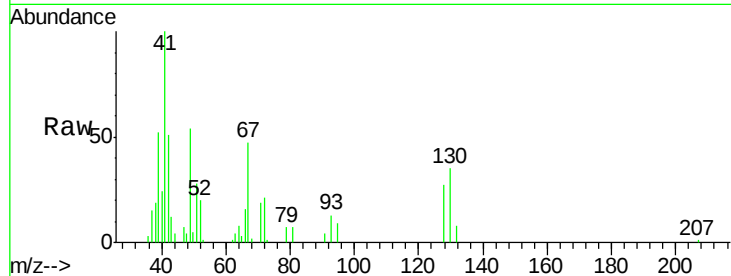
#41
Methacrylonitrile
Concen: 19.800 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	24564		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

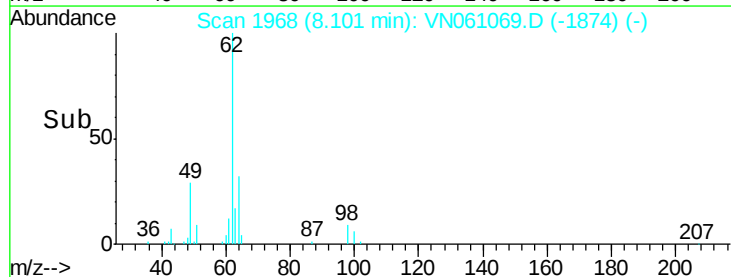
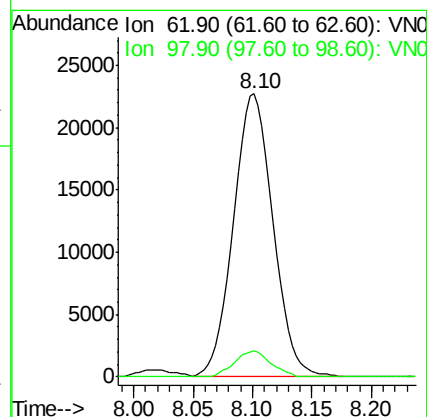
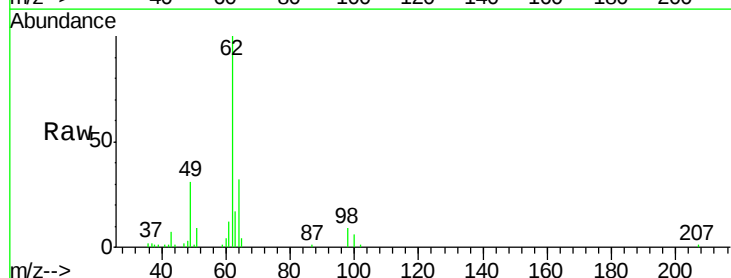
Manual Integrations
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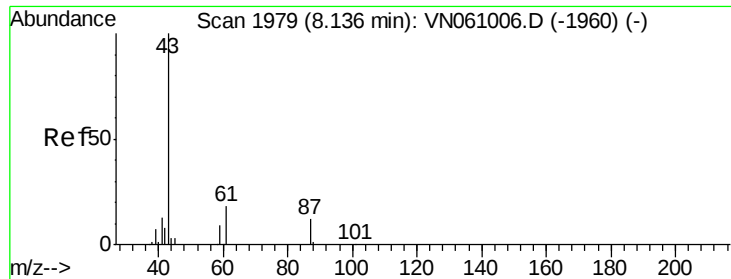
MMDadoda
4/20/2020 10:21:21 AM



#42
1,2-Dichloroethane
Concen: 18.947 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	52451		
98	8.5	0.0	0.0	17.2





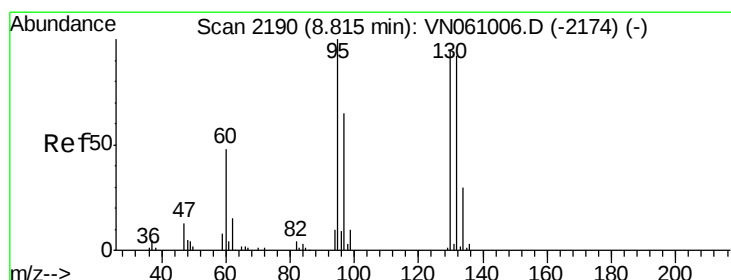
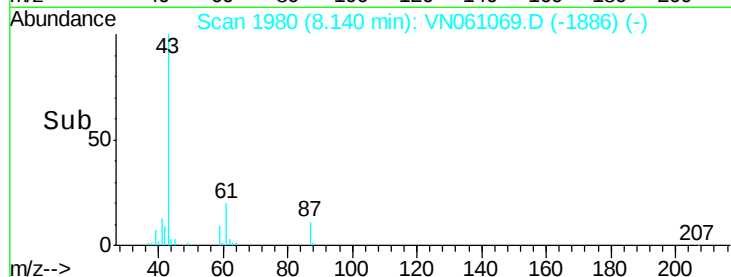
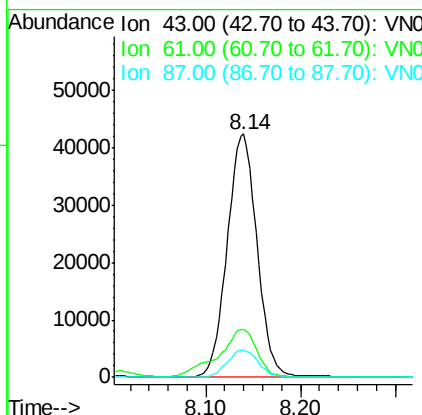
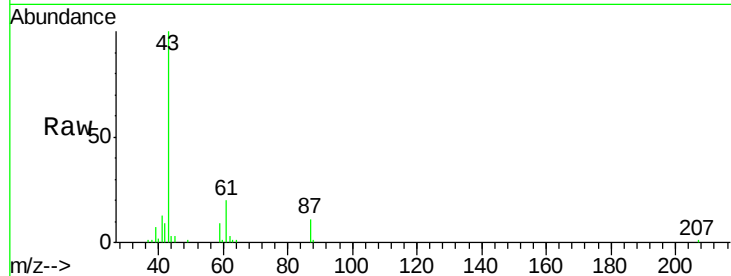
#43
Isopropyl Acetate
Concen: 19.234 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.3	30.5
87	11.6	9.4	14.2

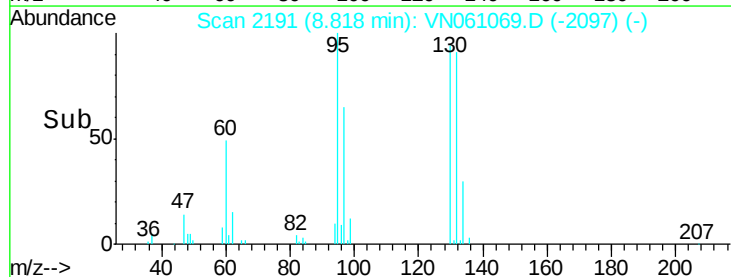
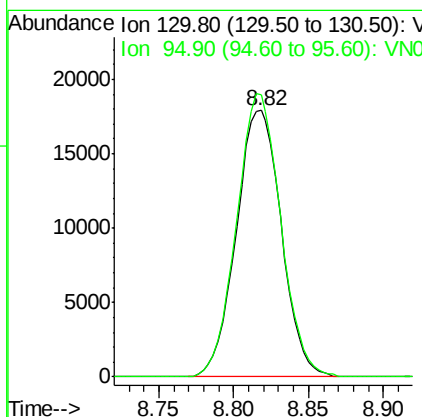
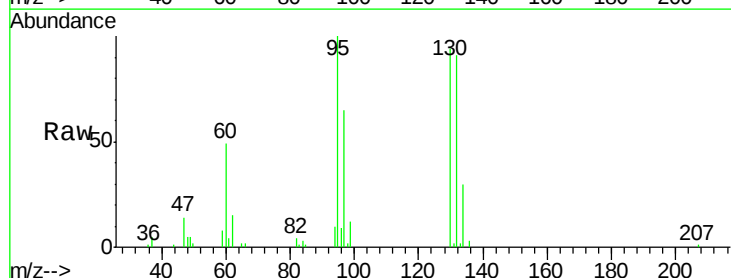
Manual Integrations
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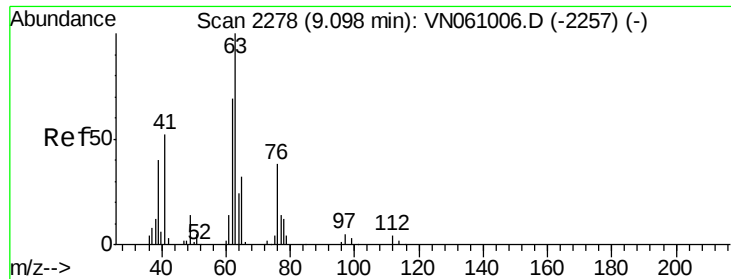
MMDadoda
4/20/2020 10:21:21 AM



#44
Trichloroethene
Concen: 18.398 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	210.0





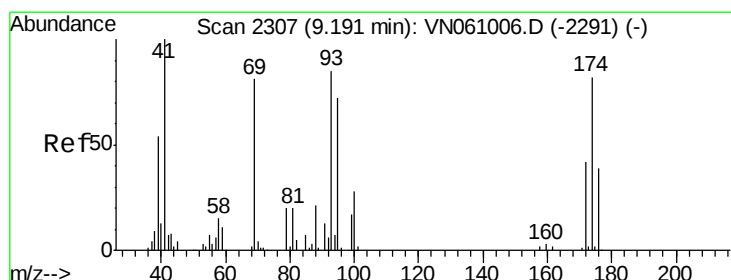
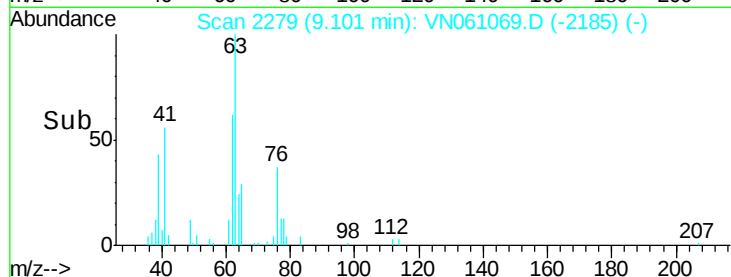
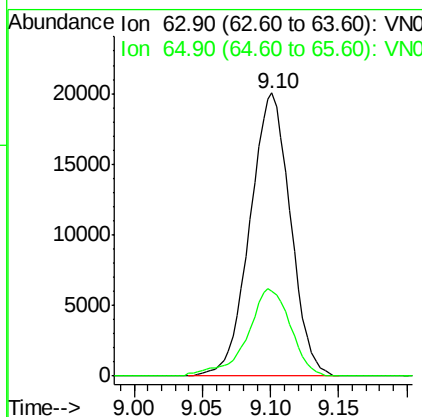
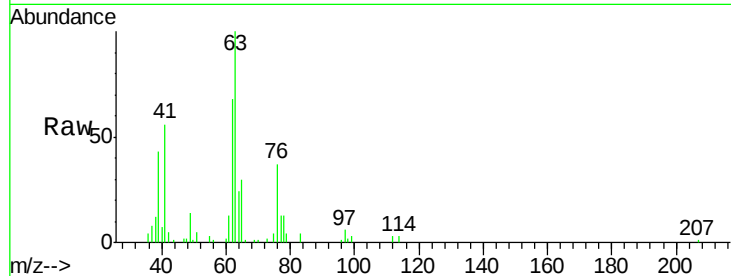
#45
 1,2-Dichloropropane
 Concen: 18.780 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0417WBS02

Tot Ion	63	Resp	41222
Ion Ratio	Lower	Upper	
63	100		
65	30.2	25.2	37.8

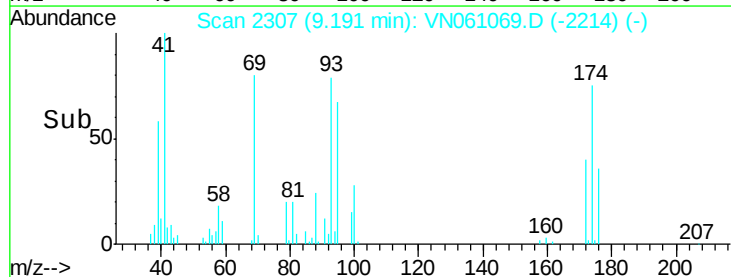
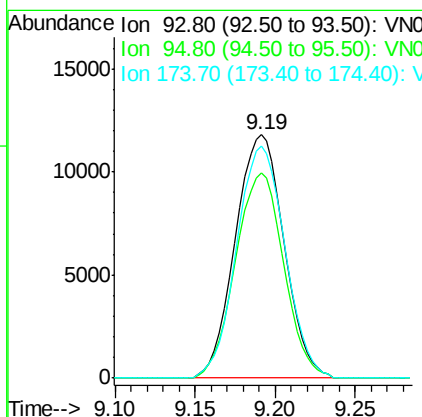
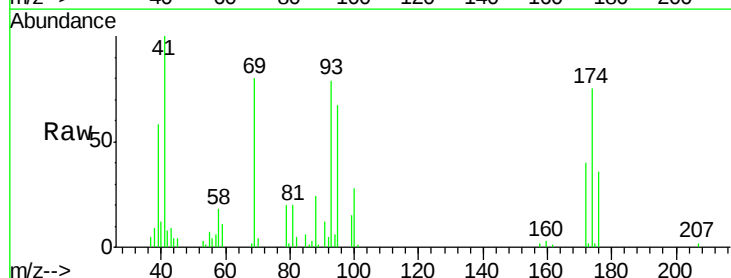
Manual Integrations
 APPROVED

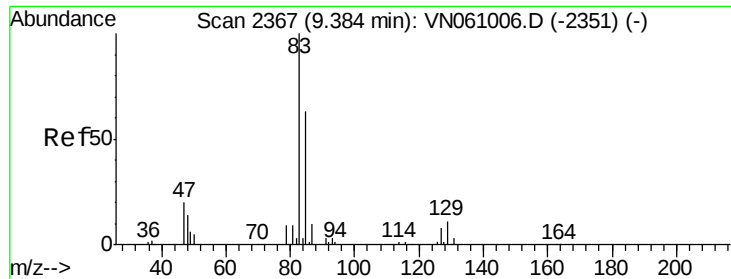
MMDadoda
 4/20/2020 10:21:21 AM



#46
 Dibromomethane
 Concen: 19.465 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	93	Resp	24634
Ion Ratio	Lower	Upper	
93	100		
95	83.5	66.8	100.2
174	94.5	76.2	114.4





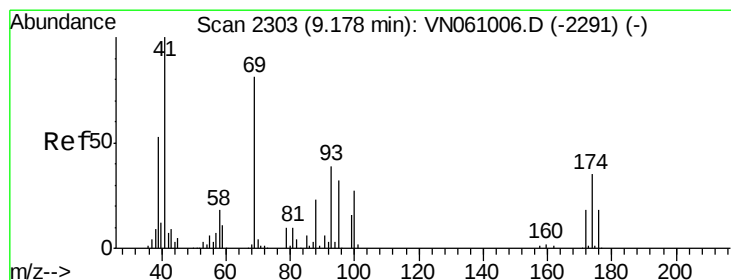
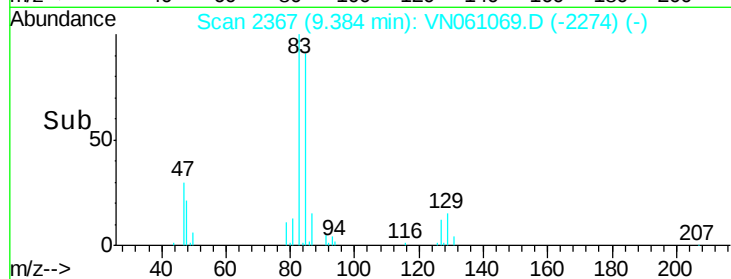
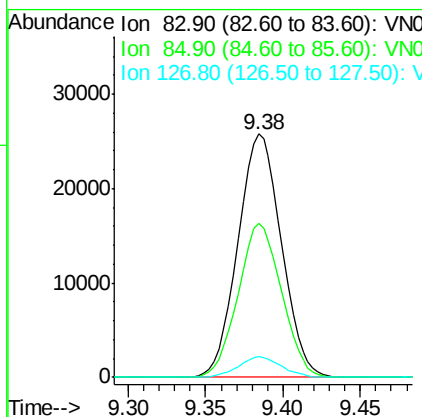
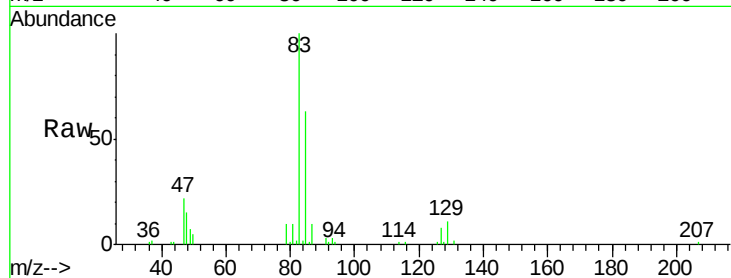
#47
Bromodichloromethane
Concen: 18.878 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	83	Resp	50470
Ion Ratio	100		
85	63.2	50.6	76.0
127	8.3	6.1	9.1

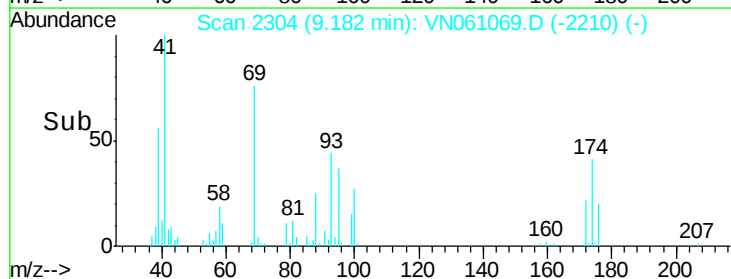
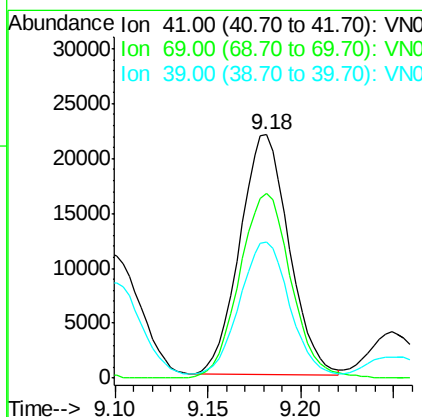
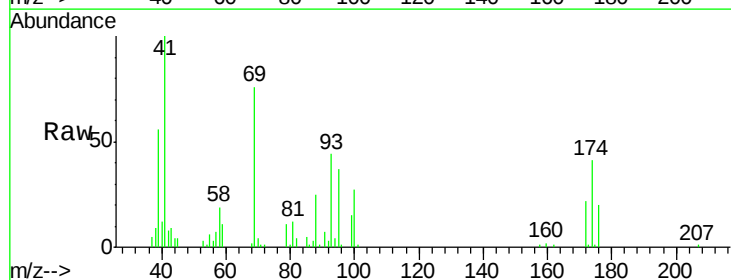
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#48
Methyl methacrylate
Concen: 18.905 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	41	Resp	40416
Ion Ratio	100		
69	80.7	65.3	97.9
39	55.9	45.2	67.8





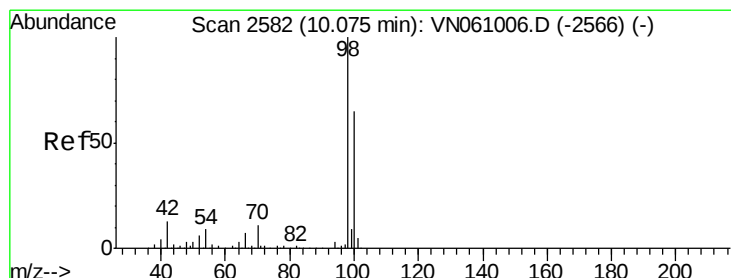
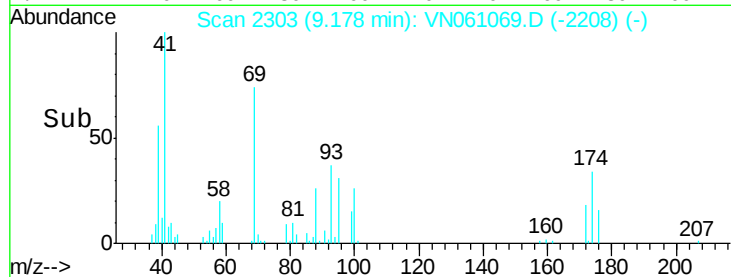
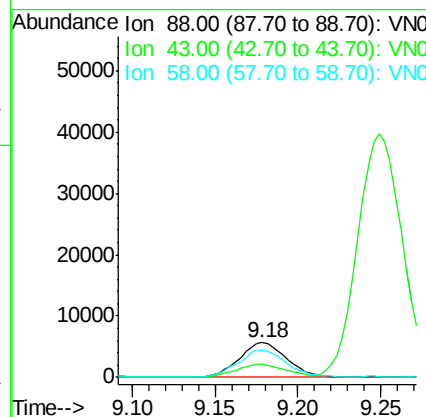
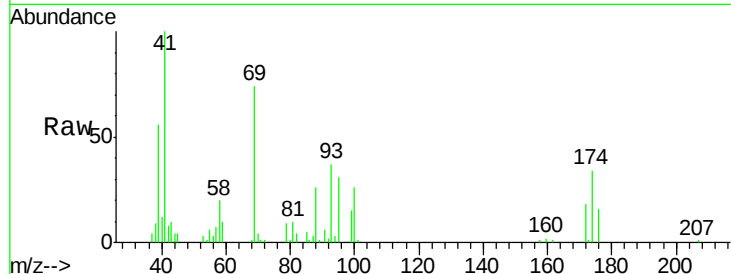
#49
1,4-Dioxane
Concen: 387.792 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.4	30.9	46.3	
58	79.8	59.8	89.8	

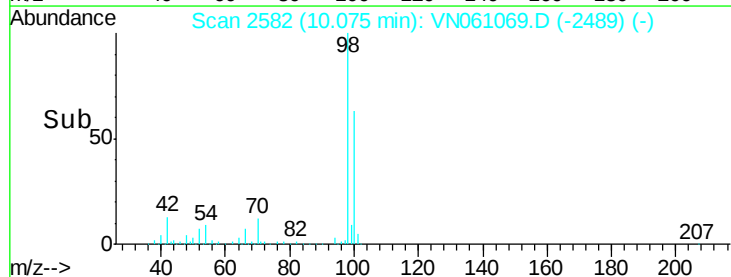
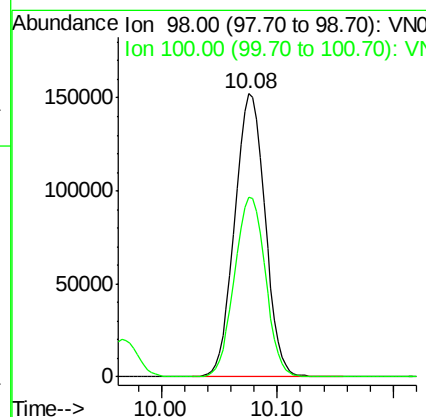
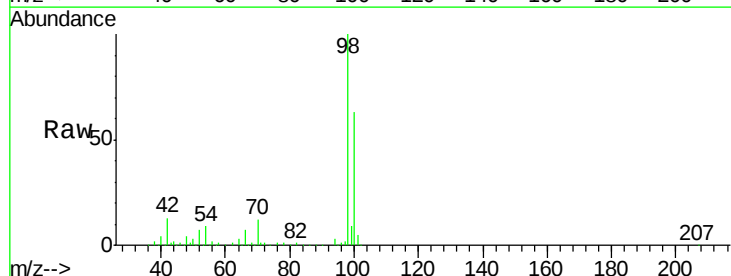
Manual Integrations
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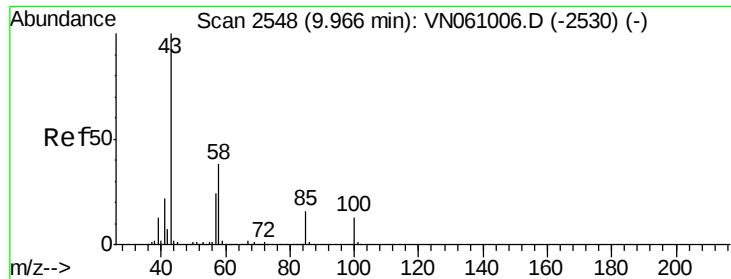
MMDadoda
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#50
Toluene-d8
Concen: 47.115 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.9	51.9	77.9	





#51

4-Methyl-2-Pentanone

Concen: 99.080 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 43 Resp: 276302

Ion Ratio Lower Upper

43 100

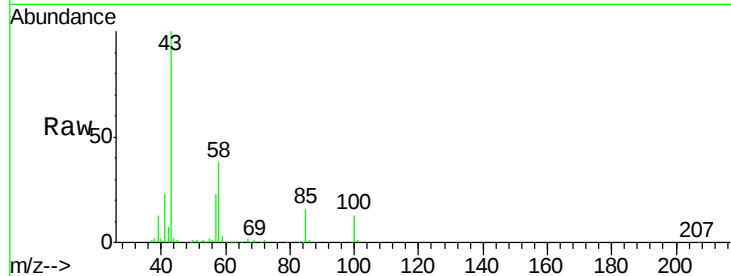
58 37.7 30.3 45.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

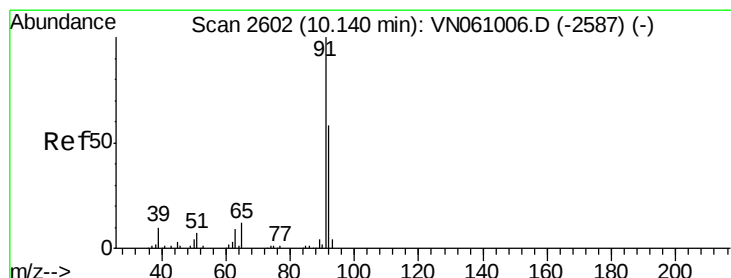
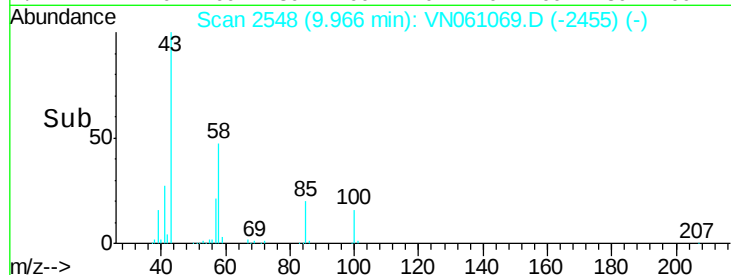
9.97

100000

50000

0

Time-->



#52

Toluene

Concen: 18.361 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN061069.D

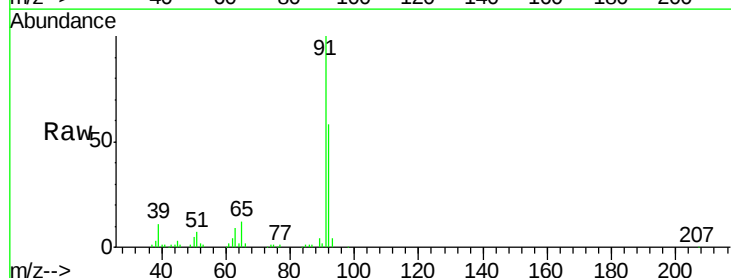
Acq: 17 Apr 2020 22:57

Tgt Ion: 92 Resp: 89516

Ion Ratio Lower Upper

92 100

91 174.9 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

10.14

80000

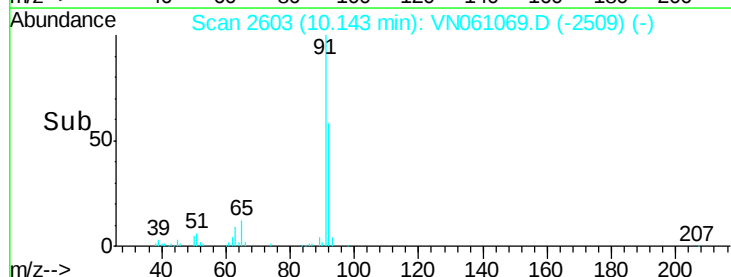
60000

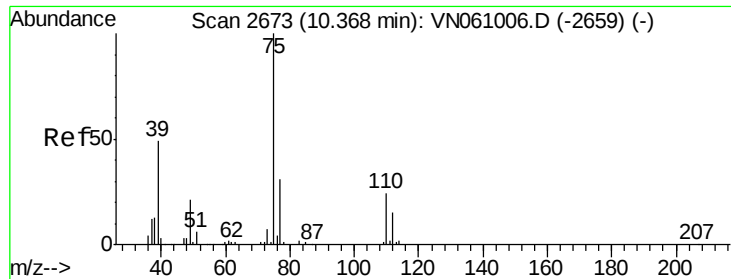
40000

20000

0

Time-->





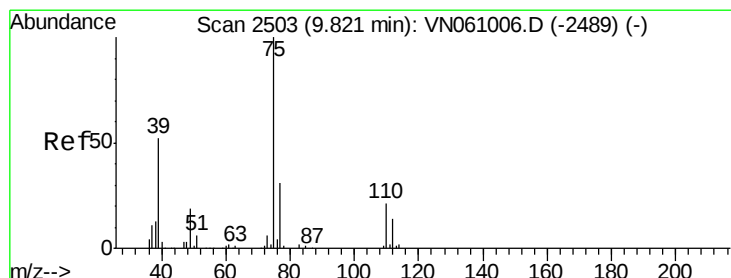
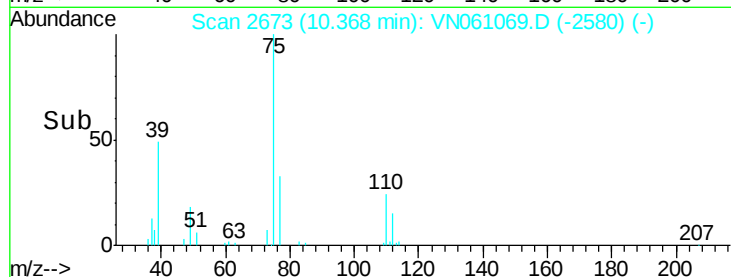
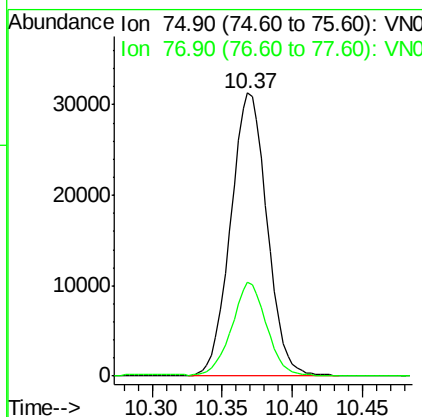
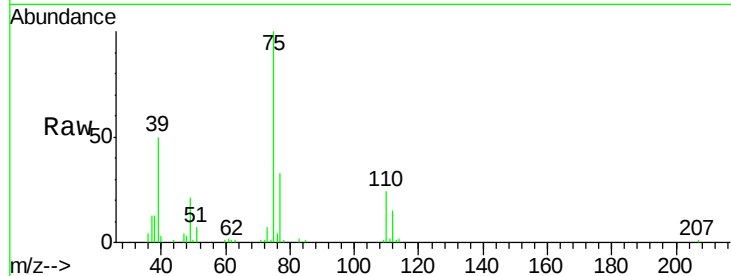
#53
t-1,3-Dichloropropene
Concen: 18.211 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.0	37.6

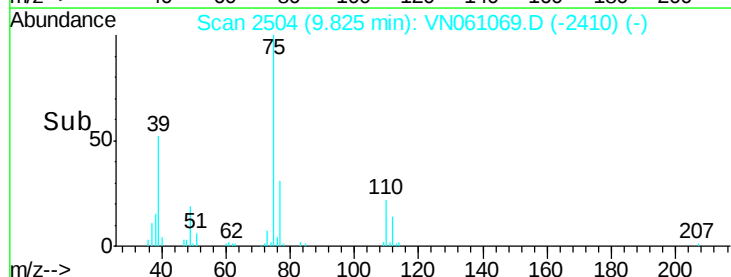
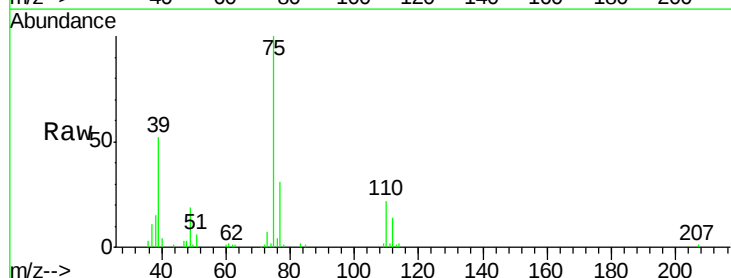
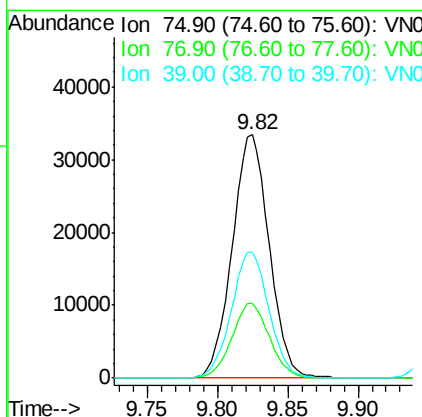
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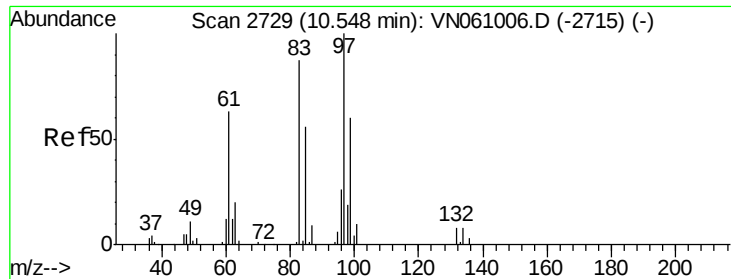
MMDadoda
4/20/2020 10:21:21 AM



#54
cis-1,3-Dichloropropene
Concen: 18.101 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6
39	51.6	41.4	62.2





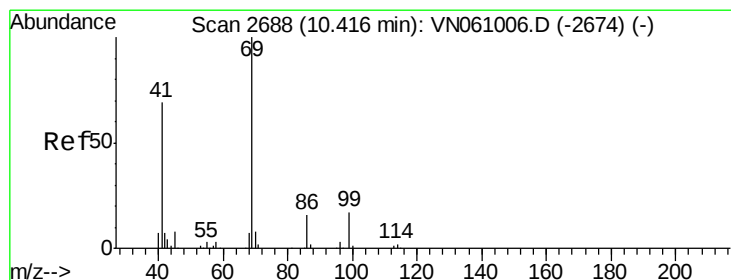
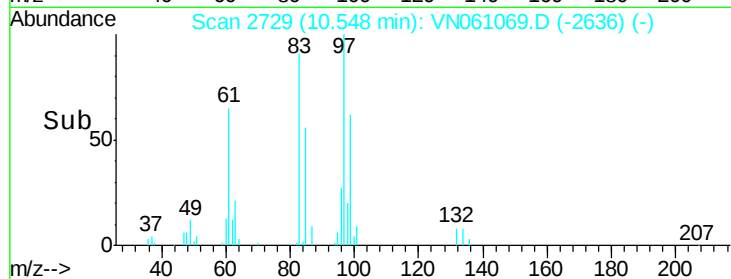
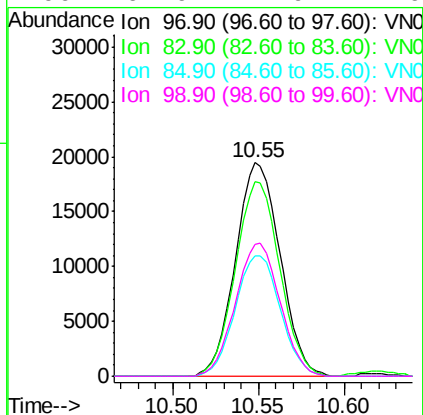
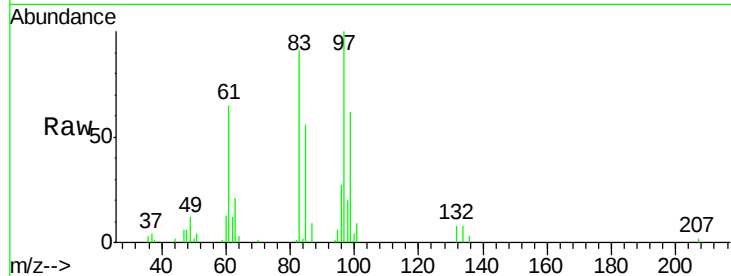
#55
 1,1,2-Trichloroethane
 Concen: 19.017 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion:	97	Resp:	35086
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.5	104.3
85	56.3	45.0	67.4
99	61.9	47.9	71.9

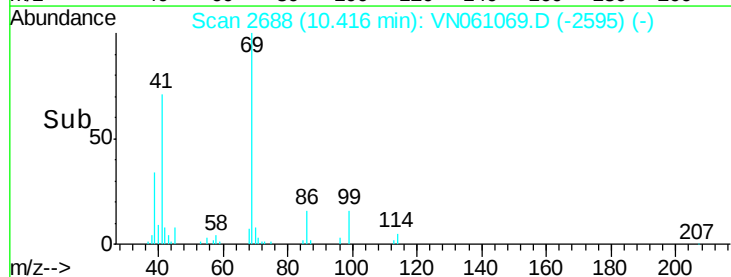
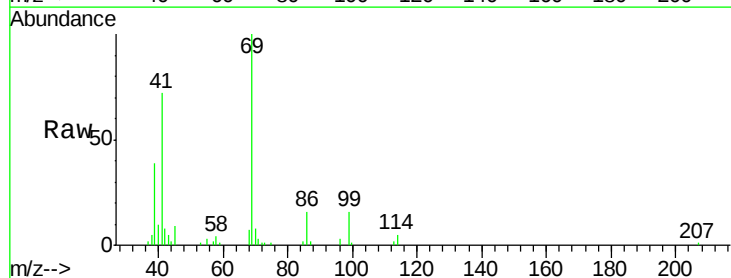
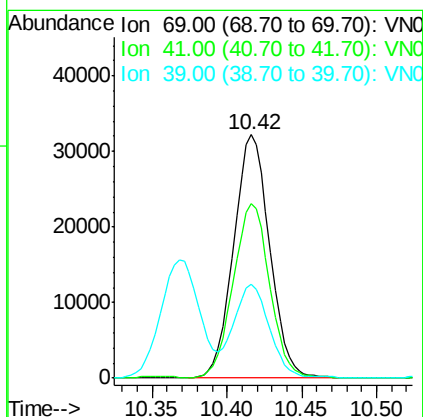
Manual Integrations
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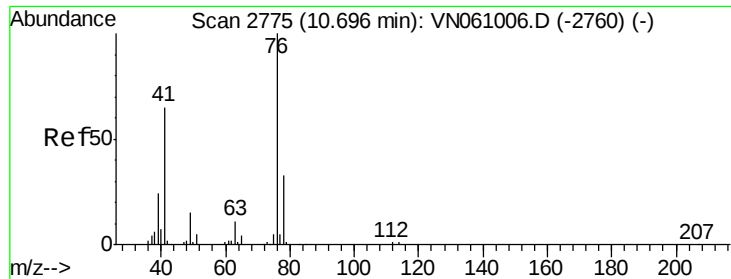
MMDadoda
 4/20/2020 10:21:21 AM



#56
 Ethyl methacrylate
 Concen: 18.623 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion:	69	Resp:	54029
Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.7	85.1
39	38.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 18.893 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 76 Resp: 62174

Ion Ratio Lower Upper

76 100

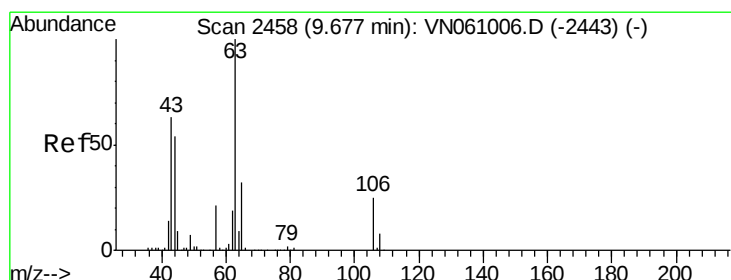
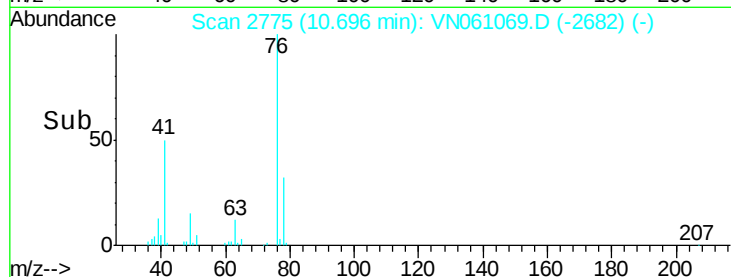
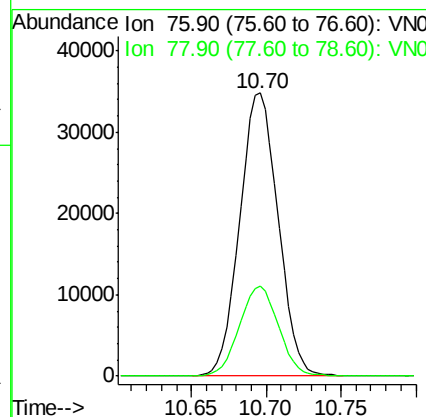
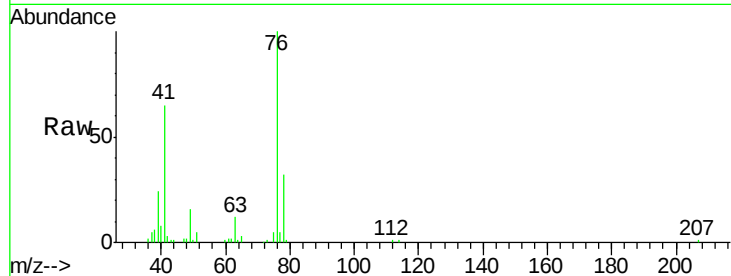
78 32.3 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 95.511 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061069.D

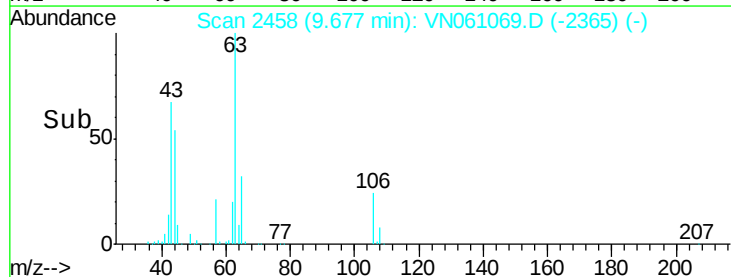
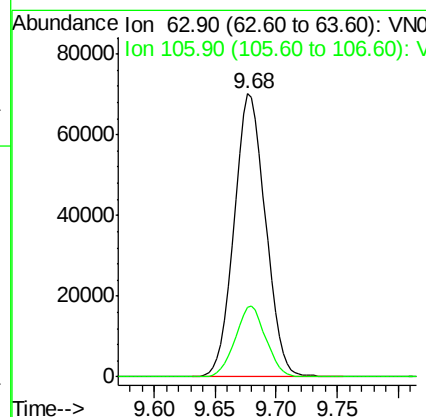
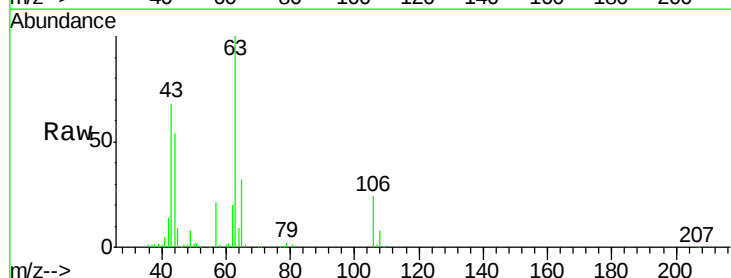
Acq: 17 Apr 2020 22:57

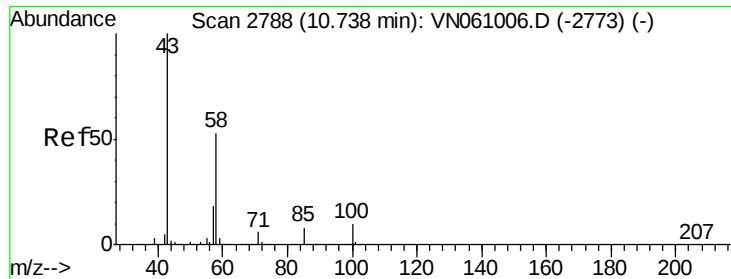
Tgt Ion: 63 Resp: 125909

Ion Ratio Lower Upper

63 100

106 24.3 19.5 29.3





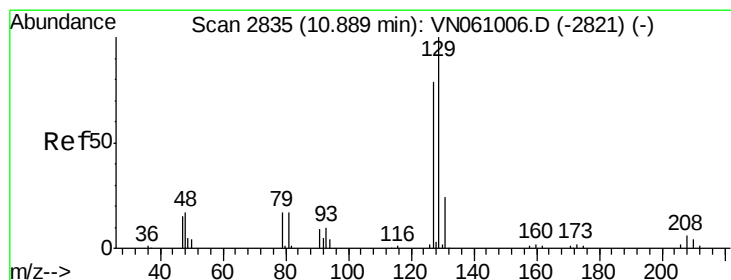
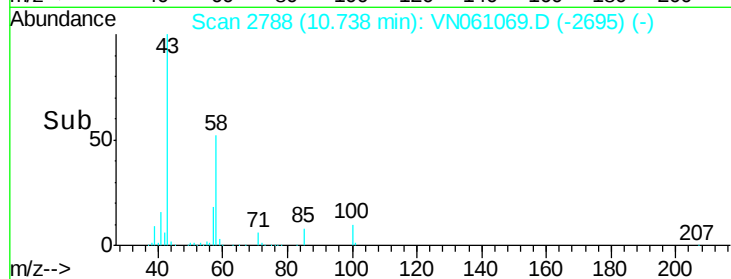
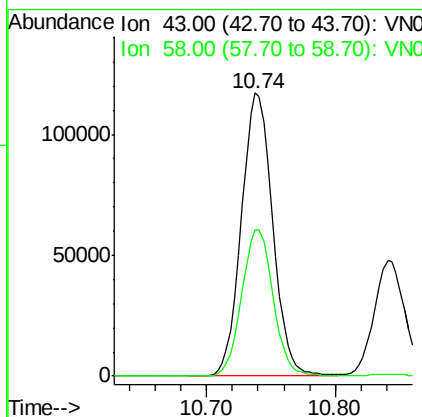
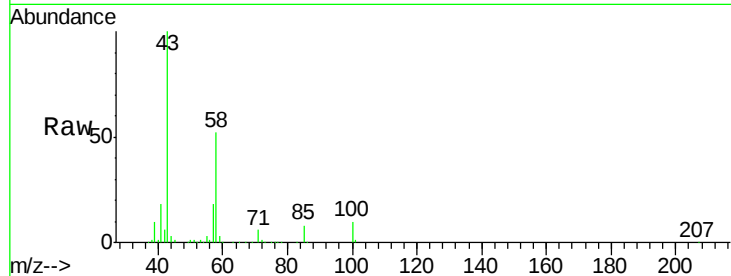
#59
2-Hexanone
Concen: 98.638 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion: 43 Resp: 198374
Ion Ratio Lower Upper
43 100
58 52.0 26.4 79.0

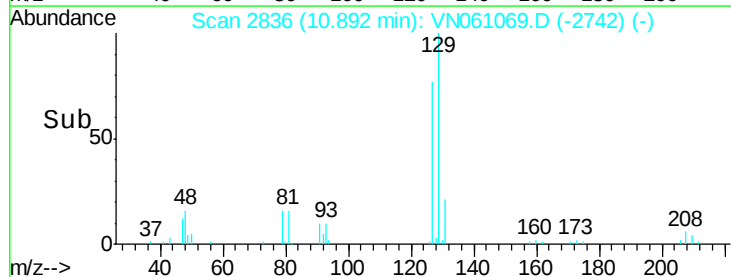
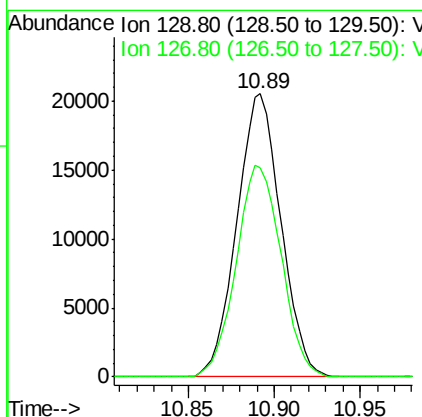
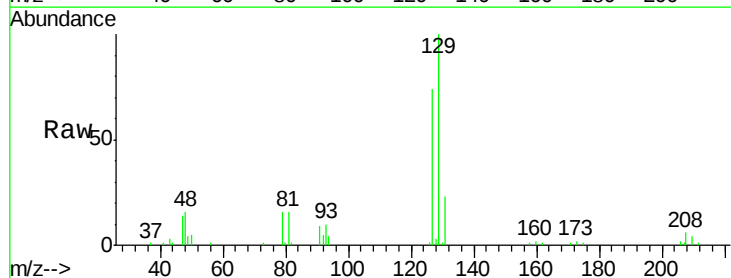
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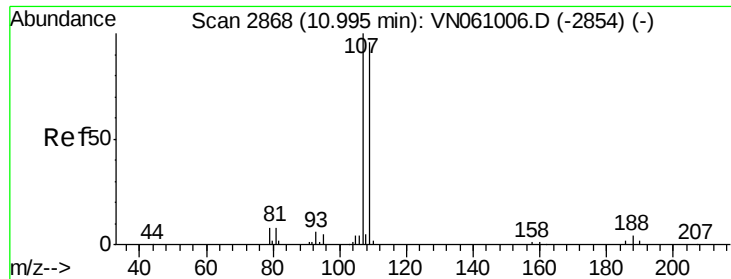
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#60
Dibromochloromethane
Concen: 19.273 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion: 129 Resp: 36526
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 18.910 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion:107 Resp: 35551

Ion Ratio Lower Upper

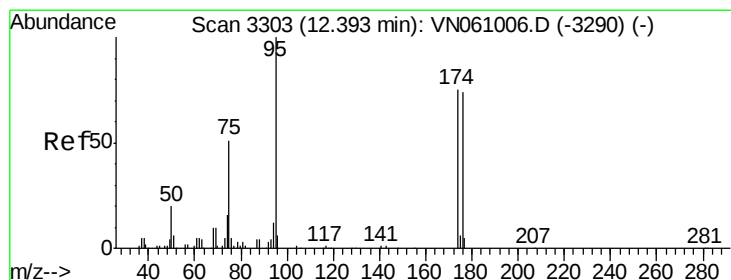
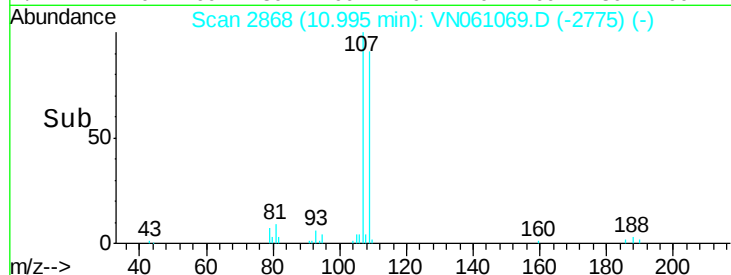
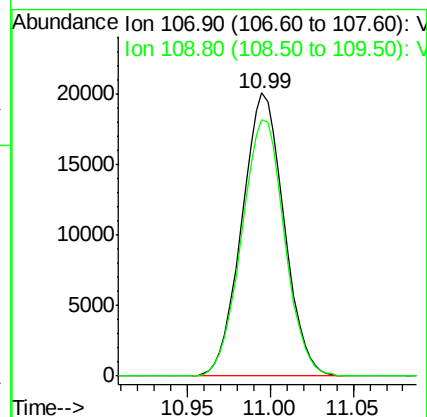
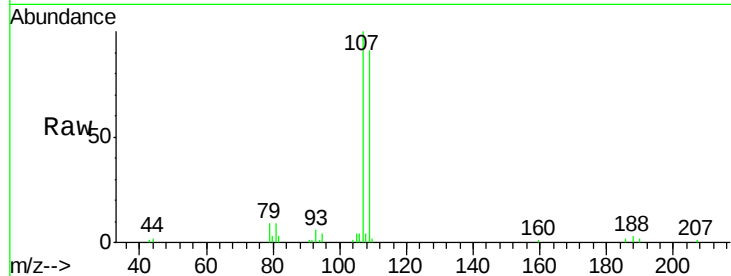
107 100

109 92.1 75.9 113.9

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#62

4-Bromofluorobenzene

Concen: 47.136 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

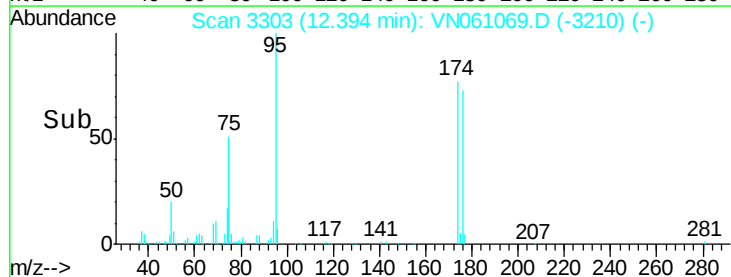
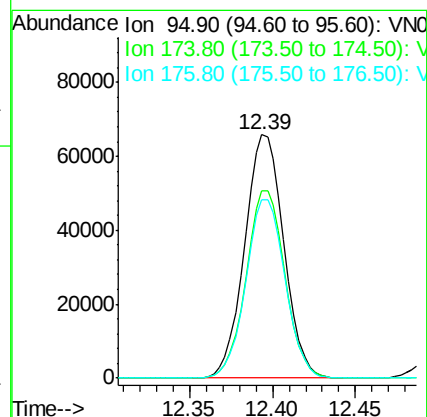
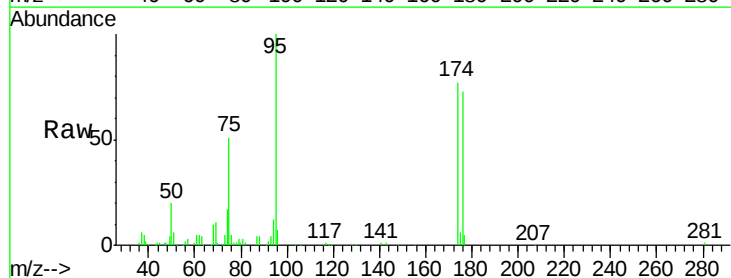
Tgt Ion: 95 Resp: 108220

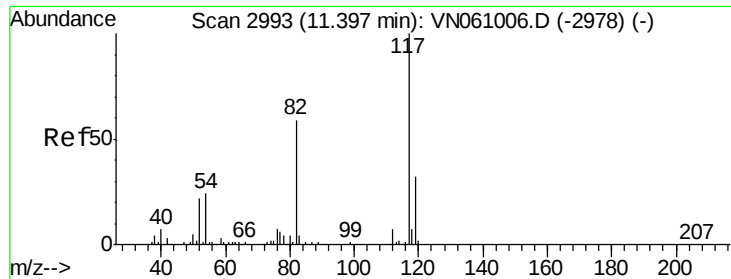
Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.2

176 73.5 0.0 148.2





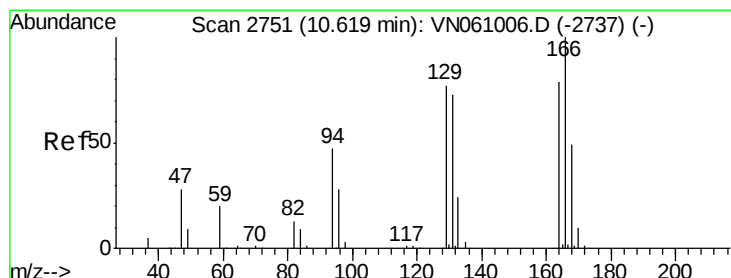
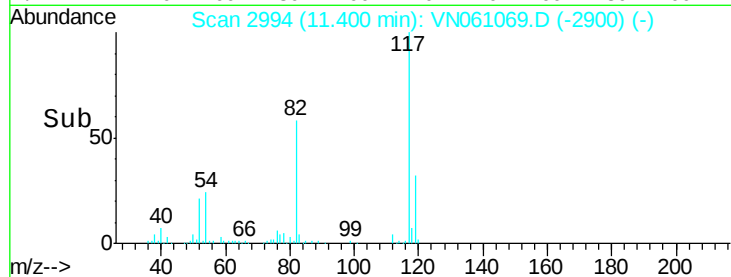
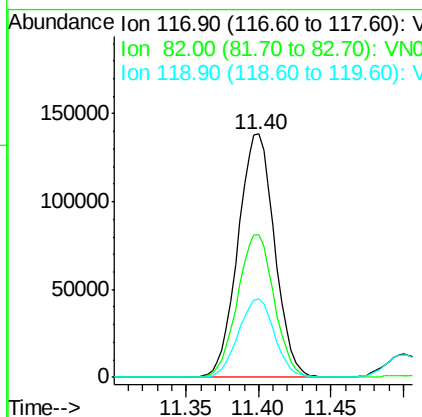
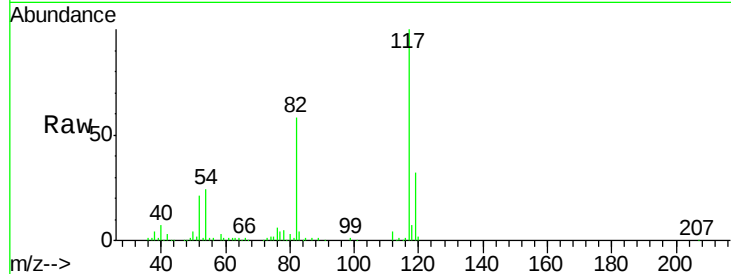
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	242682		
82	58.5	47.1	70.7	
119	32.1	25.7	38.5	

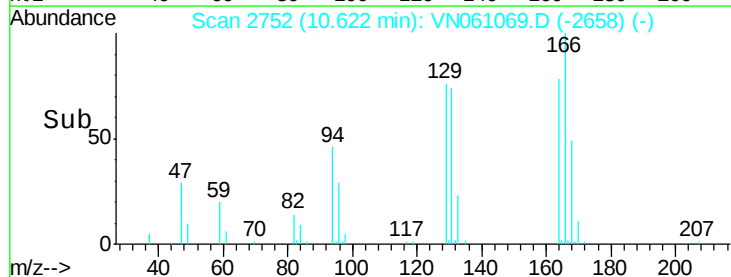
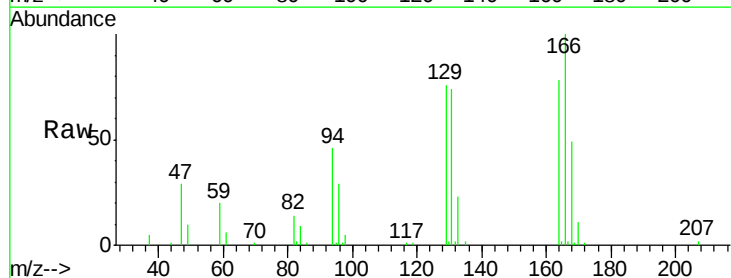
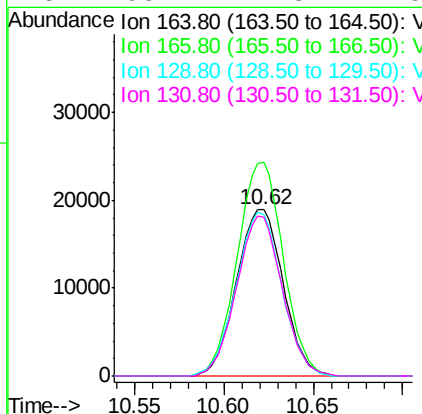
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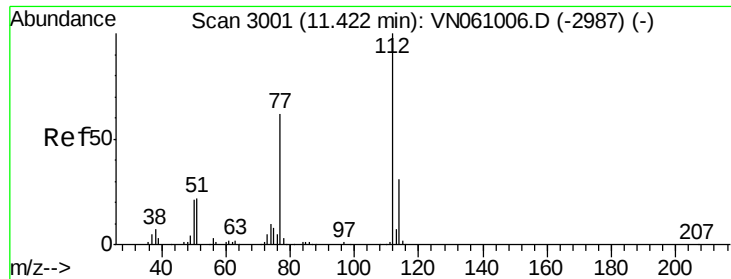
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#64
Tetrachloroethene
Concen: 18.616 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34571		
166	128.4	101.6	152.4	
129	97.1	78.5	117.7	
131	95.1	74.3	111.5	





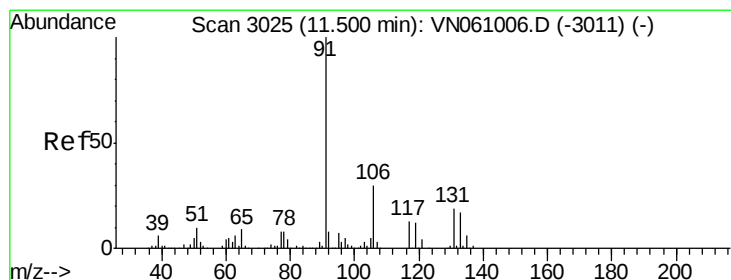
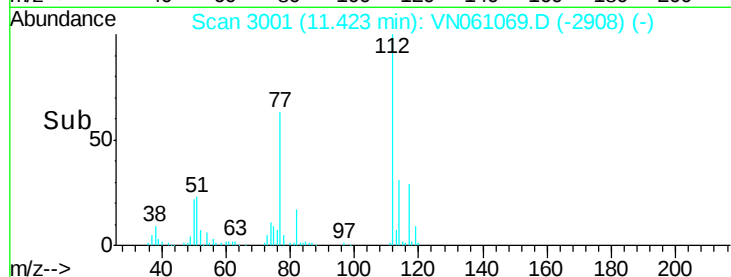
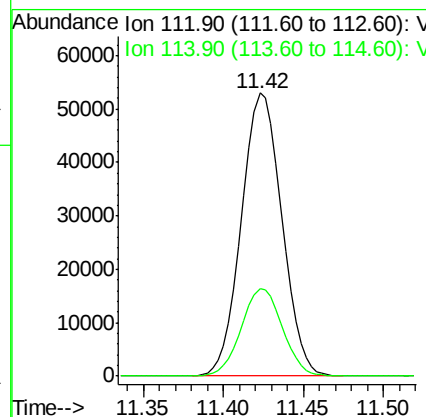
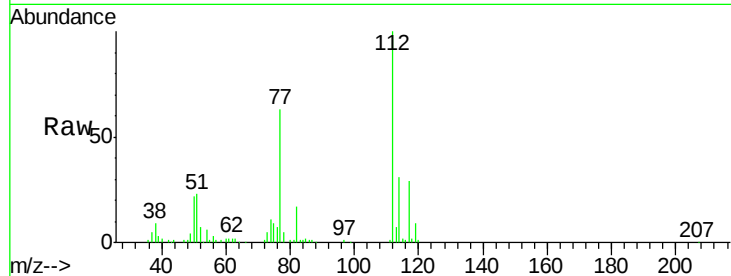
#65
Chlorobenzene
Concen: 18.254 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion:112 Resp: 91448
Ion Ratio Lower Upper
112 100
114 30.8 25.1 37.7

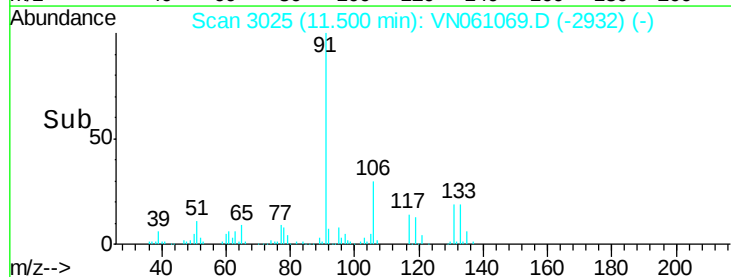
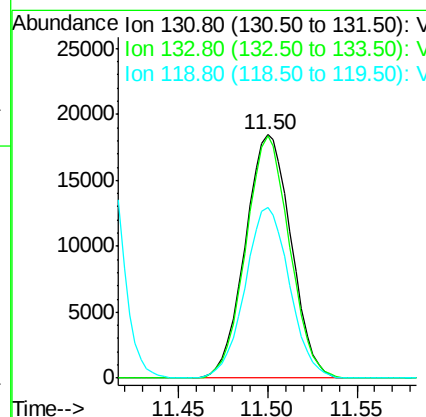
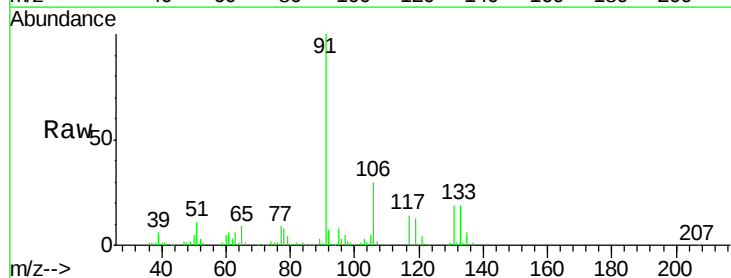
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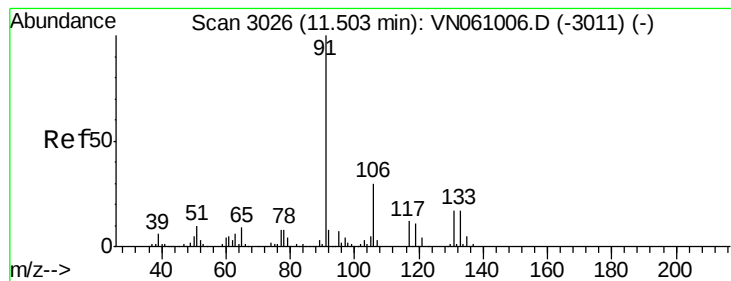
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.452 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion:131 Resp: 33073
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 68.2 33.3 99.8





#67

Ethyl Benzene

Concen: 18.164 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBS02

Tot Ion: 91 Resp: 171170

Ion Ratio Lower Upper

91 100

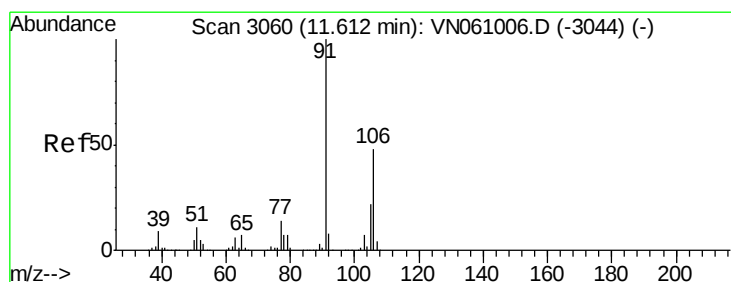
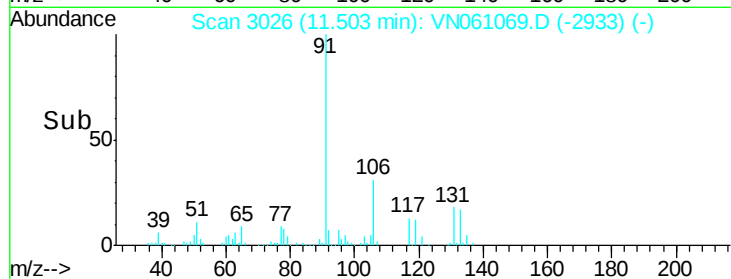
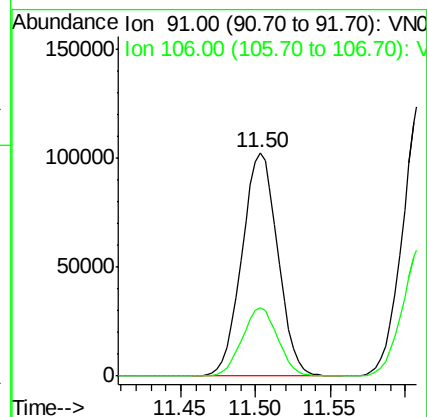
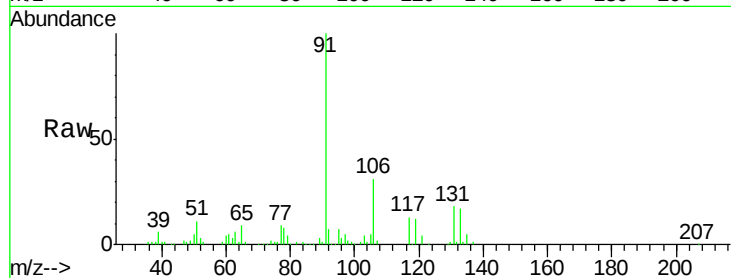
106 30.7 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.554 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN061069.D

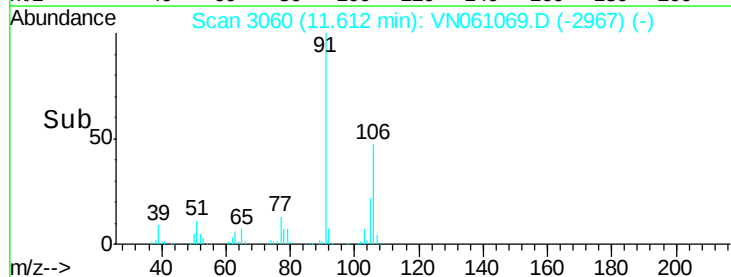
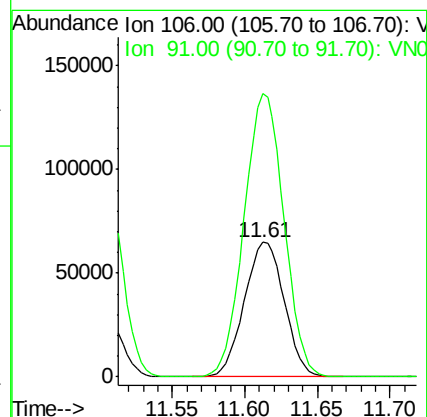
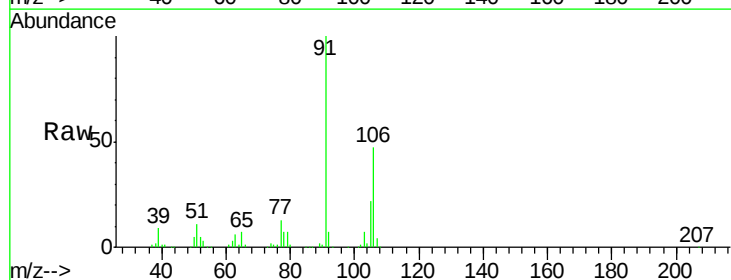
Acq: 17 Apr 2020 22:57

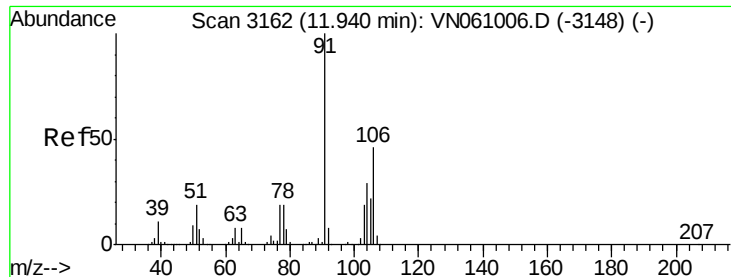
Tgt Ion: 106 Resp: 124493

Ion Ratio Lower Upper

106 100

91 209.6 167.9 251.9





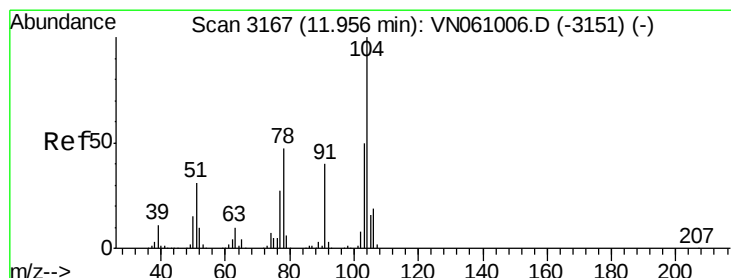
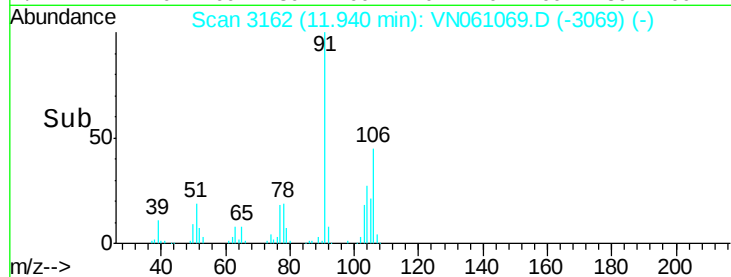
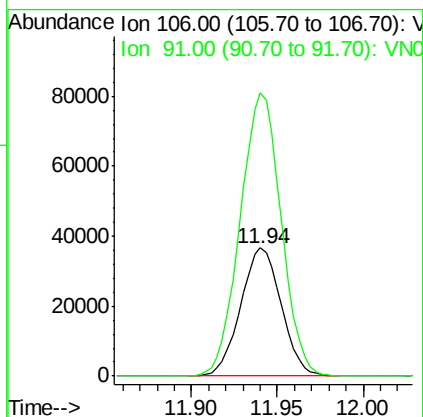
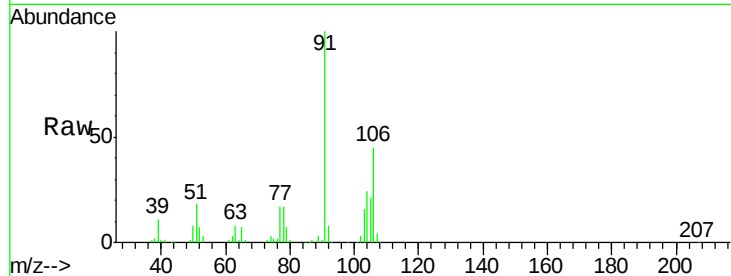
#69
o-Xylene
Concen: 18.321 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion:106 Resp: 59993
Ion Ratio Lower Upper
106 100
91 222.7 110.7 332.1

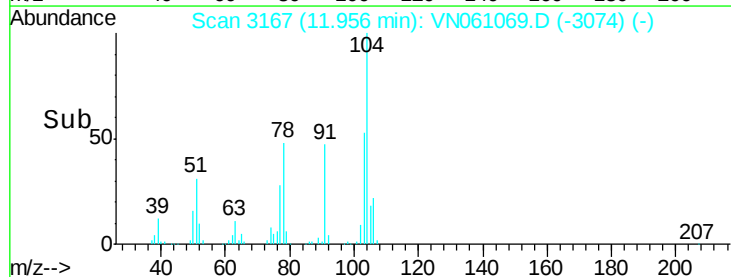
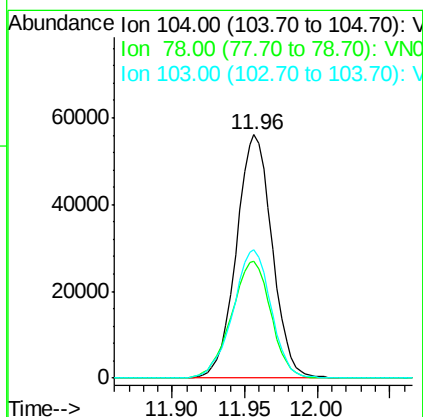
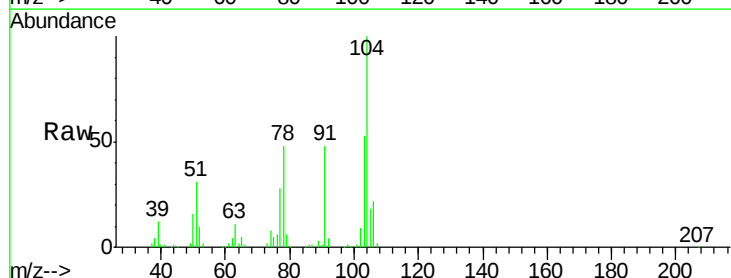
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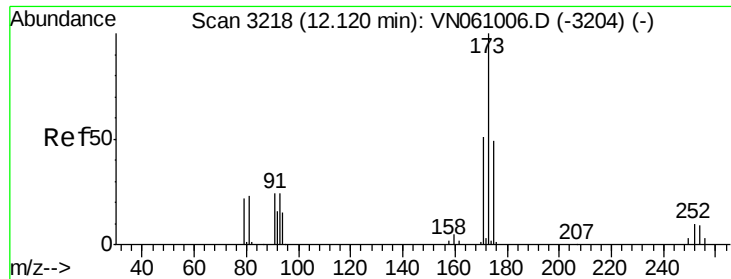
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#70
Styrene
Concen: 18.235 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion:104 Resp: 96127
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.4
103 56.1 44.4 66.6





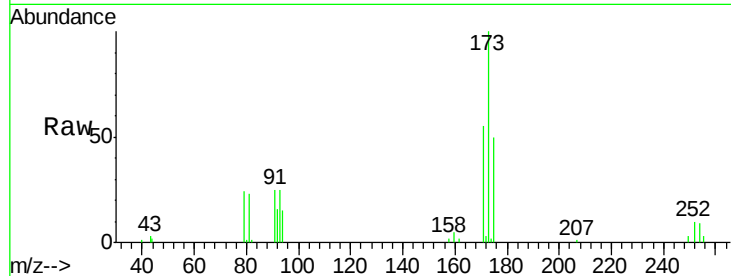
#71
Bromoform
Concen: 18.905 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

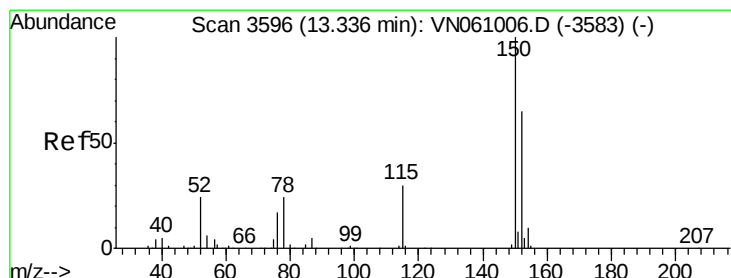
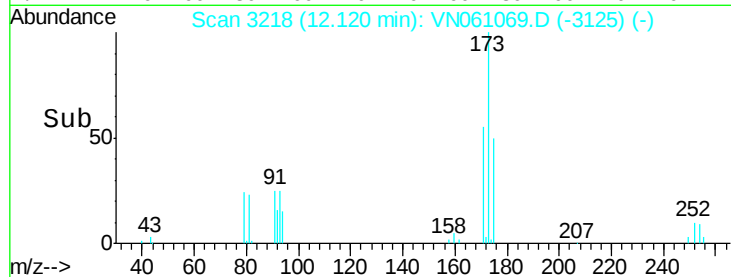
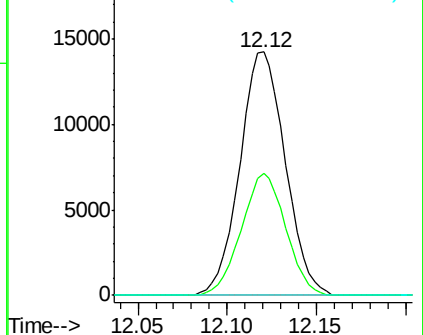
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.5	73.5
254	0.0	0.0	0.0

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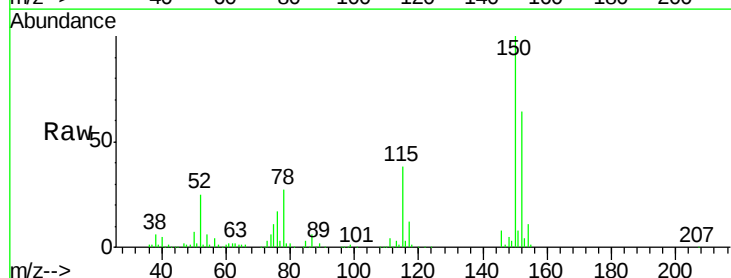


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

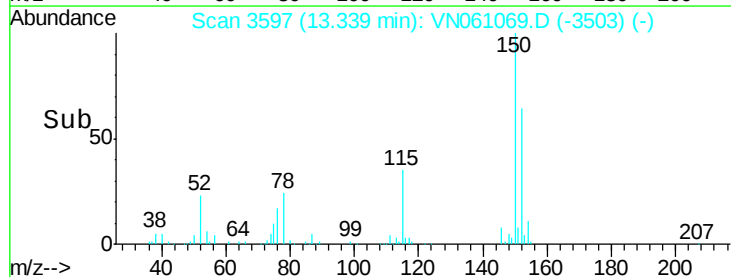
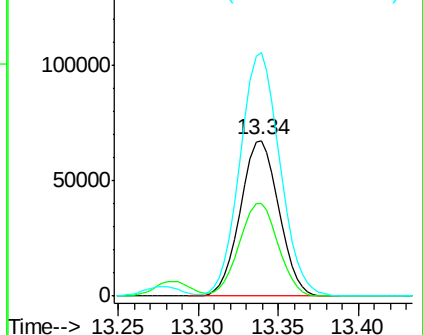


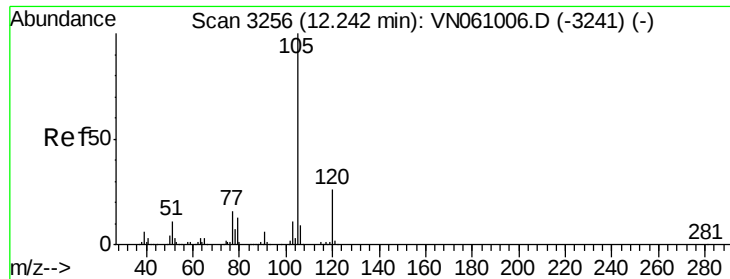
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.8	92.4
150	162.5	0.0	349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.110 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampleId :

VN0417WBS02

Tot Ion: 105 Resp: 160921

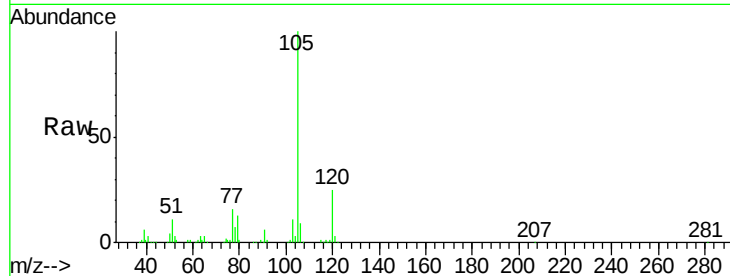
Ion Ratio Lower Upper

105 100

120 25.4 13.0 38.9

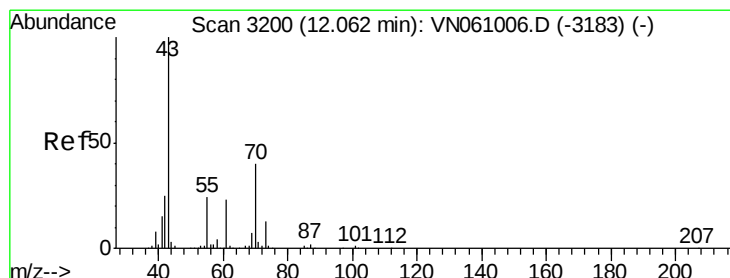
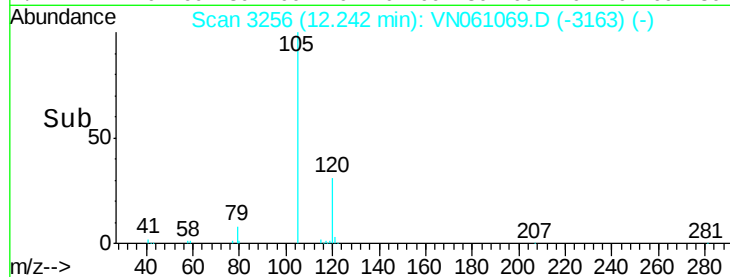
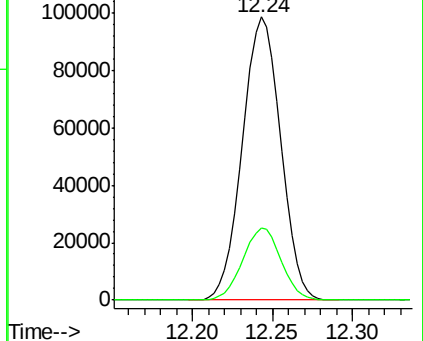
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.321 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion: 43 Resp: 75702

Ion Ratio Lower Upper

43 100

70 36.6 31.0 46.6

55 22.8 18.6 27.8

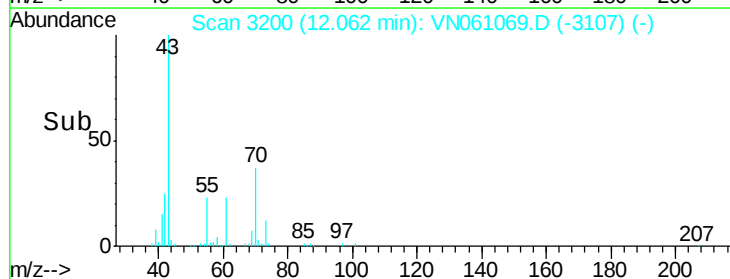
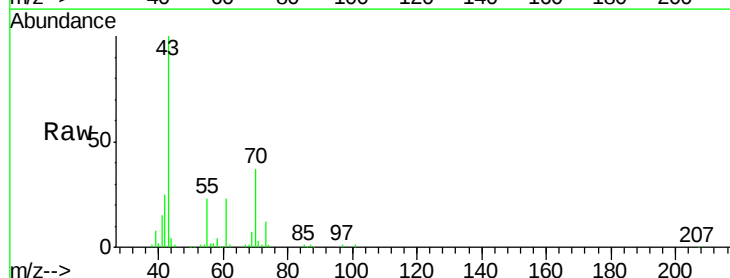
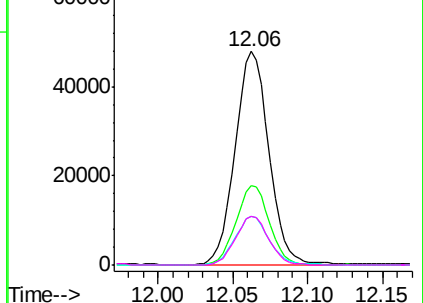
61 22.2 18.2 27.4

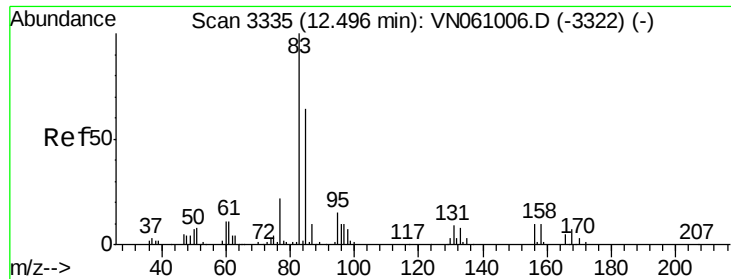
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.133 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

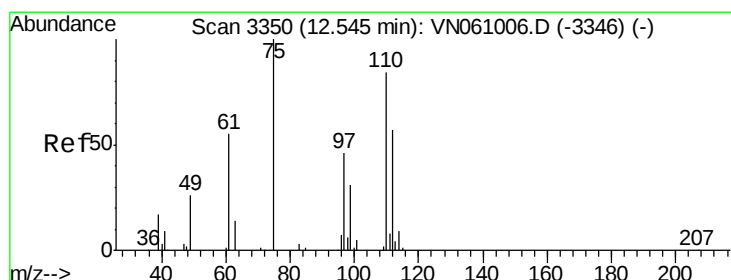
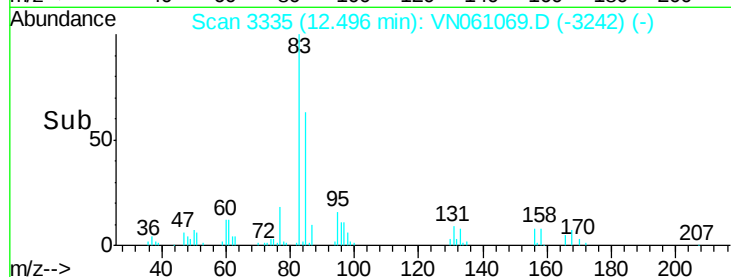
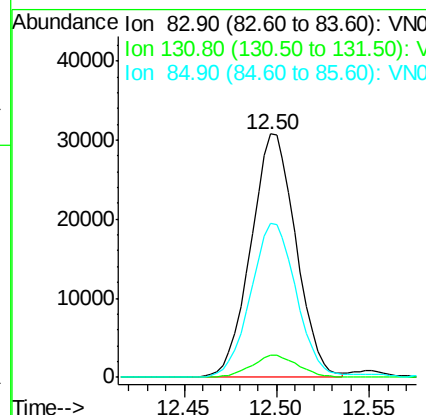
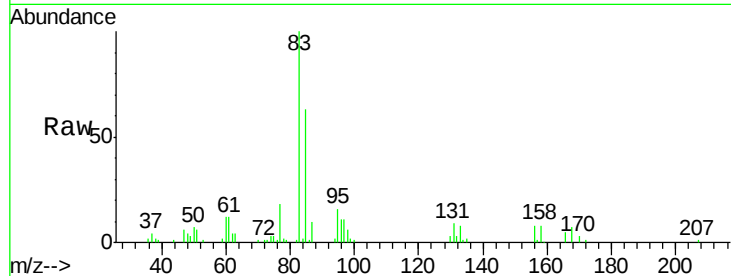
ClientSampleId :

VN0417WBS02

Tot Ion:	83	Resp:	51897
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.9	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 18.823 ug/l m

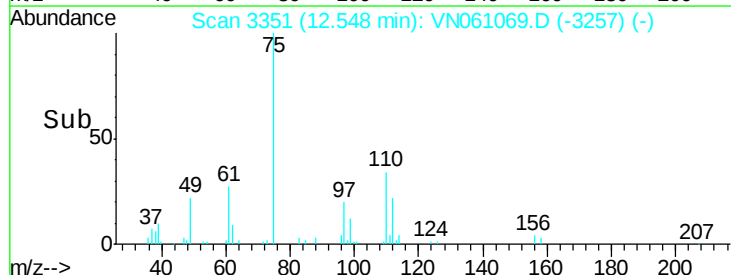
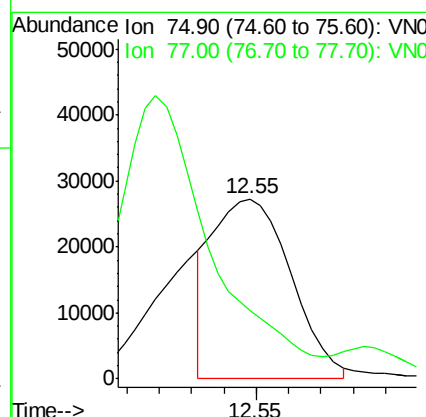
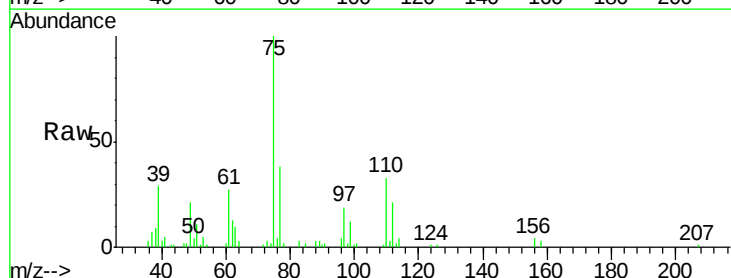
RT: 12.55 min Scan# 3351

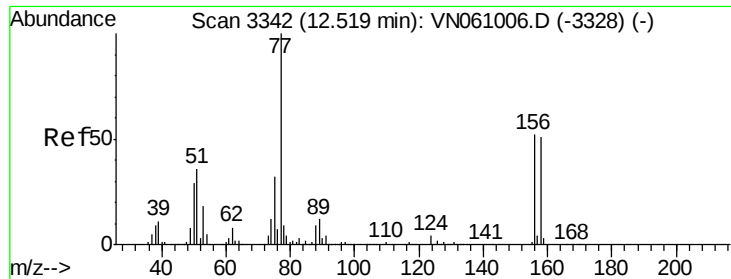
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion:	75	Resp:	45920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.356 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

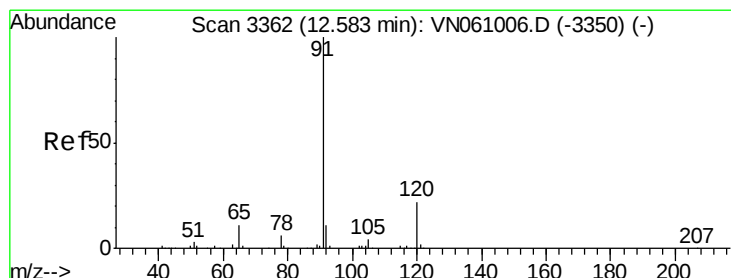
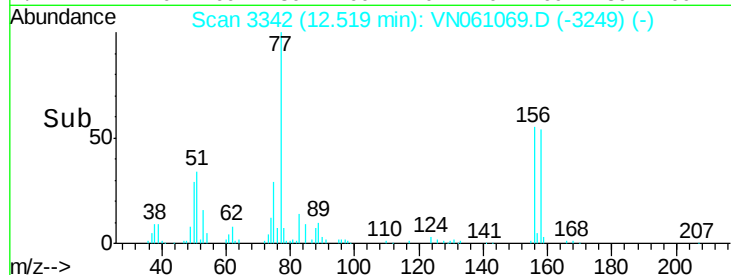
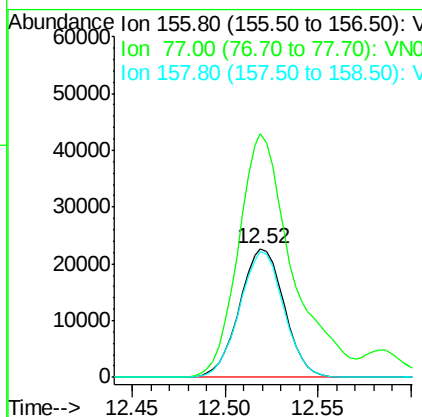
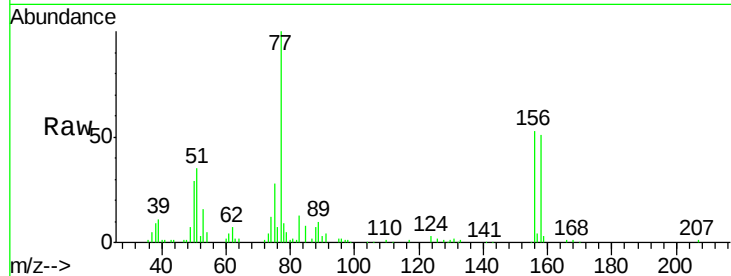
ClientSampleId :

VN0417WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.5	115.6	346.8
158	96.7	48.9	146.6

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#78

n-propylbenzene

Concen: 18.028 ug/l

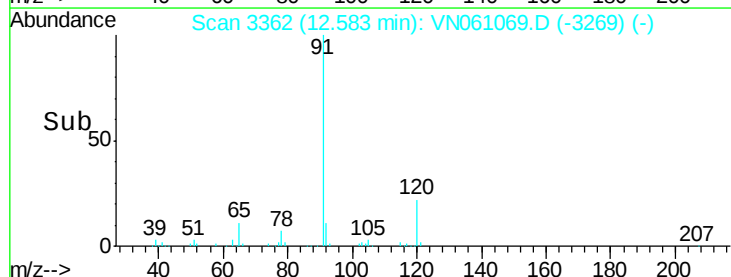
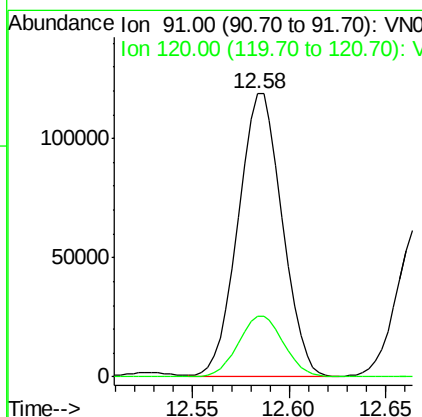
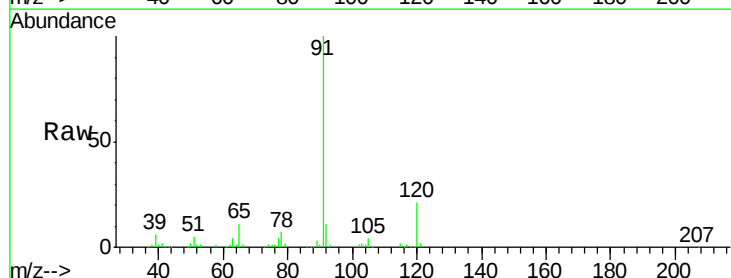
RT: 12.58 min Scan# 3362

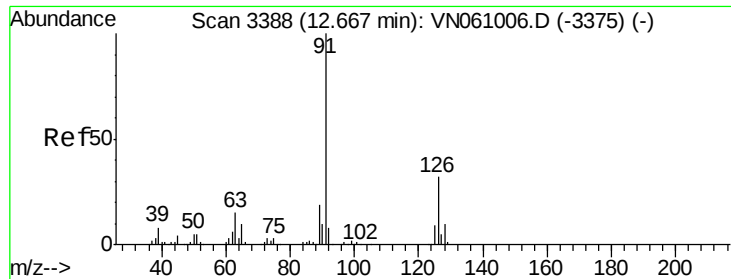
Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.9	32.7





#79

2-Chlorotoluene

Concen: 18.335 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN061069.D

Acq: 17 Apr 2020 22:57

Instrument :

MSVOA_N

ClientSampled :

VN0417WBS02

Tot Ion: 91 Resp: 111794

Ion Ratio Lower Upper

91 100

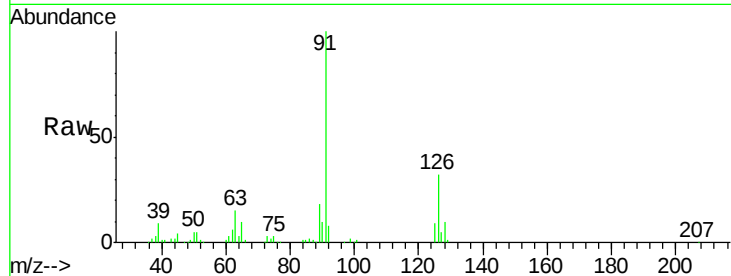
126 31.5 16.1 48.2

Manual Integrations

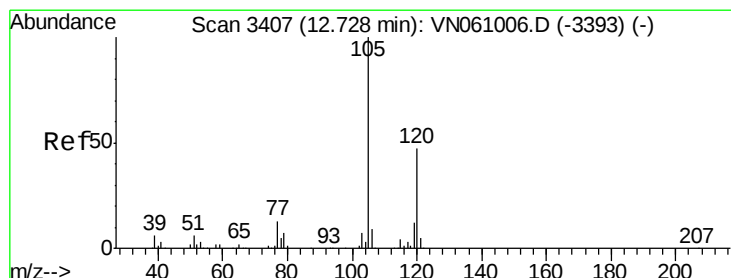
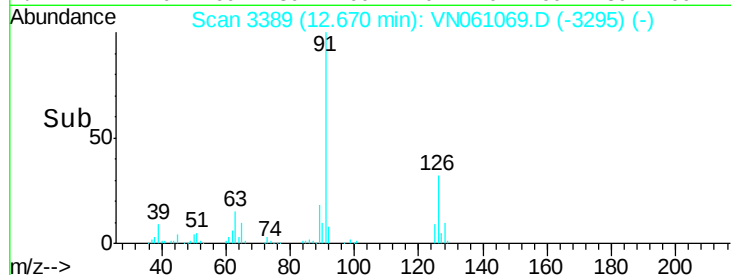
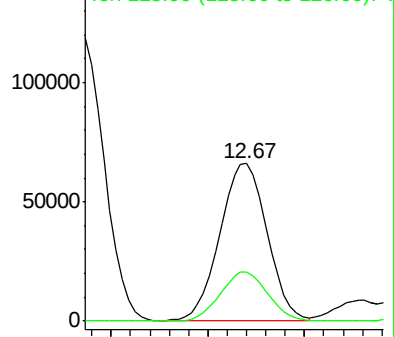
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Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.470 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061069.D

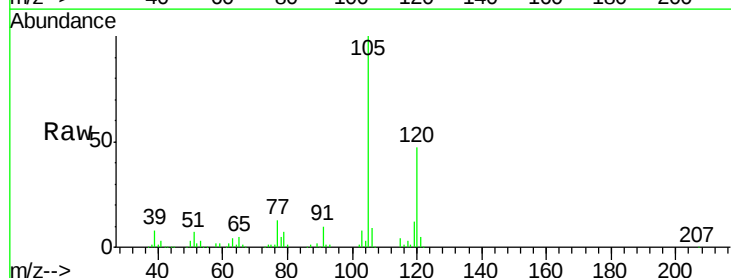
Acq: 17 Apr 2020 22:57

Tgt Ion: 105 Resp: 135654

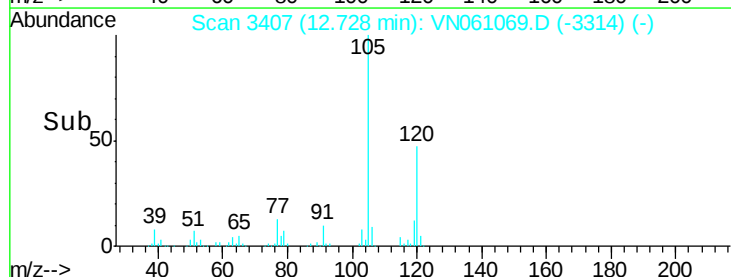
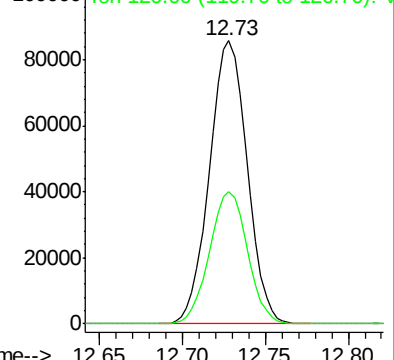
Ion Ratio Lower Upper

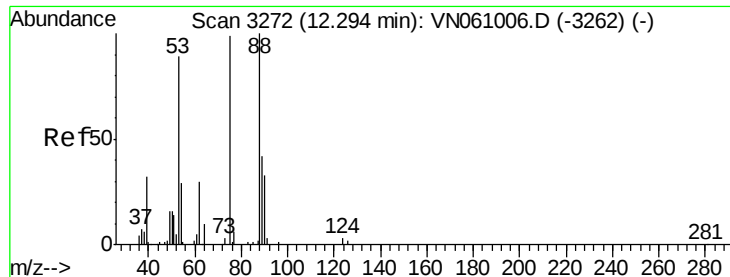
105 100

120 46.9 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)





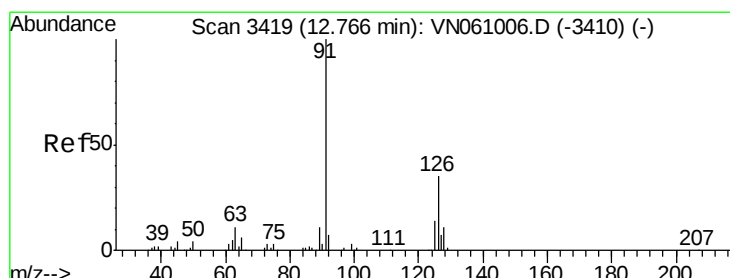
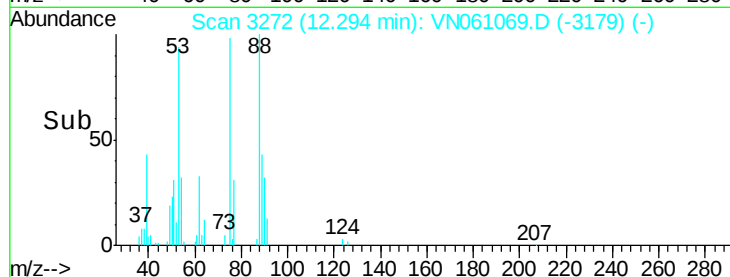
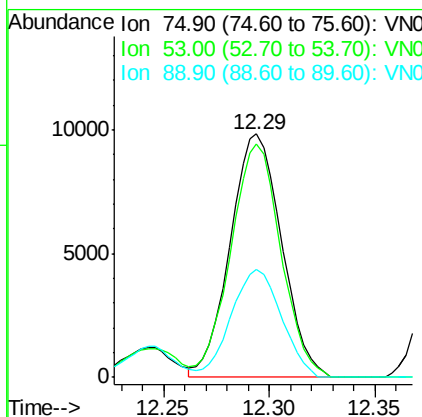
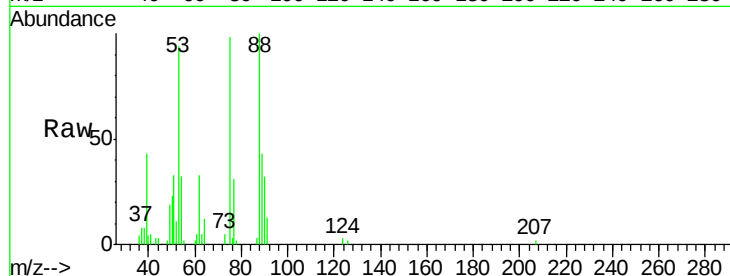
#81
trans-1,4-Dichloro-2-butene
Concen: 16.816 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	74.7	112.1
89	43.4	34.6	52.0

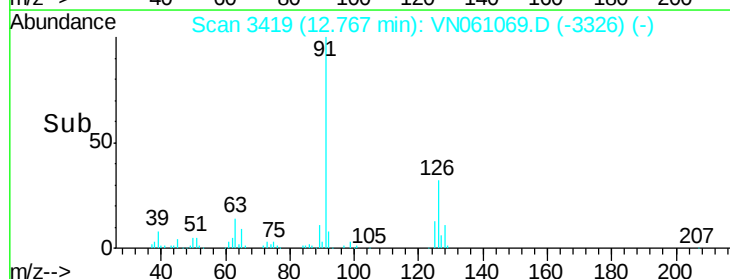
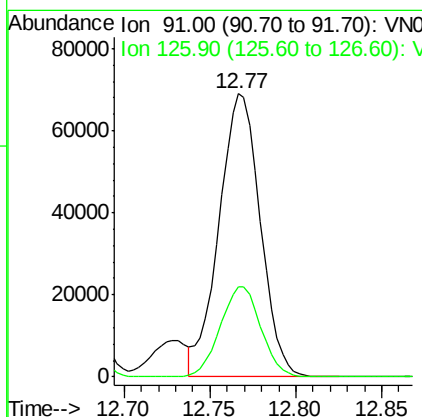
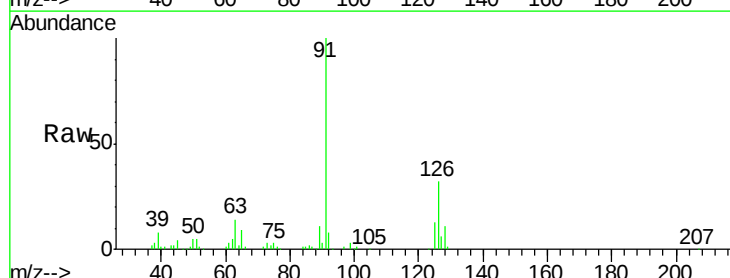
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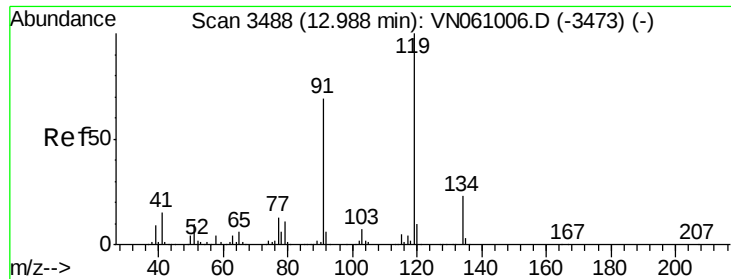
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#82
4-Chlorotoluene
Concen: 18.293 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





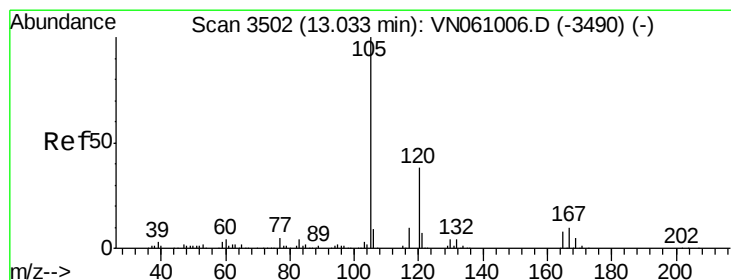
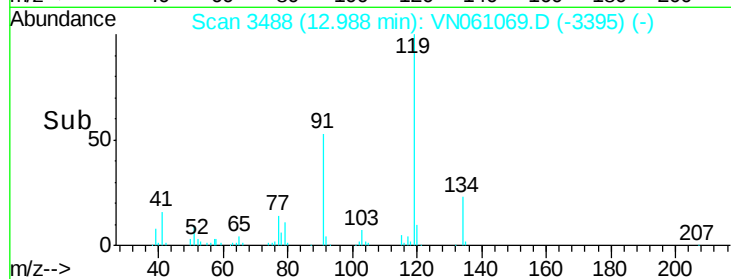
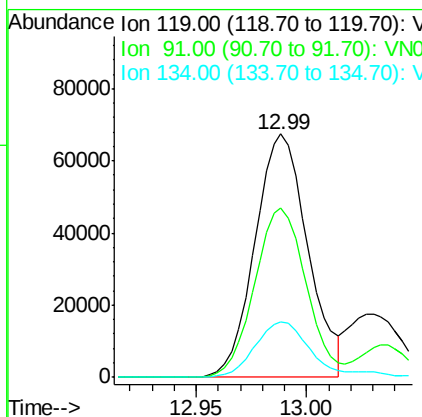
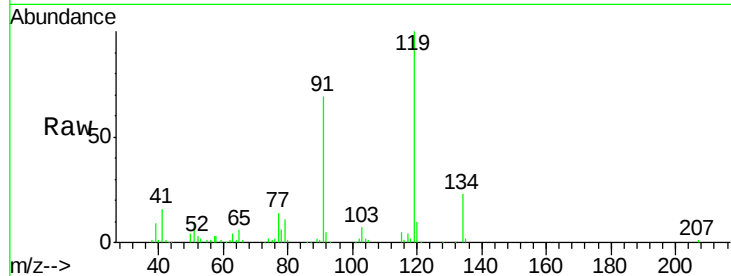
#83
tert-Butylbenzene
Concen: 18.102 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111812		
91	68.2	34.1	102.3	
134	23.4	12.4	37.2	

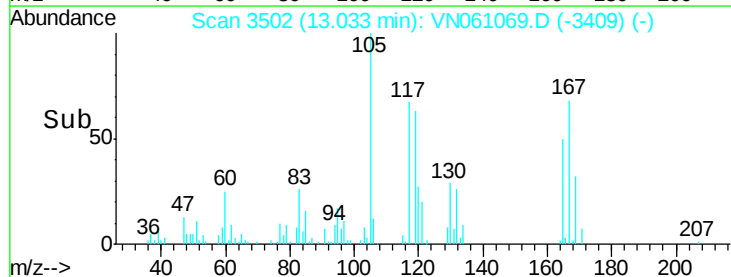
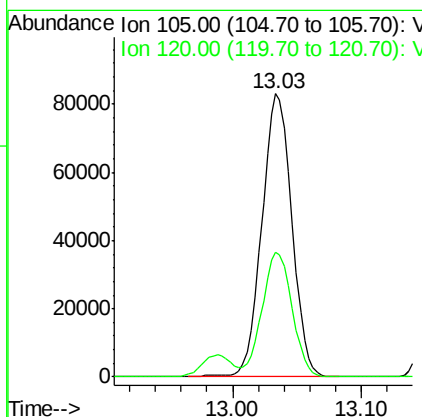
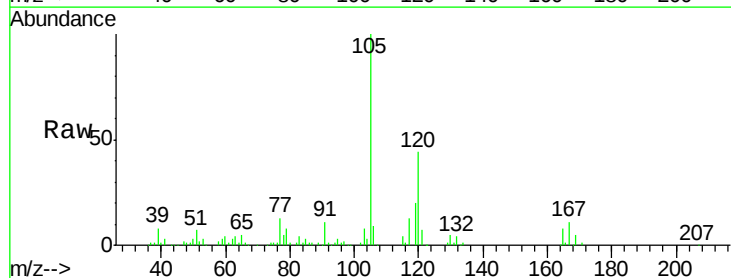
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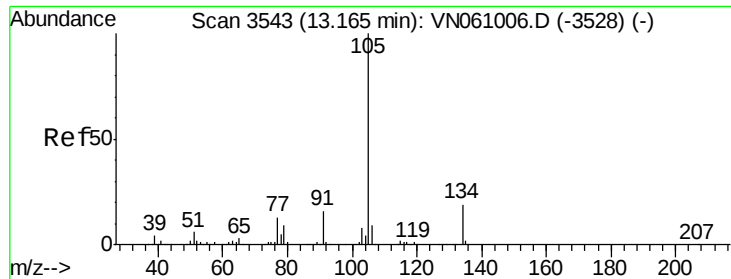
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#84
1,2,4-Trimethylbenzene
Concen: 18.521 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	134459		
120	44.3	22.1	66.5	





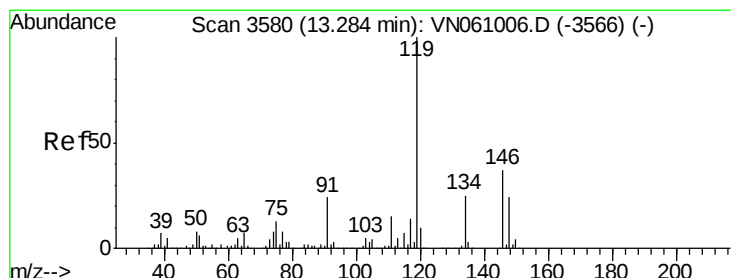
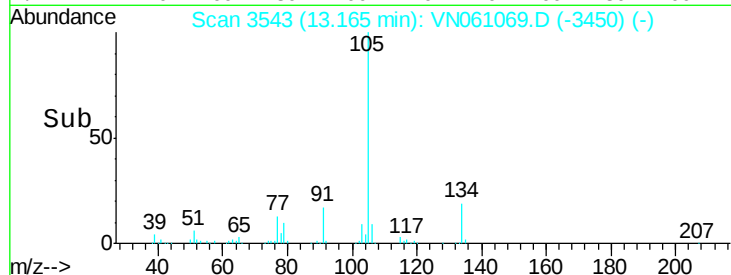
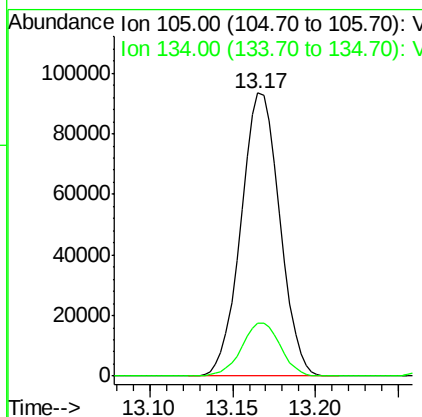
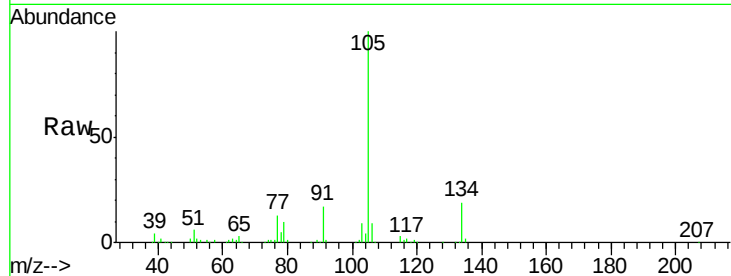
#85
 sec-Butylbenzene
 Concen: 18.140 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	151817		
134	18.7	9.5	28.5	

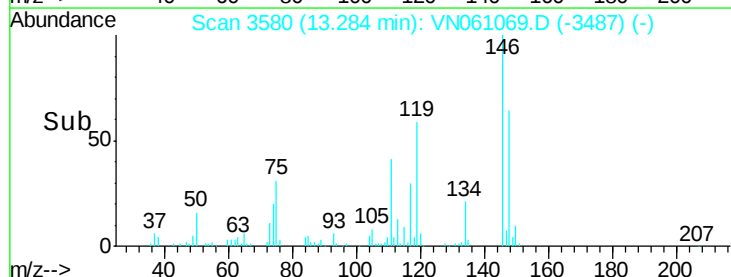
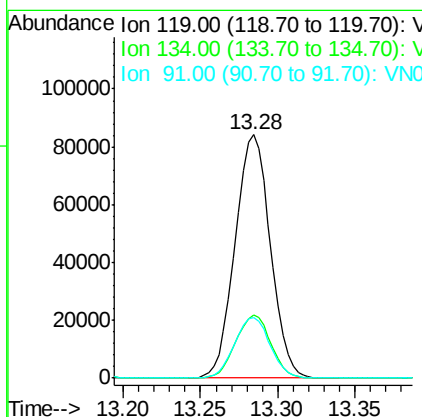
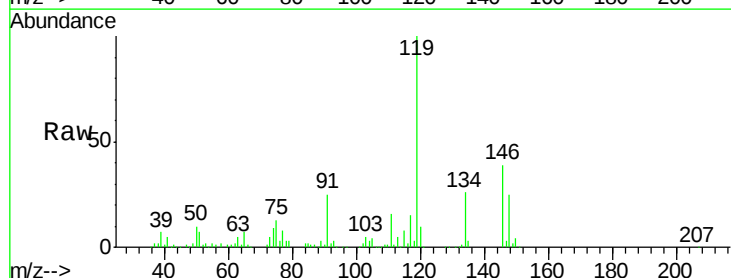
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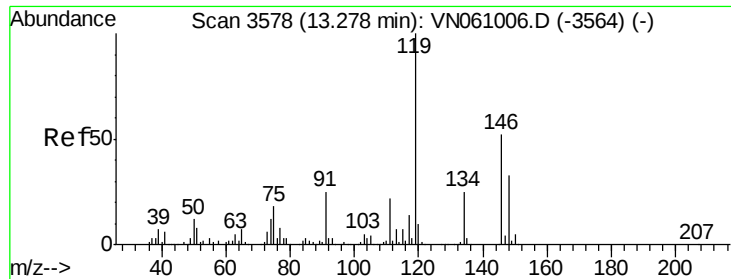
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#86
 p-Isopropyltoluene
 Concen: 17.854 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	133055		
134	25.8	12.8	38.4	
91	25.2	12.3	36.8	





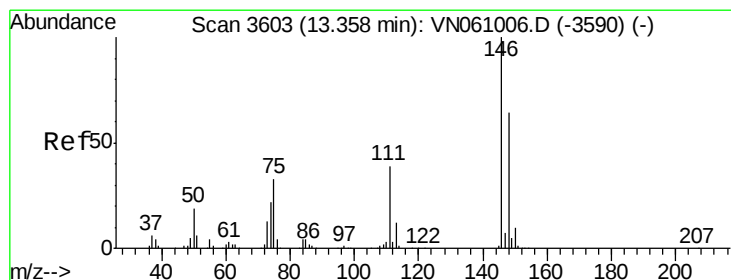
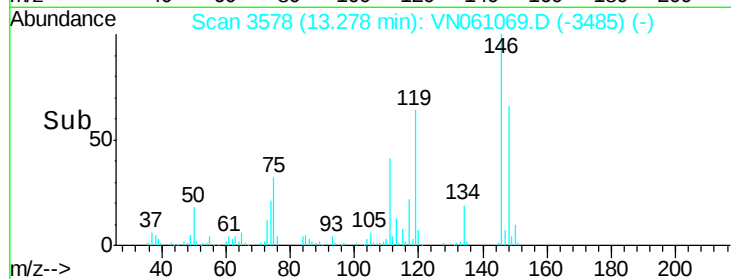
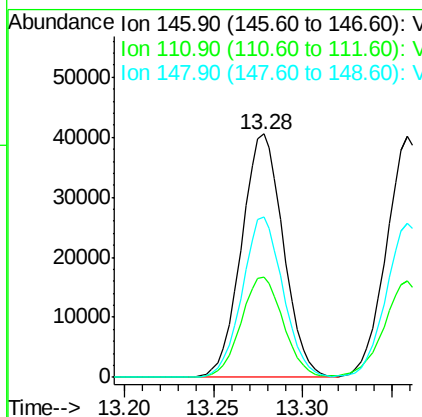
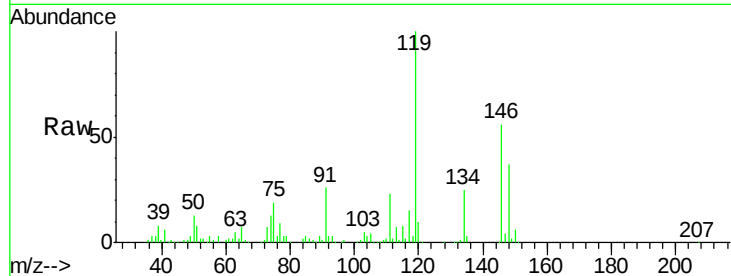
#87
 1,3-Dichlorobenzene
 Concen: 17.999 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	64.1	31.8	95.3

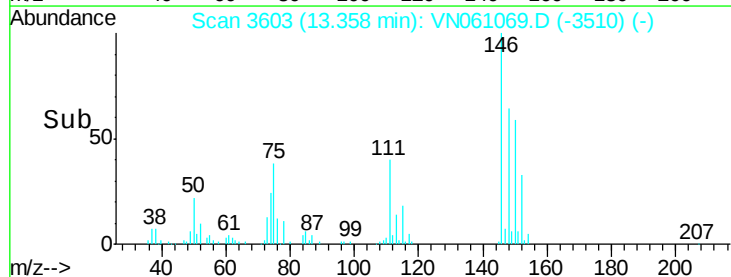
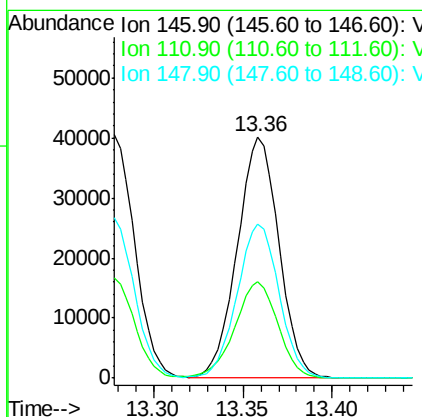
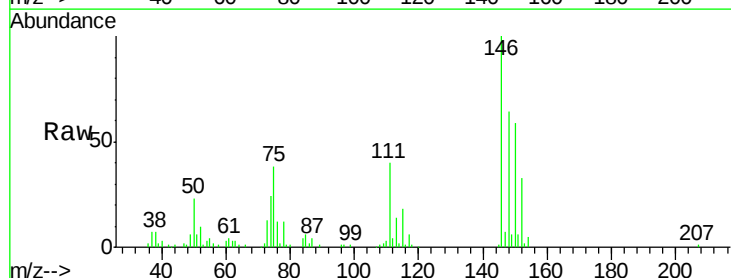
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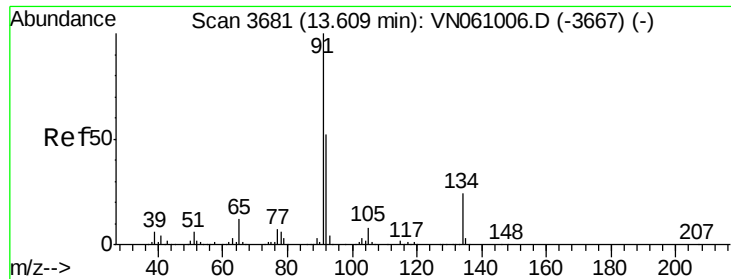
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#88
 1,4-Dichlorobenzene
 Concen: 17.579 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.3
148	64.5	32.1	96.3





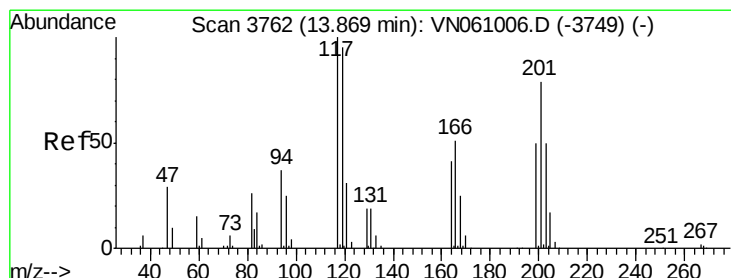
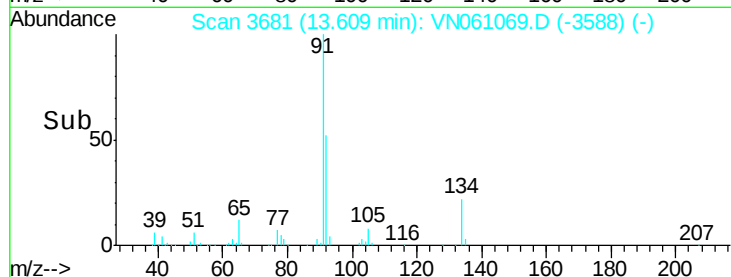
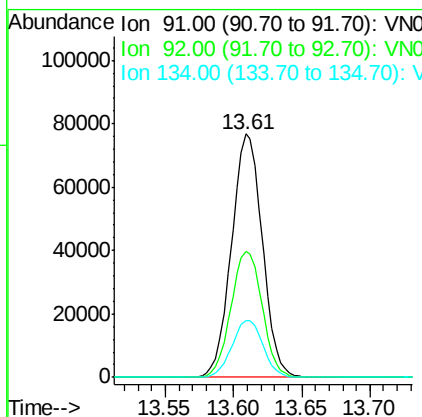
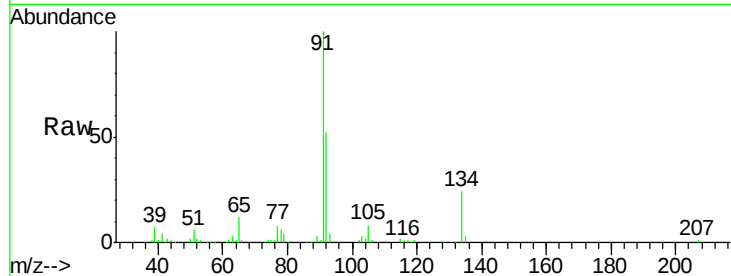
#89
n-Butylbenzene
Concen: 17.367 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	23.6	12.3	36.8

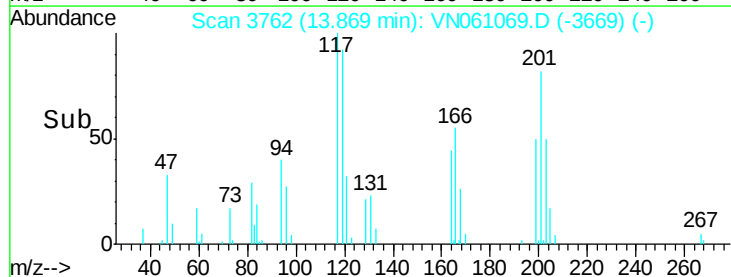
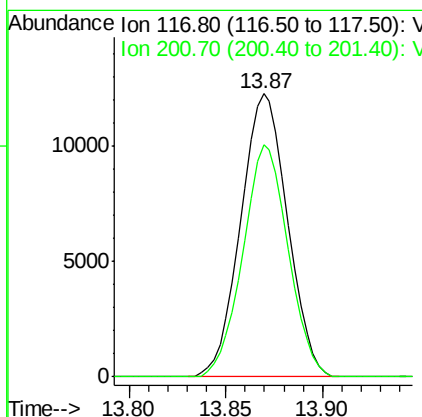
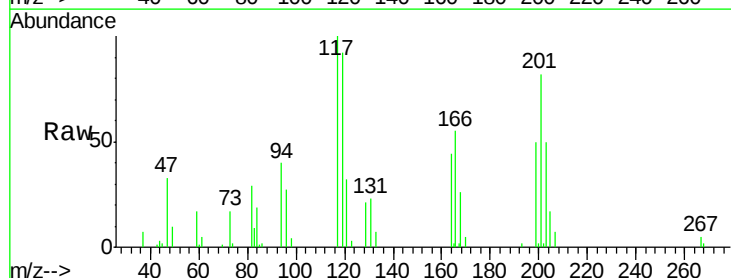
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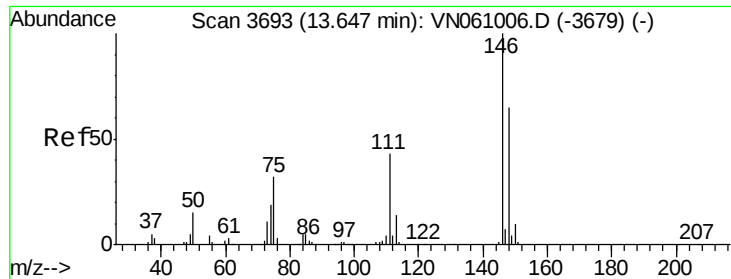
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#90
Hexachloroethane
Concen: 18.016 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.2	39.3	117.9





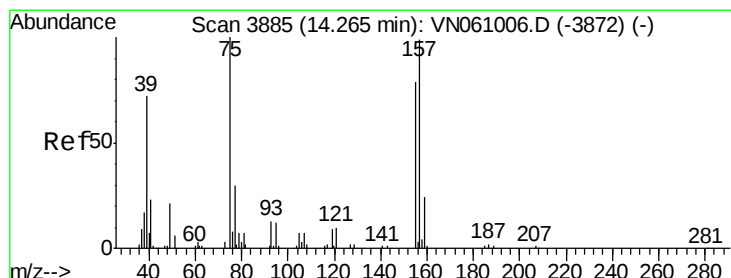
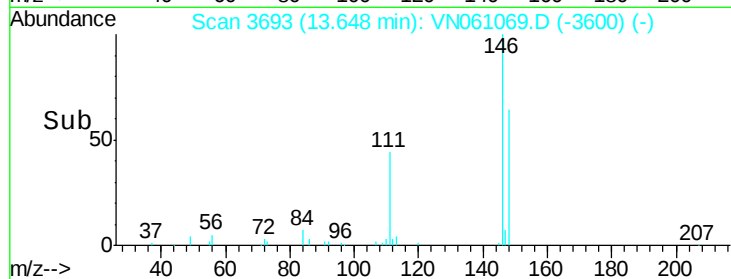
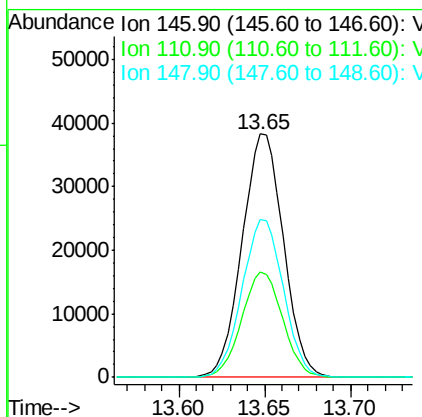
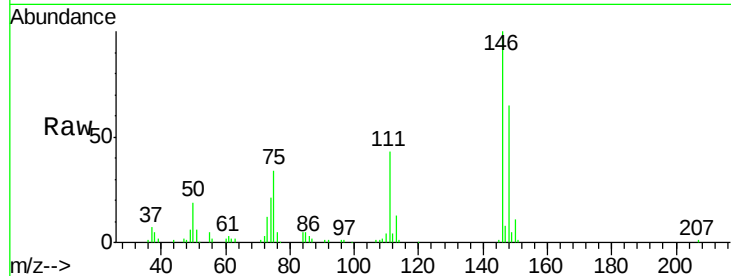
#91
 1,2-Dichlorobenzene
 Concen: 18.174 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	64.0
148	64.5	32.0	96.0

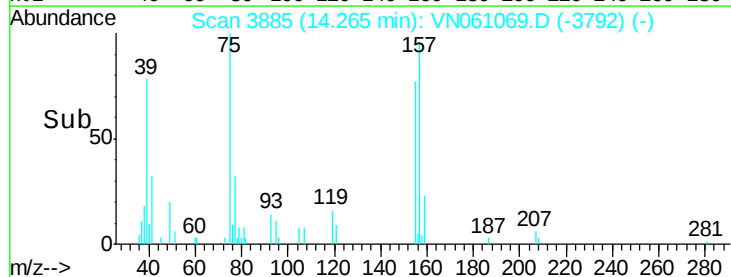
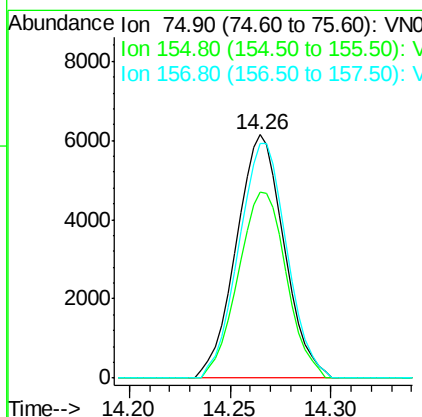
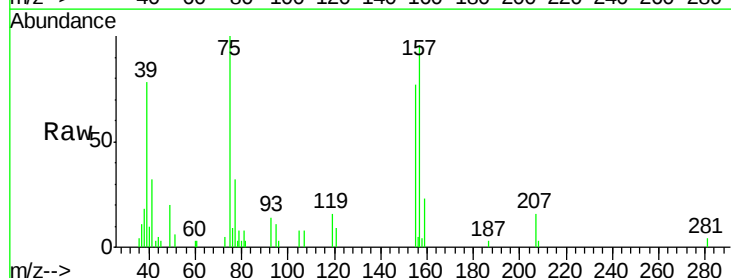
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.446 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	39.5	118.5
157	96.9	50.1	150.4





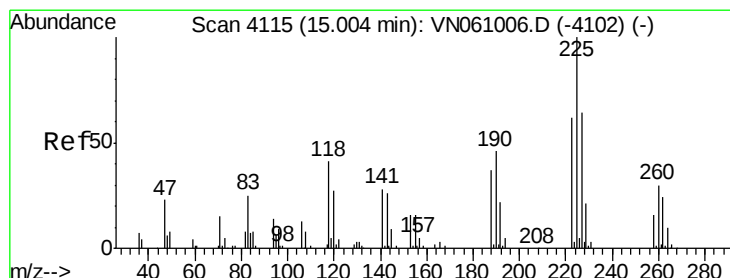
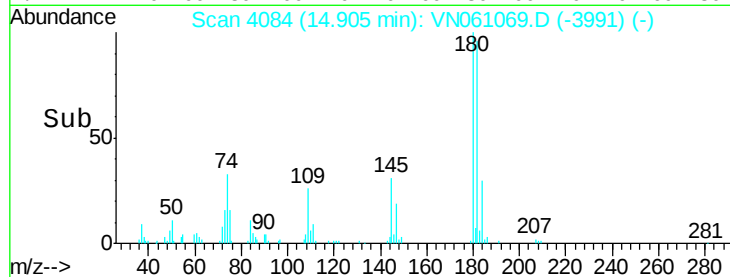
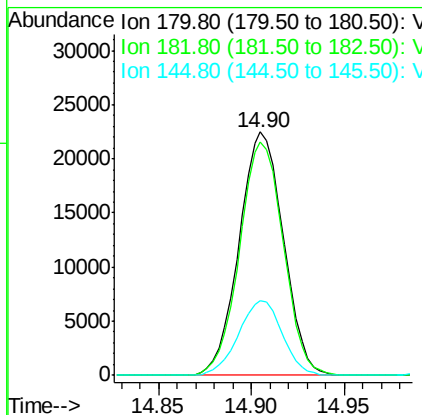
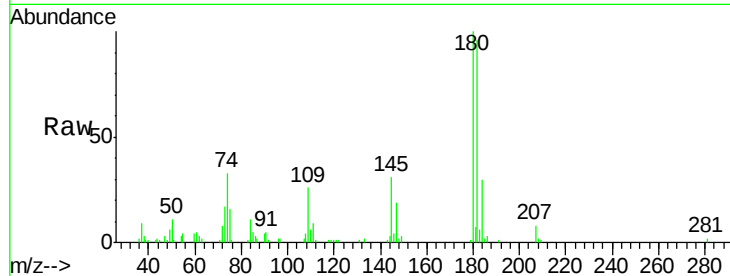
#93
 1,2,4-Trichlorobenzene
 Concen: 17.838 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0417WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.3	15.3	45.8

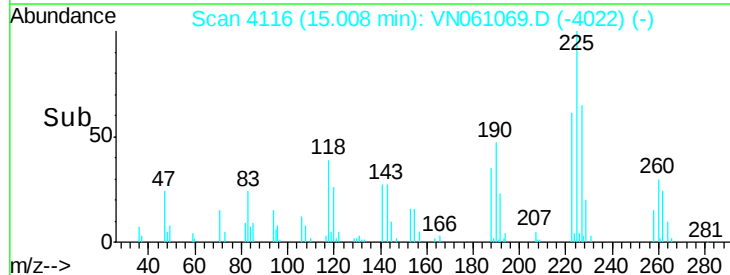
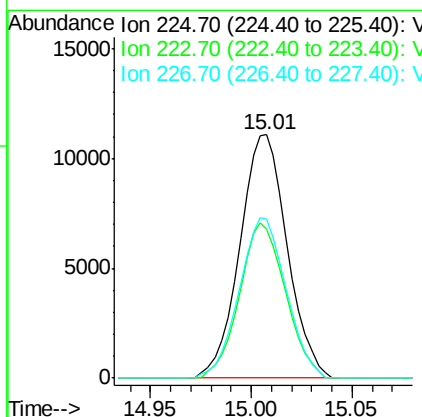
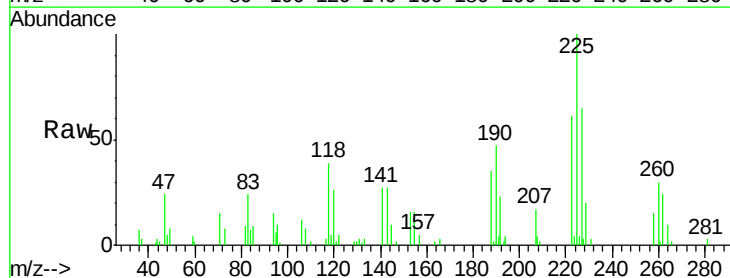
Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:21 AM



#94
 Hexachlorobutadiene
 Concen: 16.899 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN061069.D
 Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.3	93.8
227	65.3	31.9	95.5





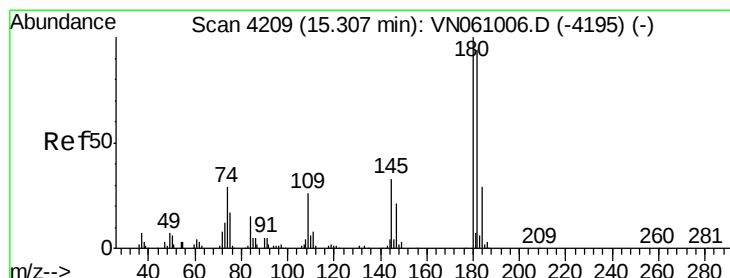
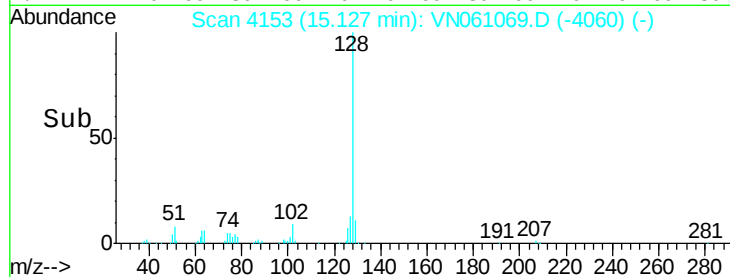
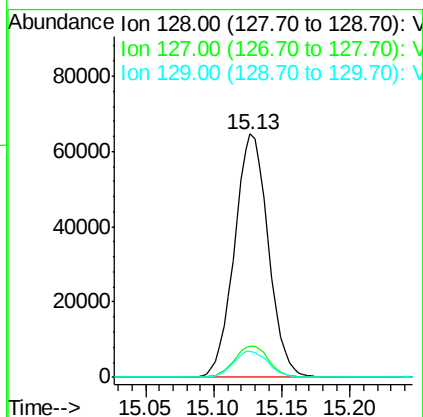
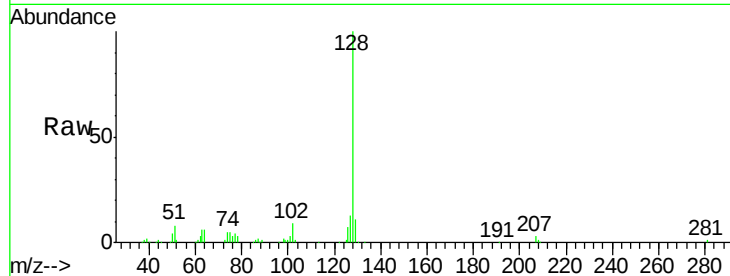
#95
Naphthalene
Concen: 18.272 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Instrument :
MSVOA_N
ClientSampleId :
VN0417WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:21:21 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.180 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061069.D
Acq: 17 Apr 2020 22:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.6	142.8
145	32.3	16.4	49.2

