

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051120\
 Data File : VN061385.D
 Acq On : 11 May 2020 13:22
 Operator : JC/MD
 Sample : VN0511WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Manual Integrations
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sam
 5/12/2020 3:34:07 PM

Quant Time: May 12 09:05:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	183258	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	172291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	86212	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
35) Dibromofluoromethane	7.55	113	54318	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.06	98	226279	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.38	95	85302	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	19821	17.756	ug/l	98
3) Chloromethane	2.03	50	27549	20.377	ug/l	99
4) Vinyl Chloride	2.16	62	29412	19.154	ug/l	99
5) Bromomethane	2.54	94	12423	16.367	ug/l	98
6) Chloroethane	2.67	64	18190	18.689	ug/l	97
7) Trichlorofluoromethane	2.98	101	38402	22.166	ug/l	97
8) Diethyl Ether	3.37	74	15463	21.399	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	22774	20.405	ug/l	99
10) Methyl Iodide	3.91	142	24093	16.797	ug/l	98
11) Tert butyl alcohol	4.73	59	19215	86.116	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	21083	18.982	ug/l	95
13) Acrolein	3.57	56	8013	53.889	ug/l	99
14) Allyl chloride	4.28	41	45601	22.143	ug/l	99
15) Acrylonitrile	4.93	53	68226	99.608	ug/l	98
16) Acetone	3.77	43	63615	95.334	ug/l	97
17) Carbon Disulfide	4.01	76	53245	17.355	ug/l	100
18) Methyl Acetate	4.28	43	37614	18.325	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	83908	19.771	ug/l	98
20) Methylene Chloride	4.51	84	25253	19.443	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	22673	18.747	ug/l	97
22) Diisopropyl ether	5.90	45	98873	20.704	ug/l	96
23) Vinyl Acetate	5.84	43	377062	98.062	ug/l	99
24) 1,1-Dichloroethane	5.80	63	50230	20.131	ug/l	99
25) 2-Butanone	6.79	43	93591	94.956	ug/l	98
26) 2,2-Dichloropropane	6.78	77	43750	20.817	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	27027	19.043	ug/l	96
28) Bromochloromethane	7.15	49	25490	21.554	ug/l	95
29) Tetrahydrofuran	7.17	42	63579	95.760	ug/l	98
30) Chloroform	7.33	83	48701	19.261	ug/l	94
31) Cyclohexane	7.62	56	42587	17.575	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	42148	19.142	ug/l	99
36) 1,1-Dichloropropene	7.75	75	35598	19.405	ug/l	99
37) Ethyl Acetate	6.88	43	41094	19.108	ug/l	99
38) Carbon Tetrachloride	7.73	117	30991	19.956	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	35609	17.308	ug/l	99
40) Benzene	8.00	78	104856	19.185	ug/l	100
41) Methacrylonitrile	7.12	41	17895	20.040	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	42201	20.382	ug/l	100
43) Isopropyl Acetate	8.13	43	67945	19.036	ug/l	100
44) Trichloroethene	8.80	130	26360	17.841	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28960	19.834	ug/l	100
46) Dibromomethane	9.18	93	17407	19.254	ug/l	97
47) Bromodichloromethane	9.37	83	38280	19.727	ug/l	97
48) Methyl methacrylate	9.17	41	30441	18.900	ug/l	98
49) 1,4-Dioxane	9.17	88	5559	304.060	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	205816	97.965	ug/l	100
52) Toluene	10.13	92	63776	19.373	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	42508	19.441	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	45629	19.739	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	26186	19.942	ug/l	99
56) Ethyl methacrylate	10.40	69	39788	19.167	ug/l	98
57) 1,3-Dichloropropane	10.68	76	46162	20.000	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	100174	94.249	ug/l	99
59) 2-Hexanone	10.72	43	146062	95.562	ug/l	99
60) Dibromochloromethane	10.88	129	26657	19.383	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25234	19.173	ug/l	98
64) Tetrachloroethene	10.60	164	25948	17.389	ug/l	98
65) Chlorobenzene	11.41	112	66144	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	24173	19.762	ug/l	98
67) Ethyl Benzene	11.48	91	124040	19.388	ug/l	100
68) m/p-Xylenes	11.60	106	89219	38.098	ug/l	97
69) o-Xylene	11.92	106	44921	19.970	ug/l	99
70) Styrene	11.94	104	73379	19.490	ug/l	100
71) Bromoform	12.10	173	16866	18.761	ug/l #	93
73) Isopropylbenzene	12.23	105	118999	20.174	ug/l	98
74) N-amyl acetate	12.05	43	56957	19.069	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	38122	20.727	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	33162m	19.604	ug/l	
77) Bromobenzene	12.50	156	25835	18.973	ug/l	94
78) n-propylbenzene	12.57	91	141839	20.273	ug/l	99
79) 2-Chlorotoluene	12.65	91	83580	20.324	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	98776	20.233	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	12936	19.420	ug/l	98
82) 4-Chlorotoluene	12.75	91	84905	19.589	ug/l	100
83) tert-Butylbenzene	12.97	119	82687	20.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	97677	19.420	ug/l	97
85) sec-Butylbenzene	13.15	105	111319	19.834	ug/l	100
86) p-Isopropyltoluene	13.26	119	100005	19.777	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	50392	20.103	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	48372	18.886	ug/l	95
89) n-Butylbenzene	13.59	91	92750	20.008	ug/l	99
90) Hexachloroethane	13.85	117	12883m	28.326	ug/l	
91) 1,2-Dichlorobenzene	13.63	146	47271	19.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7869	20.257	ug/l	99

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ClientSampleId :
VN0511WBSD01

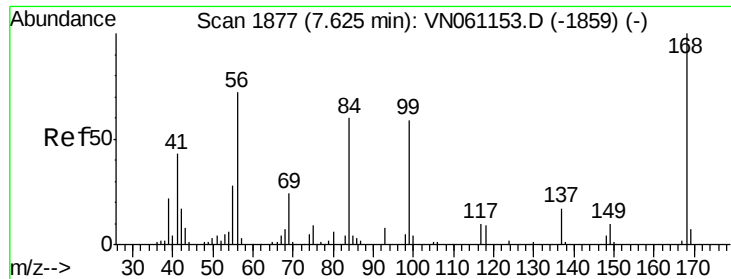
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	28501	19.473	ug/l	99
94) Hexachlorobutadiene	14.99	225	12490	20.427	ug/l	98
95) Naphthalene	15.10	128	92845	19.478	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	28087	19.437	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061385.D

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ClientSampleId :

VN0511WBSD01

Tot Ion:168 Resp: 105268

Ion Ratio Lower Upper

168 100

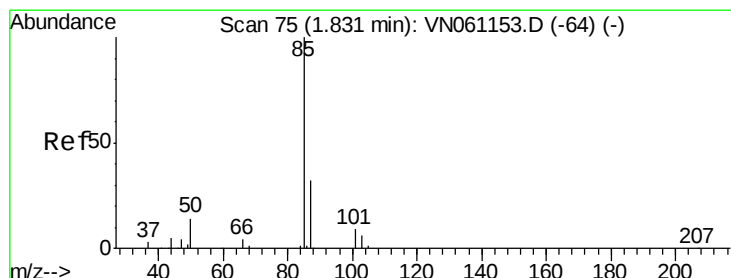
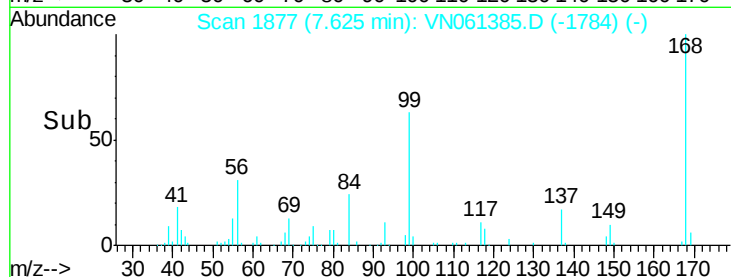
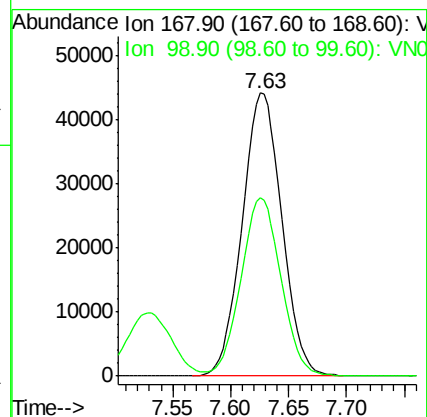
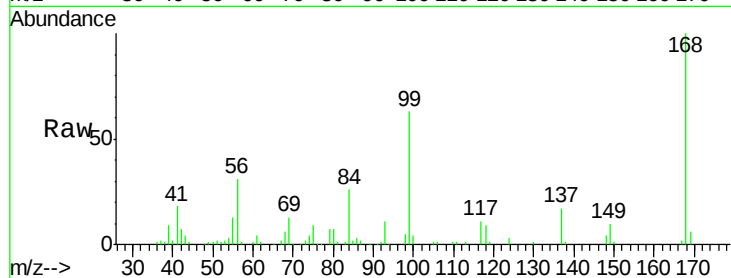
99 62.8 51.2 76.8

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#2

Dichlorodifluoromethane

Concen: 17.756 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061385.D

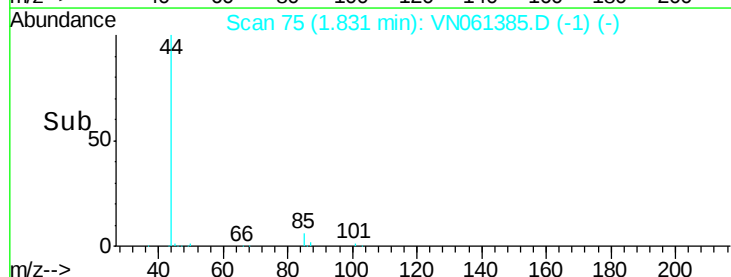
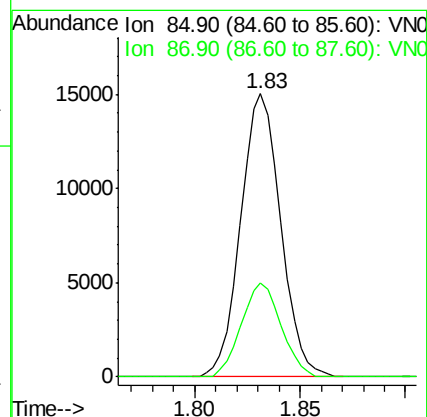
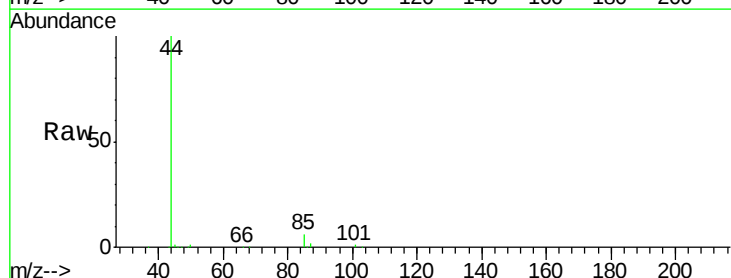
Acq: 11 May 2020 13:22

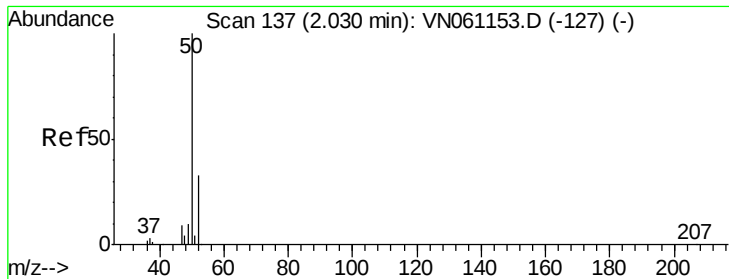
Tgt Ion: 85 Resp: 19821

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.2





#3

Chloromethane

Concen: 20.377 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion: 50 Resp: 27549

Ion Ratio Lower Upper

50 100

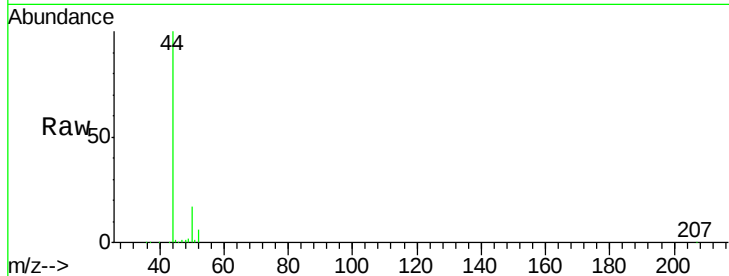
52 32.1 26.0 39.0

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

25000

20000

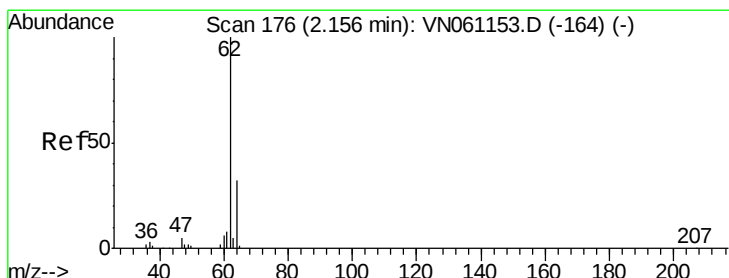
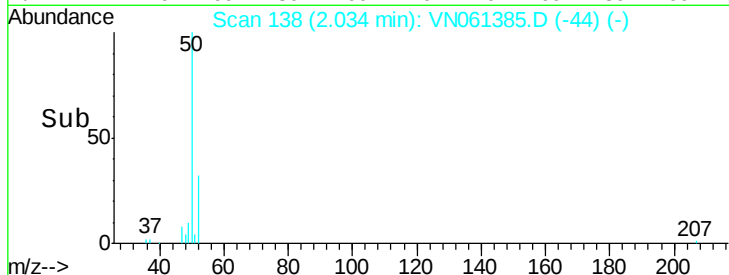
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 19.154 ug/l

RT: 2.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VN061385.D

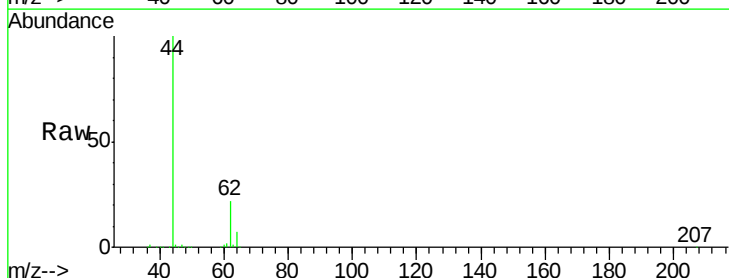
Acq: 11 May 2020 13:22

Tgt Ion: 62 Resp: 29412

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

20000

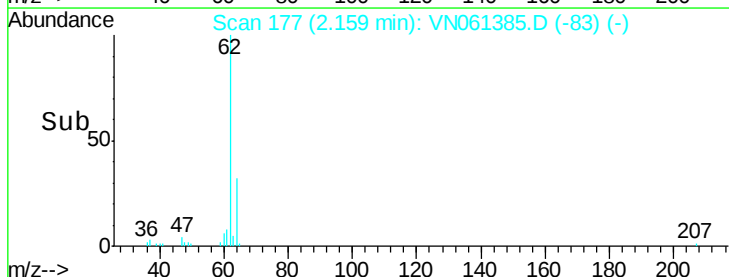
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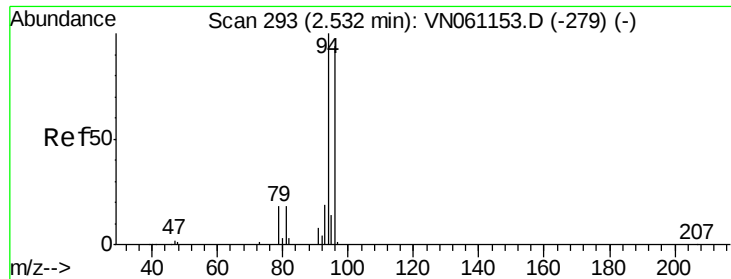
10000

5000

0

Time-->





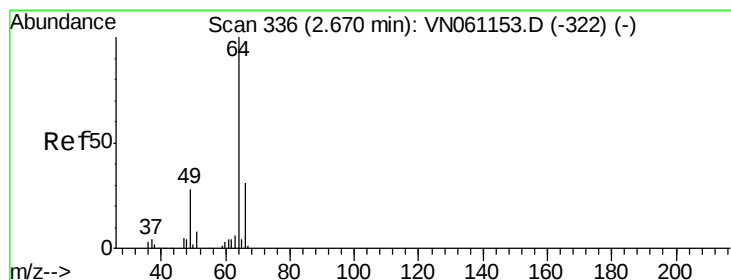
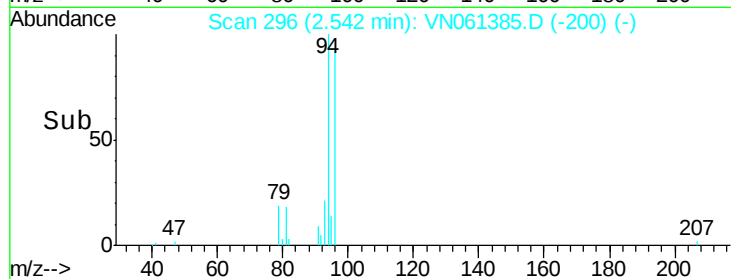
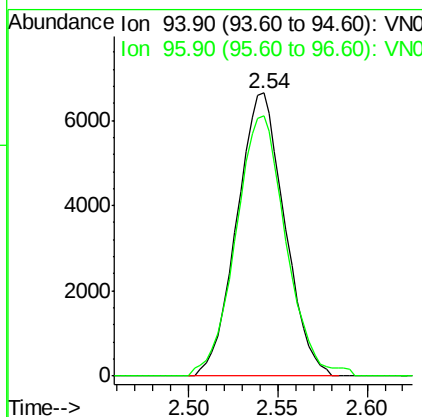
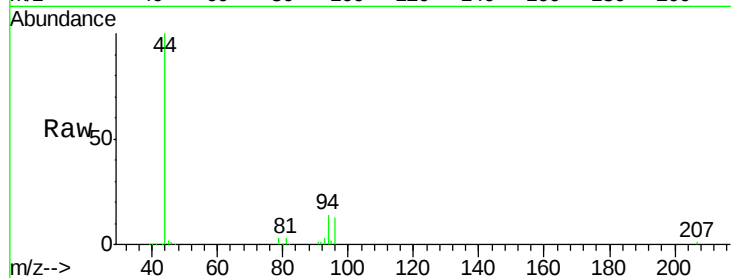
#5
Bromomethane
Concen: 16.367 ug/l
RT: 2.54 min Scan# 296
Delta R.T. 0.01 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 12423
Ion Ratio Lower Upper
94 100
96 92.1 75.1 112.7

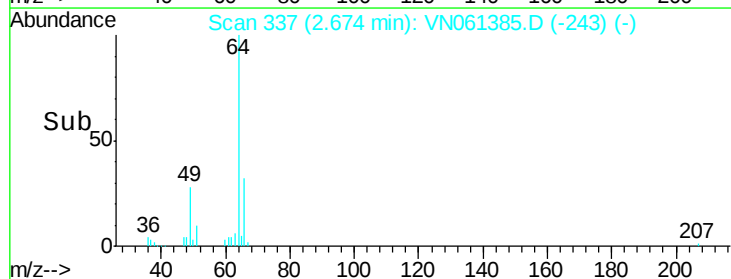
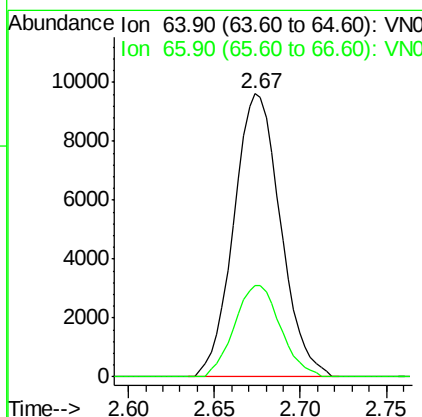
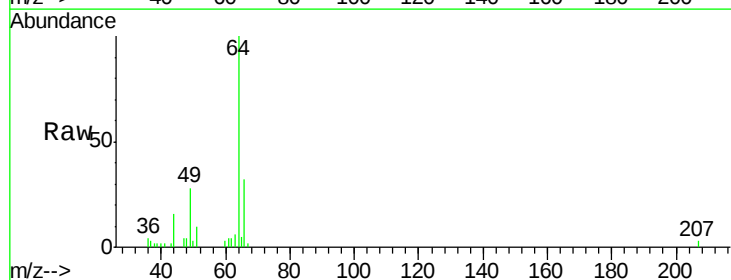
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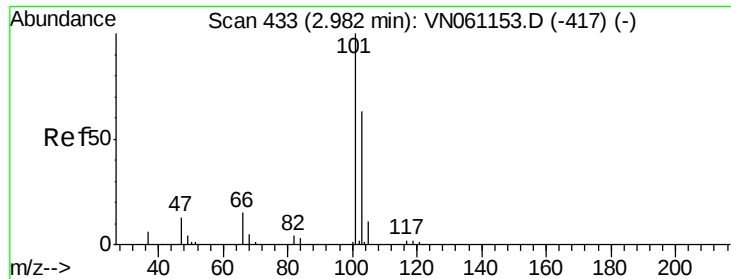
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#6
Chloroethane
Concen: 18.689 ug/l
RT: 2.67 min Scan# 337
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 64 Resp: 18190
Ion Ratio Lower Upper
64 100
66 32.2 24.6 36.8





#7

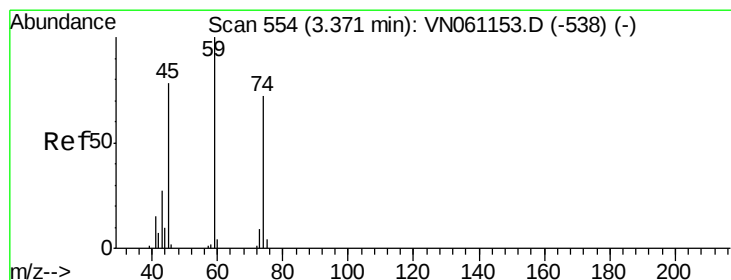
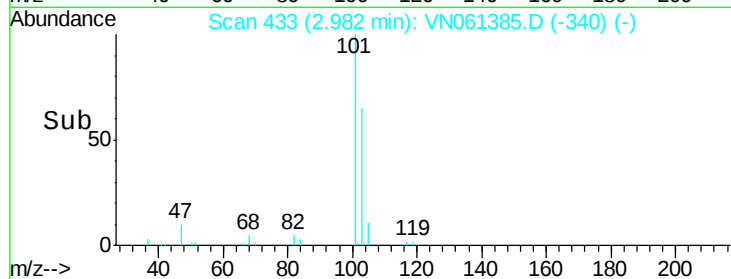
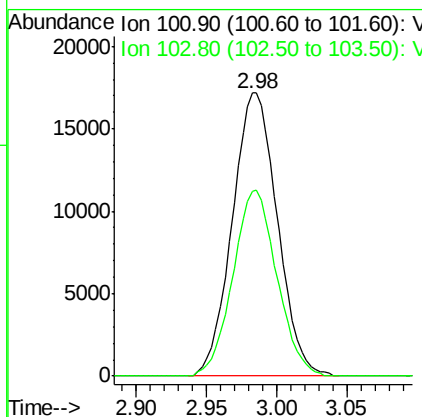
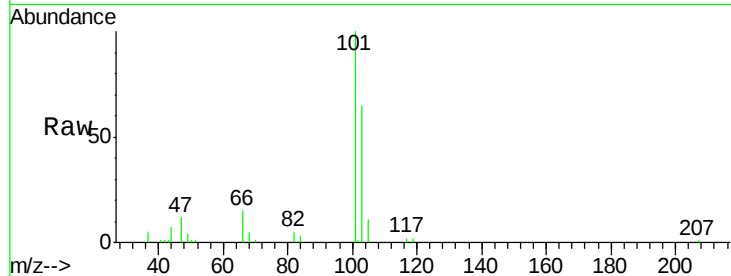
Trichlorofluoromethane
 Concen: 22.166 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
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 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.6	76.0

Manual Integrations
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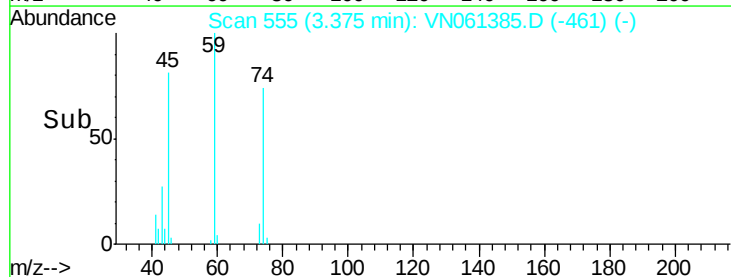
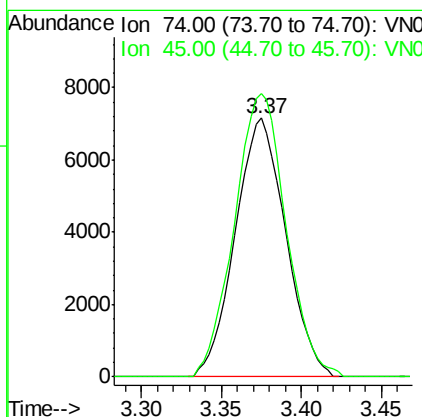
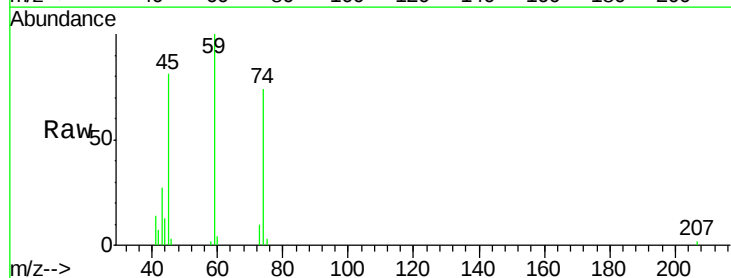
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#8

Diethyl Ether
 Concen: 21.399 ug/l
 RT: 3.37 min Scan# 555
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.0	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.405 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

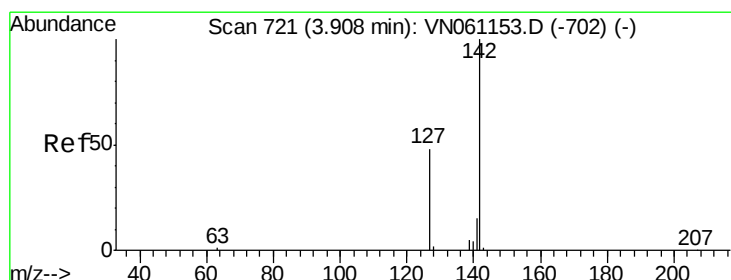
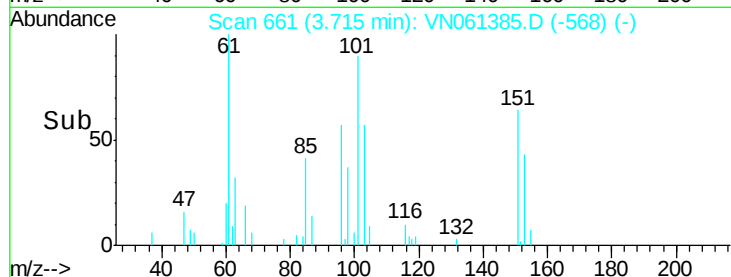
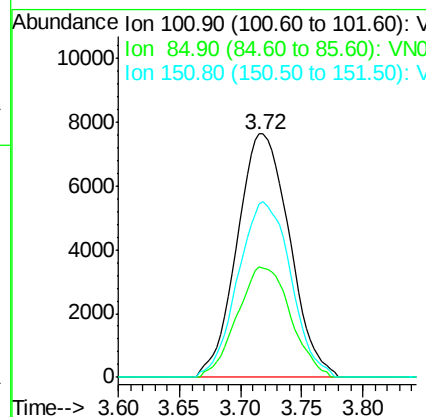
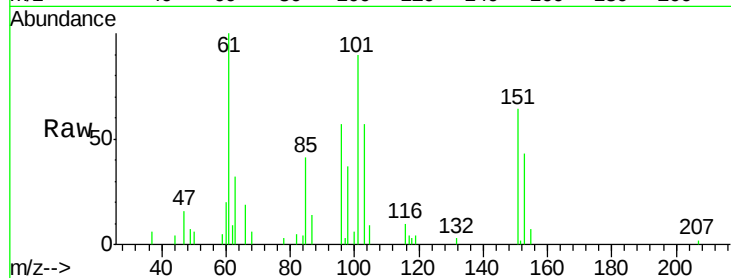
ClientSampleId :

VN0511WBSD01

Tot Ion:	101	Resp:	22774
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.2	55.8
151	72.7	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 16.797 ug/l

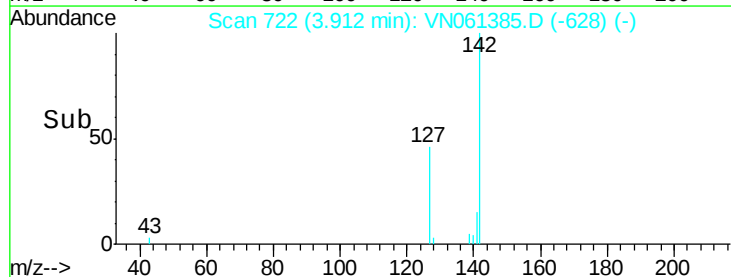
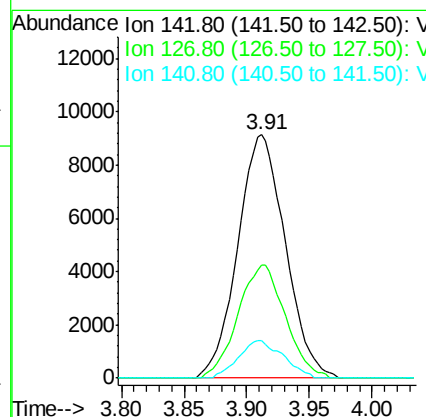
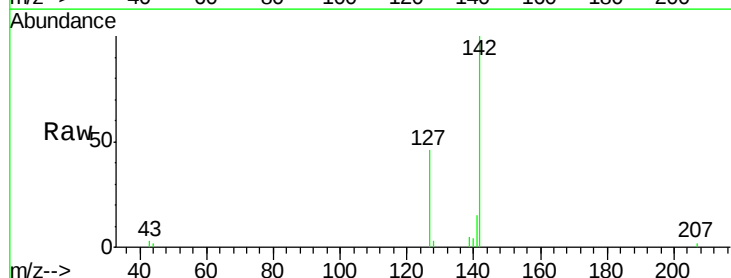
RT: 3.91 min Scan# 722

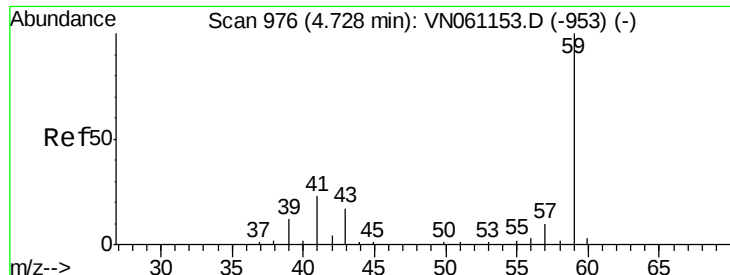
Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	142	Resp:	24093
Ion Ratio	Lower	Upper	
142	100		
127	46.3	38.0	57.0
141	14.3	11.7	17.5





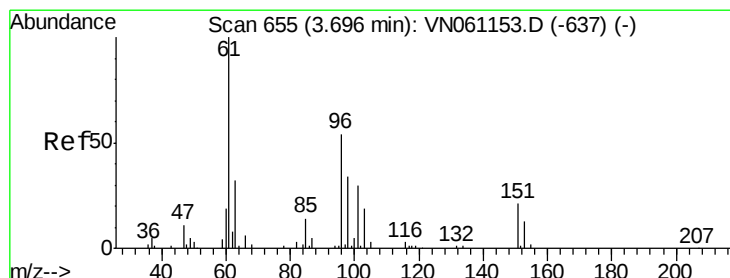
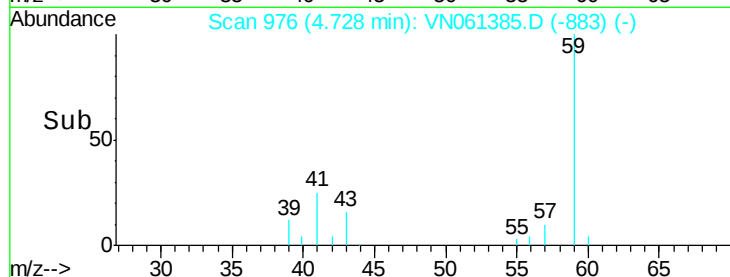
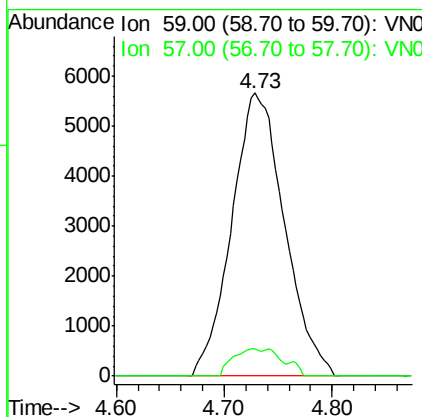
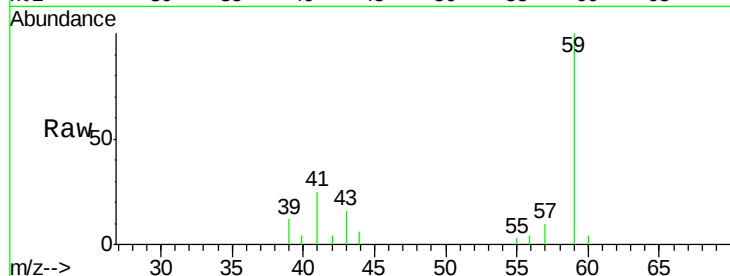
#11
Tert butyl alcohol
Concen: 86.116 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.3	12.5#

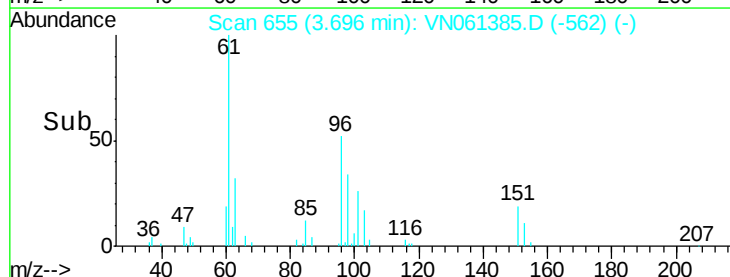
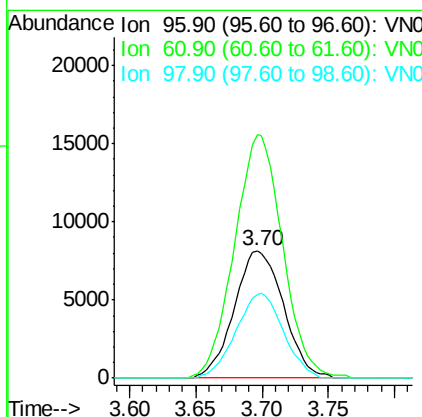
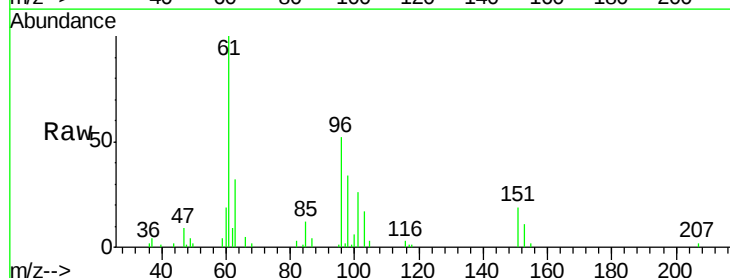
Manual Integrations
APPROVED

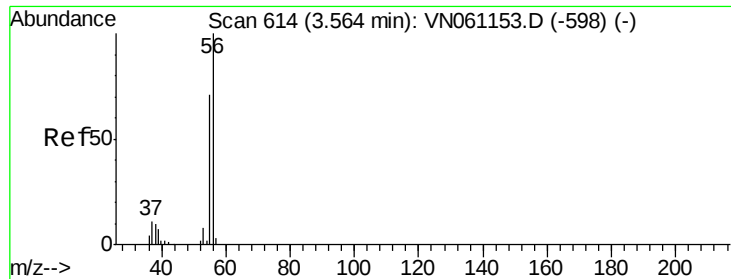
sam
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#12
1,1-Dichloroethene
Concen: 18.982 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.7	147.0	220.6
98	65.6	49.8	74.6





#13

Acrolein

Concen: 53.889 ug/l

RT: 3.57 min Scan# 616

Delta R.T. 0.01 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion: 56 Resp: 8013

Ion Ratio Lower Upper

56 100

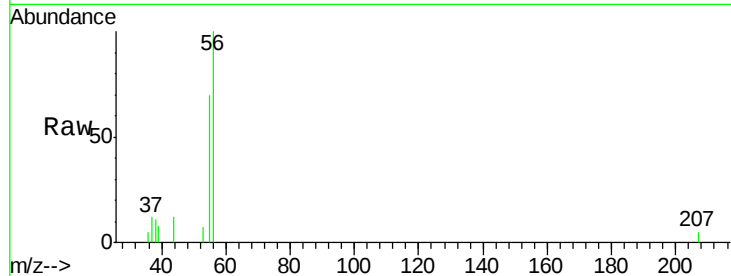
55 71.8 58.5 87.7

Manual Integrations

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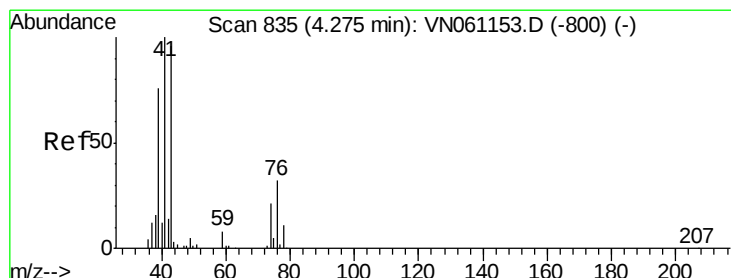
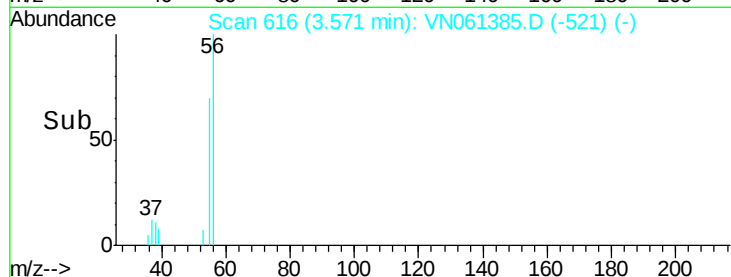
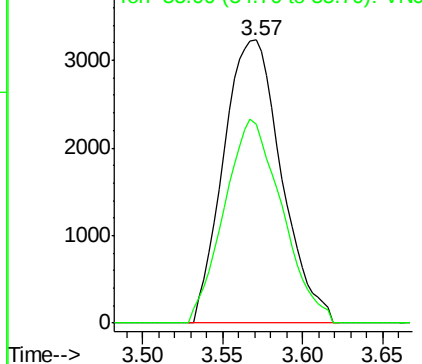
sam

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 22.143 ug/l

RT: 4.28 min Scan# 836

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

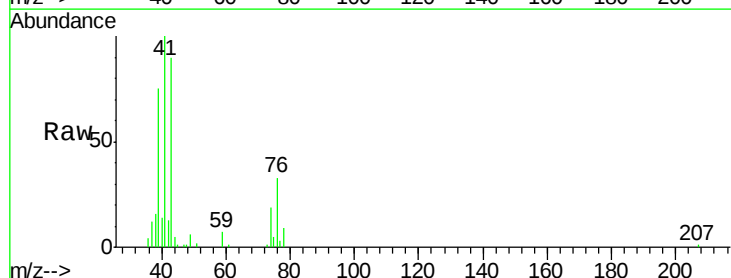
Tgt Ion: 41 Resp: 45601

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

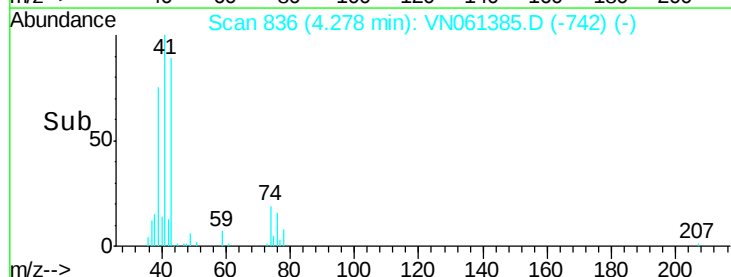
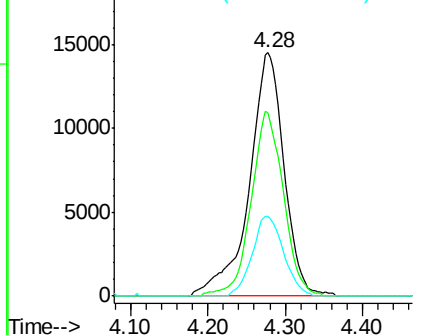
76 29.7 24.3 36.5

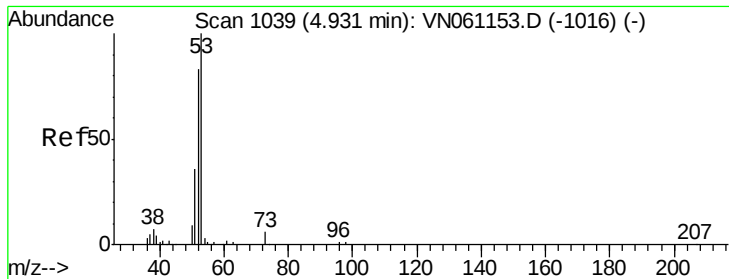


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.608 ug/l

RT: 4.93 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

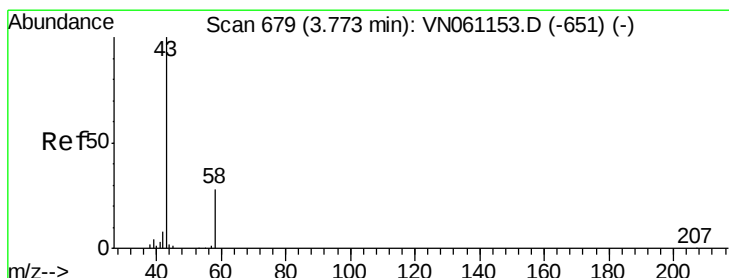
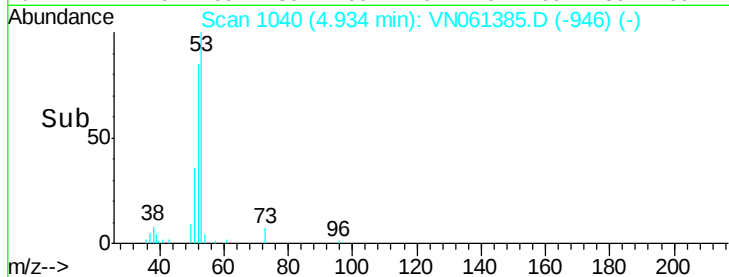
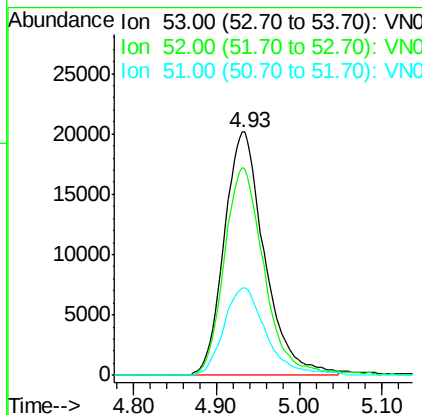
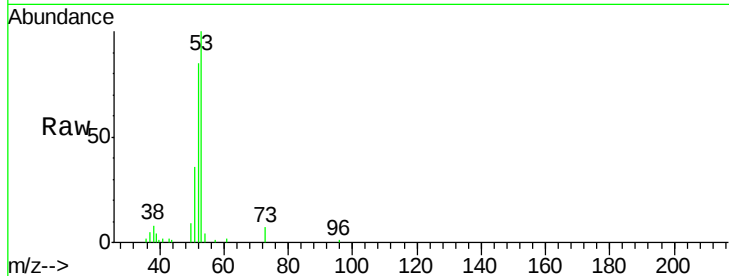
ClientSampleId :

VN0511WBSD01

Tot Ion:	53	Resp:	68226
Ion Ratio		Lower	Upper
53	100		
52	83.3	65.4	98.0
51	37.7	29.5	44.3

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#16

Acetone

Concen: 95.334 ug/l

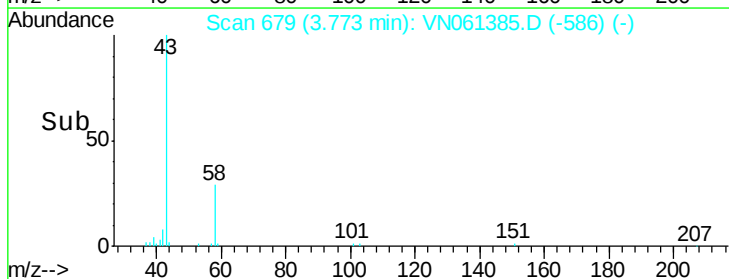
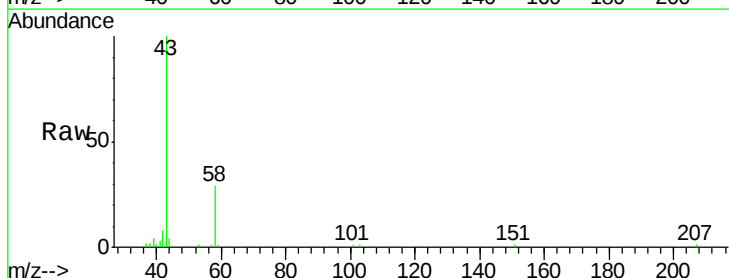
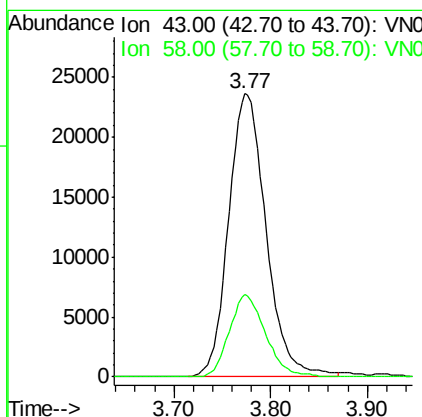
RT: 3.77 min Scan# 679

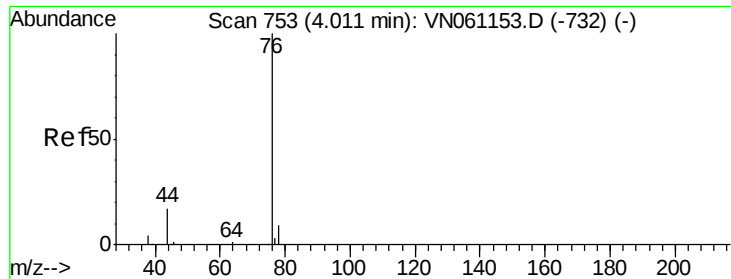
Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	43	Resp:	63615
Ion Ratio		Lower	Upper
43	100		
58	29.2	22.2	33.2





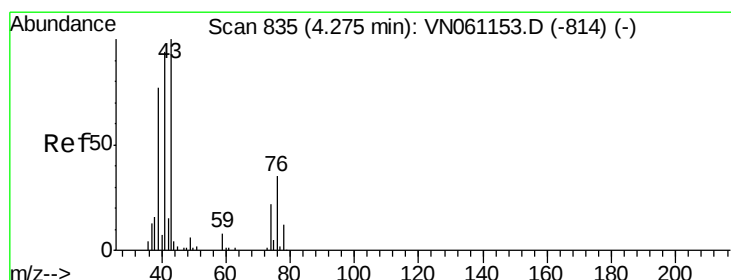
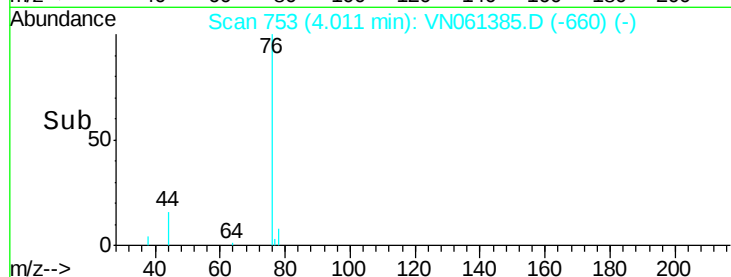
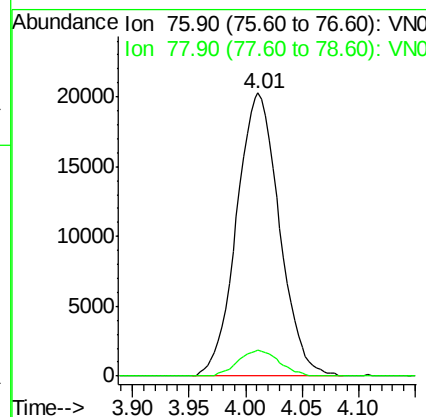
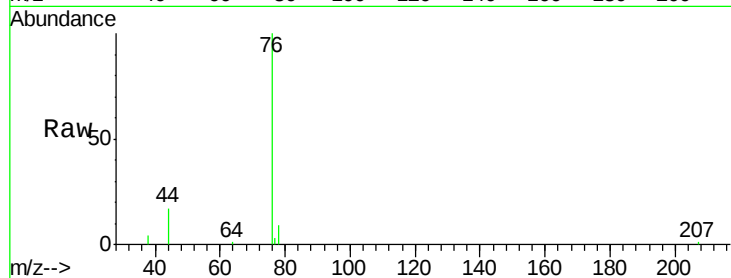
#17
Carbon Disulfide
Concen: 17.355 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

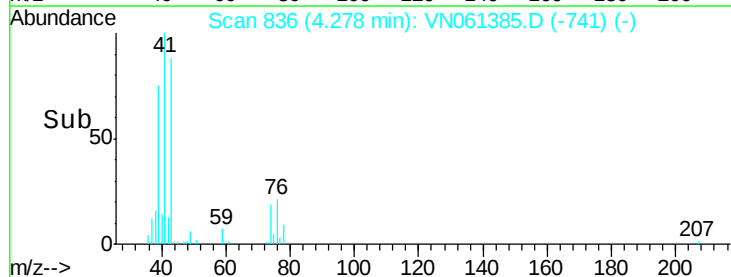
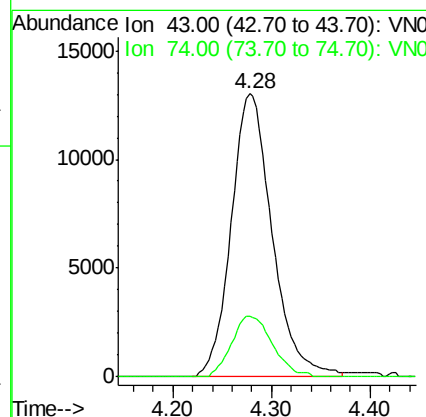
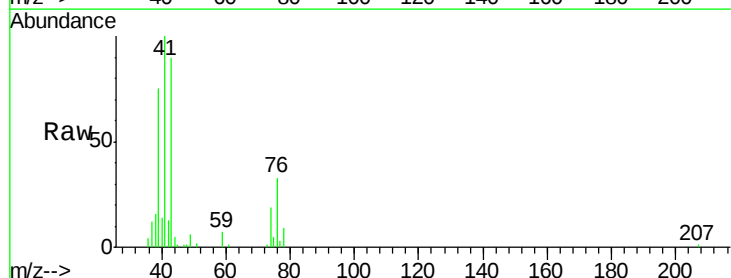
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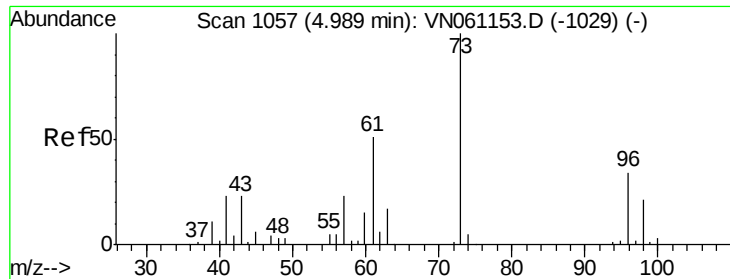
sam
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#18
Methyl Acetate
Concen: 18.325 ug/l
RT: 4.28 min Scan# 836
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.0	25.4





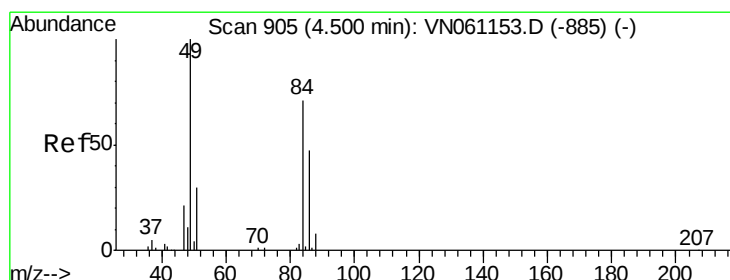
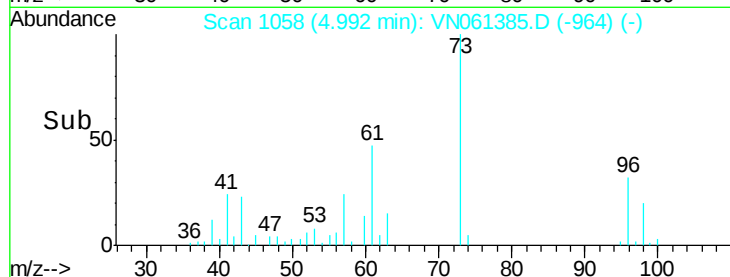
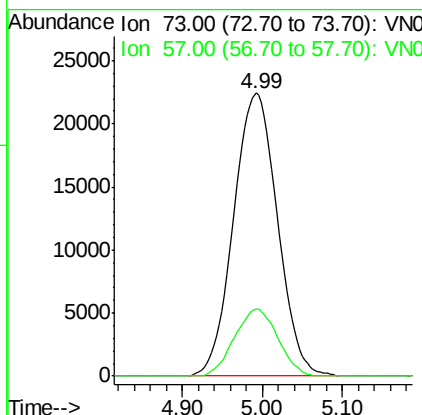
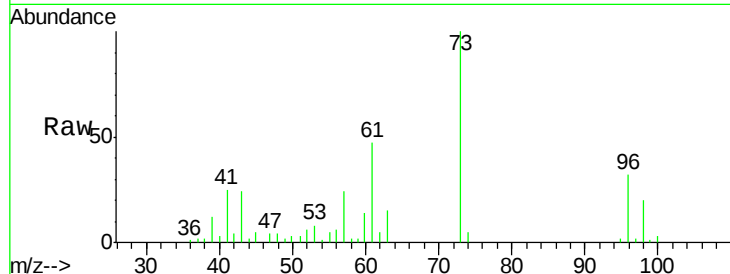
#19
Methyl tert-butyl Ether
Concen: 19.771 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion: 73 Resp: 83908
Ion Ratio Lower Upper
73 100
57 23.6 18.3 27.5

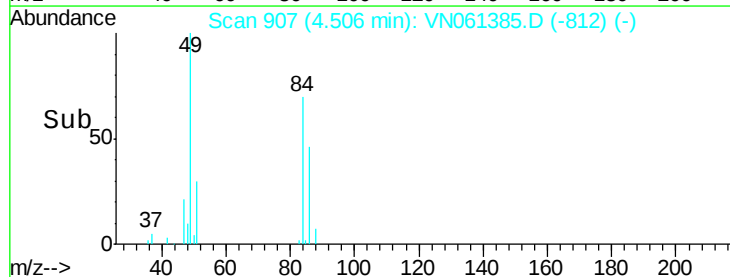
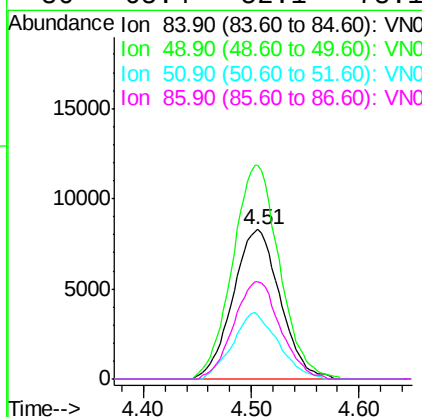
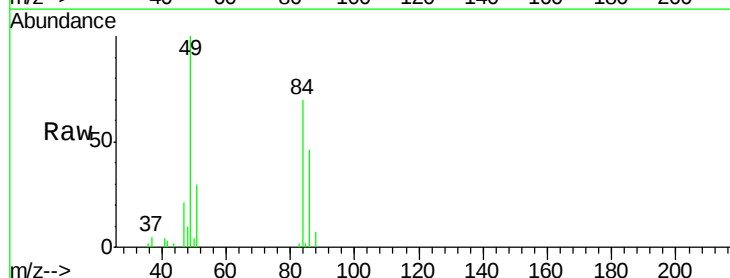
Manual Integrations
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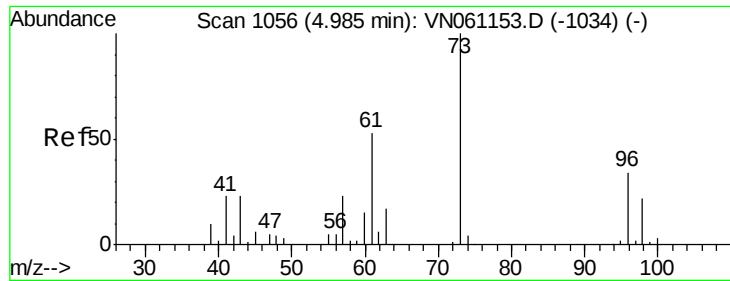
sam
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#20
Methylene Chloride
Concen: 19.443 ug/l
RT: 4.51 min Scan# 907
Delta R.T. 0.01 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 84 Resp: 25253
Ion Ratio Lower Upper
84 100
49 143.1 112.0 168.0
51 42.8 33.6 50.4
86 65.4 52.1 78.1





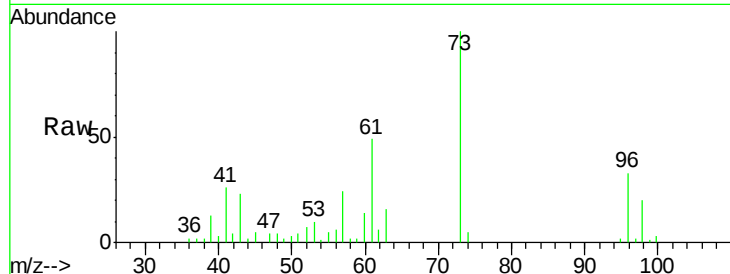
#21
trans-1,2-Dichloroethene
Concen: 18.747 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	123.0	184.4
98	62.5	50.1	75.1

Manual Integrations
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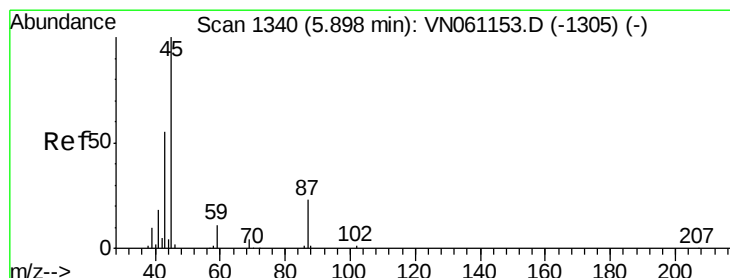
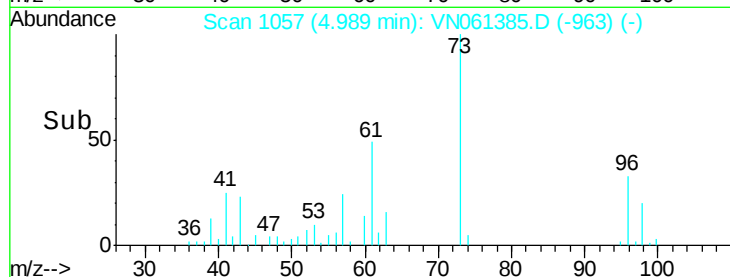
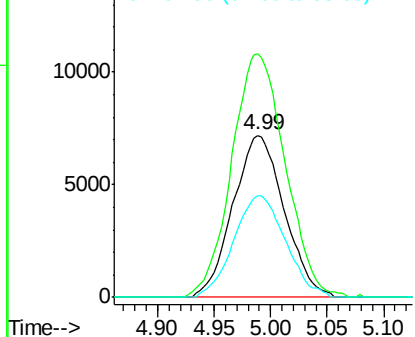


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 20.704 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.1	47.9	71.9
87	24.4	19.2	28.8
59	11.4	9.0	13.4

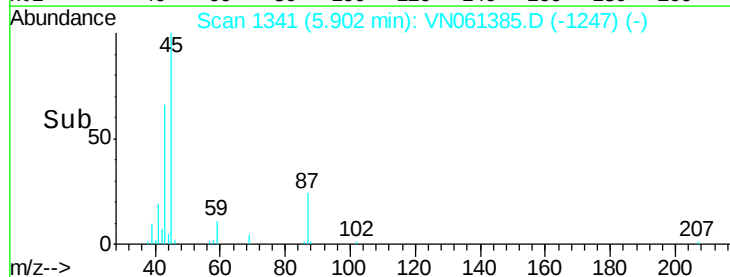
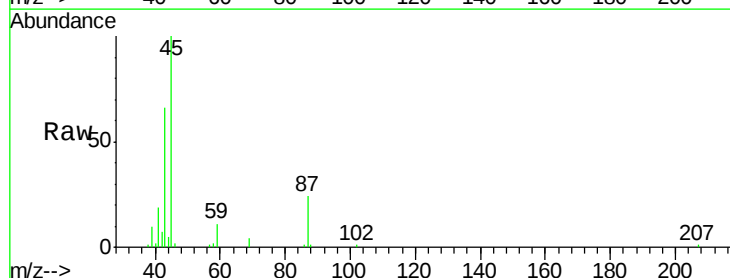
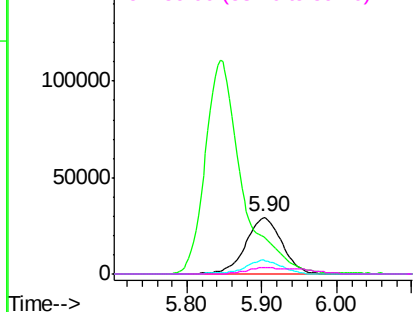
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





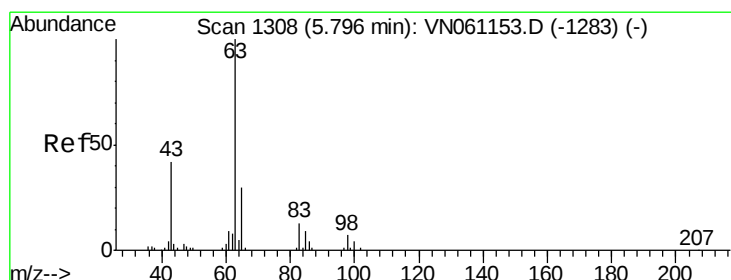
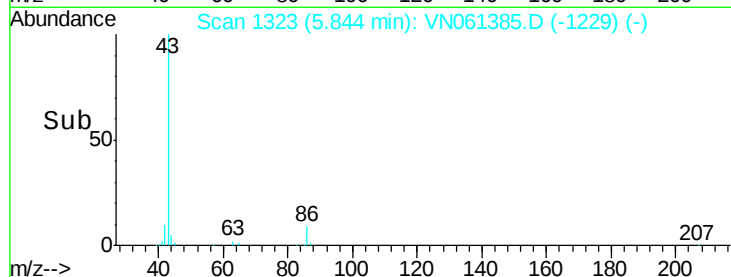
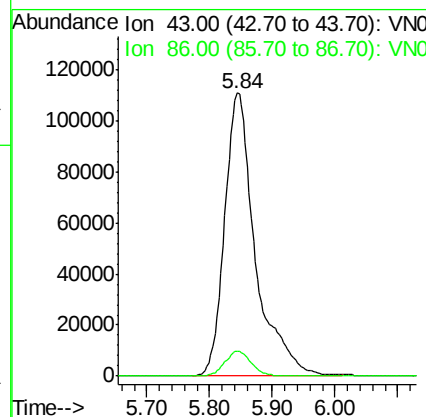
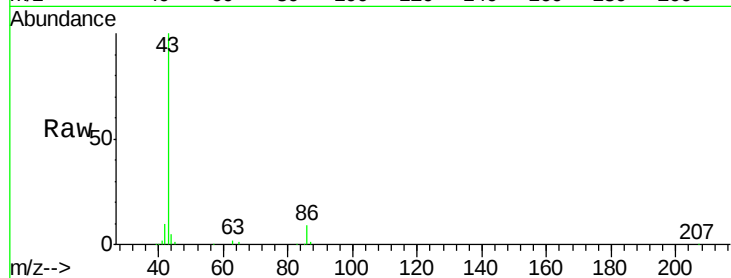
#23
 Vinyl Acetate
 Concen: 98.062 ug/l
 RT: 5.84 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	43	Resp	377062
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	7.2	10.8

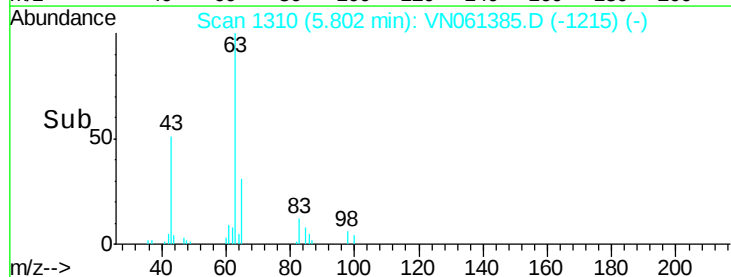
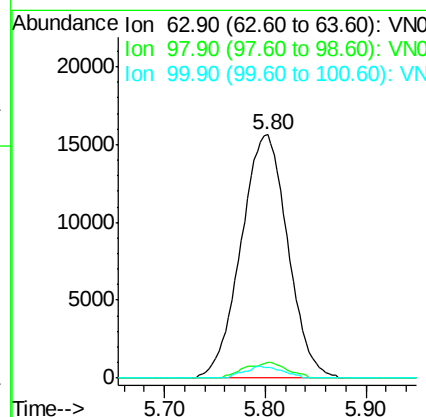
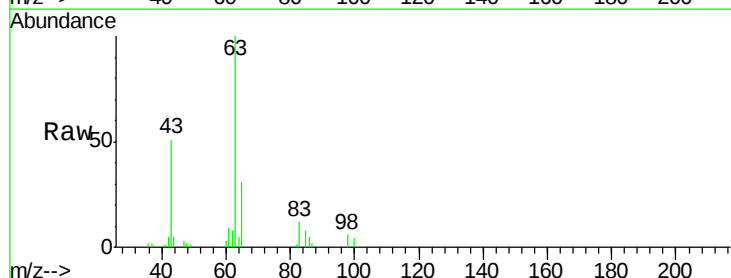
Manual Integrations
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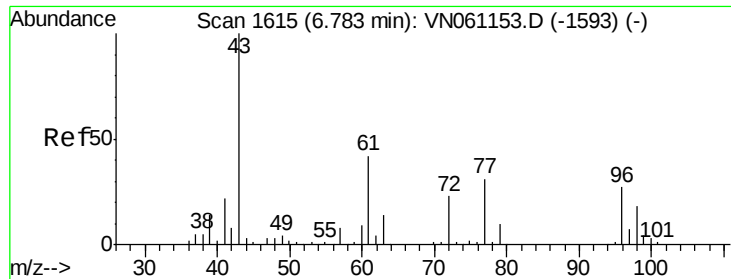
Sam
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#24
 1,1-Dichloroethane
 Concen: 20.131 ug/l
 RT: 5.80 min Scan# 1310
 Delta R.T. 0.01 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	63	Resp	50230
Ion Ratio	100	Lower	Upper
63	100		
98	6.4	3.3	9.9
100	4.3	1.9	5.7





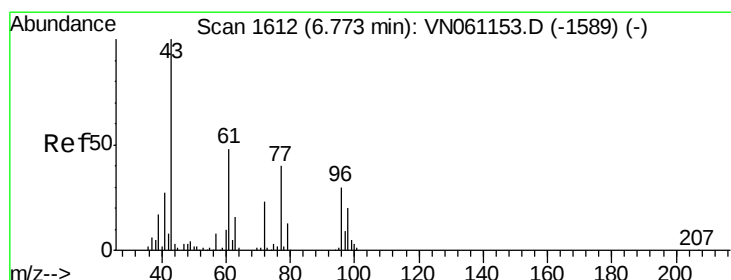
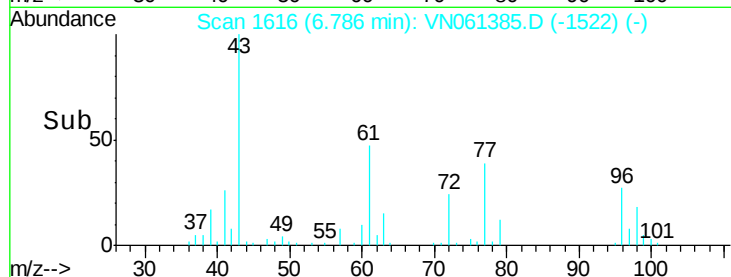
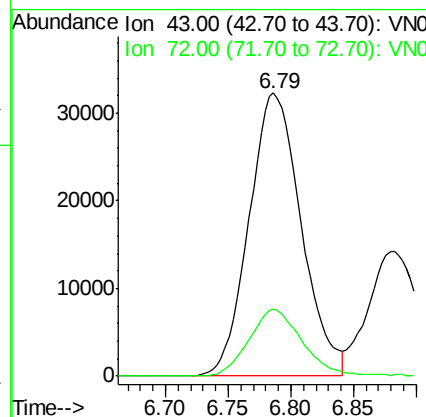
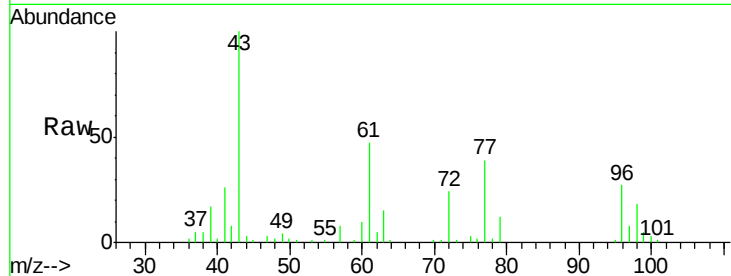
#25
2-Butanone
Concen: 94.956 ug/l
RT: 6.79 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0511WBSD01

Tot Ion: 43 Resp: 93591
Ion Ratio Lower Upper
43 100
72 23.6 18.2 27.4

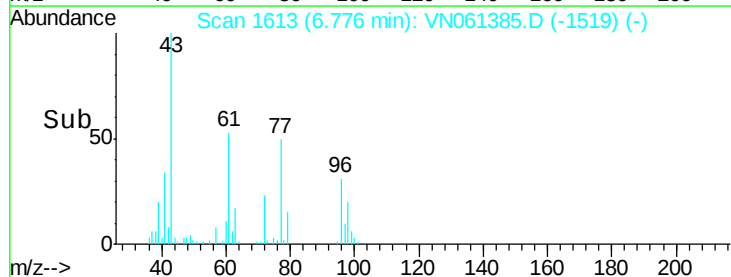
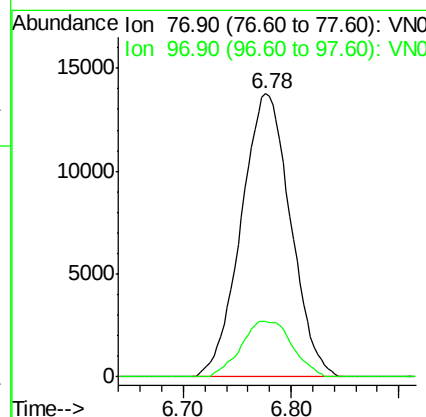
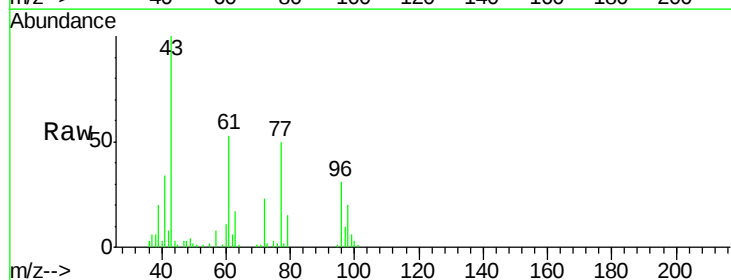
Manual Integrations
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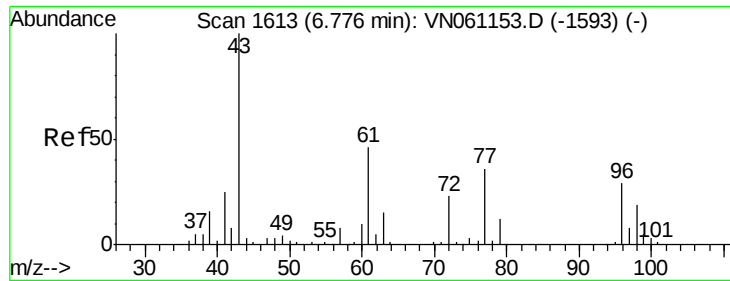
sam
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#26
2,2-Dichloropropane
Concen: 20.817 ug/l
RT: 6.78 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 77 Resp: 43750
Ion Ratio Lower Upper
77 100
97 20.4 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.043 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.01 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

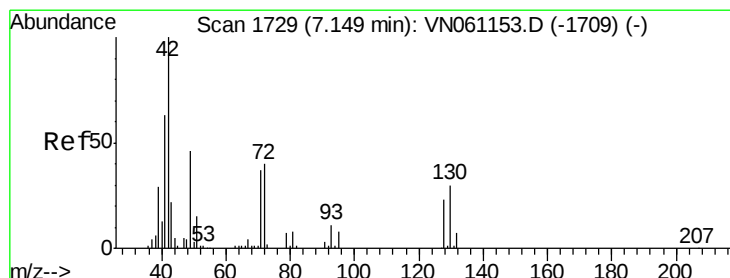
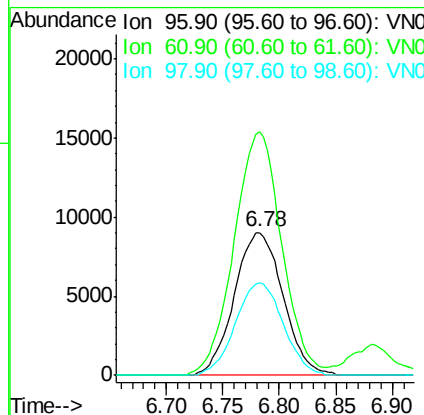
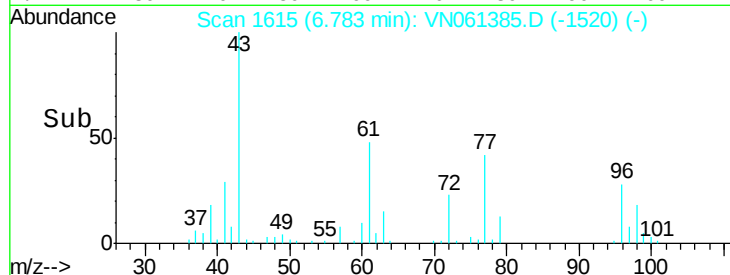
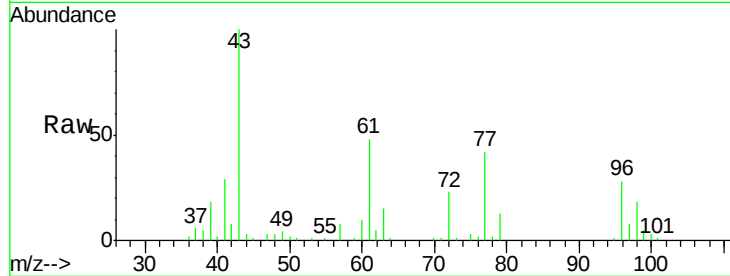
ClientSampleId :

VN0511WBSD01

Tot Ion:	96	Resp:	27027
Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	322.0
98	63.7	0.0	129.6

Manual Integrations
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sam
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#28

Bromochloromethane

Concen: 21.554 ug/l

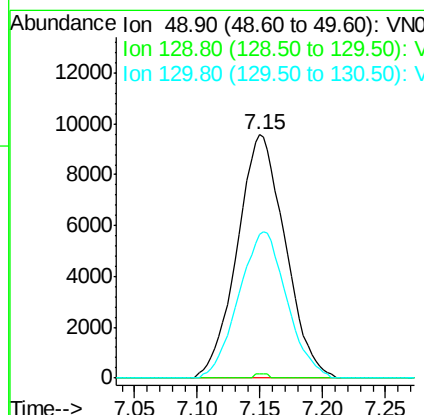
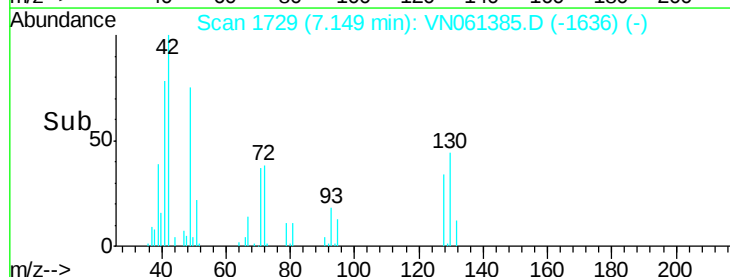
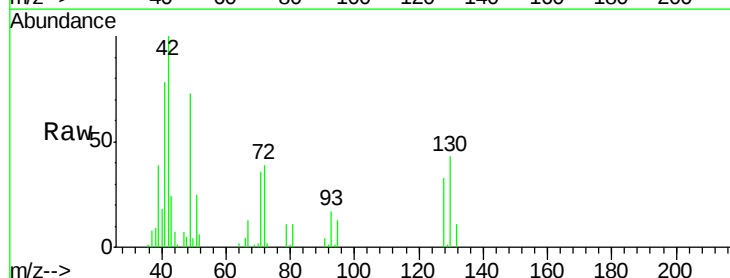
RT: 7.15 min Scan# 1729

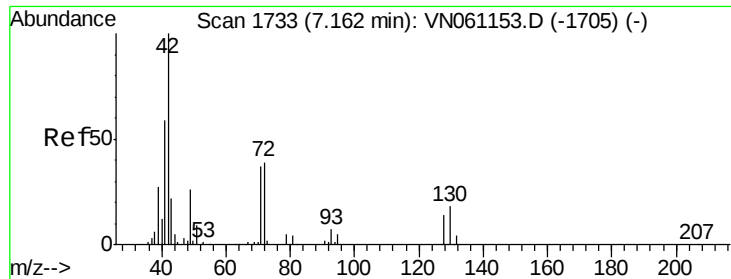
Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	49	Resp:	25490
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.0
130	60.2	51.4	77.2





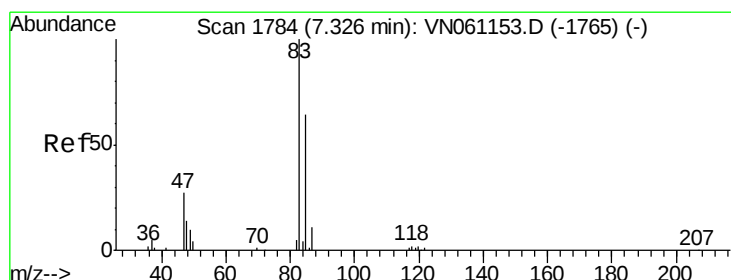
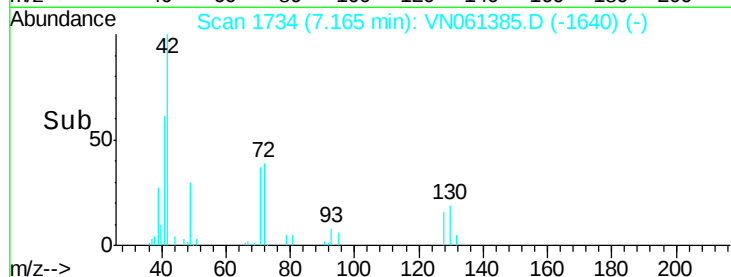
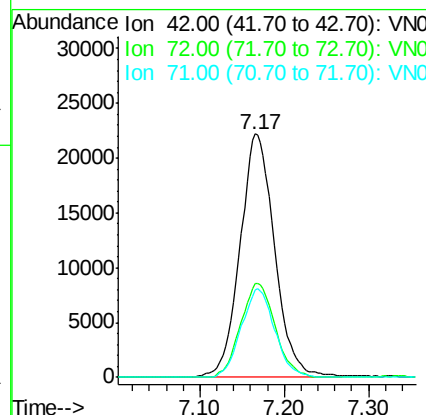
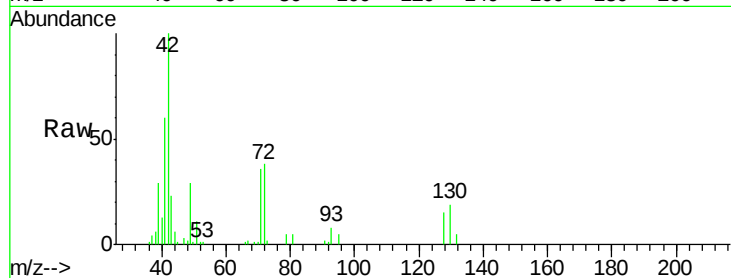
#29
Tetrahydrofuran
Concen: 95.760 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.4	47.0
71	35.0	29.5	44.3

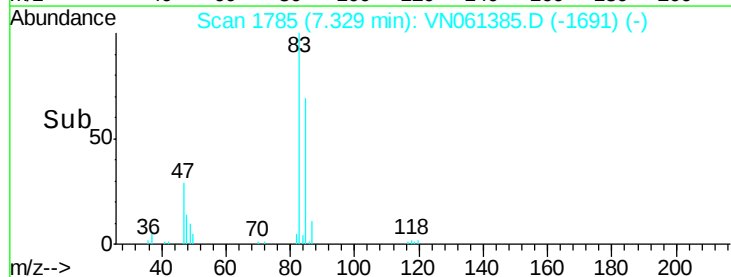
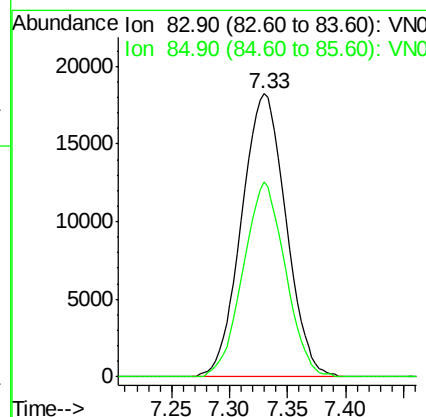
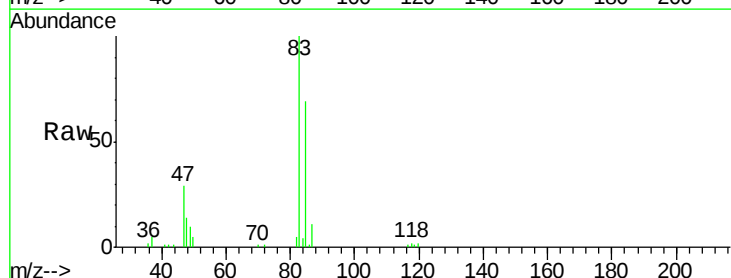
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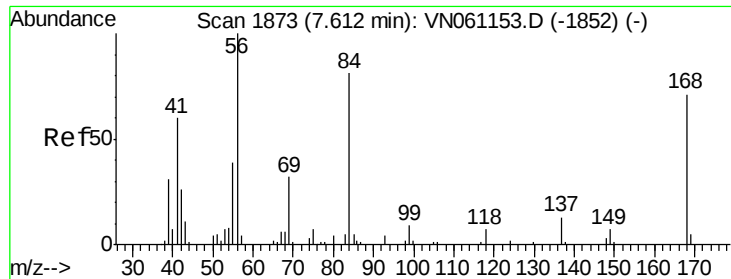
Sam
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#30
Chloroform
Concen: 19.261 ug/l
RT: 7.33 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.8	51.1	76.7





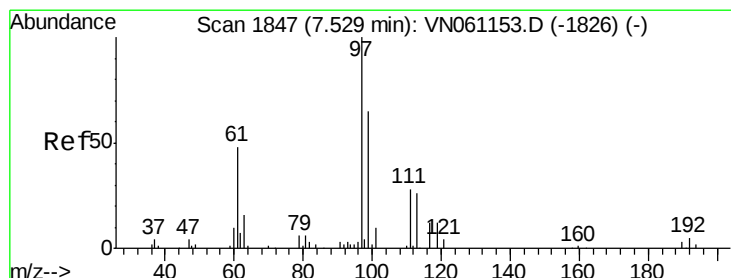
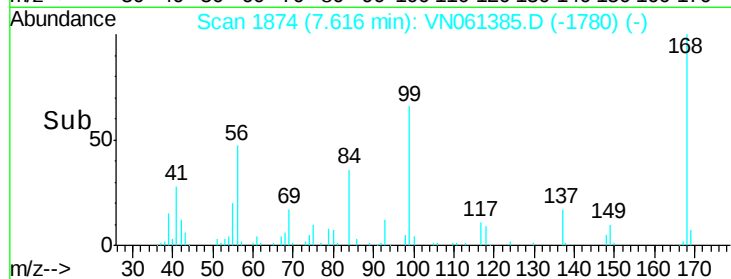
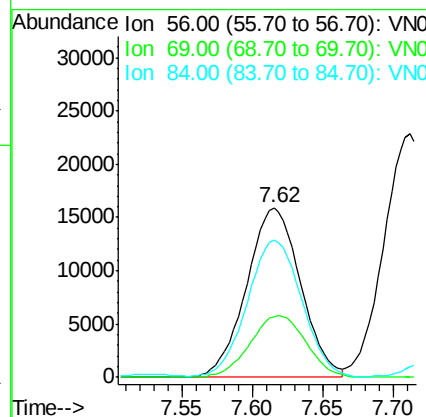
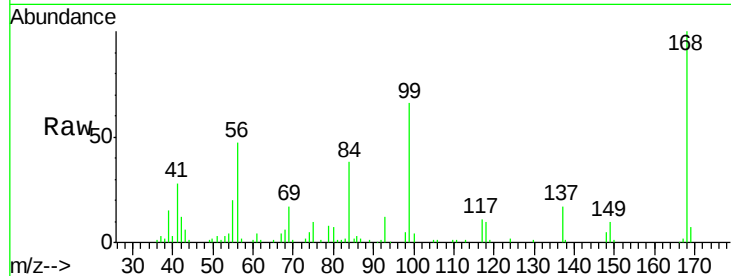
#31
Cyclohexane
Concen: 17.575 ug/l
RT: 7.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	25.7	38.5
84	79.7	64.6	97.0

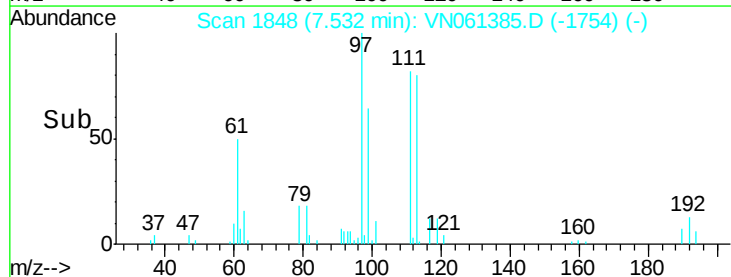
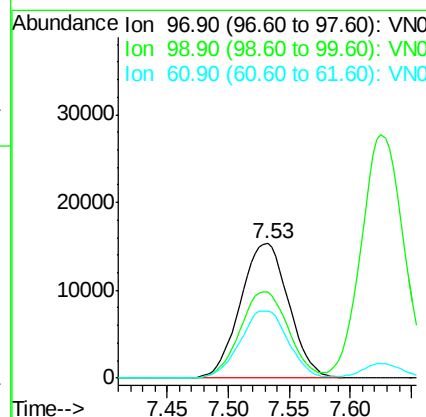
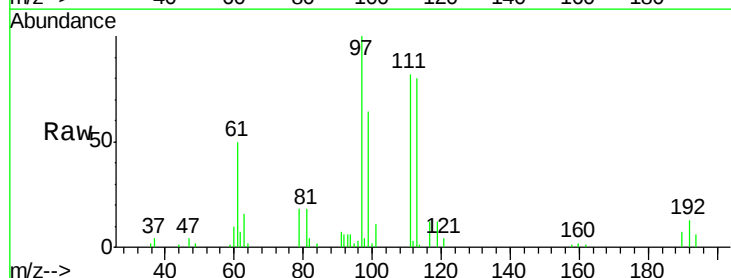
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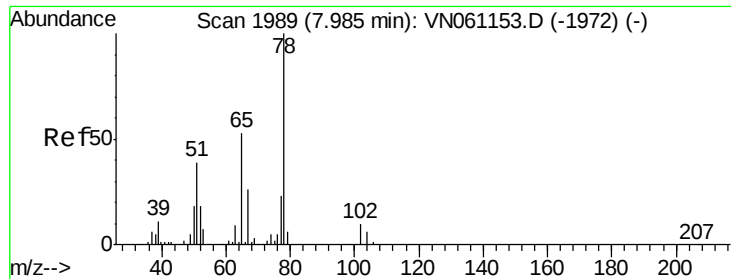
sam
5/12/2020 3:34:07 PM



#32
1,1,1-Trichloroethane
Concen: 19.142 ug/l
RT: 7.53 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	49.5	38.6	57.8





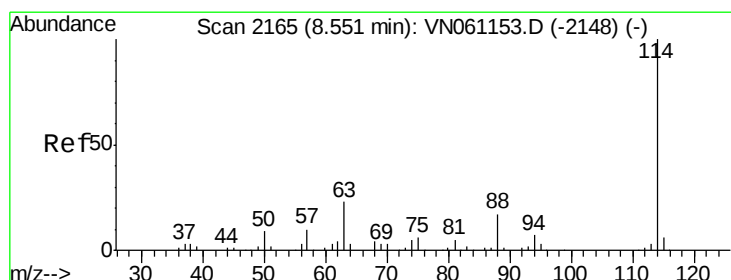
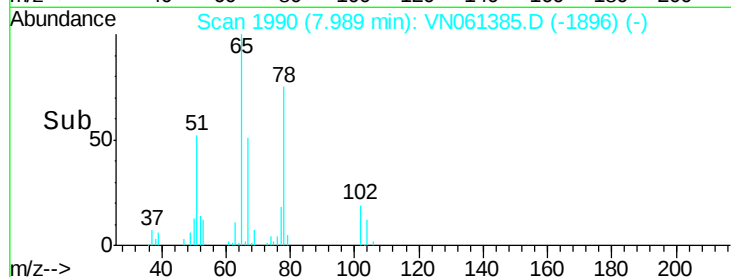
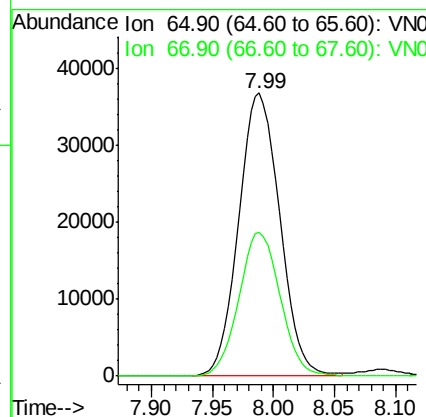
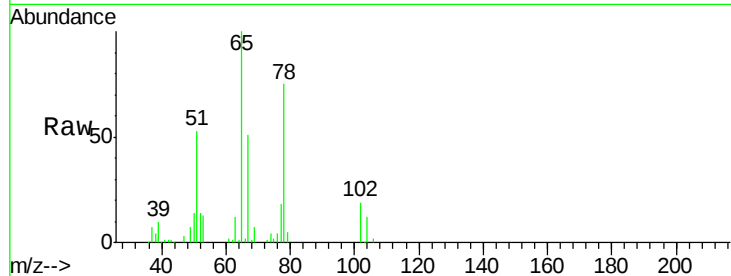
#33
 1,2-Dichloroethane-d4
 Concen: 51.758 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	101.6

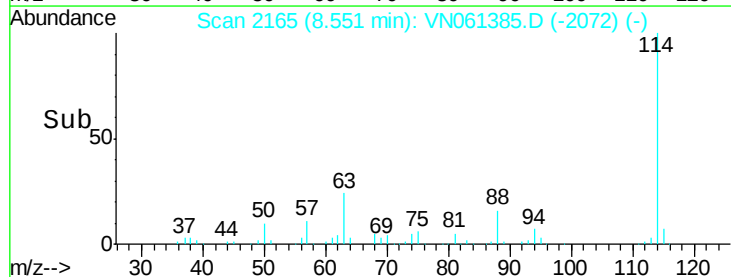
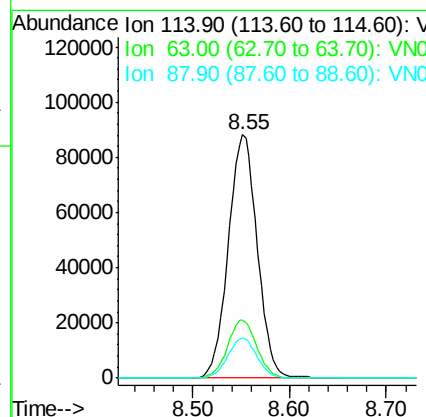
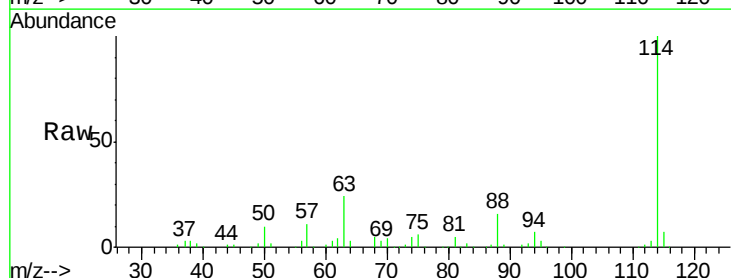
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	46.6
88	16.4	0.0	33.4





#35

Dibromofluoromethane

Concen: 50.125 ug/l

RT: 7.55 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

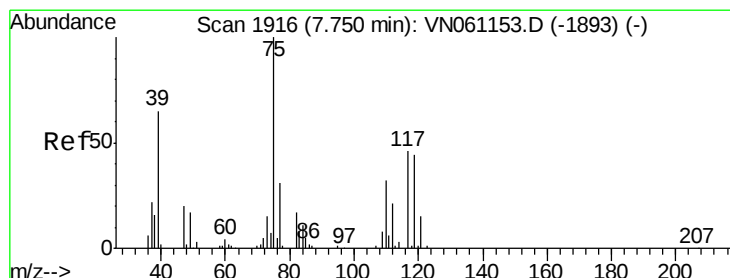
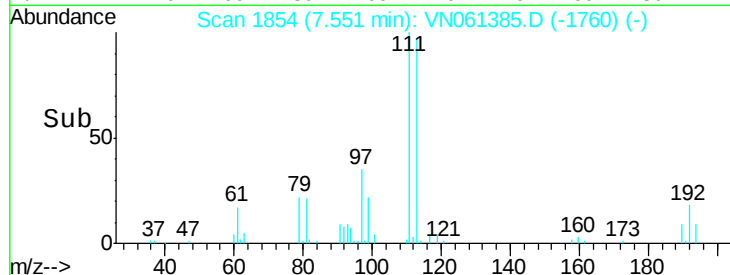
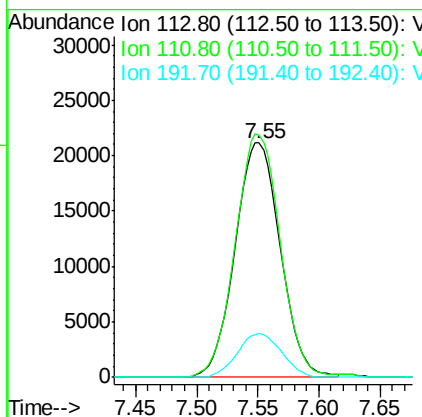
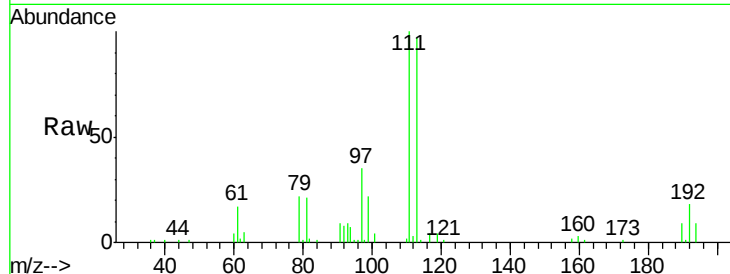
ClientSampleId :

VN0511WBSD01

Tot Ion:	113	Resp:	54318
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.9	124.3
192	18.3	14.7	22.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.405 ug/l

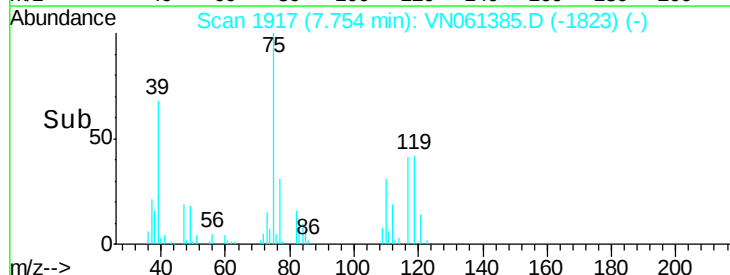
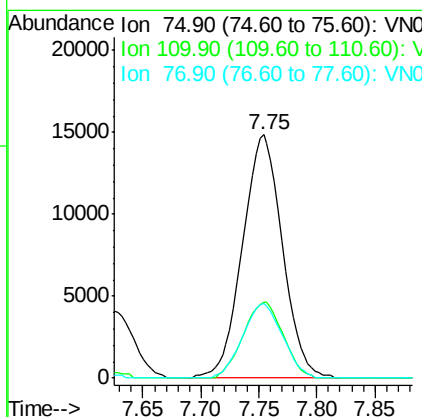
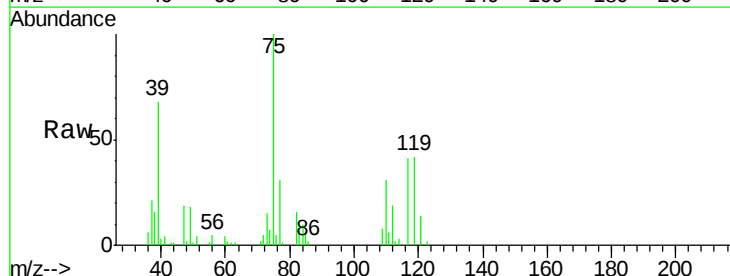
RT: 7.75 min Scan# 1917

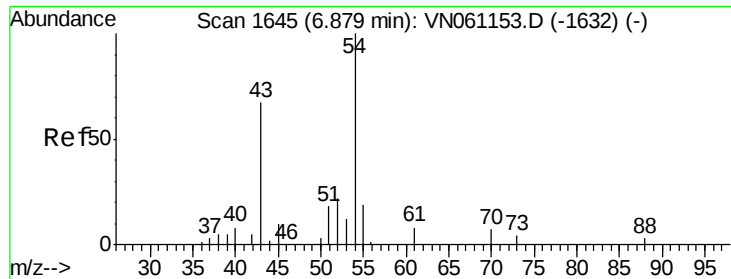
Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	75	Resp:	35598
Ion	Ratio	Lower	Upper
75	100		
110	31.2	16.0	48.0
77	30.8	24.6	37.0





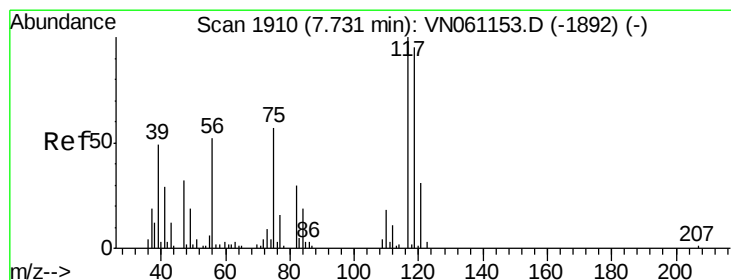
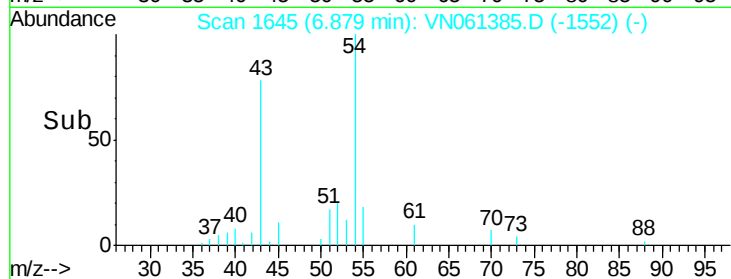
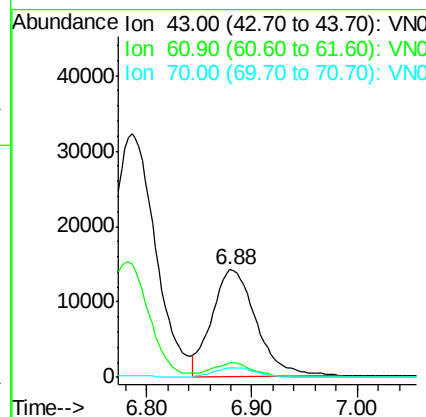
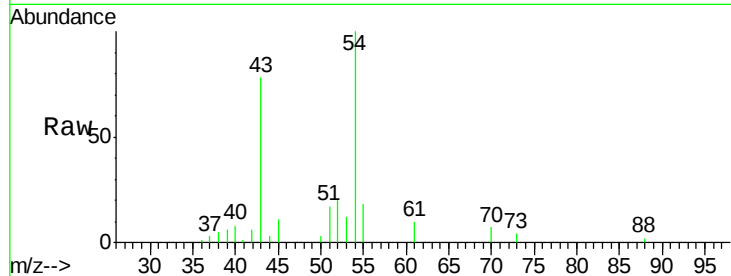
#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	8.6	7.2	10.8

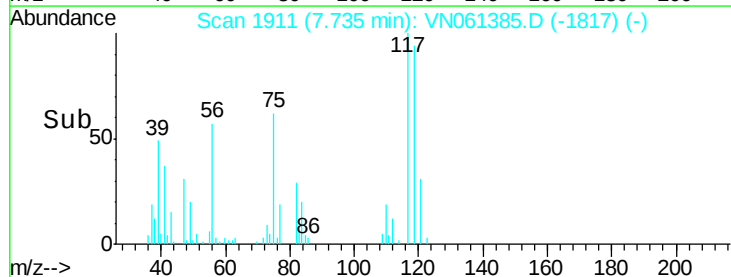
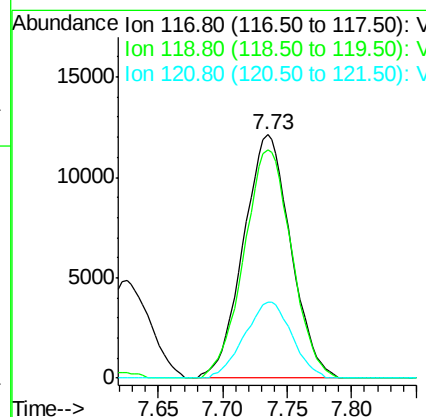
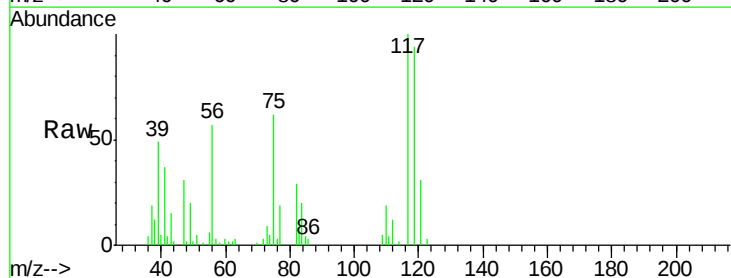
Manual Integrations
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sam
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#38
Carbon Tetrachloride
Concen: 19.956 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.8	113.6
121	31.4	24.7	37.1





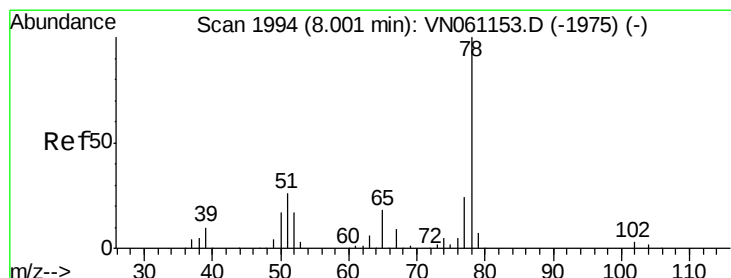
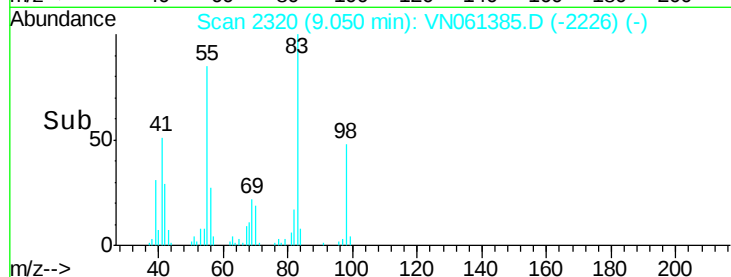
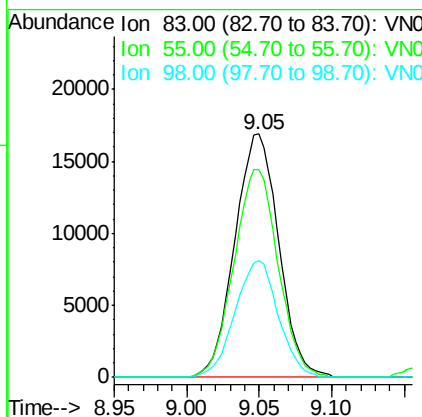
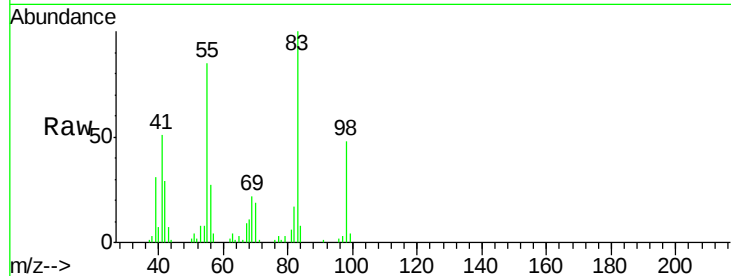
#39
Methvlcvclohexane
Concen: 17.308 ug/l
RT: 9.05 min Scan# 2320
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	67.3	100.9
98	47.9	37.7	56.5

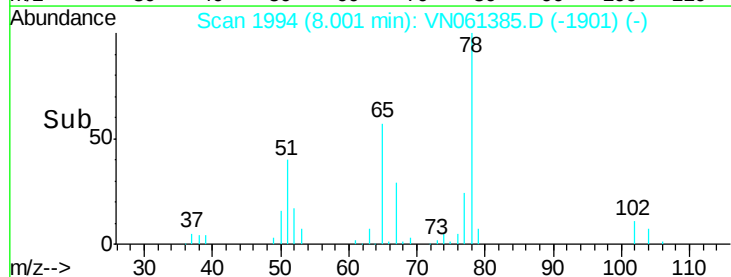
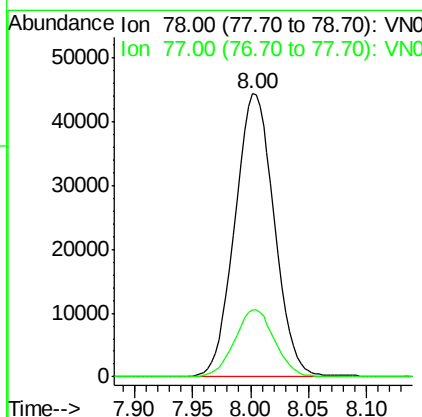
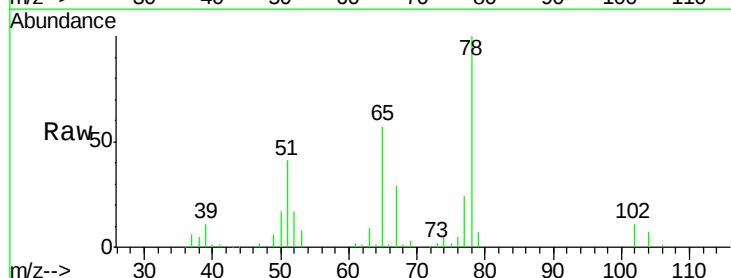
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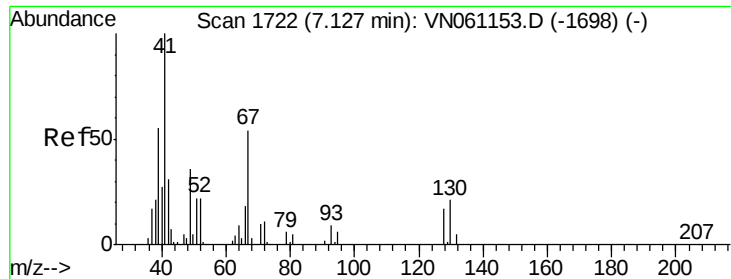
sam
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#40
Benzene
Concen: 19.185 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





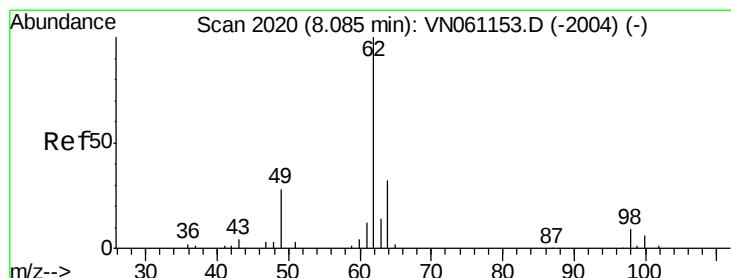
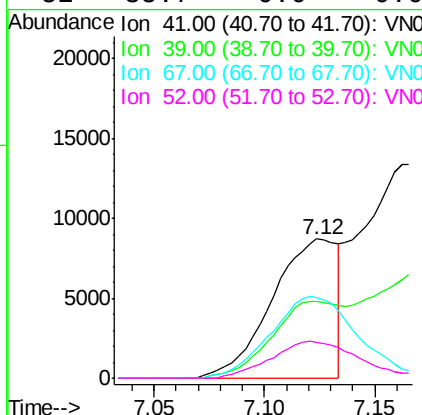
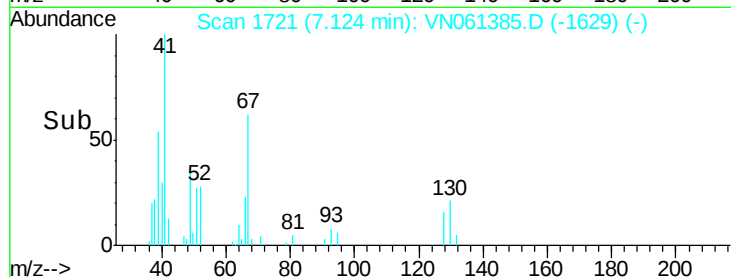
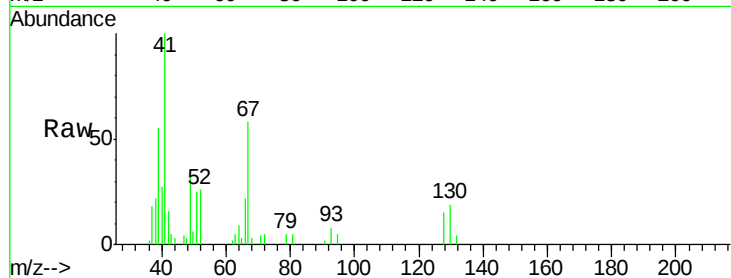
#41
Methacrylonitrile
Concen: 20.040 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		17895		
39	59.6	0.0	0.0#		
67	78.6	0.0	0.0#		
52	35.7	0.0	0.0#		

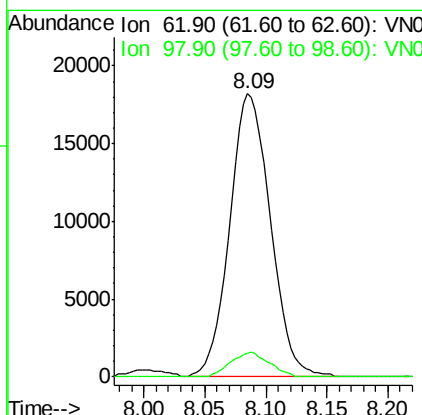
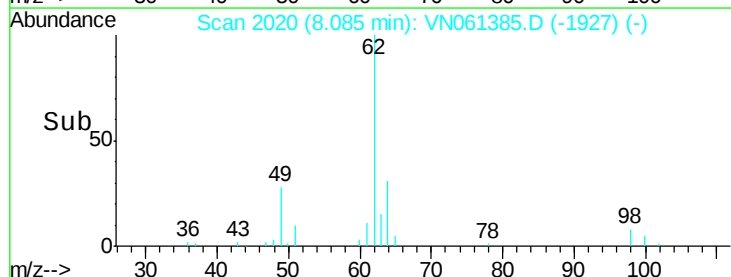
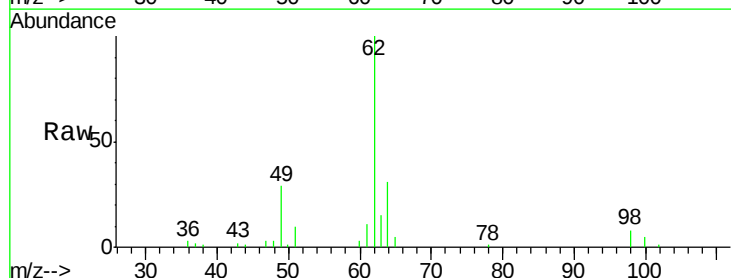
Manual Integrations
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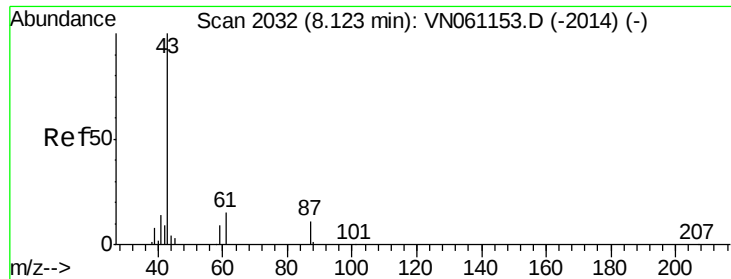
sam
5/12/2020 3:34:07 PM



#42
1,2-Dichloroethane
Concen: 20.382 ug/l
RT: 8.09 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		42201		
98	8.2	0.0	16.8		





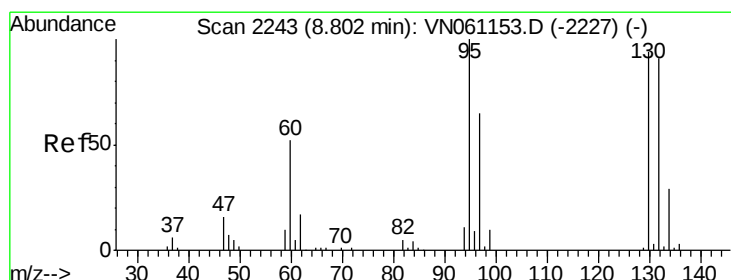
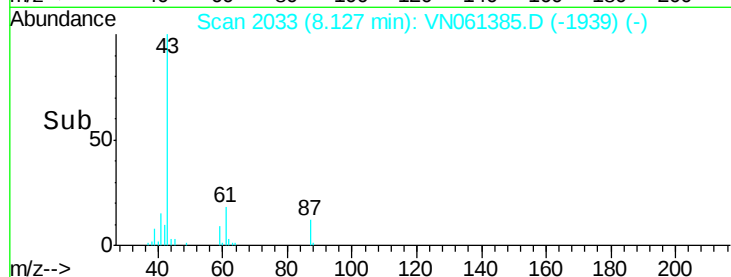
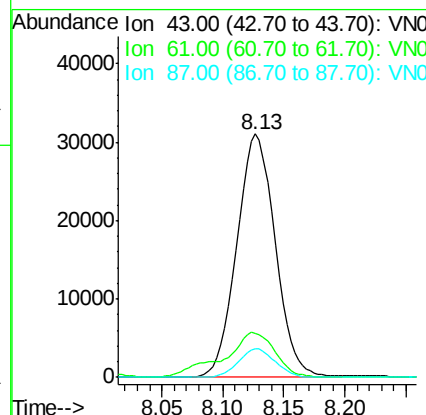
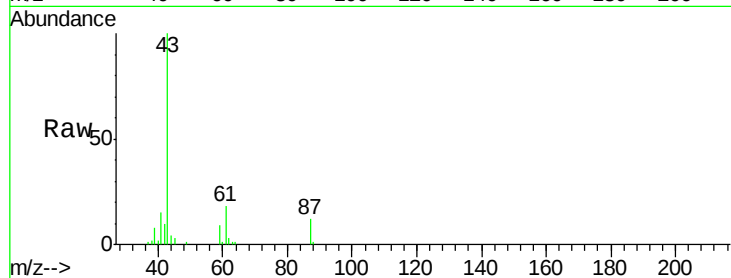
#43
Isopropyl Acetate
Concen: 19.036 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.6	19.5	29.3
87	11.1	8.9	13.3

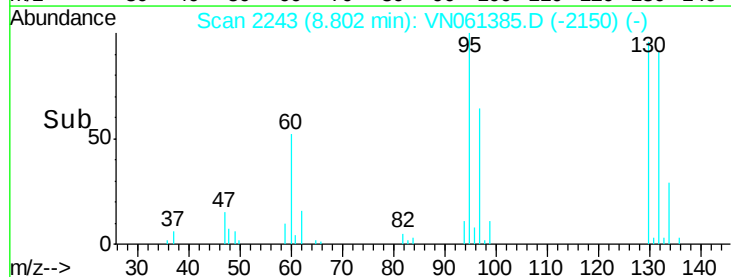
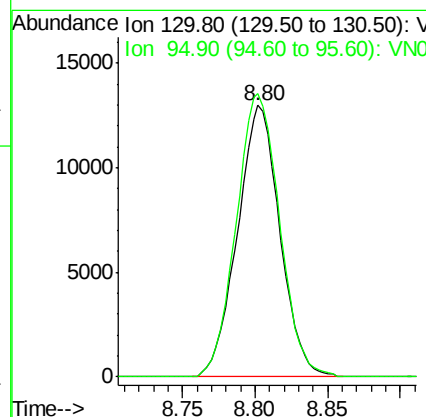
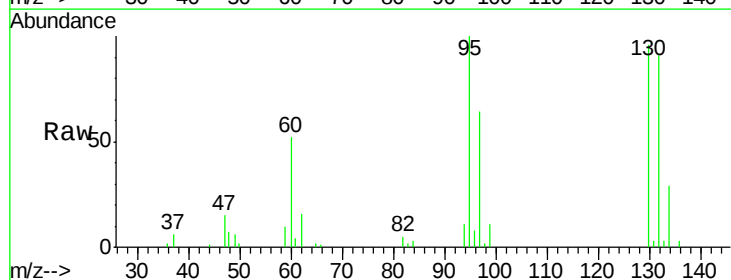
Manual Integrations
APPROVED

sam
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#44
Trichloroethene
Concen: 17.841 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	212.4





#45

1,2-Dichloropropane

Concen: 19.834 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion: 63 Resp: 28960

Ion Ratio Lower Upper

63 100

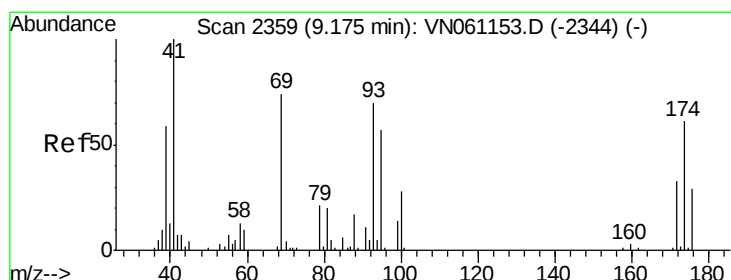
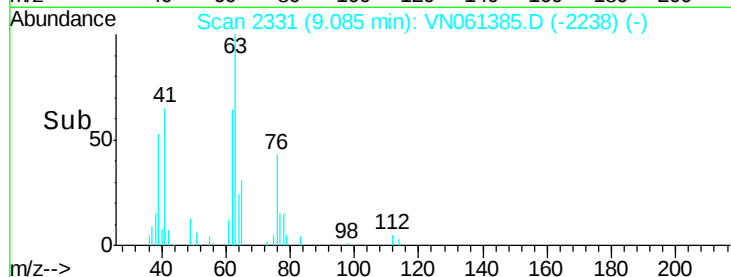
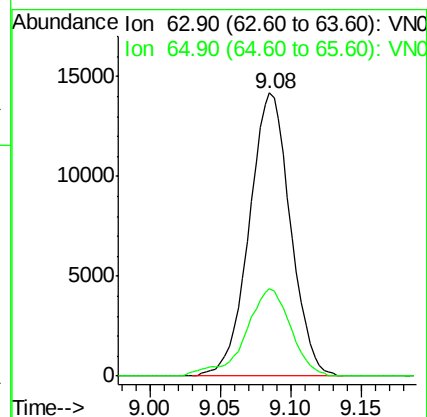
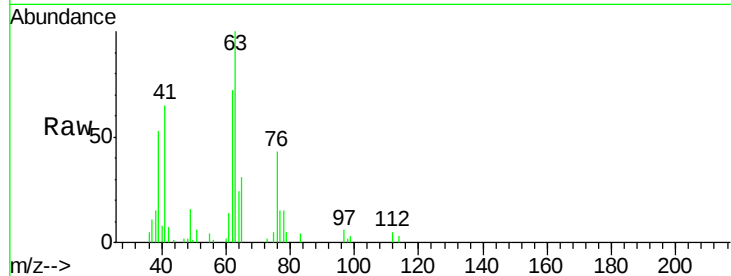
65 31.0 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 19.254 ug/l

RT: 9.18 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

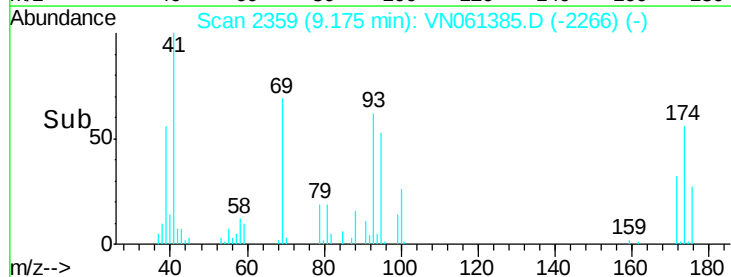
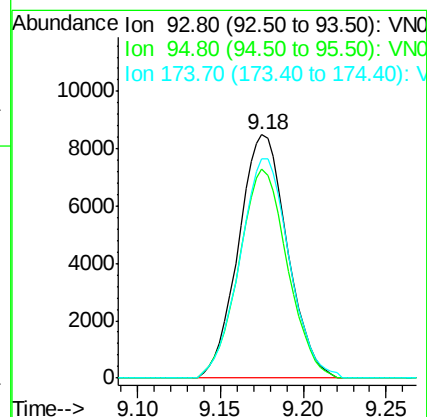
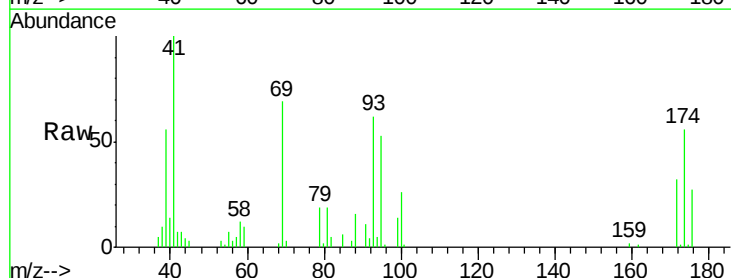
Tgt Ion: 93 Resp: 17407

Ion Ratio Lower Upper

93 100

95 85.4 66.6 99.8

174 91.2 70.2 105.2





#47

Bromodichloromethane

Concen: 19.727 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

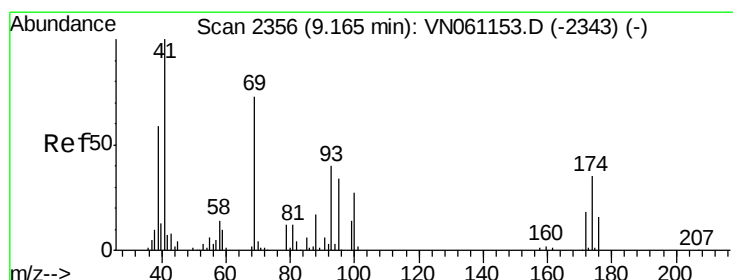
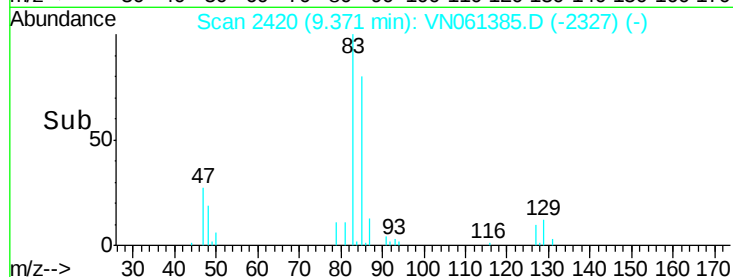
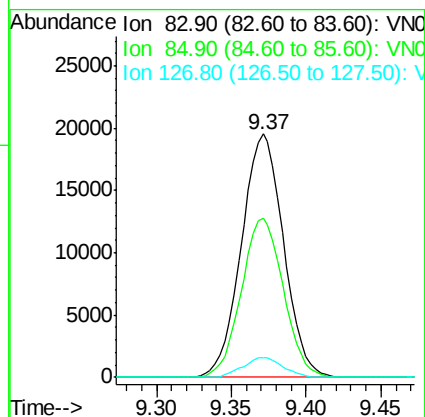
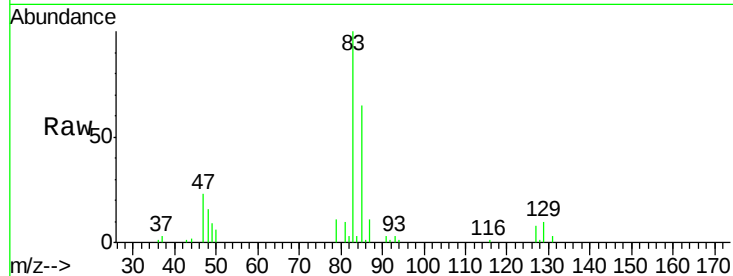
ClientSampleId :

VN0511WBSD01

Tot Ion:	83	Resp:	38280
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.4	75.6
127	8.1	6.2	9.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.900 ug/l

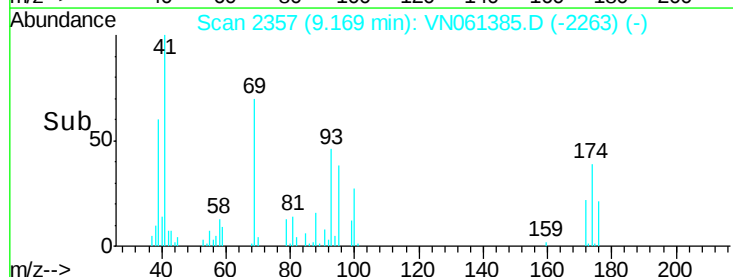
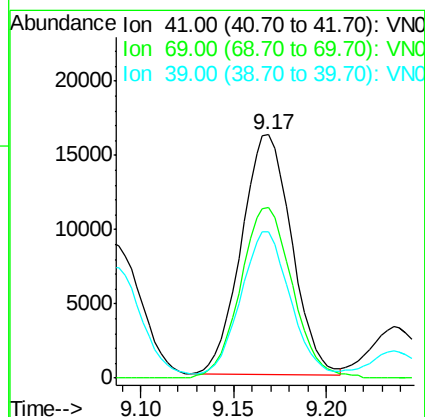
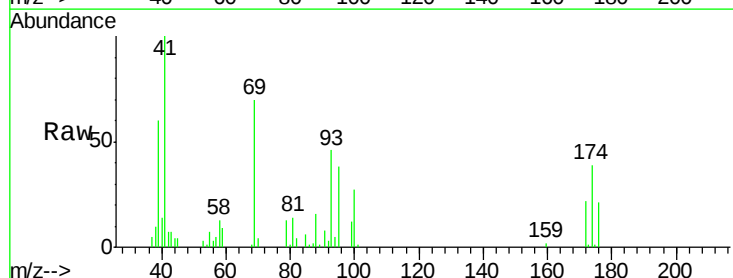
RT: 9.17 min Scan# 2357

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	41	Resp:	30441
Ion	Ratio	Lower	Upper
41	100		
69	73.2	60.3	90.5
39	61.0	47.4	71.0





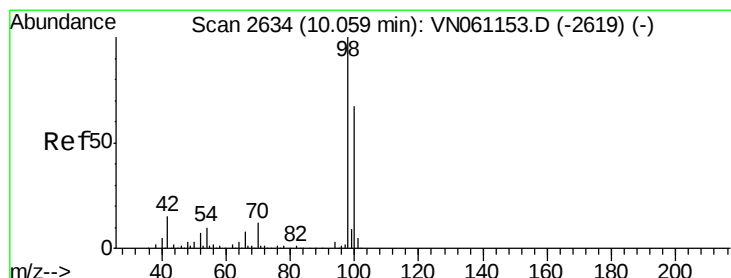
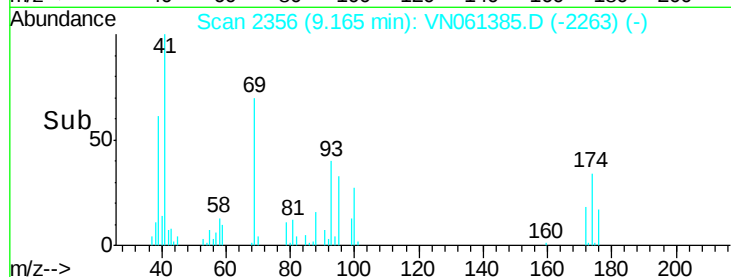
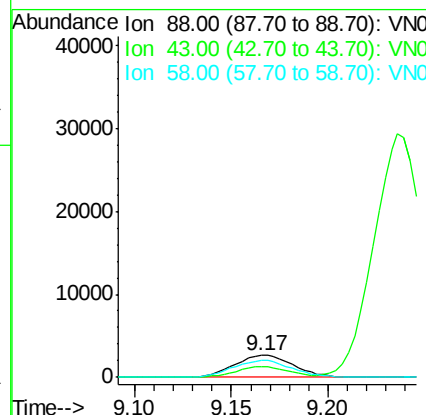
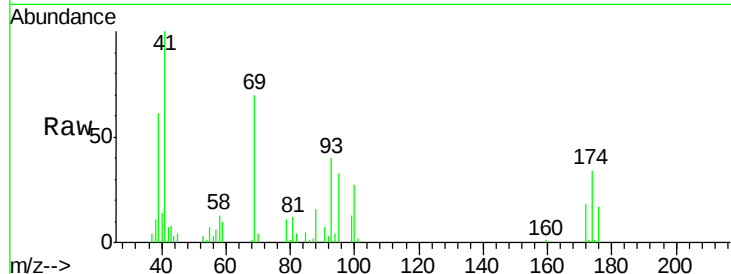
#49
1,4-Dioxane
Concen: 304.060 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.4	35.3	52.9
58	77.0	61.5	92.3

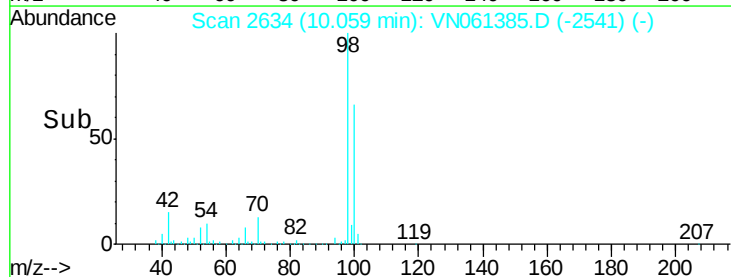
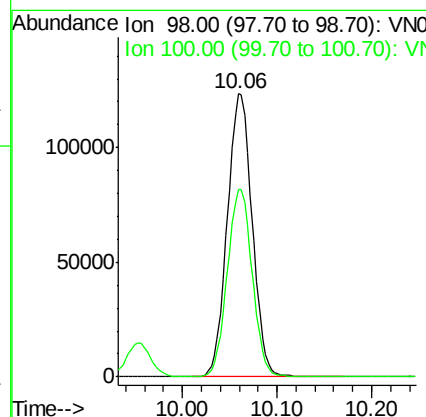
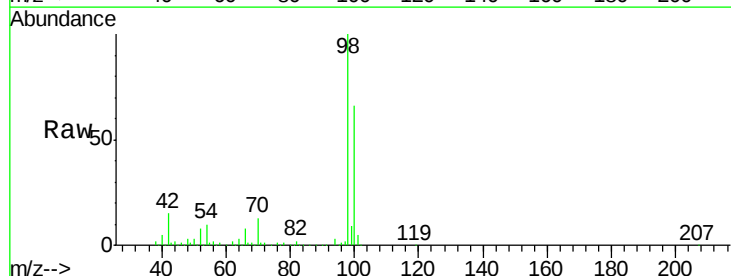
Manual Integrations
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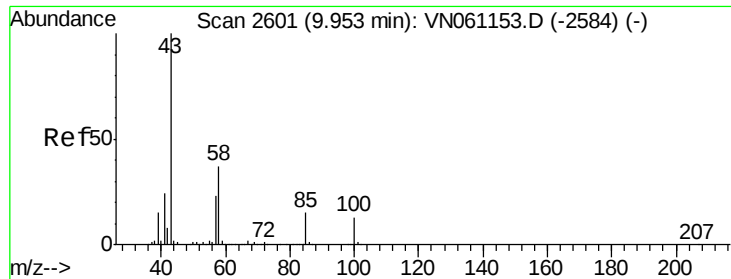
sam
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#50
Toluene-d8
Concen: 51.223 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0





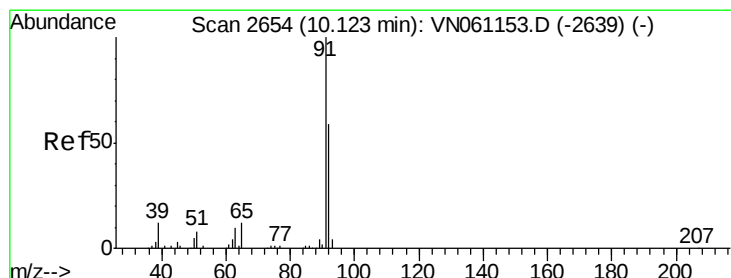
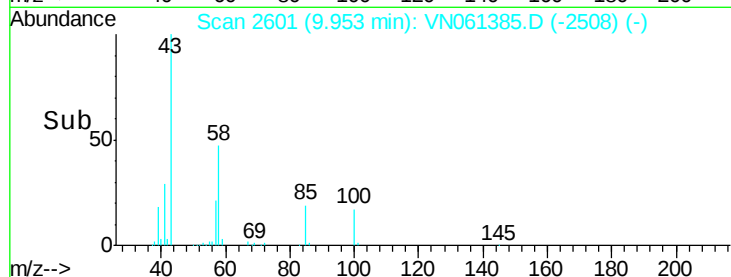
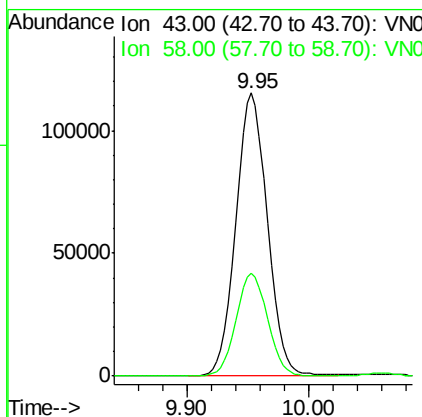
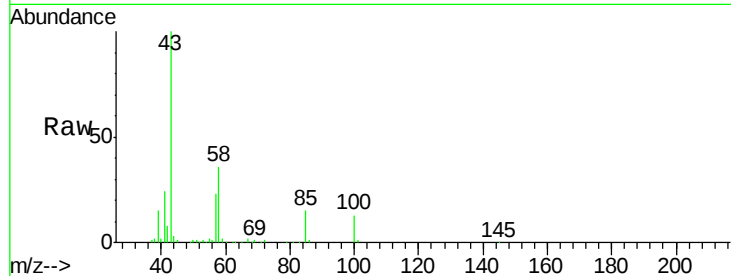
#51
4-Methyl-2-Pentanone
Concen: 97.965 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	205816		
58	36.4		29.1	43.7

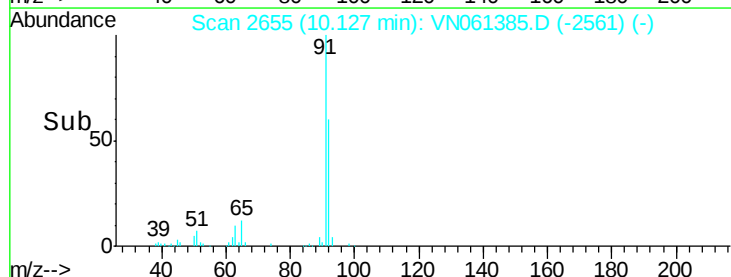
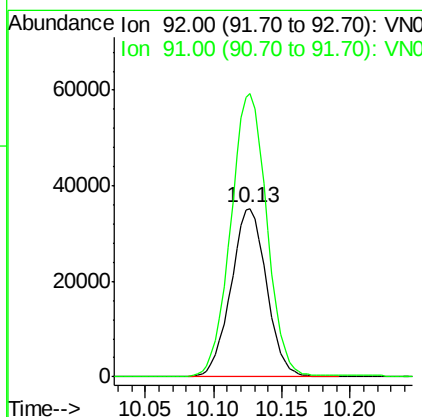
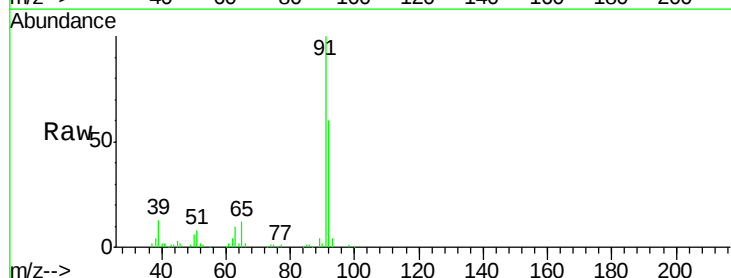
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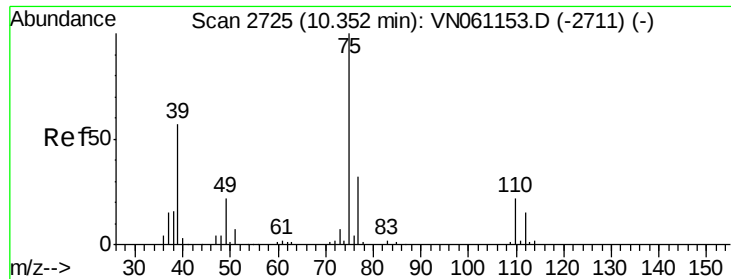
sam
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#52
Toluene
Concen: 19.373 ug/l
RT: 10.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
92	100	63776		
91	169.7		136.2	204.2





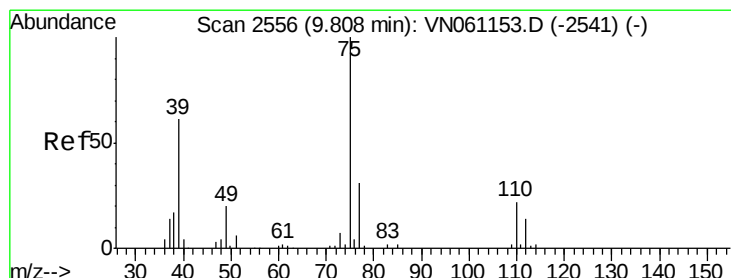
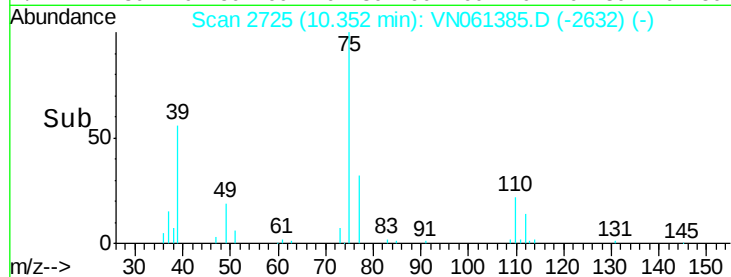
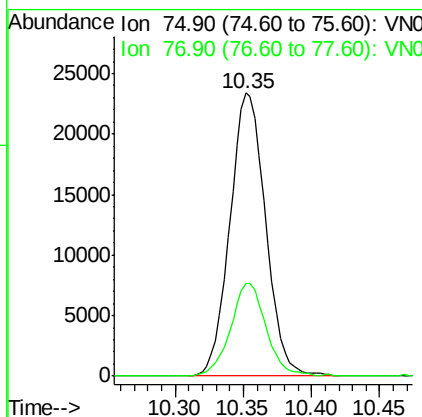
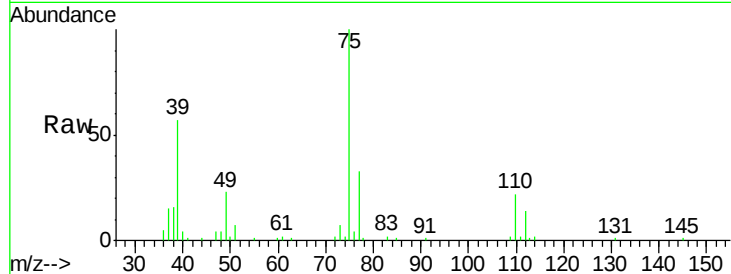
#53
t-1,3-Dichloropropene
Concen: 19.441 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampled :
VN0511WBSD01

Tot Ion: 75 Resp: 42508
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3

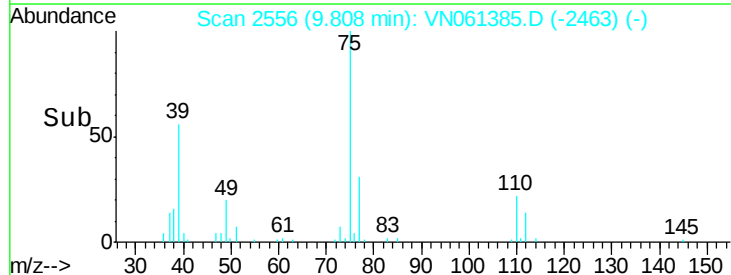
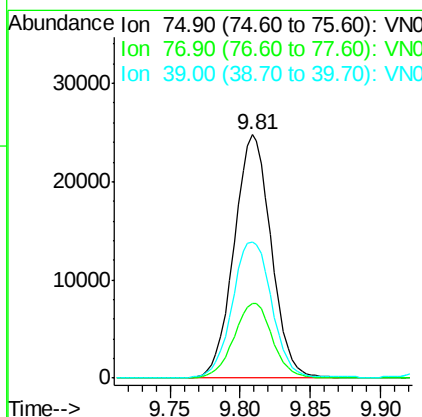
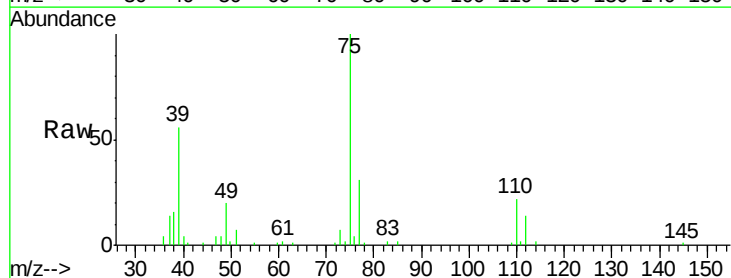
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#54
cis-1,3-Dichloropropene
Concen: 19.739 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 75 Resp: 45629
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4
39 56.1 48.7 73.1





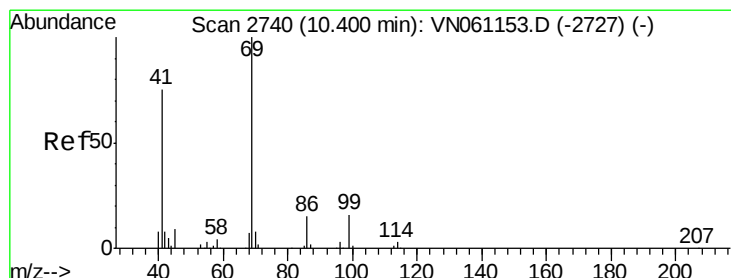
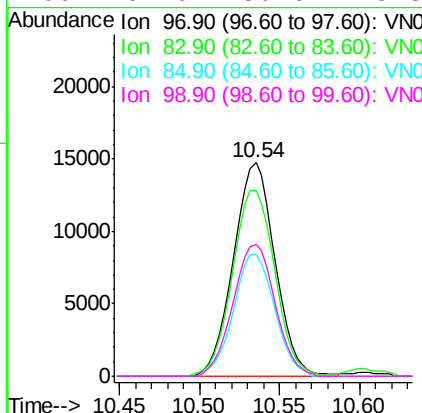
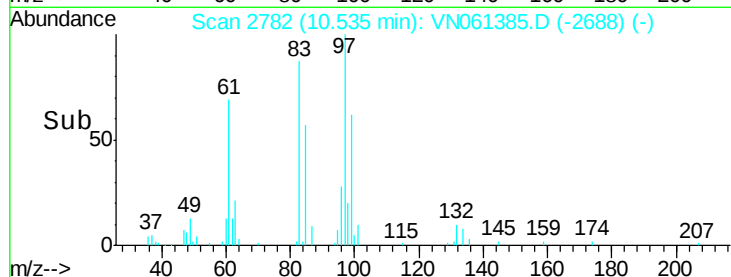
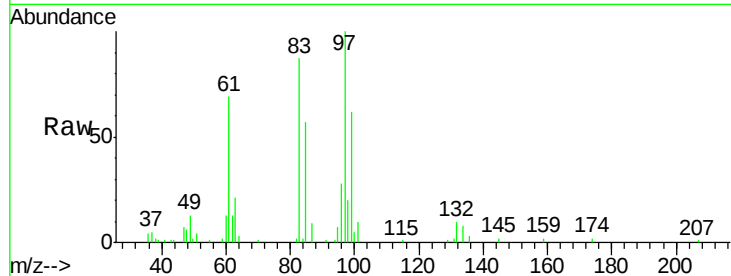
#55
 1,1,2-Trichloroethane
 Concen: 19.942 ug/l
 RT: 10.54 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion:	97	Resp:	26186
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.6	106.0
85	57.2	46.4	69.6
99	62.0	50.6	75.8

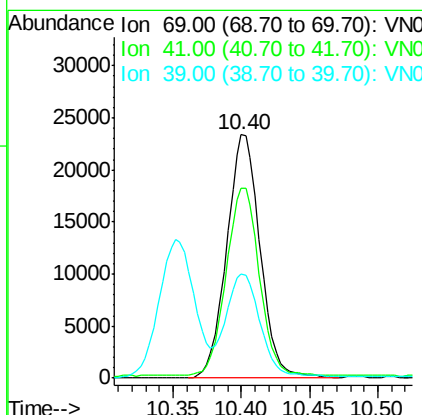
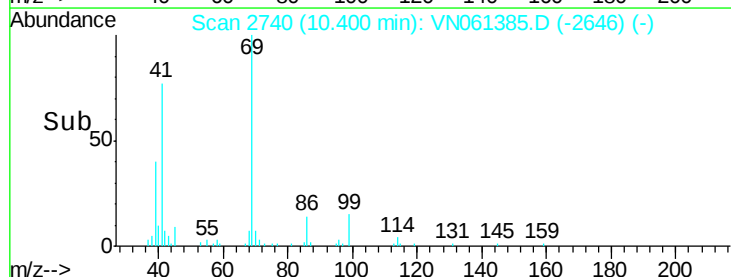
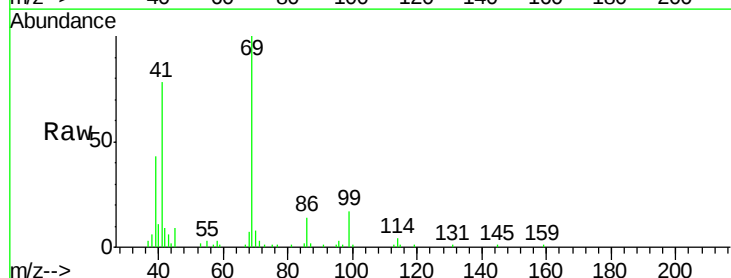
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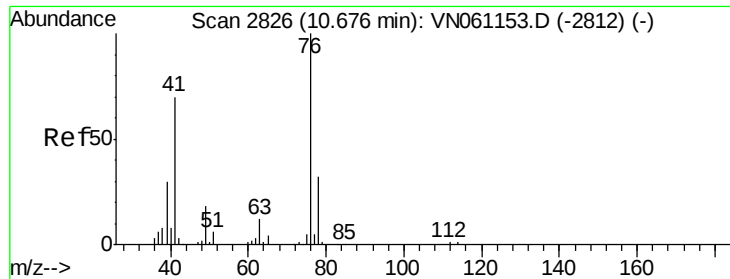
sam
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#56
 Ethyl methacrylate
 Concen: 19.167 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion:	69	Resp:	39788
Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.3	90.5
39	43.5	35.9	53.9





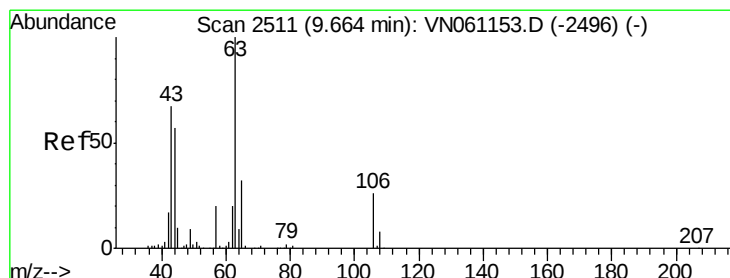
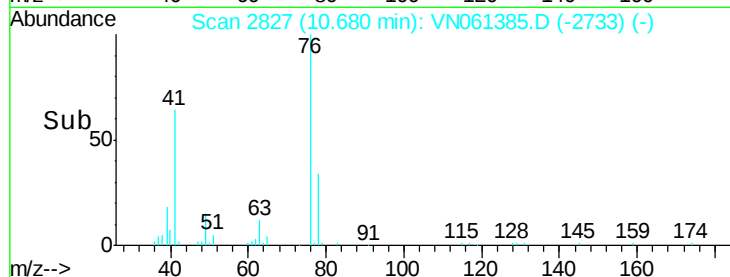
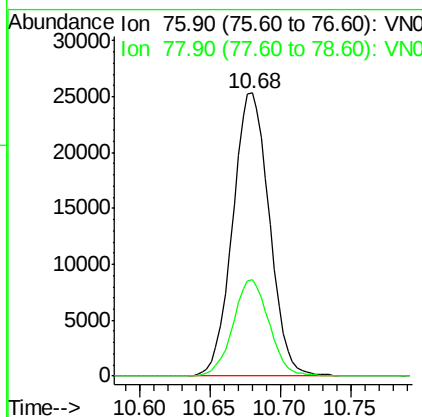
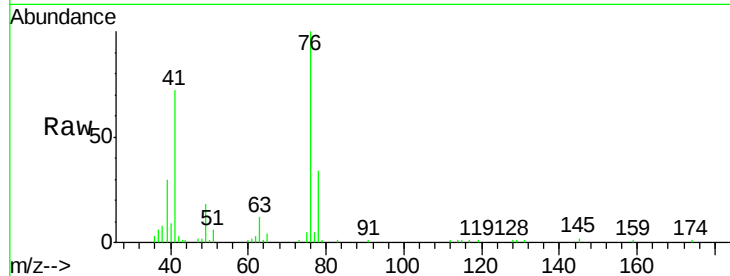
#57
 1,3-Dichloropropane
 Concen: 20.000 ug/l
 RT: 10.68 min Scan# 2827
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.5	38.3

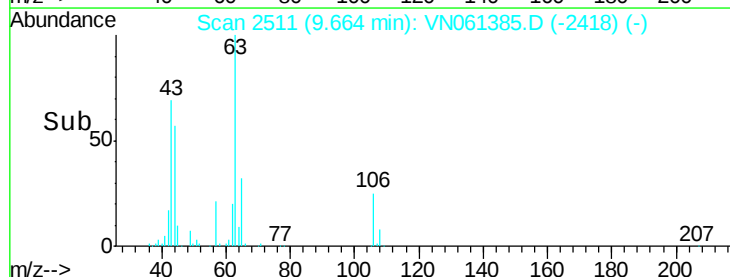
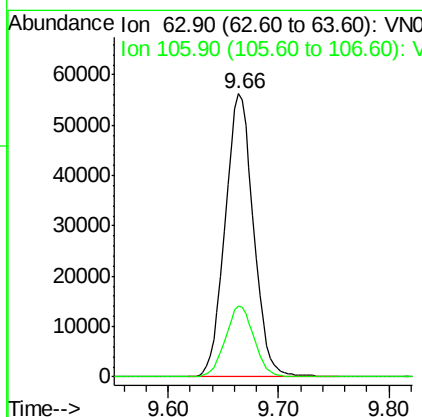
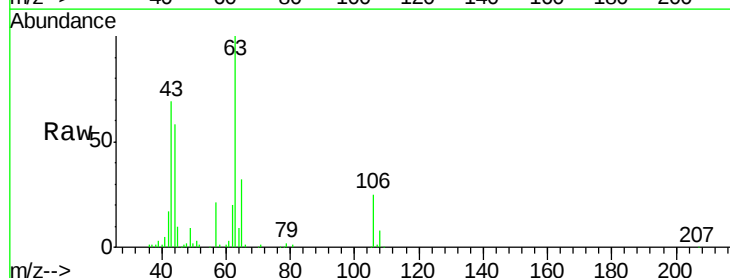
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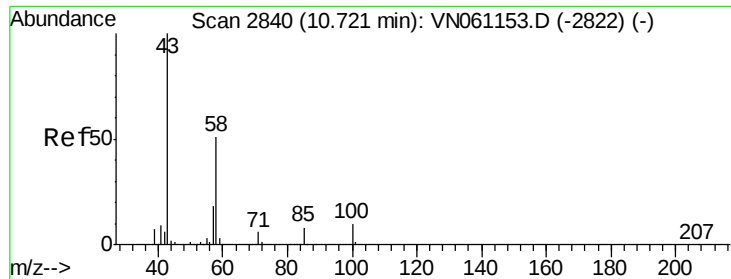
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#58
 2-Chloroethyl Vinyl ether
 Concen: 94.249 ug/l
 RT: 9.66 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.6	30.8





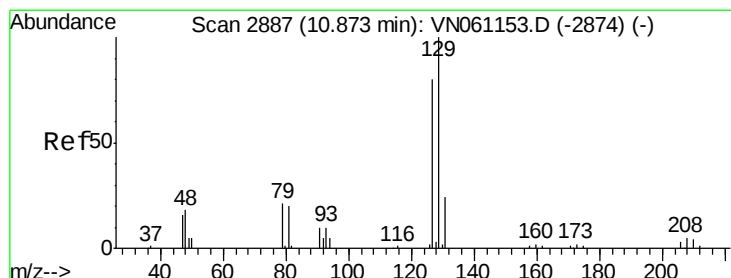
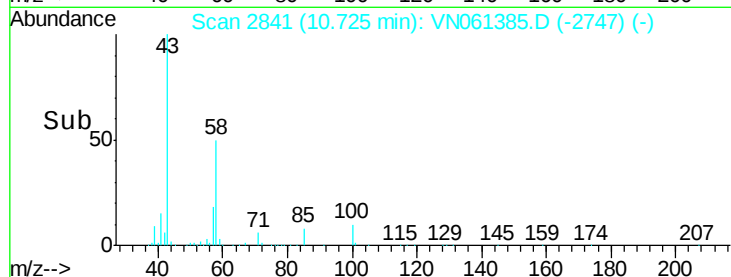
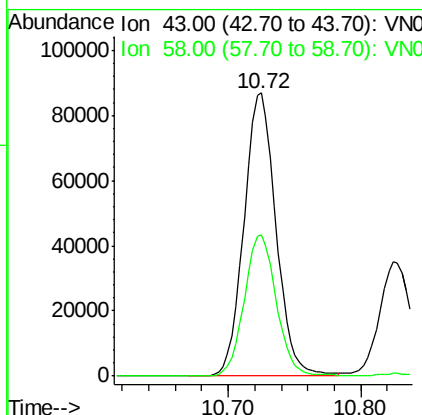
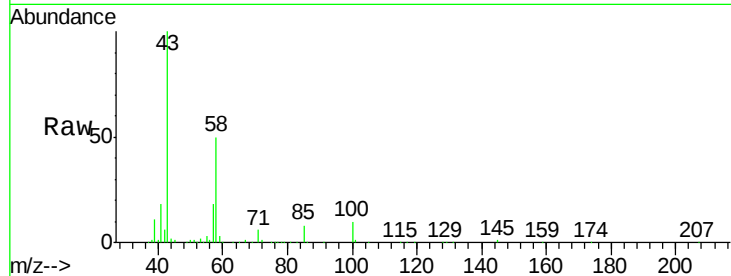
#59
2-Hexanone
Concen: 95.562 ug/l
RT: 10.72 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion: 43 Resp: 146062
Ion Ratio Lower Upper
43 100
58 50.0 25.4 76.4

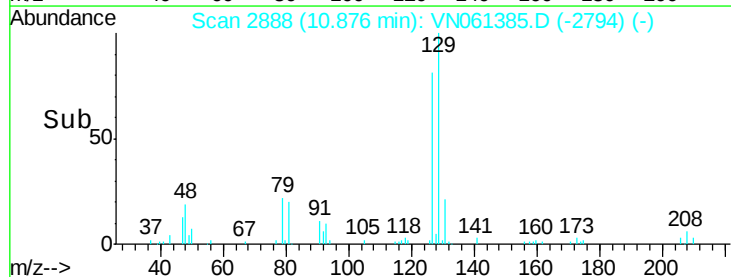
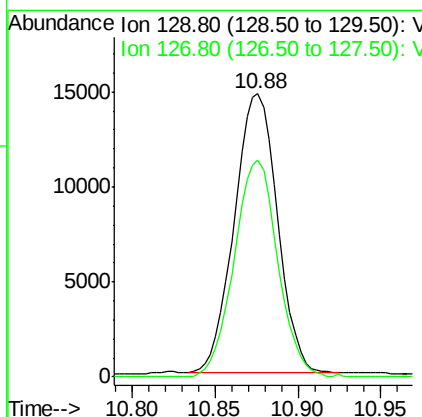
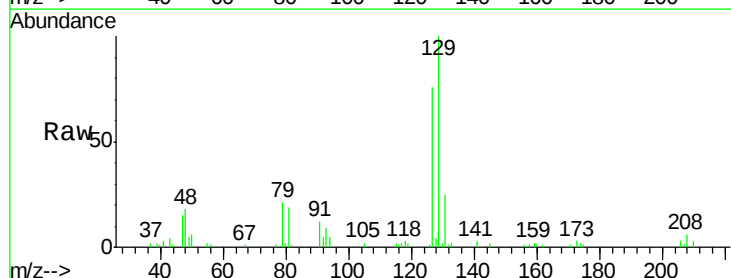
Manual Integrations
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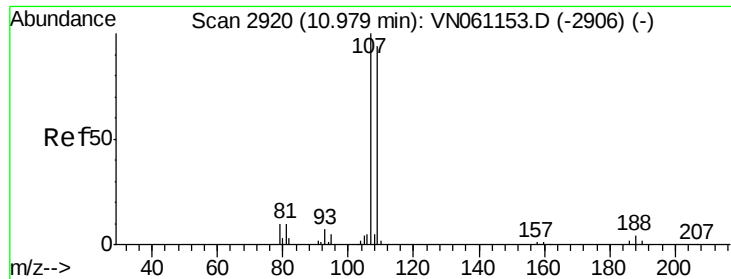
sam
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#60
Dibromochloromethane
Concen: 19.383 ug/l
RT: 10.88 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion: 129 Resp: 26657
Ion Ratio Lower Upper
129 100
127 77.9 39.3 117.8





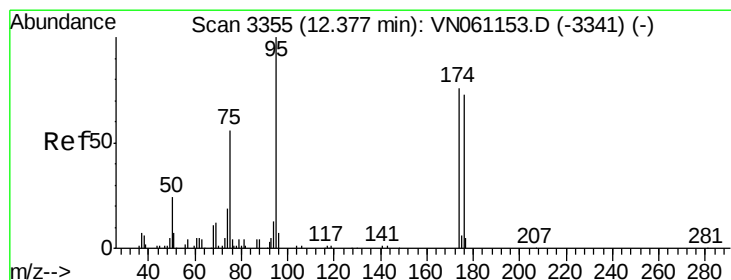
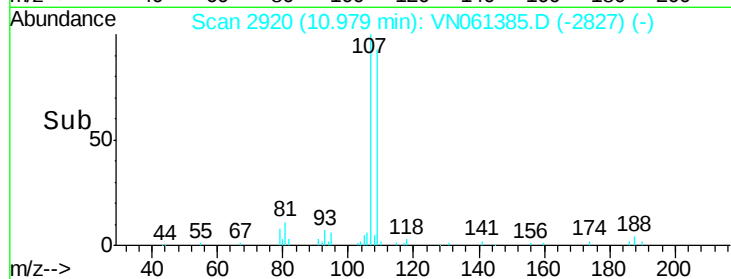
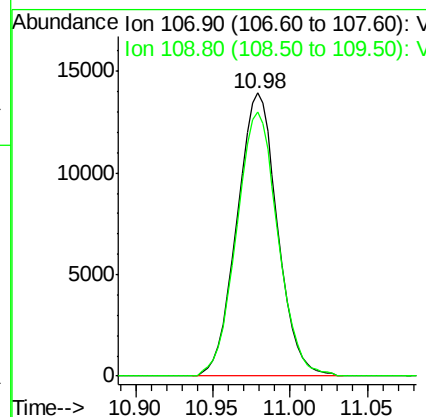
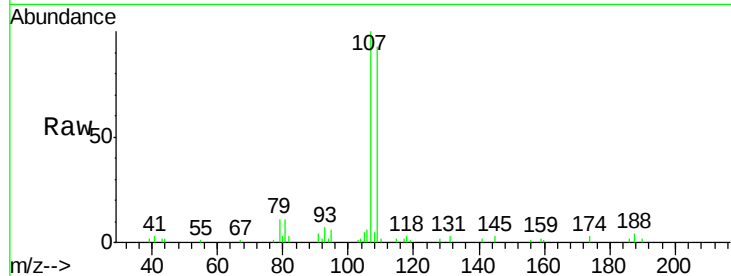
#61
 1,2-Dibromoethane
 Concen: 19.173 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.8	112.2

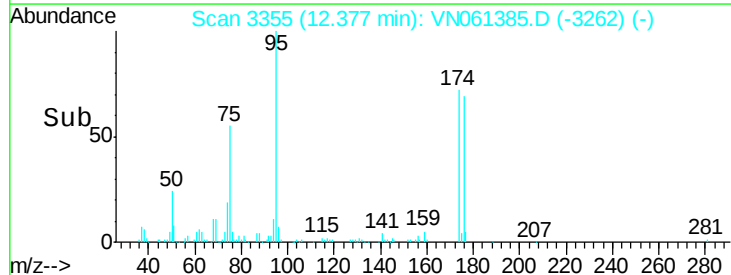
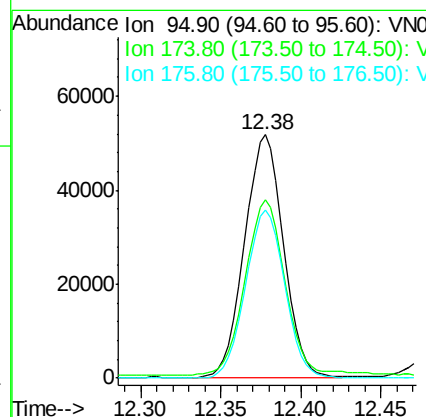
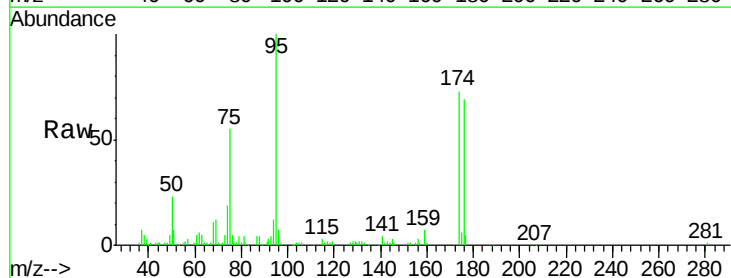
Manual Integrations
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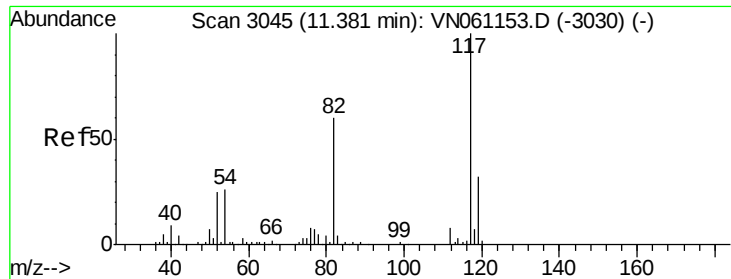
sam
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#62
 4-Bromofluorobenzene
 Concen: 51.313 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	149.4
176	70.0	0.0	144.8





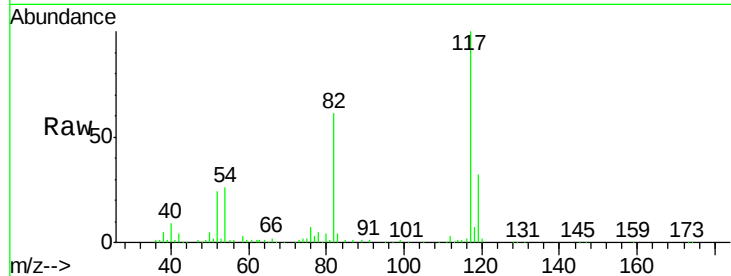
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	172291		
82	60.7	47.8	71.8	
119	31.8	25.8	38.6	

Manual Integrations
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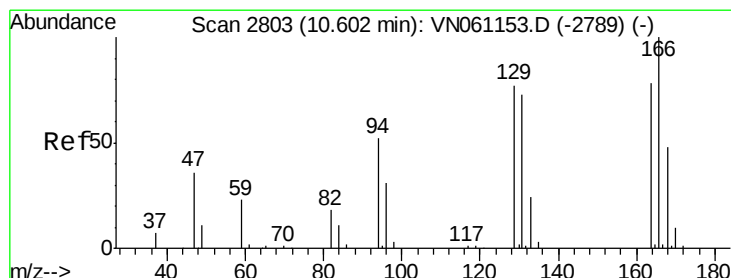
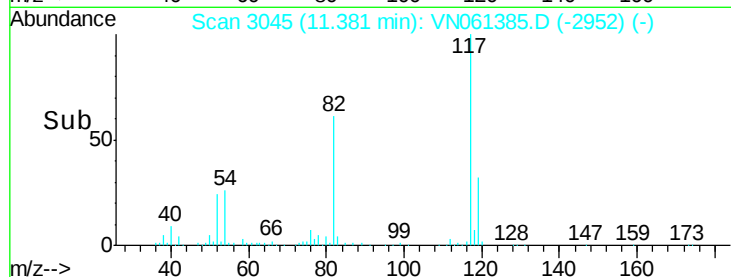
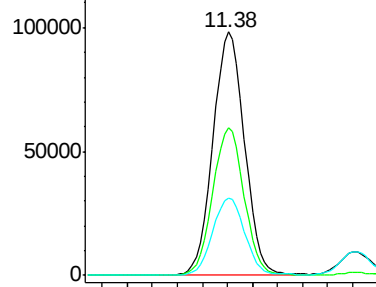


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 17.389 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25948		
166	122.2	102.0	153.0	
129	96.7	78.2	117.2	
131	93.9	74.5	111.7	

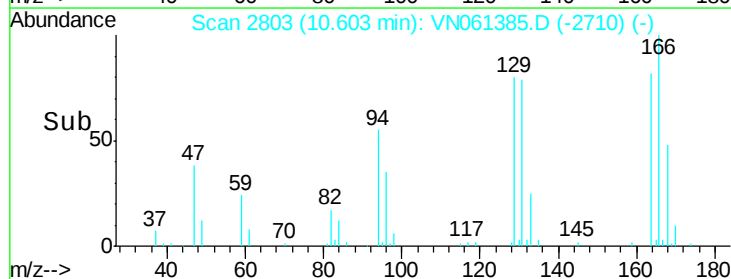
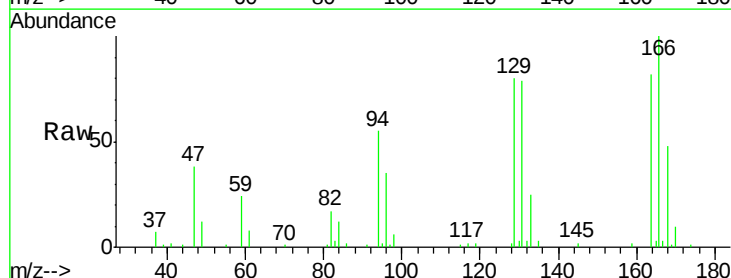
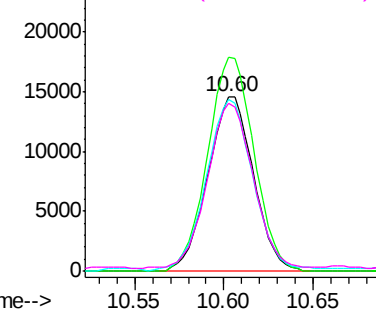
Abundance

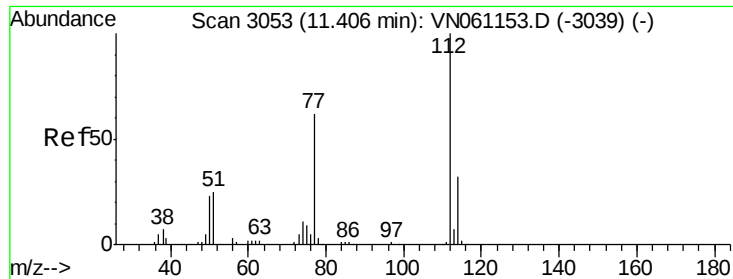
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





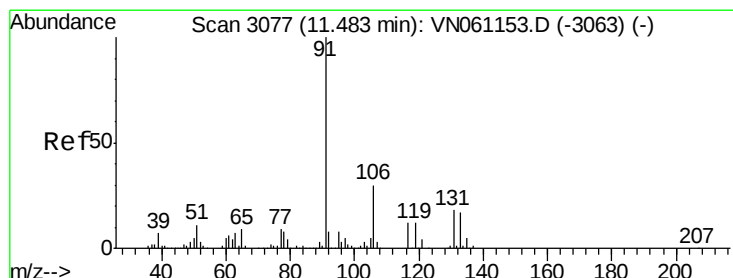
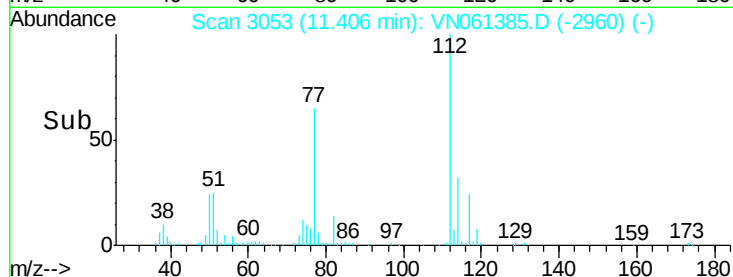
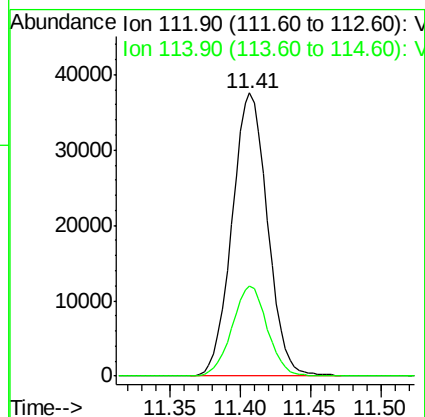
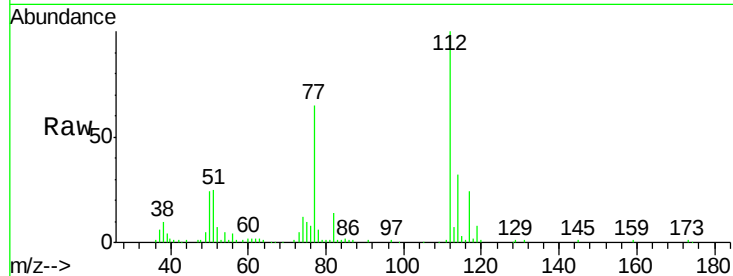
#65
Chlorobenzene
Concen: 19.353 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion:112 Resp: 66144
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

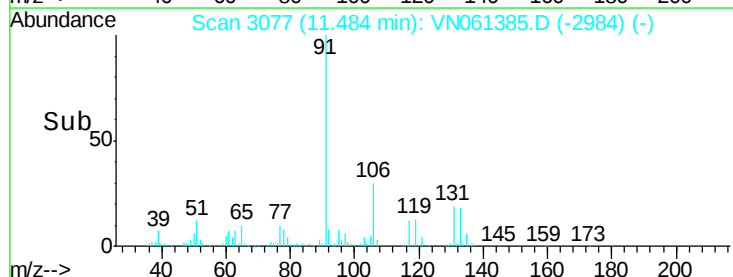
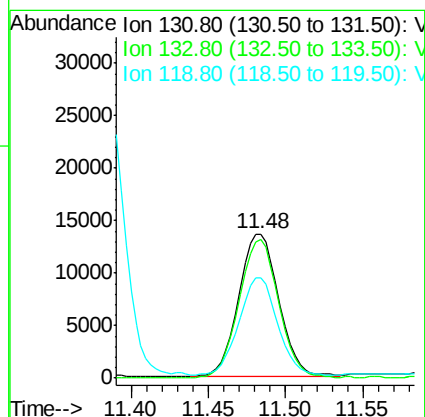
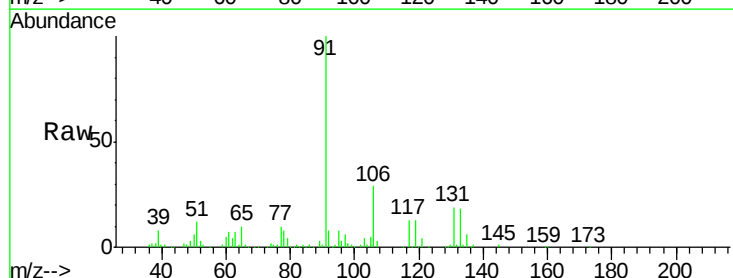
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.762 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:131 Resp: 24173
Ion Ratio Lower Upper
131 100
133 97.7 48.0 144.2
119 68.1 32.6 97.8





#67

Ethyl Benzene

Concen: 19.388 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampled :

VN0511WBSD01

Tot Ion: 91 Resp: 124040

Ion Ratio Lower Upper

91 100

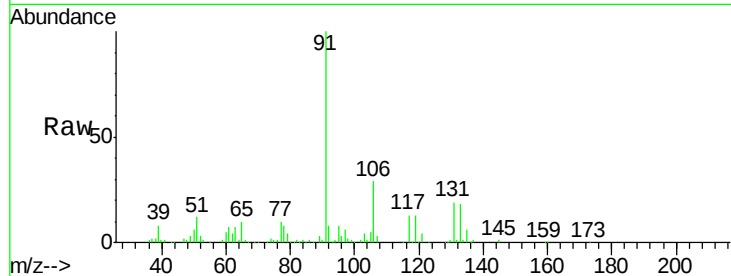
106 29.5 23.8 35.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061153.D (-3063) (-)

100000

80000

60000

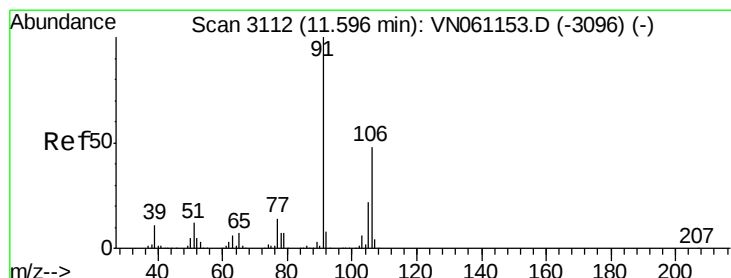
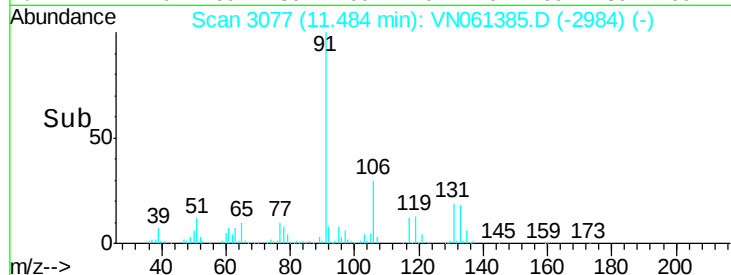
40000

20000

0

11.40 11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 38.098 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061385.D

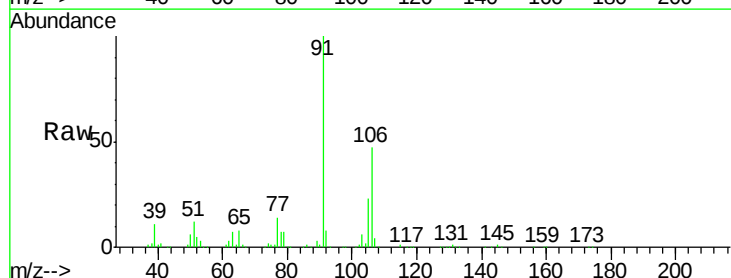
Acq: 11 May 2020 13:22

Tgt Ion: 106 Resp: 89219

Ion Ratio Lower Upper

106 100

91 212.1 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061153.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061153.D (-3096) (-)

100000

80000

60000

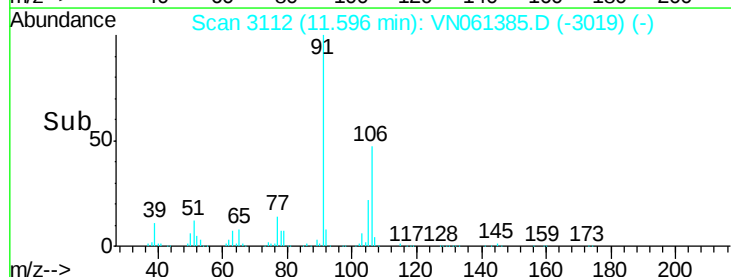
40000

20000

0

11.50 11.55 11.60 11.65

Time-->





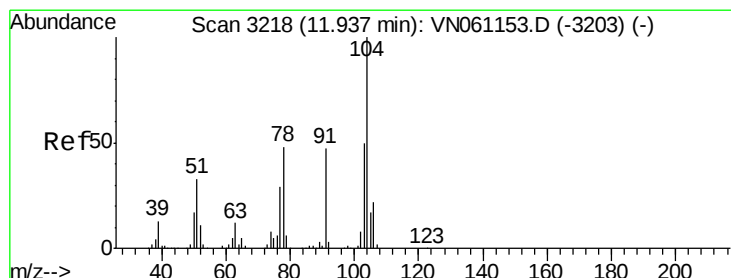
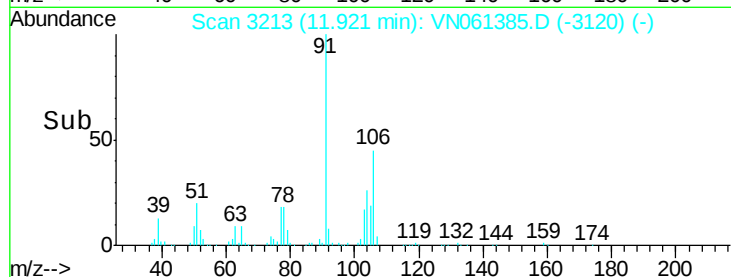
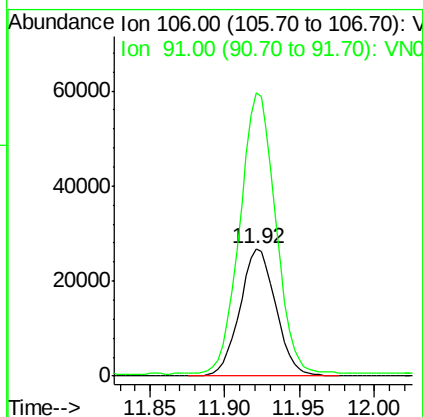
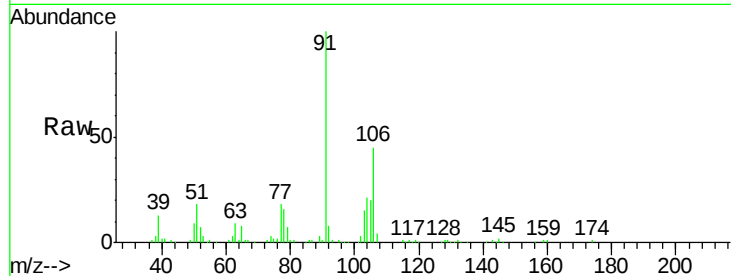
#69
o-Xylene
Concen: 19.970 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion:106 Resp: 44921
Ion Ratio Lower Upper
106 100
91 218.3 109.7 329.0

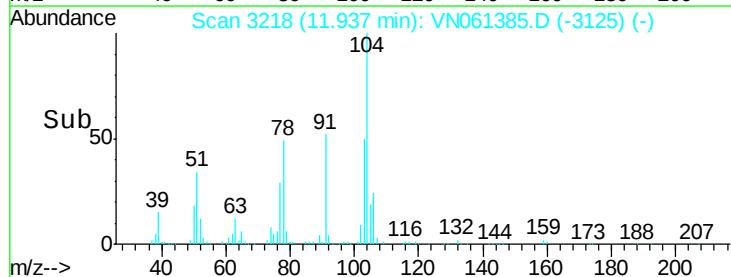
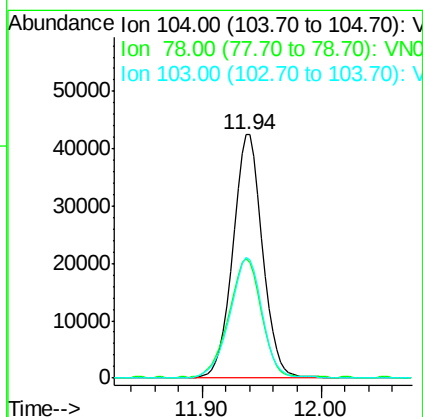
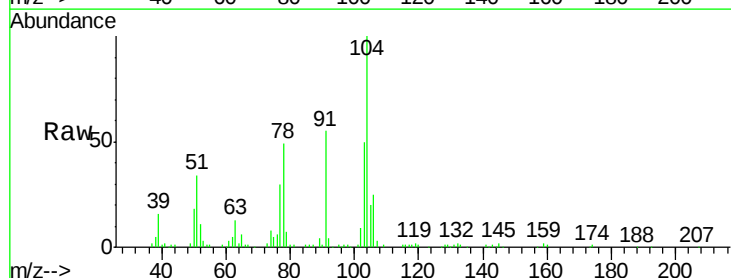
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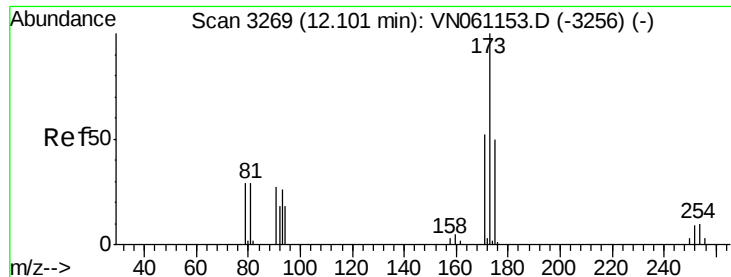
sam
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#70
Styrene
Concen: 19.490 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion:104 Resp: 73379
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 54.3 43.3 64.9





#71

Bromoform

Concen: 18.761 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion:173 Resp: 16866

Ion Ratio Lower Upper

173 100

175 53.2 24.1 72.4

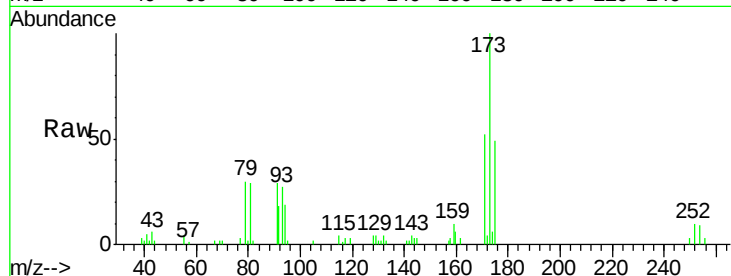
254 0.0 0.0 0.0

Manual Integrations

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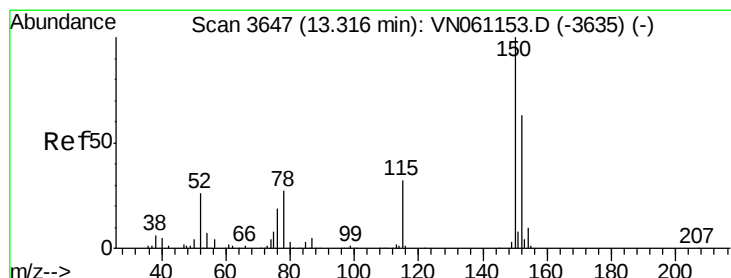
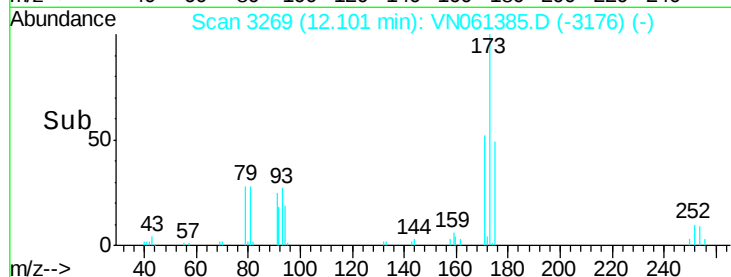
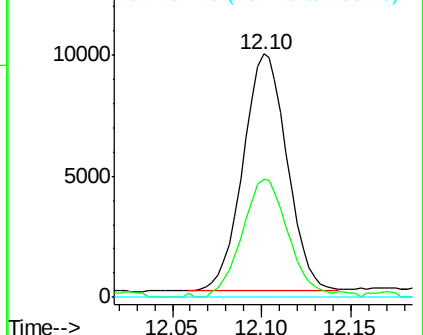
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

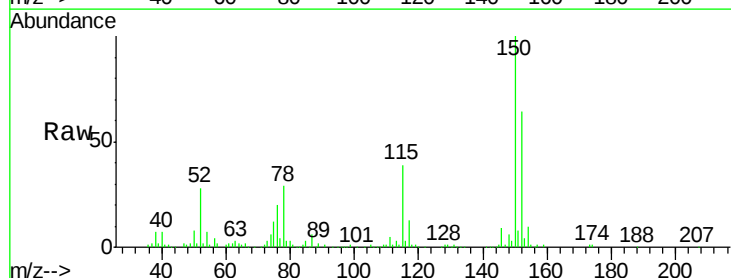
Tgt Ion:152 Resp: 80237

Ion Ratio Lower Upper

152 100

115 61.3 31.0 93.0

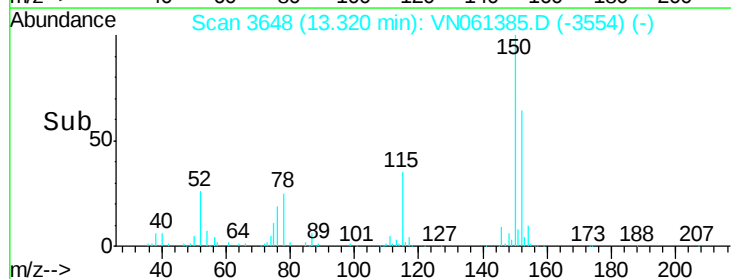
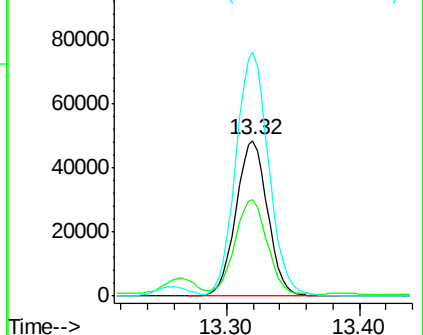
150 163.3 0.0 351.8



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: 20.174 ug/l

RT: 12.23 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion:105 Resp: 118999

Ion Ratio Lower Upper

105 100

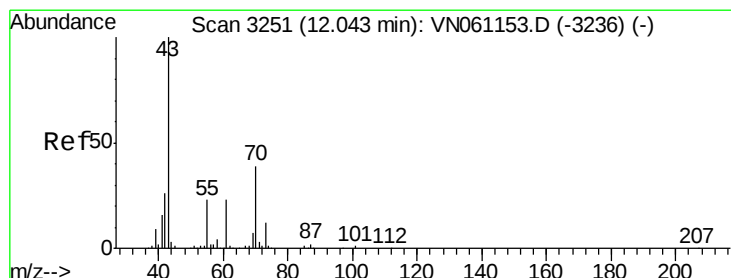
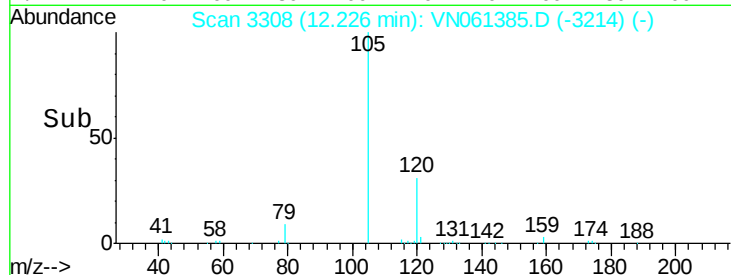
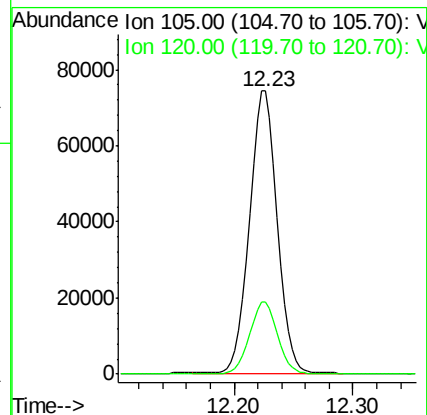
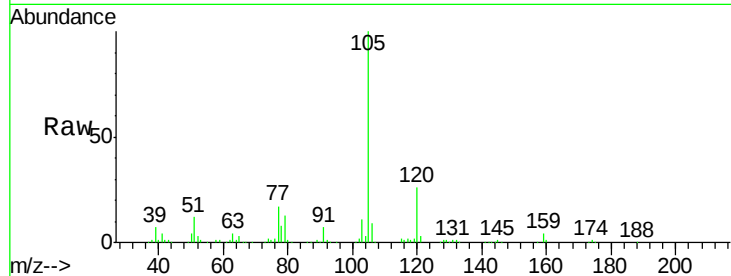
120 26.0 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.069 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion: 43 Resp: 56957

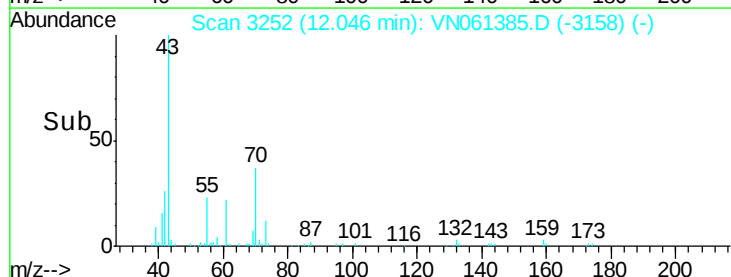
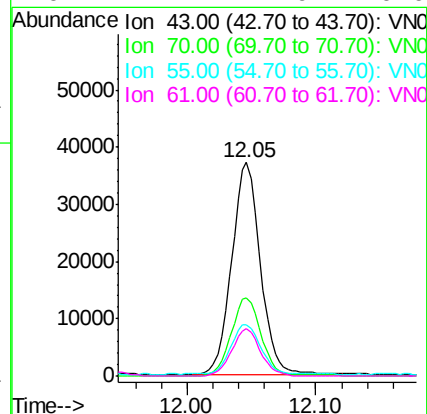
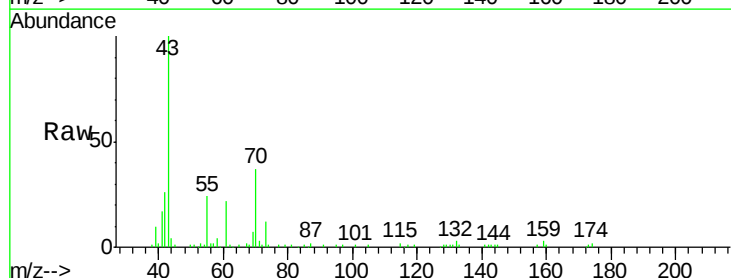
Ion Ratio Lower Upper

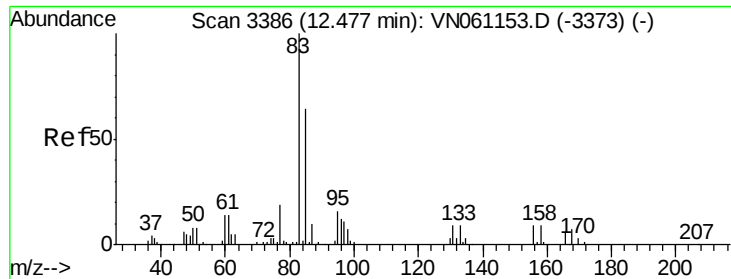
43 100

70 38.8 30.6 46.0

55 25.3 18.5 27.7

61 22.2 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.727 ug/l

RT: 12.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

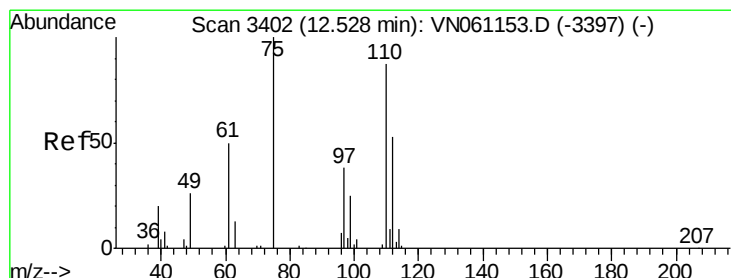
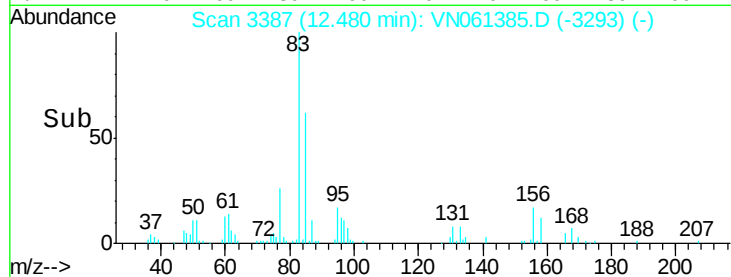
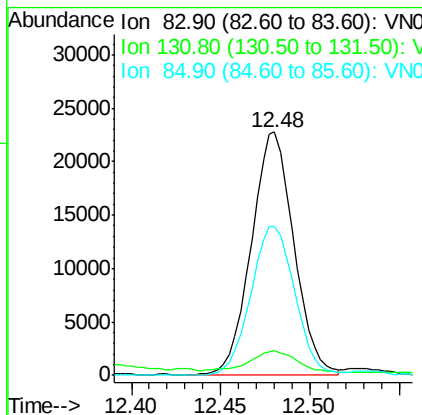
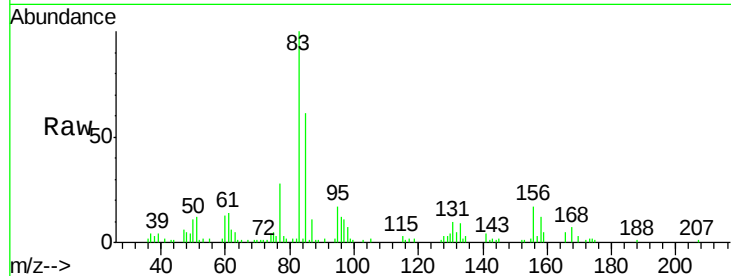
ClientSampleId :

VN0511WBSD01

Tot Ion:	83	Resp:	38122
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.8	14.3
85	63.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.604 ug/l m

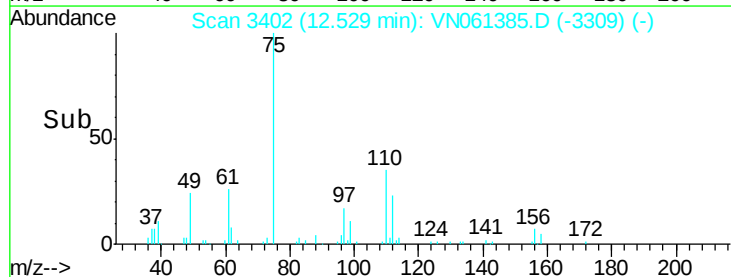
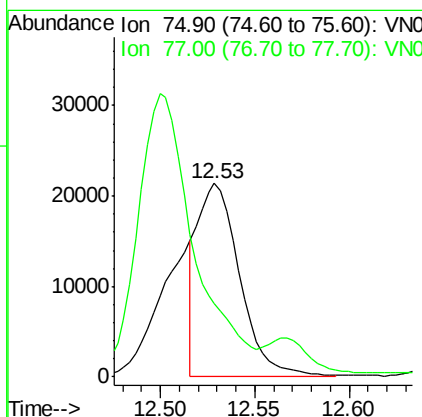
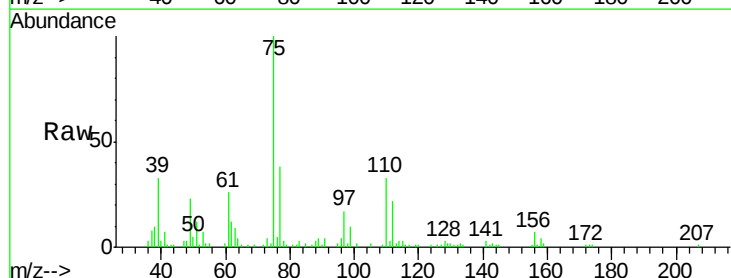
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	75	Resp:	33162
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.973 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

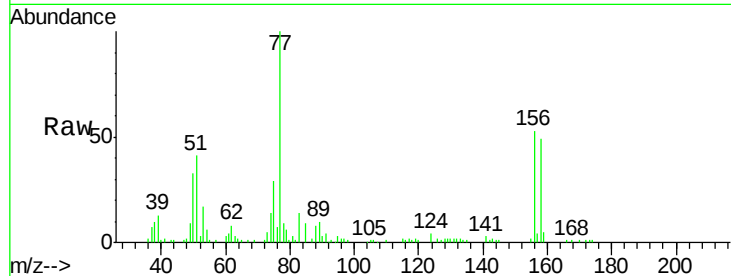
ClientSampleId :

VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.6	117.4	352.2
158	103.3	48.4	145.0

Manual Integrations
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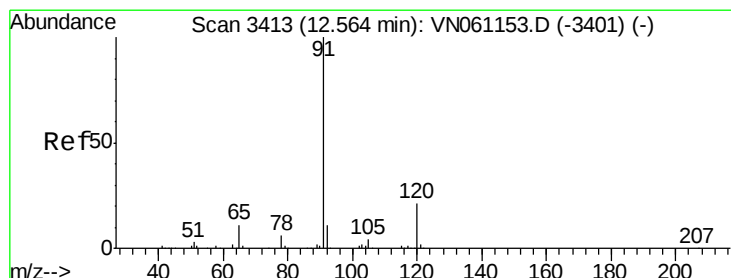
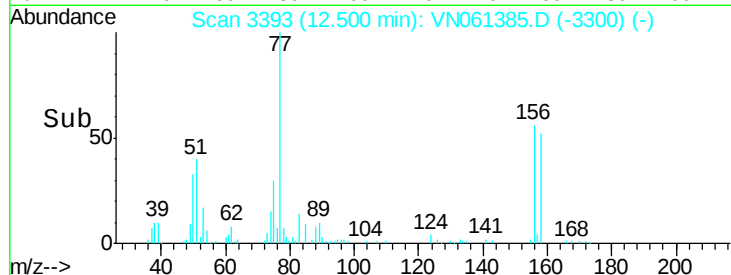
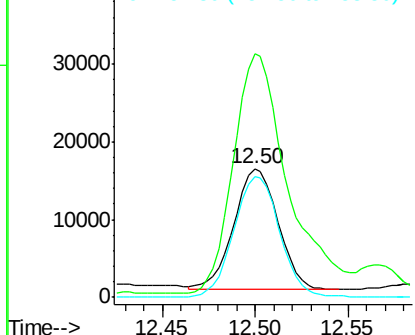
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.273 ug/l

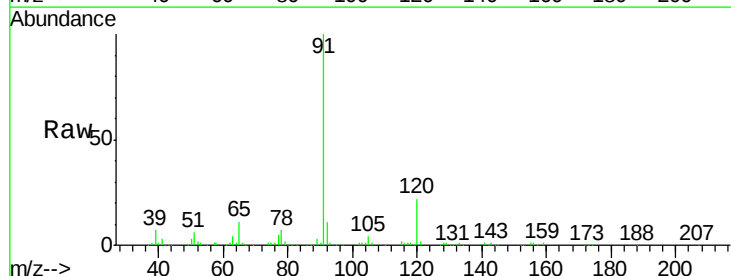
RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061385.D

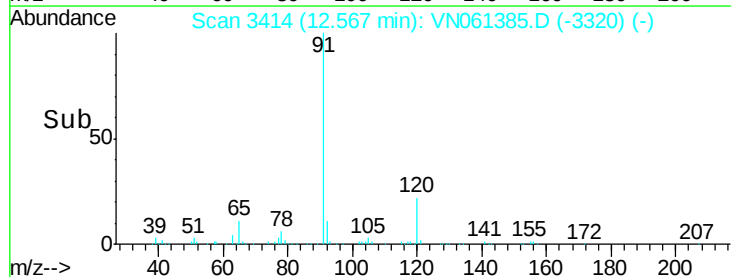
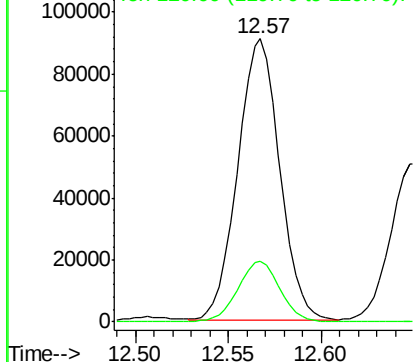
Acq: 11 May 2020 13:22

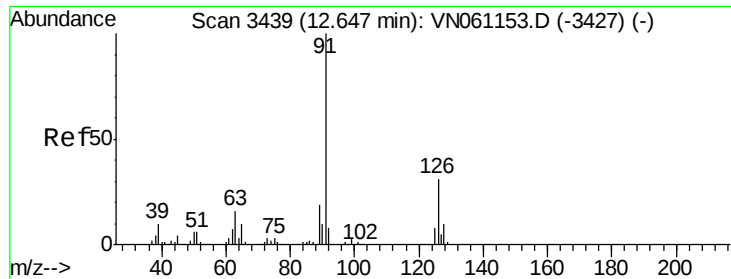
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.324 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

ClientSampleId :

VN0511WBSD01

Tot Ion: 91 Resp: 83580

Ion Ratio Lower Upper

91 100

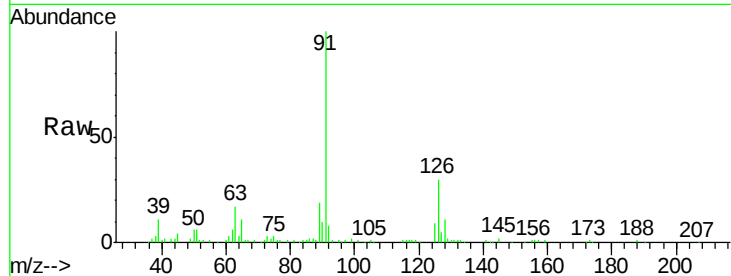
126 31.1 15.9 47.7

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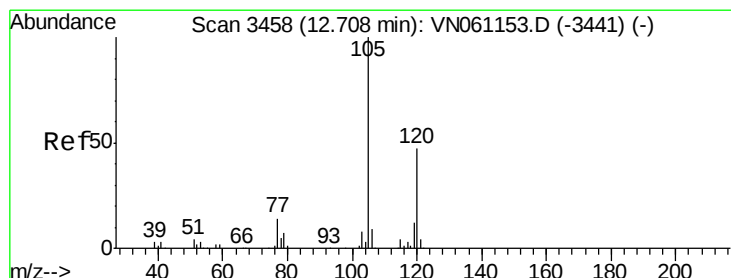
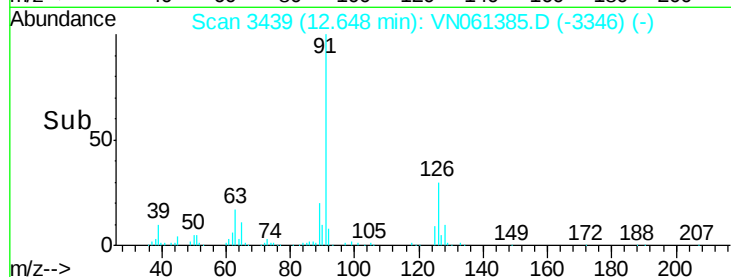
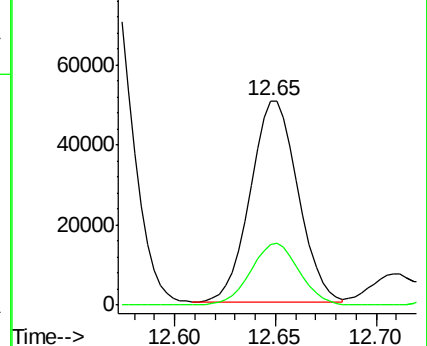
sam

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Abundance Ion 91.00 (90.70 to 91.70): VN061153.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061153.D (-3427) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.233 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061385.D

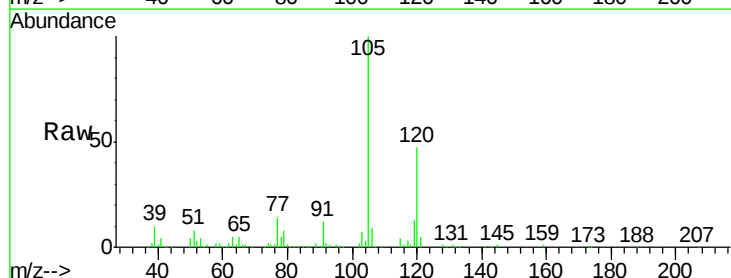
Acq: 11 May 2020 13:22

Tgt Ion: 105 Resp: 98776

Ion Ratio Lower Upper

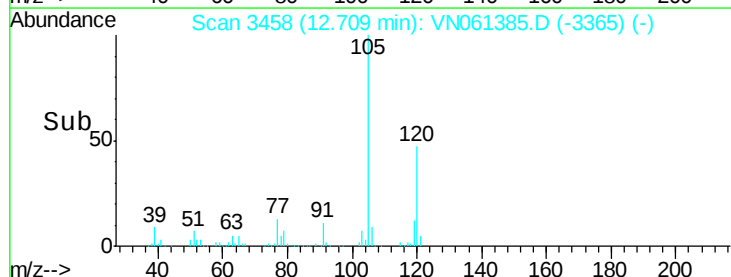
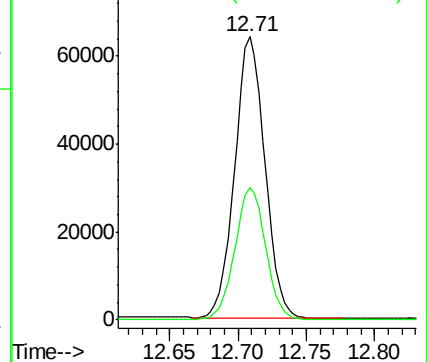
105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061153.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061153.D (-3441) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.420 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

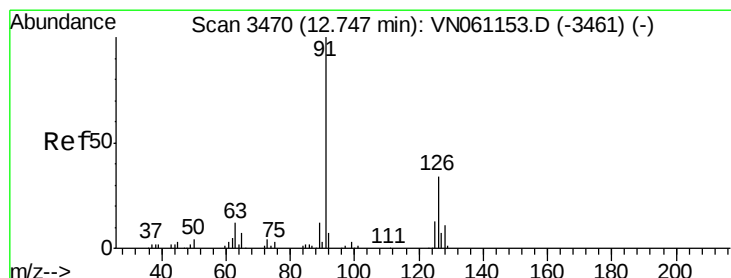
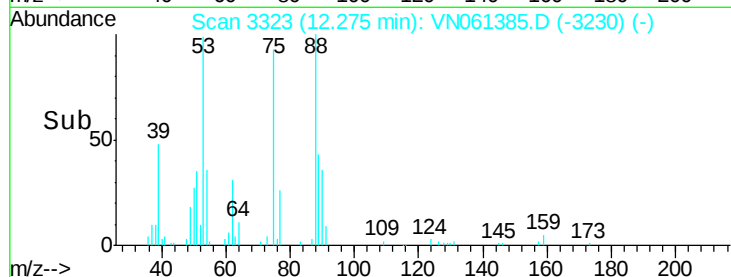
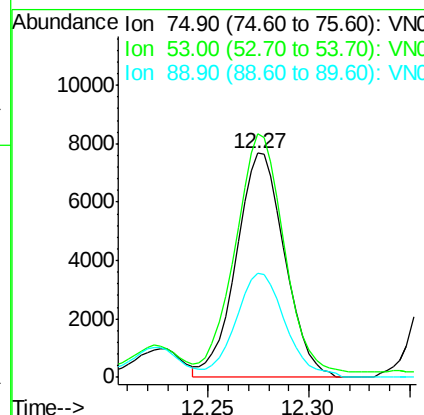
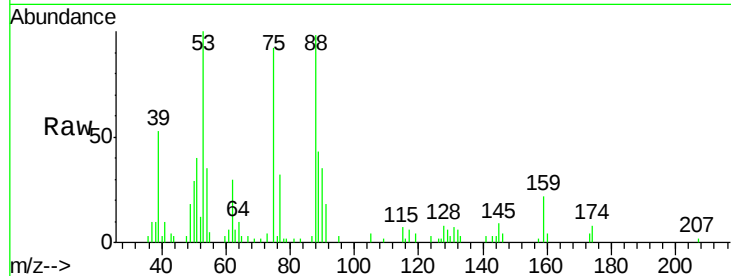
ClientSampleId :

VN0511WBSD01

Tot Ion:	75	Resp:	12936
Ion	Ratio	Lower	Upper
75	100		
53	105.1	84.1	126.1
89	47.5	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.589 ug/l

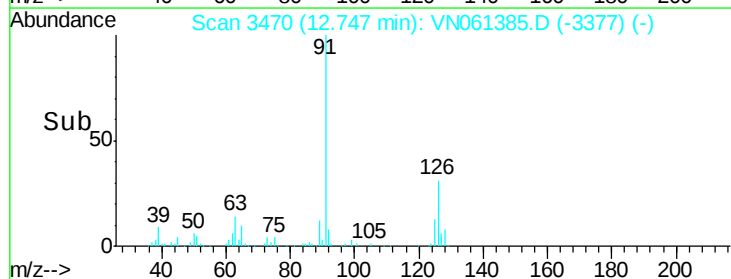
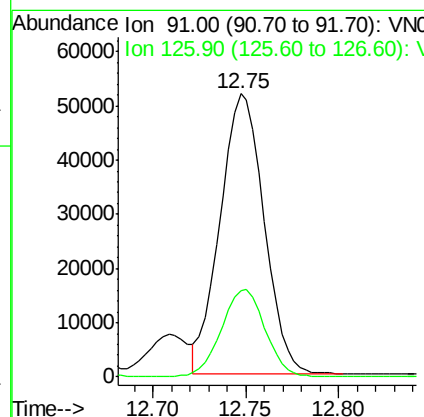
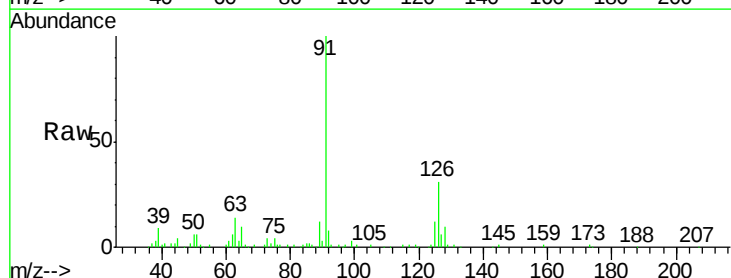
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	91	Resp:	84905
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.7	47.1





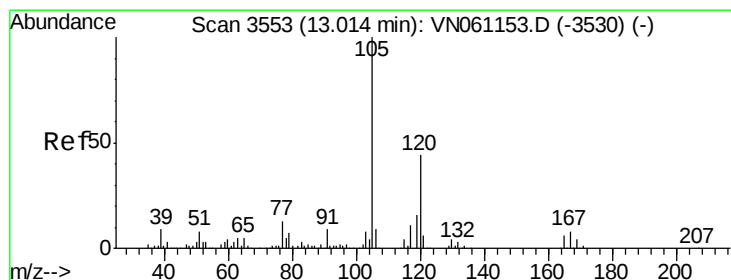
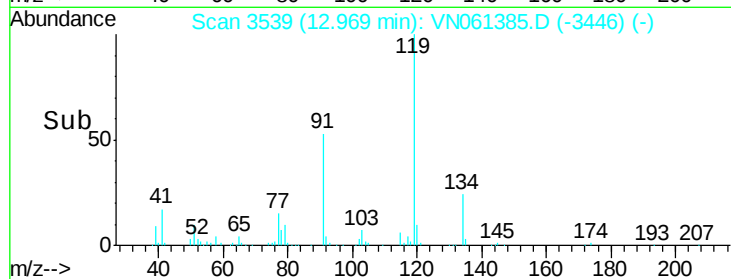
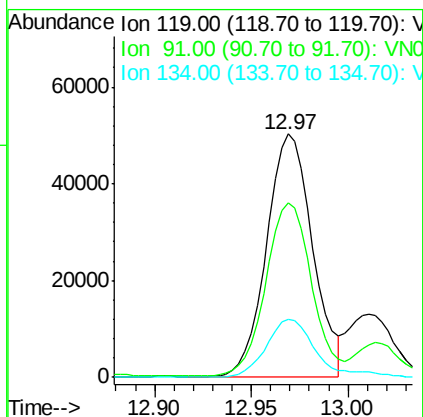
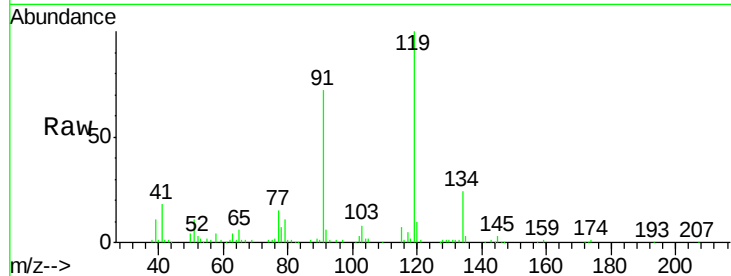
#83
 tert-Butylbenzene
 Concen: 20.086 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	34.8	104.4
134	26.1	12.9	38.7

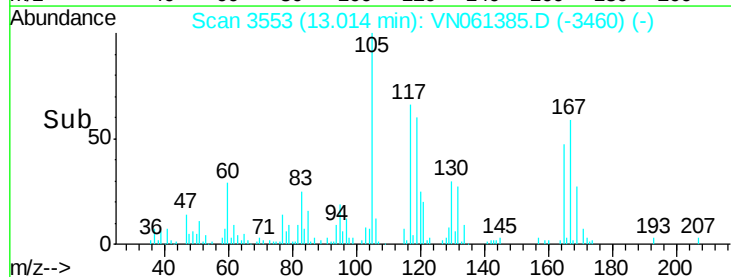
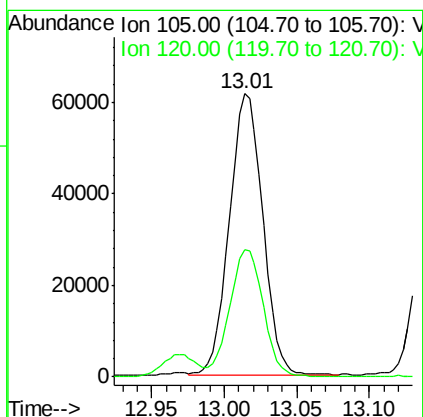
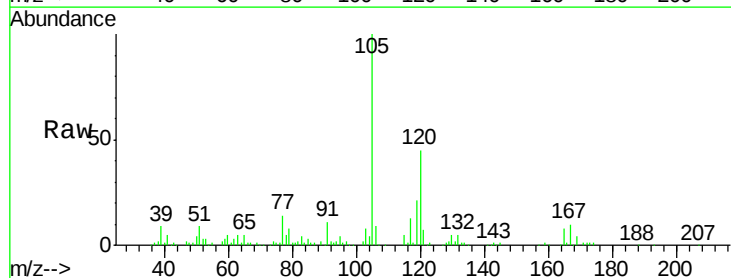
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.420 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.2	66.6





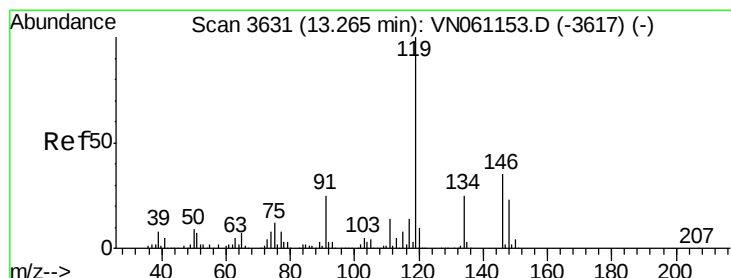
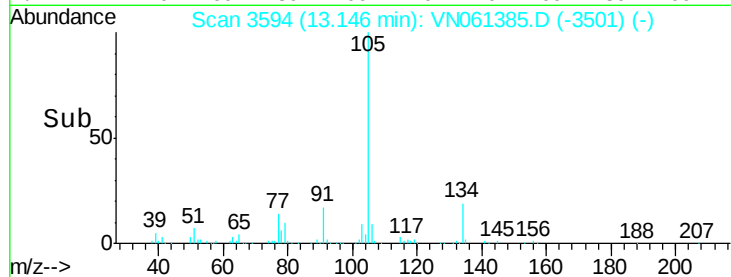
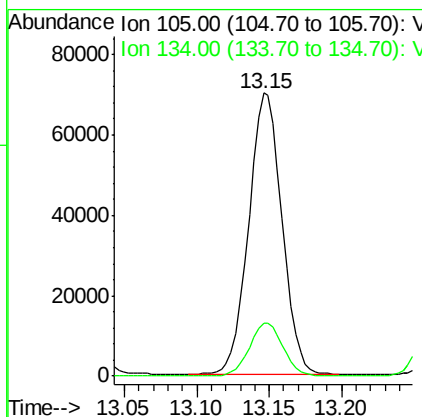
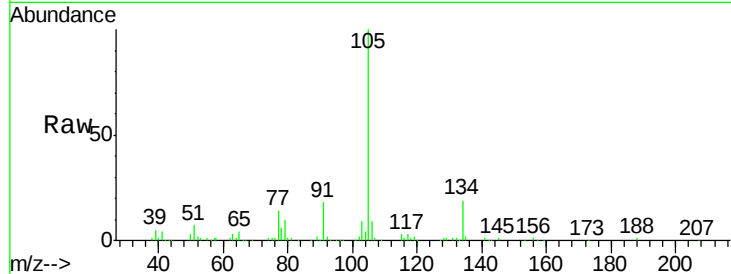
#85
 sec-Butylbenzene
 Concen: 19.834 ug/l
 RT: 13.15 min Scan# 3594
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.8

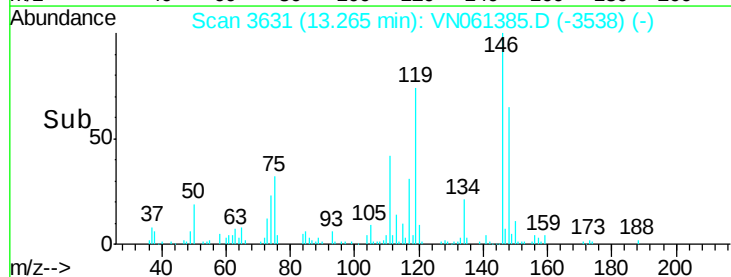
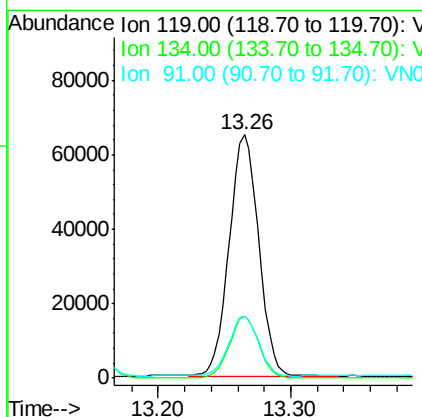
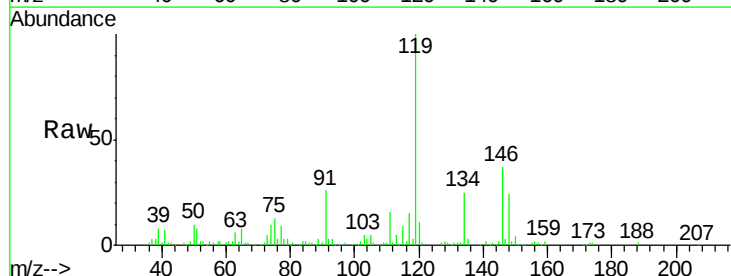
Manual Integrations
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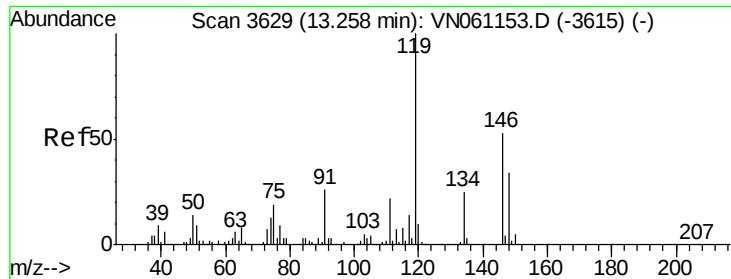
Sam
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#86
 p-Isopropyltoluene
 Concen: 19.777 ug/l
 RT: 13.26 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.6	37.6
91	25.1	12.7	38.0





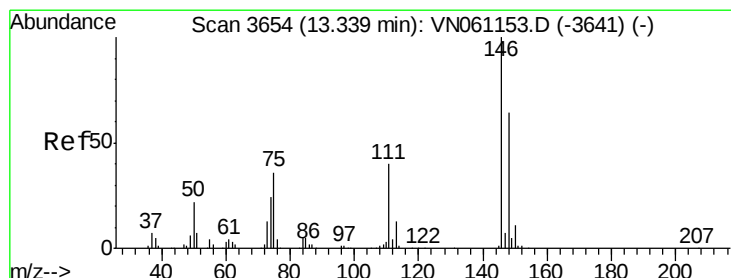
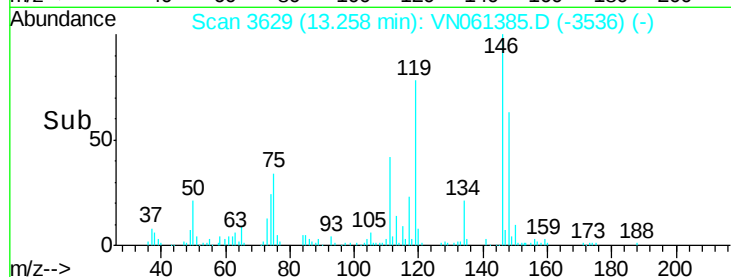
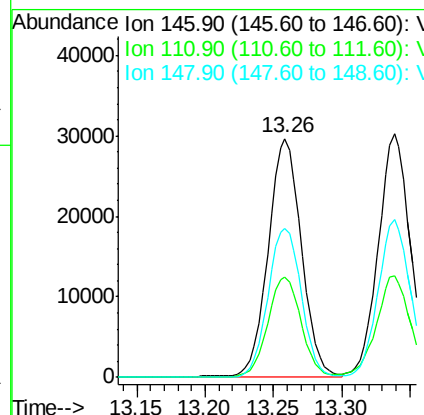
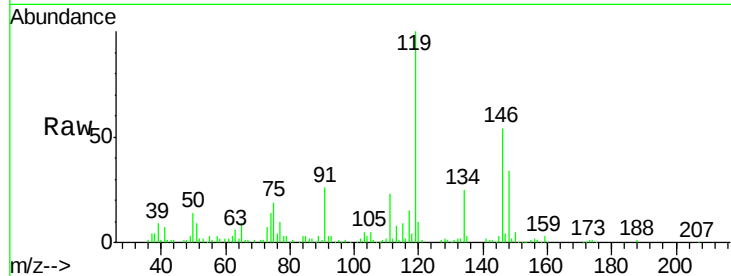
#87
 1,3-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	62.2	31.8	95.3

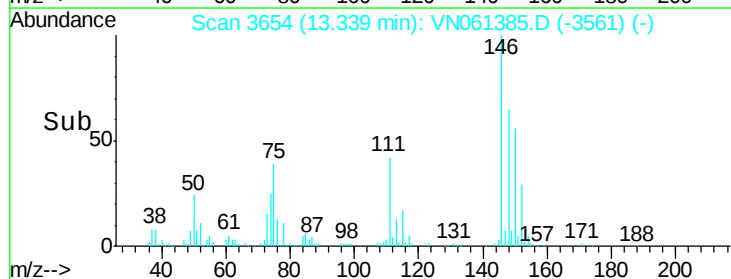
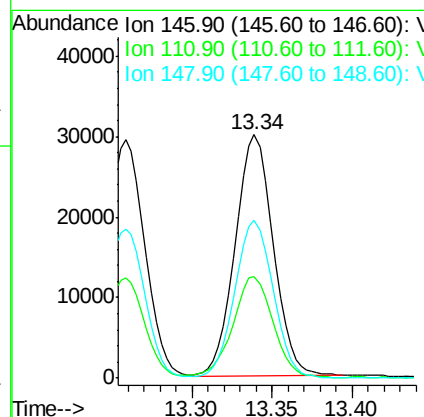
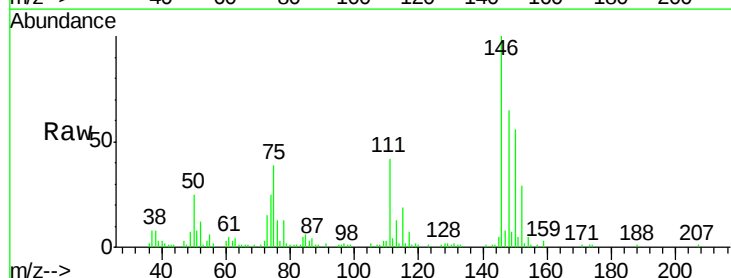
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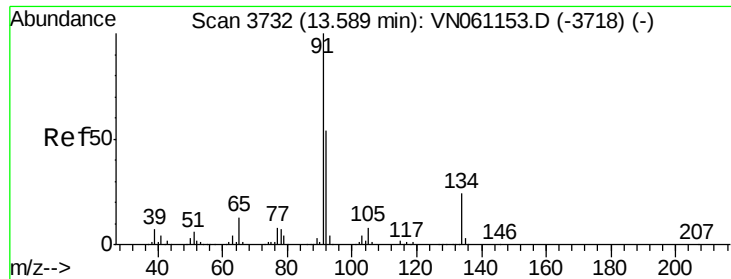
sam
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#88
 1,4-Dichlorobenzene
 Concen: 18.886 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.4	61.3
148	66.5	31.9	95.7





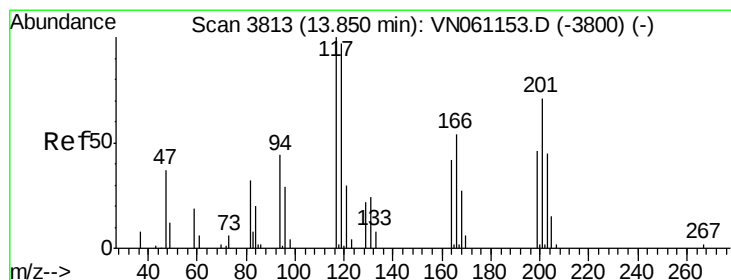
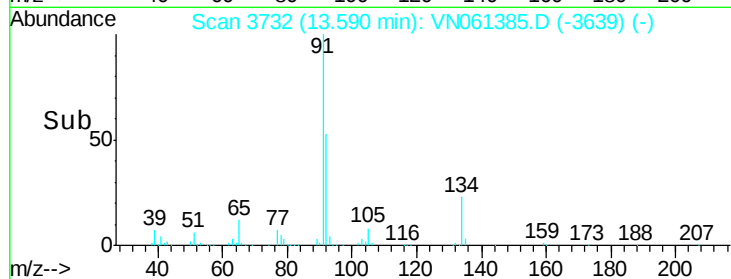
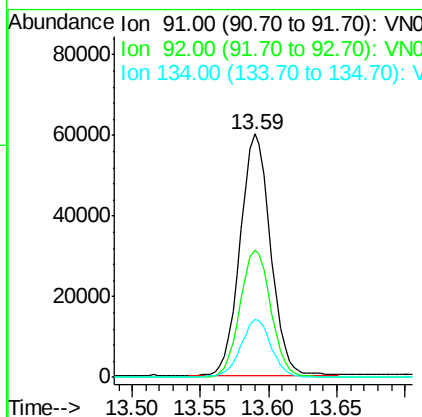
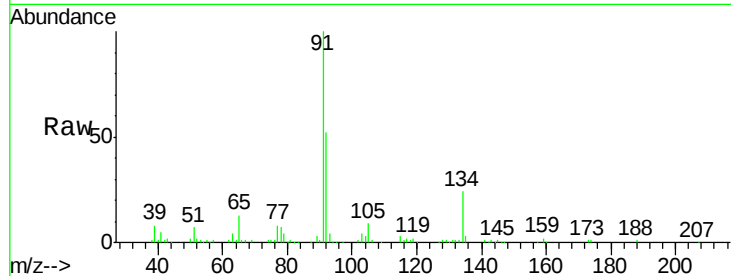
#89
n-Butylbenzene
Concen: 20.008 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Instrument :
MSVOA_N
ClientSampleId :
VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.3
134	24.5	11.9	35.5

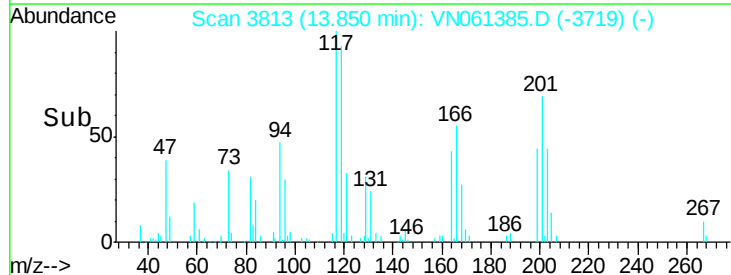
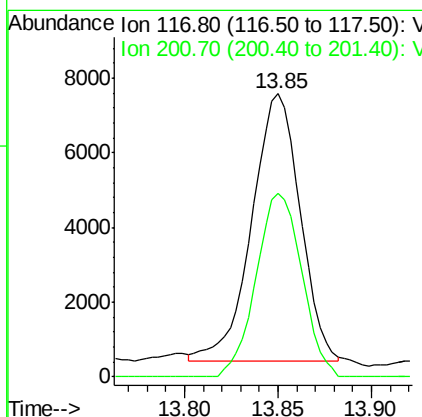
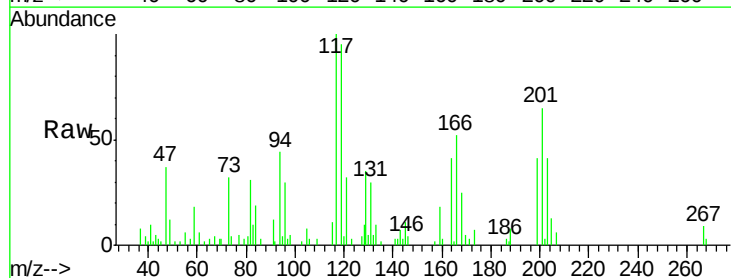
Manual Integrations
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#90
Hexachloroethane
Concen: 28.326 ug/l m
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061385.D
Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.4	35.5	106.7





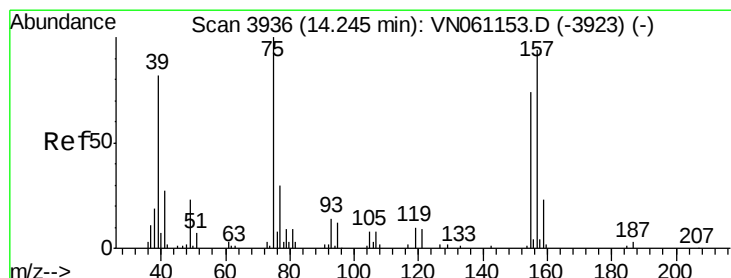
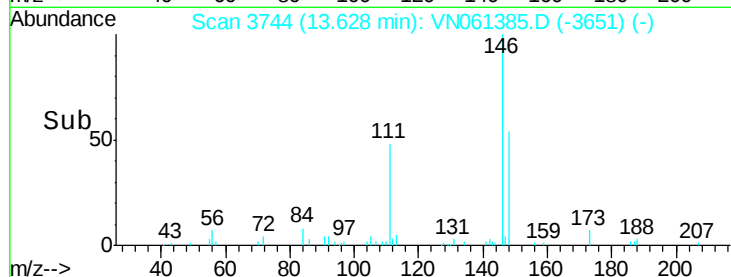
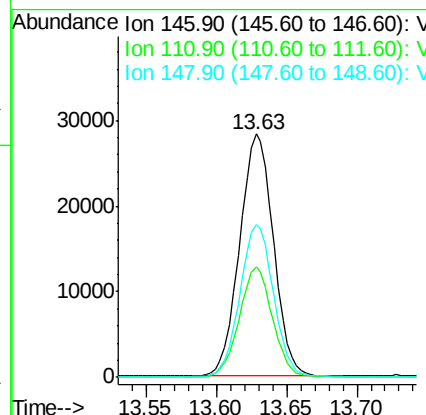
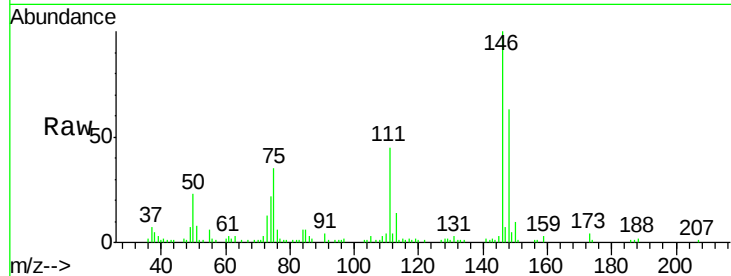
#91
 1,2-Dichlorobenzene
 Concen: 19.667 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.8	65.3
148	63.4	31.6	95.0

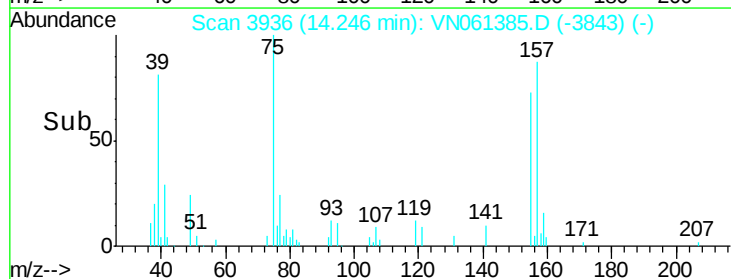
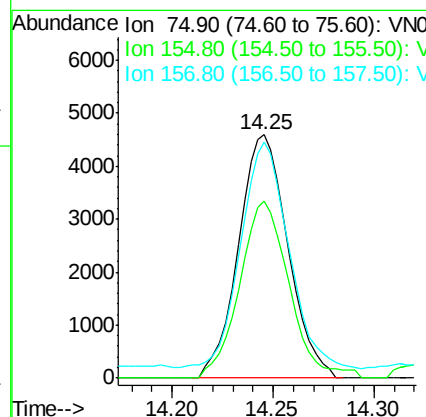
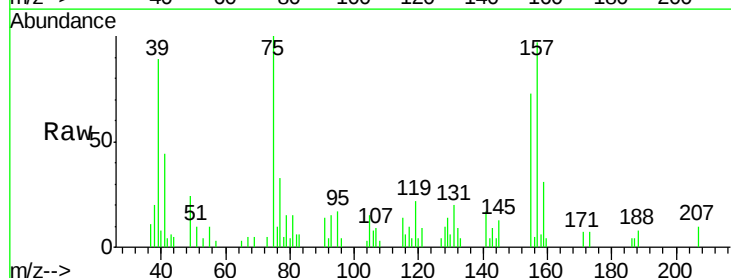
Manual Integrations
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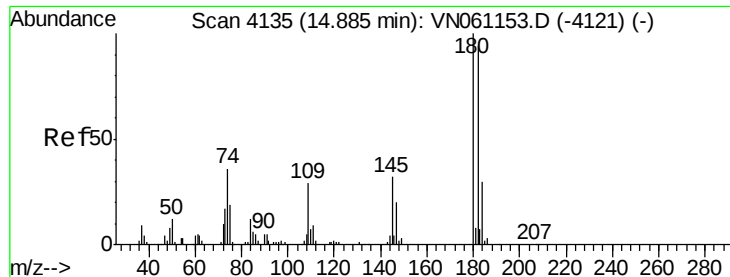
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.257 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	36.5	109.7
157	90.8	46.6	139.7





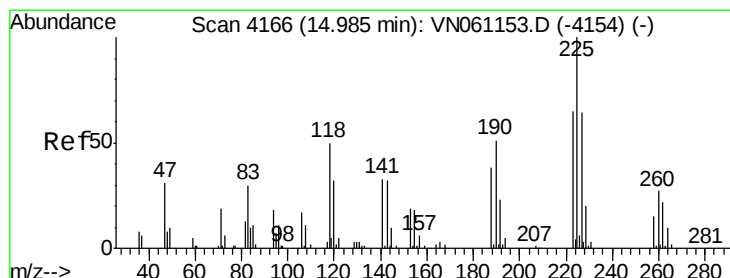
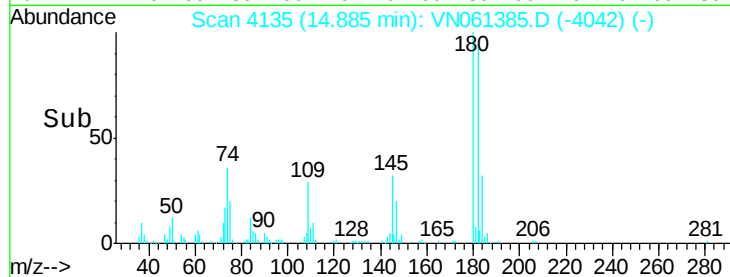
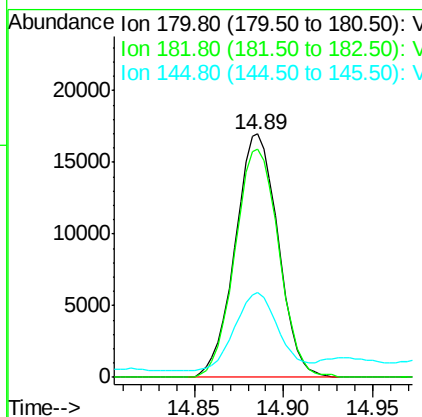
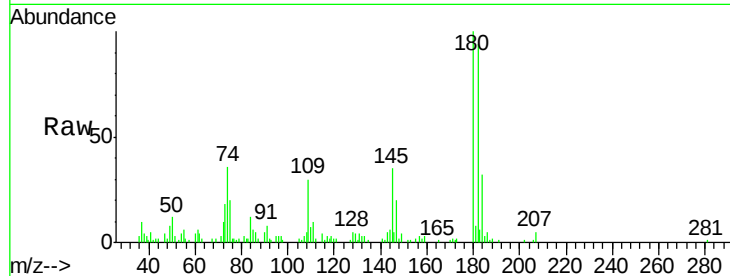
#93
 1,2,4-Trichlorobenzene
 Concen: 19.473 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0511WBSD01

Tot Ion:	180	Resp:	28501
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	141.9
145	32.6	16.0	47.9

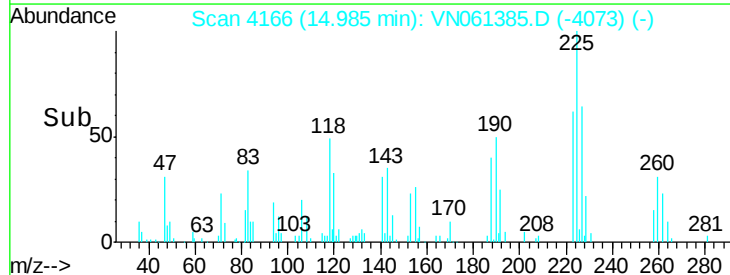
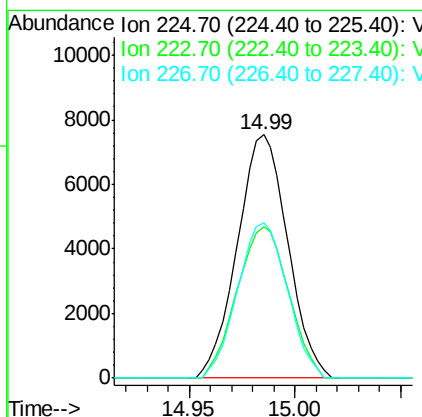
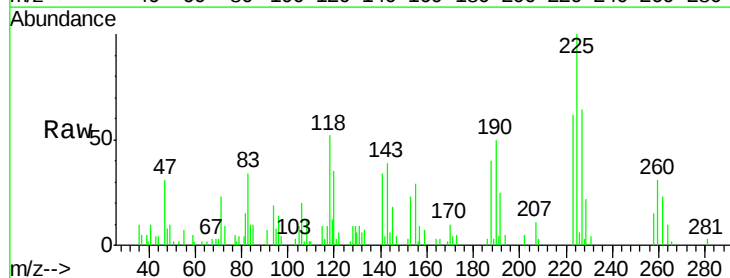
Manual Integrations
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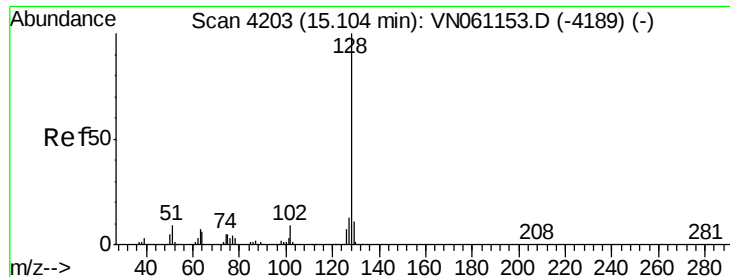
sam
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#94
 Hexachlorobutadiene
 Concen: 20.427 ug/l
 RT: 14.99 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061385.D
 Acq: 11 May 2020 13:22

Tgt Ion:	225	Resp:	12490
Ion Ratio	Lower	Upper	
225	100		
223	63.7	32.4	97.0
227	62.9	32.4	97.0





#95

Naphthalene

Concen: 19.478 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Instrument :

MSVOA_N

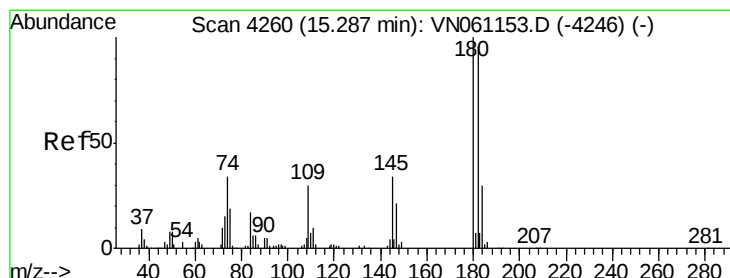
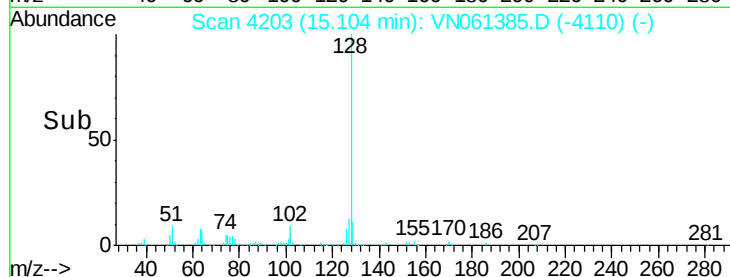
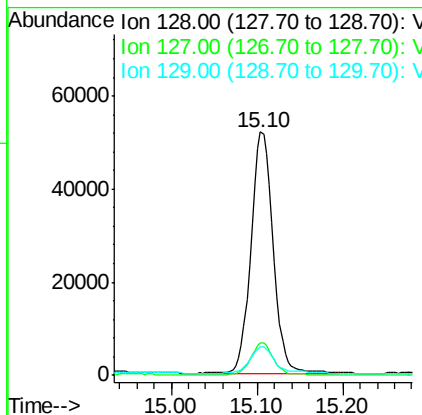
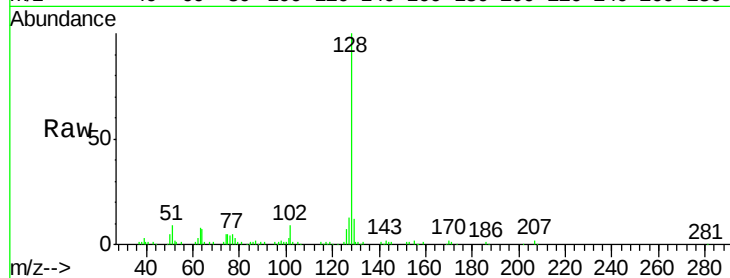
ClientSampleId :

VN0511WBSD01

Tot Ion:	128	Resp:	92845
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	11.7	8.7	13.1

Manual Integrations
APPROVED

sam
5/12/2020 3:34:07 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.437 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061385.D

Acq: 11 May 2020 13:22

Tgt Ion:	180	Resp:	28087
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.5	142.5
145	35.6	16.9	50.7

