

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060135.D
 Acq On : 18 Feb 2020 11:35
 Operator : JC/MD
 Sample : VN0218WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:05:59 PM

Quant Time: Feb 19 01:33:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	115643	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.57	113	92338	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.08	98	356688	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	128660	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37434	19.848	ug/l	98
3) Chloromethane	2.04	50	41803	18.625	ug/l	94
4) Vinyl Chloride	2.17	62	47688	18.640	ug/l	99
5) Bromomethane	2.55	94	29663	18.909	ug/l	97
6) Chloroethane	2.69	64	24221	18.718	ug/l	99
7) Trichlorofluoromethane	3.00	101	62816	19.044	ug/l	98
8) Diethyl Ether	3.39	74	22042	20.075	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34602	18.895	ug/l	99
10) Methyl Iodide	3.93	142	45792	20.170	ug/l	99
11) Tert butyl alcohol	4.73	59	33080	96.279	ug/l	98
12) 1,1-Dichloroethene	3.72	96	33719	18.901	ug/l	97
13) Acrolein	3.58	56	25705	75.689	ug/l	95
14) Allyl chloride	4.30	41	48946	18.641	ug/l	97
15) Acrylonitrile	4.94	53	83031	98.955	ug/l	99
16) Acetone	3.78	43	84900	84.773	ug/l	97
17) Carbon Disulfide	4.03	76	96645	17.973	ug/l	98
18) Methyl Acetate	4.29	43	37589	19.980	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	114866	19.146	ug/l	98
20) Methylene Chloride	4.52	84	37528	18.782	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	37376	19.220	ug/l	96
22) Diisopropyl ether	5.91	45	108685	18.887	ug/l	99
23) Vinyl Acetate	5.86	43	460966	95.389	ug/l	100
24) 1,1-Dichloroethane	5.81	63	65874	18.897	ug/l	99
25) 2-Butanone	6.80	43	114856	91.187	ug/l	97
26) 2,2-Dichloropropane	6.79	77	61494	18.572	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	42162	18.526	ug/l	98
28) Bromochloromethane	7.16	49	25765	18.800	ug/l	98
29) Tetrahydrofuran	7.18	42	74527	96.448	ug/l	98
30) Chloroform	7.35	83	69071	18.915	ug/l	99
31) Cyclohexane	7.63	56	60207	18.540	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	63398	18.998	ug/l	100
36) 1,1-Dichloropropene	7.77	75	50554	18.490	ug/l	98
37) Ethyl Acetate	6.89	43	48408	19.590	ug/l	99
38) Carbon Tetrachloride	7.75	117	54909	18.492	ug/l	99

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Manual Integrations
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 2/19/2020 5:05:59 PM

Quant Time: Feb 19 01:33:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	63545	18.723	ug/l	99
40) Benzene	8.02	78	153969	18.984	ug/l	100
41) Methacrylonitrile	7.15	41	19534m	18.850	ug/l	
42) 1,2-Dichloroethane	8.10	62	54919	19.320	ug/l	100
43) Isopropyl Acetate	8.14	43	83148	19.684	ug/l	98
44) Trichloroethene	8.82	130	42093	18.743	ug/l	97
45) 1,2-Dichloropropane	9.10	63	39530	19.687	ug/l	99
46) Dibromomethane	9.19	93	27256	19.208	ug/l	99
47) Bromodichloromethane	9.39	83	55164	19.122	ug/l	97
48) Methyl methacrylate	9.18	41	35873	18.928	ug/l	98
49) 1,4-Dioxane	9.18	88	12765	394.212	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	236351	96.669	ug/l	100
52) Toluene	10.14	92	96843	18.620	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	60677	18.634	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	65127	18.993	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	37936	18.697	ug/l	96
56) Ethyl methacrylate	10.42	69	54125	18.857	ug/l	99
57) 1,3-Dichloropropane	10.70	76	63885	19.081	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	130130	97.316	ug/l	97
59) 2-Hexanone	10.74	43	176720	93.569	ug/l	100
60) Dibromochloromethane	10.89	129	44015	18.903	ug/l	98
61) 1,2-Dibromoethane	10.99	107	39942	18.778	ug/l	99
64) Tetrachloroethene	10.62	164	39583	19.002	ug/l	99
65) Chlorobenzene	11.43	112	104472	18.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40228	19.048	ug/l	100
67) Ethyl Benzene	11.50	91	188379	18.709	ug/l	100
68) m/p-Xylenes	11.62	106	139469	36.906	ug/l	99
69) o-Xylene	11.94	106	67846	18.646	ug/l	99
70) Styrene	11.96	104	107882	18.386	ug/l	99
71) Bromoform	12.12	173	31898	18.778	ug/l #	97
73) Isopropylbenzene	12.25	105	184448	18.816	ug/l	99
74) N-amyl acetate	12.07	43	67012	18.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55263	19.586	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50057m	19.931	ug/l	
77) Bromobenzene	12.52	156	46023	18.918	ug/l	100
78) n-propylbenzene	12.59	91	208585	18.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	122937	18.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	154613	18.970	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19201	18.719	ug/l	98
82) 4-Chlorotoluene	12.77	91	123663	18.361	ug/l	98
83) tert-Butylbenzene	12.99	119	132170	18.331	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	155621	19.343	ug/l	100
85) sec-Butylbenzene	13.17	105	178881	18.734	ug/l	99
86) p-Isopropyltoluene	13.28	119	162889	18.828	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	80735	18.749	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79343	18.429	ug/l	97
89) n-Butylbenzene	13.61	91	138422	18.191	ug/l	99
90) Hexachloroethane	13.87	117	29639	18.338	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79779	18.931	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11115	18.034	ug/l	99

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Quant Time: Feb 19 01:33:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45433	18.348	ug/l	99
94) Hexachlorobutadiene	15.01	225	26054	17.973	ug/l	99
95) Naphthalene	15.13	128	118443	17.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45009	18.253	ug/l	99

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

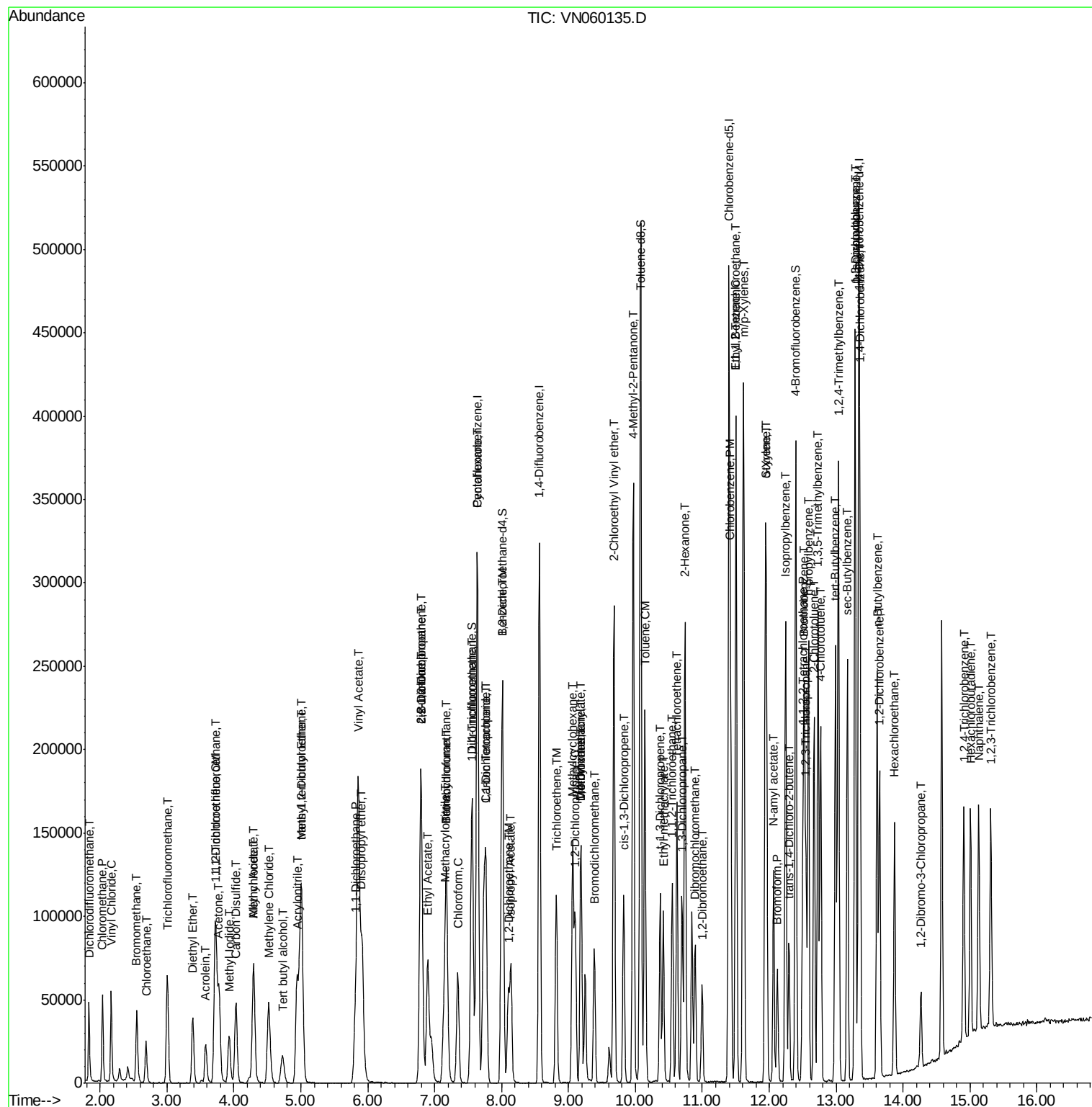
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 Data File : VN060135.D
 Acq On : 18 Feb 2020 11:35
 Operator : JC/MD
 Sample : VN0218WBS01
 Misc : 5.00mL/MSVOA N/WATER
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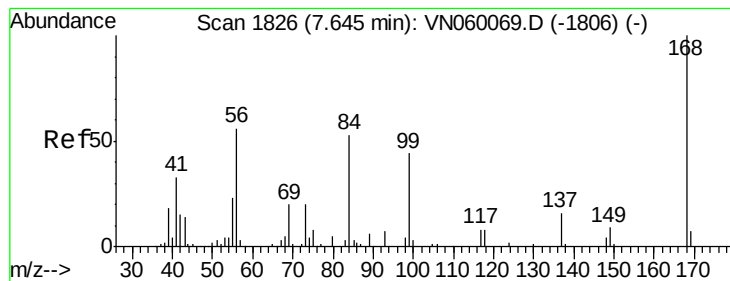
Instrument :
 MSVOA_N
 Client Sampled :
 VN0218WBS01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion:168 Resp: 188687

Ion Ratio Lower Upper

168 100

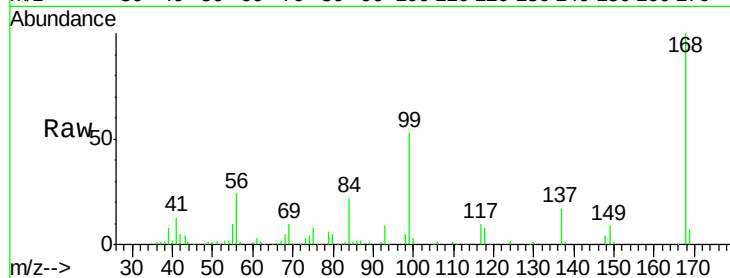
99 52.9 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

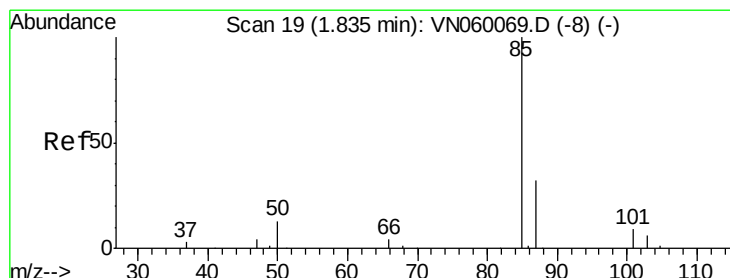
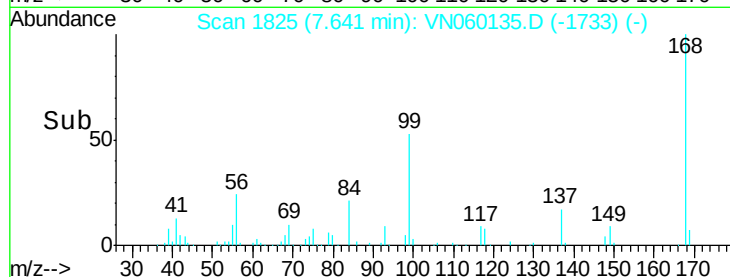
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.848 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060135.D

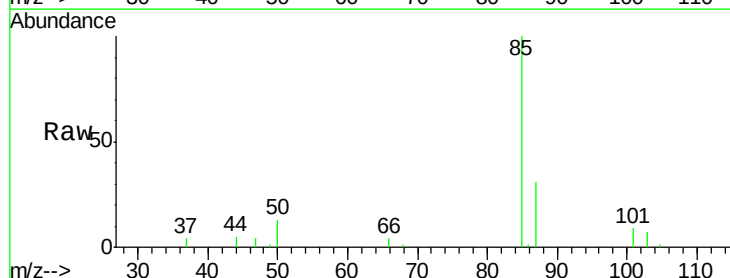
Acq: 18 Feb 2020 11:35

Tgt Ion: 85 Resp: 37434

Ion Ratio Lower Upper

85 100

87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

15000

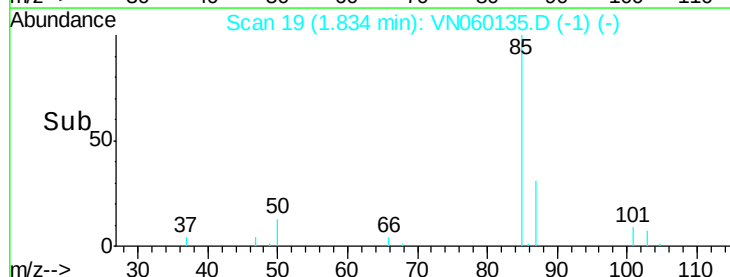
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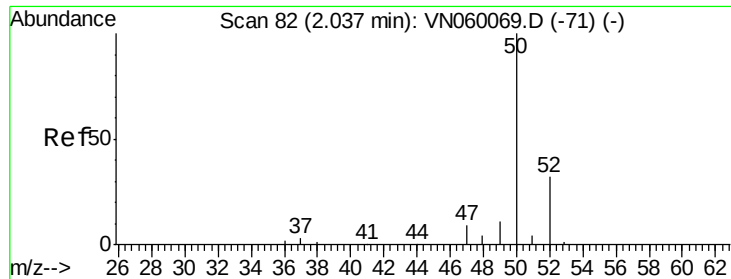
5000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.625 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 50 Resp: 41803

Ion Ratio Lower Upper

50 100

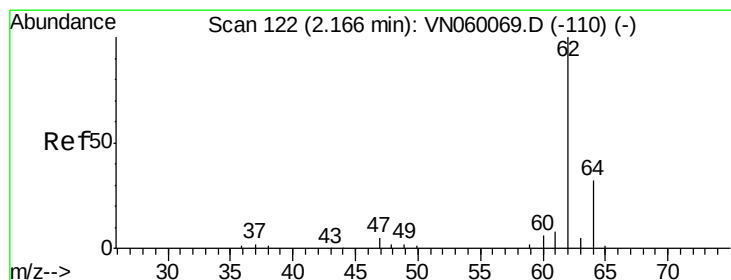
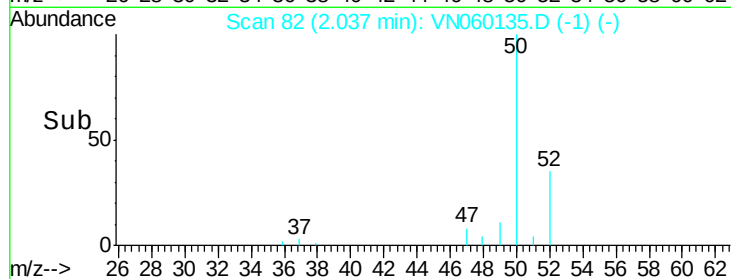
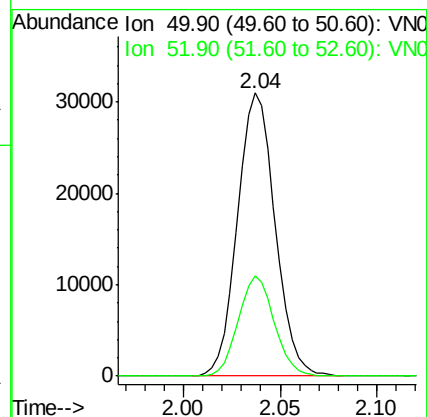
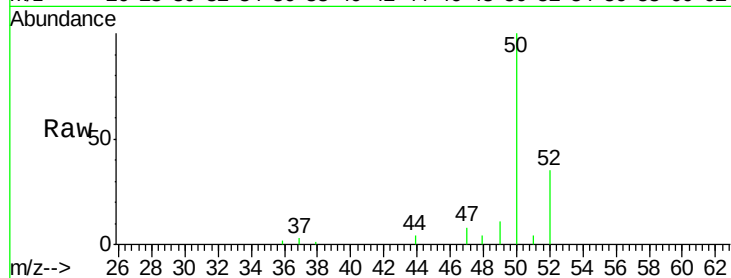
52 35.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.640 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060135.D

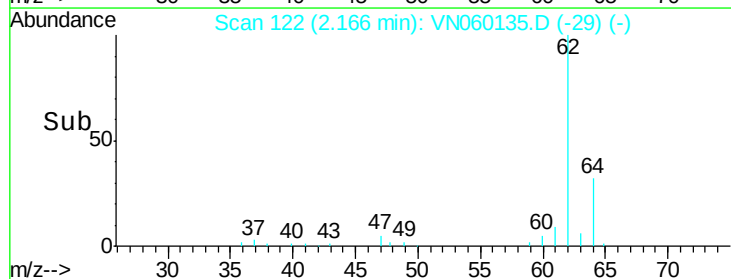
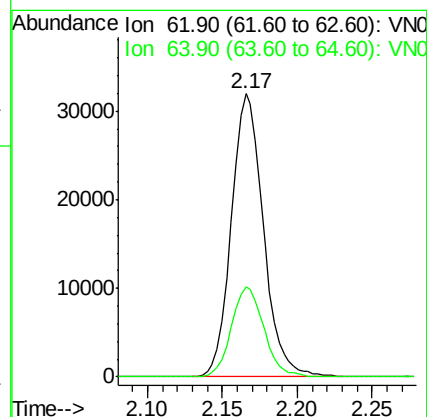
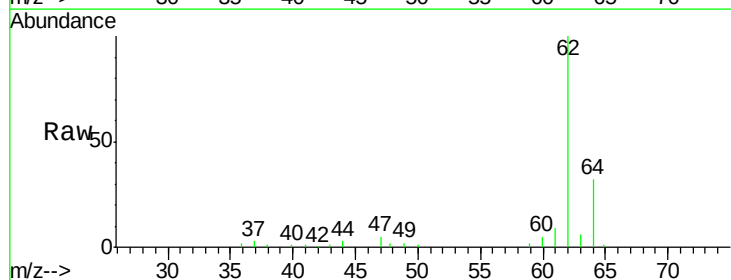
Acq: 18 Feb 2020 11:35

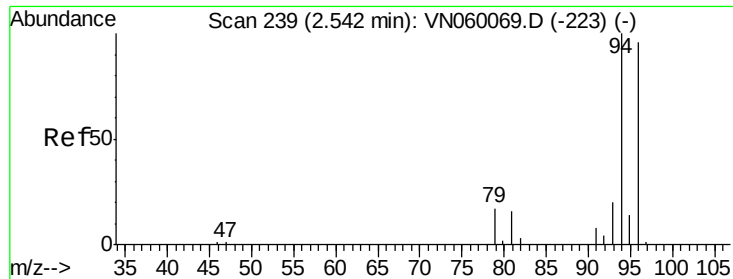
Tgt Ion: 62 Resp: 47688

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 18.909 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 94 Resp: 29663

Ion Ratio Lower Upper

94 100

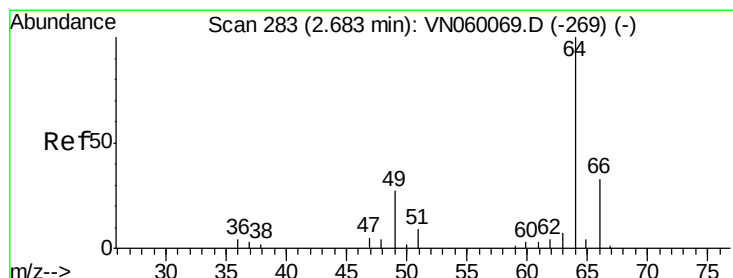
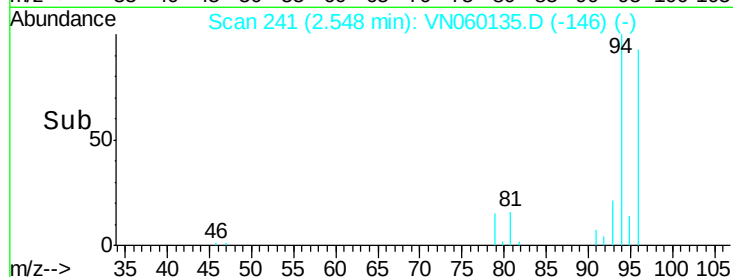
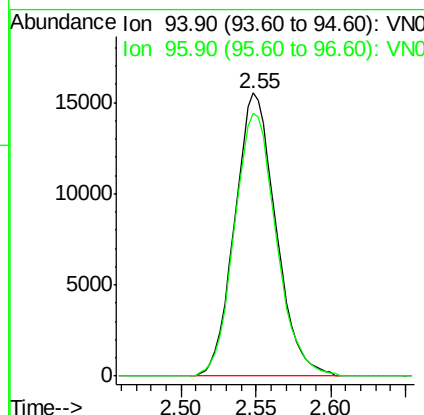
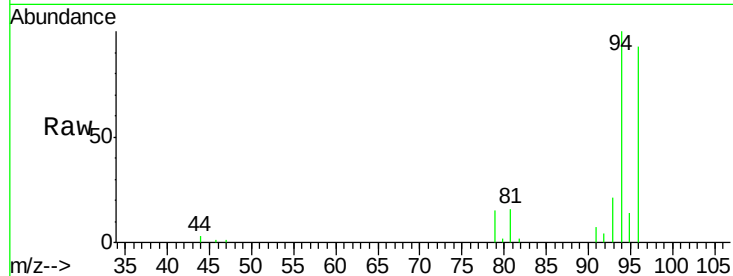
96 92.9 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 18.718 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060135.D

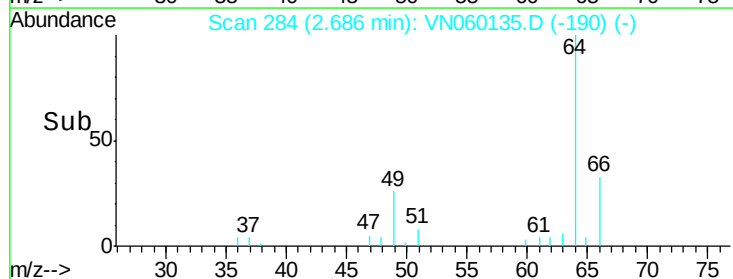
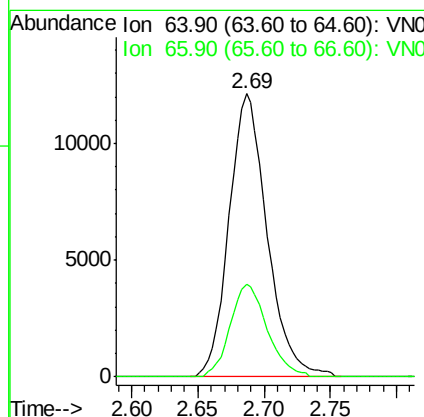
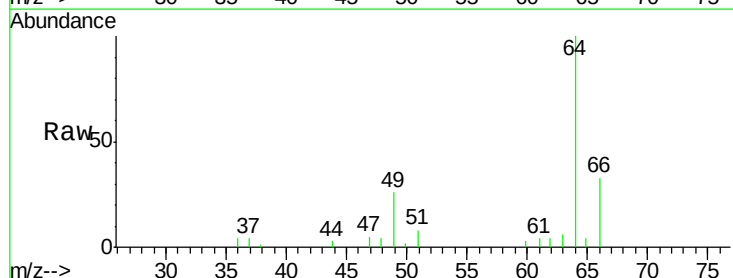
Acq: 18 Feb 2020 11:35

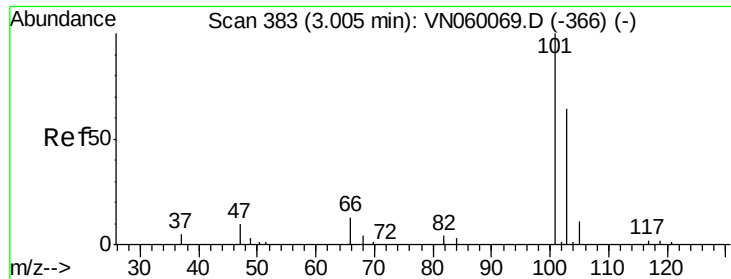
Tgt Ion: 64 Resp: 24221

Ion Ratio Lower Upper

64 100

66 32.6 26.6 40.0





#7

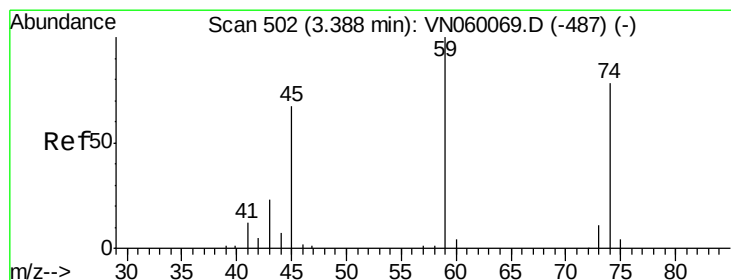
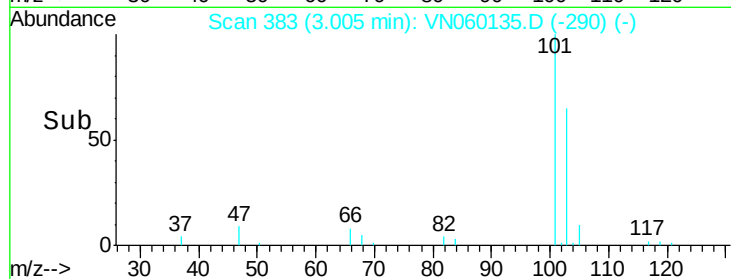
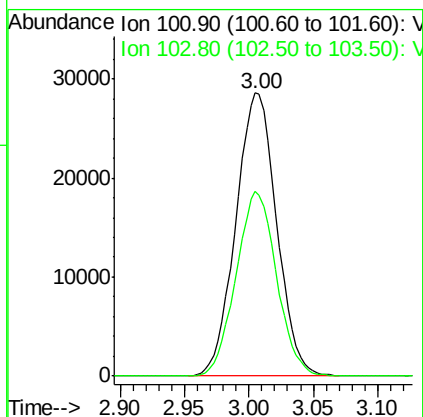
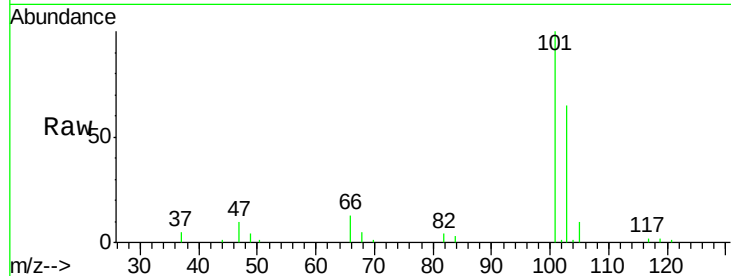
Trichlorofluoromethane
Concen: 19.044 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
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ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.0	76.6

Manual Integrations
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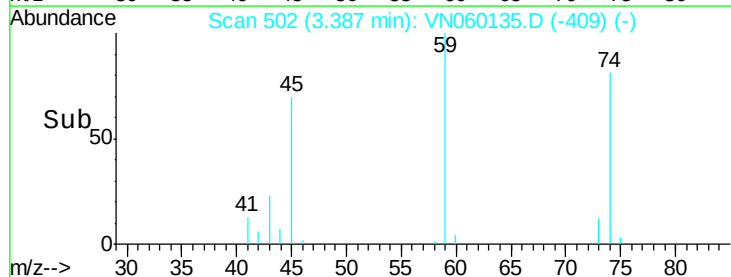
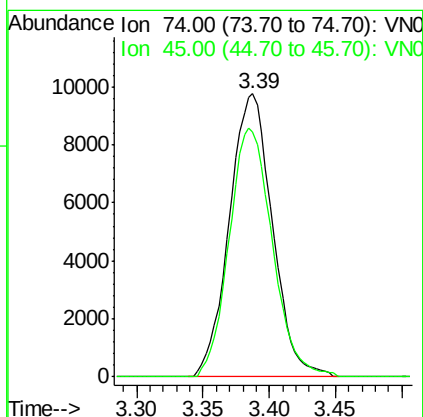
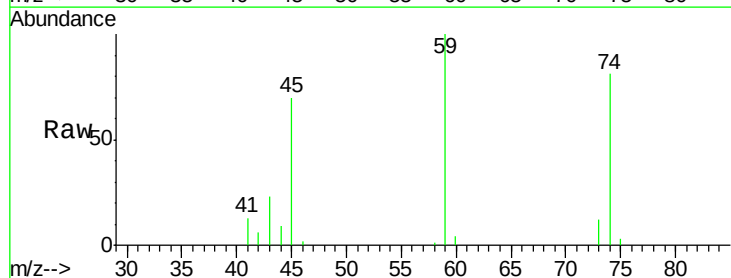
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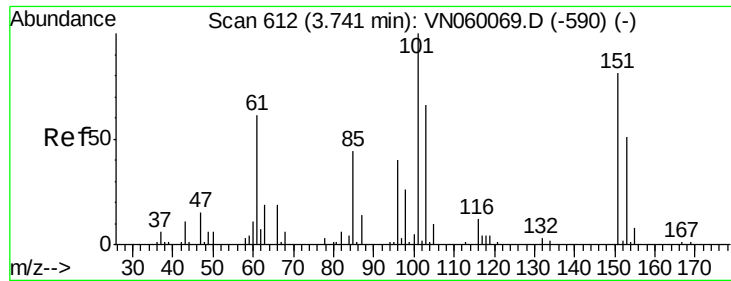


#8

Diethyl Ether
Concen: 20.075 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.1	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.895 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

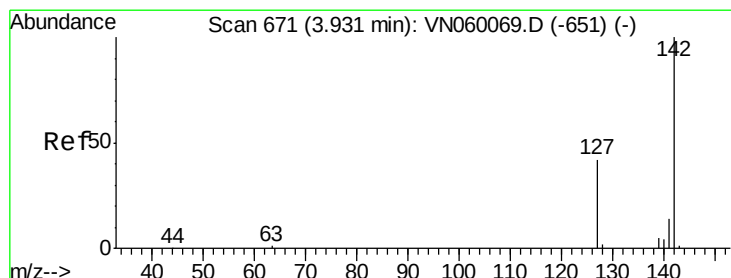
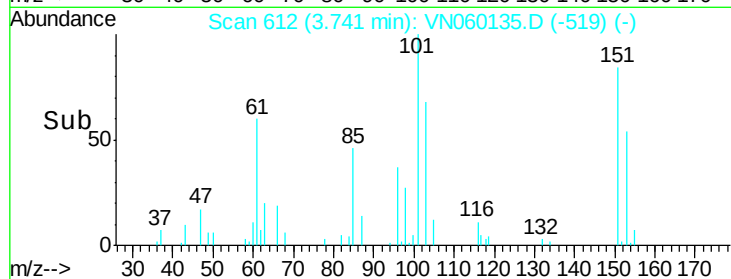
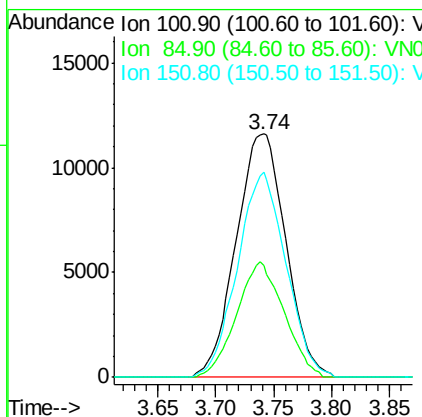
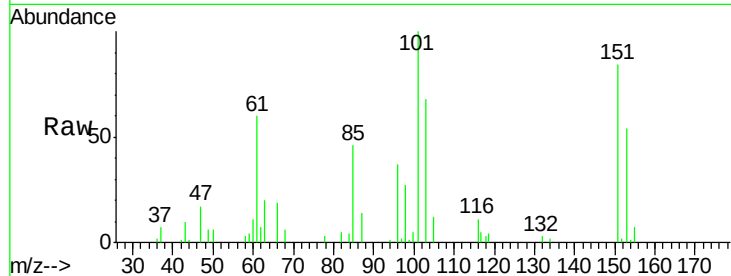
ClientSampleId :

VN0218WBS01

Tot Ion:	101	Resp:	34602
Ion Ratio	Lower	Upper	
101	100		
85	45.2	35.1	52.7
151	82.2	65.8	98.6

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#10

Methyl Iodide

Concen: 20.170 ug/l

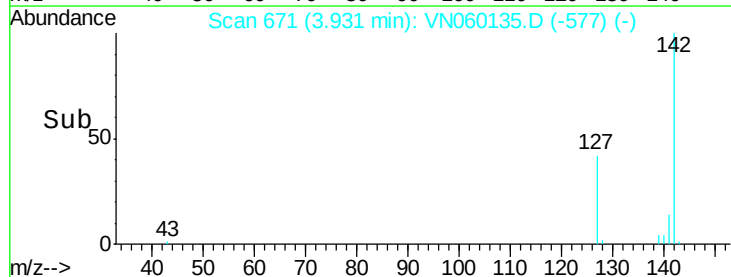
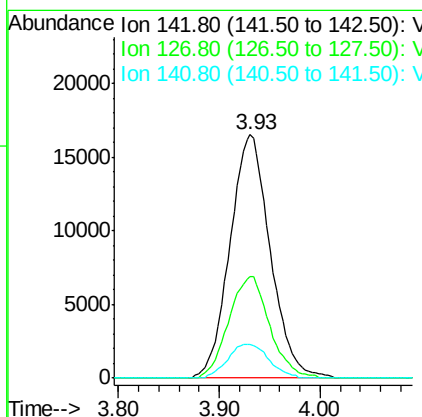
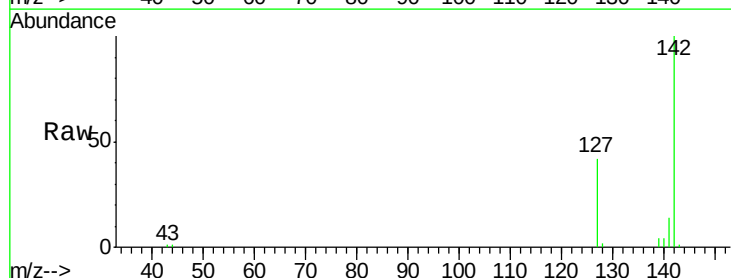
RT: 3.93 min Scan# 671

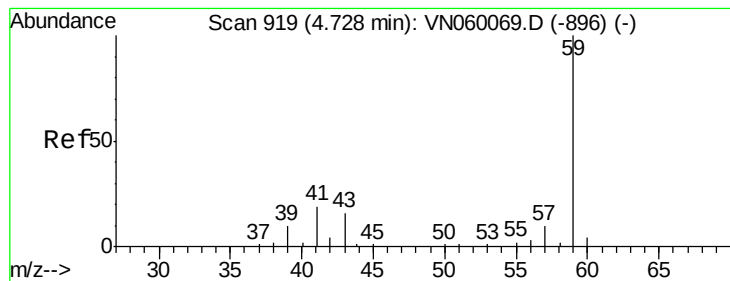
Delta R.T. 0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	142	Resp:	45792
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.6	50.4
141	14.2	11.4	17.2





#11

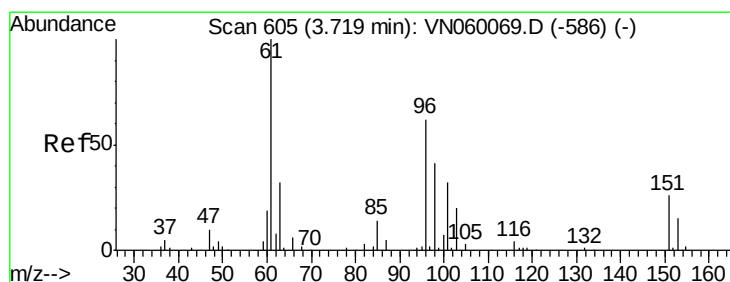
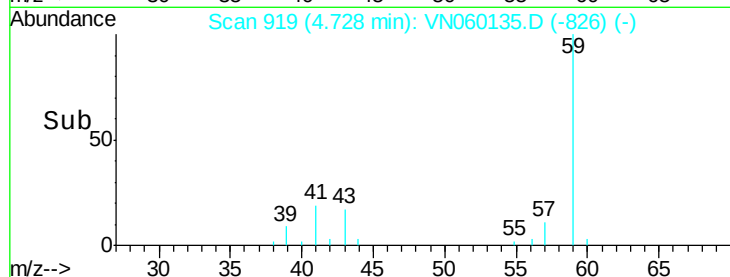
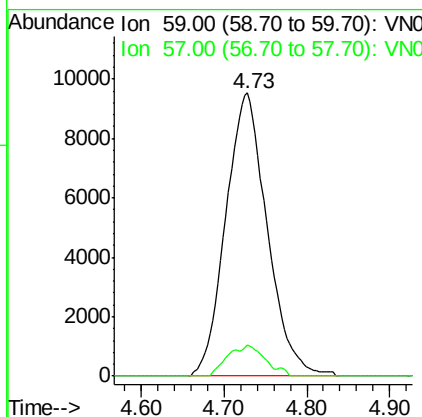
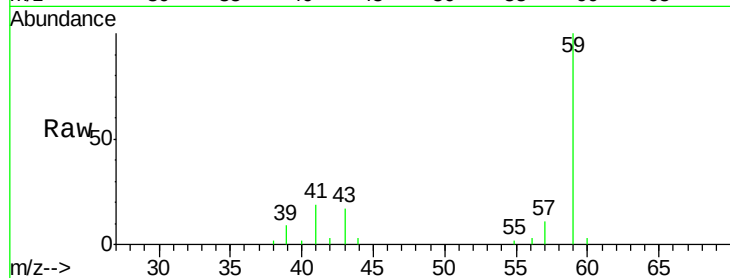
Tert butyl alcohol
Concen: 96.279 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.4

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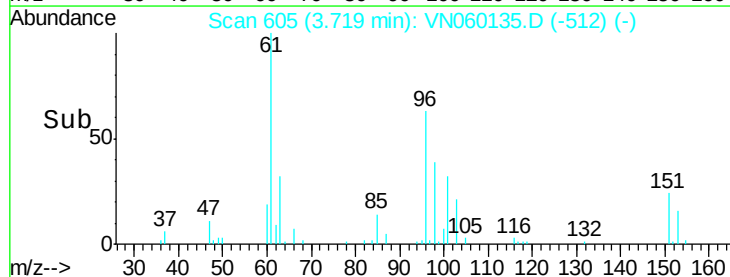
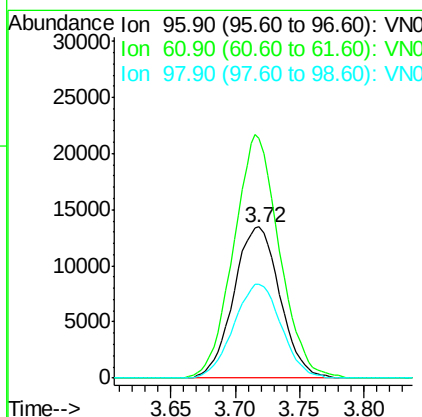
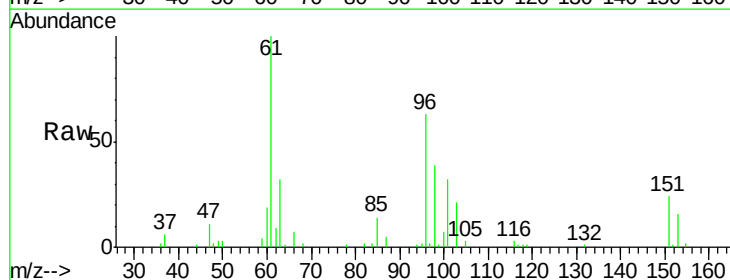
MMDadoda
2/19/2020 5:05:59 PM

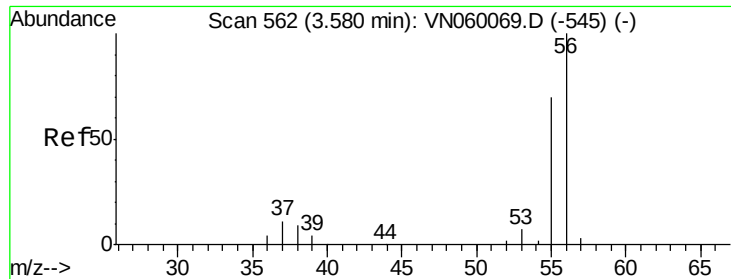


#12

1,1-Dichloroethene
Concen: 18.901 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	128.3	192.5
98	62.0	52.2	78.4





#13

Acrolein

Concen: 75.689 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 56 Resp: 25705

Ion Ratio Lower Upper

56 100

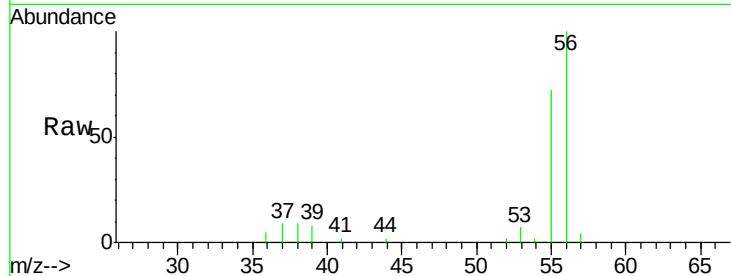
55 72.3 54.8 82.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

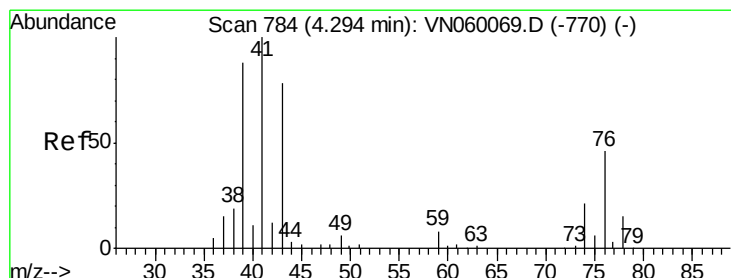
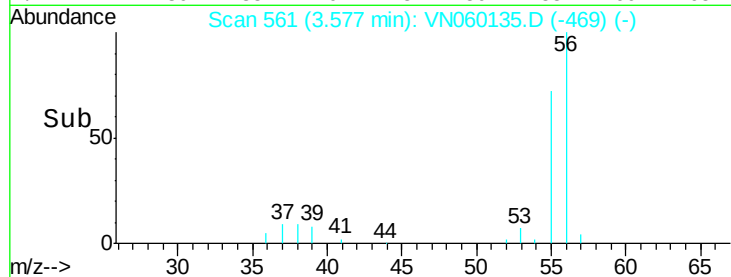
2000

0

Time-->

3.50 3.55 3.60 3.65

3.58



#14

Allyl chloride

Concen: 18.641 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

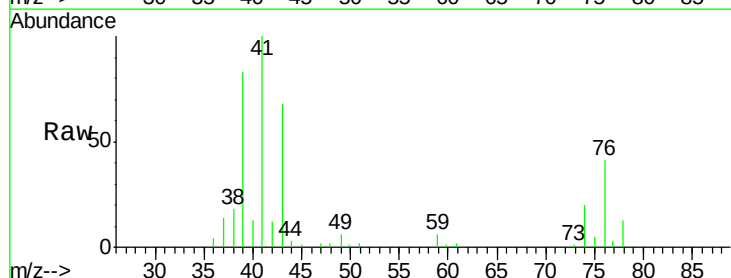
Tgt Ion: 41 Resp: 48946

Ion Ratio Lower Upper

41 100

39 82.3 67.8 101.8

76 41.2 33.9 50.9



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

20000

15000

10000

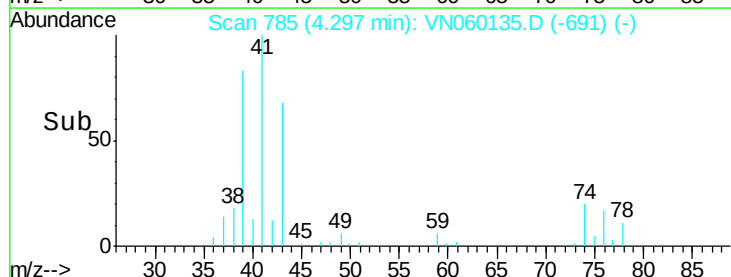
5000

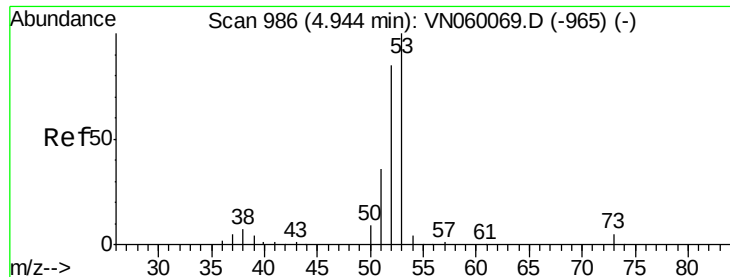
0

Time-->

4.20 4.30 4.40

4.30





#15

Acrylonitrile

Concen: 98.955 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

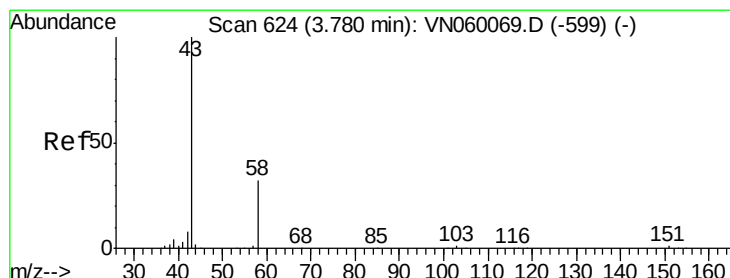
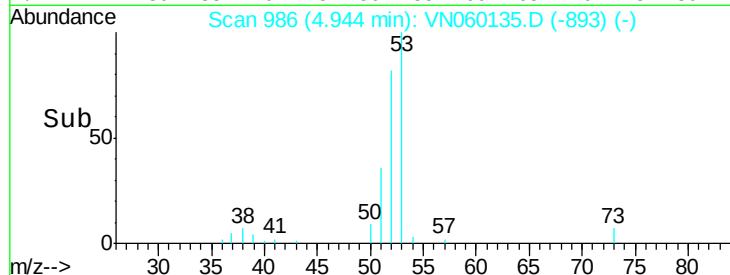
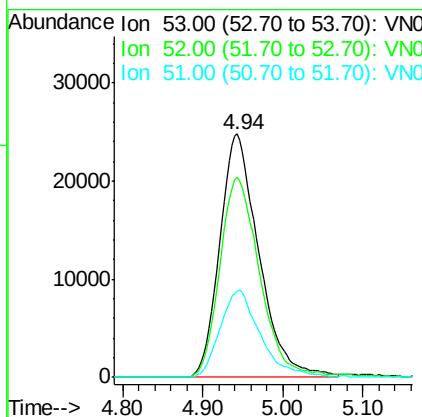
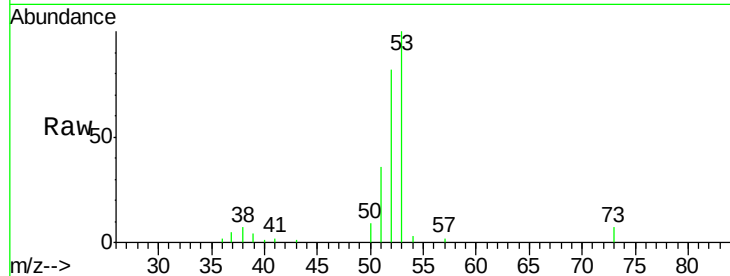
ClientSampleId :

VN0218WBS01

Tot Ion:	53	Resp:	83031
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.8	100.2
51	36.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 84.773 ug/l

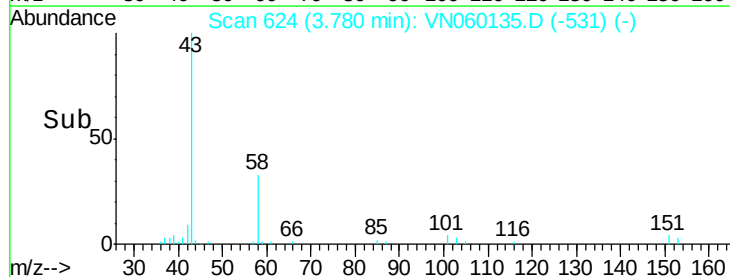
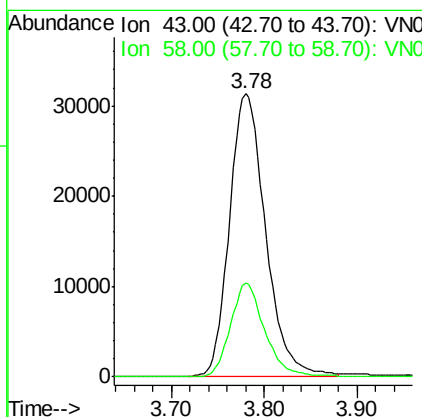
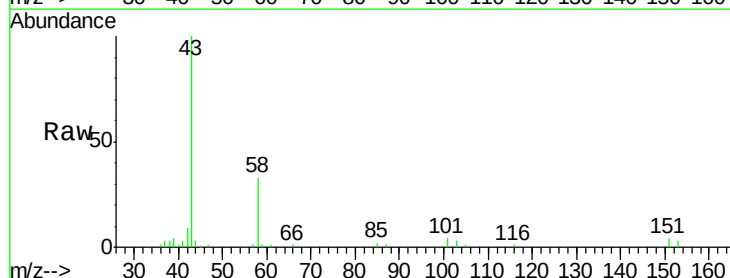
RT: 3.78 min Scan# 624

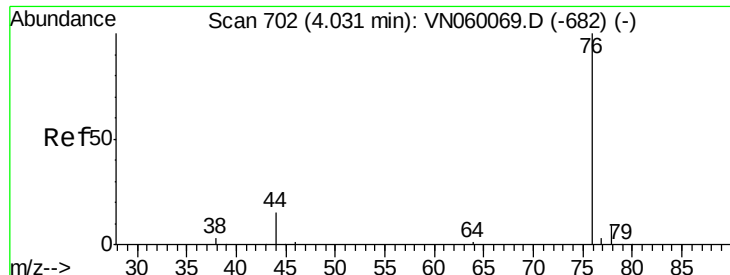
Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	43	Resp:	84900
Ion Ratio	Lower	Upper	
43	100		
58	33.1	25.2	37.8





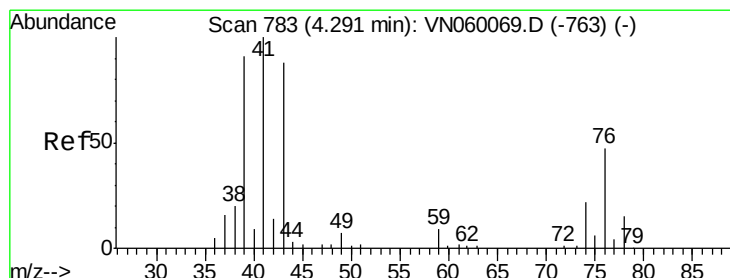
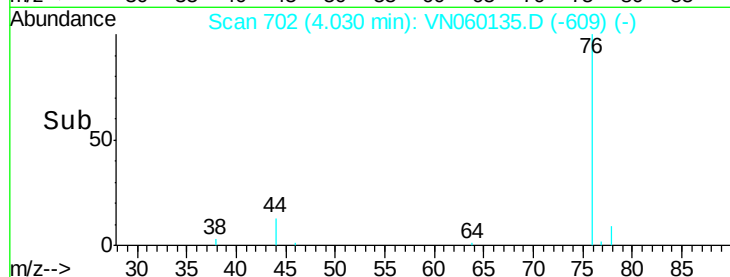
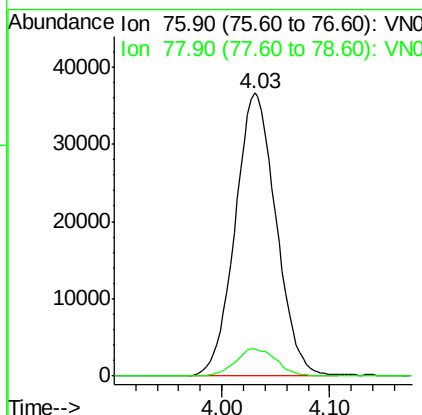
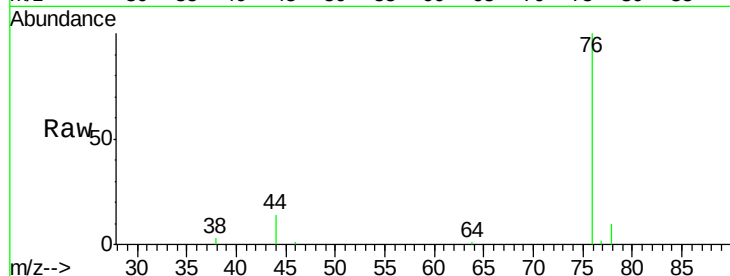
#17
Carbon Disulfide
Concen: 17.973 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.6

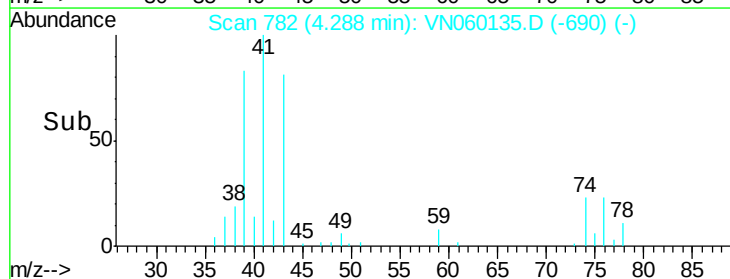
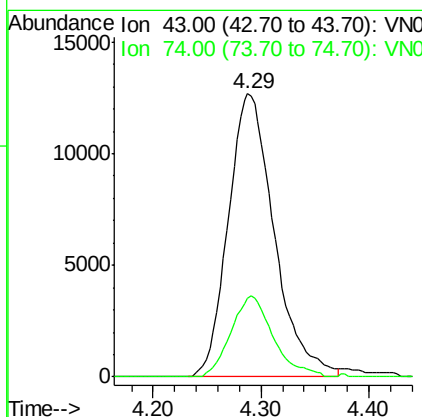
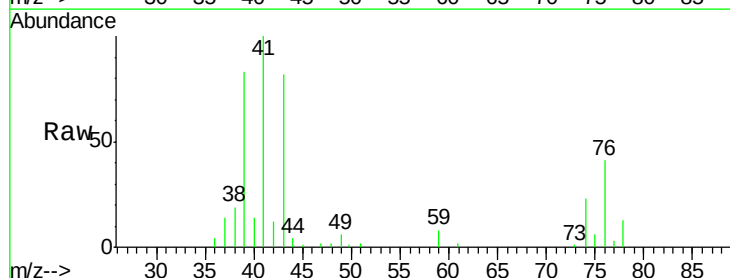
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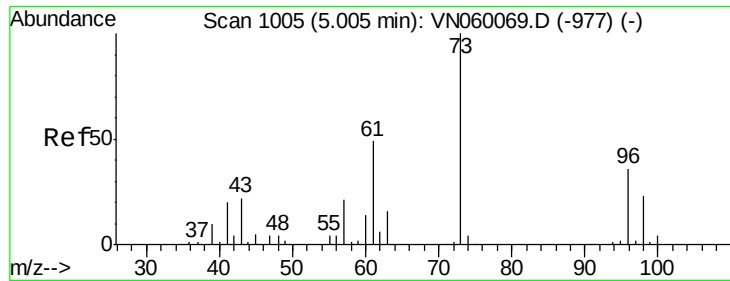
MMDadoda
2/19/2020 5:05:59 PM



#18
Methyl Acetate
Concen: 19.980 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.3	30.5





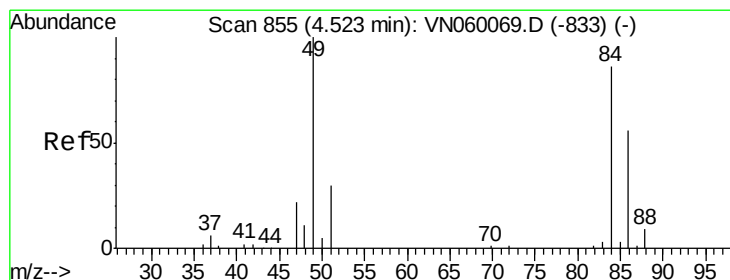
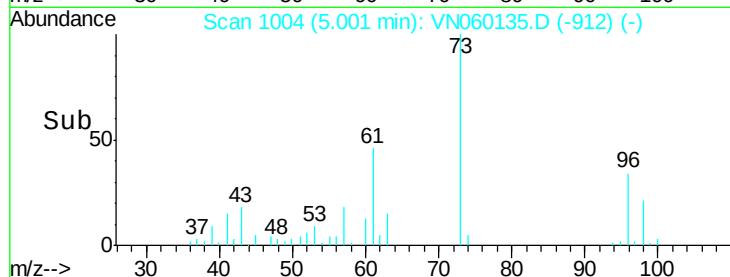
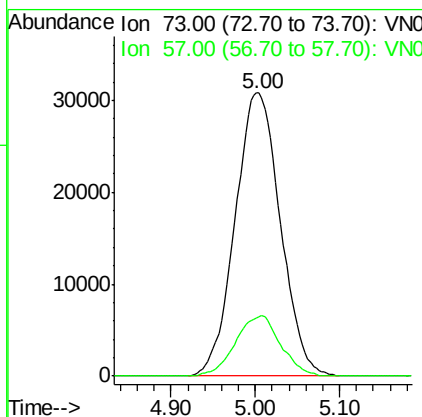
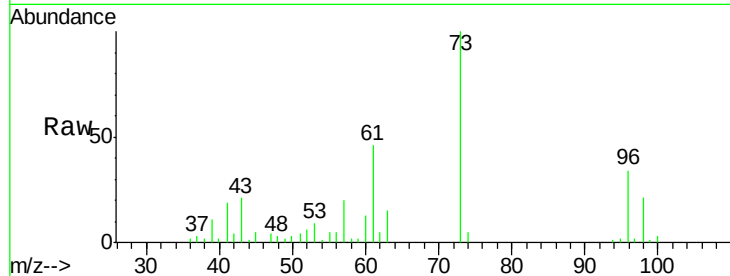
#19
Methvl tert-butvl Ether
Concen: 19.146 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 73 Resp: 114866
Ion Ratio Lower Upper
73 100
57 20.4 17.2 25.8

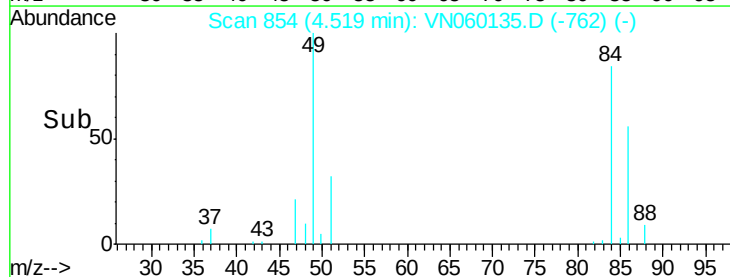
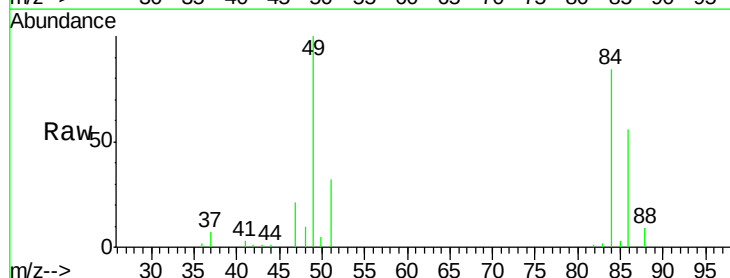
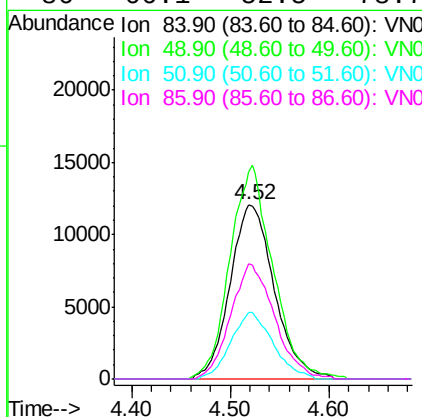
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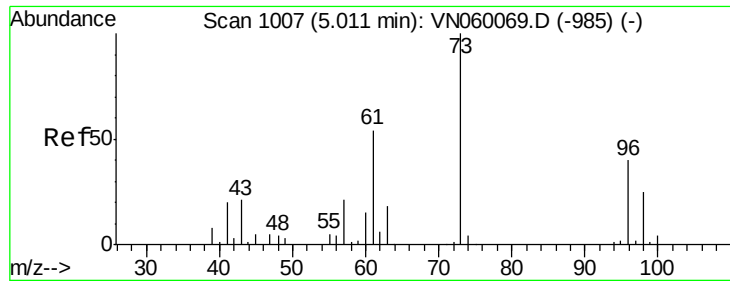
MMDadoda
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#20
Methylene Chloride
Concen: 18.782 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion: 84 Resp: 37528
Ion Ratio Lower Upper
84 100
49 118.7 93.4 140.0
51 37.9 28.4 42.6
86 66.1 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 96 Resp: 37376

Ion Ratio Lower Upper

96 100

61 131.4 109.3 163.9

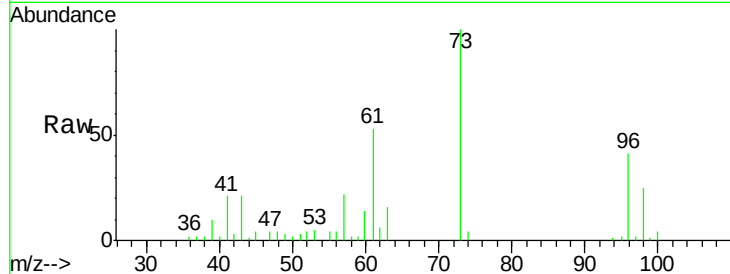
98 61.9 51.0 76.6

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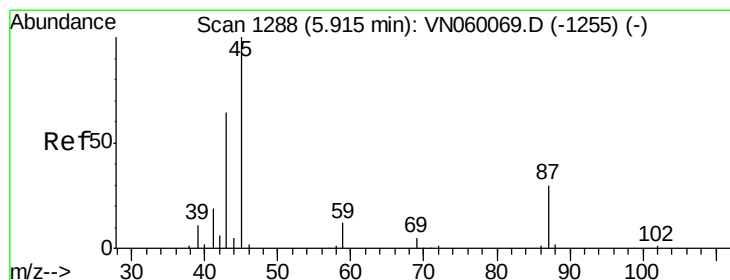
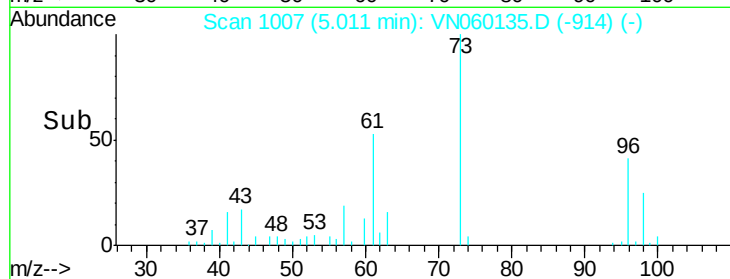
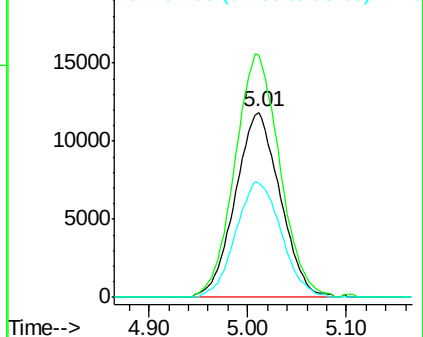


Abundance

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: 18.887 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion: 45 Resp: 108685

Ion Ratio Lower Upper

45 100

43 70.6 55.9 83.9

87 29.5 24.5 36.7

59 13.4 9.9 14.9

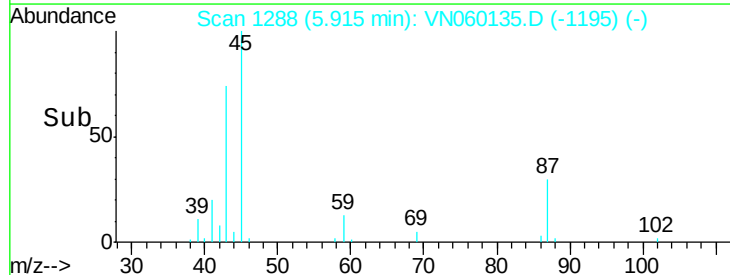
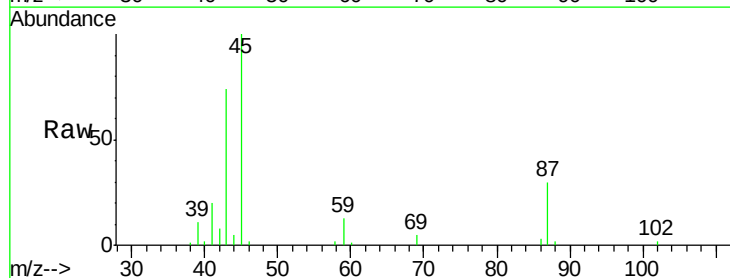
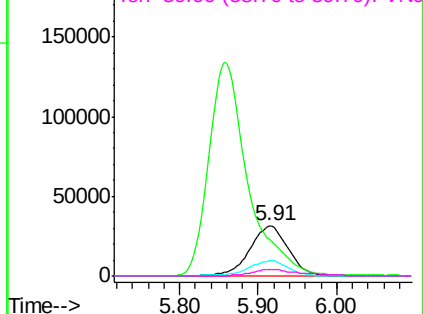
Abundance

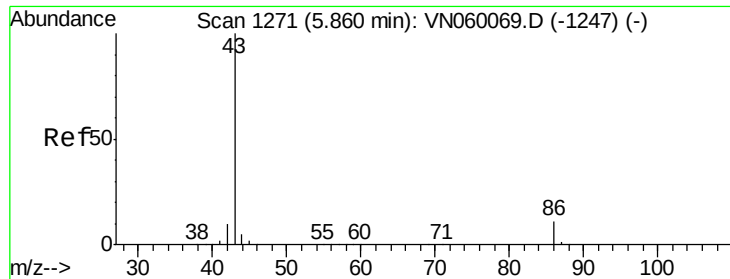
Ion 45.00 (44.70 to 45.70): VN0

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: 95.389 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion: 43 Resp: 460966

Ion Ratio Lower Upper

43 100

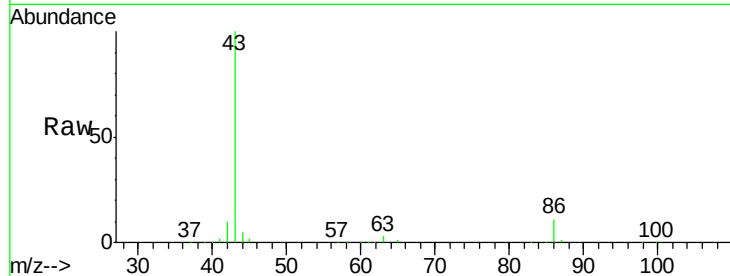
86 11.2 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

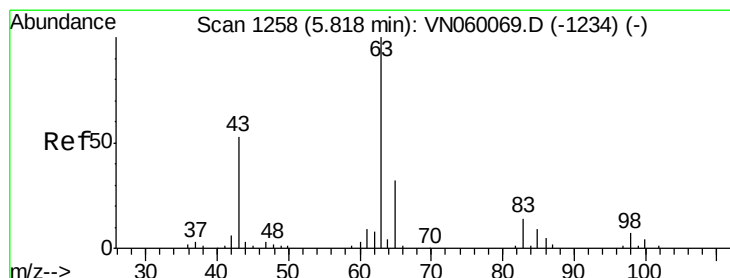
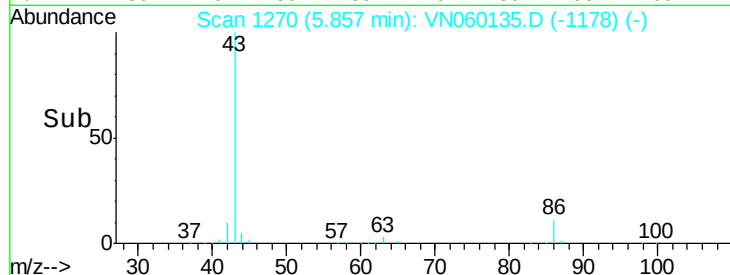
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.897 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

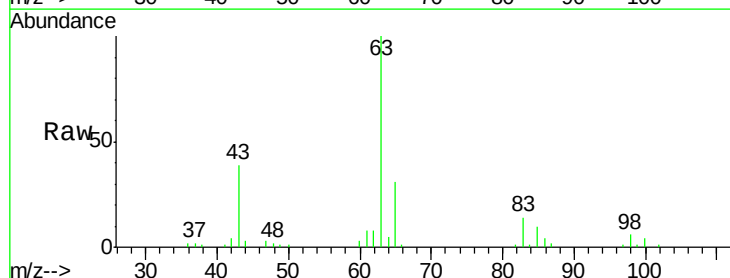
Tgt Ion: 63 Resp: 65874

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

15000

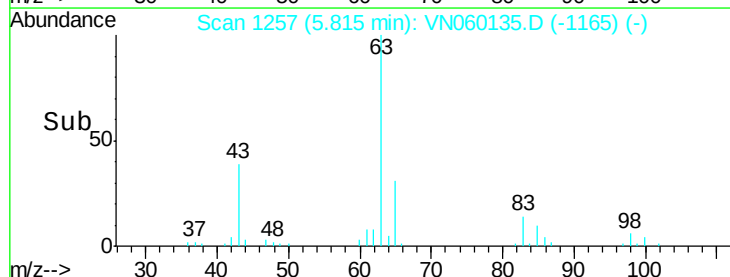
10000

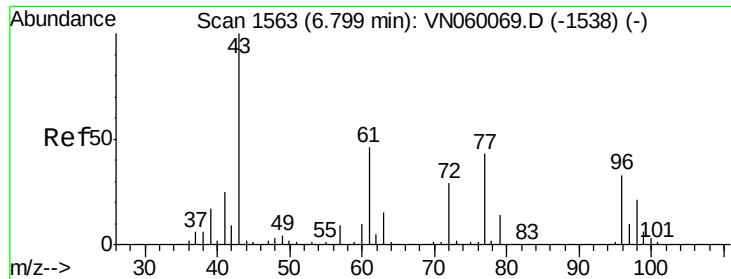
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 91.187 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 43 Resp: 114856

Ion Ratio Lower Upper

43 100

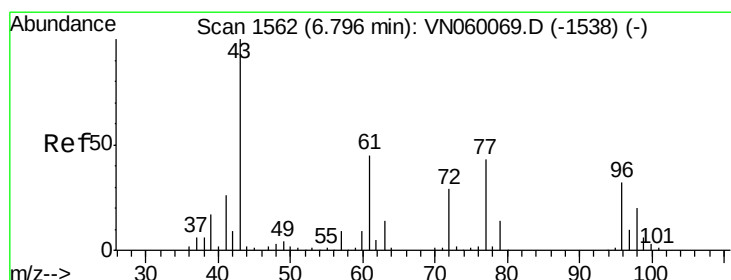
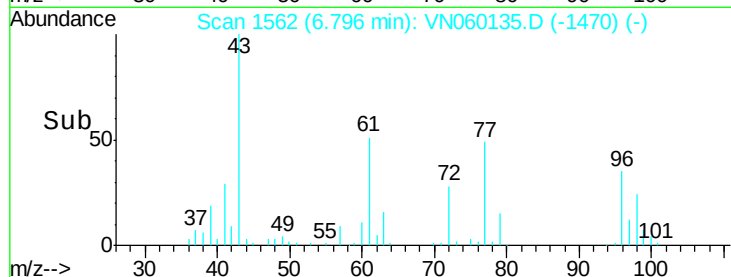
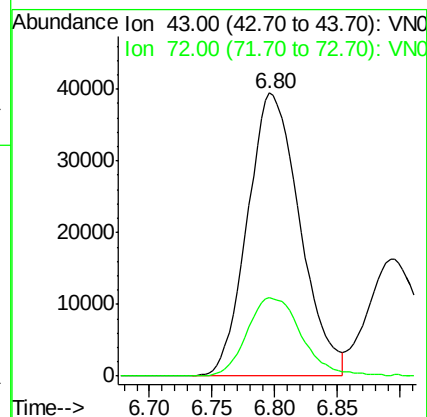
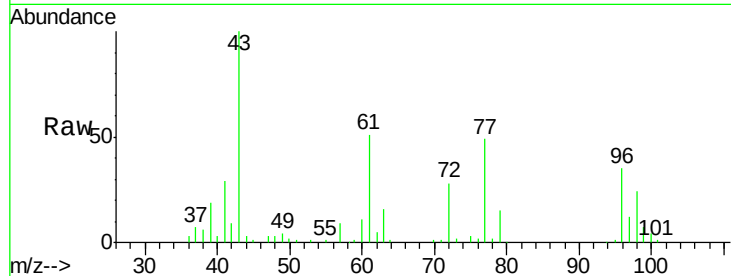
72 27.6 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

2/19/2020 5:05:59 PM



#26

2,2-Dichloropropane

Concen: 18.572 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060135.D

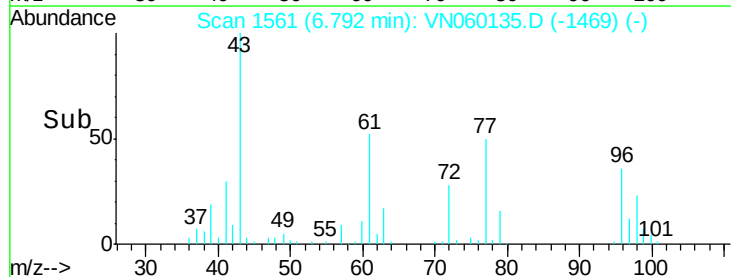
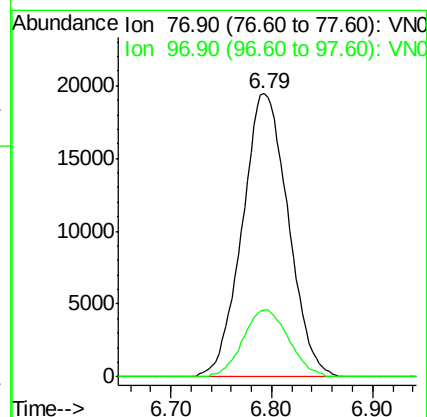
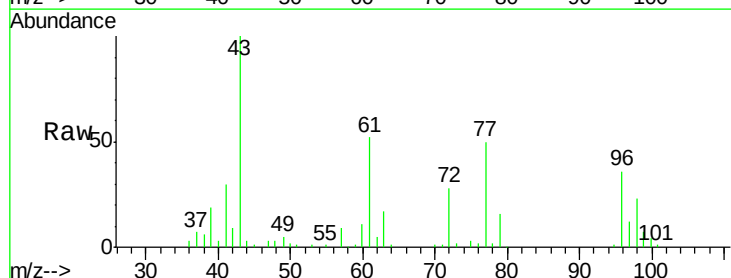
Acq: 18 Feb 2020 11:35

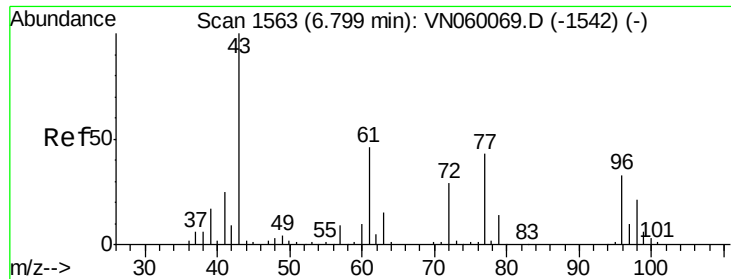
Tgt Ion: 77 Resp: 61494

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.526 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

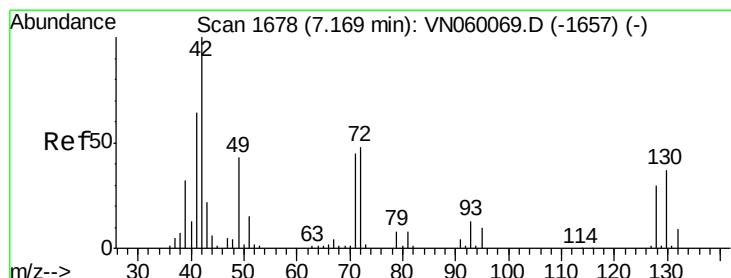
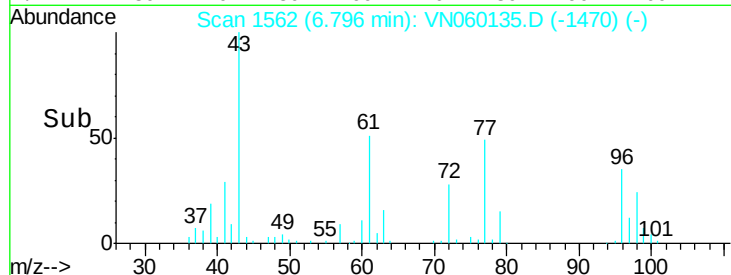
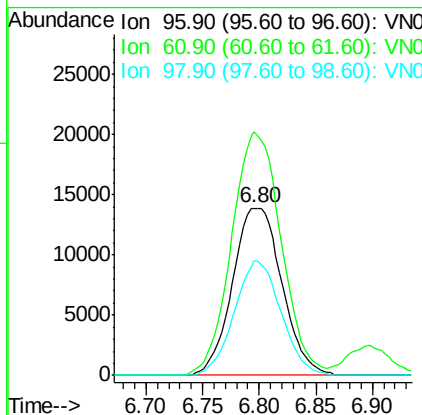
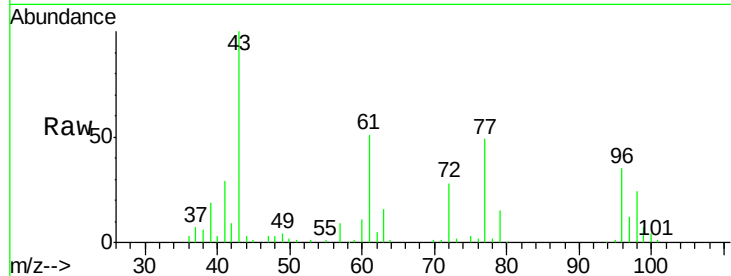
ClientSampleId :

VN0218WBS01

Tot Ion:	96	Resp:	42162
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	285.8
98	64.7	0.0	129.6

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#28

Bromochloromethane

Concen: 18.800 ug/l

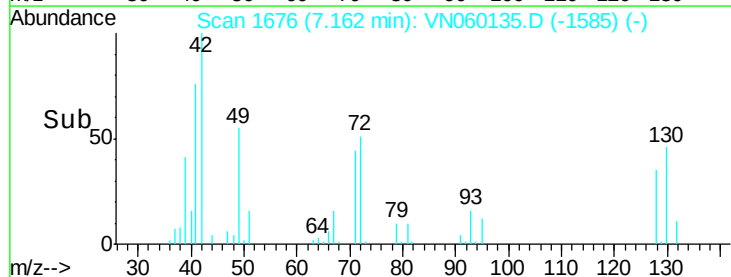
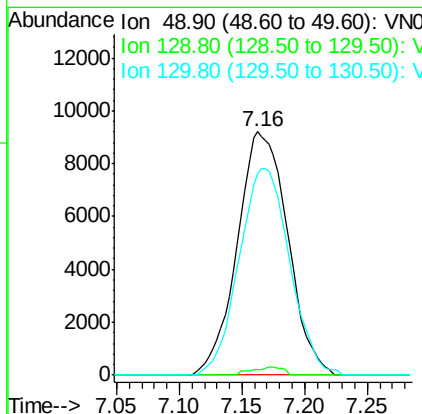
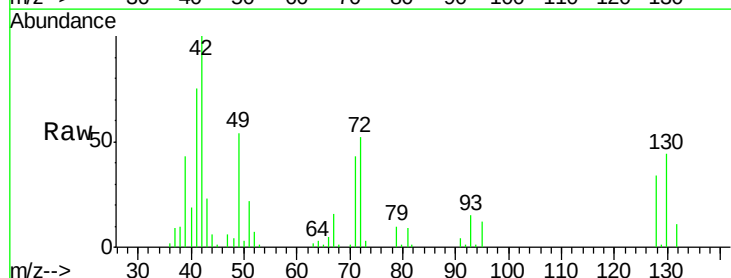
RT: 7.16 min Scan# 1676

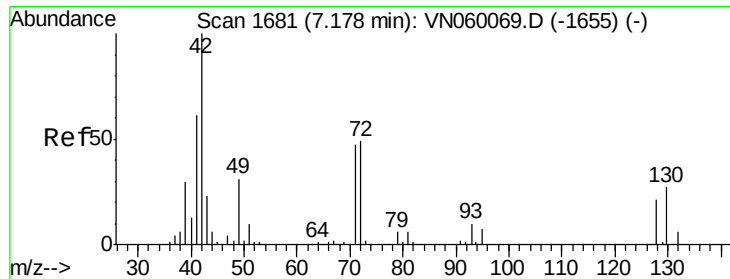
Delta R.T. -0.01 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	49	Resp:	25765
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.2
130	85.3	66.8	100.2





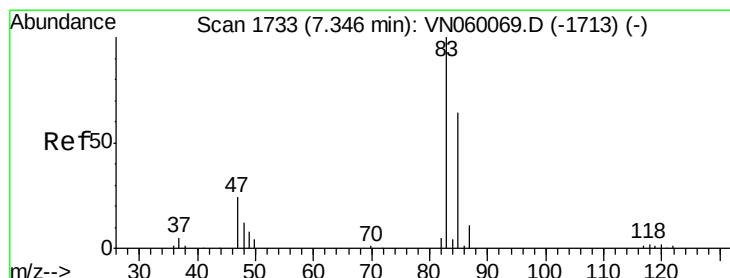
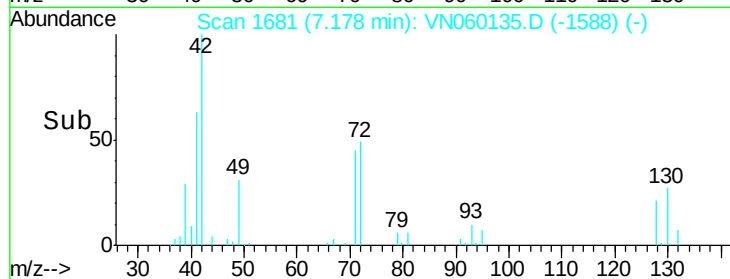
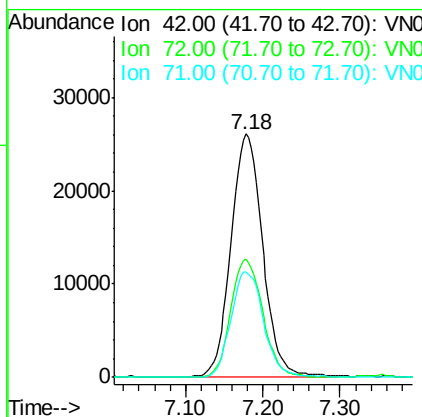
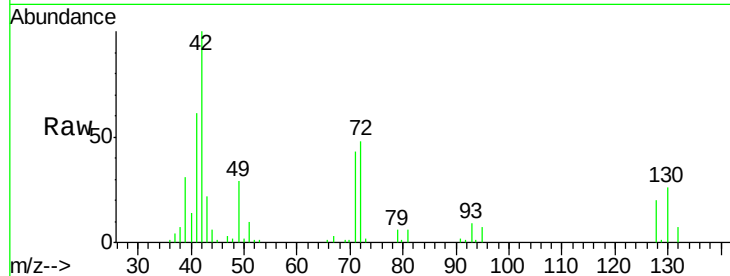
#29
Tetrahydrofuran
Concen: 96.448 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.2	57.4
71	44.0	36.6	54.8

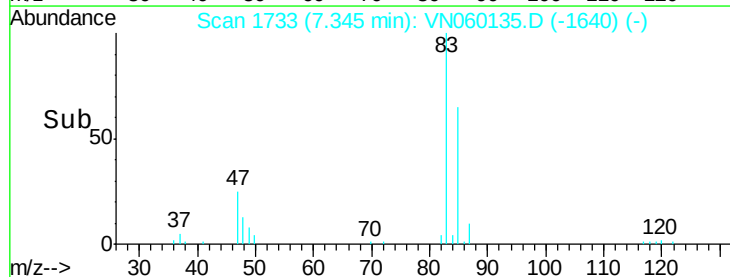
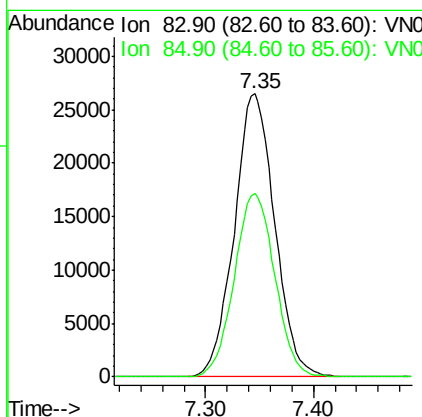
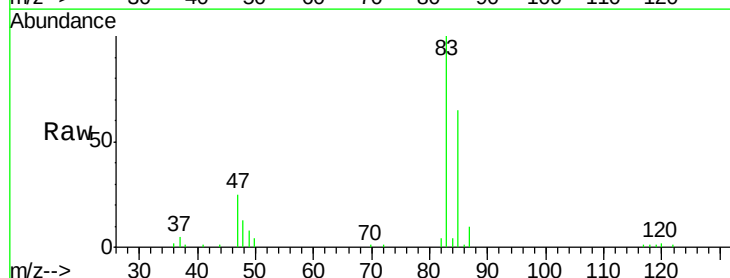
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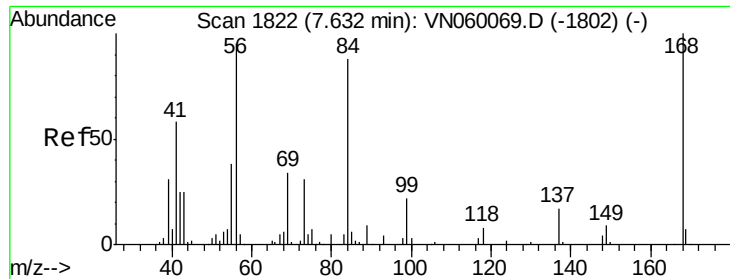
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#30
Chloroform
Concen: 18.915 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.4	77.0





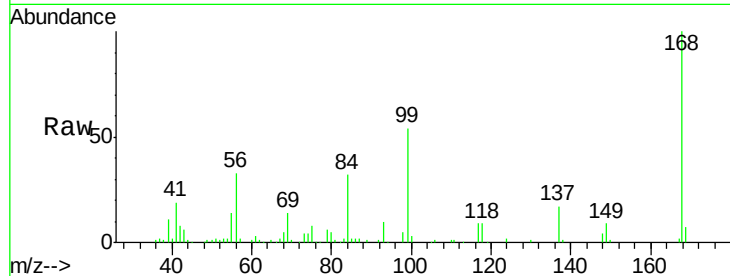
#31
Cyclohexane
Concen: 18.540 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

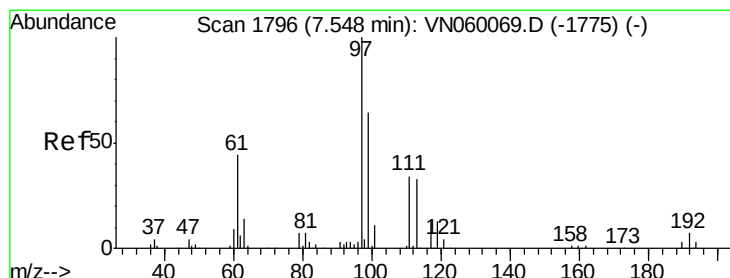
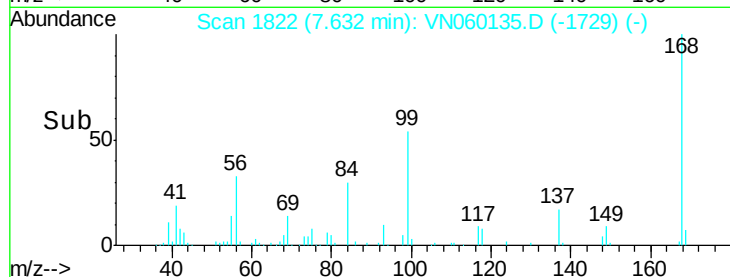
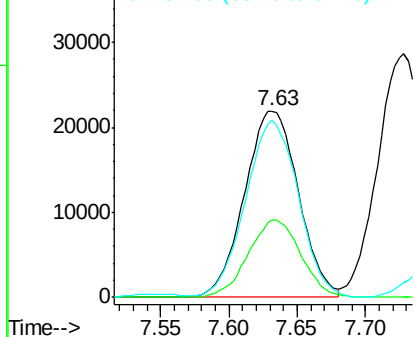
Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	28.3	42.5
84	94.2	72.6	108.8

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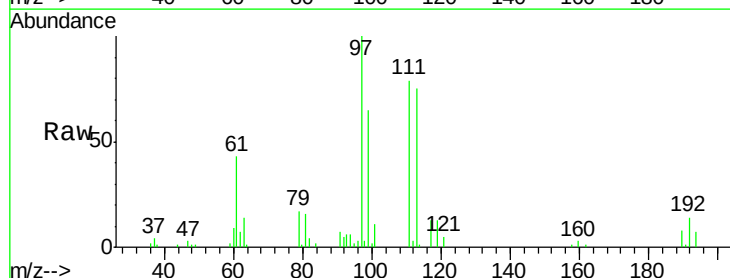


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

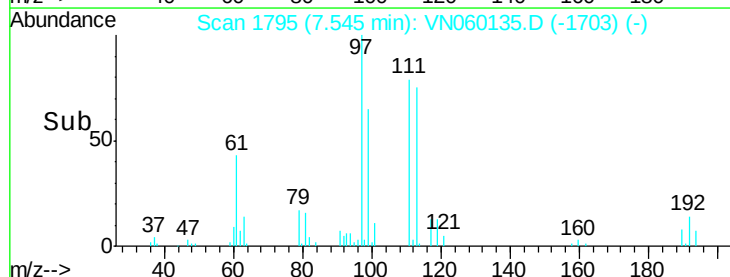
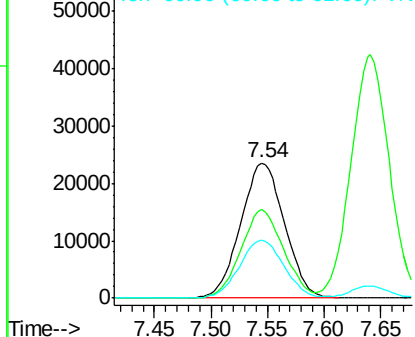


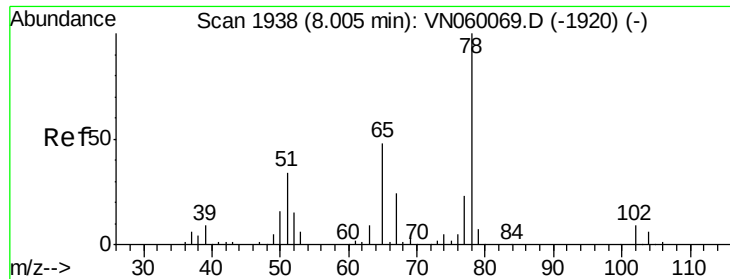
#32
1,1,1-Trichloroethane
Concen: 18.998 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	43.6	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





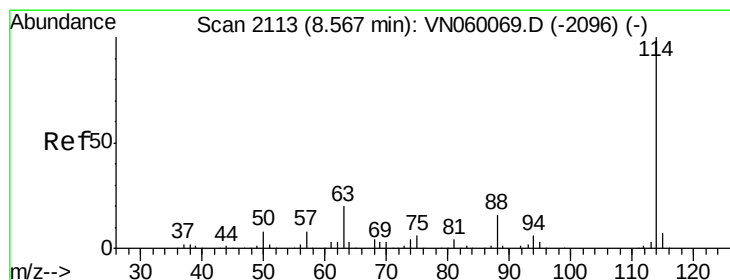
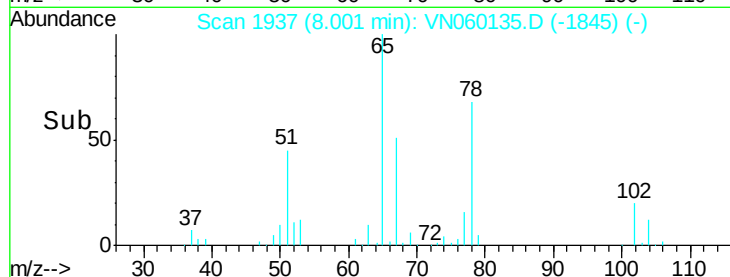
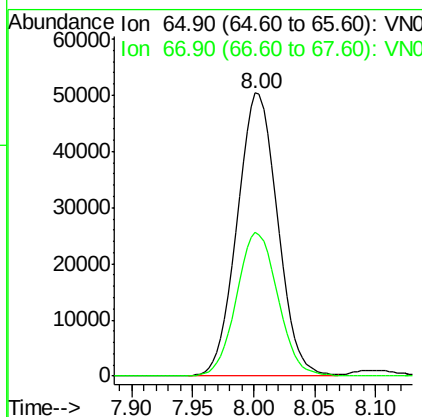
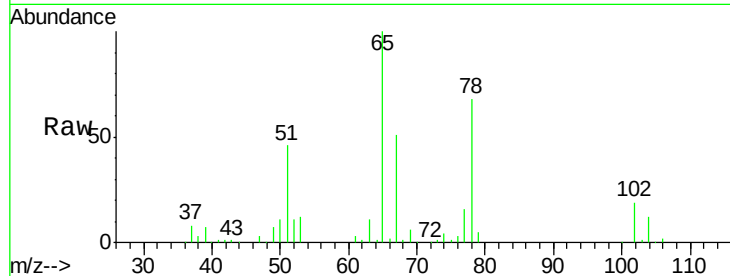
#33
 1,2-Dichloroethane-d4
 Concen: 50.367 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	104.0	

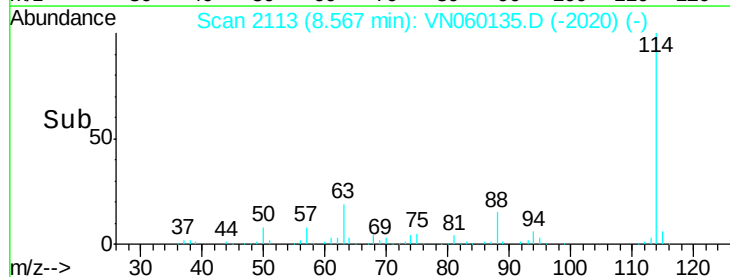
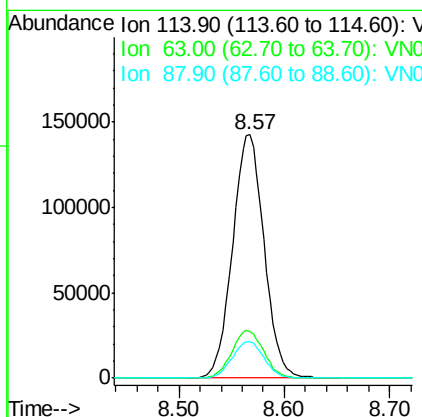
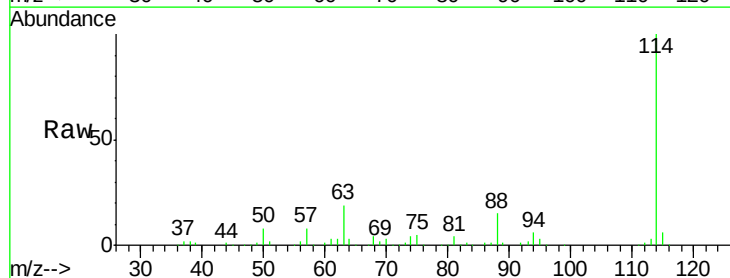
Manual Integrations
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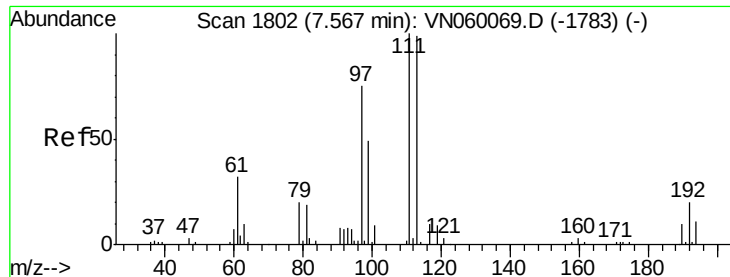
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	40.0	
88	15.1	0.0	31.6	





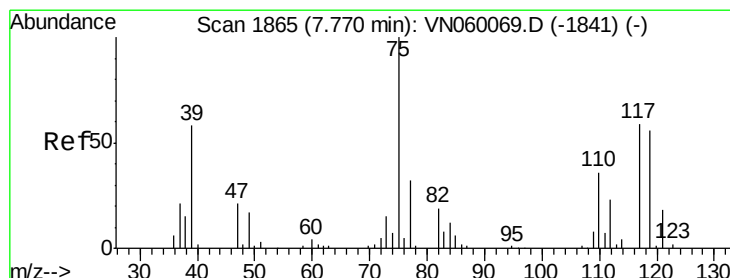
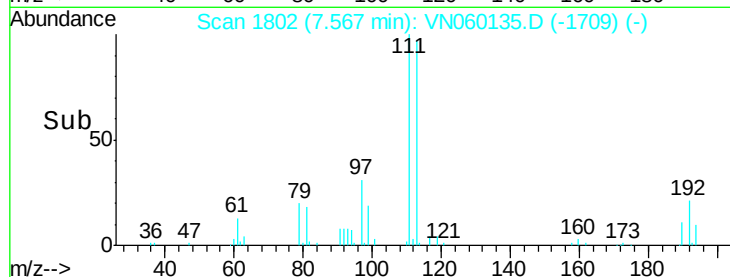
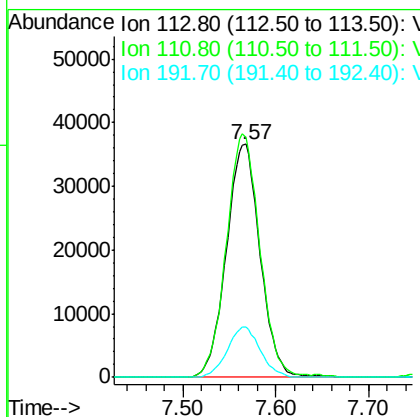
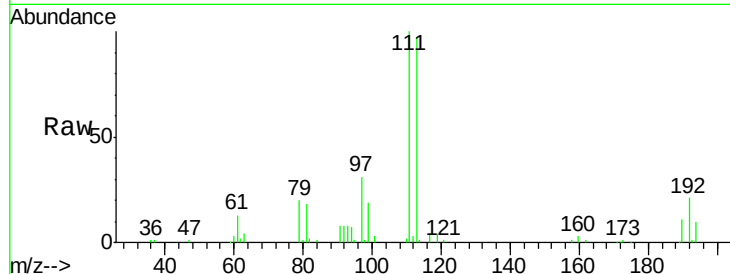
#35
Dibromofluoromethane
Concen: 50.889 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	21.0	16.2	24.2

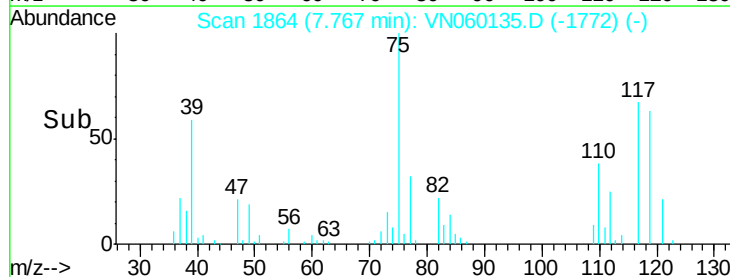
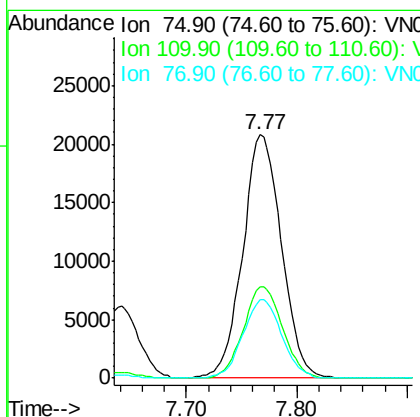
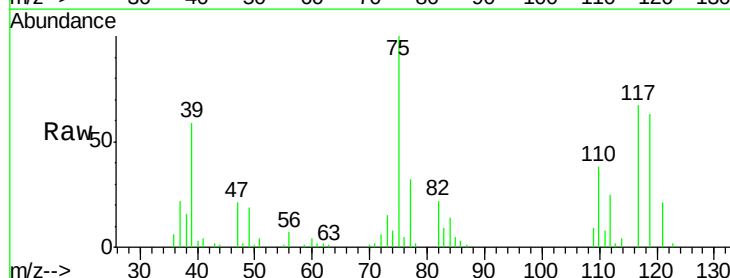
Manual Integrations
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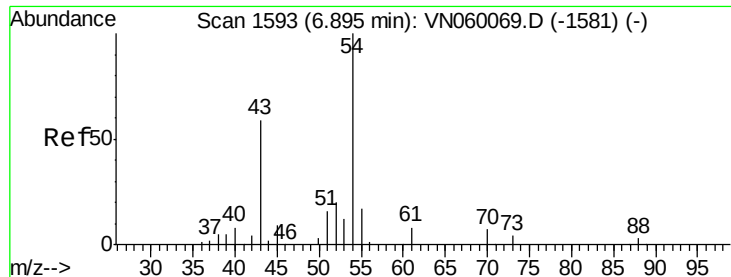
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.490 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	18.1	54.3
77	32.4	25.1	37.7





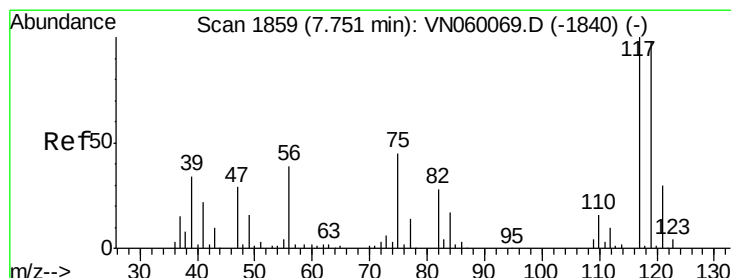
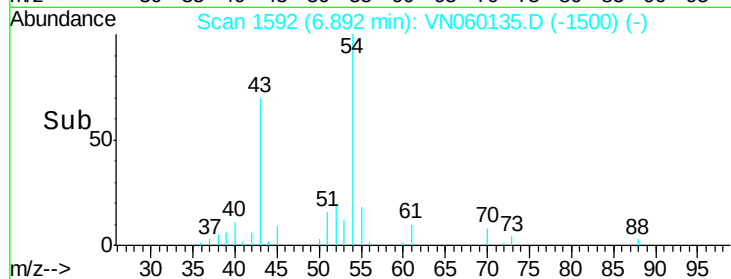
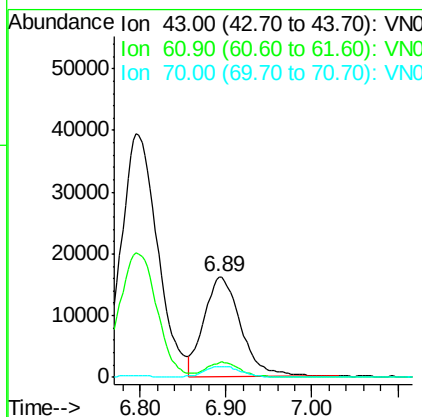
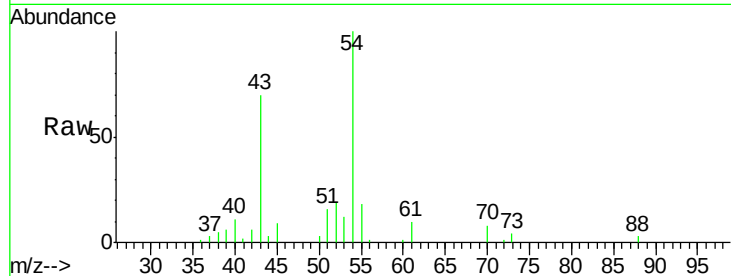
#37
Ethyl Acetate
Concen: 19.590 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	43	Resp	48408
Ion Ratio	100	Lower	Upper
43	100		
61	13.9	11.4	17.2
70	10.9	8.7	13.1

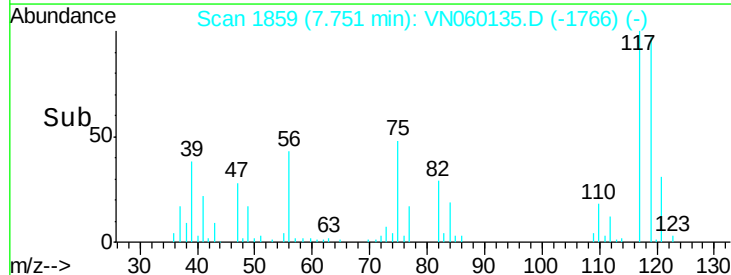
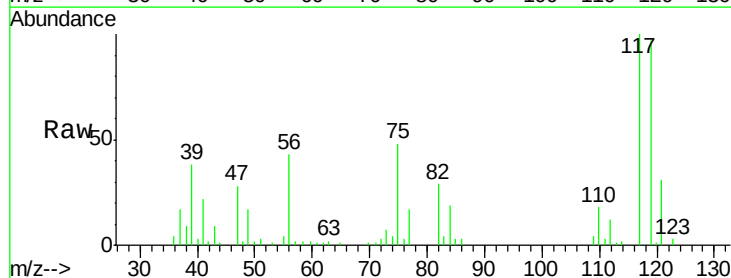
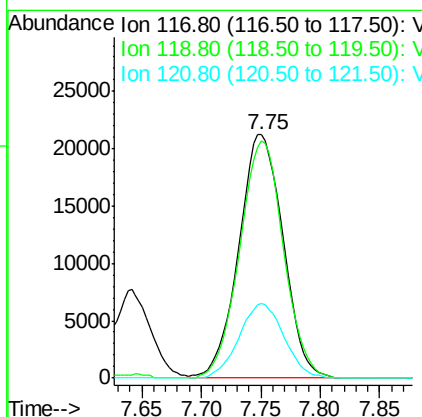
Manual Integrations
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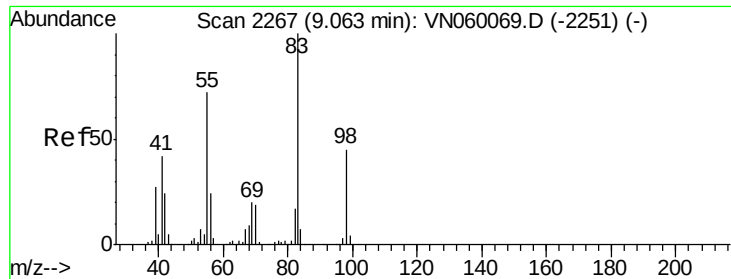
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#38
Carbon Tetrachloride
Concen: 18.492 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	117	Resp	54909
Ion Ratio	100	Lower	Upper
117	100		
119	97.2	78.2	117.4
121	30.8	24.2	36.2





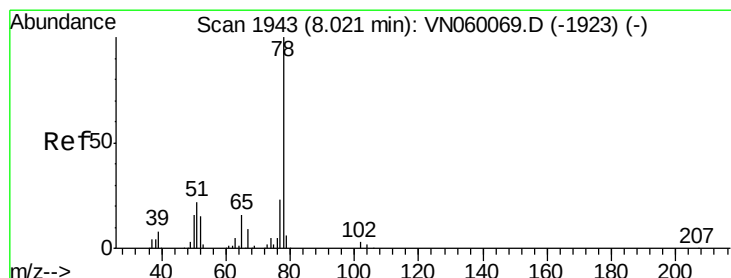
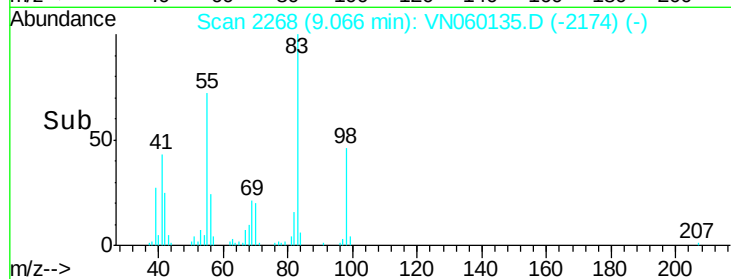
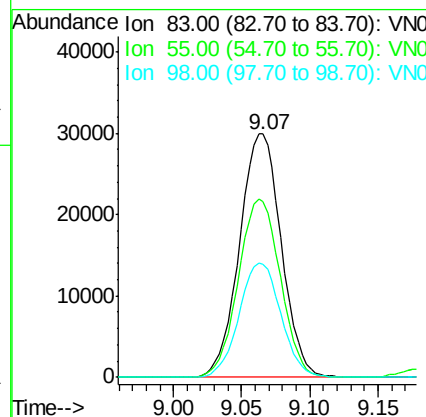
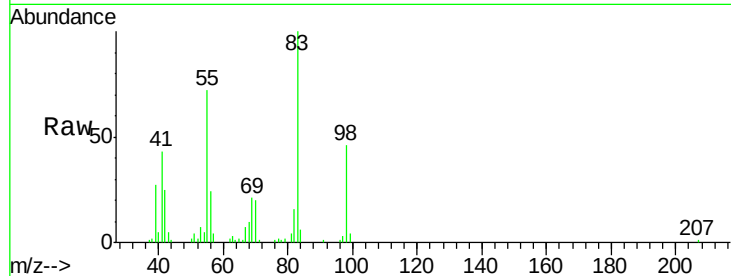
#39
Methylvlcyclohexane
Concen: 18.723 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	57.8	86.8
98	46.5	36.4	54.6

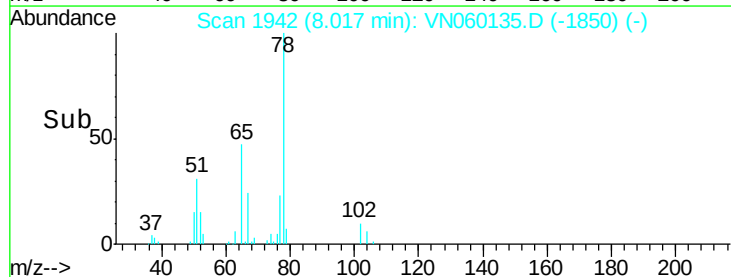
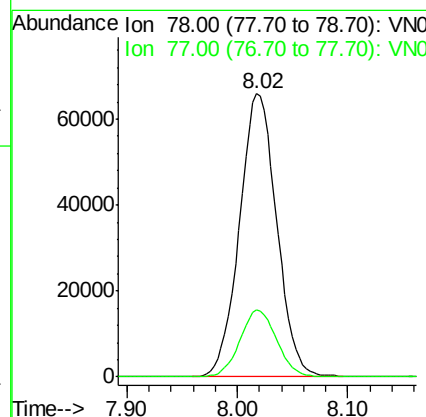
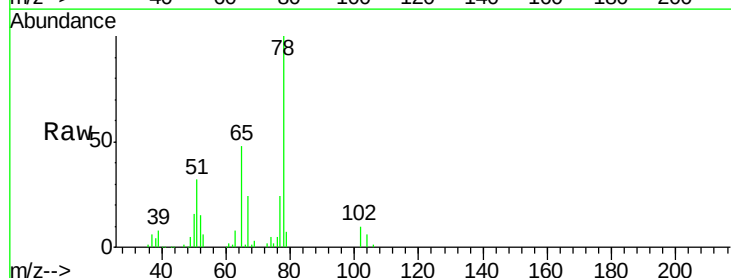
Manual Integrations
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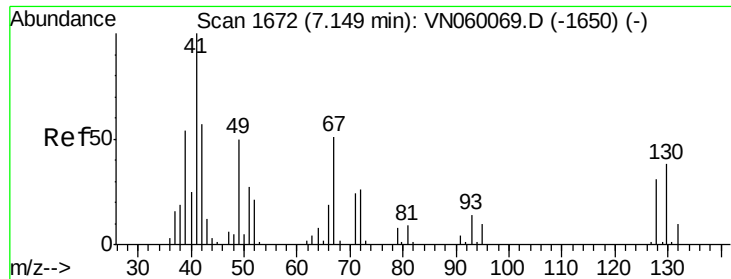
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#40
Benzene
Concen: 18.984 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





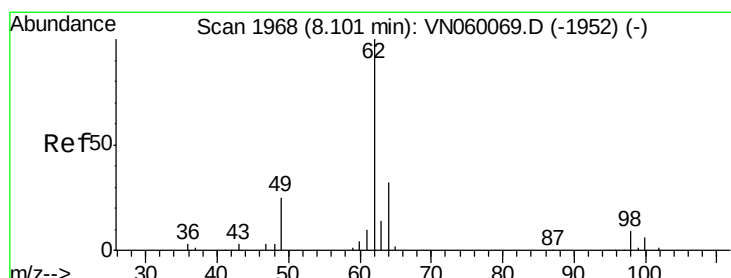
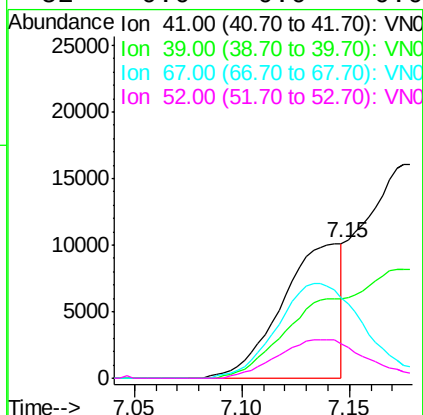
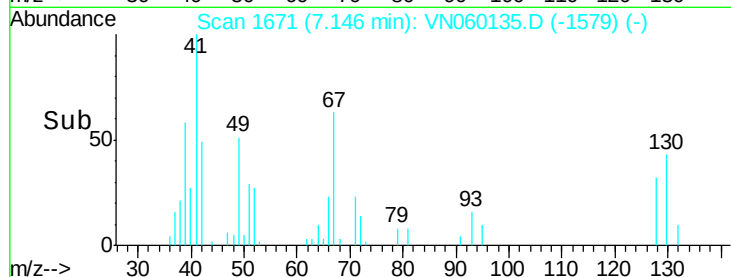
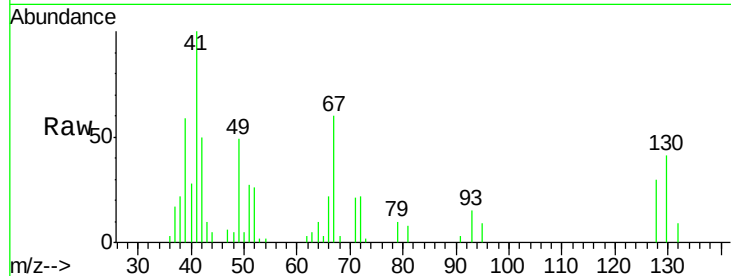
#41
Methacrylonitrile
Concen: 18.850 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	188.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

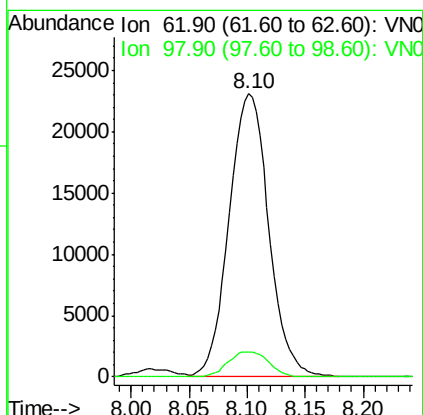
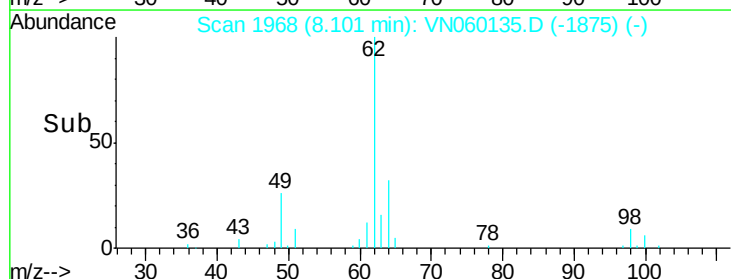
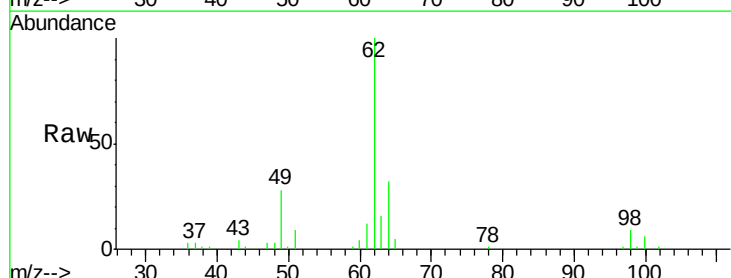
Manual Integrations
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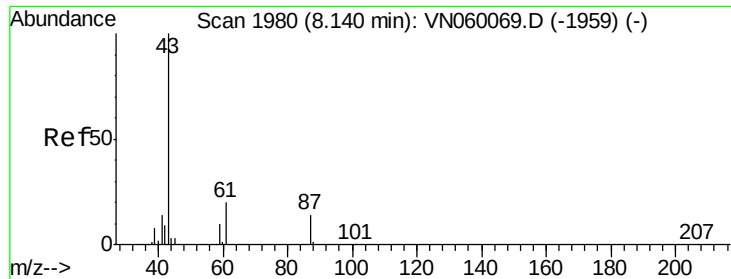
MMDadoda
2/19/2020 5:05:59 PM



#42
1,2-Dichloroethane
Concen: 19.320 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2





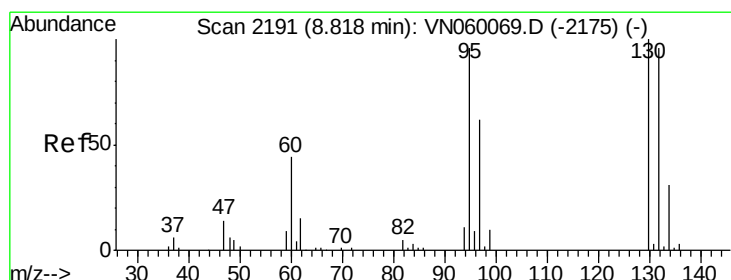
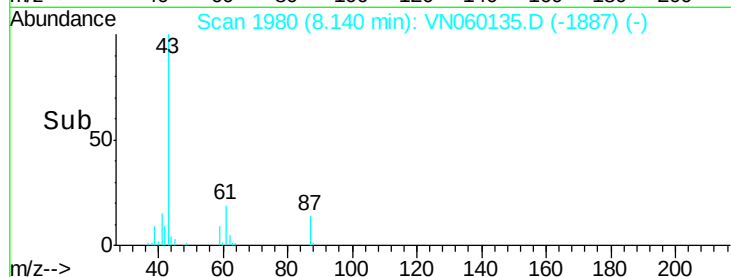
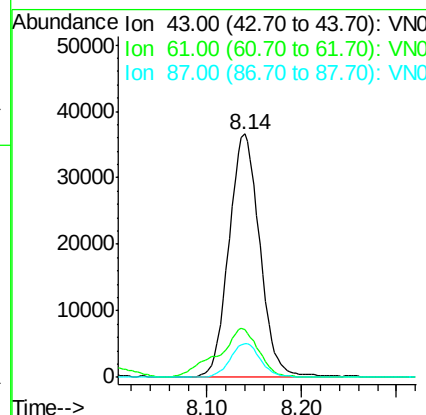
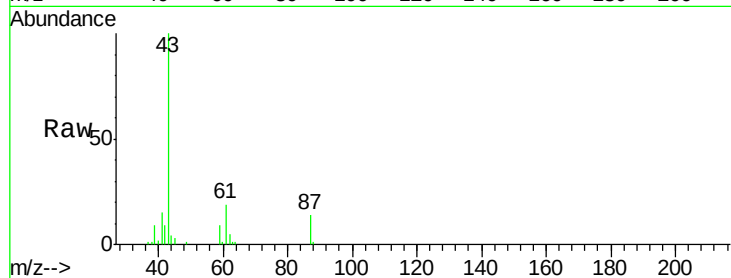
#43
Isopropyl Acetate
Concen: 19.684 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.8	32.6
87	13.6	11.4	17.2

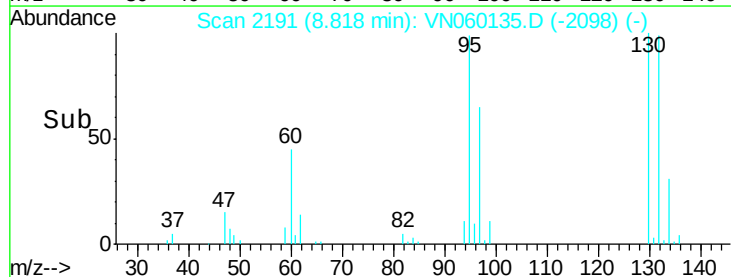
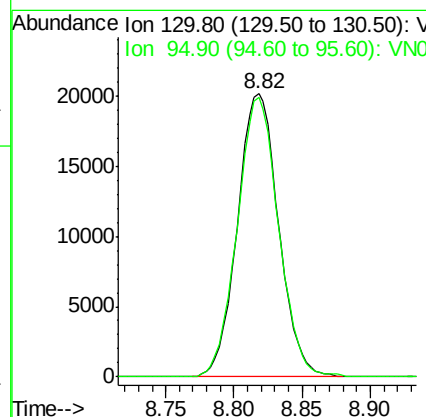
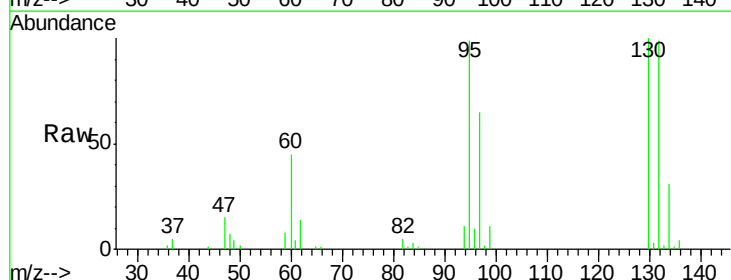
Manual Integrations
APPROVED

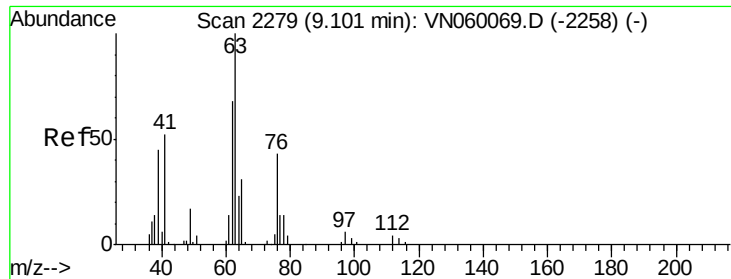
MMDadoda
2/19/2020 5:05:59 PM



#44
Trichloroethene
Concen: 18.743 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	192.4





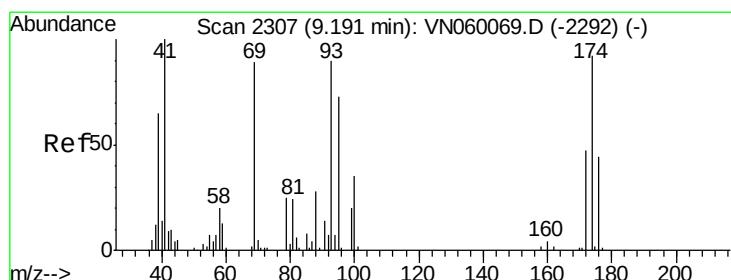
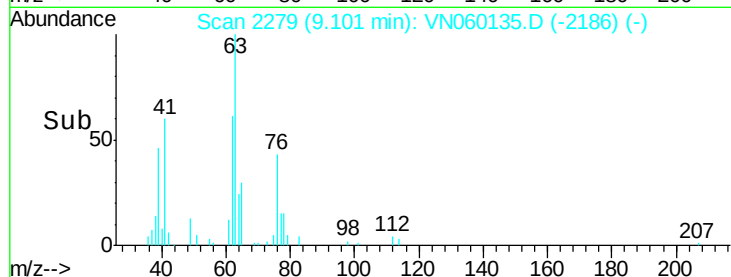
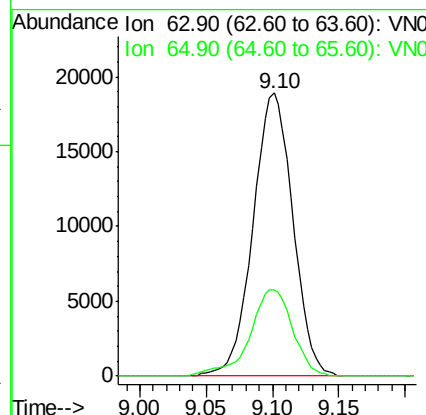
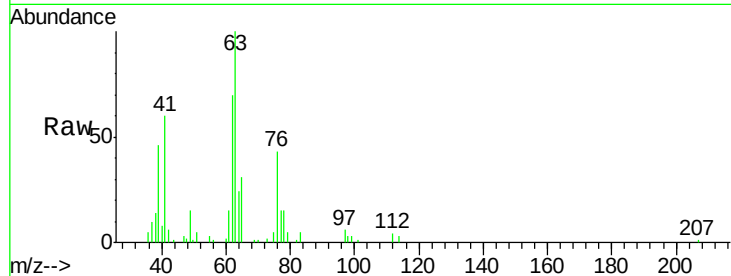
#45
 1,2-Dichloropropane
 Concen: 19.687 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 63 Resp: 39530
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.4

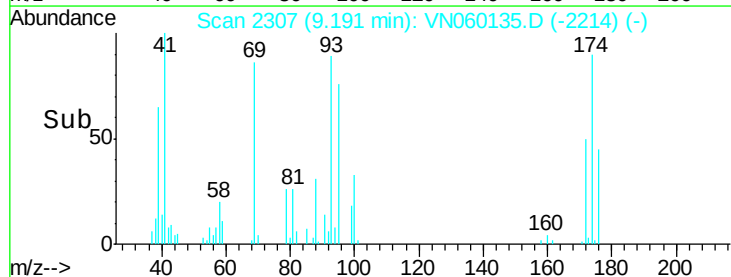
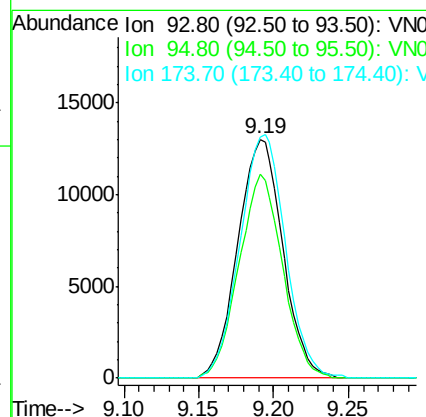
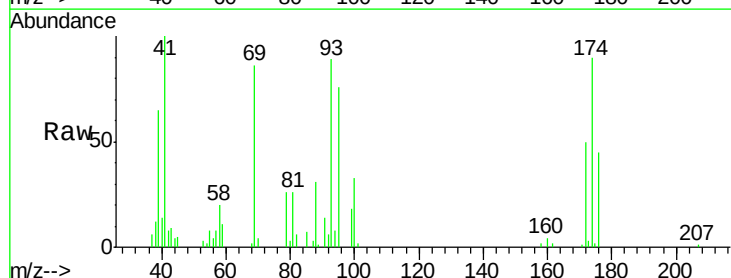
Manual Integrations
 APPROVED

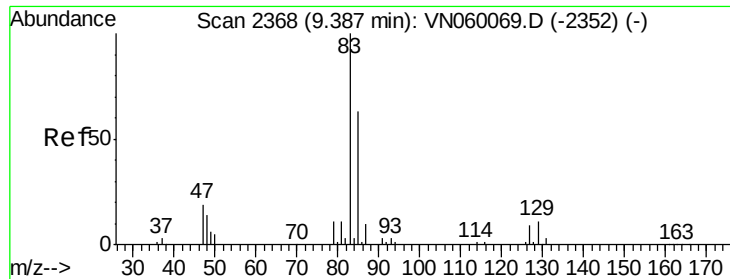
MMDadoda
 2/19/2020 5:05:59 PM



#46
 Dibromomethane
 Concen: 19.208 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion: 93 Resp: 27256
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.0 97.6
 174 103.0 82.3 123.5





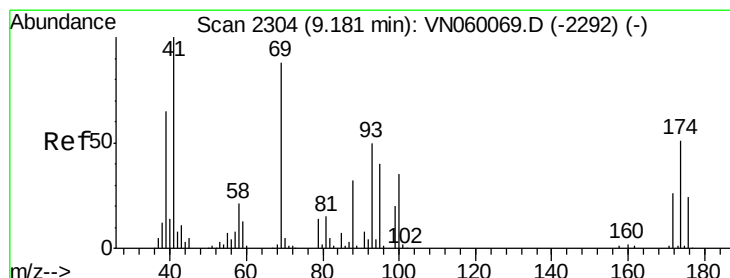
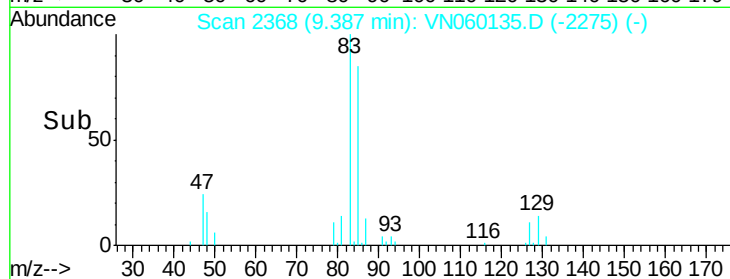
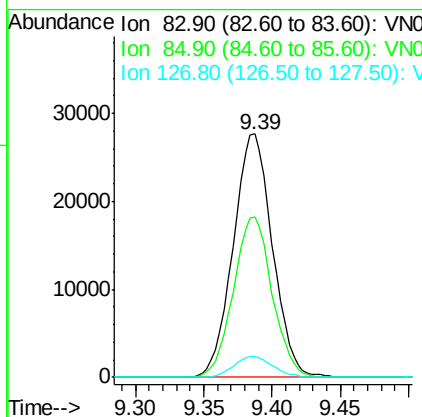
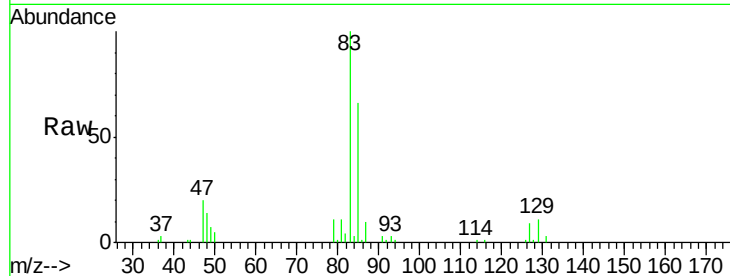
#47
Bromodichloromethane
Concen: 19.122 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0218WBS01

Tot Ion	83	Resp	55164
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	50.6	75.8
127	8.6	7.0	10.6

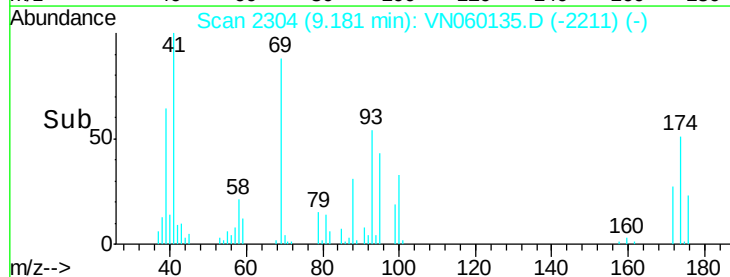
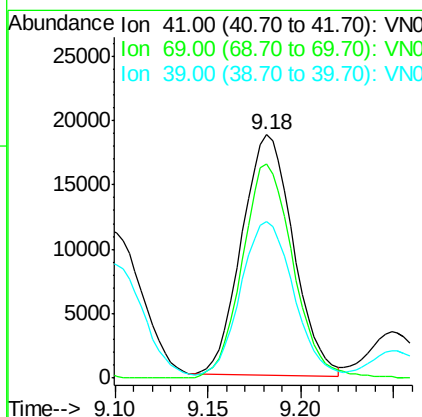
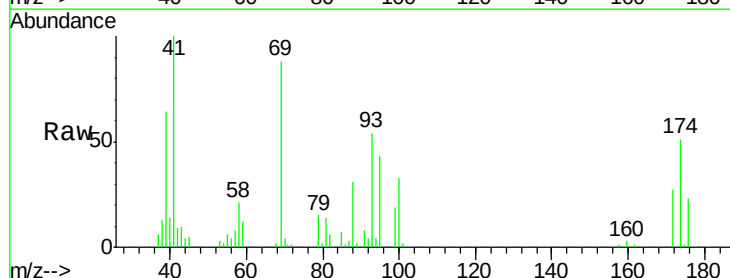
Manual Integrations
APPROVED

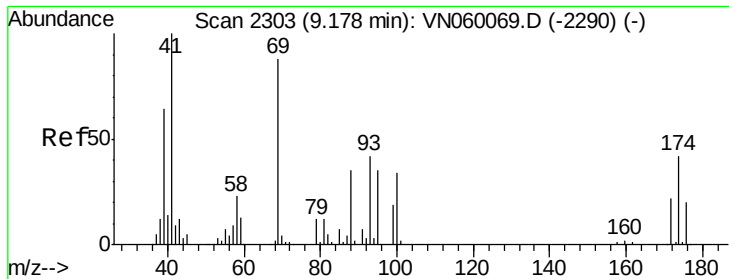
MMDadoda
2/19/2020 5:05:59 PM



#48
Methyl methacrylate
Concen: 18.928 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	41	Resp	35873
Ion Ratio	100	Lower	Upper
41	100		
69	88.6	72.0	108.0
39	65.1	54.1	81.1





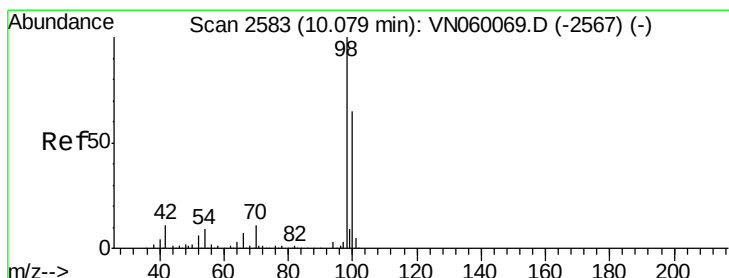
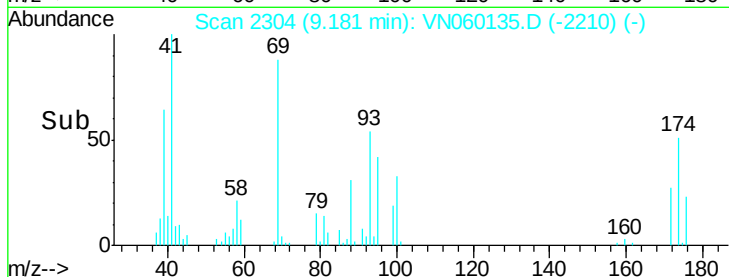
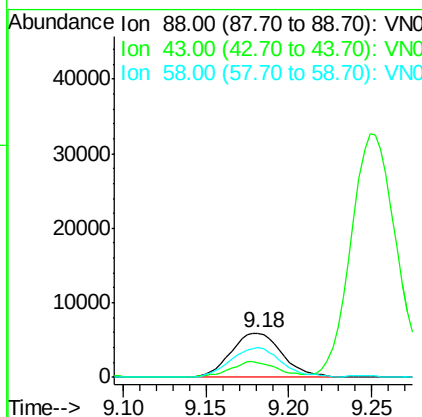
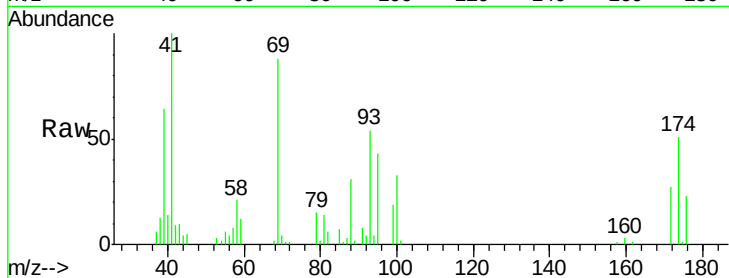
#49
1,4-Dioxane
Concen: 394.212 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.2	39.2
58	65.7	53.2	79.8

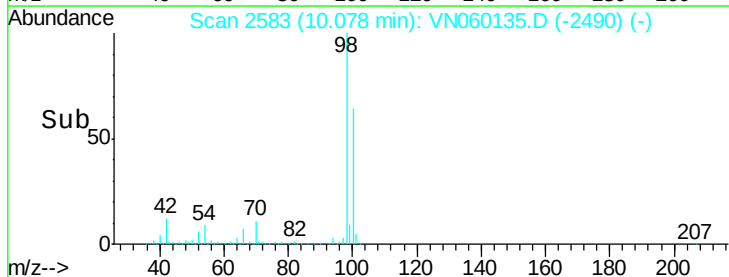
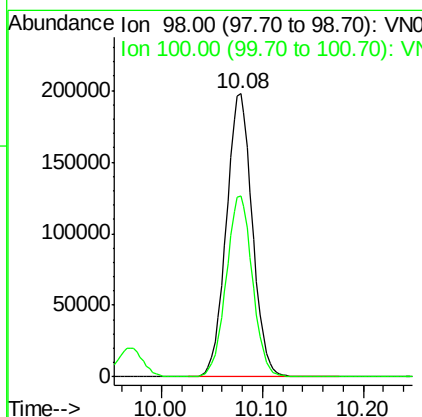
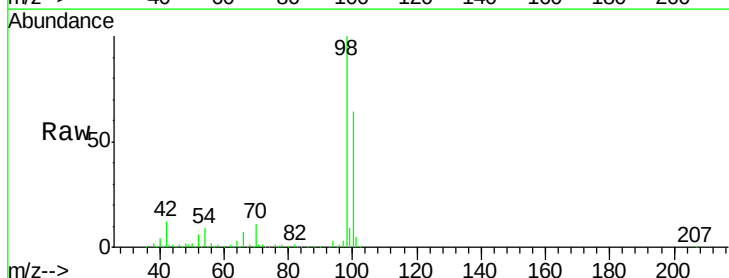
Manual Integrations
APPROVED

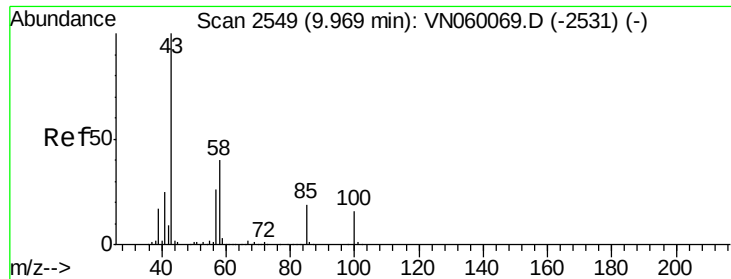
MMDadoda
2/19/2020 5:05:59 PM



#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 96.669 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion: 43 Resp: 236351

Ion Ratio Lower Upper

43 100

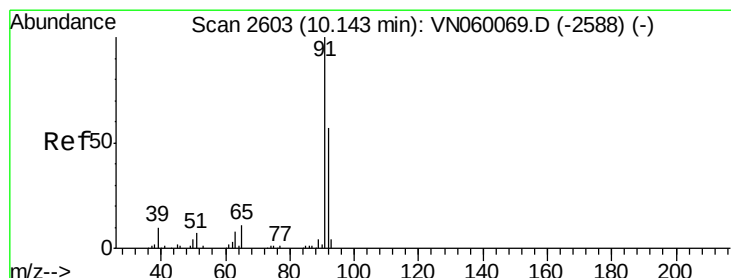
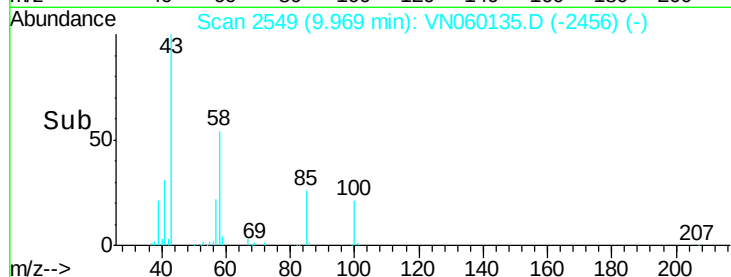
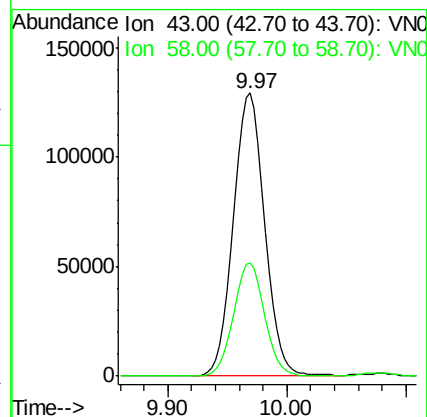
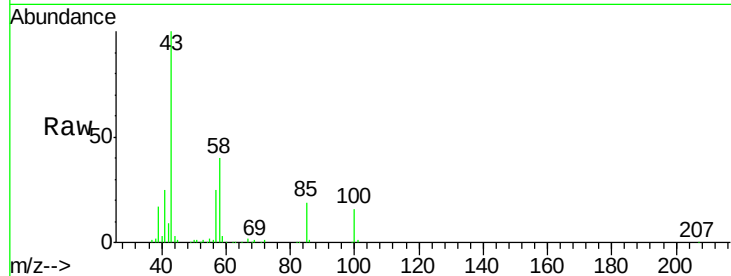
58 39.6 31.8 47.8

Manual Integrations

APPROVED

MMDadoda

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#52

Toluene

Concen: 18.620 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060135.D

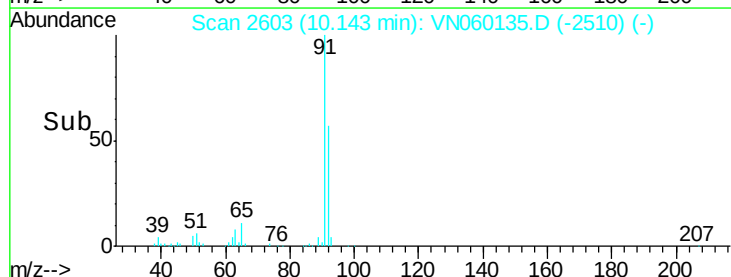
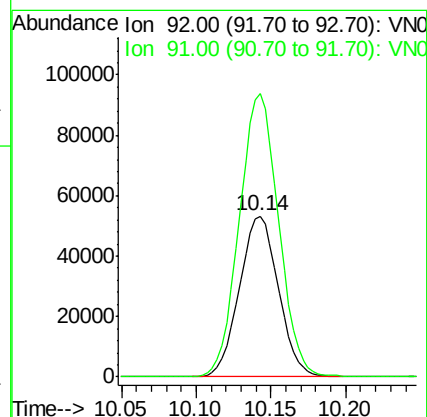
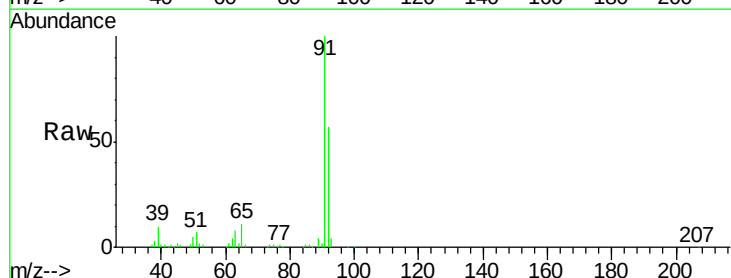
Acq: 18 Feb 2020 11:35

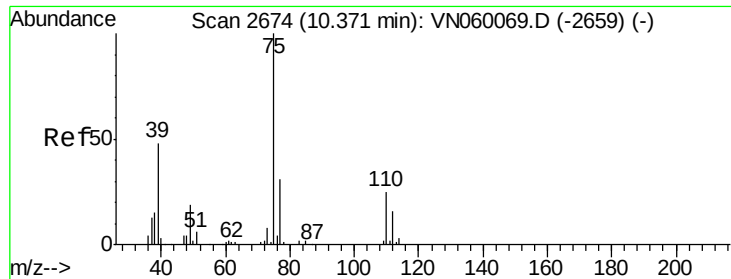
Tgt Ion: 92 Resp: 96843

Ion Ratio Lower Upper

92 100

91 176.9 140.9 211.3





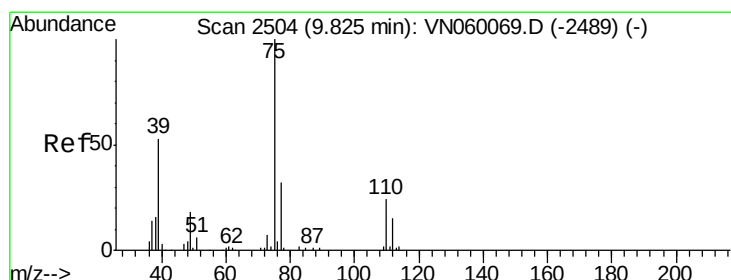
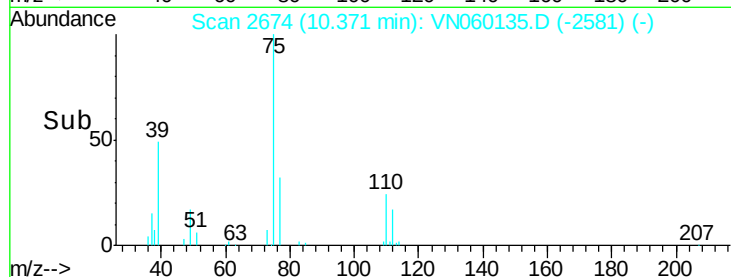
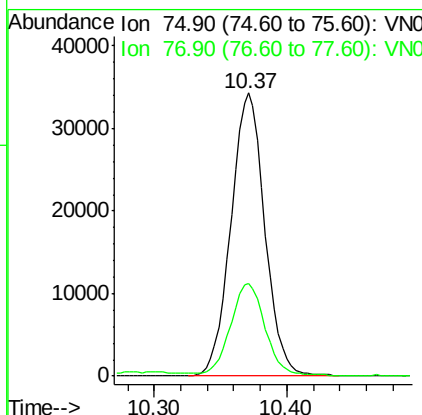
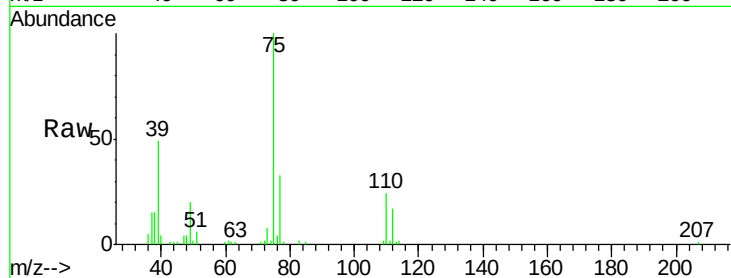
#53
t-1,3-Dichloropropene
Concen: 18.634 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.4	38.0

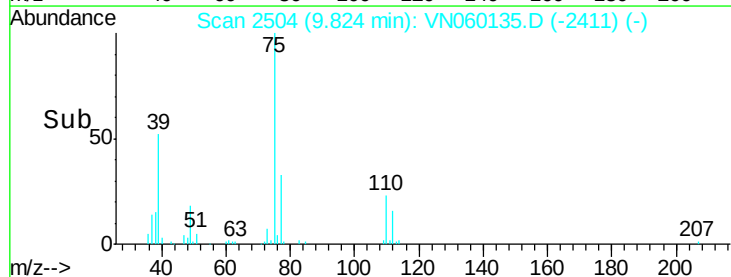
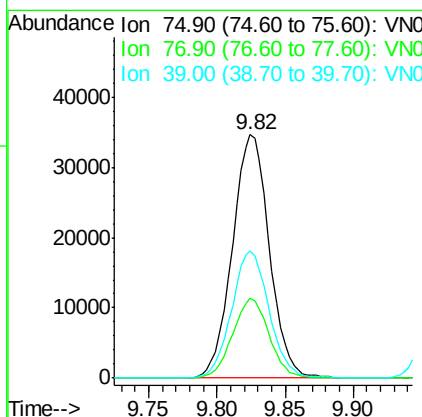
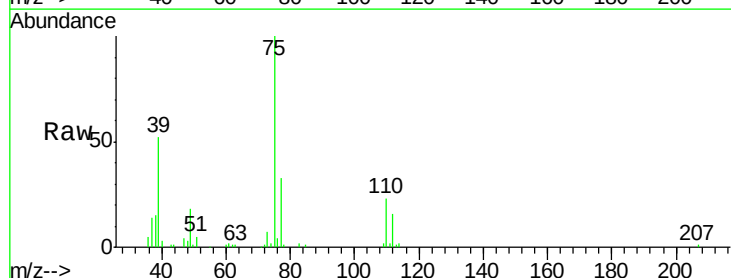
Manual Integrations
APPROVED

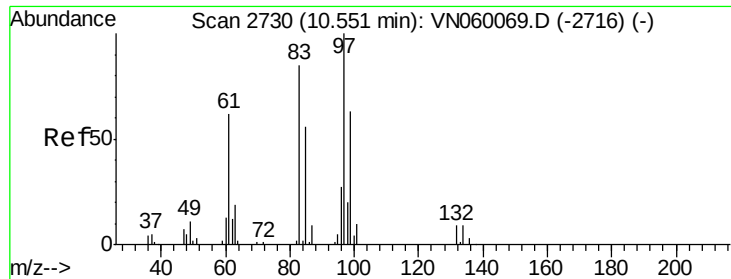
MMDadoda
2/19/2020 5:05:59 PM



#54
cis-1,3-Dichloropropene
Concen: 18.993 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.6	38.4
39	52.2	42.2	63.4





#55

1,1,2-Trichloroethane

Concen: 18.697 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

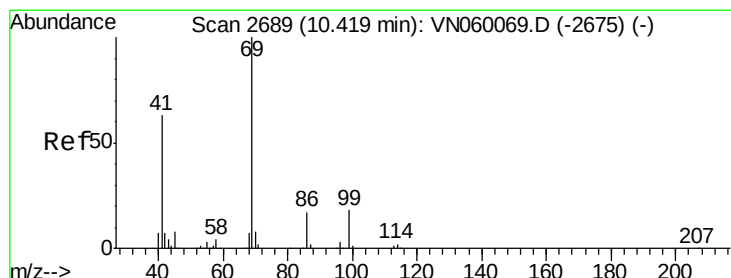
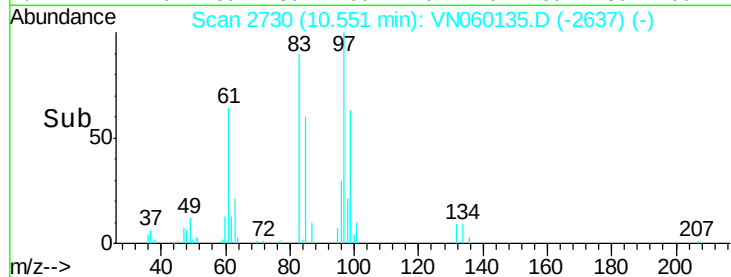
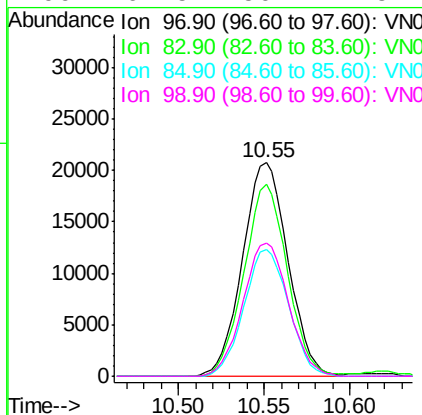
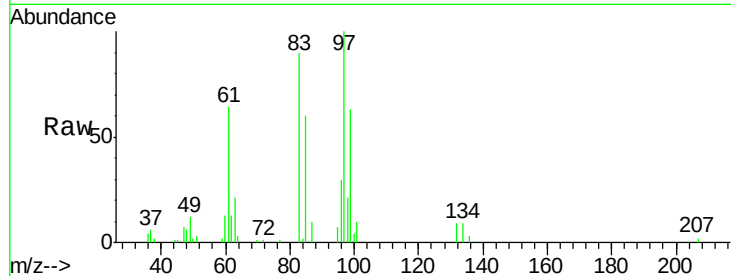
ClientSampleId :

VN0218WBS01

Tot Ion:	97	Resp:	37936
Ion	Ratio	Lower	Upper
97	100		
83	89.8	67.9	101.9
85	59.5	44.6	67.0
99	62.5	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.857 ug/l

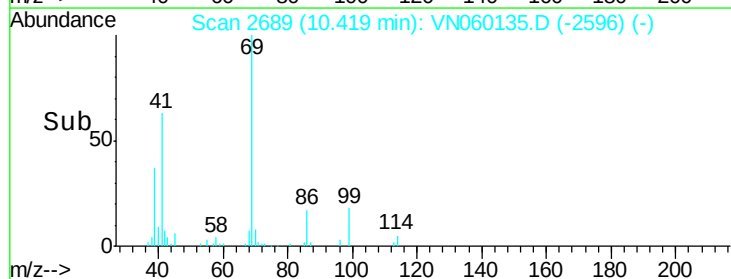
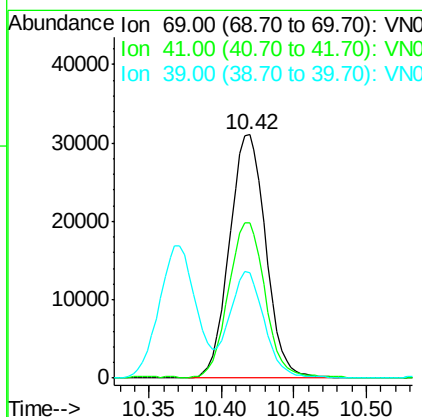
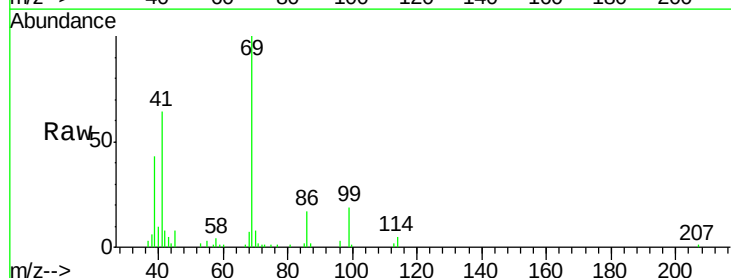
RT: 10.42 min Scan# 2689

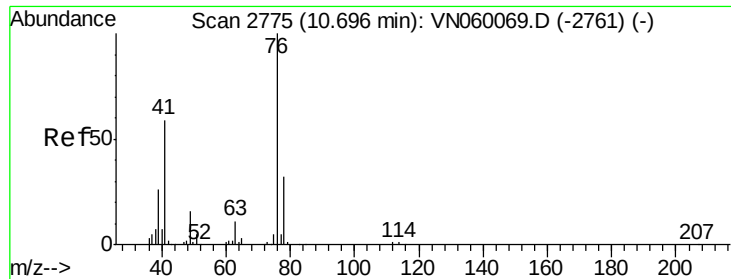
Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	69	Resp:	54125
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.1	76.7
39	42.6	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.081 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 76 Resp: 63885

Ion Ratio Lower Upper

76 100

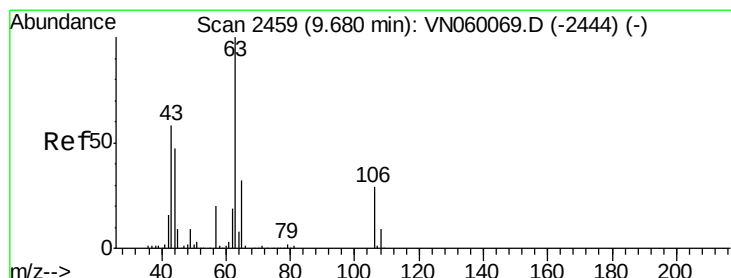
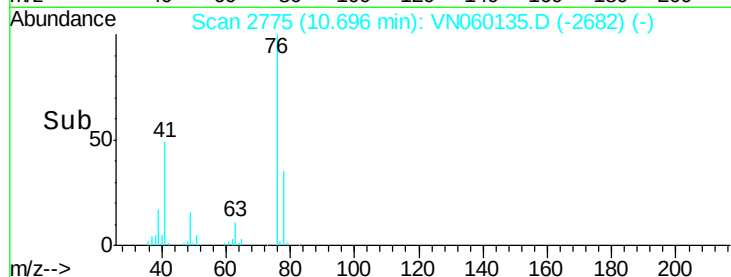
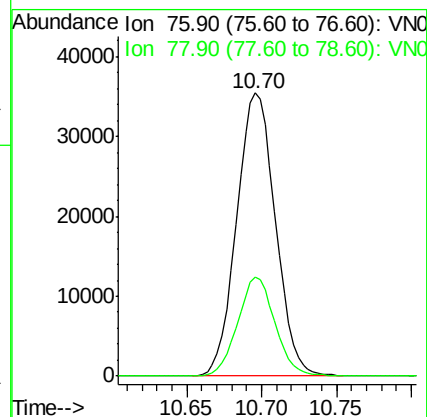
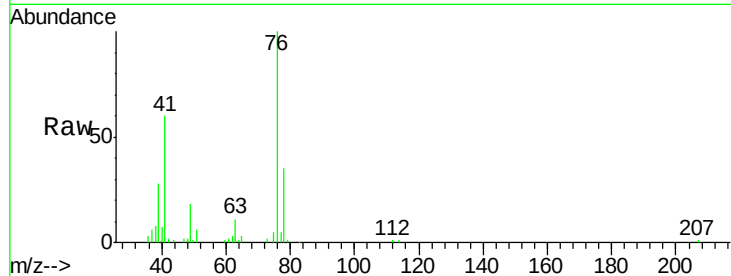
78 33.7 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 97.316 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060135.D

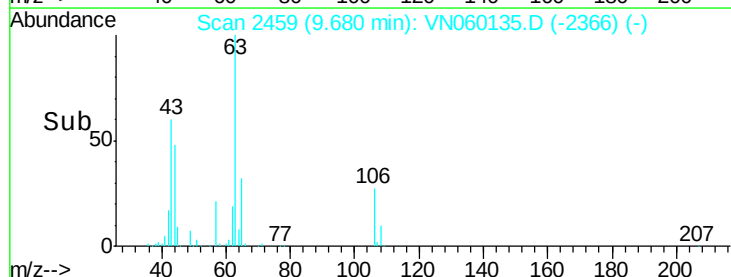
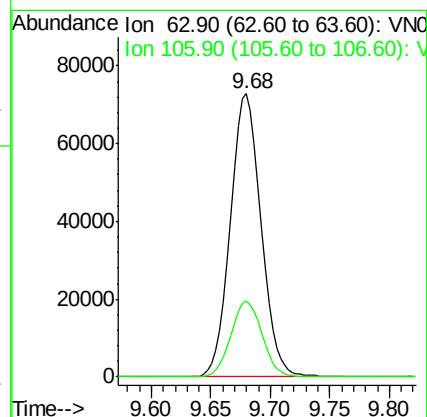
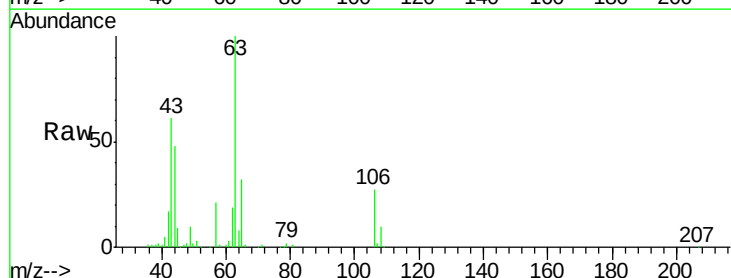
Acq: 18 Feb 2020 11:35

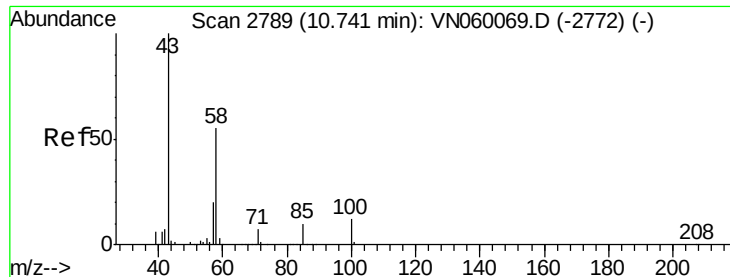
Tgt Ion: 63 Resp: 130130

Ion Ratio Lower Upper

63 100

106 27.1 22.9 34.3





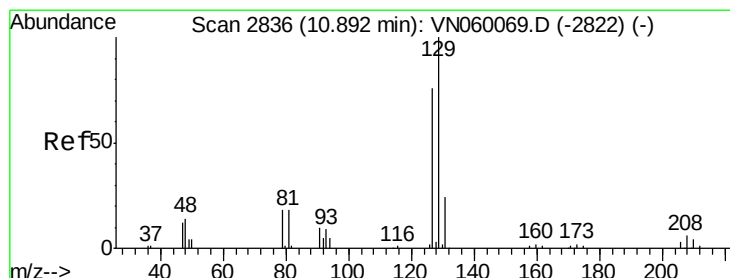
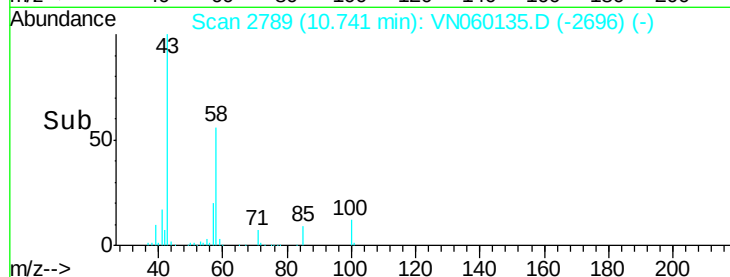
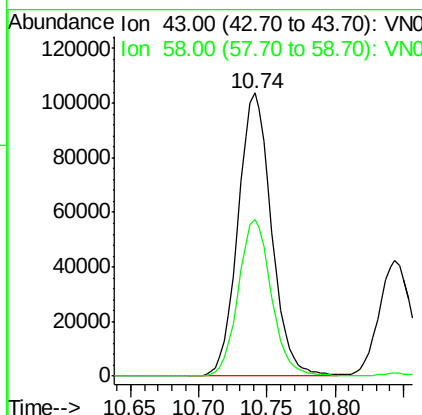
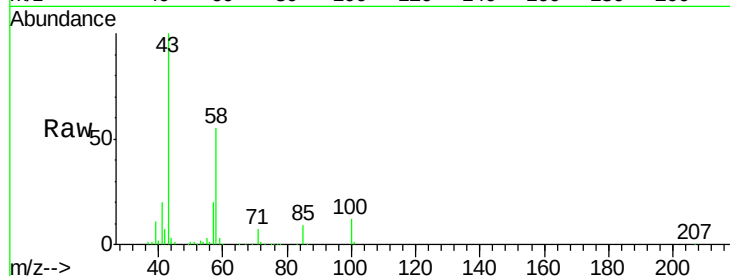
#59
2-Hexanone
Concen: 93.569 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion: 43 Resp: 176720
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.4

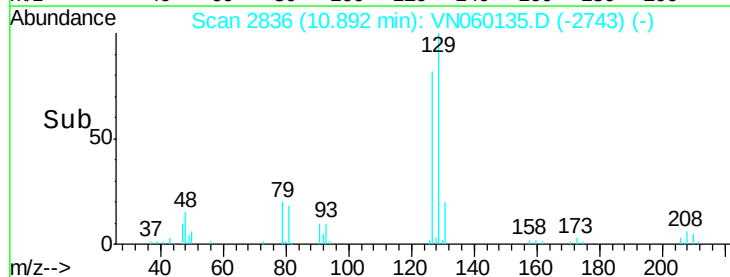
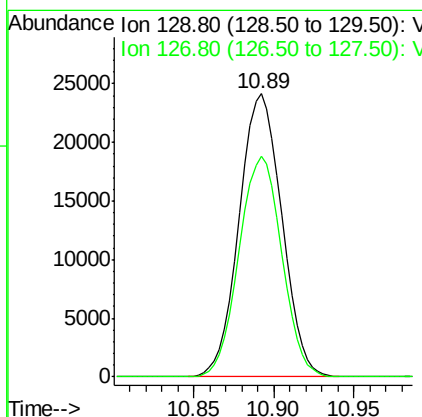
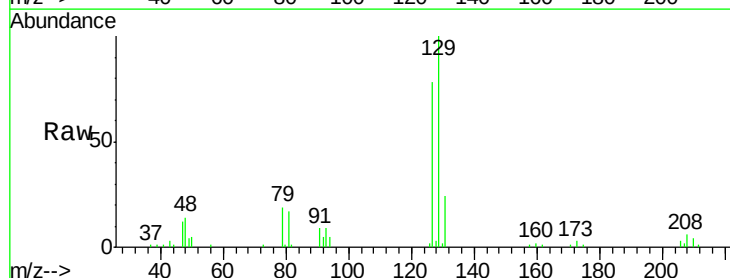
Manual Integrations
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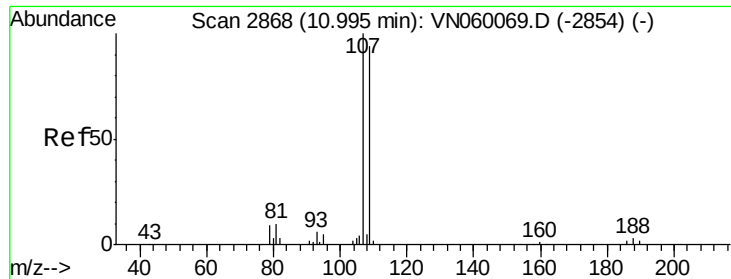
MMDadoda
2/19/2020 5:05:59 PM



#60
Dibromochloromethane
Concen: 18.903 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion: 129 Resp: 44015
Ion Ratio Lower Upper
129 100
127 77.9 38.0 114.1





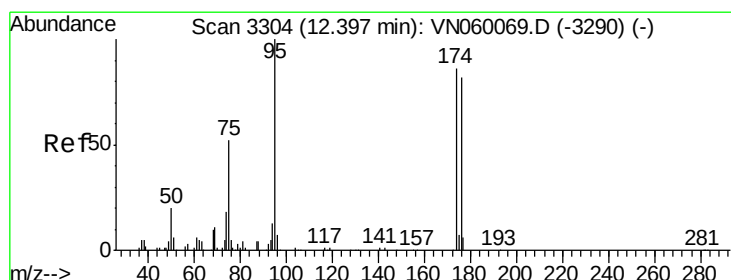
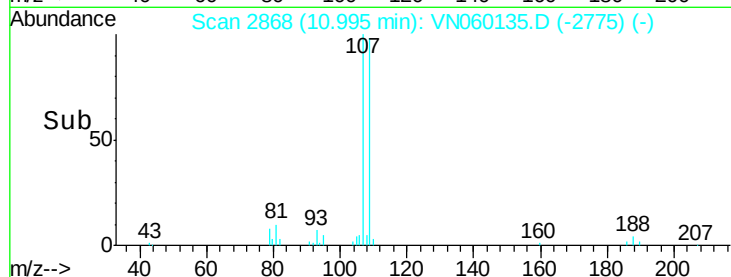
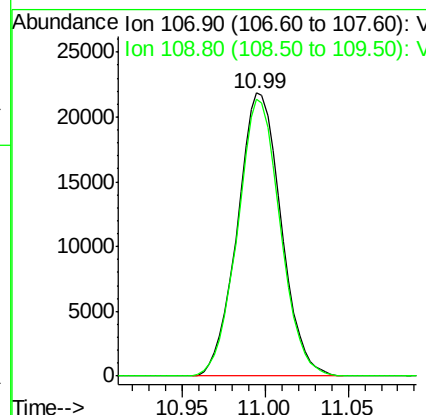
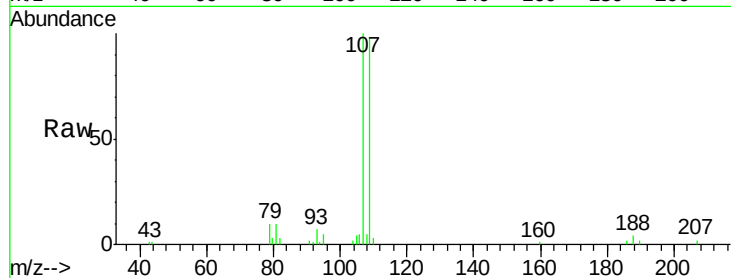
#61
 1,2-Dibromoethane
 Concen: 18.778 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion: 107 Resp: 39942
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.0

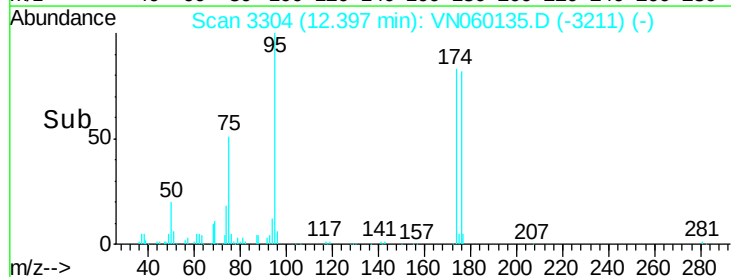
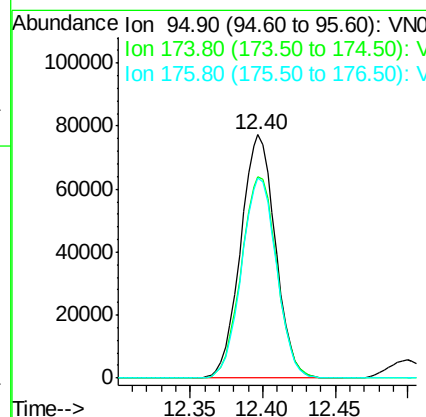
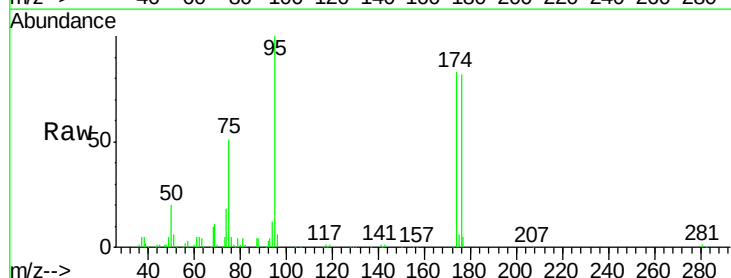
Manual Integrations
 APPROVED

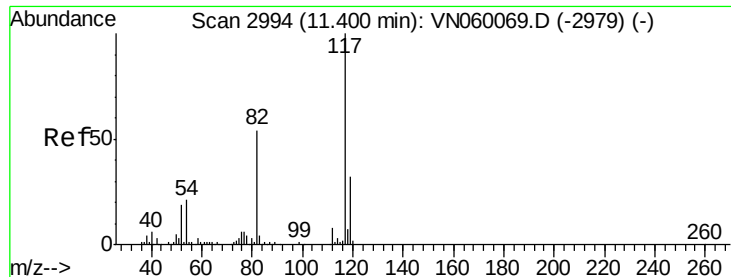
MMDadoda
 2/19/2020 5:05:59 PM



#62
 4-Bromofluorobenzene
 Concen: 49.002 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion: 95 Resp: 128660
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 169.8
 176 82.6 0.0 164.8





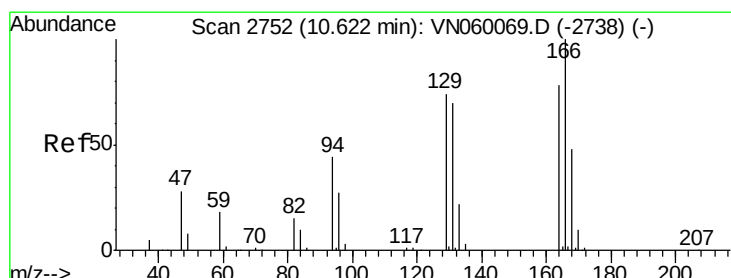
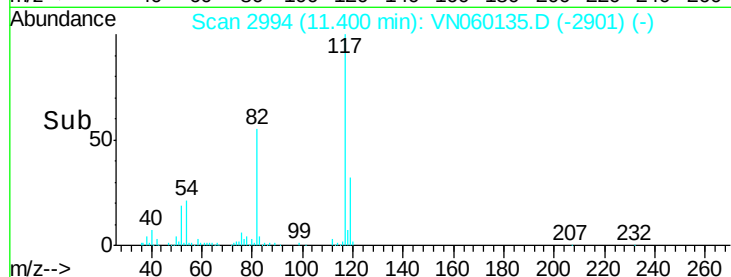
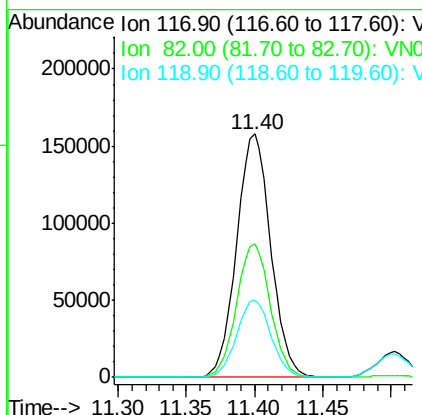
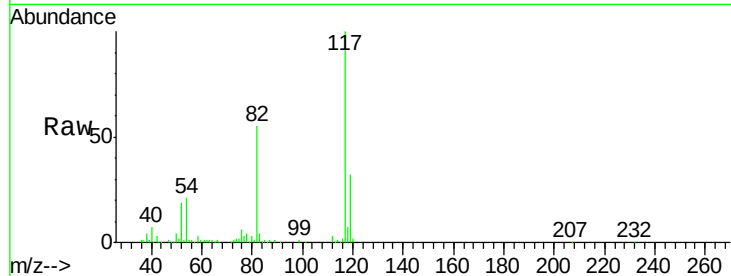
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	274021		
82	54.6	43.4	65.0	
119	31.8	25.8	38.6	

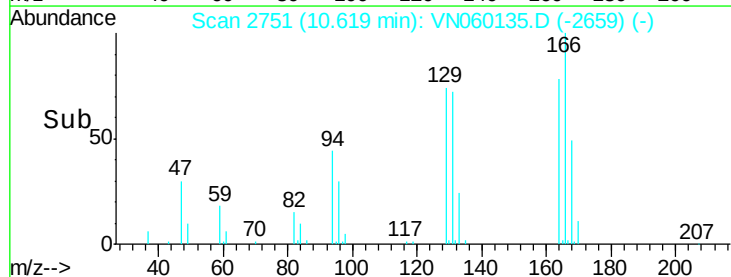
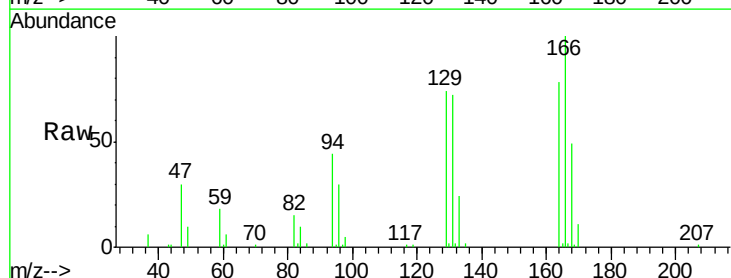
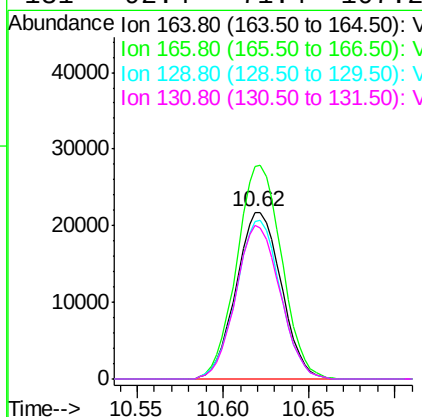
Manual Integrations
APPROVED

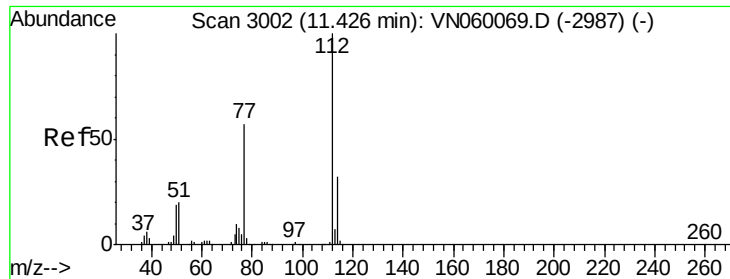
MMDadoda
2/19/2020 5:05:59 PM



#64
Tetrachloroethene
Concen: 19.002 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39583		
166	127.7	101.9	152.9	
129	94.5	75.4	113.0	
131	92.4	71.4	107.2	





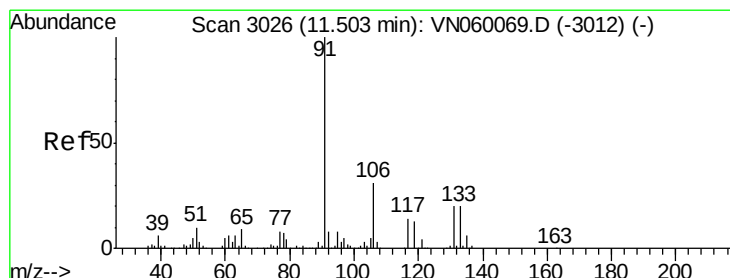
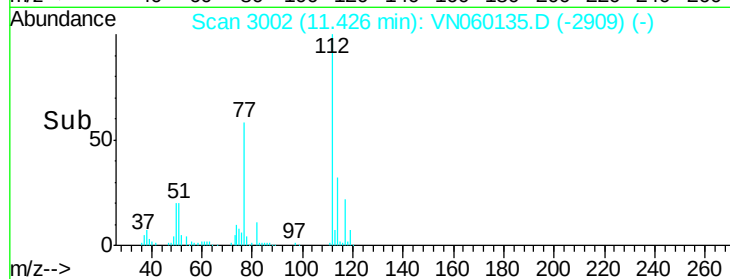
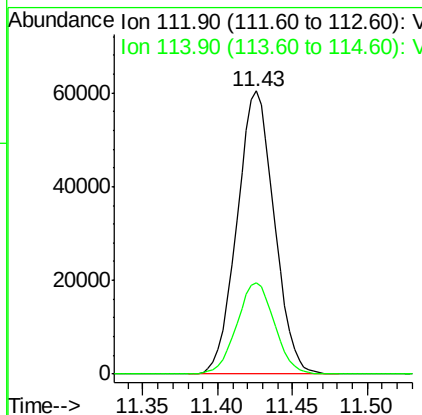
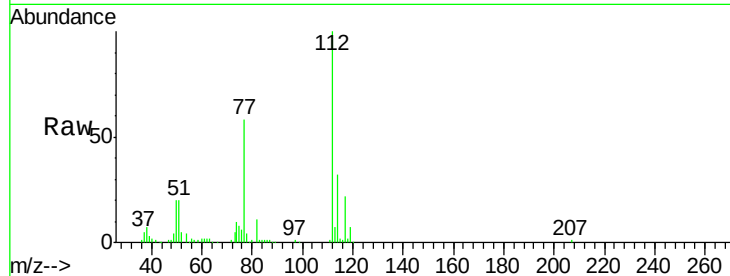
#65
Chlorobenzene
Concen: 18.713 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

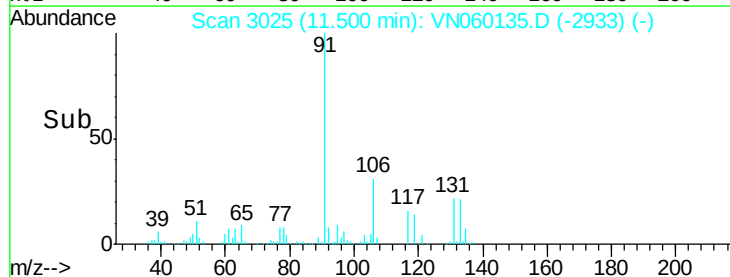
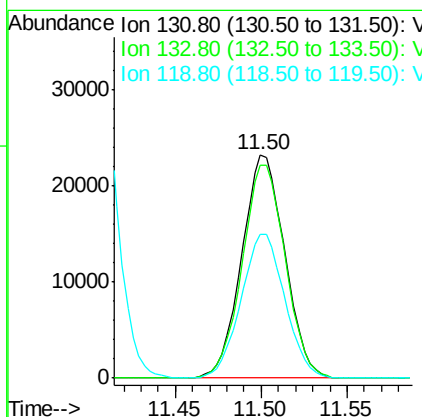
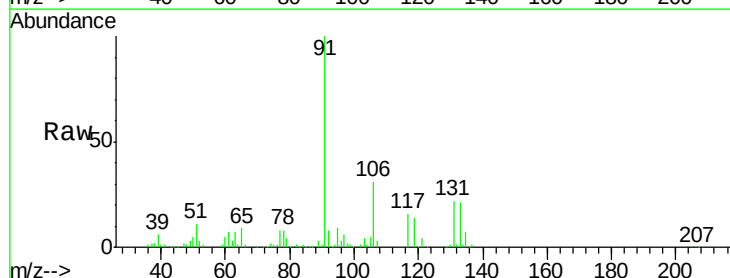
Manual Integrations
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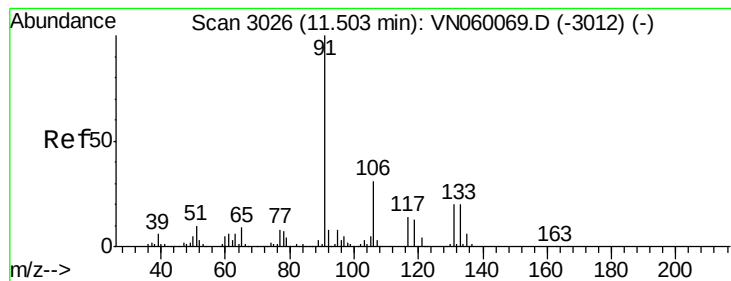
MMDadoda
2/19/2020 5:05:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.048 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.7
119	65.7	32.6	97.7





#67

Ethyl Benzene

Concen: 18.709 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion: 91 Resp: 188379

Ion Ratio Lower Upper

91 100

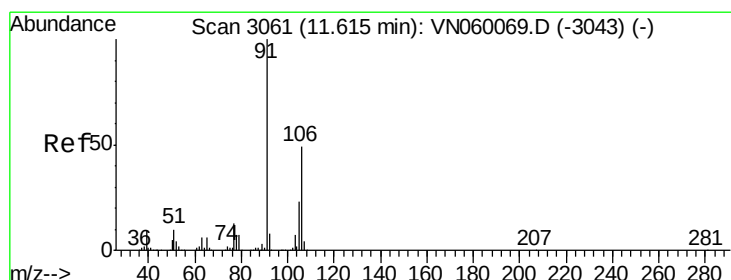
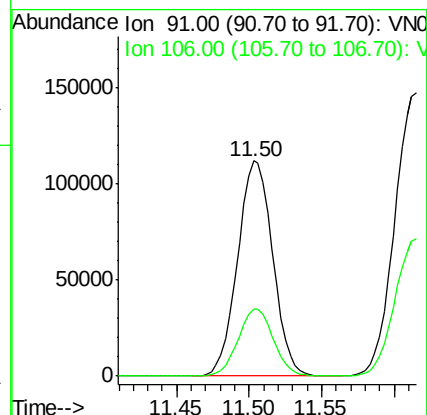
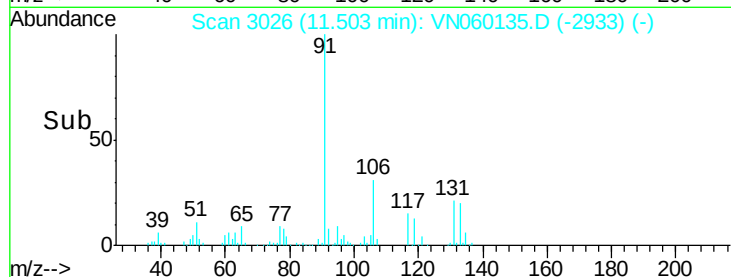
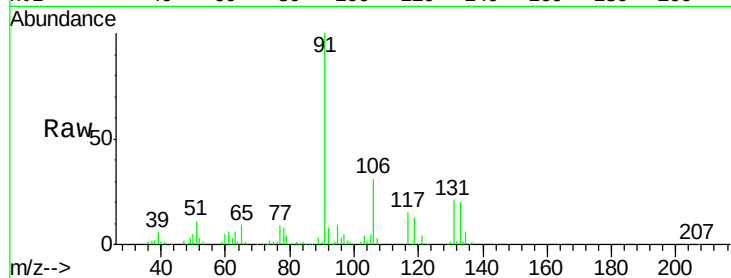
106 31.3 25.1 37.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 36.906 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060135.D

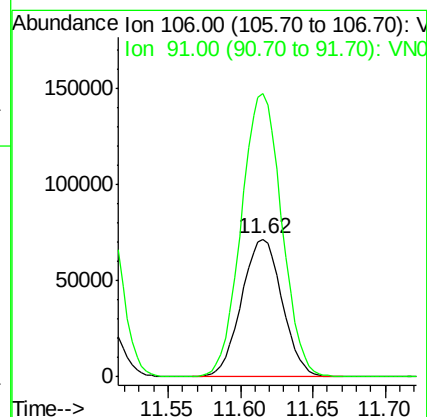
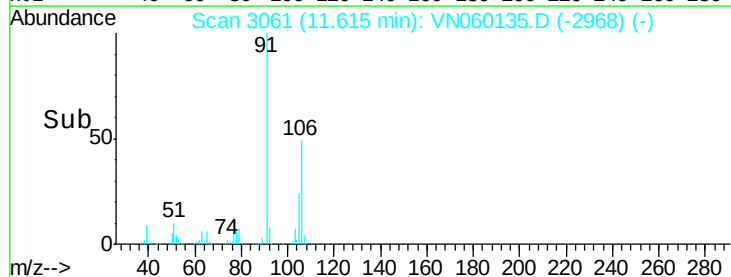
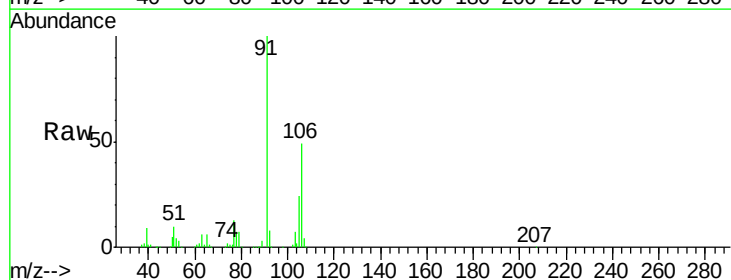
Acq: 18 Feb 2020 11:35

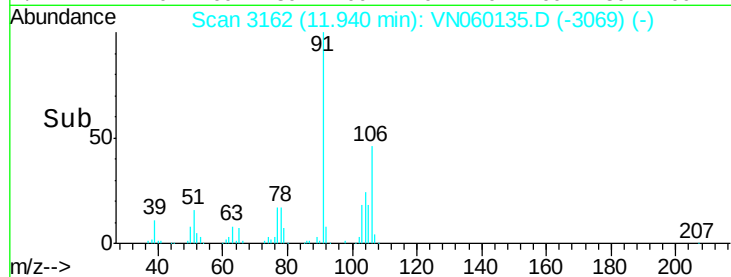
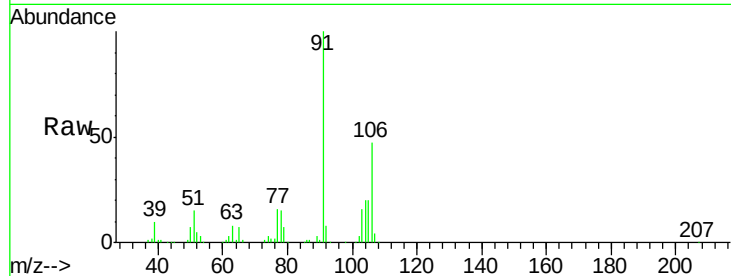
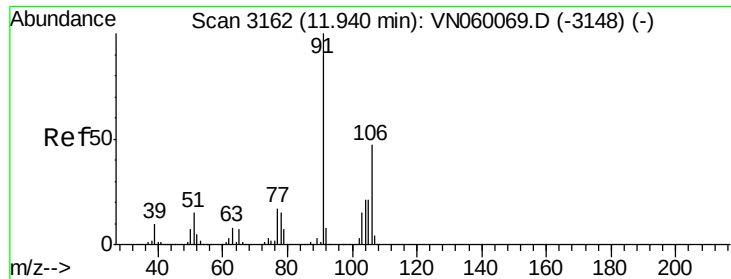
Tgt Ion: 106 Resp: 139469

Ion Ratio Lower Upper

106 100

91 205.1 162.7 244.1





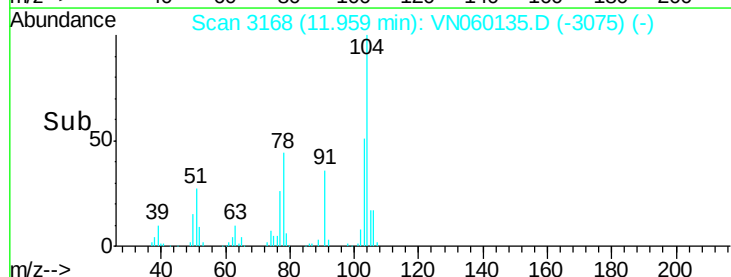
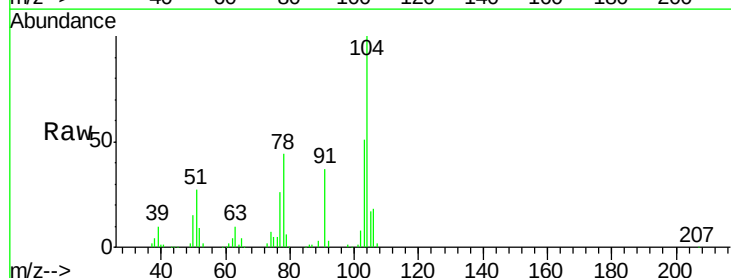
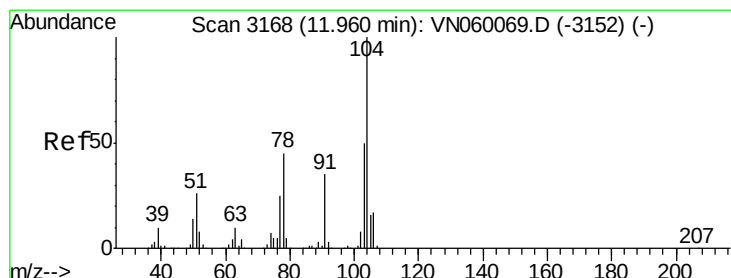
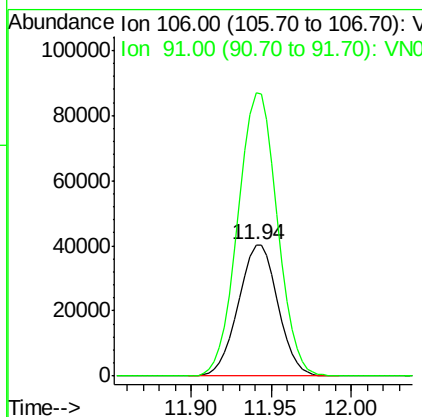
#69
o-Xylene
Concen: 18.646 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		67846		
91	215.2	107.2	321.6		

Instrument :
MSVOA_N
ClientSampled :
VN0218WBS01

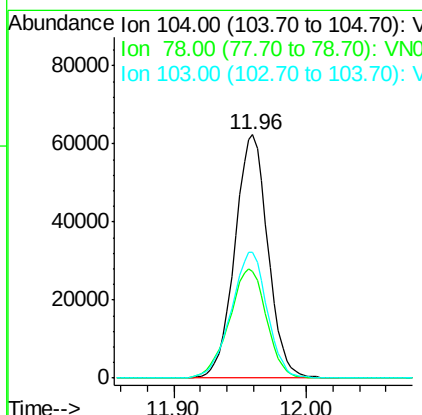
Manual Integrations
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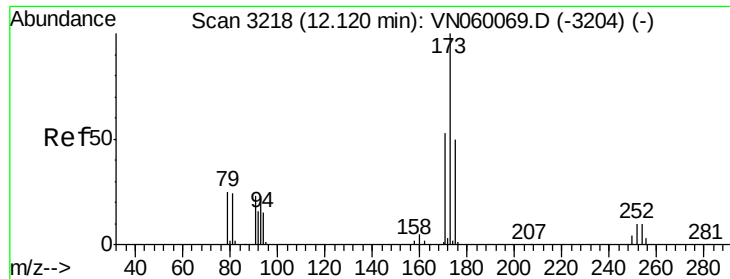
MMDadoda
2/19/2020 5:05:59 PM



#70
Styrene
Concen: 18.386 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		107882		
78	50.5	40.2	60.2		
103	56.6	44.3	66.5		





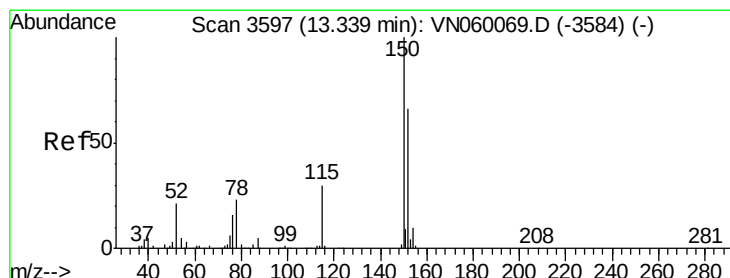
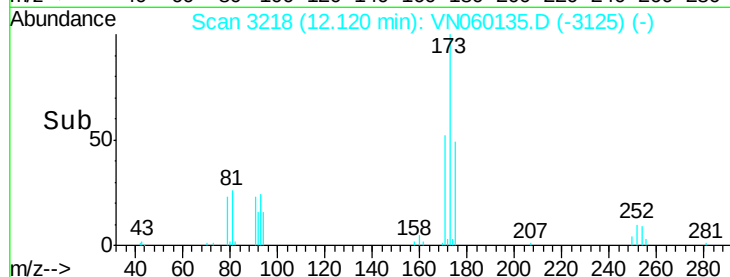
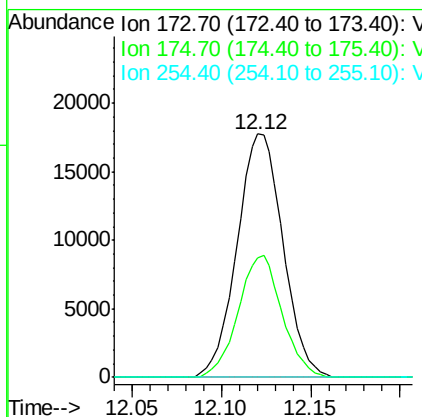
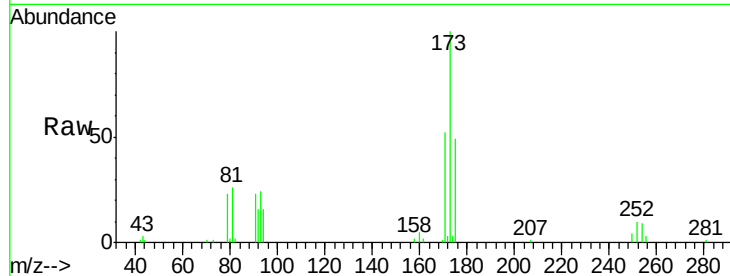
#71
Bromoform
Concen: 18.778 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.9	74.6
254	0.0	0.0	0.0

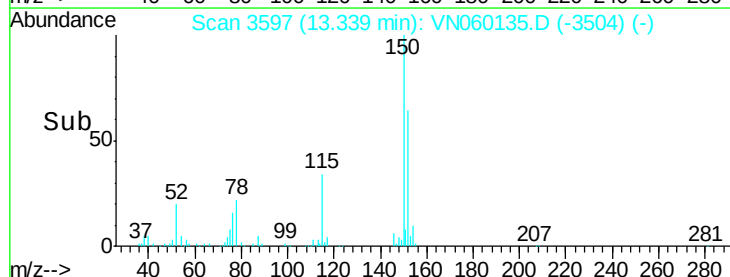
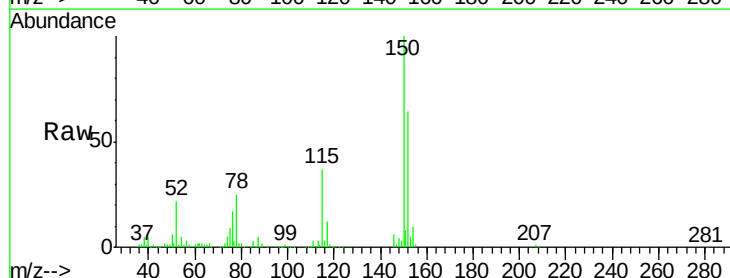
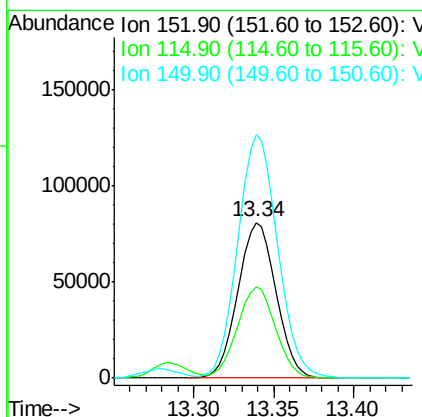
Manual Integrations
APPROVED

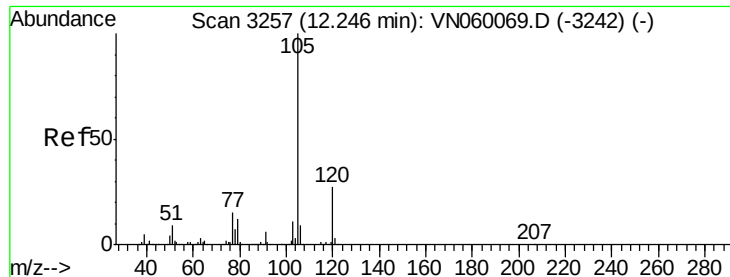
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.9	86.8
150	164.3	0.0	342.4





#73

Isopropylbenzene

Concen: 18.816 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampled :

VN0218WBS01

Tot Ion: 105 Resp: 184448

Ion Ratio Lower Upper

105 100

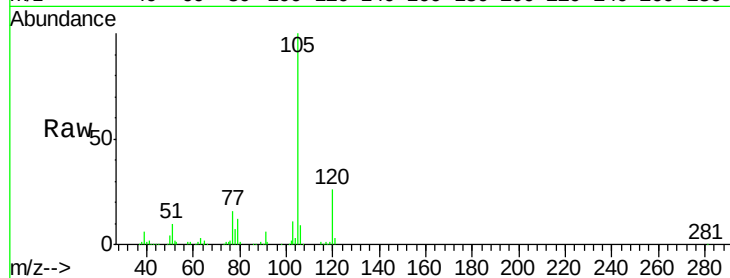
120 25.9 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

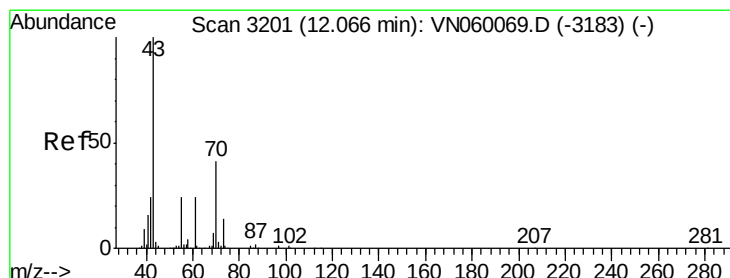
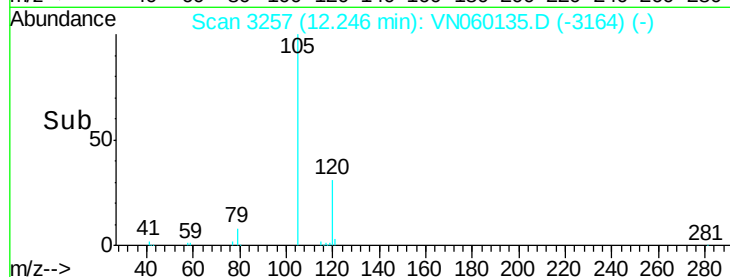
60000

40000

20000

0

Time-->



#74

N-ethyl acetate

Concen: 18.958 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion: 43 Resp: 67012

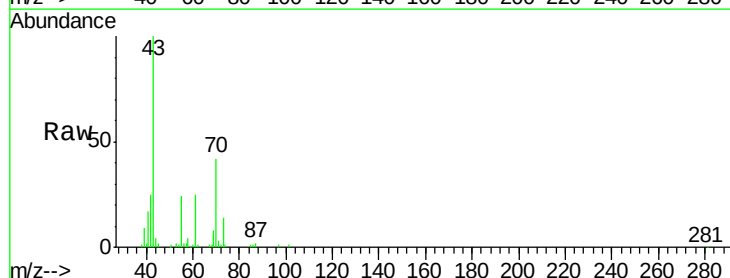
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.1 18.8 28.2

61 24.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN

60000

50000

40000

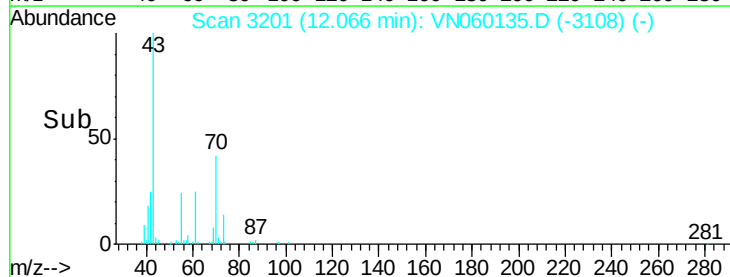
30000

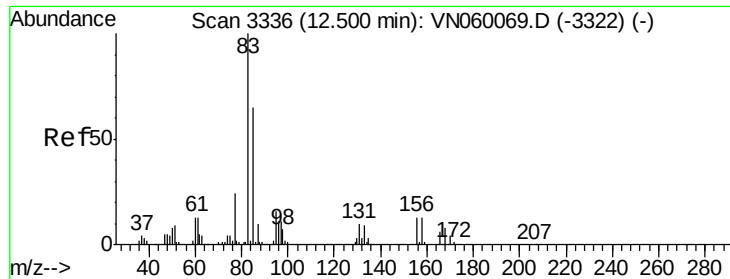
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

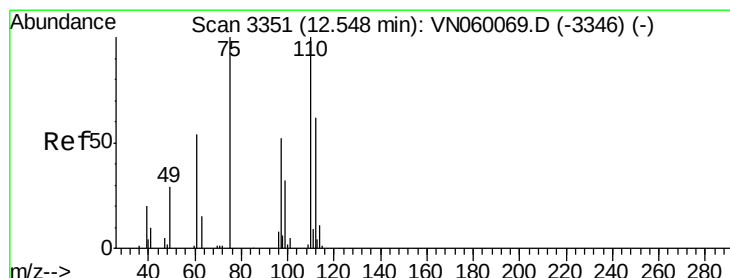
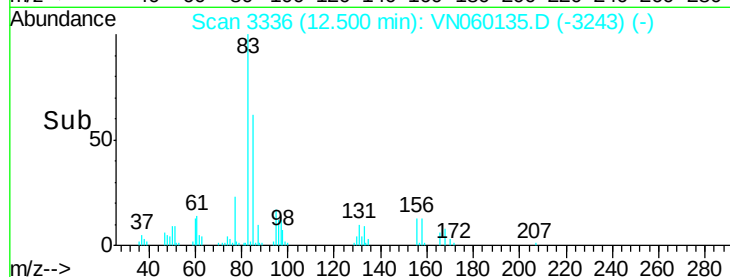
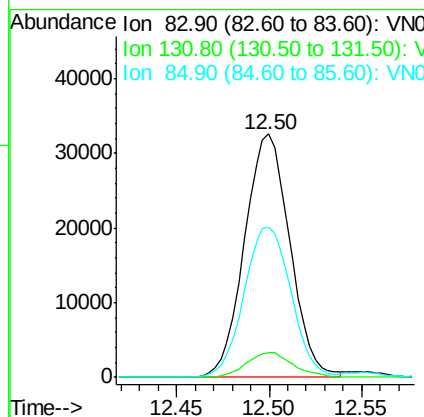
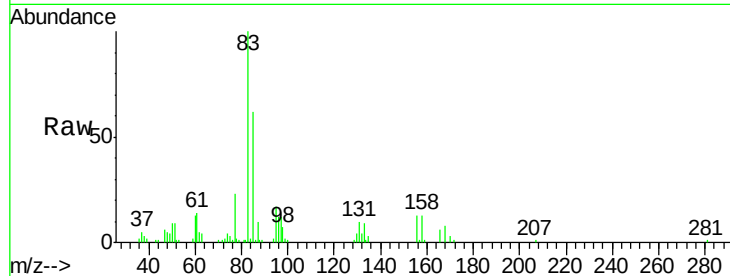
ClientSampleId :

VN0218WBS01

Tot Ion:	83	Resp:	55263
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.931 ug/l m

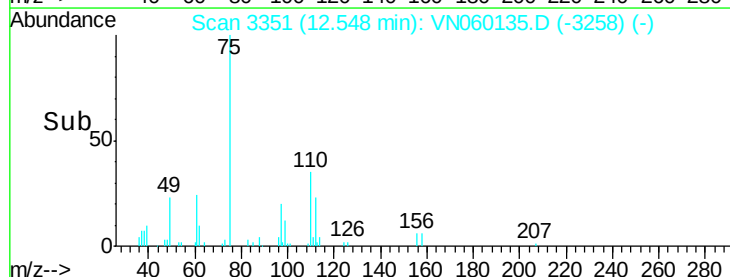
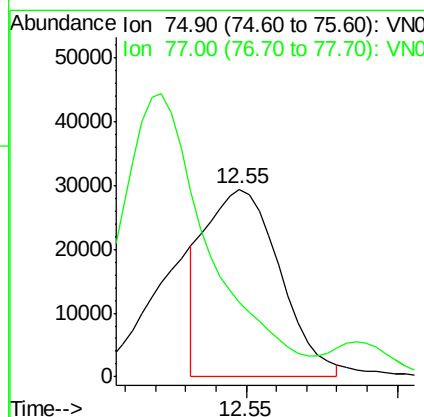
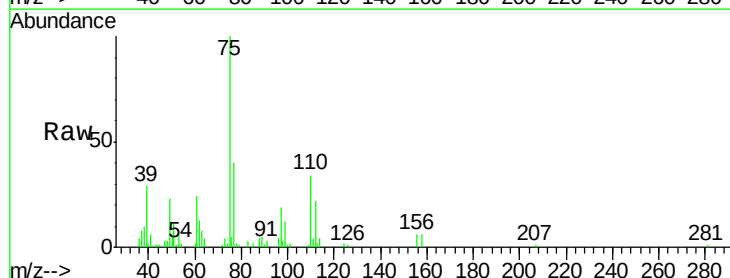
RT: 12.55 min Scan# 3351

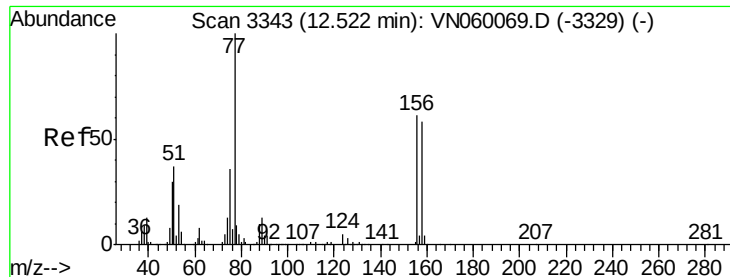
Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	75	Resp:	50057
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.918 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

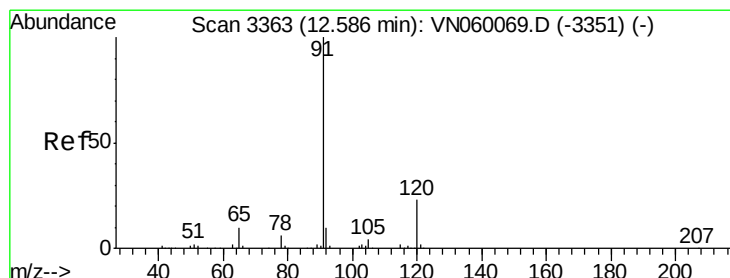
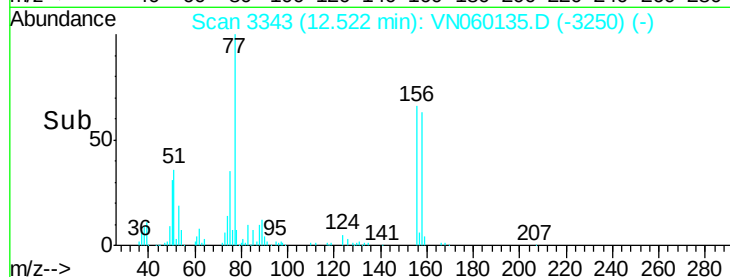
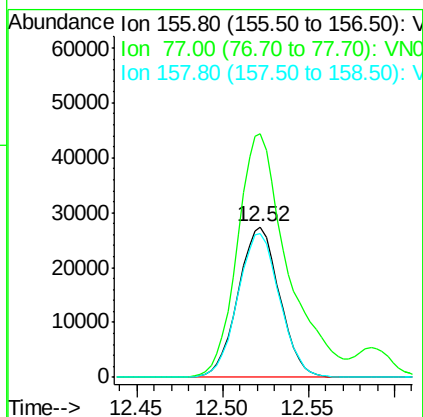
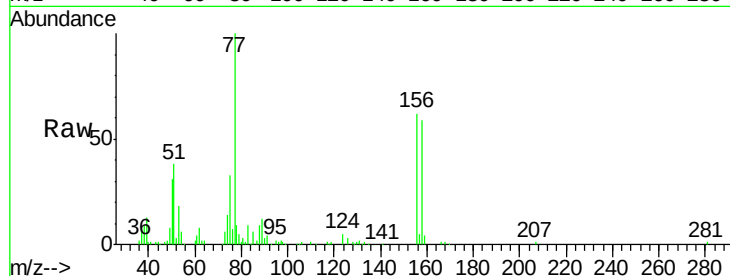
ClientSampleId :

VN0218WBS01

Tot Ion:	156	Resp:	46023
Ion Ratio	Lower	Upper	
156	100		
77	197.1	98.7	296.1
158	96.8	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.676 ug/l

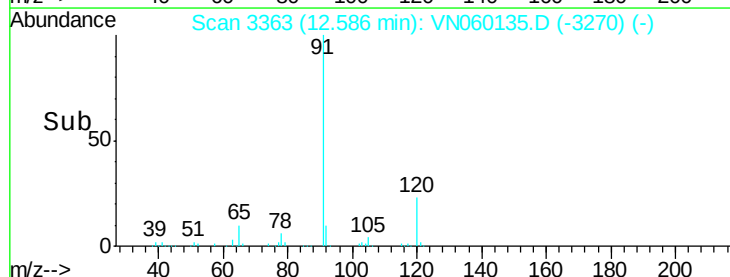
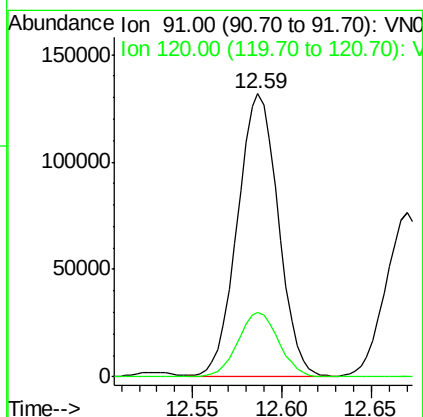
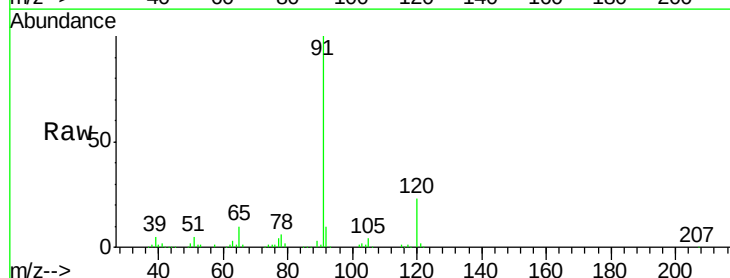
RT: 12.59 min Scan# 3363

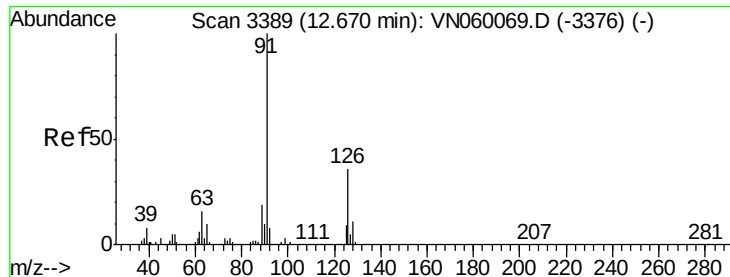
Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	91	Resp:	208585
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.728 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion: 91 Resp: 122937

Ion Ratio Lower Upper

91 100

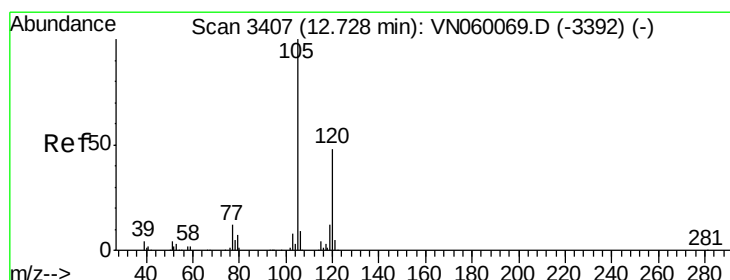
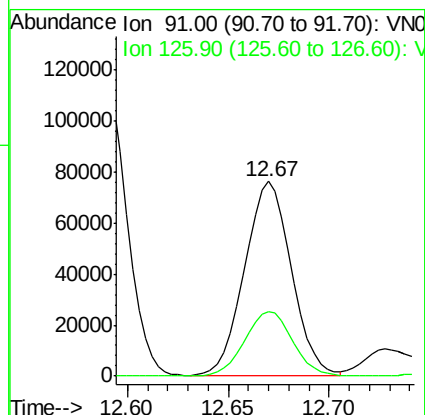
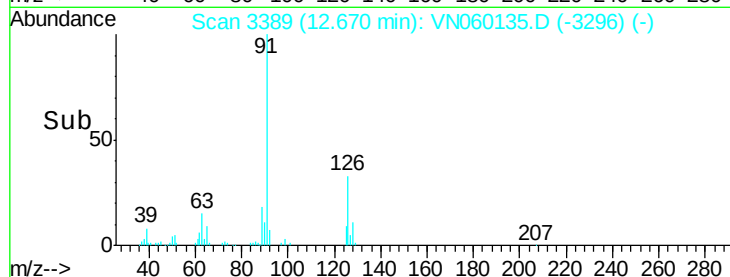
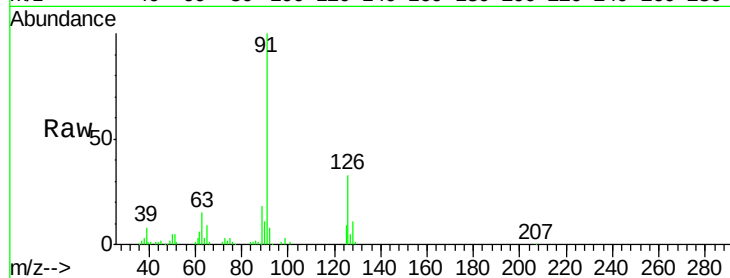
126 34.4 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.970 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060135.D

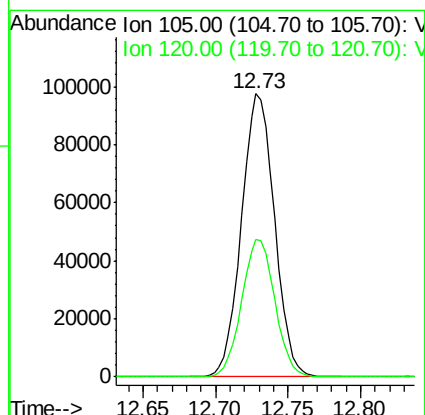
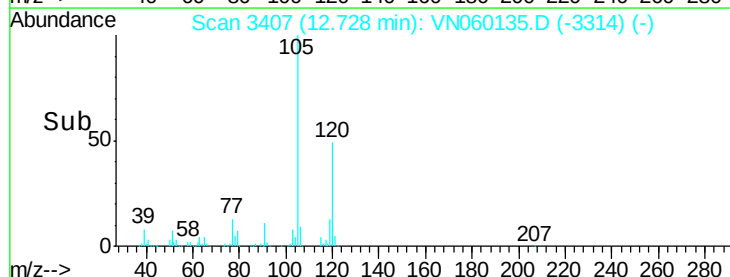
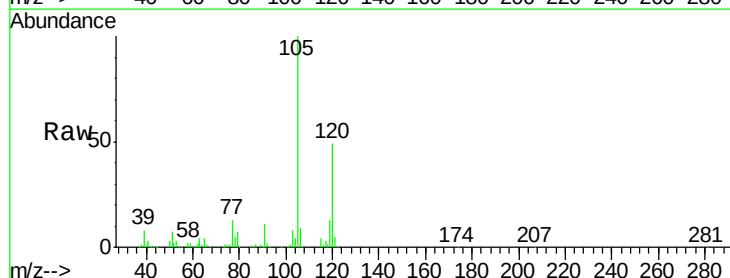
Acq: 18 Feb 2020 11:35

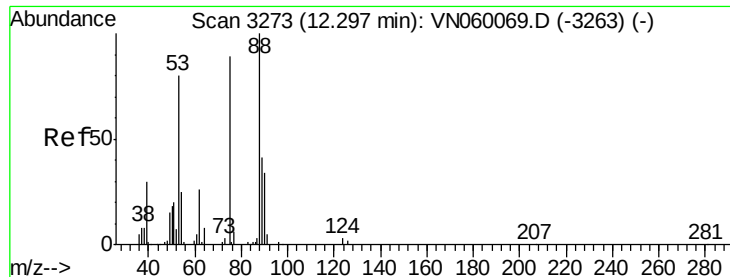
Tgt Ion: 105 Resp: 154613

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.719 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

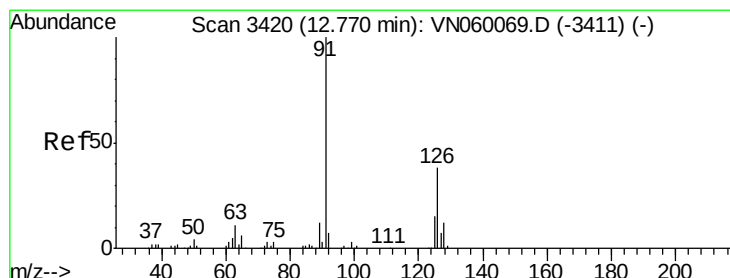
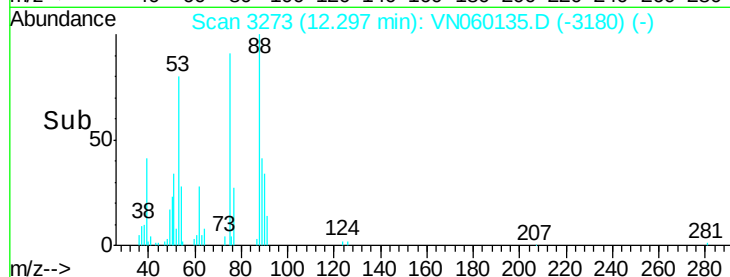
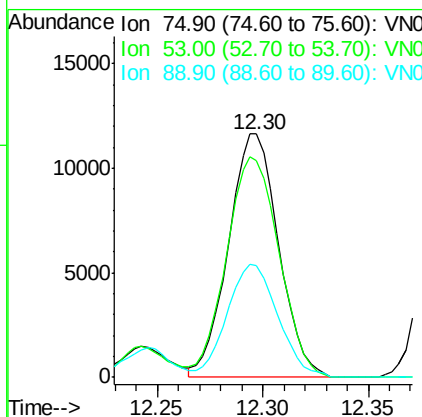
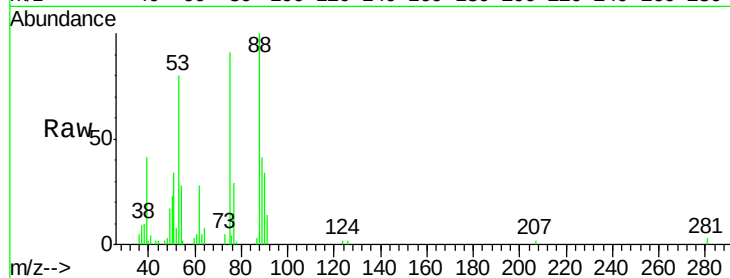
ClientSampleId :

VN0218WBS01

Tot Ion:	75	Resp:	19201
Ion	Ratio	Lower	Upper
75	100		
53	94.9	73.9	110.9
89	47.1	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.361 ug/l

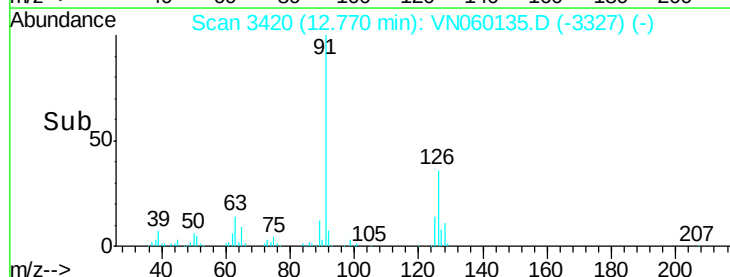
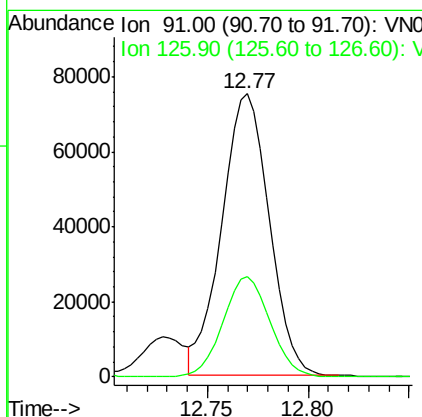
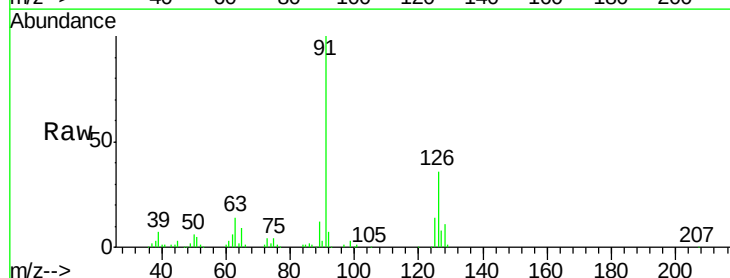
RT: 12.77 min Scan# 3420

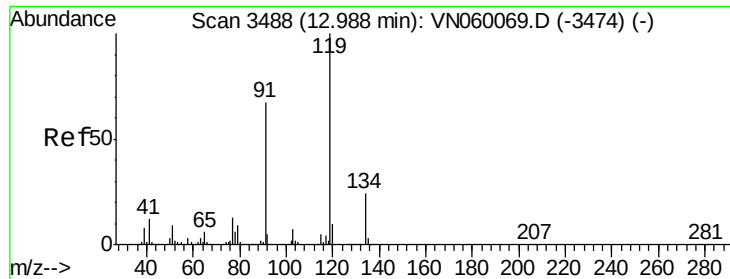
Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	91	Resp:	123663
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.331 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

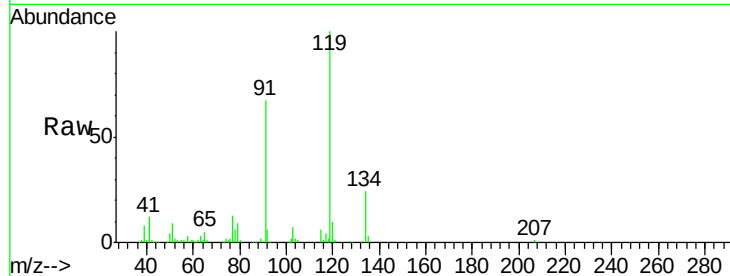
ClientSampleId :

VN0218WBS01

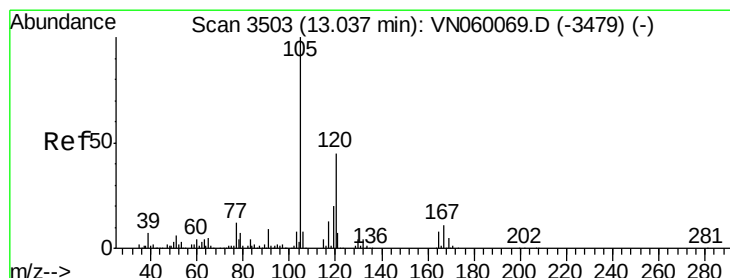
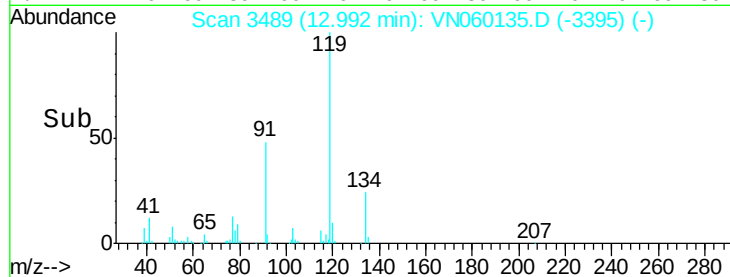
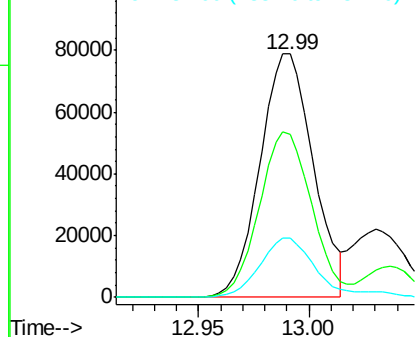
Tot Ion:	119	Resp:	132170
Ion Ratio	Lower	Upper	
119	100		
91	66.8	32.7	98.1
134	26.2	12.9	38.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.343 ug/l

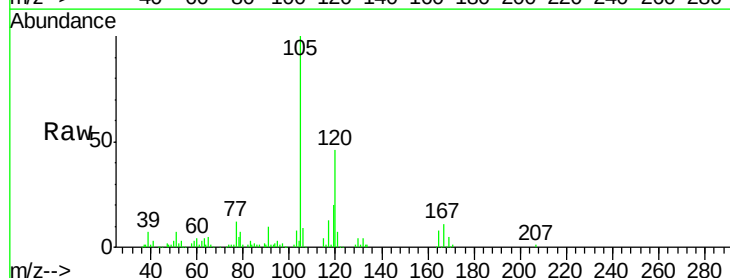
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

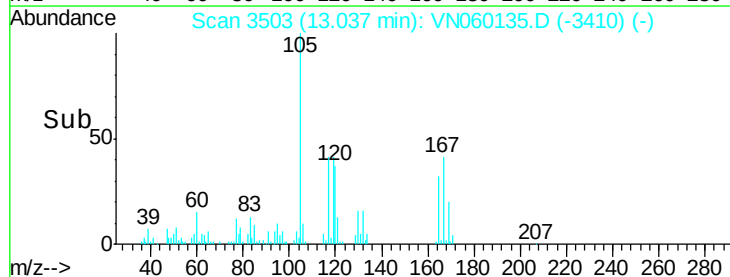
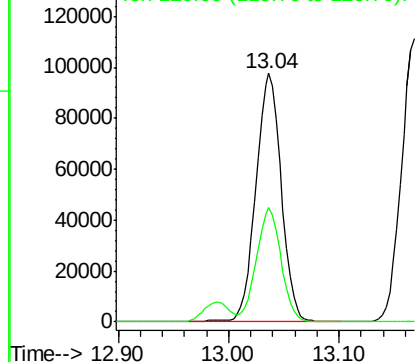
Lab File: VN060135.D

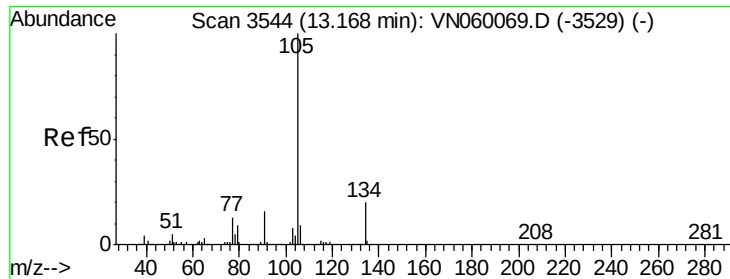
Acq: 18 Feb 2020 11:35

Tgt Ion:	105	Resp:	155621
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.734 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0218WBS01

Tot Ion:105 Resp: 178881

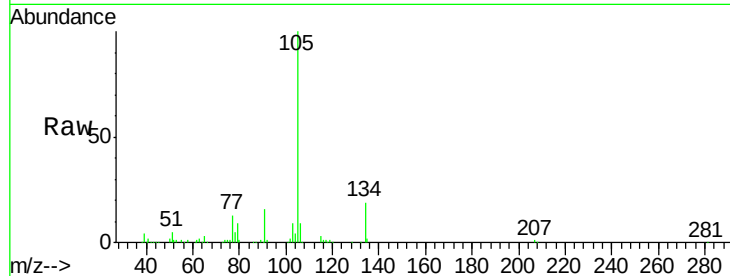
Ion Ratio Lower Upper

105 100

134 19.5 9.9 29.7

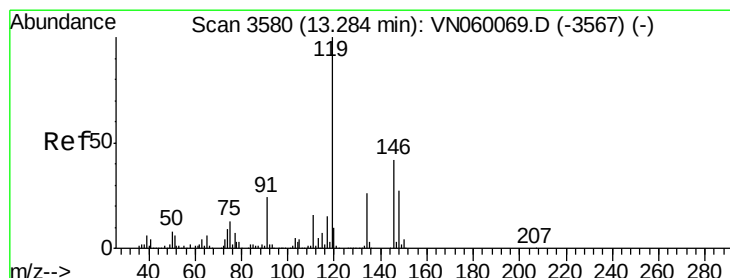
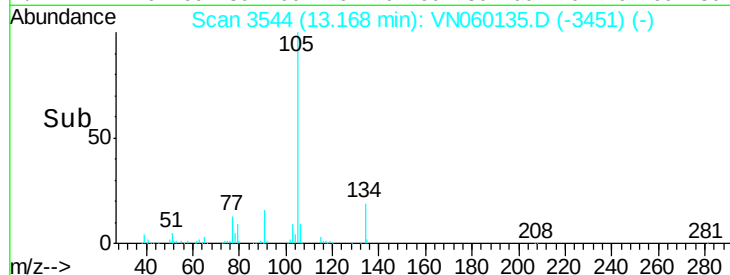
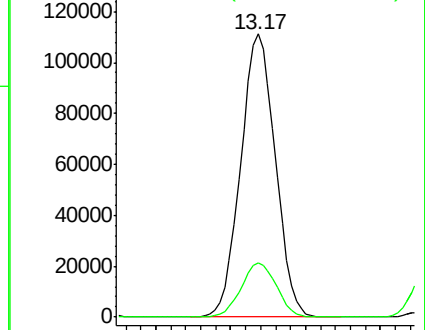
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.828 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

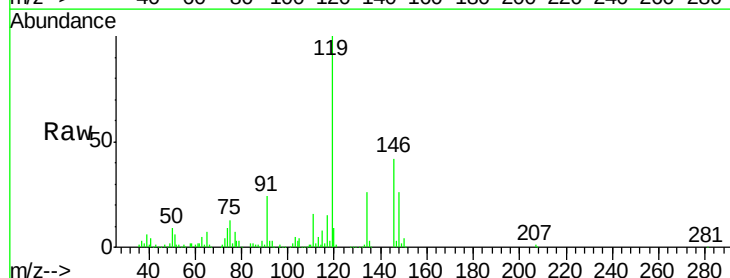
Tgt Ion:119 Resp: 162889

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

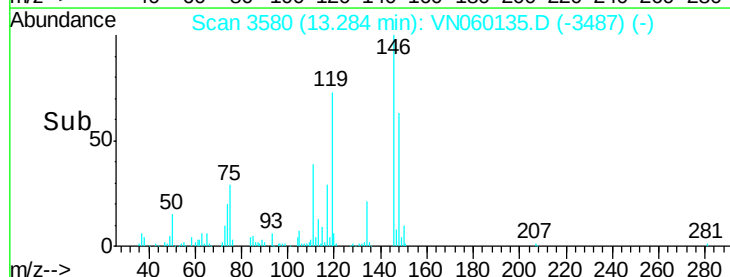
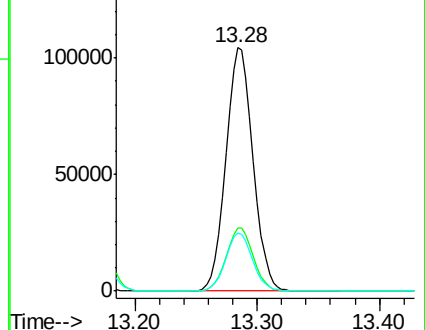
91 23.8 11.9 35.9

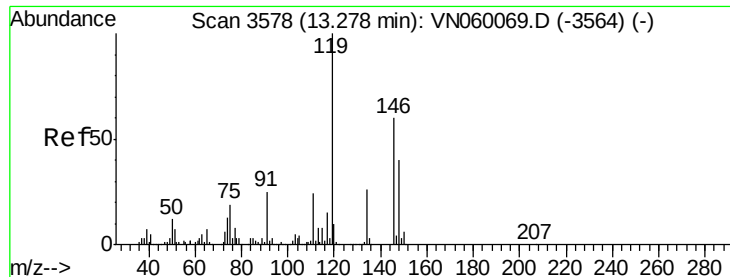


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





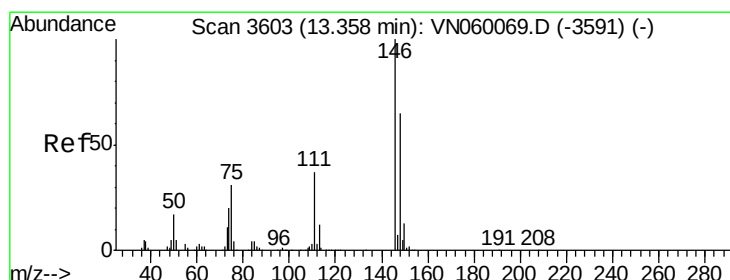
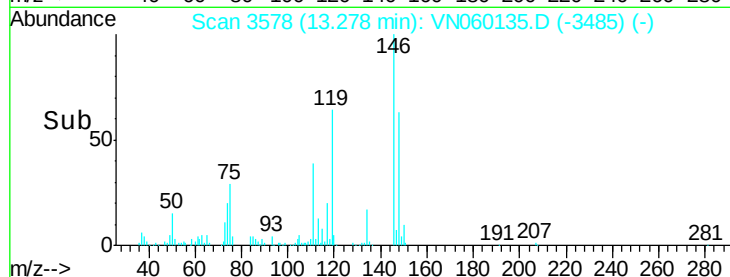
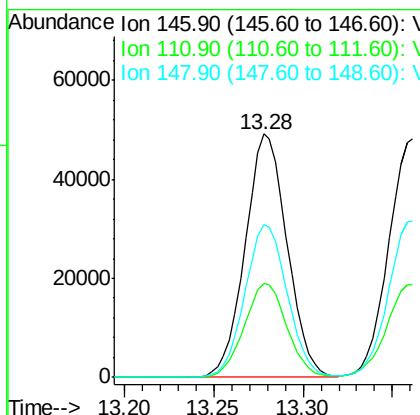
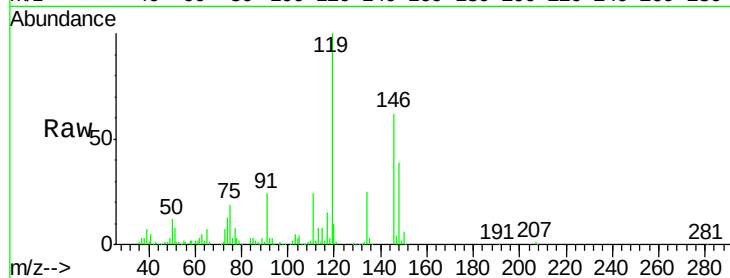
#87
 1,3-Dichlorobenzene
 Concen: 18.749 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.3	32.0	96.2

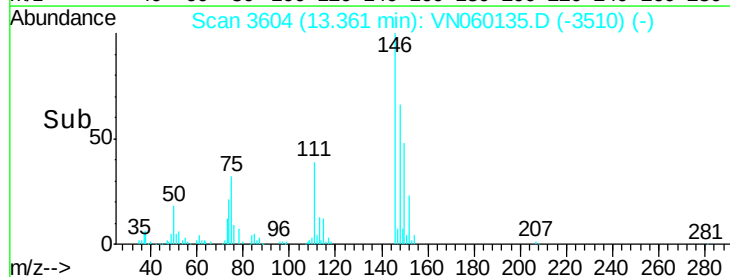
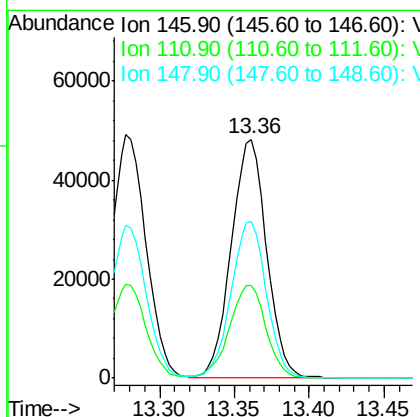
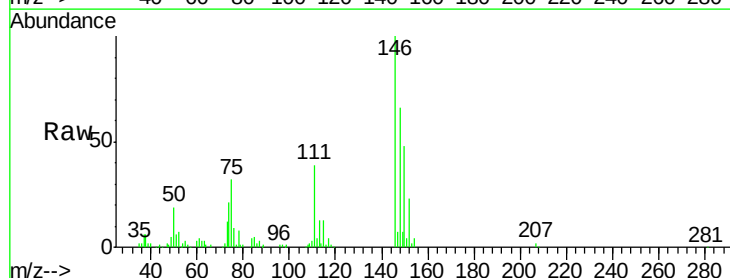
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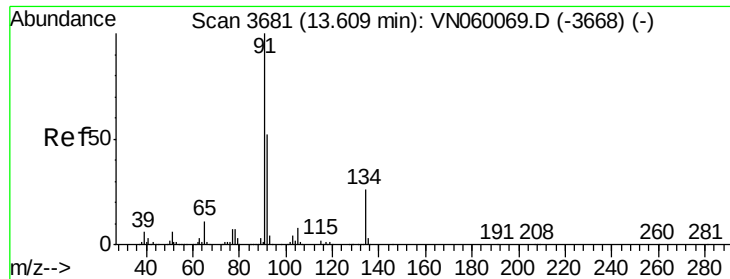
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#88
 1,4-Dichlorobenzene
 Concen: 18.429 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.9	56.5
148	65.8	32.0	96.0





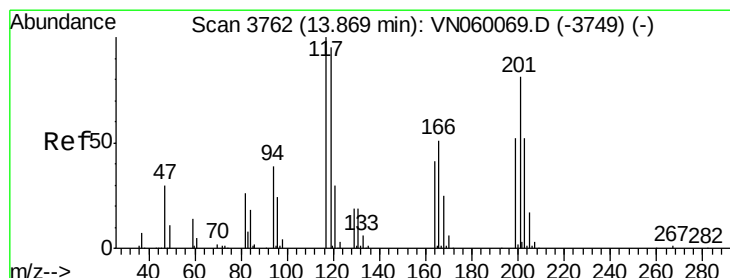
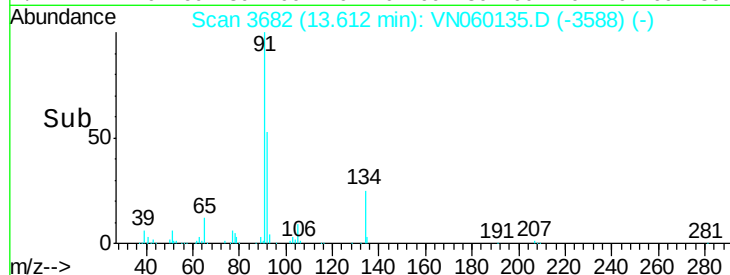
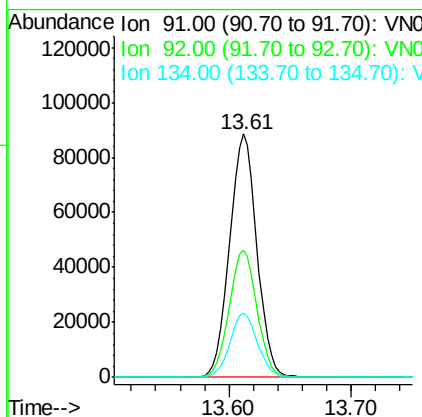
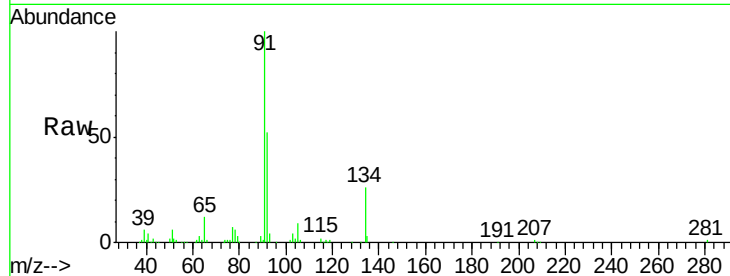
#89
n-Butylbenzene
Concen: 18.191 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0218WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.1	78.2
134	26.4	13.1	39.3

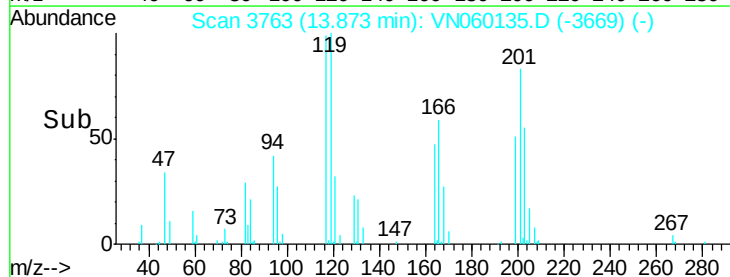
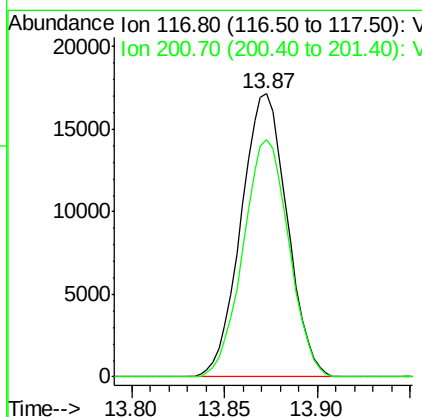
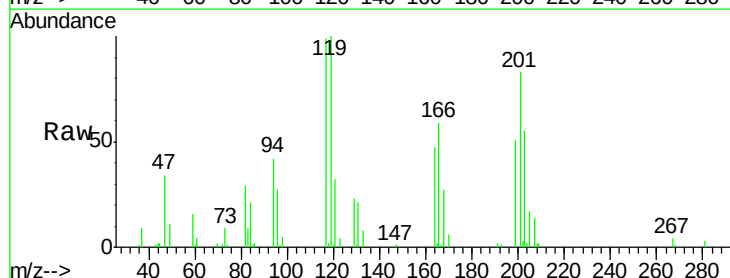
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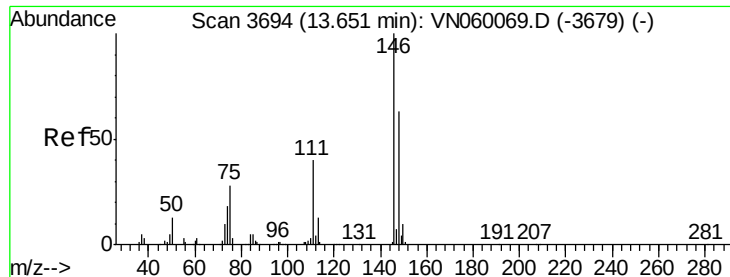
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#90
Hexachloroethane
Concen: 18.338 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060135.D
Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	41.7	125.1





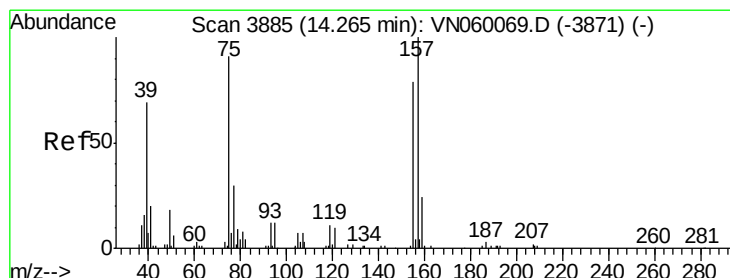
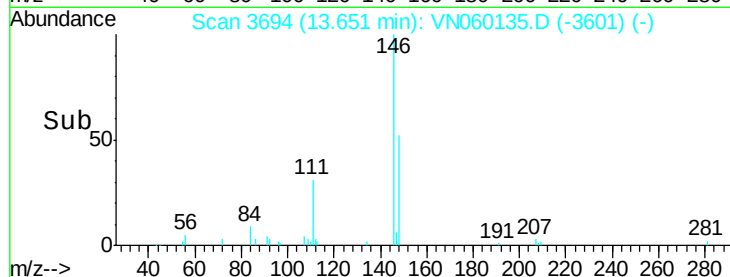
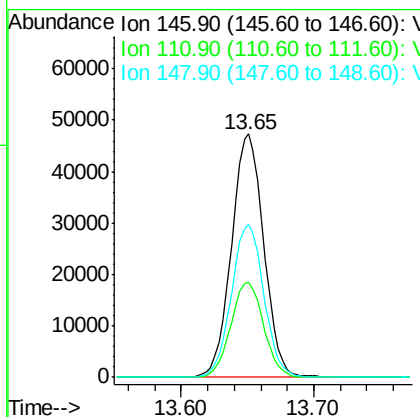
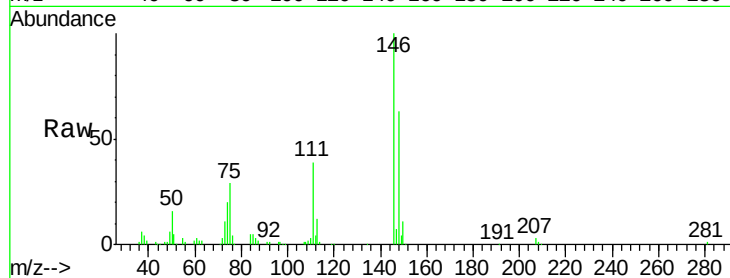
#91
 1,2-Dichlorobenzene
 Concen: 18.931 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.1	60.2
148	63.3	31.9	95.5

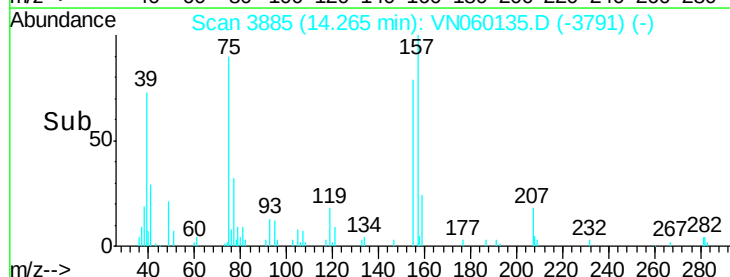
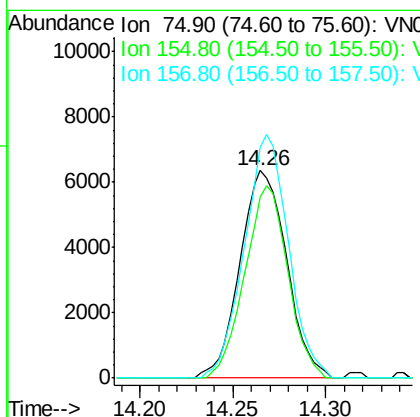
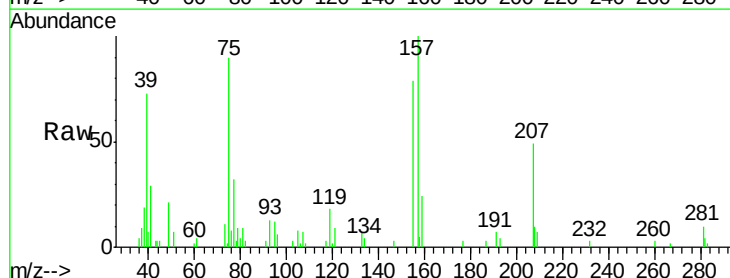
Manual Integrations
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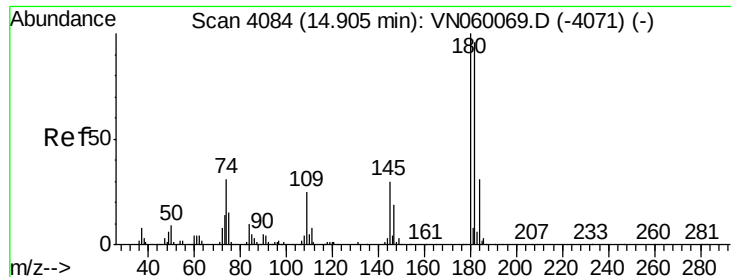
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.034 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	43.0	129.0
157	110.5	54.9	164.5





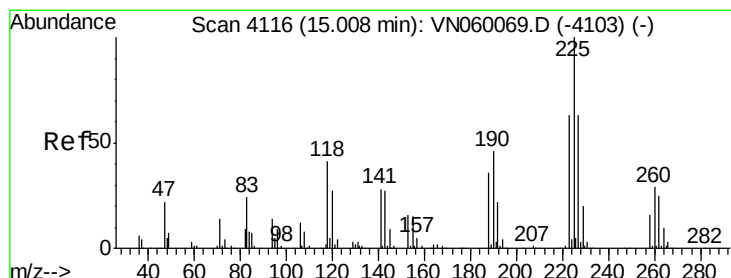
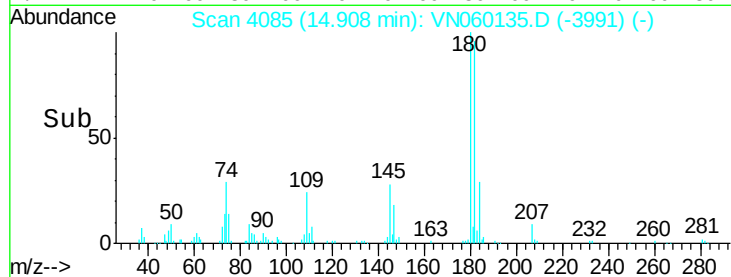
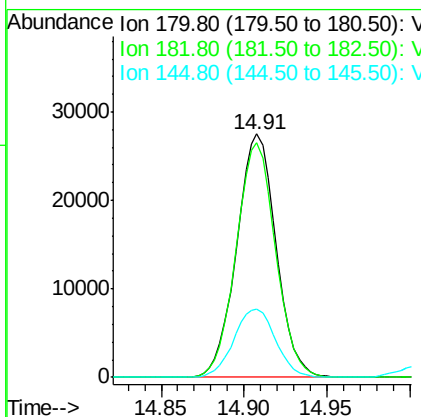
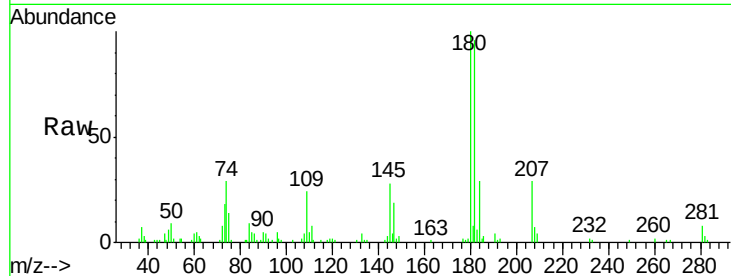
#93
 1,2,4-Trichlorobenzene
 Concen: 18.348 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.9	143.8
145	29.6	15.2	45.5

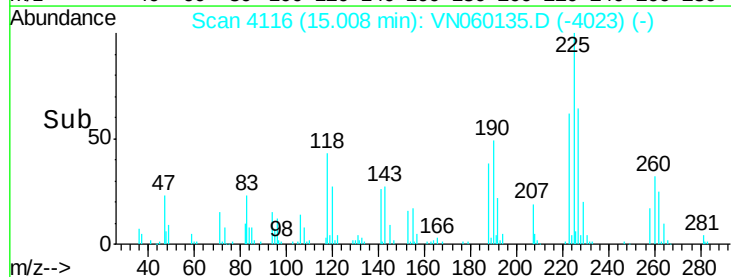
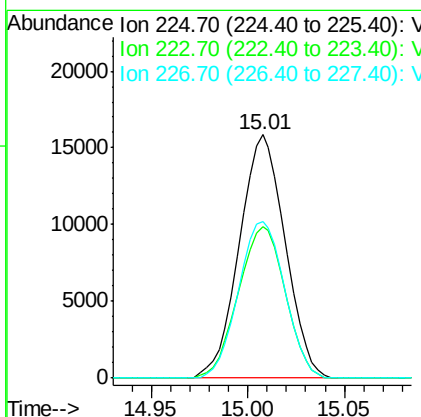
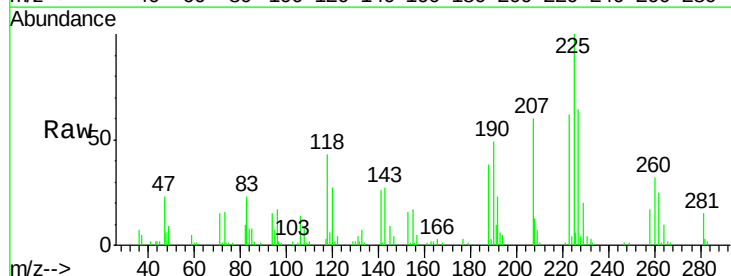
Manual Integrations
 APPROVED

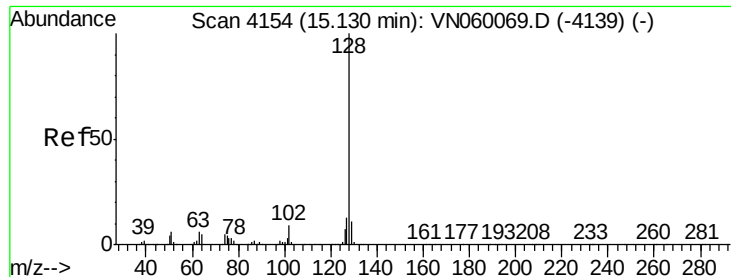
MMDadoda
 2/19/2020 5:05:59 PM



#94
 Hexachlorobutadiene
 Concen: 17.973 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060135.D
 Acq: 18 Feb 2020 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.5	94.5
227	64.9	31.8	95.4





#95

Naphthalene

Concen: 17.708 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Instrument :

MSVOA_N

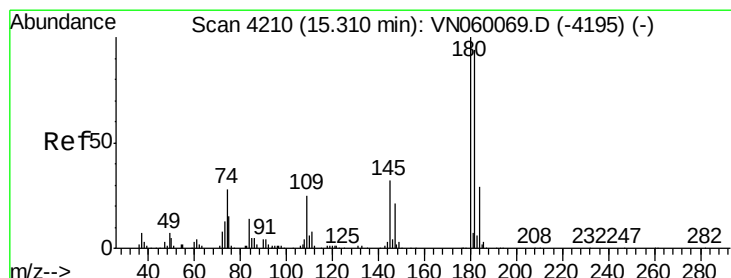
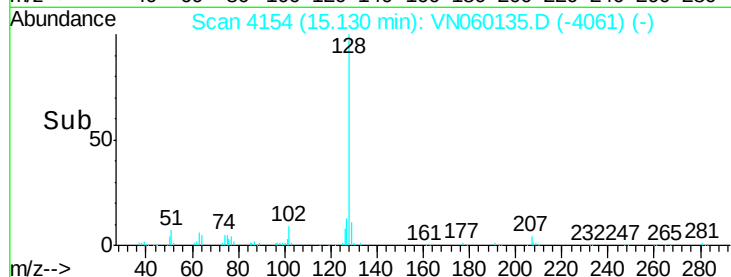
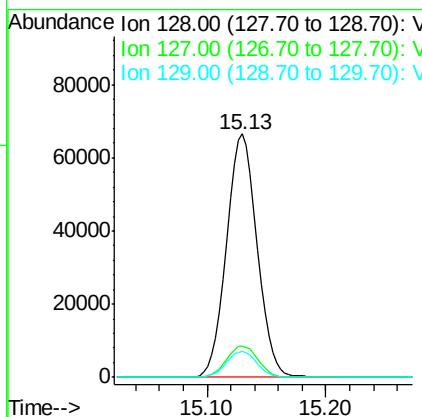
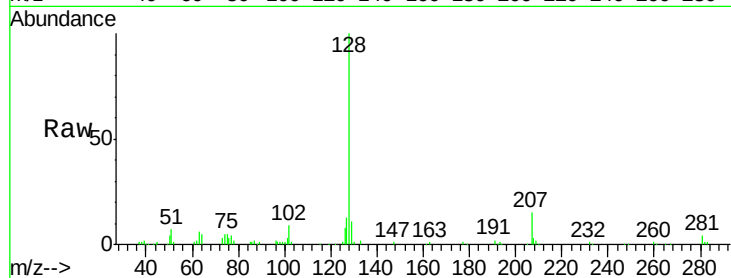
ClientSampleId :

VN0218WBS01

Tot Ion:	128	Resp:	118443
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/19/2020 5:05:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.253 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060135.D

Acq: 18 Feb 2020 11:35

Tgt Ion:	180	Resp:	45009
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.5
145	32.1	16.1	48.3

