

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060147.D
 Acq On : 19 Feb 2020 11:53
 Operator : JC/MD
 Sample : VN0219MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:15:27 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	183826	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	295342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110854	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	7.56	113	86065	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
50) Toluene-d8	10.08	98	332976	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.40	95	120655	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34670	18.869	ug/l	100
3) Chloromethane	2.04	50	41311	18.892	ug/l	98
4) Vinyl Chloride	2.17	62	46259	18.560	ug/l	100
5) Bromomethane	2.55	94	28454	18.618	ug/l	99
6) Chloroethane	2.69	64	23351	18.523	ug/l	97
7) Trichlorofluoromethane	3.00	101	59412	18.489	ug/l	99
8) Diethyl Ether	3.39	74	21621	20.213	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34104	19.116	ug/l	100
10) Methyl Iodide	3.93	142	44233	20.019	ug/l	100
11) Tert butyl alcohol	4.73	59	33099	98.882	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32739	18.837	ug/l	97
13) Acrolein	3.58	56	22200	67.097	ug/l	95
14) Allyl chloride	4.29	41	48496	18.958	ug/l	95
15) Acrylonitrile	4.94	53	82629	101.080	ug/l	99
16) Acetone	3.78	43	84746	86.856	ug/l	100
17) Carbon Disulfide	4.03	76	92449	17.648	ug/l	99
18) Methyl Acetate	4.29	43	38179	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	115426	19.749	ug/l	97
20) Methylene Chloride	4.52	84	37542	19.286	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	35661	18.823	ug/l	99
22) Diisopropyl ether	5.91	45	110673	19.741	ug/l	98
23) Vinyl Acetate	5.86	43	461667	98.061	ug/l	100
24) 1,1-Dichloroethane	5.81	63	65294	19.226	ug/l	99
25) 2-Butanone	6.80	43	113546	92.531	ug/l	95
26) 2,2-Dichloropropane	6.79	77	59597	18.475	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42281	19.069	ug/l	98
28) Bromochloromethane	7.16	49	25499	19.098	ug/l #	9
29) Tetrahydrofuran	7.18	42	73350	97.435	ug/l	99
30) Chloroform	7.35	83	68395	19.225	ug/l	99
31) Cyclohexane	7.63	56	58968	18.639	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	60772	18.693	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49470	18.084	ug/l	99
37) Ethyl Acetate	6.90	43	45840	18.541	ug/l	99
38) Carbon Tetrachloride	7.75	117	53246	17.922	ug/l	98

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 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	9.06	83	60789	17.901	ug/l	98
40) Benzene	8.02	78	150162	18.505	ug/l	98
41) Methacrylonitrile	7.18	41	68643	66.205	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	54814	19.273	ug/l	98
43) Isopropyl Acetate	8.14	43	81621	19.313	ug/l #	91
44) Trichloroethene	8.82	130	41043	18.266	ug/l	97
45) 1,2-Dichloropropane	9.10	63	38603	19.215	ug/l	99
46) Dibromomethane	9.19	93	27207	19.164	ug/l	98
47) Bromodichloromethane	9.38	83	54316	18.818	ug/l	97
48) Methyl methacrylate	9.18	41	35079	18.500	ug/l	99
49) 1,4-Dioxane	9.17	88	13393	413.389	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	233074	95.279	ug/l	100
52) Toluene	10.14	92	96078	18.463	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	61410	18.849	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	63966	18.645	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	38952	19.187	ug/l	99
56) Ethyl methacrylate	10.42	69	53537	18.642	ug/l	99
57) 1,3-Dichloropropane	10.70	76	62382	18.623	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	128890	96.338	ug/l	99
59) 2-Hexanone	10.74	43	173458	91.794	ug/l	99
60) Dibromochloromethane	10.89	129	43487	18.667	ug/l	100
61) 1,2-Dibromoethane	10.99	107	39492	18.557	ug/l	97
64) Tetrachloroethene	10.62	164	38736	18.606	ug/l	99
65) Chlorobenzene	11.43	112	103158	18.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40268	19.078	ug/l	99
67) Ethyl Benzene	11.50	91	185843	18.468	ug/l	99
68) m/p-Xylenes	11.62	106	139624	36.968	ug/l	98
69) o-Xylene	11.94	106	67560	18.578	ug/l	99
70) Styrene	11.96	104	105896	18.058	ug/l	100
71) Bromoform	12.12	173	30472	17.949	ug/l #	99
73) Isopropylbenzene	12.24	105	181737	18.751	ug/l	99
74) N-amyl acetate	12.07	43	67994	19.455	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55465	19.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	73094	29.435	ug/l #	100
77) Bromobenzene	12.52	156	45234	18.806	ug/l	98
78) n-propylbenzene	12.59	91	205714	18.629	ug/l	99
79) 2-Chlorotoluene	12.67	91	120619	18.584	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	151637	18.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18776	18.513	ug/l	97
82) 4-Chlorotoluene	12.77	91	123926	18.610	ug/l	99
83) tert-Butylbenzene	12.99	119	129689	18.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	151438	19.037	ug/l	100
85) sec-Butylbenzene	13.17	105	173694	18.397	ug/l	100
86) p-Isopropyltoluene	13.28	119	157774	18.444	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	80365	18.875	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78442	18.427	ug/l	98
89) n-Butylbenzene	13.61	91	137986	18.340	ug/l	99
90) Hexachloroethane	13.87	117	28882	18.073	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	78280	18.787	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11584	19.051	ug/l	93

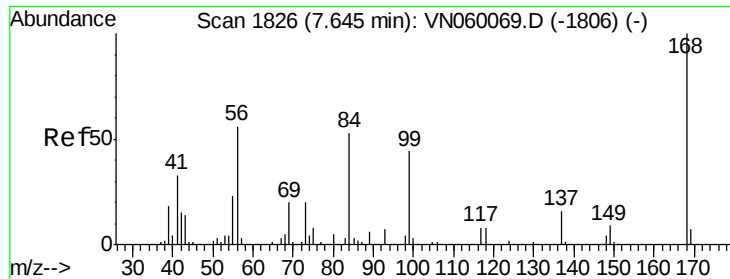
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	45902	18.749	ug/l	99
94) Hexachlorobutadiene	15.01	225	26364	18.394	ug/l	99
95) Naphthalene	15.13	128	123196	18.628	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45106	18.500	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

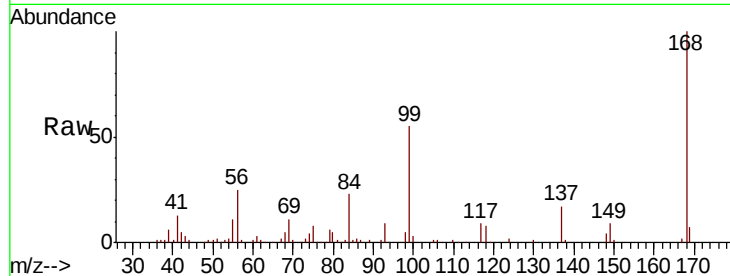
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 183826

Ion Ratio Lower Upper

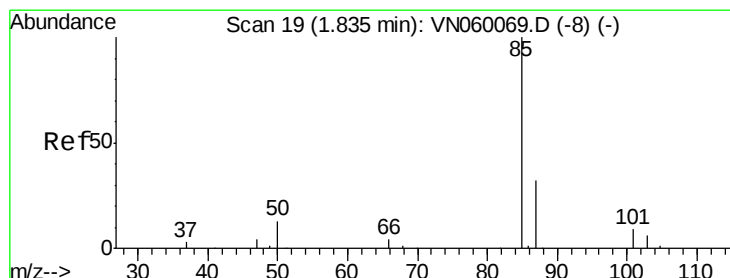
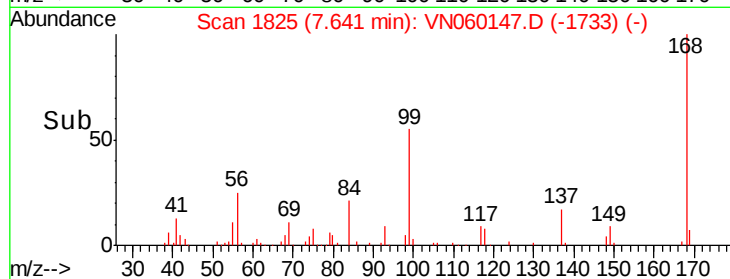
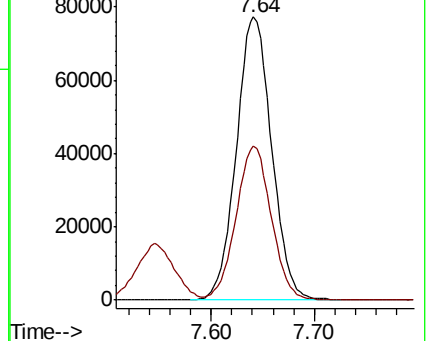
168 100

99 54.5 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.869 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060147.D

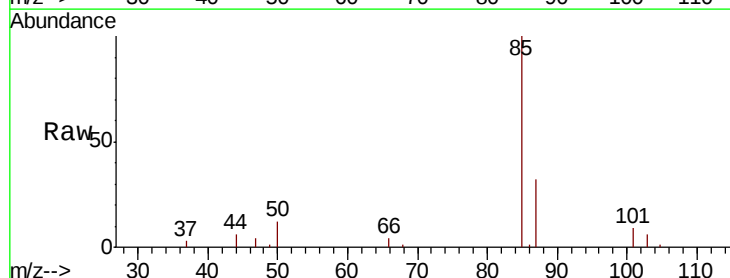
Acq: 19 Feb 2020 11:53

Tgt Ion: 85 Resp: 34670

Ion Ratio Lower Upper

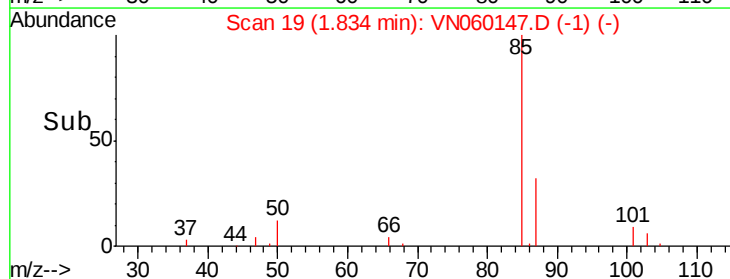
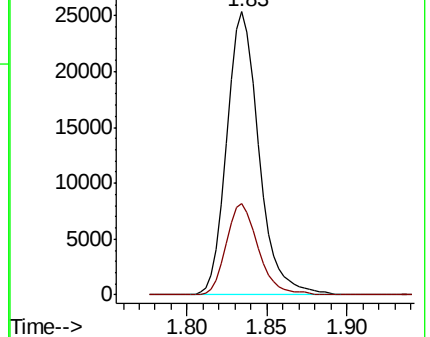
85 100

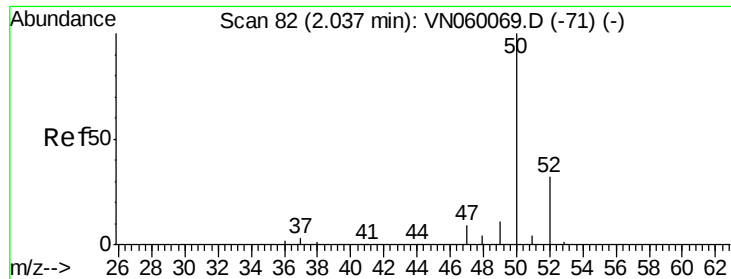
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.892 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

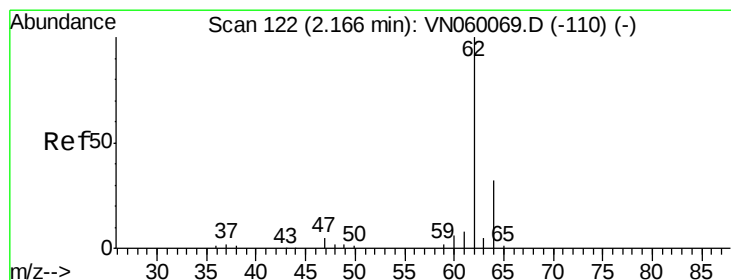
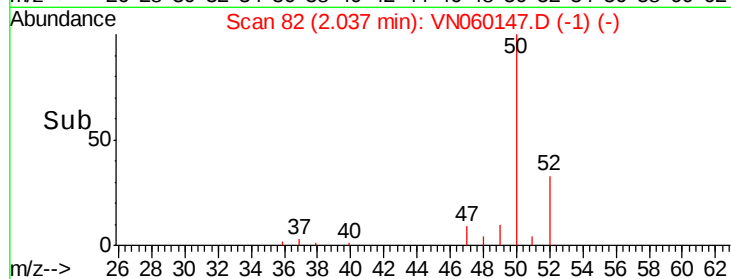
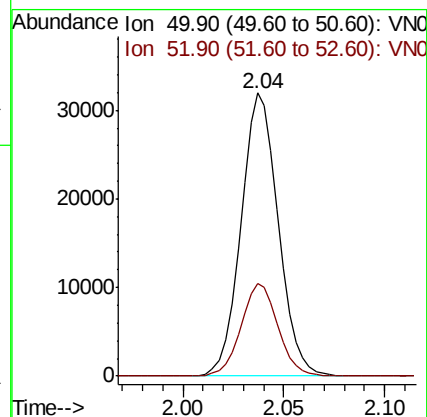
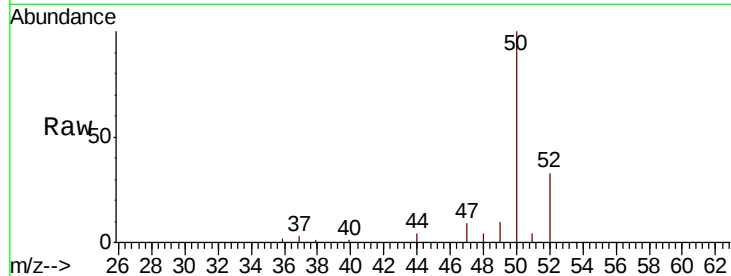
ClientSampleId :

Tot Ion: 50 Resp: 41311

Ion Ratio Lower Upper

50 100

52 32.9 25.6 38.4



#4

Vinyl Chloride

Concen: 18.560 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060147.D

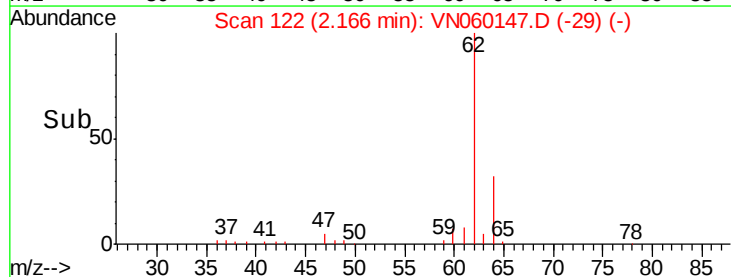
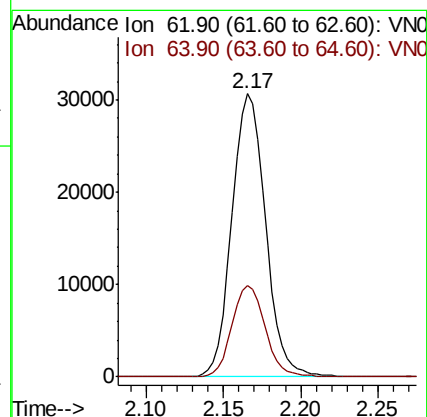
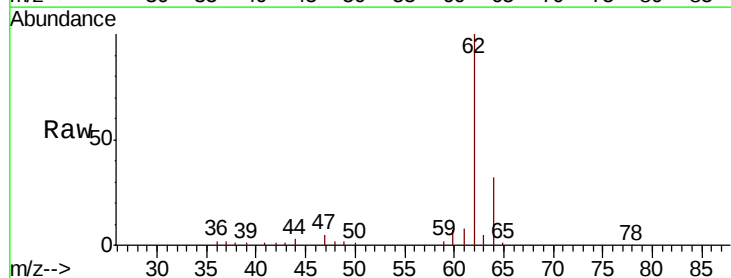
Acq: 19 Feb 2020 11:53

Tgt Ion: 62 Resp: 46259

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9

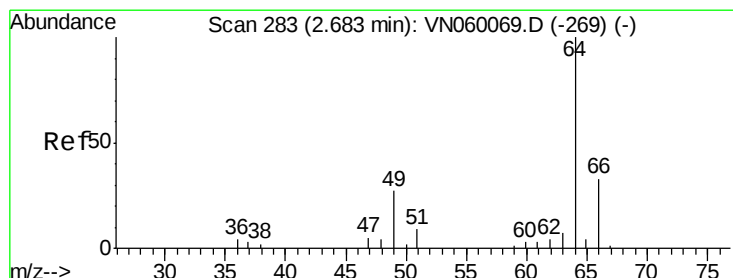
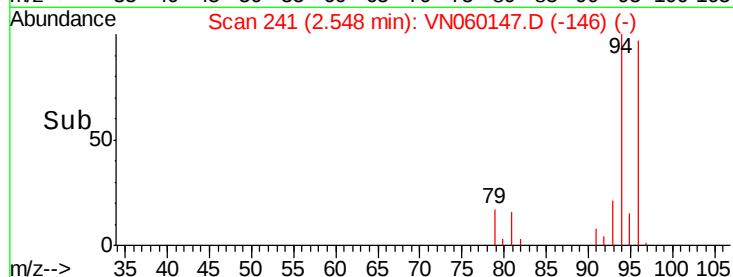
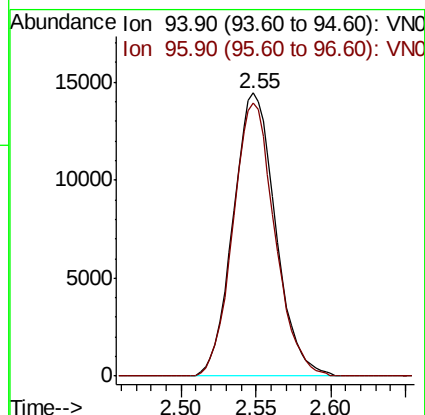
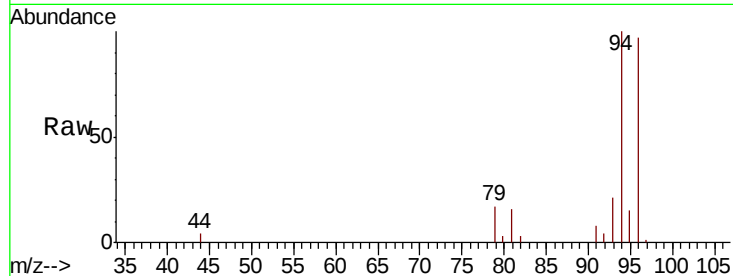




#5
Bromomethane
Concen: 18.618 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

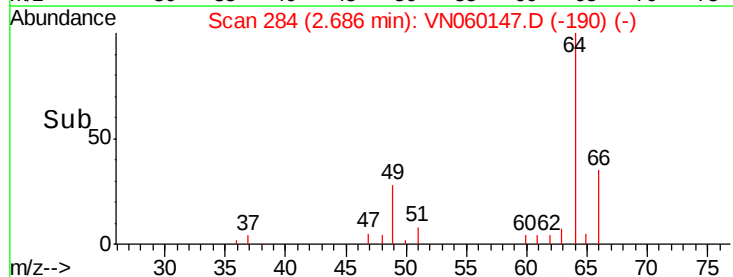
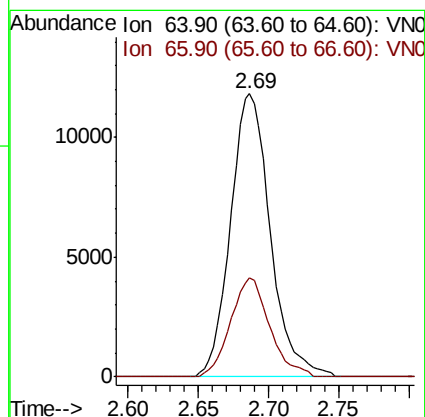
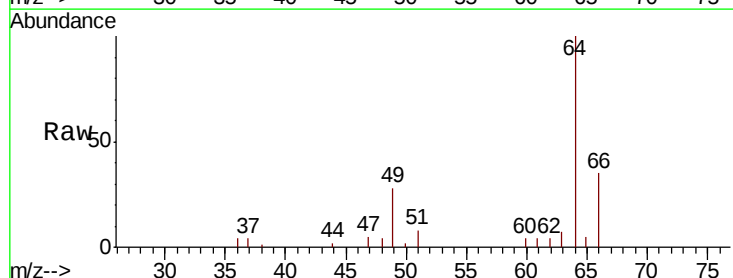
Instrument :
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ClientSampleId :

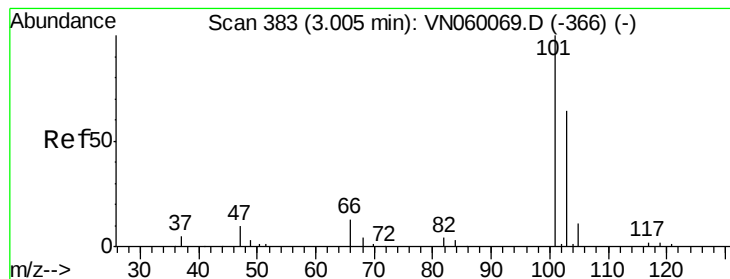
Tot Ion: 94 Resp: 28454
Ion Ratio Lower Upper
94 100
96 96.6 76.7 115.1



#6
Chloroethane
Concen: 18.523 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 64 Resp: 23351
Ion Ratio Lower Upper
64 100
66 34.9 26.6 40.0



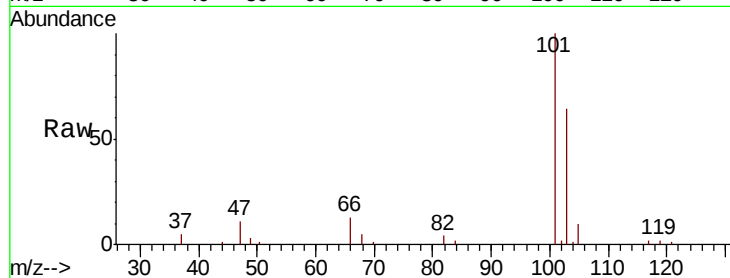


#7

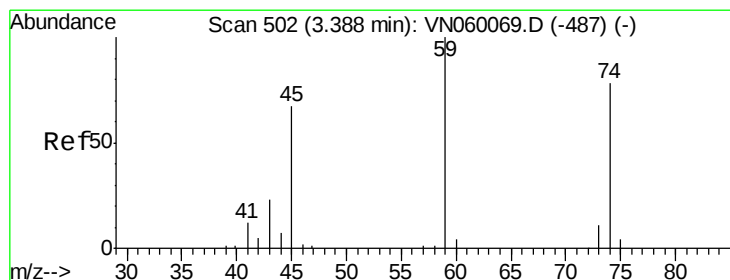
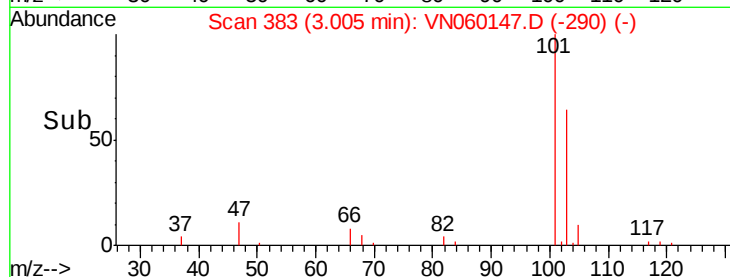
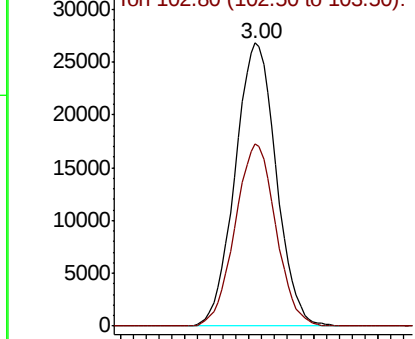
Trichlorofluoromethane
Concen: 18.489 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 59412
Ion Ratio Lower Upper
101 100
103 64.2 51.0 76.6



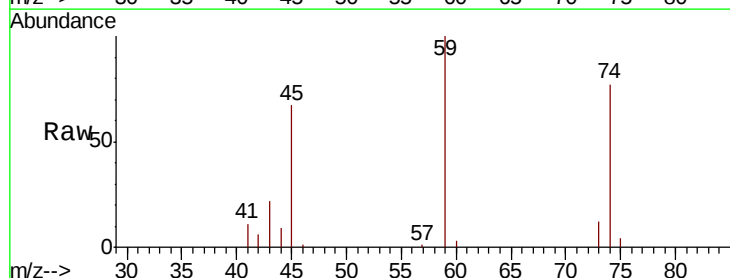
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



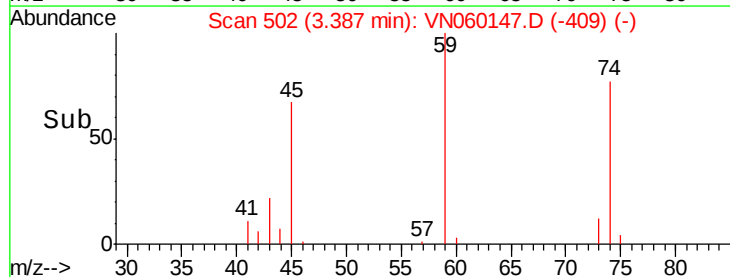
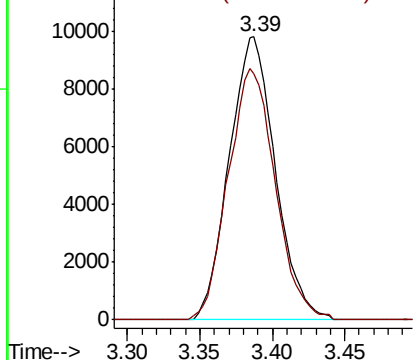
#8

Diethyl Ether
Concen: 20.213 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 74 Resp: 21621
Ion Ratio Lower Upper
74 100
45 90.6 44.7 134.1



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO

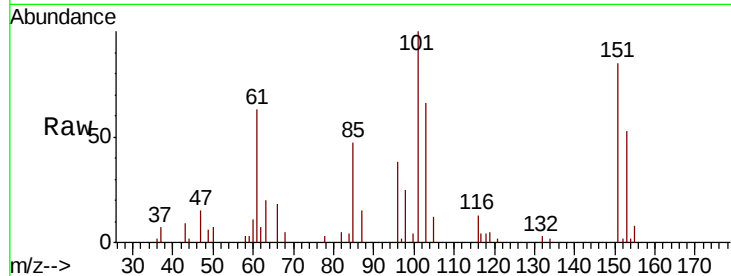




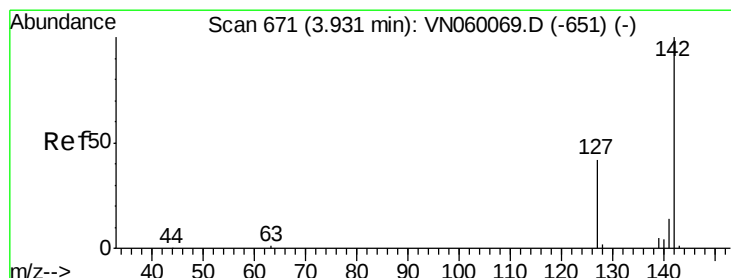
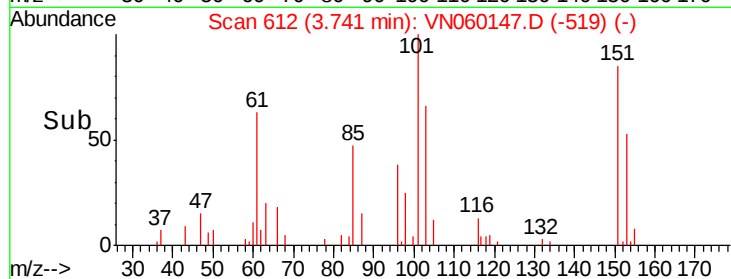
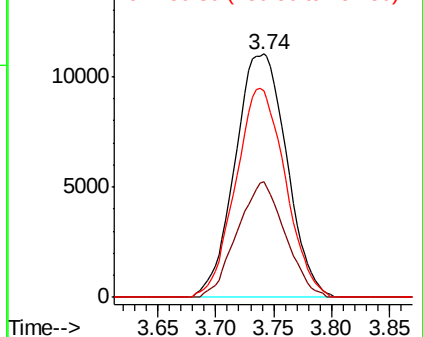
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.116 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 34104
 Ion Ratio Lower Upper
 101 100
 85 44.1 35.1 52.7
 151 82.7 65.8 98.6

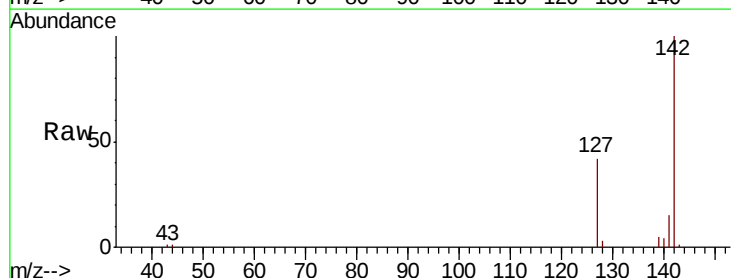


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

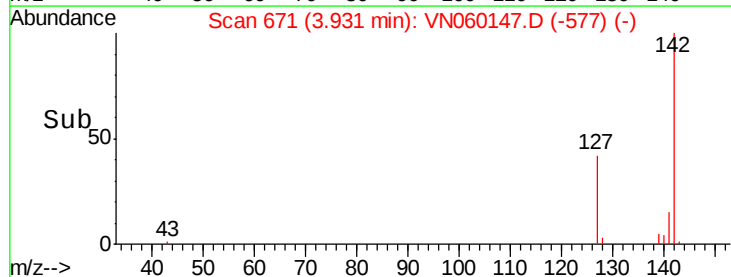
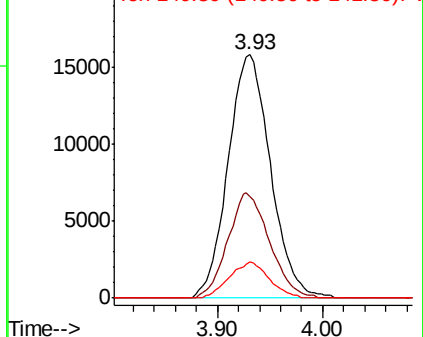


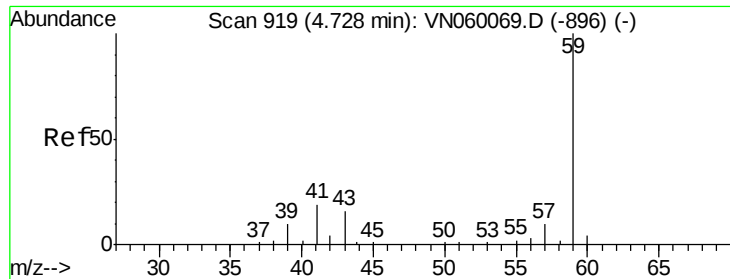
#10
 Methyl Iodide
 Concen: 20.019 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion:142 Resp: 44233
 Ion Ratio Lower Upper
 142 100
 127 42.2 33.6 50.4
 141 13.9 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V

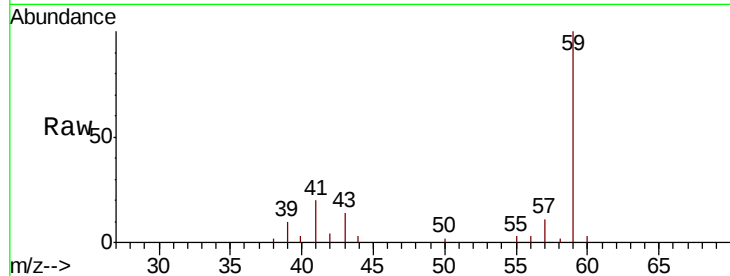




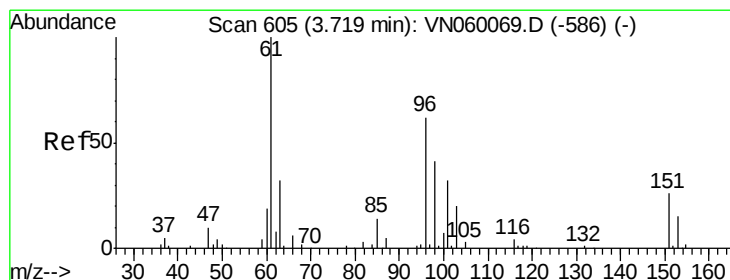
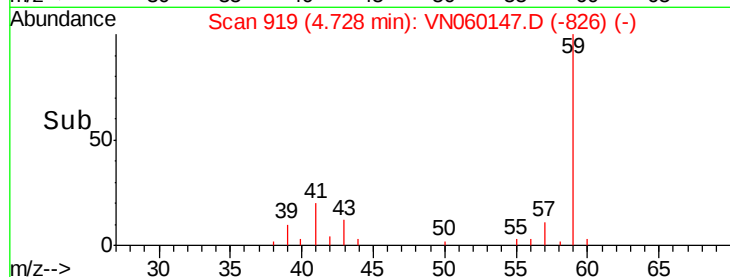
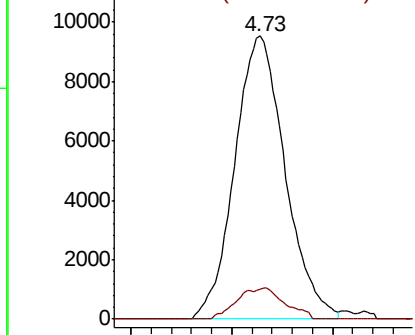
#11
Tert butyl alcohol
Concen: 98.882 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 33099
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

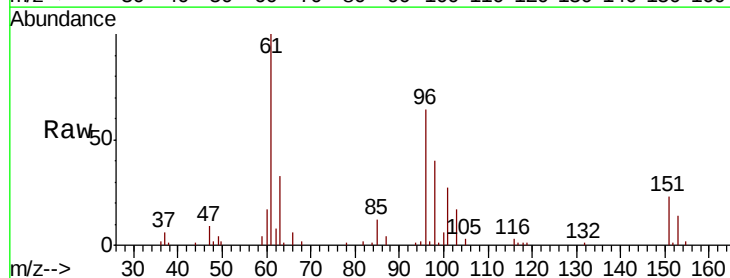


Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

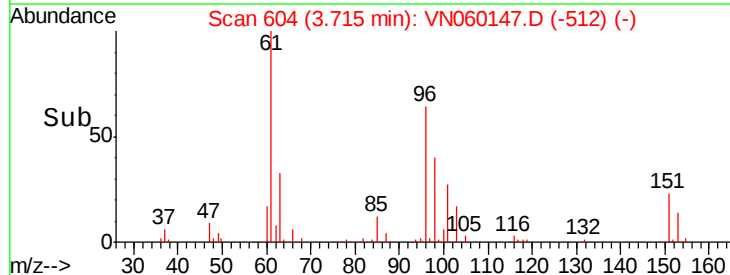
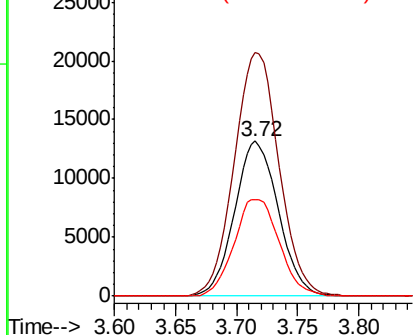


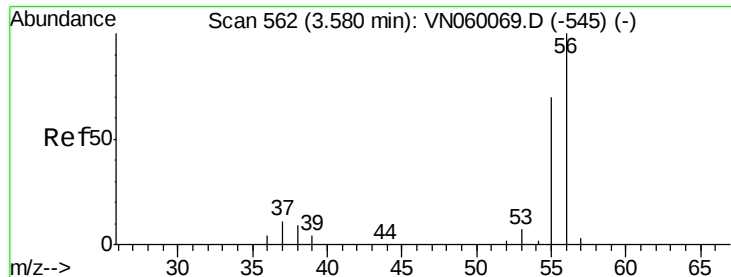
#12
1,1-Dichloroethene
Concen: 18.837 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 96 Resp: 32739
Ion Ratio Lower Upper
96 100
61 157.2 128.3 192.5
98 62.6 52.2 78.4



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

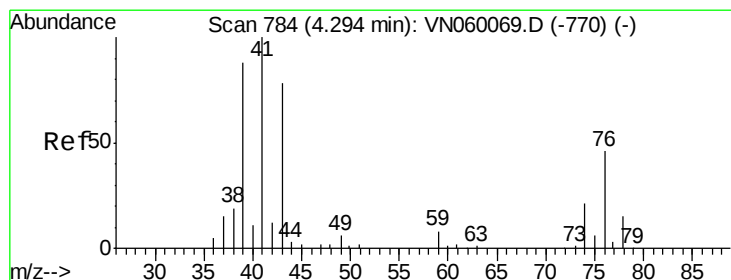
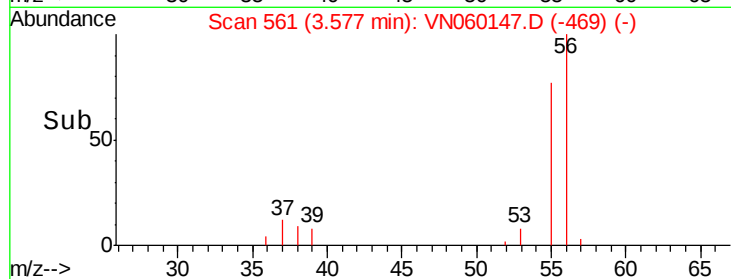
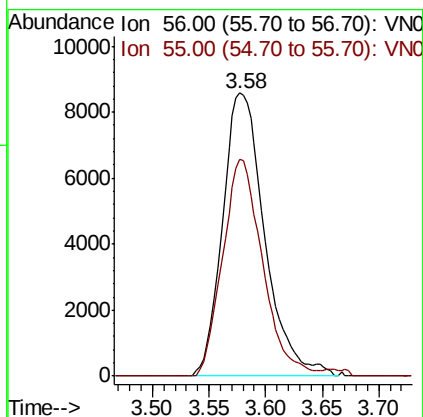
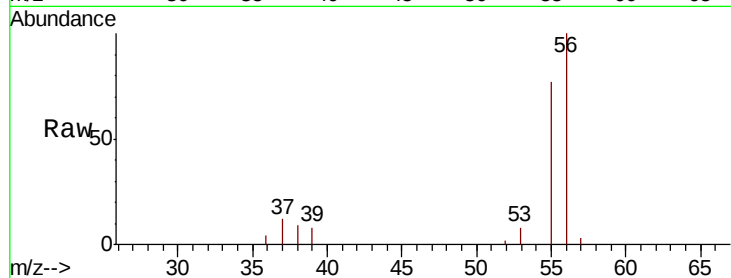




#13
Acrolein
Concen: 67.097 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

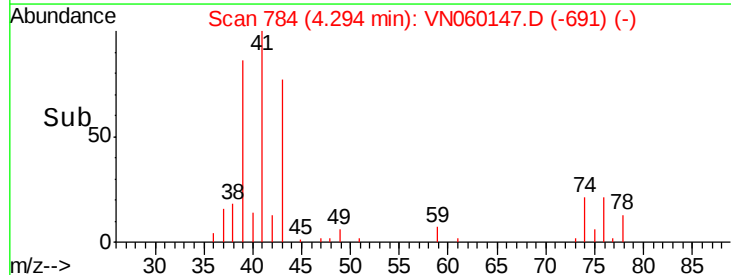
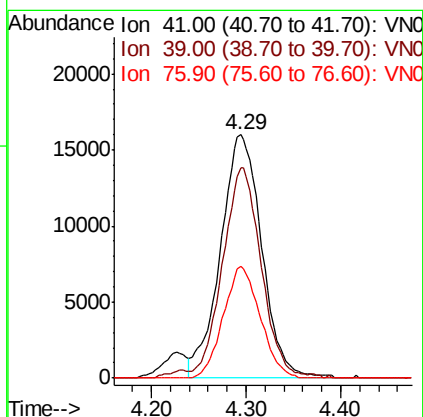
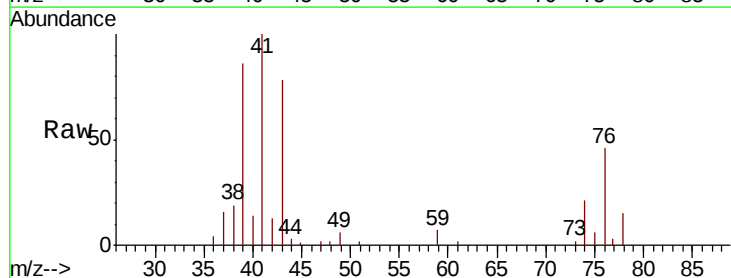
Instrument :
MSVOA_N
ClientSampleId :

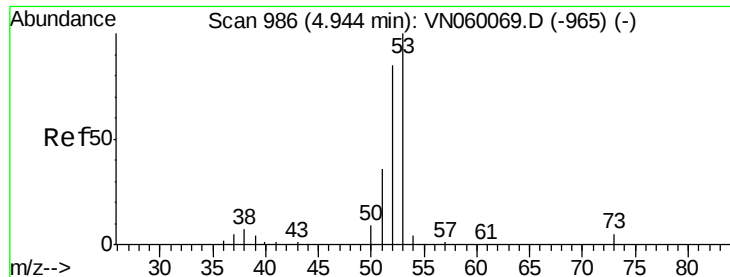
Tot Ion: 56 Resp: 22200
Ion Ratio Lower Upper
56 100
55 72.5 54.8 82.2



#14
Allyl chloride
Concen: 18.958 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 41 Resp: 48496
Ion Ratio Lower Upper
41 100
39 78.5 67.8 101.8
76 40.9 33.9 50.9





#15

Acrylonitrile

Concen: 101.080 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

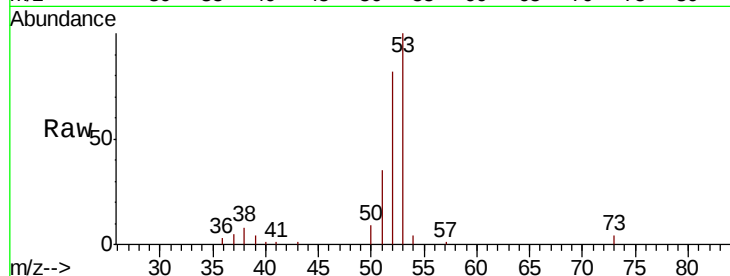
Tot Ion: 53 Resp: 82629

Ion Ratio Lower Upper

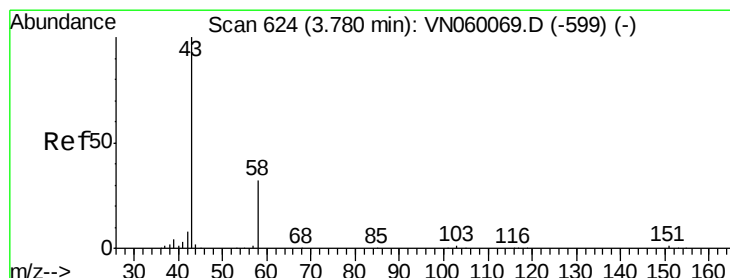
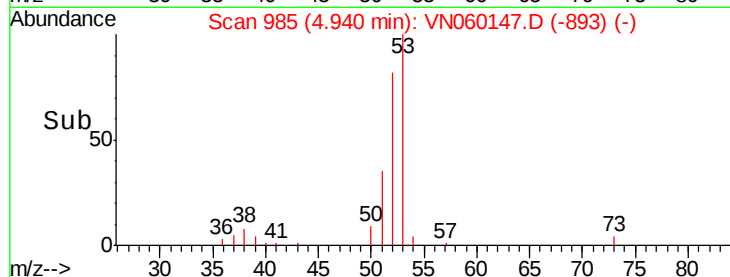
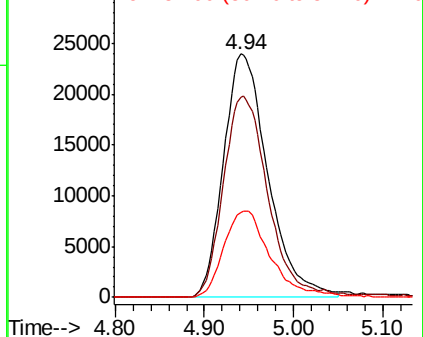
53 100

52 83.1 66.8 100.2

51 37.1 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 86.856 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060147.D

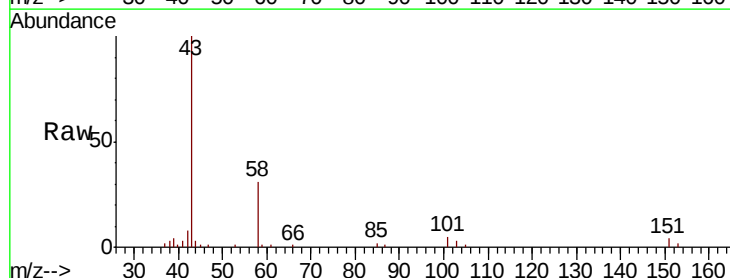
Acq: 19 Feb 2020 11:53

Tgt Ion: 43 Resp: 84746

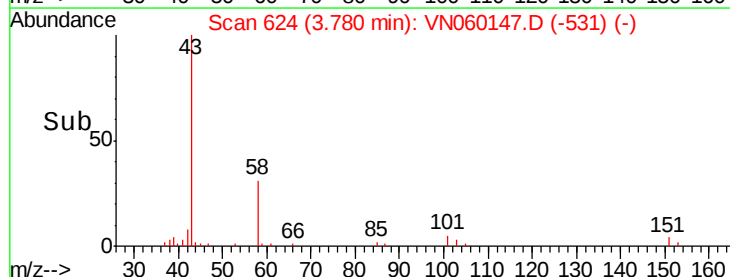
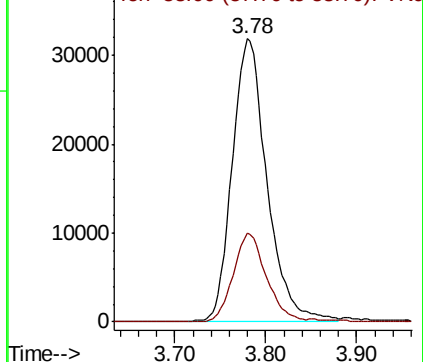
Ion Ratio Lower Upper

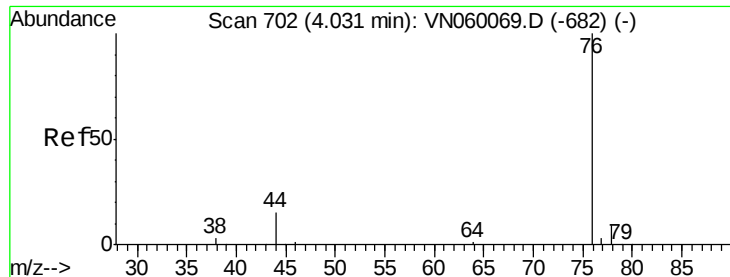
43 100

58 31.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

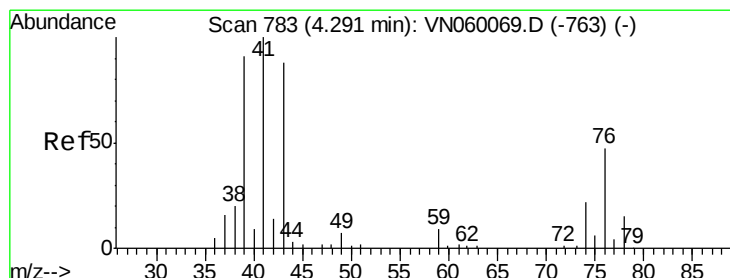
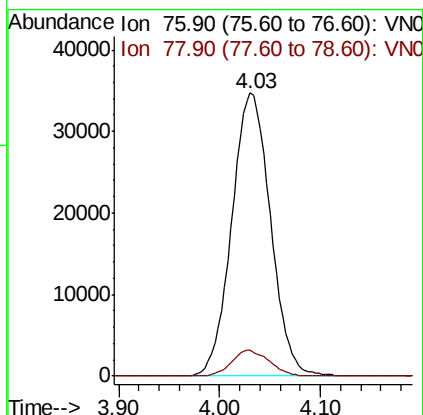
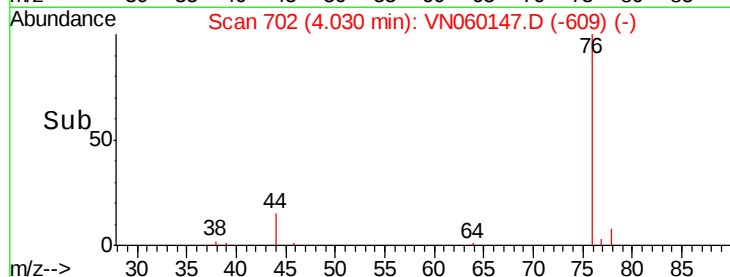
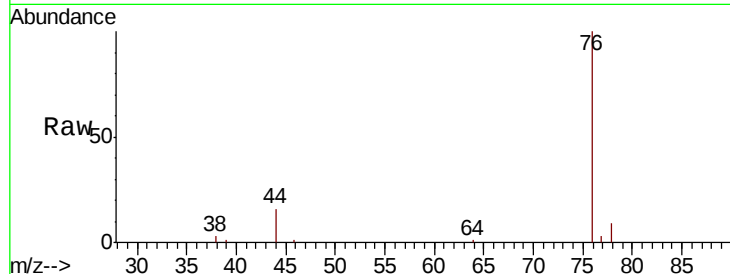




#17
Carbon Disulfide
Concen: 17.648 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

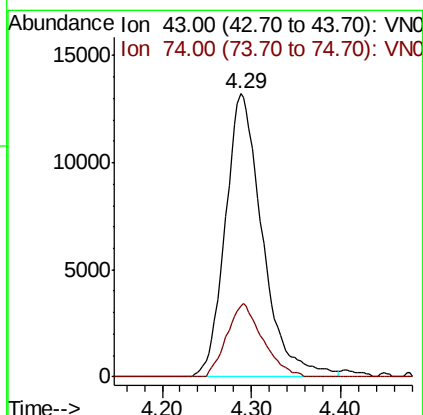
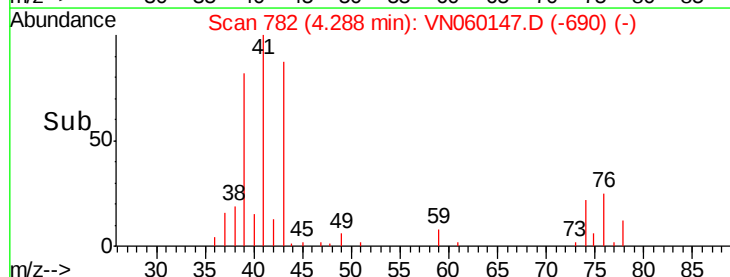
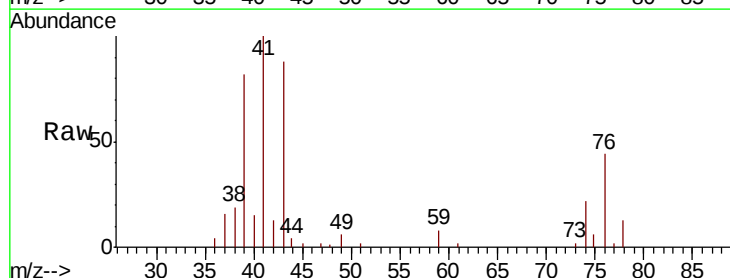
Instrument :
MSVOA_N
ClientSampleId :

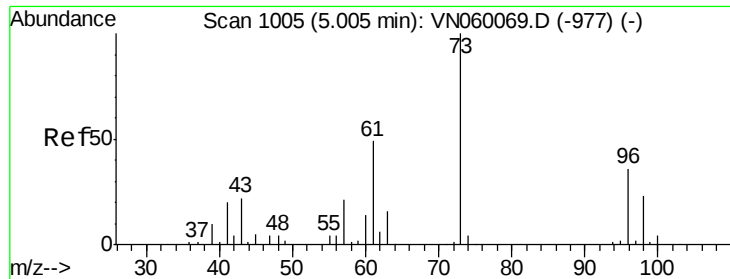
Tot Ion: 76 Resp: 92449
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 20.830 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 43 Resp: 38179
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5

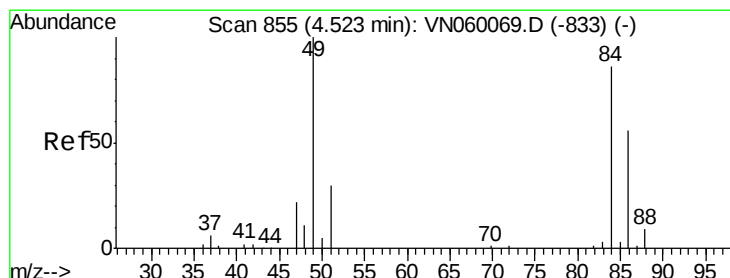
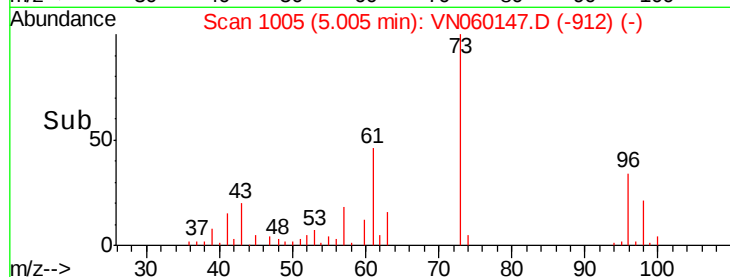
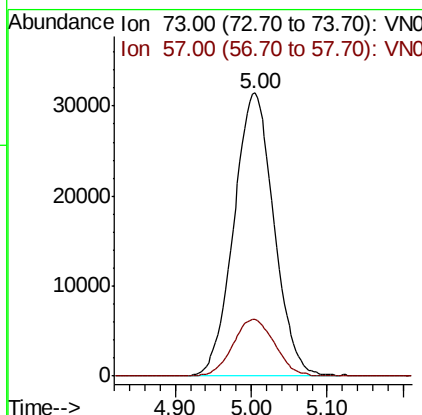
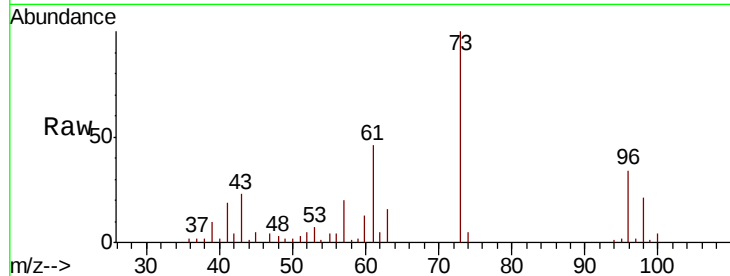




#19
Methvl tert-butvl Ether
Concen: 19.749 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

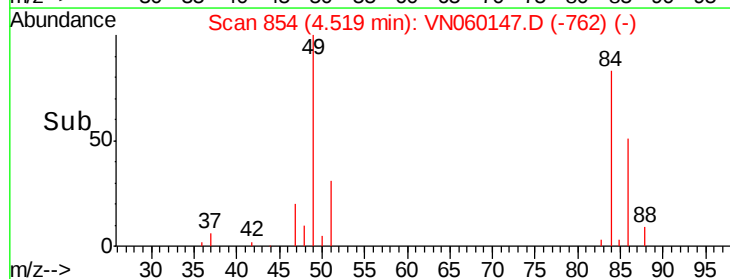
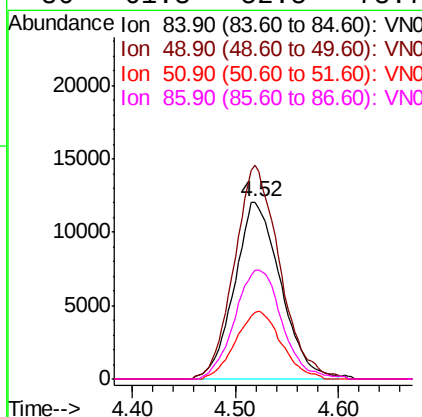
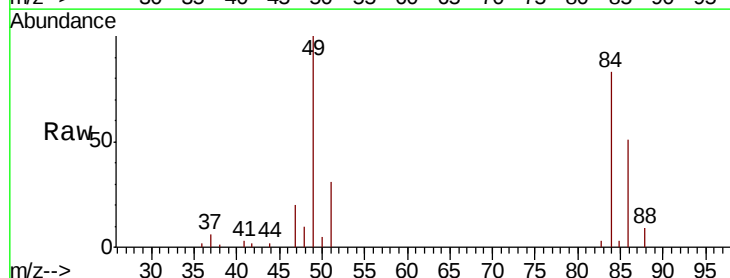
Instrument :
MSVOA_N
ClientSampleId :

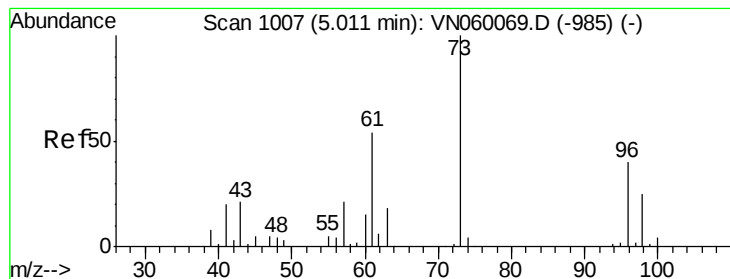
Tot Ion: 73 Resp: 115426
Ion Ratio Lower Upper
73 100
57 20.3 17.2 25.8



#20
Methylene Chloride
Concen: 19.286 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 84 Resp: 37542
Ion Ratio Lower Upper
84 100
49 120.9 93.4 140.0
51 37.6 28.4 42.6
86 61.3 52.5 78.7



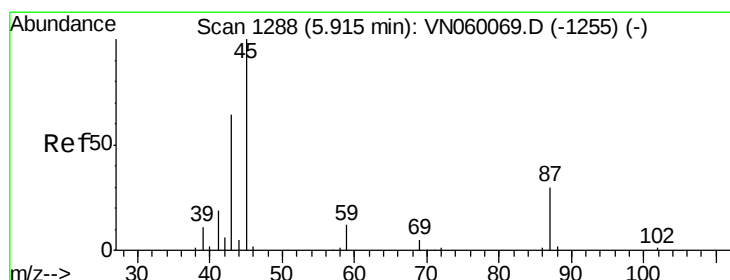
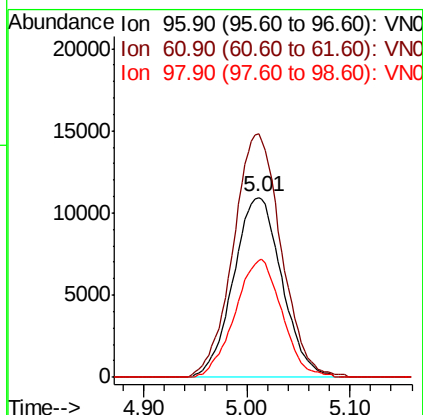
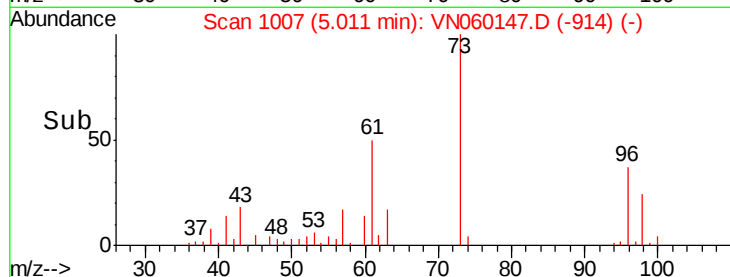
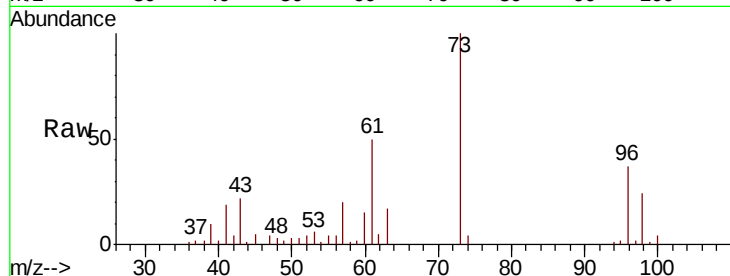


#21

trans-1,2-Dichloroethene
Concen: 18.823 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

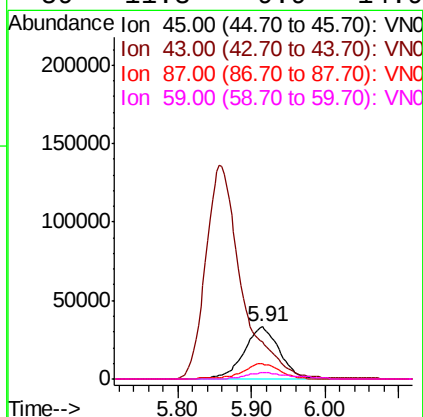
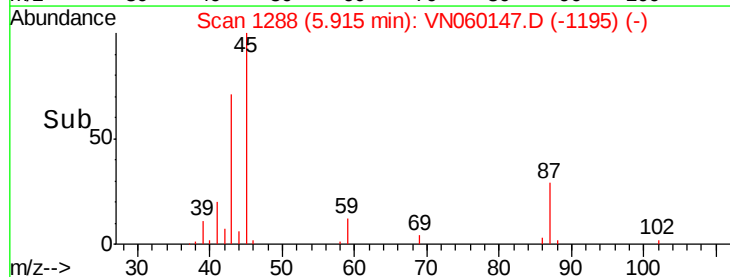
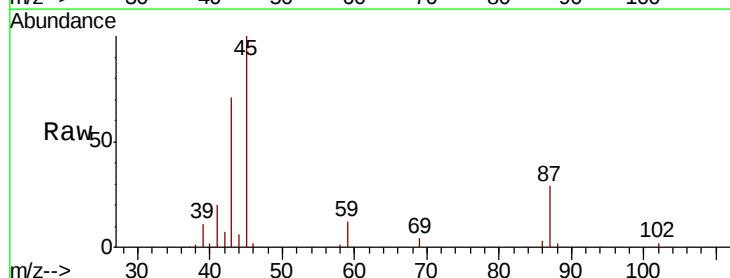
Tot Ion: 96 Resp: 35661
Ion Ratio Lower Upper
96 100
61 135.3 109.3 163.9
98 65.1 51.0 76.6

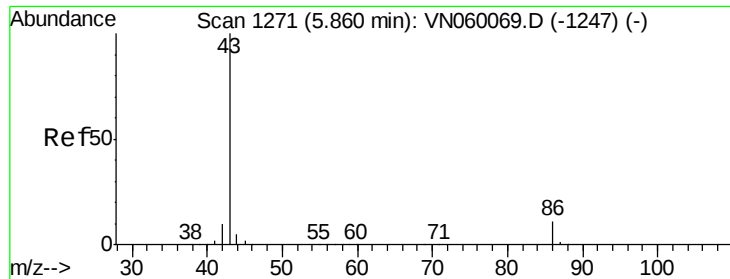


#22

Diisopropyl ether
Concen: 19.741 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 45 Resp: 110673
Ion Ratio Lower Upper
45 100
43 68.7 55.9 83.9
87 28.6 24.5 36.7
59 11.3 9.9 14.9

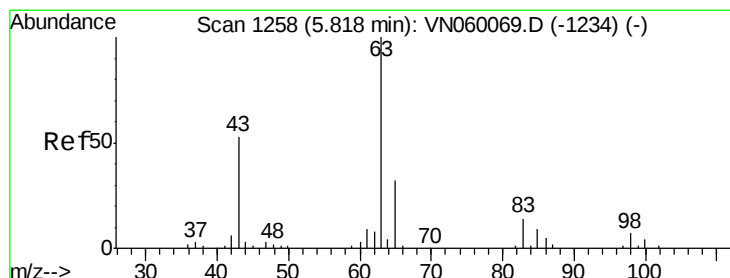
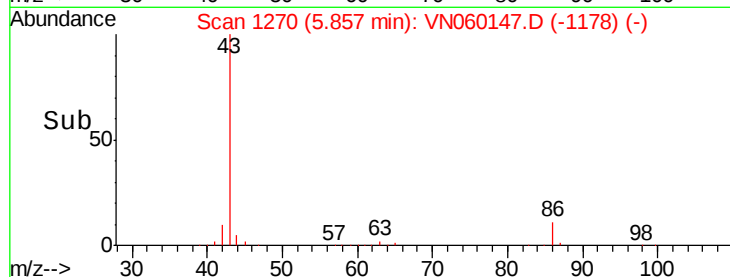
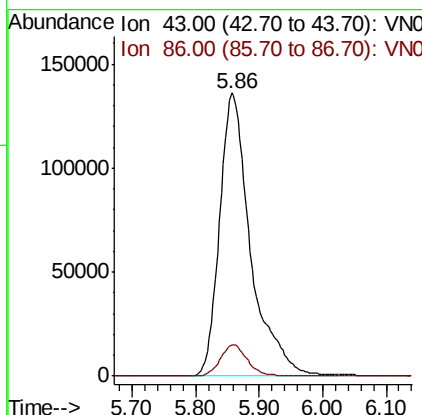
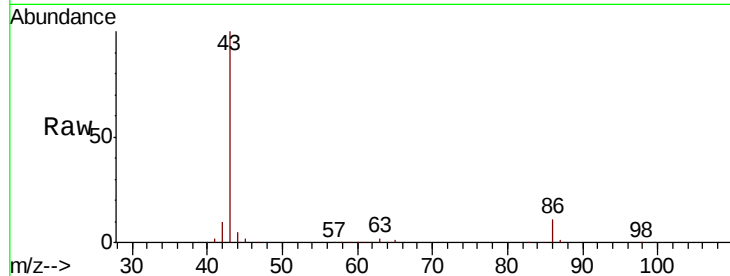




#23
 Vinyl Acetate
 Concen: 98.061 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

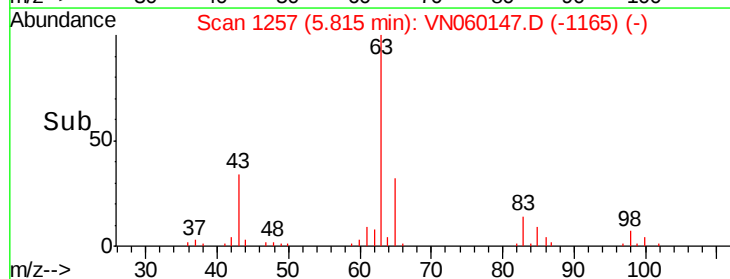
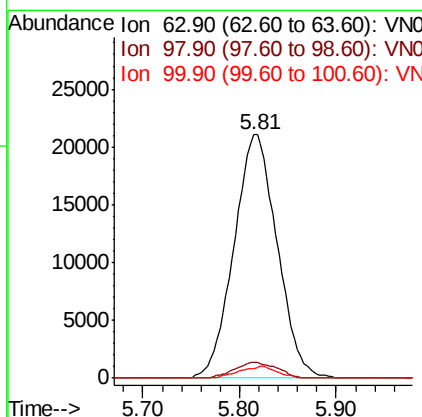
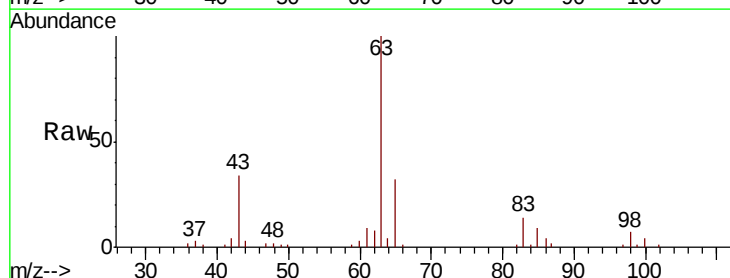
Instrument :
 MSVOA_N
 ClientSampled :

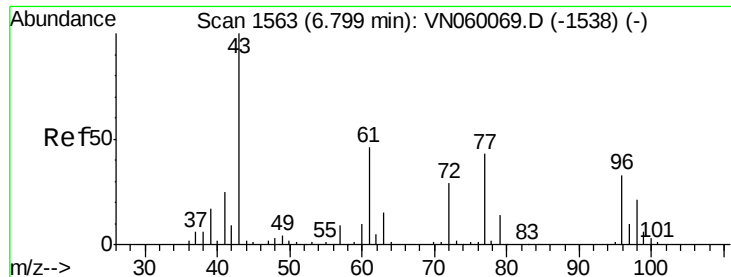
Tot Ion: 43 Resp: 461667
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 19.226 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion: 63 Resp: 65294
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.5
 100 4.1 2.2 6.6

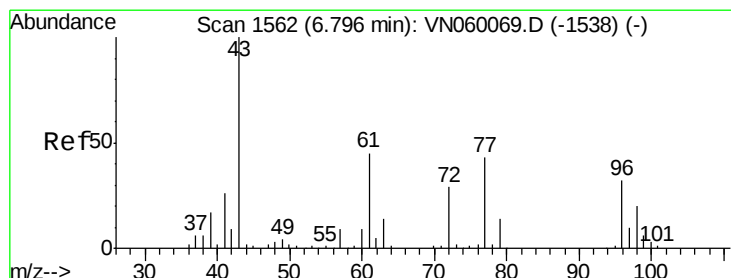
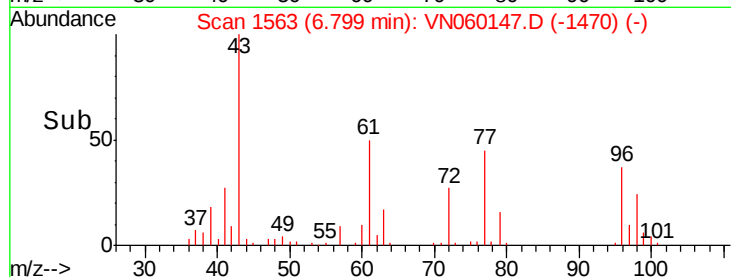
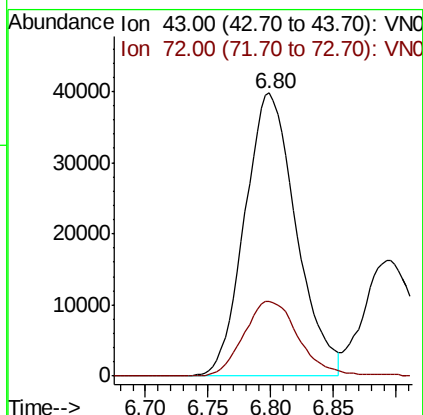
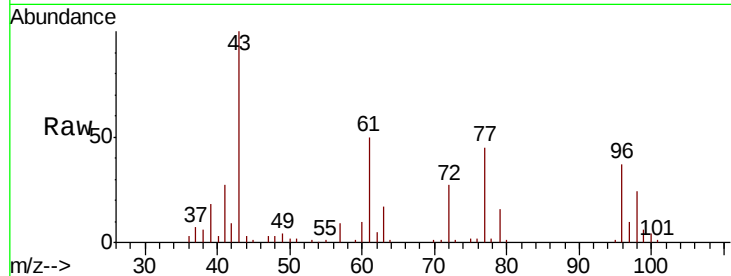




#25
2-Butanone
Concen: 92.531 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

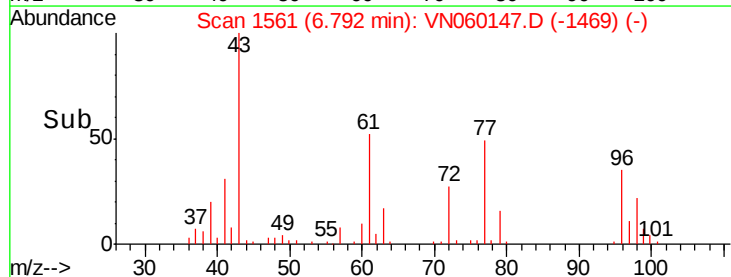
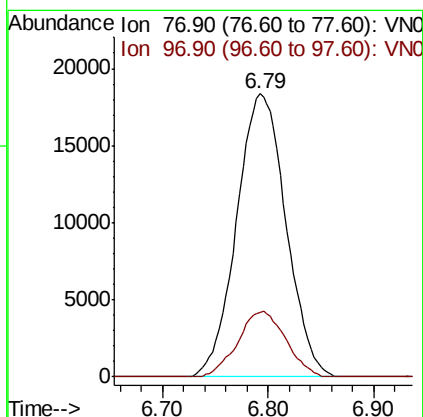
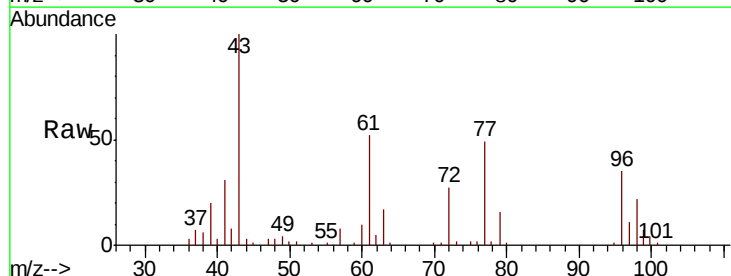
Instrument :
MSVOA_N
ClientSampled :

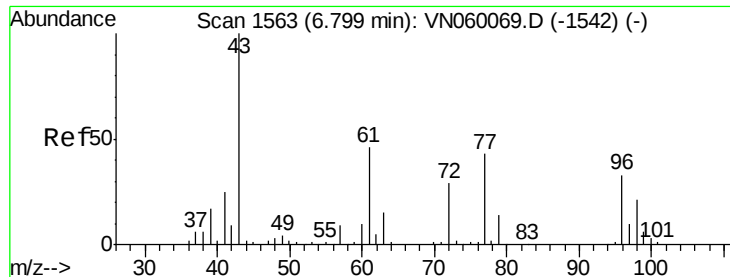
Tot Ion: 43 Resp: 113546
Ion Ratio Lower Upper
43 100
72 26.6 23.3 34.9



#26
2,2-Dichloropropane
Concen: 18.475 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 77 Resp: 59597
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.069 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

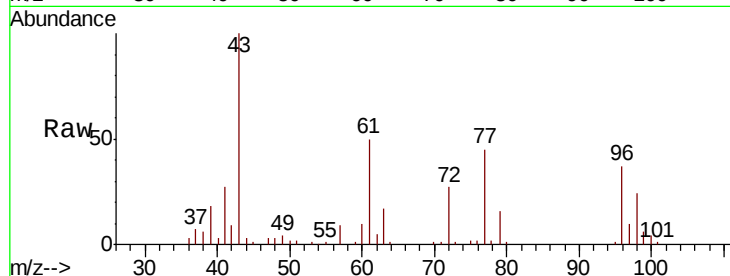
Tot Ion: 96 Resp: 42281

Ion Ratio Lower Upper

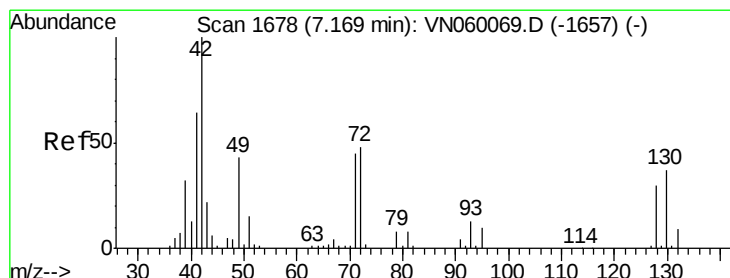
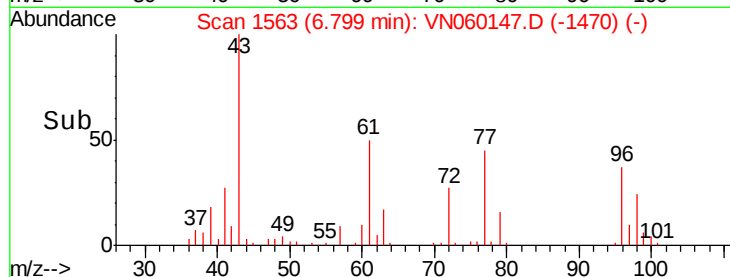
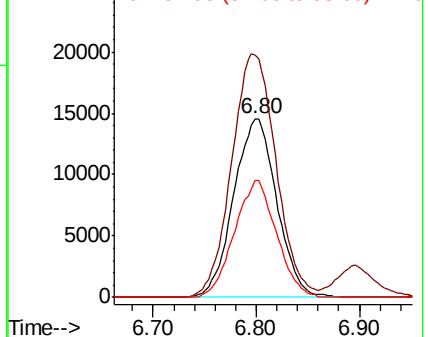
96 100

61 140.6 0.0 285.8

98 63.7 0.0 129.6



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



#28

Bromochloromethane

Concen: 19.098 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

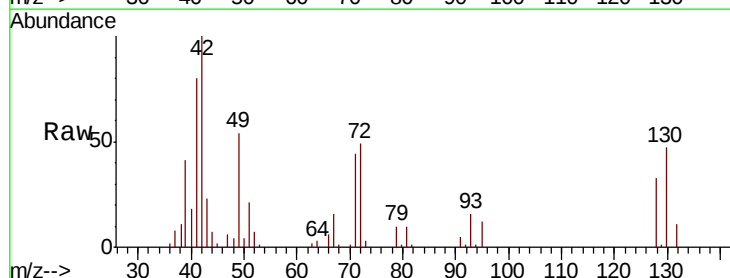
Tgt Ion: 49 Resp: 25499

Ion Ratio Lower Upper

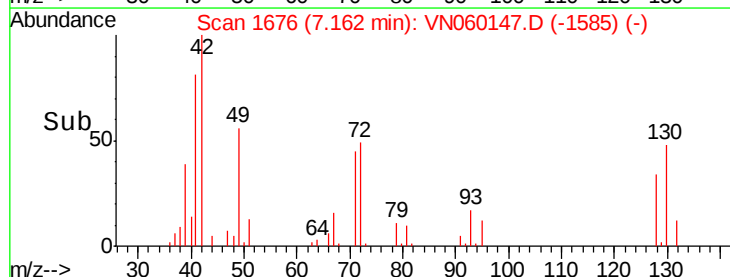
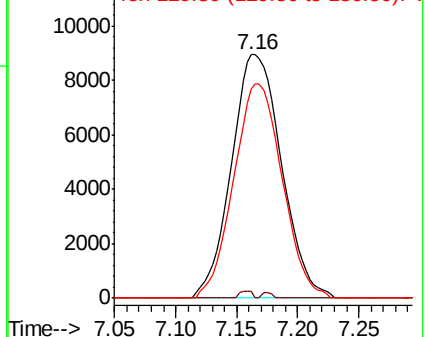
49 100

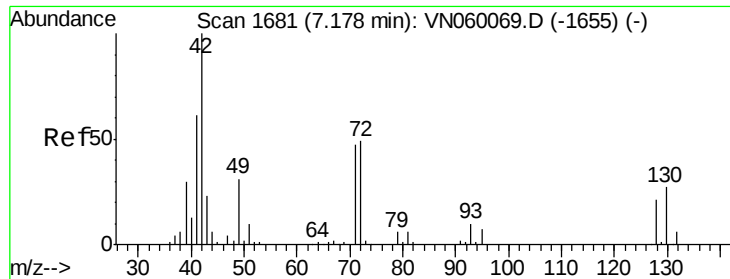
129 0.7 0.0 2.2

130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

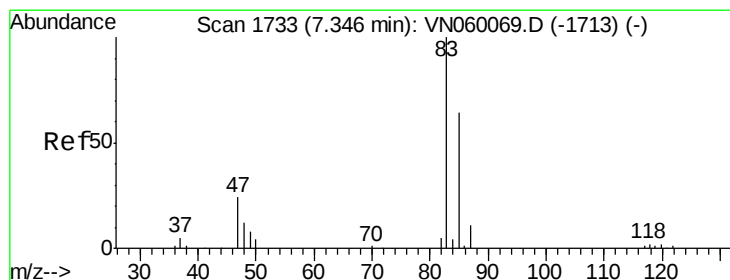
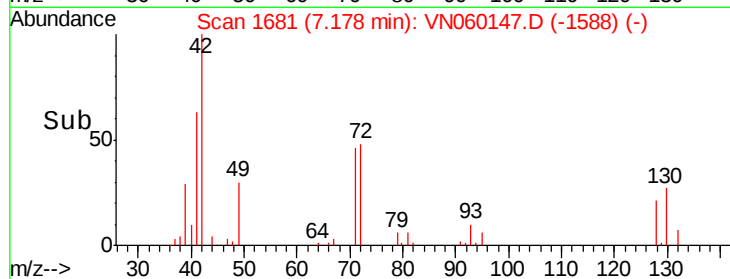
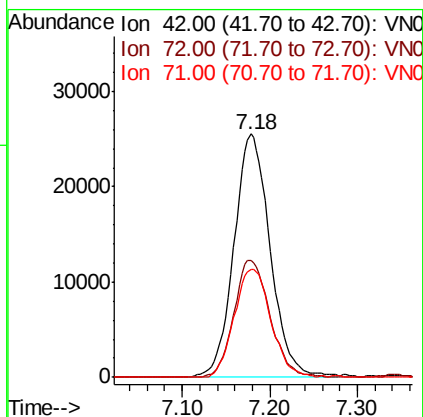
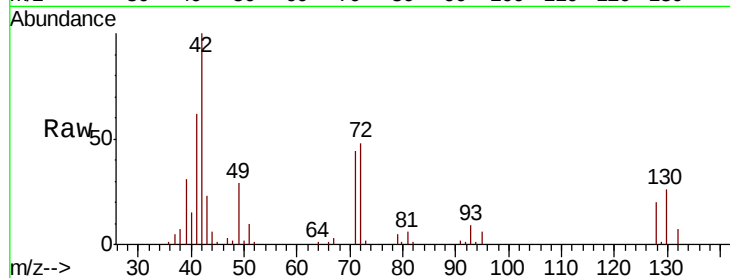




#29
Tetrahydrofuran
Concen: 97.435 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

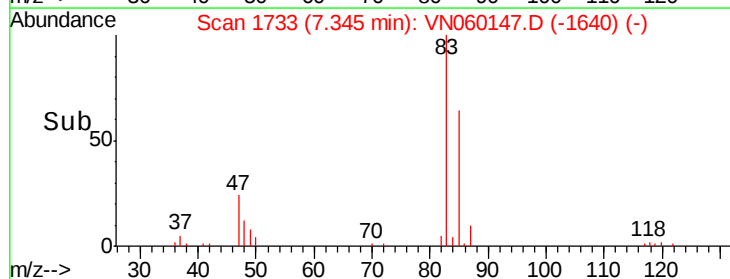
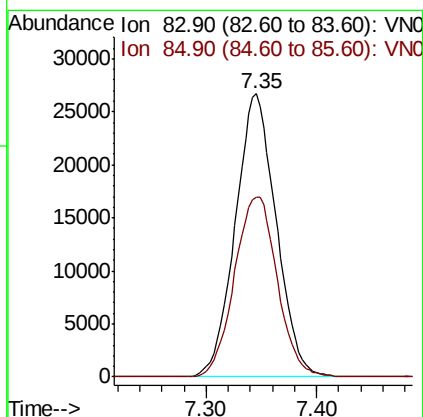
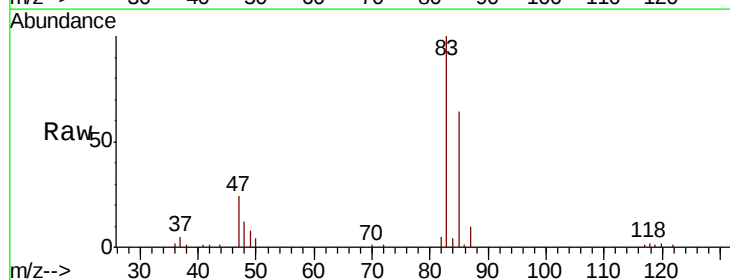
Instrument :
MSVOA_N
ClientSampled :

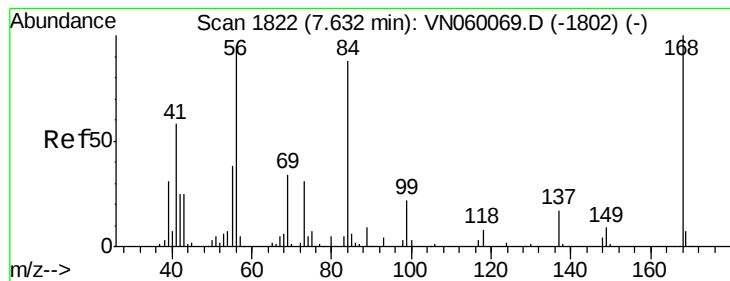
Tot Ion: 42 Resp: 73350
Ion Ratio Lower Upper
42 100
72 47.8 38.2 57.4
71 44.9 36.6 54.8



#30
Chloroform
Concen: 19.225 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 83 Resp: 68395
Ion Ratio Lower Upper
83 100
85 63.7 51.4 77.0





#31

Cyclohexane

Concen: 18.639 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

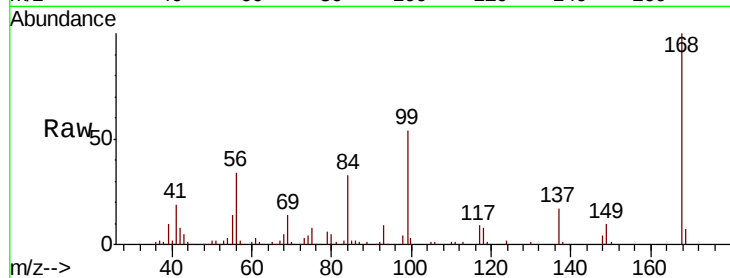
Tot Ion: 56 Resp: 58968

Ion Ratio Lower Upper

56 100

69 39.6 28.3 42.5

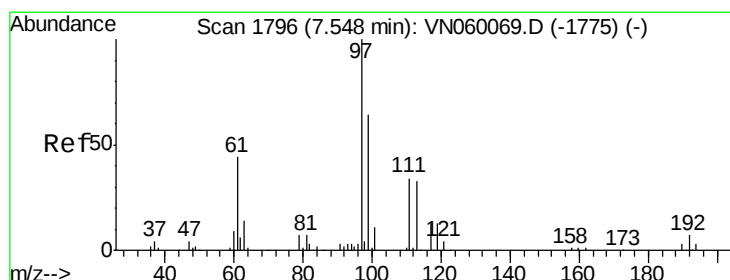
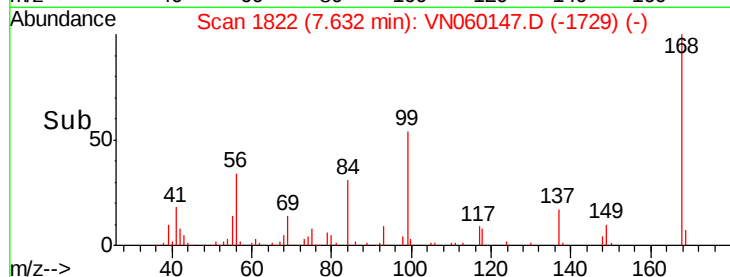
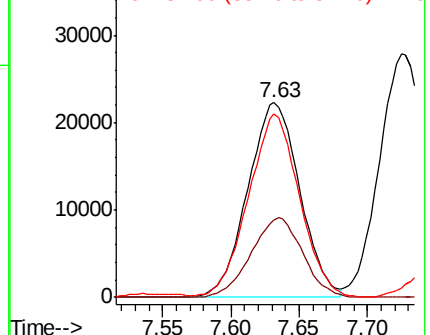
84 93.6 72.6 108.8



Abundance Ion 56.00 (55.70 to 56.70): VN060147.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060147.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060147.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 18.693 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

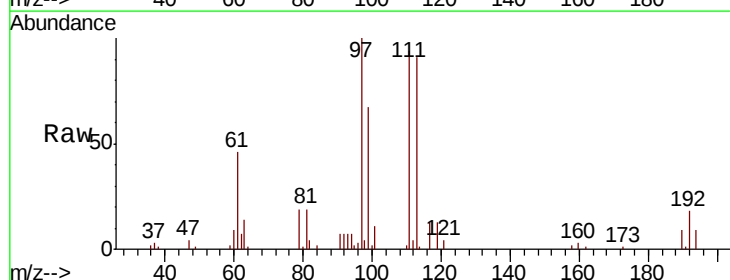
Tgt Ion: 97 Resp: 60772

Ion Ratio Lower Upper

97 100

99 65.4 51.4 77.0

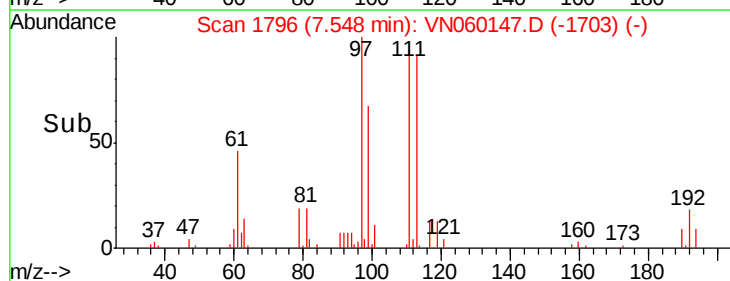
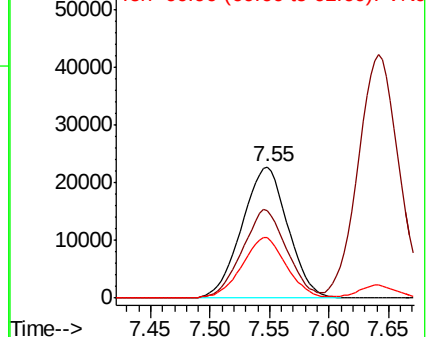
61 44.5 34.9 52.3

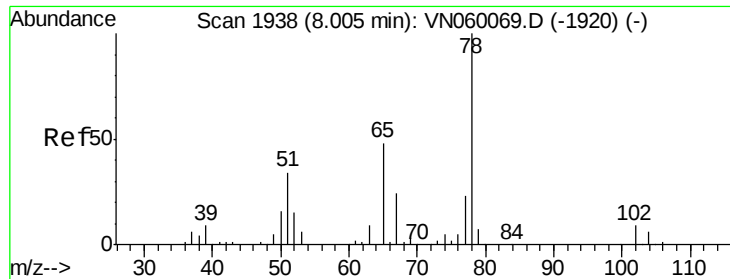


Abundance Ion 96.90 (96.60 to 97.60): VN060147.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060147.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060147.D (-1703) (-)

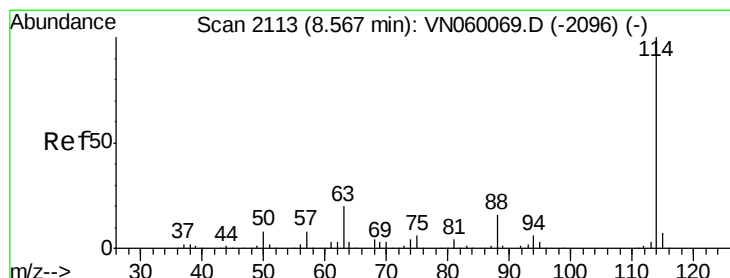
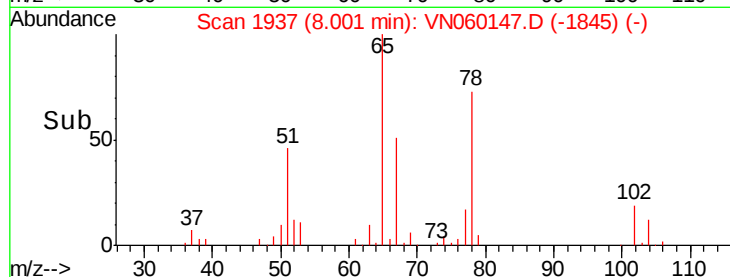
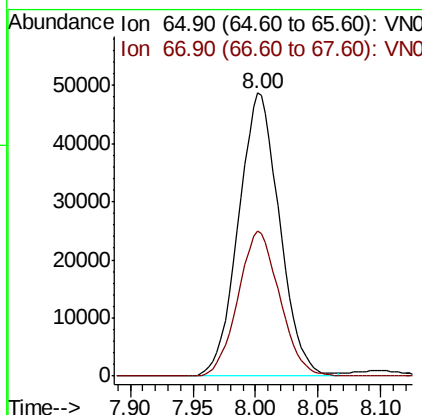
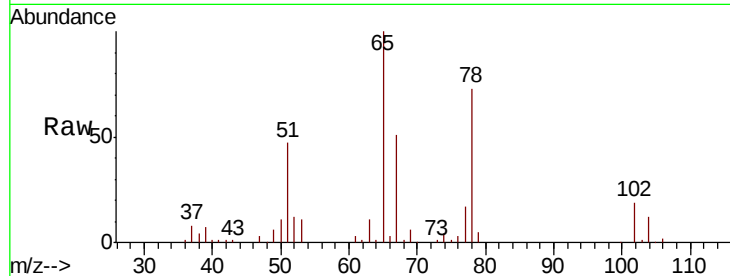




#33
 1,2-Dichloroethane-d4
 Concen: 49.558 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

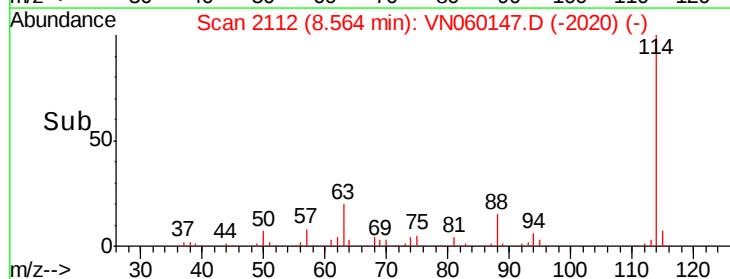
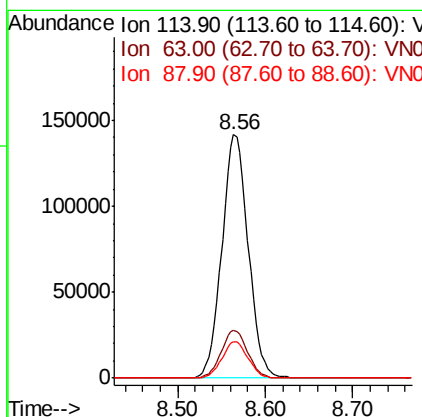
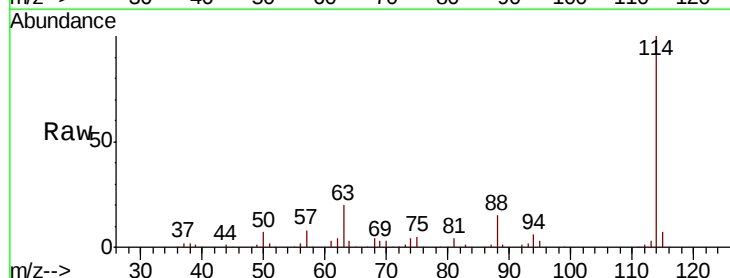
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 65 Resp: 110854
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion: 114 Resp: 295342
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.407 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

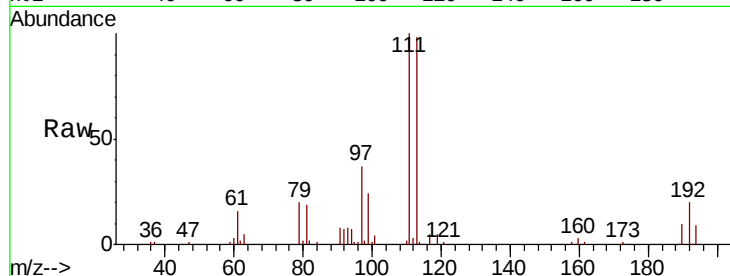
Tot Ion:113 Resp: 86065

Ion Ratio Lower Upper

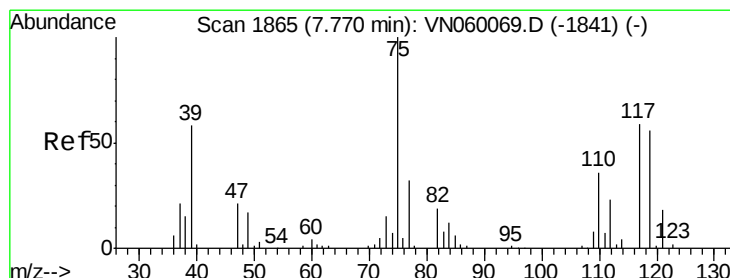
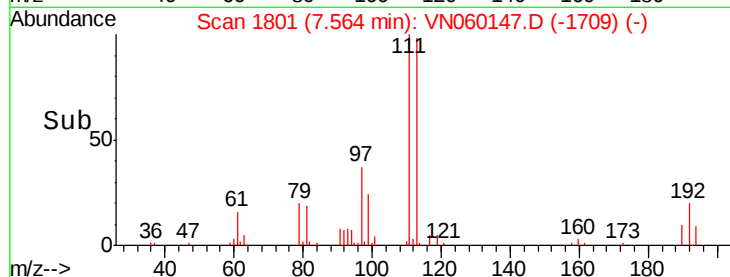
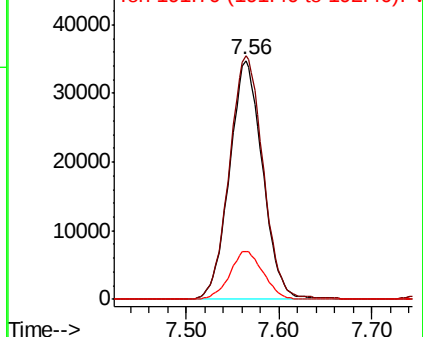
113 100

111 104.0 81.4 122.2

192 20.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.084 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

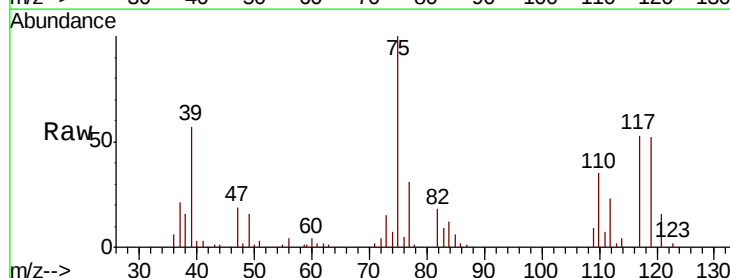
Tgt Ion: 75 Resp: 49470

Ion Ratio Lower Upper

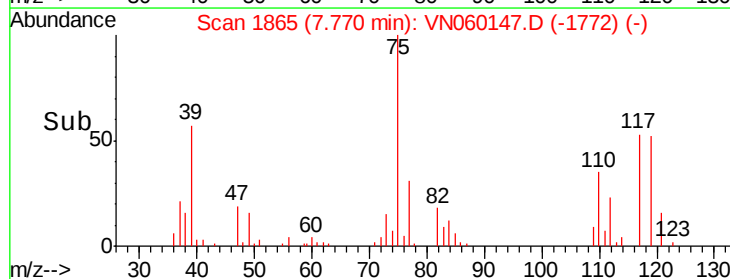
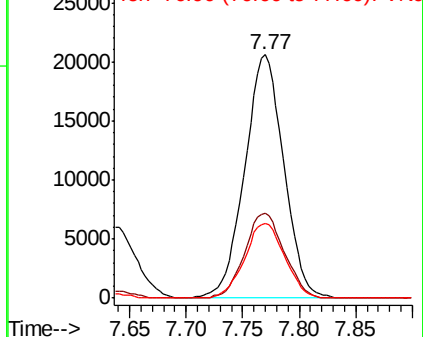
75 100

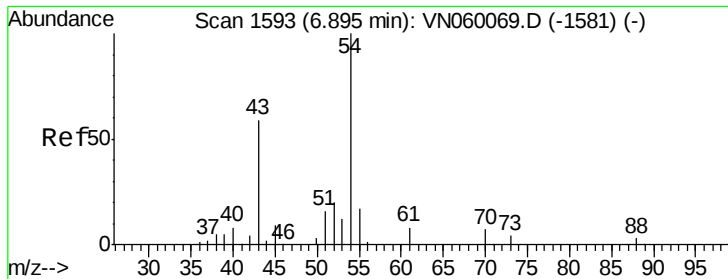
110 35.2 18.1 54.3

77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

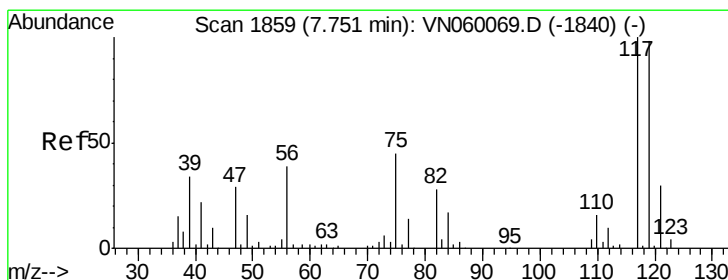
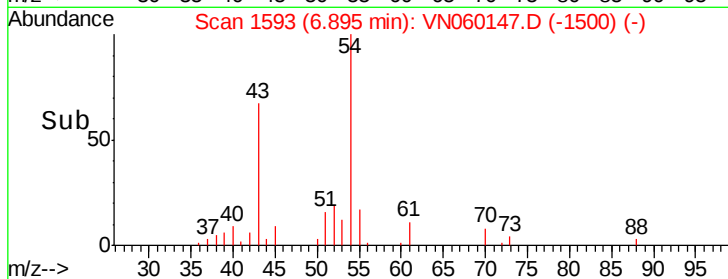
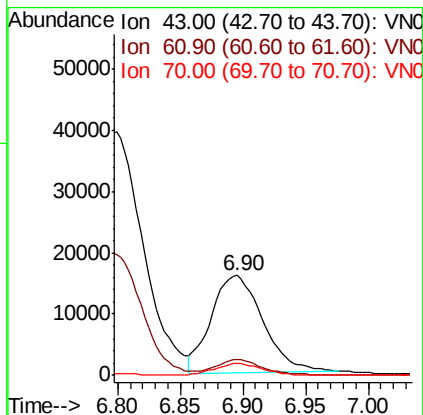
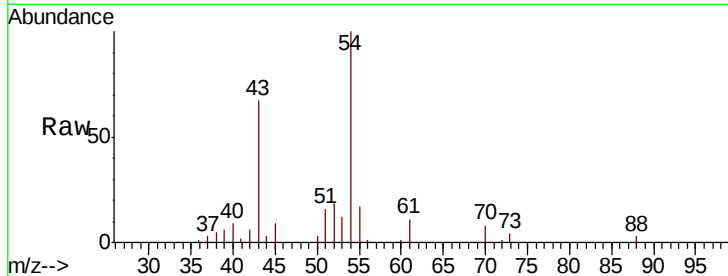




#37
Ethyl Acetate
Concen: 18.541 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

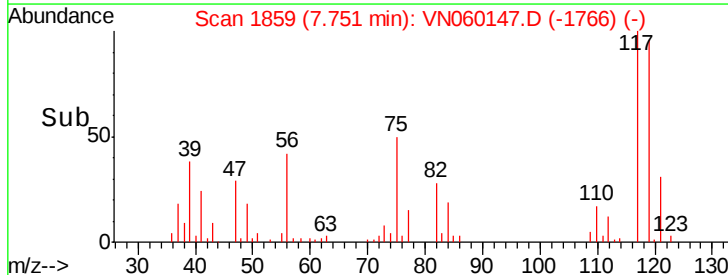
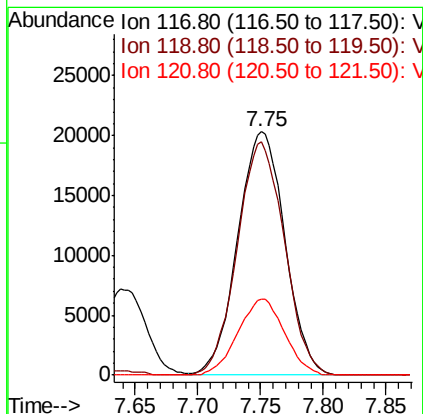
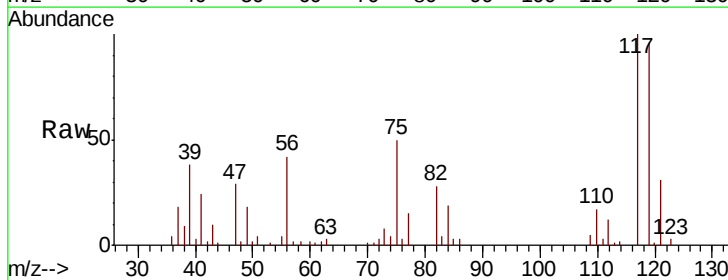
Instrument :
MSVOA_N
ClientSampled :

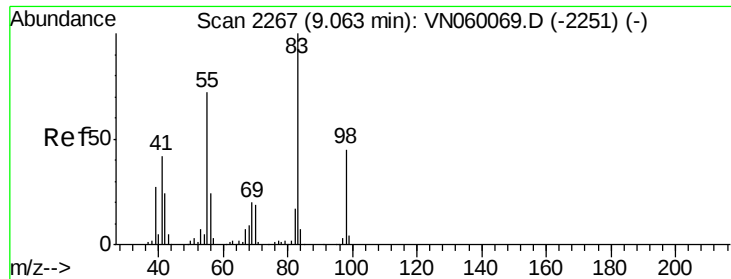
Tot Ion: 43 Resp: 45840
Ion Ratio Lower Upper
43 100
61 15.0 11.4 17.2
70 11.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.922 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 117 Resp: 53246
Ion Ratio Lower Upper
117 100
119 95.7 78.2 117.4
121 31.4 24.2 36.2

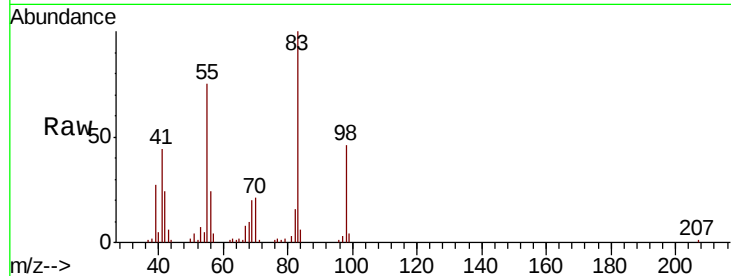




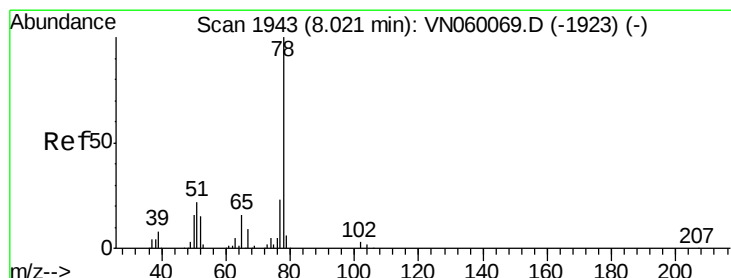
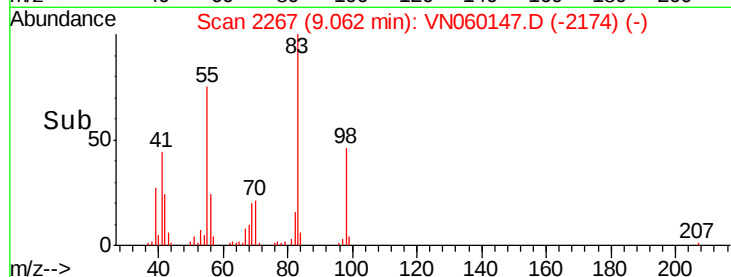
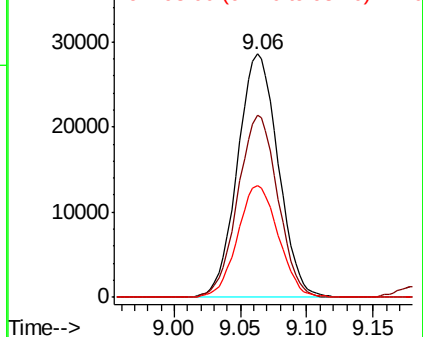
#39
Methvlcvclohexane
Concen: 17.901 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 60789
Ion Ratio Lower Upper
83 100
55 74.9 57.8 86.8
98 46.1 36.4 54.6

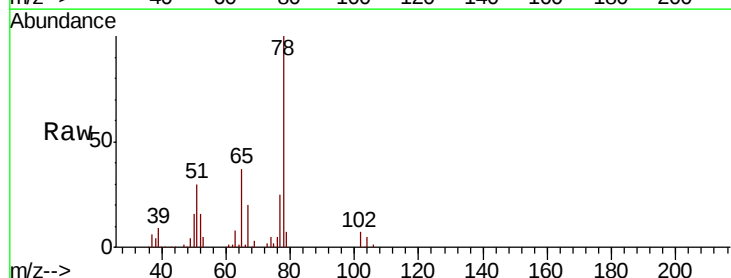


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

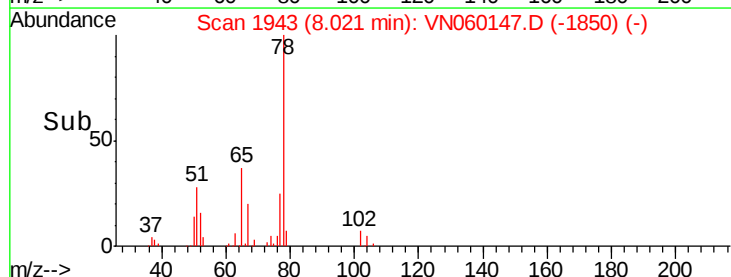
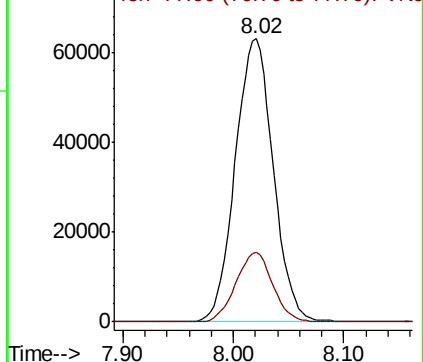


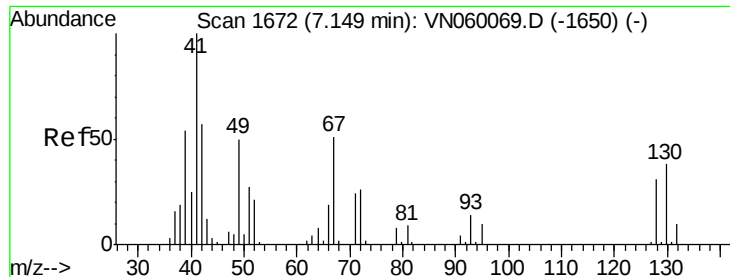
#40
Benzene
Concen: 18.505 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 78 Resp: 150162
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

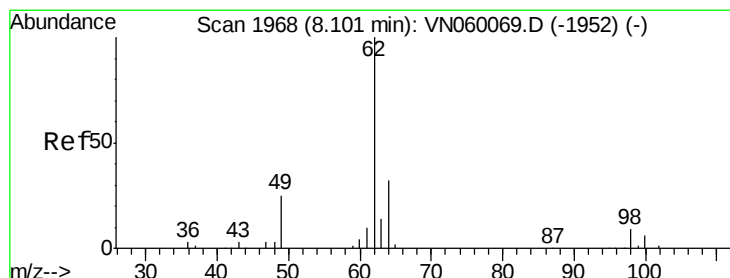
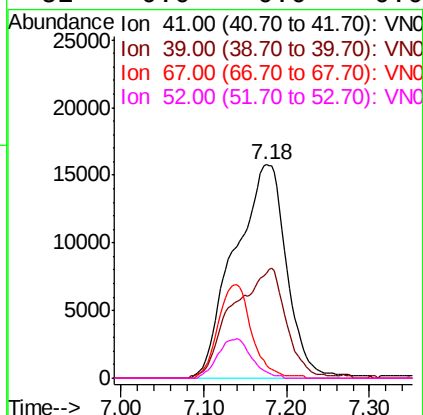
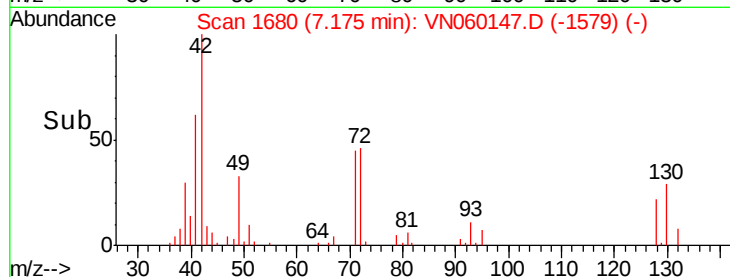
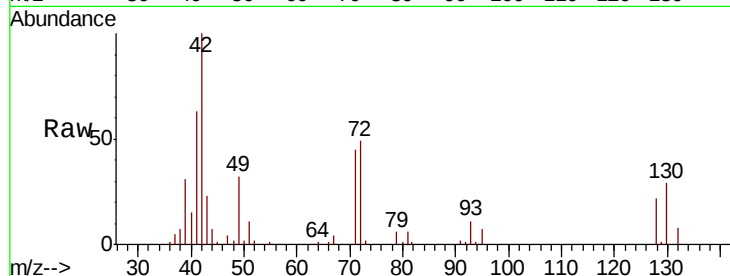




#41
Methacrylonitrile
Concen: 66.205 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

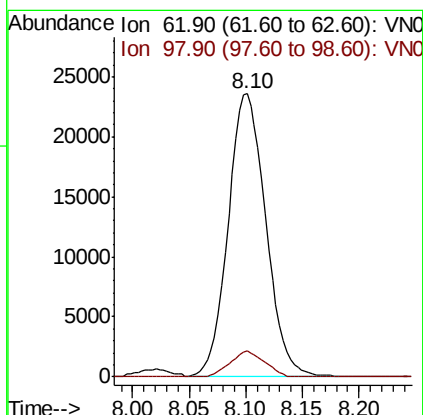
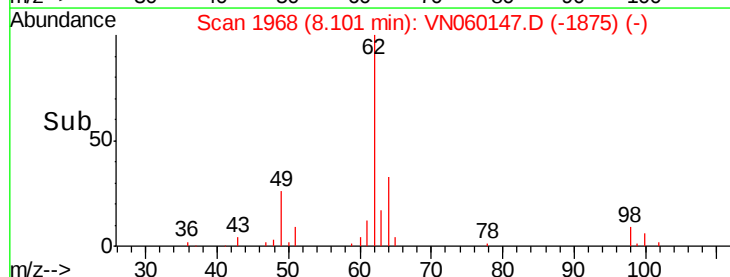
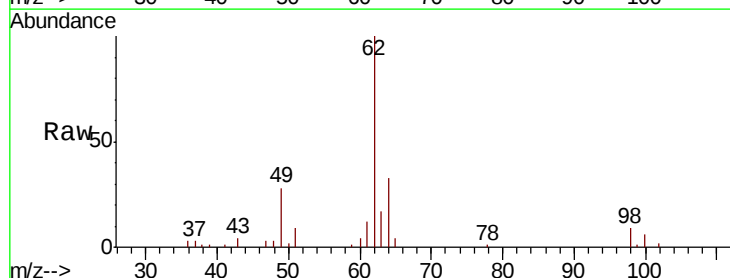
Instrument :
MSVOA_N
ClientSampled :

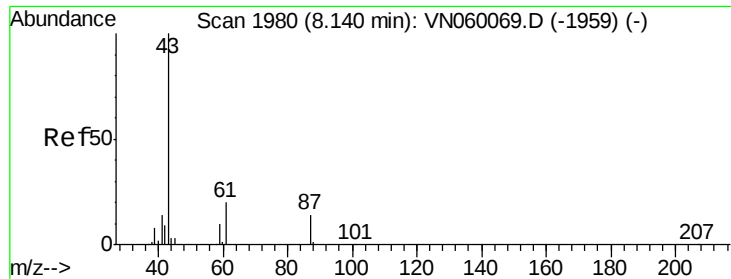
Tot Ion: 41 Resp: 68643
Ion Ratio Lower Upper
41 100
39 52.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.273 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 62 Resp: 54814
Ion Ratio Lower Upper
62 100
98 8.3 0.0 18.2

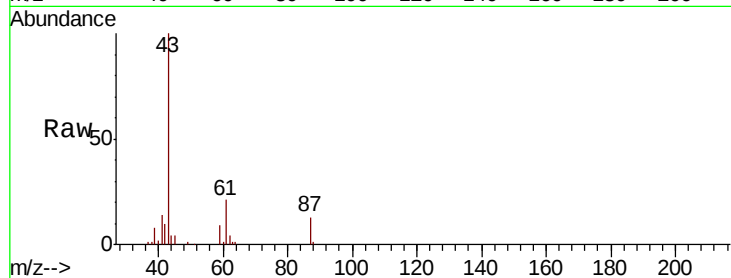




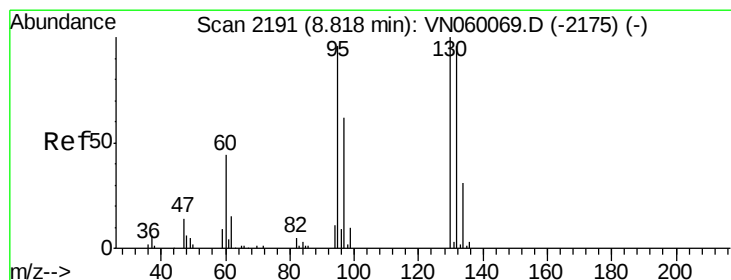
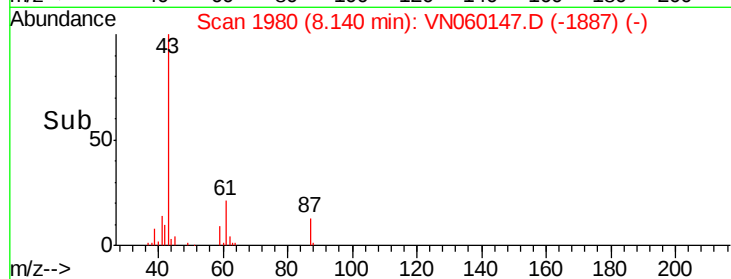
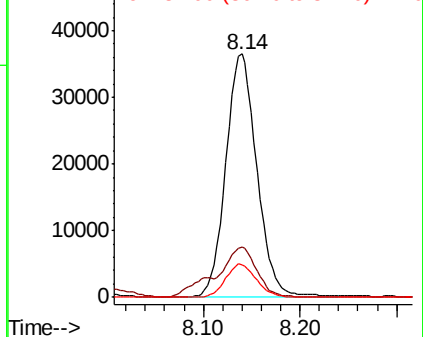
#43
Isopropyl Acetate
Concen: 19.313 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 81621
Ion Ratio Lower Upper
43 100
61 20.9 21.8 32.6#
87 13.3 11.4 17.2

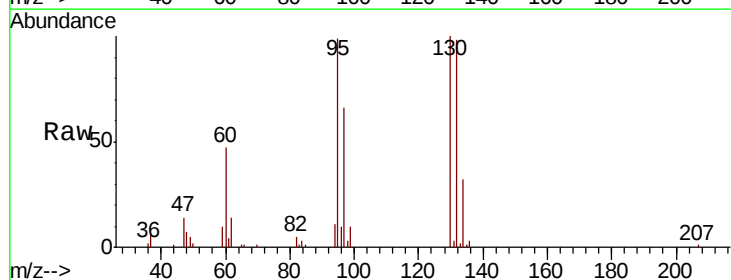


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

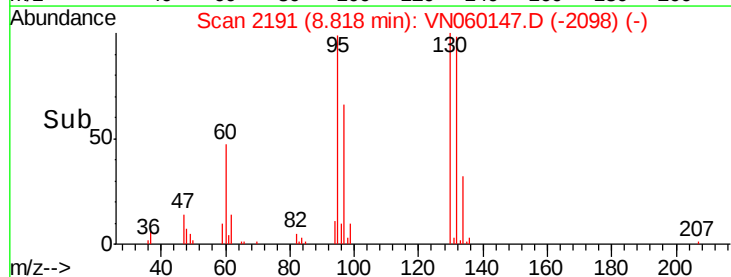
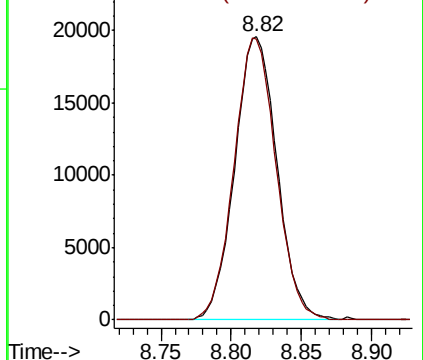


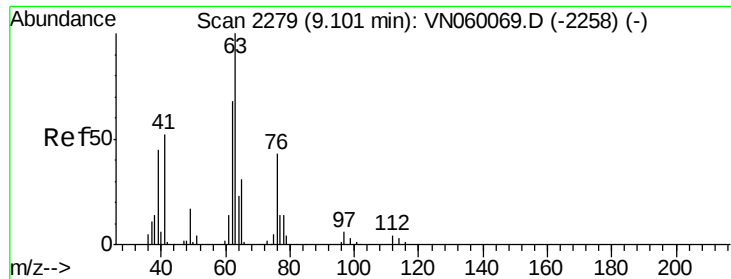
#44
Trichloroethene
Concen: 18.266 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:130 Resp: 41043
Ion Ratio Lower Upper
130 100
95 99.4 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 19.215 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

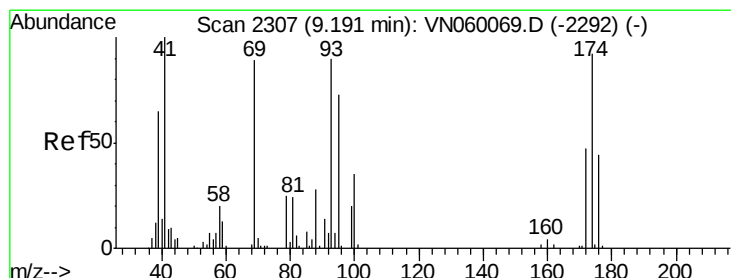
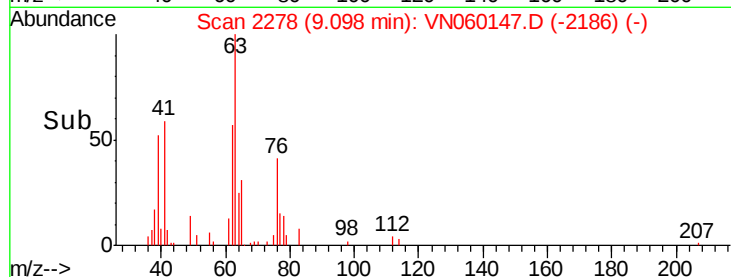
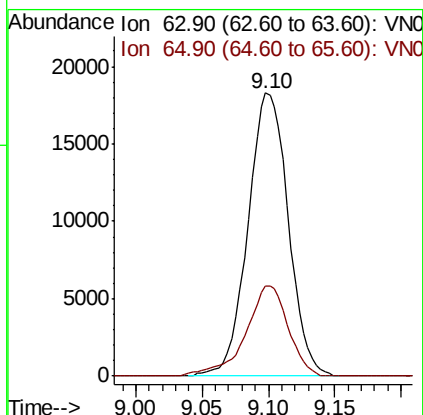
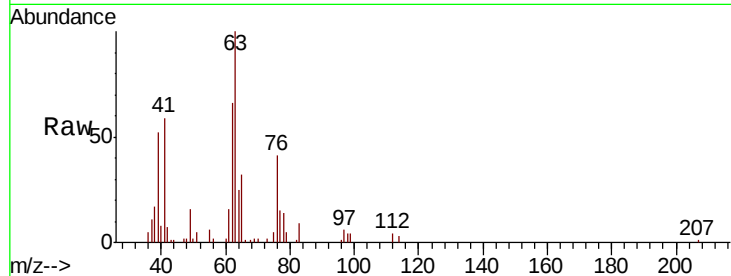
ClientSampled :

Tot Ion: 63 Resp: 38603

Ion Ratio Lower Upper

63 100

65 31.8 25.0 37.4



#46

Dibromomethane

Concen: 19.164 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

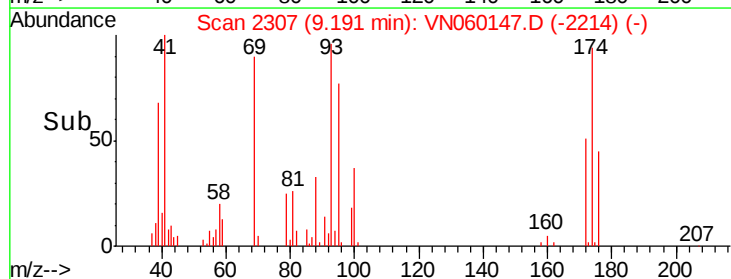
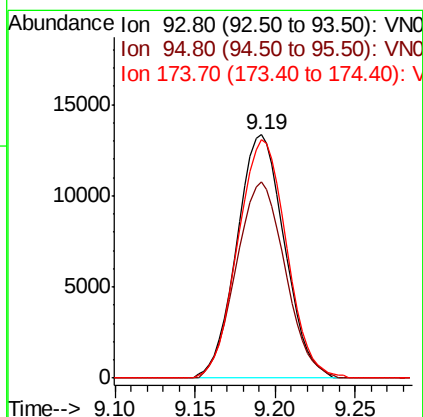
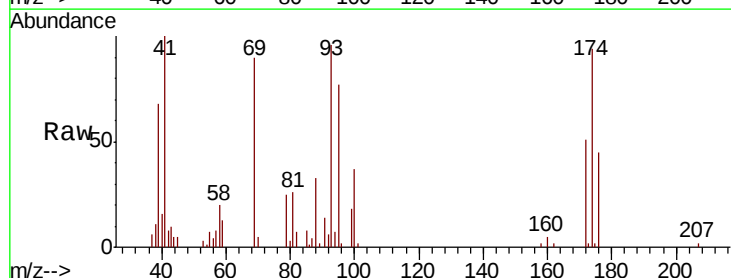
Tgt Ion: 93 Resp: 27207

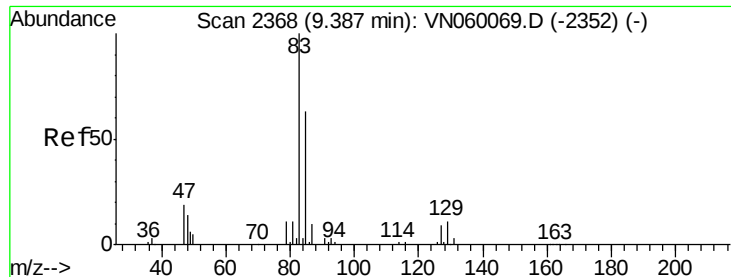
Ion Ratio Lower Upper

93 100

95 82.8 65.0 97.6

174 100.2 82.3 123.5

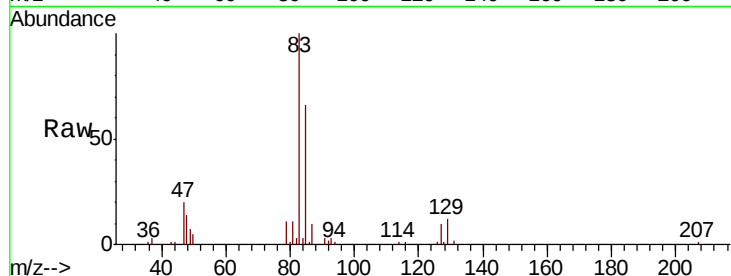




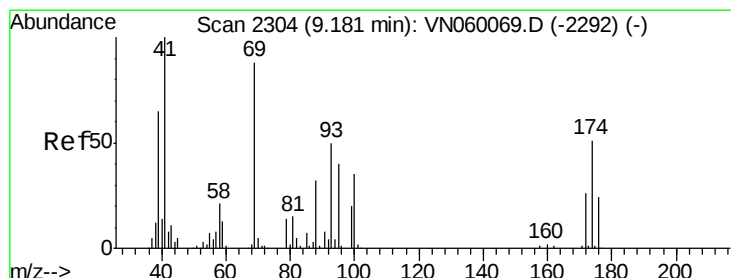
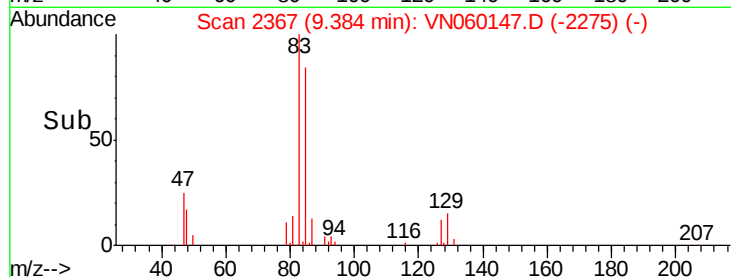
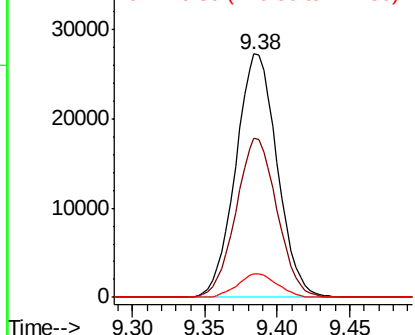
#47
Bromodichloromethane
Concen: 18.818 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 54316
Ion Ratio Lower Upper
83 100
85 65.6 50.6 75.8
127 9.7 7.0 10.6

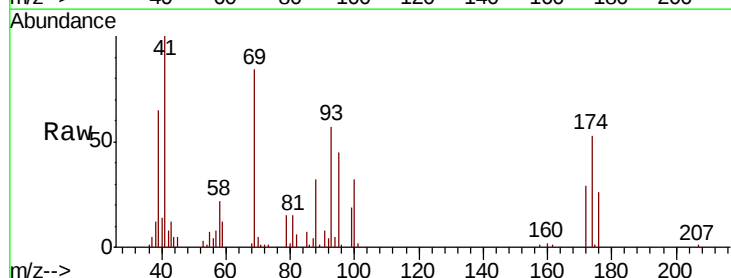


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

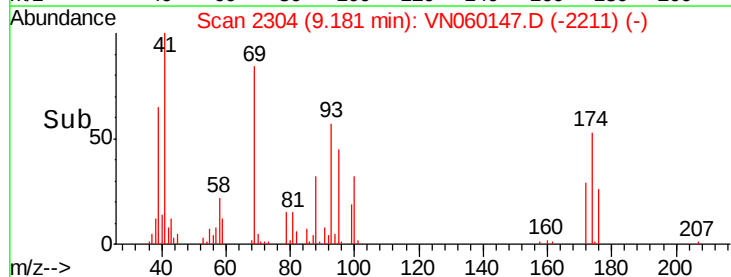
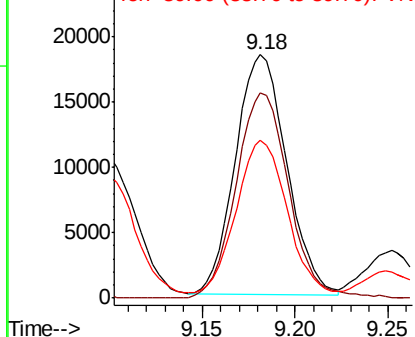


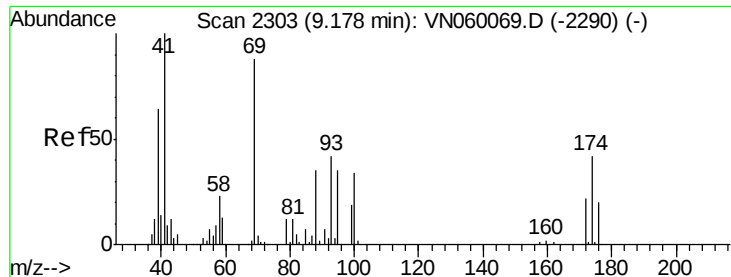
#48
Methyl methacrylate
Concen: 18.500 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 41 Resp: 35079
Ion Ratio Lower Upper
41 100
69 88.4 72.0 108.0
39 67.8 54.1 81.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

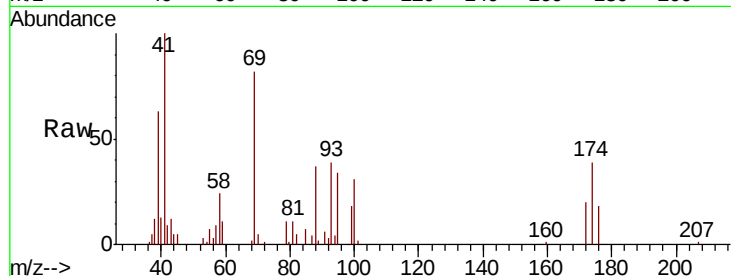




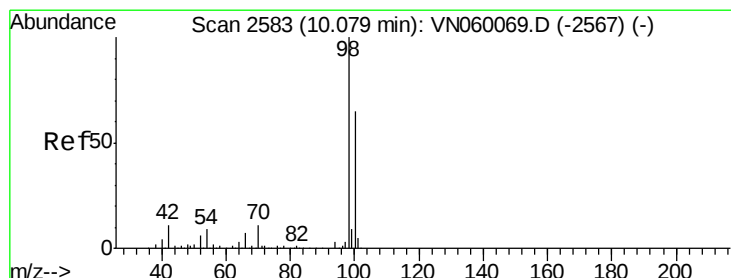
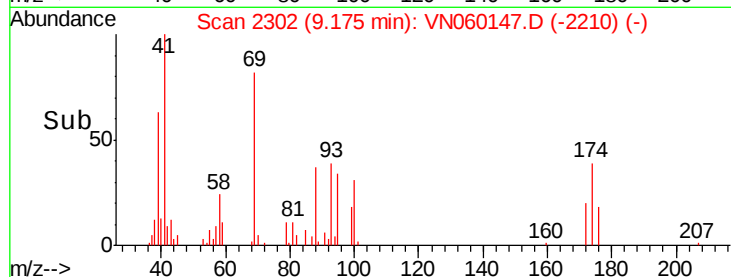
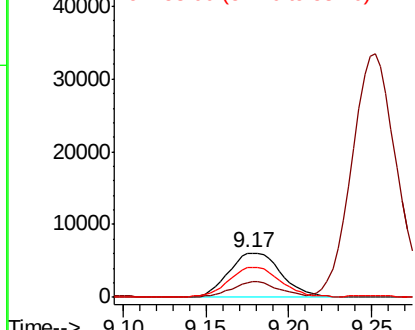
#49
1,4-Dioxane
Concen: 413.389 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 13393
Ion Ratio Lower Upper
88 100
43 32.2 26.2 39.2
58 66.9 53.2 79.8

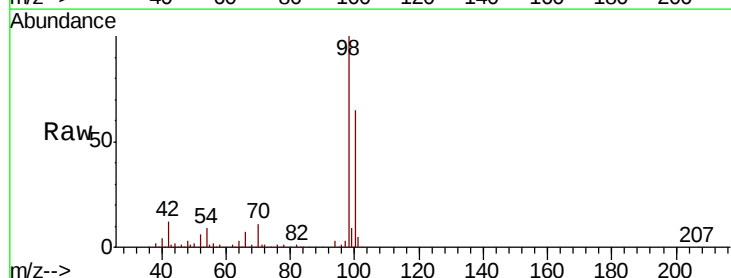


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

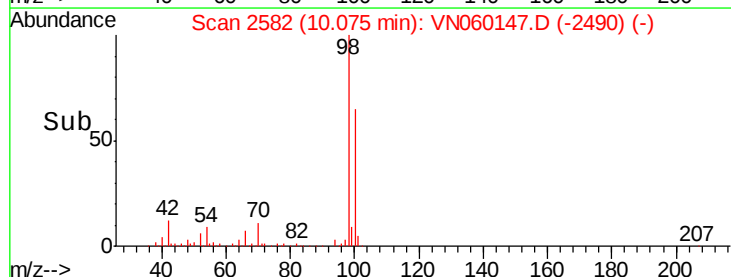
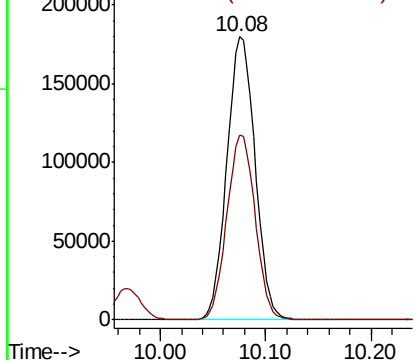


#50
Toluene-d8
Concen: 46.575 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 98 Resp: 332976
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 95.279 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

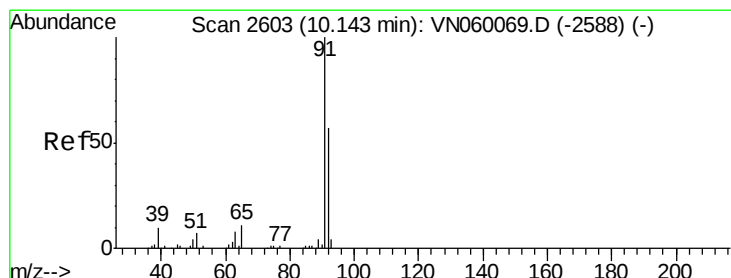
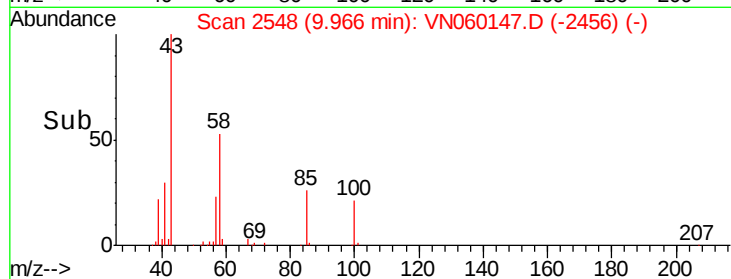
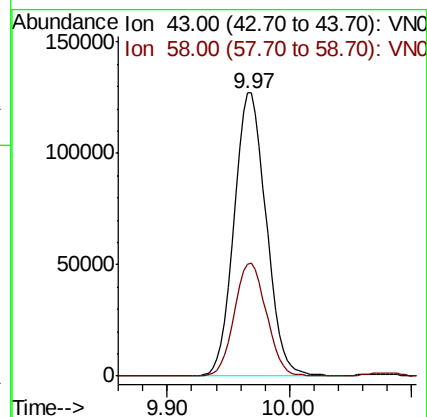
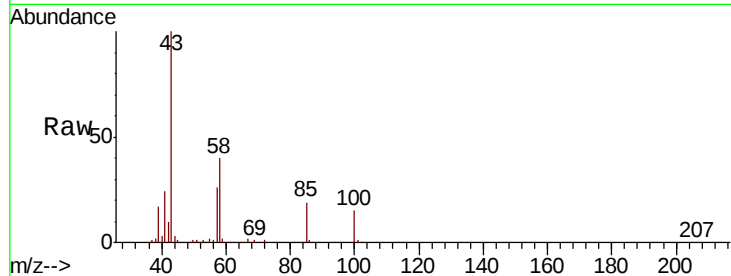
ClientSampleId :

Tot Ion: 43 Resp: 233074

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



#52

Toluene

Concen: 18.463 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060147.D

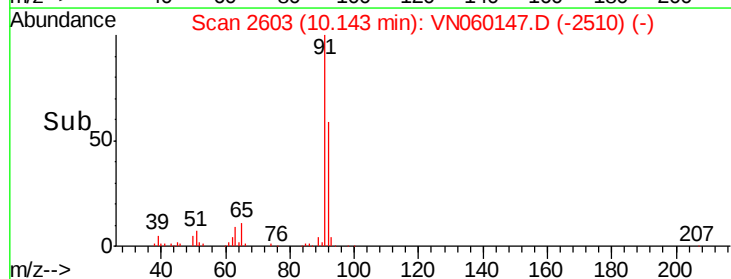
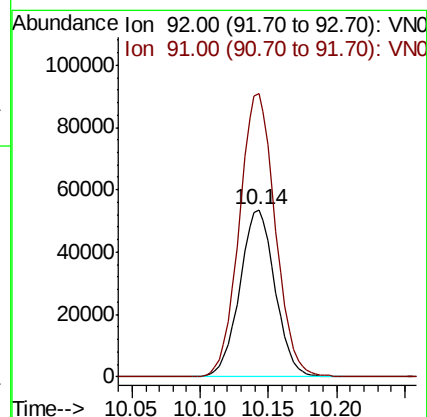
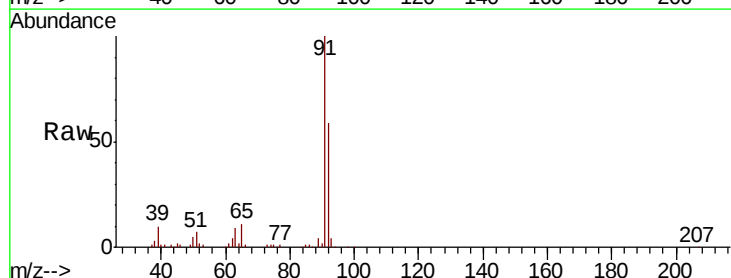
Acq: 19 Feb 2020 11:53

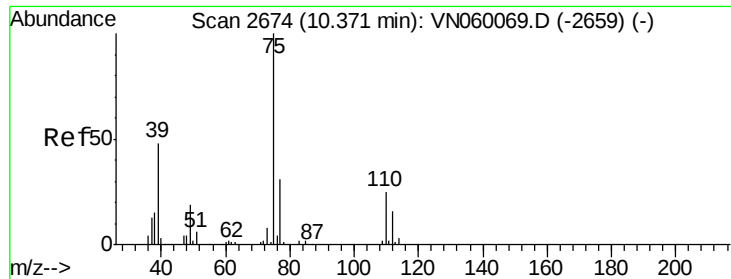
Tgt Ion: 92 Resp: 96078

Ion Ratio Lower Upper

92 100

91 173.1 140.9 211.3

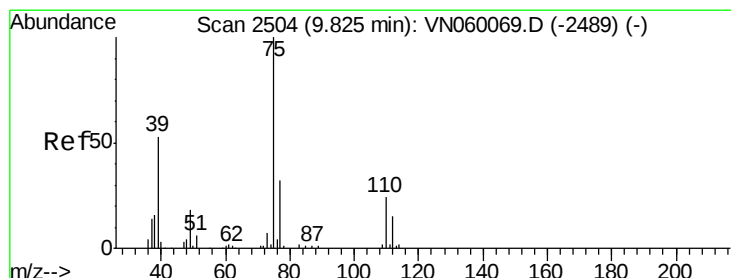
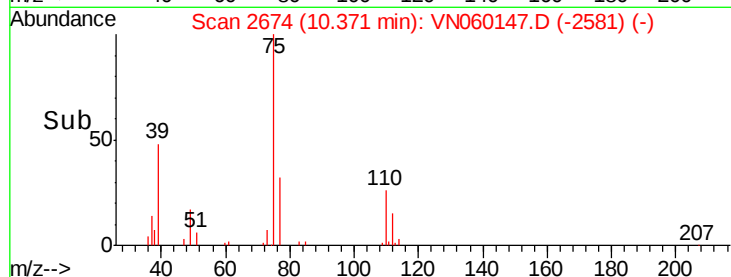
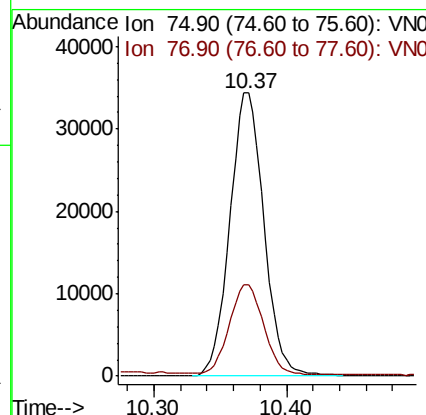
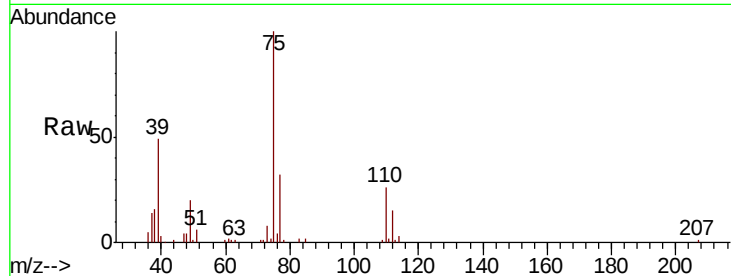




#53
t-1,3-Dichloropropene
Concen: 18.849 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

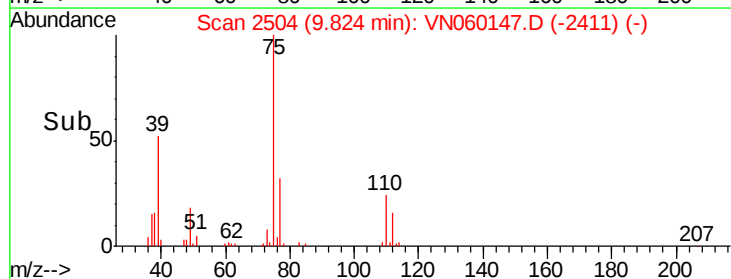
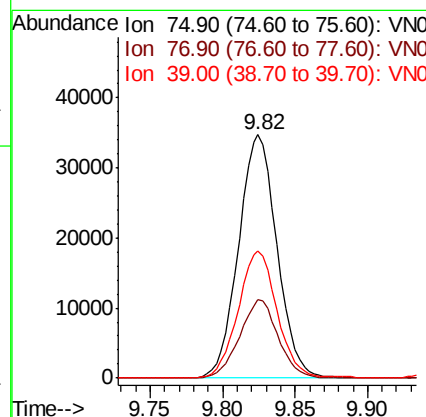
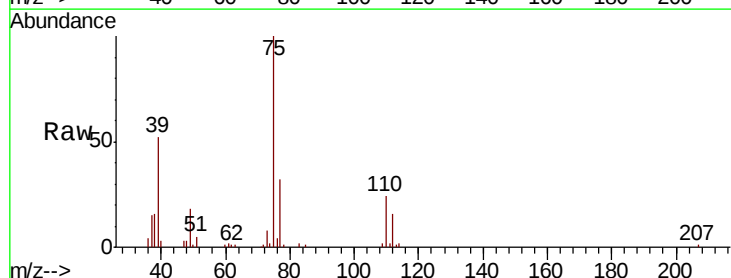
Instrument :
MSVOA_N
ClientSampled :

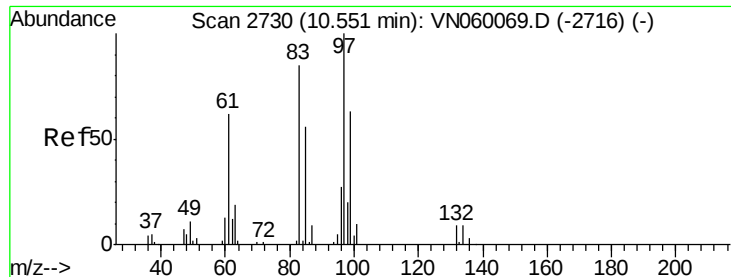
Tot Ion: 75 Resp: 61410
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 18.645 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 75 Resp: 63966
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
39 52.2 42.2 63.4

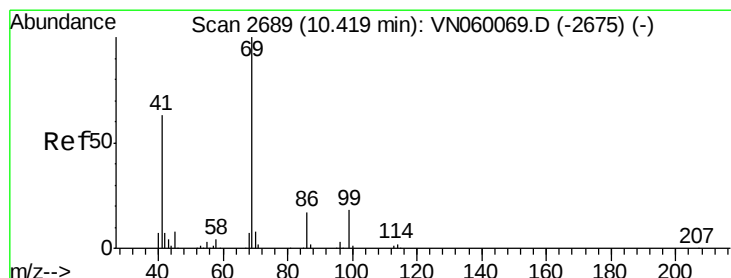
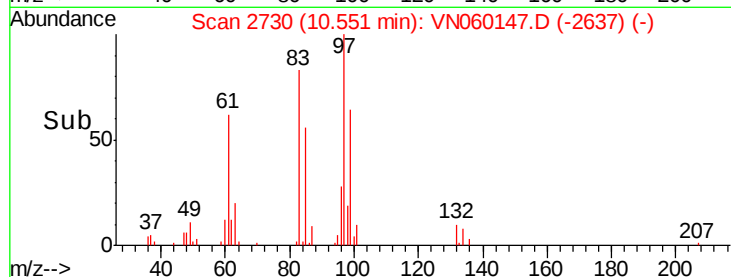
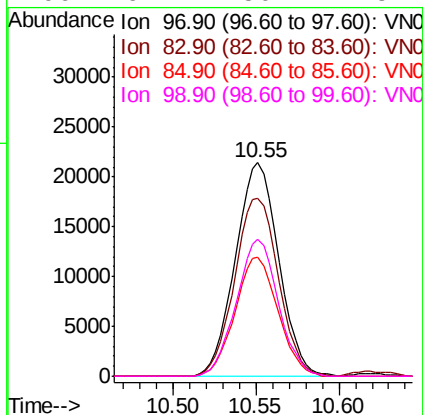
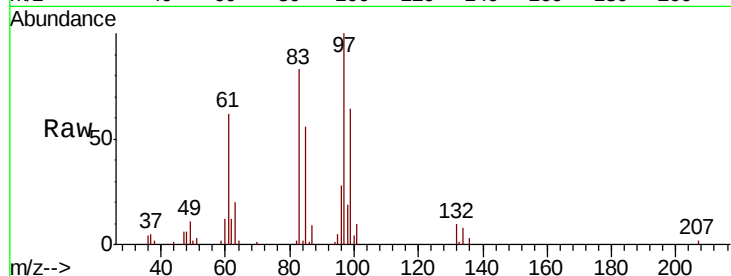




#55
 1,1,2-Trichloroethane
 Concen: 19.187 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

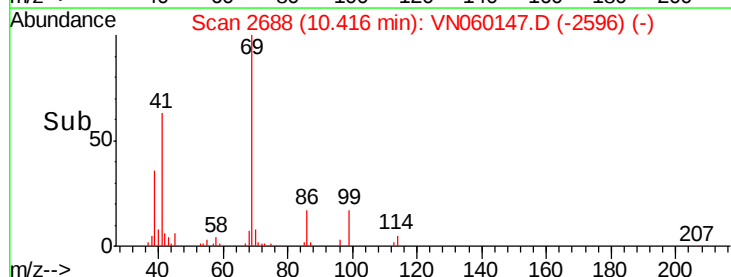
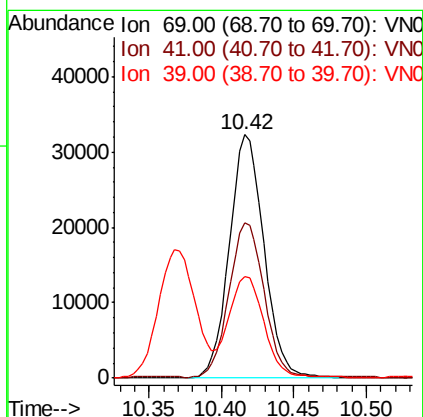
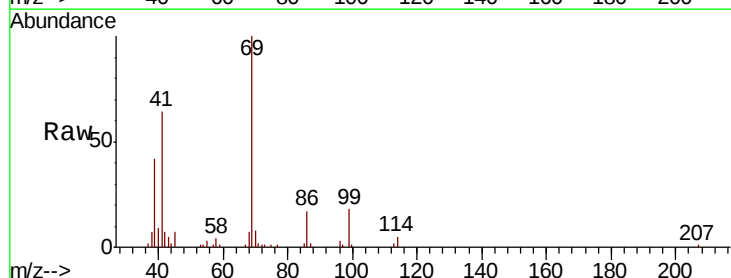
Instrument :
 MSVOA_N
 ClientSampleId :

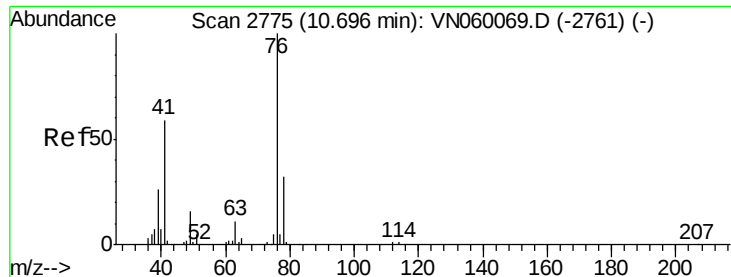
Tot Ion:	97	Resp:	38952
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.9	101.9
85	55.6	44.6	67.0
99	64.1	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 18.642 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion:	69	Resp:	53537
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.1	76.7
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 18.623 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

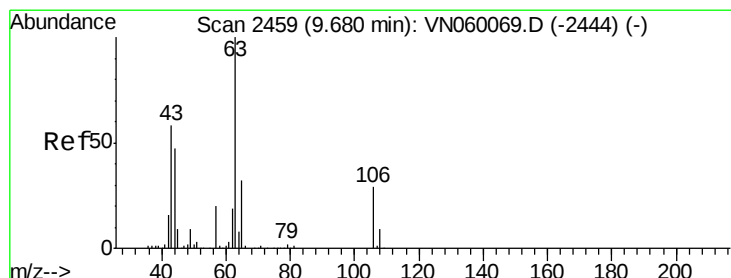
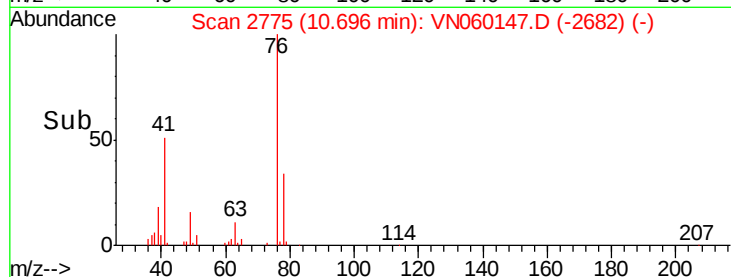
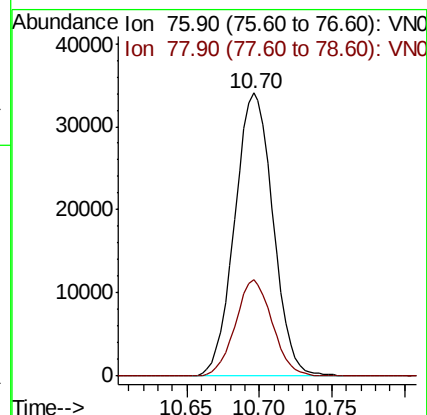
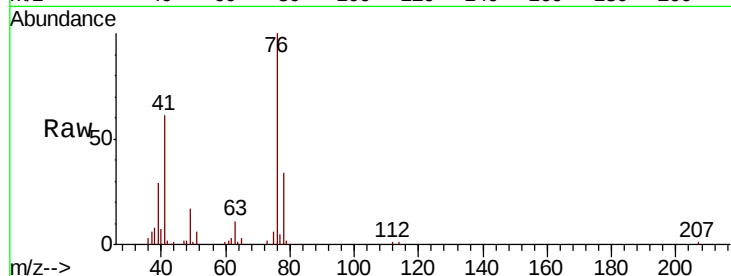
ClientSampleId :

Tot Ion: 76 Resp: 62382

Ion Ratio Lower Upper

76 100

78 32.7 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 96.338 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060147.D

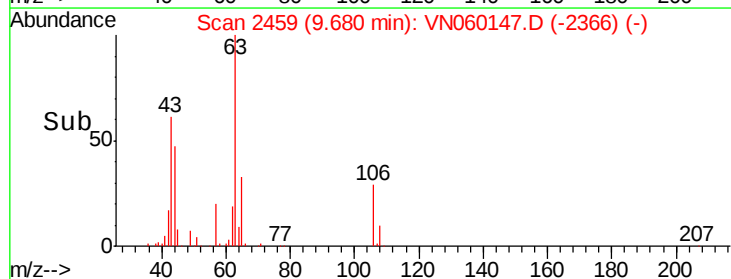
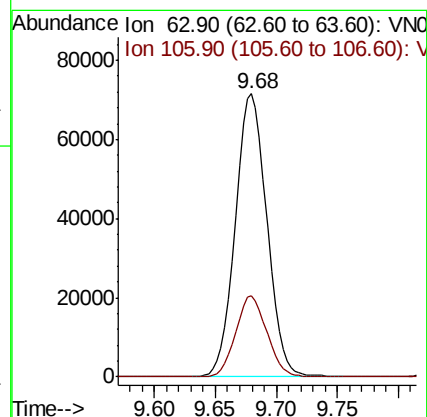
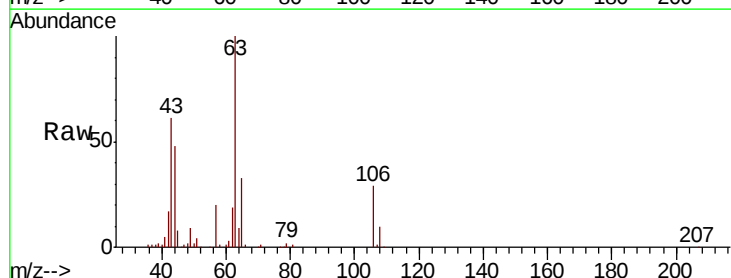
Acq: 19 Feb 2020 11:53

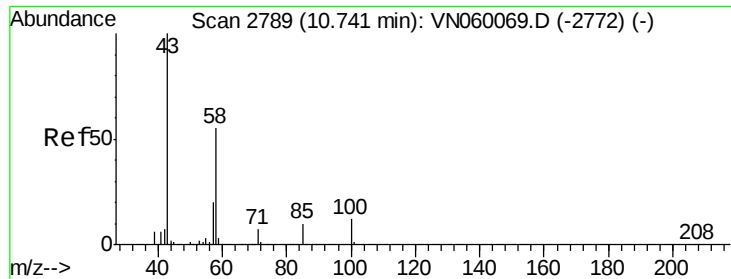
Tgt Ion: 63 Resp: 128890

Ion Ratio Lower Upper

63 100

106 28.2 22.9 34.3

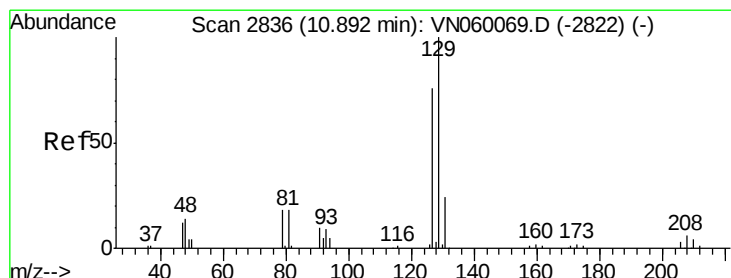
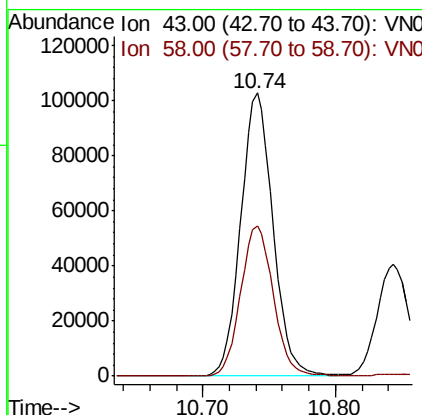
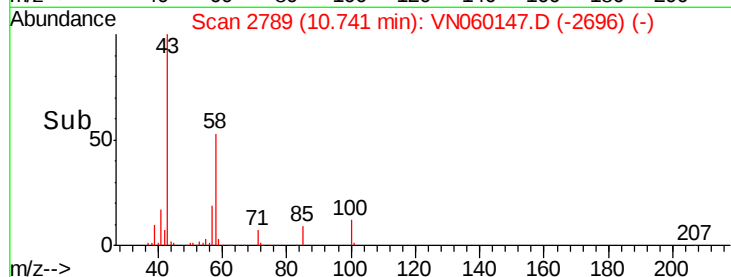
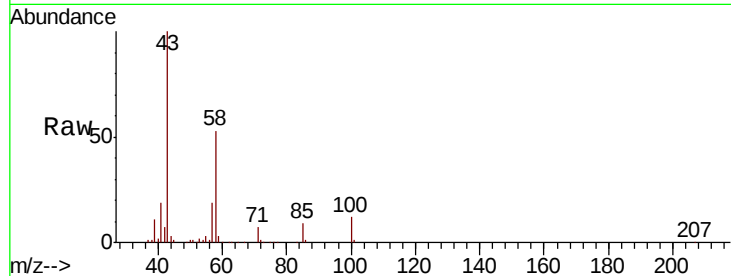




#59
2-Hexanone
Concen: 91.794 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

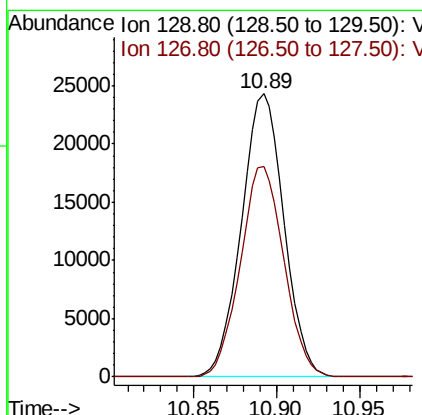
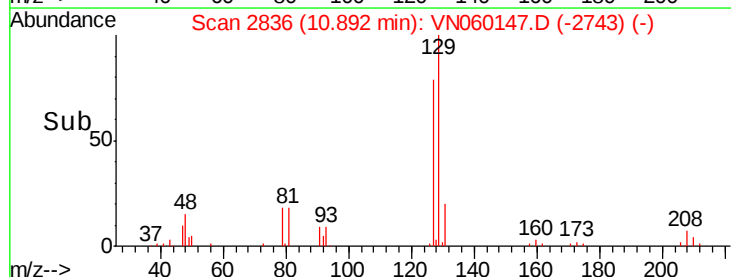
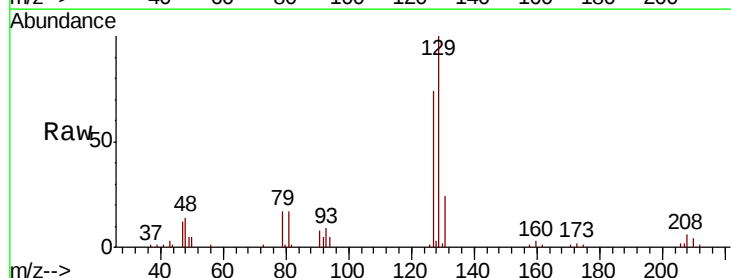
Instrument :
MSVOA_N
ClientSampled :

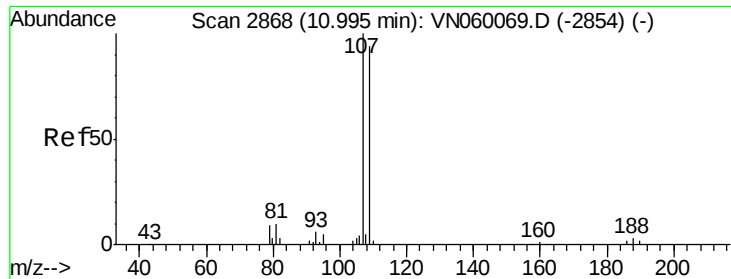
Tot Ion: 43 Resp: 173458
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4



#60
Dibromochloromethane
Concen: 18.667 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 129 Resp: 43487
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1

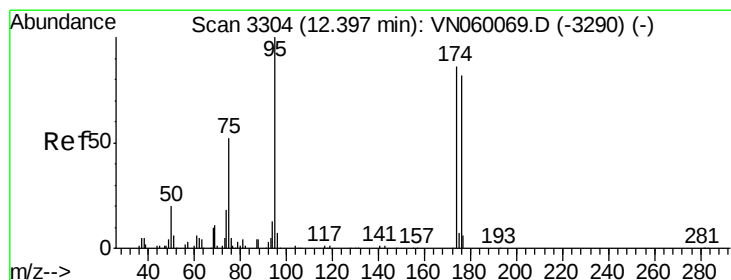
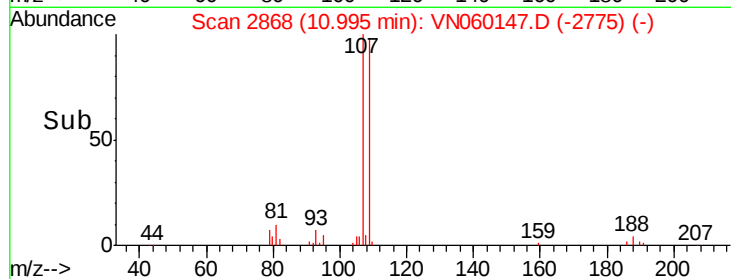
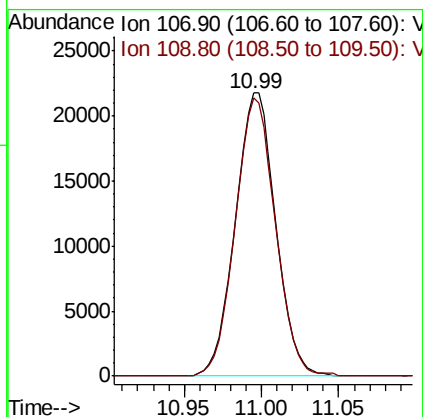
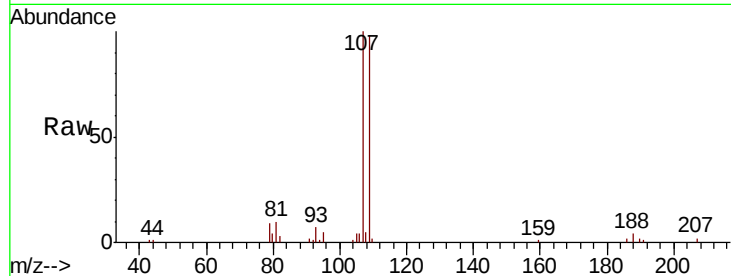




#61
1,2-Dibromoethane
Concen: 18.557 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

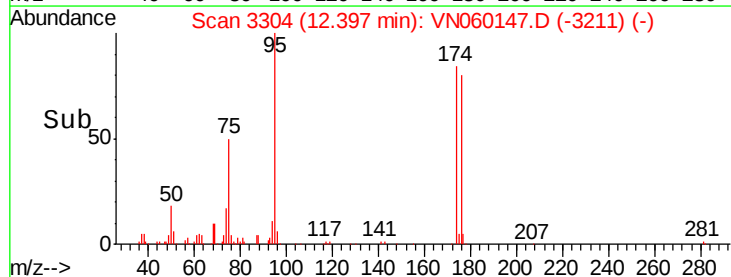
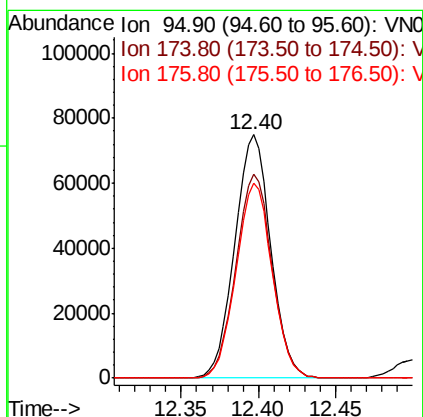
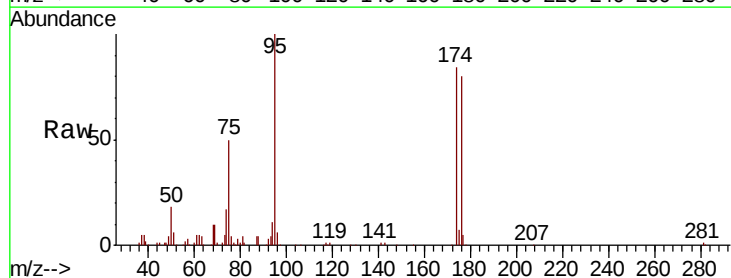
Instrument :
MSVOA_N
ClientSampleId :

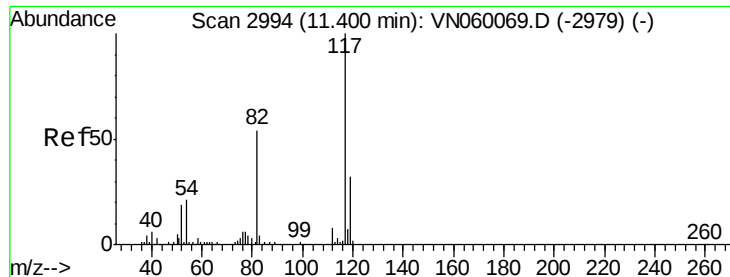
Tot Ion:107 Resp: 39492
Ion Ratio Lower Upper
107 100
109 97.4 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 45.929 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 95 Resp: 120655
Ion Ratio Lower Upper
95 100
174 84.7 0.0 169.8
176 80.9 0.0 164.8

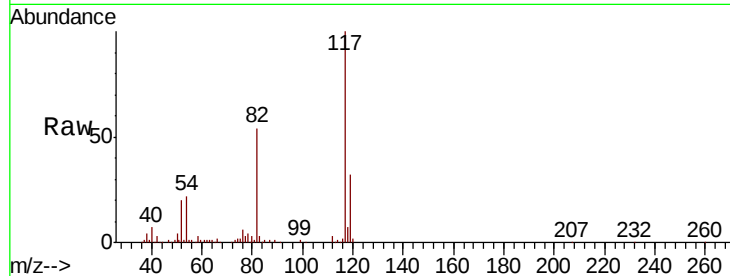




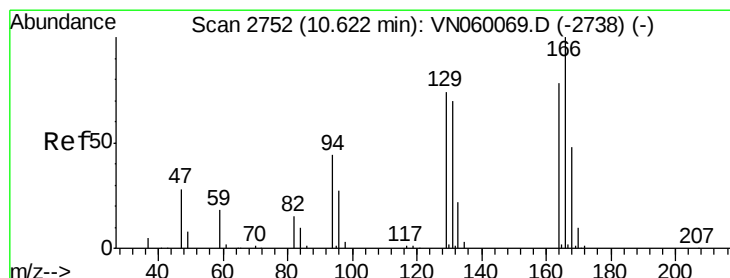
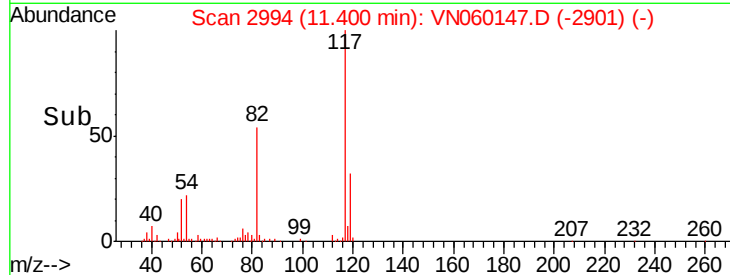
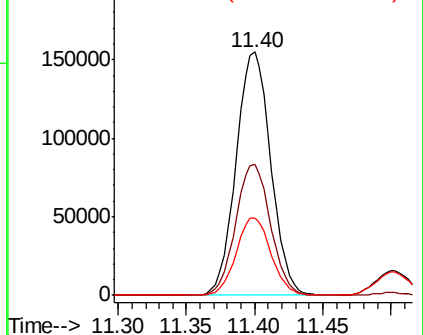
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 273864
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 31.9 25.8 38.6

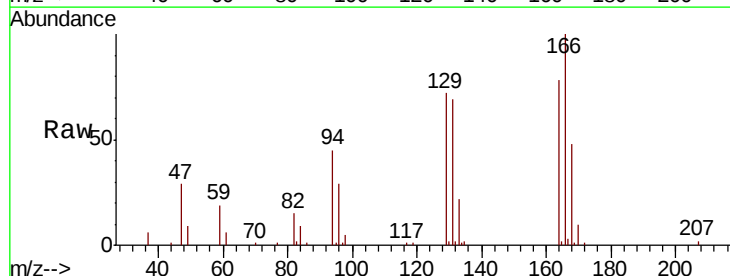


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

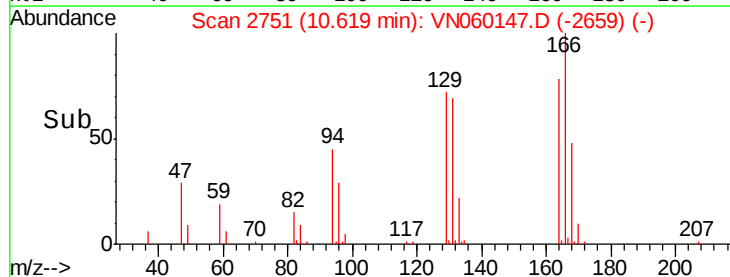
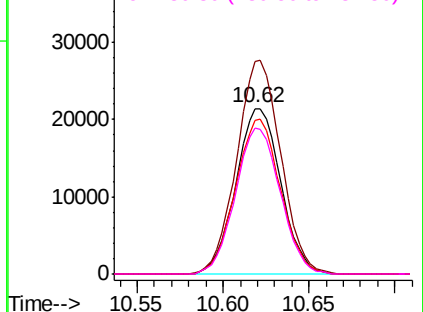


#64
Tetrachloroethene
Concen: 18.606 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:164 Resp: 38736
Ion Ratio Lower Upper
164 100
166 128.6 101.9 152.9
129 92.7 75.4 113.0
131 88.1 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

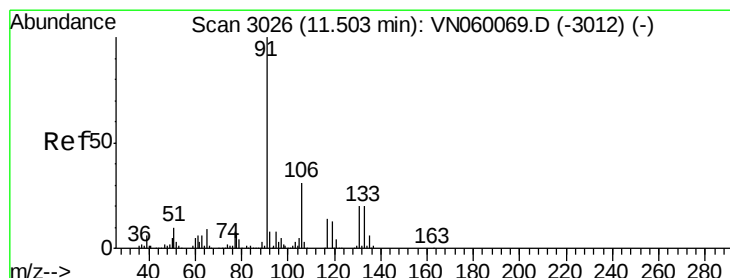
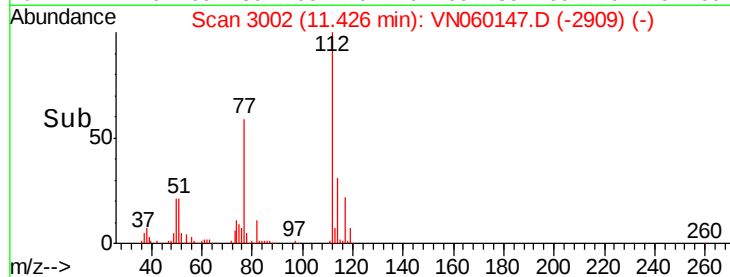
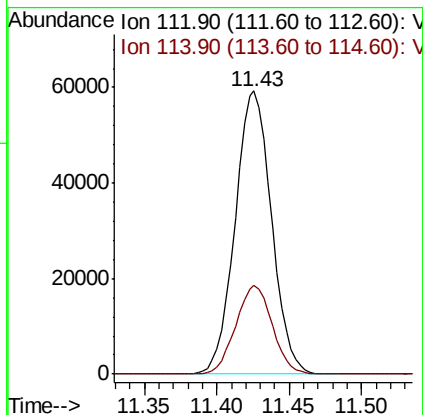
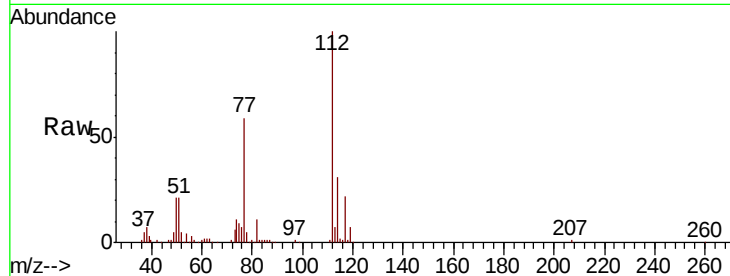




#65
Chlorobenzene
Concen: 18.489 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

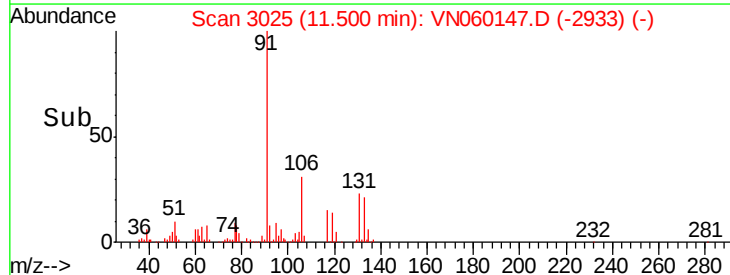
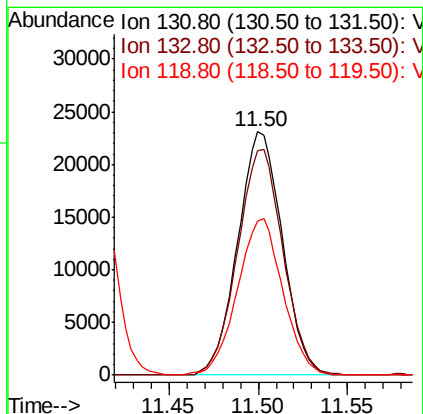
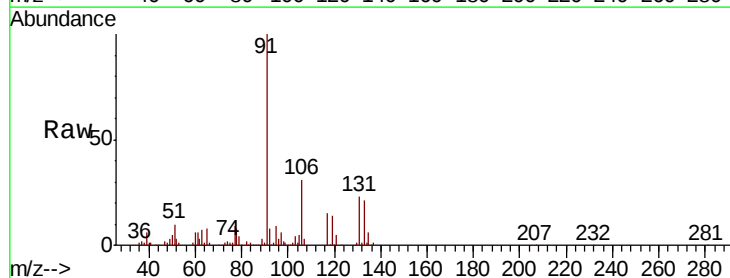
Instrument :
MSVOA_N
ClientSampleId :

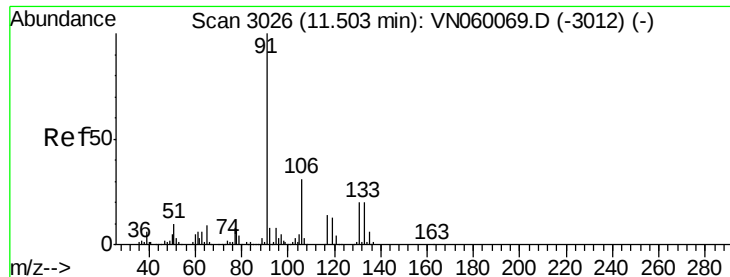
Tot Ion:112 Resp: 103158
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.078 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:131 Resp: 40268
Ion Ratio Lower Upper
131 100
133 95.0 47.9 143.7
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 18.468 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

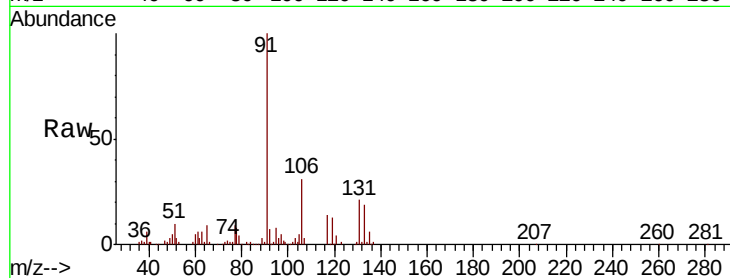
ClientSampleId :

Tot Ion: 91 Resp: 185843

Ion Ratio Lower Upper

91 100

106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060147.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060147.D (-2933) (-)

150000

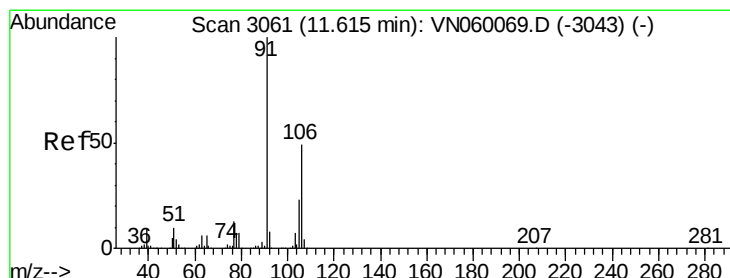
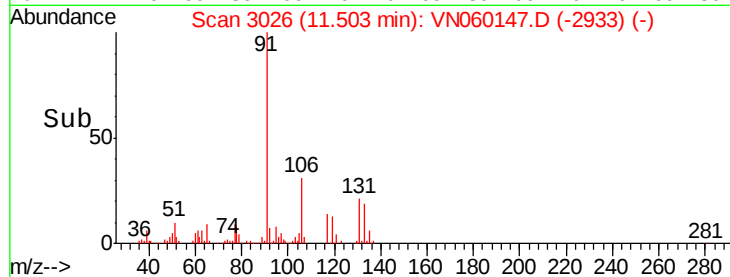
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 36.968 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060147.D

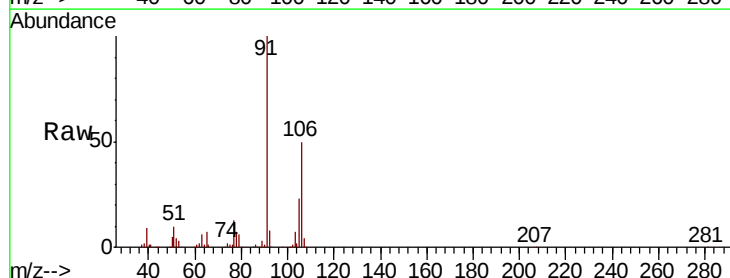
Acq: 19 Feb 2020 11:53

Tgt Ion: 106 Resp: 139624

Ion Ratio Lower Upper

106 100

91 200.1 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060147.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060147.D (-2968) (-)

150000

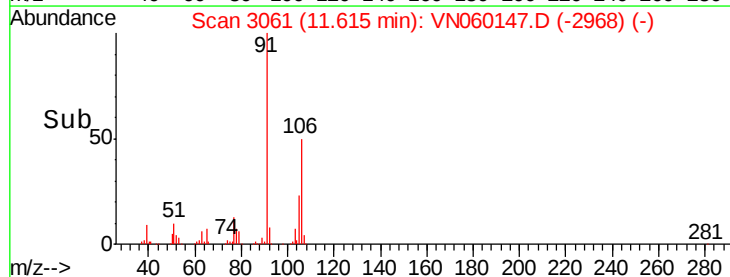
100000

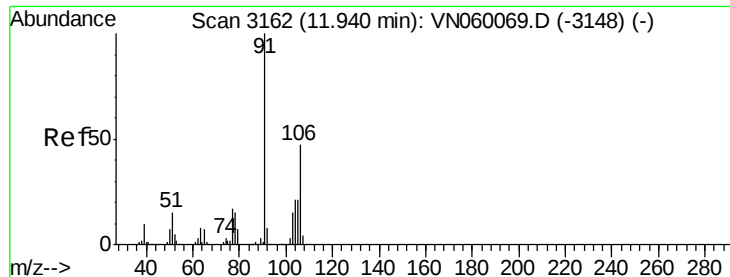
50000

0

11.55 11.60 11.65 11.70

Time-->

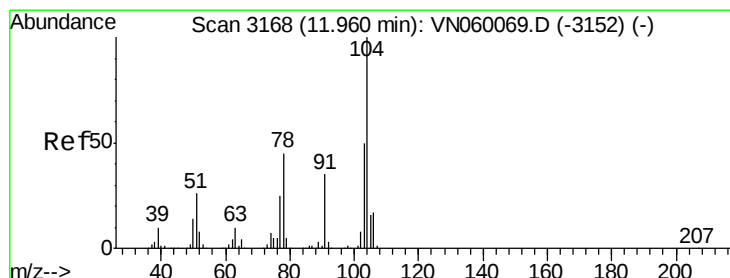
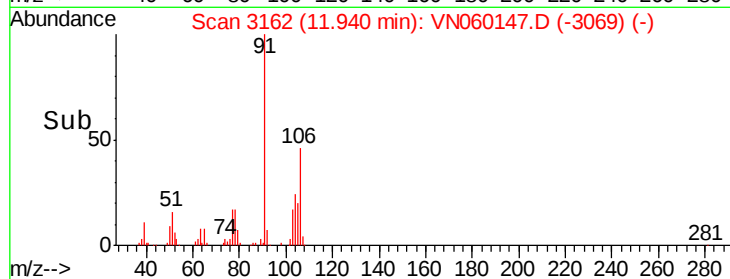
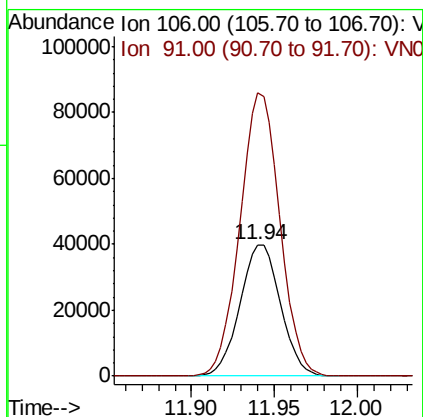
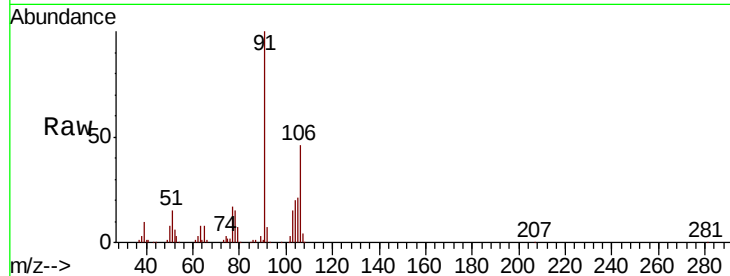




#69
o-Xylene
Concen: 18.578 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

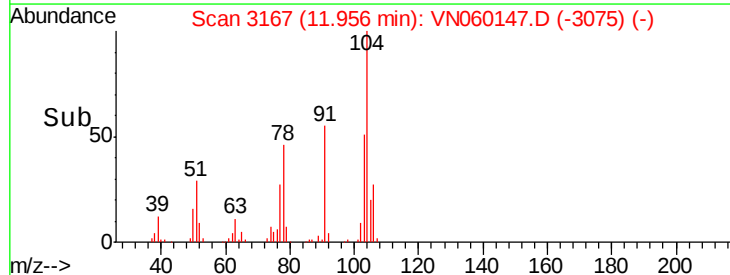
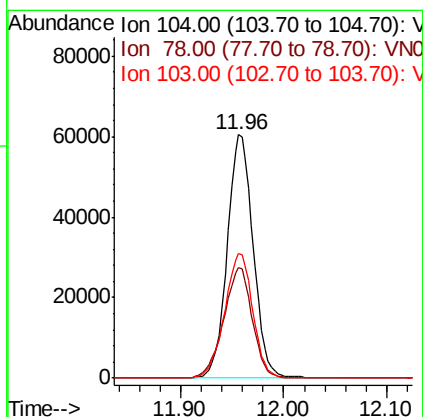
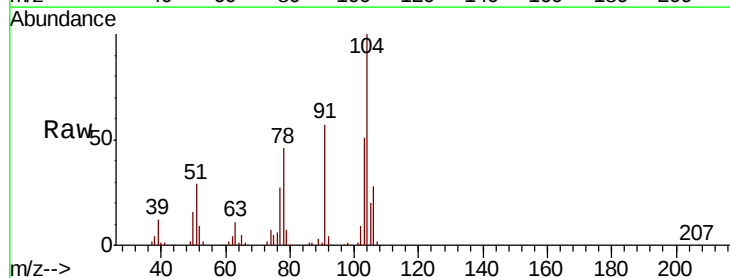
Instrument :
MSVOA_N
ClientSampled :

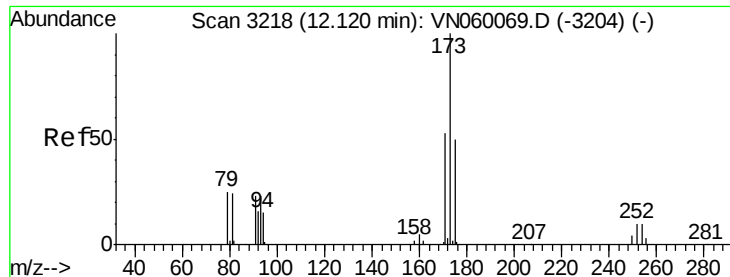
Tot Ion:106 Resp: 67560
Ion Ratio Lower Upper
106 100
91 212.7 107.2 321.6



#70
Styrene
Concen: 18.058 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:104 Resp: 105896
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 55.2 44.3 66.5

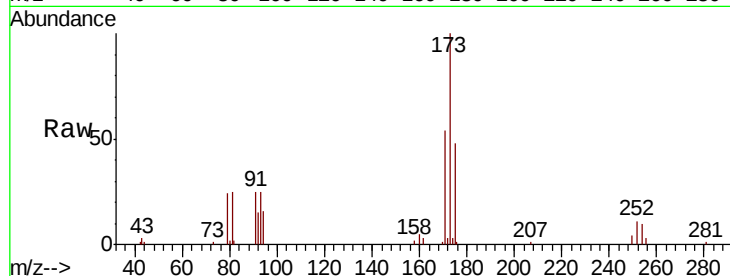




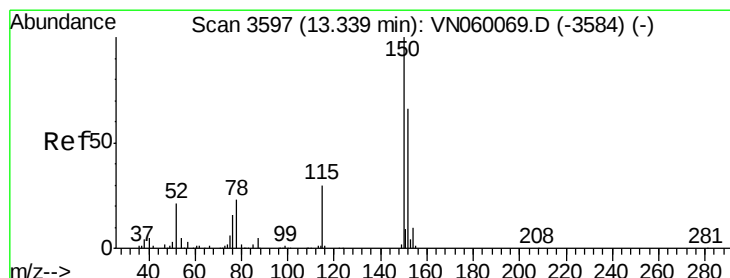
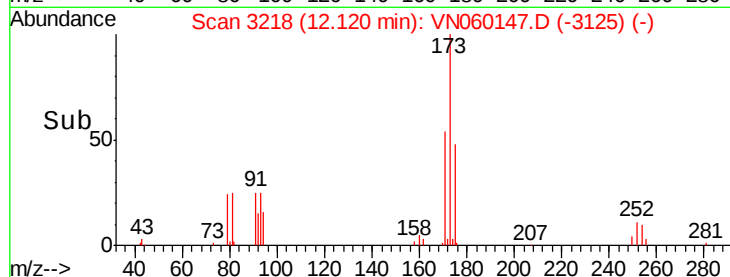
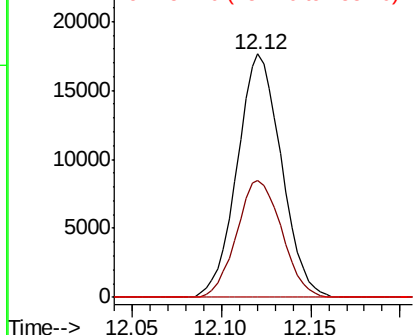
#71
Bromoform
Concen: 17.949 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 30472
Ion Ratio Lower Upper
173 100
175 49.1 24.9 74.6
254 0.0 0.0 0.0

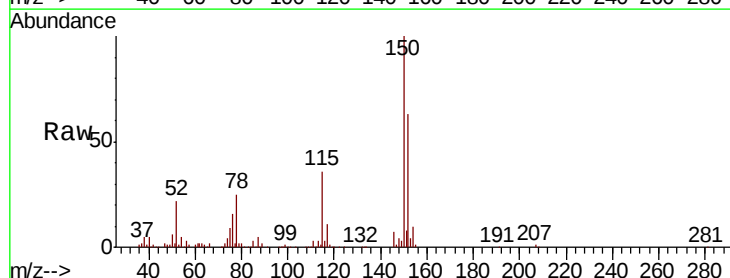


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

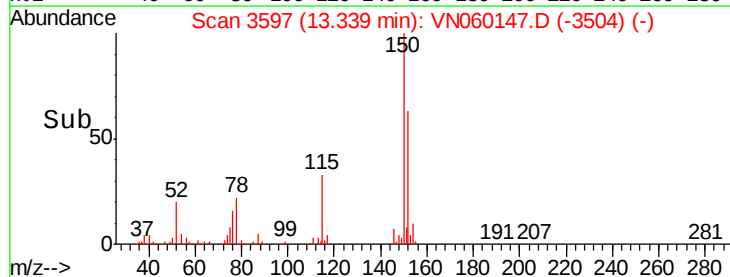
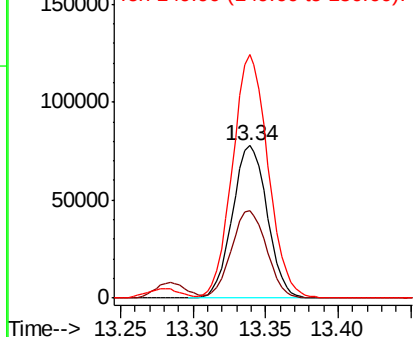


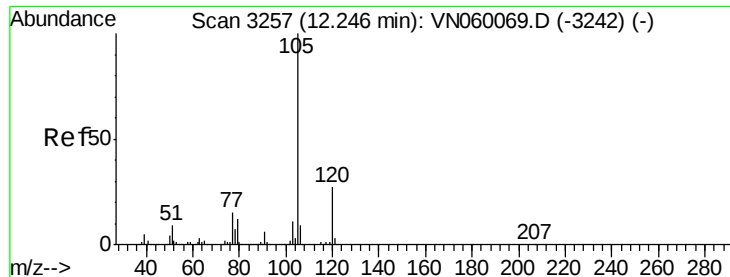
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:152 Resp: 129794
Ion Ratio Lower Upper
152 100
115 58.1 28.9 86.8
150 163.8 0.0 342.4



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





#73

Isopropylbenzene

Concen: 18.751 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

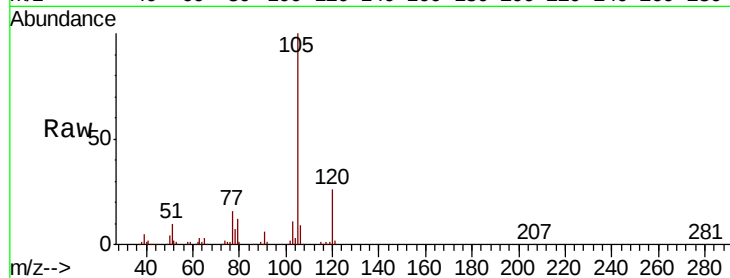
ClientSampleId :

Tot Ion:105 Resp: 181737

Ion Ratio Lower Upper

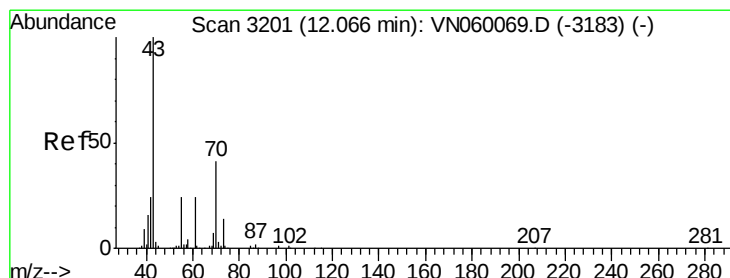
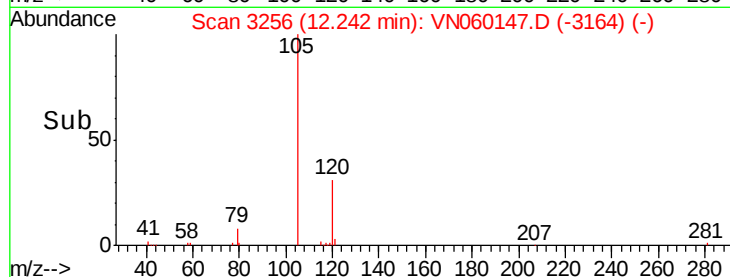
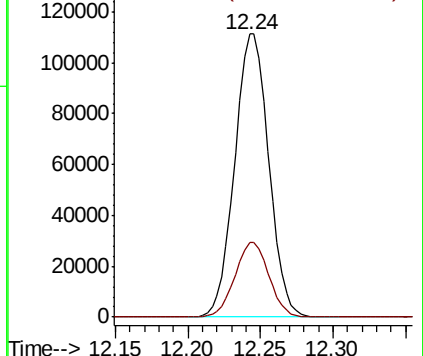
105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.455 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Tgt Ion: 43 Resp: 67994

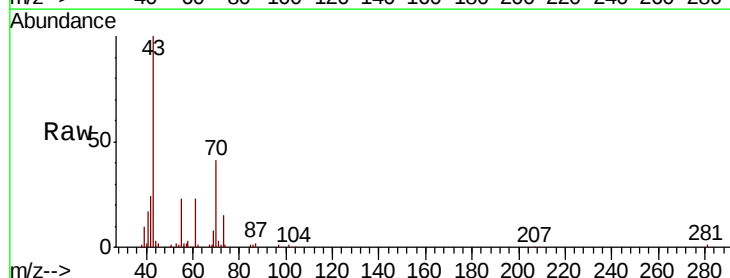
Ion Ratio Lower Upper

43 100

70 41.7 33.4 50.0

55 23.9 18.8 28.2

61 22.8 19.2 28.8

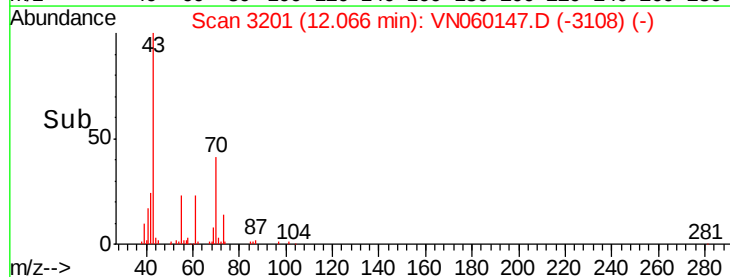
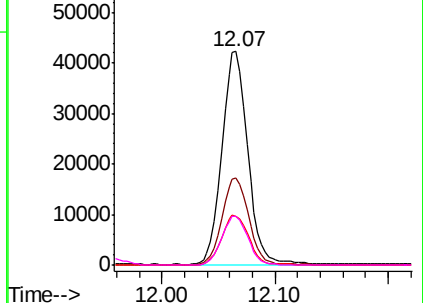


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.881 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

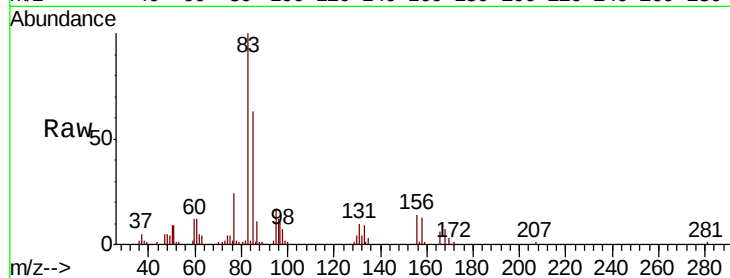
Tot Ion: 83 Resp: 55465

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

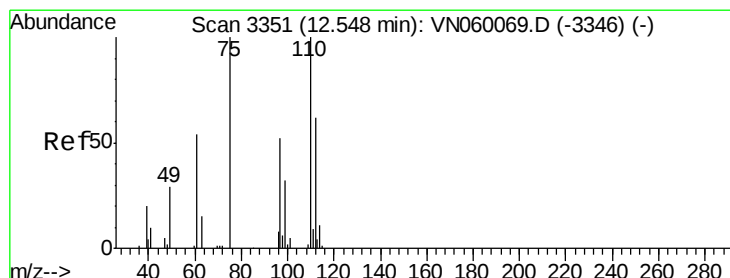
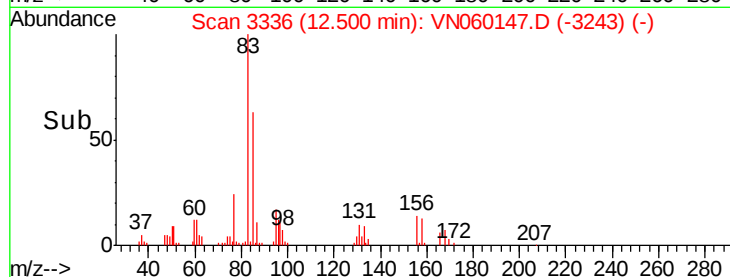
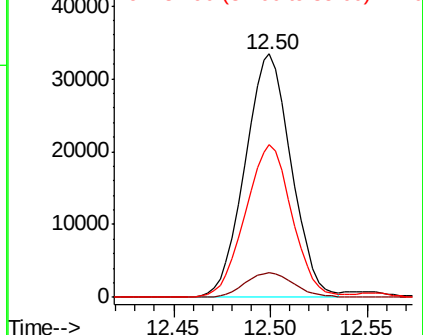
85 63.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN060147.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060147.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060147.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 29.435 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060147.D

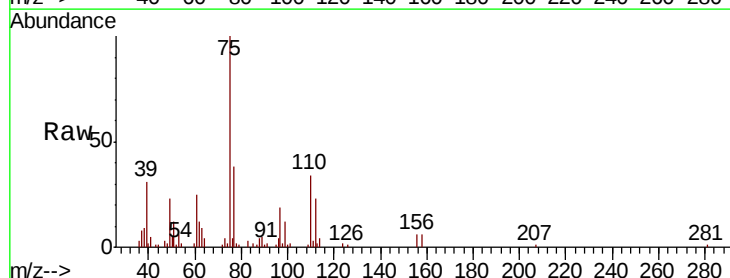
Acq: 19 Feb 2020 11:53

Tgt Ion: 75 Resp: 73094

Ion Ratio Lower Upper

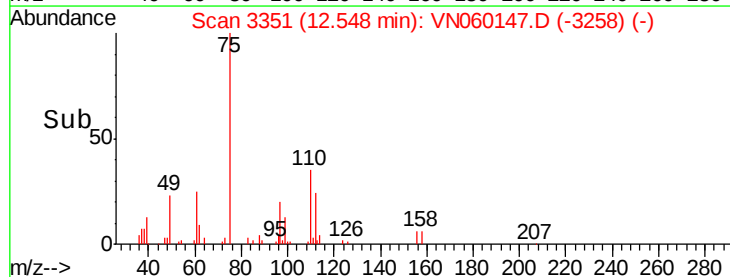
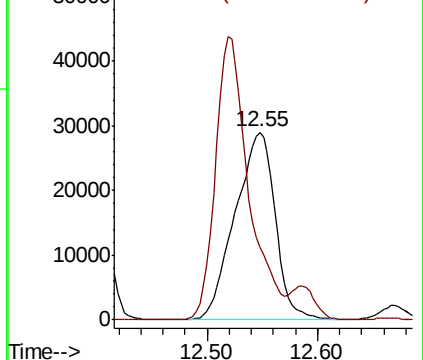
75 100

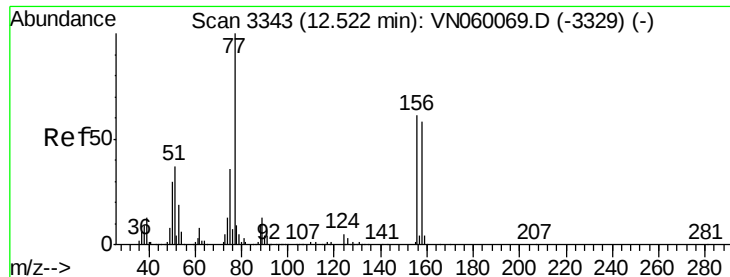
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060147.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060147.D (-3258) (-)





#77

Bromobenzene

Concen: 18.806 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampled :

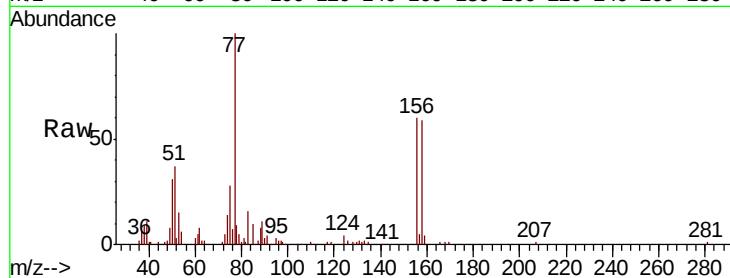
Tot Ion:156 Resp: 45234

Ion Ratio Lower Upper

156 100

77 200.9 98.7 296.1

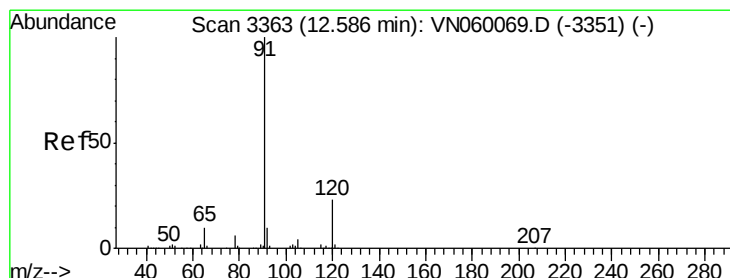
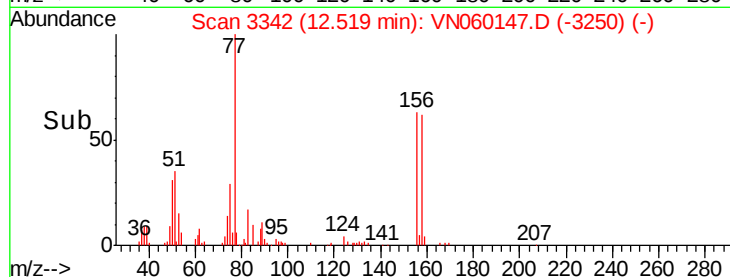
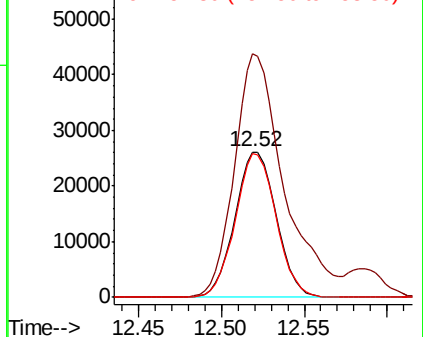
158 97.5 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.629 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060147.D

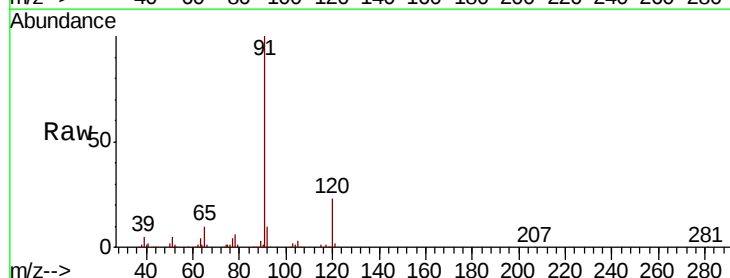
Acq: 19 Feb 2020 11:53

Tgt Ion: 91 Resp: 205714

Ion Ratio Lower Upper

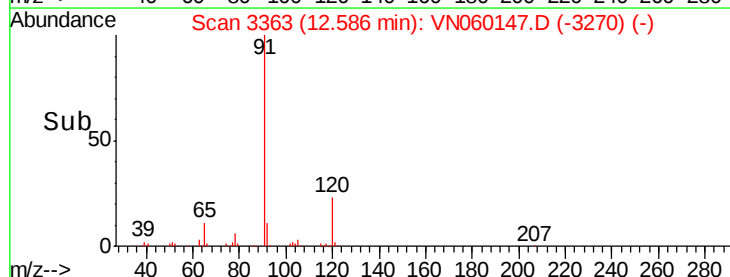
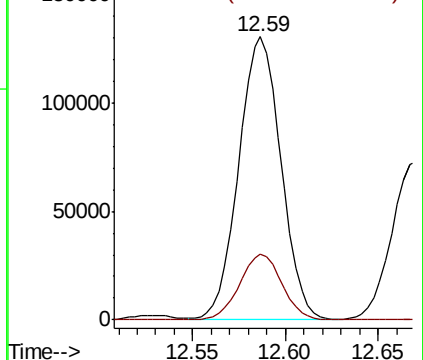
91 100

120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.584 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

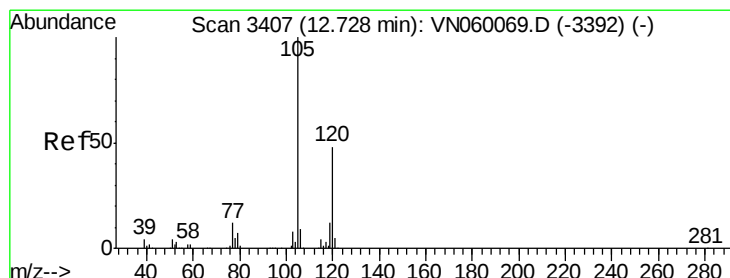
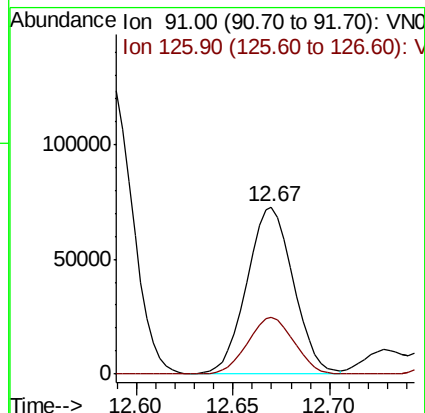
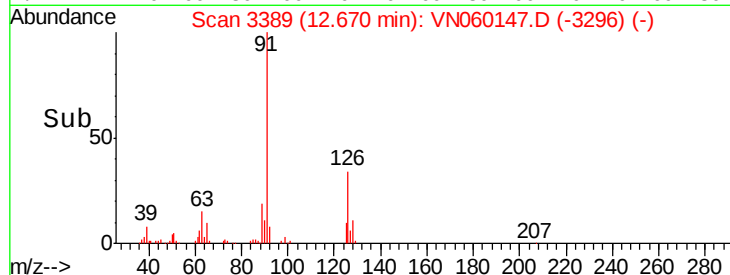
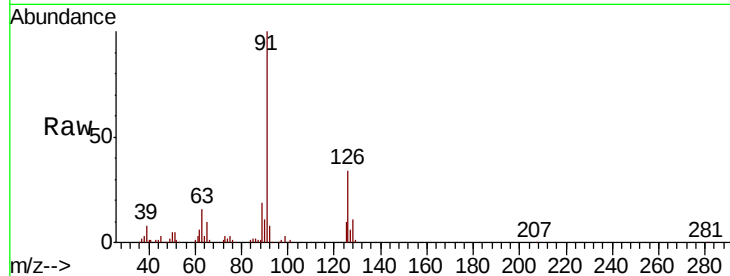
ClientSampled :

Tot Ion: 91 Resp: 120619

Ion Ratio Lower Upper

91 100

126 34.3 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 18.816 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060147.D

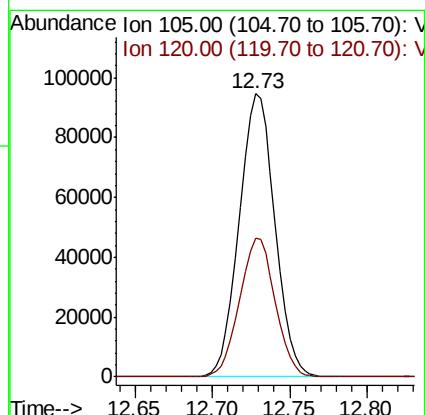
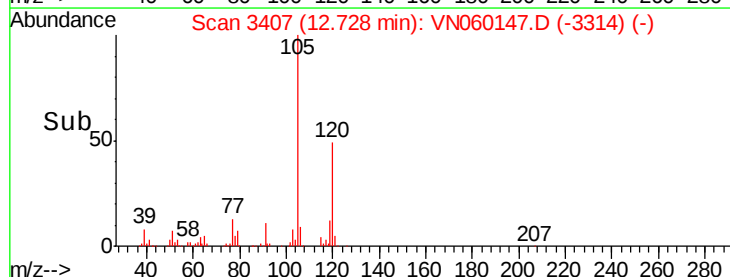
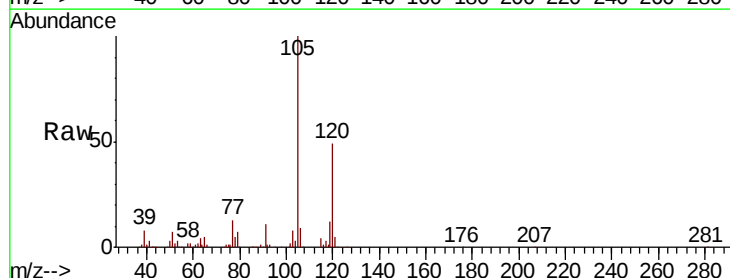
Acq: 19 Feb 2020 11:53

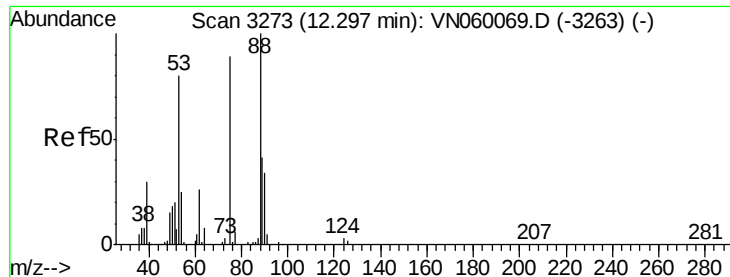
Tgt Ion: 105 Resp: 151637

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.513 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampled :

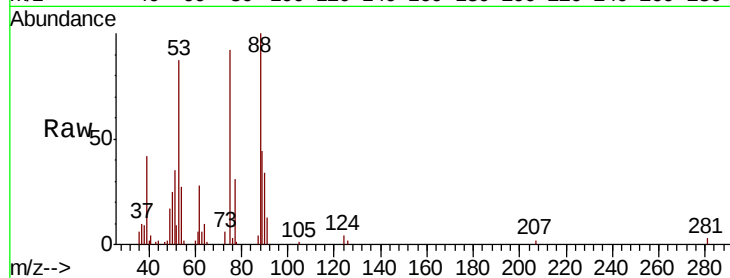
Tot Ion: 75 Resp: 18776

Ion Ratio Lower Upper

75 100

53 95.7 73.9 110.9

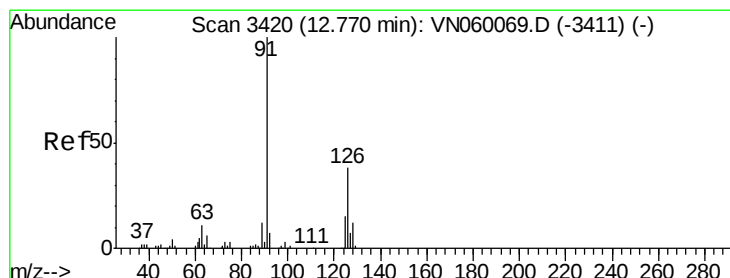
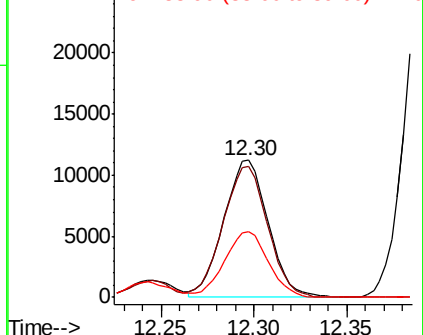
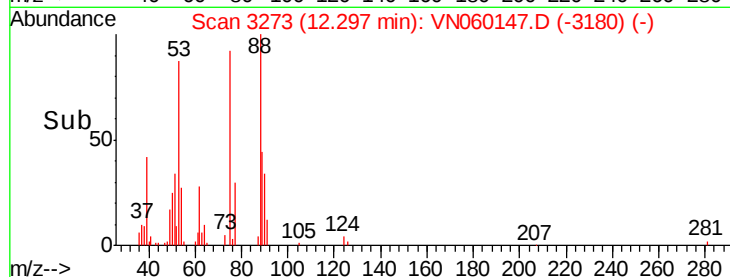
89 47.2 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VN060147.D (-3273) (-)

Ion 53.00 (52.70 to 53.70): VN060147.D (-3273) (-)

Ion 88.90 (88.60 to 89.60): VN060147.D (-3273) (-)



#82

4-Chlorotoluene

Concen: 18.610 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060147.D

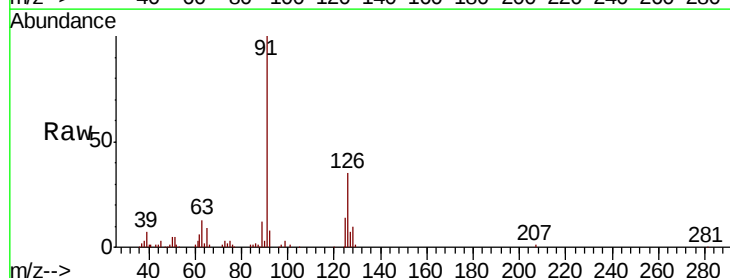
Acq: 19 Feb 2020 11:53

Tgt Ion: 91 Resp: 123926

Ion Ratio Lower Upper

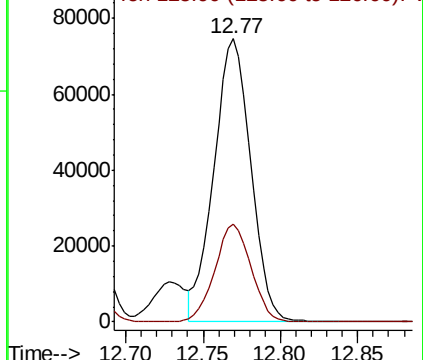
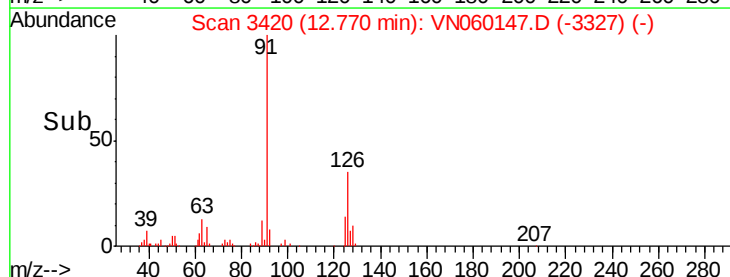
91 100

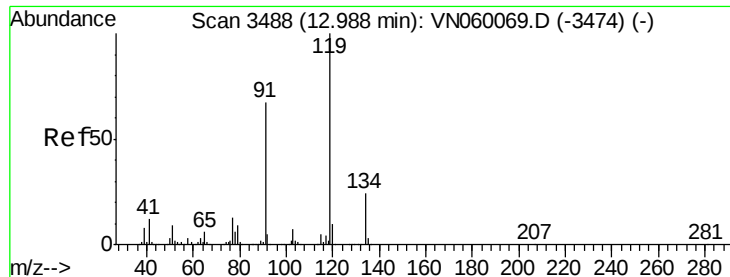
126 33.9 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VN060147.D (-3420) (-)

Ion 125.90 (125.60 to 126.60): VN060147.D (-3420) (-)

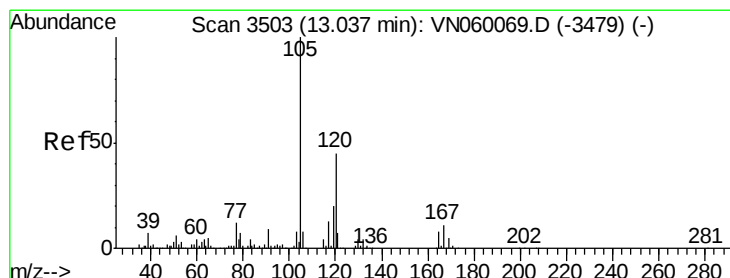
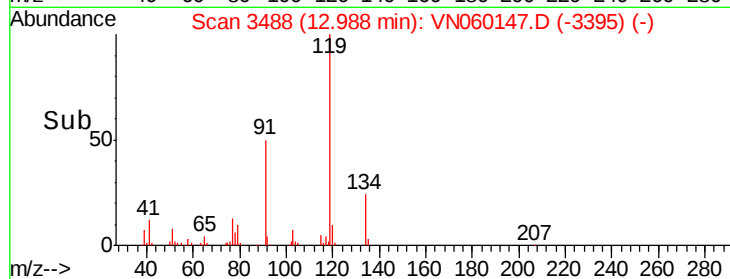
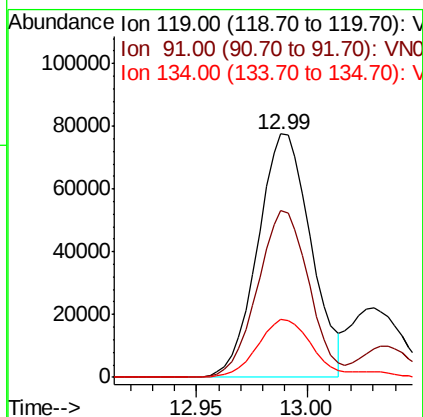
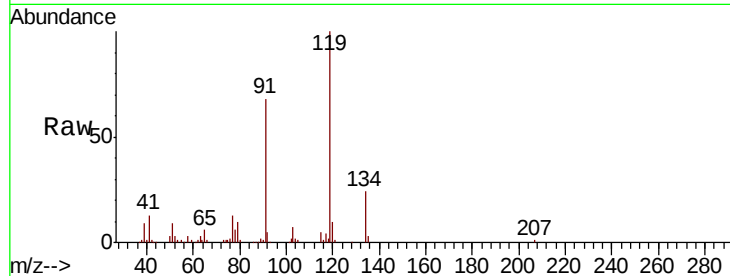




#83
tert-Butylbenzene
Concen: 18.192 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

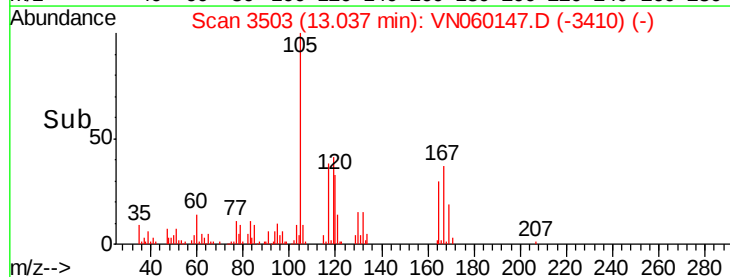
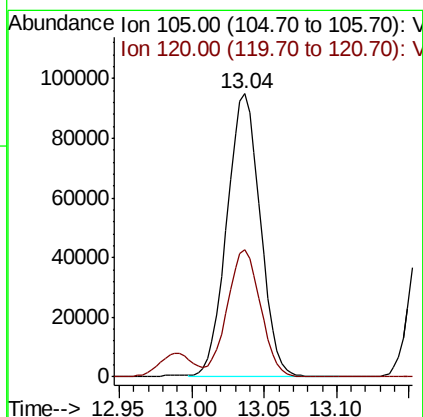
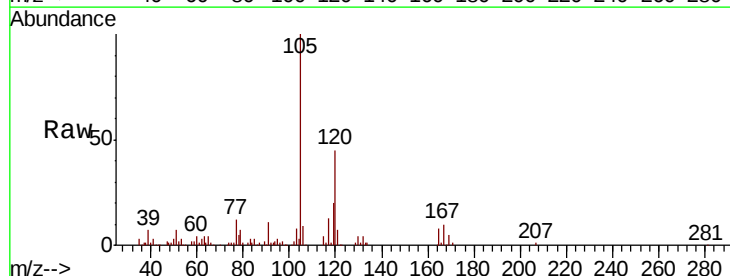
Instrument :
MSVOA_N
ClientSampled :

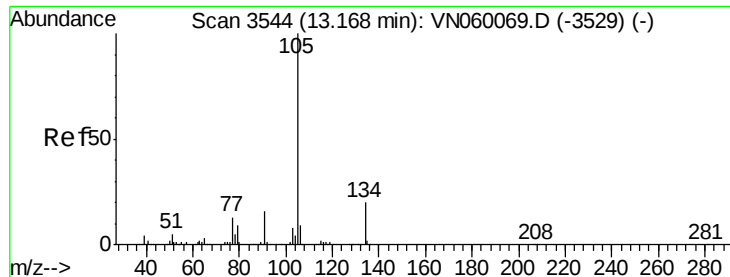
Tot Ion:119 Resp: 129689
Ion Ratio Lower Upper
119 100
91 66.2 32.7 98.1
134 26.0 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.037 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion:105 Resp: 151438
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.3

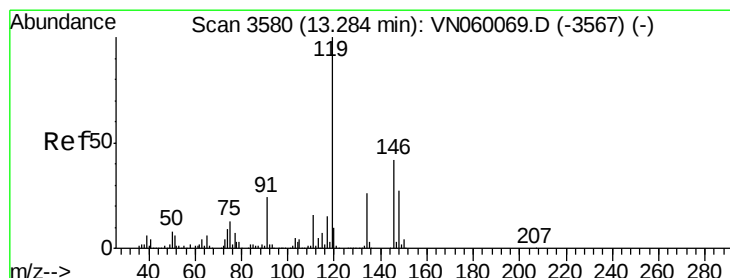
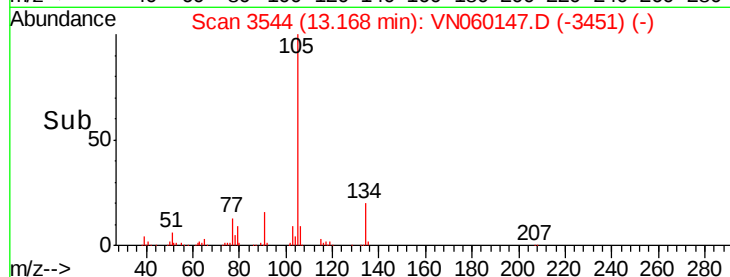
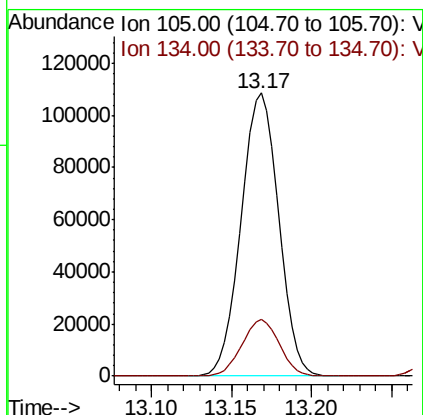
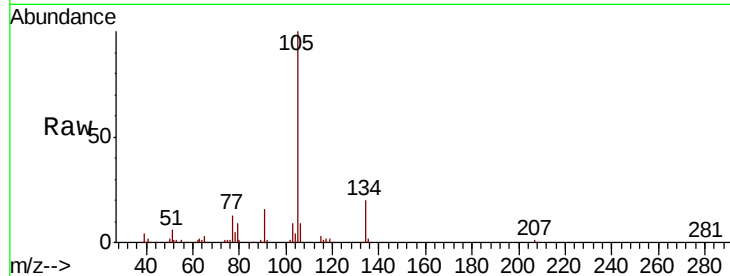




#85
 sec-Butylbenzene
 Concen: 18.397 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

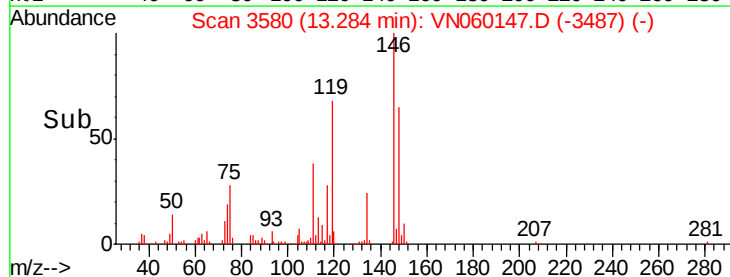
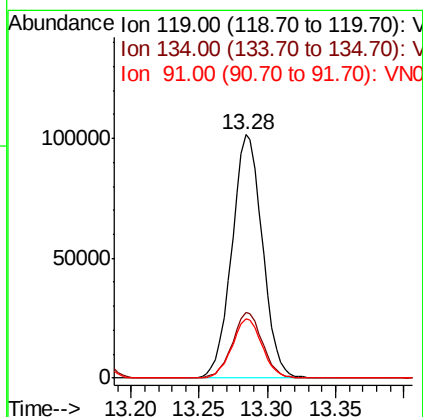
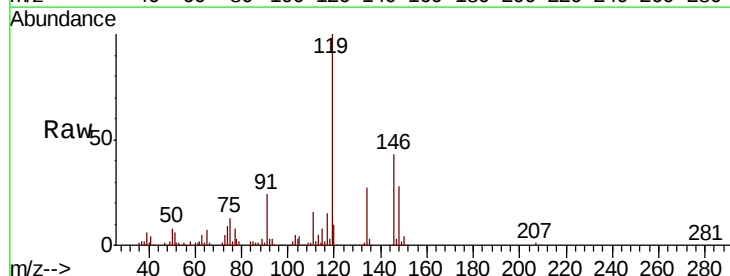
Instrument :
 MSVOA_N
 ClientSampled :

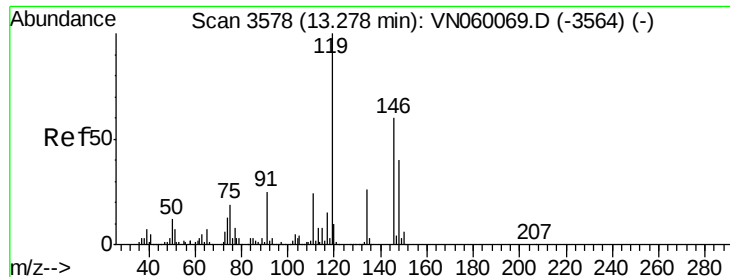
Tot Ion:105 Resp: 173694
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 18.444 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion:119 Resp: 157774
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 24.0 11.9 35.9

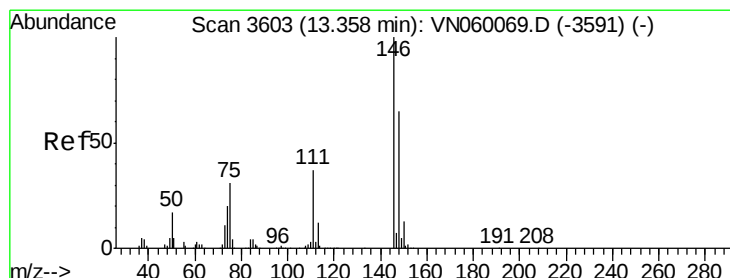
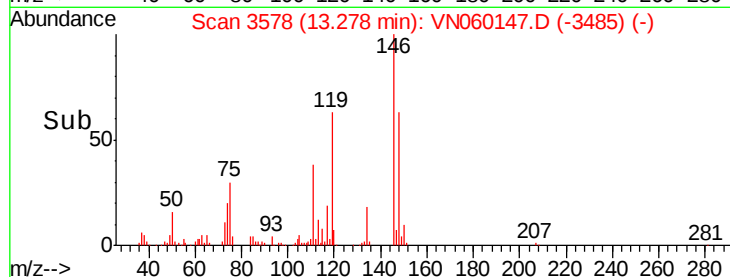
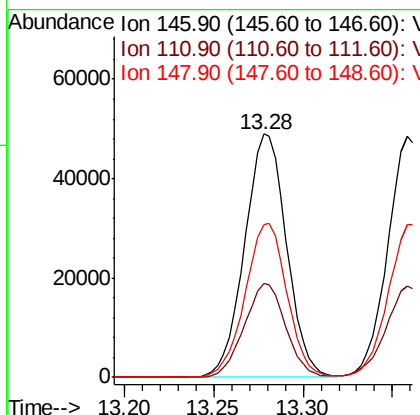
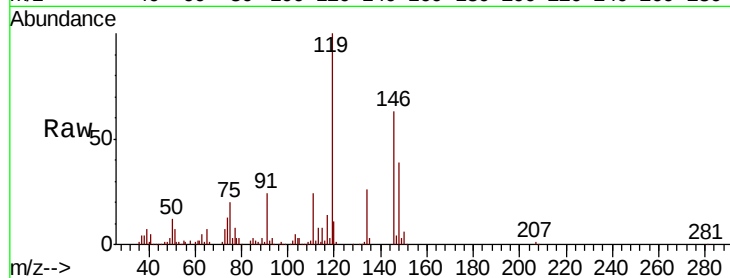




#87
 1,3-Dichlorobenzene
 Concen: 18.875 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

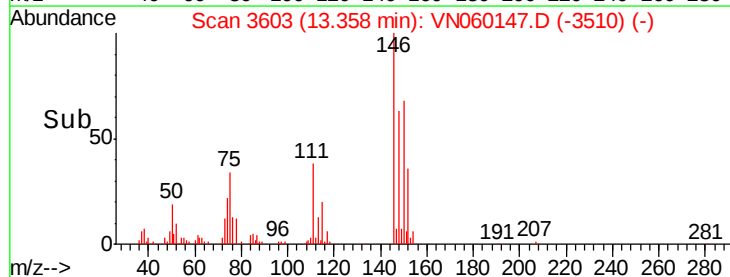
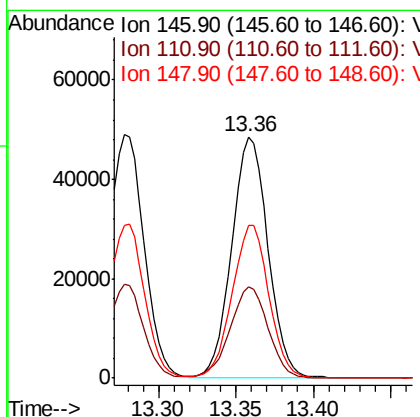
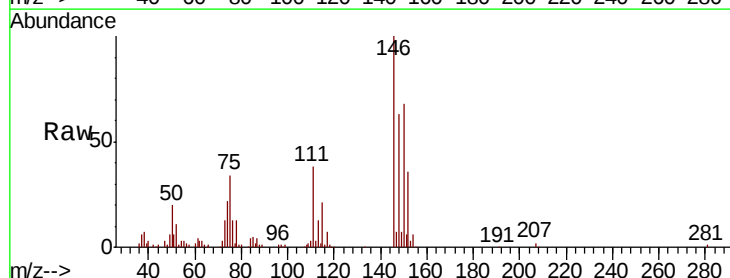
Instrument :
 MSVOA_N
 ClientSampleId :

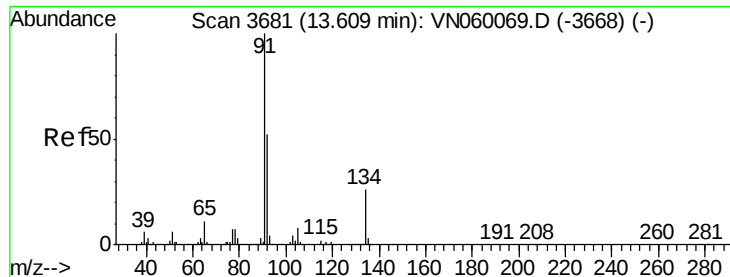
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.8	59.3
148	63.1	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.427 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.9	56.5
148	64.7	32.0	96.0

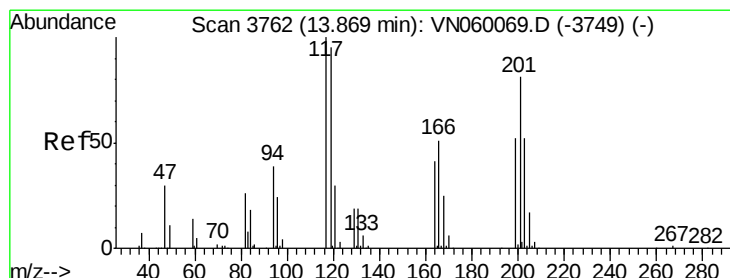
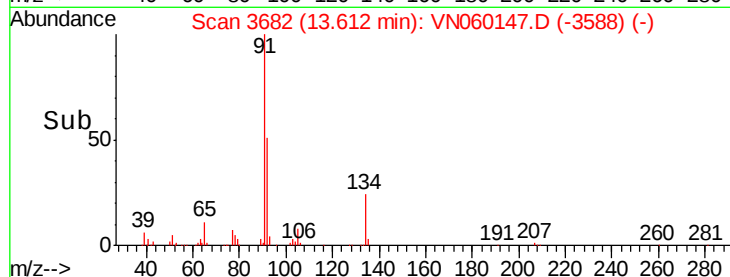
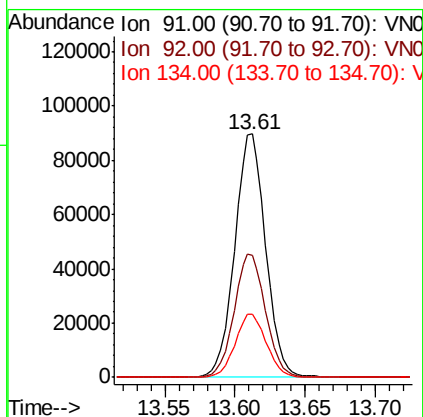
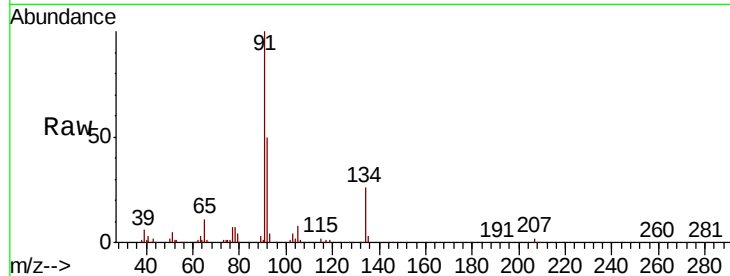




#89
n-Butylbenzene
Concen: 18.340 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

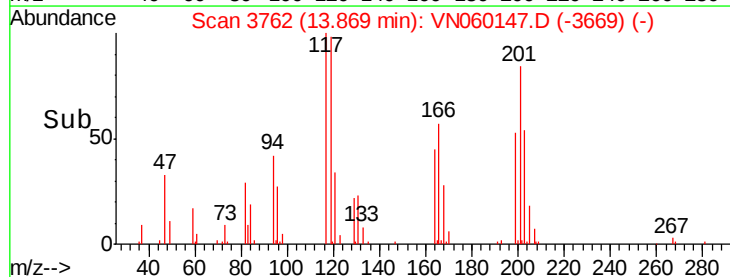
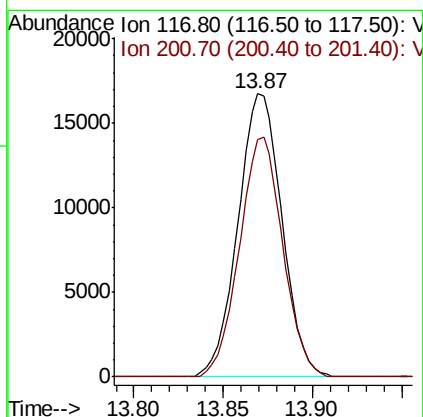
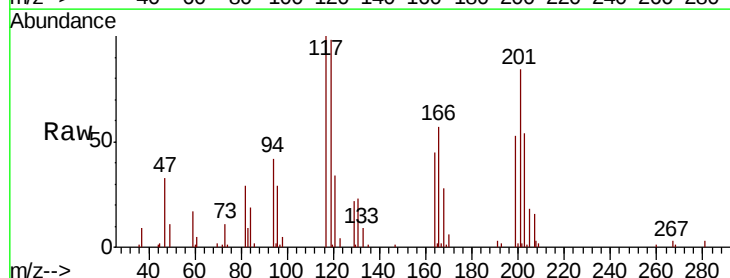
Instrument :
MSVOA_N
ClientSampleId :

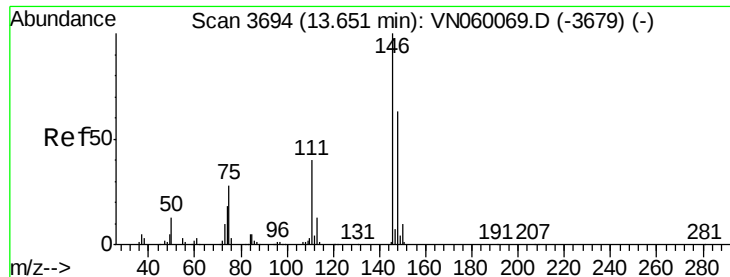
Tot Ion: 91 Resp: 137986
Ion Ratio Lower Upper
91 100
92 51.1 26.1 78.2
134 26.1 13.1 39.3



#90
Hexachloroethane
Concen: 18.073 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060147.D
Acq: 19 Feb 2020 11:53

Tgt Ion: 117 Resp: 28882
Ion Ratio Lower Upper
117 100
201 83.3 41.7 125.1

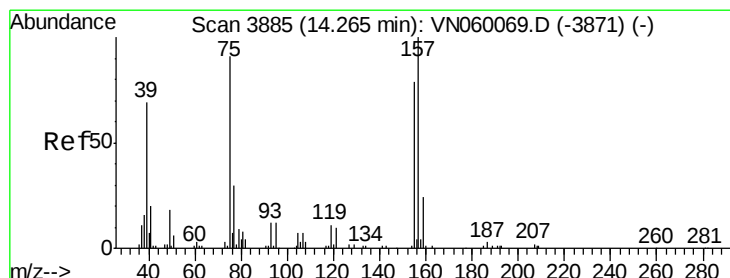
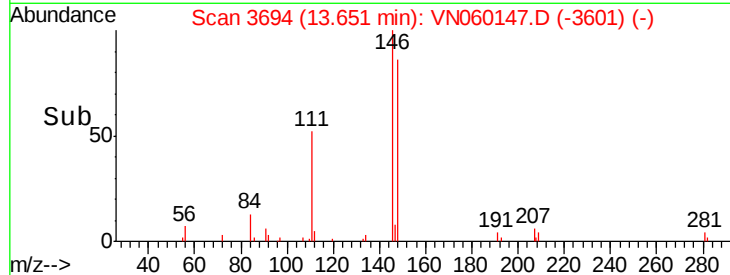
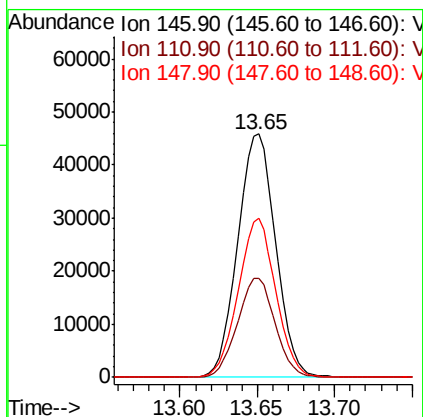
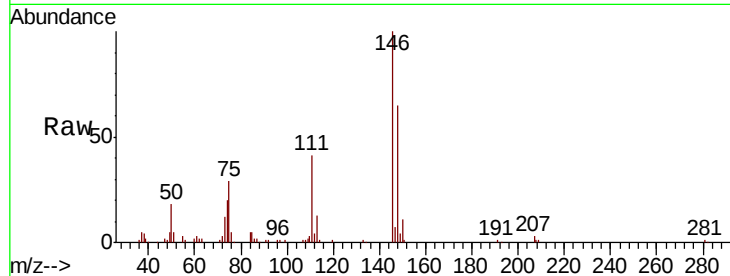




#91
 1,2-Dichlorobenzene
 Concen: 18.787 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

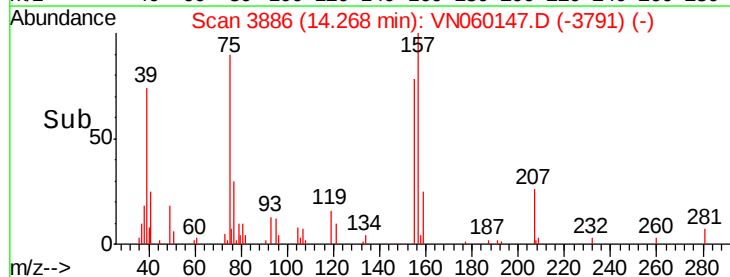
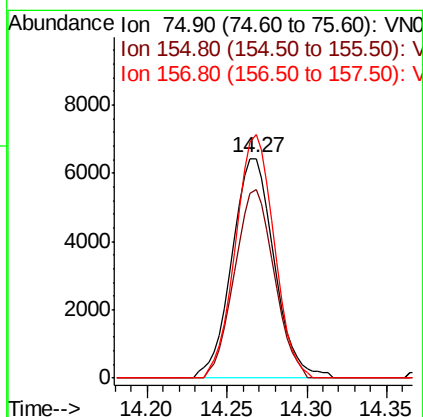
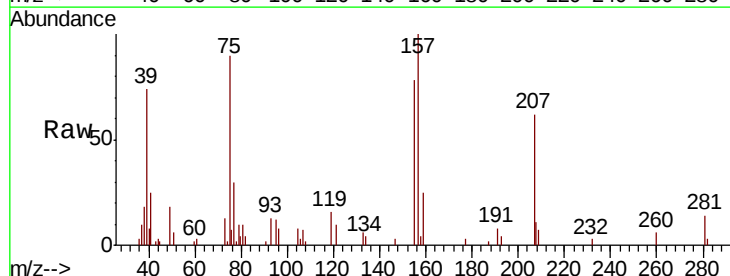
Instrument :
 MSVOA_N
 ClientSampleId :

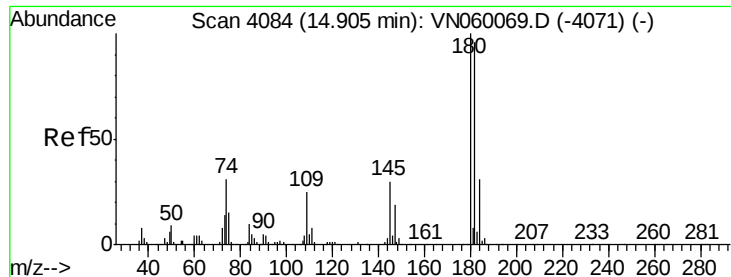
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.2
148	64.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.051 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	43.0	129.0
157	100.9	54.9	164.5

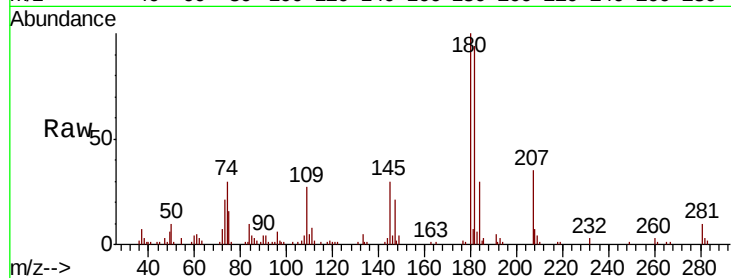




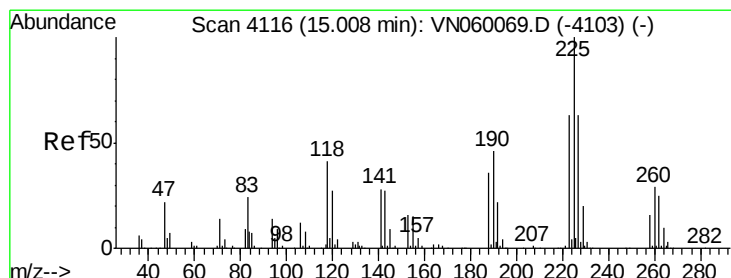
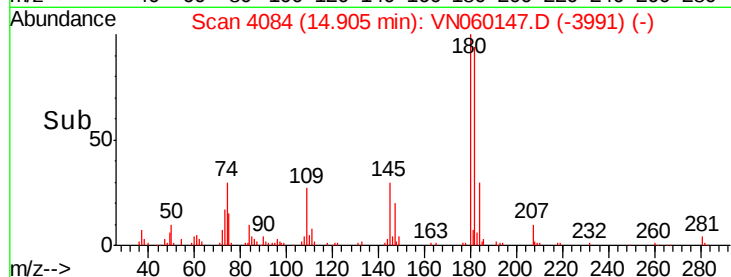
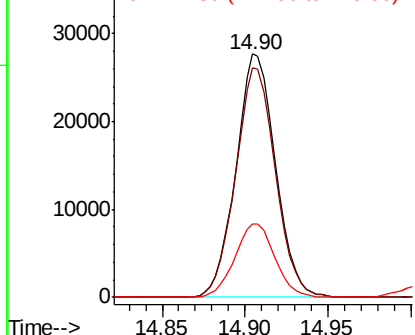
#93
 1,2,4-Trichlorobenzene
 Concen: 18.749 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 45902
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.9 143.8
 145 30.4 15.2 45.5

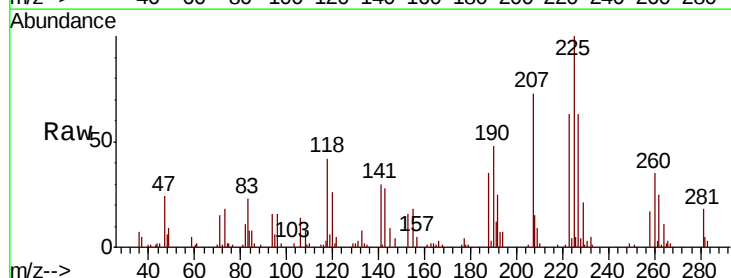


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

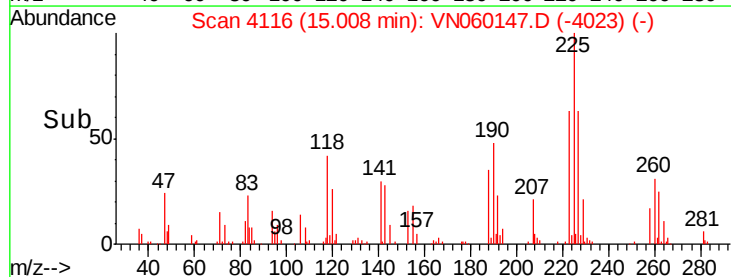
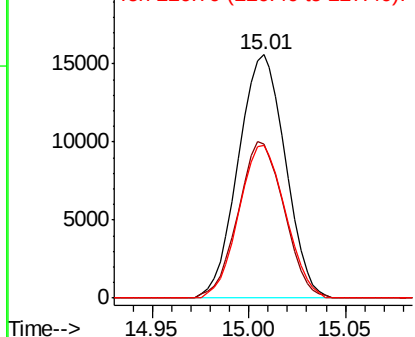


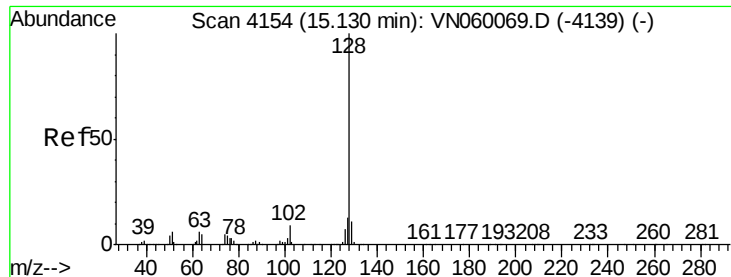
#94
 Hexachlorobutadiene
 Concen: 18.394 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060147.D
 Acq: 19 Feb 2020 11:53

Tgt Ion:225 Resp: 26364
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.5 94.5
 227 62.0 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.628 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

Instrument :

MSVOA_N

ClientSampleId :

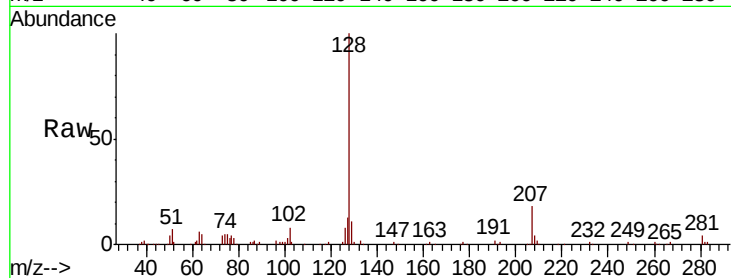
Tot Ion:128 Resp: 123196

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

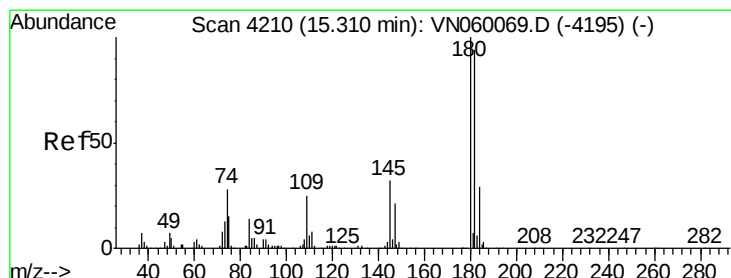
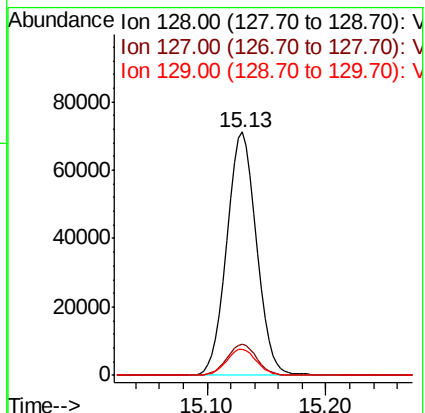
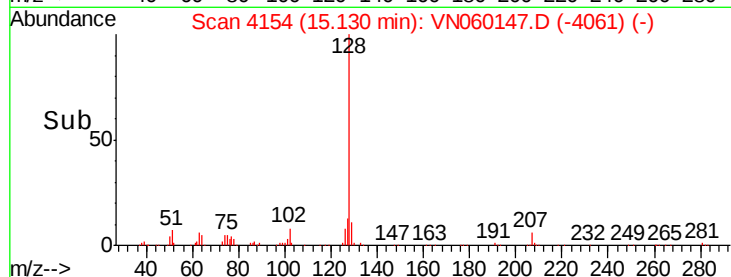
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.500 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060147.D

Acq: 19 Feb 2020 11:53

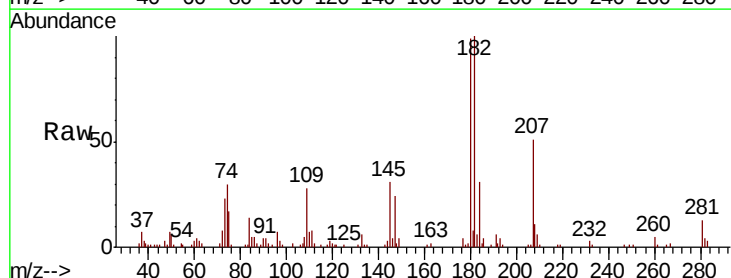
Tgt Ion:180 Resp: 45106

Ion Ratio Lower Upper

180 100

182 97.9 47.5 142.5

145 31.6 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

