

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060516.D
 Acq On : 16 Mar 2020 12:24
 Operator : JC/MD
 Sample : VN0316WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Quant Time: Mar 17 08:42:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	128985	48.67	ug/l	0.00
Spiked Amount						
			Recovery	=	97.34%	
35) Dibromofluoromethane	7.56	113	98449	62.54	ug/l	0.00
Spiked Amount						
			Recovery	=	125.08%	
50) Toluene-d8	10.08	98	379099	47.58	ug/l	0.00
Spiked Amount						
			Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	140634	46.56	ug/l	0.00
Spiked Amount						
			Recovery	=	93.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	28643	15.125	ug/l	97
3) Chloromethane	2.03	50	51451	15.606	ug/l	99
4) Vinyl Chloride	2.16	62	42530	15.041	ug/l	97
5) Bromomethane	2.54	94	19846	15.793	ug/l	99
6) Chloroethane	2.68	64	26063	17.013	ug/l	92
7) Trichlorofluoromethane	3.00	101	60465	16.737	ug/l	98
8) Diethyl Ether	3.38	74	25066	18.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37180	18.185	ug/l	99
10) Methyl Iodide	3.93	142	27852	14.927	ug/l	98
11) Tert butyl alcohol	4.72	59	38111	96.854	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	35592	17.887	ug/l	99
13) Acrolein	3.58	56	30614	83.396	ug/l	99
14) Allyl chloride	4.29	41	63798	17.437	ug/l	95
15) Acrylonitrile	4.94	53	105197	101.428	ug/l	99
16) Acetone	3.78	43	96218	112.435	ug/l	99
17) Carbon Disulfide	4.03	76	83419	15.353	ug/l	99
18) Methyl Acetate	4.28	43	55998	19.608	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	138042	19.161	ug/l	98
20) Methylene Chloride	4.52	84	43048	18.317	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	38379	17.727	ug/l	97
22) Diisopropyl ether	5.91	45	150864	20.357	ug/l	95
23) Vinyl Acetate	5.85	43	581257	98.703	ug/l	98
24) 1,1-Dichloroethane	5.81	63	80446	19.176	ug/l	100
25) 2-Butanone	6.80	43	144221	104.337	ug/l	99
26) 2,2-Dichloropropane	6.79	77	71253	18.657	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47325	17.366	ug/l	97
28) Bromochloromethane	7.17	49	32498	18.868	ug/l	94
29) Tetrahydrofuran	7.18	42	94243	98.048	ug/l	98
30) Chloroform	7.34	83	80066	19.172	ug/l	99
31) Cyclohexane	7.63	56	68166	18.188	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	67235	18.171	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57025	17.642	ug/l	99
37) Ethyl Acetate	6.89	43	61444	20.076	ug/l	98
38) Carbon Tetrachloride	7.75	117	52432	16.661	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62976	16.525	ug/l	97
40) Benzene	8.02	78	172825	18.371	ug/l	100
41) Methacrylonitrile	7.14	41	25500	18.045	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62760	18.487	ug/l	99
43) Isopropyl Acetate	8.14	43	105438	19.679	ug/l	99
44) Trichloroethene	8.81	130	45518	17.373	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49256	20.025	ug/l	100
46) Dibromomethane	9.19	93	28737	18.006	ug/l	99
47) Bromodichloromethane	9.38	83	61436	18.927	ug/l	98
48) Methyl methacrylate	9.18	41	44489	18.208	ug/l	96
49) 1,4-Dioxane	9.17	88	13781	401.079	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	303338	99.851	ug/l	99
52) Toluene	10.14	92	105742	17.893	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	71297	17.925	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76884	18.655	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	44659	18.792	ug/l	99
56) Ethyl methacrylate	10.42	69	63883	18.711	ug/l	98
57) 1,3-Dichloropropane	10.70	76	75344	19.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	159789	89.485	ug/l	99
59) 2-Hexanone	10.74	43	218197	97.824	ug/l	100
60) Dibromochloromethane	10.89	129	45316	18.750	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41888	18.081	ug/l	99
64) Tetrachloroethene	10.62	164	44479	17.580	ug/l	99
65) Chlorobenzene	11.43	112	111257	18.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42694	18.724	ug/l	100
67) Ethyl Benzene	11.50	91	204855	18.241	ug/l	100
68) m/p-Xylenes	11.61	106	151464	35.746	ug/l	98
69) o-Xylene	11.94	106	74527	18.445	ug/l	99
70) Styrene	11.96	104	116786	17.580	ug/l	100
71) Bromoform	12.12	173	30937	18.825	ug/l #	100
73) Isopropylbenzene	12.24	105	199992	19.012	ug/l	100
74) N-amyl acetate	12.06	43	87970	19.138	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	59427	20.784	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82476	26.488	ug/l #	100
77) Bromobenzene	12.52	156	47321	18.352	ug/l	96
78) n-propylbenzene	12.59	91	231634	18.786	ug/l	99
79) 2-Chlorotoluene	12.67	91	138317	19.084	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	166784	18.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	22204	19.685	ug/l #	85
82) 4-Chlorotoluene	12.77	91	141284	18.502	ug/l	97
83) tert-Butylbenzene	12.99	119	141387	18.439	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165514	18.515	ug/l	100
85) sec-Butylbenzene	13.17	105	189161	18.422	ug/l	100
86) p-Isopropyltoluene	13.28	119	169019	17.784	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84435	18.939	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	83831	18.814	ug/l	99
89) n-Butylbenzene	13.61	91	152333	17.461	ug/l	99
90) Hexachloroethane	13.87	117	24079	17.504	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	82223	18.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12021	18.565	ug/l	94

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Quant Time: Mar 17 08:42:36 2020
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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

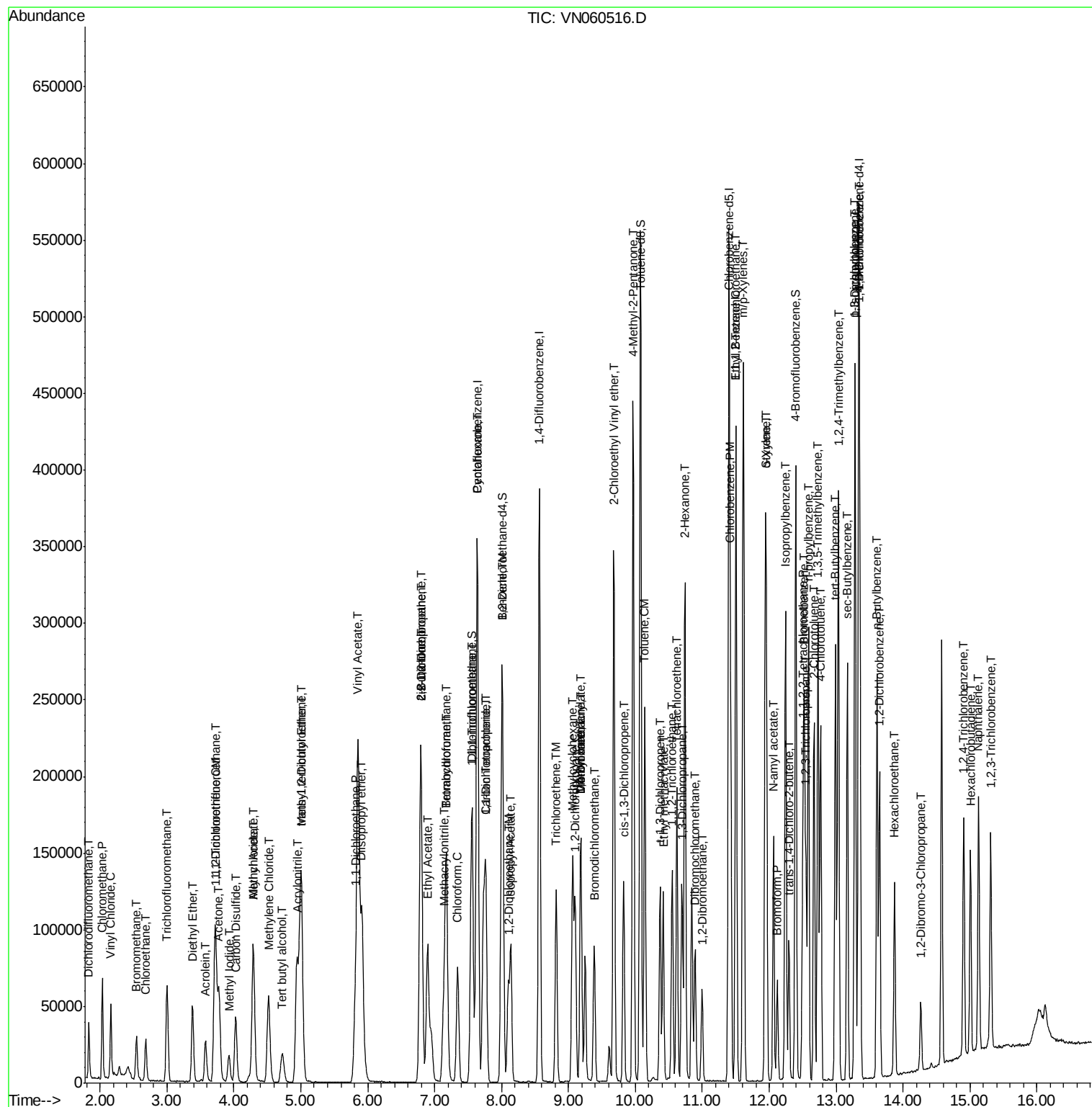
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50242	17.558	ug/l	99
94) Hexachlorobutadiene	15.01	225	25507	18.973	ug/l	97
95) Naphthalene	15.13	128	140272	16.406	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46830	17.201	ug/l	98

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

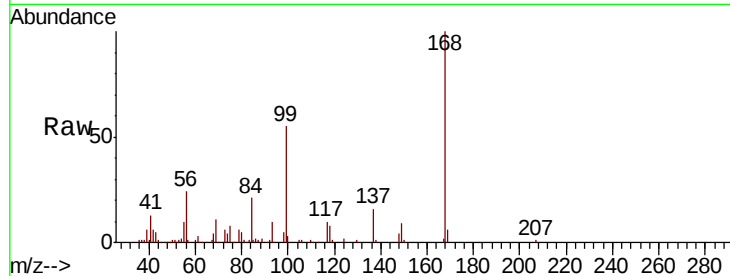
VN0316WBS01

Tot Ion:168 Resp: 206544

Ion Ratio Lower Upper

168 100

99 55.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

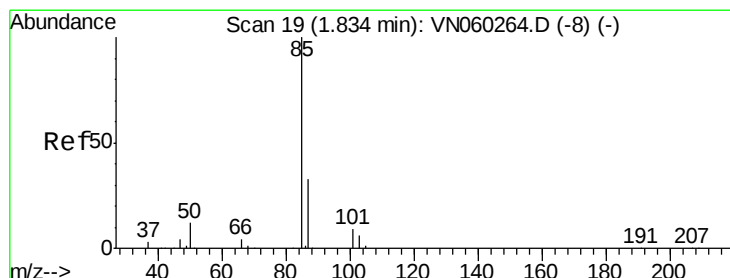
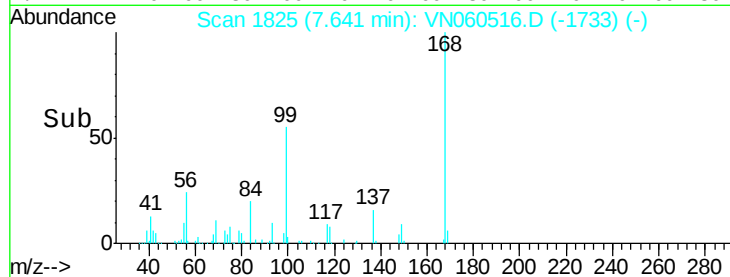
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.125 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060516.D

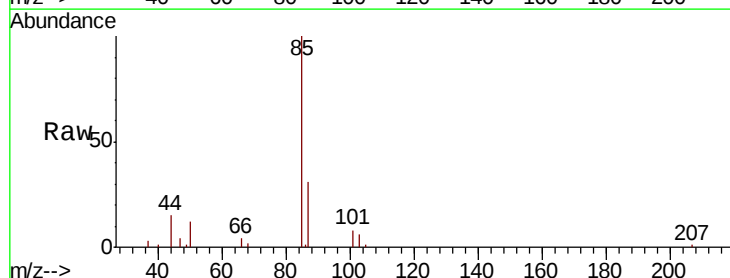
Acq: 16 Mar 2020 12:24

Tgt Ion: 85 Resp: 28643

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

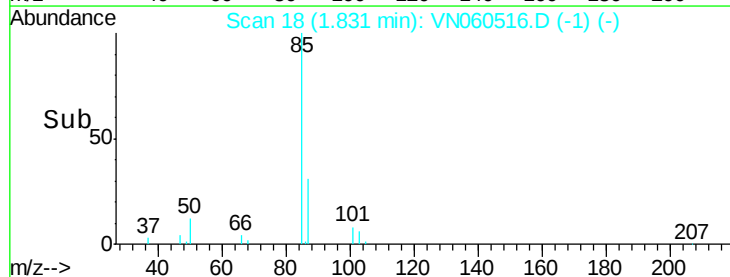
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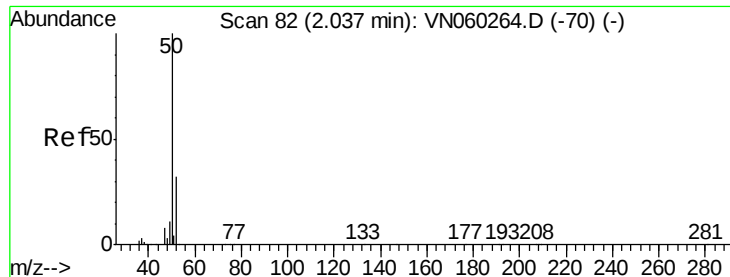
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.606 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

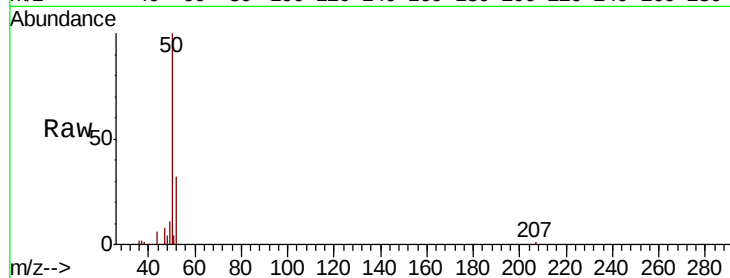
VN0316WBS01

Tot Ion: 50 Resp: 51451

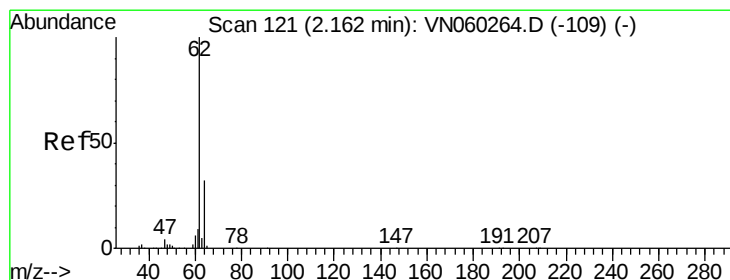
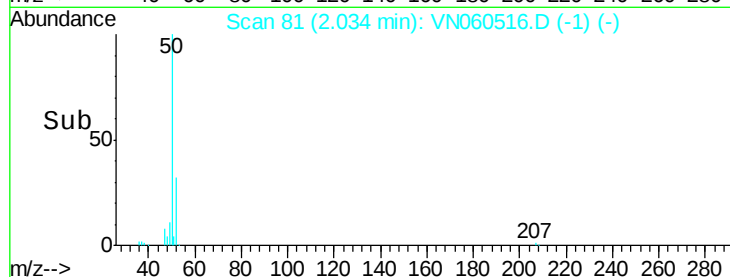
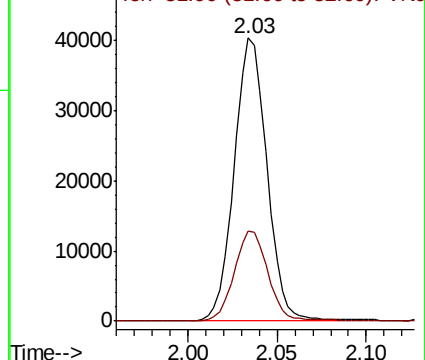
Ion Ratio Lower Upper

50 100

52 31.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 15.041 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060516.D

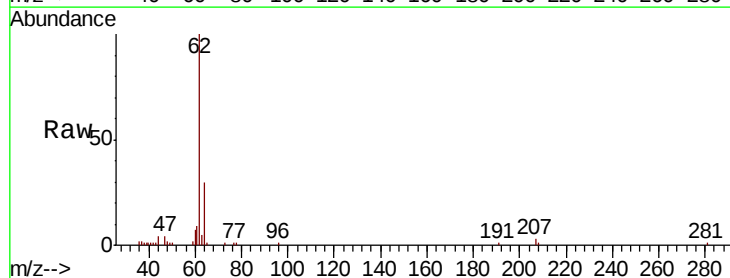
Acq: 16 Mar 2020 12:24

Tgt Ion: 62 Resp: 42530

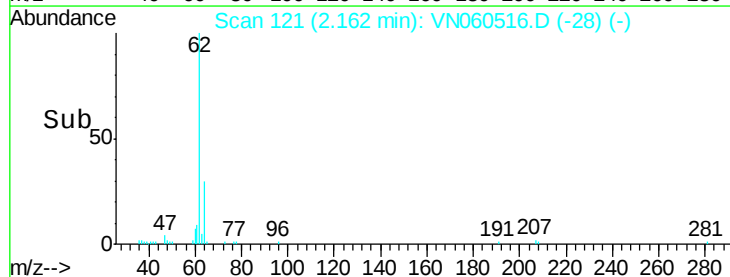
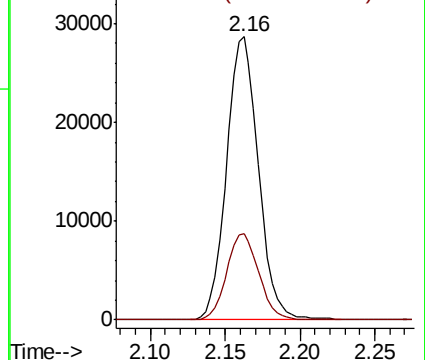
Ion Ratio Lower Upper

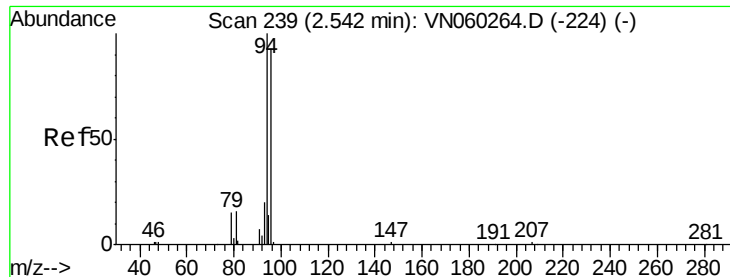
62 100

64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.793 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

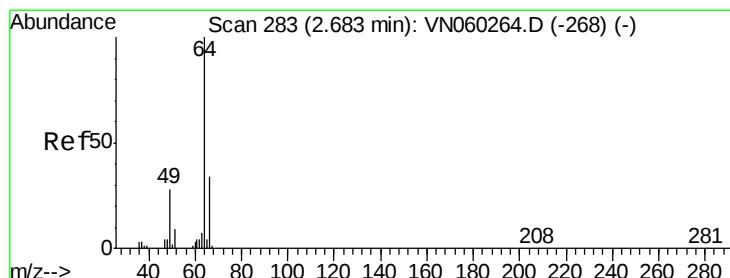
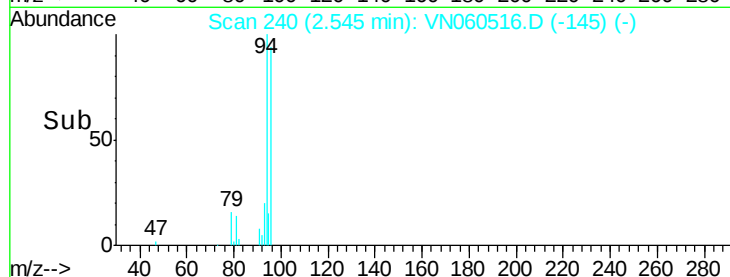
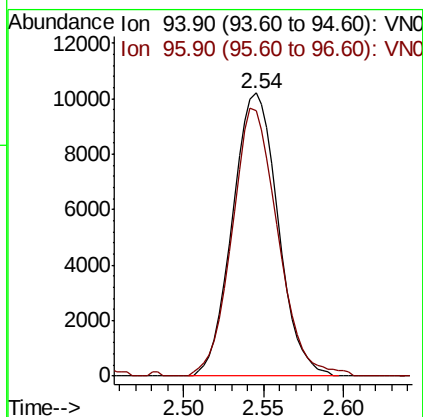
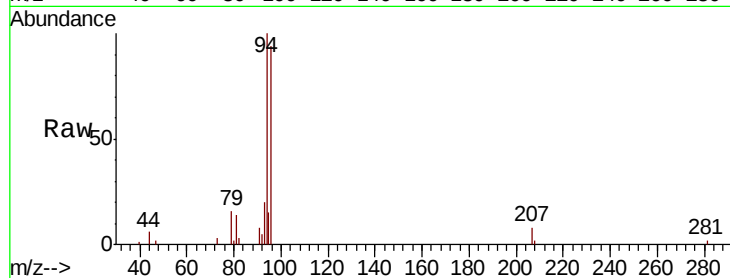
VN0316WBS01

Tot Ion: 94 Resp: 19846

Ion Ratio Lower Upper

94 100

96 93.7 74.3 111.5



#6

Chloroethane

Concen: 17.013 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060516.D

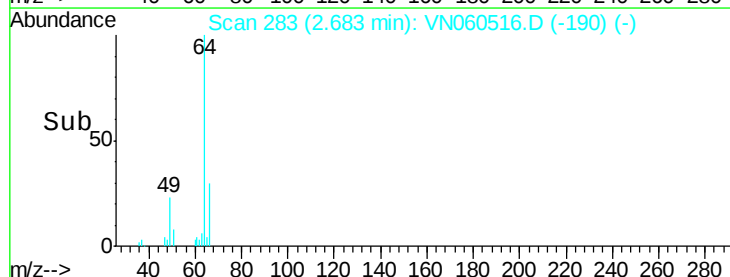
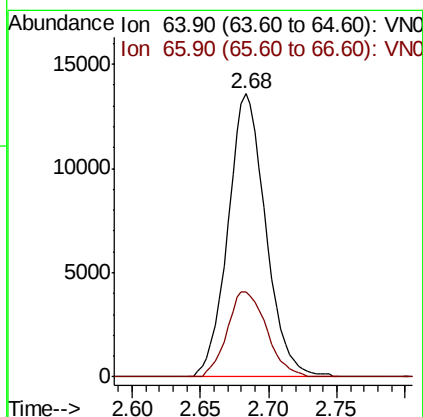
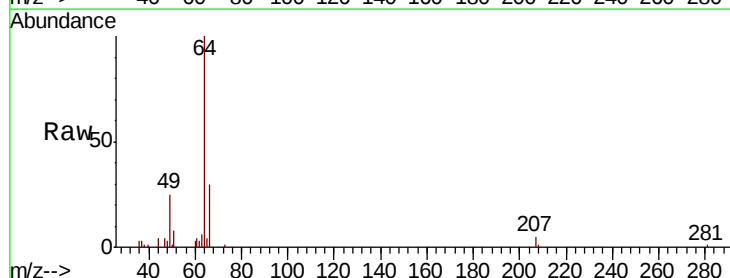
Acq: 16 Mar 2020 12:24

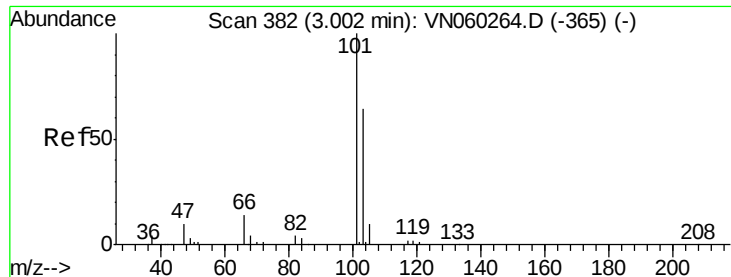
Tgt Ion: 64 Resp: 26063

Ion Ratio Lower Upper

64 100

66 29.9 27.4 41.2



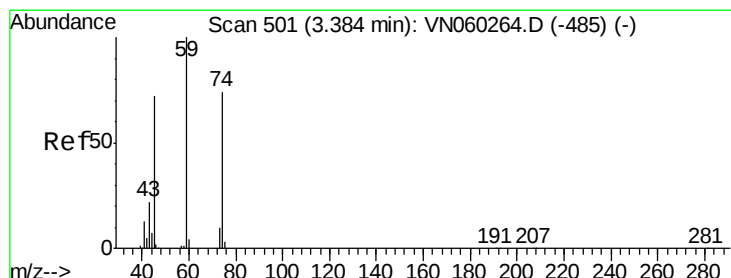
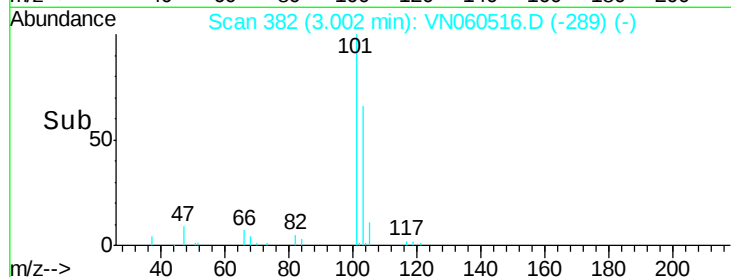
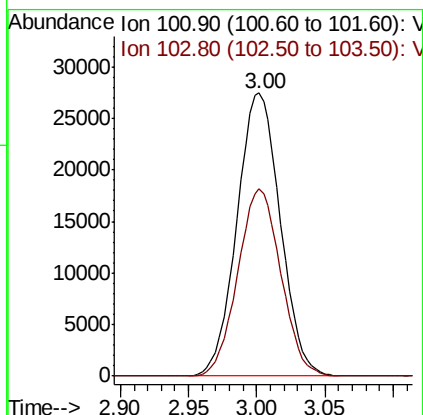
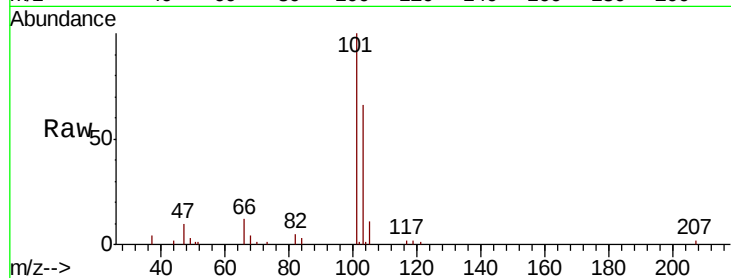


#7

Trichlorofluoromethane
 Concen: 16.737 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
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 VN0316WBS01

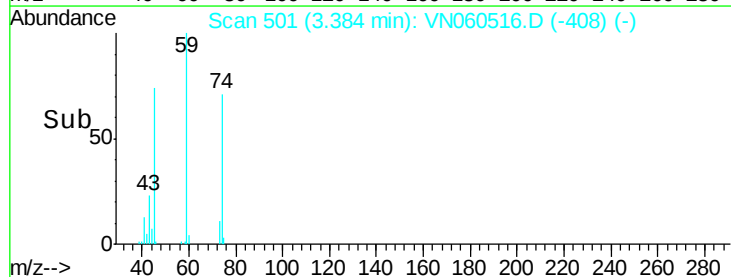
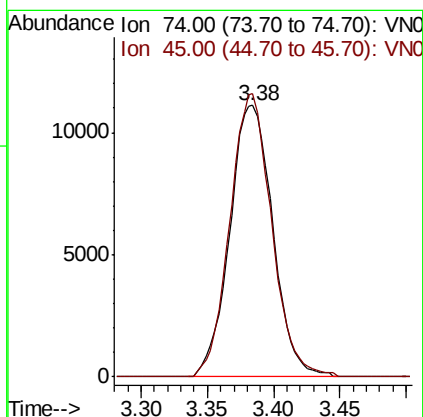
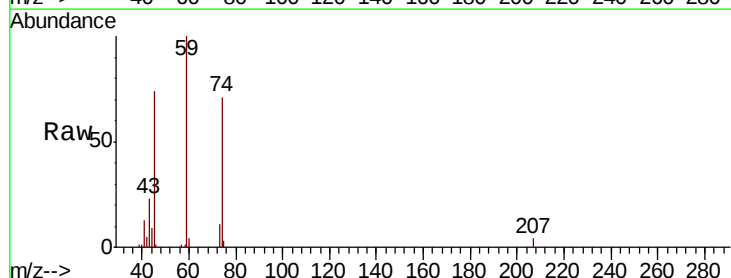
Tot Ion:101 Resp: 60465
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.3 76.9



#8

Diethyl Ether
 Concen: 18.377 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 74 Resp: 25066
 Ion Ratio Lower Upper
 74 100
 45 101.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.185 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

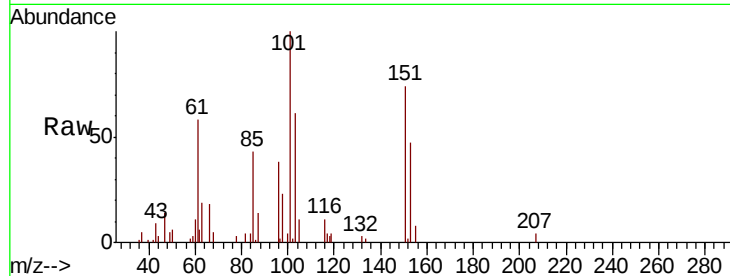
Tot Ion:101 Resp: 37180

Ion Ratio Lower Upper

101 100

85 43.9 35.4 53.2

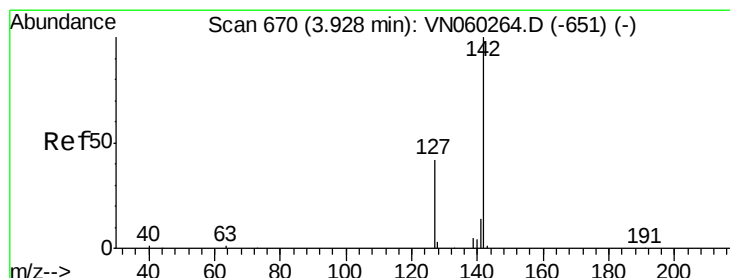
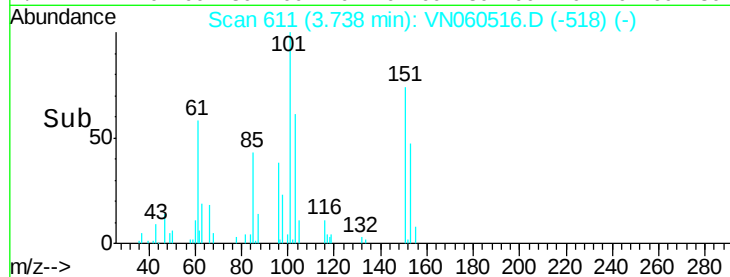
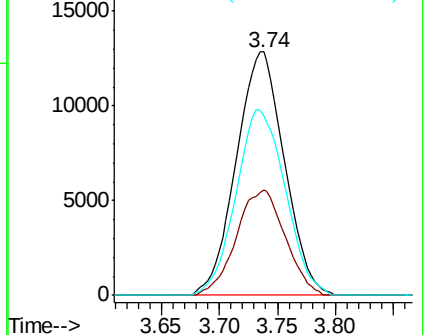
151 78.2 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.927 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

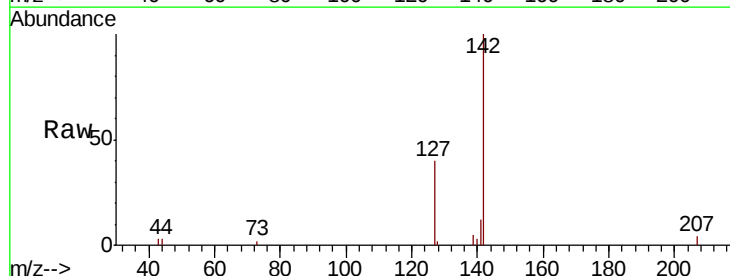
Tgt Ion:142 Resp: 27852

Ion Ratio Lower Upper

142 100

127 41.2 33.8 50.6

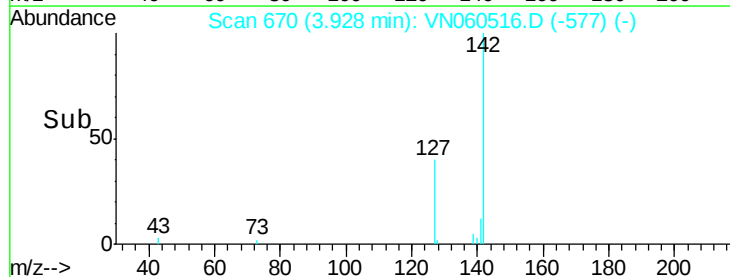
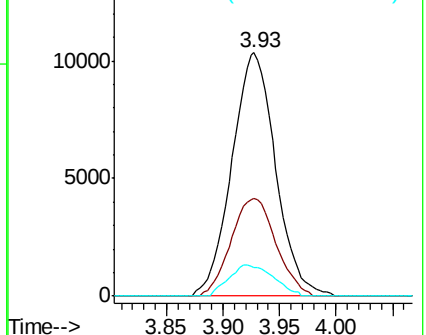
141 12.9 11.1 16.7



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

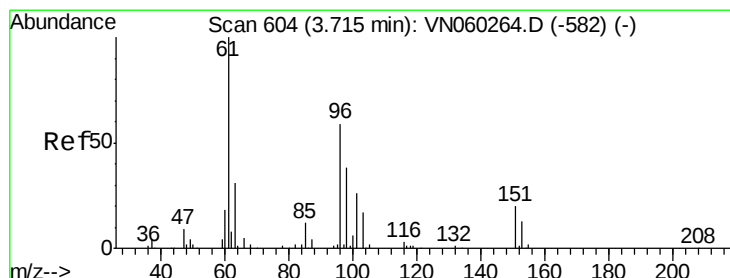
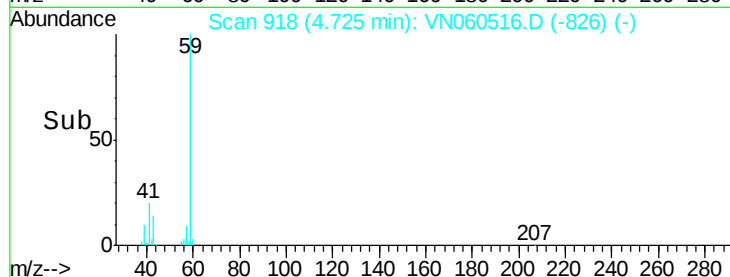
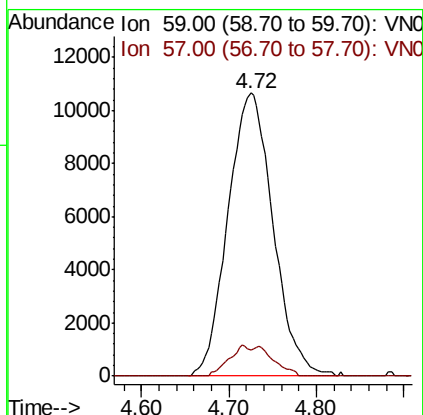
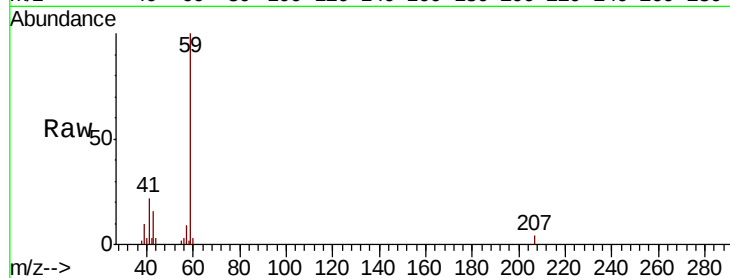




#11
Tert butyl alcohol
Concen: 96.854 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

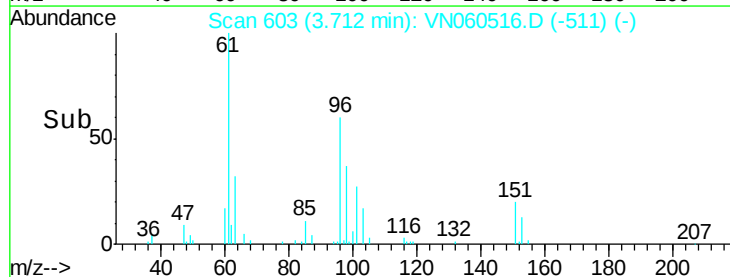
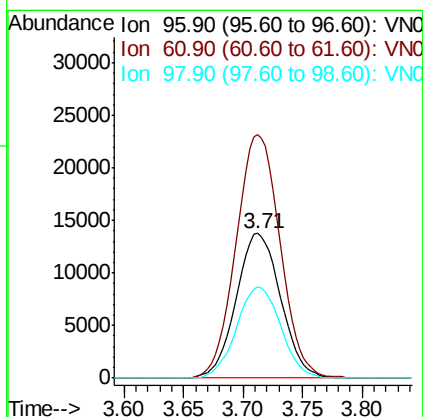
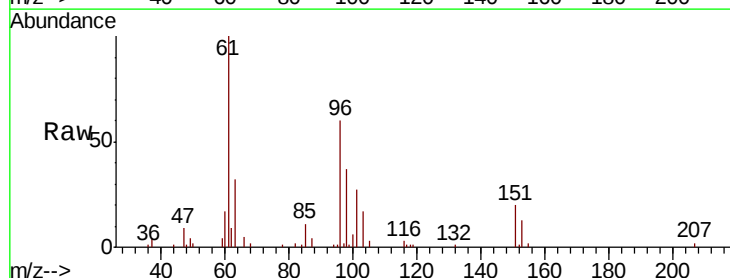
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

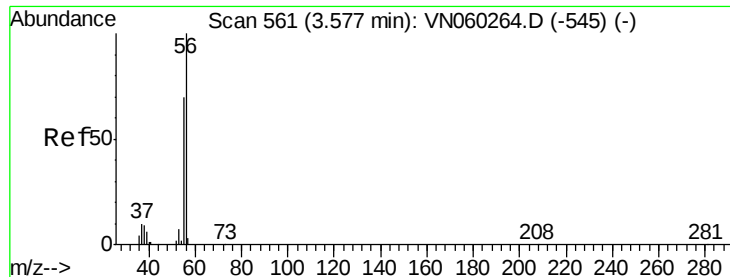
Tot Ion: 59 Resp: 38111
Ion Ratio Lower Upper
59 100
57 5.2 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 17.887 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 96 Resp: 35592
Ion Ratio Lower Upper
96 100
61 167.9 135.4 203.0
98 62.9 51.6 77.4

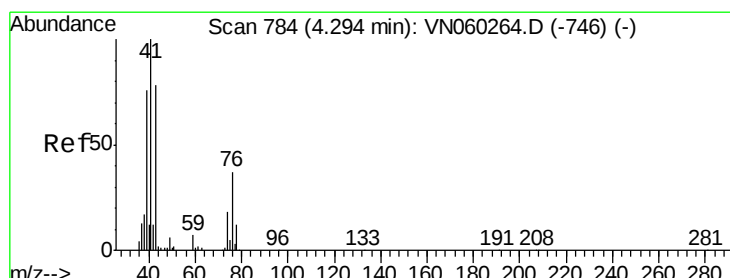
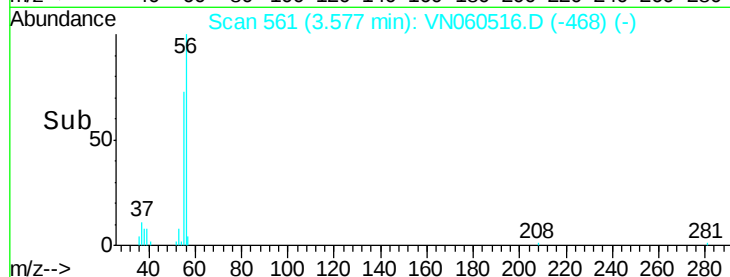
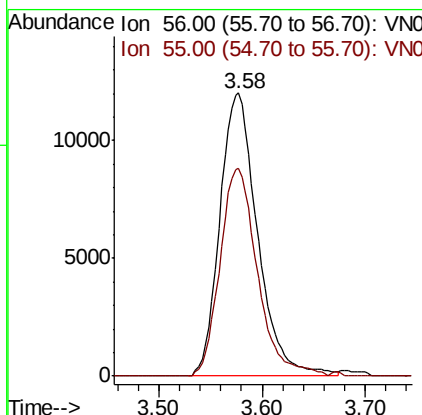
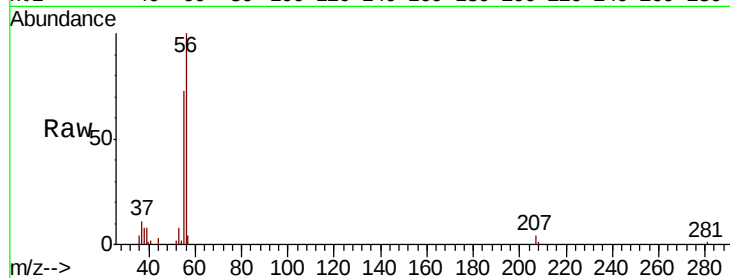




#13
 Acrolein
 Concen: 83.396 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

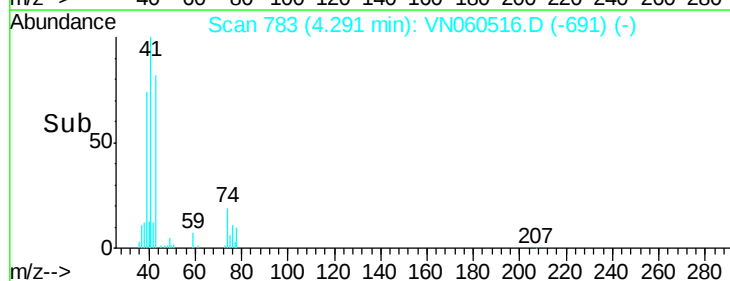
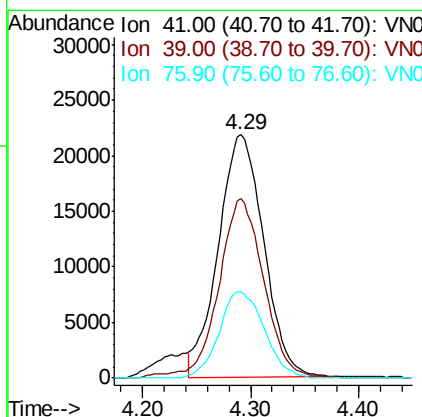
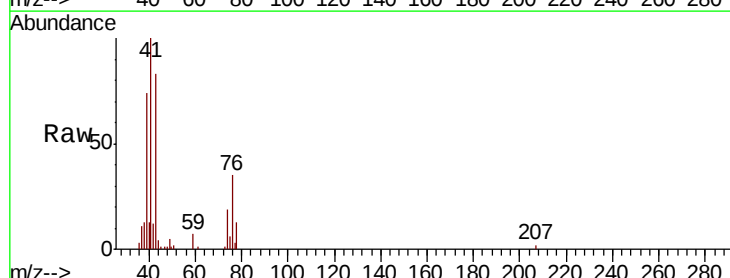
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBS01

Tot Ion: 56 Resp: 30614
 Ion Ratio Lower Upper
 56 100
 55 72.8 57.4 86.0



#14
 Allyl chloride
 Concen: 17.437 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 41 Resp: 63798
 Ion Ratio Lower Upper
 41 100
 39 73.8 55.4 83.2
 76 35.6 27.0 40.6





#15

Acrylonitrile

Concen: 101.428 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

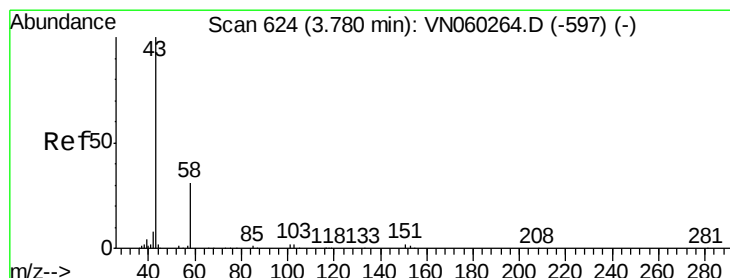
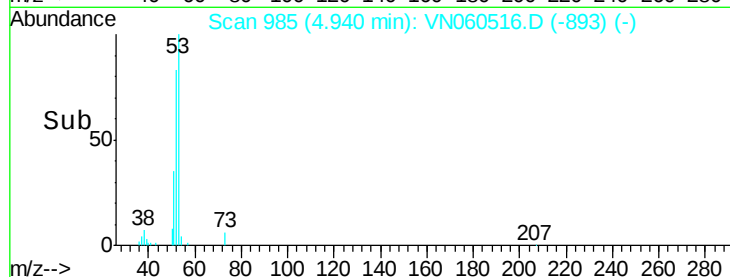
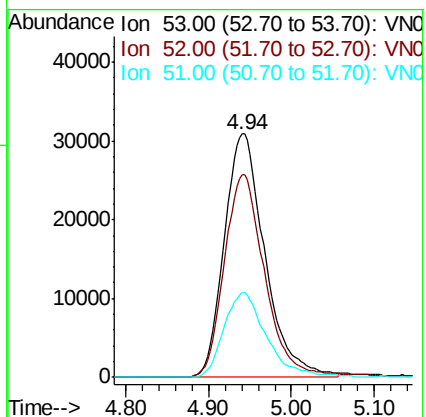
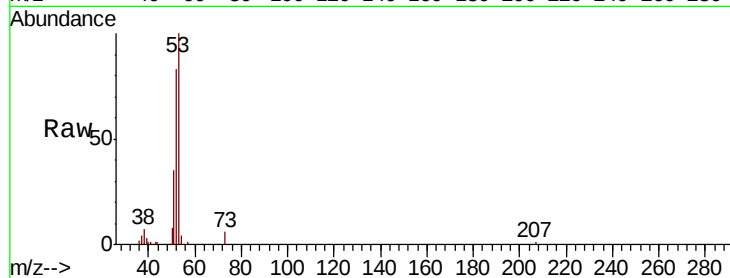
Tot Ion: 53 Resp: 105197

Ion Ratio Lower Upper

53 100

52 82.3 66.8 100.2

51 36.5 29.0 43.6



#16

Acetone

Concen: 112.435 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060516.D

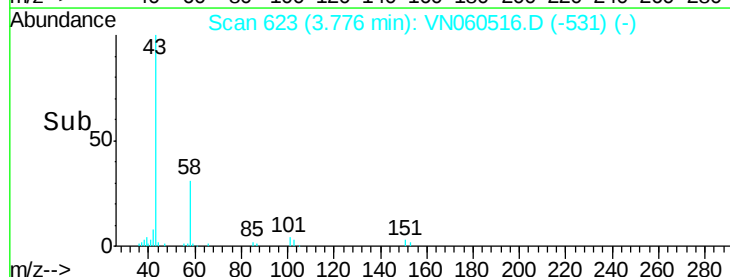
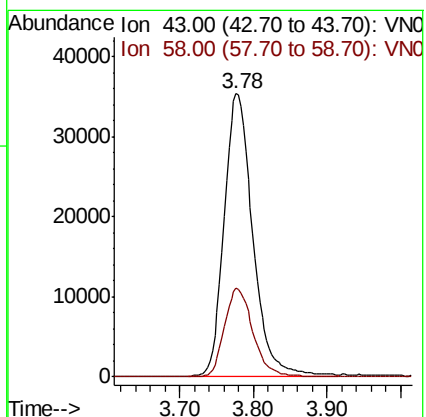
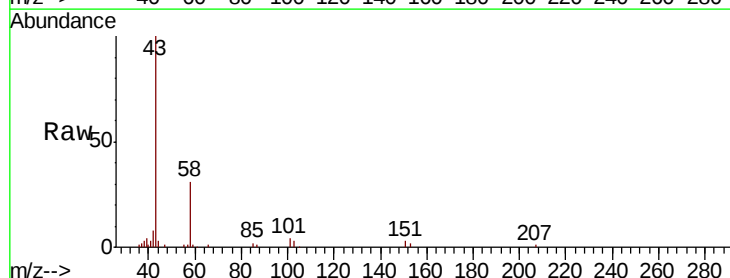
Acq: 16 Mar 2020 12:24

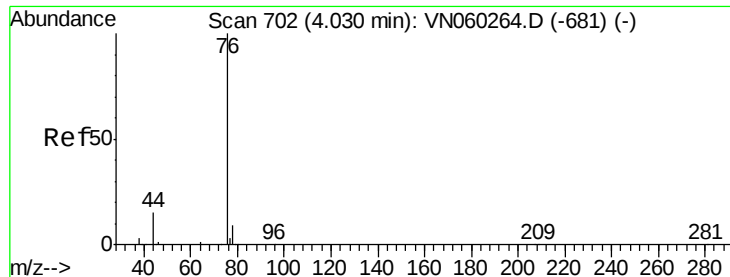
Tgt Ion: 43 Resp: 96218

Ion Ratio Lower Upper

43 100

58 31.2 24.6 36.8

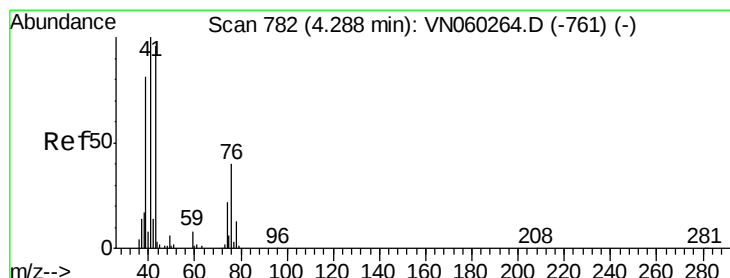
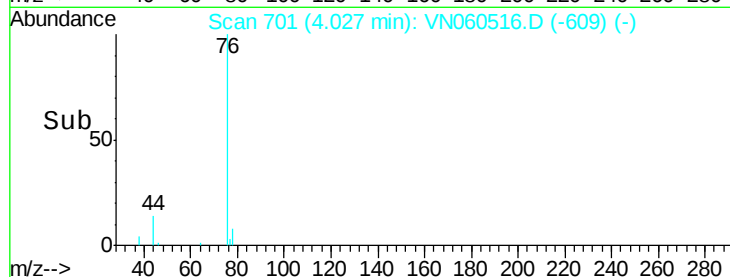
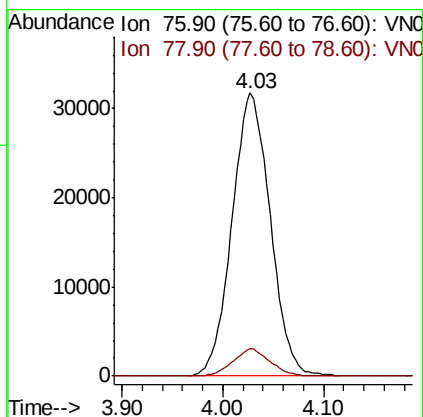
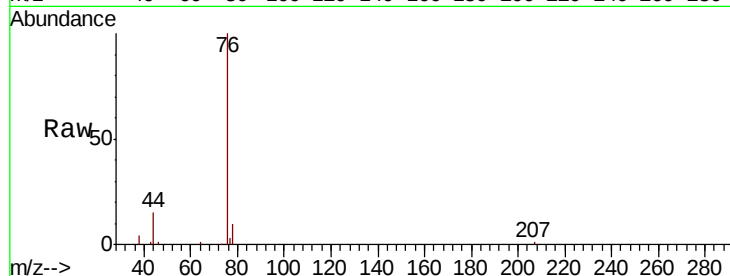




#17
Carbon Disulfide
Concen: 15.353 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

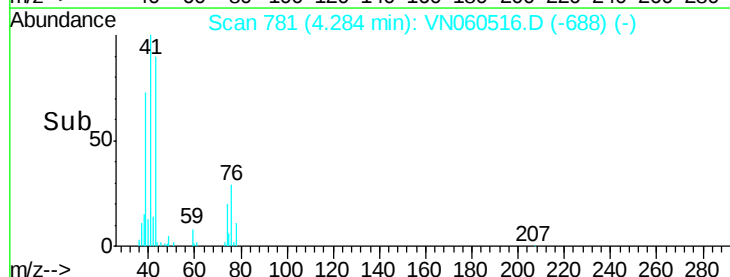
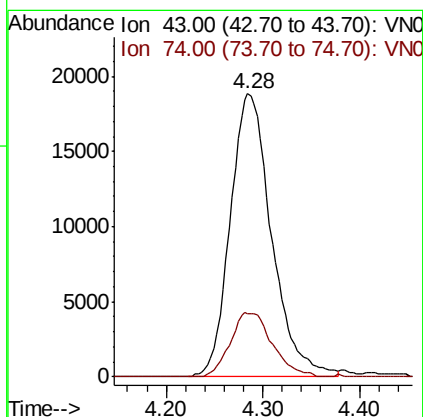
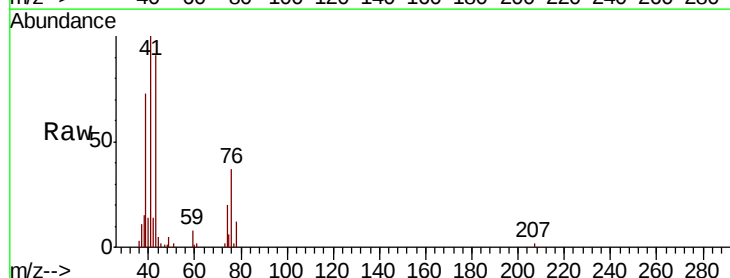
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

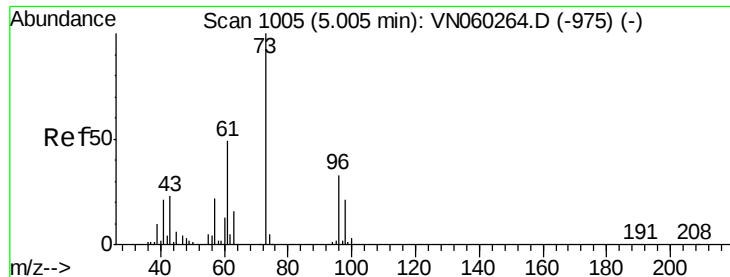
Tot Ion: 76 Resp: 83419
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 19.608 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 43 Resp: 55998
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2

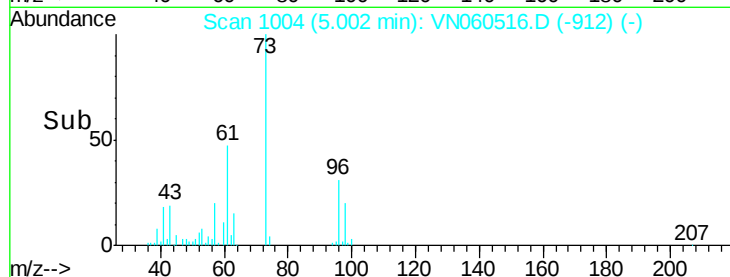
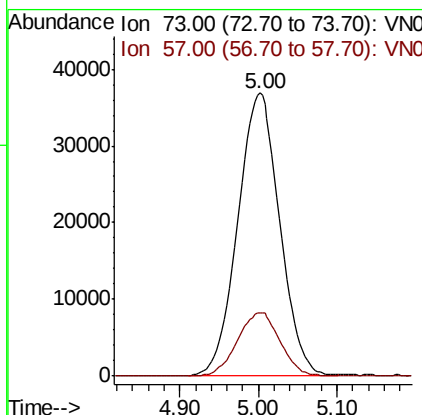
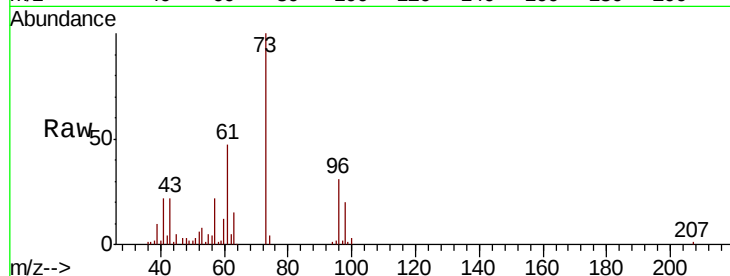




#19
Methvl tert-butvl Ether
Concen: 19.161 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

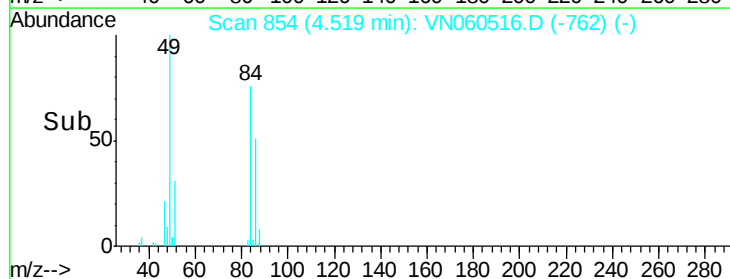
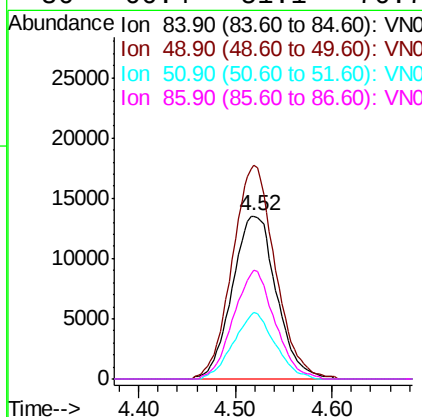
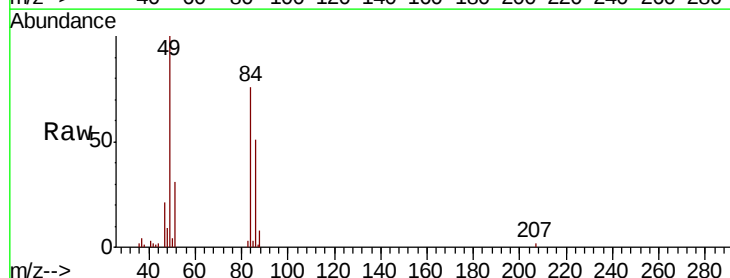
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion: 73 Resp: 138042
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 18.317 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 84 Resp: 43048
Ion Ratio Lower Upper
84 100
49 130.9 99.3 148.9
51 40.7 30.1 45.1
86 66.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.727 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

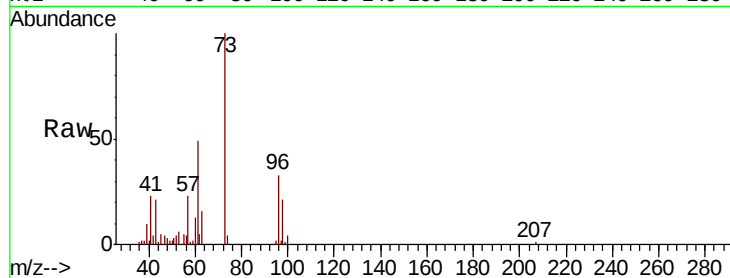
Tot Ion: 96 Resp: 38379

Ion Ratio Lower Upper

96 100

61 145.6 113.8 170.8

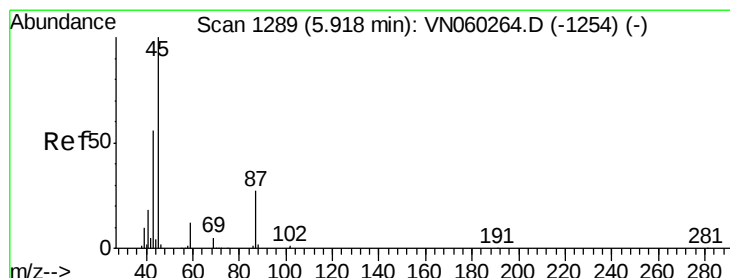
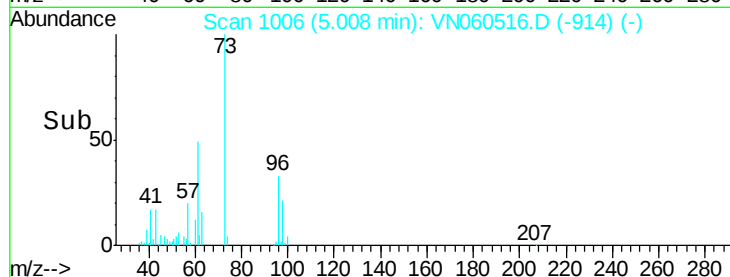
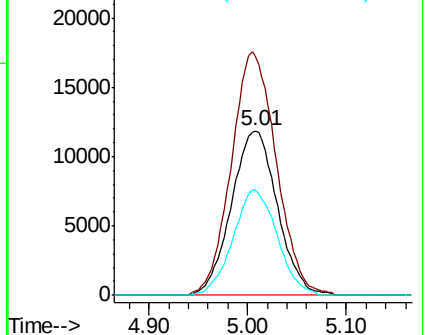
98 63.9 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.357 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion: 45 Resp: 150864

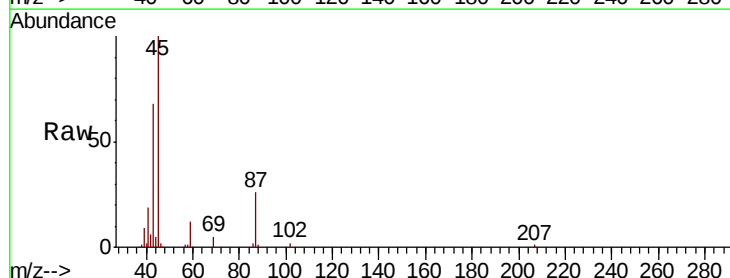
Ion Ratio Lower Upper

45 100

43 65.5 48.6 72.8

87 25.8 22.2 33.2

59 11.1 9.5 14.3

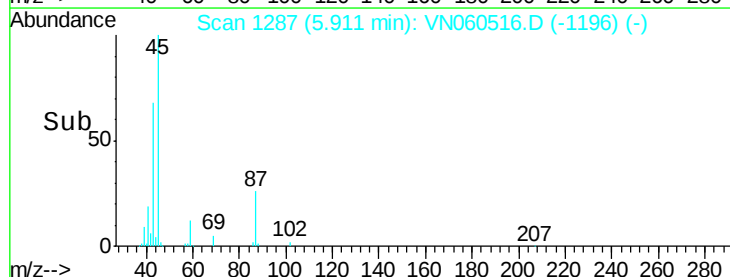
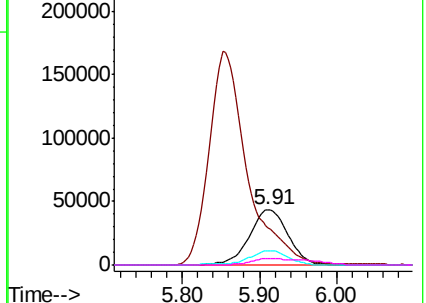


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 98.703 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

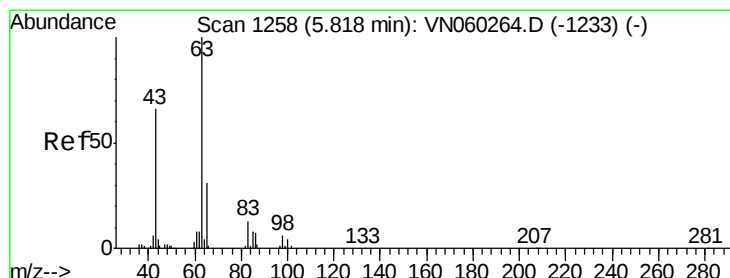
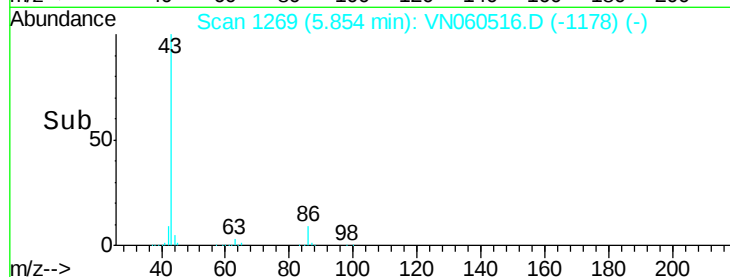
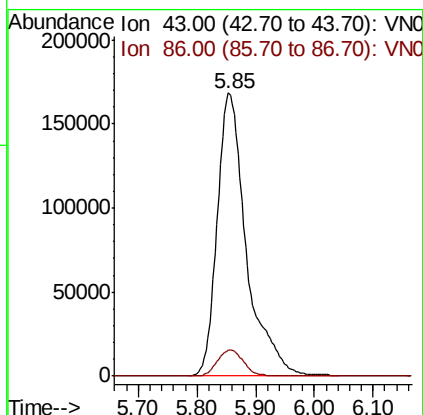
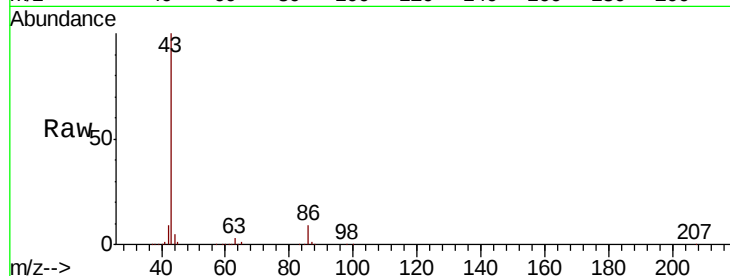
VN0316WBS01

Tot Ion: 43 Resp: 581257

Ion Ratio Lower Upper

43 100

86 9.4 8.0 12.0



#24

1,1-Dichloroethane

Concen: 19.176 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

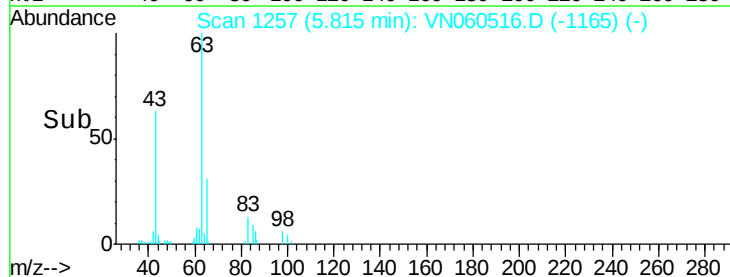
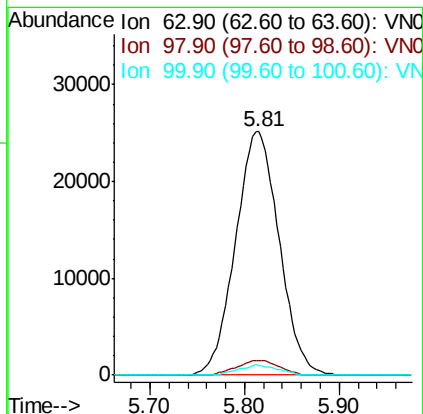
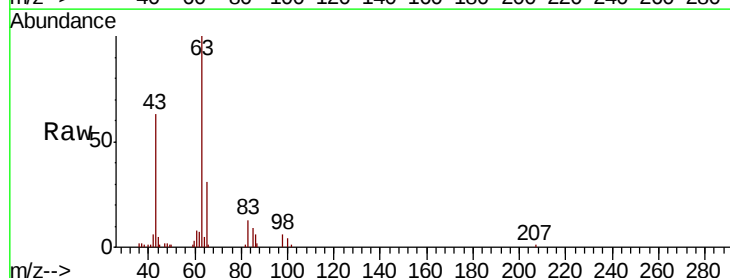
Tgt Ion: 63 Resp: 80446

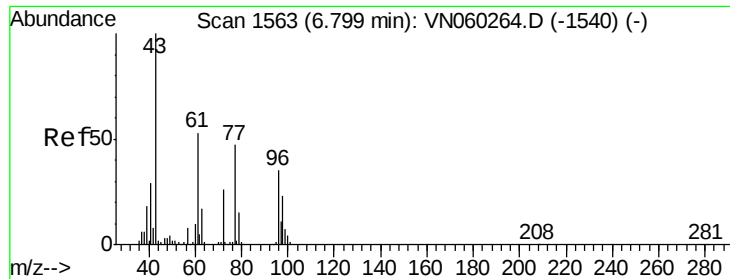
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.1 2.0 6.0

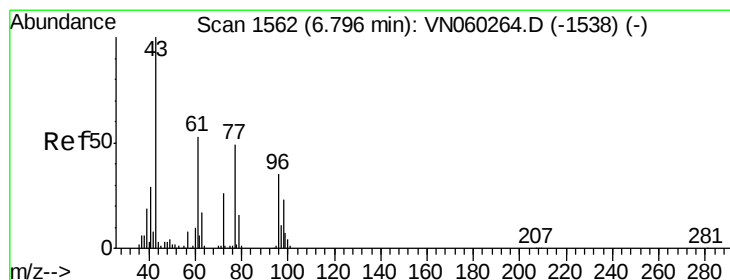
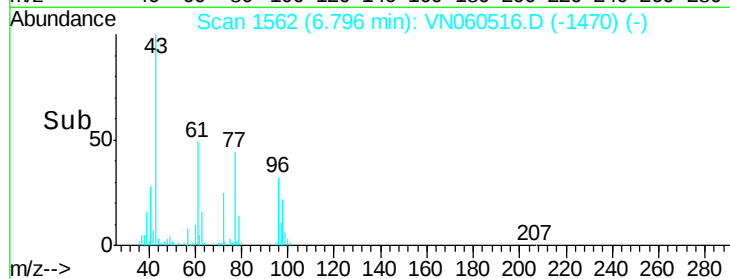
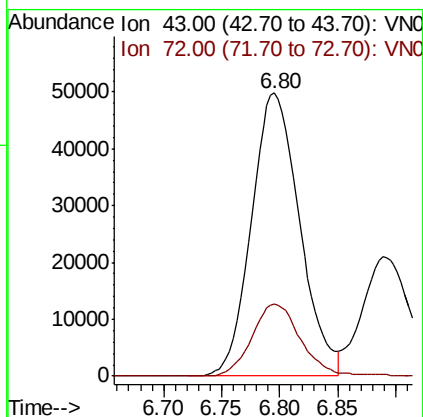
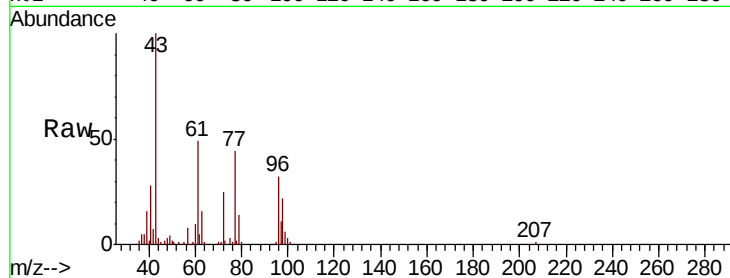




#25
2-Butanone
Concen: 104.337 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

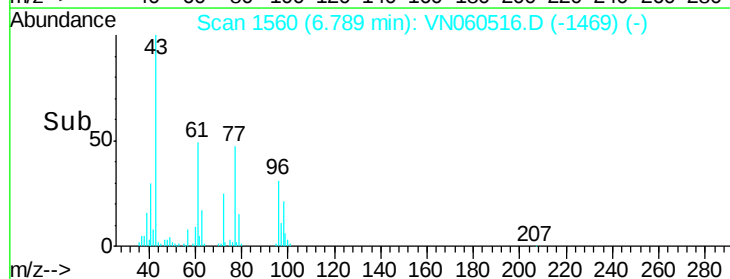
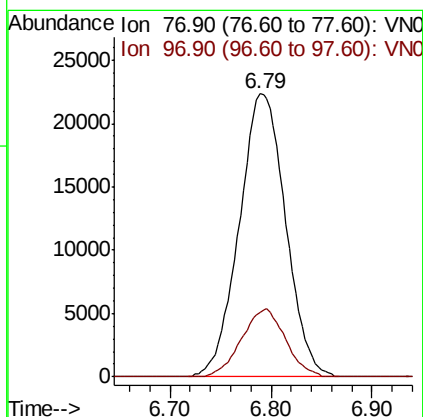
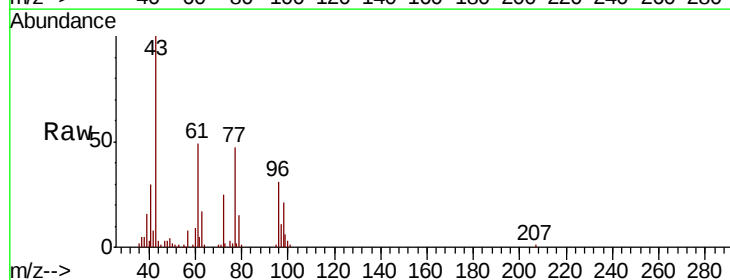
Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

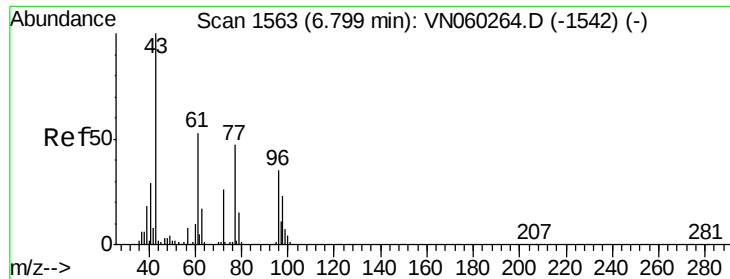
Tot Ion: 43 Resp: 144221
Ion Ratio Lower Upper
43 100
72 25.4 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.657 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 77 Resp: 71253
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.366 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

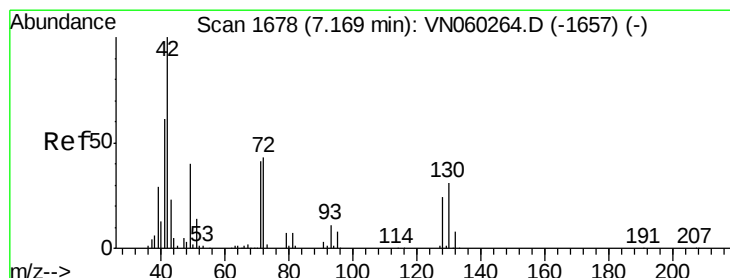
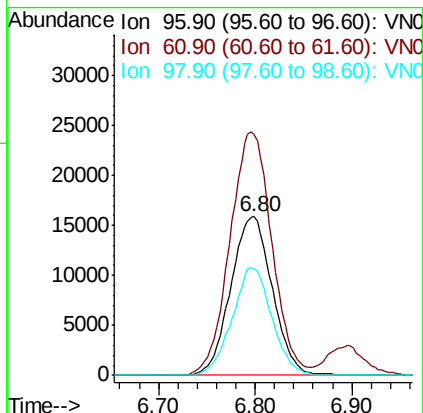
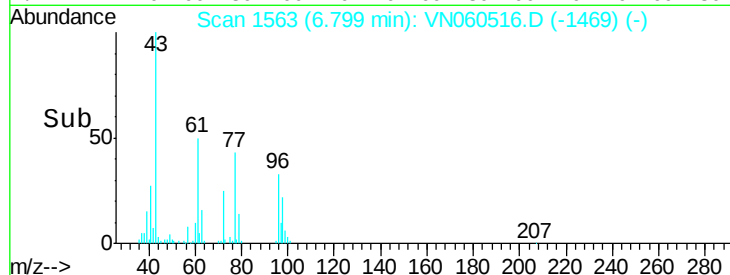
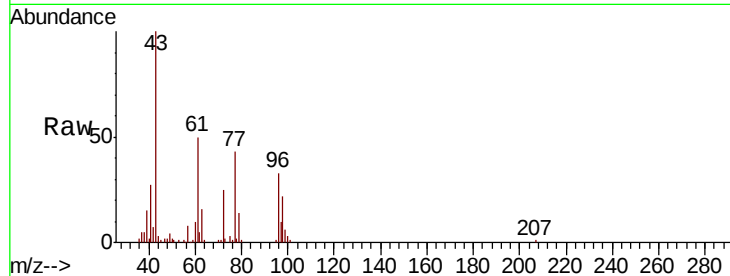
Tot Ion: 96 Resp: 47325

Ion Ratio Lower Upper

96 100

61 154.9 0.0 300.8

98 64.7 0.0 128.2



#28

Bromochloromethane

Concen: 18.868 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

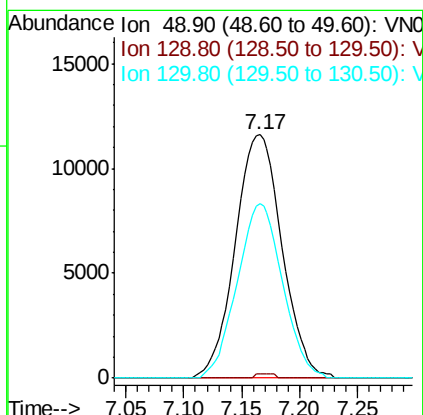
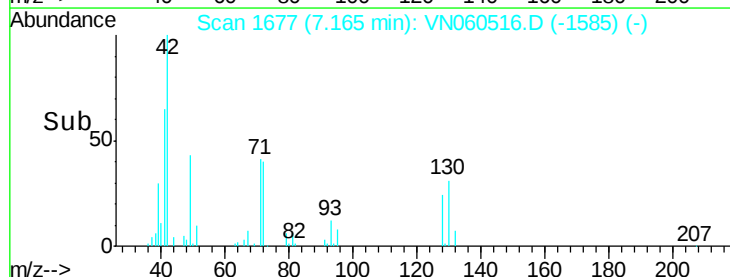
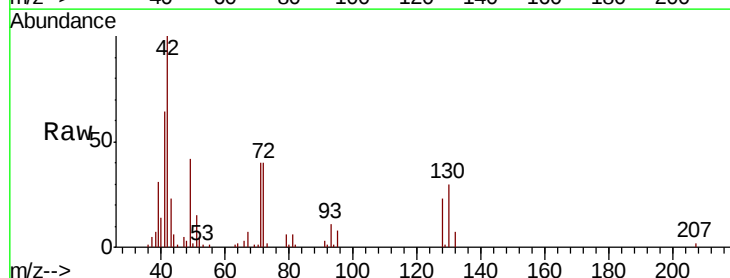
Tgt Ion: 49 Resp: 32498

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

130 69.5 59.8 89.8





#29

Tetrahydrofuran

Concen: 98.048 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

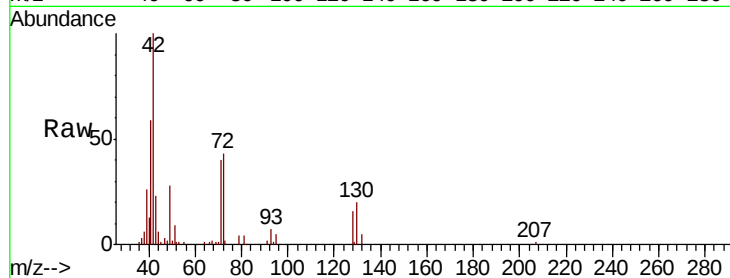
Tot Ion: 42 Resp: 94243

Ion Ratio Lower Upper

42 100

72 42.4 34.6 52.0

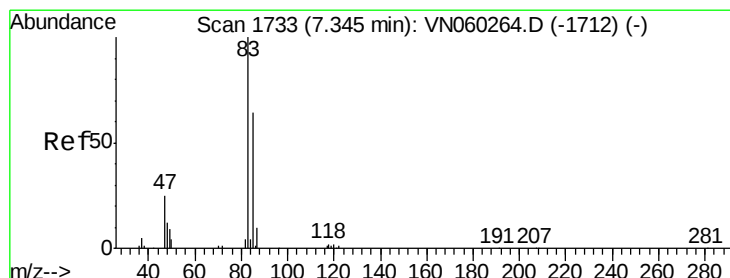
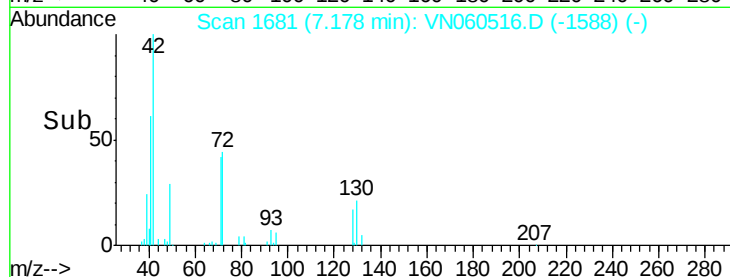
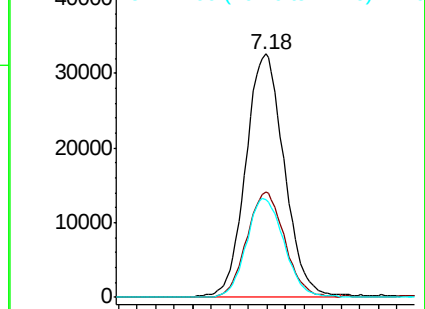
71 39.6 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.172 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060516.D

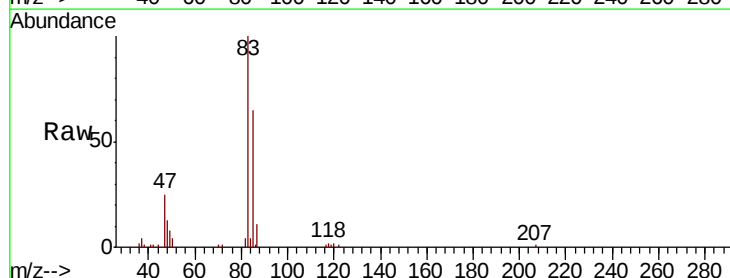
Acq: 16 Mar 2020 12:24

Tgt Ion: 83 Resp: 80066

Ion Ratio Lower Upper

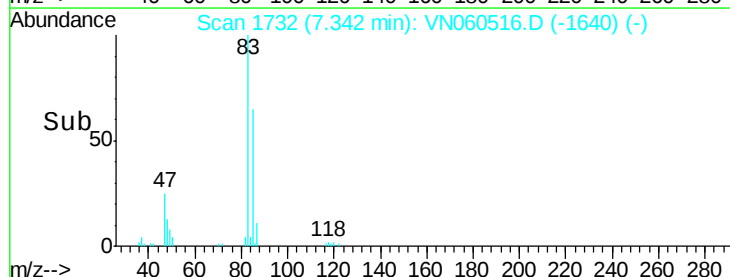
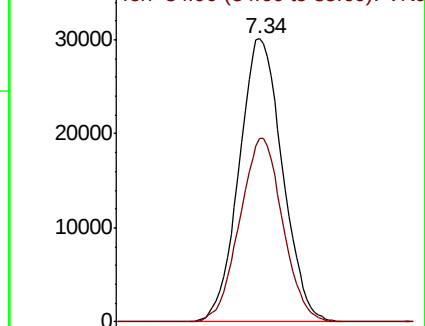
83 100

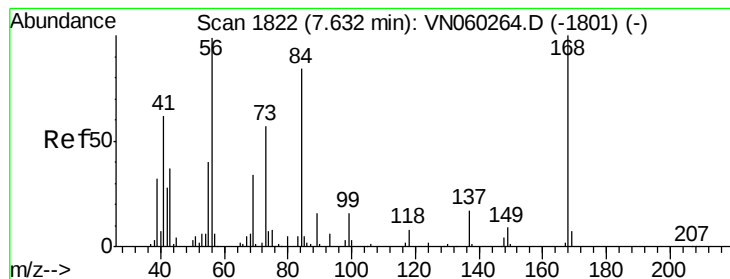
85 64.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.188 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

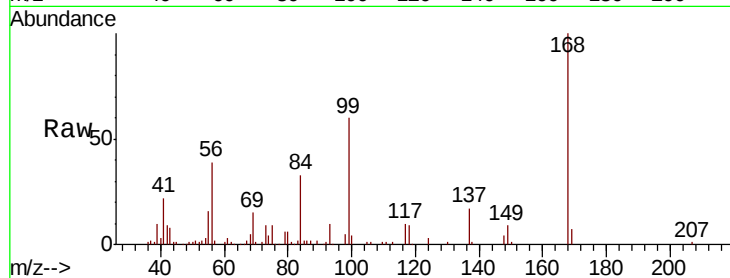
Tot Ion: 56 Resp: 68166

Ion Ratio Lower Upper

56 100

69 38.8 27.2 40.8

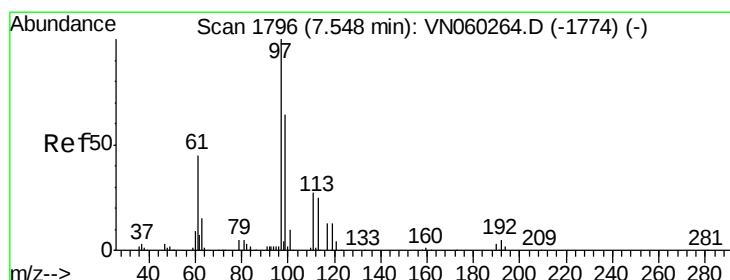
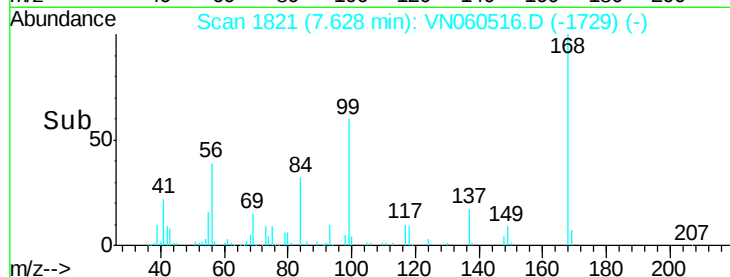
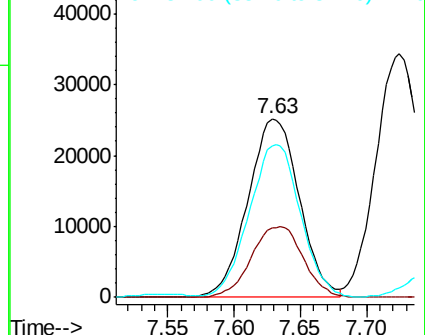
84 83.5 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.171 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

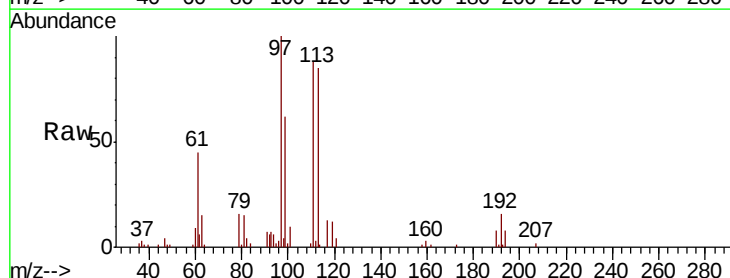
Tgt Ion: 97 Resp: 67235

Ion Ratio Lower Upper

97 100

99 63.3 51.4 77.0

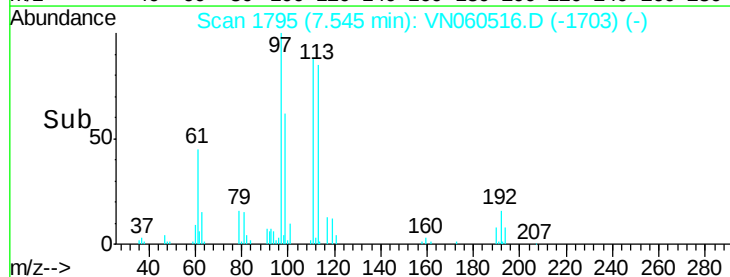
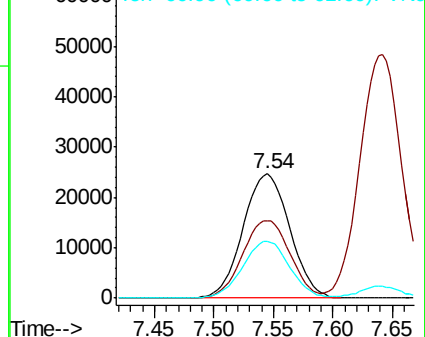
61 45.8 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

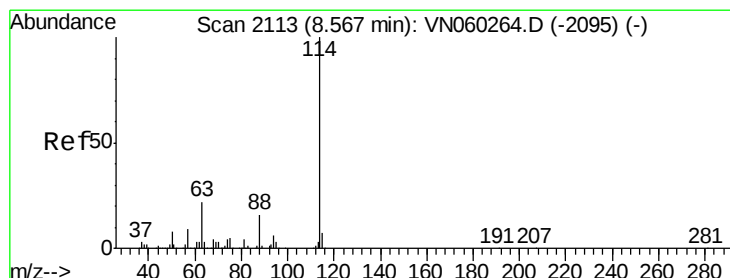
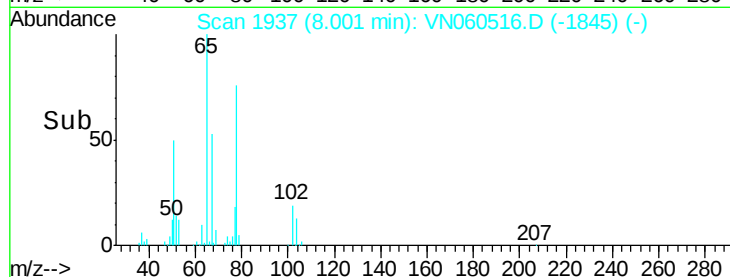
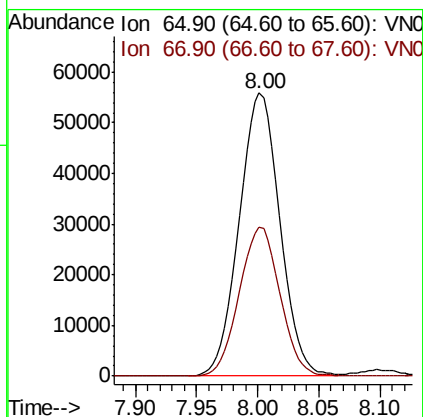
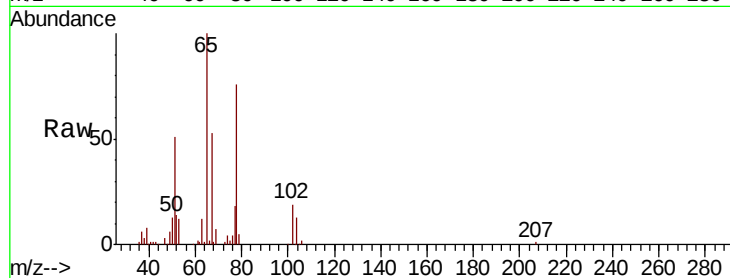




#33
 1,2-Dichloroethane-d4
 Concen: 48.674 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

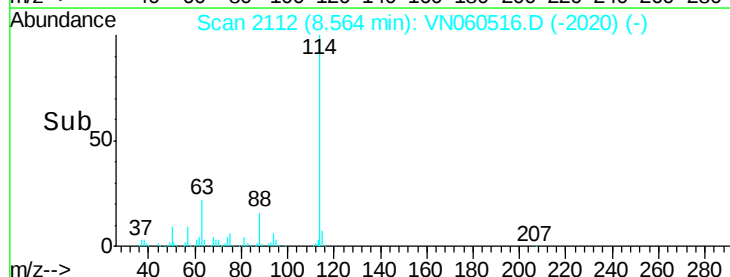
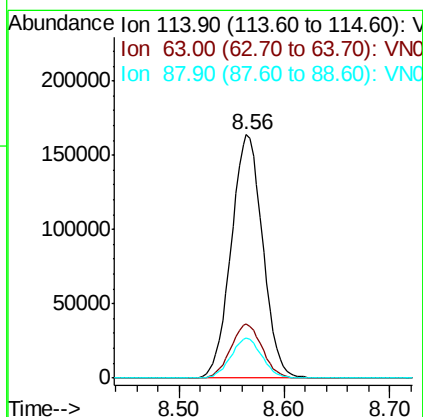
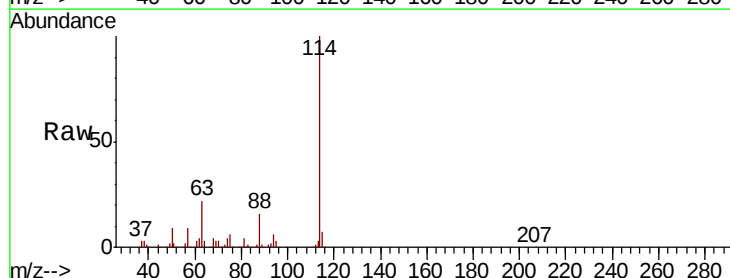
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion: 65 Resp: 128985
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 114 Resp: 339150
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.4 0.0 31.6

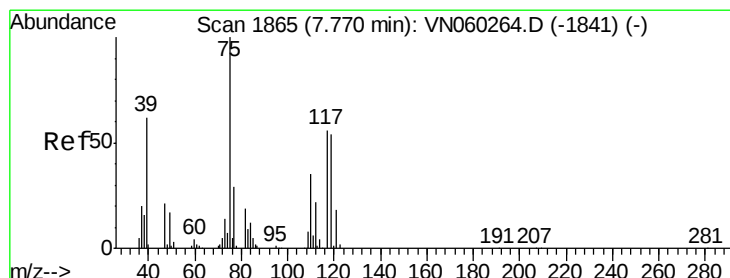
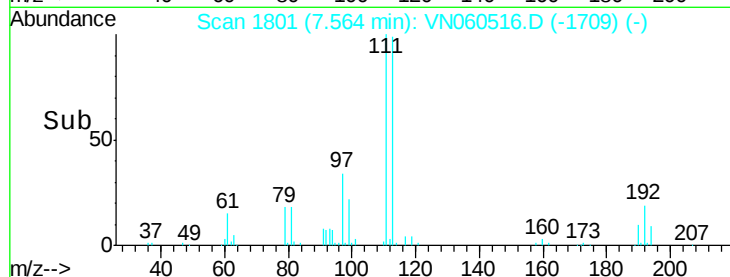
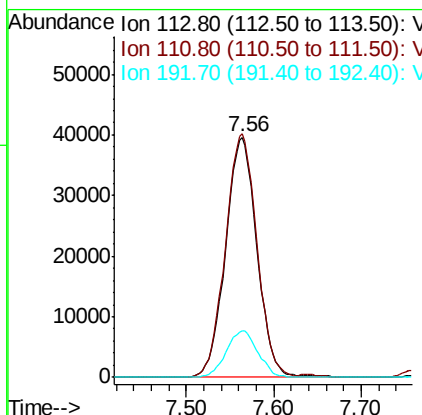
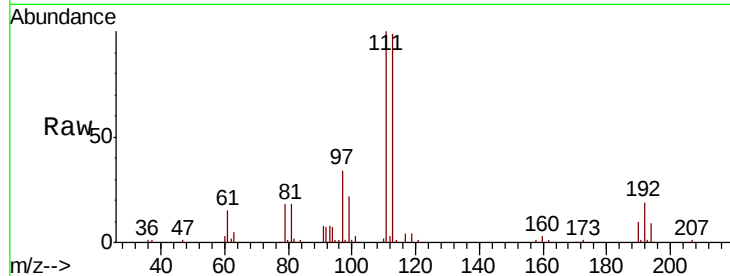




#35
 Dibromofluoromethane
 Concen: 62.538 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

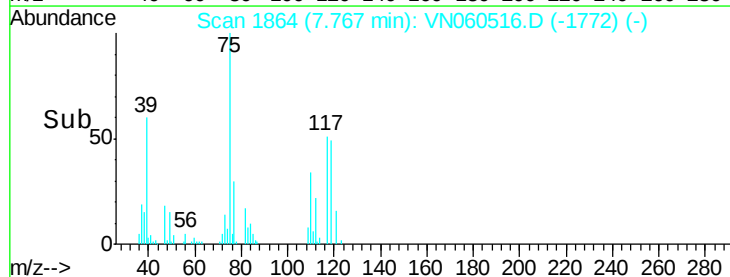
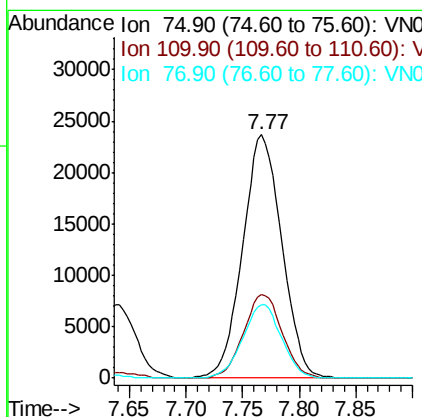
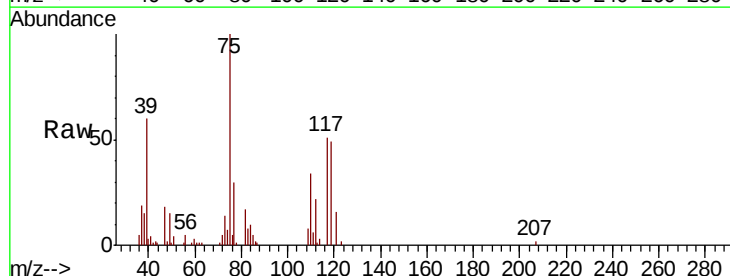
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBS01

Tot Ion:113 Resp: 98449
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.4 123.6
 192 19.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 17.642 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 75 Resp: 57025
 Ion Ratio Lower Upper
 75 100
 110 33.8 17.3 52.0
 77 29.8 24.2 36.2

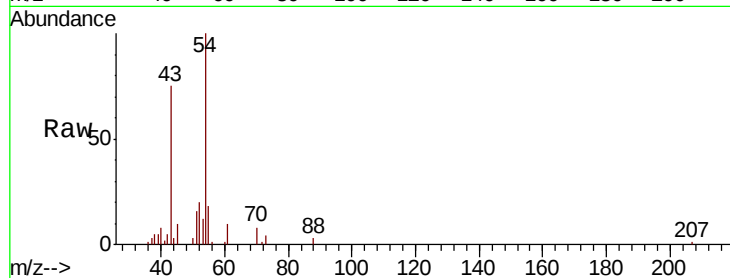




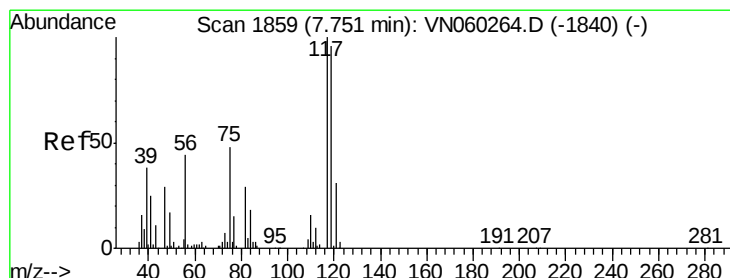
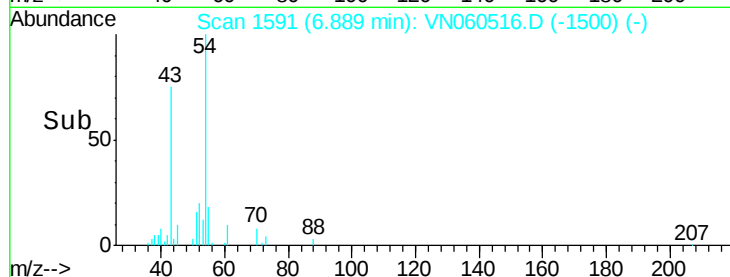
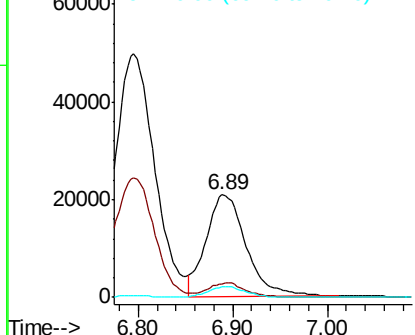
#37
Ethyl Acetate
Concen: 20.076 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

Tot Ion: 43 Resp: 61444
Ion Ratio Lower Upper
43 100
61 13.3 11.1 16.7
70 9.7 8.4 12.6

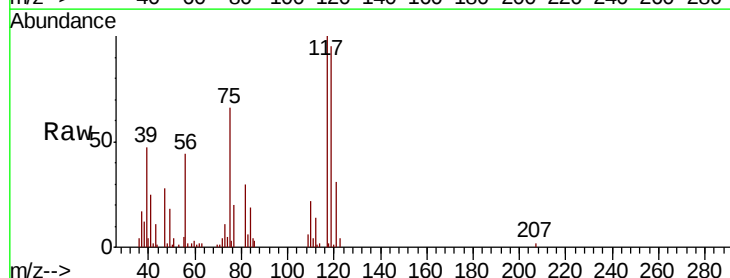


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

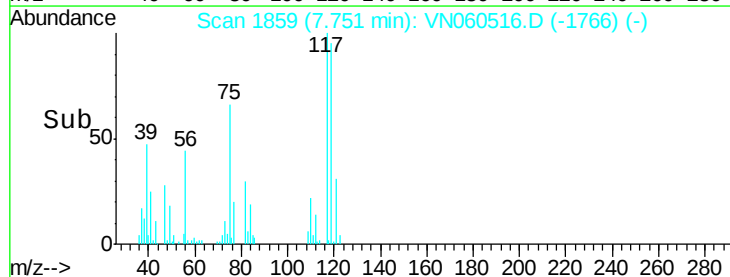
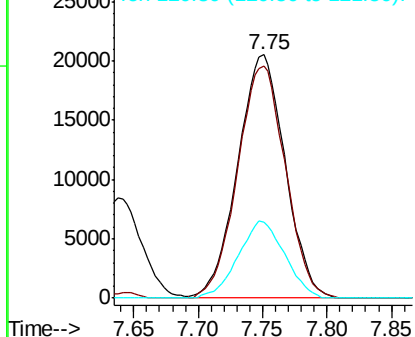


#38
Carbon Tetrachloride
Concen: 16.661 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 117 Resp: 52432
Ion Ratio Lower Upper
117 100
119 95.2 76.7 115.1
121 31.1 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

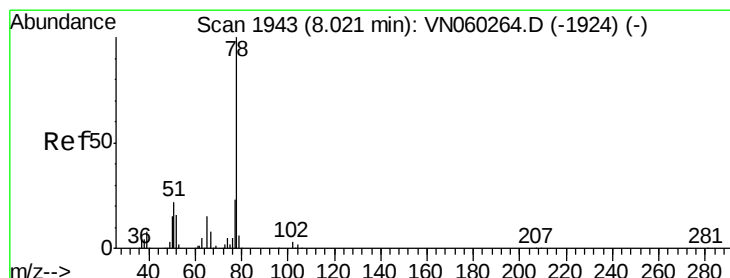
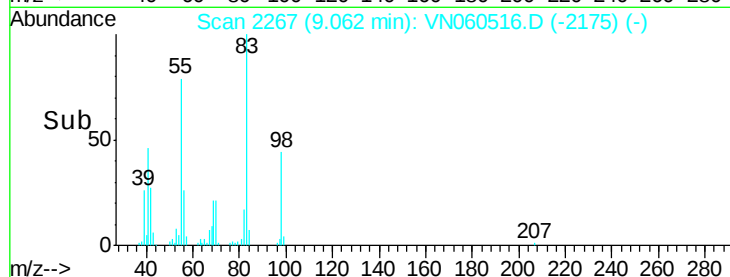
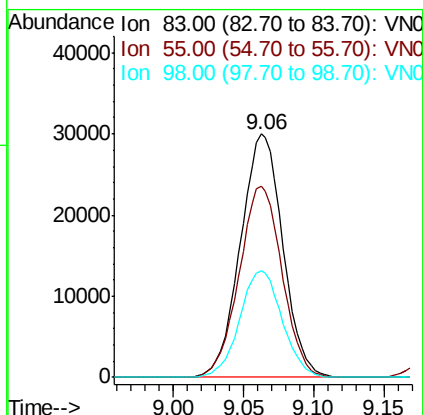
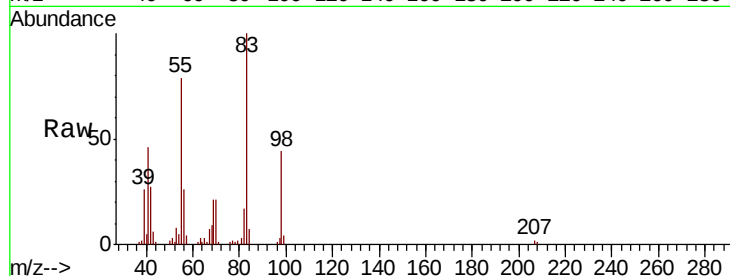




#39
Methvlcvclohexane
Concen: 16.525 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

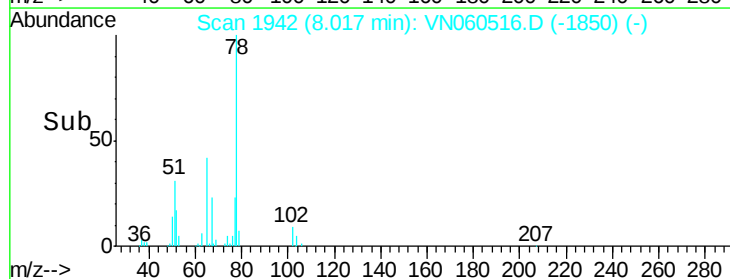
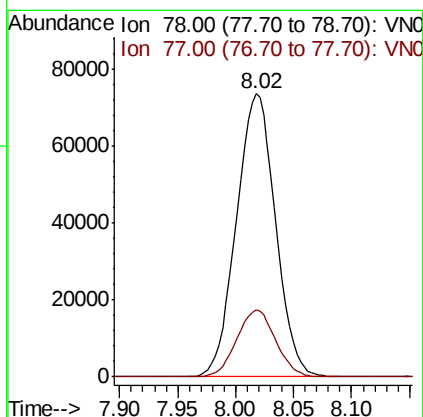
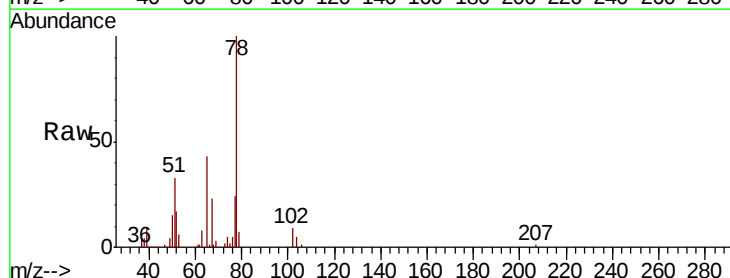
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	83	Resp	62976
Ion Ratio	Lower	Upper	
83	100		
55	78.6	61.0	91.4
98	43.7	36.1	54.1



#40
Benzene
Concen: 18.371 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	78	Resp	172825
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2

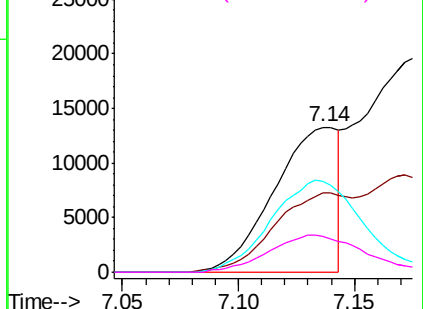
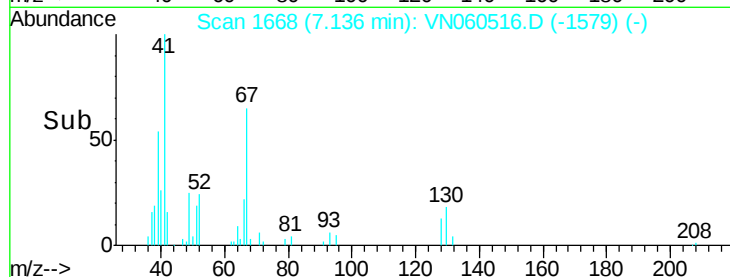
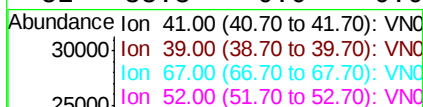
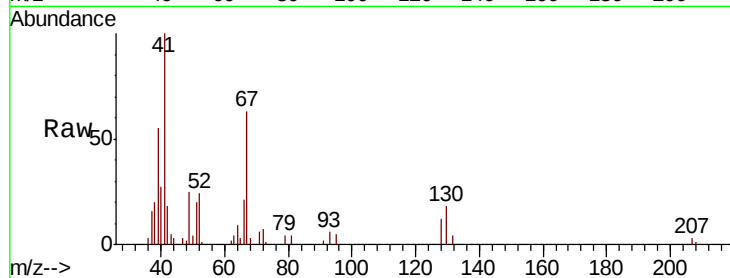




#41
Methacrylonitrile
Concen: 18.045 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

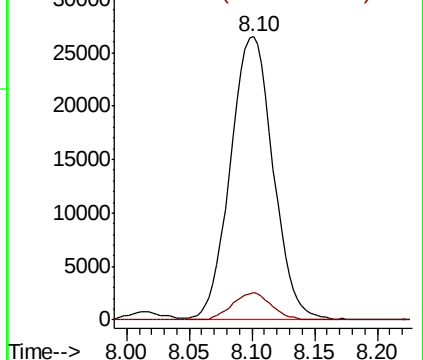
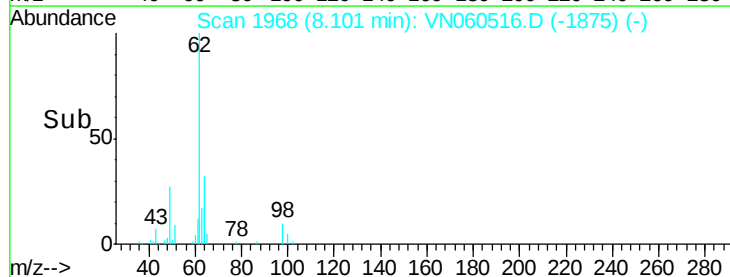
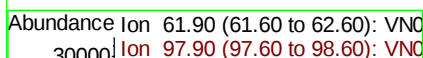
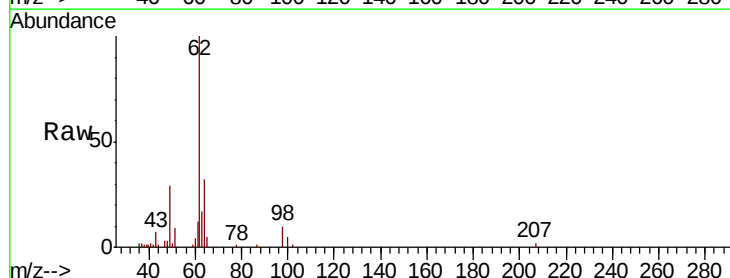
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

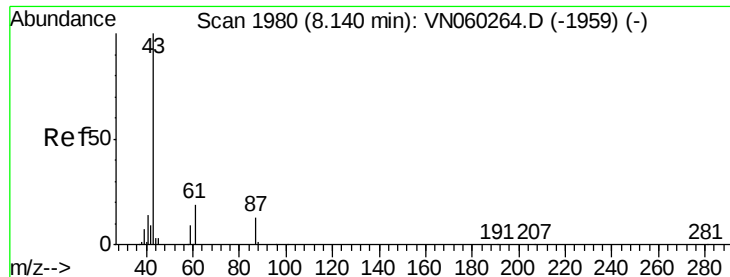
Tot Ion:	41	Resp:	25500
Ion	Ratio	Lower	Upper
41	100		
39	65.0	0.0	0.0#
67	92.3	0.0	0.0#
52	38.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.487 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion:	62	Resp:	62760
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.679 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

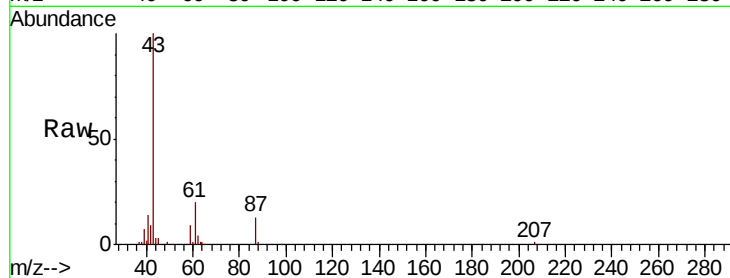
Tot Ion: 43 Resp: 105438

Ion Ratio Lower Upper

43 100

61 25.9 20.9 31.3

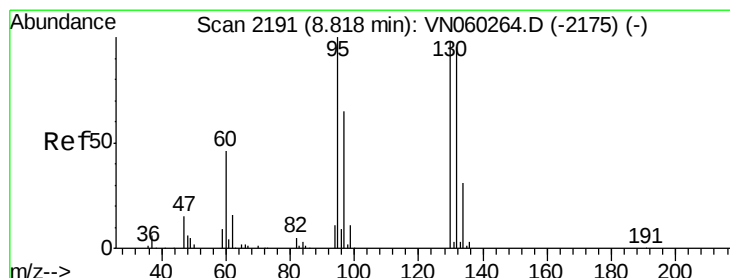
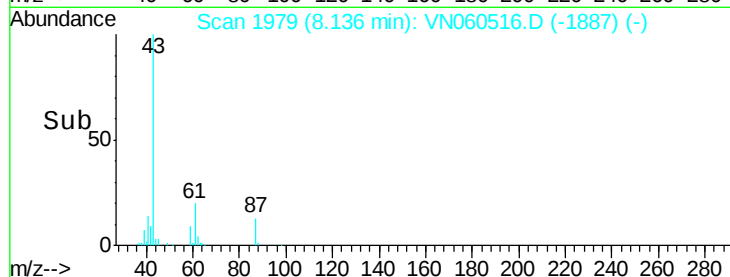
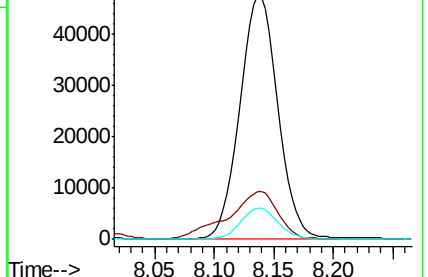
87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 17.373 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060516.D

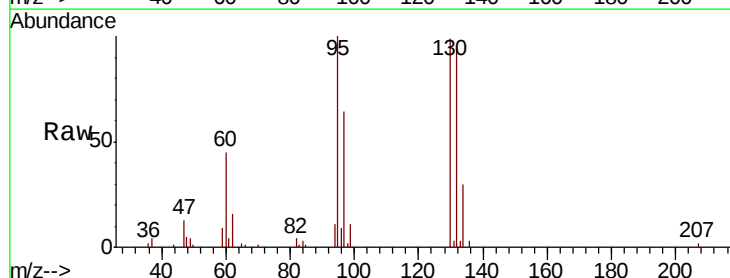
Acq: 16 Mar 2020 12:24

Tgt Ion: 130 Resp: 45518

Ion Ratio Lower Upper

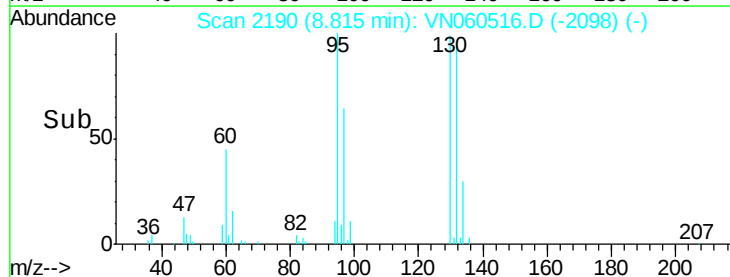
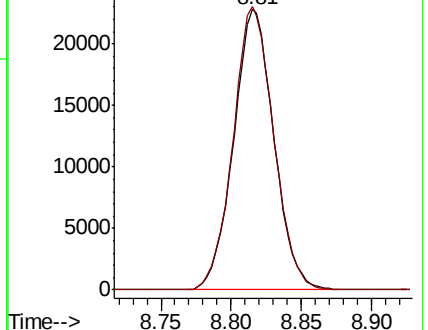
130 100

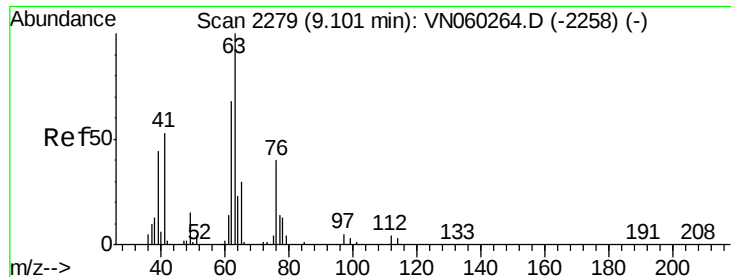
95 100.8 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.025 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

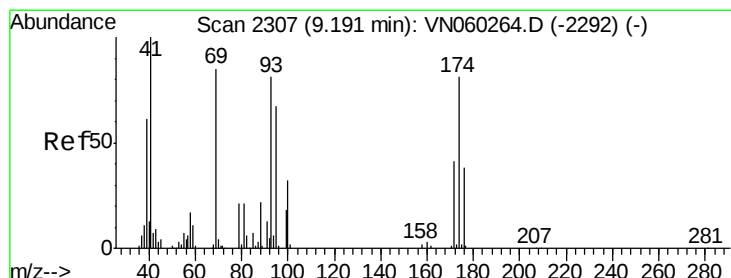
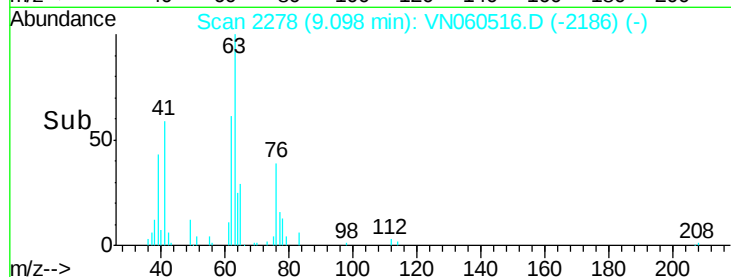
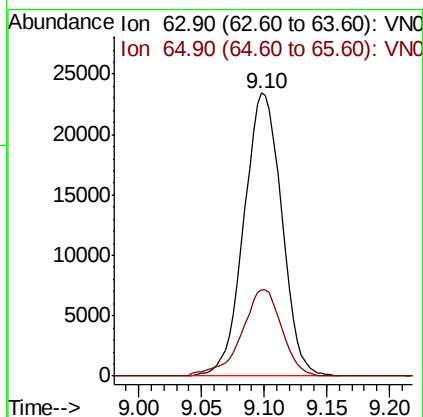
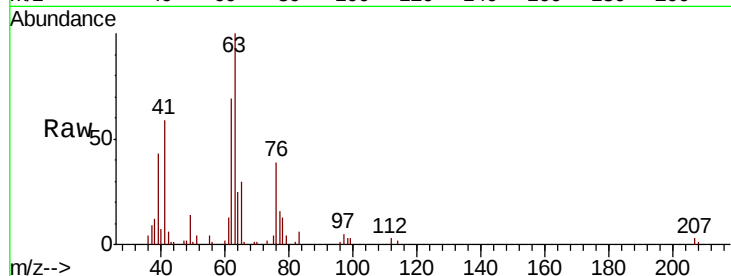
VN0316WBS01

Tot Ion: 63 Resp: 49256

Ion Ratio Lower Upper

63 100

65 30.3 24.4 36.6



#46

Dibromomethane

Concen: 18.006 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

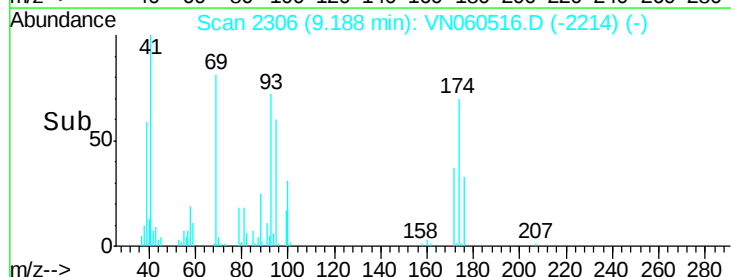
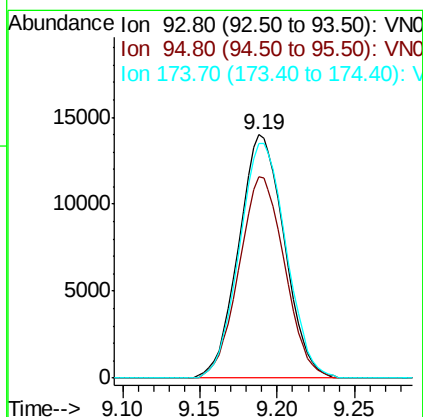
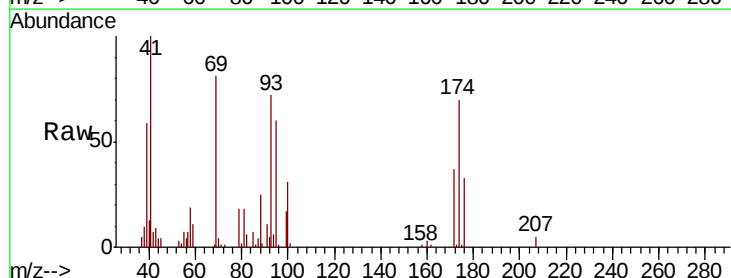
Tgt Ion: 93 Resp: 28737

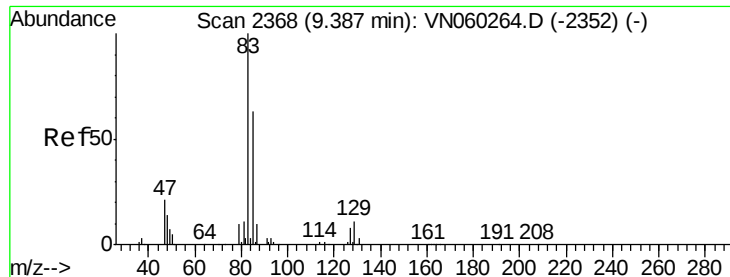
Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 98.8 79.6 119.4





#47

Bromodichloromethane

Concen: 18.927 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

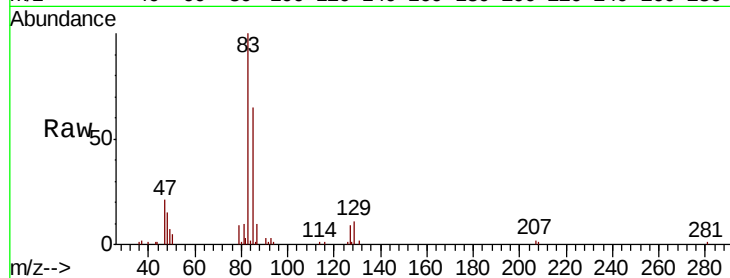
Tot Ion: 83 Resp: 61436

Ion Ratio Lower Upper

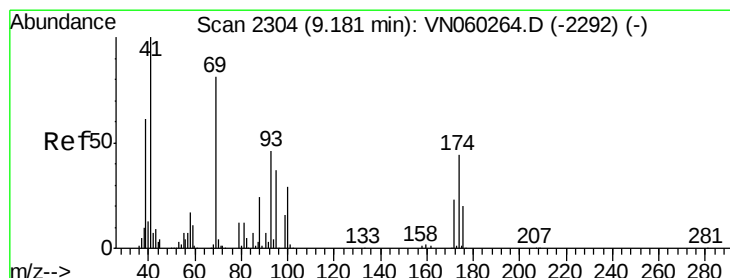
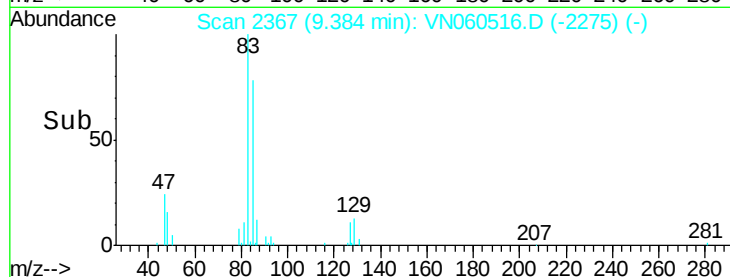
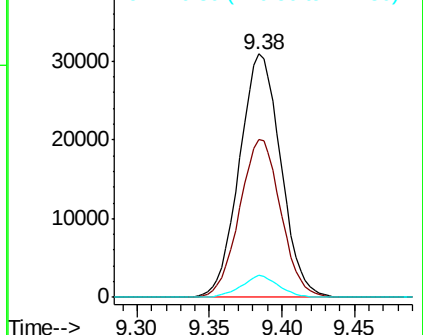
83 100

85 64.6 50.7 76.1

127 8.9 6.8 10.2



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: 18.208 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

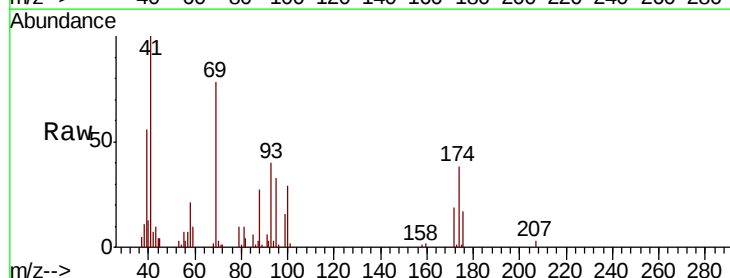
Tgt Ion: 41 Resp: 44489

Ion Ratio Lower Upper

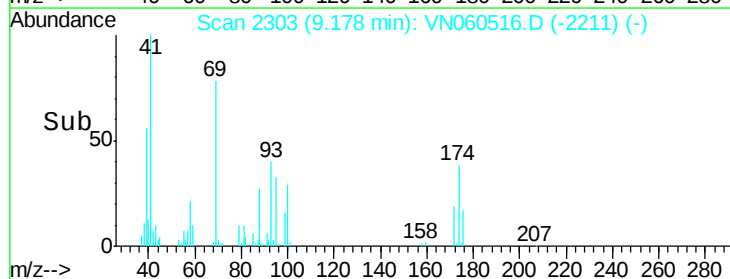
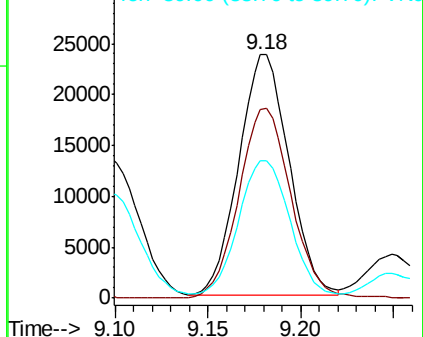
41 100

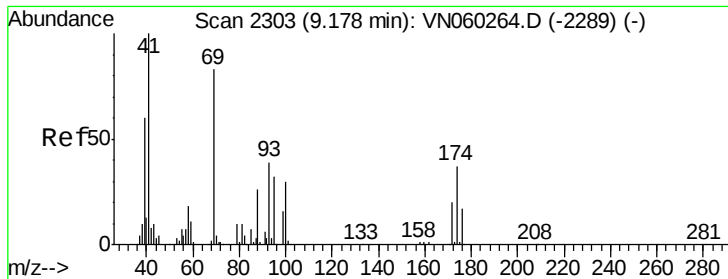
69 81.8 66.7 100.1

39 56.5 50.1 75.1



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

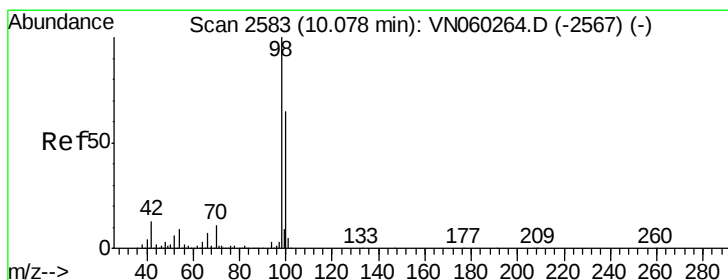
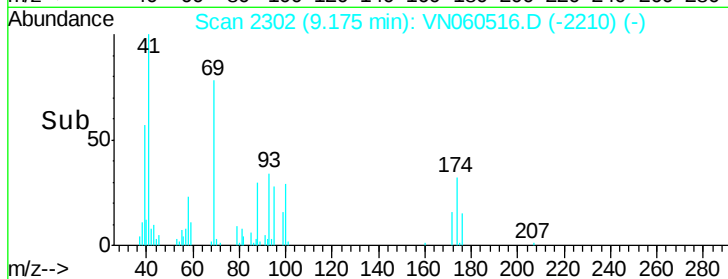
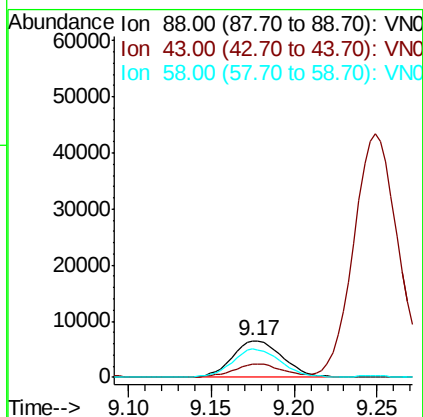
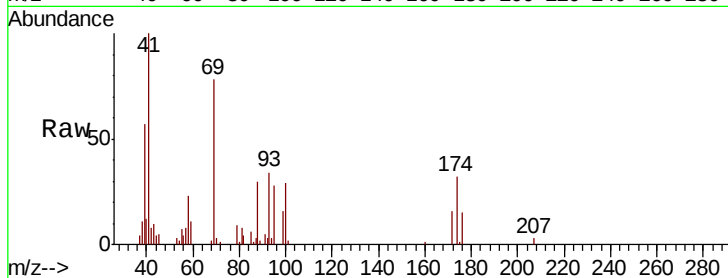




#49
1,4-Dioxane
Concen: 401.079 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

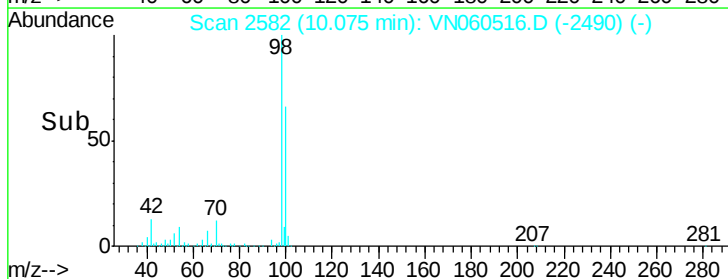
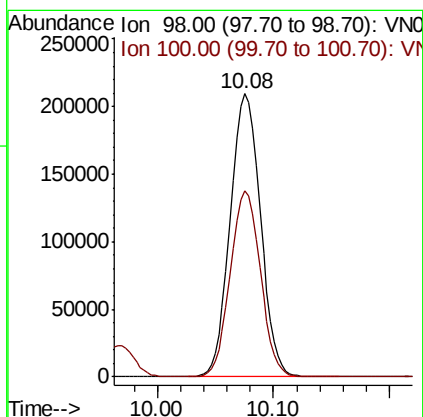
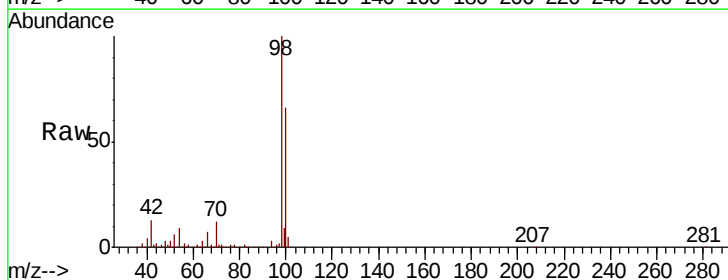
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion: 88 Resp: 13781
Ion Ratio Lower Upper
88 100
43 35.5 30.4 45.6
58 74.8 57.0 85.6



#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 98 Resp: 379099
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 99.851 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

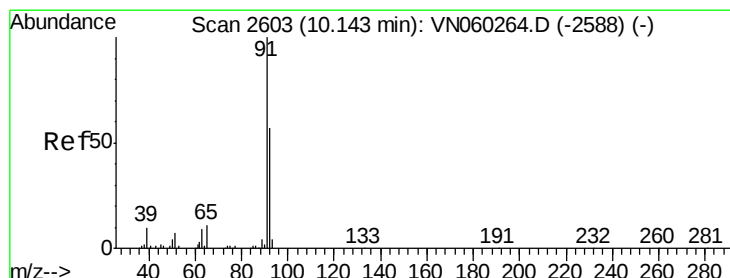
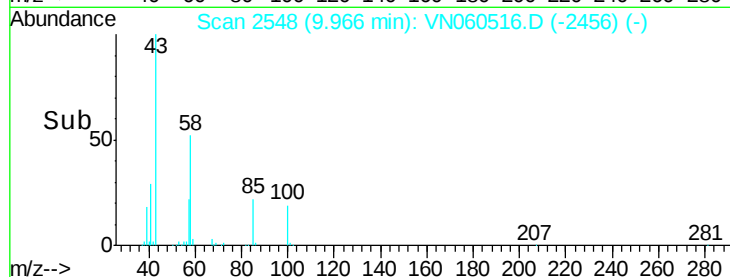
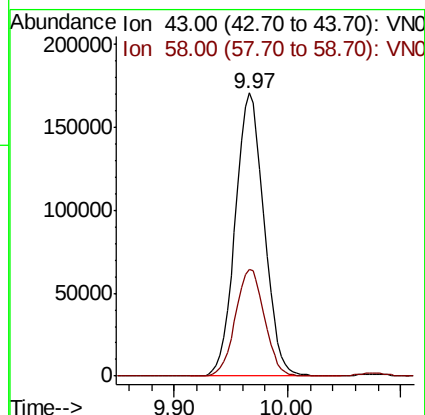
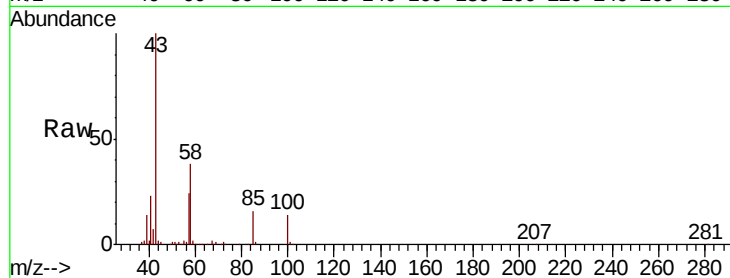
VN0316WBS01

Tot Ion: 43 Resp: 303338

Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3



#52

Toluene

Concen: 17.893 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060516.D

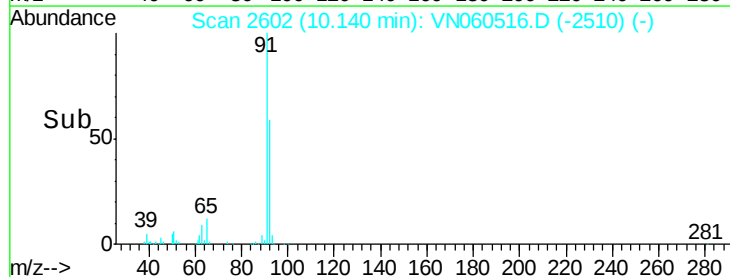
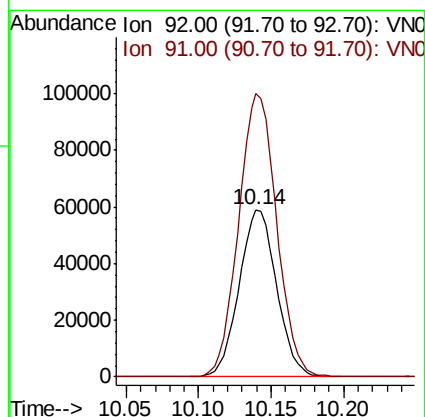
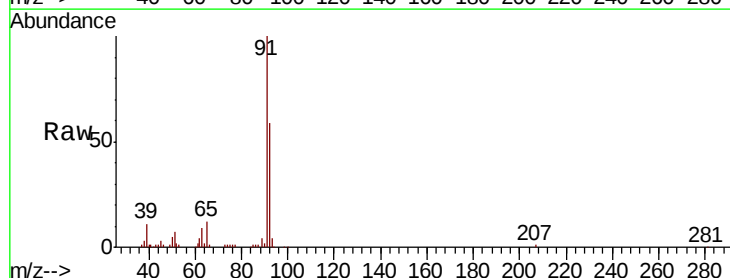
Acq: 16 Mar 2020 12:24

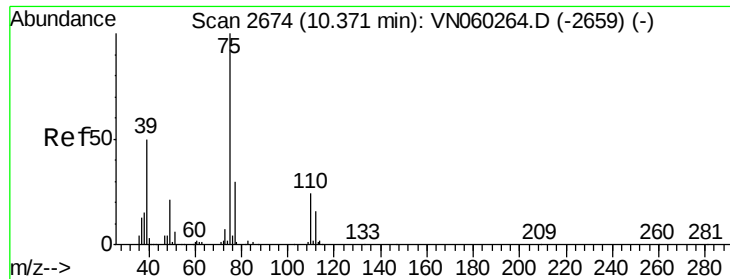
Tgt Ion: 92 Resp: 105742

Ion Ratio Lower Upper

92 100

91 172.5 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 17.925 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

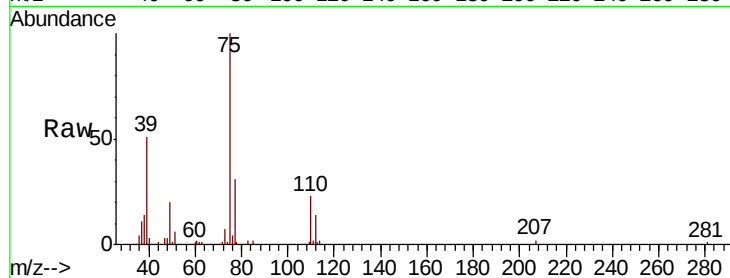
VN0316WBS01

Tot Ion: 75 Resp: 71297

Ion Ratio Lower Upper

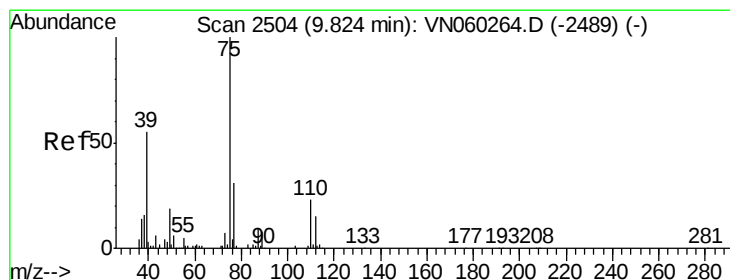
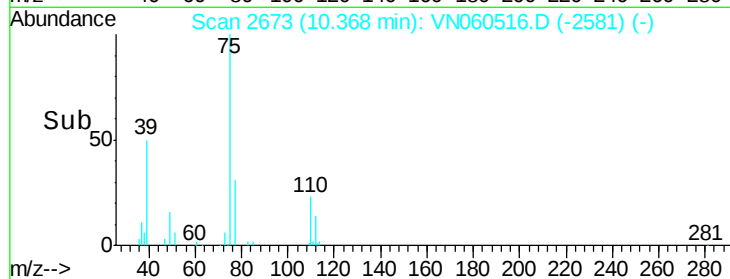
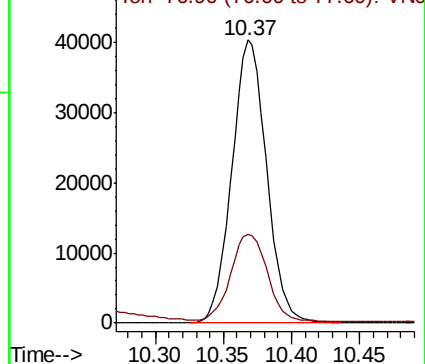
75 100

77 30.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.655 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

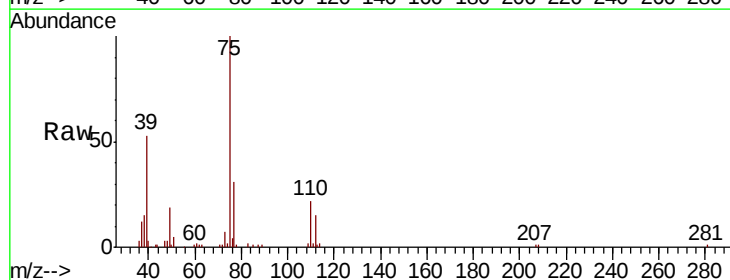
Tgt Ion: 75 Resp: 76884

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

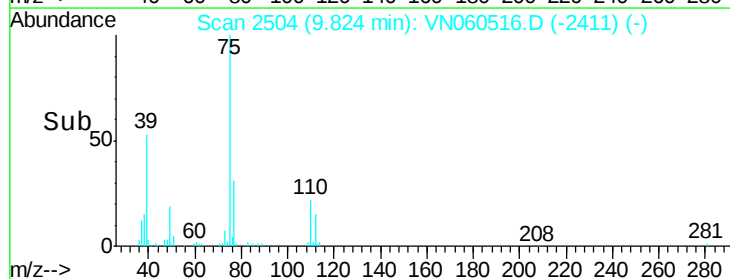
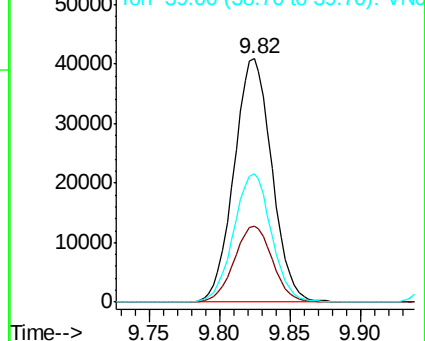
39 53.0 43.8 65.8

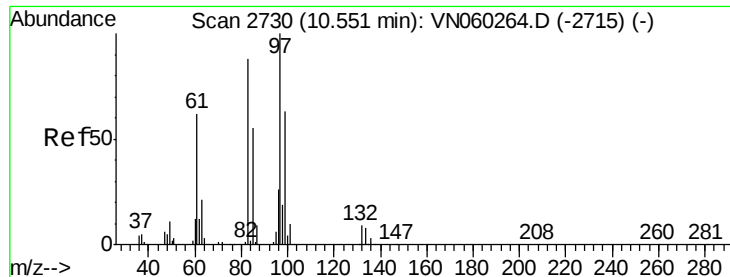


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.792 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 97 Resp: 44659

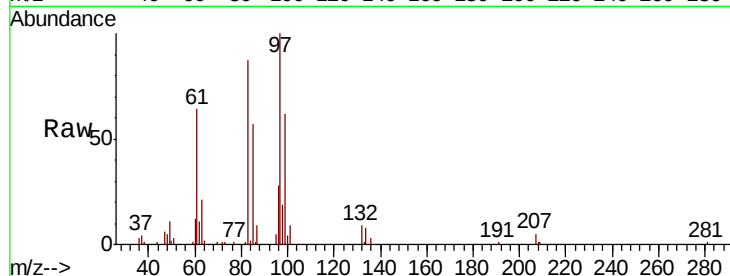
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	56.8	44.0	66.0
99	61.5	50.4	75.6

97 100

83 87.5 70.0 105.0

85 56.8 44.0 66.0

99 61.5 50.4 75.6

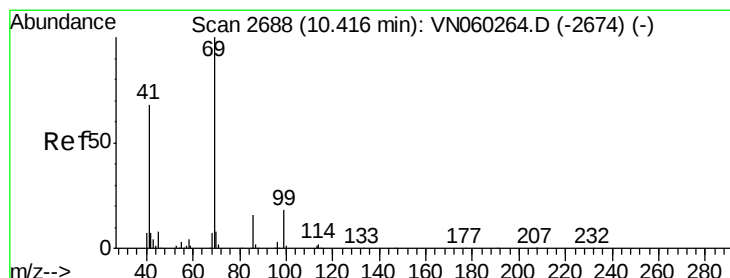
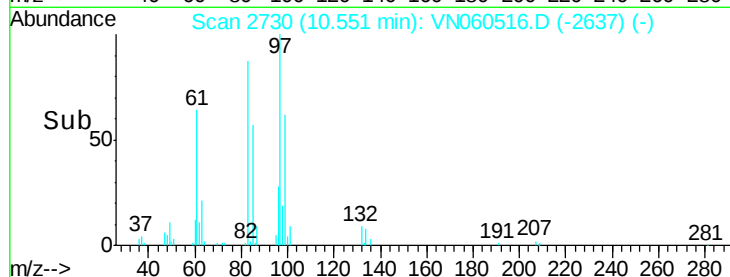
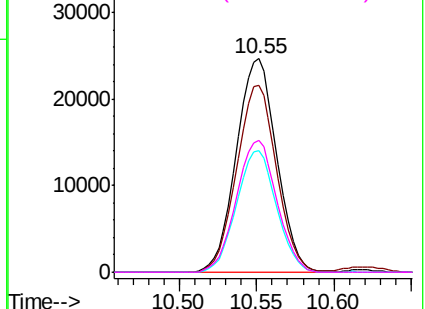


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.711 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

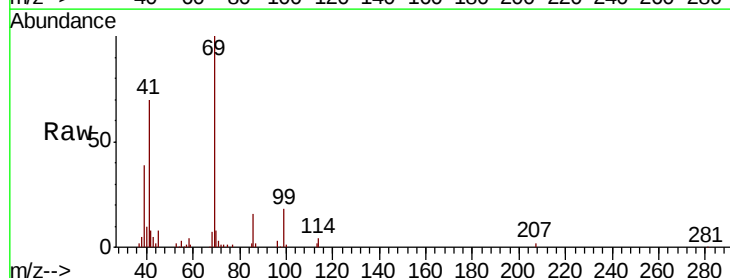
Tgt Ion: 69 Resp: 63883

Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	38.7	32.5	48.7

69 100

41 68.7 54.1 81.1

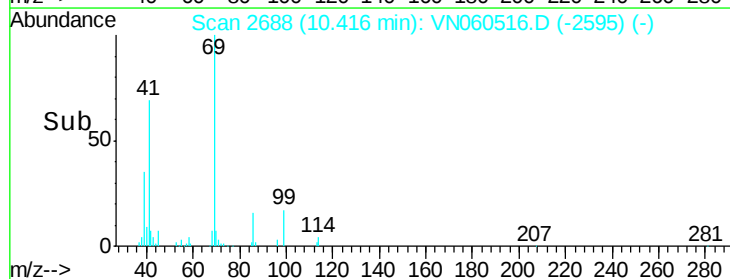
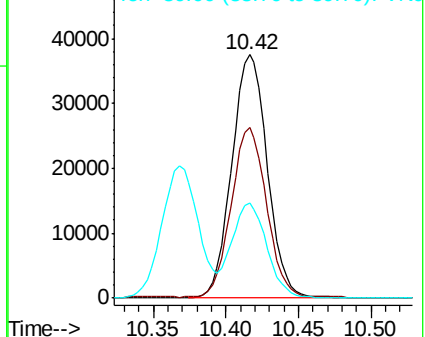
39 38.7 32.5 48.7

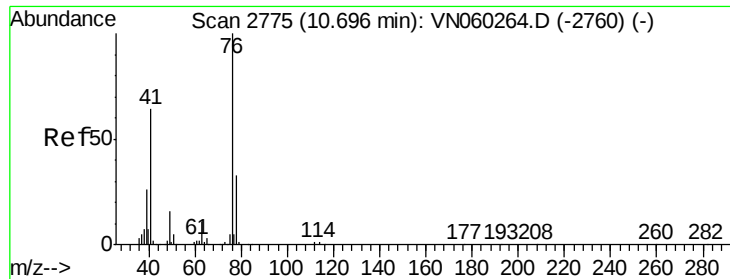


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.441 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

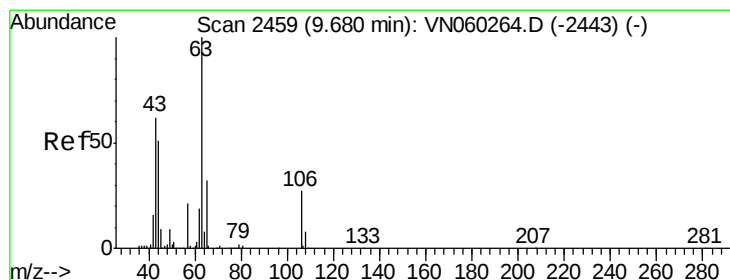
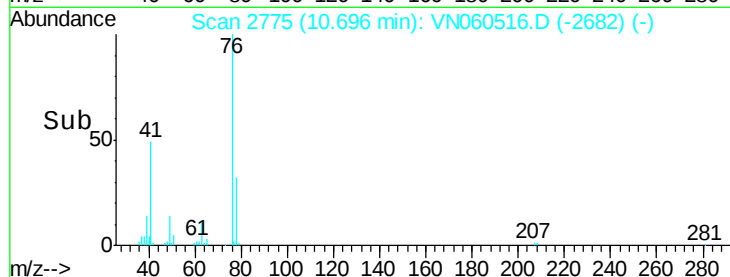
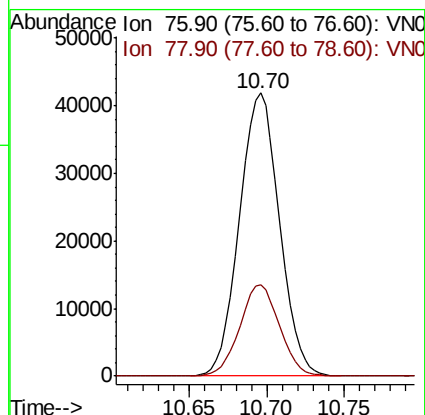
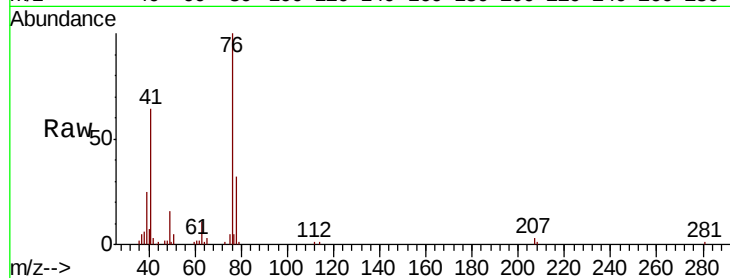
VN0316WBS01

Tot Ion: 76 Resp: 75344

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 89.485 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060516.D

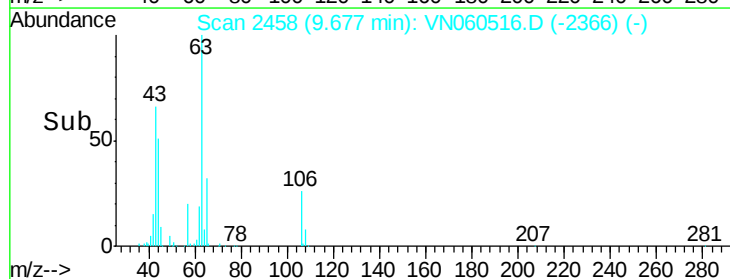
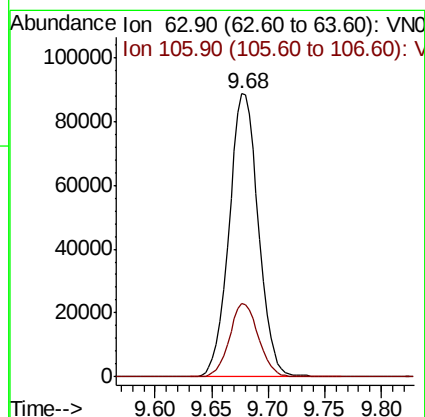
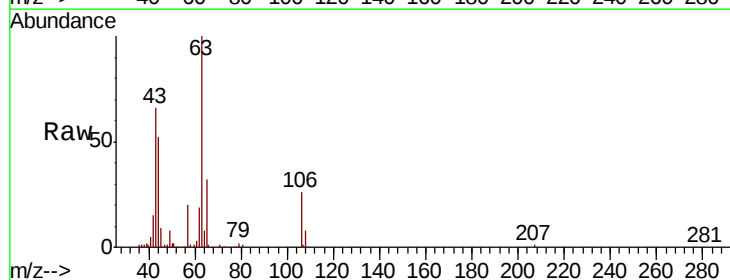
Acq: 16 Mar 2020 12:24

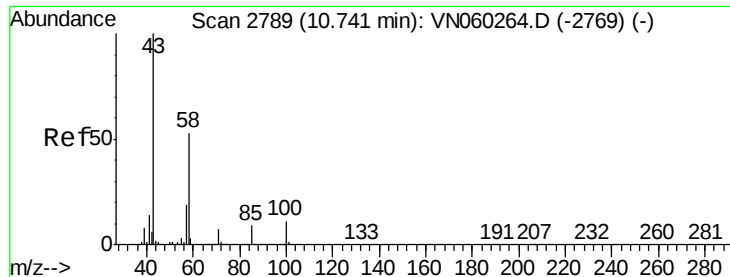
Tgt Ion: 63 Resp: 159789

Ion Ratio Lower Upper

63 100

106 25.7 21.1 31.7

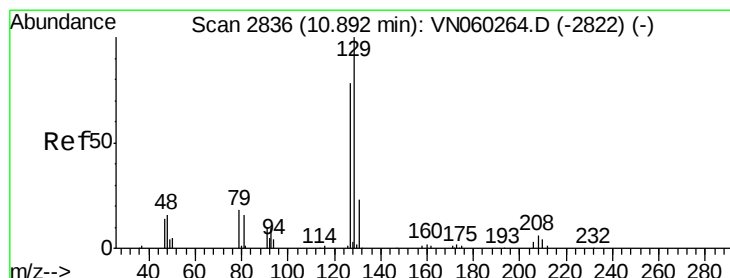
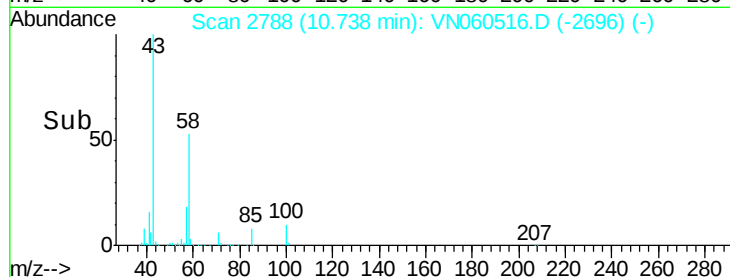
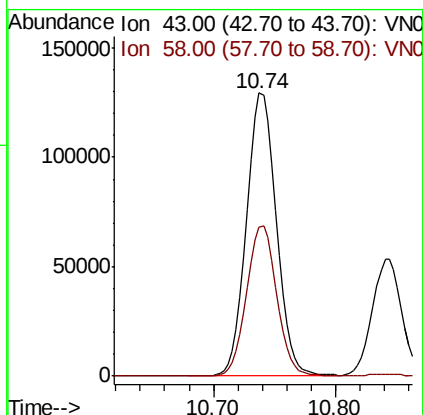
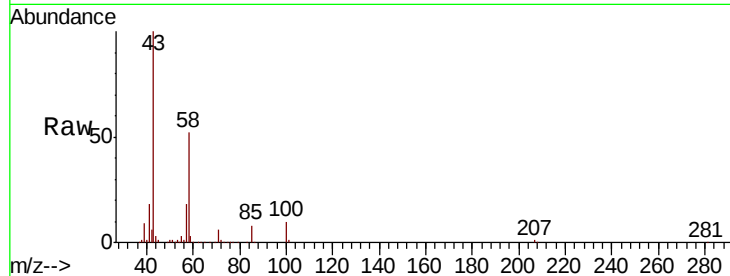




#59
2-Hexanone
Concen: 97.824 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

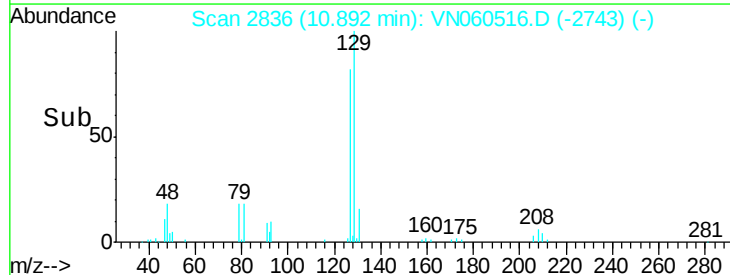
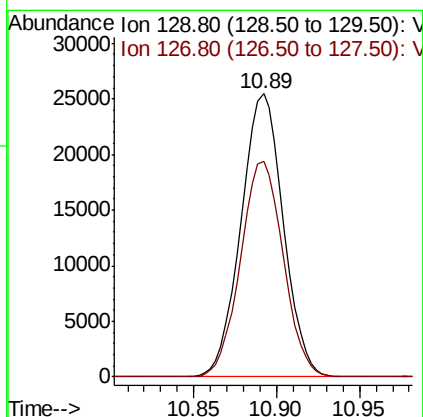
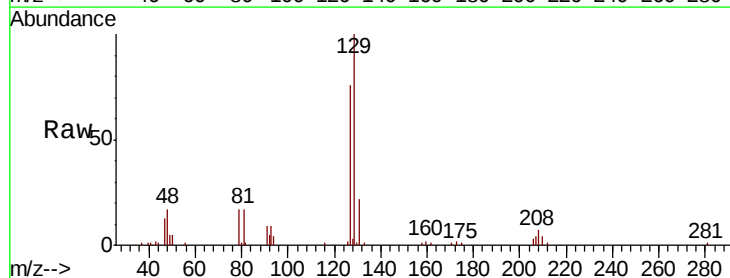
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion: 43 Resp: 218197
Ion Ratio Lower Upper
43 100
58 53.3 26.5 79.5



#60
Dibromochloromethane
Concen: 18.750 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 129 Resp: 45316
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 18.081 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

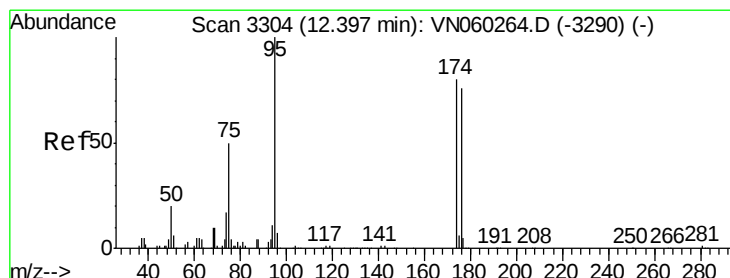
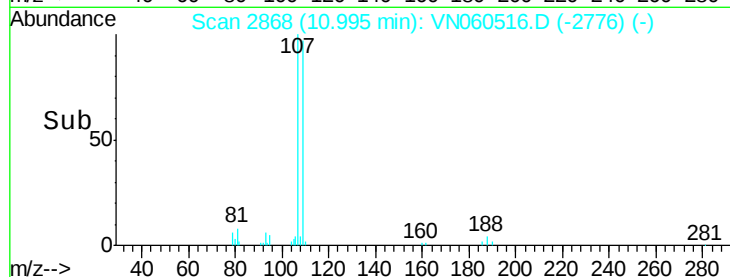
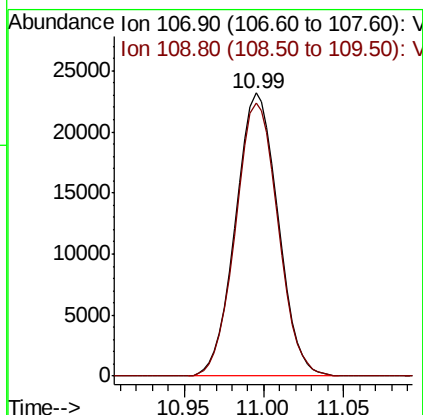
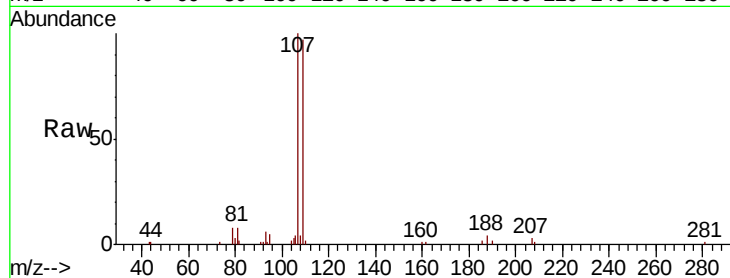
VN0316WBS01

Tot Ion:107 Resp: 41888

Ion Ratio Lower Upper

107 100

109 96.7 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 46.564 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

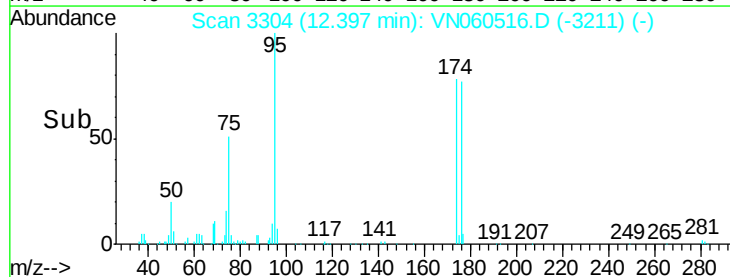
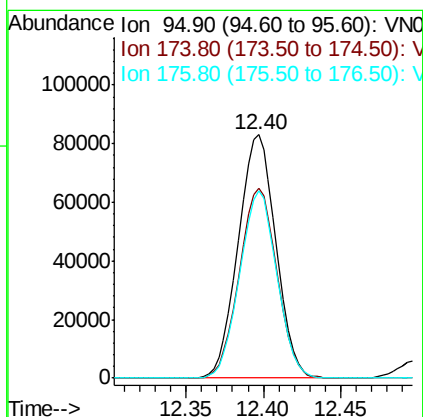
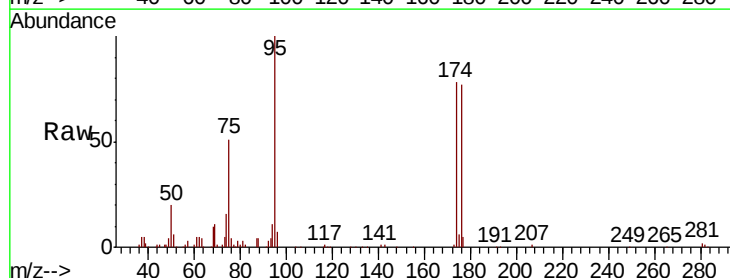
Tgt Ion: 95 Resp: 140634

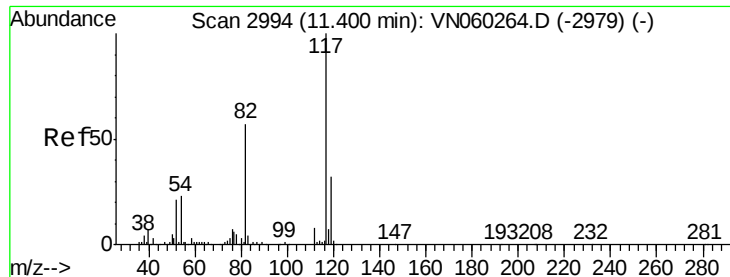
Ion Ratio Lower Upper

95 100

174 78.0 0.0 159.2

176 76.0 0.0 153.8

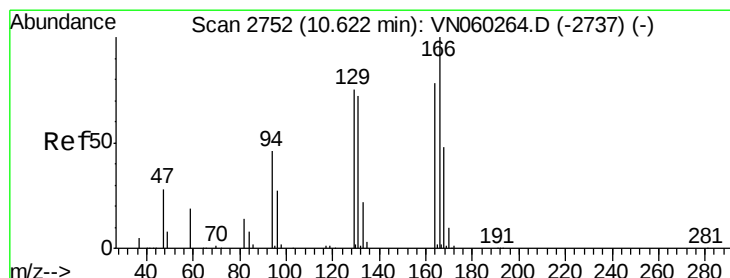
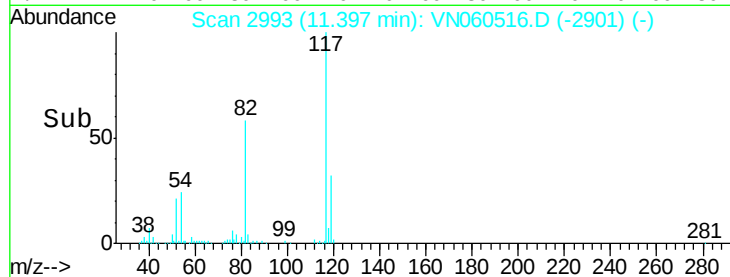
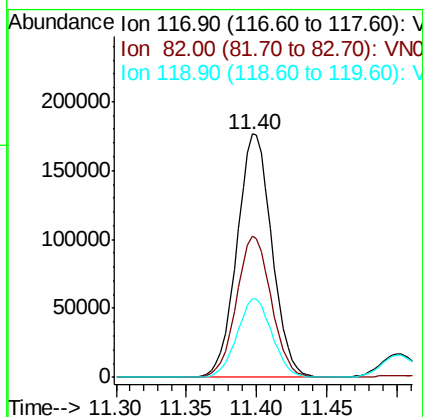
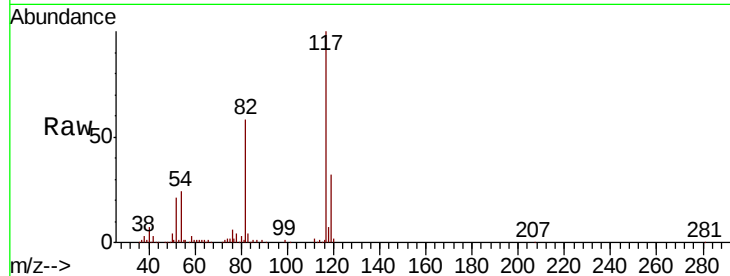




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

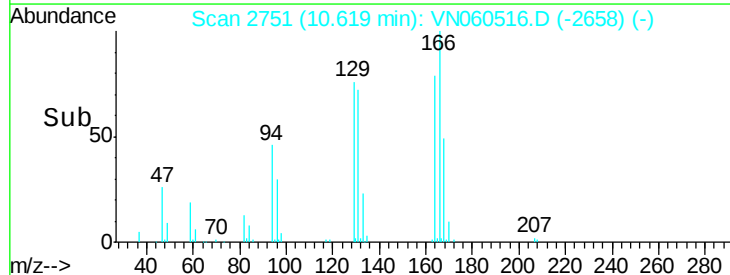
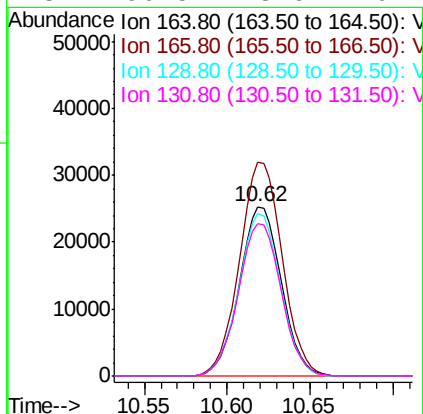
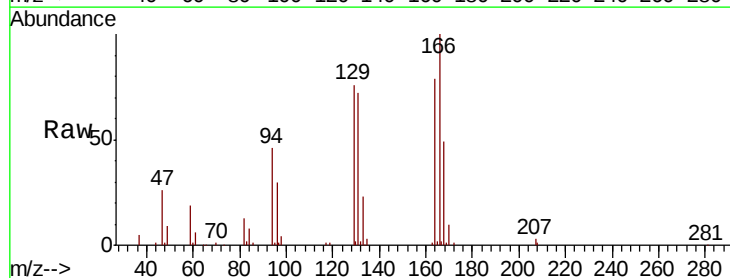
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

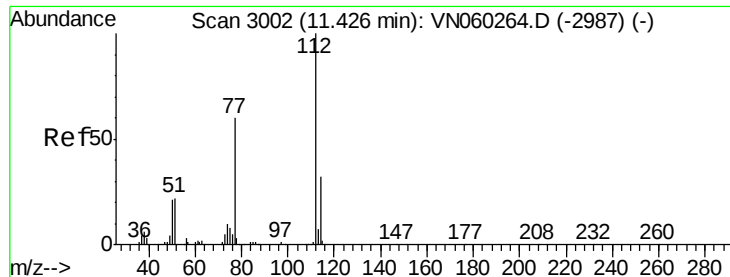
Tot Ion:117 Resp: 305410
Ion Ratio Lower Upper
117 100
82 58.1 45.8 68.6
119 32.4 25.8 38.8



#64
Tetrachloroethene
Concen: 17.580 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion:164 Resp: 44479
Ion Ratio Lower Upper
164 100
166 126.4 102.0 153.0
129 96.2 76.4 114.6
131 90.5 73.6 110.4





#65

Chlorobenzene

Concen: 18.041 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

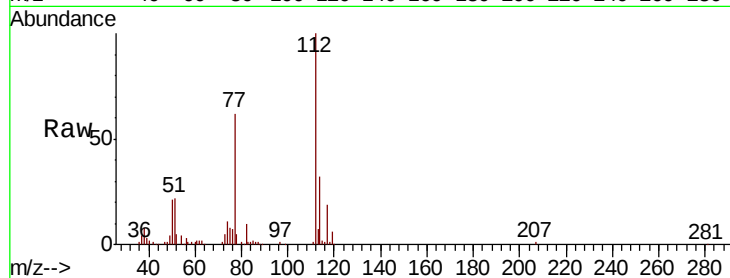
VN0316WBS01

Tot Ion:112 Resp: 111257

Ion Ratio Lower Upper

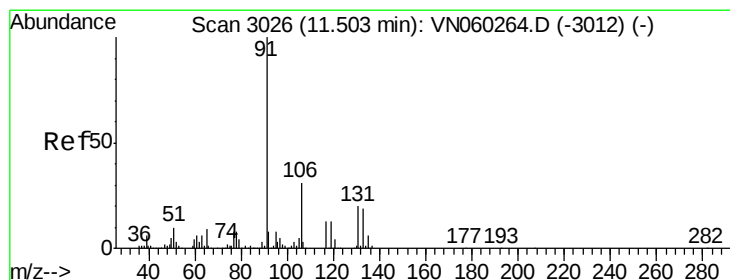
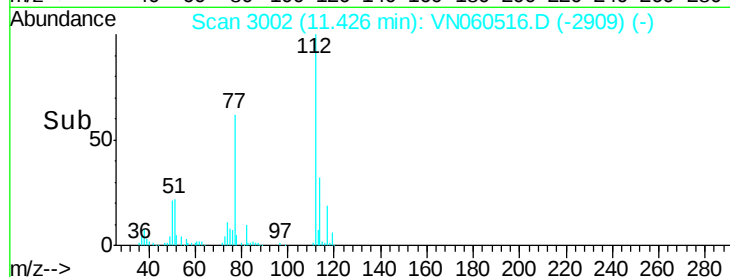
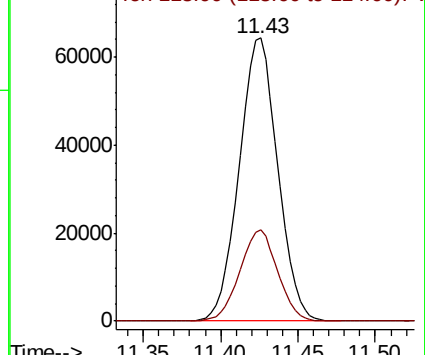
112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.724 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

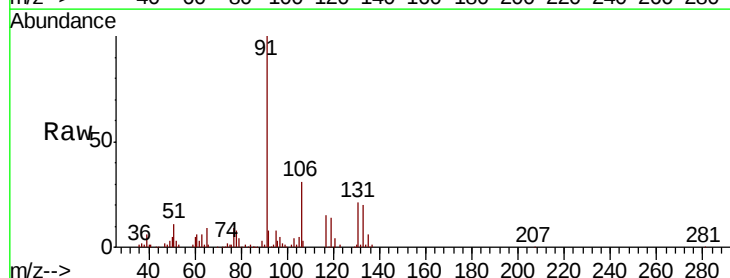
Tgt Ion:131 Resp: 42694

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

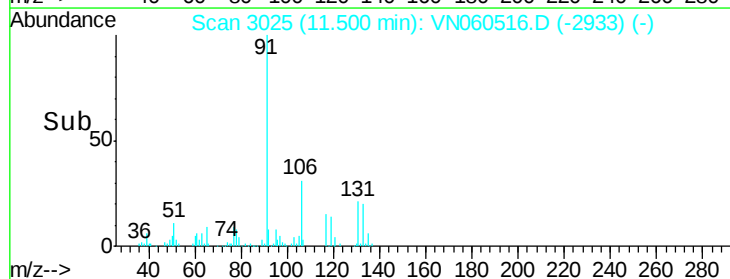
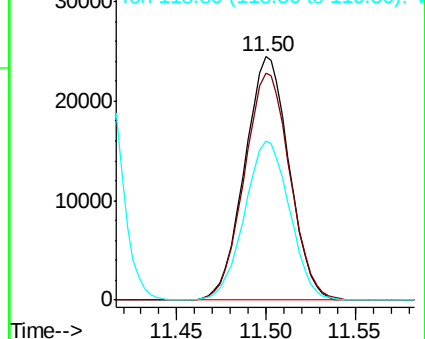
119 66.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.241 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

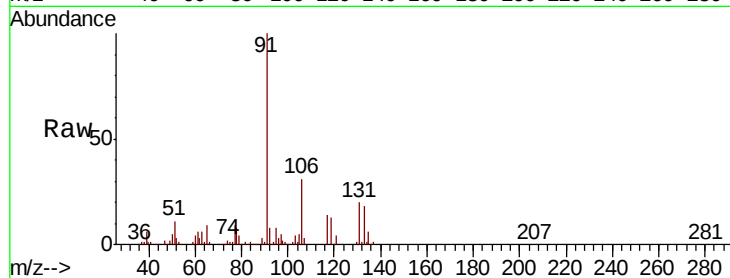
VN0316WBS01

Tot Ion: 91 Resp: 204855

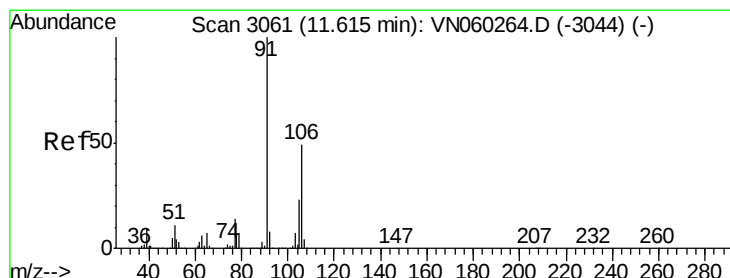
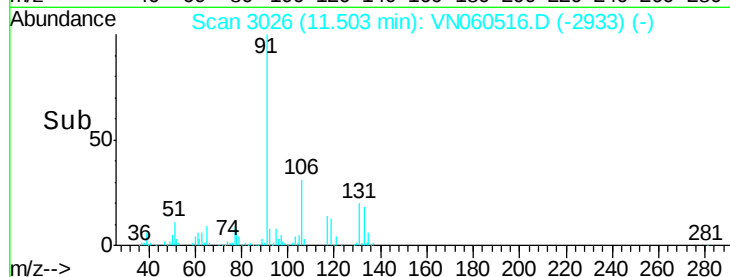
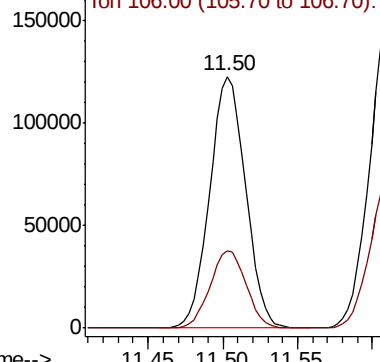
Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060516.D (-2933) (-)



#68

m/p-Xylenes

Concen: 35.746 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060516.D

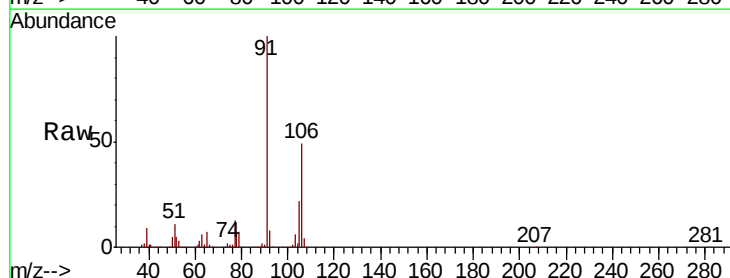
Acq: 16 Mar 2020 12:24

Tgt Ion: 106 Resp: 151464

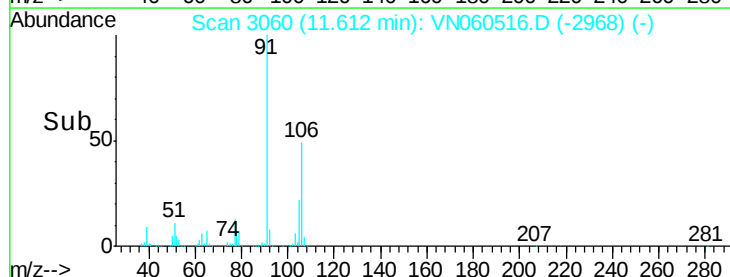
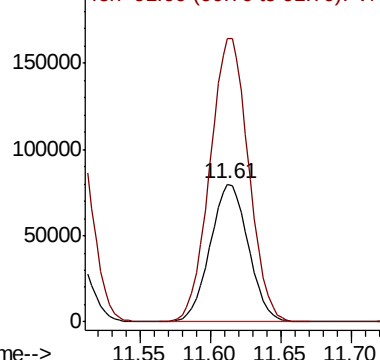
Ion Ratio Lower Upper

106 100

91 208.3 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060516.D (-2968) (-)

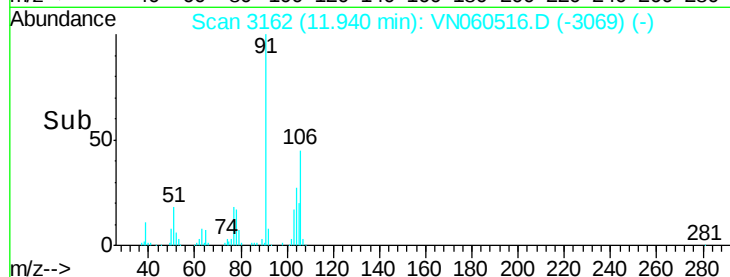
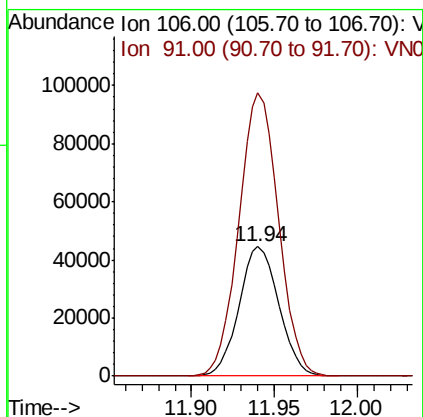
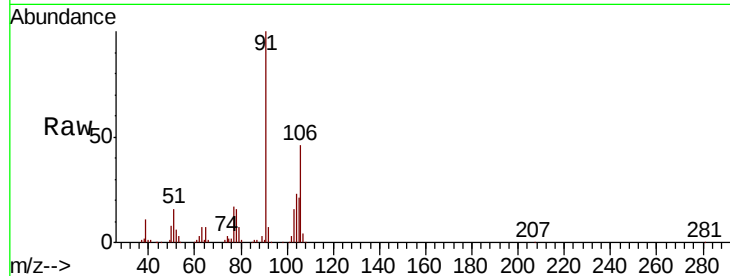




#69
o-Xylene
Concen: 18.445 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

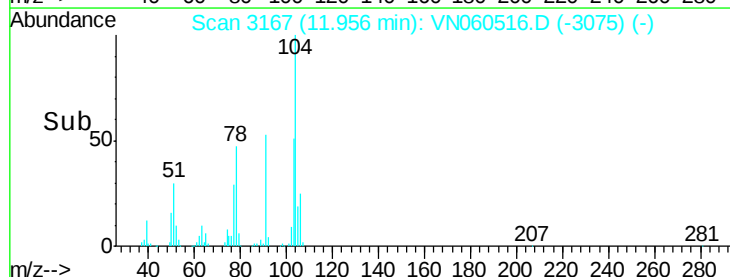
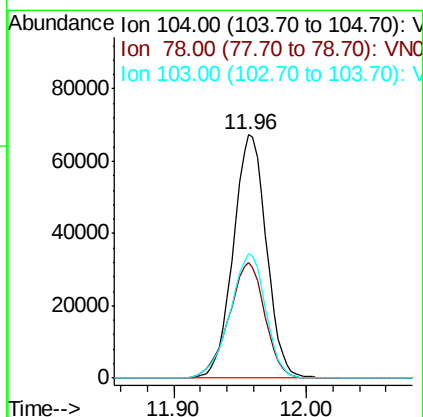
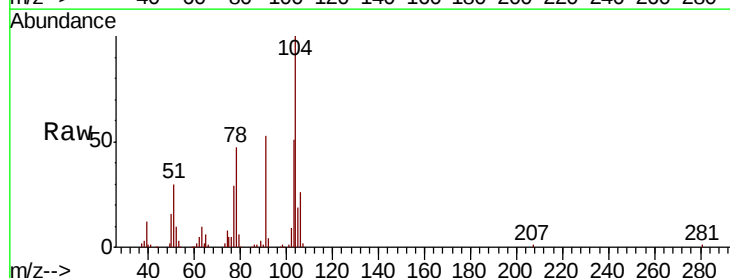
Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

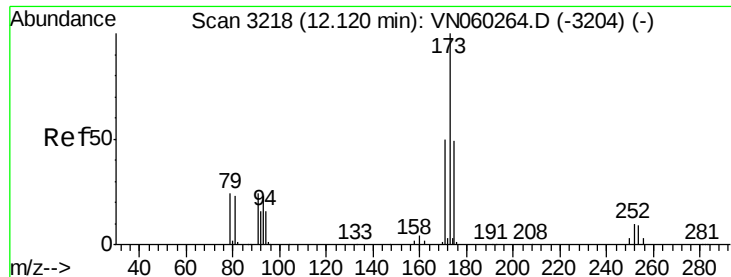
Tot Ion:106 Resp: 74527
Ion Ratio Lower Upper
106 100
91 217.3 109.5 328.4



#70
Styrene
Concen: 17.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion:104 Resp: 116786
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.0 43.9 65.9

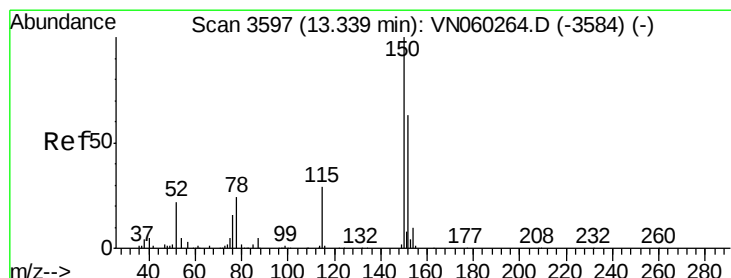
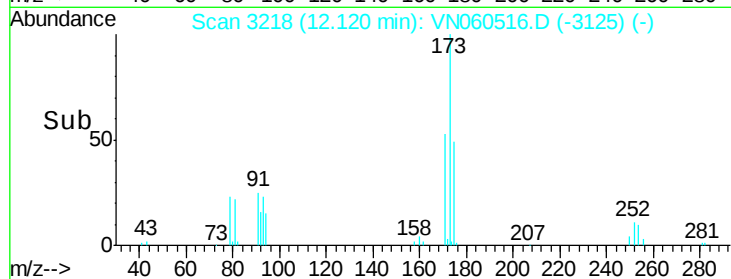
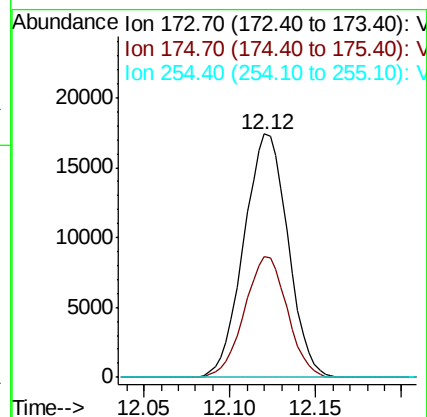
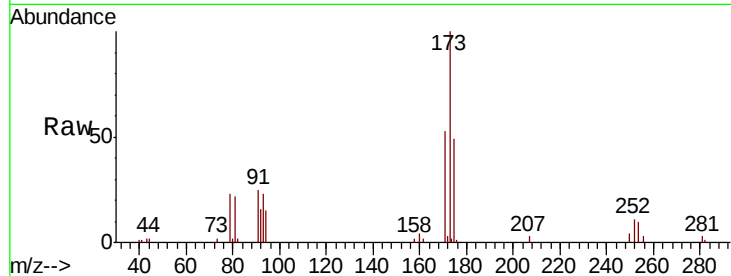




#71
Bromoform
Concen: 18.825 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

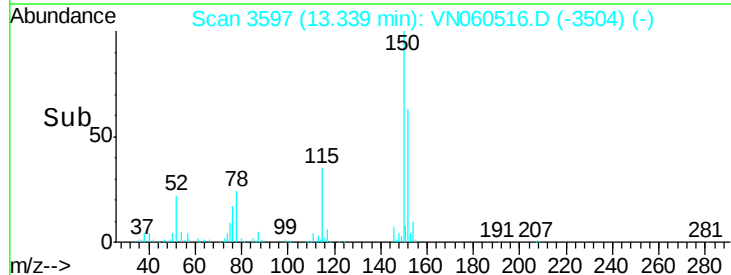
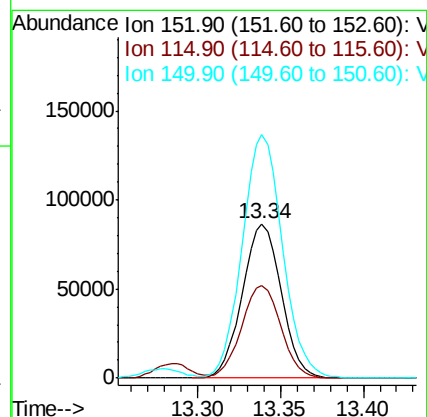
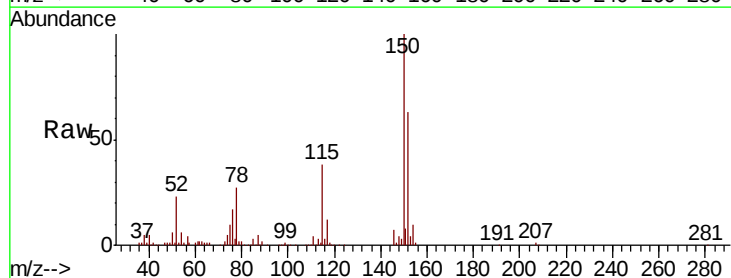
Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

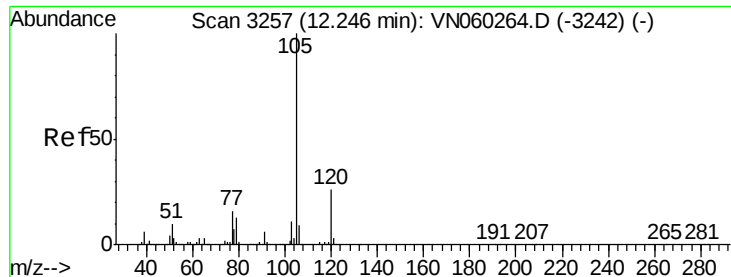
Tot Ion:173 Resp: 30937
Ion Ratio Lower Upper
173 100
175 47.9 24.1 72.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion:152 Resp: 141921
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.0
150 163.4 0.0 349.6





#73

Isopropylbenzene

Concen: 19.012 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

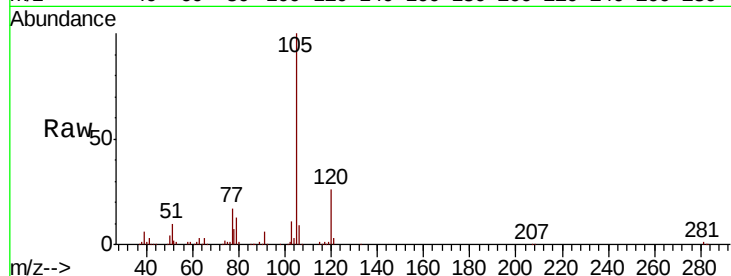
VN0316WBS01

Tot Ion:105 Resp: 199992

Ion Ratio Lower Upper

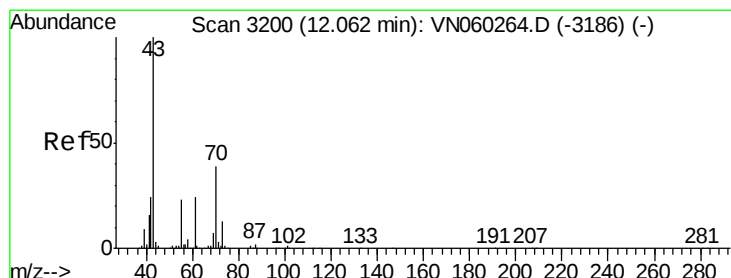
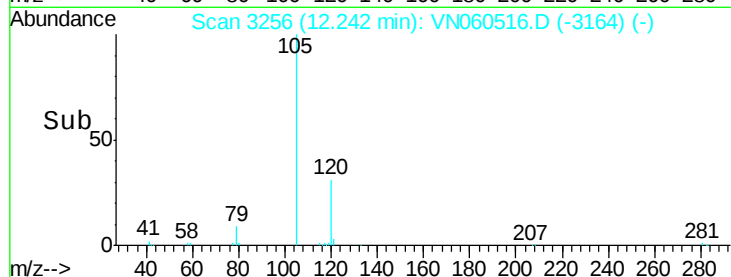
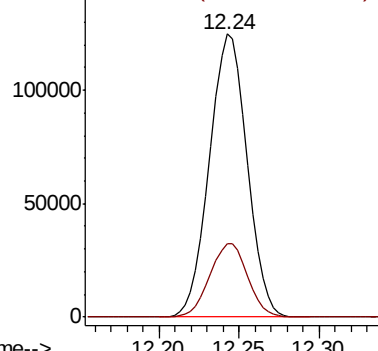
105 100

120 26.0 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.138 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion: 43 Resp: 87970

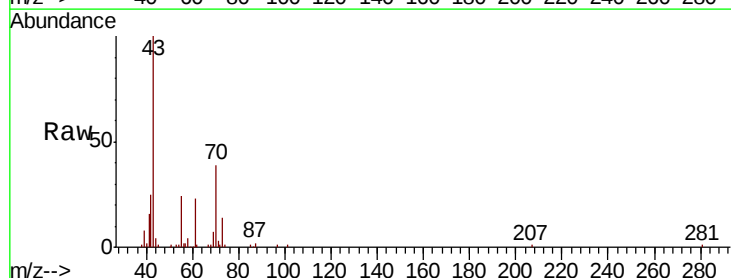
Ion Ratio Lower Upper

43 100

70 37.9 32.2 48.2

55 23.3 18.2 27.4

61 22.8 19.2 28.8

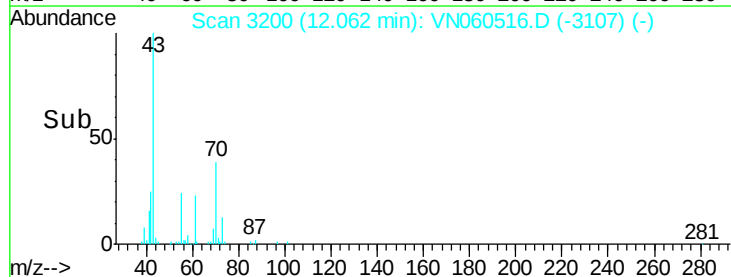
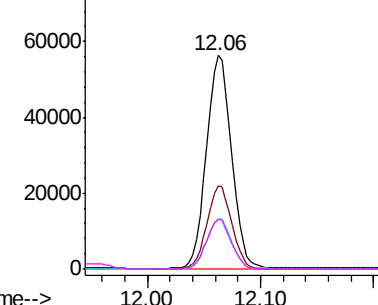


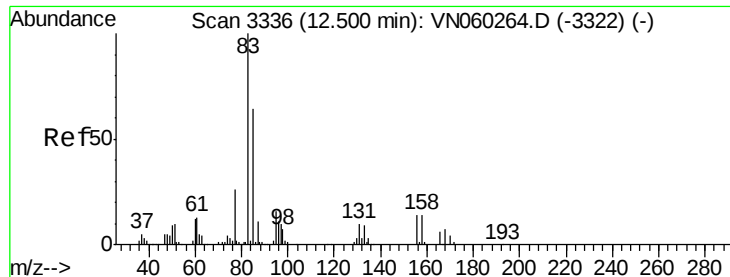
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.784 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

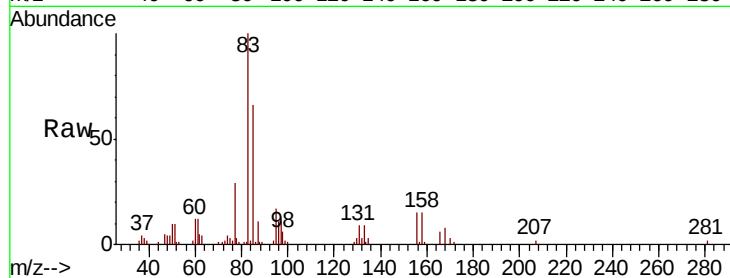
Tot Ion: 83 Resp: 59427

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

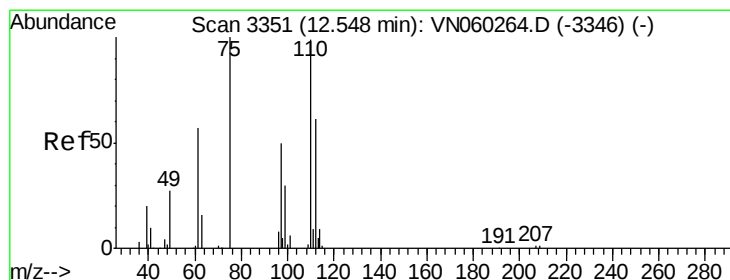
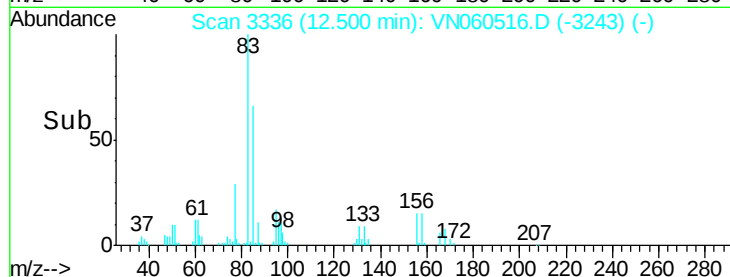
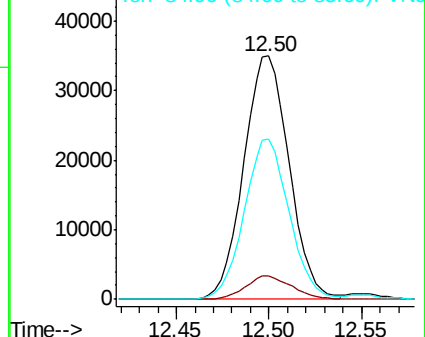
85 64.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060516.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060516.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060516.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 26.488 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060516.D

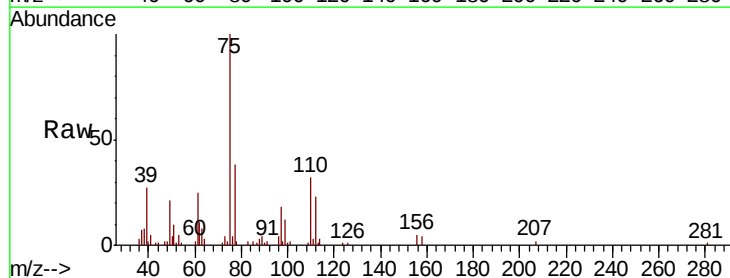
Acq: 16 Mar 2020 12:24

Tgt Ion: 75 Resp: 82476

Ion Ratio Lower Upper

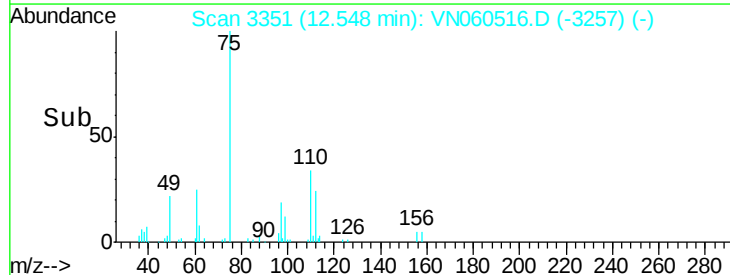
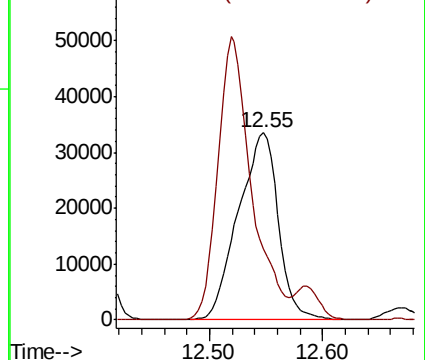
75 100

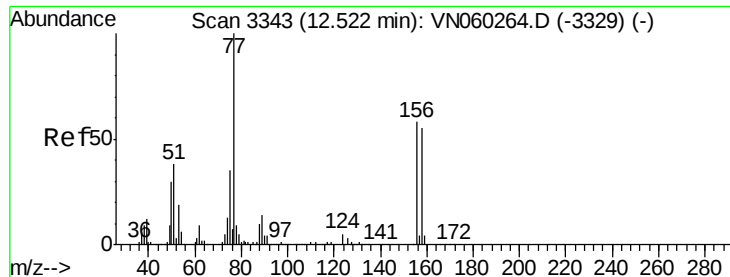
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060516.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060516.D (-3257) (-)





#77

Bromobenzene

Concen: 18.352 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

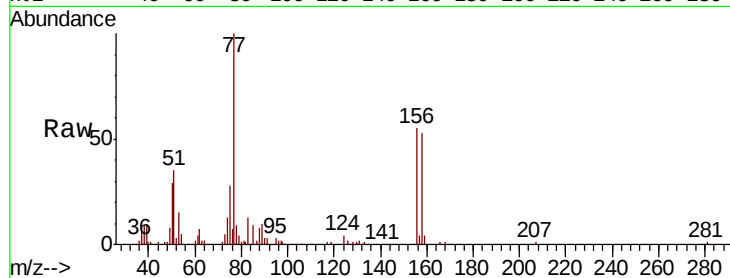
Tot Ion:156 Resp: 47321

Ion Ratio Lower Upper

156 100

77 221.3 106.1 318.3

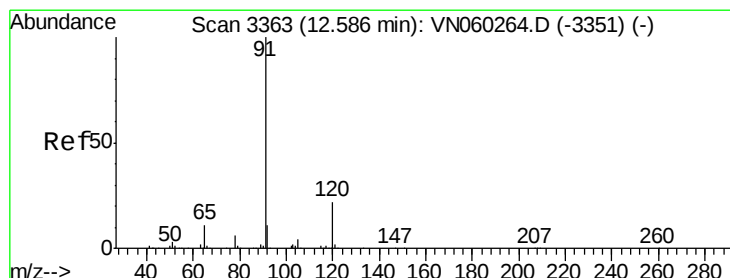
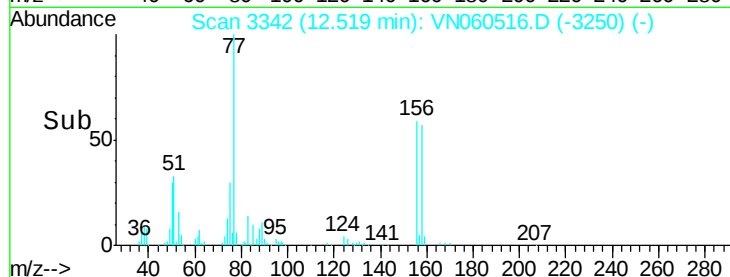
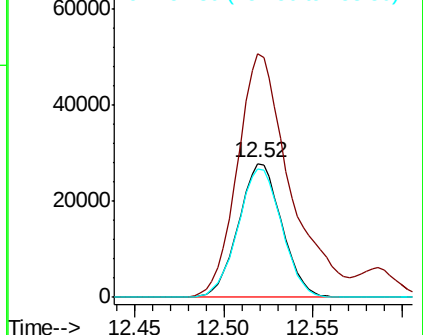
158 97.2 48.3 144.8



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: 18.786 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060516.D

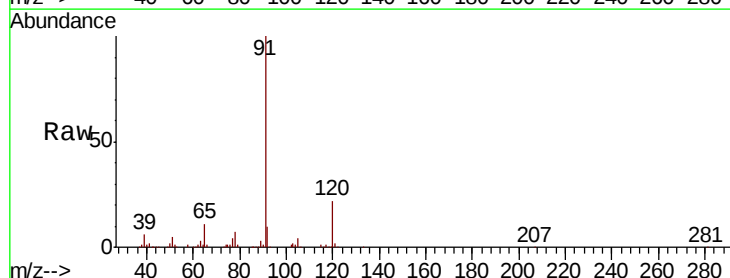
Acq: 16 Mar 2020 12:24

Tgt Ion: 91 Resp: 231634

Ion Ratio Lower Upper

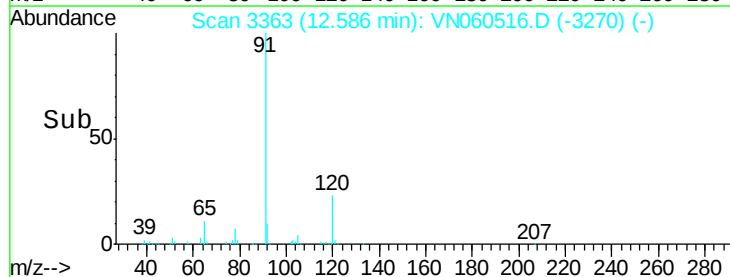
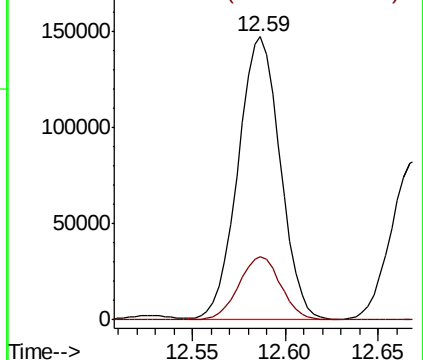
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

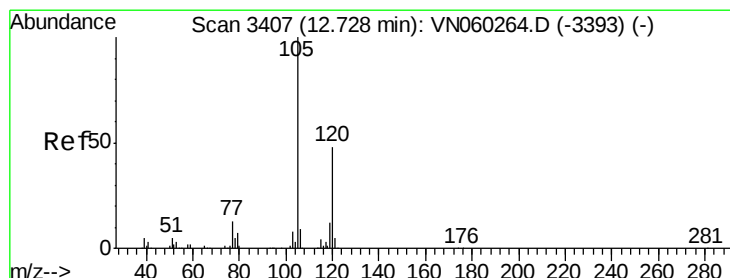
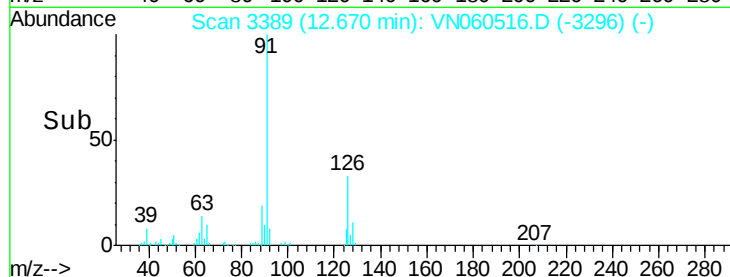
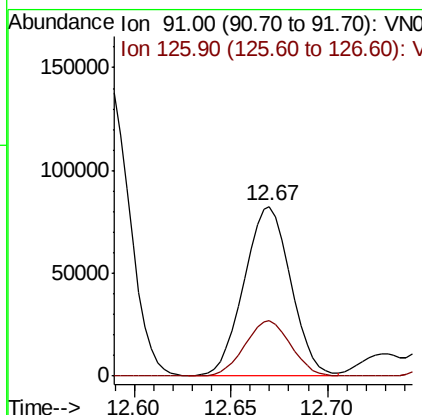
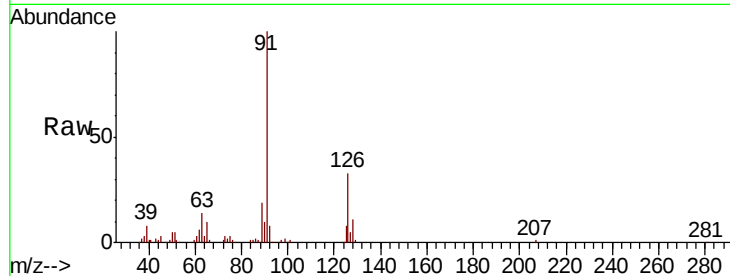




#79
 2-Chlorotoluene
 Concen: 19.084 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

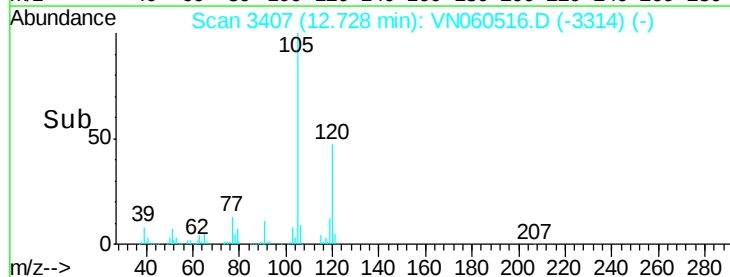
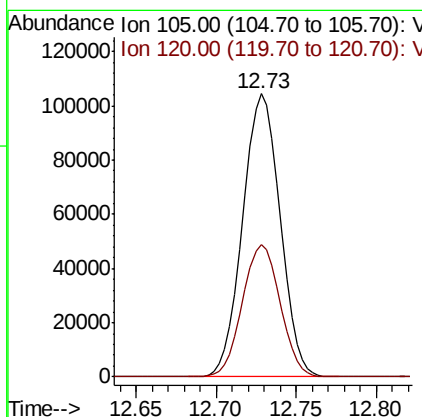
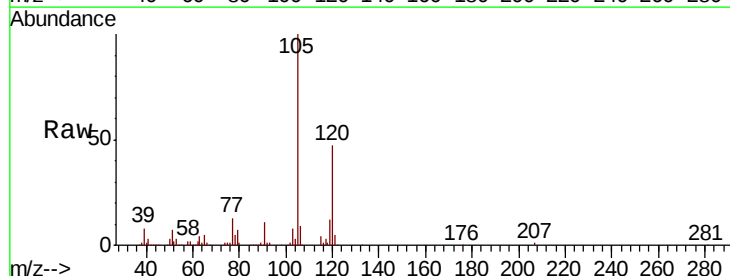
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

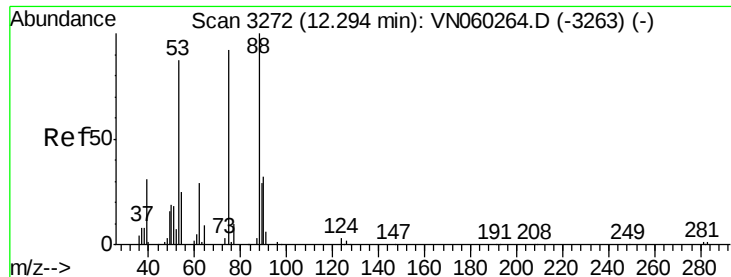
Tot Ion: 91 Resp: 138317
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.832 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 105 Resp: 166784
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.685 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

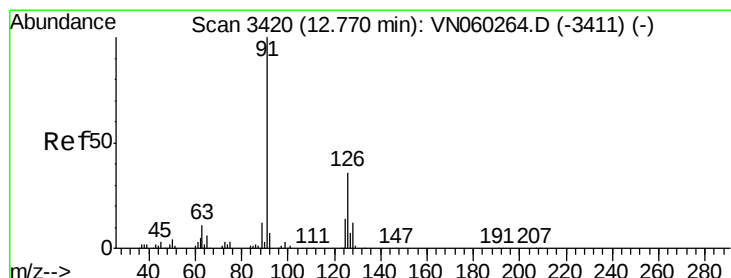
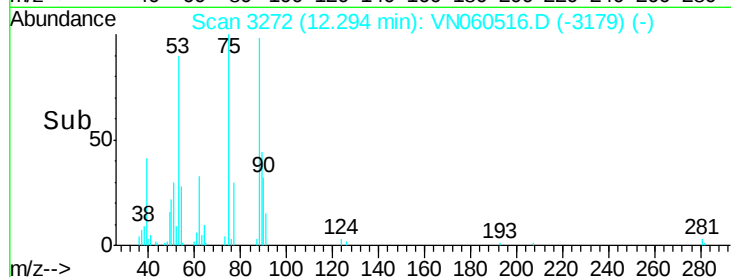
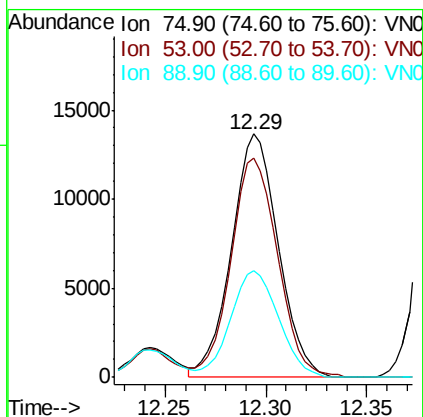
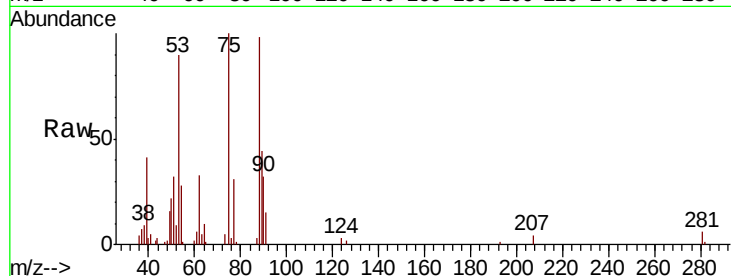
Tot Ion: 75 Resp: 22204

Ion Ratio Lower Upper

75 100

53 90.4 73.8 110.6

89 44.9 57.1 85.7#



#82

4-Chlorotoluene

Concen: 18.502 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060516.D

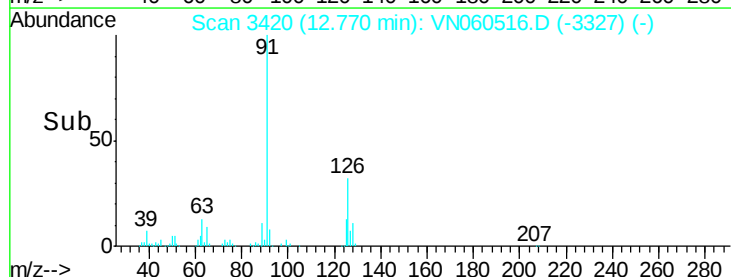
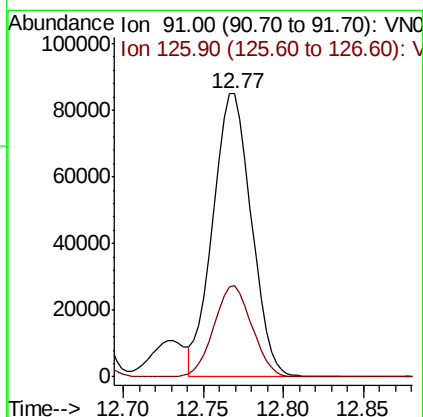
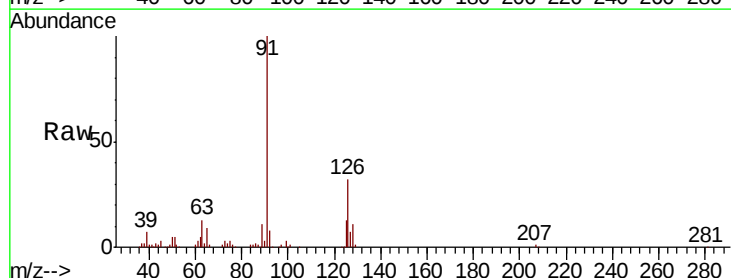
Acq: 16 Mar 2020 12:24

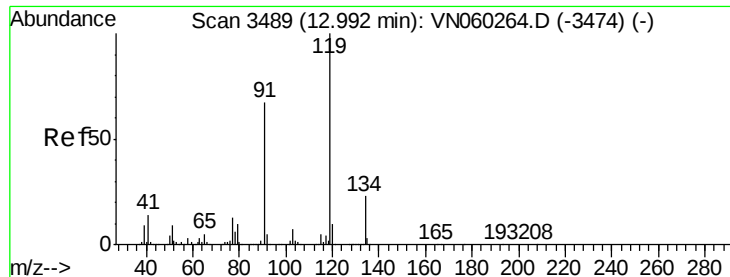
Tgt Ion: 91 Resp: 141284

Ion Ratio Lower Upper

91 100

126 31.8 16.7 50.1





#83

tert-Butylbenzene

Concen: 18.439 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

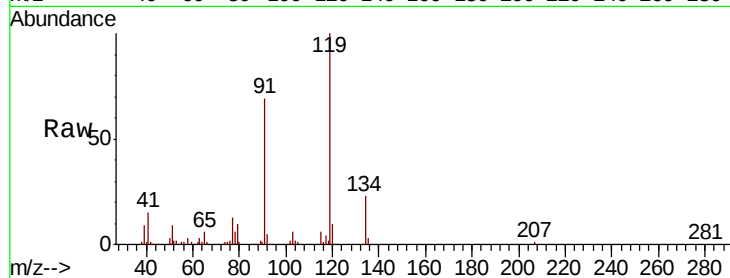
Tot Ion:119 Resp: 141387

Ion Ratio Lower Upper

119 100

91 67.6 33.1 99.2

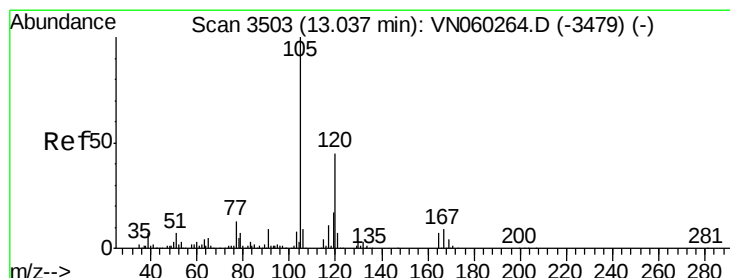
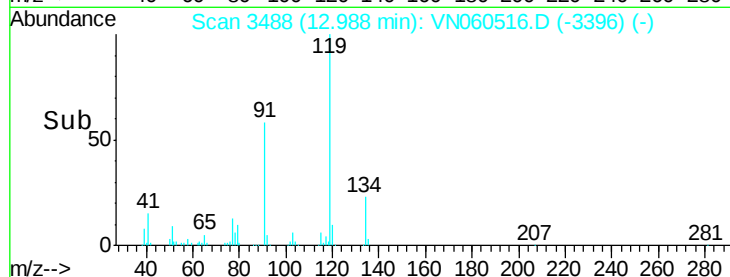
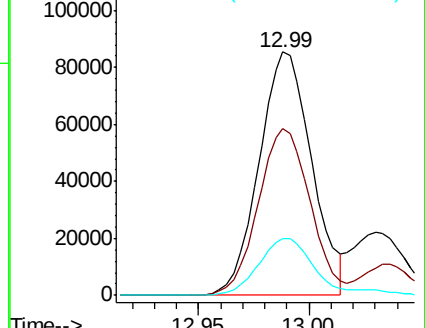
134 25.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.515 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060516.D

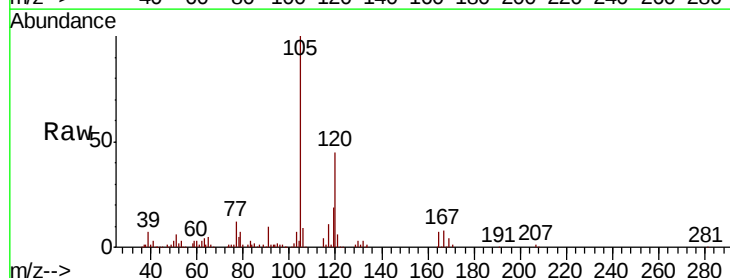
Acq: 16 Mar 2020 12:24

Tgt Ion:105 Resp: 165514

Ion Ratio Lower Upper

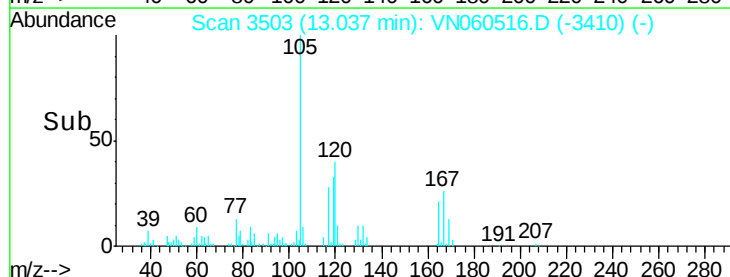
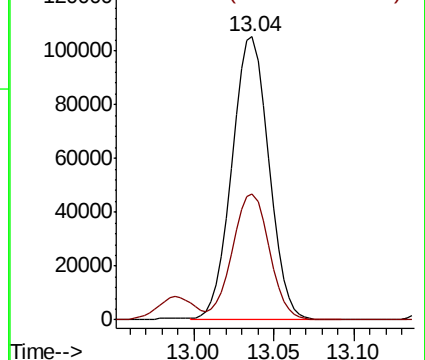
105 100

120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

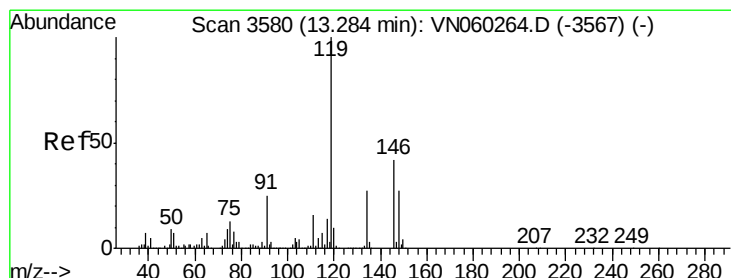
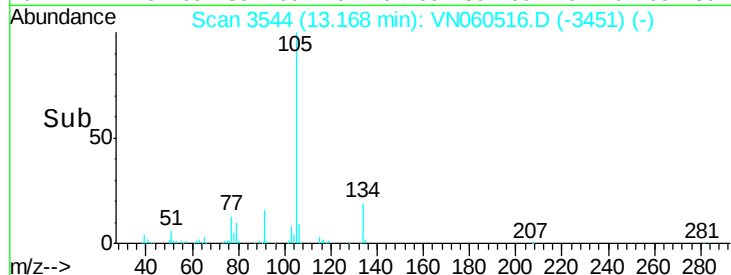
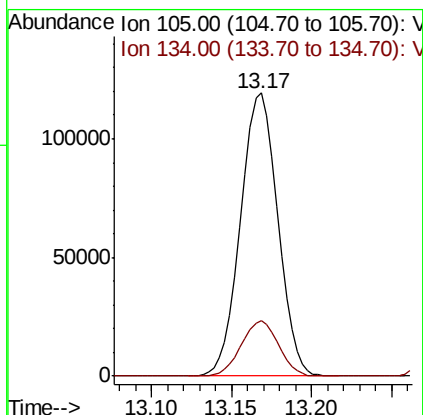
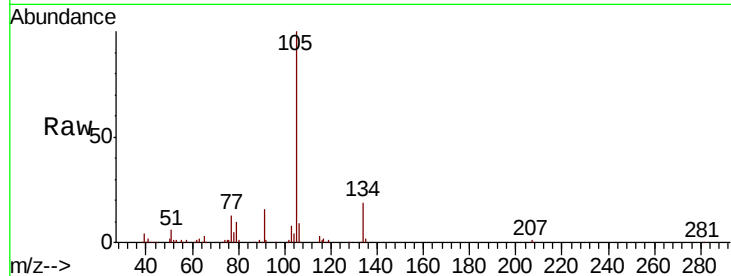




#85
 sec-Butylbenzene
 Concen: 18.422 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

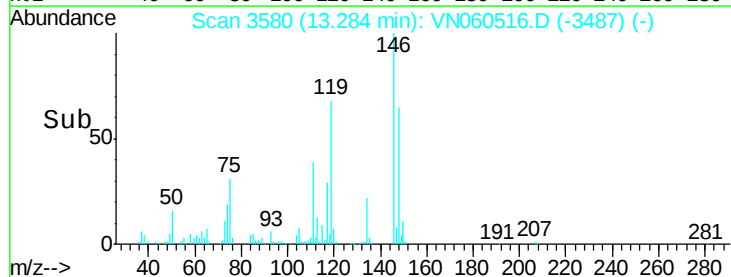
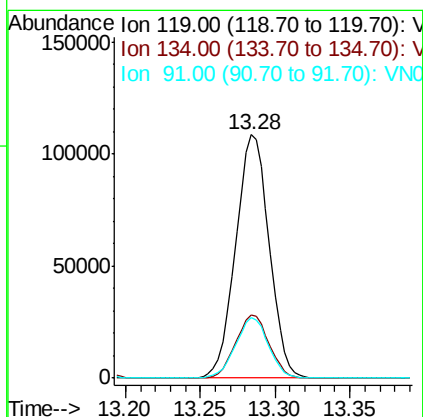
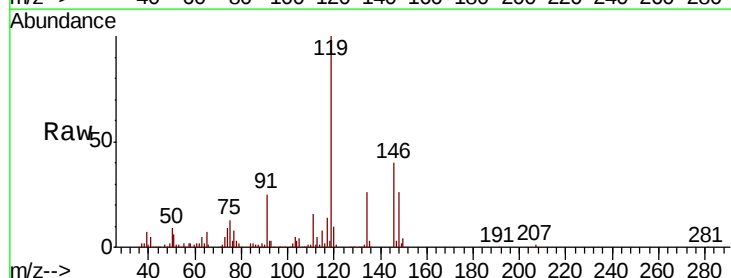
Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBS01

Tot Ion:105 Resp: 189161
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.784 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion:119 Resp: 169019
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.939 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

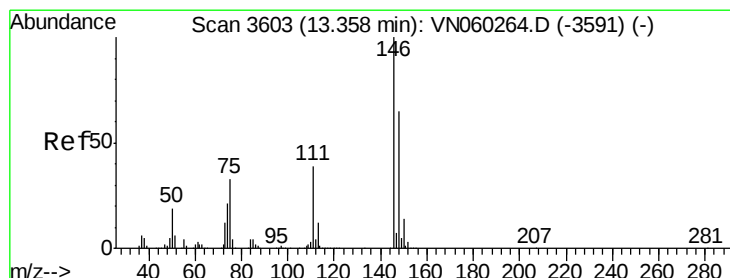
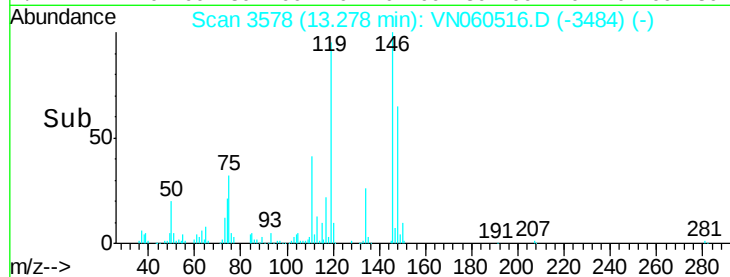
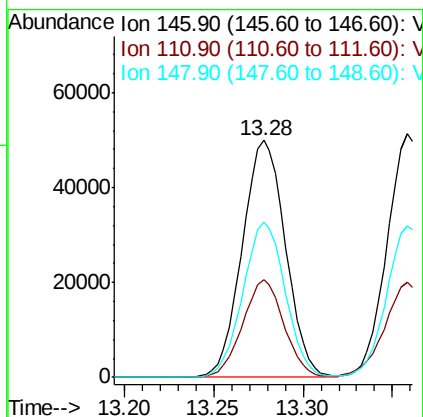
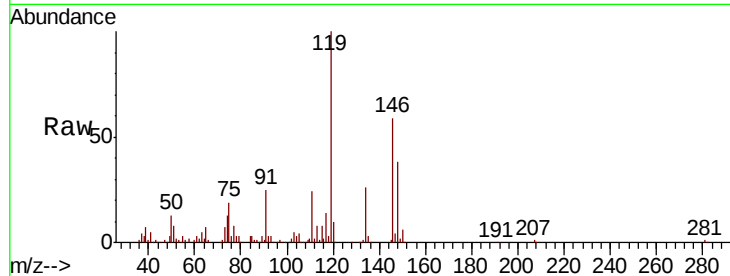
Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion:146 Resp: 84435

Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	64.4	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 18.814 ug/l

RT: 13.36 min Scan# 3603

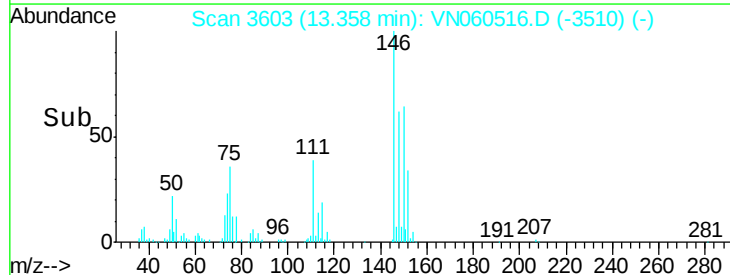
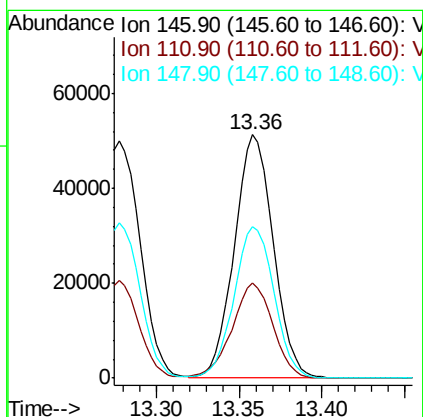
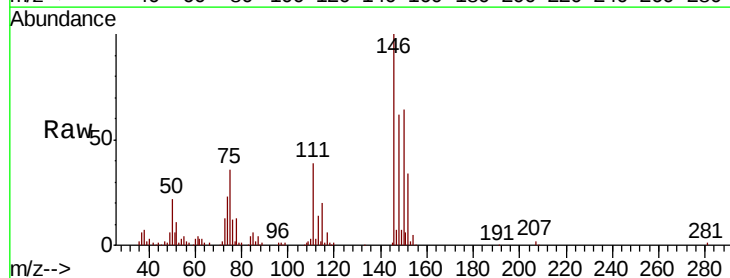
Delta R.T. 0.00 min

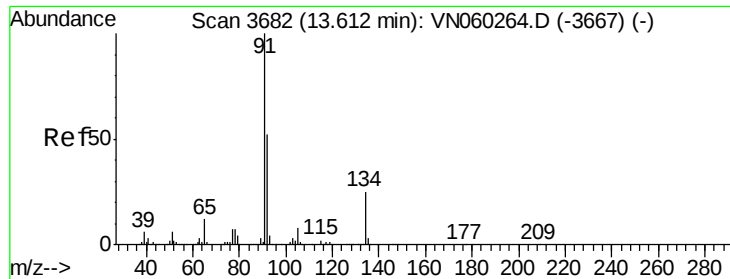
Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:146 Resp: 83831

Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.4
148	63.9	32.3	96.9

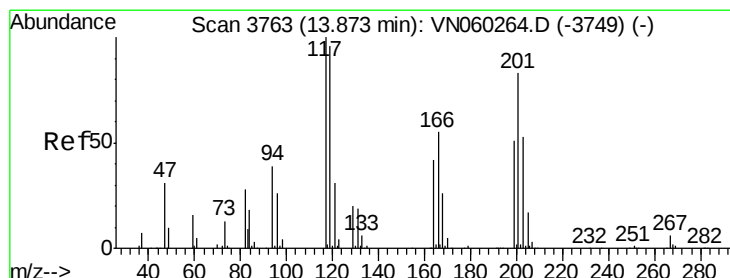
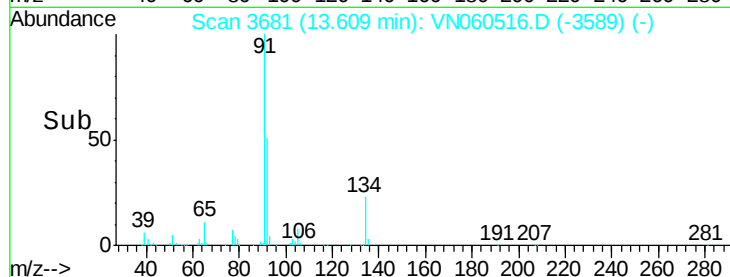
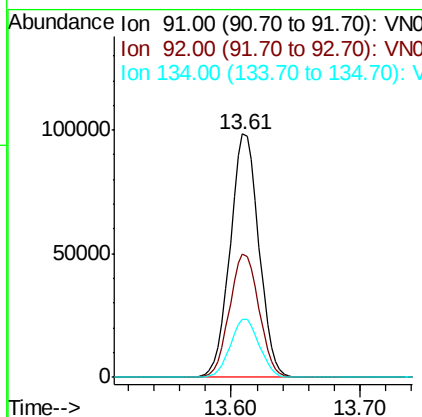
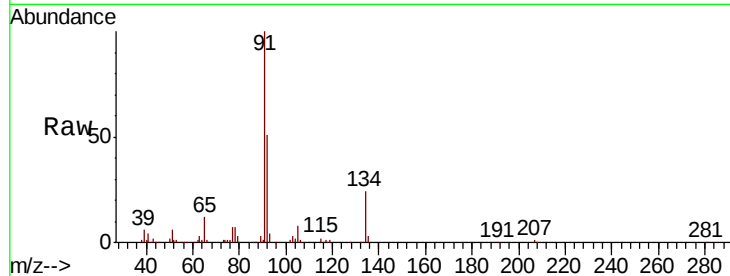




#89
n-Butylbenzene
Concen: 17.461 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

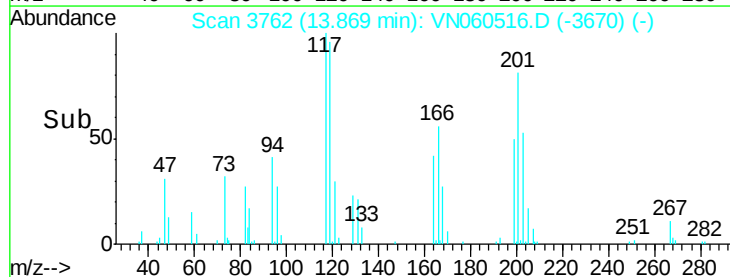
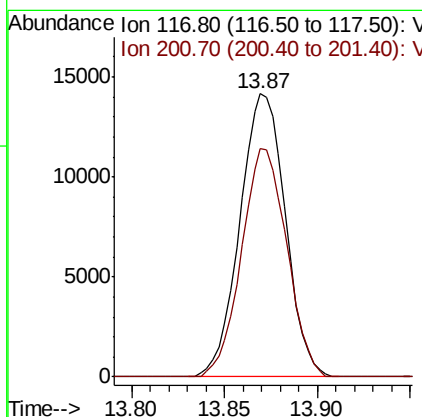
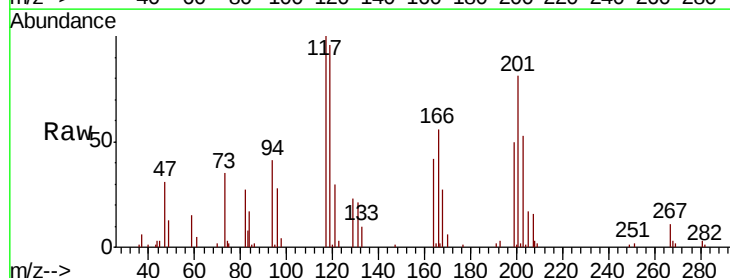
Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

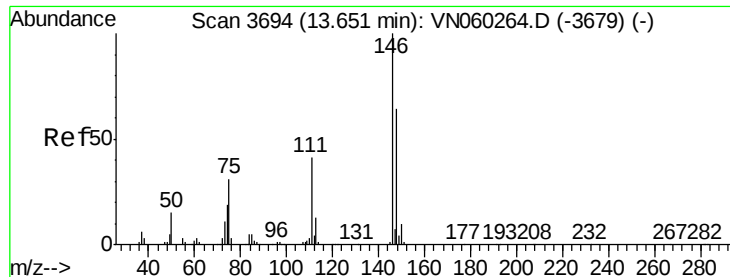
Tot Ion: 91 Resp: 152333
Ion Ratio Lower Upper
91 100
92 51.9 26.0 78.0
134 24.2 12.7 38.1



#90
Hexachloroethane
Concen: 17.504 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 117 Resp: 24079
Ion Ratio Lower Upper
117 100
201 80.2 41.0 123.0

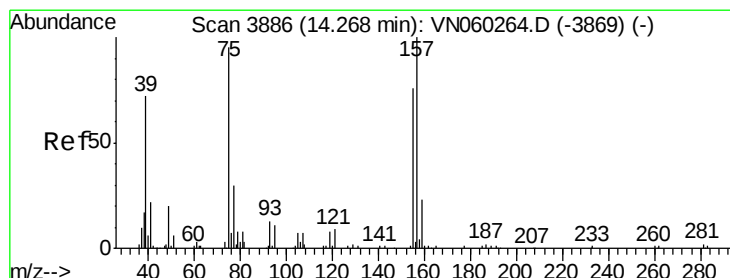
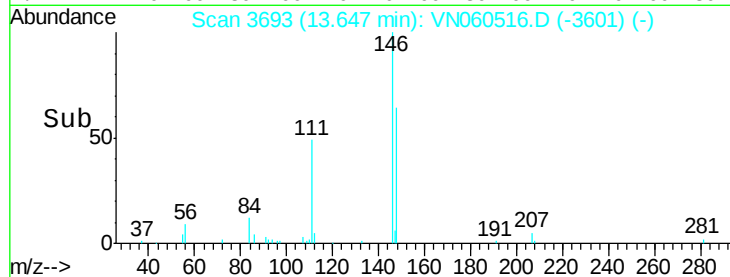
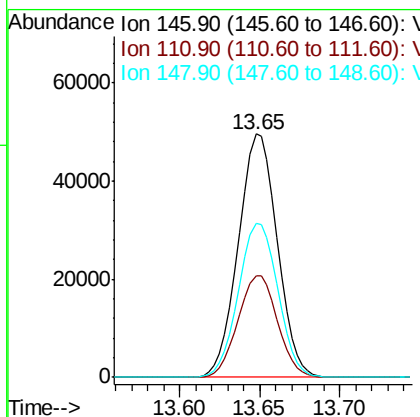
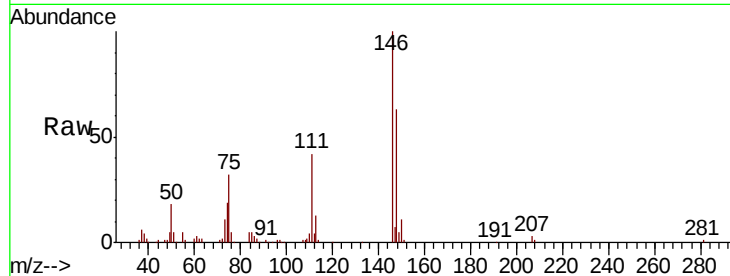




#91
 1,2-Dichlorobenzene
 Concen: 18.198 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

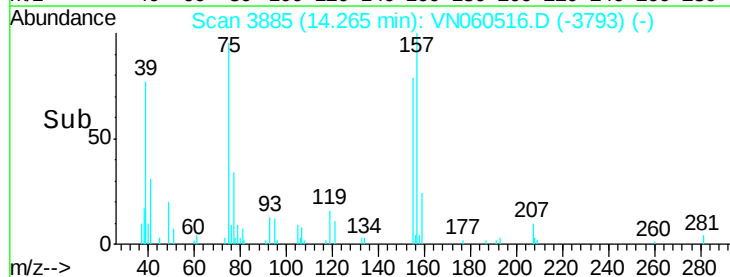
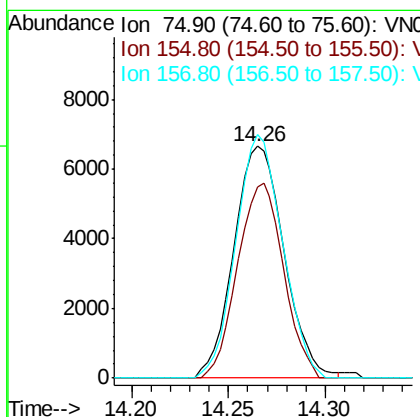
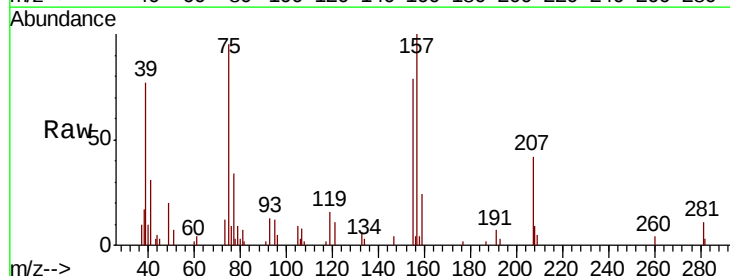
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion:146 Resp: 82223
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.3 61.0
 148 64.3 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.565 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion: 75 Resp: 12021
 Ion Ratio Lower Upper
 75 100
 155 76.9 40.4 121.2
 157 97.3 52.5 157.5

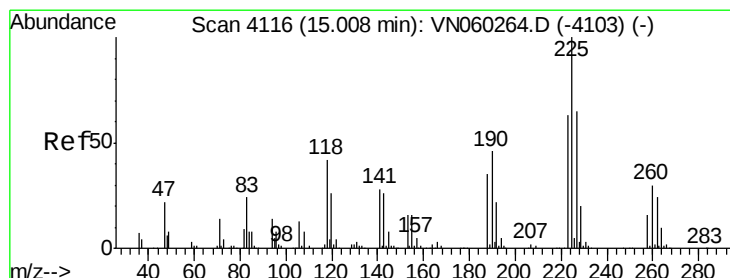
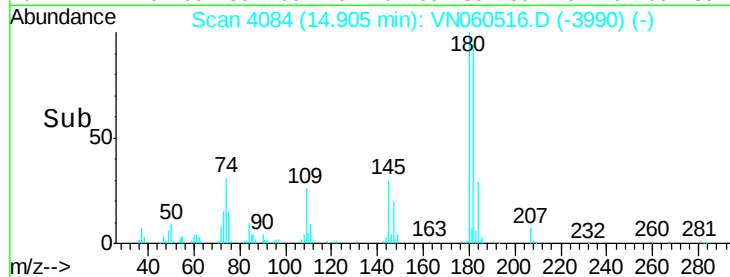
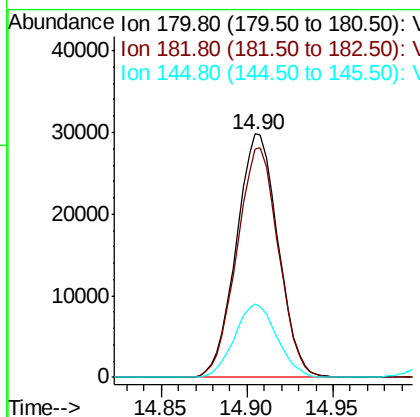
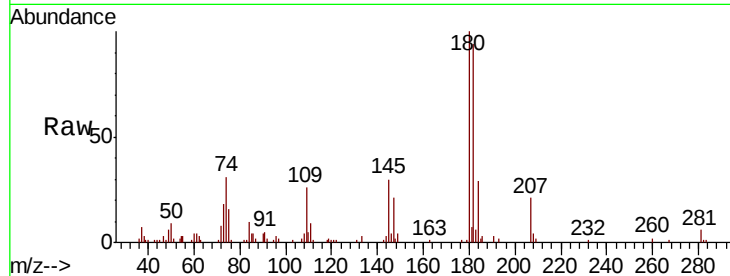




#93
 1,2,4-Trichlorobenzene
 Concen: 17.558 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

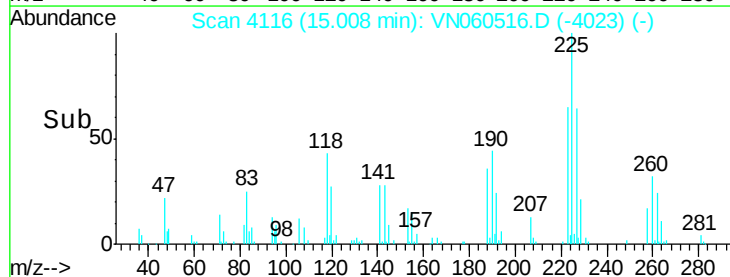
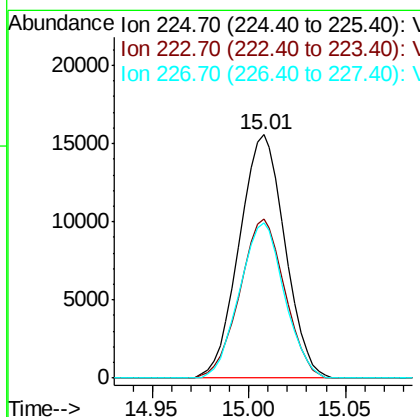
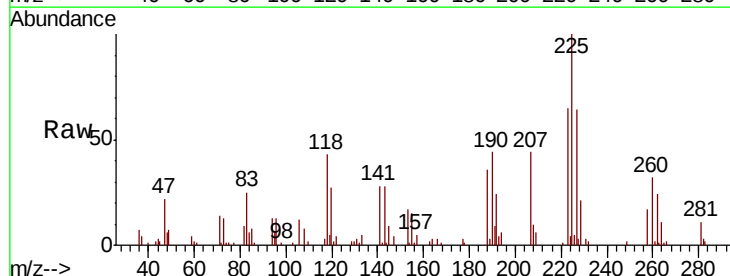
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion:180 Resp: 50242
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.8 143.3
 145 30.5 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 18.973 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion:225 Resp: 25507
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.3 93.9
 227 62.8 32.3 96.9





#95

Naphthalene

Concen: 16.406 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

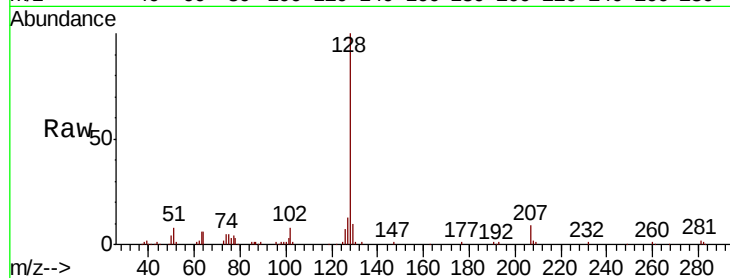
Tot Ion:128 Resp: 140272

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

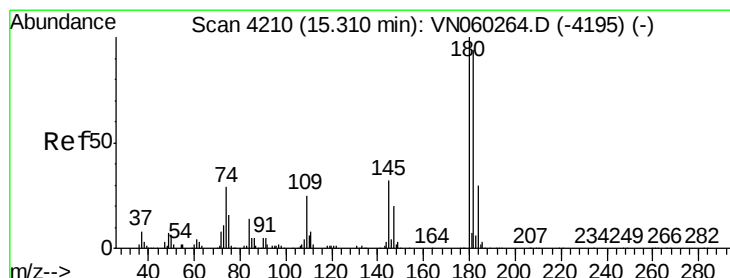
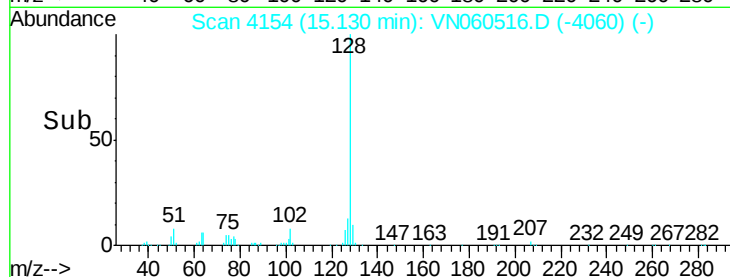
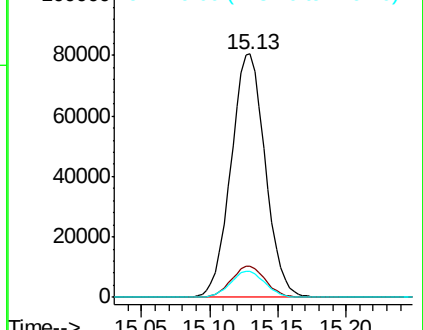
129 10.7 8.6 13.0



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: 17.201 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

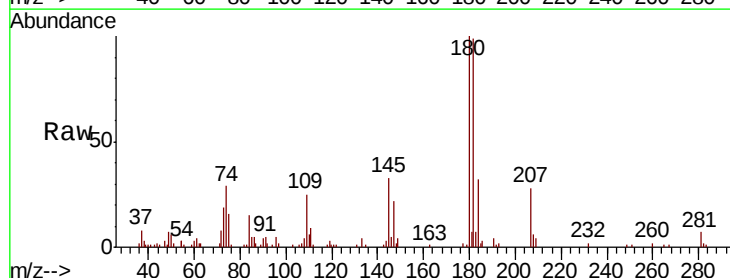
Tgt Ion:180 Resp: 46830

Ion Ratio Lower Upper

180 100

182 96.5 47.3 142.0

145 32.6 16.2 48.5



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

