

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070919\
 Data File : VN056621.D
 Acq On : 9 Jul 2019 10:04
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 09 10:39:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55335	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	304355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	264974	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	112293	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	121902	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	372101	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	55292	19.925	ug/l 98
3) Chloromethane	2.06	50	73545	18.261	ug/l 99
4) Vinyl Chloride	2.18	62	72882	19.227	ug/l 100
5) Bromomethane	2.53	94	43102	21.312	ug/l 98
6) Chloroethane	2.68	64	42317	20.159	ug/l 97
7) Trichlorofluoromethane	3.00	101	95470	19.622	ug/l 99
8) Diethyl Ether	3.40	74	39459	19.119	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	61453	19.933	ug/l 95
10) 1,1-Dichloroethene	3.73	96	59413	19.642	ug/l 96
11) Methyl Iodide	3.95	142	73007	16.878	ug/l 99
12) Methyl Acetate	4.32	43	74787	18.334	ug/l 98
13) Acrolein	3.60	56	32938	82.701	ug/l 99
14) Acrylonitrile	4.99	53	164616	91.907	ug/l 99
15) Acetone	3.82	58	61900	123.862	ug/l 94
16) Carbon Disulfide	4.05	76	139869	19.231	ug/l 100
17) Allyl chloride	4.32	41	99703	18.836	ug/l 97
18) Methylene Chloride	4.55	84	68667	19.201	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	62451	19.036	ug/l 88
20) Diisopropyl ether	5.95	45	211751	19.363	ug/l 96
21) 1,1-Dichloroethane	5.84	63	117986	19.126	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	74624	19.343	ug/l 96
23) tert-Butyl Alcohol	4.78	59	56193	83.869	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	189497	18.941	ug/l 99
25) Chloroform	7.37	83	118247	19.556	ug/l 100
26) Cyclohexane	7.65	56	108871	19.160	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	87274	19.419	ug/l 98
30) 2-Butanone	6.83	43	260486	104.548	ug/l 97
31) 2,2-Dichloropropane	6.82	77	85851	19.866	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	92649	19.337	ug/l 98
33) Carbon Tetrachloride	7.77	117	79186	19.496	ug/l 99
34) Benzene	8.04	78	274022	19.498	ug/l 98
35) Methacrylonitrile	7.17	41	41731	18.860	ug/l 96
36) 1,2-Dichloroethane	8.12	62	88650	19.408	ug/l 96
37) Trichloroethene	8.83	130	71452	19.494	ug/l 92
38) Methylcyclohexane	9.08	83	109645	19.467	ug/l 99
39) 1,2-Dichloropropane	9.12	63	73654	19.469	ug/l 98
40) Dibromomethane	9.21	93	45631	19.512	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	84318	19.454	ug/l	99
42) Vinyl Acetate	5.89	43	851254	95.953	ug/l	98
43) Ethyl Acetate	6.93	43	89491	18.568	ug/l	94
44) Isopropyl Acetate	8.16	43	142699	18.977	ug/l	99
45) 1,4-Dioxane	9.20	88	27455	373.145	ug/l	88
46) Methyl methacrylate	9.20	41	66860	18.096	ug/l	95
47) n-amyl Acetate	12.07	43	110759	17.721	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	89772	19.325	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	104459	19.496	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	67636	19.632	ug/l	97
51) Ethyl methacrylate	10.43	69	99921	18.415	ug/l	98
52) 1,3-Dichloropropane	10.71	76	112603	19.235	ug/l	98
53) Dibromochloromethane	10.90	129	66671	19.744	ug/l	97
54) 1,2-Dibromoethane	11.00	107	67452	18.790	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	255256	92.321	ug/l	98
56) Bromoform	12.12	173	46704	19.035	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	443959	93.187	ug/l	96
59) 2-Hexanone	10.75	43	344878	97.554	ug/l	99
61) Tetrachloroethene	10.63	164	67881	20.410	ug/l	98
62) Toluene	10.15	91	288651	19.519	ug/l	99
64) Chlorobenzene	11.43	112	176819	19.846	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	63497	19.789	ug/l	99
66) Ethyl Benzene	11.51	91	307620	19.185	ug/l	98
67) m/p-Xylenes	11.62	106	233605	39.477	ug/l	96
68) o-Xylene	11.94	106	113086	19.324	ug/l	97
69) Styrene	11.96	104	186795	19.185	ug/l	98
70) Isopropylbenzene	12.25	105	302499	19.811	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	95689	18.956	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	113215	26.670	ug/l	67
73) Bromobenzene	12.52	156	75861	19.264	ug/l	91
74) n-propylbenzene	12.59	91	338502	19.541	ug/l	97
75) 2-Chlorotoluene	12.67	91	203310	19.627	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	255580	19.767	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	24452	17.983	ug/l	97
78) 4-Chlorotoluene	12.77	91	195340	19.390	ug/l	97
79) tert-butylbenzene	12.99	119	215916	19.545	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	252557	19.777	ug/l	98
81) sec-Butylbenzene	13.17	105	285075	19.460	ug/l	98
82) p-Isopropyltoluene	13.29	119	257779	19.572	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	126935	19.410	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119979	19.019	ug/l	99
85) n-Butylbenzene	13.61	91	208581	18.845	ug/l	98
86) Hexachloroethane	13.87	117	38207	19.239	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	127678	19.226	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15566	17.209	ug/l	92
89) 1,2,4-Trichlorobenzene	14.90	180	61858	16.852	ug/l	97
90) Hexachlorobutadiene	15.01	225	44923	19.698	ug/l	99
91) Naphthalene	15.13	128	162514	15.777	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66354	17.220	ug/l	100

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QLast Update : Wed Jul 03 11:05:14 2019
Response via : Initial Calibration

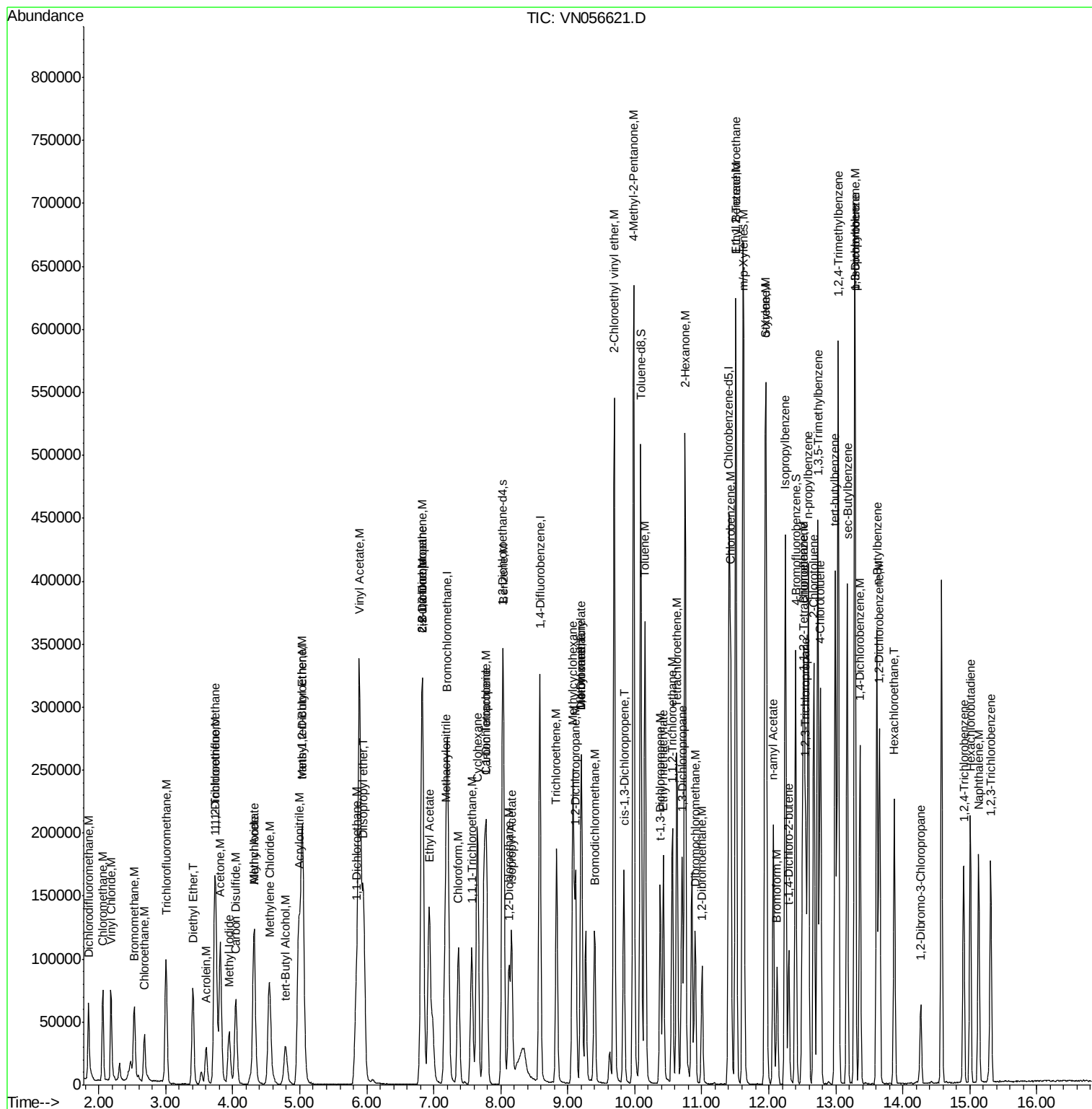
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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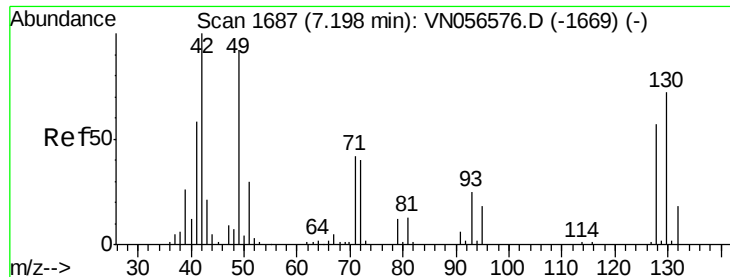
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jul 09 10:39:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :
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ClientSampleId :
VSTDCCC020

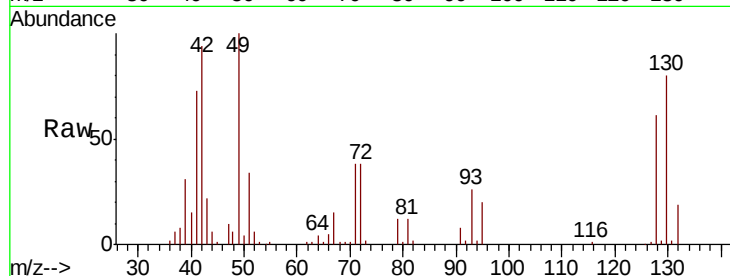
Tgt Ion:128 Resp: 55335

Ion Ratio Lower Upper

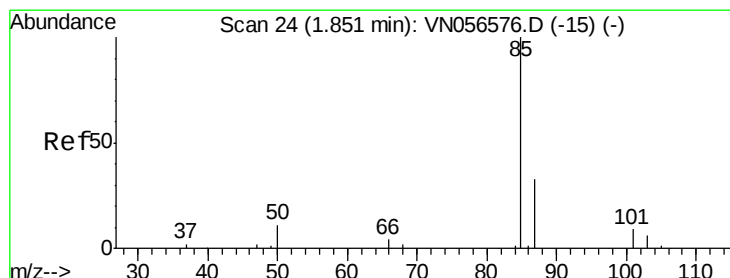
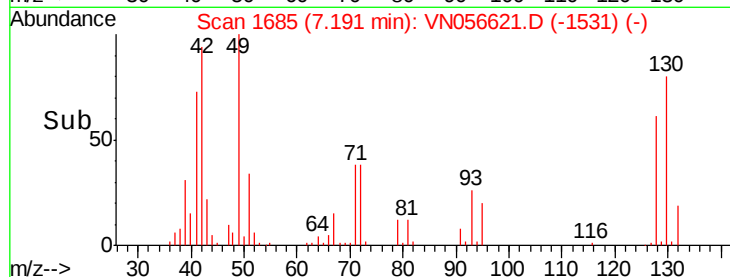
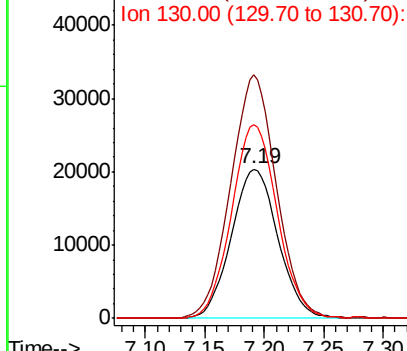
128 100

49 159.9 0.0 355.8

130 127.8 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.925 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056621.D

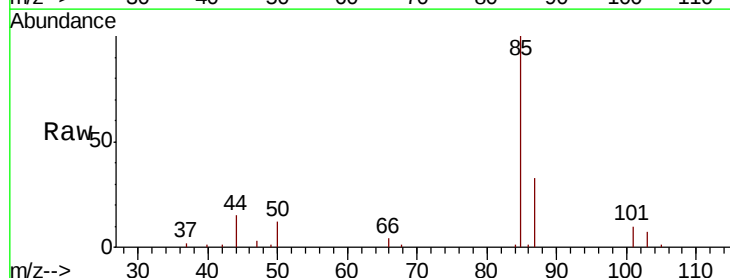
Acq: 9 Jul 2019 10:04

Tgt Ion: 85 Resp: 55292

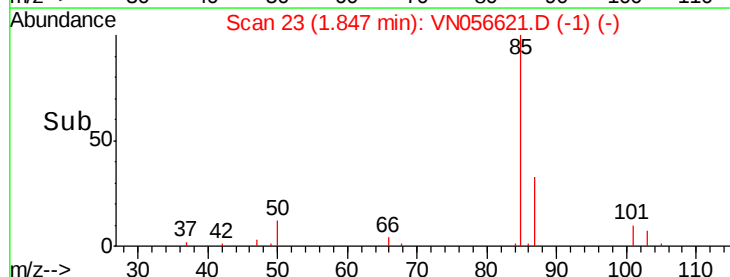
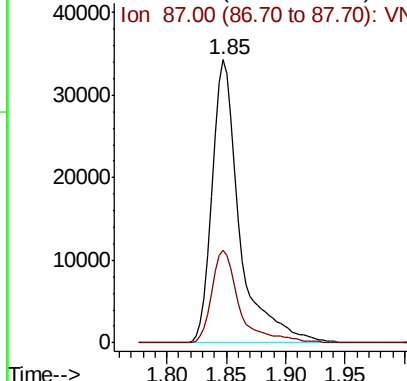
Ion Ratio Lower Upper

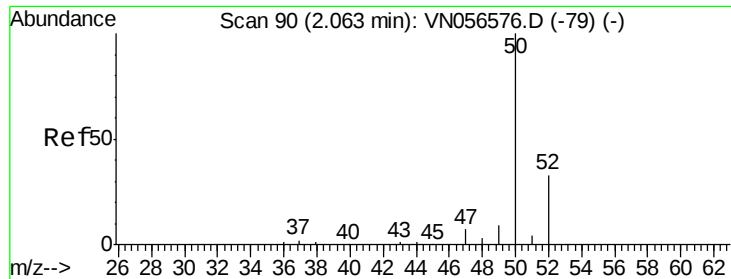
85 100

87 33.0 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.261 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

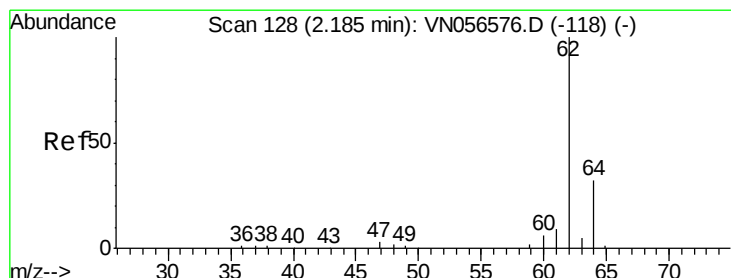
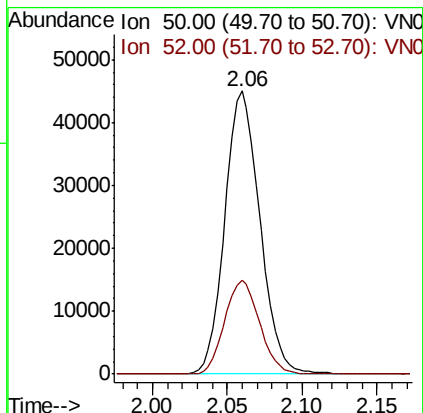
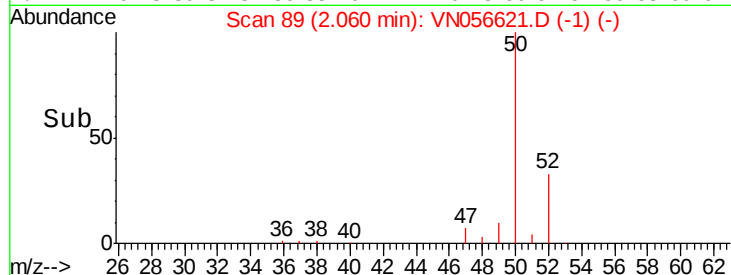
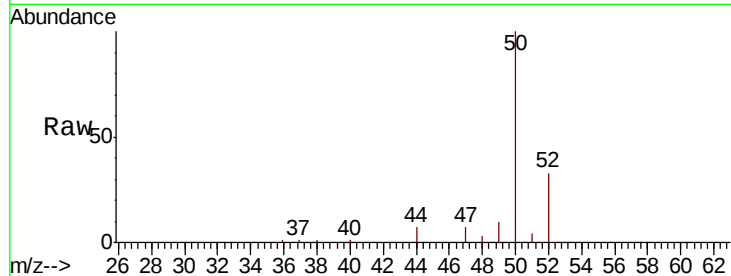
VSTDCCC020

Tgt Ion: 50 Resp: 73545

Ion Ratio Lower Upper

50 100

52 33.1 26.7 40.1



#4

Vinyl Chloride

Concen: 19.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056621.D

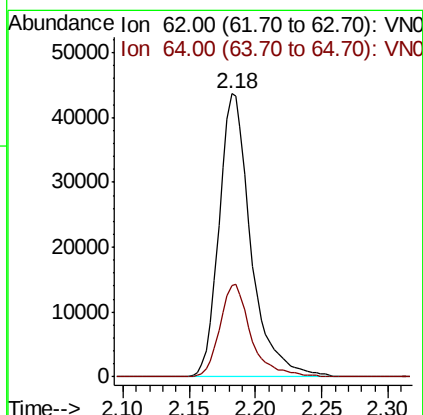
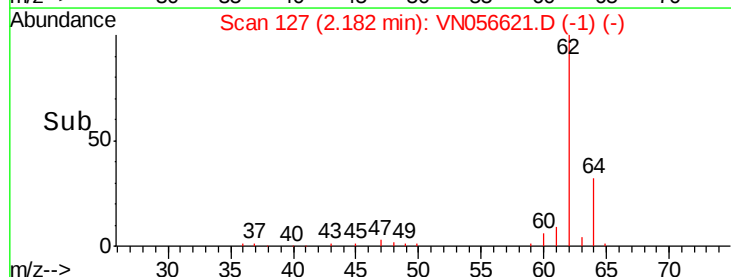
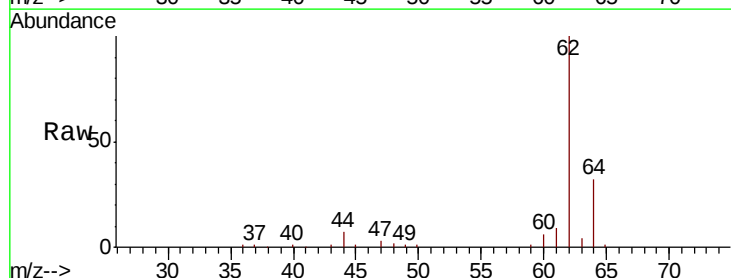
Acq: 9 Jul 2019 10:04

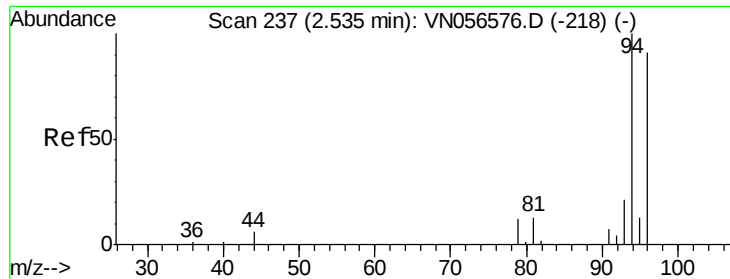
Tgt Ion: 62 Resp: 72882

Ion Ratio Lower Upper

62 100

64 32.5 25.8 38.8

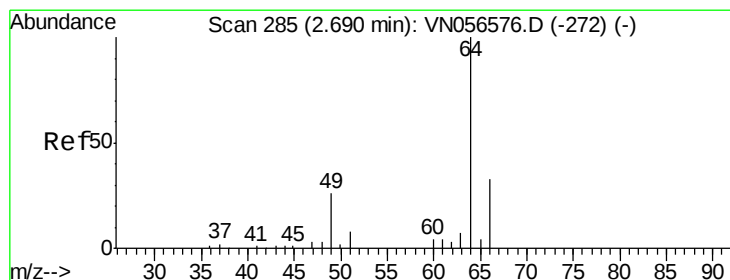
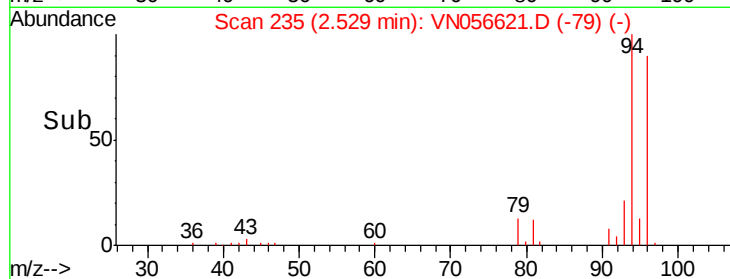
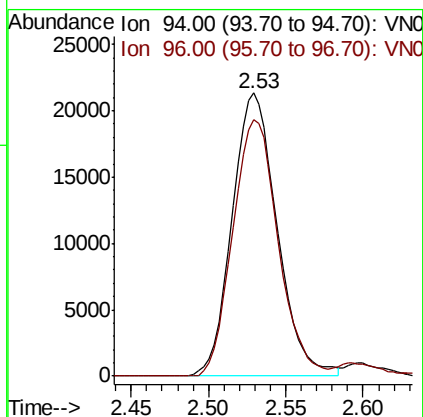
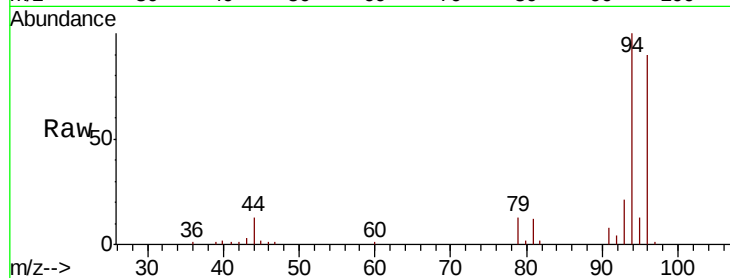




#5
Bromomethane
Concen: 21.312 ug/l
RT: 2.53 min Scan# 235
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

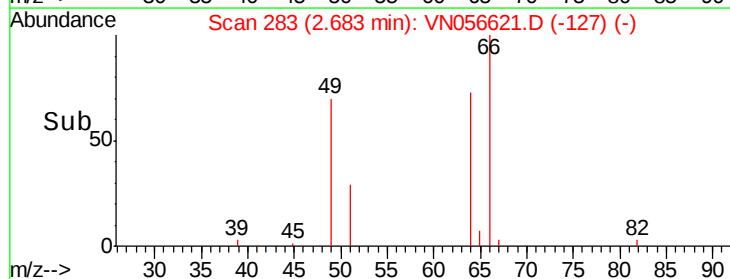
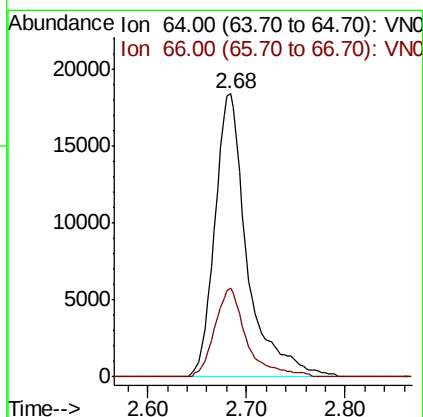
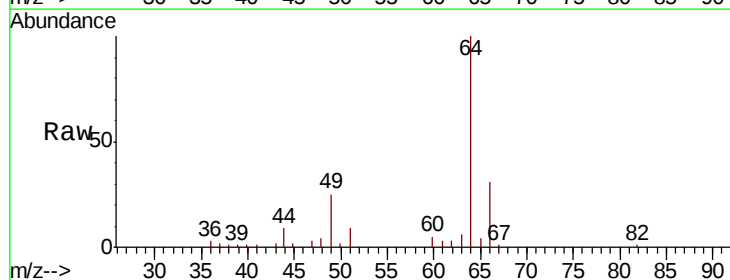
Instrument :
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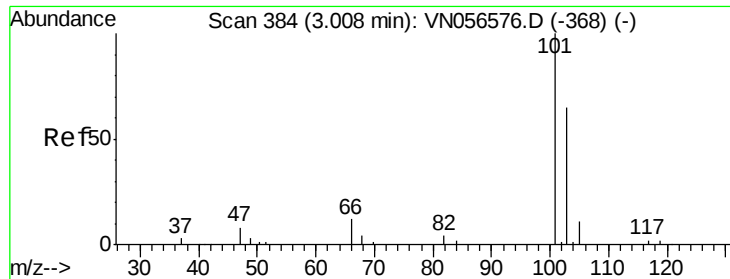
Tgt Ion: 94 Resp: 43102
Ion Ratio Lower Upper
94 100
96 90.4 74.1 111.1



#6
Chloroethane
Concen: 20.159 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 64 Resp: 42317
Ion Ratio Lower Upper
64 100
66 31.4 23.7 35.5



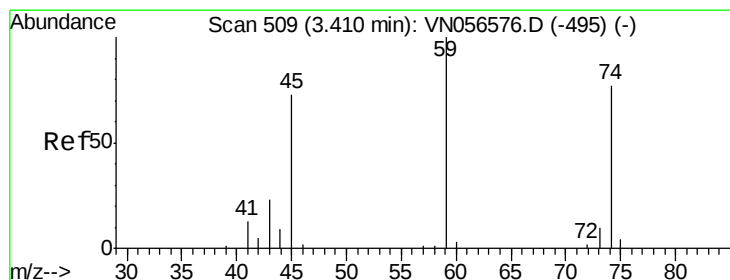
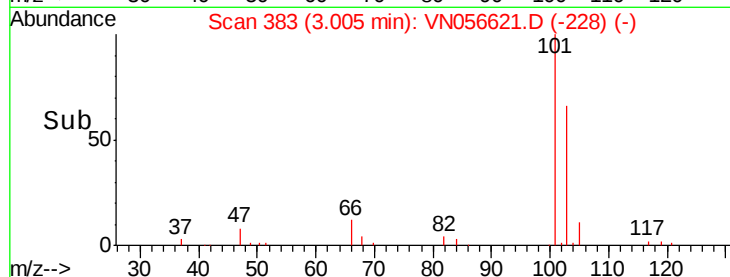
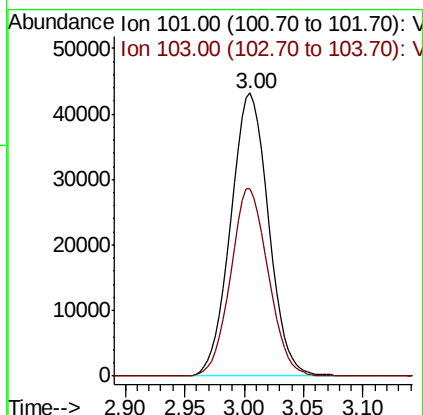
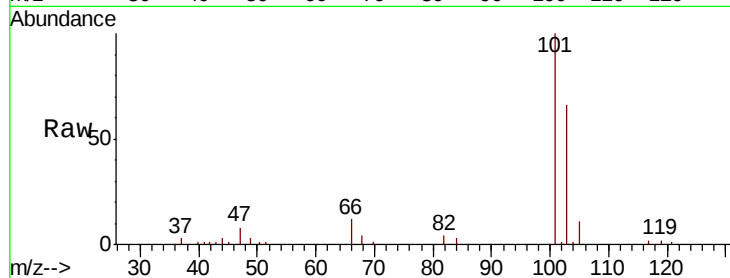


#7

Trichlorofluoromethane
 Concen: 19.622 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
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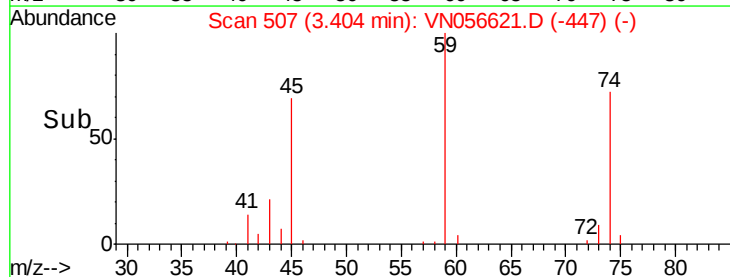
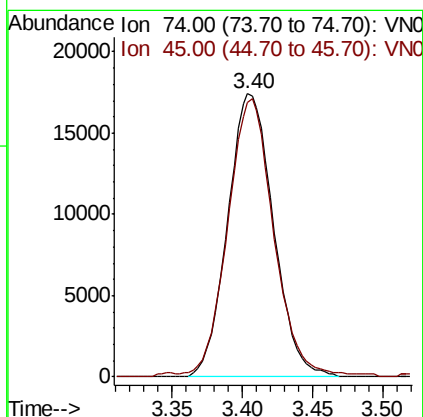
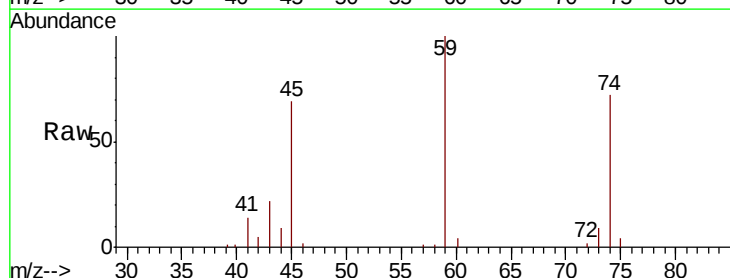
Tgt Ion:101 Resp: 95470
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.4 80.0

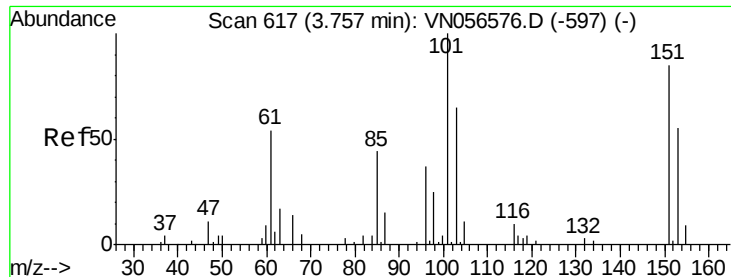


#8

Diethyl Ether
 Concen: 19.119 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 74 Resp: 39459
 Ion Ratio Lower Upper
 74 100
 45 99.2 18.8 169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.933 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

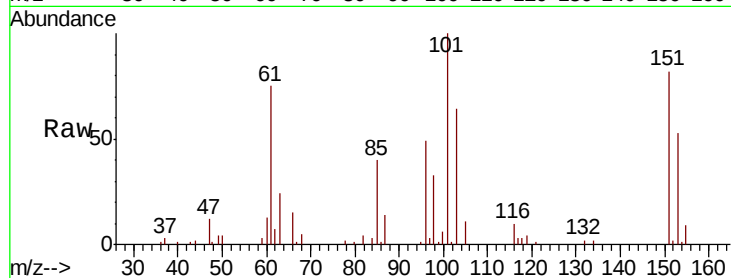
Tgt Ion:101 Resp: 61453

Ion Ratio Lower Upper

101 100

85 41.1 0.0 82.0

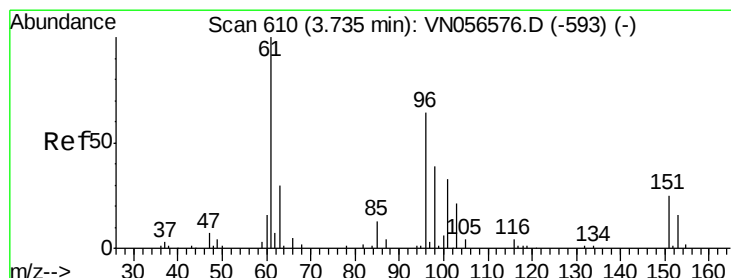
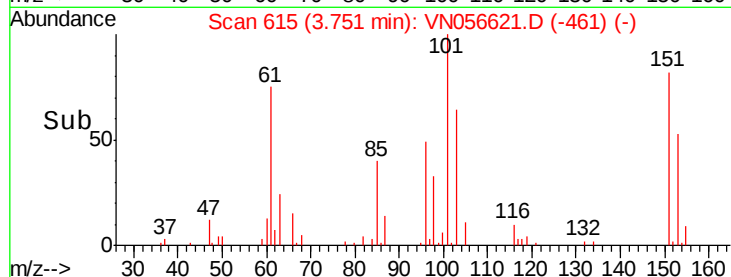
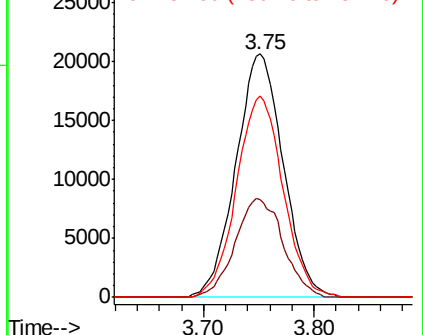
151 81.4 0.0 177.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.642 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

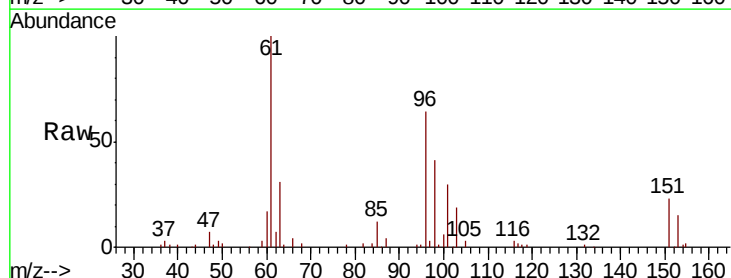
Tgt Ion: 96 Resp: 59413

Ion Ratio Lower Upper

96 100

61 154.9 119.7 179.5

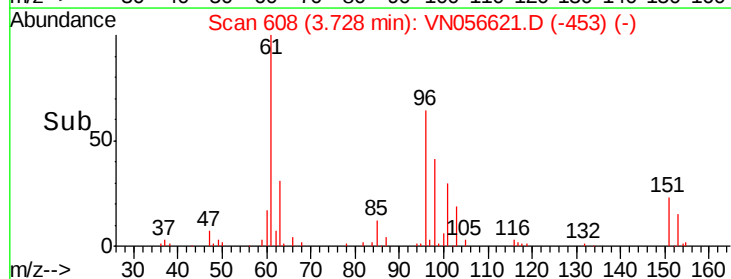
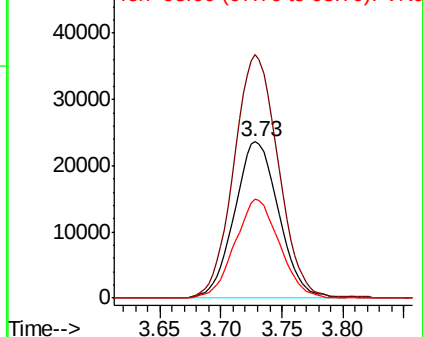
98 63.3 52.3 78.5

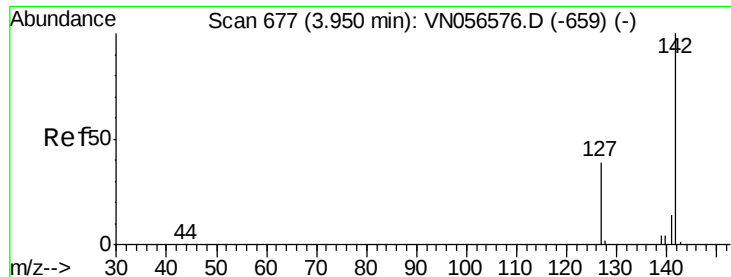


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

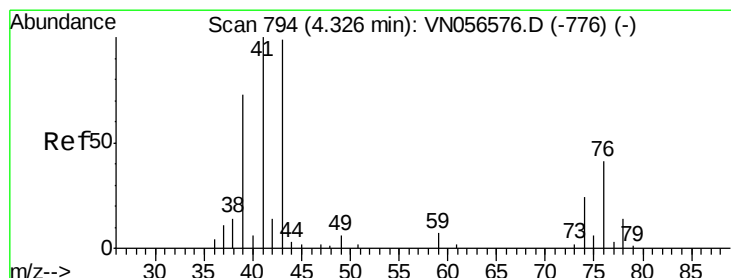
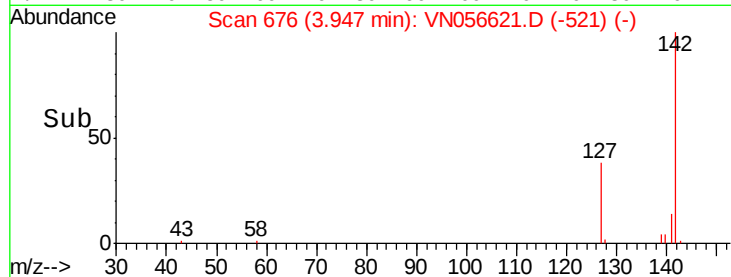
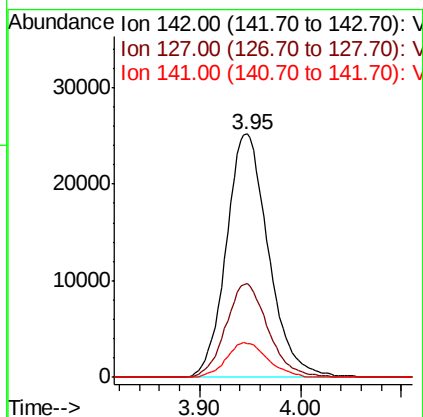
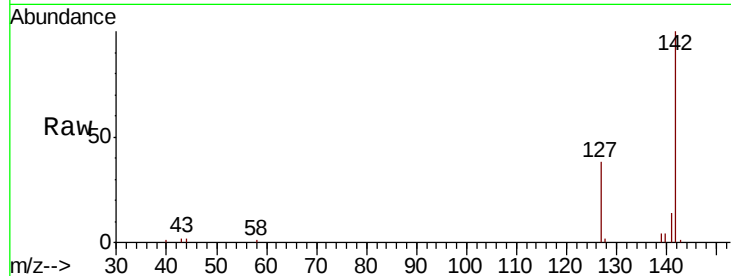




#11
Methyl Iodide
Concen: 16.878 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

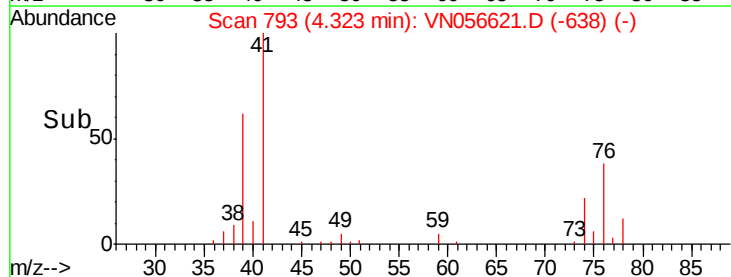
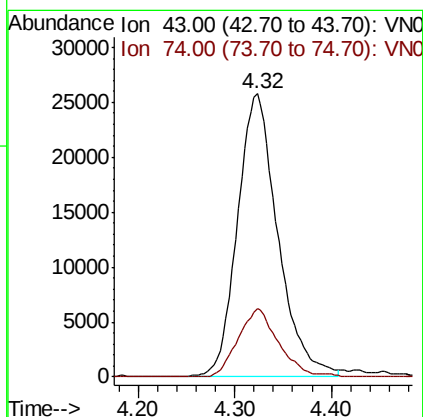
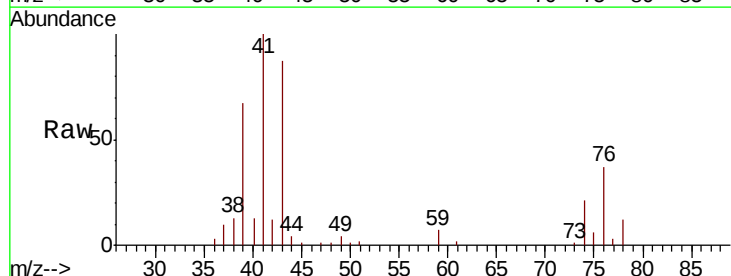
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

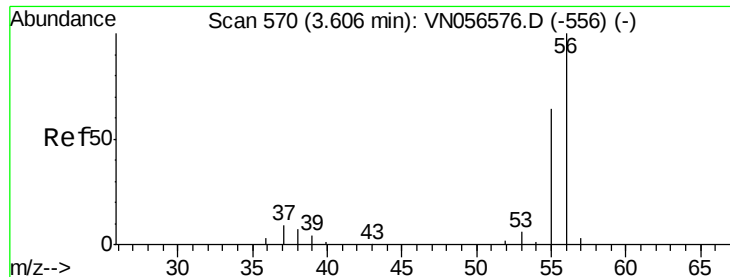
Tgt Ion:142 Resp: 73007
Ion Ratio Lower Upper
142 100
127 38.6 19.0 57.0
141 14.1 6.7 20.0



#12
Methyl Acetate
Concen: 18.334 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 74787
Ion Ratio Lower Upper
43 100
74 24.0 19.9 29.9





#13

Acrolein

Concen: 82.701 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

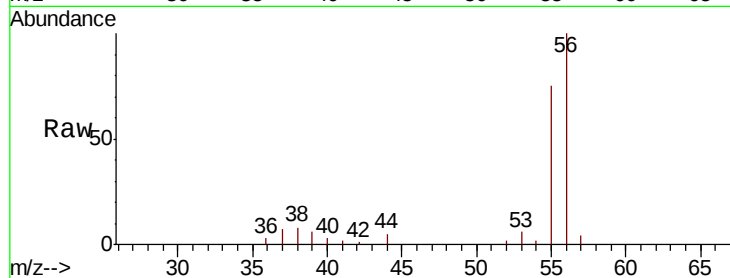
VSTDCCC020

Tgt Ion: 56 Resp: 32938

Ion Ratio Lower Upper

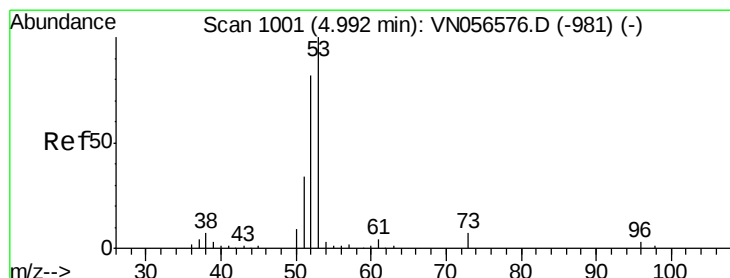
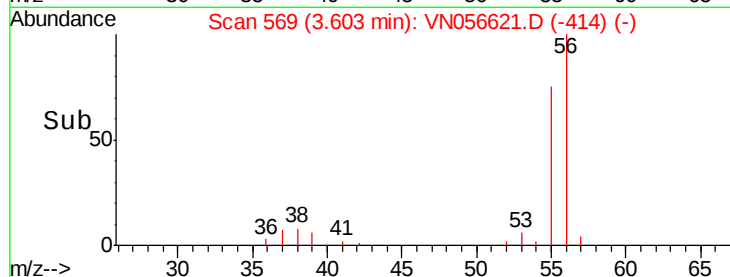
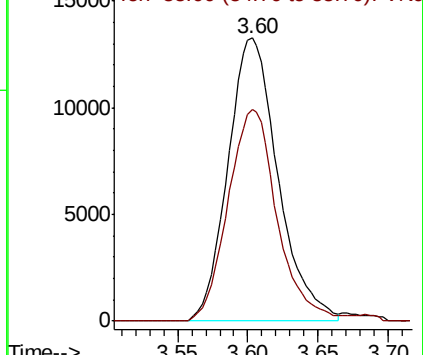
56 100

55 73.3 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 91.907 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

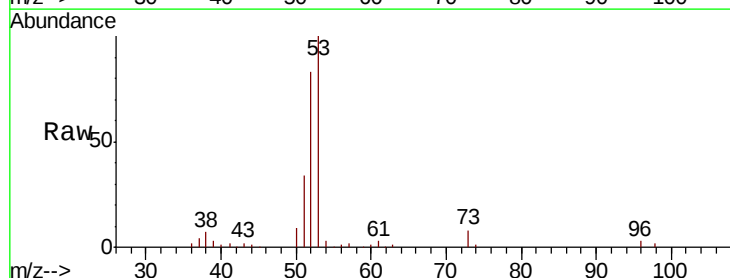
Tgt Ion: 53 Resp: 164616

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.2

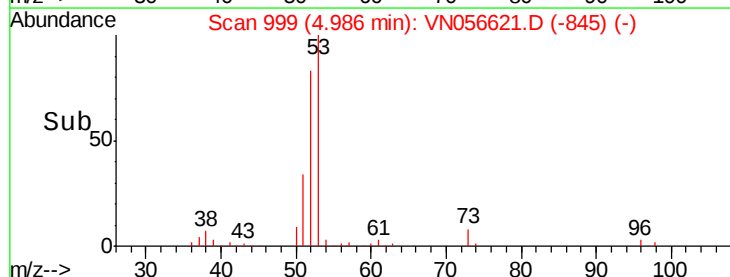
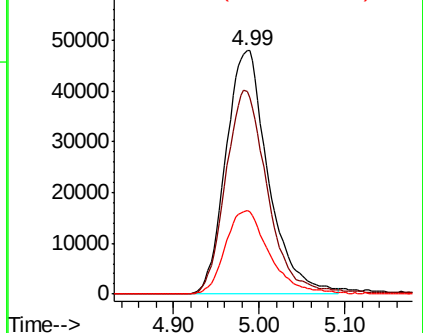
51 35.6 17.3 52.0

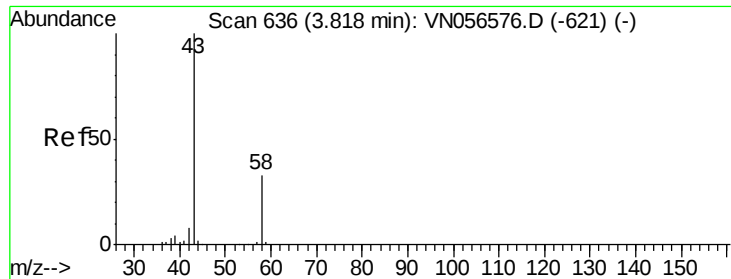


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 123.862 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

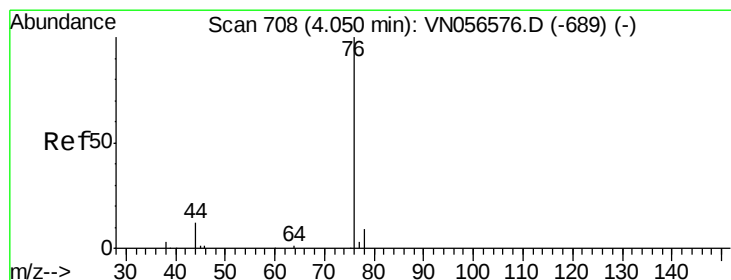
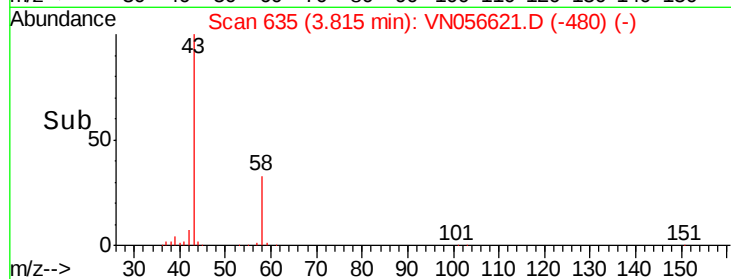
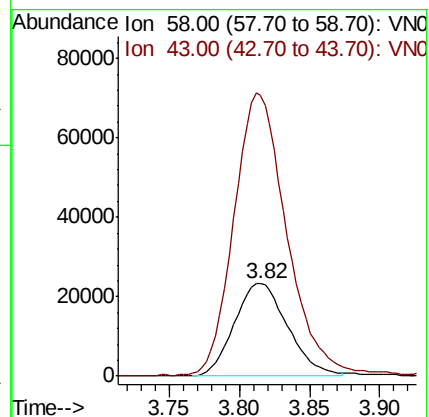
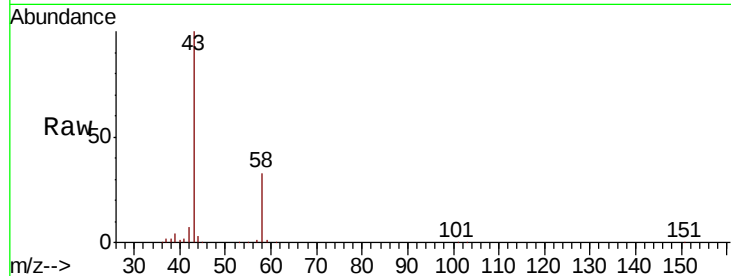
VSTDCCC020

Tgt Ion: 58 Resp: 61900

Ion Ratio Lower Upper

58 100

43 301.6 232.5 348.7



#16

Carbon Disulfide

Concen: 19.231 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN056621.D

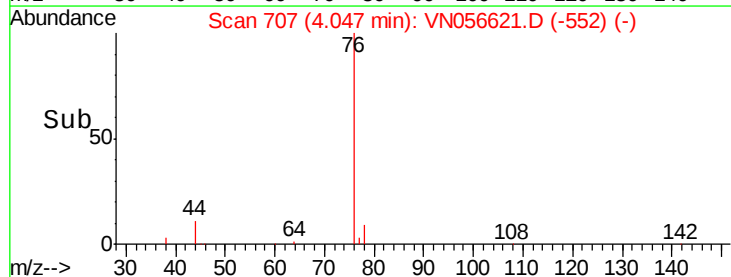
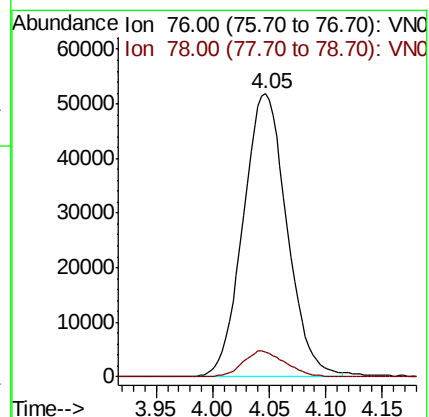
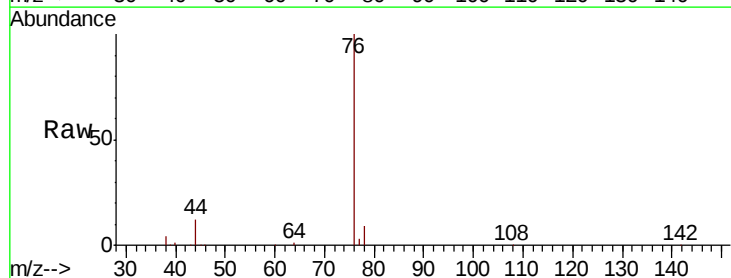
Acq: 9 Jul 2019 10:04

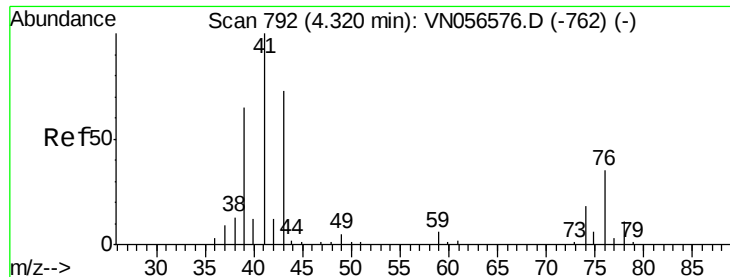
Tgt Ion: 76 Resp: 139869

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

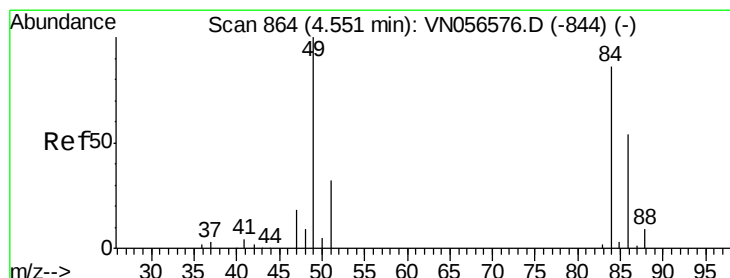
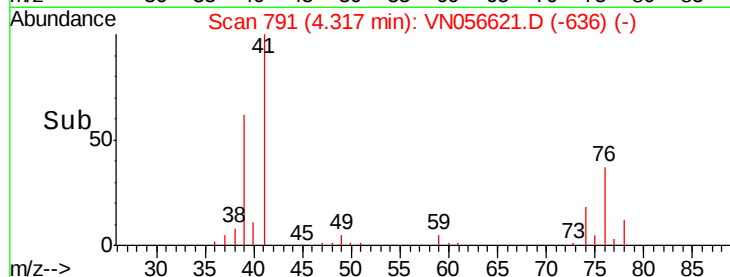
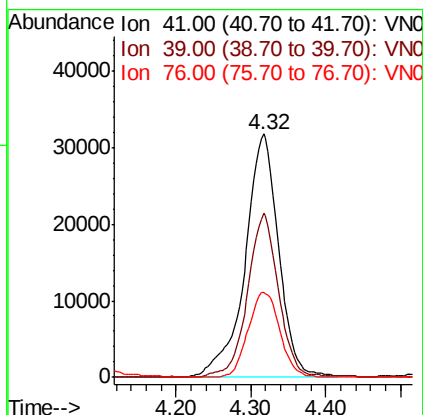
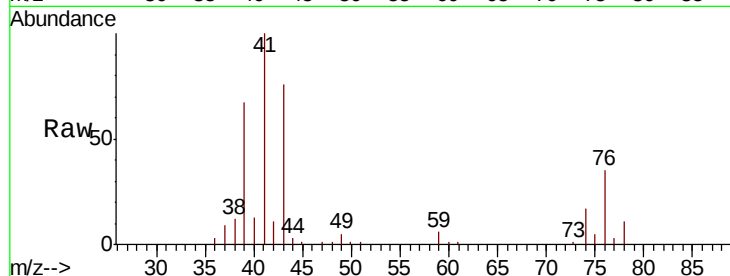




#17
 Allyl chloride
 Concen: 18.836 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

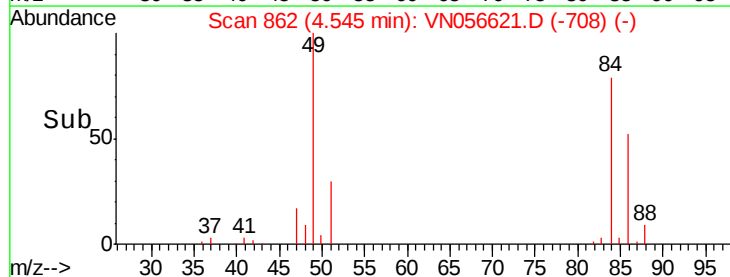
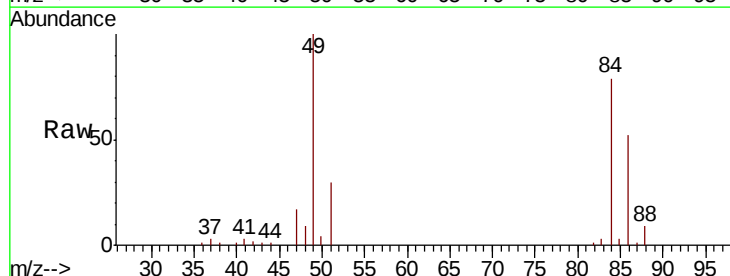
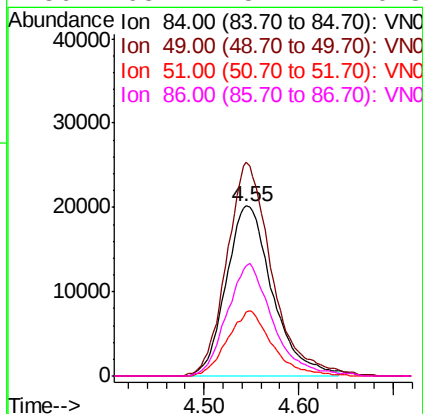
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

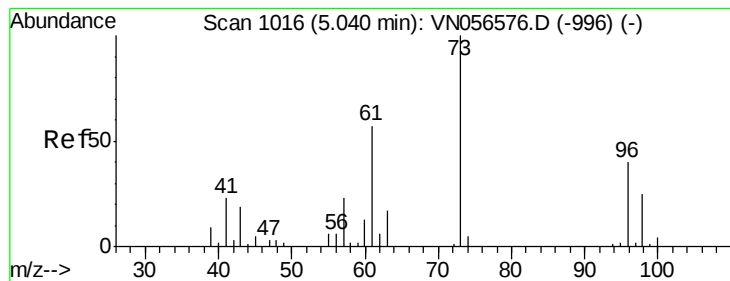
Tgt Ion: 41 Resp: 99703
 Ion Ratio Lower Upper
 41 100
 39 67.2 33.0 99.0
 76 34.7 18.9 56.9



#18
 Methylene Chloride
 Concen: 19.201 ug/l
 RT: 4.55 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 84 Resp: 68667
 Ion Ratio Lower Upper
 84 100
 49 124.4 87.6 131.4
 51 37.7 27.0 40.4
 86 65.2 51.2 76.8





#19

trans-1,2-Dichloroethene

Concen: 19.036 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

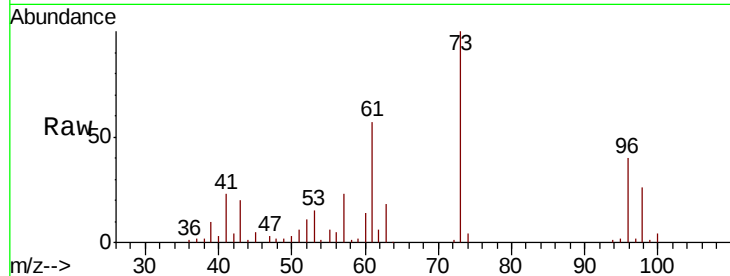
Tgt Ion: 96 Resp: 62451

Ion Ratio Lower Upper

96 100

61 142.0 102.5 153.7

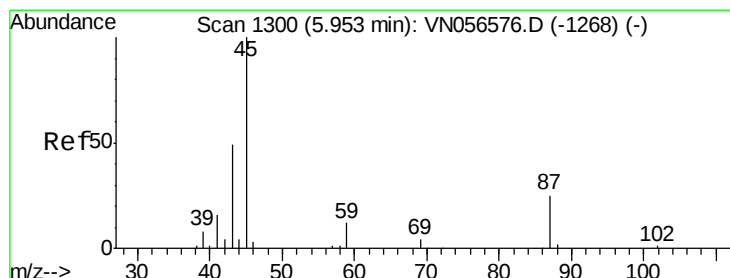
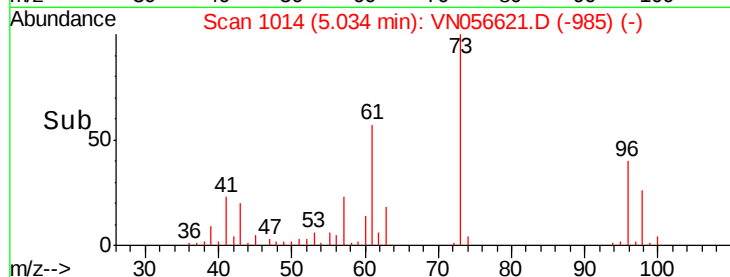
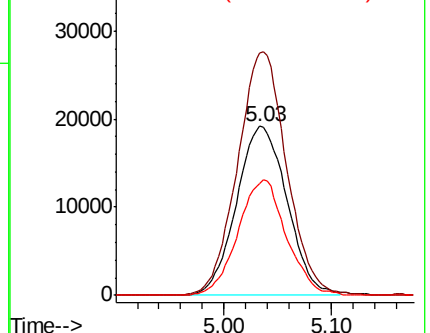
98 66.4 46.9 70.3



Abundance Ion 96.00 (95.70 to 96.70): VN056621.D (-1238) (-)

Ion 61.00 (60.70 to 61.70): VN056621.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN056621.D (-1238) (-)



#20

Diisopropyl ether

Concen: 19.363 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Tgt Ion: 45 Resp: 211751

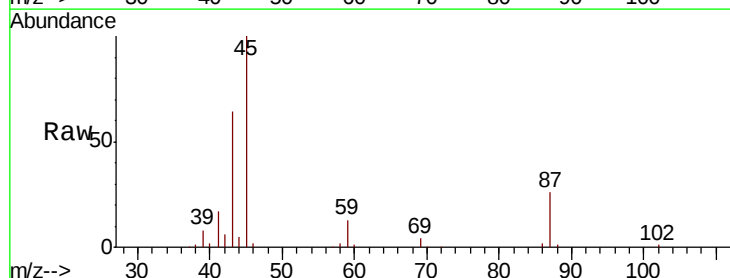
Ion Ratio Lower Upper

45 100

43 62.4 48.0 72.0

87 26.1 23.4 35.2

59 12.8 9.2 13.8

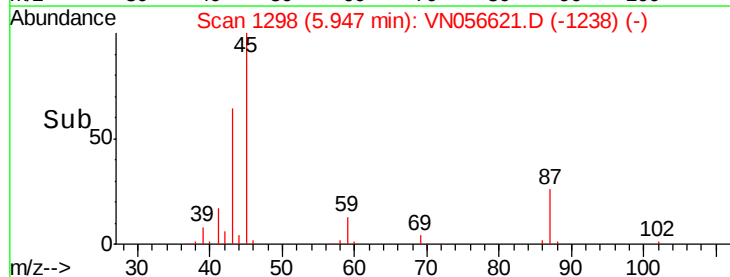
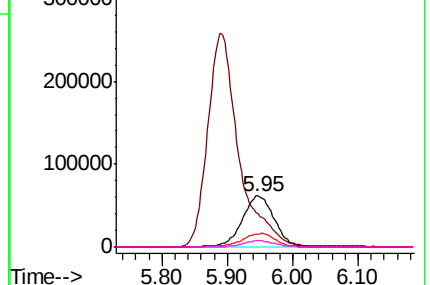


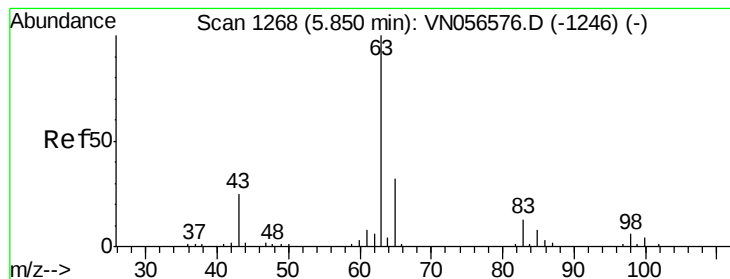
Abundance Ion 45.00 (44.70 to 45.70): VN056621.D (-1238) (-)

Ion 43.00 (42.70 to 43.70): VN056621.D (-1238) (-)

Ion 87.00 (86.70 to 87.70): VN056621.D (-1238) (-)

Ion 59.00 (58.70 to 59.70): VN056621.D (-1238) (-)





#21

1,1-Dichloroethane

Concen: 19.126 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

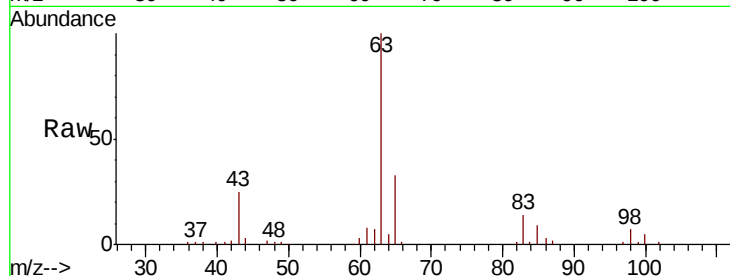
Tgt Ion: 63 Resp: 117986

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

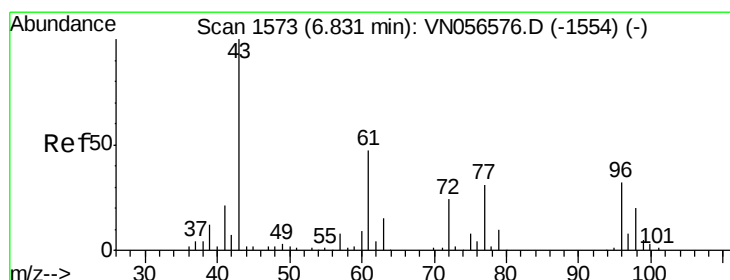
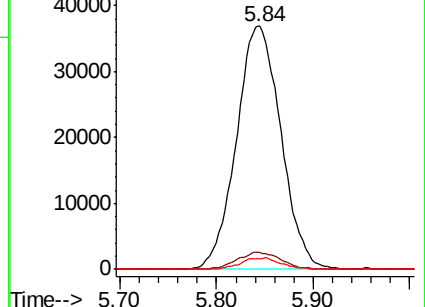
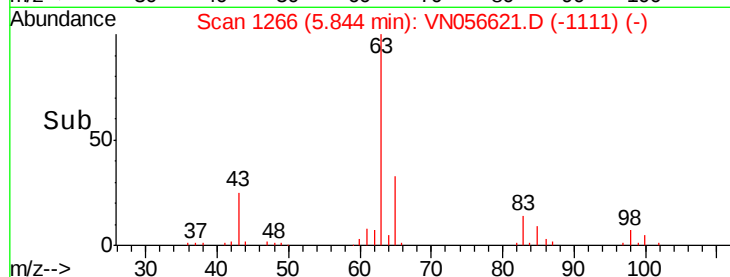
100 4.5 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VN056621.D (-1111) (-)

Ion 98.00 (97.70 to 98.70): VN056621.D (-1111) (-)

Ion 100.00 (99.70 to 100.70): VN056621.D (-1111) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.343 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

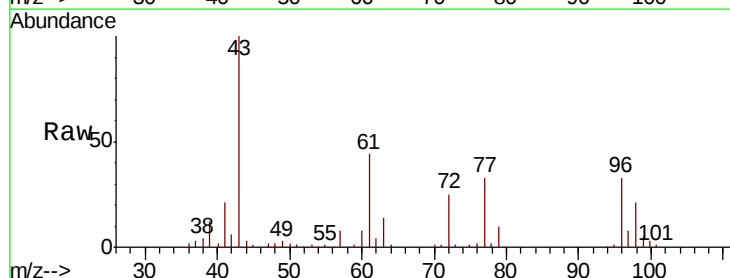
Tgt Ion: 96 Resp: 74624

Ion Ratio Lower Upper

96 100

61 139.3 105.7 158.5

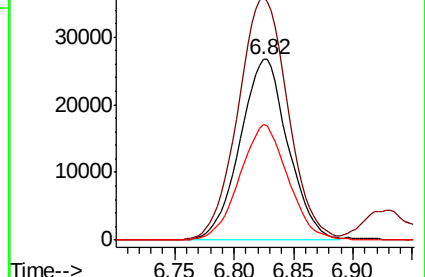
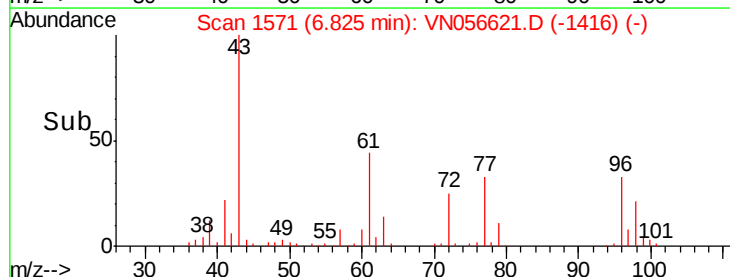
98 64.1 52.0 78.0

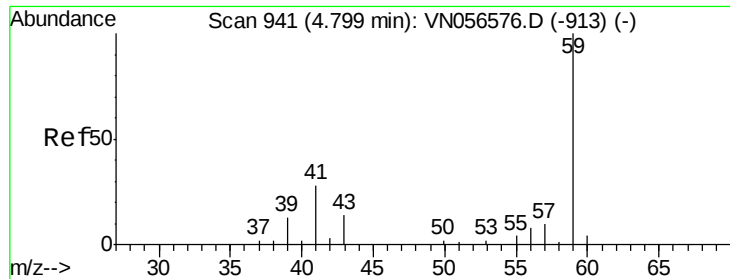


Abundance Ion 96.00 (95.70 to 96.70): VN056621.D (-1416) (-)

Ion 61.00 (60.70 to 61.70): VN056621.D (-1416) (-)

Ion 98.00 (97.70 to 98.70): VN056621.D (-1416) (-)



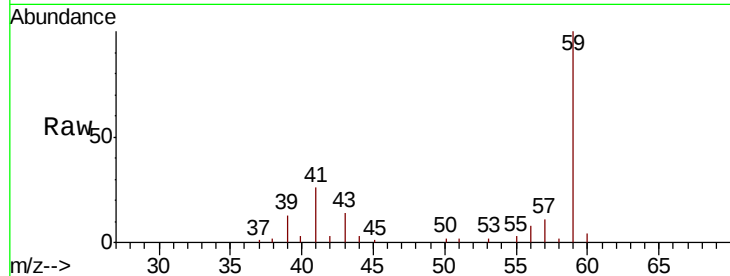


#23

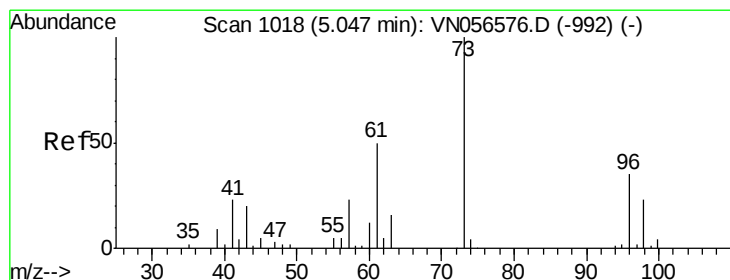
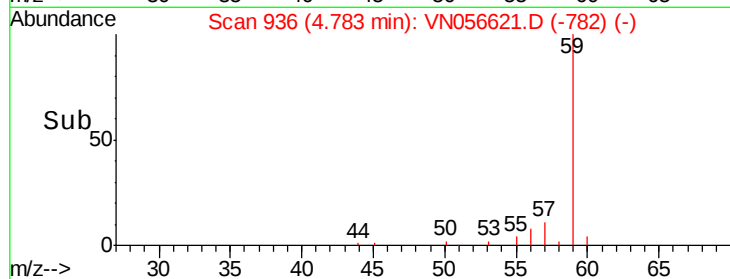
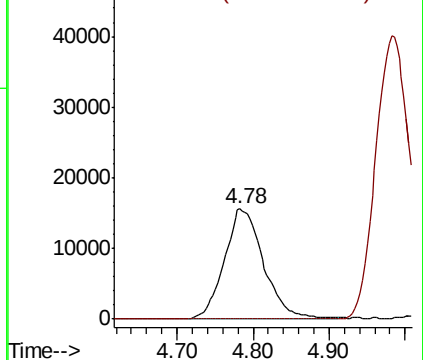
tert-Butyl Alcohol
 Concen: 83.869 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 59 Resp: 56193
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



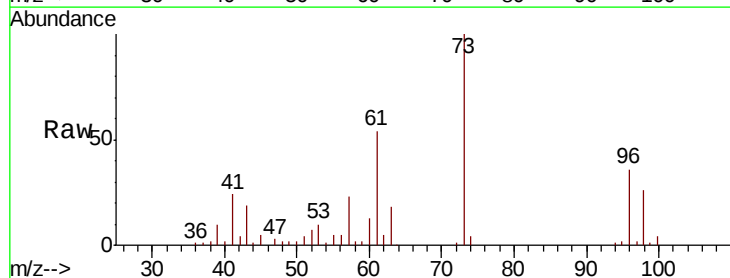
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



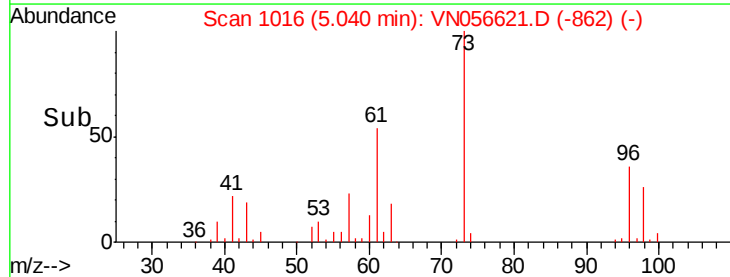
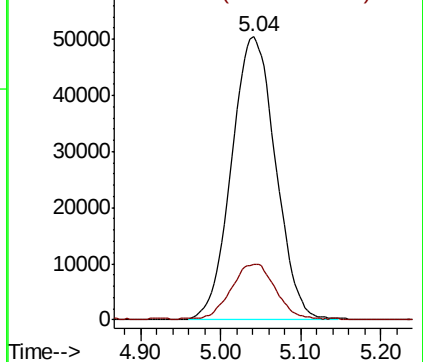
#24

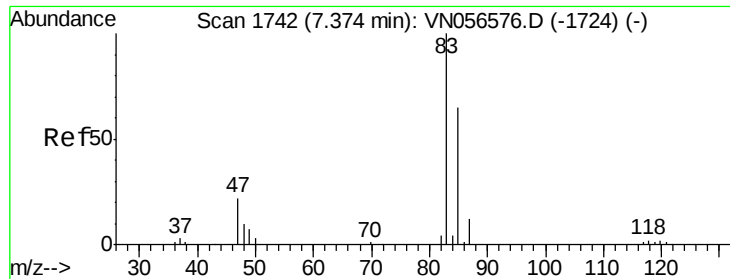
Methyl tert-Butyl Ether
 Concen: 18.941 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 73 Resp: 189497
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

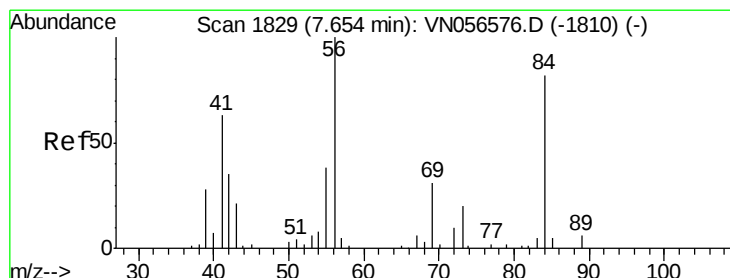
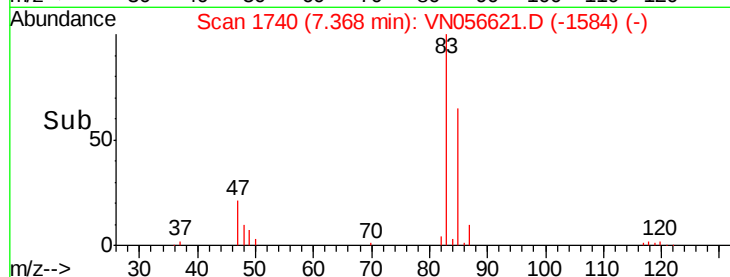
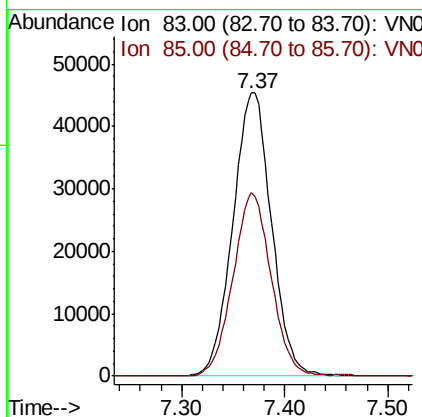
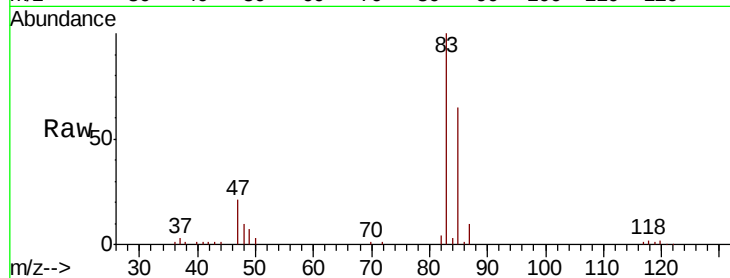




#25
Chloroform
Concen: 19.556 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

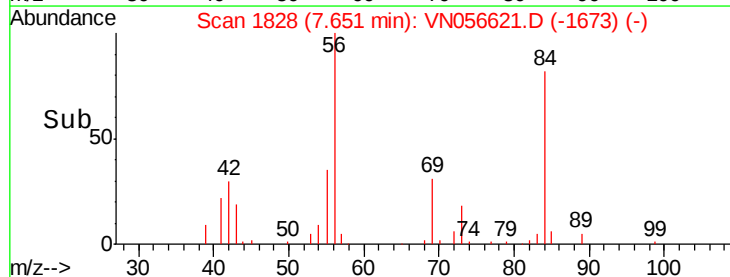
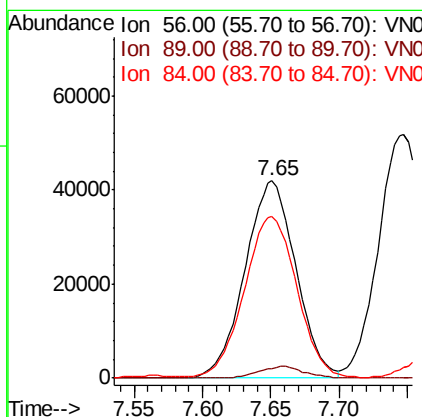
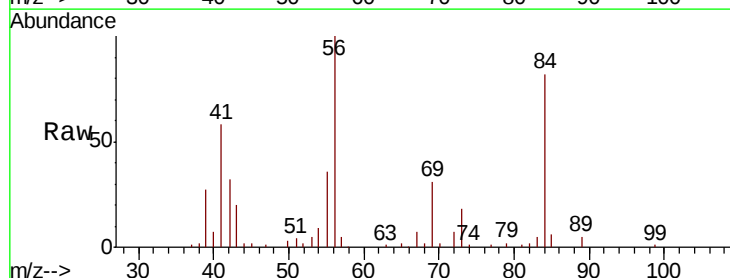
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

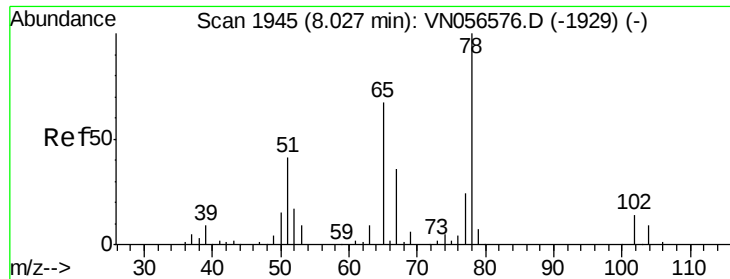
Tgt Ion: 83 Resp: 118247
Ion Ratio Lower Upper
83 100
85 64.8 52.0 78.0



#26
Cyclohexane
Concen: 19.160 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 56 Resp: 108871
Ion Ratio Lower Upper
56 100
89 5.1 0.0 0.0#
84 84.8 70.1 105.1

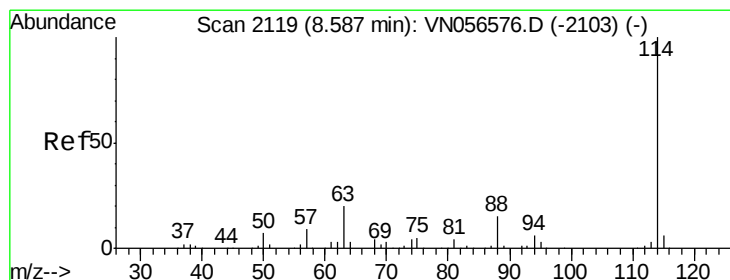
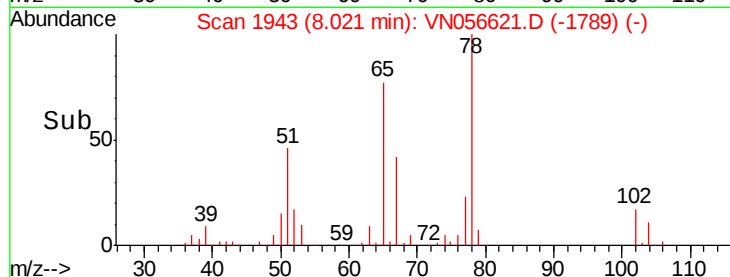
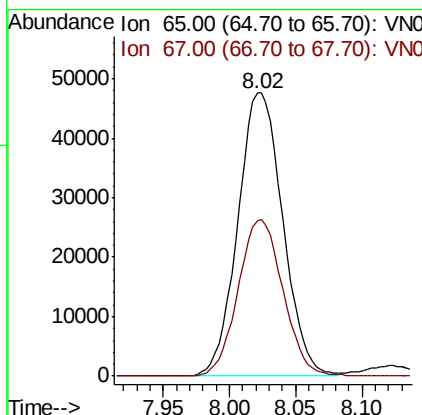
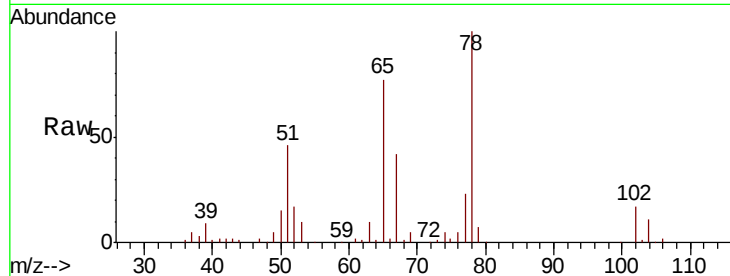




#27
 1,2-Dichloroethane-d4
 Concen: 29.436 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

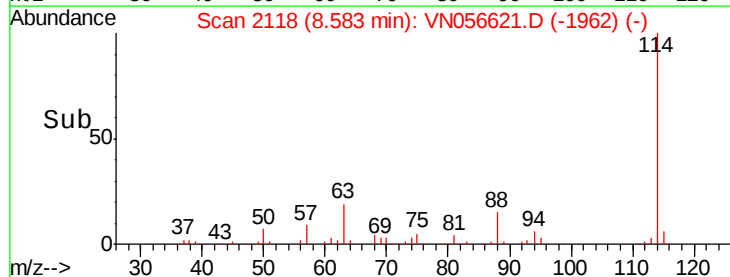
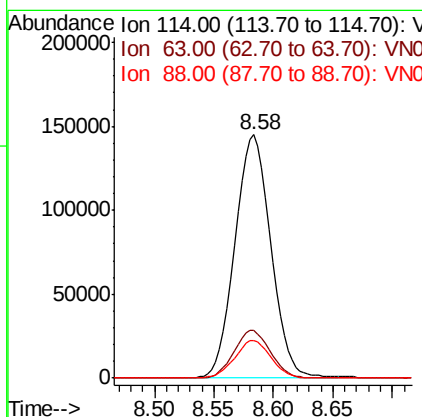
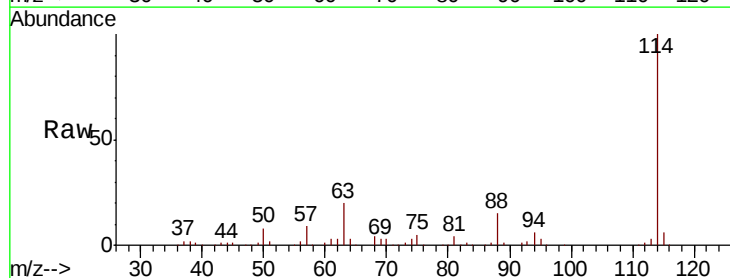
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

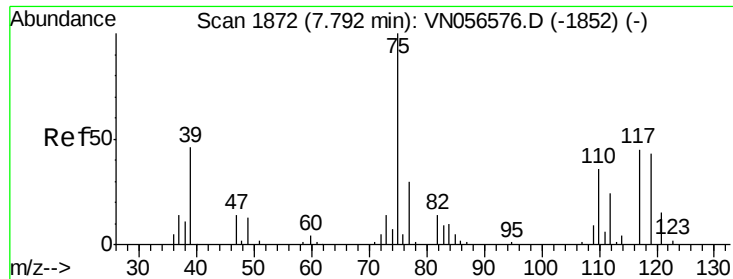
Tgt Ion: 65 Resp: 112293
 Ion Ratio Lower Upper
 65 100
 67 55.1 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 114 Resp: 304355
 Ion Ratio Lower Upper
 114 100
 63 19.6 14.7 22.1
 88 15.6 11.9 17.9

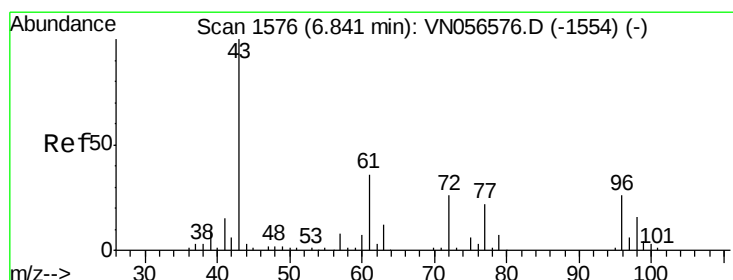
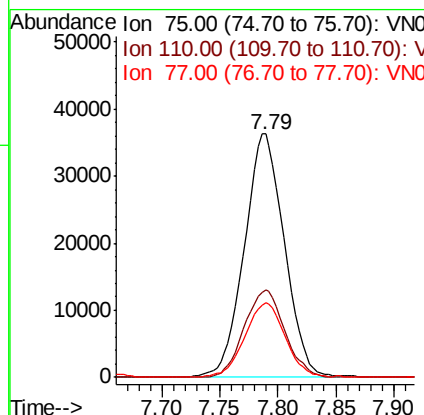
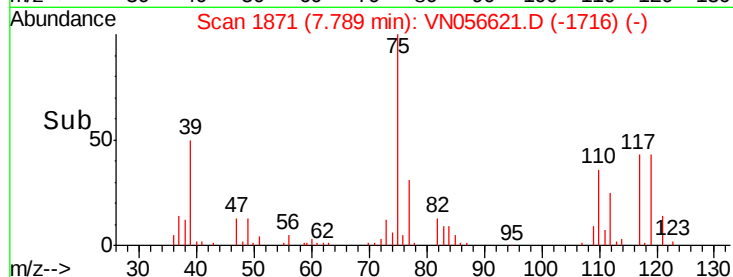
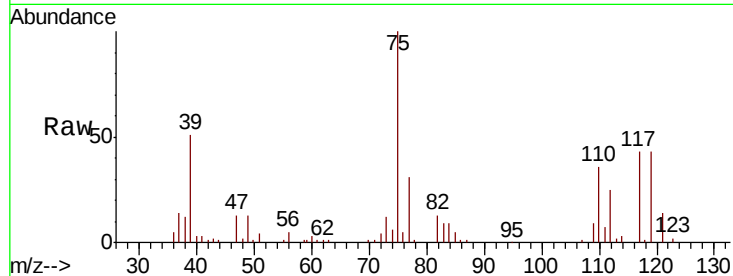




#29
 1,1-Dichloropropene
 Concen: 19.419 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

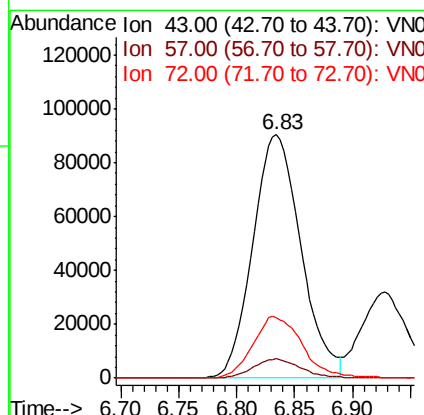
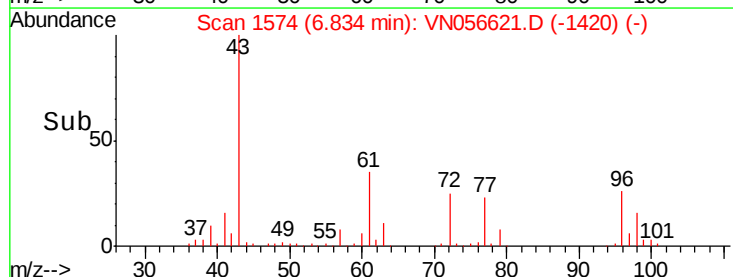
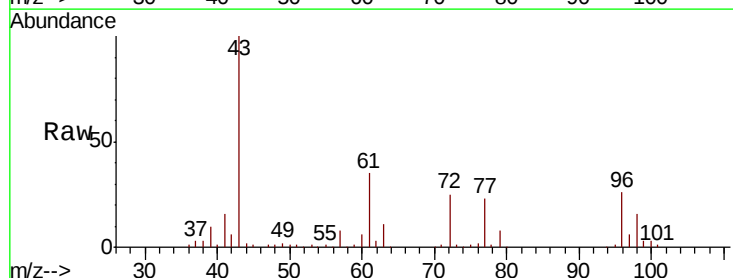
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

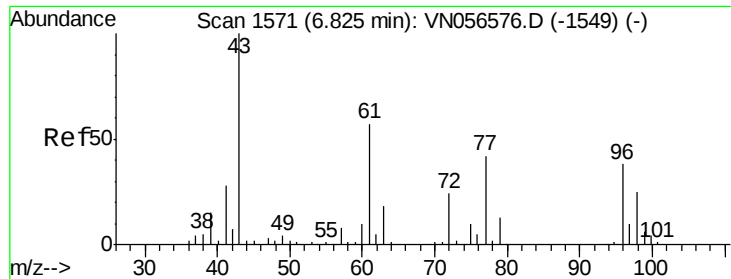
Tgt Ion: 75 Resp: 87274
 Ion Ratio Lower Upper
 75 100
 110 36.2 0.0 77.0
 77 30.9 0.0 62.4



#30
 2-Butanone
 Concen: 104.548 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 260486
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.7 10.1
 72 26.1 22.4 33.6

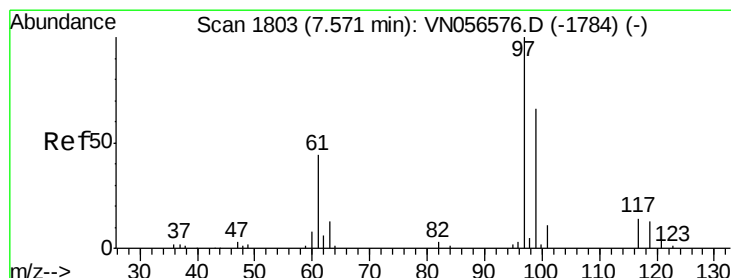
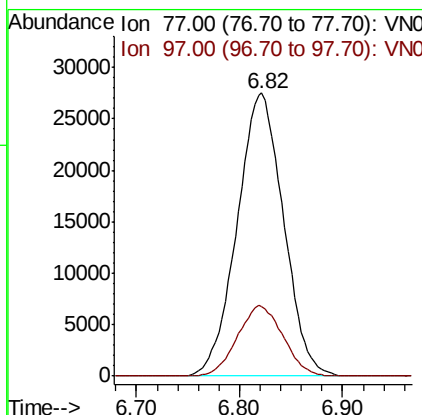
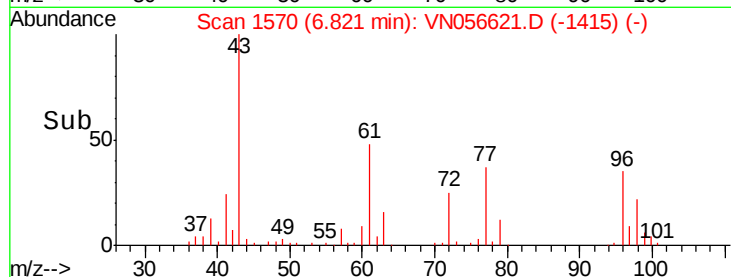
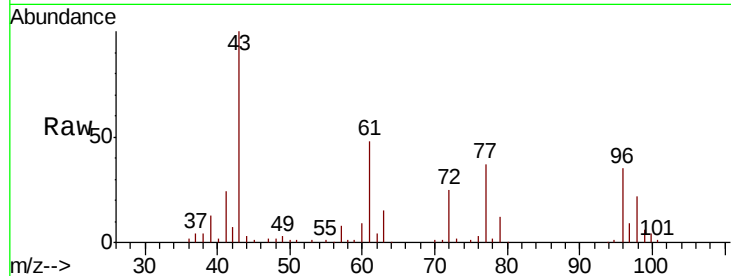




#31
 2,2-Dichloropropane
 Concen: 19.866 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

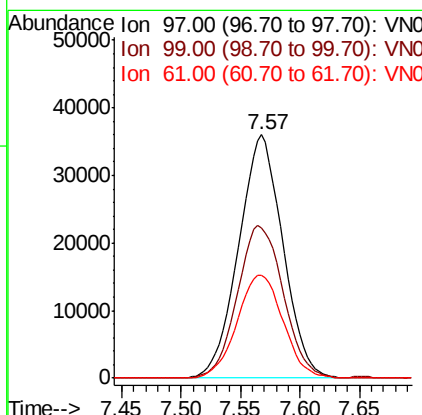
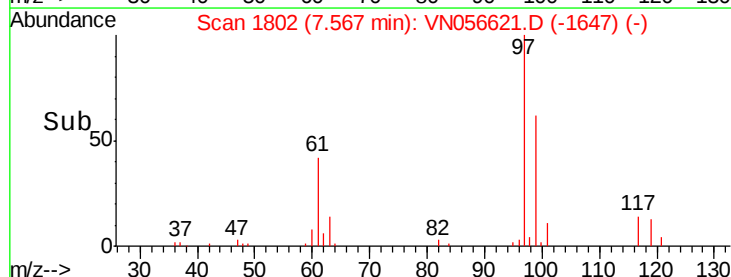
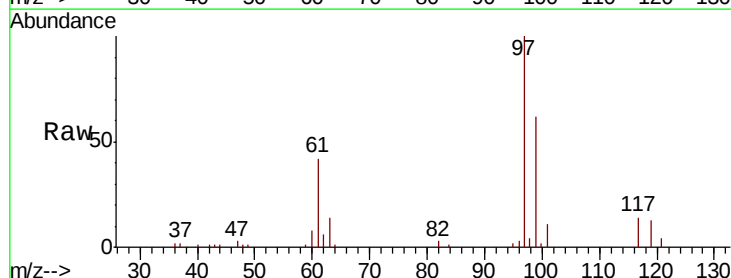
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

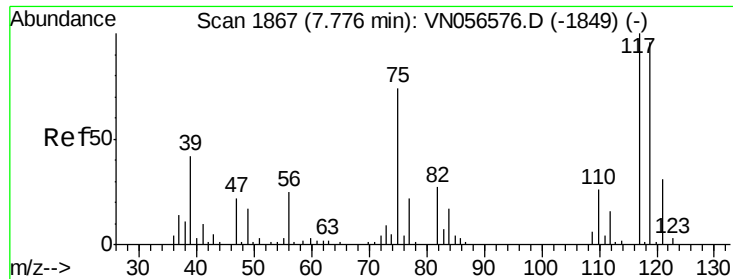
Tgt Ion: 77 Resp: 85851
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 19.337 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 97 Resp: 92649
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.5 77.3
 61 43.9 32.9 49.3

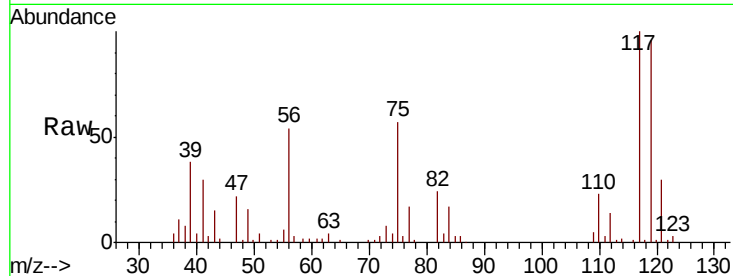




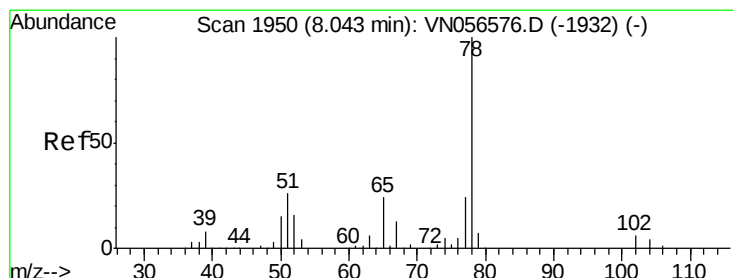
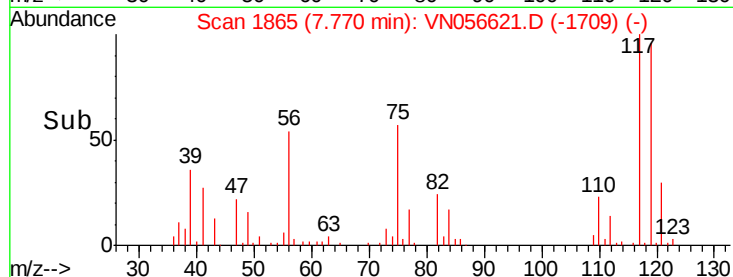
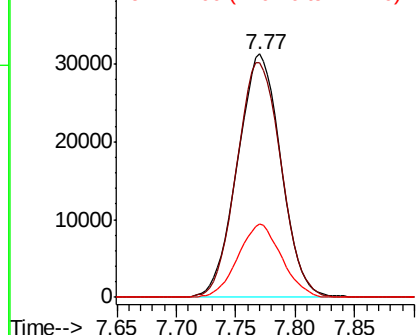
#33
Carbon Tetrachloride
Concen: 19.496 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 79186
Ion Ratio Lower Upper
117 100
119 96.5 77.3 115.9
121 30.2 25.0 37.4

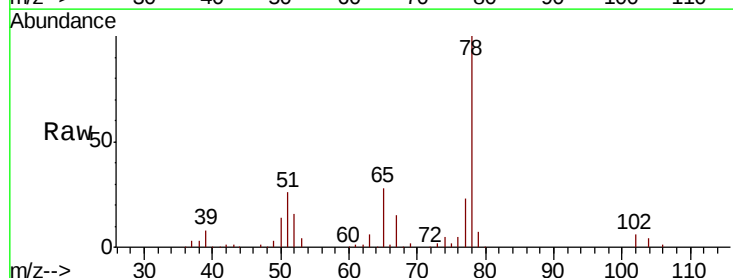


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

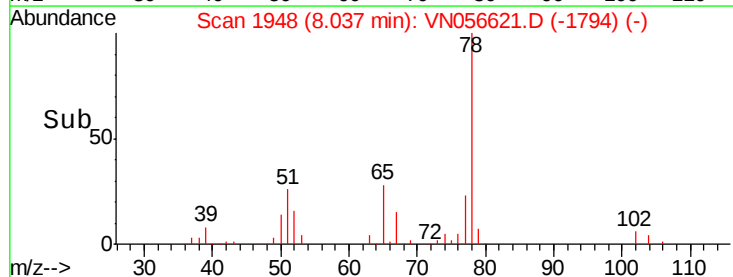
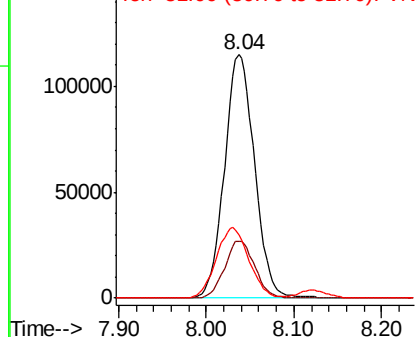


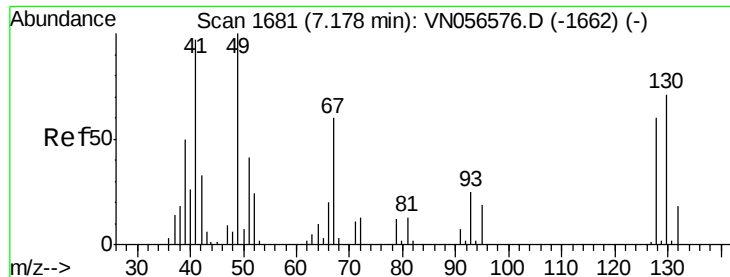
#34
Benzene
Concen: 19.498 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 78 Resp: 274022
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9
51 25.7 19.8 29.8



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

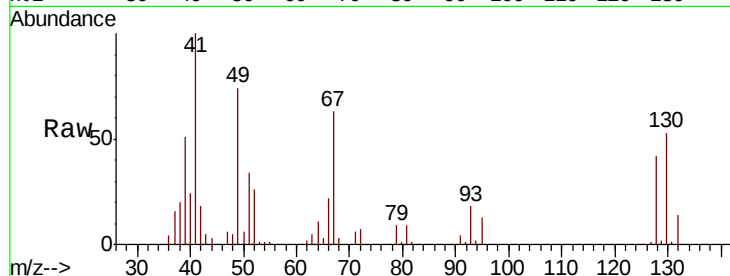




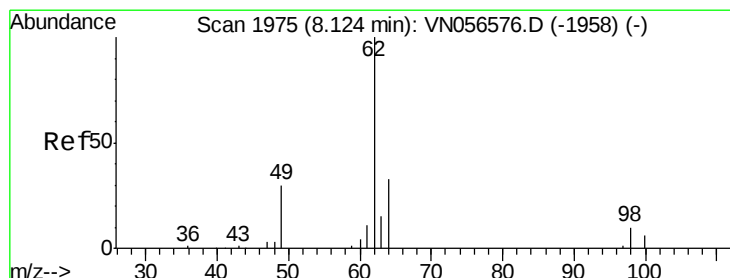
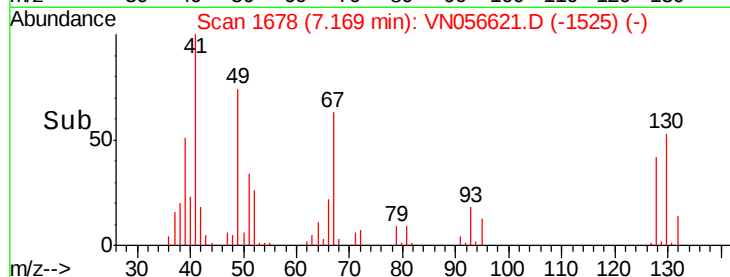
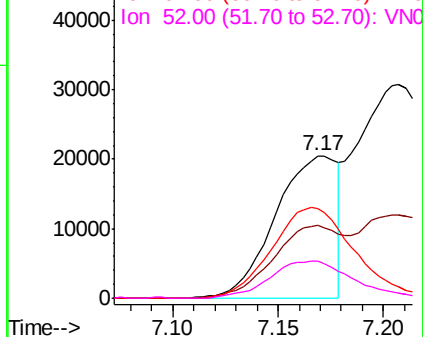
#35
Methacrylonitrile
Concen: 18.860 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	41731
Ion	Ratio	Lower	Upper
41	100		
39	50.9	24.8	74.3
67	63.4	34.3	102.9
52	25.8	12.6	37.8

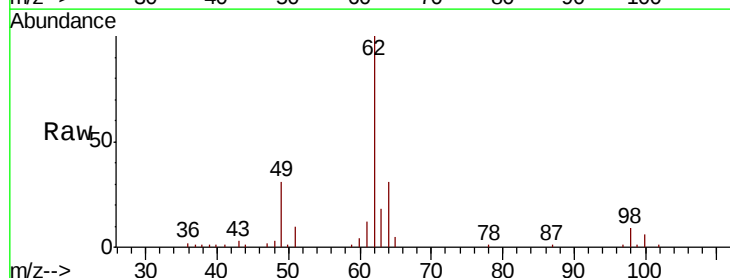


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

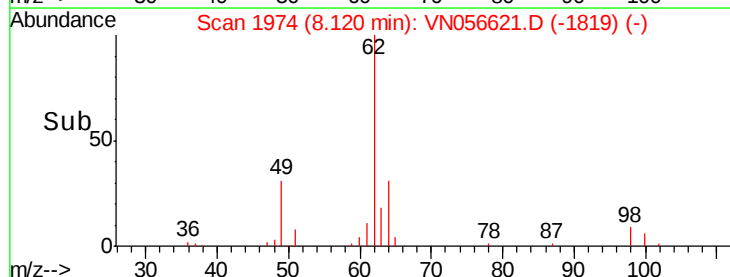
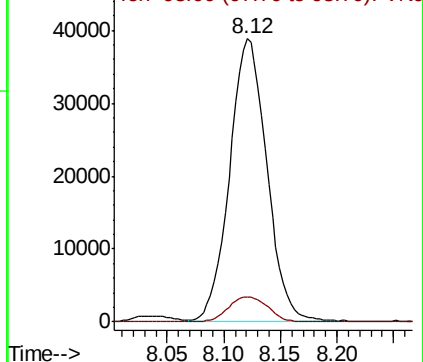


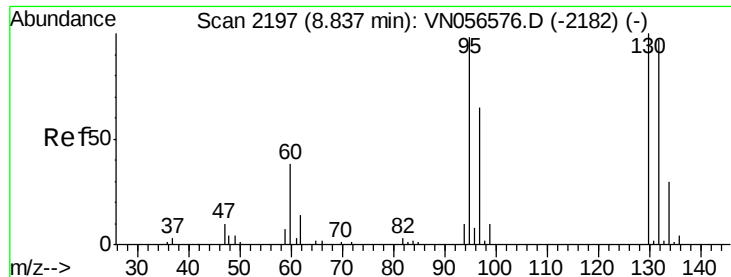
#36
1,2-Dichloroethane
Concen: 19.408 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:	62	Resp:	88650
Ion	Ratio	Lower	Upper
62	100		
98	9.3	8.6	13.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

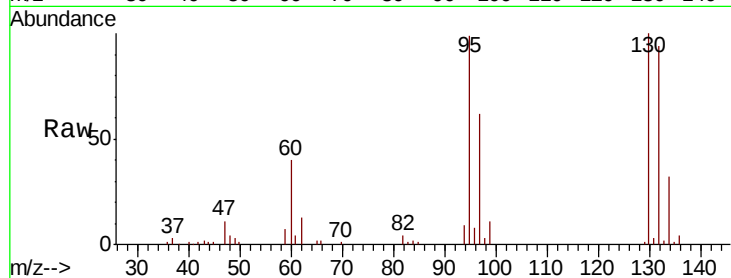




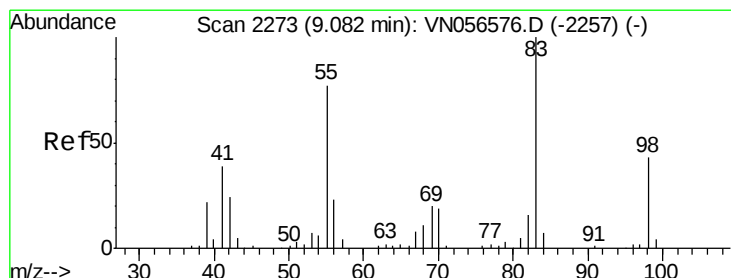
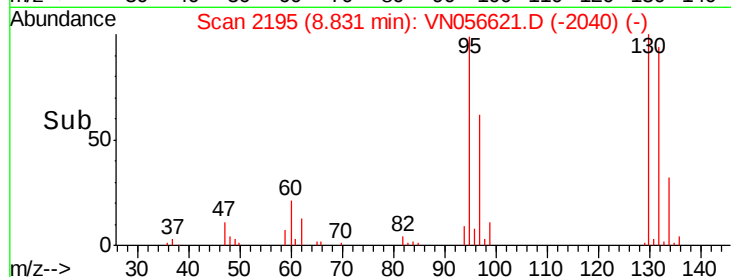
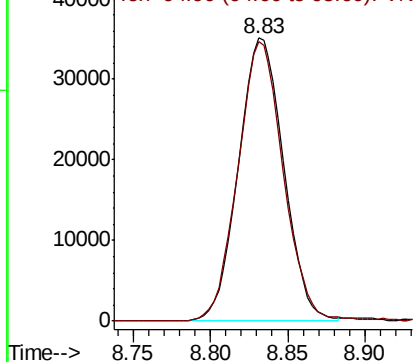
#37
 Trichloroethene
 Concen: 19.494 ug/l
 RT: 8.83 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 130 Resp: 71452
 Ion Ratio Lower Upper
 130 100
 95 99.0 73.0 109.6

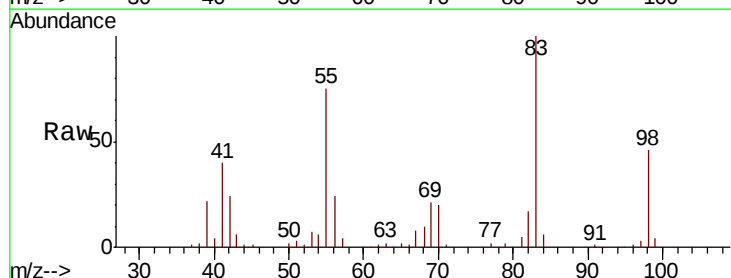


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

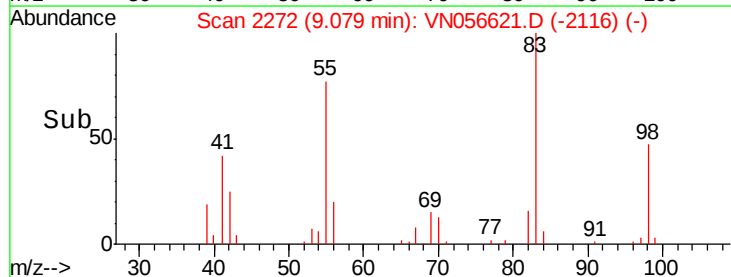
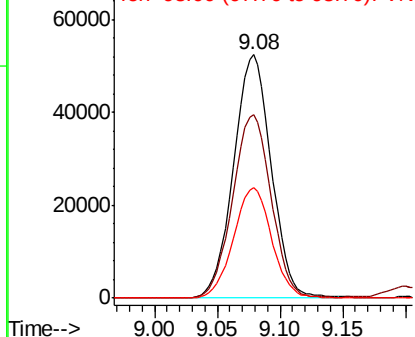


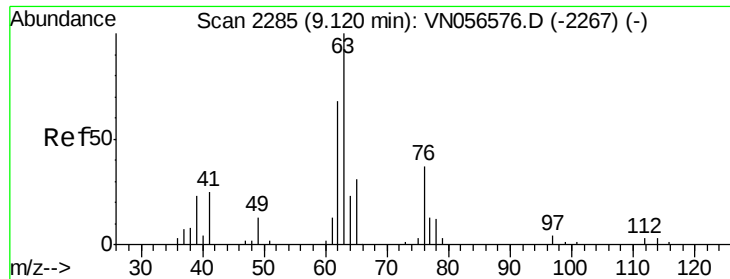
#38
 Methylcyclohexane
 Concen: 19.467 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 83 Resp: 109645
 Ion Ratio Lower Upper
 83 100
 55 76.8 37.5 112.7
 98 45.9 23.1 69.3



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





#39

1,2-Dichloropropane

Concen: 19.469 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

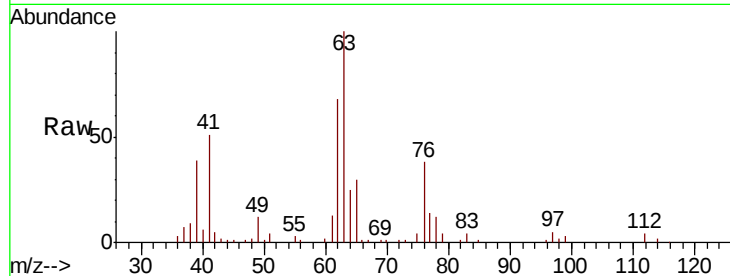
VSTDCCC020

Tgt Ion: 63 Resp: 73654

Ion Ratio Lower Upper

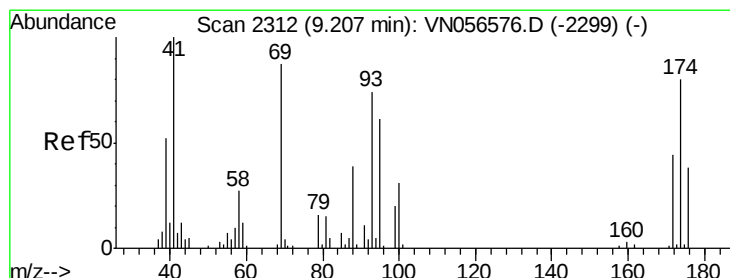
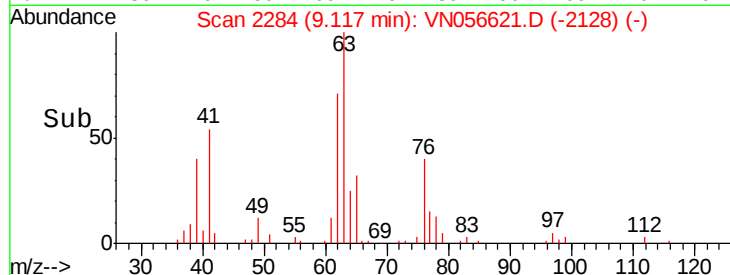
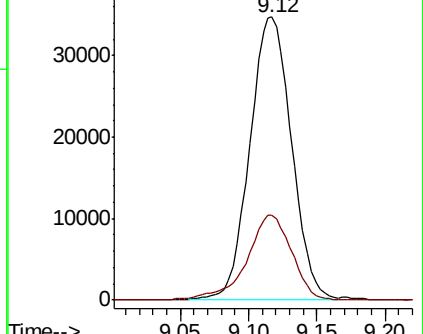
63 100

65 30.1 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.512 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

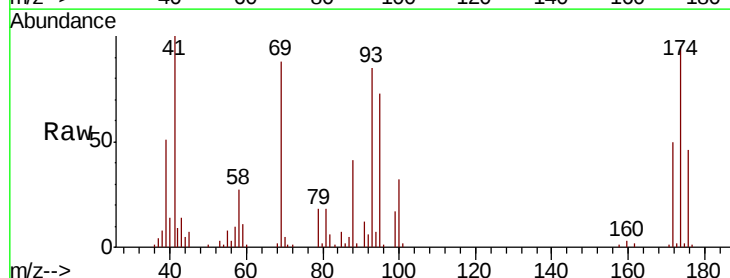
Tgt Ion: 93 Resp: 45631

Ion Ratio Lower Upper

93 100

95 84.5 0.0 169.0

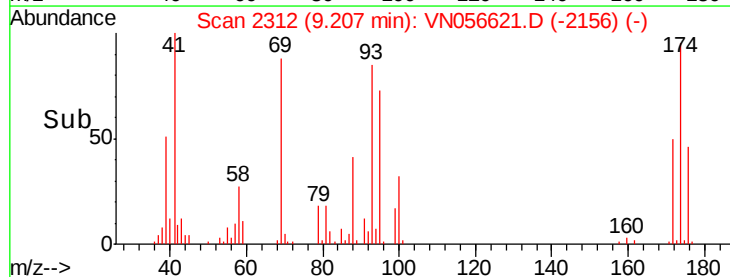
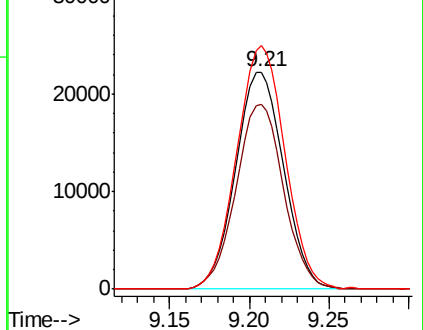
174 113.0 0.0 246.4

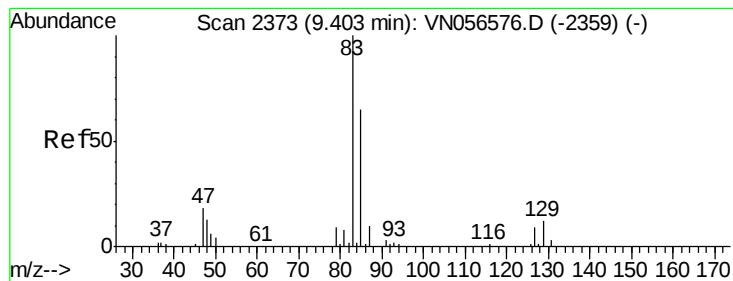


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.454 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

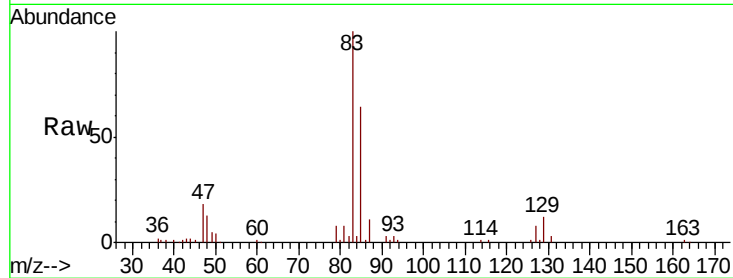
Tgt Ion: 83 Resp: 84318

Ion Ratio Lower Upper

83 100

85 63.8 51.8 77.6

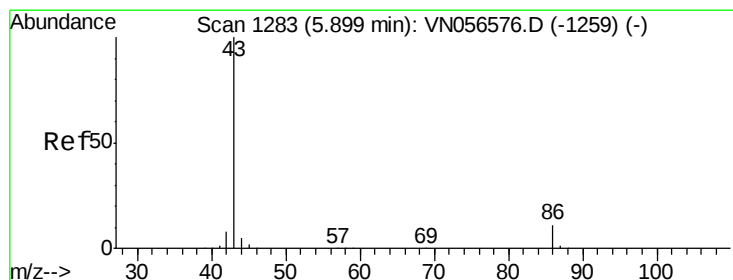
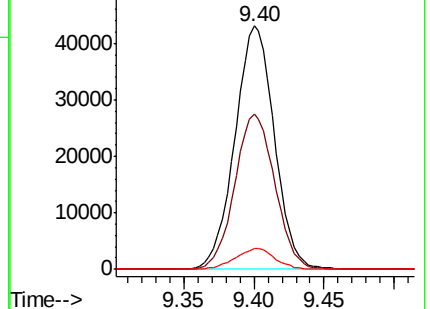
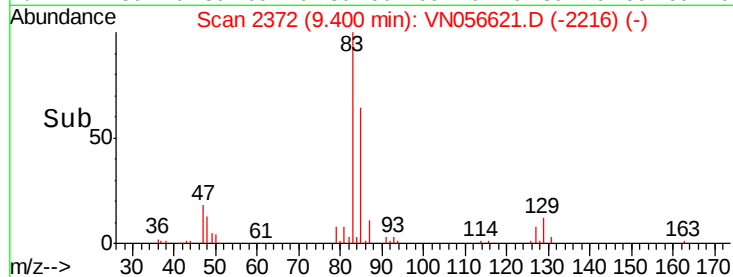
127 8.4 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056621.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN056621.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN056621.D (-2216) (-)



#42

Vinyl Acetate

Concen: 95.953 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VN056621.D

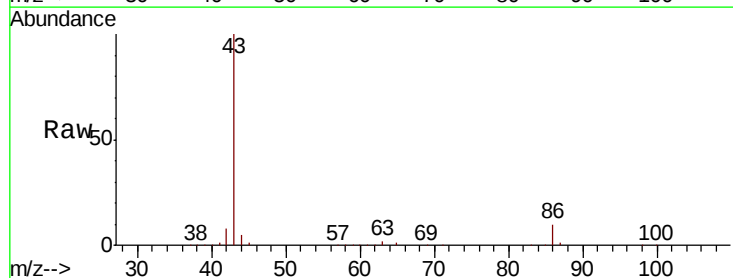
Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 851254

Ion Ratio Lower Upper

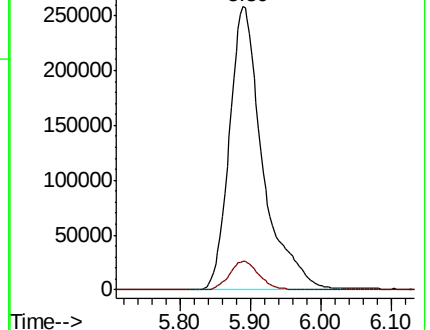
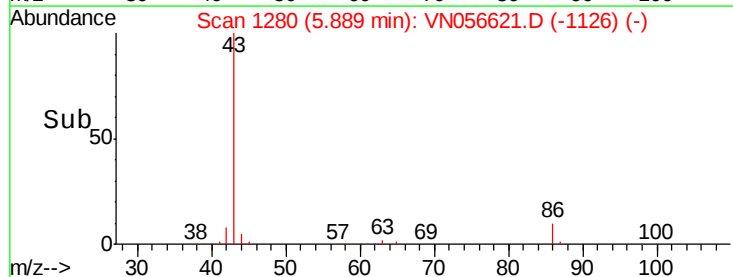
43 100

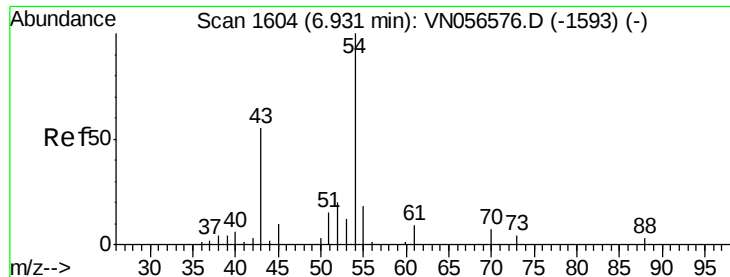
86 9.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056621.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056621.D (-1126) (-)





#43

Ethyl Acetate

Concen: 18.568 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

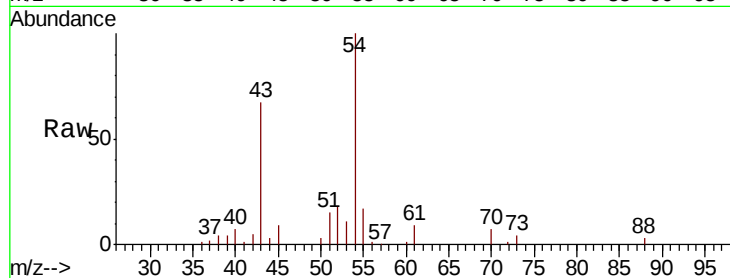
VSTDCCC020

Tgt Ion: 43 Resp: 89491

Ion Ratio Lower Upper

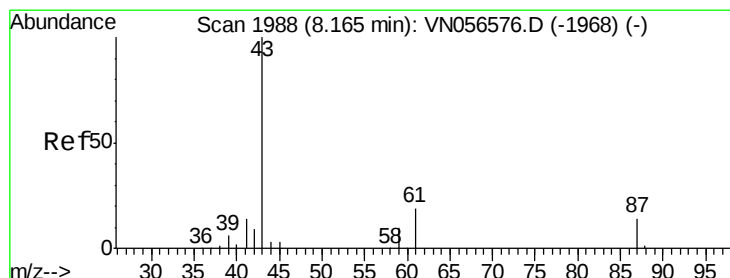
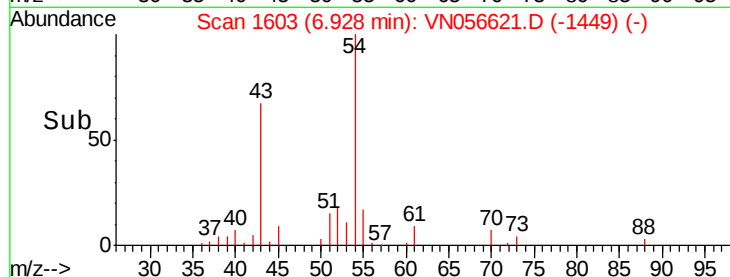
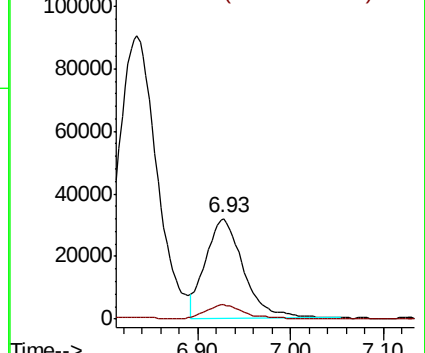
43 100

45 12.8 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.977 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056621.D

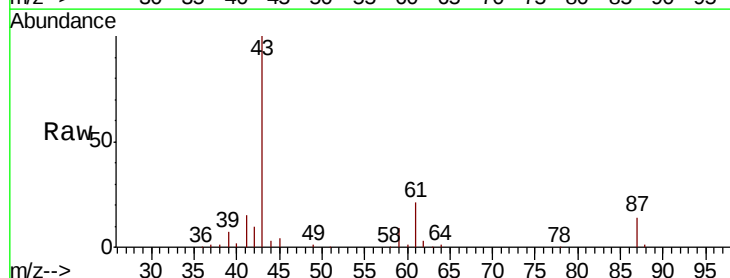
Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 142699

Ion Ratio Lower Upper

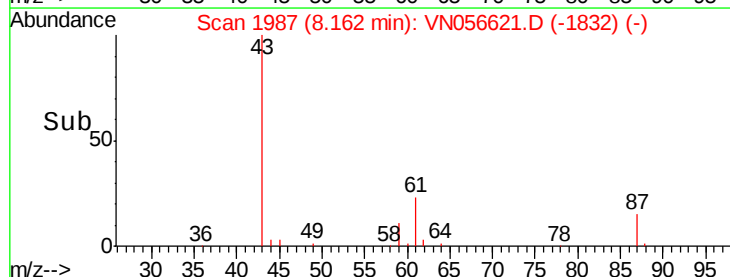
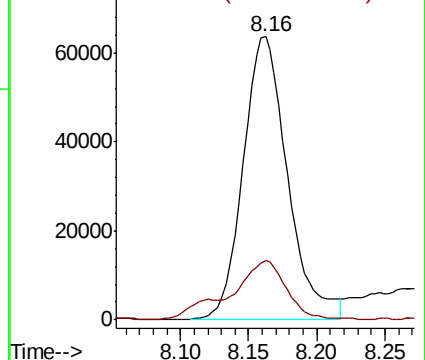
43 100

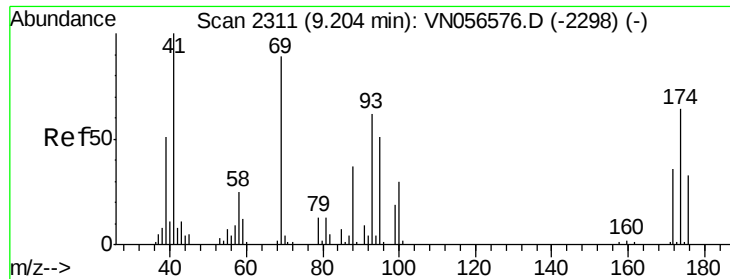
61 20.5 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

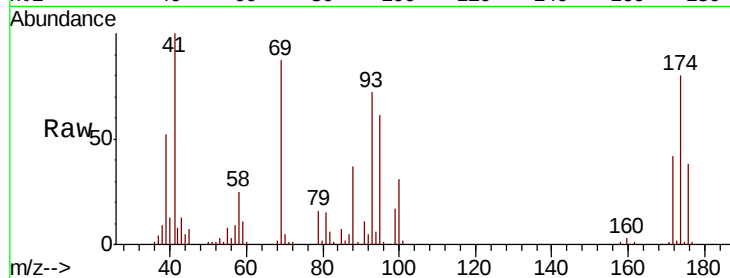




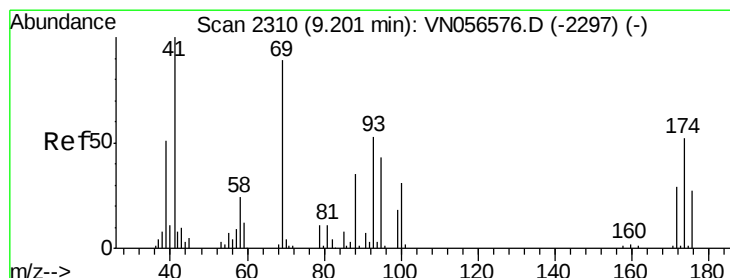
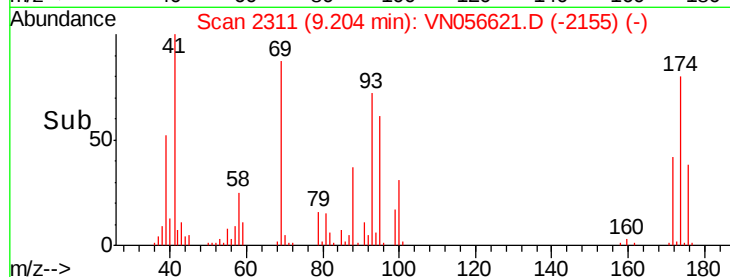
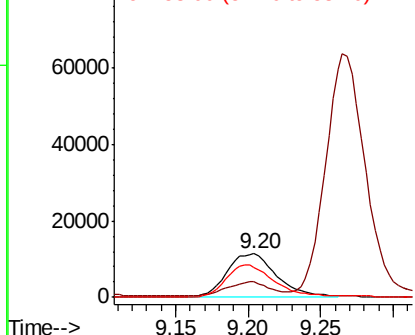
#45
 1,4-Dioxane
 Concen: 373.145 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 88 Resp: 27455
 Ion Ratio Lower Upper
 88 100
 43 27.4 19.8 29.6
 58 71.4 48.5 72.7

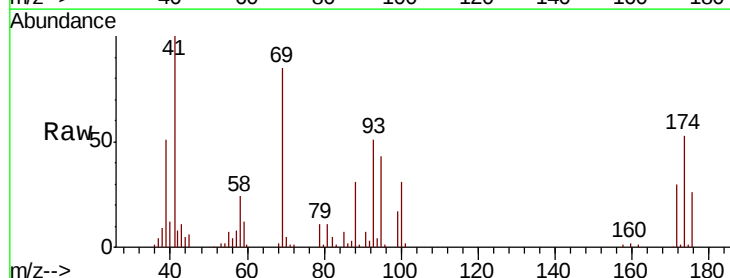


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

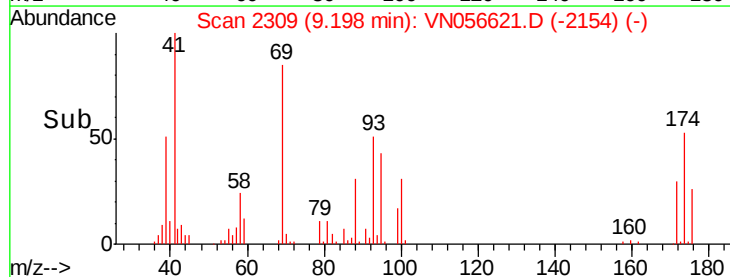
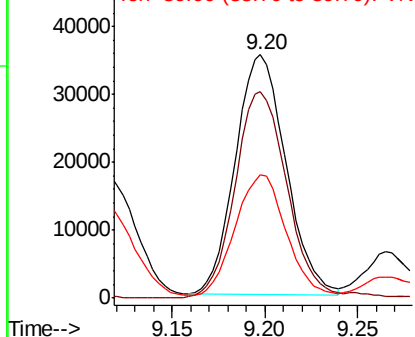


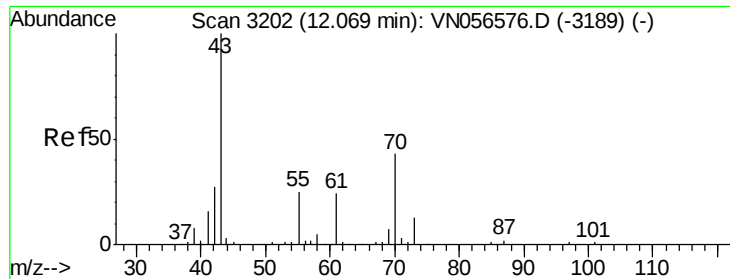
#46
 Methyl methacrylate
 Concen: 18.096 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 41 Resp: 66860
 Ion Ratio Lower Upper
 41 100
 69 85.5 46.0 137.8
 39 50.4 24.6 73.8



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

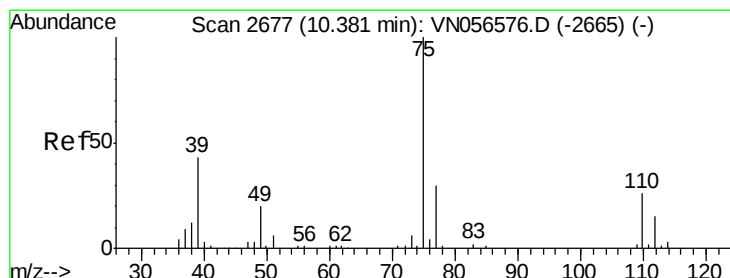
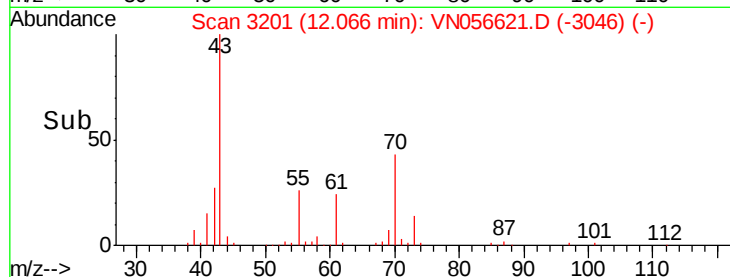
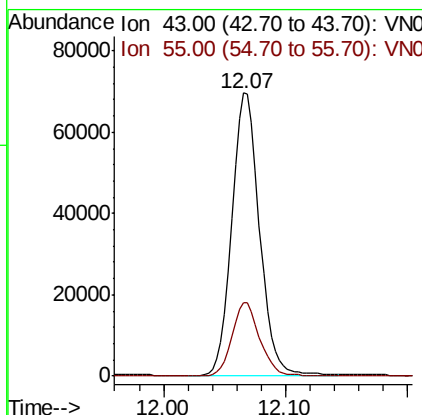
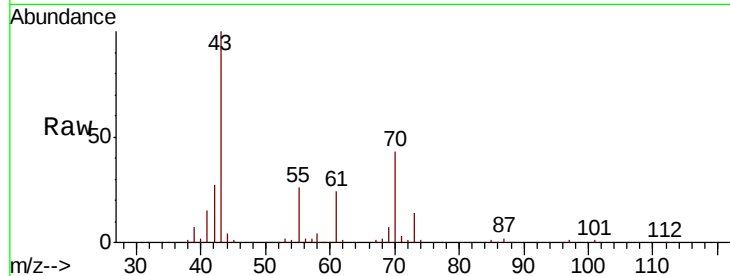




#47
n-amy1 Acetate
Concen: 17.721 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

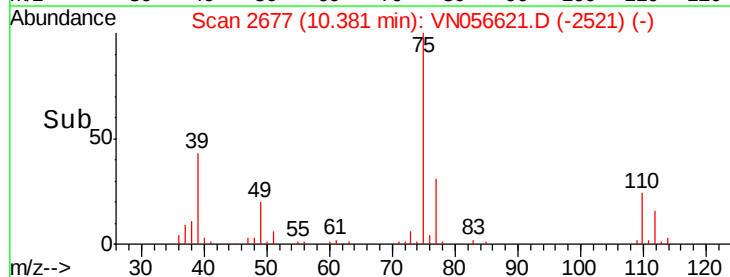
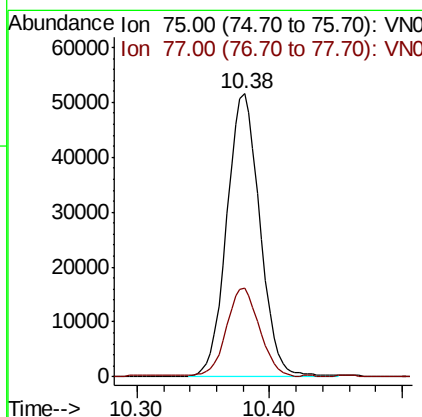
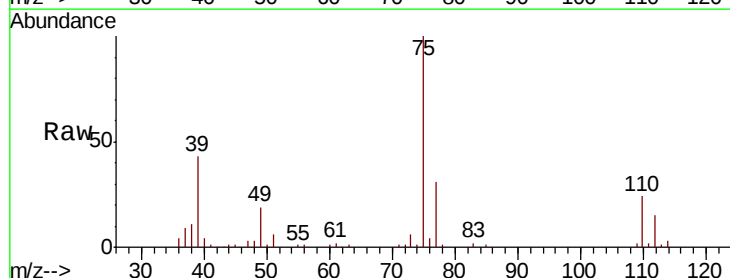
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

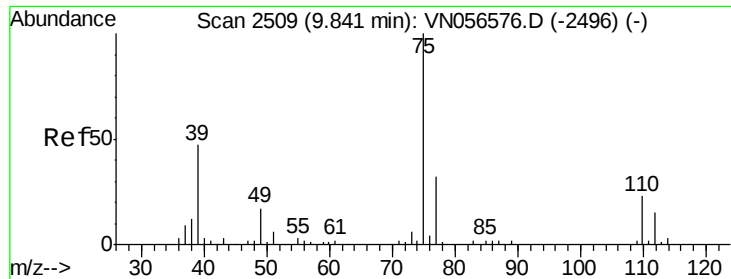
Tgt Ion: 43 Resp: 110759
Ion Ratio Lower Upper
43 100
55 25.9 19.0 28.6



#48
t-1,3-Dichloropropene
Concen: 19.325 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 75 Resp: 89772
Ion Ratio Lower Upper
75 100
77 30.7 26.0 39.0



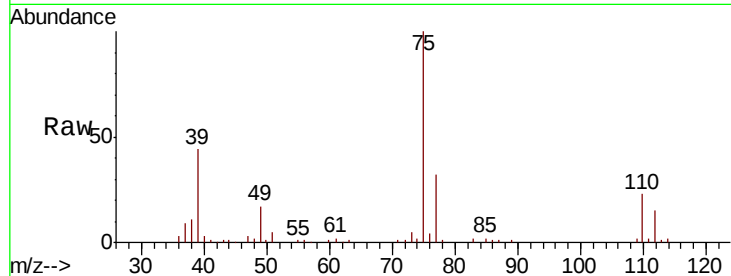


#49

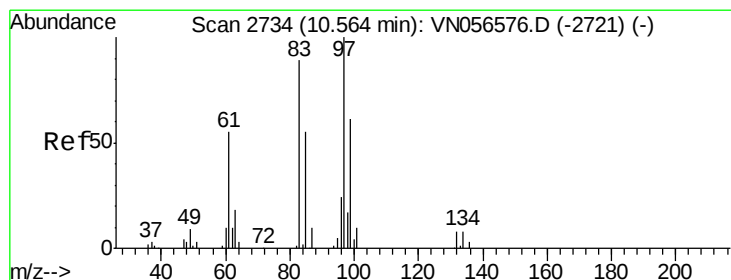
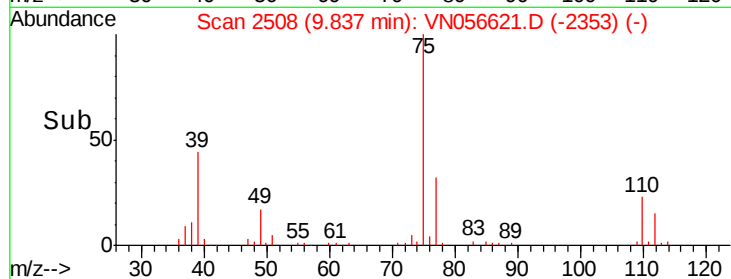
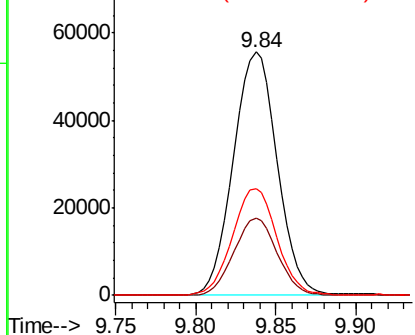
cis-1,3-Dichloropropene
 Concen: 19.496 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 75 Resp: 104459
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7
 39 43.7 34.3 51.5



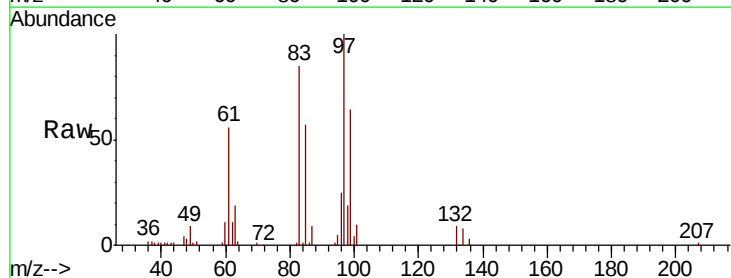
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



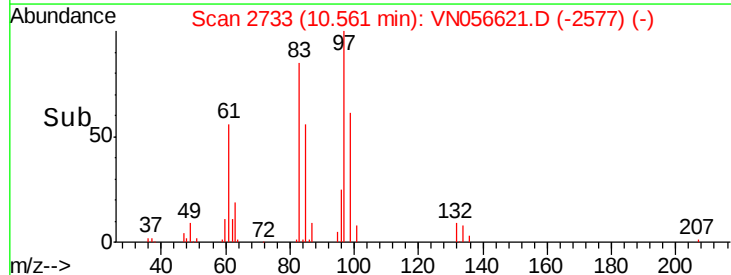
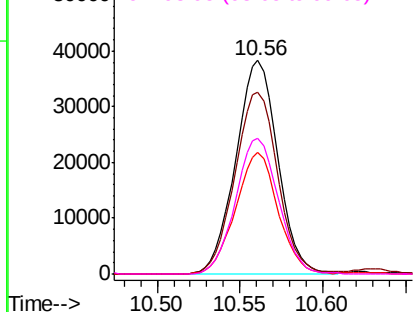
#50

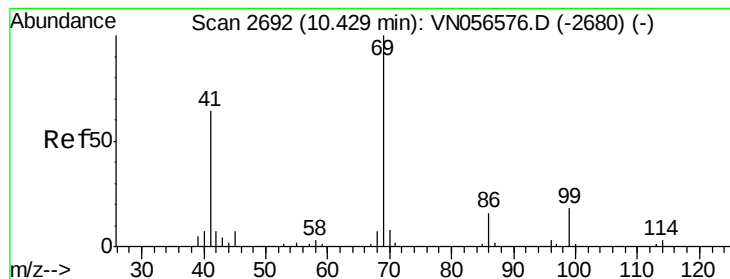
1,1,2-Trichloroethane
 Concen: 19.632 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 97 Resp: 67636
 Ion Ratio Lower Upper
 97 100
 83 85.3 66.9 100.3
 85 56.8 43.3 64.9
 99 63.8 48.6 73.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.415 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

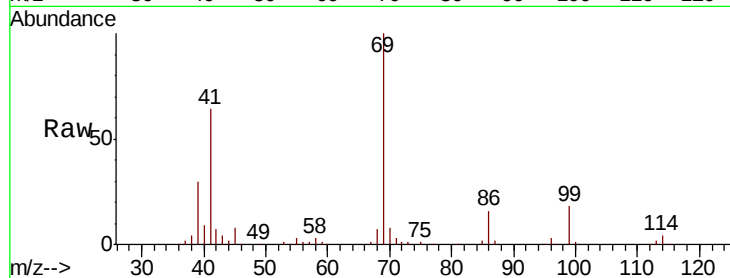
Tgt Ion: 69 Resp: 99921

Ion Ratio Lower Upper

69 100

41 63.7 30.8 92.3

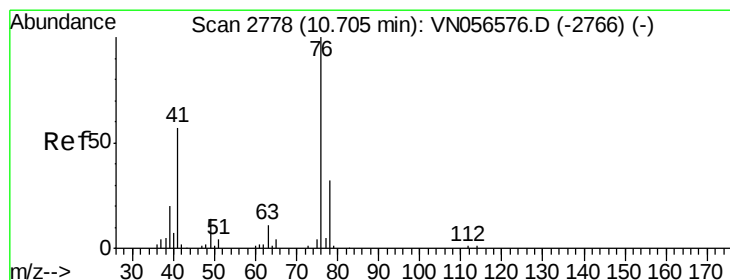
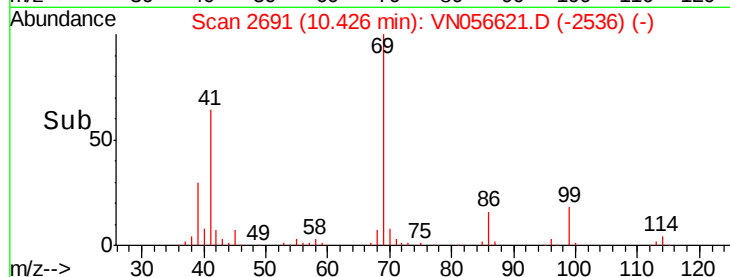
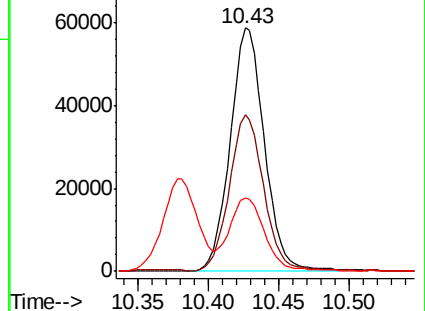
39 29.7 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN056621.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN056621.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN056621.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 19.235 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056621.D

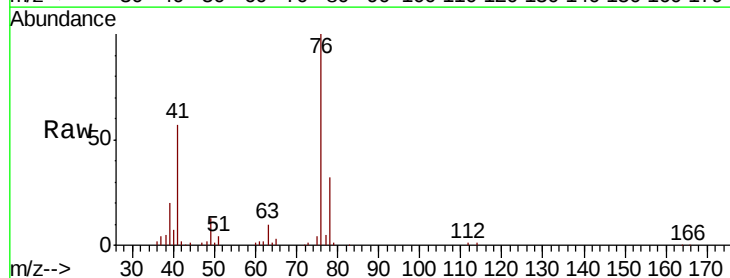
Acq: 9 Jul 2019 10:04

Tgt Ion: 76 Resp: 112603

Ion Ratio Lower Upper

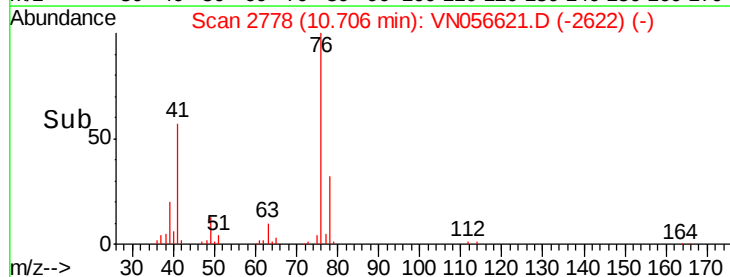
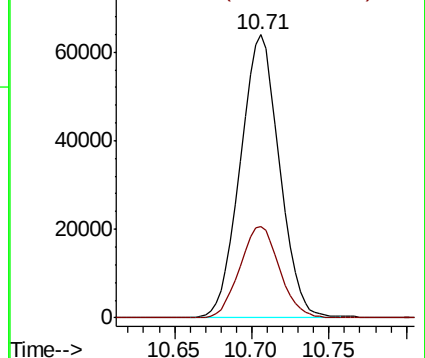
76 100

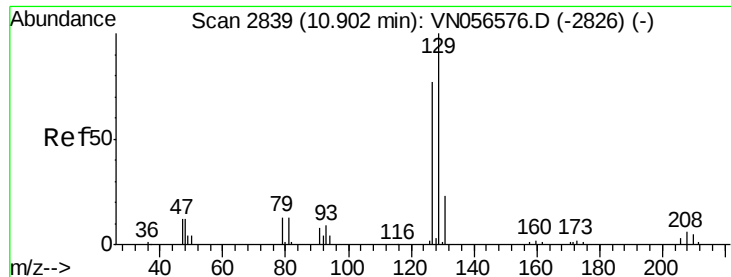
78 32.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056621.D (-2622) (-)

Ion 78.00 (77.70 to 78.70): VN056621.D (-2622) (-)





#53

Dibromochloromethane

Concen: 19.744 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

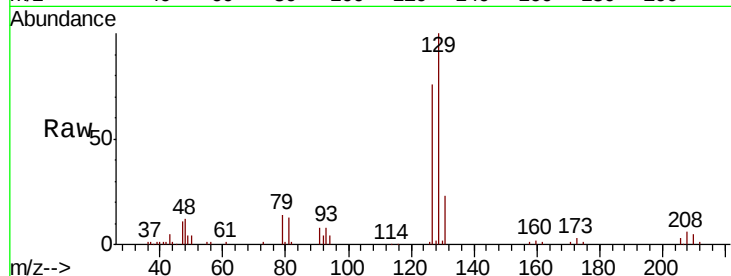
VSTDCCC020

Tgt Ion:129 Resp: 66671

Ion Ratio Lower Upper

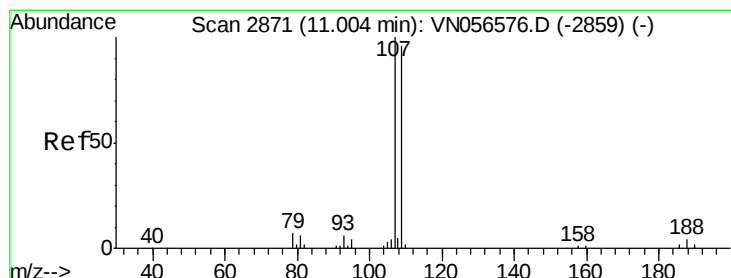
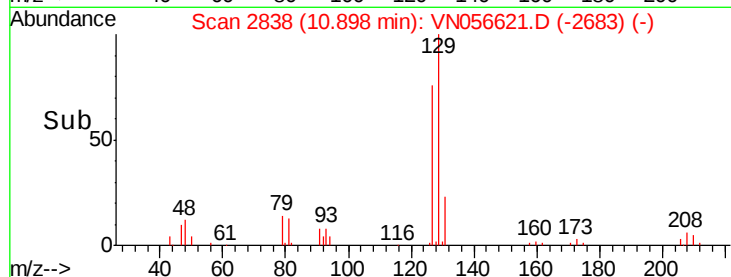
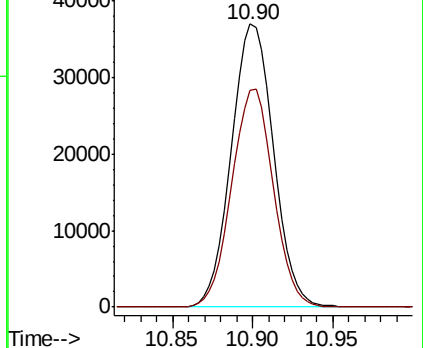
129 100

127 75.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.790 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056621.D

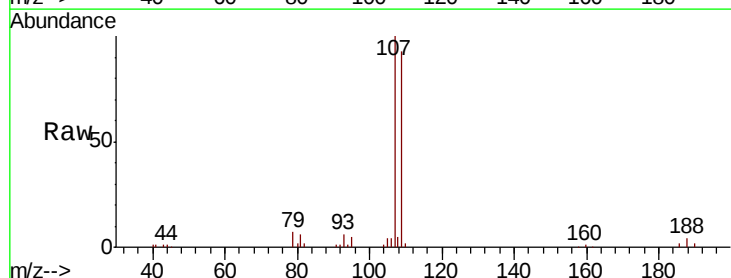
Acq: 9 Jul 2019 10:04

Tgt Ion:107 Resp: 67452

Ion Ratio Lower Upper

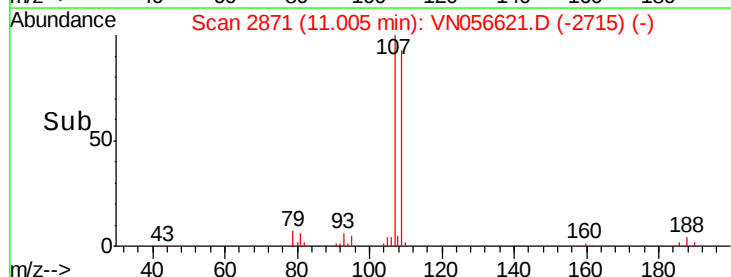
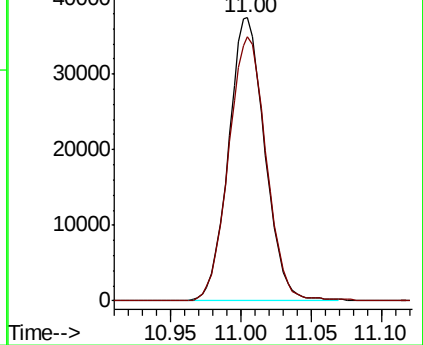
107 100

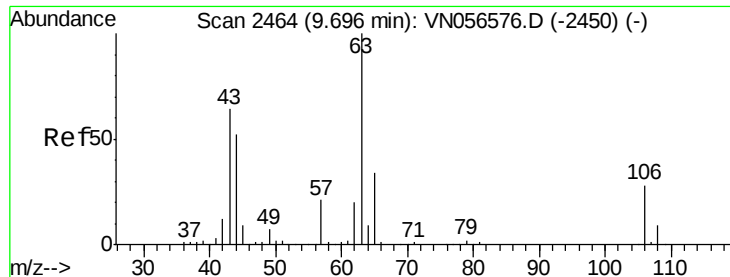
109 96.8 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

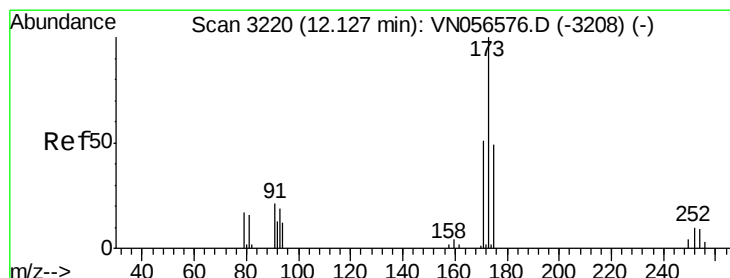
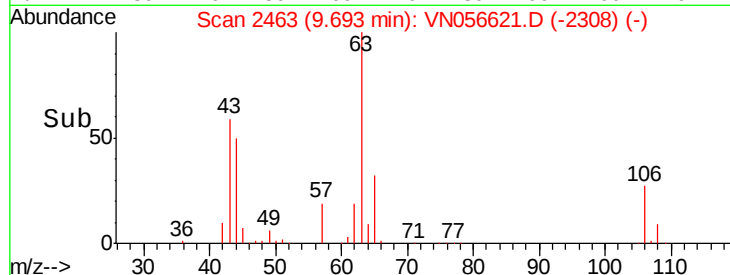
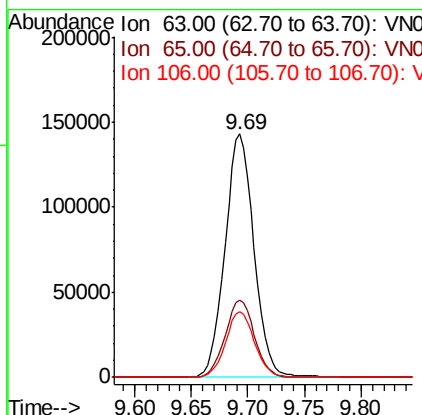
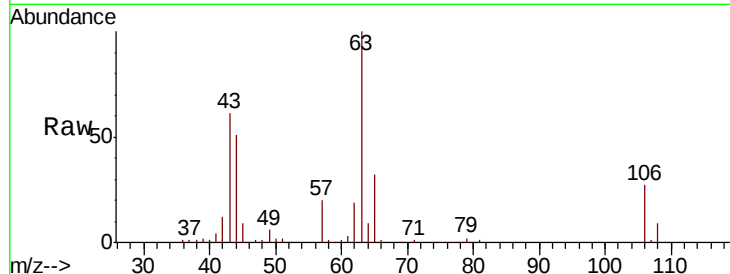




#55
 2-Chloroethyl vinyl ether
 Concen: 92.321 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

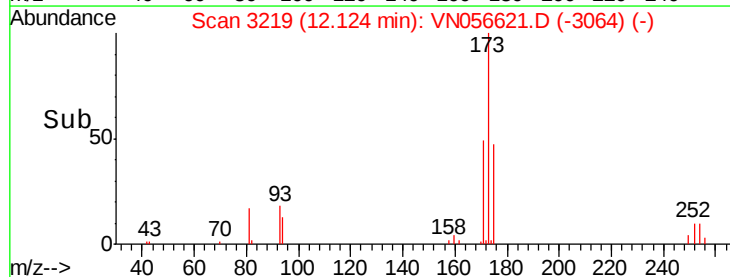
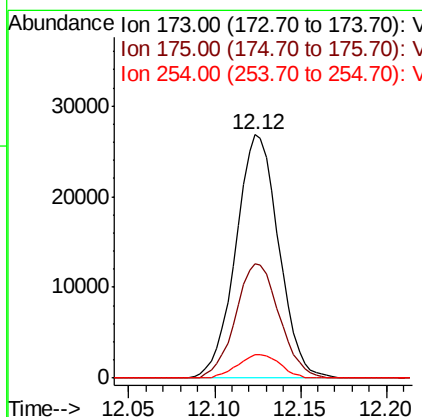
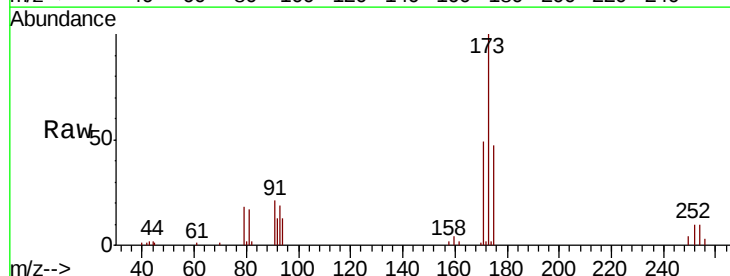
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

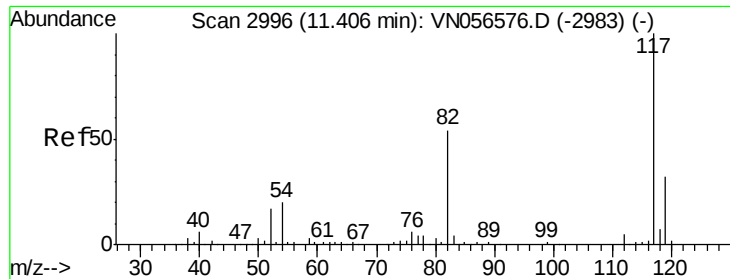
Tgt Ion: 63 Resp: 255256
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3
 106 26.9 23.0 34.4



#56
 Bromoform
 Concen: 19.035 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion: 173 Resp: 46704
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.7 58.1
 254 9.5 6.6 9.8

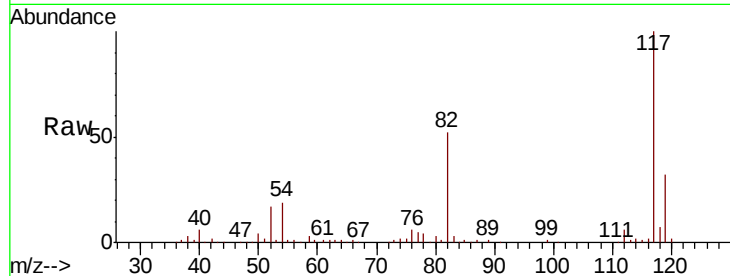




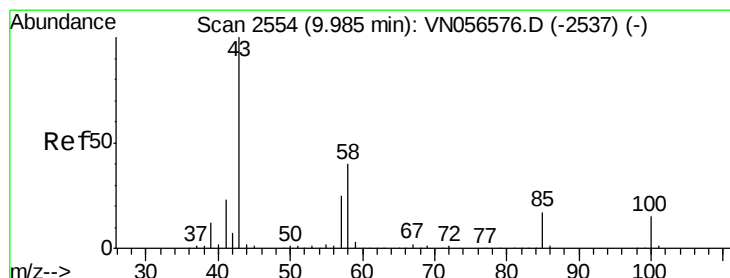
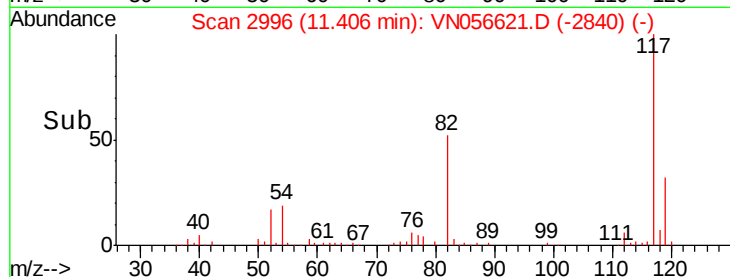
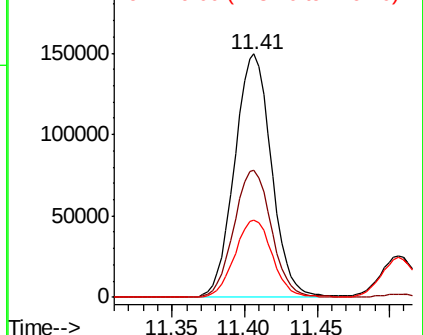
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 117 Resp: 264974
Ion Ratio Lower Upper
117 100
82 53.3 41.2 61.8
119 32.3 26.2 39.2

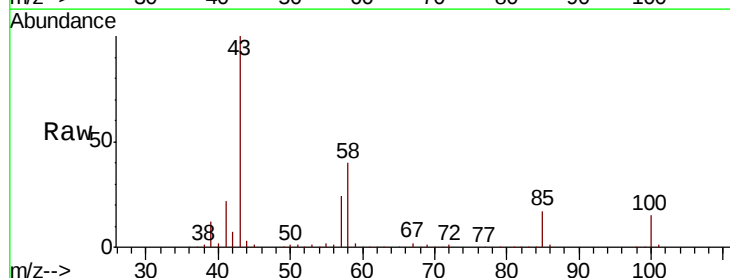


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

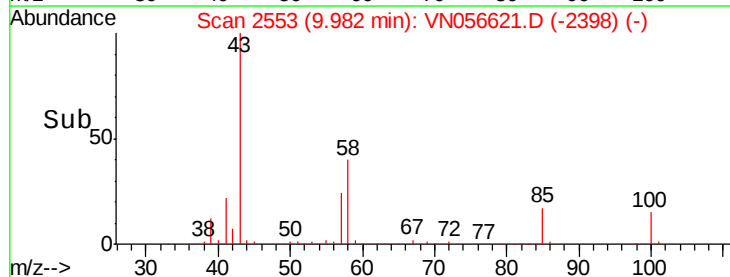
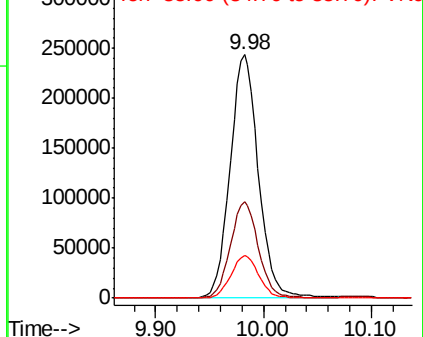


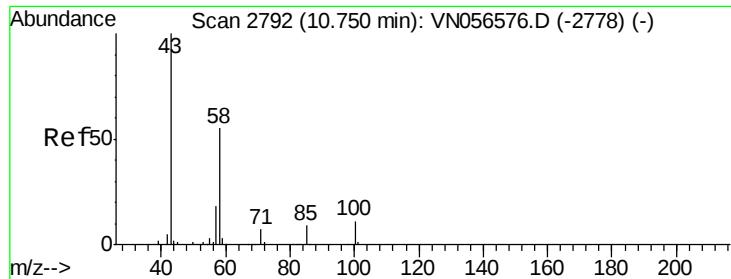
#58
4-Methyl-2-Pentanone
Concen: 93.187 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 43 Resp: 443959
Ion Ratio Lower Upper
43 100
58 39.4 33.1 49.7
85 17.3 15.5 23.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

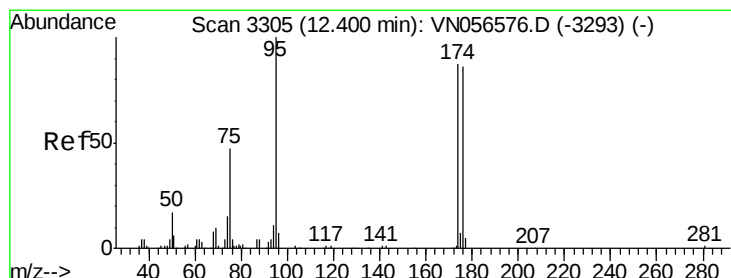
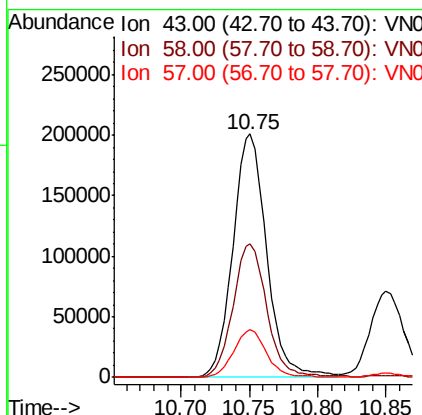
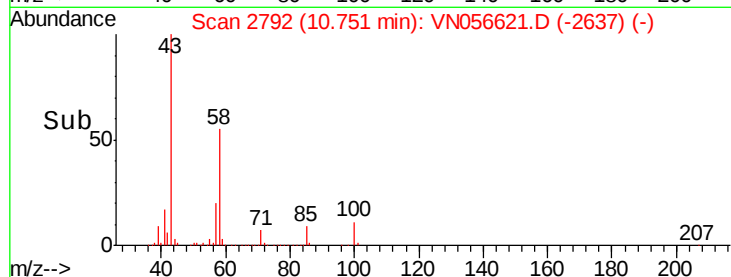
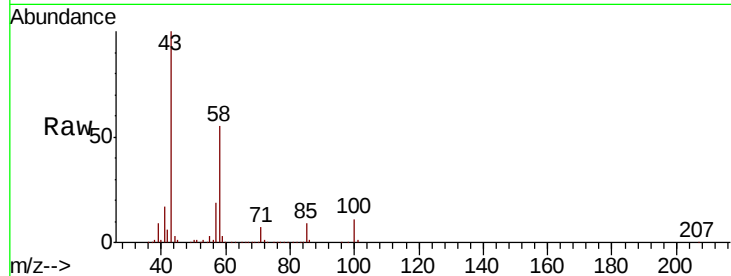




#59
2-Hexanone
Concen: 97.554 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

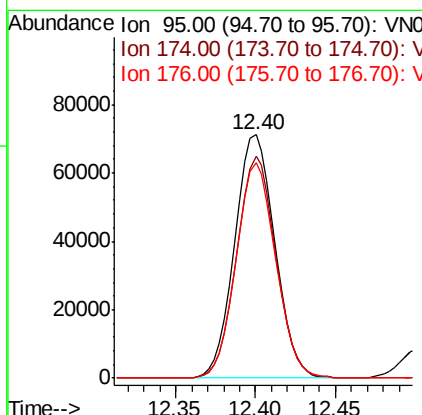
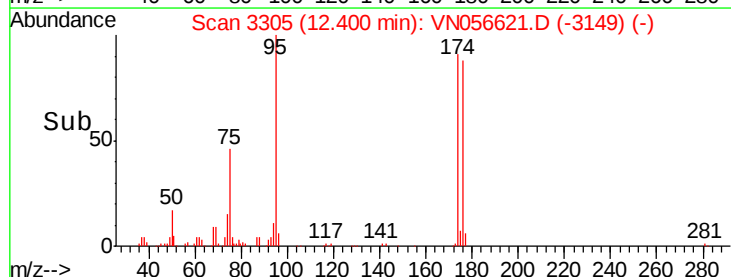
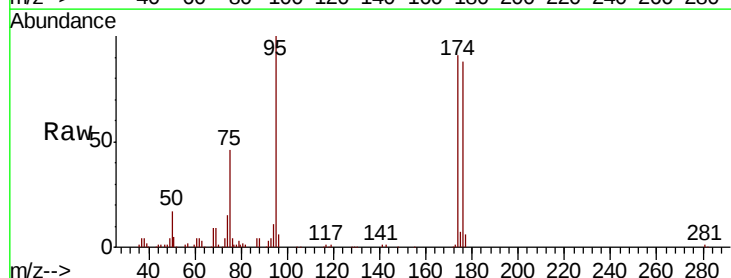
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

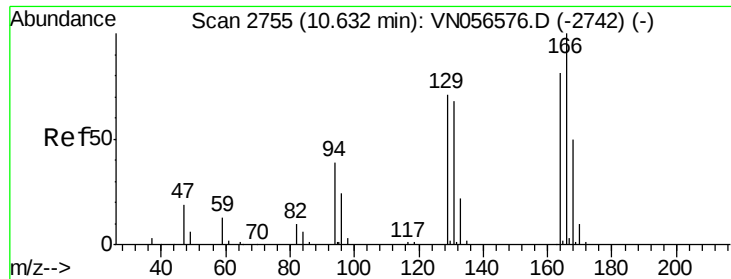
Tgt Ion: 43 Resp: 344878
Ion Ratio Lower Upper
43 100
58 55.3 45.3 67.9
57 19.4 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 29.939 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 95 Resp: 121902
Ion Ratio Lower Upper
95 100
174 88.9 75.4 113.0
176 86.9 73.9 110.9





#61

Tetrachloroethene

Concen: 20.410 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 67881

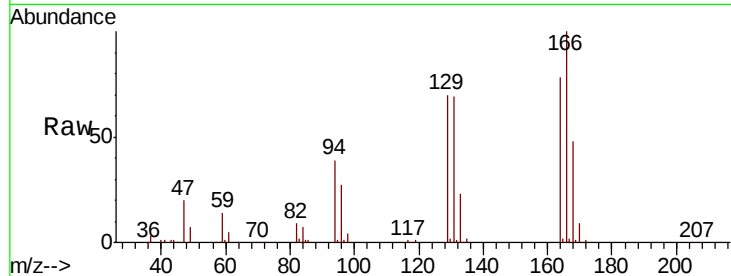
Ion Ratio Lower Upper

164 100

166 127.1 104.3 156.5

129 89.0 71.5 107.3

131 87.8 67.7 101.5

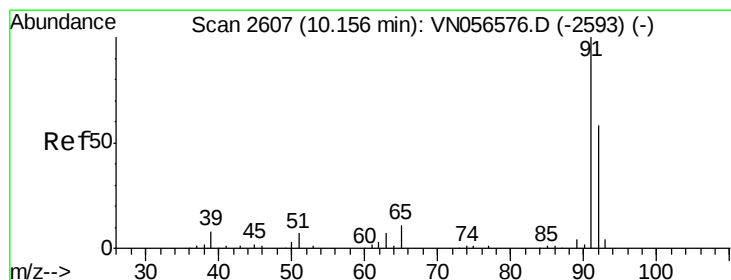
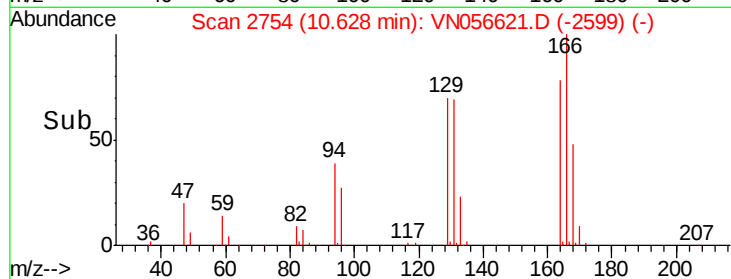
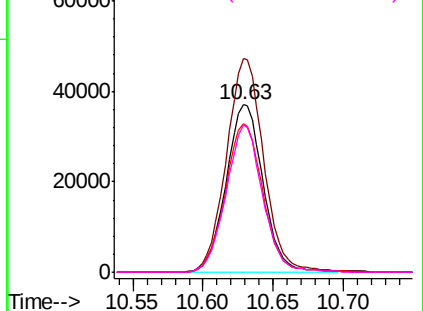


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.519 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056621.D

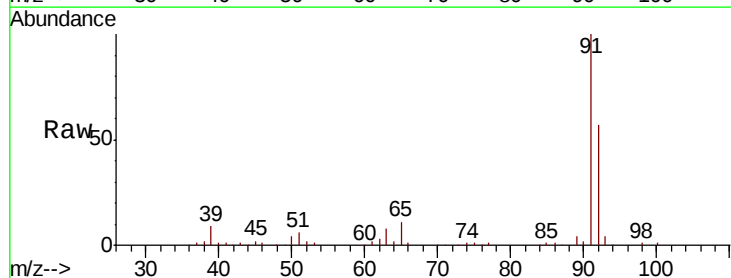
Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 288651

Ion Ratio Lower Upper

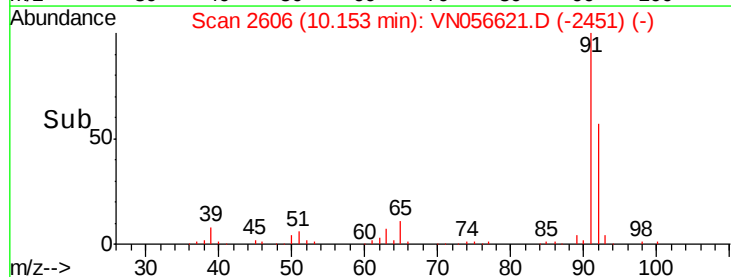
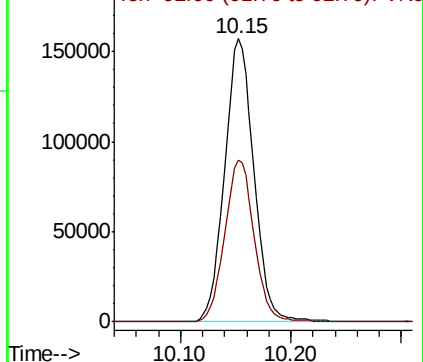
91 100

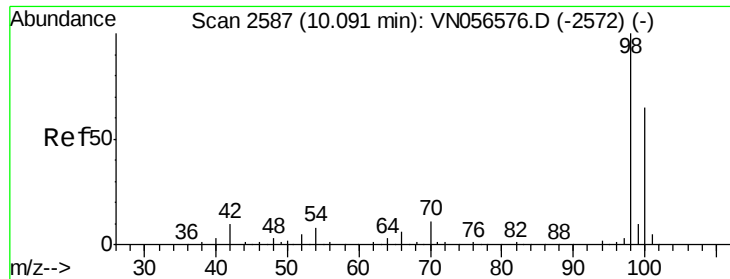
92 57.7 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.220 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

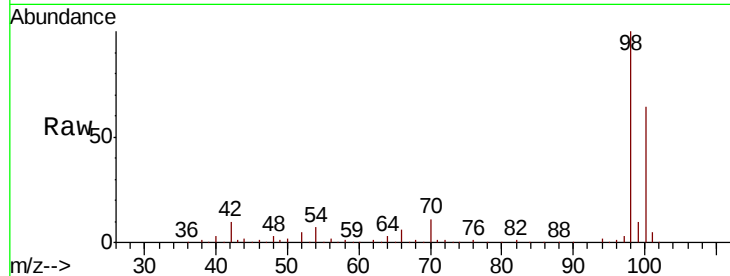
VSTDCCC020

Tgt Ion: 98 Resp: 372101

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056576.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056576.D (-2572) (-)

10.09

200000

150000

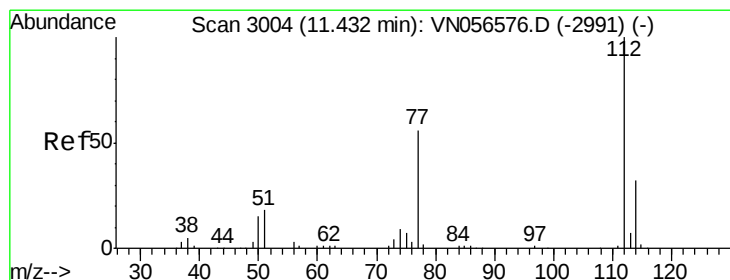
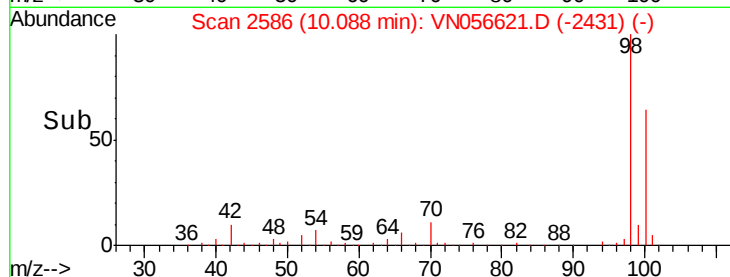
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 19.846 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056621.D

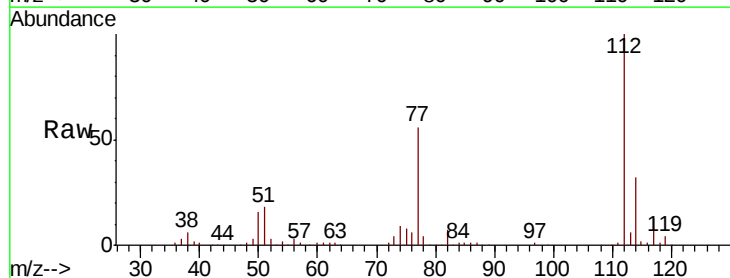
Acq: 9 Jul 2019 10:04

Tgt Ion: 112 Resp: 176819

Ion Ratio Lower Upper

112 100

114 31.8 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056576.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056576.D (-2991) (-)

11.43

120000

100000

80000

60000

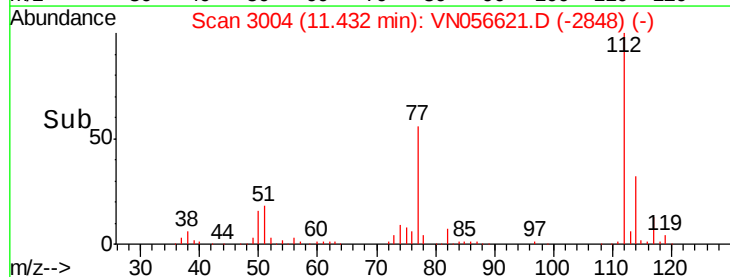
40000

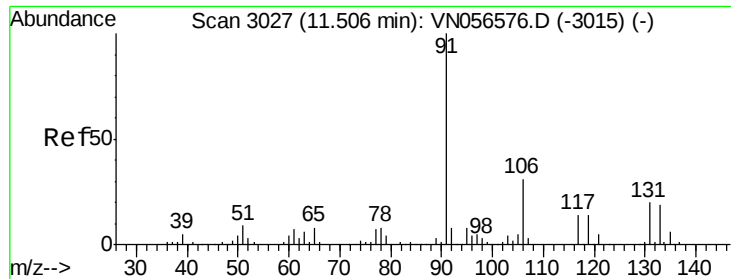
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.789 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

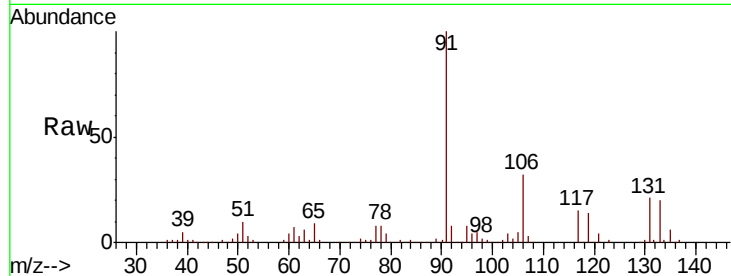
Tgt Ion: 131 Resp: 63497

Ion Ratio Lower Upper

131 100

133 97.0 0.0 193.8

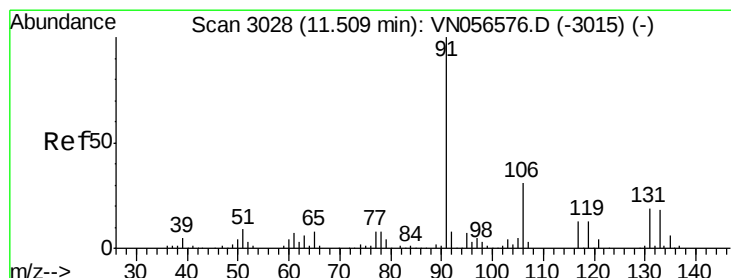
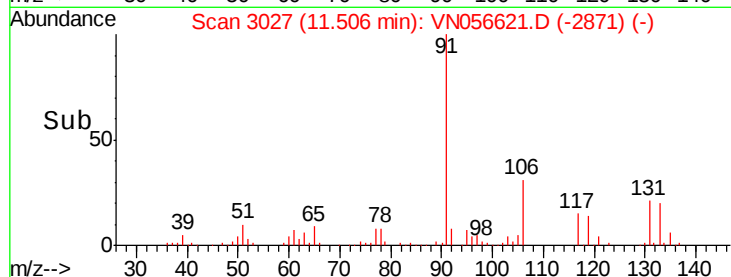
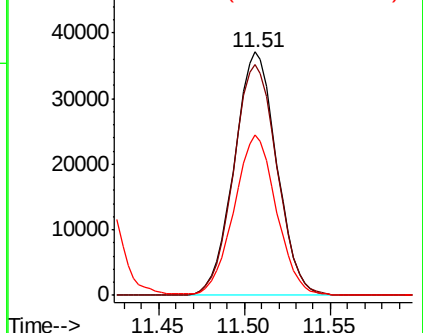
119 65.6 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.185 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056621.D

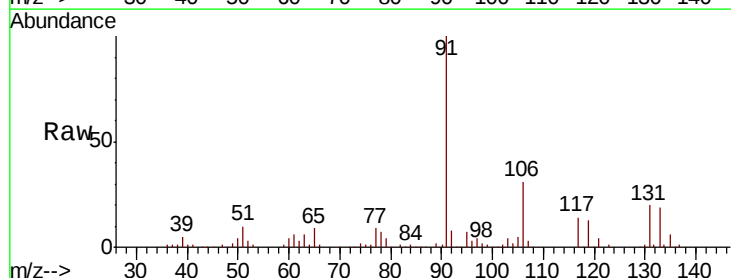
Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 307620

Ion Ratio Lower Upper

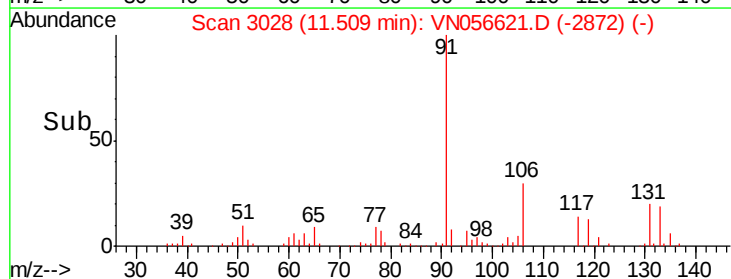
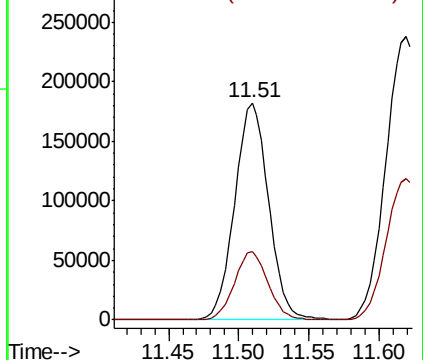
91 100

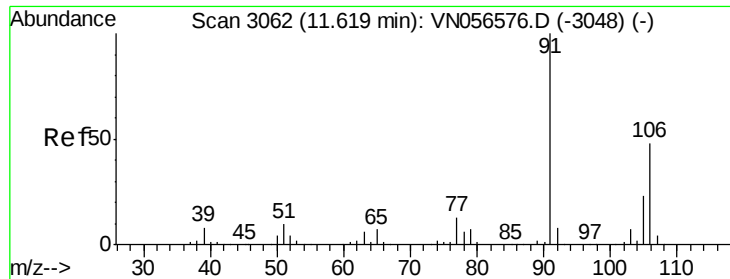
106 31.2 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

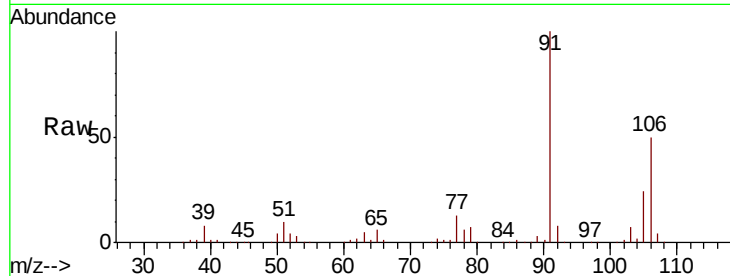




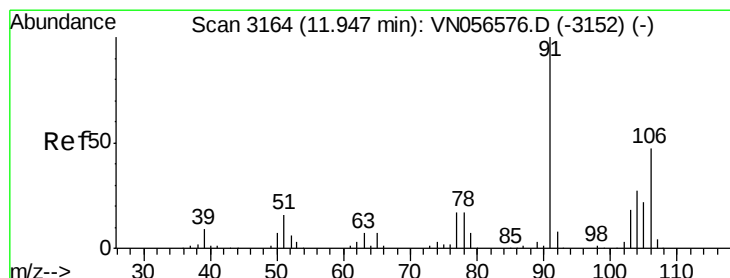
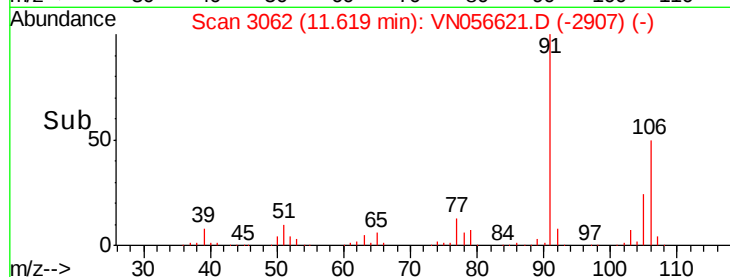
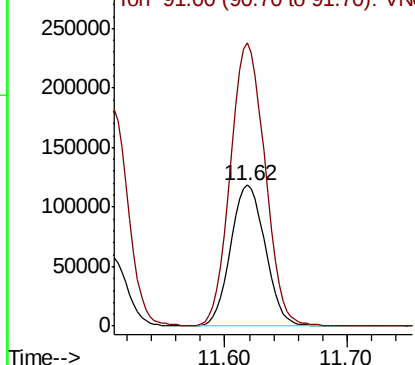
#67
m/p-Xylenes
Concen: 39.477 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 233605
Ion Ratio Lower Upper
106 100
91 200.6 155.7 233.5

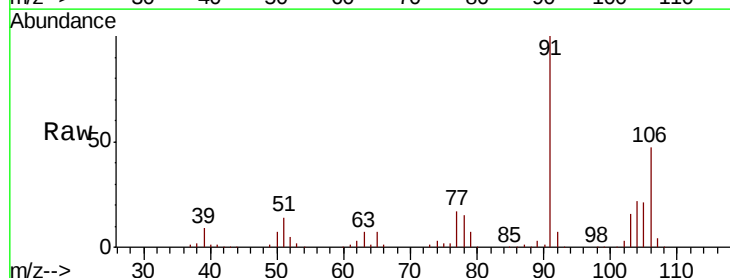


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

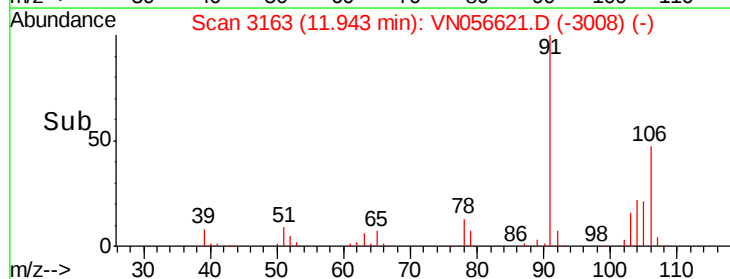
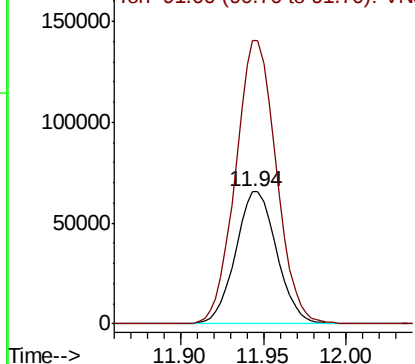


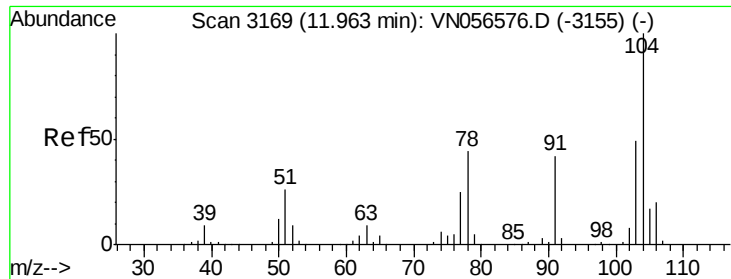
#68
o-Xylene
Concen: 19.324 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:106 Resp: 113086
Ion Ratio Lower Upper
106 100
91 212.0 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

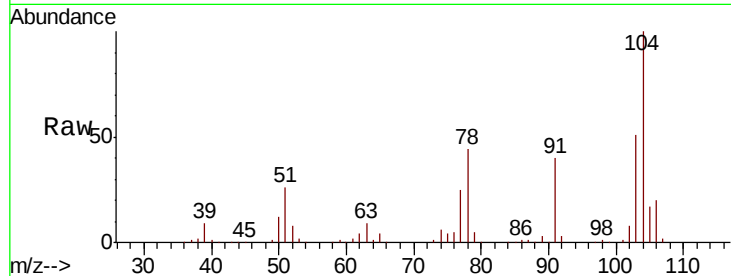




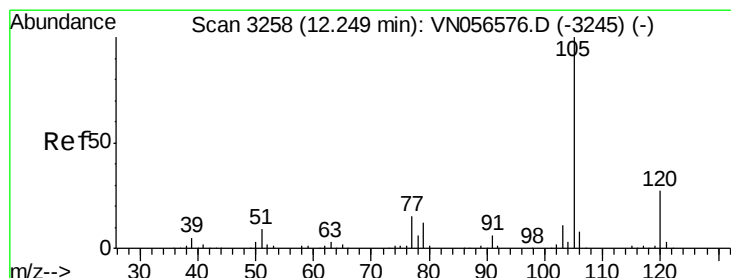
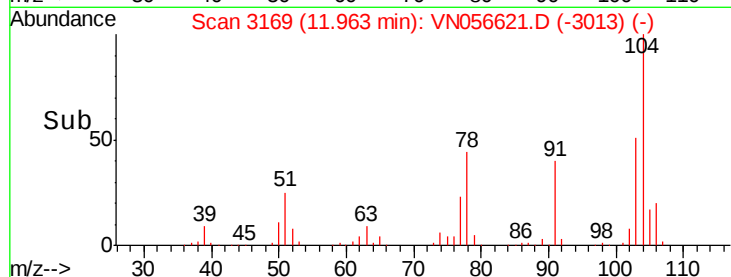
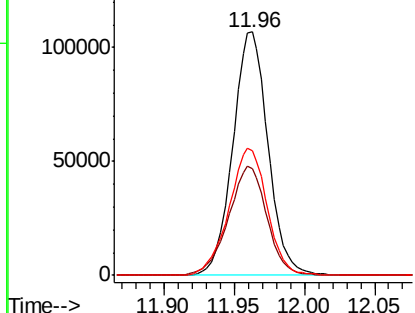
#69
Styrene
Concen: 19.185 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tgt Ion:104 Resp: 186795
Ion Ratio Lower Upper
104 100
78 48.6 37.0 55.6
103 56.4 44.4 66.6

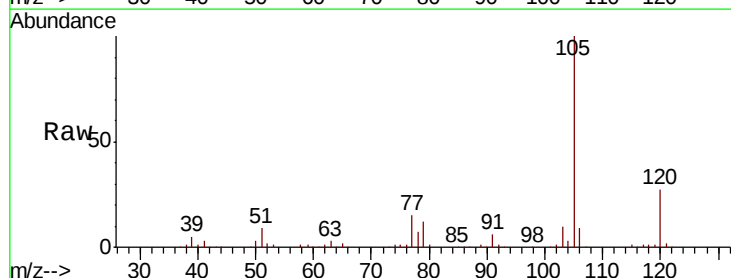


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

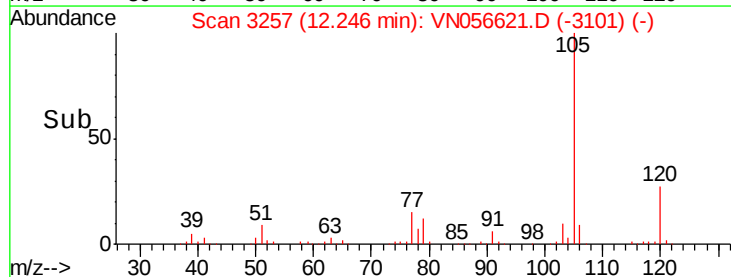
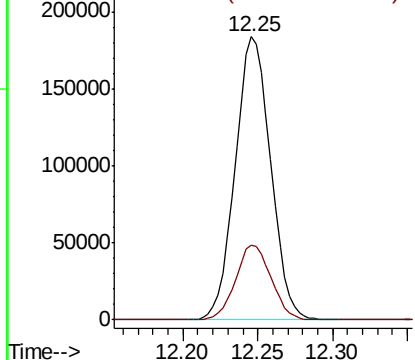


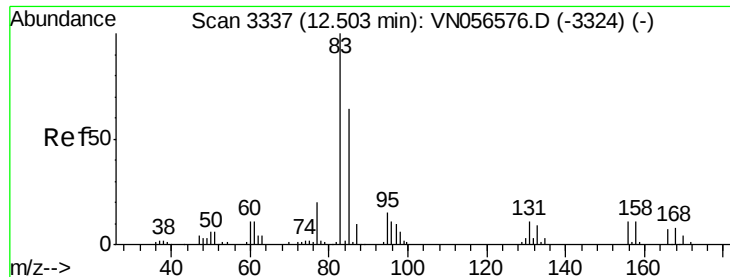
#70
Isopropylbenzene
Concen: 19.811 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:105 Resp: 302499
Ion Ratio Lower Upper
105 100
120 26.5 19.3 35.8



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





#71

1,1,2,2-Tetrachloroethane

Concen: 18.956 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

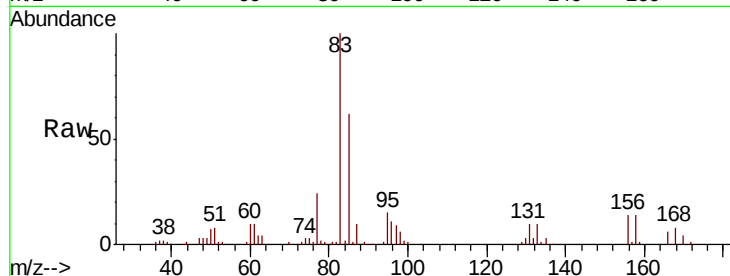
Tgt Ion: 83 Resp: 95689

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

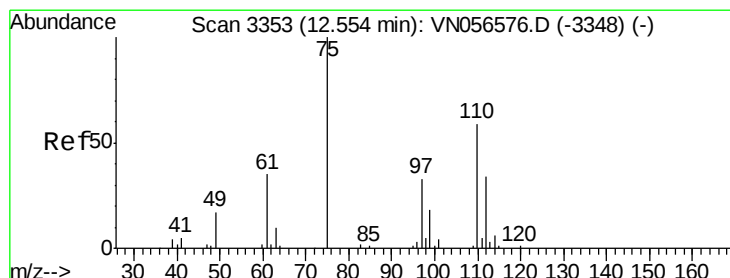
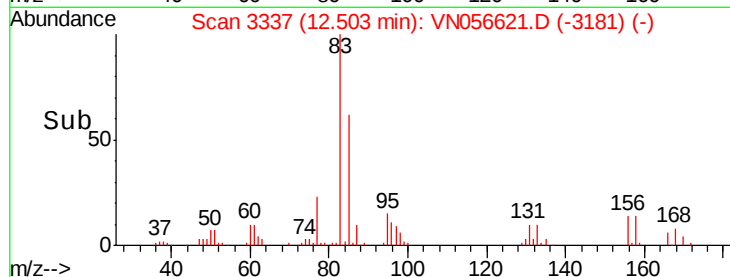
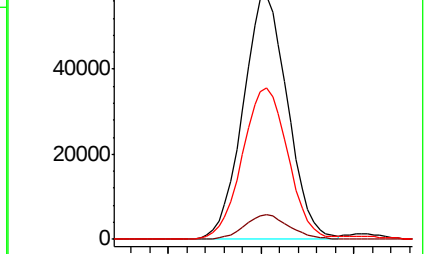
85 63.4 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN056576.D (-3324) (-)

Ion 131.00 (130.70 to 131.70): VN056576.D (-3324) (-)

Ion 85.00 (84.70 to 85.70): VN056576.D (-3324) (-)



#72

1,2,3-Trichloropropane

Concen: 26.670 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056621.D

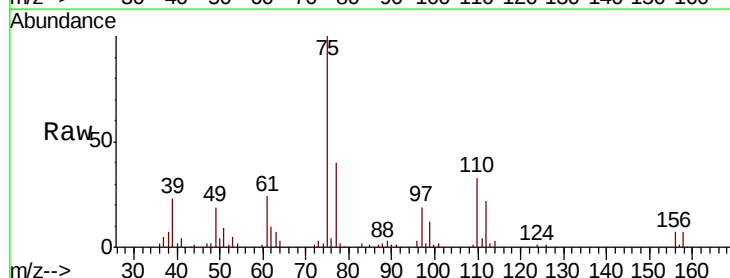
Acq: 9 Jul 2019 10:04

Tgt Ion: 75 Resp: 113215

Ion Ratio Lower Upper

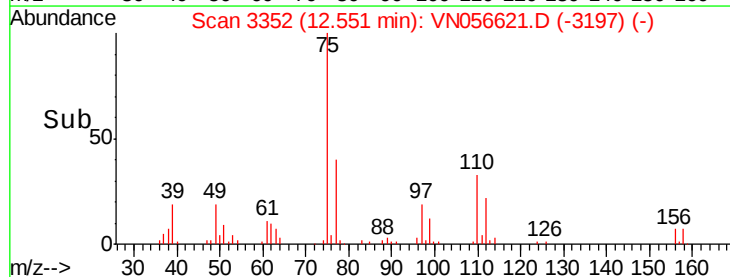
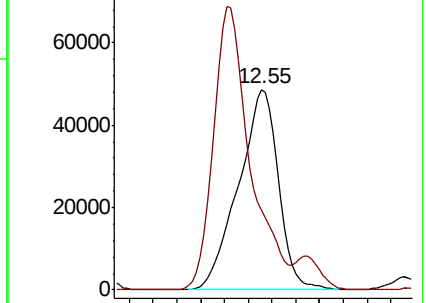
75 100

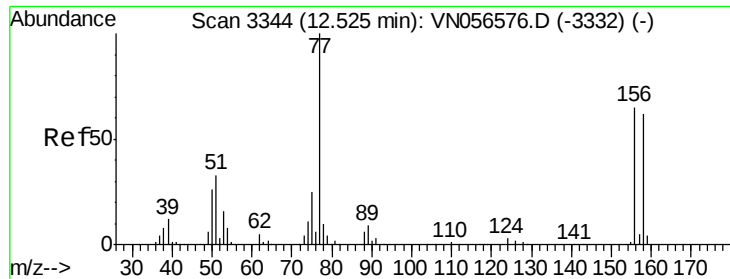
77 129.3 0.0 350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056576.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN056576.D (-3348) (-)





#73

Bromobenzene

Concen: 19.264 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

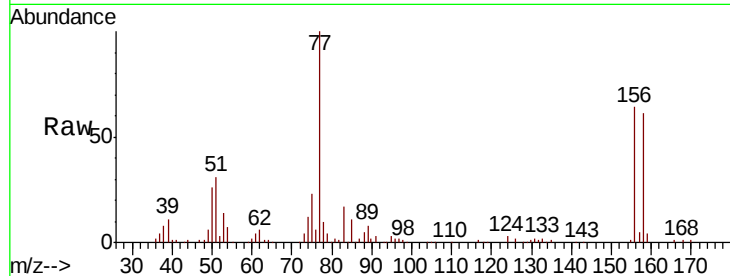
Tgt Ion:156 Resp: 75861

Ion Ratio Lower Upper

156 100

77 193.0 0.0 350.8

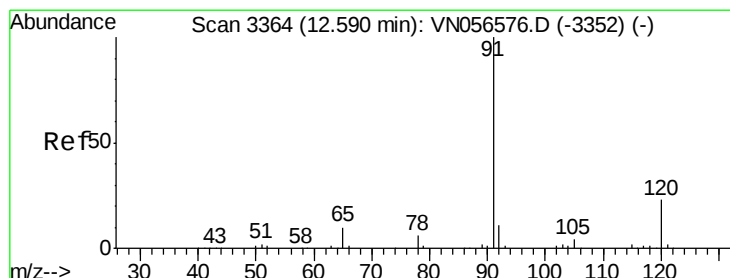
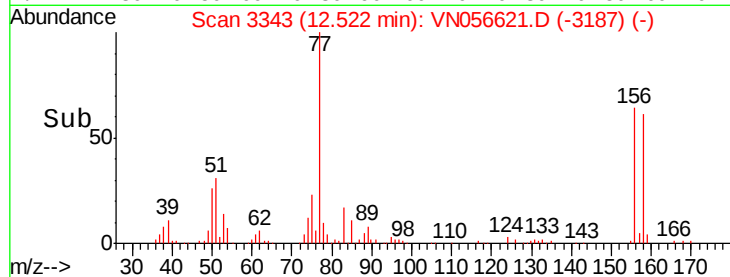
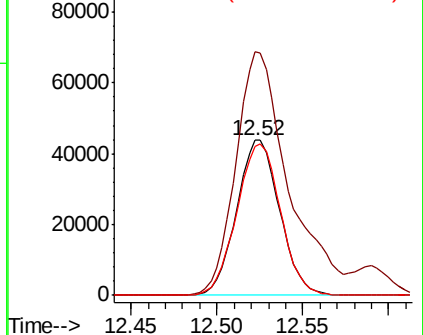
158 99.5 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.541 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056621.D

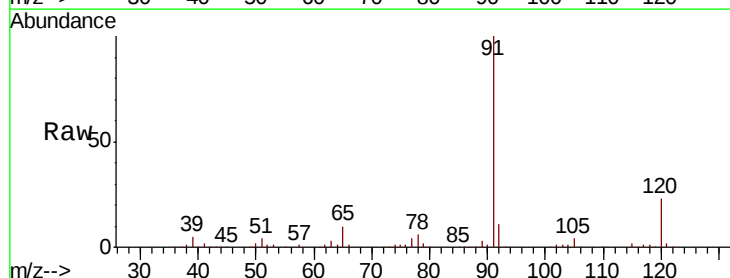
Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 338502

Ion Ratio Lower Upper

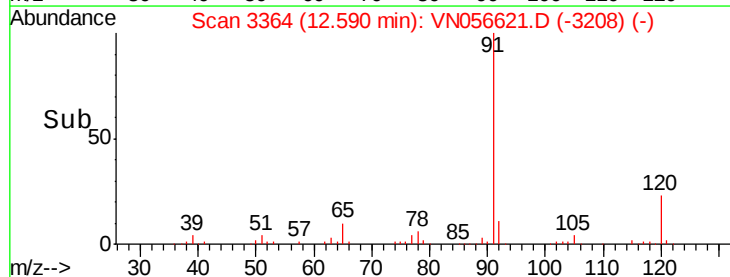
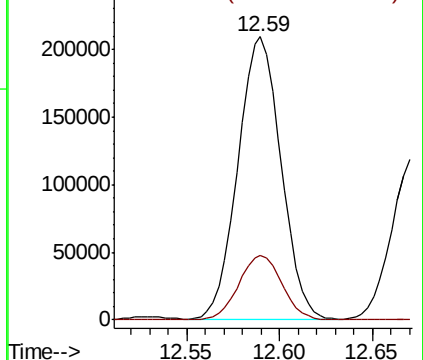
91 100

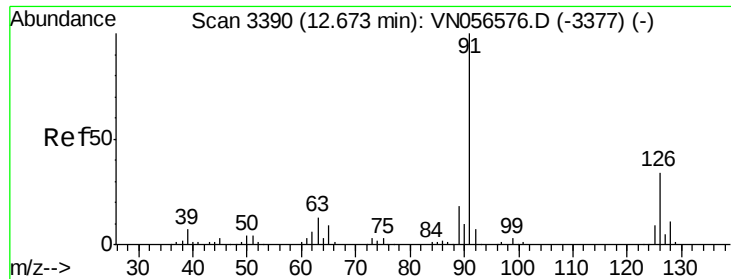
120 22.8 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.627 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

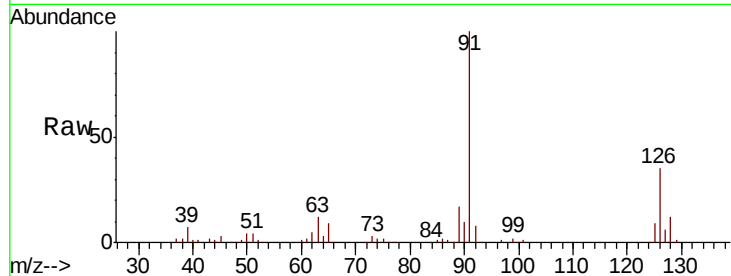
VSTDCCC020

Tgt Ion: 91 Resp: 203310

Ion Ratio Lower Upper

91 100

126 34.5 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056576.D (-3377) (-)

200000

150000

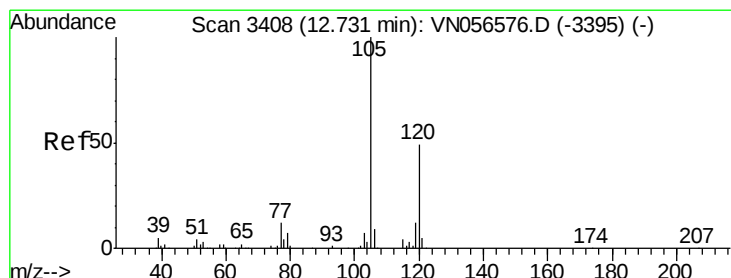
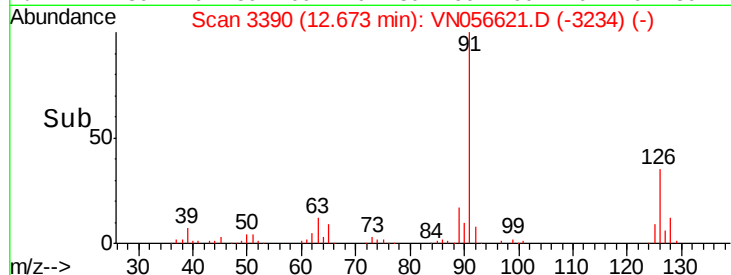
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.767 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056621.D

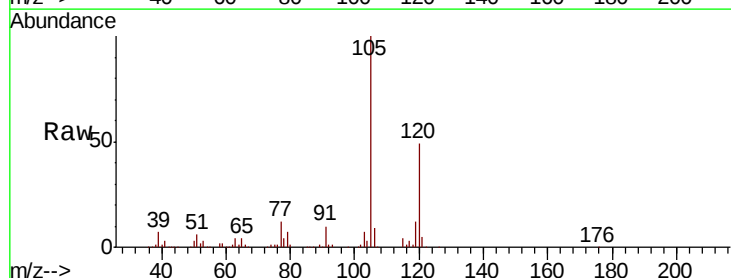
Acq: 9 Jul 2019 10:04

Tgt Ion: 105 Resp: 255580

Ion Ratio Lower Upper

105 100

120 49.0 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN056576.D (-3395) (-)

150000

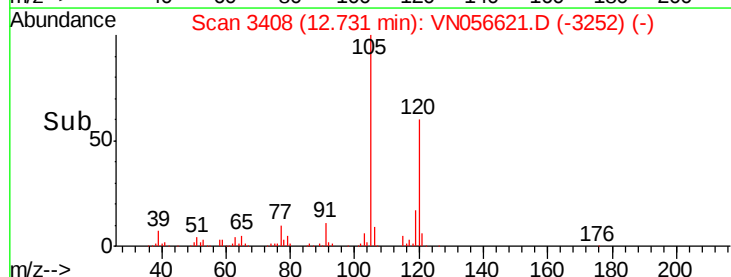
100000

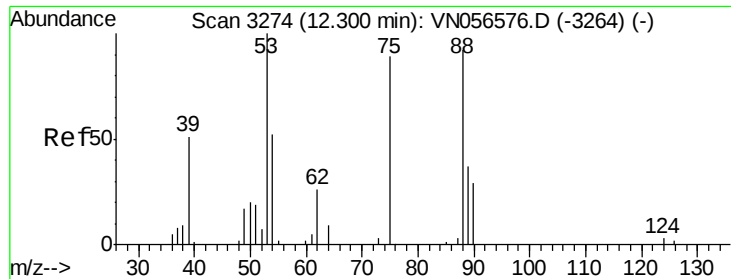
50000

0

12.65 12.70 12.75 12.80

Time-->

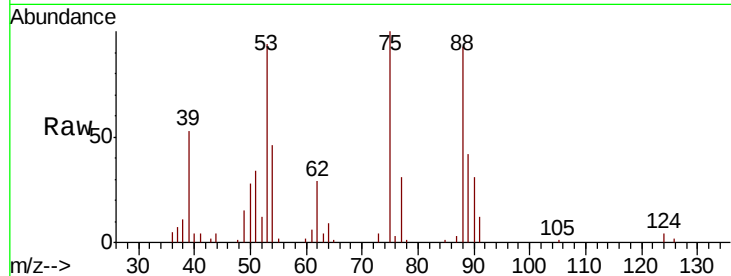




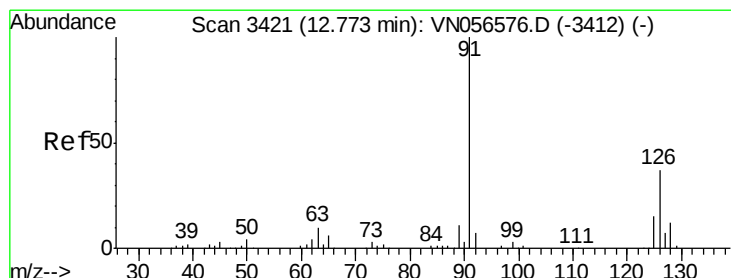
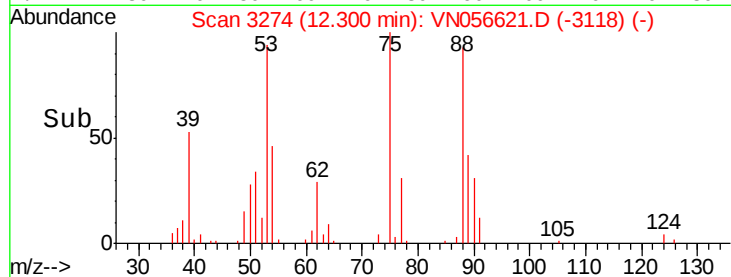
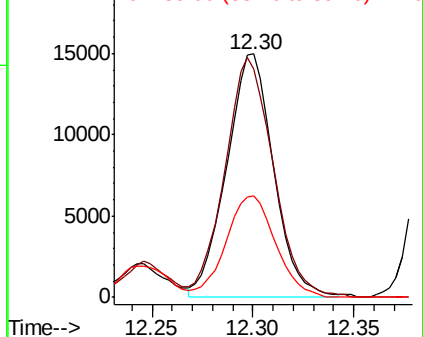
#77
t-1,4-Dichloro-2-butene
Concen: 17.983 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 75 Resp: 24452
Ion Ratio Lower Upper
75 100
53 93.3 48.0 144.0
89 42.0 22.5 67.5

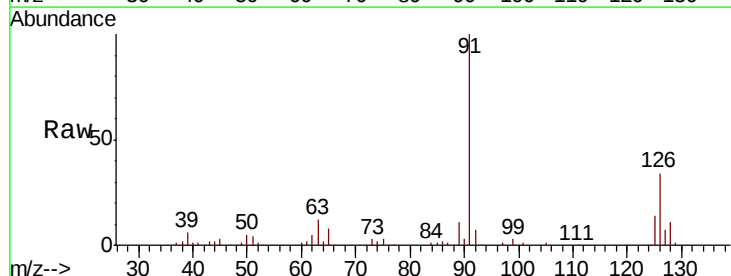


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

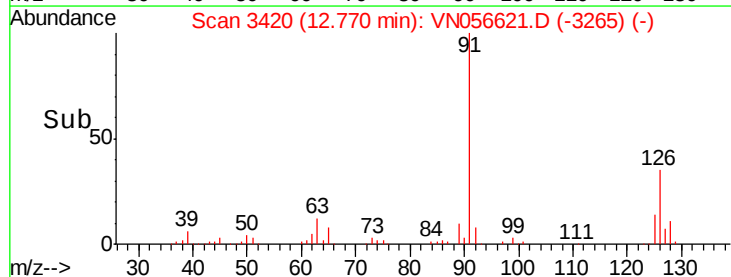
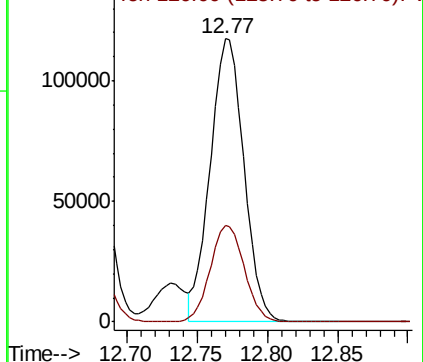


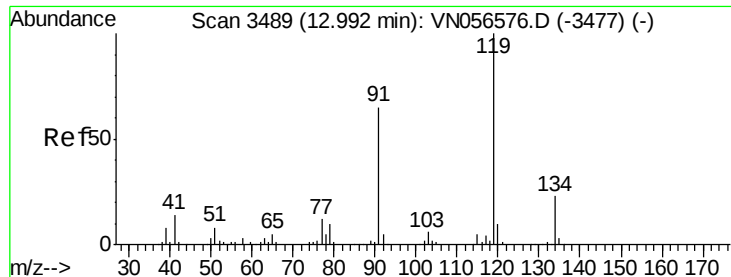
#78
4-Chlorotoluene
Concen: 19.390 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion: 91 Resp: 195340
Ion Ratio Lower Upper
91 100
126 34.4 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V

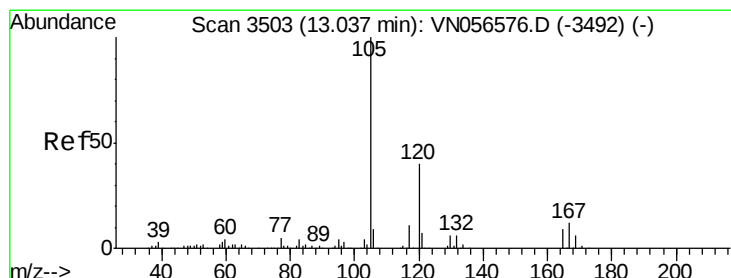
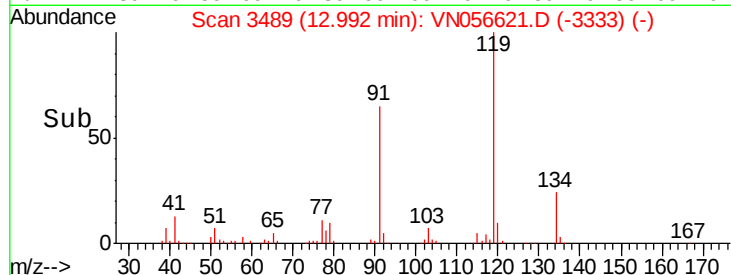
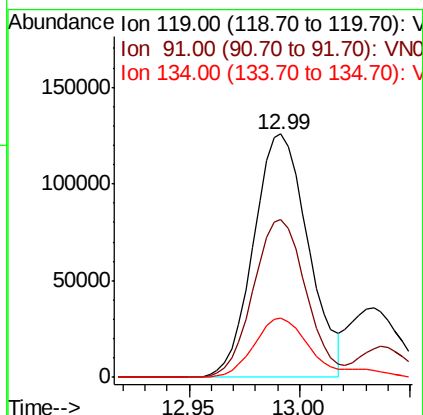
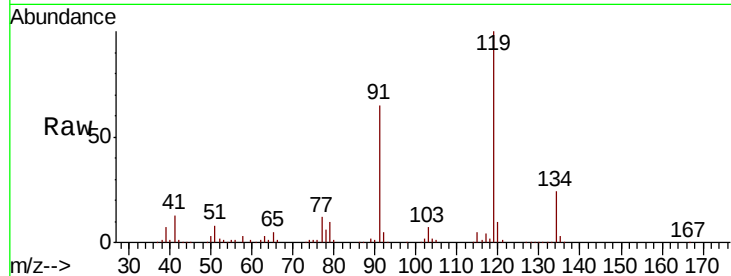




#79
tert-butylbenzene
Concen: 19.545 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

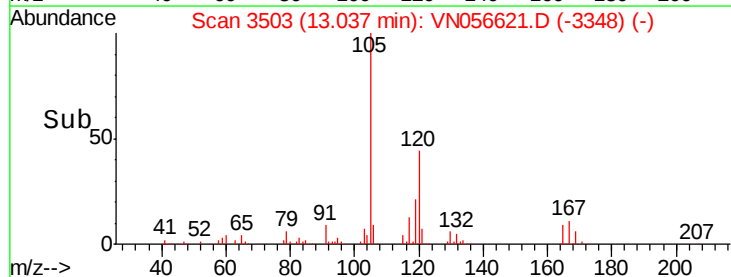
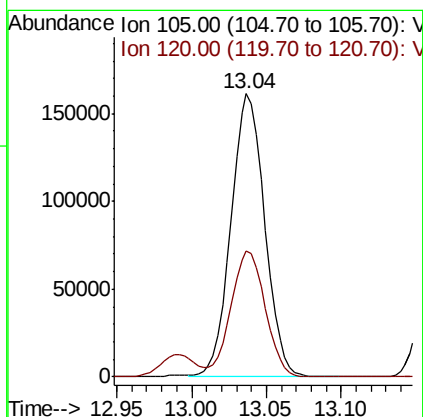
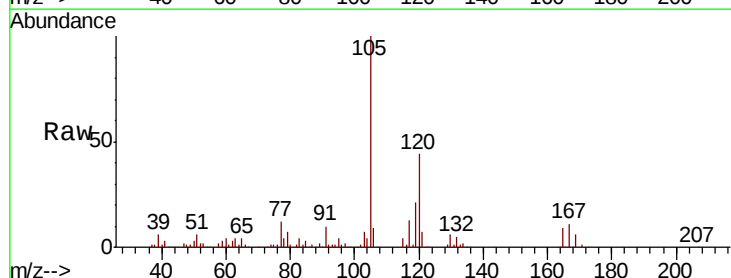
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

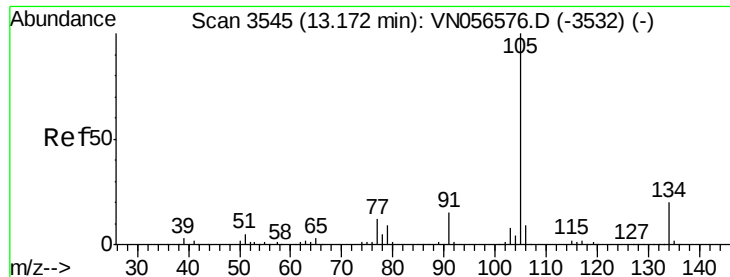
Tgt Ion:119 Resp: 215916
Ion Ratio Lower Upper
119 100
91 62.8 0.0 122.8
134 24.0 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 19.777 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:105 Resp: 252557
Ion Ratio Lower Upper
105 100
120 45.5 0.0 93.4

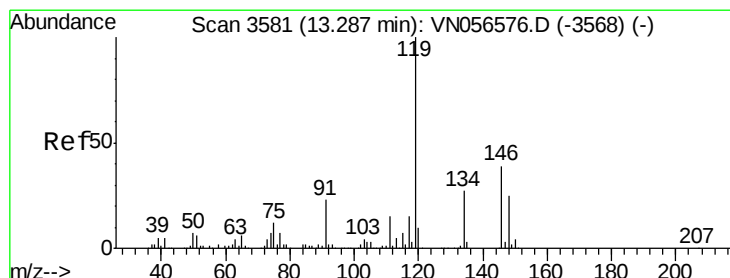
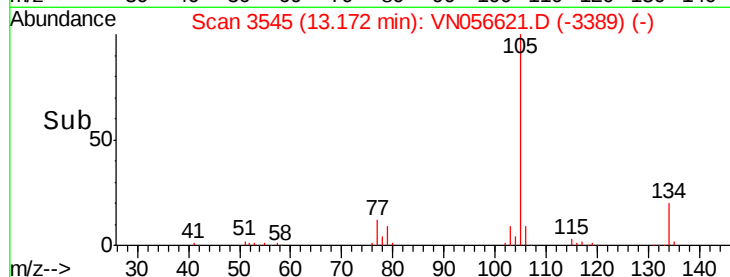
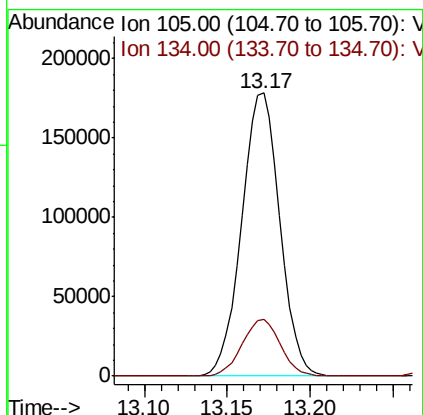
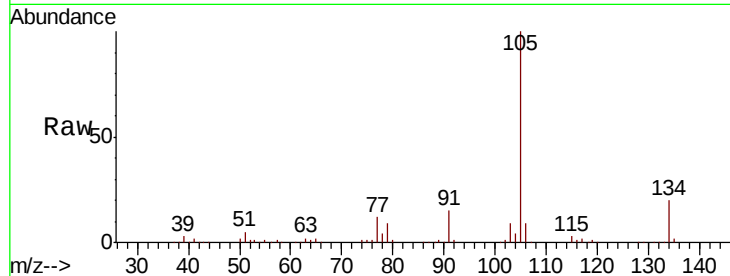




#81
 sec-Butylbenzene
 Concen: 19.460 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

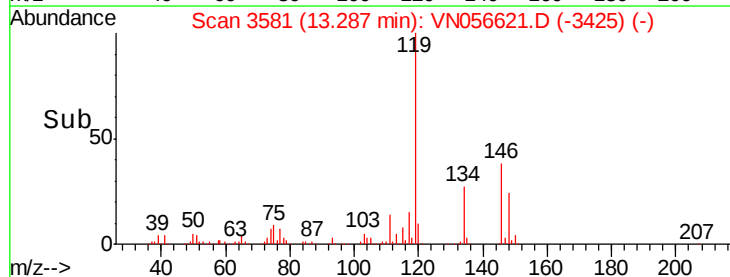
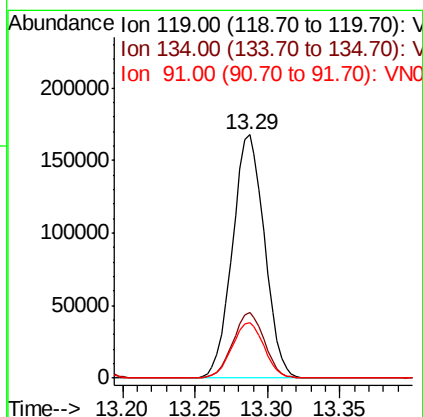
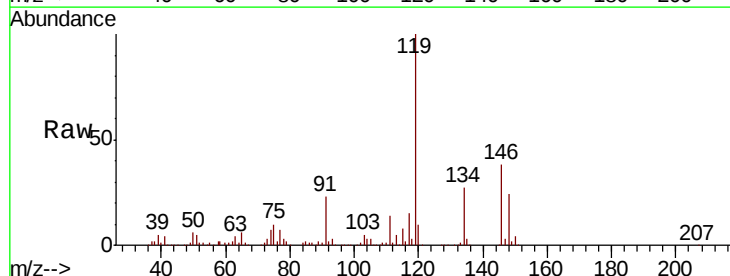
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

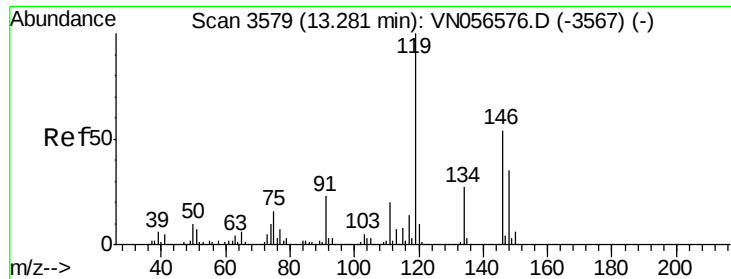
Tgt Ion:105 Resp: 285075
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 19.572 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion:119 Resp: 257779
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.4
 91 22.9 0.0 43.0

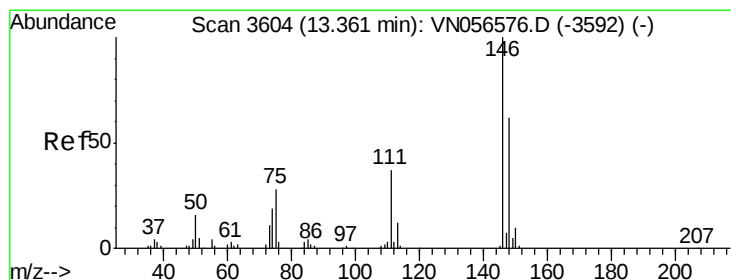
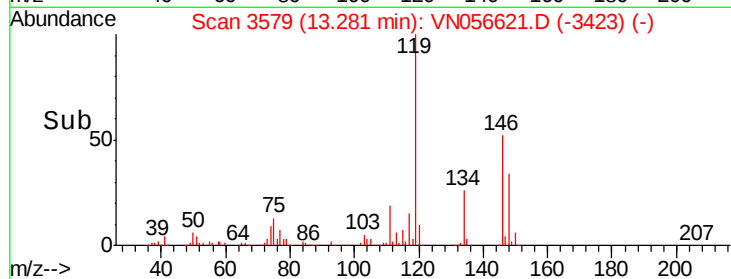
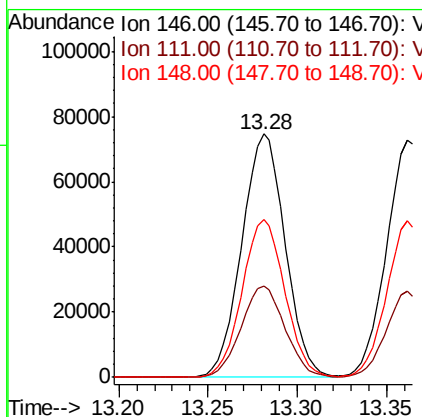
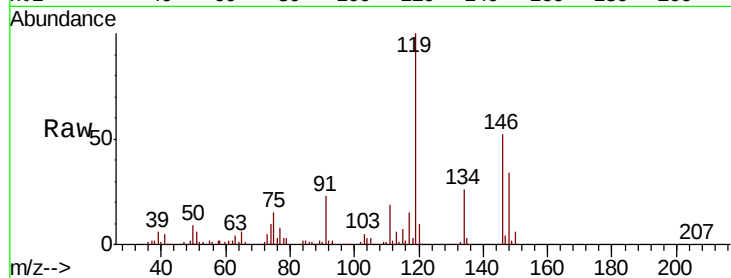




#83
 1,3-Dichlorobenzene
 Concen: 19.410 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

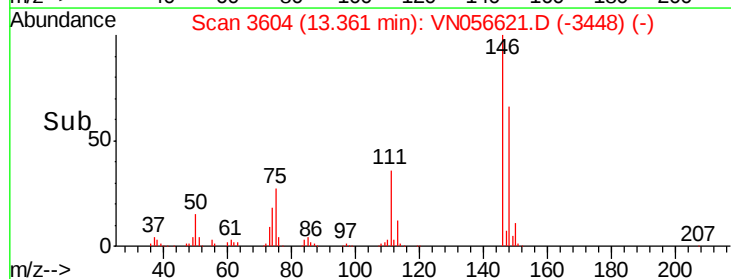
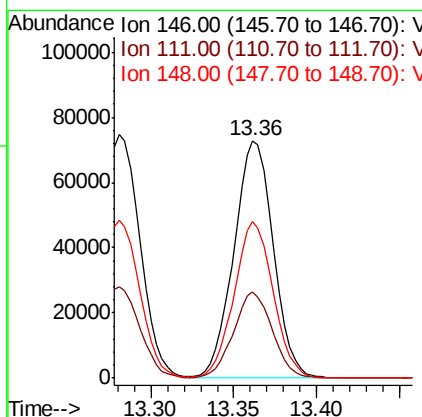
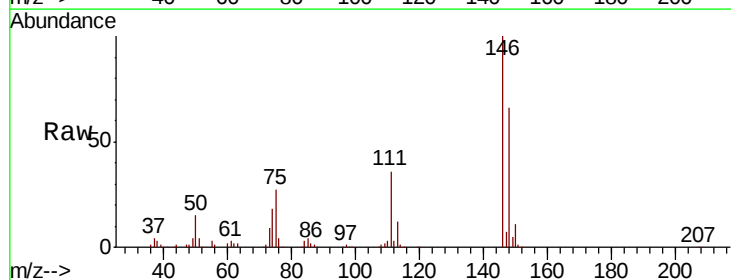
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

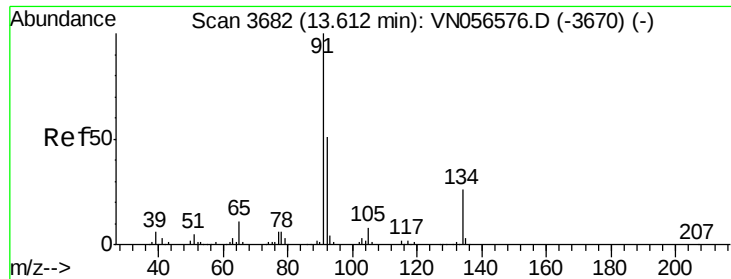
Tgt Ion:146 Resp: 126935
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.2 54.6
 148 64.0 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.019 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056621.D
 Acq: 9 Jul 2019 10:04

Tgt Ion:146 Resp: 119979
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.6 52.9
 148 65.5 32.1 96.3





#85

n-Butylbenzene

Concen: 18.845 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

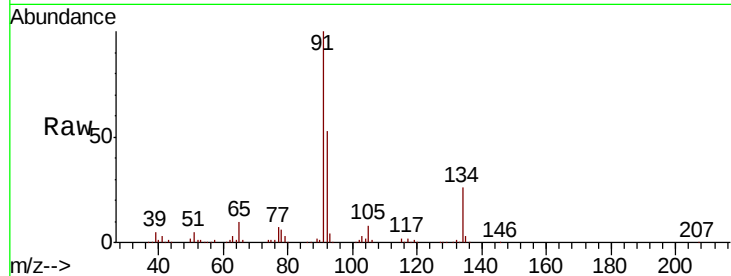
Tgt Ion: 91 Resp: 208581

Ion Ratio Lower Upper

91 100

92 52.5 0.0 107.2

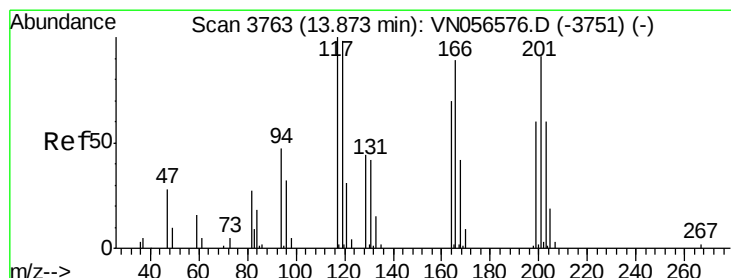
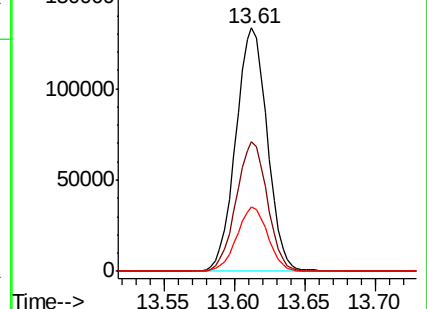
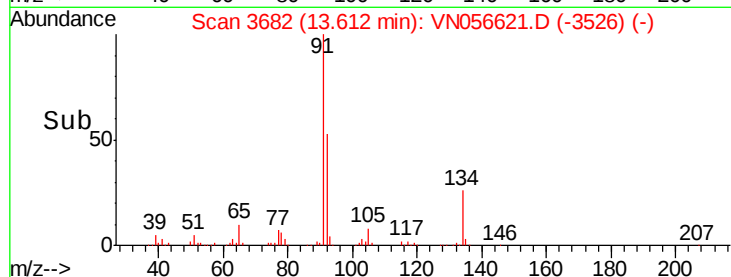
134 26.0 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056576.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056576.D (-3670) (-)



#86

Hexachloroethane

Concen: 19.239 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056621.D

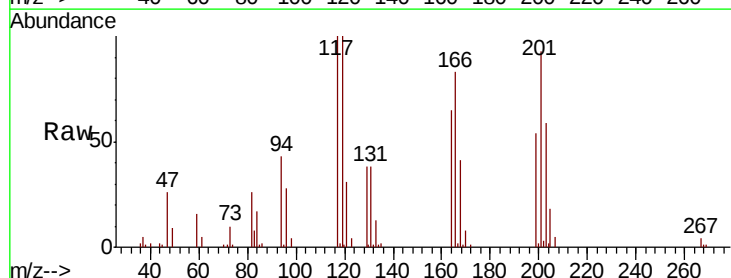
Acq: 9 Jul 2019 10:04

Tgt Ion: 117 Resp: 38207

Ion Ratio Lower Upper

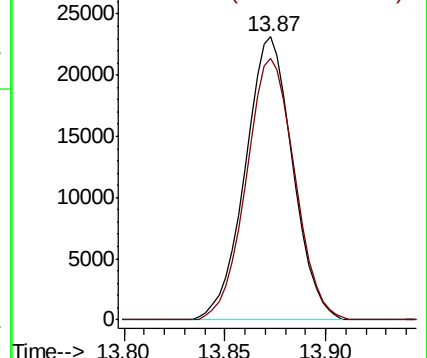
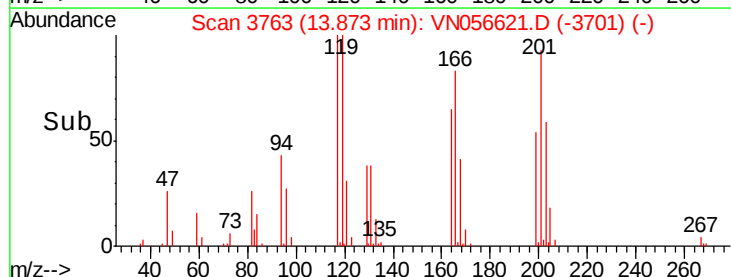
117 100

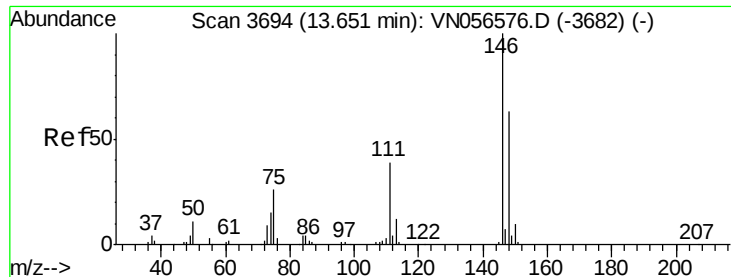
201 94.2 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056576.D (-3751) (-)





#87

1,2-Dichlorobenzene

Concen: 19.226 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

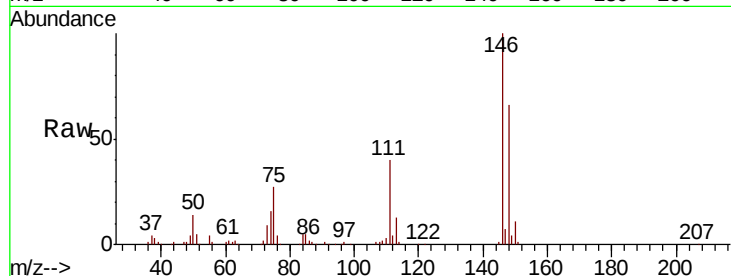
Tgt Ion:146 Resp: 127678

Ion Ratio Lower Upper

146 100

111 39.3 19.3 57.9

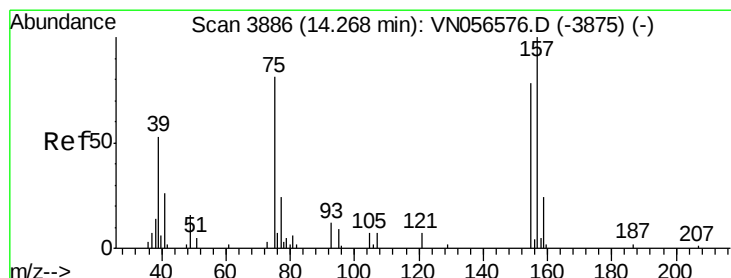
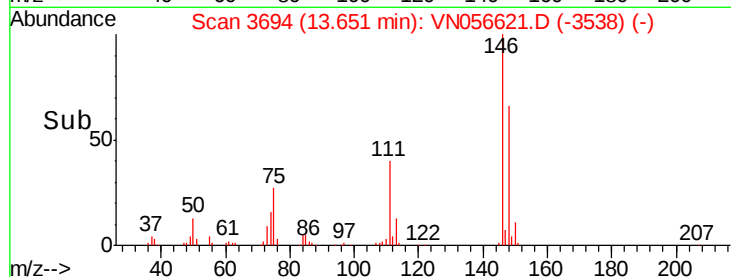
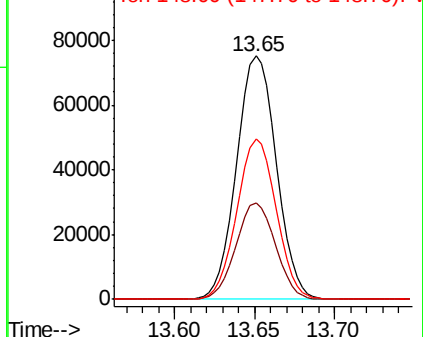
148 65.1 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.209 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056621.D

Acq: 9 Jul 2019 10:04

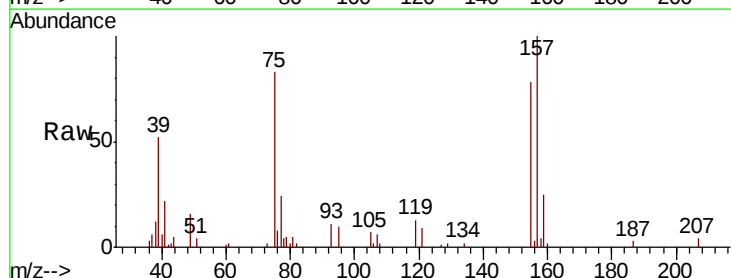
Tgt Ion: 75 Resp: 15566

Ion Ratio Lower Upper

75 100

155 96.7 82.5 123.7

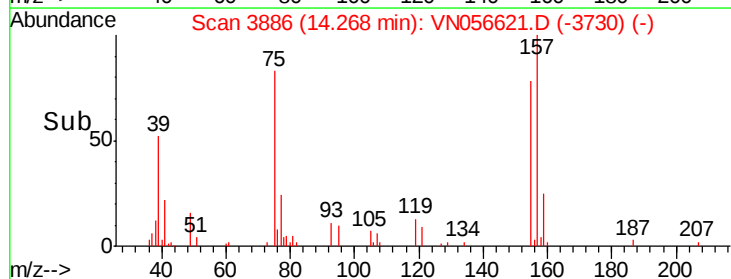
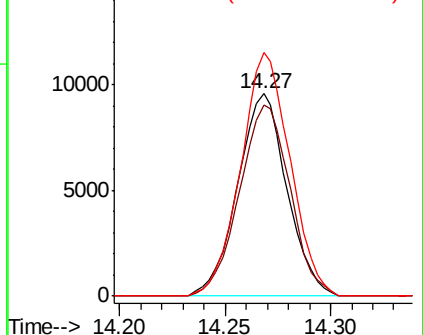
157 120.5 105.1 157.7

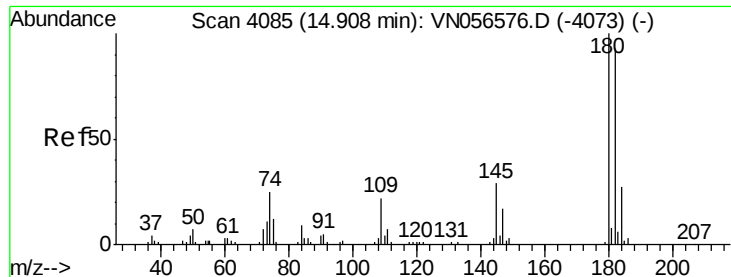


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

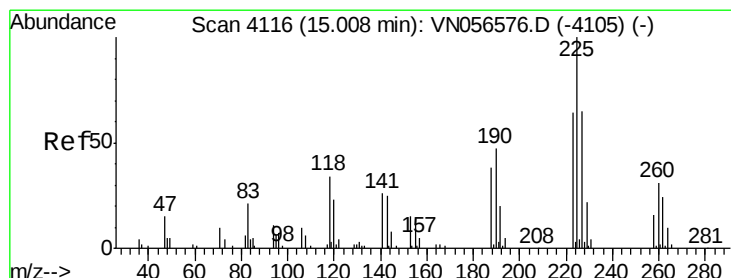
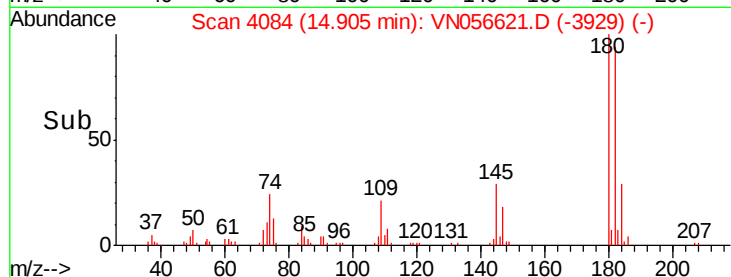
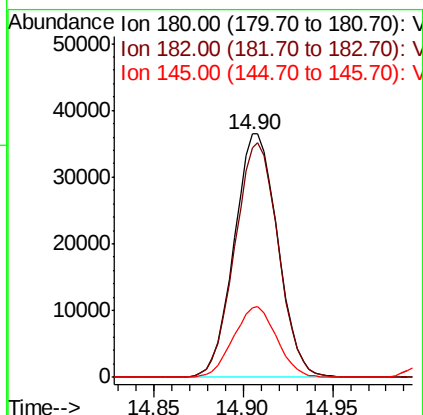
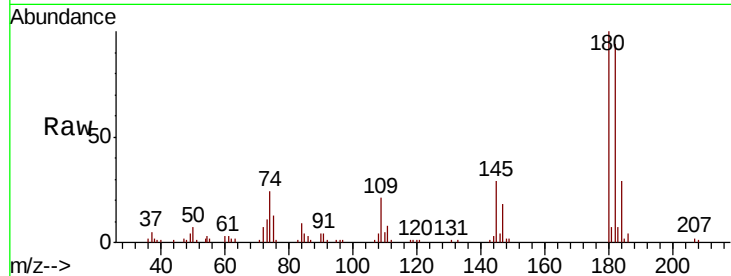




#89
1,2,4-Trichlorobenzene
Concen: 16.852 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

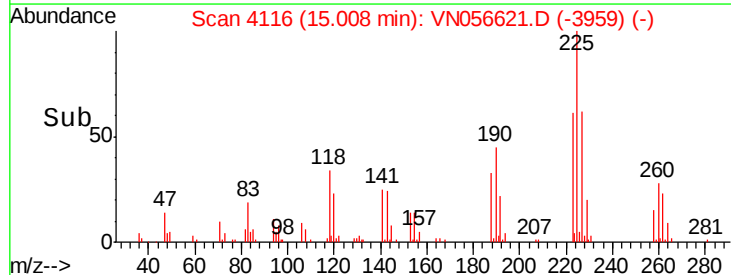
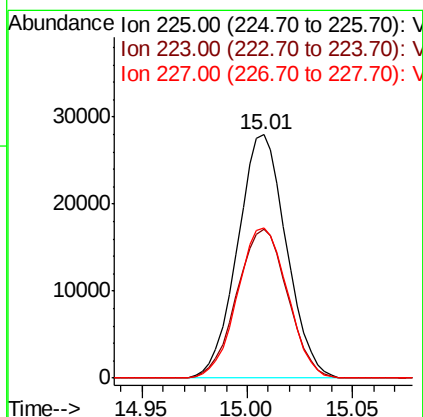
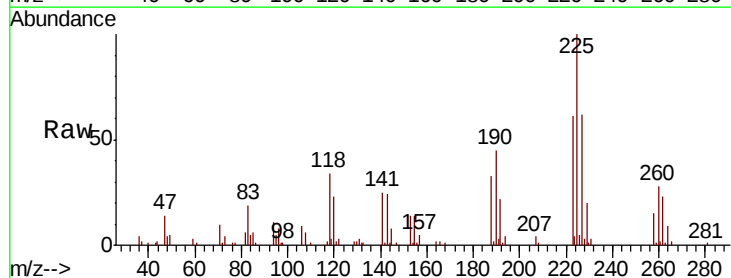
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

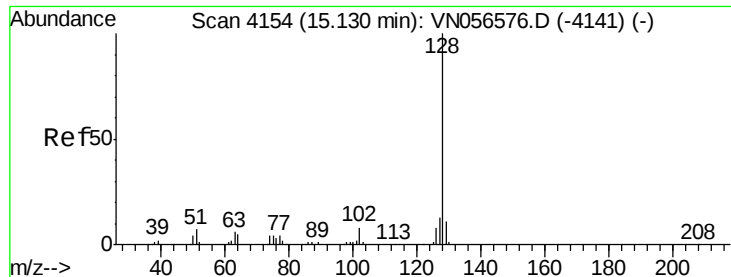
Tgt Ion:180 Resp: 61858
Ion Ratio Lower Upper
180 100
182 96.3 75.0 112.6
145 28.8 22.1 33.1



#90
Hexachlorobutadiene
Concen: 19.698 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:225 Resp: 44923
Ion Ratio Lower Upper
225 100
223 63.7 0.0 125.6
227 63.1 0.0 128.6

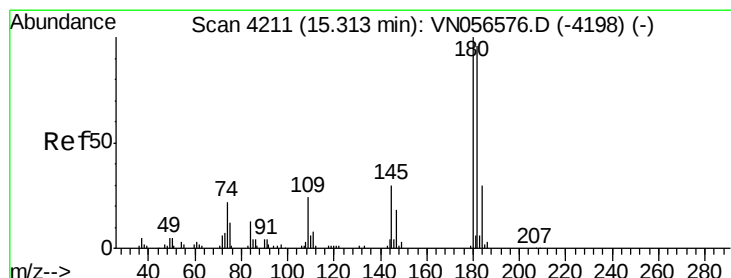
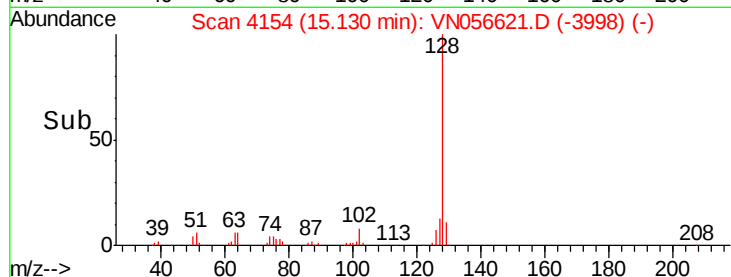
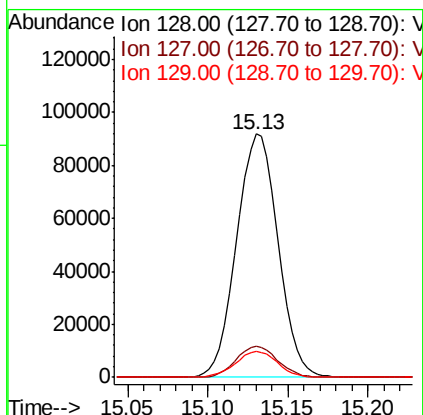
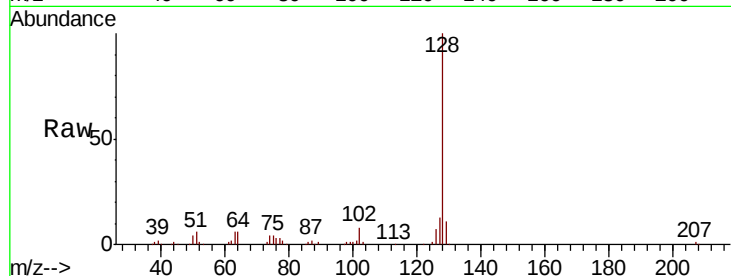




#91
Naphthalene
Concen: 15.777 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:128 Resp: 162514
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 17.220 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056621.D
Acq: 9 Jul 2019 10:04

Tgt Ion:180 Resp: 66354
Ion Ratio Lower Upper
180 100
182 96.4 0.0 193.4
145 30.4 0.0 59.8

