

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057542.D
 Acq On : 27 Aug 2019 9:13
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 03 03:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67695	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	395858	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	338005	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	196826	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	158585	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	513664	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	71387	20.158	ug/l 96
3) Chloromethane	2.05	50	106002	19.932	ug/l 96
4) Vinyl Chloride	2.17	62	137176	20.304	ug/l 100
5) Bromomethane	2.55	94	87623	20.048	ug/l 98
6) Chloroethane	2.69	64	90476	19.993	ug/l 93
7) Trichlorofluoromethane	3.00	101	210339	19.574	ug/l 94
8) Diethyl Ether	3.39	74	79997	19.378	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121226	20.030	ug/l 97
10) 1,1-Dichloroethene	3.71	96	113552	19.434	ug/l 96
11) Methyl Iodide	3.92	142	89217	16.986	ug/l 98
12) Methyl Acetate	4.30	43	106308	18.061	ug/l 92
13) Acrolein	3.58	56	68360	91.319	ug/l 98
14) Acrylonitrile	4.96	53	197647	96.656	ug/l 98
15) Acetone	3.80	58	112950	118.077	ug/l 90
16) Carbon Disulfide	4.02	76	197989	19.023	ug/l 98
17) Allyl chloride	4.29	41	150506	18.881	ug/l 95
18) Methylene Chloride	4.52	84	86648	20.221	ug/l 97
19) trans-1,2-Dichloroethene	5.00	96	40668	10.078	ug/l 95
20) Diisopropyl ether	5.93	45	335506	19.715	ug/l 98
21) 1,1-Dichloroethane	5.82	63	179341	20.280	ug/l 97
22) cis-1,2-Dichloroethene	6.81	96	100998	20.578	ug/l 99
23) tert-Butyl Alcohol	4.78	59	66808	89.942	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	269937	19.996	ug/l # 50
25) Chloroform	7.36	83	178189	20.296	ug/l 98
26) Cyclohexane	7.63	56	155695	19.772	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	130638	19.418	ug/l 98
30) 2-Butanone	6.82	43	318676	98.522	ug/l 98
31) 2,2-Dichloropropane	6.80	77	153323	19.946	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	149574	19.448	ug/l 97
33) Carbon Tetrachloride	7.75	117	120452	18.861	ug/l 95
34) Benzene	8.03	78	388817	19.653	ug/l 99
35) Methacrylonitrile	7.16	41	52439	16.019	ug/l 98
36) 1,2-Dichloroethane	8.11	62	153168	19.750	ug/l # 89
37) Trichloroethene	8.82	130	90034	19.947	ug/l 99
38) Methylcyclohexane	9.07	83	147258	19.501	ug/l 98
39) 1,2-Dichloropropane	9.11	63	108683	19.320	ug/l 100
40) Dibromomethane	9.20	93	68013	19.783	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	131420	18.024	ug/l	96
42) Vinyl Acetate	5.87	43	1324921	91.531	ug/l	100
43) Ethyl Acetate	6.92	43	122330	19.429	ug/l	98
44) Isopropyl Acetate	8.15	43	213761	17.785	ug/l #	92
45) 1,4-Dioxane	9.20	88	25331	350.636	ug/l	97
46) Methyl methacrylate	9.19	41	102506	17.959	ug/l	95
47) n-amyl Acetate	12.07	43	168867	17.457	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	138354	17.961	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	150730	17.804	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	90398	20.052	ug/l	99
51) Ethyl methacrylate	10.43	69	134994	18.014	ug/l	97
52) 1,3-Dichloropropane	10.70	76	157433	19.155	ug/l	100
53) Dibromochloromethane	10.90	129	86488	17.996	ug/l	99
54) 1,2-Dibromoethane	11.00	107	88190	19.119	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	186799	101.122	ug/l	100
56) Bromoform	12.12	173	45345	15.809	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	617057	93.058	ug/l	99
59) 2-Hexanone	10.75	43	433430	94.304	ug/l	99
61) Tetrachloroethene	10.63	164	81977	21.148	ug/l	96
62) Toluene	10.15	91	414743	20.077	ug/l	100
64) Chlorobenzene	11.43	112	226264	20.147	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	83702	19.611	ug/l	96
66) Ethyl Benzene	11.51	91	447481	20.240	ug/l	99
67) m/p-Xylenes	11.62	106	305696	39.865	ug/l	98
68) o-Xylene	11.95	106	149060	19.670	ug/l	98
69) Styrene	11.96	104	232195	19.180	ug/l	98
70) Isopropylbenzene	12.25	105	403738	19.916	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	112317	19.158	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	143258	26.919	ug/l	64
73) Bromobenzene	12.53	156	80462	19.609	ug/l	95
74) n-propylbenzene	12.59	91	443577	19.188	ug/l	99
75) 2-Chlorotoluene	12.67	91	269230	19.776	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	334193	20.087	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	29520	15.468	ug/l	97
78) 4-Chlorotoluene	12.77	91	247099	19.209	ug/l	99
79) tert-butylbenzene	12.99	119	281818	19.907	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	310134	19.994	ug/l	99
81) sec-Butylbenzene	13.17	105	369251	19.793	ug/l	99
82) p-Isopropyltoluene	13.29	119	301525	19.225	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	119808	18.756	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	116021	18.670	ug/l	99
85) n-Butylbenzene	13.62	91	262858	19.224	ug/l	96
86) Hexachloroethane	13.88	117	54433	17.201	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	121137	19.310	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15561	15.816	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	32623	13.879	ug/l	95
90) Hexachlorobutadiene	15.01	225	37931	20.988	ug/l	97
91) Naphthalene	15.13	128	102124	18.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	35460	15.085	ug/l	95

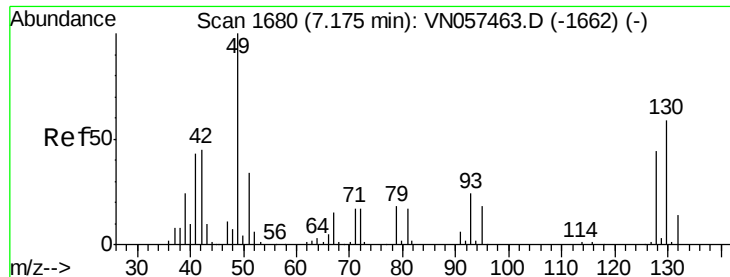
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

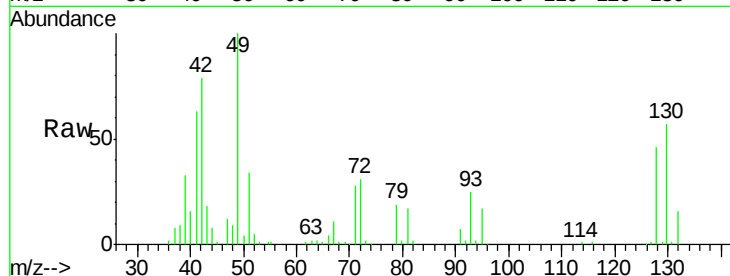
Tot Ion:128 Resp: 67695

Ion Ratio Lower Upper

128 100

49 218.2 0.0 560.5

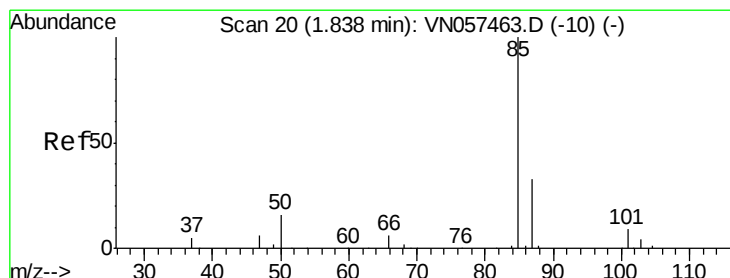
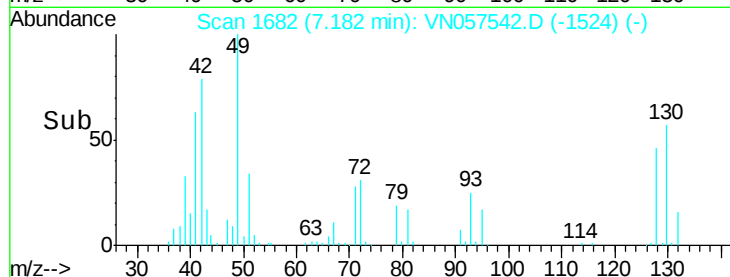
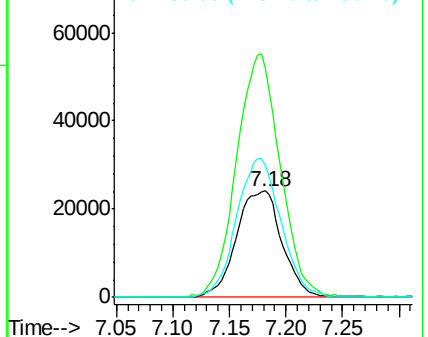
130 126.3 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.158 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057542.D

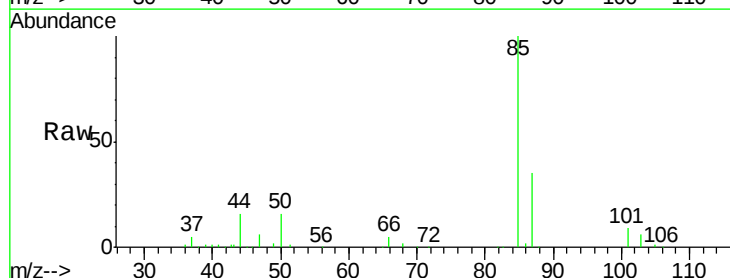
Acq: 27 Aug 2019 9:13

Tgt Ion: 85 Resp: 71387

Ion Ratio Lower Upper

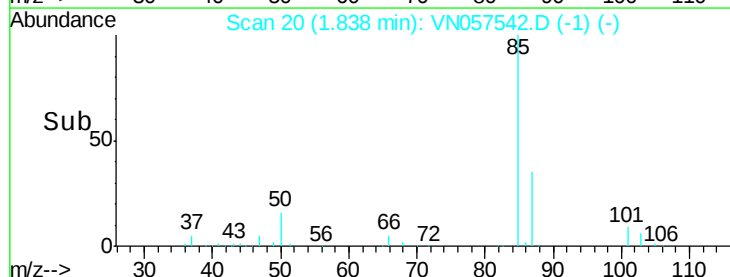
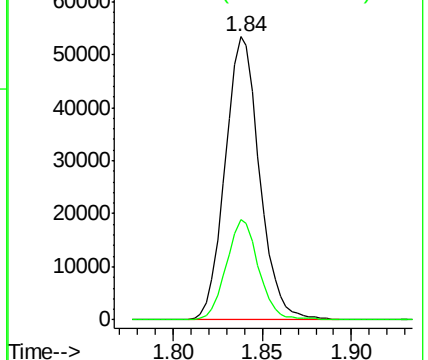
85 100

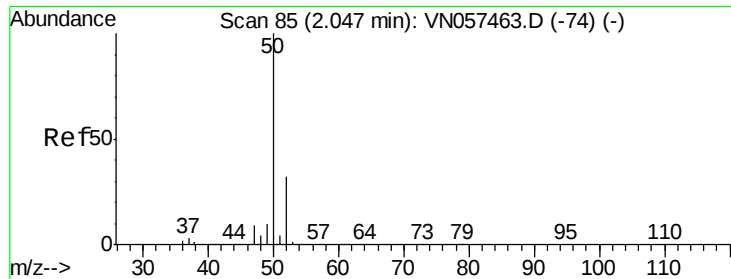
87 35.2 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.932 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

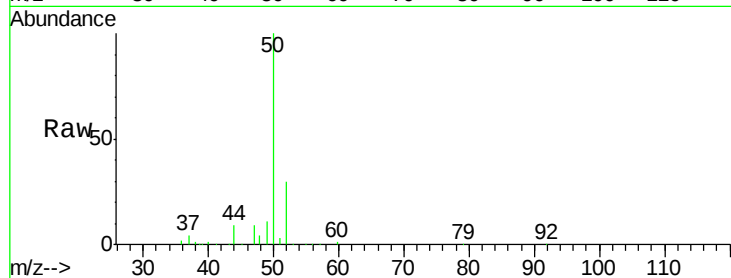
VSTDCCC020

Tot Ion: 50 Resp: 106002

Ion Ratio Lower Upper

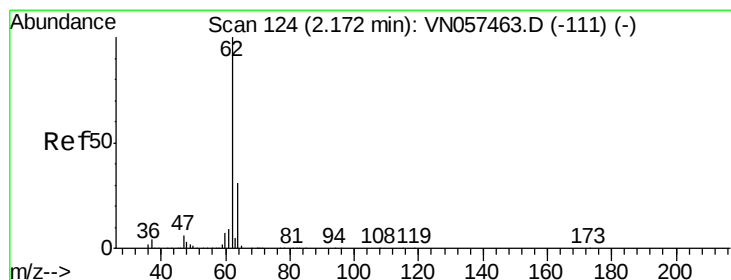
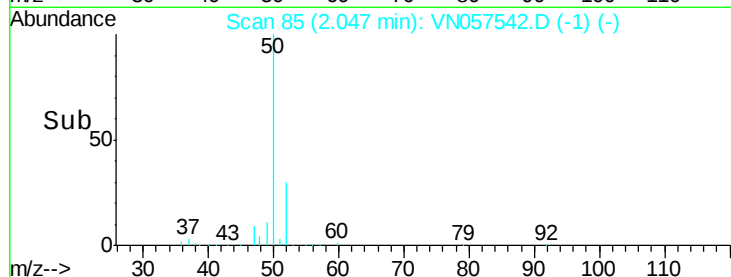
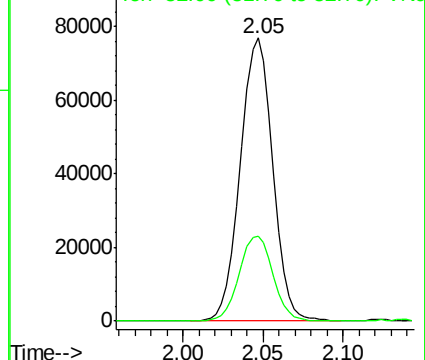
50 100

52 30.0 25.8 38.6



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.304 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057542.D

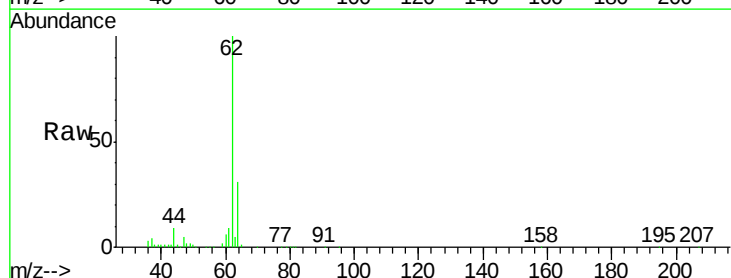
Acq: 27 Aug 2019 9:13

Tgt Ion: 62 Resp: 137176

Ion Ratio Lower Upper

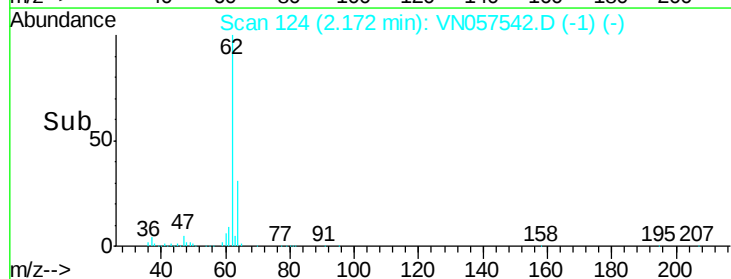
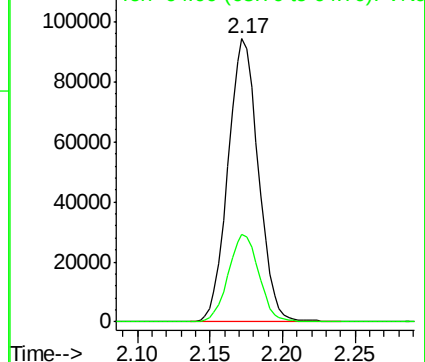
62 100

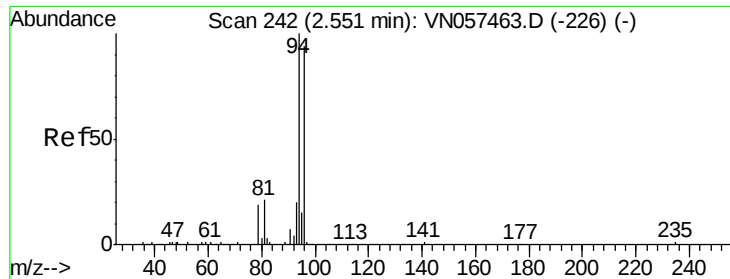
64 31.1 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.048 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

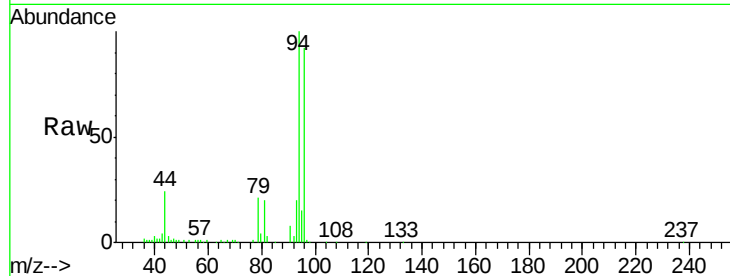
VSTDCCC020

Tot Ion: 94 Resp: 87623

Ion Ratio Lower Upper

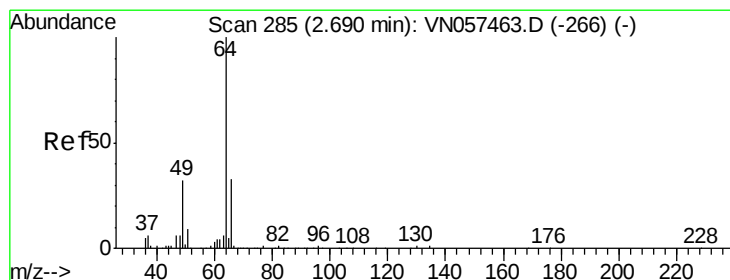
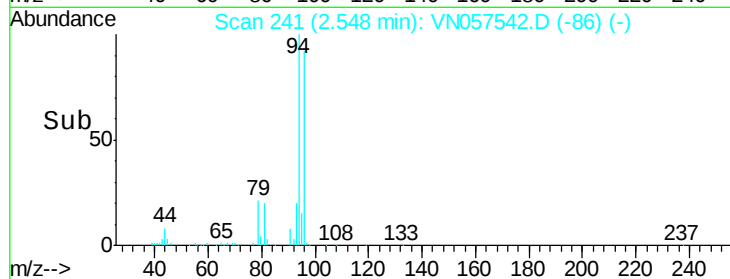
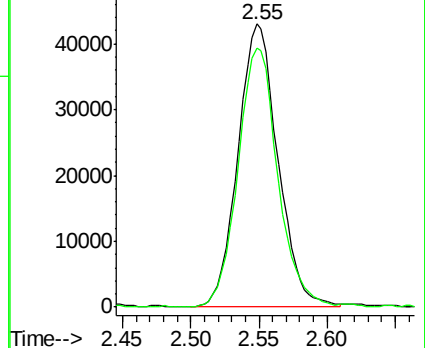
94 100

96 91.7 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.993 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057542.D

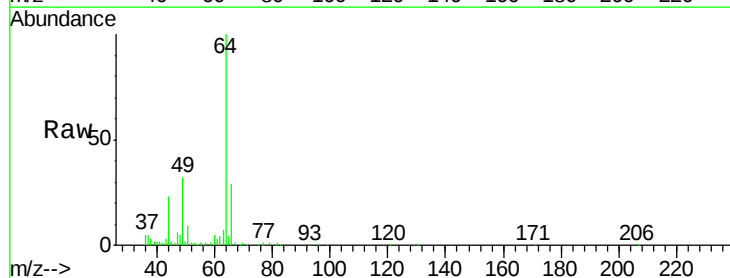
Acq: 27 Aug 2019 9:13

Tgt Ion: 64 Resp: 90476

Ion Ratio Lower Upper

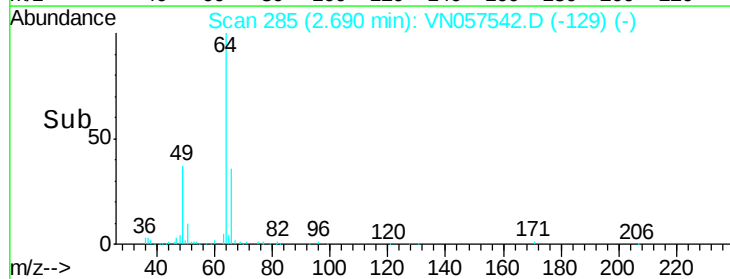
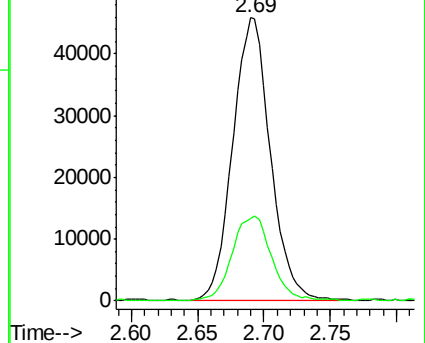
64 100

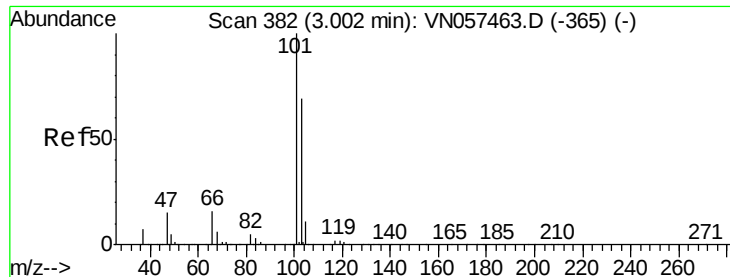
66 28.9 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



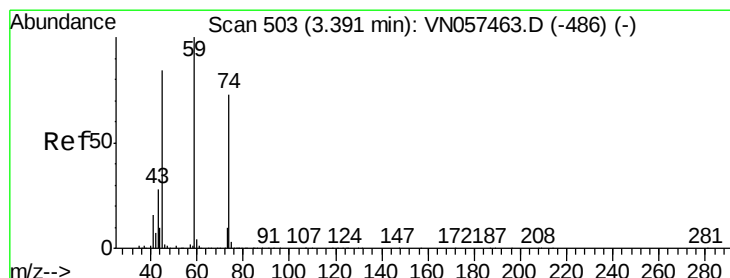
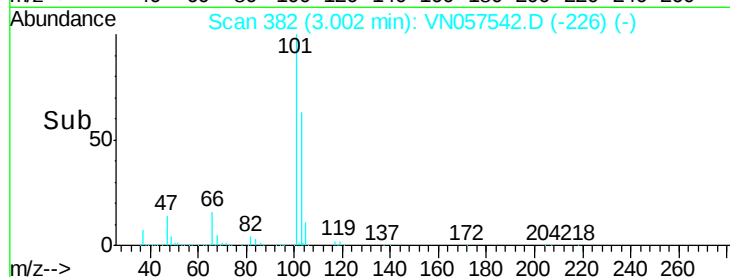
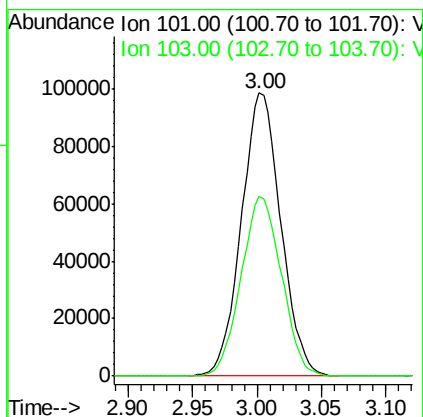
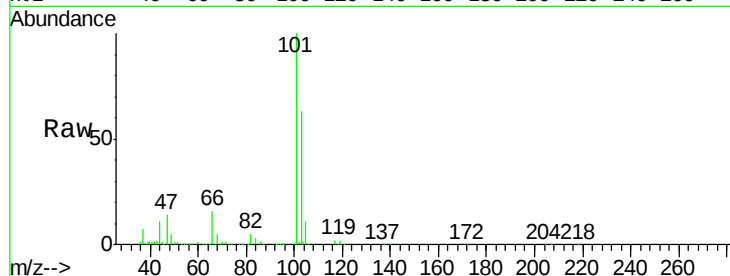


#7

Trichlorofluoromethane
Concen: 19.574 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

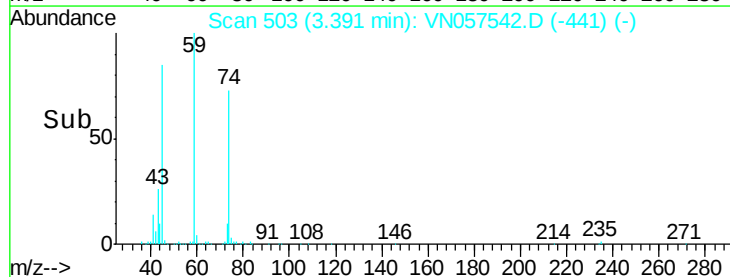
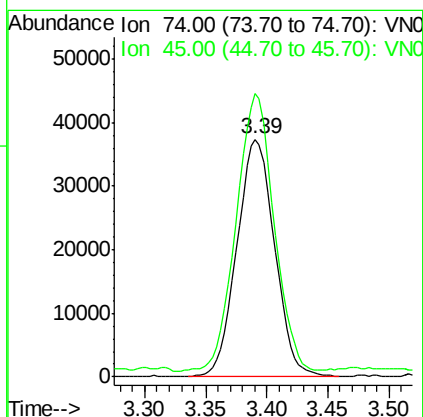
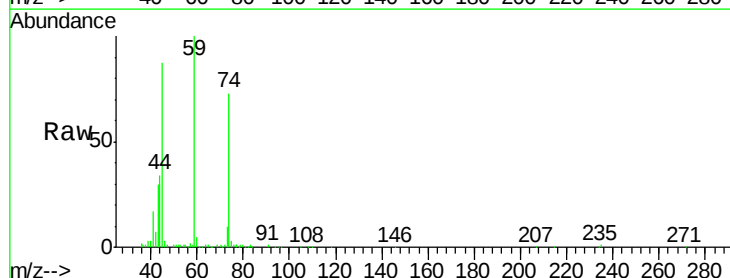
Tot Ion:101 Resp: 210339
Ion Ratio Lower Upper
101 100
103 63.5 55.0 82.4

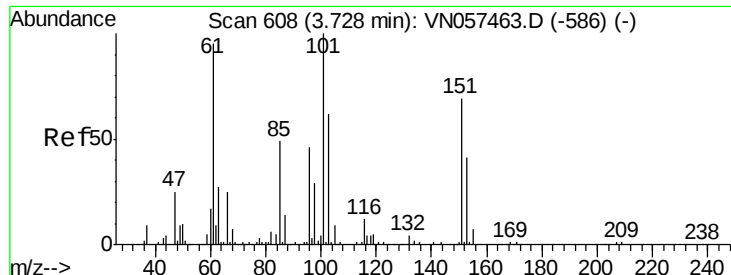


#8

Diethyl Ether
Concen: 19.378 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 74 Resp: 79997
Ion Ratio Lower Upper
74 100
45 117.3 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.030 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

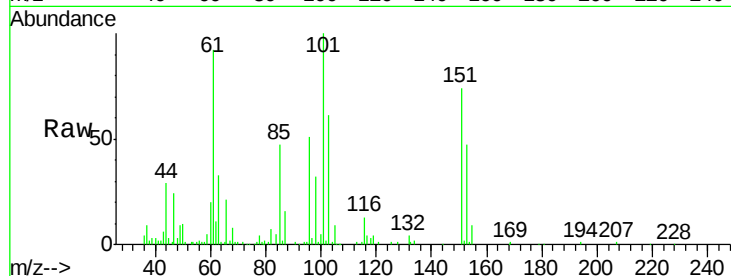
Tot Ion:101 Resp: 121226

Ion Ratio Lower Upper

101 100

85 48.9 0.0 101.6

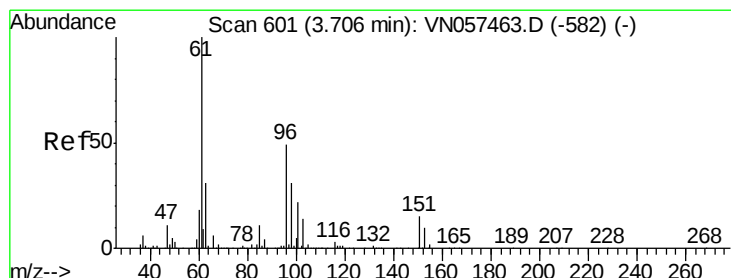
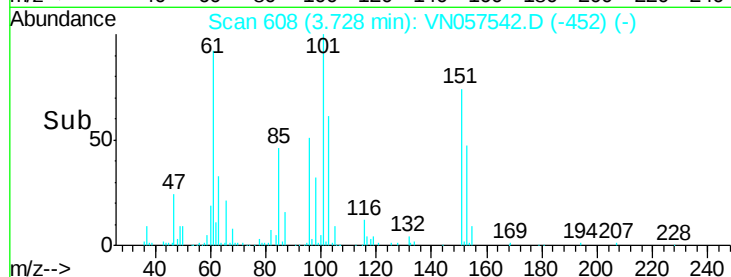
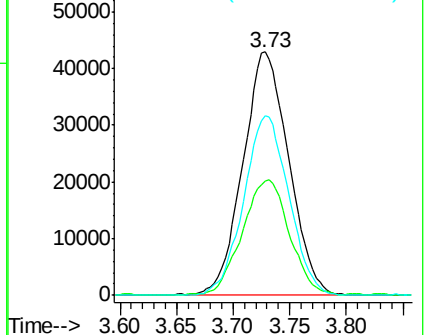
151 72.6 0.0 139.4



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: 19.434 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

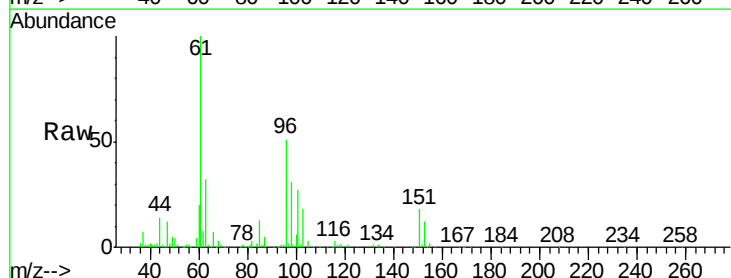
Tgt Ion: 96 Resp: 113552

Ion Ratio Lower Upper

96 100

61 196.4 162.6 244.0

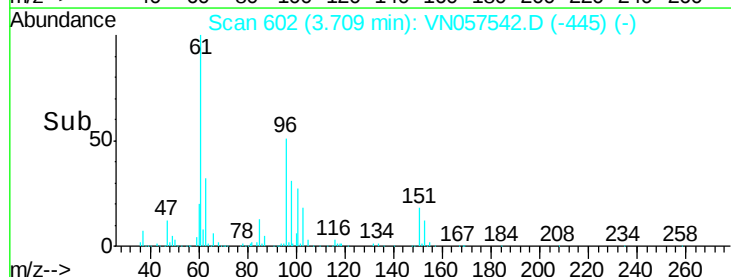
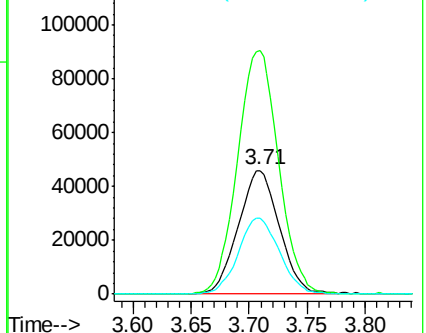
98 61.0 51.1 76.7

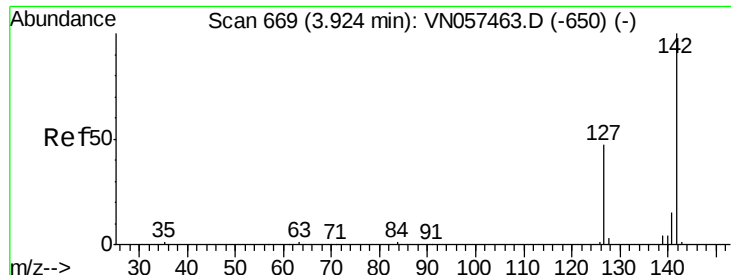


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

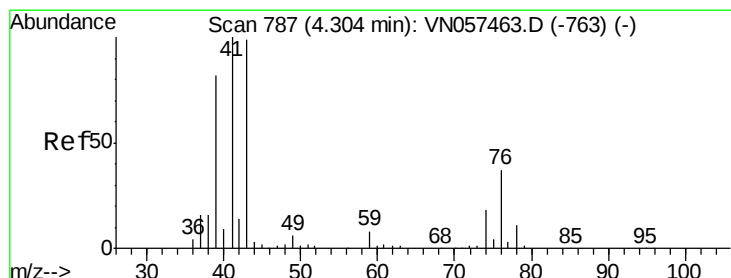
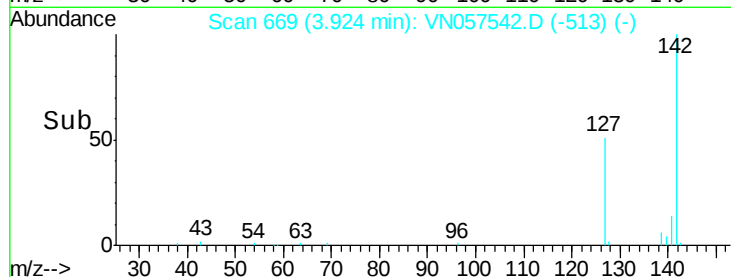
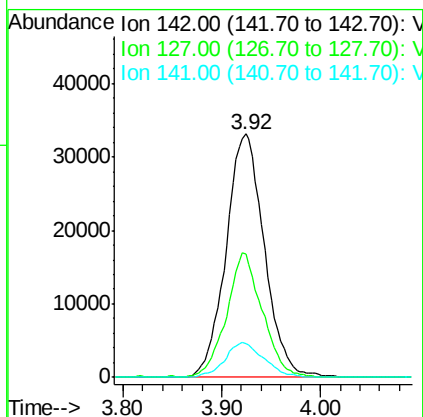
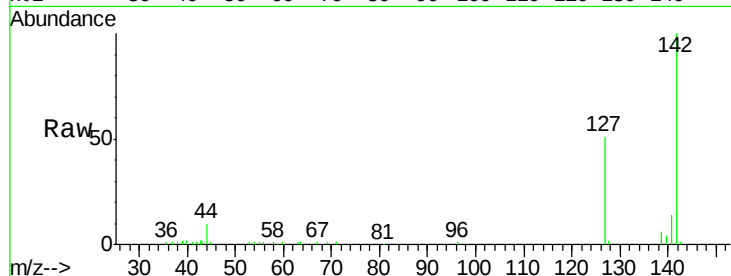




#11
Methyl Iodide
Concen: 16.986 ug/l
RT: 3.92 min Scan# 669
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

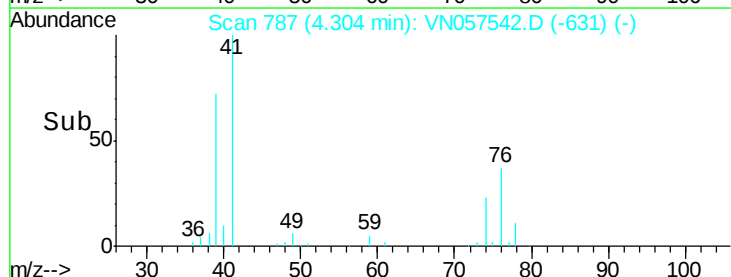
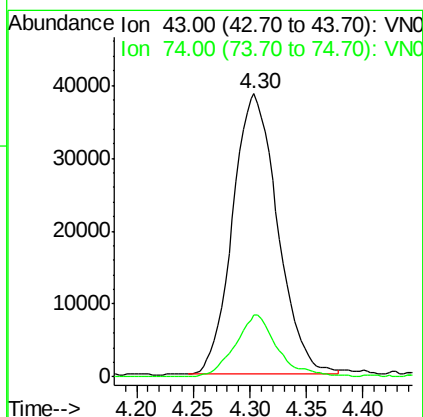
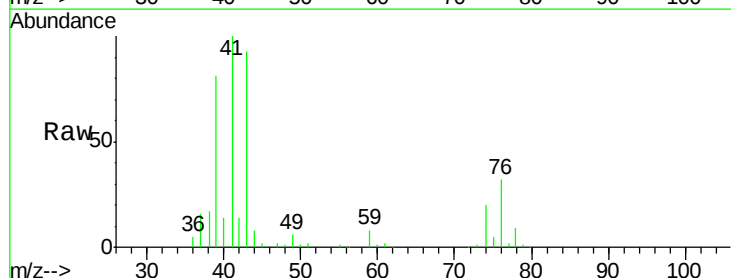
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

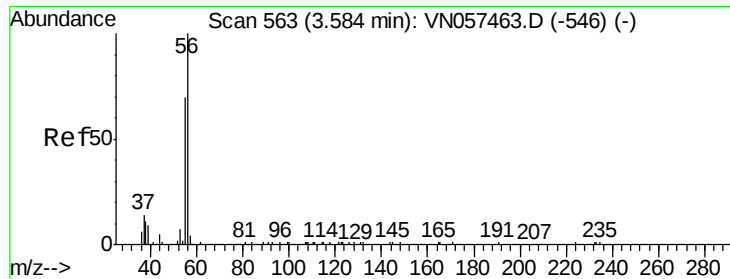
Tot Ion:142 Resp: 89217
Ion Ratio Lower Upper
142 100
127 49.8 24.0 72.0
141 13.8 7.0 21.1



#12
Methyl Acetate
Concen: 18.061 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 43 Resp: 106308
Ion Ratio Lower Upper
43 100
74 21.7 14.6 22.0





#13

Acrolein

Concen: 91.319 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

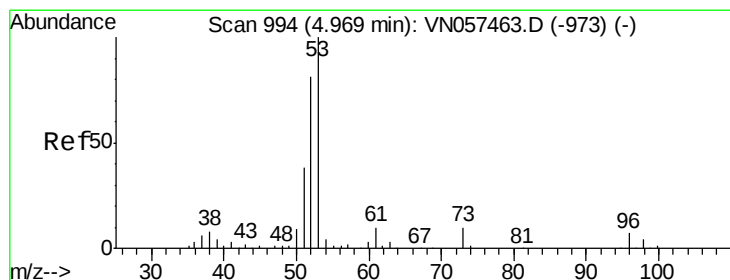
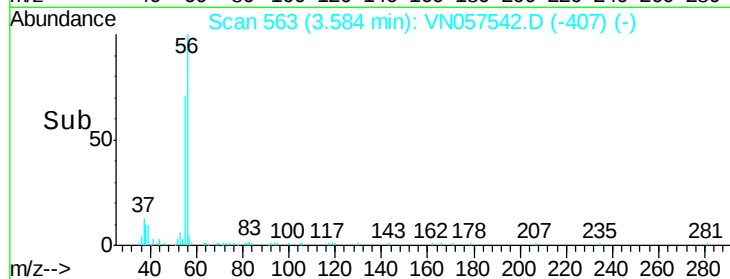
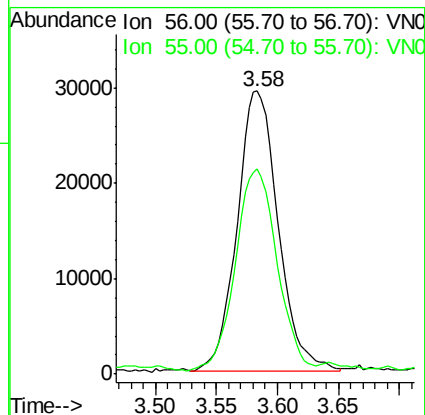
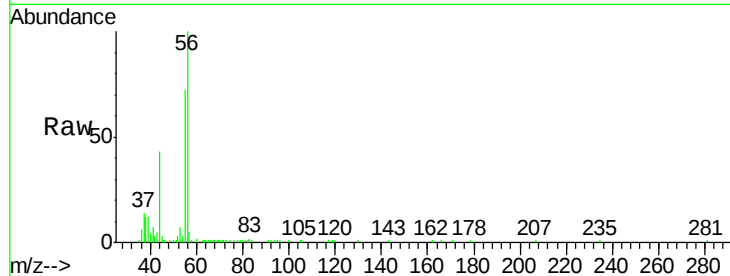
VSTDCCC020

Tot Ion: 56 Resp: 68360

Ion Ratio Lower Upper

56 100

55 72.7 56.7 85.1



#14

Acrylonitrile

Concen: 96.656 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

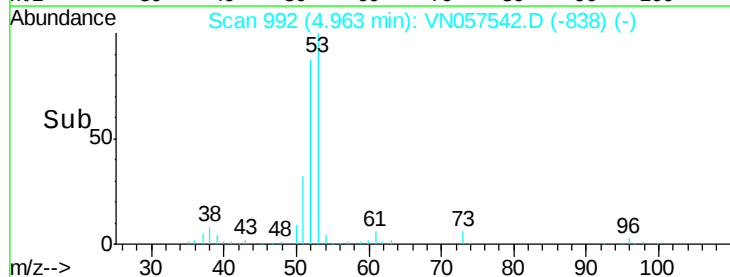
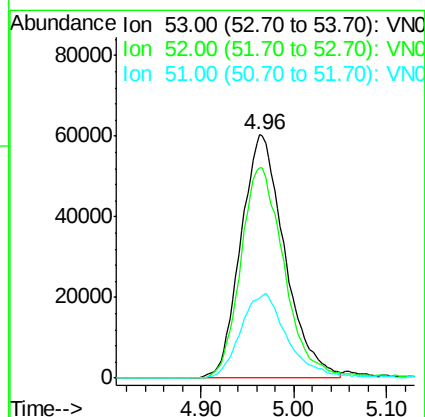
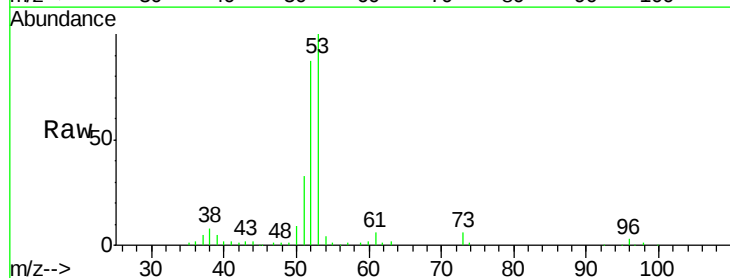
Tgt Ion: 53 Resp: 197647

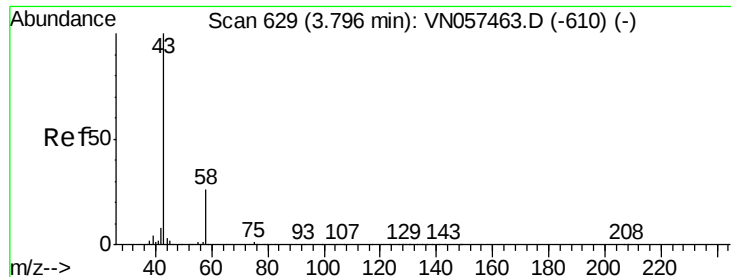
Ion Ratio Lower Upper

53 100

52 85.7 41.3 123.9

51 36.7 18.3 54.9





#15

Acetone

Concen: 118.077 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

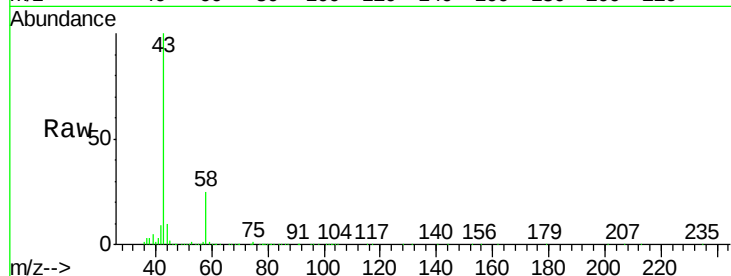
VSTDCCC020

Tot Ion: 58 Resp: 112950

Ion Ratio Lower Upper

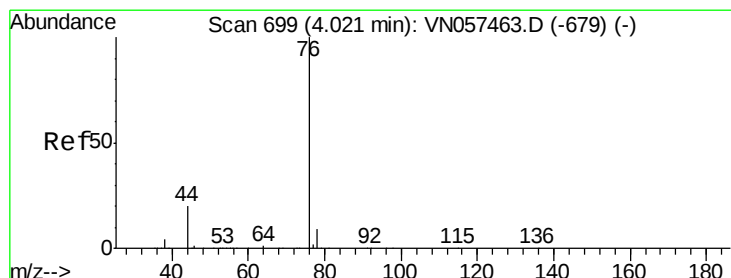
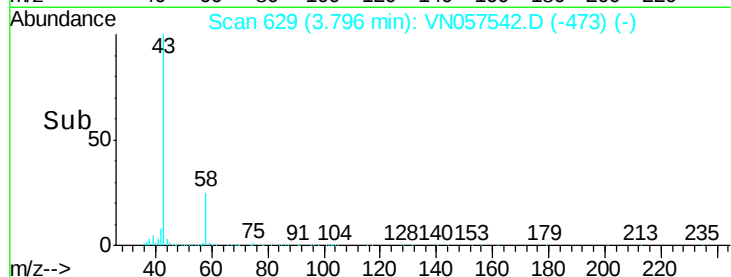
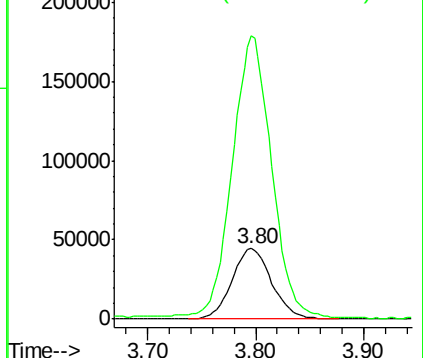
58 100

43 402.6 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN057463.D (-610) (-)

Ion 43.00 (42.70 to 43.70): VN057463.D (-610) (-)



#16

Carbon Disulfide

Concen: 19.023 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057542.D

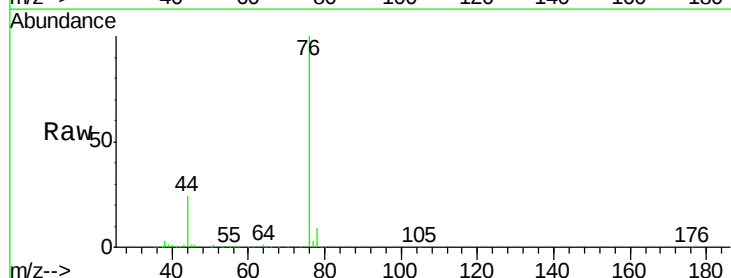
Acq: 27 Aug 2019 9:13

Tgt Ion: 76 Resp: 197989

Ion Ratio Lower Upper

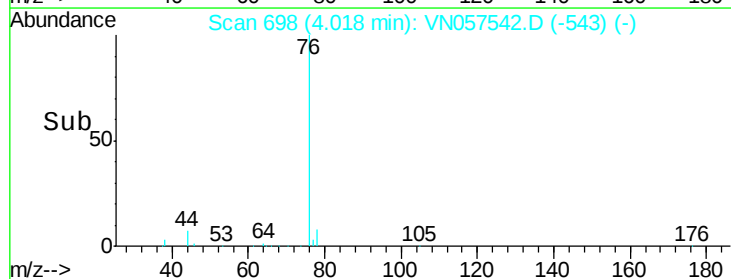
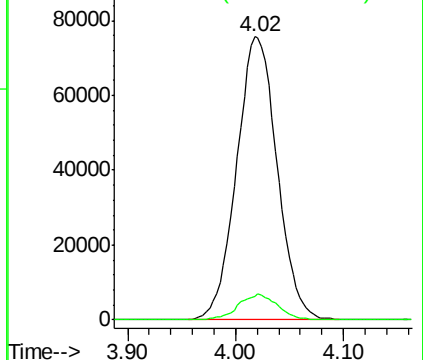
76 100

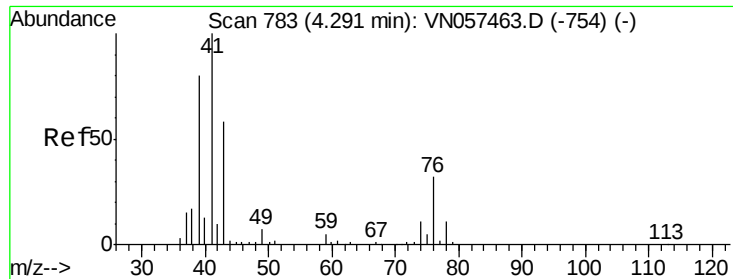
78 8.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN057463.D (-679) (-)

Ion 78.00 (77.70 to 78.70): VN057463.D (-679) (-)

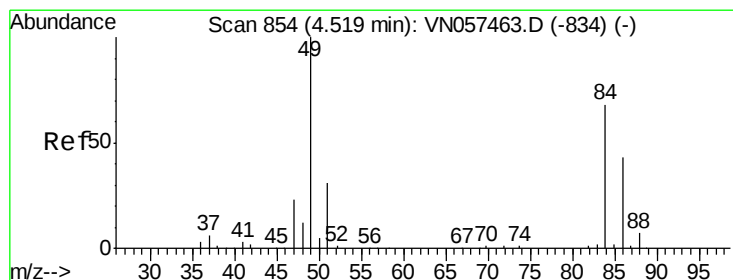
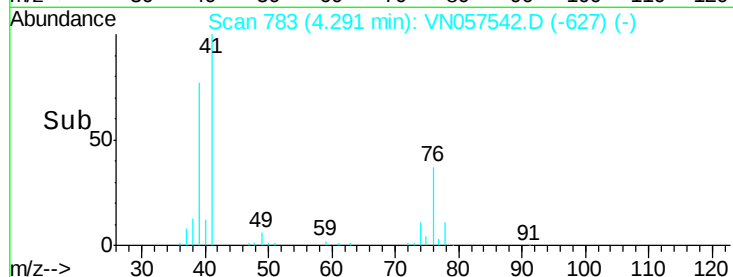
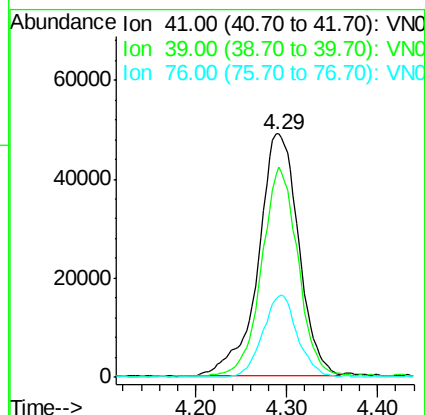
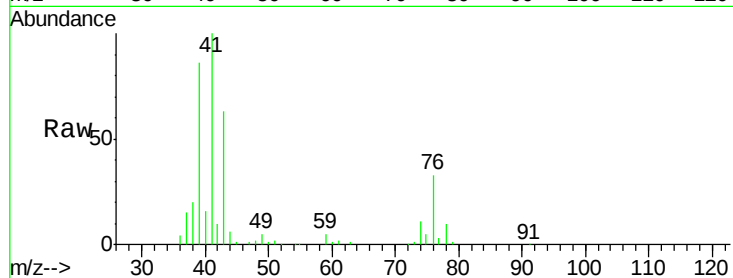




#17
Allvl chloride
Concen: 18.881 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

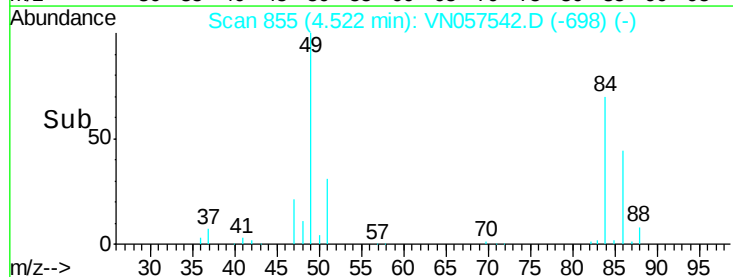
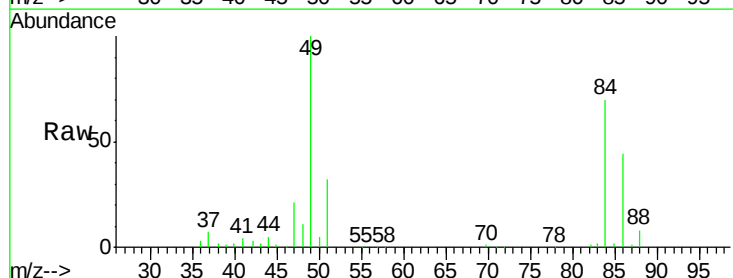
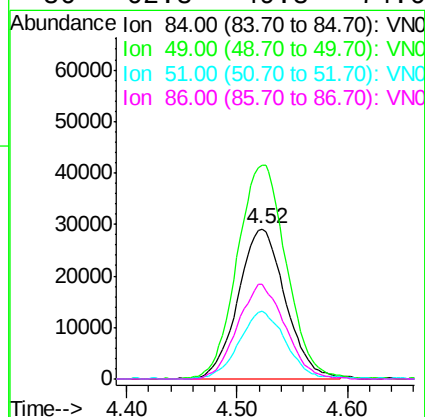
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

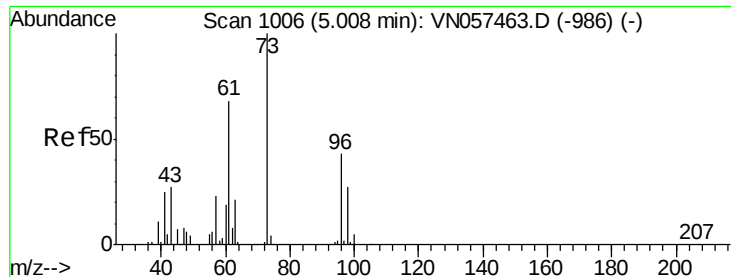
Tot Ion: 41 Resp: 150506
Ion Ratio Lower Upper
41 100
39 86.0 40.1 120.2
76 33.0 16.2 48.6



#18
Methylene Chloride
Concen: 20.221 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 84 Resp: 86648
Ion Ratio Lower Upper
84 100
49 141.0 116.8 175.2
51 45.0 36.4 54.6
86 62.8 49.8 74.6

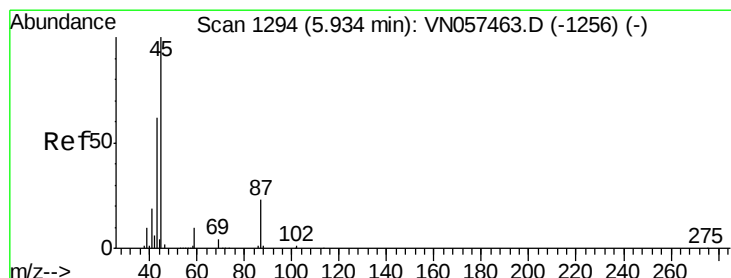
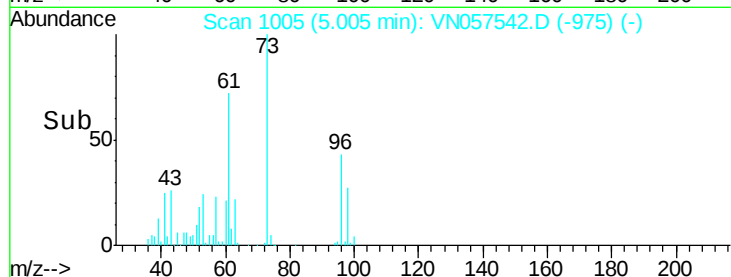
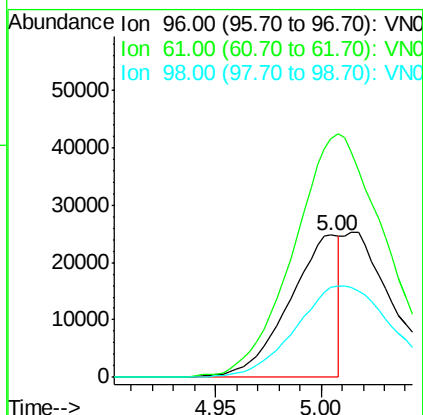
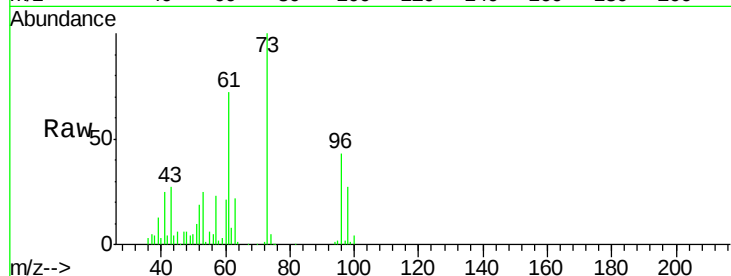




#19
trans-1,2-Dichloroethene
Concen: 10.078 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

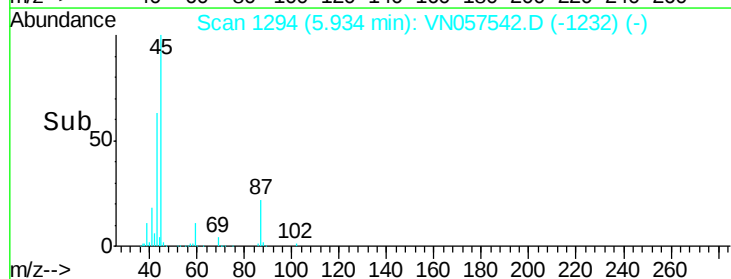
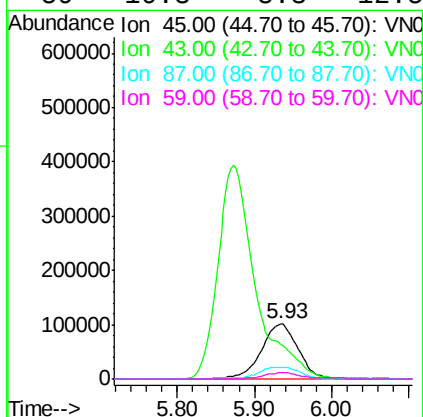
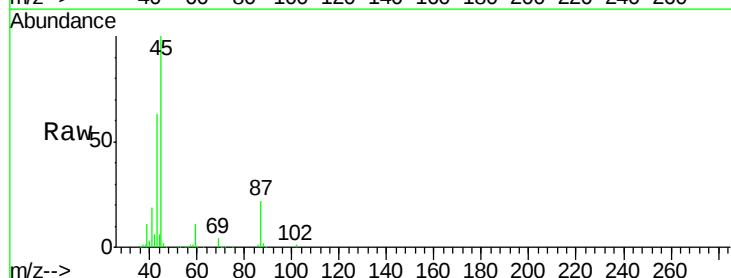
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

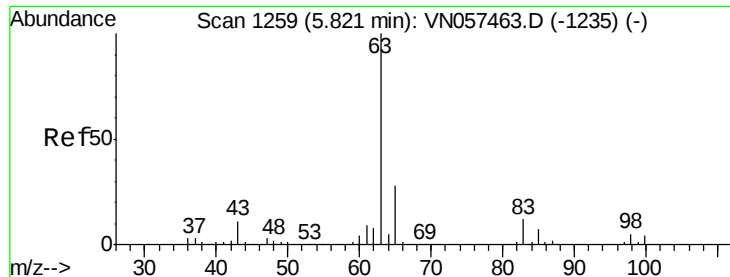
Tot Ion: 96 Resp: 40668
Ion Ratio Lower Upper
96 100
61 167.9 127.6 191.4
98 63.3 51.5 77.3



#20
Diisopropyl ether
Concen: 19.715 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 45 Resp: 335506
Ion Ratio Lower Upper
45 100
43 61.5 49.9 74.9
87 21.5 19.1 28.7
59 10.3 8.3 12.5

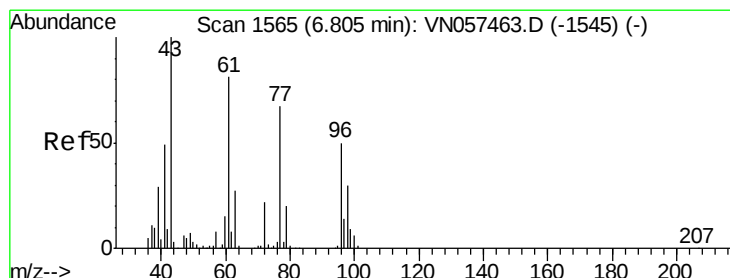
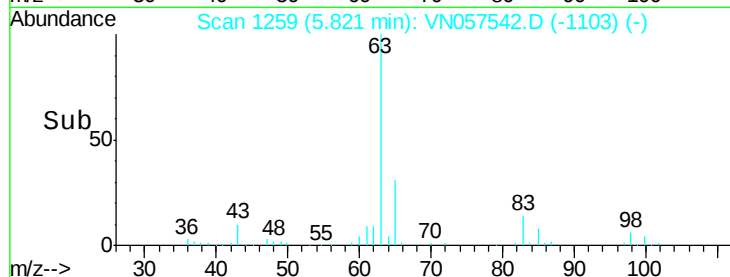
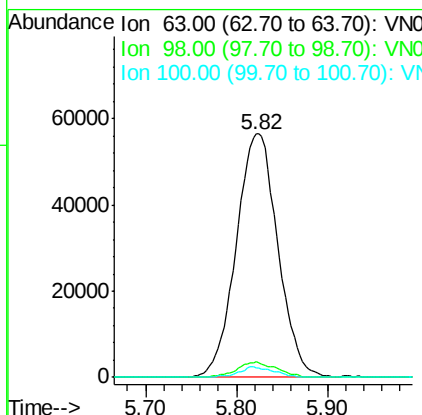
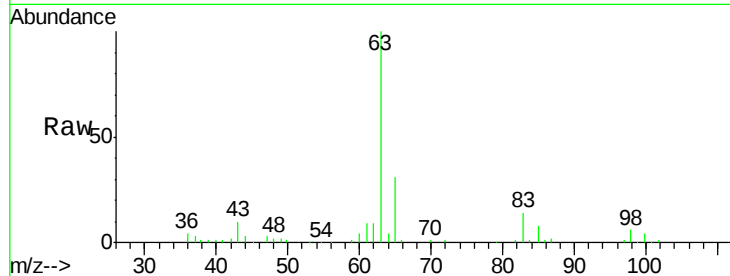




#21
 1,1-Dichloroethane
 Concen: 20.280 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

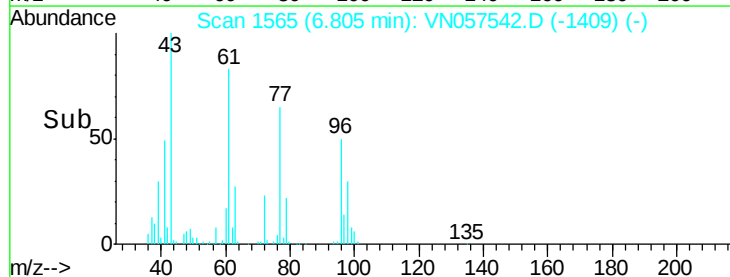
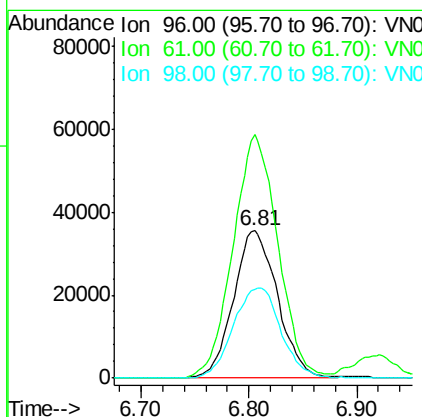
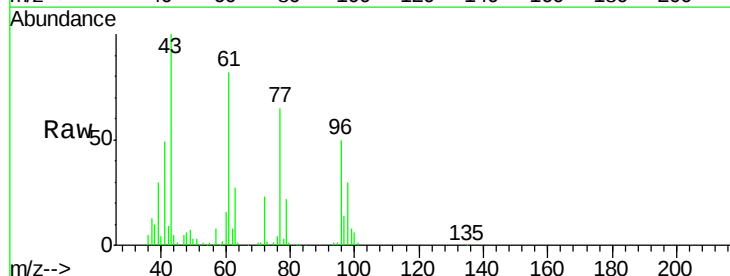
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

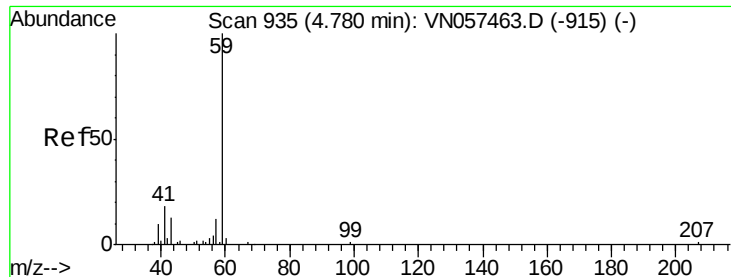
Tot Ion: 63 Resp: 179341
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.4 7.1
 100 3.9 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 20.578 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 96 Resp: 100998
 Ion Ratio Lower Upper
 96 100
 61 167.7 134.4 201.6
 98 66.0 51.4 77.0





#23

tert-Butyl Alcohol

Concen: 89.942 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

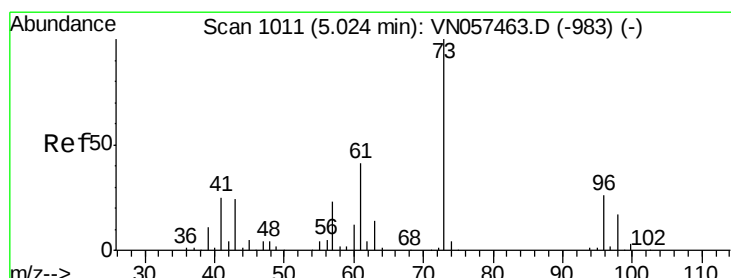
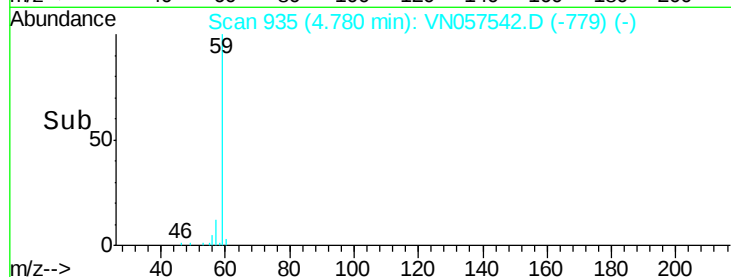
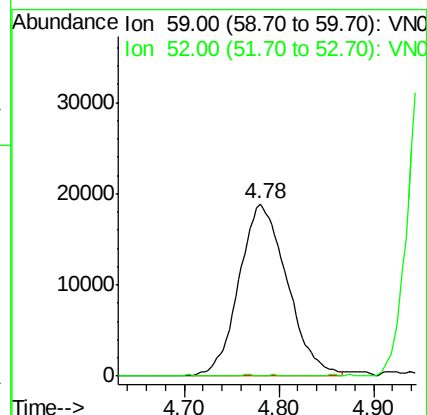
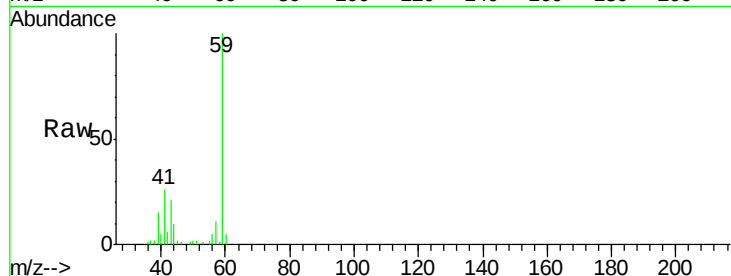
VSTDCCC020

Tot Ion: 59 Resp: 66808

Ion Ratio Lower Upper

59 100

52 0.2 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 19.996 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN057542.D

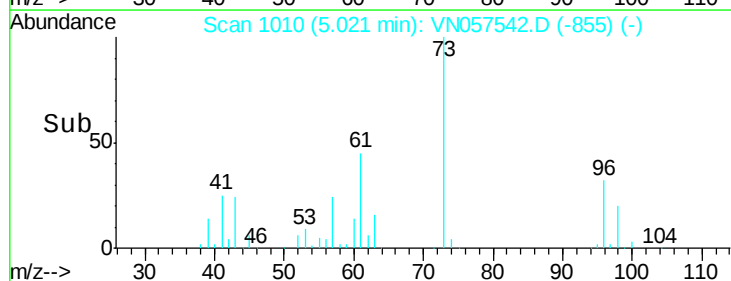
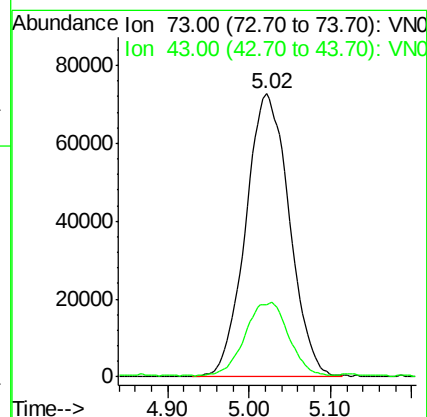
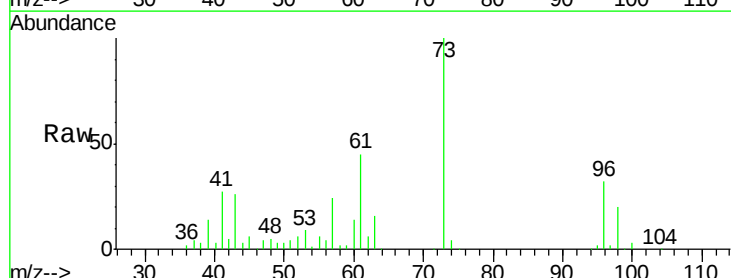
Acq: 27 Aug 2019 9:13

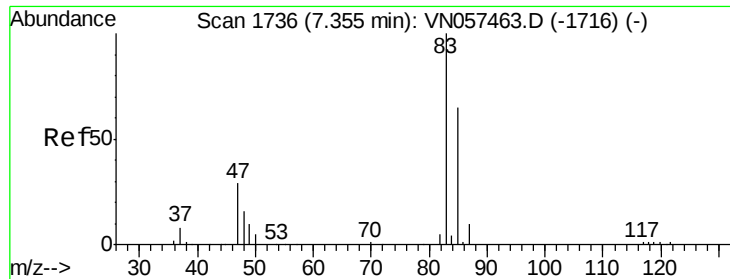
Tgt Ion: 73 Resp: 269937

Ion Ratio Lower Upper

73 100

43 0.1 20.1 30.1#

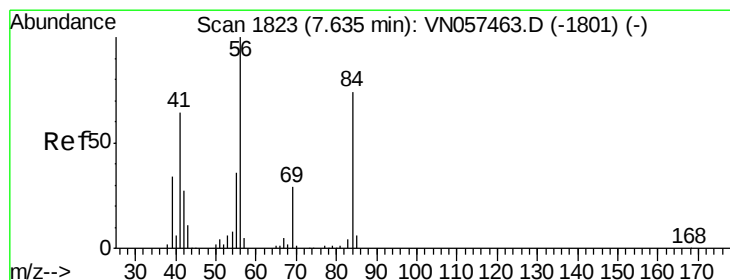
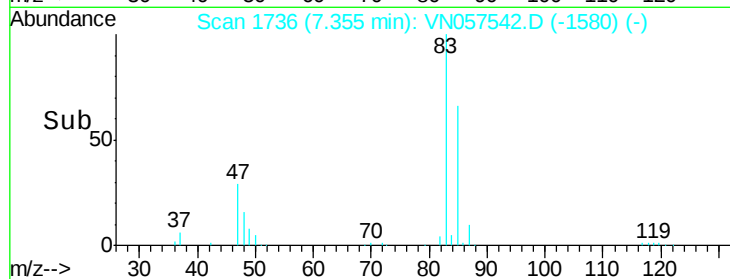
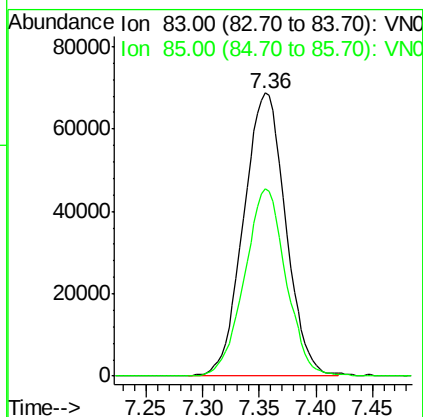
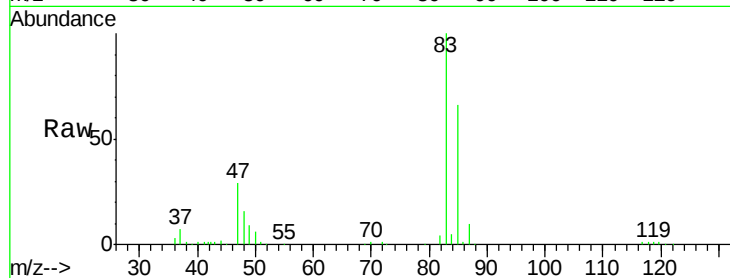




#25
Chloroform
Concen: 20.296 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

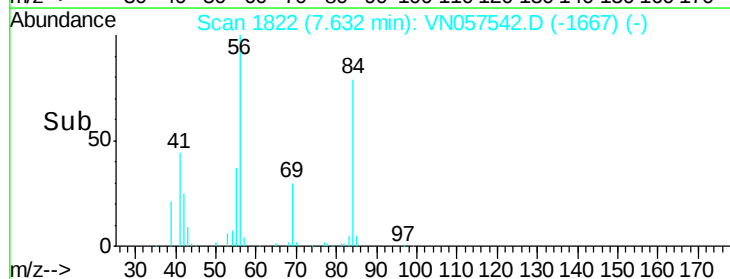
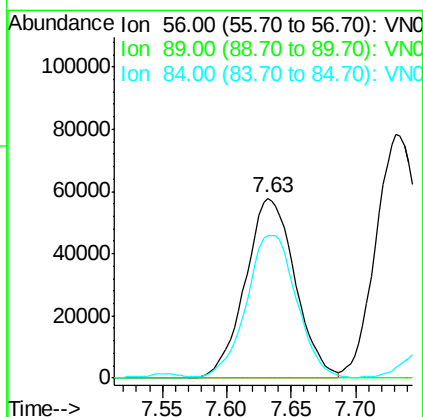
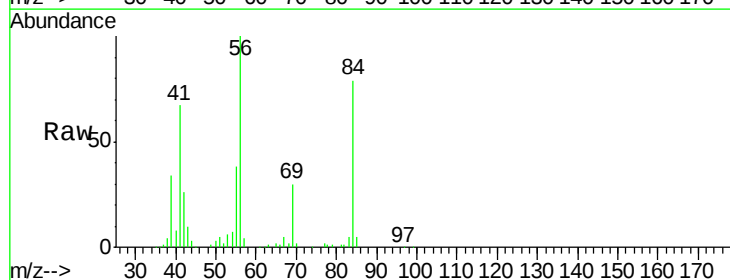
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

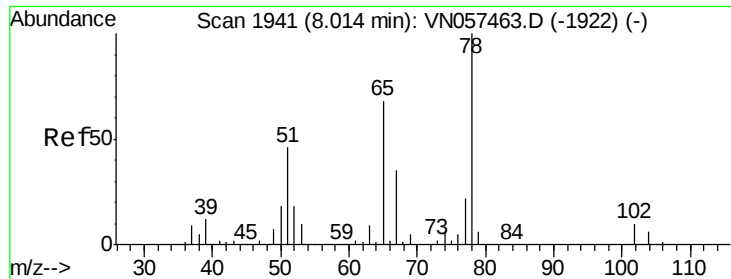
Tot Ion: 83 Resp: 178189
Ion Ratio Lower Upper
83 100
85 66.4 52.0 78.0



#26
Cyclohexane
Concen: 19.772 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 56 Resp: 155695
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 79.9 61.1 91.7

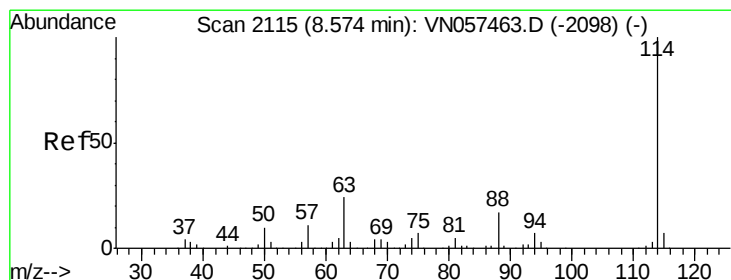
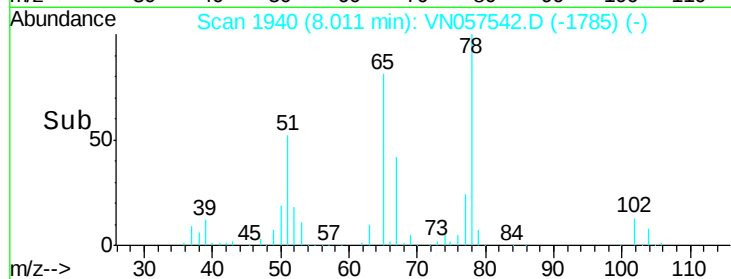
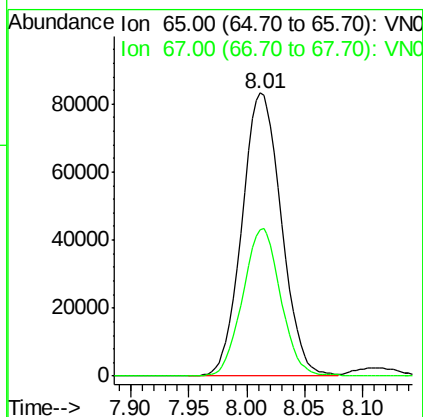
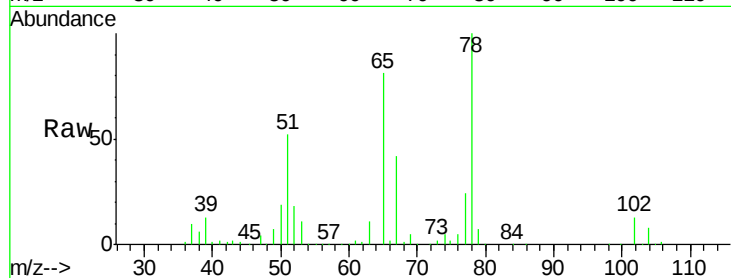




#27
 1,2-Dichloroethane-d4
 Concen: 30.160 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

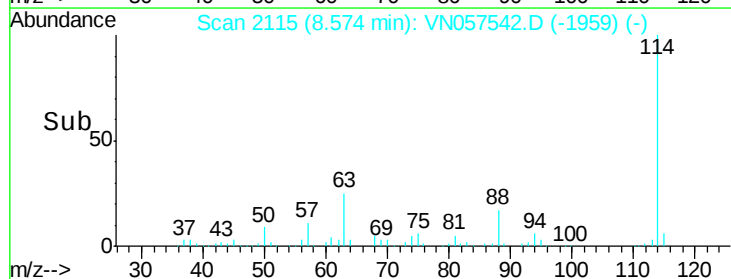
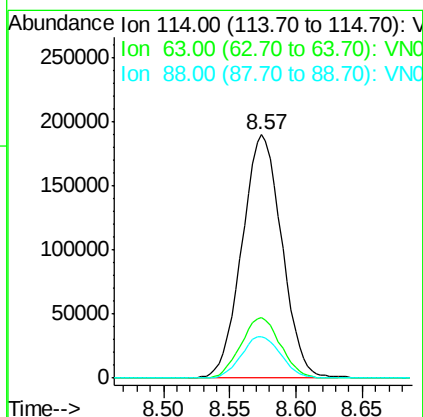
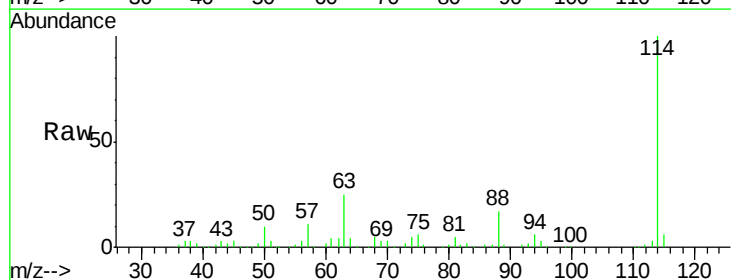
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

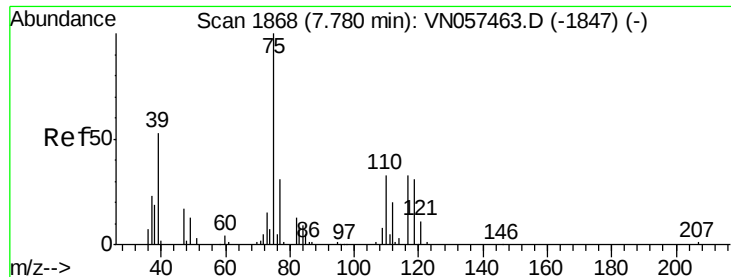
Tot Ion: 65 Resp: 196826
 Ion Ratio Lower Upper
 65 100
 67 50.3 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 114 Resp: 395858
 Ion Ratio Lower Upper
 114 100
 63 24.7 19.6 29.4
 88 17.2 13.1 19.7

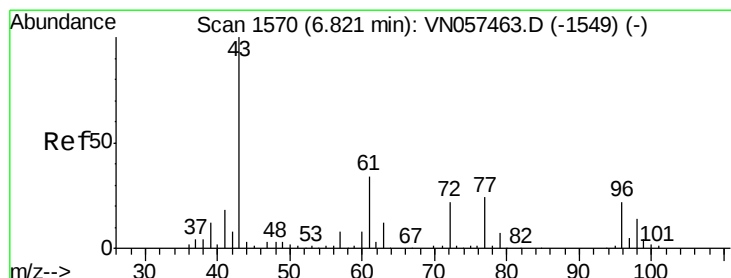
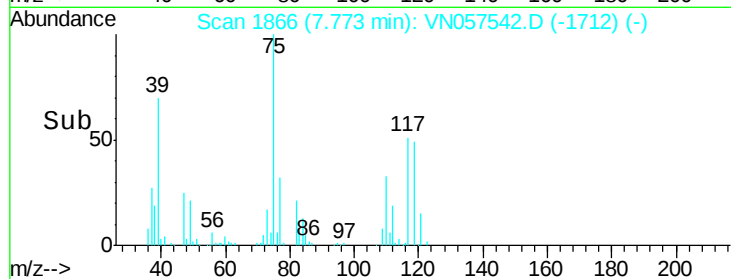
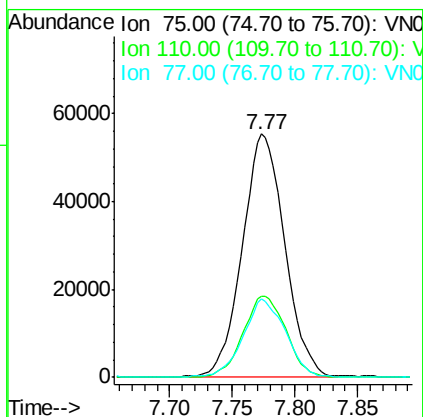
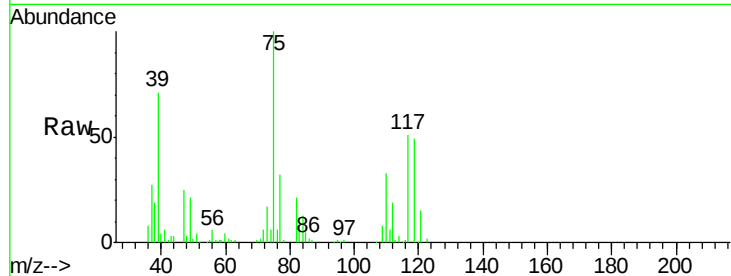




#29
 1,1-Dichloropropene
 Concen: 19.418 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

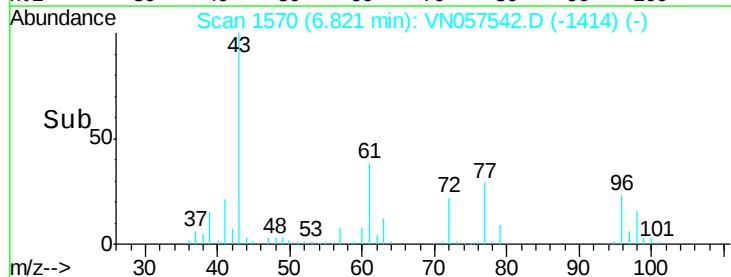
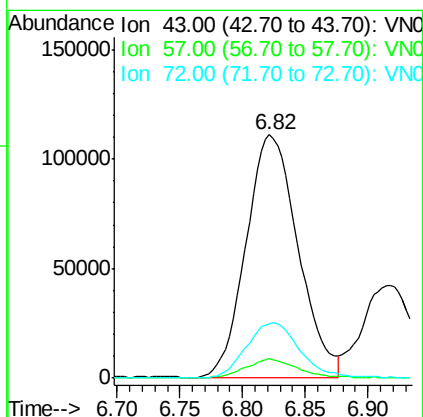
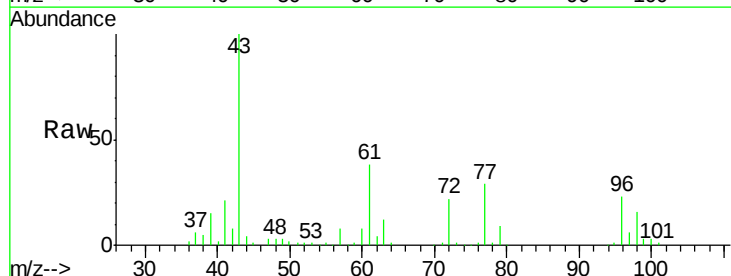
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

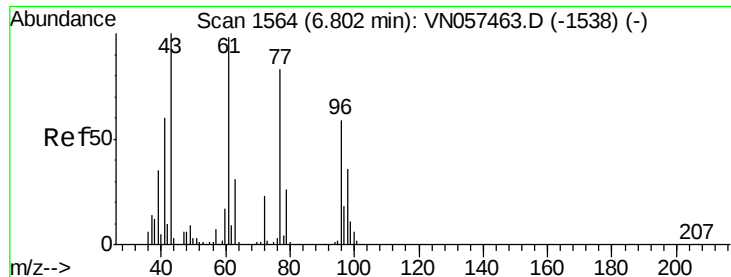
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.6	0.0	64.0
77	32.2	0.0	63.4



#30
 2-Butanone
 Concen: 98.522 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	5.7	8.5
72	23.3	18.2	27.2





#31

2,2-Dichloropropane

Concen: 19.946 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

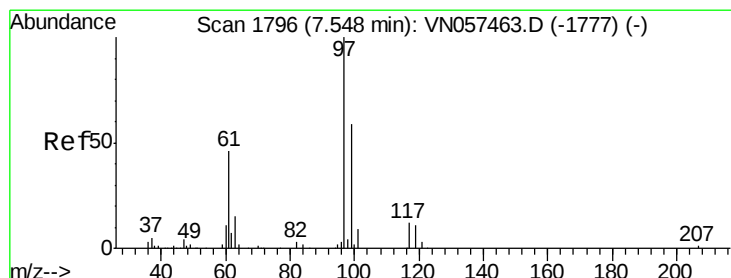
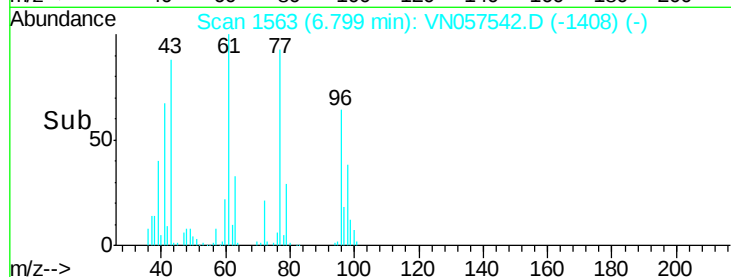
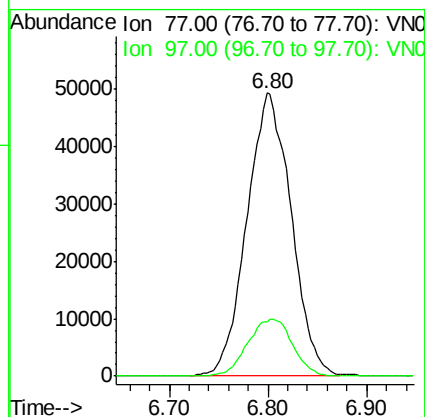
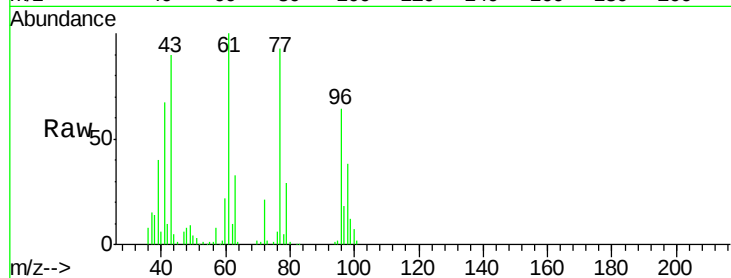
VSTDCCC020

Tot Ion: 77 Resp: 153323

Ion Ratio Lower Upper

77 100

97 20.4 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 19.448 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

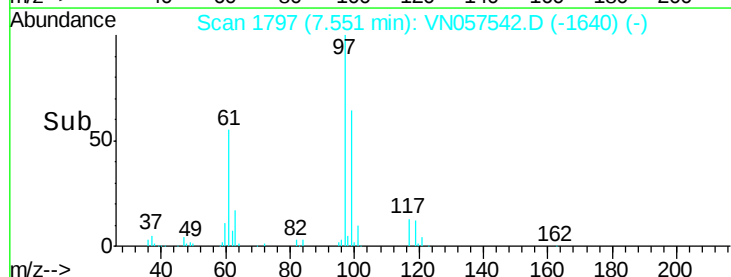
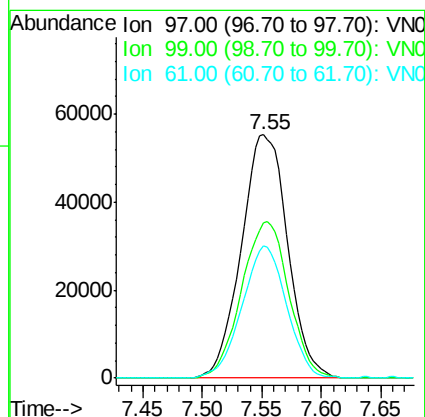
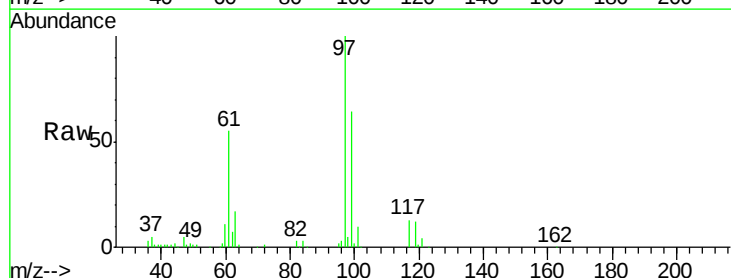
Tgt Ion: 97 Resp: 149574

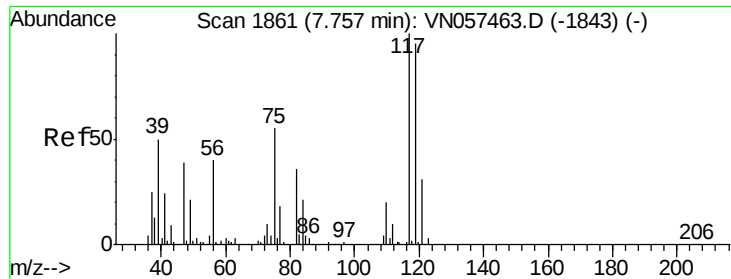
Ion Ratio Lower Upper

97 100

99 65.2 49.6 74.4

61 52.3 40.9 61.3





#33

Carbon Tetrachloride

Concen: 18.861 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

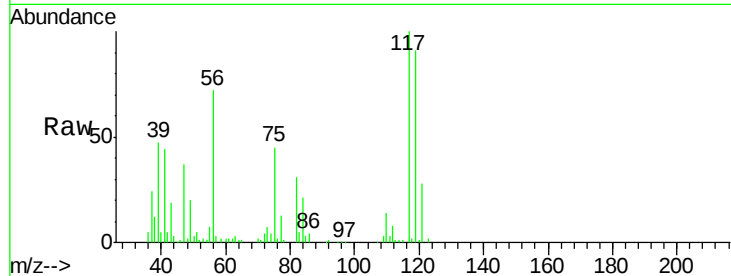
Tot Ion:117 Resp: 120452

Ion Ratio Lower Upper

117 100

119 91.0 76.8 115.2

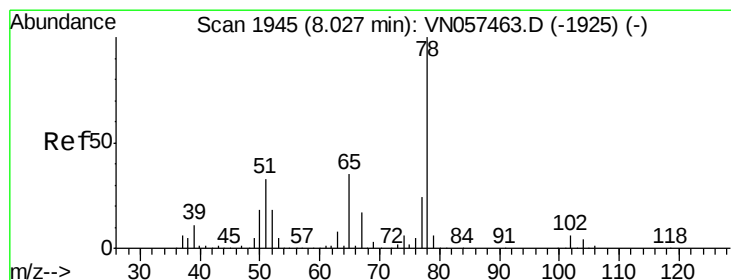
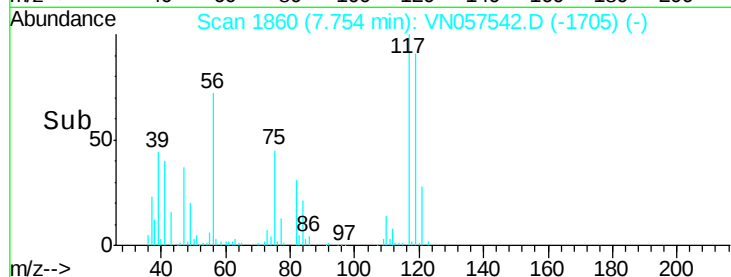
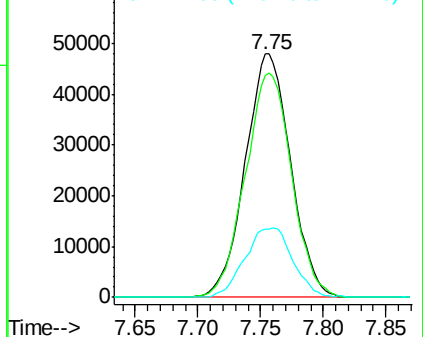
121 27.9 24.8 37.2



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: 19.653 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

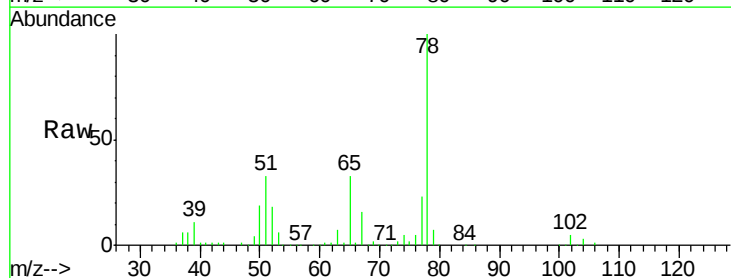
Tgt Ion: 78 Resp: 388817

Ion Ratio Lower Upper

78 100

77 23.1 19.5 29.3

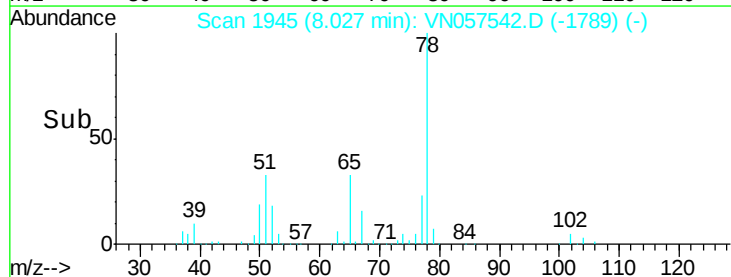
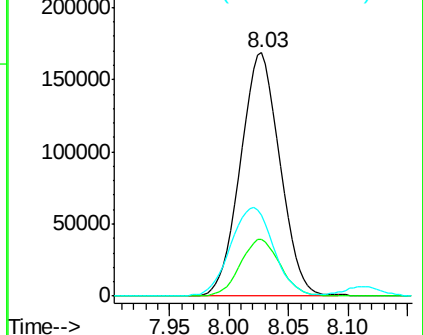
51 32.7 26.0 39.0

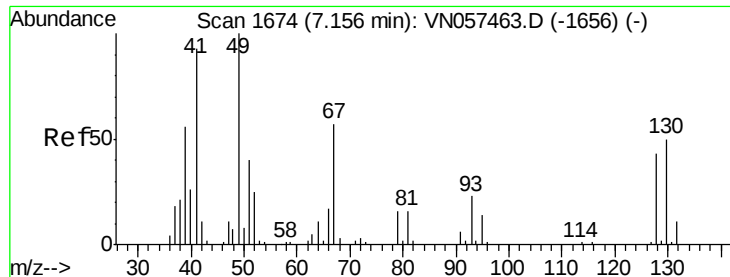


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

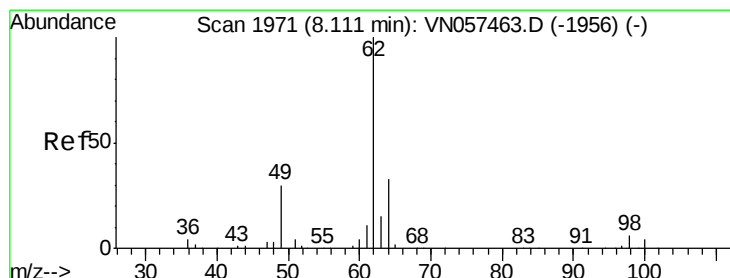
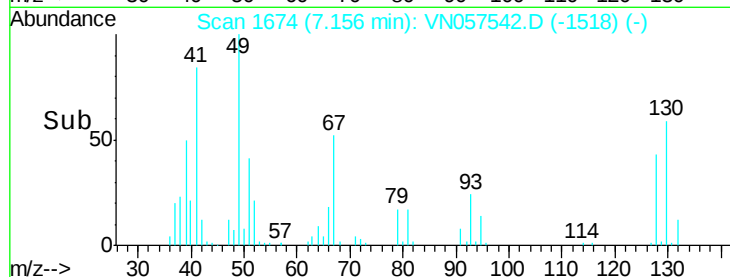
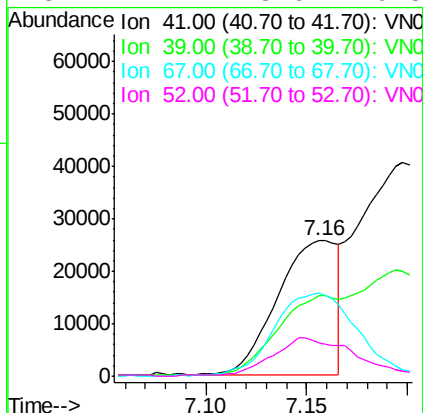
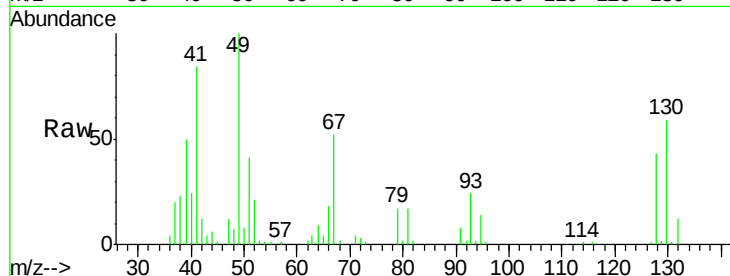




#35
Methacrylonitrile
Concen: 16.019 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

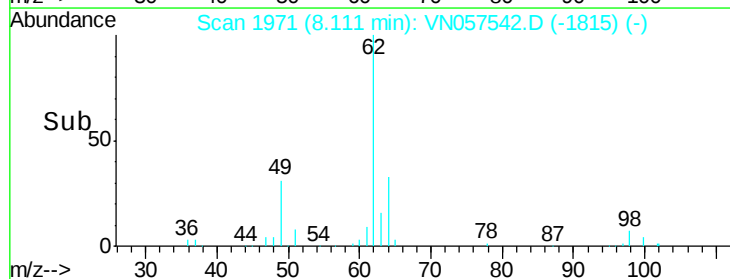
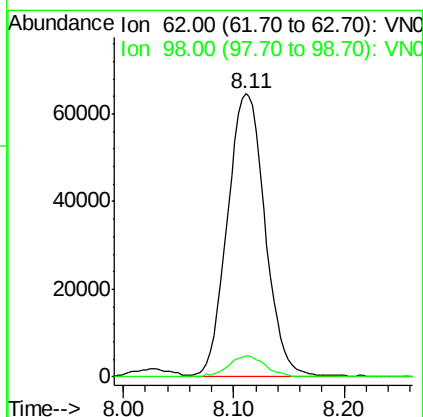
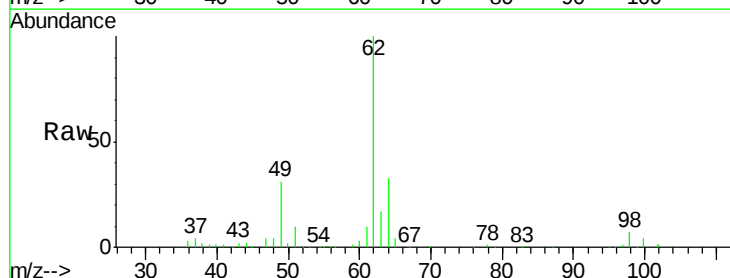
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

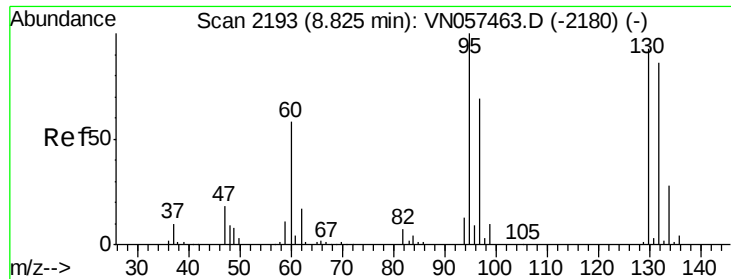
Tot Ion:	41	Resp:	52439
Ion	Ratio	Lower	Upper
41	100		
39	59.2	30.5	91.5
67	62.4	30.9	92.5
52	24.4	13.6	40.8



#36
1,2-Dichloroethane
Concen: 19.750 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion:	62	Resp:	153168
Ion	Ratio	Lower	Upper
62	100		
98	7.1	2.8	4.2#

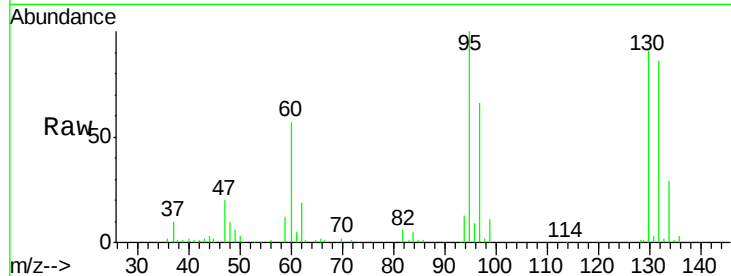




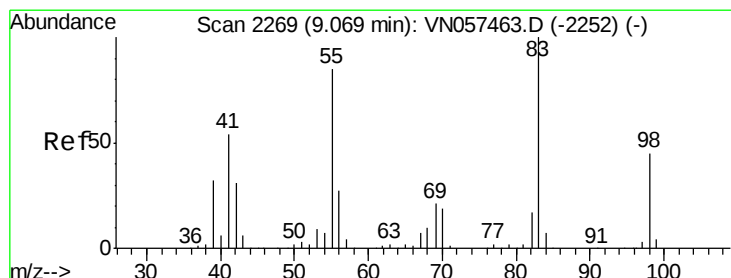
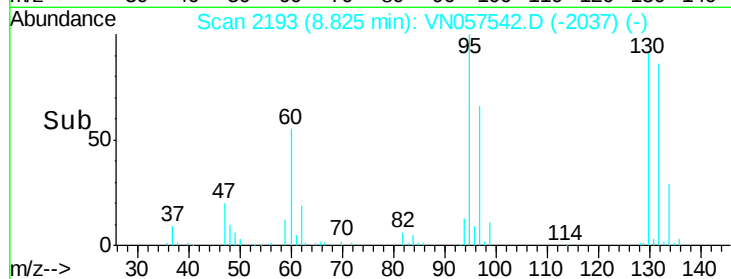
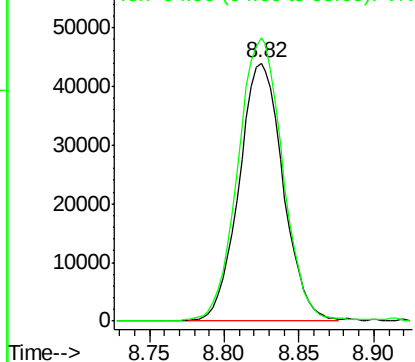
#37
 Trichloroethene
 Concen: 19.947 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 90034
 Ion Ratio Lower Upper
 130 100
 95 109.1 86.4 129.6

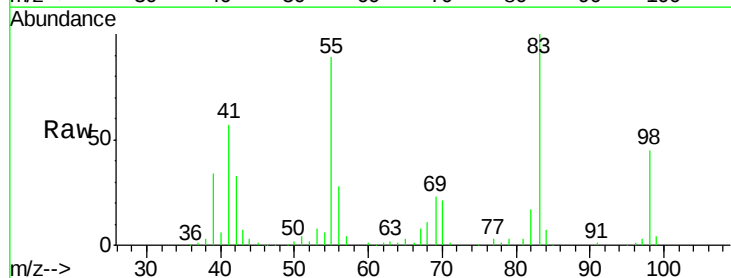


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

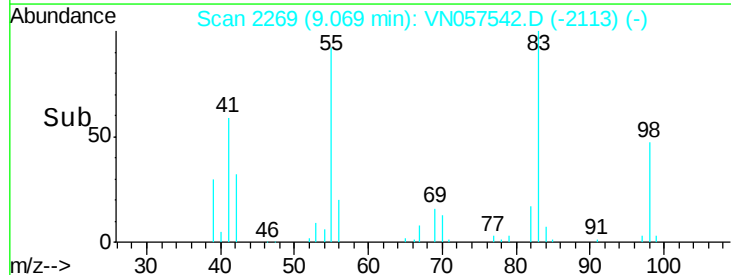
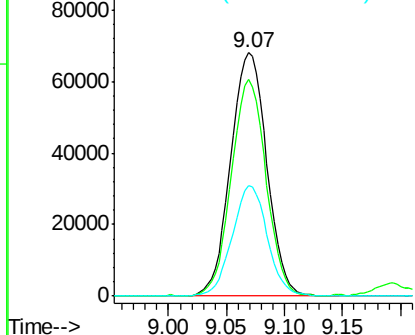


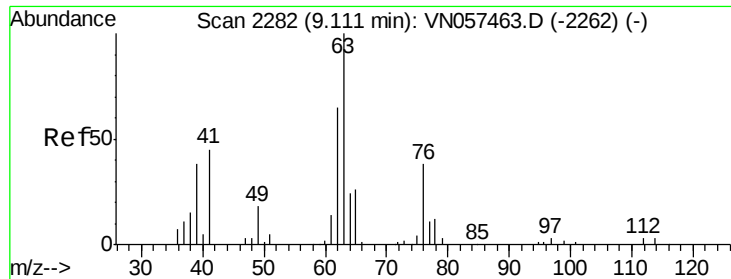
#38
 Methylcyclohexane
 Concen: 19.501 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 83 Resp: 147258
 Ion Ratio Lower Upper
 83 100
 55 85.4 43.3 129.8
 98 44.1 22.8 68.4



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

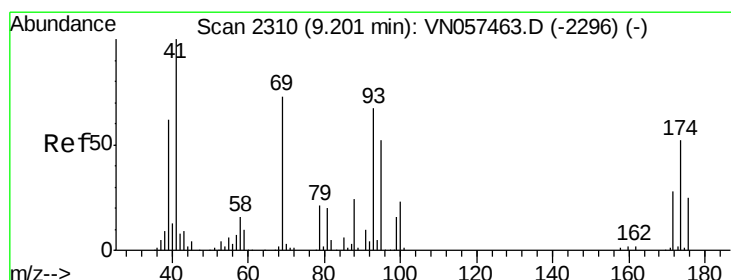
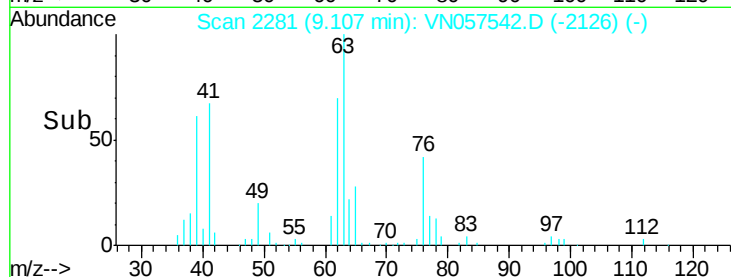
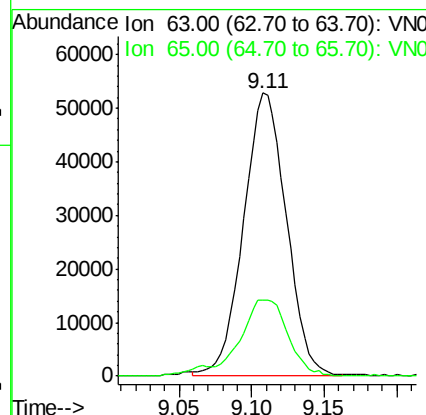
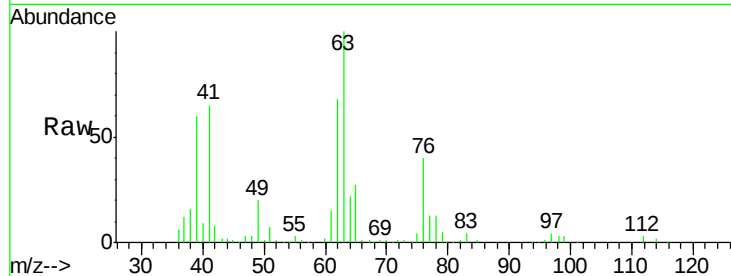




#39
 1,2-Dichloropropane
 Concen: 19.320 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

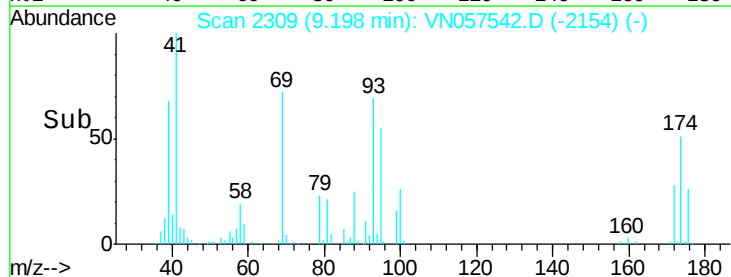
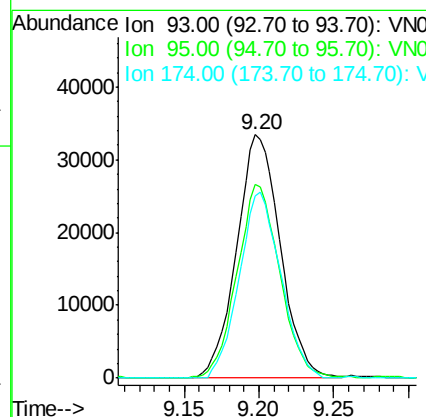
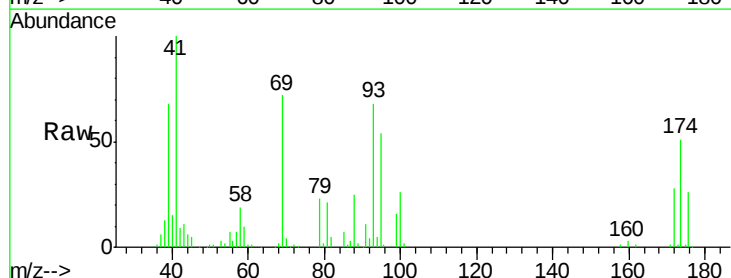
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

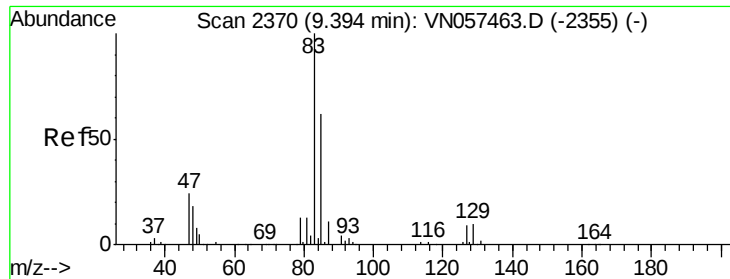
Tot Ion: 63 Resp: 108683
 Ion Ratio Lower Upper
 63 100
 65 27.1 21.6 32.4



#40
 Dibromomethane
 Concen: 19.783 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 93 Resp: 68013
 Ion Ratio Lower Upper
 93 100
 95 77.7 0.0 160.8
 174 72.7 0.0 157.2

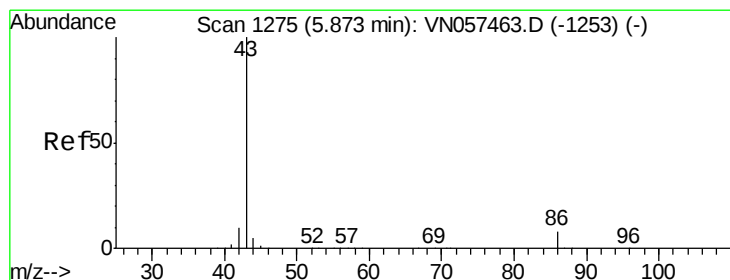
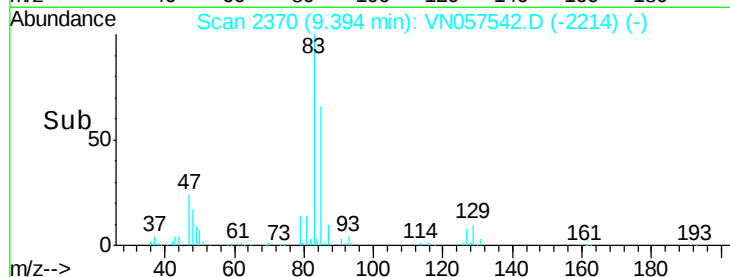
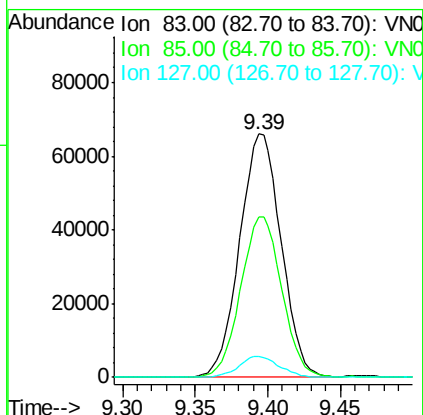
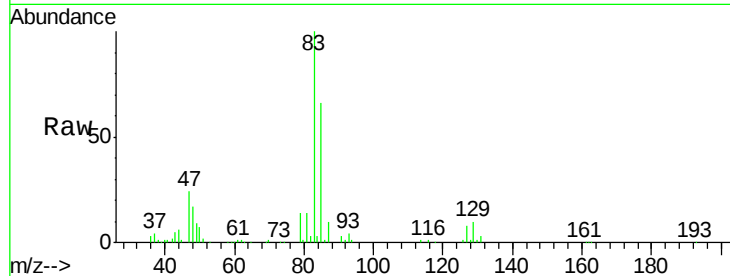




#41
 Bromodichloromethane
 Concen: 18.024 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

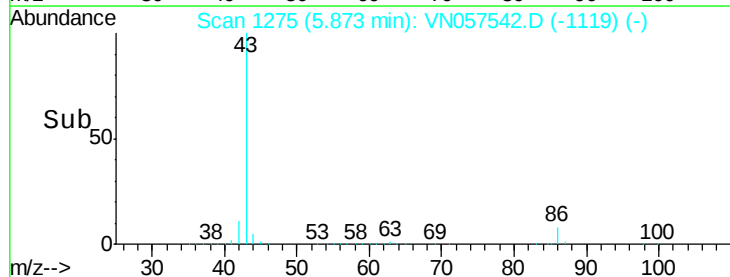
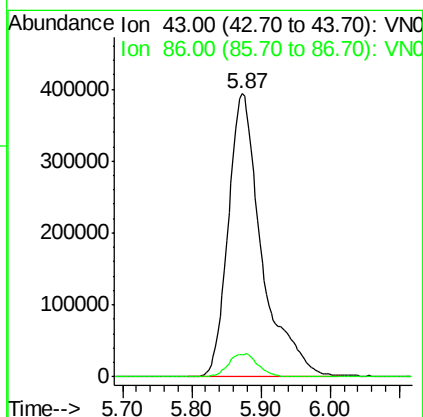
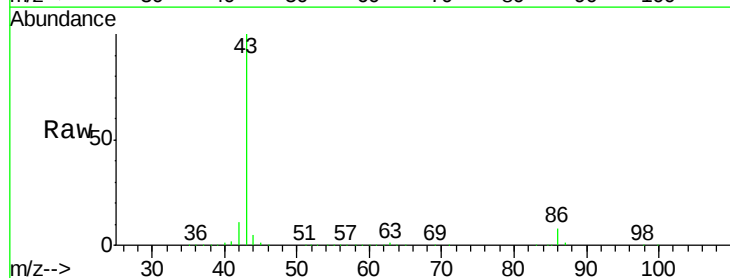
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

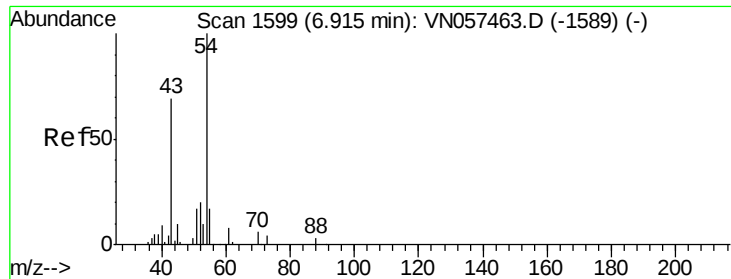
Tot Ion: 83 Resp: 131420
 Ion Ratio Lower Upper
 83 100
 85 65.7 49.8 74.8
 127 8.5 7.6 11.4



#42
 Vinyl Acetate
 Concen: 91.531 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 43 Resp: 1324921
 Ion Ratio Lower Upper
 43 100
 86 7.2 5.7 8.5

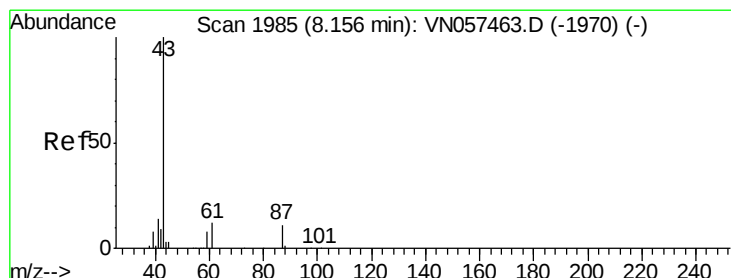
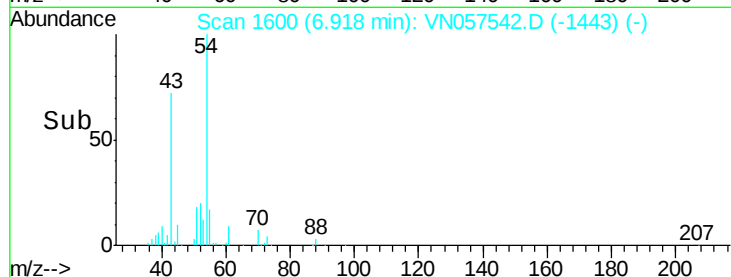
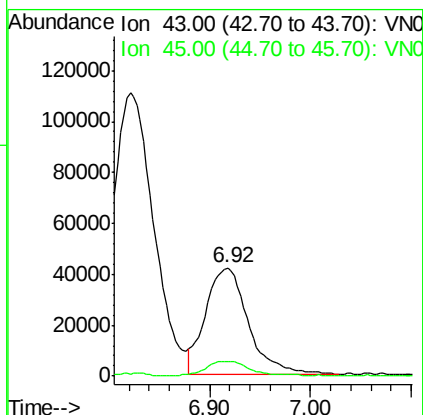
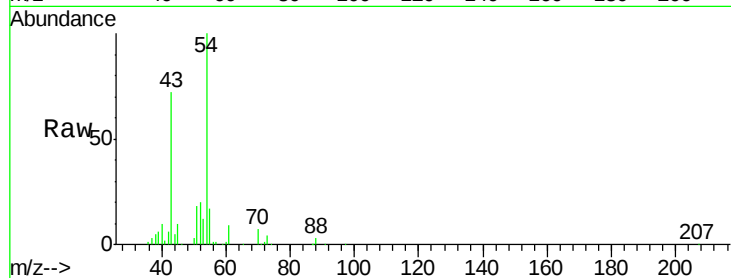




#43
Ethyl Acetate
Concen: 19.429 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

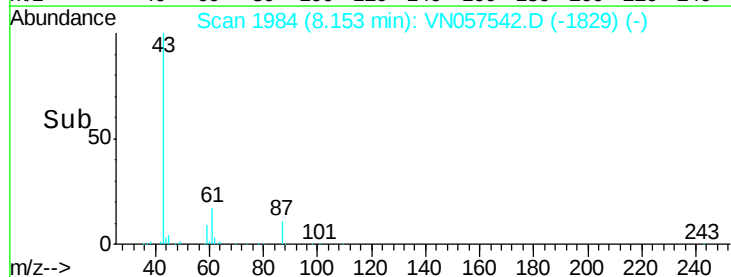
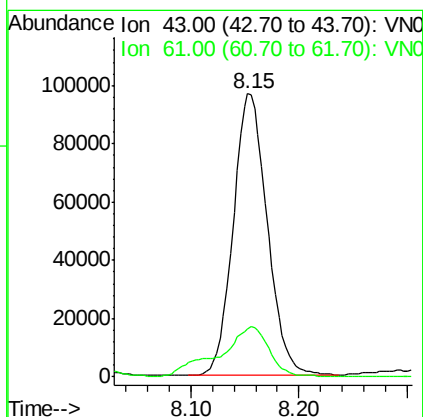
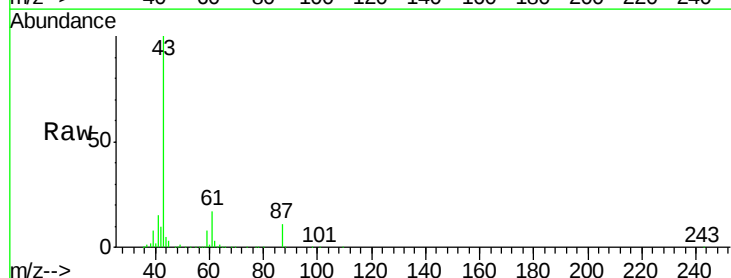
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

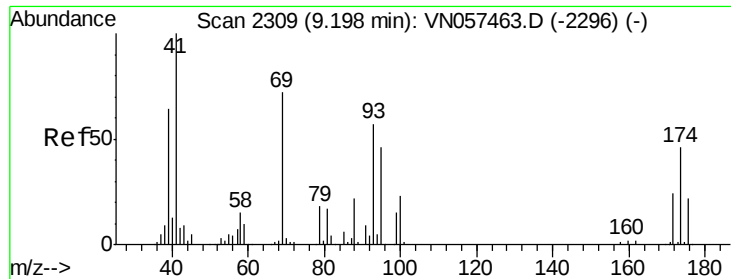
Tot Ion: 43 Resp: 122330
Ion Ratio Lower Upper
43 100
45 12.8 11.0 16.4



#44
Isopropyl Acetate
Concen: 17.785 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 43 Resp: 213761
Ion Ratio Lower Upper
43 100
61 18.3 0.1 0.1#

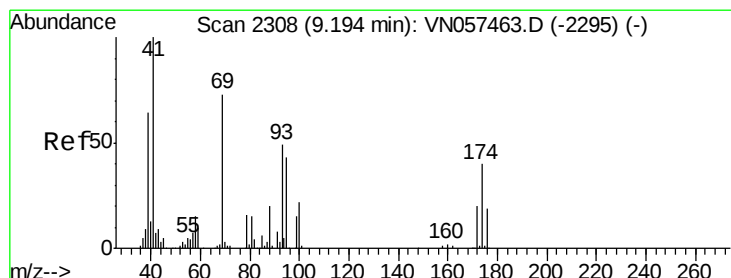
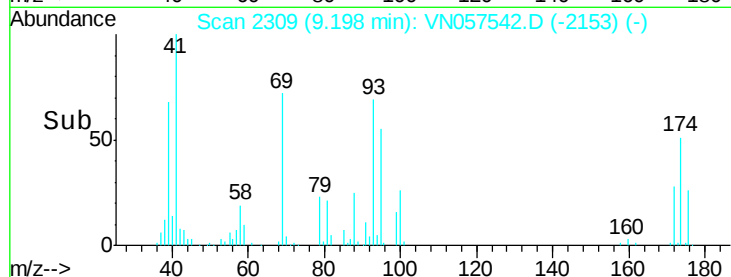
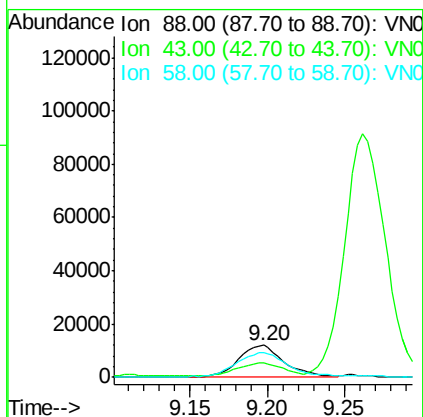
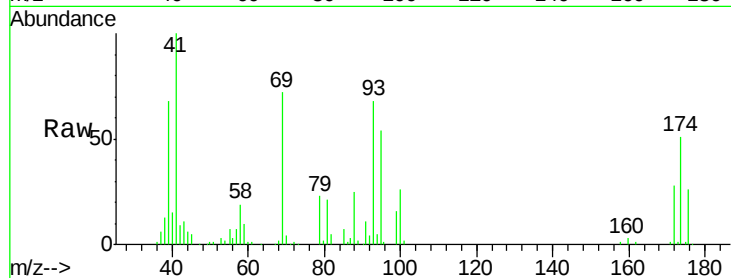




#45
 1,4-Dioxane
 Concen: 350.636 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

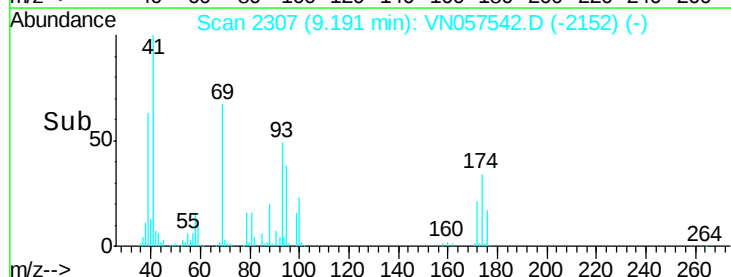
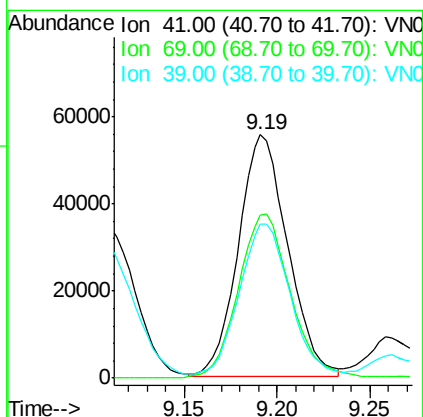
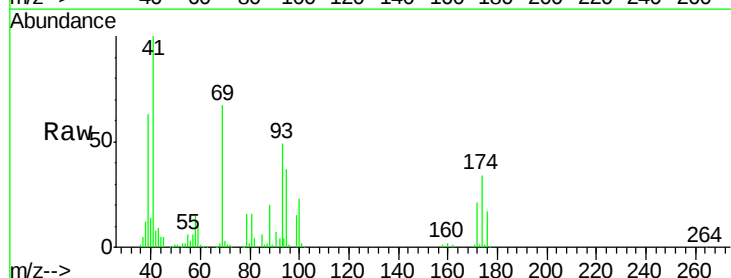
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

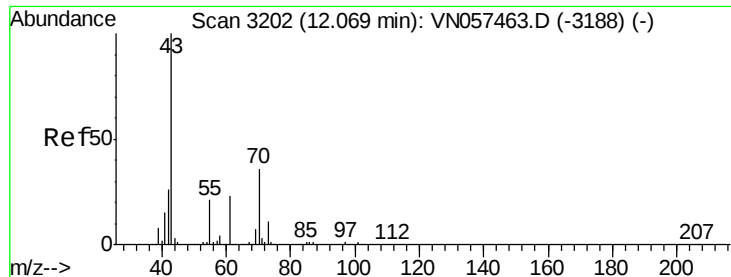
Tot Ion: 88 Resp: 25331
 Ion Ratio Lower Upper
 88 100
 43 37.7 29.8 44.6
 58 81.7 62.2 93.2



#46
 Methyl methacrylate
 Concen: 17.959 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 41 Resp: 102506
 Ion Ratio Lower Upper
 41 100
 69 67.3 36.5 109.5
 39 62.5 32.1 96.3





#47

n-amyl Acetate

Concen: 17.457 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

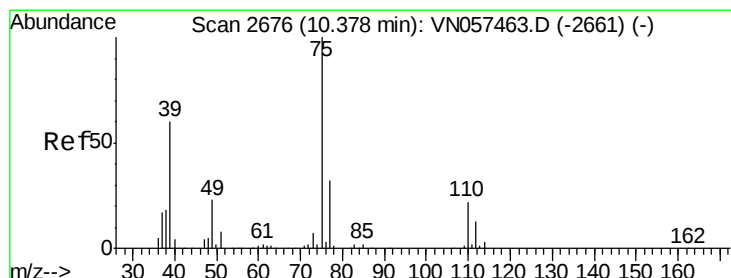
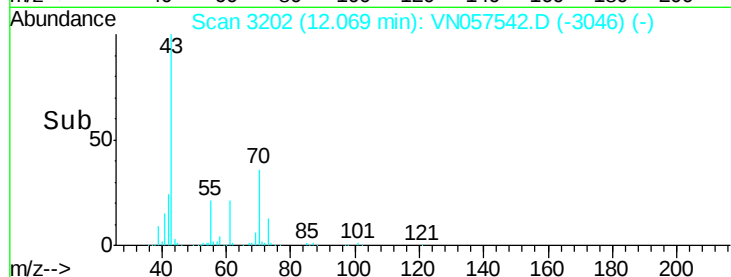
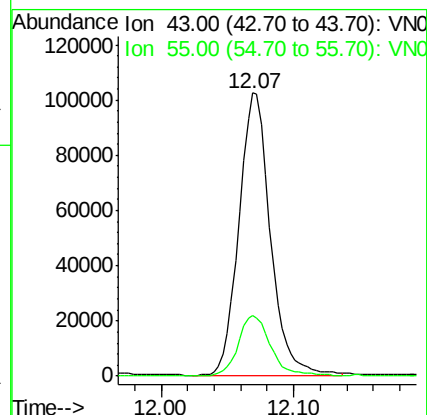
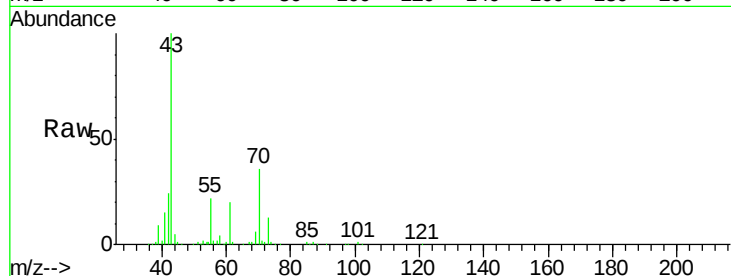
VSTDCCC020

Tot Ion: 43 Resp: 168867

Ion Ratio Lower Upper

43 100

55 22.3 17.0 25.6



#48

t-1,3-Dichloropropene

Concen: 17.961 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057542.D

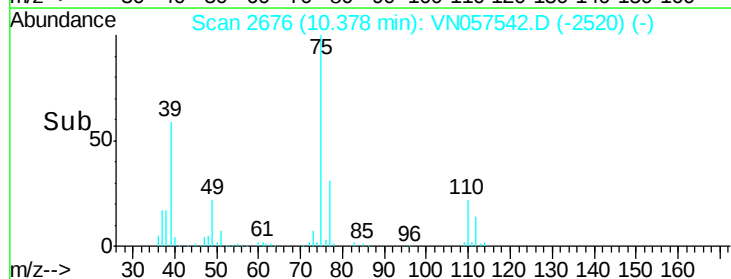
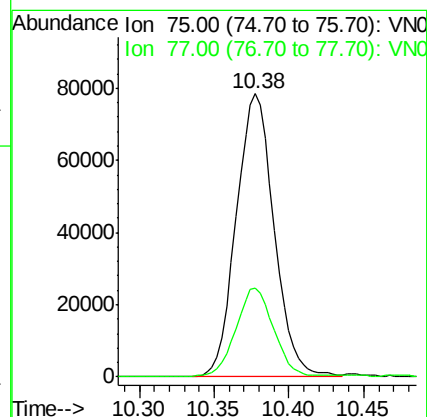
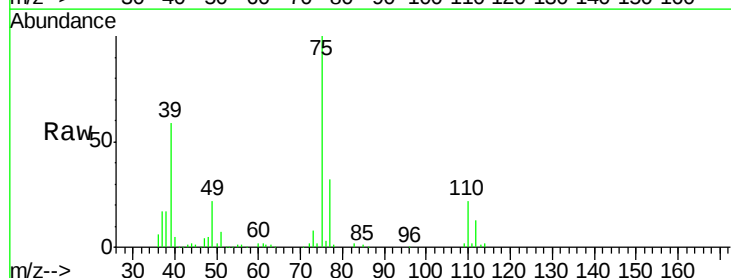
Acq: 27 Aug 2019 9:13

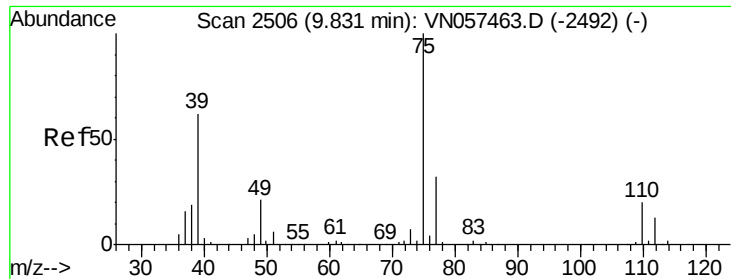
Tgt Ion: 75 Resp: 138354

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

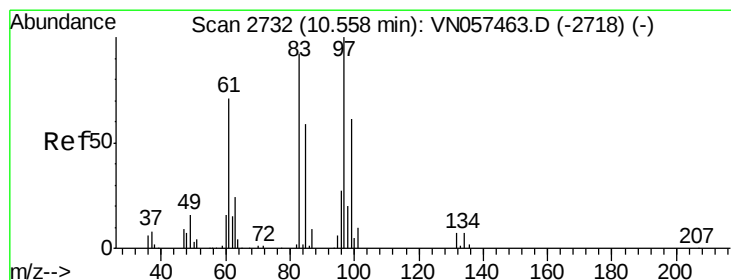
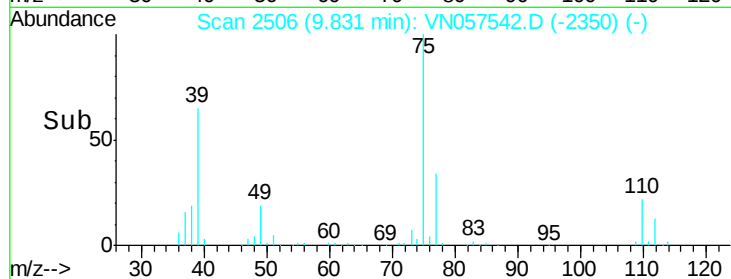
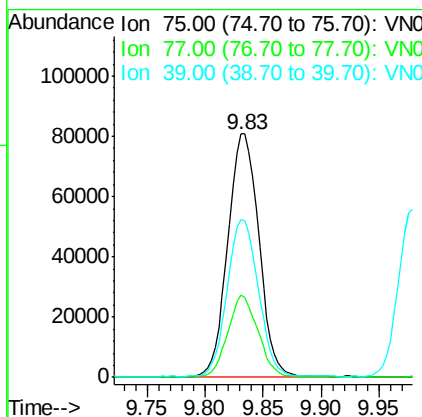
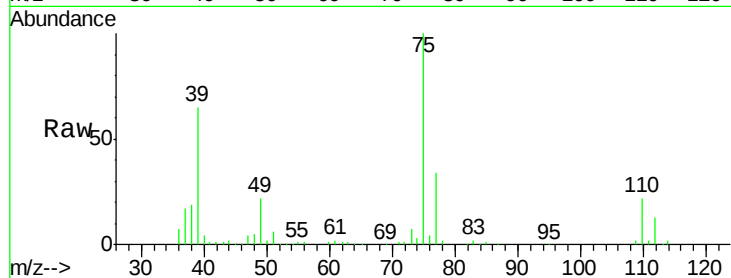




#49
 cis-1,3-Dichloropropene
 Concen: 17.804 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

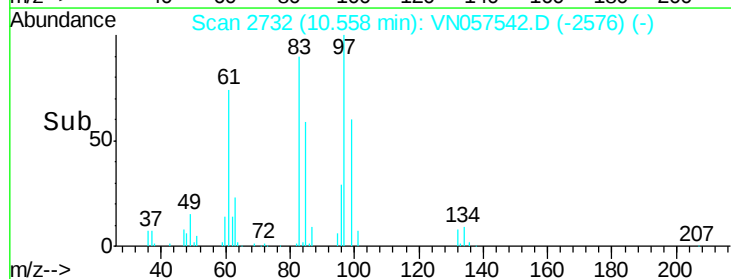
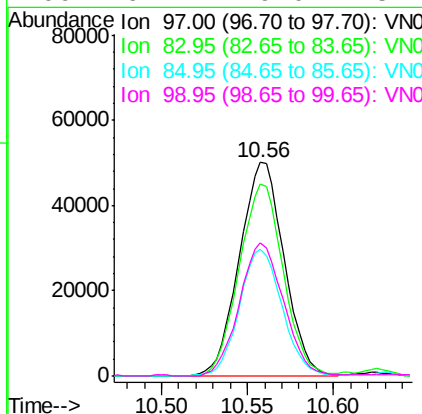
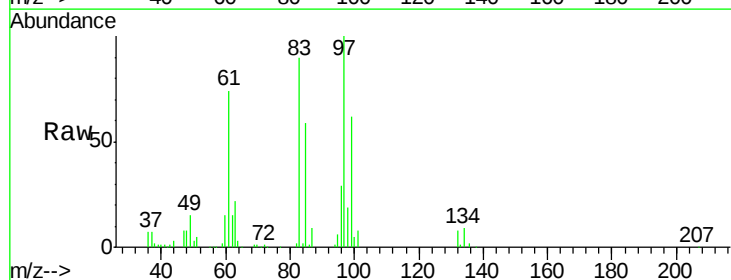
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

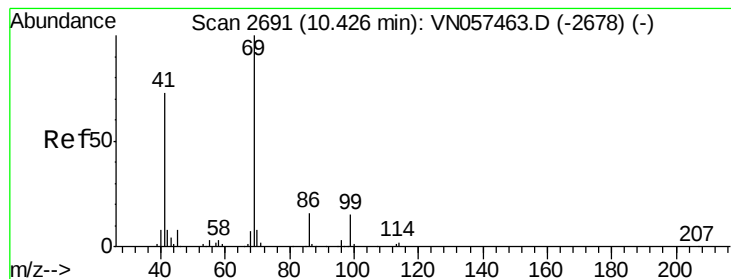
Tot Ion: 75 Resp: 150730
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.4 38.0
 39 64.7 49.8 74.6



#50
 1,1,2-Trichloroethane
 Concen: 20.052 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 97 Resp: 90398
 Ion Ratio Lower Upper
 97 100
 83 89.4 73.2 109.8
 85 59.2 47.1 70.7
 99 62.1 49.0 73.4





#51

Ethyl methacrylate

Concen: 18.014 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

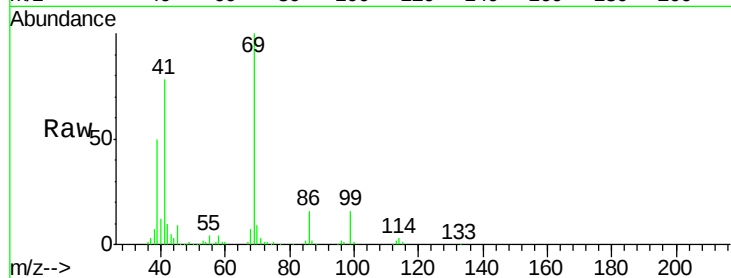
Tot Ion: 69 Resp: 134994

Ion Ratio Lower Upper

69 100

41 77.7 37.0 111.1

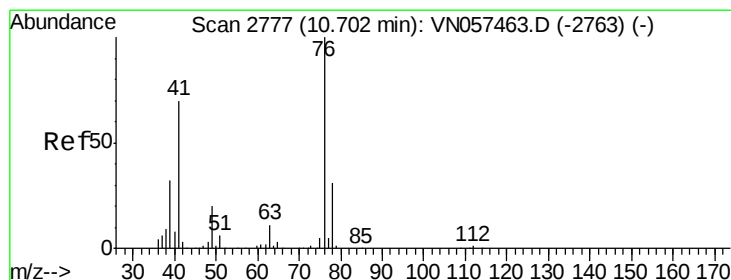
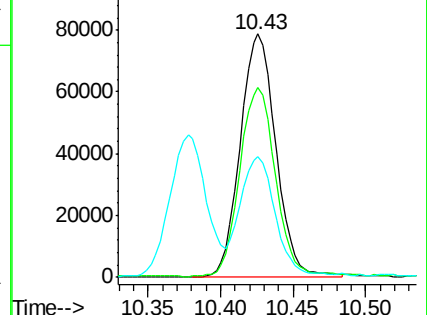
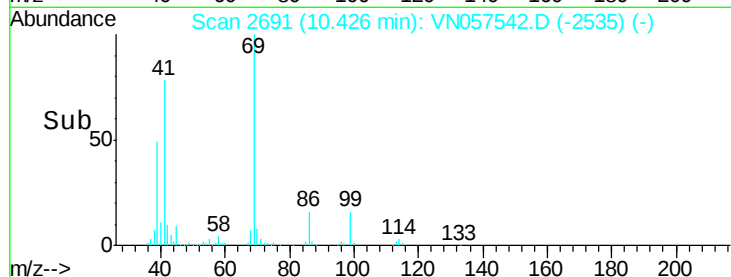
39 47.8 24.4 73.4



Abundance Ion 69.00 (68.70 to 69.70): VN057542.D (-2535) (-)

Ion 41.00 (40.70 to 41.70): VN057542.D (-2535) (-)

Ion 39.00 (38.70 to 39.70): VN057542.D (-2535) (-)



#52

1,3-Dichloropropane

Concen: 19.155 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057542.D

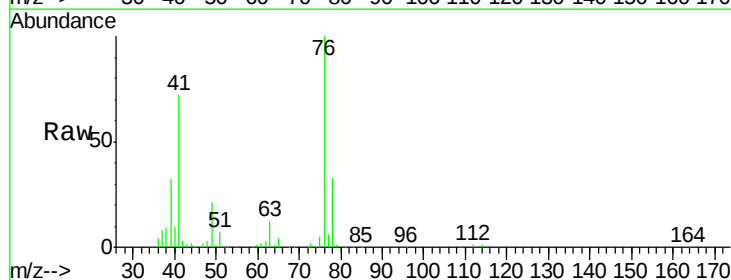
Acq: 27 Aug 2019 9:13

Tgt Ion: 76 Resp: 157433

Ion Ratio Lower Upper

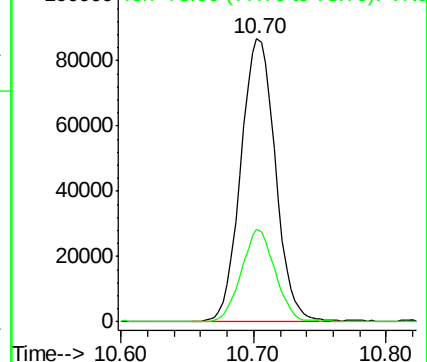
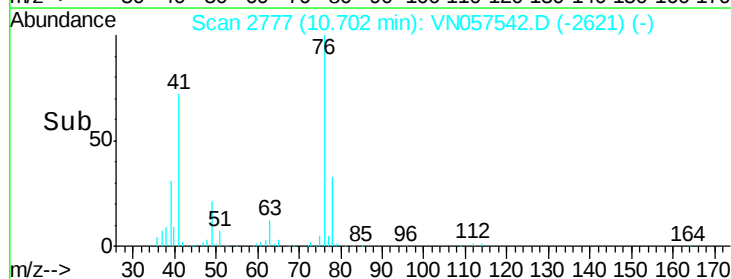
76 100

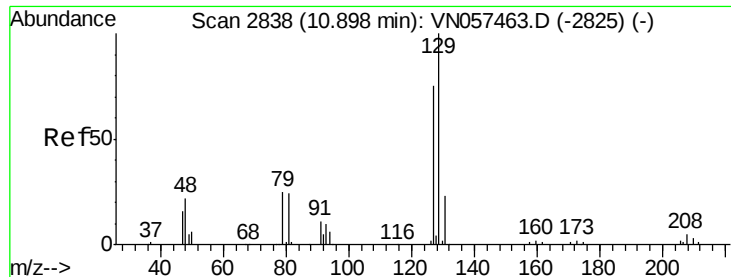
78 31.7 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN057542.D (-2621) (-)

Ion 78.00 (77.70 to 78.70): VN057542.D (-2621) (-)

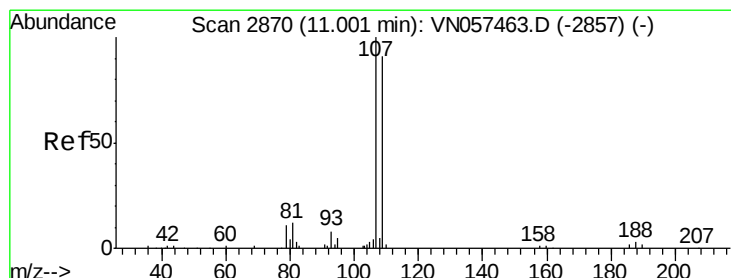
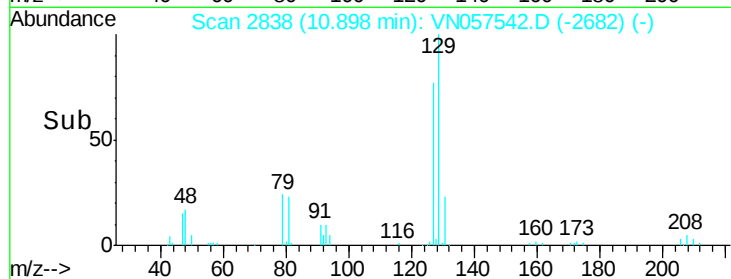
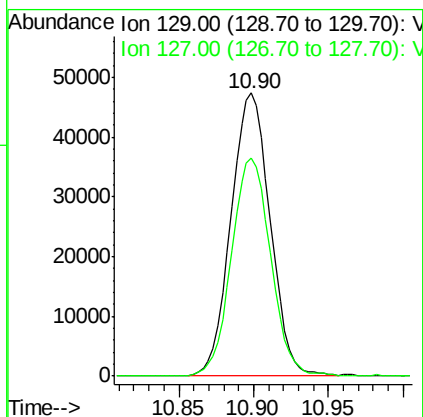
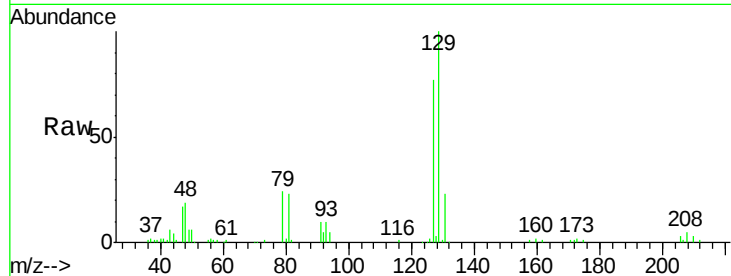




#53
Dibromochloromethane
Concen: 17.996 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

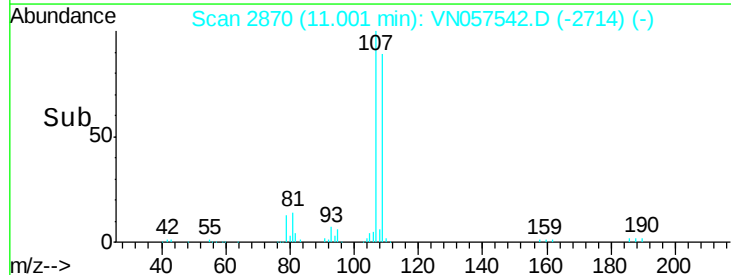
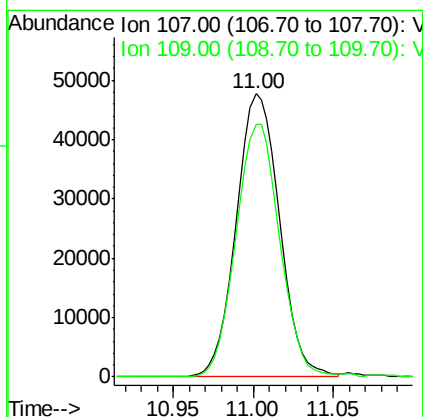
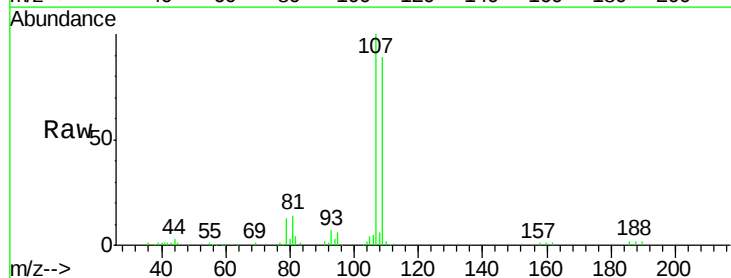
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

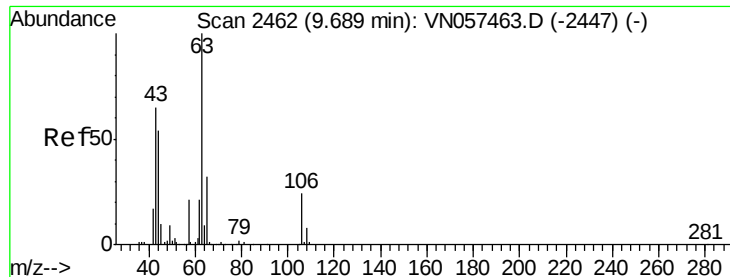
Tot Ion:129 Resp: 86488
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3



#54
1,2-Dibromoethane
Concen: 19.119 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion:107 Resp: 88190
Ion Ratio Lower Upper
107 100
109 90.3 73.2 109.8

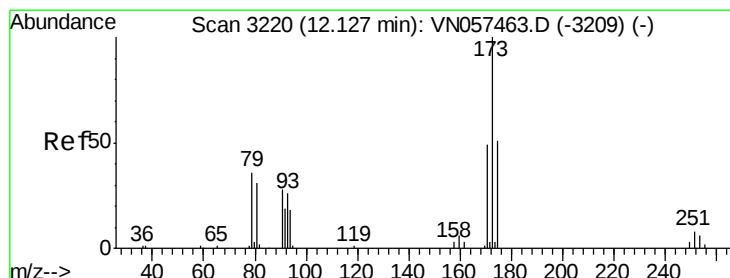
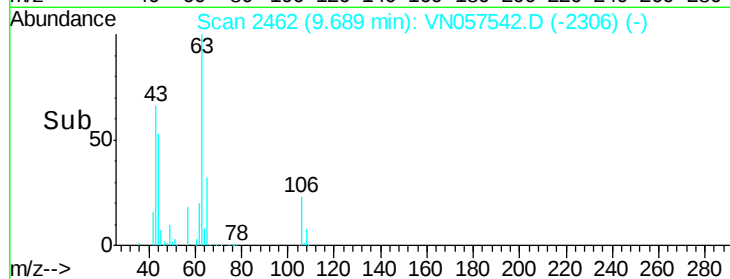
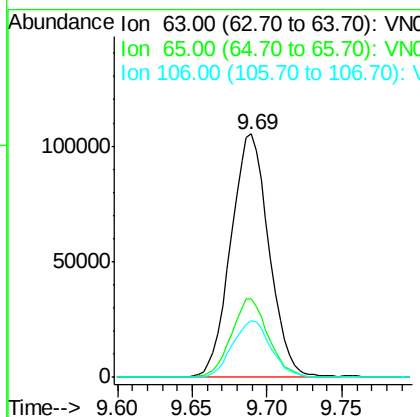
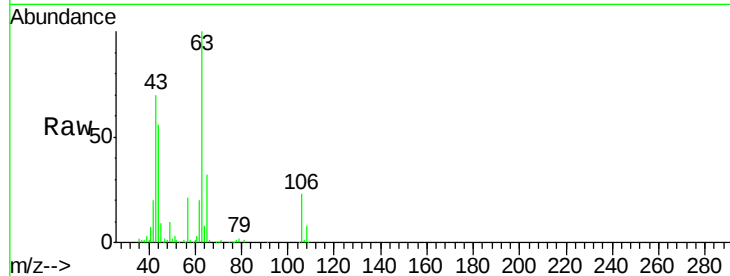




#55
 2-Chloroethyl vinyl ether
 Concen: 101.122 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

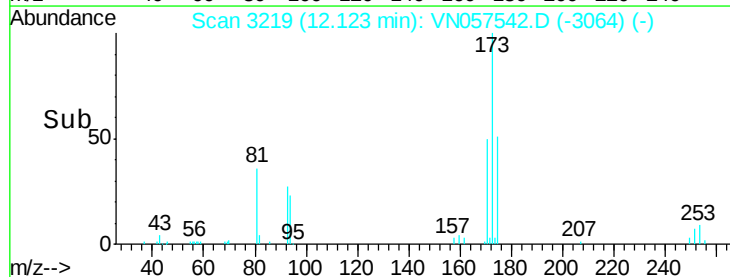
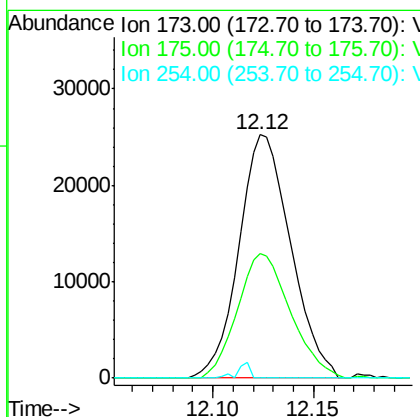
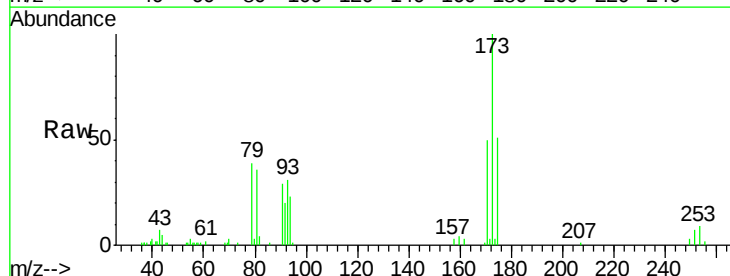
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

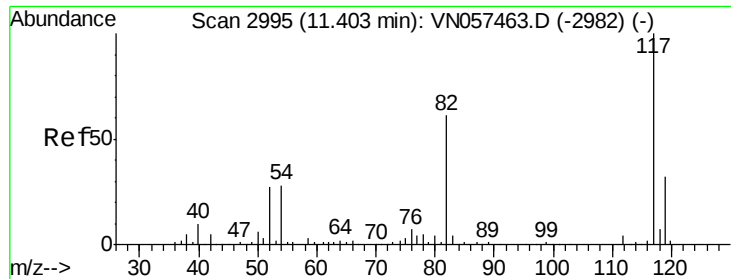
Tot Ion: 63 Resp: 186799
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.1 37.7
 106 23.3 18.7 28.1



#56
 Bromoform
 Concen: 15.809 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion: 173 Resp: 45345
 Ion Ratio Lower Upper
 173 100
 175 52.2 40.1 60.1
 254 1.2 0.0 0.0#

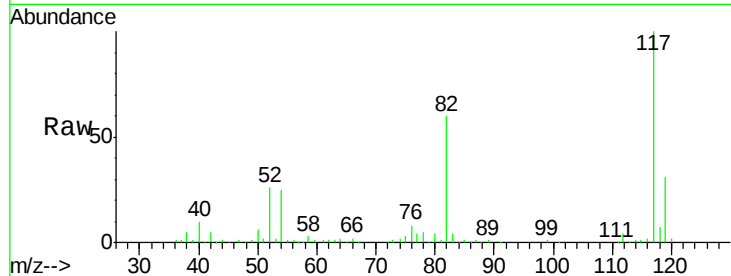




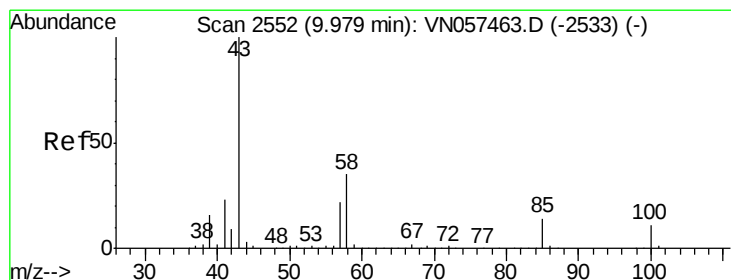
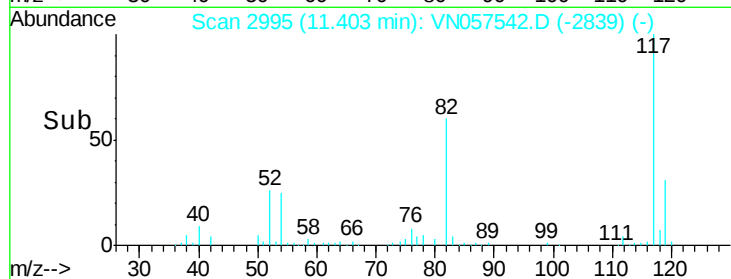
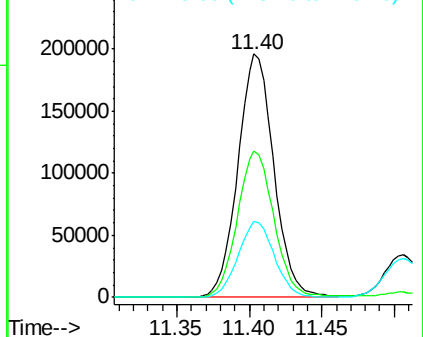
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:117 Resp: 338005
Ion Ratio Lower Upper
117 100
82 61.3 50.4 75.6
119 31.5 25.4 38.2

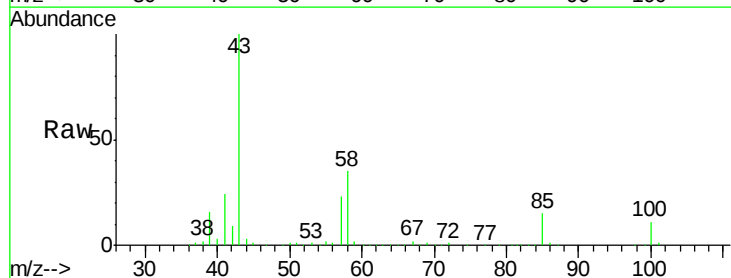


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

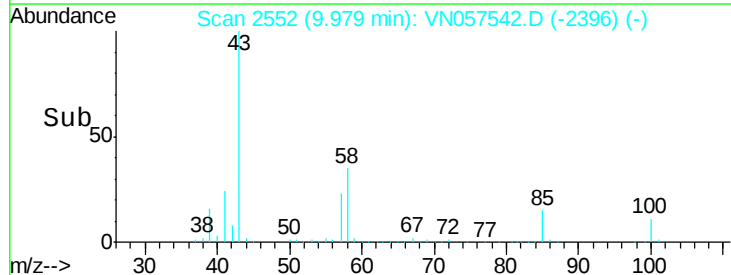
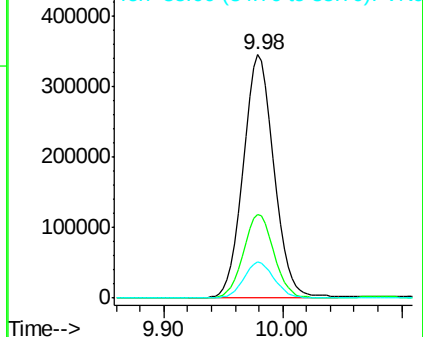


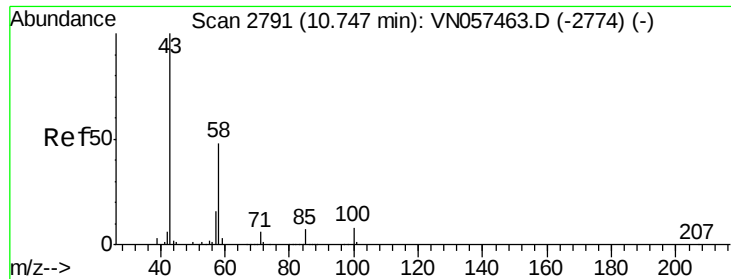
#58
4-Methyl-2-Pentanone
Concen: 93.058 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 43 Resp: 617057
Ion Ratio Lower Upper
43 100
58 34.3 28.0 42.0
85 14.8 11.3 16.9



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

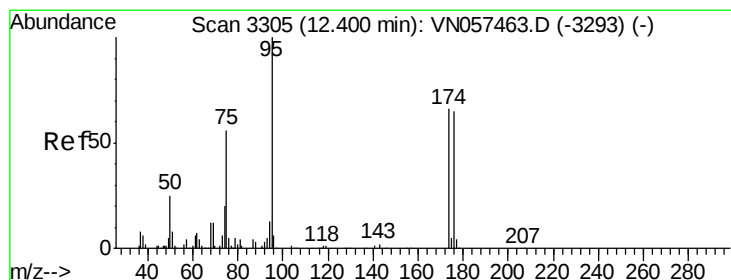
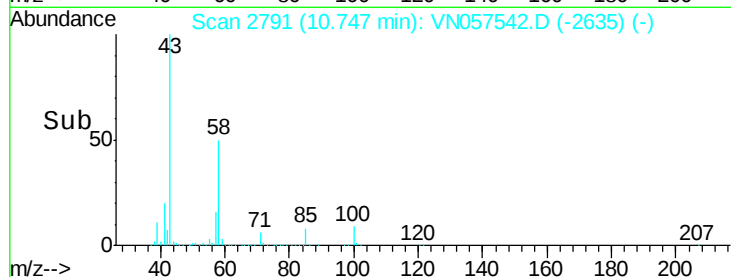
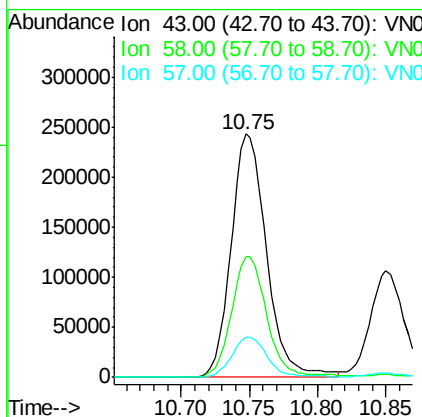
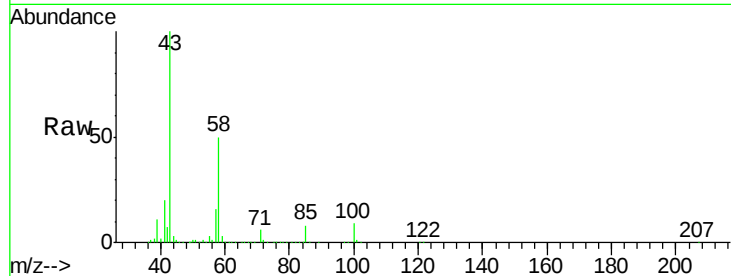




#59
2-Hexanone
Concen: 94.304 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

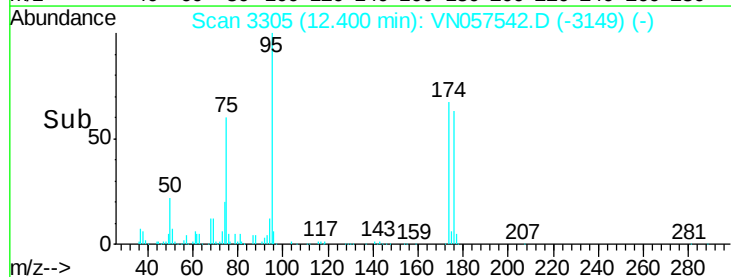
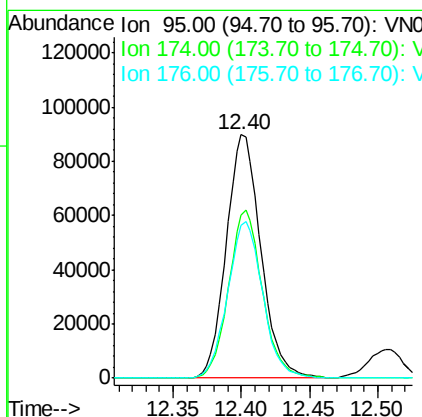
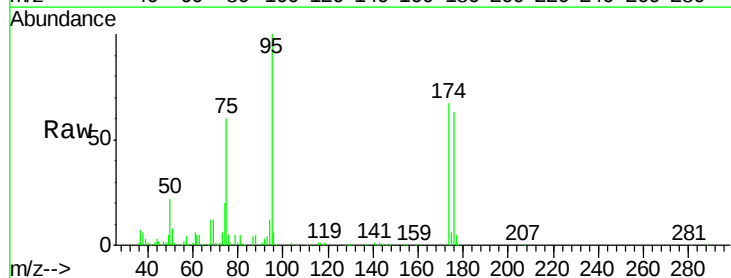
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

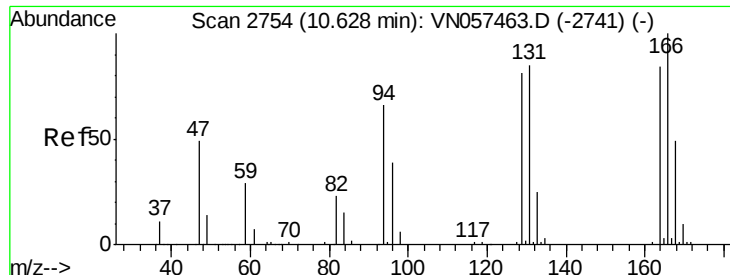
Tot Ion: 43 Resp: 433430
Ion Ratio Lower Upper
43 100
58 49.5 38.9 58.3
57 17.0 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 28.452 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion: 95 Resp: 158585
Ion Ratio Lower Upper
95 100
174 67.1 54.9 82.3
176 64.8 54.2 81.4





#61

Tetrachloroethene

Concen: 21.148 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 81977

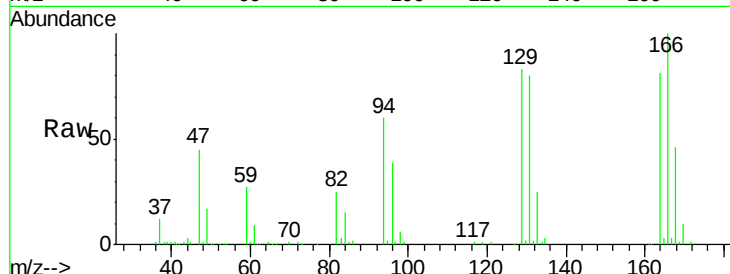
Ion Ratio Lower Upper

164 100

166 122.8 95.8 143.6

129 102.0 77.2 115.8

131 98.4 81.1 121.7

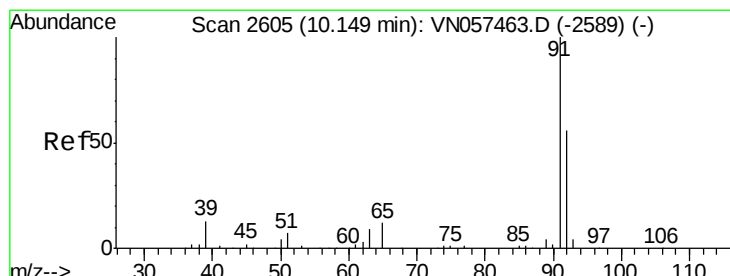
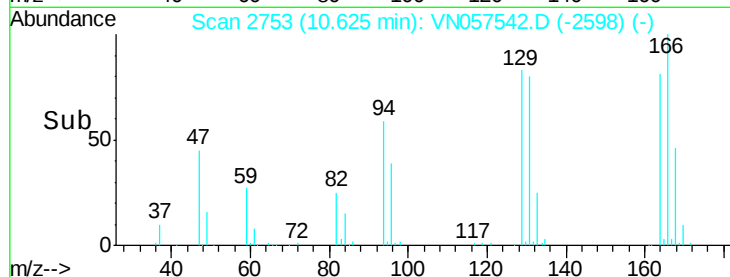
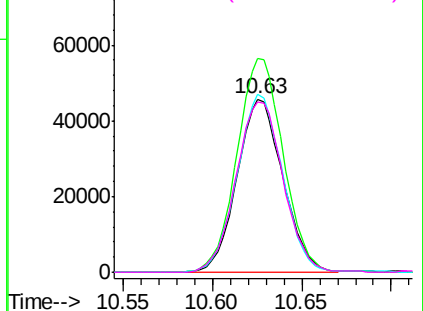


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.077 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057542.D

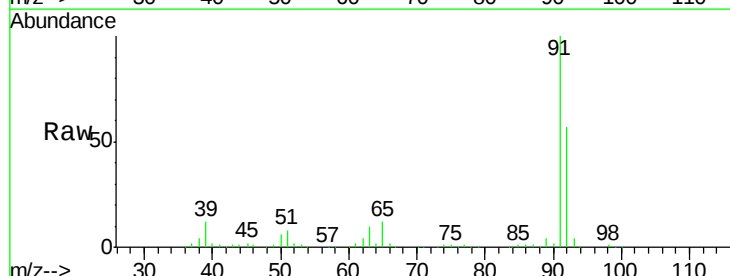
Acq: 27 Aug 2019 9:13

Tgt Ion: 91 Resp: 414743

Ion Ratio Lower Upper

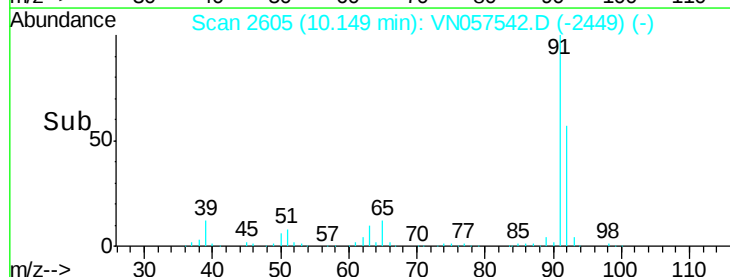
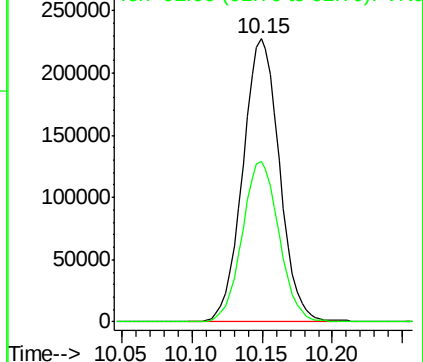
91 100

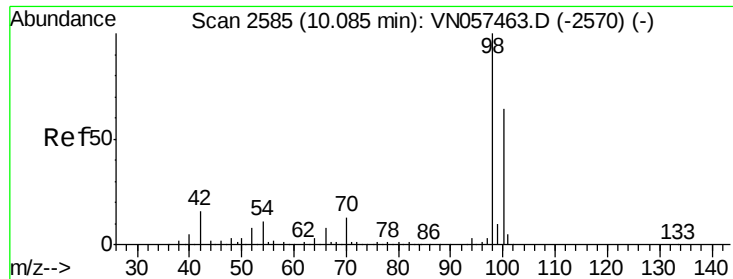
92 56.8 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.093 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

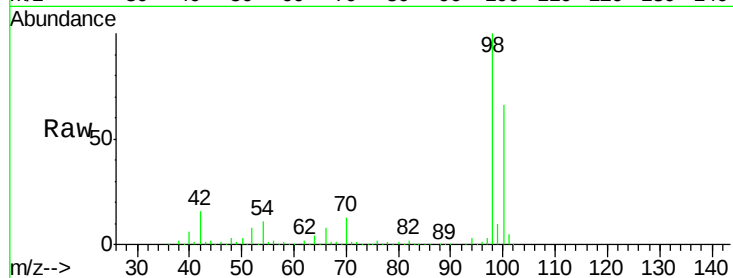
VSTDCCC020

Tot Ion: 98 Resp: 513664

Ion Ratio Lower Upper

98 100

100 64.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN057542.D (-2429) (-)

Ion 100.00 (99.70 to 100.70): VN057542.D (-2429) (-)

10.08

250000

200000

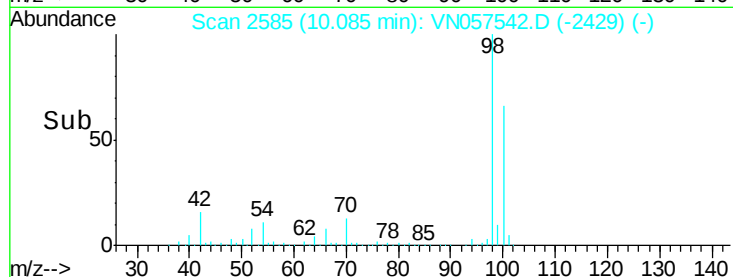
150000

100000

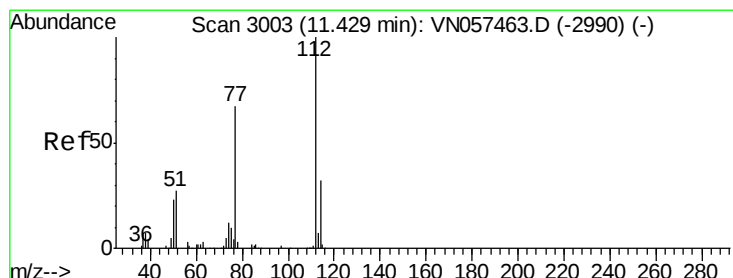
50000

0

Time-->



Time-->



#64

Chlorobenzene

Concen: 20.147 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057542.D

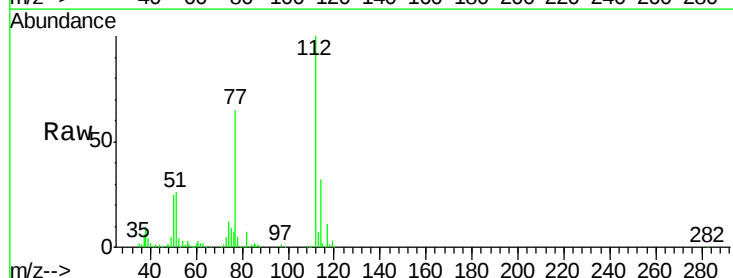
Acq: 27 Aug 2019 9:13

Tgt Ion: 112 Resp: 226264

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN057542.D (-2847) (-)

Ion 114.00 (113.70 to 114.70): VN057542.D (-2847) (-)

11.43

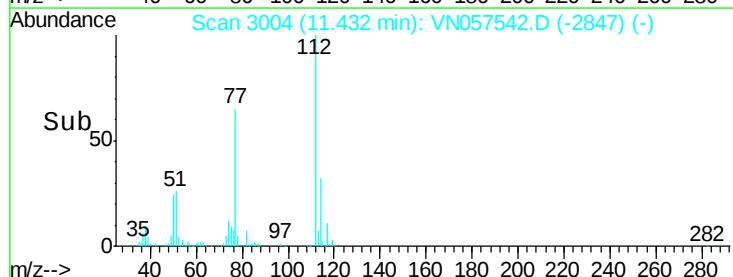
150000

100000

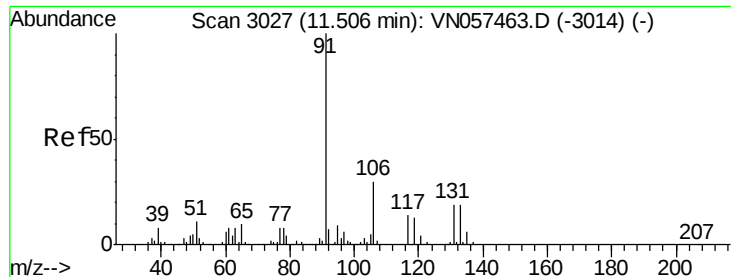
50000

0

Time-->



Time-->



#65

1,1,1,2-Tetrachloroethane

Concen: 19.611 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

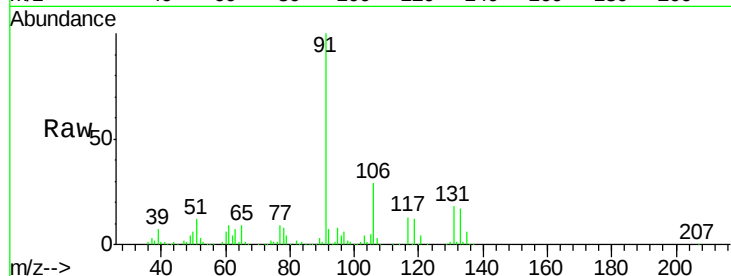
Tot Ion:131 Resp: 83702

Ion Ratio Lower Upper

131 100

133 92.7 0.0 193.6

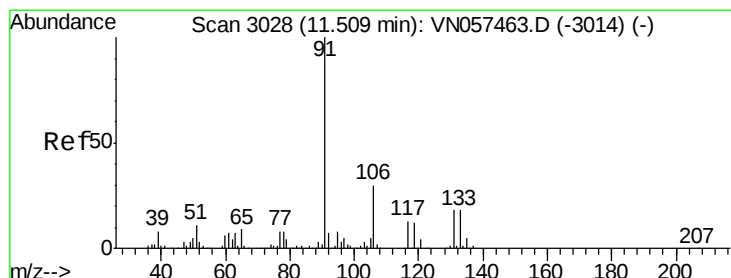
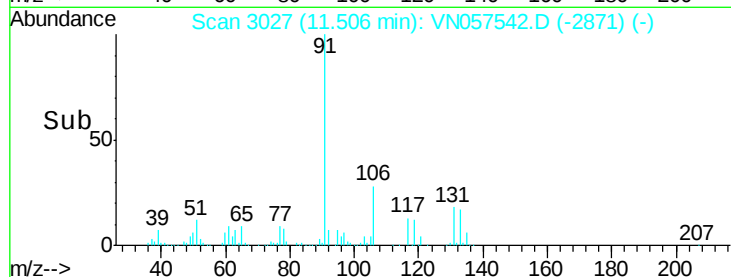
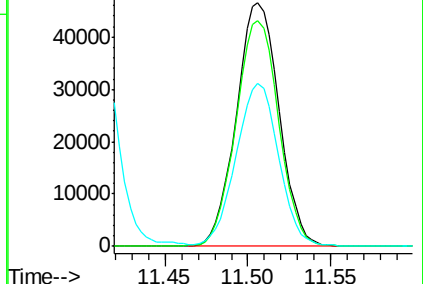
119 66.5 0.0 137.4



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: 20.240 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057542.D

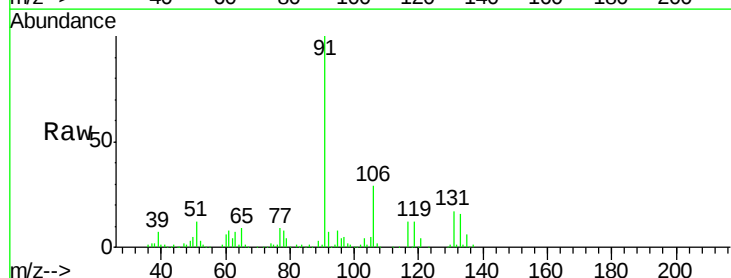
Acq: 27 Aug 2019 9:13

Tgt Ion: 91 Resp: 447481

Ion Ratio Lower Upper

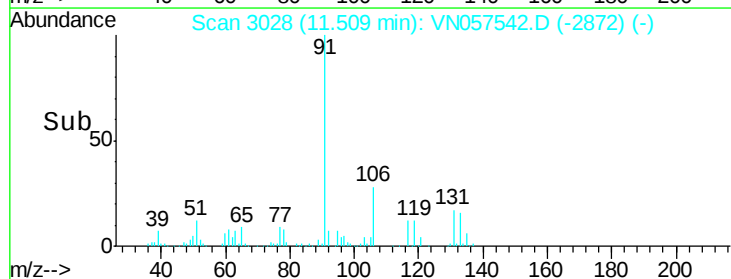
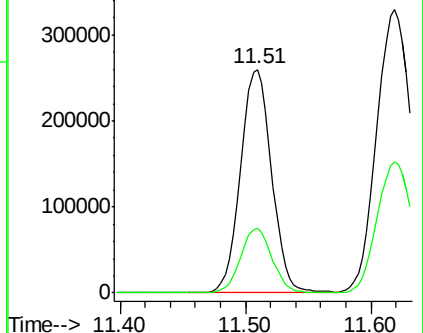
91 100

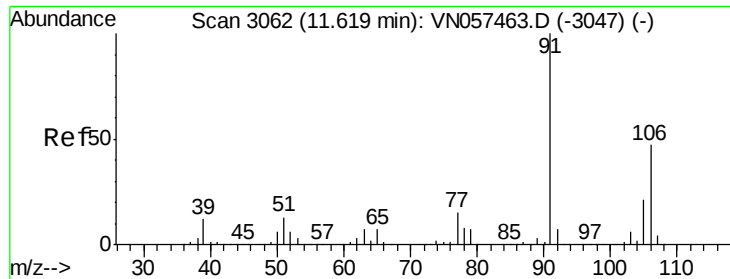
106 29.0 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

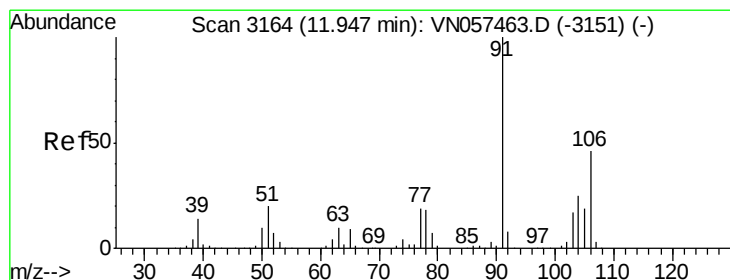
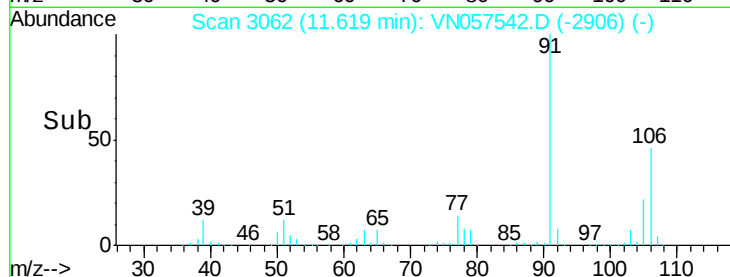
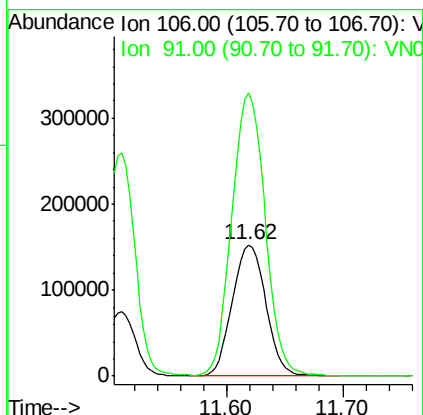
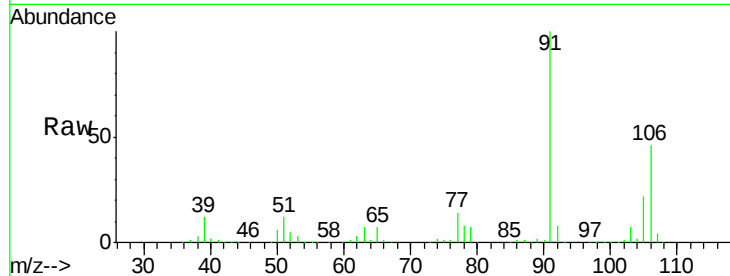




#67
m/p-Xylenes
Concen: 39.865 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

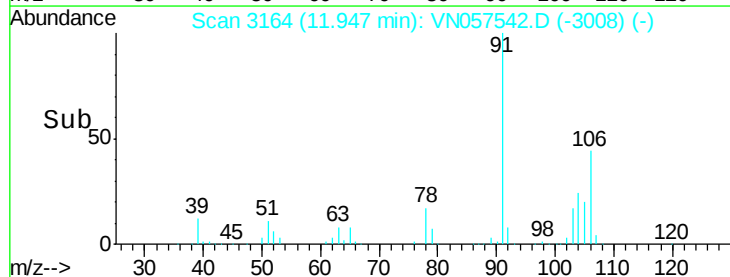
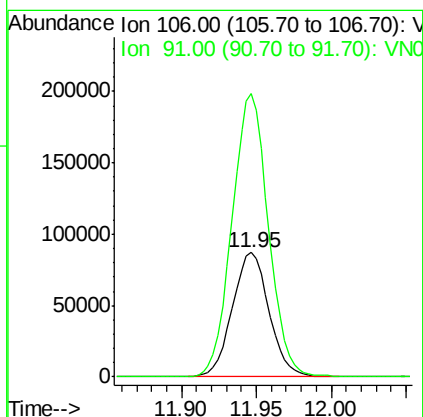
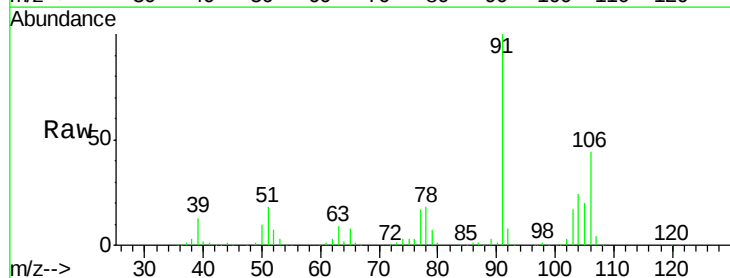
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

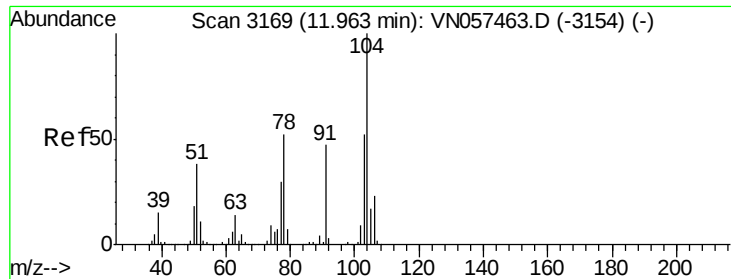
Tot Ion:106 Resp: 305696
Ion Ratio Lower Upper
106 100
91 212.9 172.9 259.3



#68
o-Xylene
Concen: 19.670 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion:106 Resp: 149060
Ion Ratio Lower Upper
106 100
91 225.3 111.1 333.4

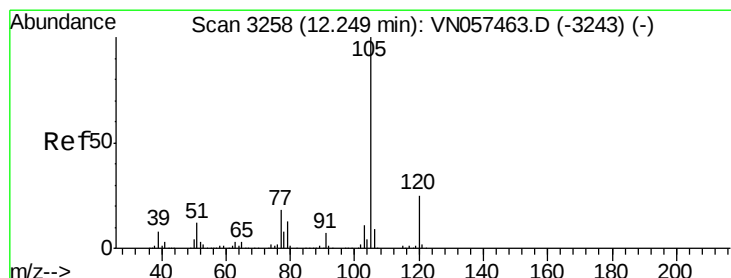
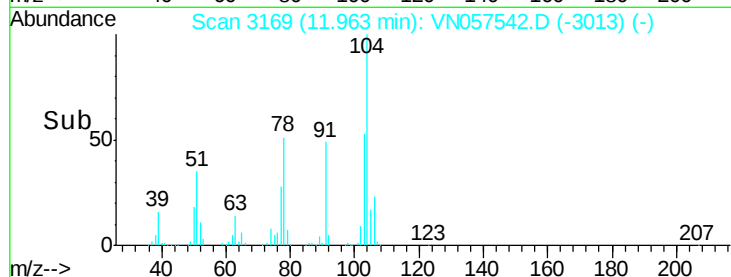
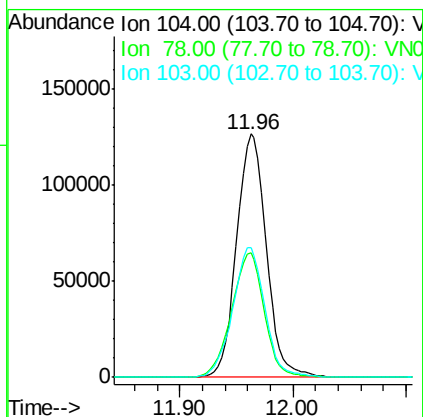
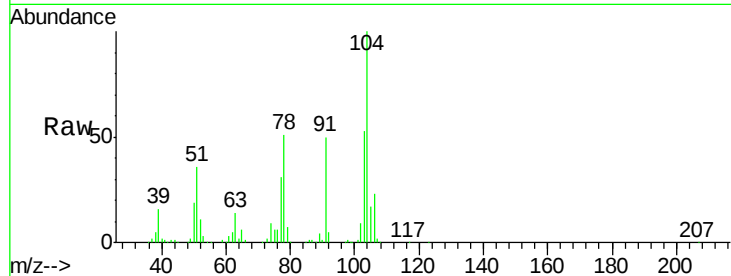




#69
Stvrene
Concen: 19.180 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

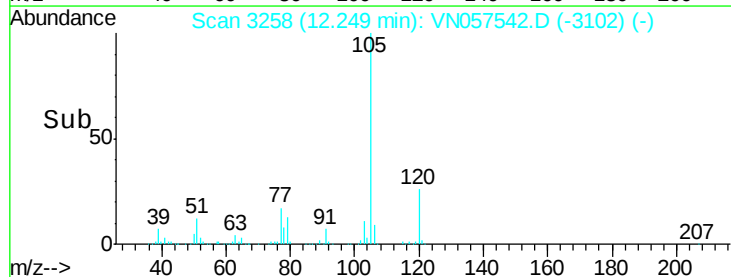
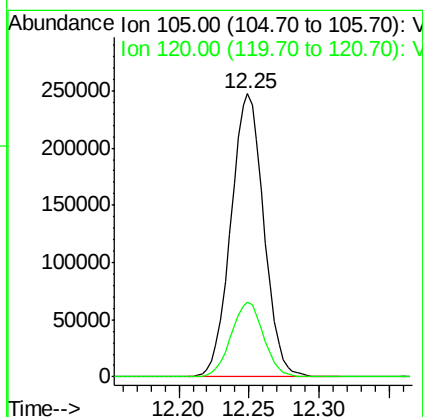
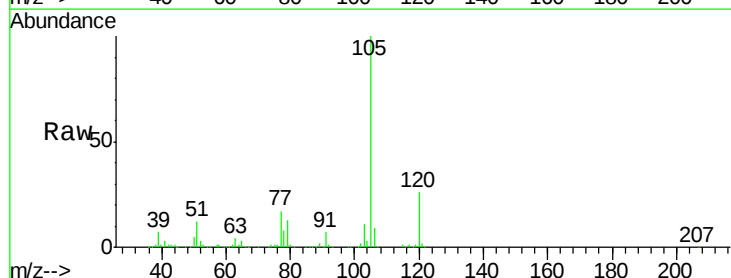
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

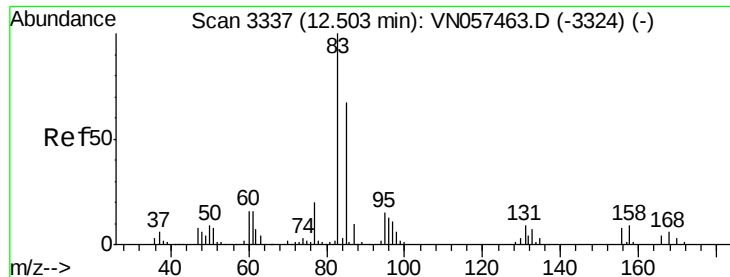
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.9	46.5	69.7
103	57.7	45.9	68.9



#70
Isopropylbenzene
Concen: 19.916 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	17.8	33.1

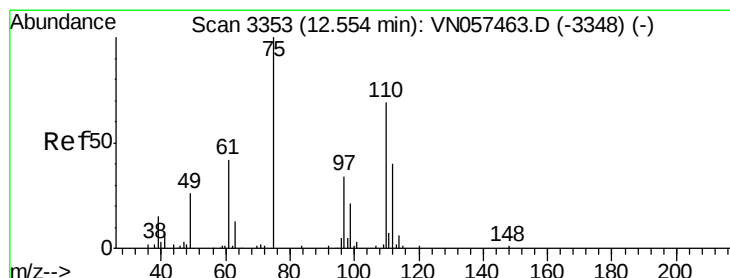
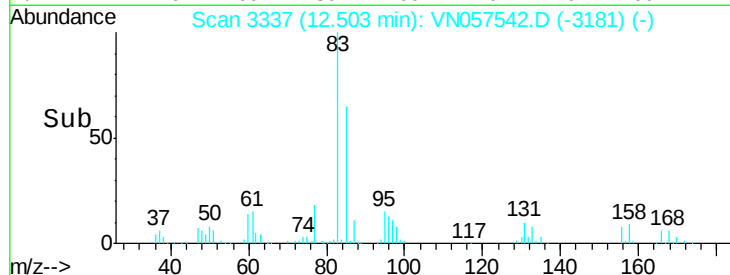
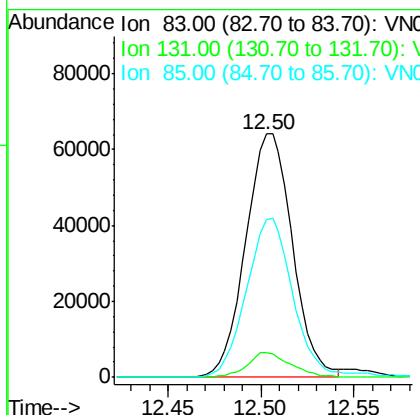
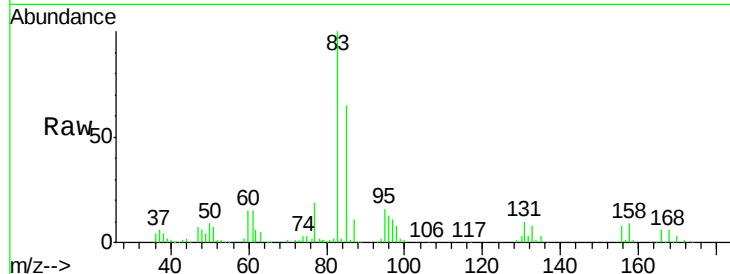




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.158 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

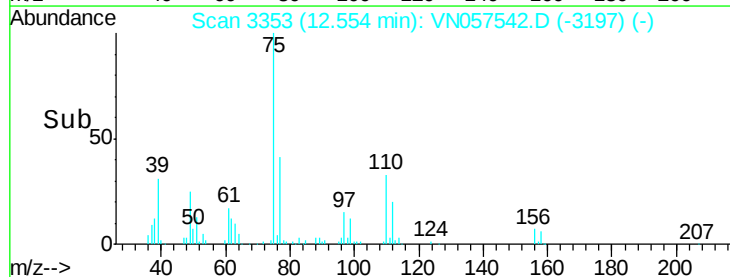
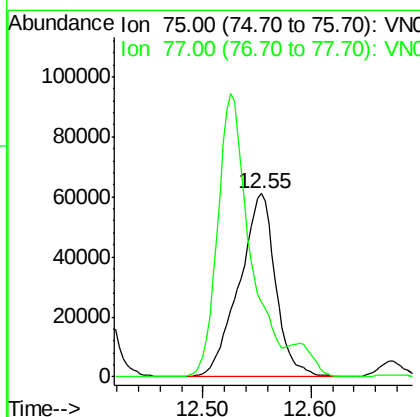
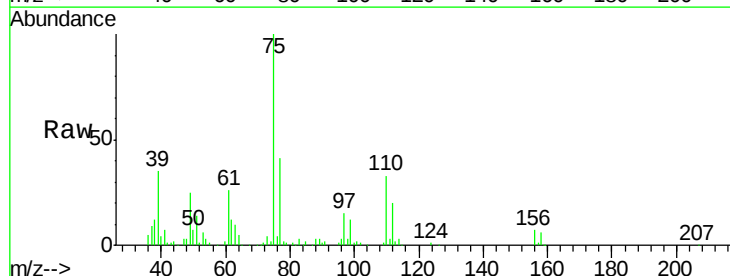
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

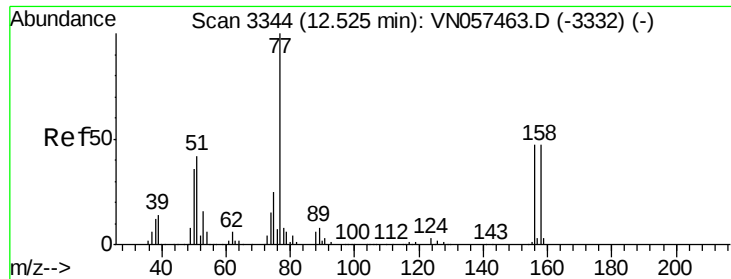
Tot Ion	83	Resp	112317
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.1
85	64.7	33.1	99.2



#72
 1,2,3-Trichloropropane
 Concen: 26.919 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	75	Resp	143258
Ion Ratio	Lower	Upper	
75	100		
77	136.6	0.0	380.2





#73

Bromobenzene

Concen: 19.609 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

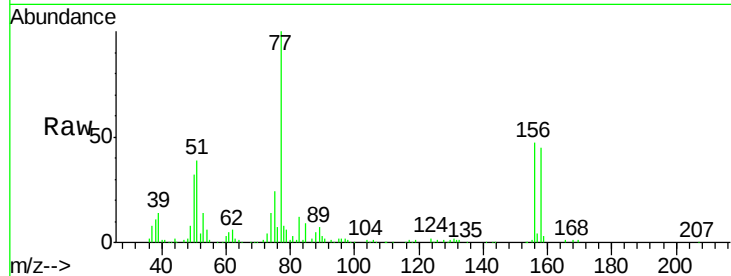
Tot Ion:156 Resp: 80462

Ion Ratio Lower Upper

156 100

77 243.2 0.0 506.8

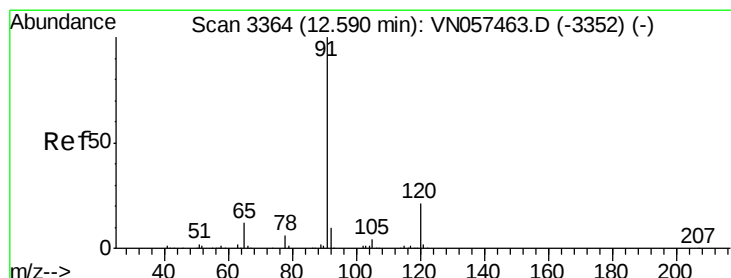
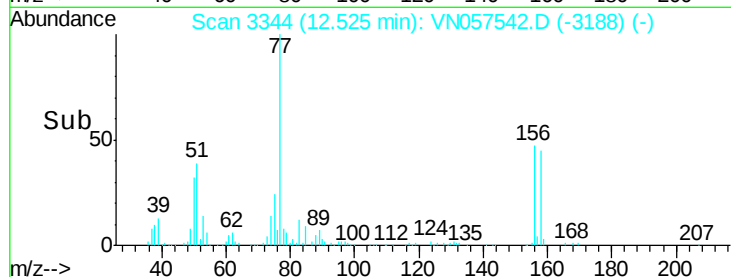
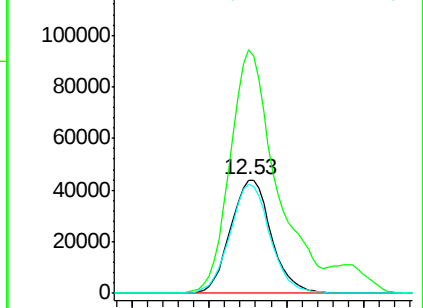
158 94.7 0.0 196.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.188 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057542.D

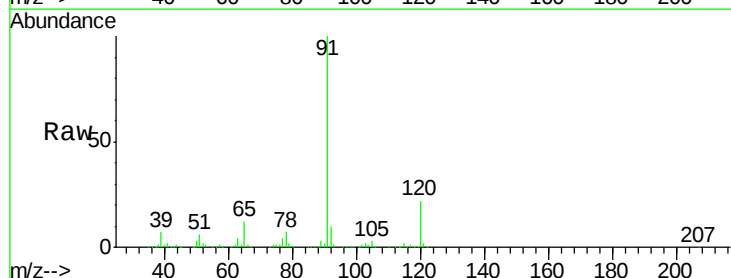
Acq: 27 Aug 2019 9:13

Tgt Ion: 91 Resp: 443577

Ion Ratio Lower Upper

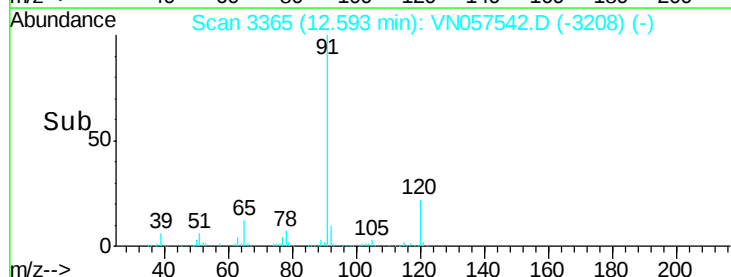
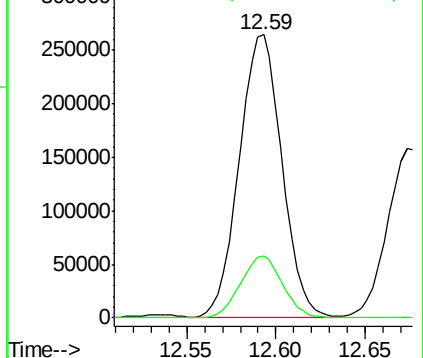
91 100

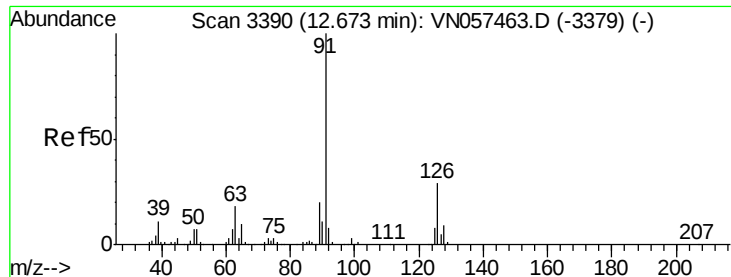
120 21.5 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.776 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampled :

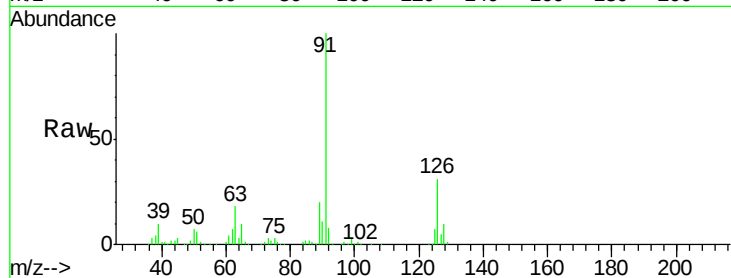
VSTDCCC020

Tot Ion: 91 Resp: 269230

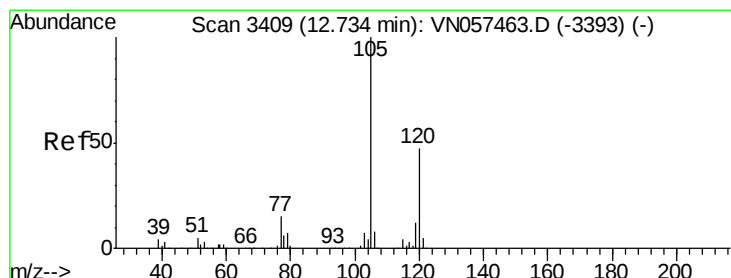
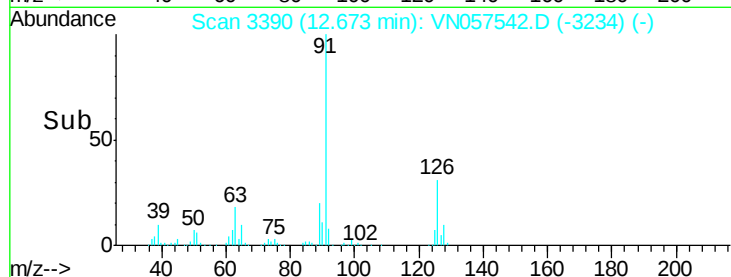
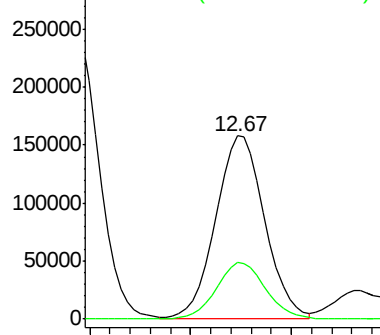
Ion Ratio Lower Upper

91 100

126 30.8 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.087 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057542.D

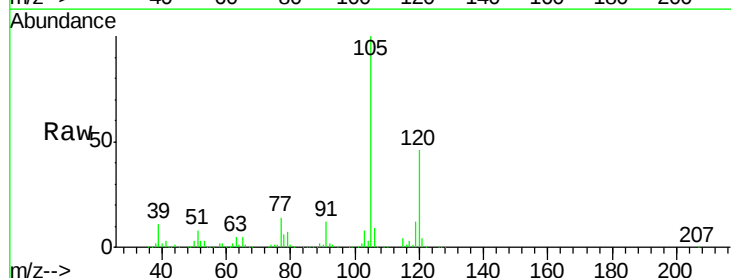
Acq: 27 Aug 2019 9:13

Tgt Ion: 105 Resp: 334193

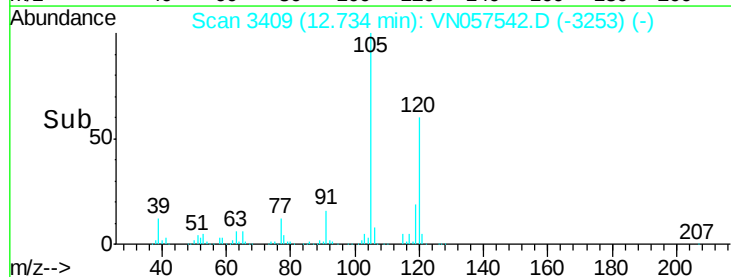
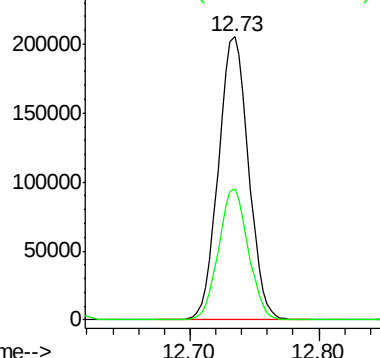
Ion Ratio Lower Upper

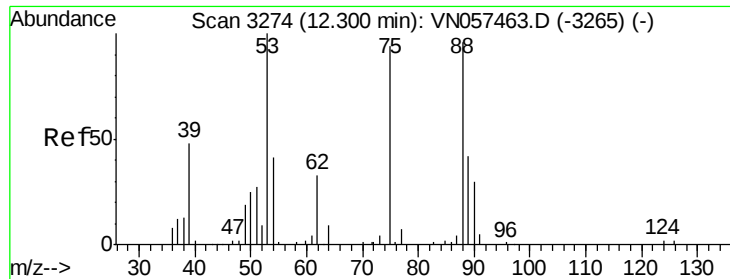
105 100

120 45.6 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.468 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

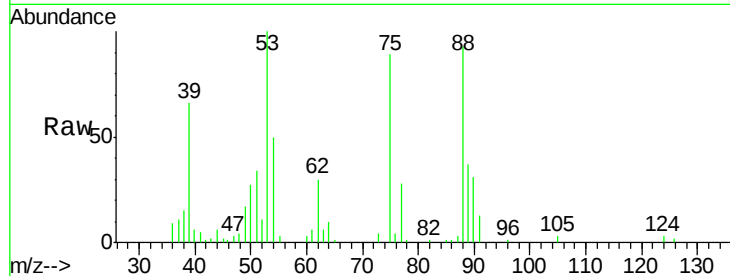
Tot Ion: 75 Resp: 29520

Ion Ratio Lower Upper

75 100

53 112.1 55.6 166.9

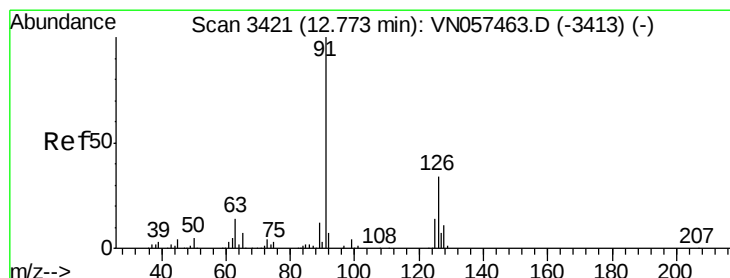
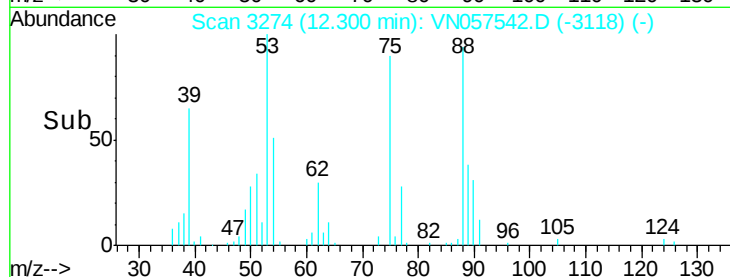
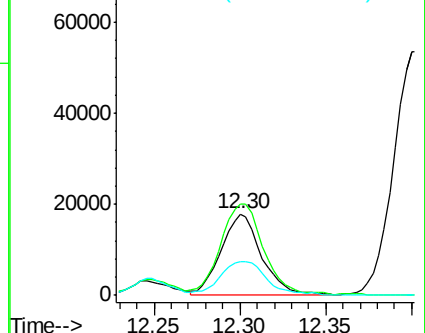
89 42.6 23.8 71.4



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: 19.209 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057542.D

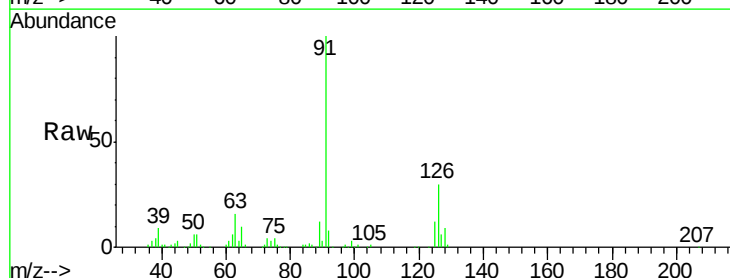
Acq: 27 Aug 2019 9:13

Tgt Ion: 91 Resp: 247099

Ion Ratio Lower Upper

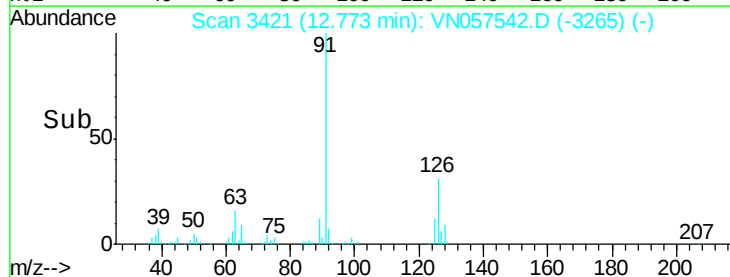
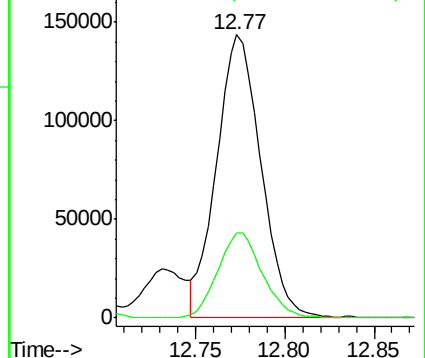
91 100

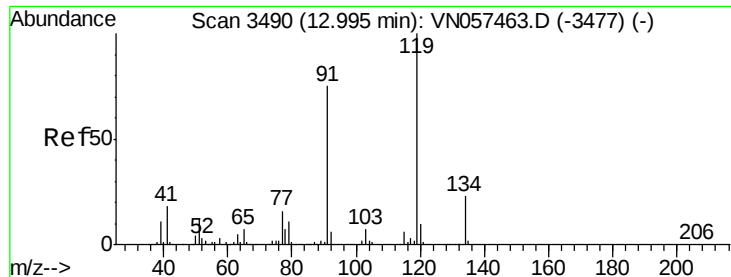
126 30.5 0.0 61.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

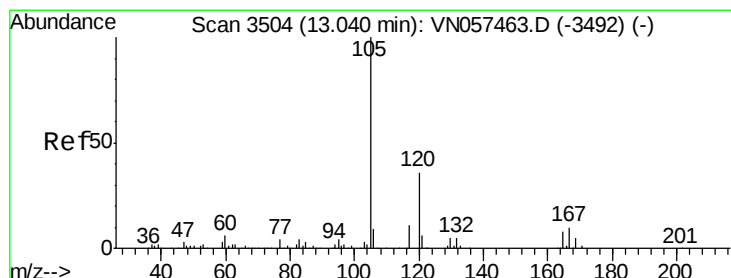
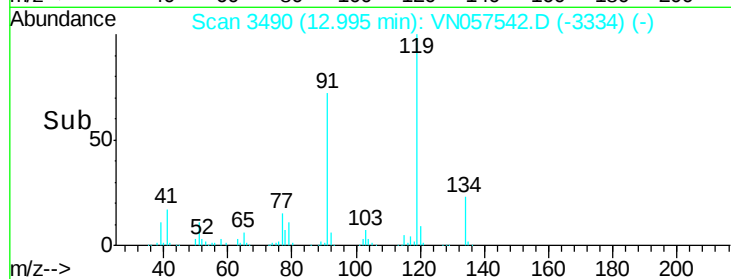
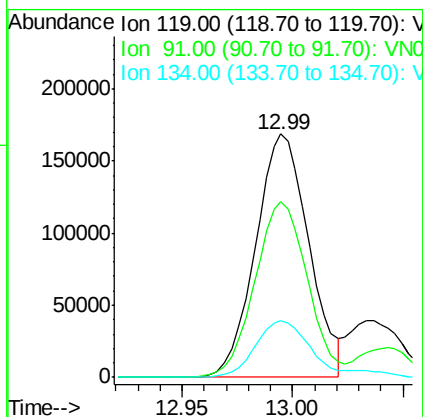
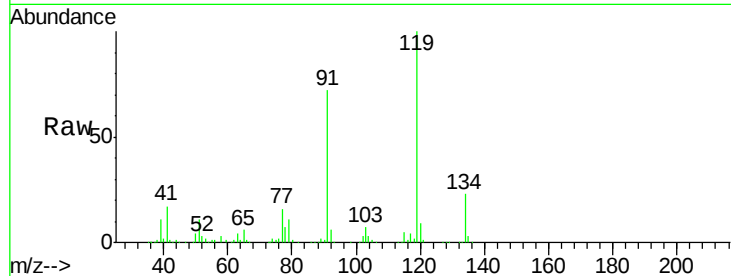




#79
tert-butylbenzene
Concen: 19.907 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

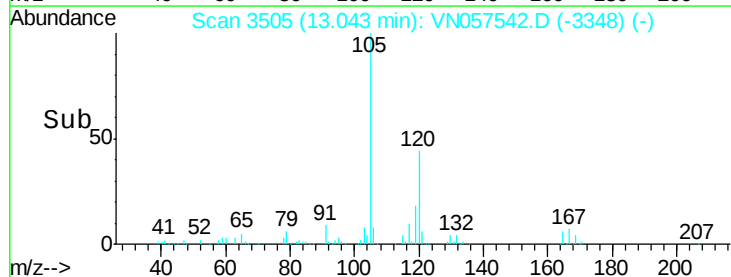
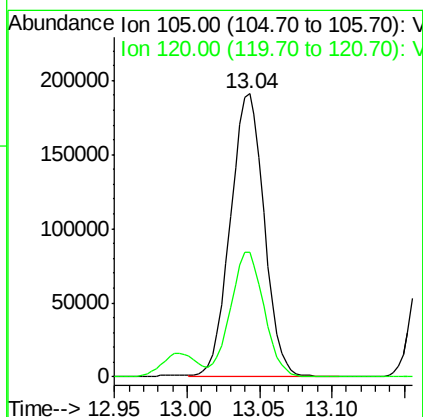
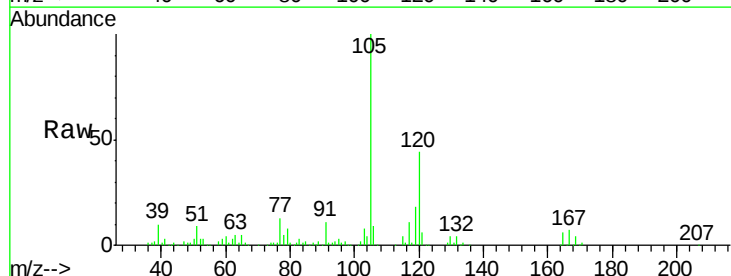
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

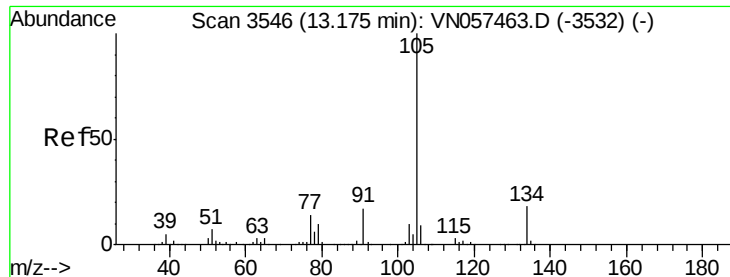
Tot Ion:119 Resp: 281818
Ion Ratio Lower Upper
119 100
91 71.6 0.0 146.6
134 23.5 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.994 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057542.D
Acq: 27 Aug 2019 9:13

Tgt Ion:105 Resp: 310134
Ion Ratio Lower Upper
105 100
120 43.6 0.0 85.4

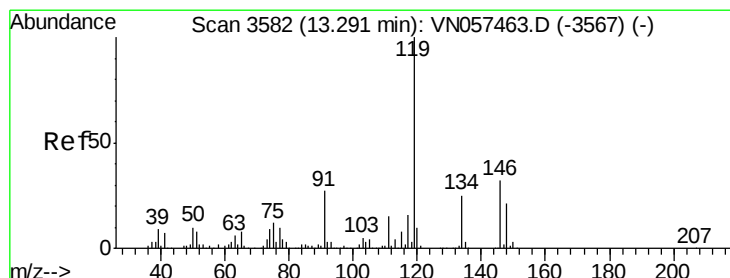
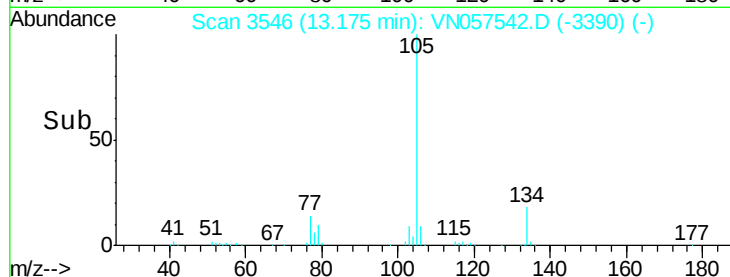
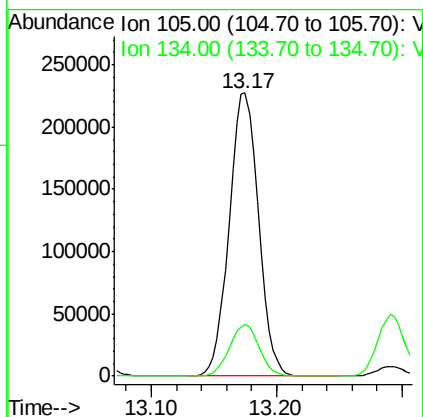
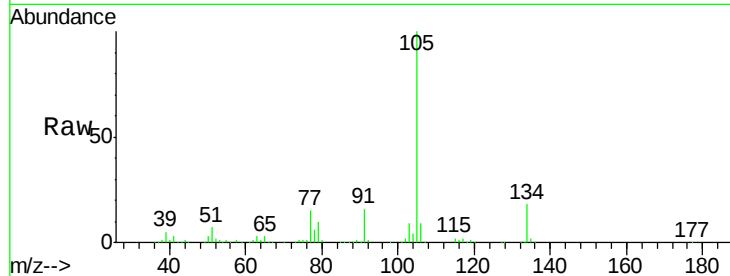




#81
 sec-Butylbenzene
 Concen: 19.793 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

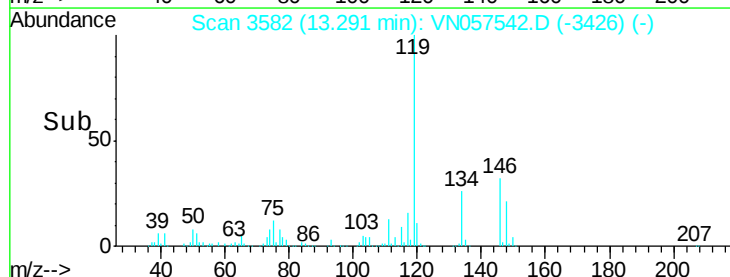
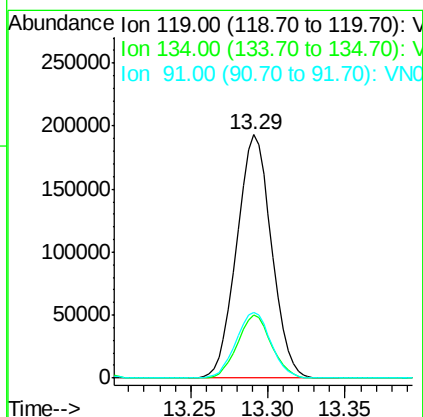
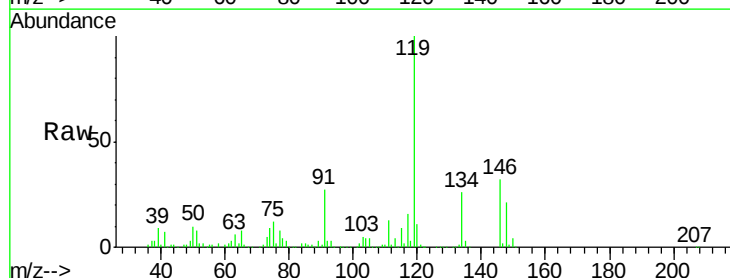
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

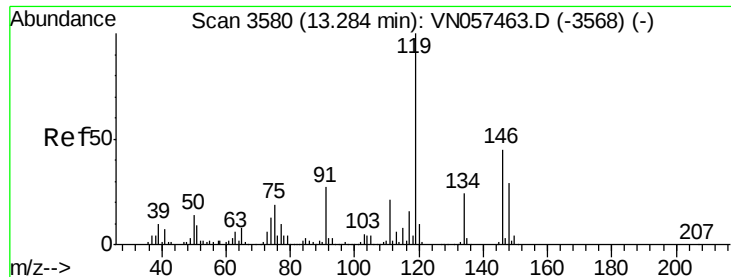
Tot Ion:105 Resp: 369251
 Ion Ratio Lower Upper
 105 100
 134 18.4 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 19.225 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion:119 Resp: 301525
 Ion Ratio Lower Upper
 119 100
 134 25.3 0.0 49.6
 91 27.4 0.0 55.2

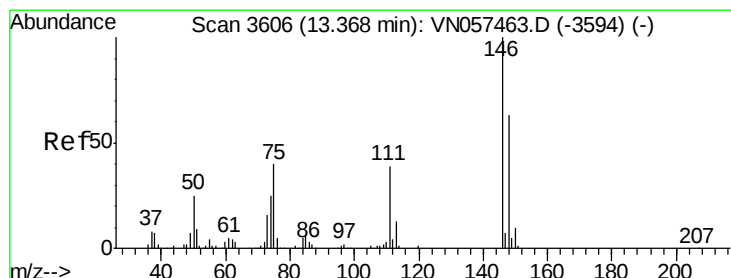
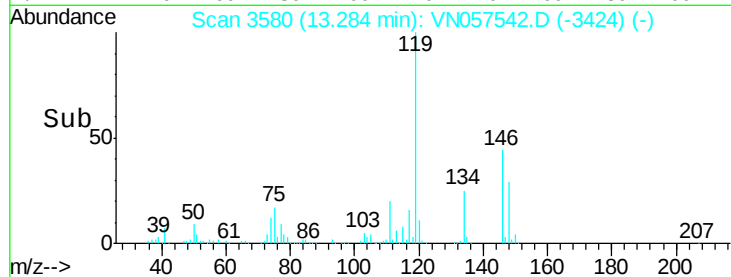
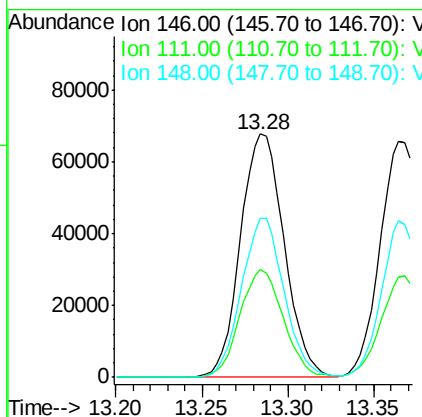
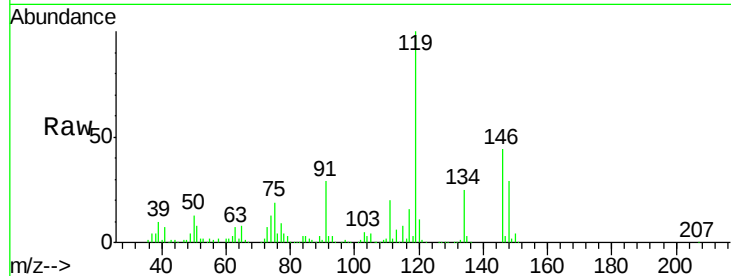




#83
 1,3-Dichlorobenzene
 Concen: 18.756 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

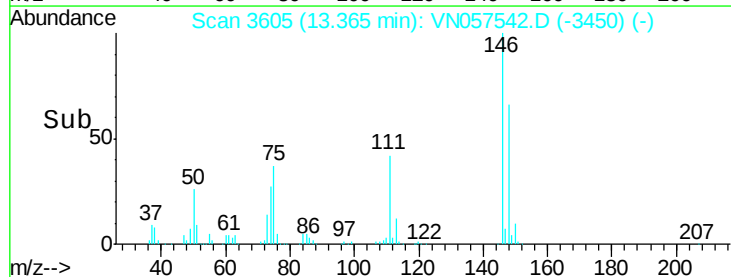
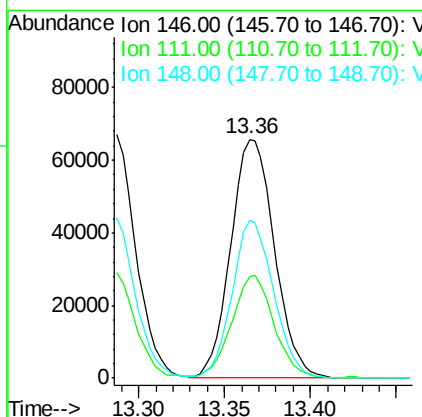
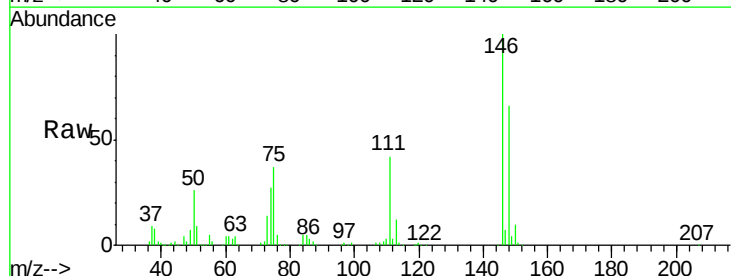
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

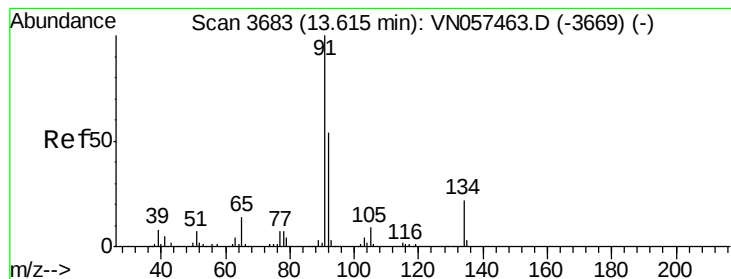
Tot Ion:146 Resp: 119808
 Ion Ratio Lower Upper
 146 100
 111 44.0 22.4 67.0
 148 63.7 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 18.670 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion:146 Resp: 116021
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.5 61.5
 148 62.8 31.9 95.7





#85

n-Butylbenzene

Concen: 19.224 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

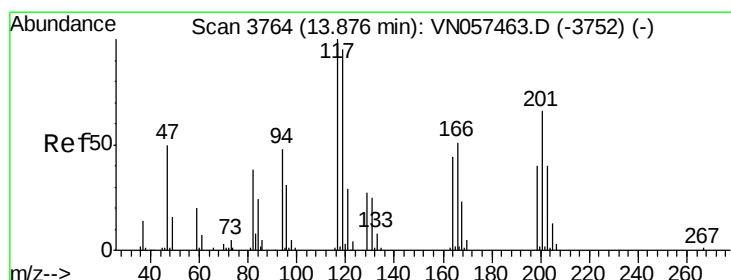
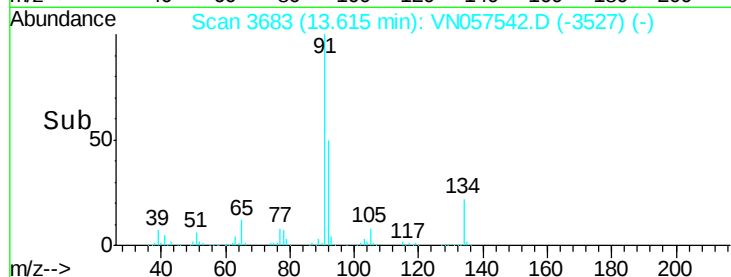
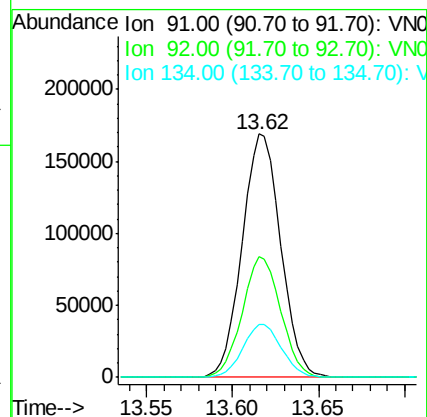
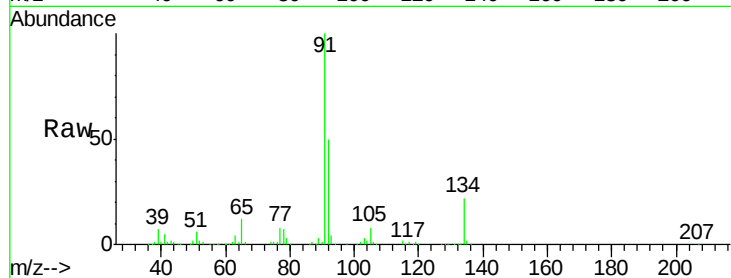
Tot Ion: 91 Resp: 262858

Ion Ratio Lower Upper

91 100

92 49.4 0.0 105.6

134 21.8 0.0 46.0



#86

Hexachloroethane

Concen: 17.201 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057542.D

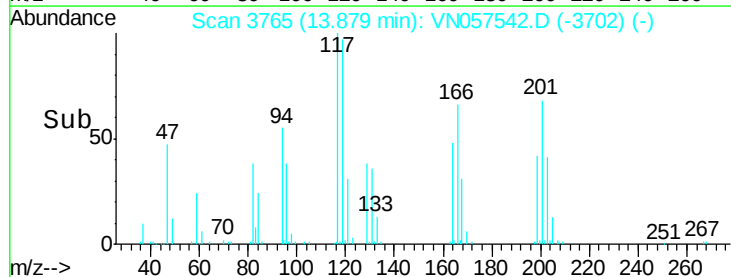
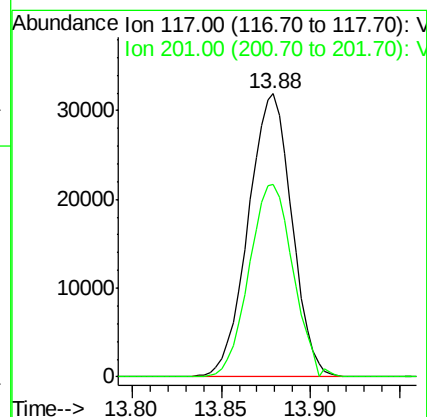
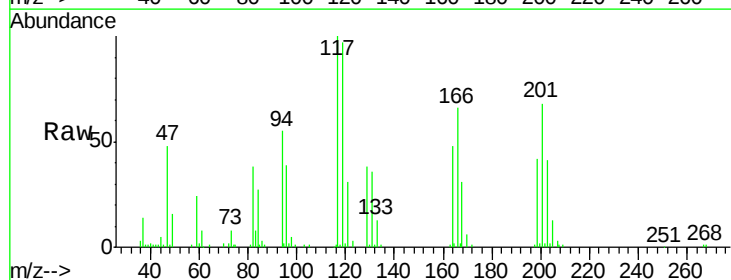
Acq: 27 Aug 2019 9:13

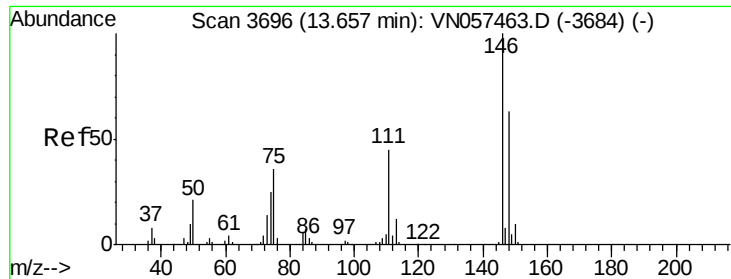
Tgt Ion: 117 Resp: 54433

Ion Ratio Lower Upper

117 100

201 67.9 34.0 101.8

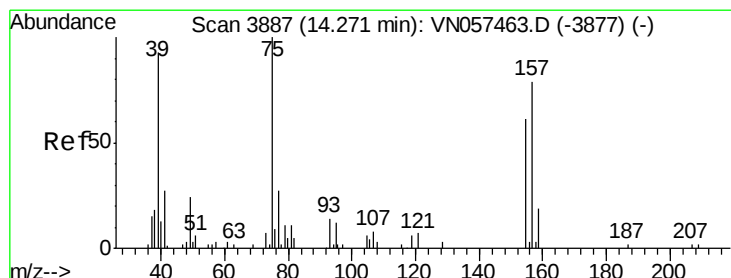
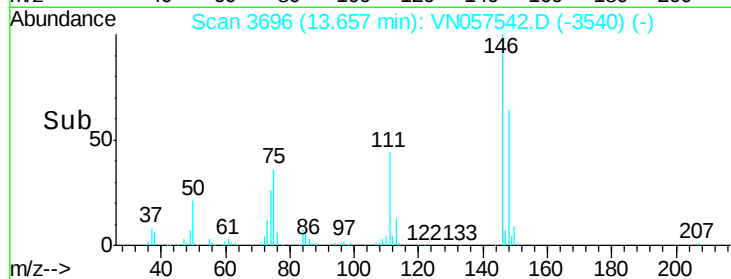
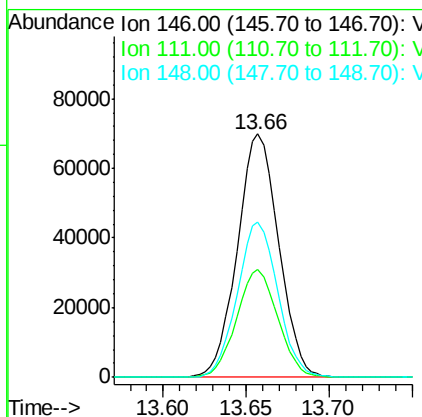
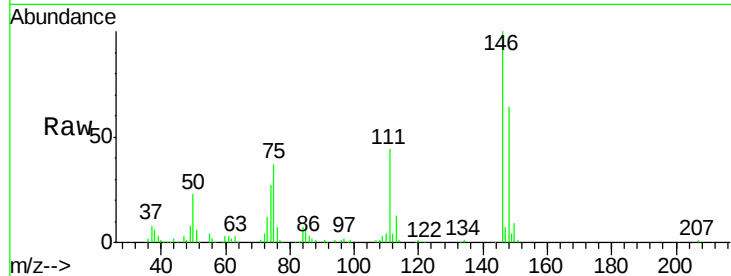




#87
 1,2-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

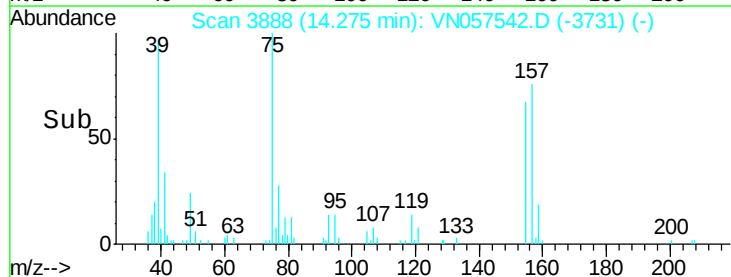
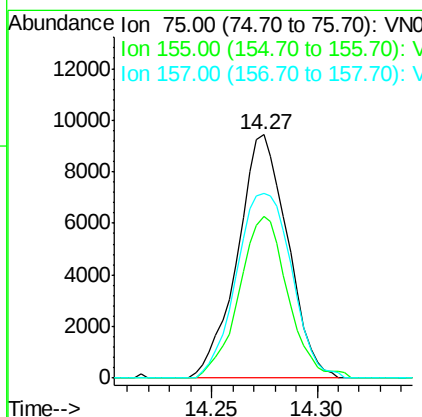
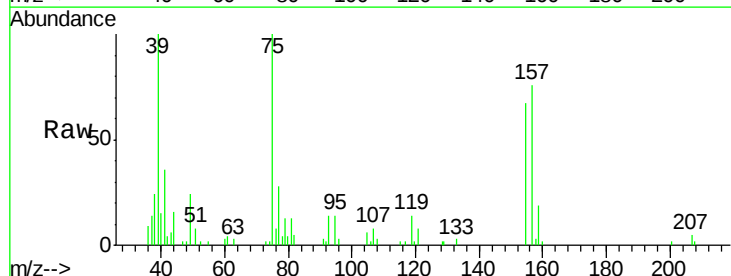
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

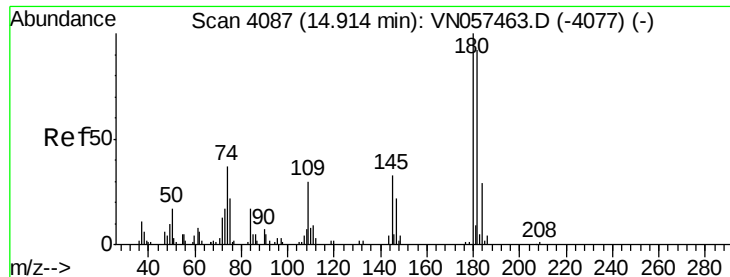
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.5	67.5
148	62.6	30.9	92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.816 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.2	53.7	80.5
157	83.9	63.5	95.3

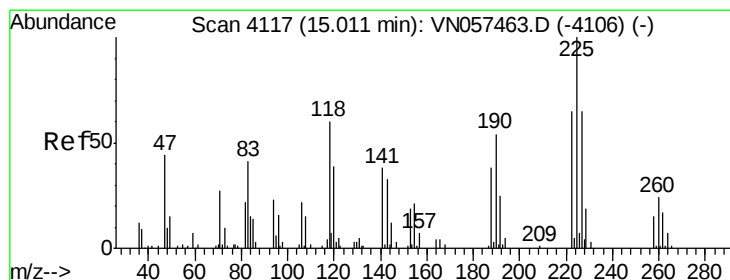
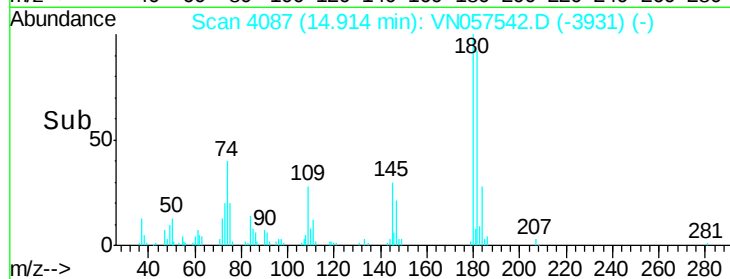
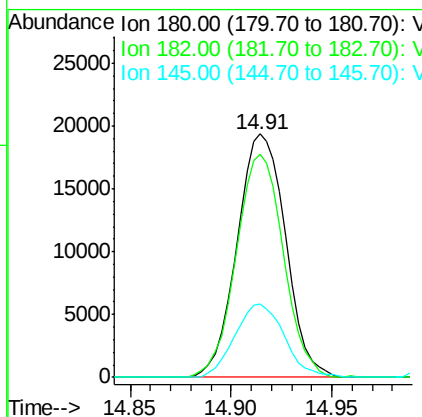
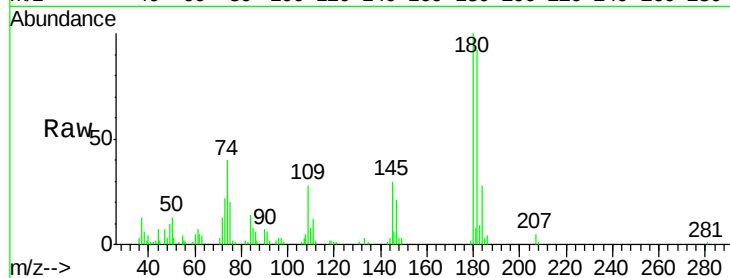




#89
 1,2,4-Trichlorobenzene
 Concen: 13.879 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

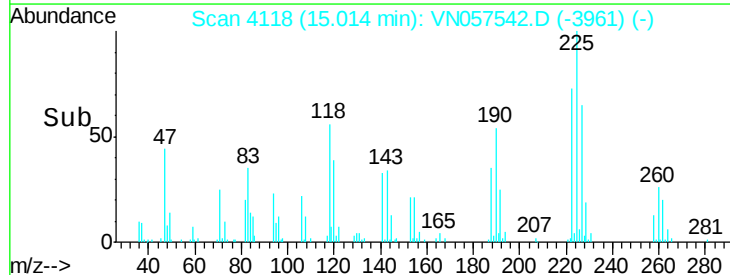
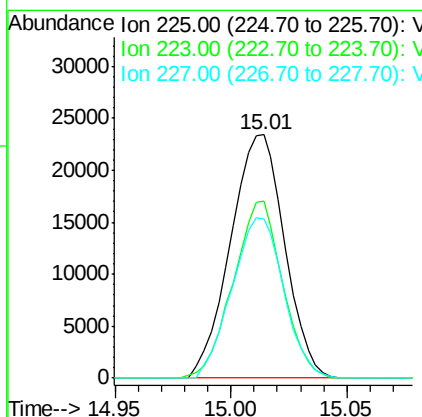
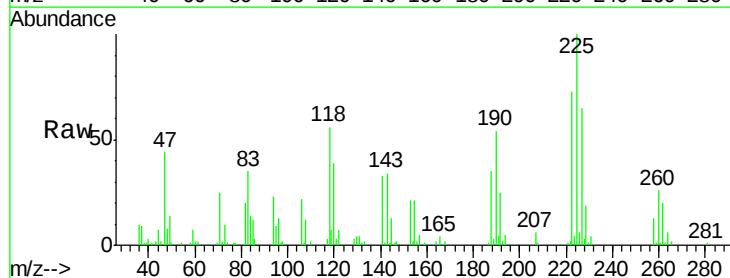
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

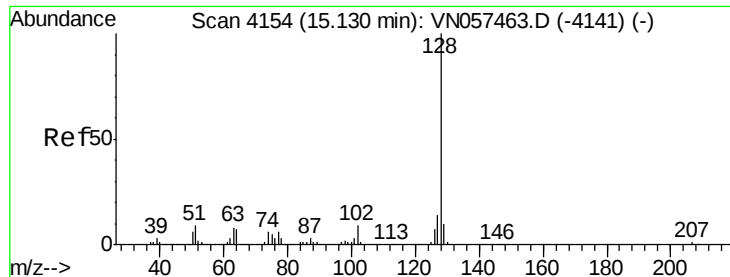
Tot Ion:180 Resp: 32623
 Ion Ratio Lower Upper
 180 100
 182 89.4 75.4 113.2
 145 30.9 26.9 40.3



#90
 Hexachlorobutadiene
 Concen: 20.988 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057542.D
 Acq: 27 Aug 2019 9:13

Tgt Ion:225 Resp: 37931
 Ion Ratio Lower Upper
 225 100
 223 66.3 0.0 123.6
 227 63.1 0.0 126.6





#91

Naphthalene

Concen: 18.752 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

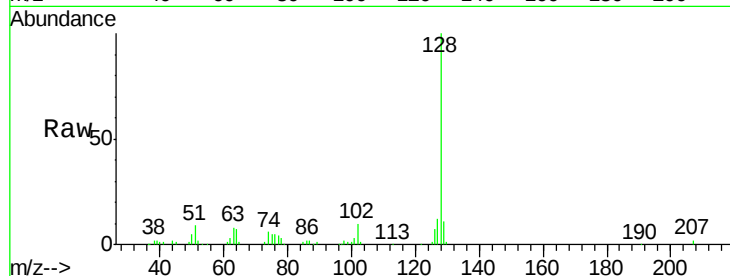
Tot Ion:128 Resp: 102124

Ion Ratio Lower Upper

128 100

127 13.4 10.1 15.1

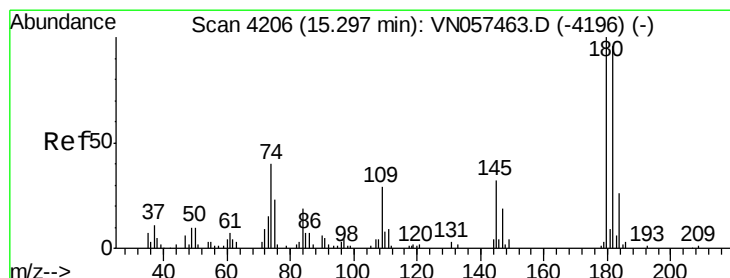
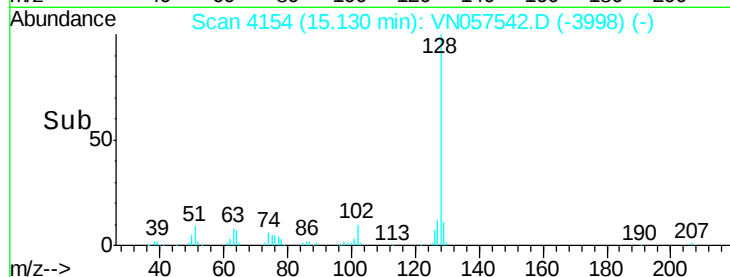
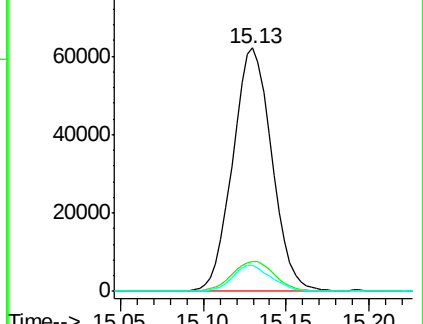
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.085 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057542.D

Acq: 27 Aug 2019 9:13

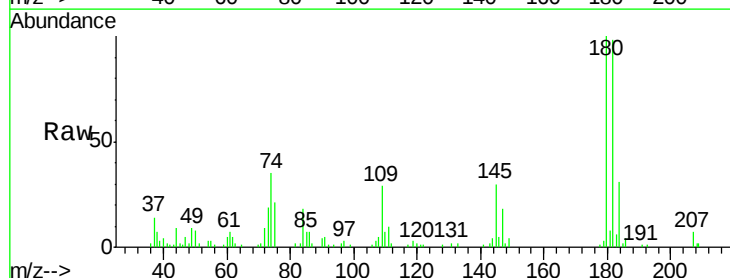
Tgt Ion:180 Resp: 35460

Ion Ratio Lower Upper

180 100

182 88.4 0.0 187.0

145 28.8 0.0 64.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

