

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055885.D
 Acq On : 29 May 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 30 03:41:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53399	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	281345	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	250801	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	105963	30.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.20%
60) 4-Bromofluorobenzene	12.40	95	110580	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	350556	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	43658	18.647	ug/l 100
3) Chloromethane	2.06	50	60290	18.104	ug/l 99
4) Vinyl Chloride	2.19	62	65462	19.260	ug/l 99
5) Bromomethane	2.54	94	43430	21.824	ug/l 100
6) Chloroethane	2.69	64	41511	20.906	ug/l 95
7) Trichlorofluoromethane	3.01	101	87005	20.404	ug/l 98
8) Diethyl Ether	3.40	74	39483	21.063	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53891	20.002	ug/l 98
10) 1,1-Dichloroethene	3.72	96	54176	19.221	ug/l 98
11) Methyl Iodide	3.94	142	78058	19.413	ug/l 99
12) Methyl Acetate	4.33	43	67455	19.568	ug/l 99
13) Acrolein	3.60	56	39343	82.139	ug/l 97
14) Acrylonitrile	4.99	53	155821	99.147	ug/l 100
15) Acetone	3.82	58	47787	97.906	ug/l 96
16) Carbon Disulfide	4.04	76	133160	16.478	ug/l 100
17) Allyl chloride	4.31	41	92144	18.152	ug/l 95
18) Methylene Chloride	4.55	84	63965	19.815	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	59096	19.490	ug/l 96
20) Diisopropyl ether	5.96	45	188222	19.113	ug/l 96
21) 1,1-Dichloroethane	5.84	63	108296	19.458	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	70391	19.906	ug/l 96
23) tert-Butyl Alcohol	4.82	59	59620	86.379	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	189181	19.781	ug/l 99
25) Chloroform	7.37	83	110845	20.165	ug/l 100
26) Cyclohexane	7.65	56	97574	19.004	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	79695	20.234	ug/l 99
30) 2-Butanone	6.84	43	215074	102.451	ug/l 99
31) 2,2-Dichloropropane	6.82	77	82838	18.074	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	92033	19.714	ug/l 100
33) Carbon Tetrachloride	7.77	117	78484	18.794	ug/l 98
34) Benzene	8.04	78	252809	20.791	ug/l 100
35) Methacrylonitrile	7.17	41	36386	18.779	ug/l 96
36) 1,2-Dichloroethane	8.12	62	83263	20.954	ug/l 99
37) Trichloroethene	8.83	130	68168	20.093	ug/l 99
38) Methylcyclohexane	9.08	83	97878	19.615	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66009	20.193	ug/l 96
40) Dibromomethane	9.21	93	43833	20.766	ug/l 94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	81223	18.775	ug/l	98
42) Vinyl Acetate	5.90	43	799194	98.054	ug/l	100
43) Ethyl Acetate	6.93	43	85190	20.645	ug/l #	100
44) Isopropyl Acetate	8.17	43	135668	19.855	ug/l #	87
45) 1,4-Dioxane	9.20	88	26497	412.193	ug/l	97
46) Methyl methacrylate	9.20	41	61820	19.391	ug/l	98
47) n-amyl Acetate	12.07	43	104579	18.504	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	83303	17.444	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	97863	18.723	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	64895	21.118	ug/l	99
51) Ethyl methacrylate	10.43	69	96917	19.567	ug/l	99
52) 1,3-Dichloropropane	10.71	76	105128	20.755	ug/l	98
53) Dibromochloromethane	10.90	129	64002	17.631	ug/l	99
54) 1,2-Dibromoethane	11.00	107	65660	20.649	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	168147	87.251	ug/l	100
56) Bromoform	12.13	173	45970	15.438	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	419649	101.074	ug/l	99
59) 2-Hexanone	10.75	43	290149	97.751	ug/l	99
61) Tetrachloroethene	10.63	164	69288	20.408	ug/l	95
62) Toluene	10.16	91	276898	20.531	ug/l	100
64) Chlorobenzene	11.43	112	165782	20.264	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61226	18.574	ug/l	99
66) Ethyl Benzene	11.51	91	295595	20.060	ug/l	100
67) m/p-Xylenes	11.62	106	221822	39.626	ug/l	100
68) o-Xylene	11.95	106	110386	19.927	ug/l	99
69) Styrene	11.96	104	174995	19.148	ug/l	99
70) Isopropylbenzene	12.25	105	292130	20.155	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	89216	20.001	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	104521	27.226	ug/l	67
73) Bromobenzene	12.52	156	72632	18.942	ug/l	99
74) n-propylbenzene	12.59	91	304048	19.451	ug/l	100
75) 2-Chlorotoluene	12.67	91	188391	19.729	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	234149	19.544	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21028	13.790	ug/l	86
78) 4-Chlorotoluene	12.77	91	171889	18.994	ug/l	100
79) tert-butylbenzene	12.99	119	208772	19.822	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	230430	19.375	ug/l	99
81) sec-Butylbenzene	13.17	105	267254	19.971	ug/l	99
82) p-Isopropyltoluene	13.29	119	232327	18.864	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	109659	18.244	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	100168	17.499	ug/l	98
85) n-Butylbenzene	13.61	91	170833	17.830	ug/l	99
86) Hexachloroethane	13.87	117	39303	16.225	ug/l	87
87) 1,2-Dichlorobenzene	13.65	146	113906	18.819	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14070	16.643	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	46283	14.166	ug/l	98
90) Hexachlorobutadiene	15.01	225	41685	17.100	ug/l	97
91) Naphthalene	15.13	128	136234	15.261	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	52578	15.398	ug/l	94

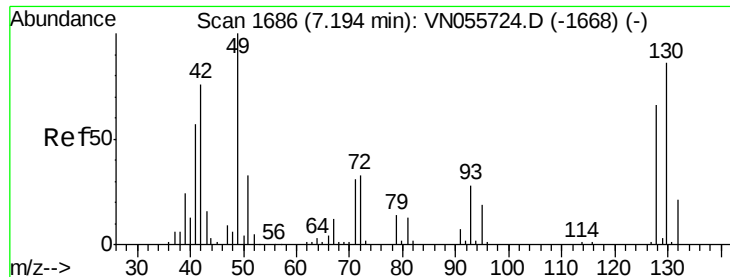
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

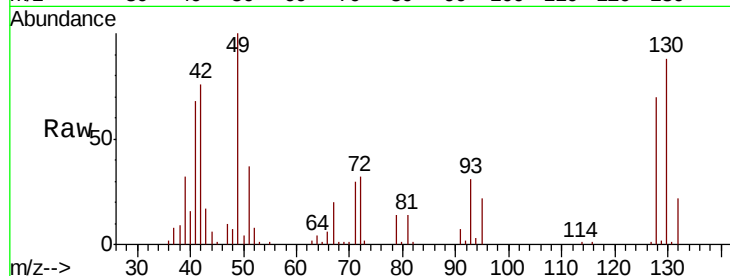
Tot Ion:128 Resp: 53399

Ion Ratio Lower Upper

128 100

49 148.0 0.0 383.2

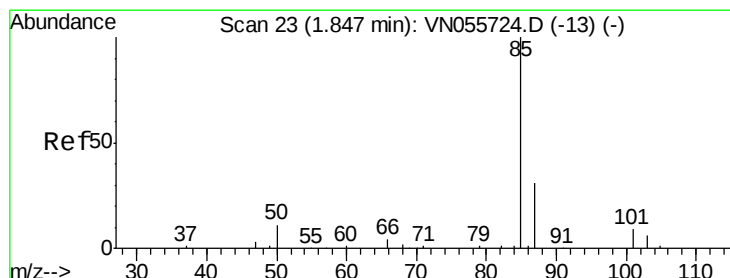
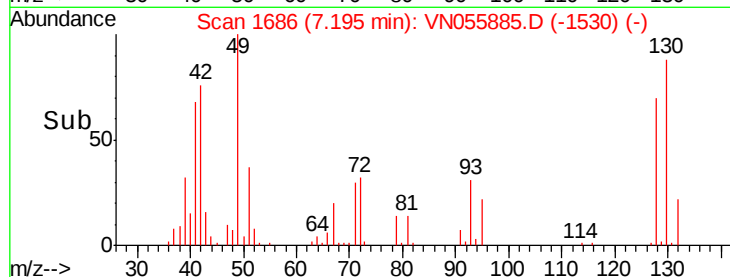
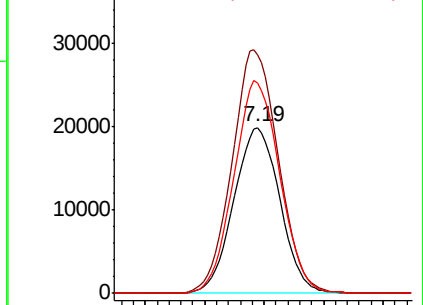
130 127.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.647 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055885.D

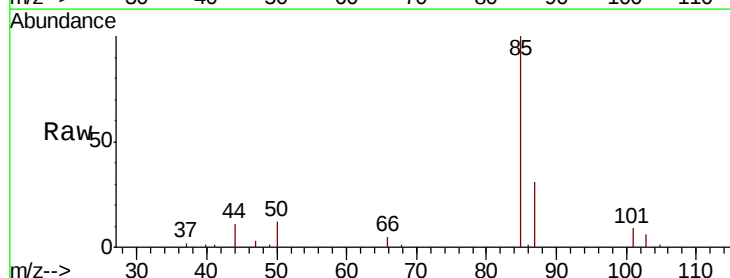
Acq: 29 May 2019 18:18

Tgt Ion: 85 Resp: 43658

Ion Ratio Lower Upper

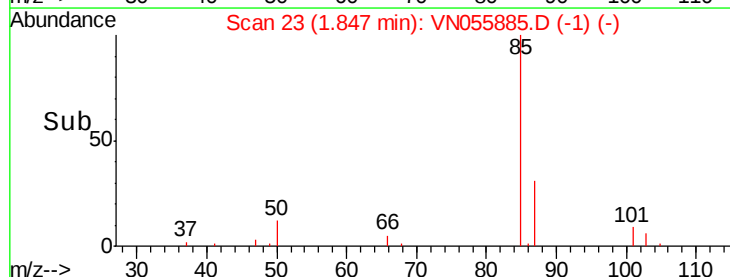
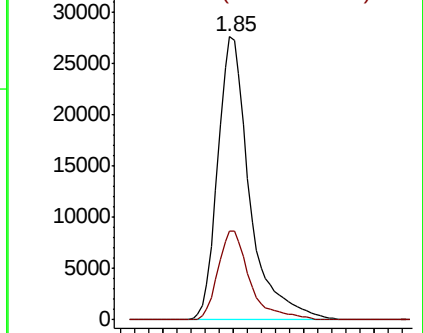
85 100

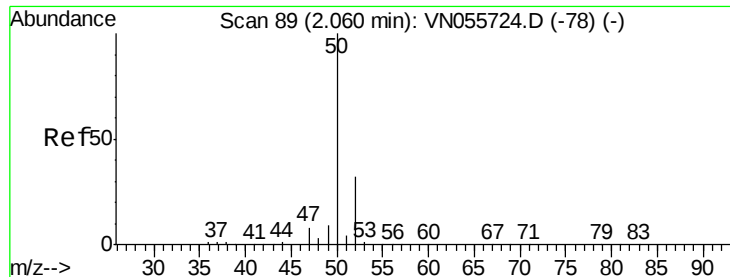
87 31.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.104 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

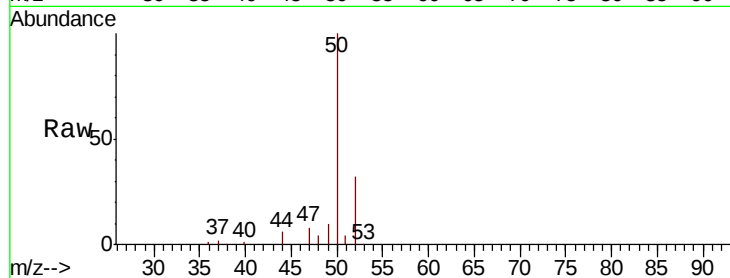
VSTDCCC020EC

Tot Ion: 50 Resp: 60290

Ion Ratio Lower Upper

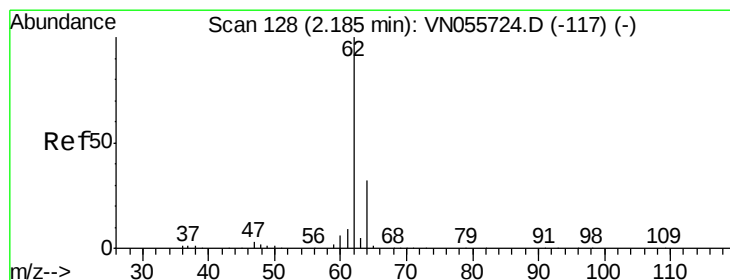
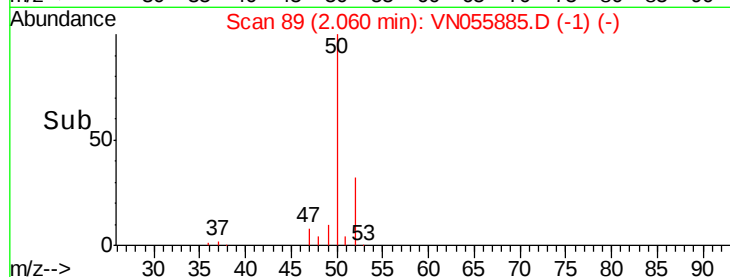
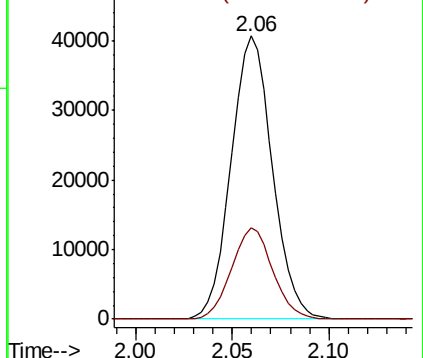
50 100

52 32.1 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.260 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055885.D

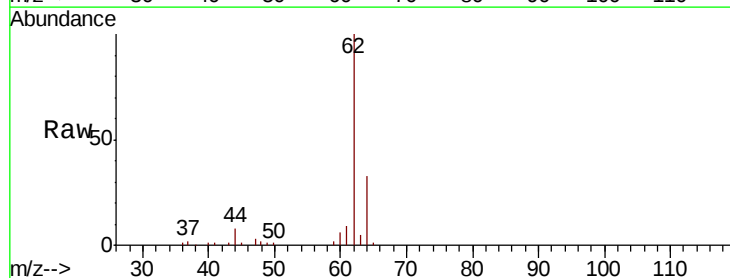
Acq: 29 May 2019 18:18

Tgt Ion: 62 Resp: 65462

Ion Ratio Lower Upper

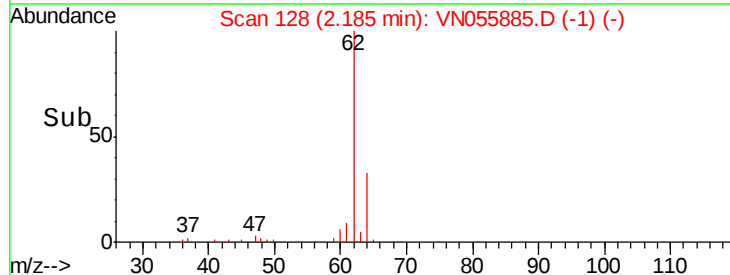
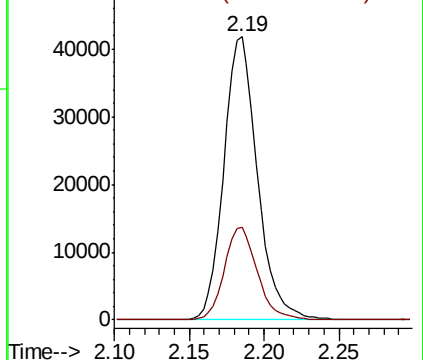
62 100

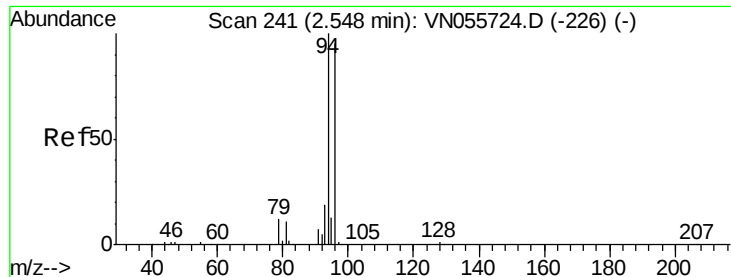
64 32.8 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.824 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

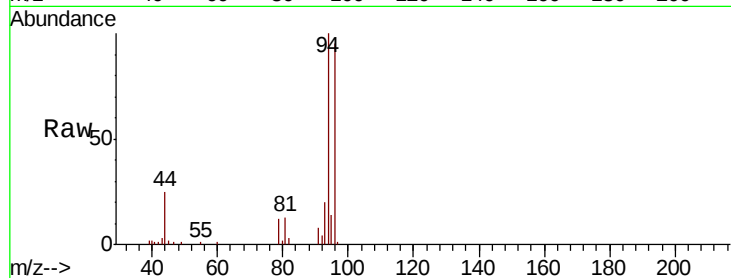
VSTDCCC020EC

Tot Ion: 94 Resp: 43430

Ion Ratio Lower Upper

94 100

96 94.6 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN055724.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN055724.D (-226) (-)

25000

20000

15000

10000

5000

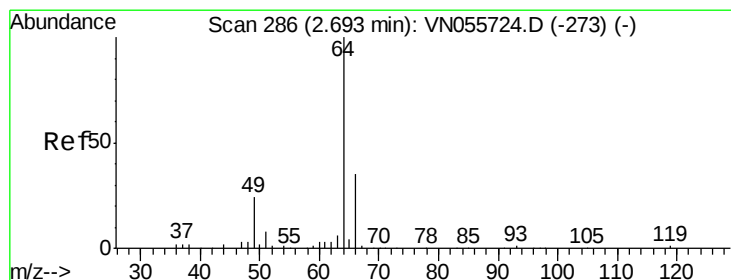
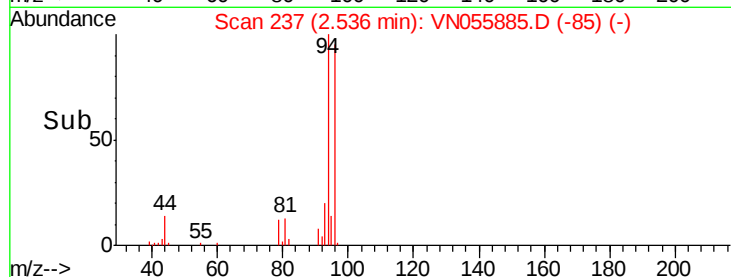
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 20.906 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055885.D

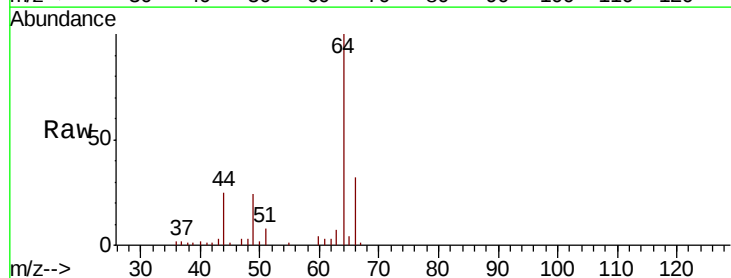
Acq: 29 May 2019 18:18

Tgt Ion: 64 Resp: 41511

Ion Ratio Lower Upper

64 100

66 31.8 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN055724.D (-273) (-)

Ion 66.00 (65.70 to 66.70): VN055724.D (-273) (-)

20000

15000

10000

5000

0

Time-->

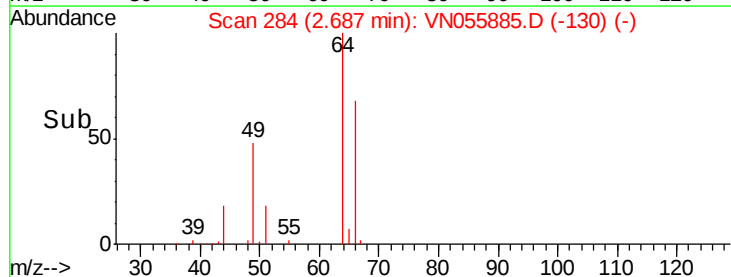
2.60

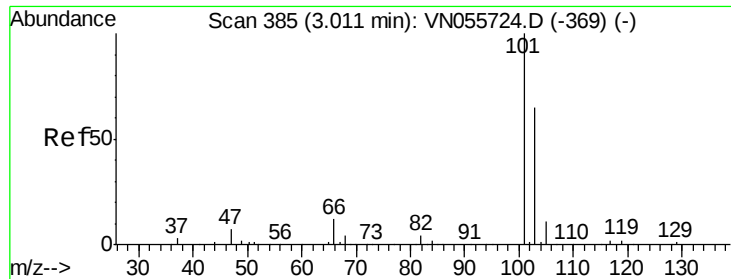
2.65

2.70

2.75

2.80



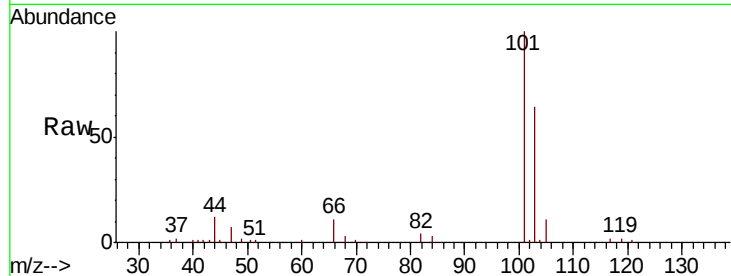


#7

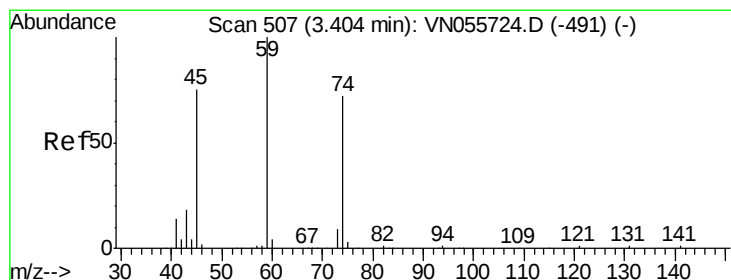
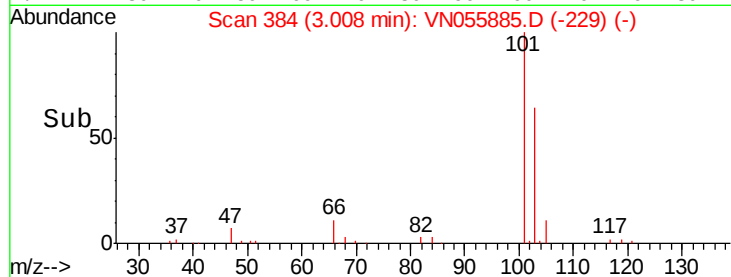
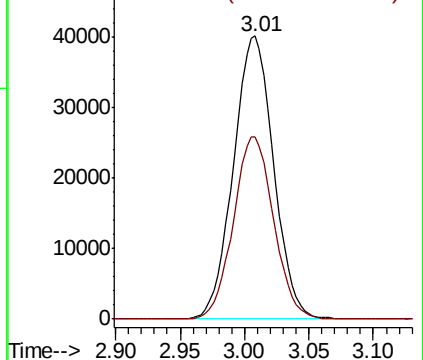
Trichlorofluoromethane
 Concen: 20.404 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
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 ClientSampleId :
 VSTDCCC020EC

Tot Ion:101 Resp: 87005
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 78.8



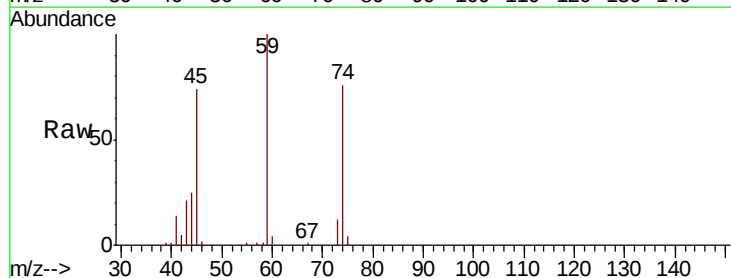
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



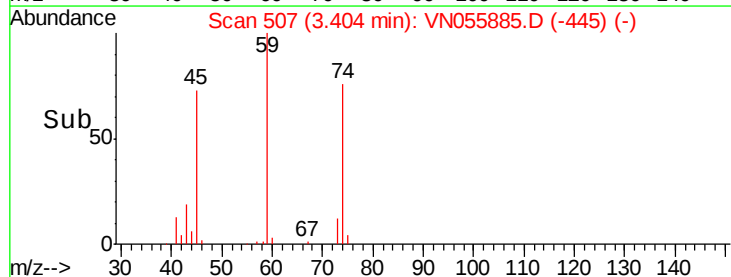
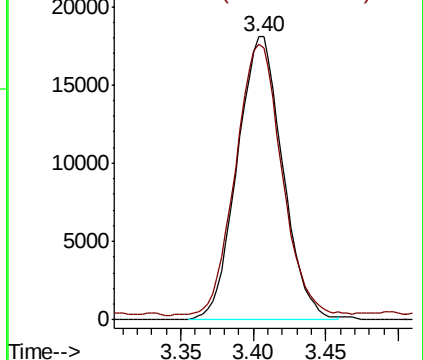
#8

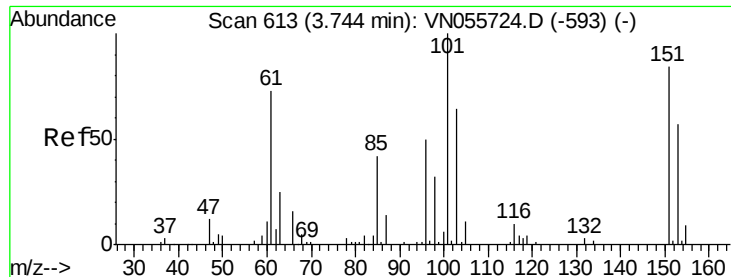
Diethyl Ether
 Concen: 21.063 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 74 Resp: 39483
 Ion Ratio Lower Upper
 74 100
 45 96.1 20.4 184.0



Abundance Ion 74.00 (73.70 to 74.70): VN0
 Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.002 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055885.D

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VSTDCCC020EC

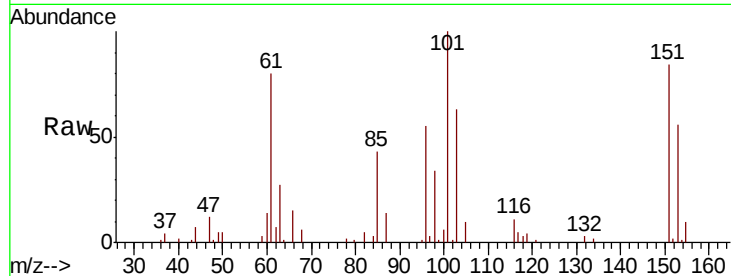
Tot Ion:101 Resp: 53891

Ion Ratio Lower Upper

101 100

85 42.6 0.0 86.6

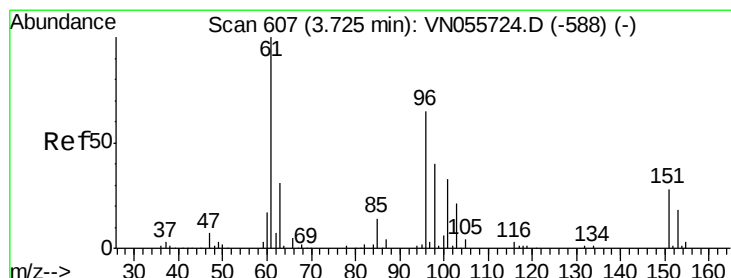
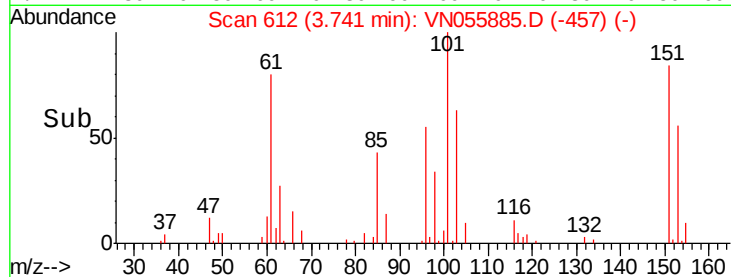
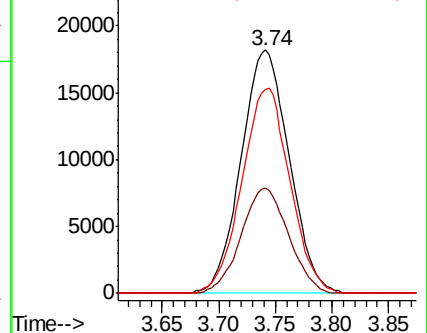
151 83.8 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.221 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

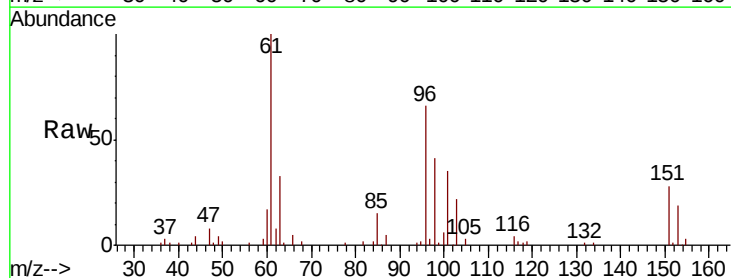
Tgt Ion: 96 Resp: 54176

Ion Ratio Lower Upper

96 100

61 152.0 123.7 185.5

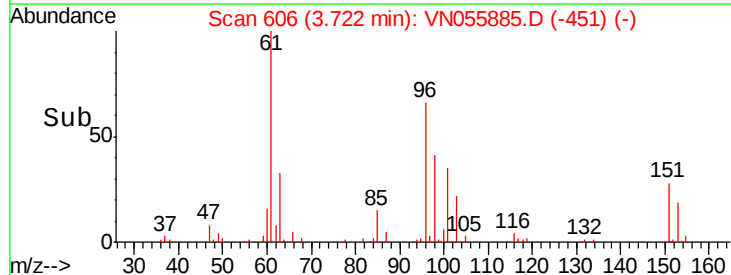
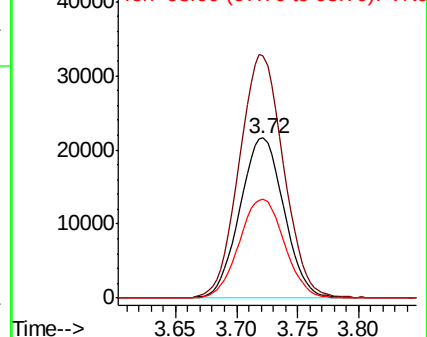
98 61.7 50.0 75.0

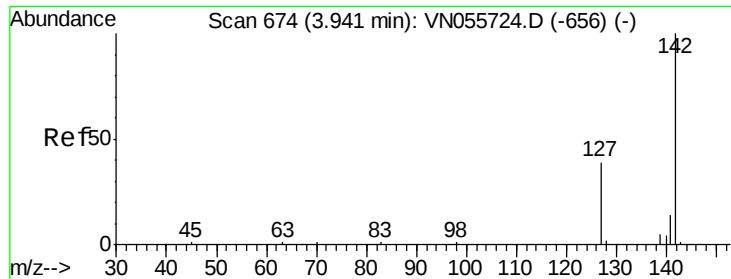


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

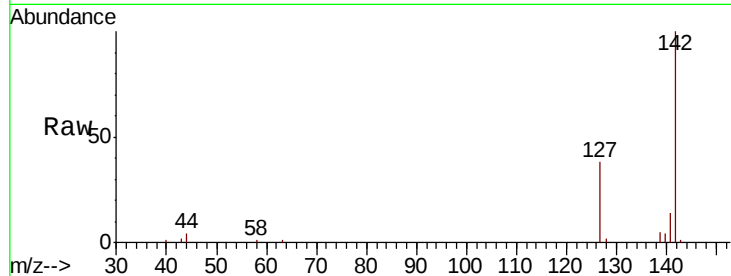




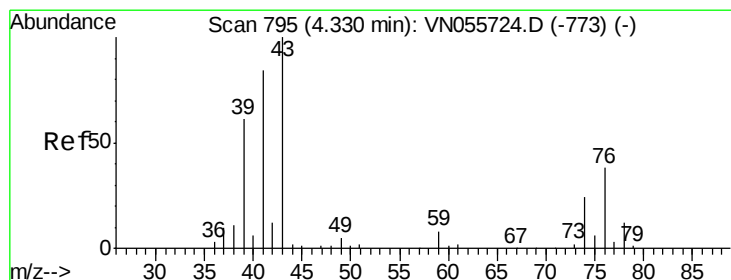
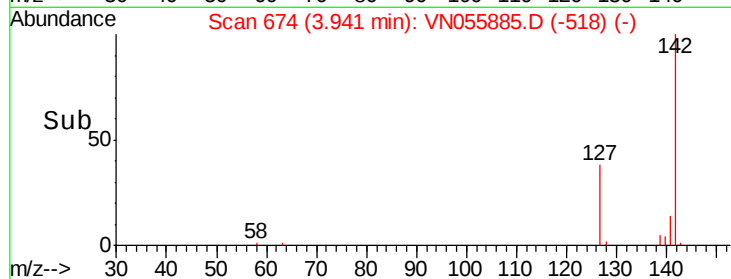
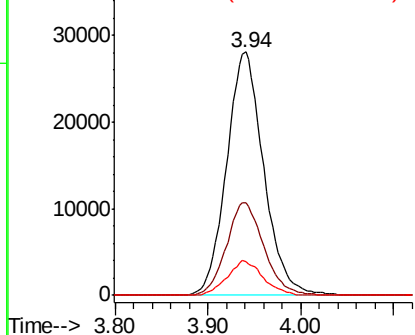
#11
Methyl Iodide
Concen: 19.413 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 78058
Ion Ratio Lower Upper
142 100
127 38.2 19.6 58.7
141 14.1 6.9 20.6

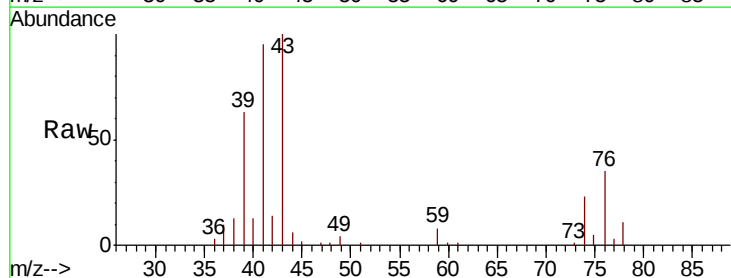


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

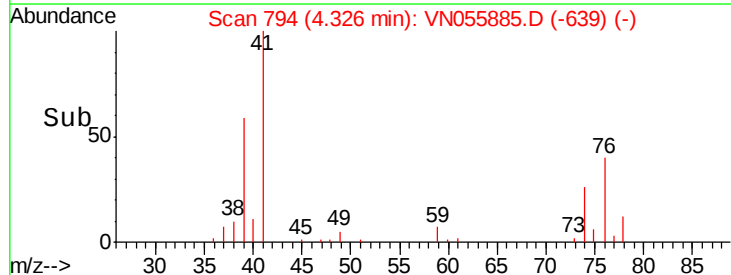
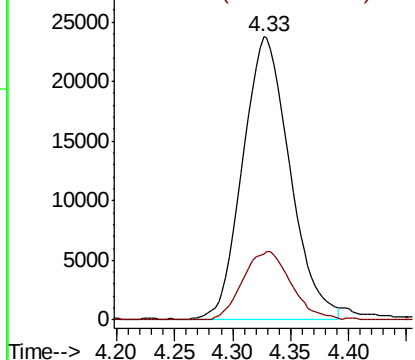


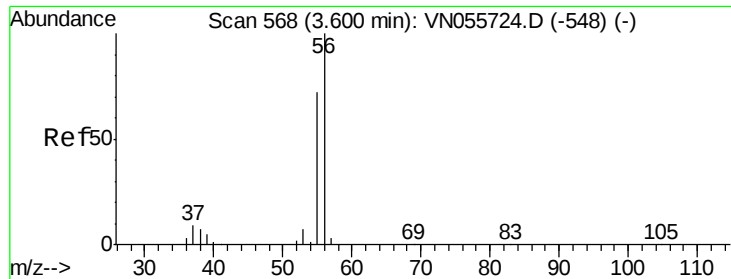
#12
Methyl Acetate
Concen: 19.568 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 43 Resp: 67455
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 82.139 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

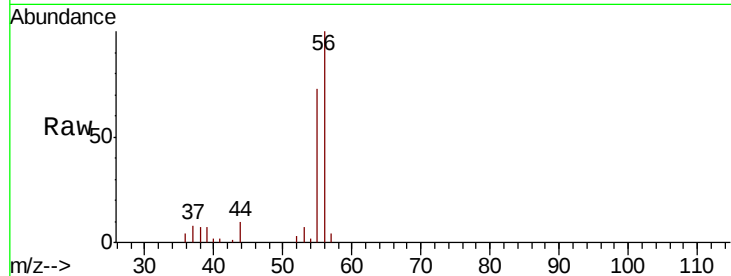
VSTDCCC020EC

Tot Ion: 56 Resp: 39343

Ion Ratio Lower Upper

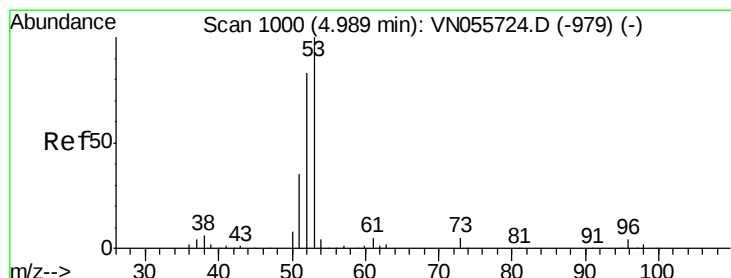
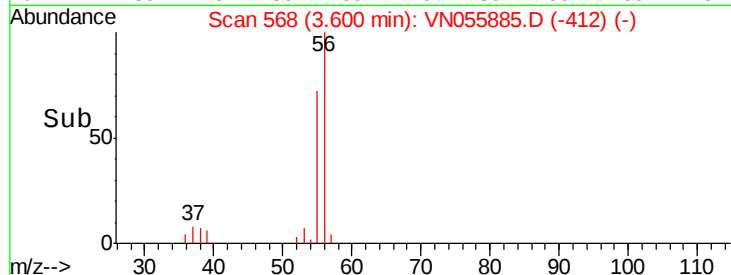
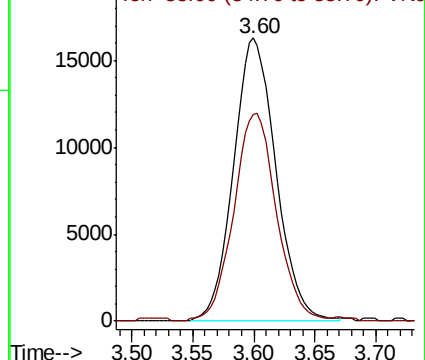
56 100

55 73.7 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.147 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

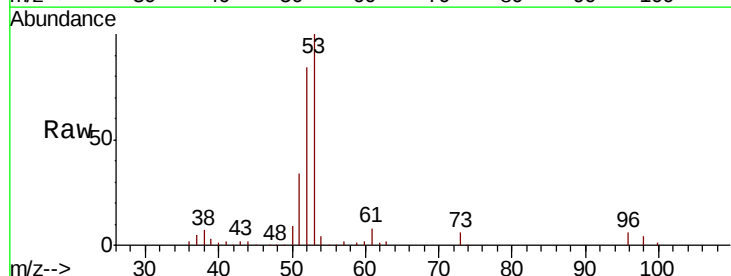
Tgt Ion: 53 Resp: 155821

Ion Ratio Lower Upper

53 100

52 82.7 41.1 123.4

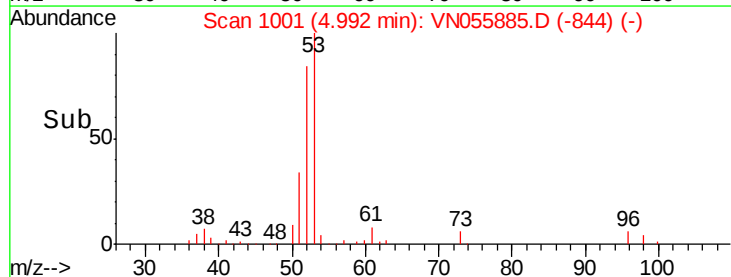
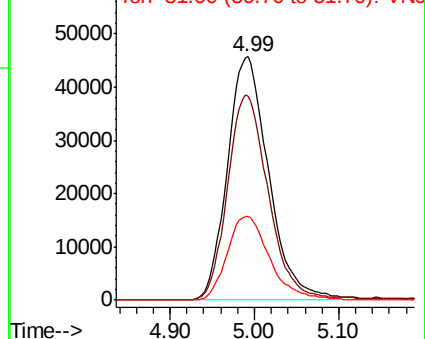
51 35.4 17.5 52.6

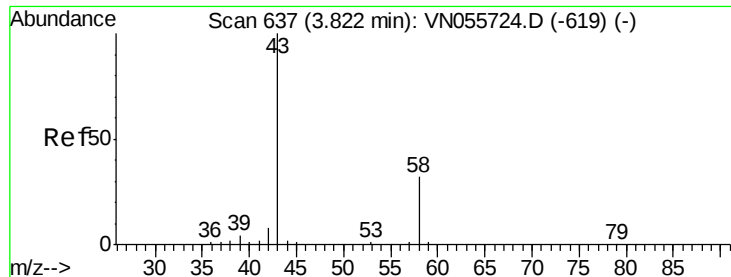


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 97.906 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

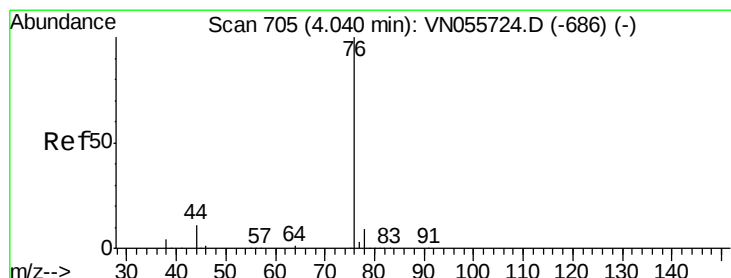
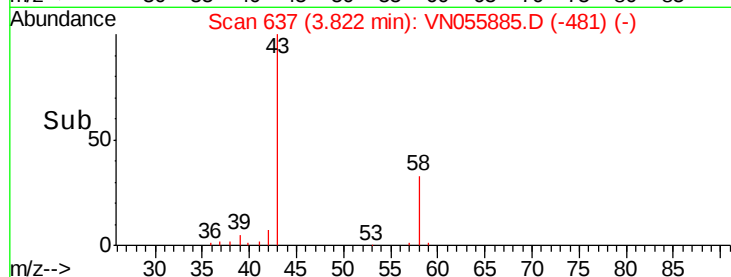
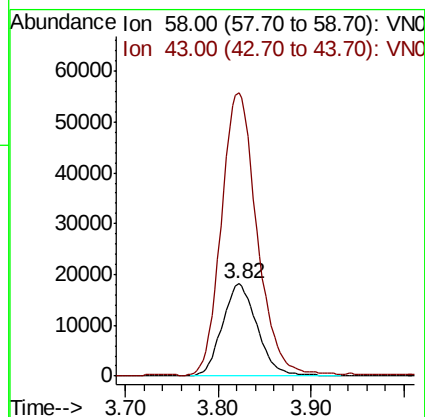
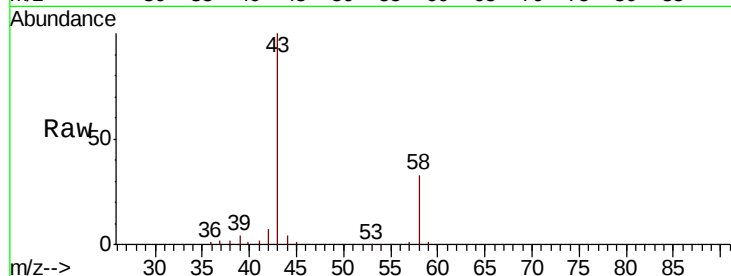
VSTDCCC020EC

Tot Ion: 58 Resp: 47787

Ion Ratio Lower Upper

58 100

43 303.4 248.8 373.2



#16

Carbon Disulfide

Concen: 16.478 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055885.D

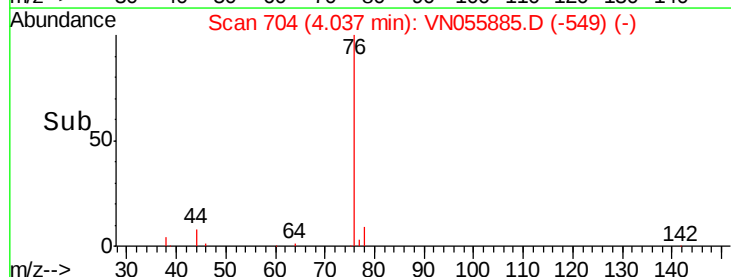
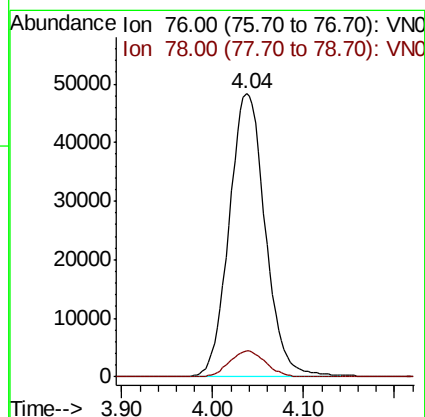
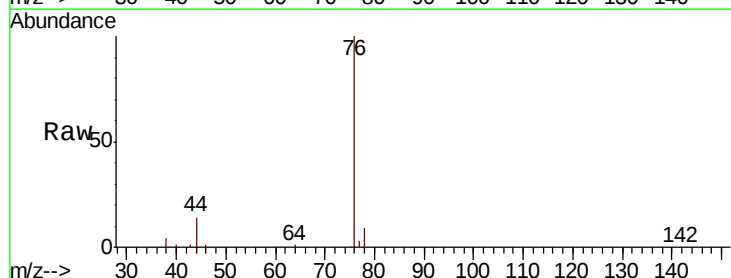
Acq: 29 May 2019 18:18

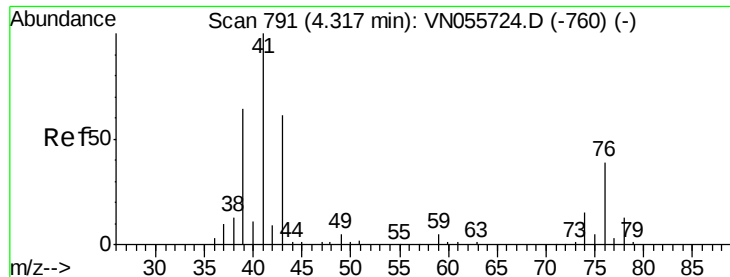
Tgt Ion: 76 Resp: 133160

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

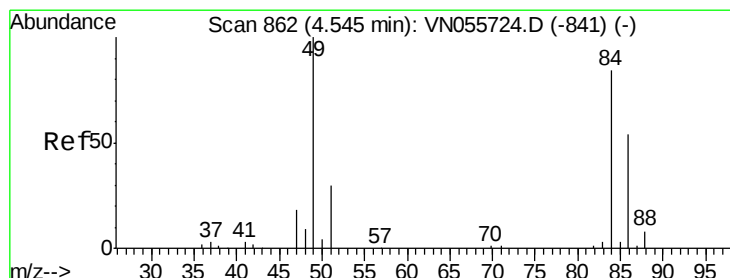
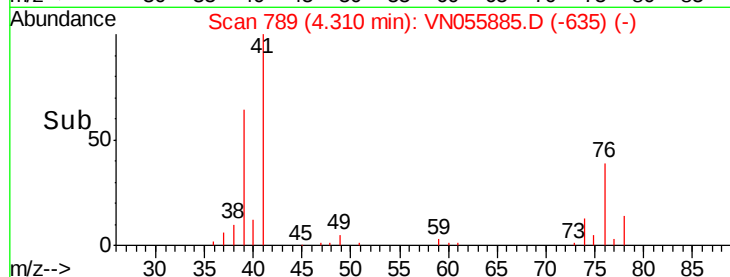
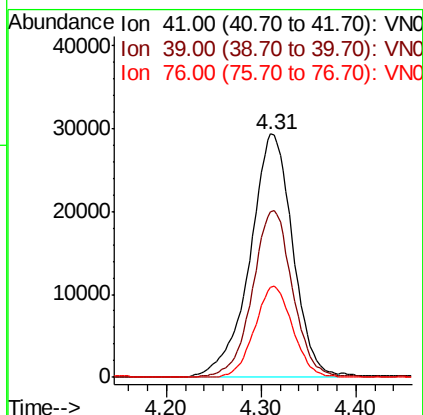
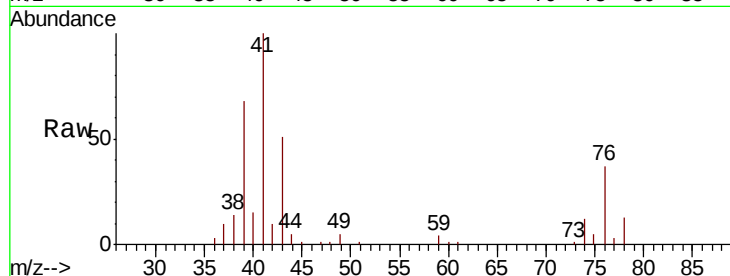




#17
Allvl chloride
Concen: 18.152 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

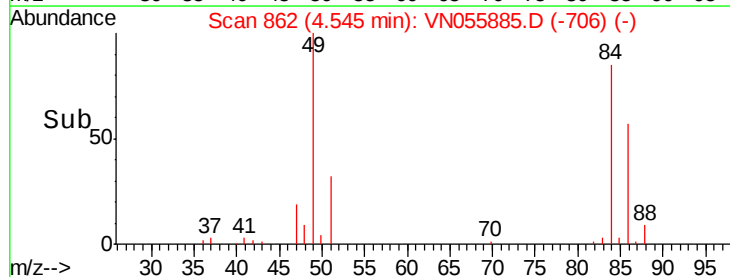
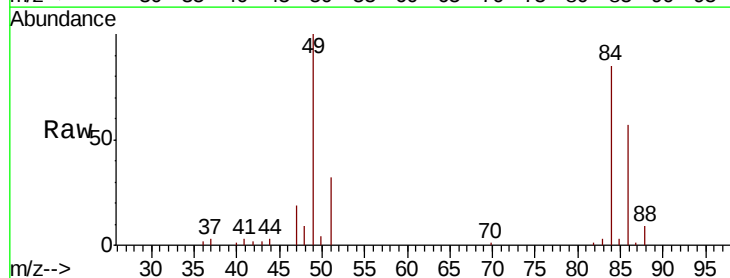
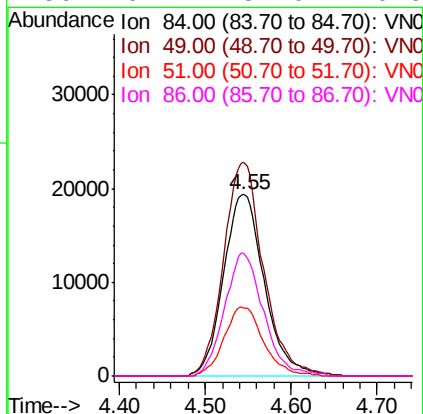
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

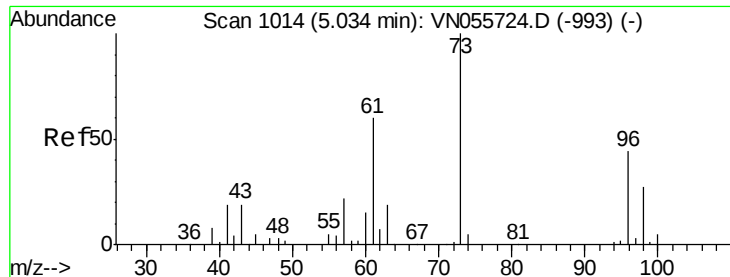
Tot Ion: 41 Resp: 92144
Ion Ratio Lower Upper
41 100
39 68.1 31.8 95.3
76 37.2 19.3 57.9



#18
Methylene Chloride
Concen: 19.815 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 84 Resp: 63965
Ion Ratio Lower Upper
84 100
49 117.6 94.7 142.1
51 37.6 28.6 43.0
86 67.4 51.0 76.6





#19

trans-1,2-Dichloroethene

Concen: 19.490 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

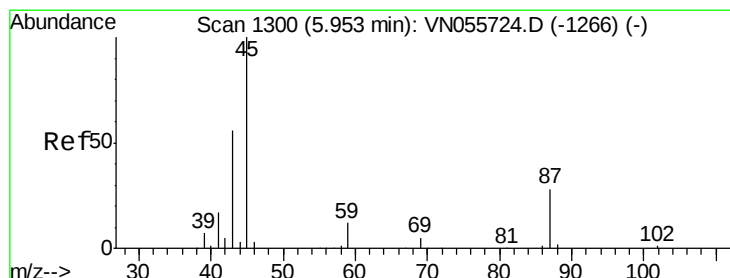
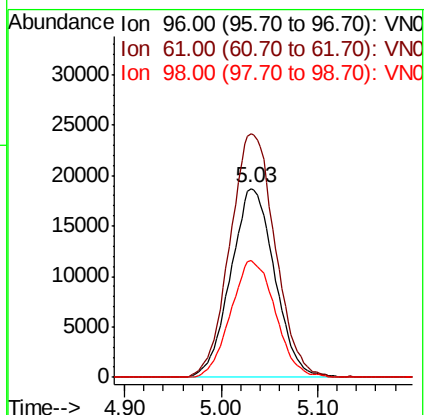
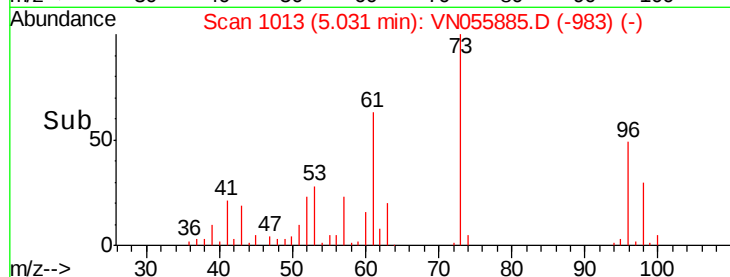
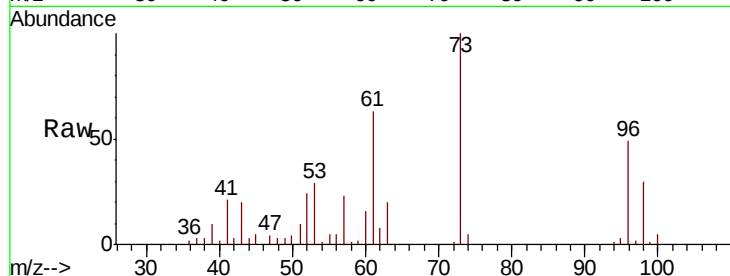
Tot Ion: 96 Resp: 59096

Ion Ratio Lower Upper

96 100

61 128.9 108.5 162.7

98 61.7 49.4 74.2



#20

Diisopropyl ether

Concen: 19.113 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Tgt Ion: 45 Resp: 188222

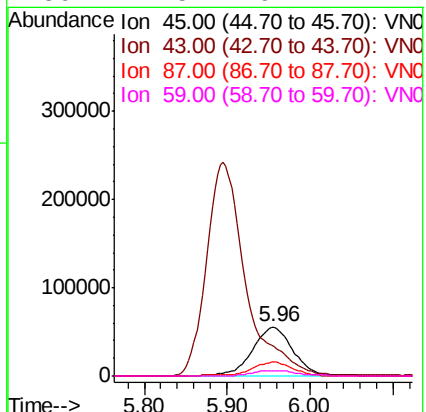
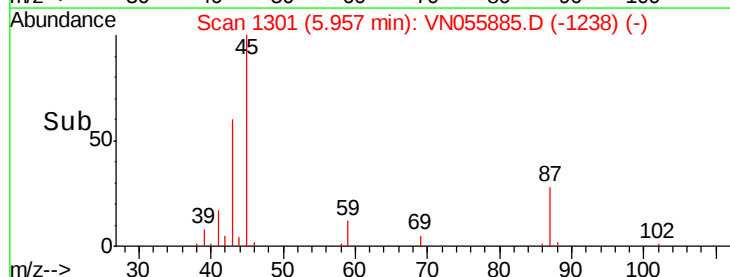
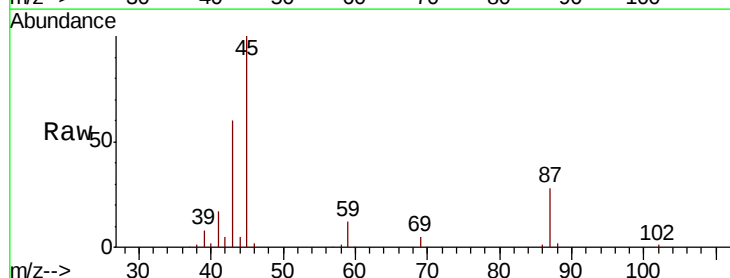
Ion Ratio Lower Upper

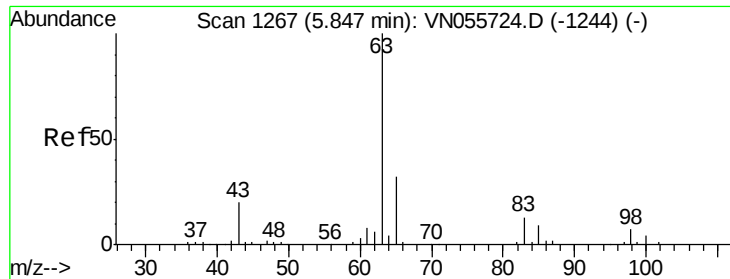
45 100

43 56.6 48.6 73.0

87 27.9 22.6 34.0

59 11.5 9.4 14.2

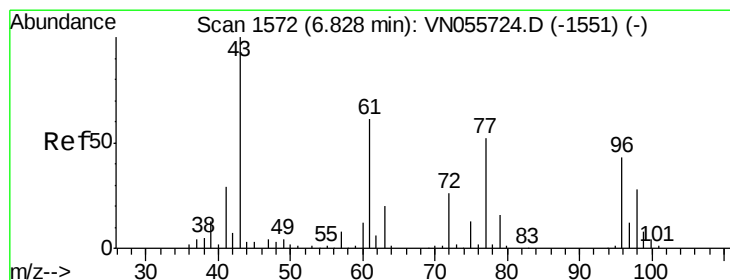
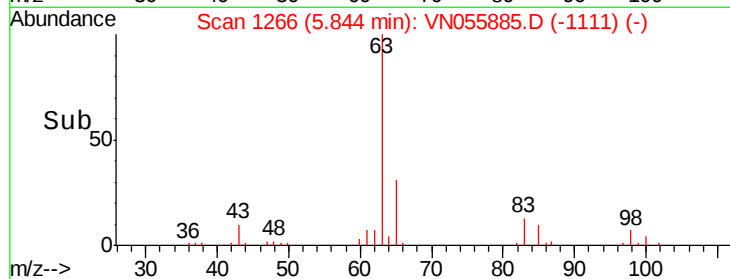
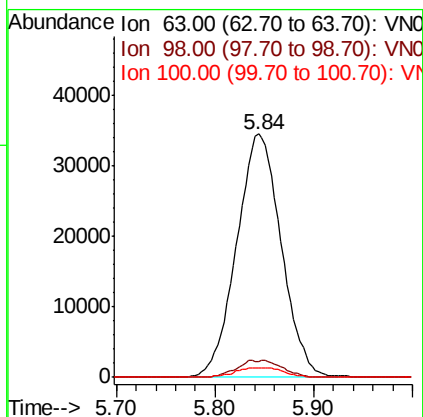
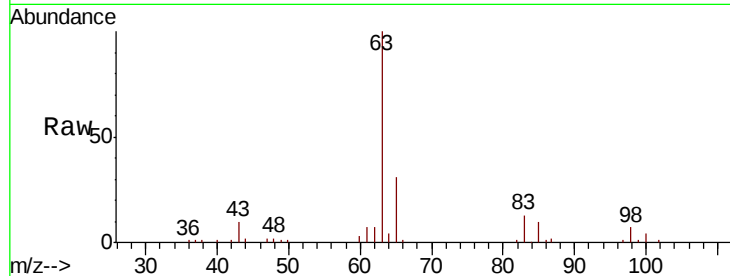




#21
 1,1-Dichloroethane
 Concen: 19.458 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

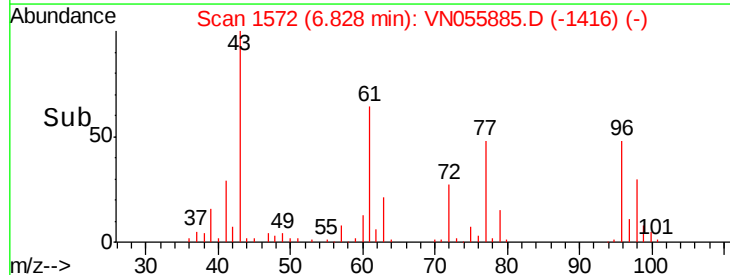
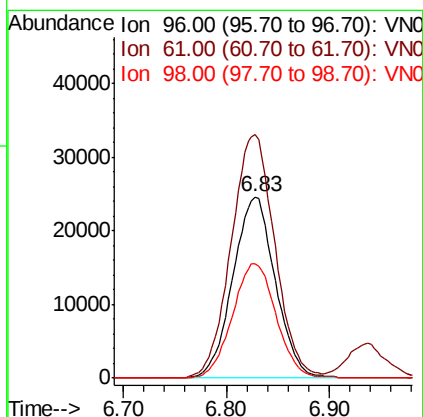
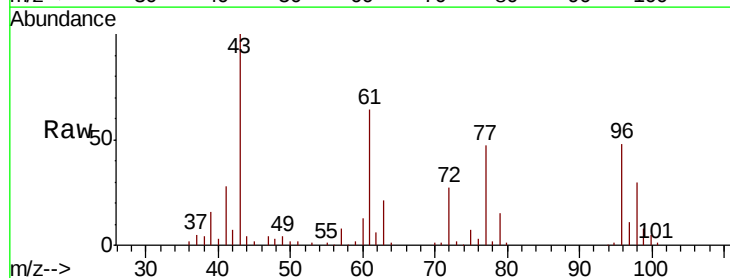
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

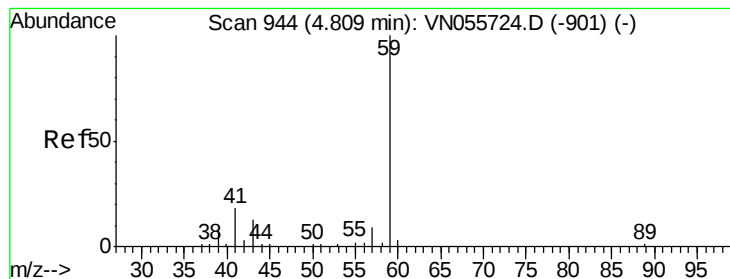
Tot Ion: 63 Resp: 108296
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 3.9 2.2 6.6



#22
 cis-1,2-Dichloroethene
 Concen: 19.906 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 96 Resp: 70391
 Ion Ratio Lower Upper
 96 100
 61 138.0 115.7 173.5
 98 64.9 51.5 77.3





#23

tert-Butyl Alcohol

Concen: 86.379 ug/l

RT: 4.82 min Scan# 946

Delta R.T. 0.01 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

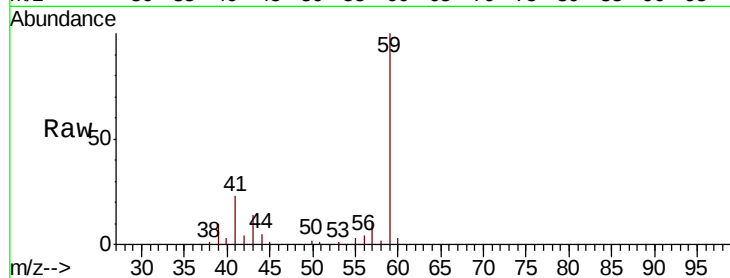
VSTDCCC020EC

Tot Ion: 59 Resp: 59620

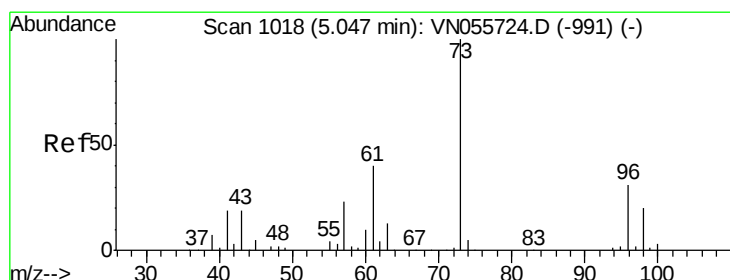
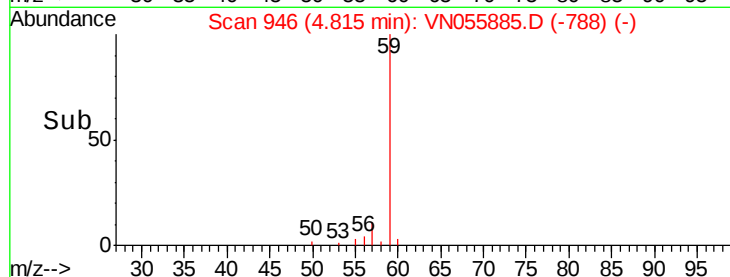
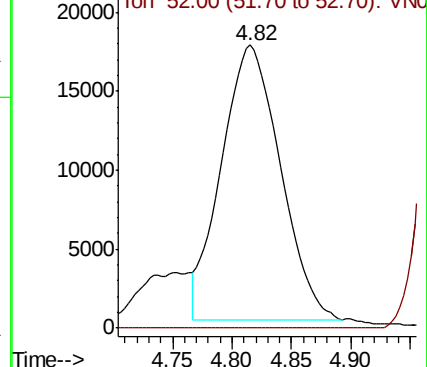
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN055724.D (-901) (-)



#24

Methyl tert-Butyl Ether

Concen: 19.781 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055885.D

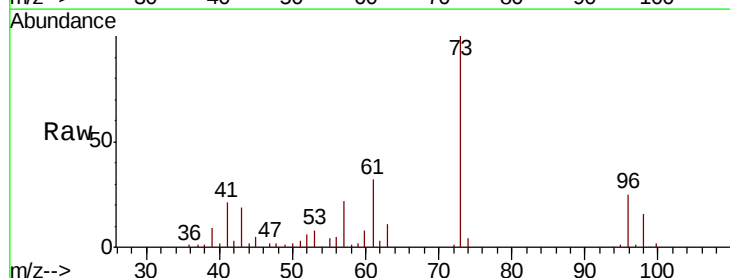
Acq: 29 May 2019 18:18

Tgt Ion: 73 Resp: 189181

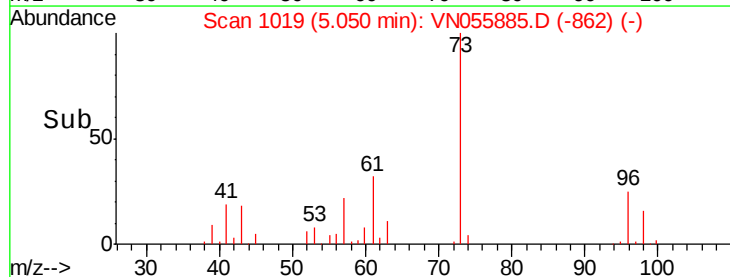
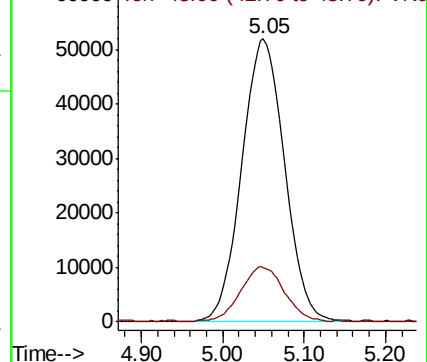
Ion Ratio Lower Upper

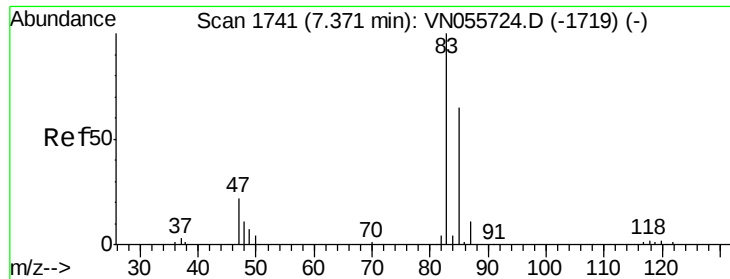
73 100

43 20.1 15.7 23.5



Abundance Ion 73.00 (72.70 to 73.70): VN055724.D (-991) (-)

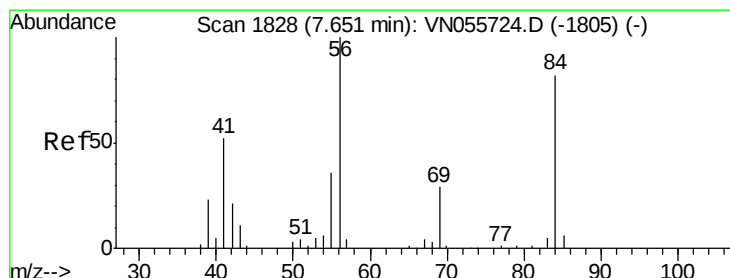
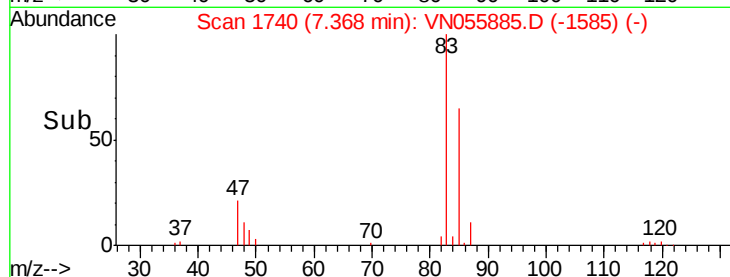
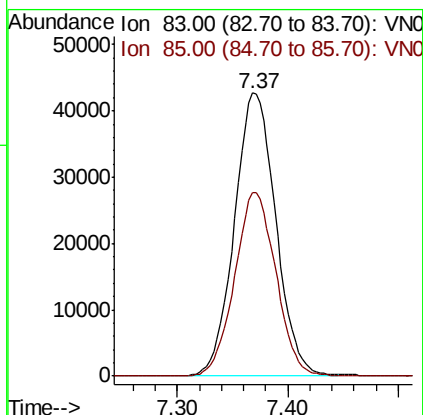
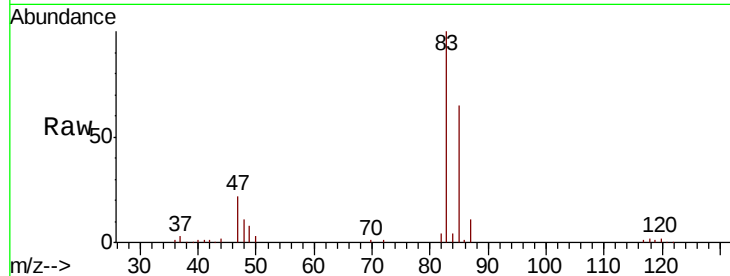




#25
Chloroform
Concen: 20.165 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

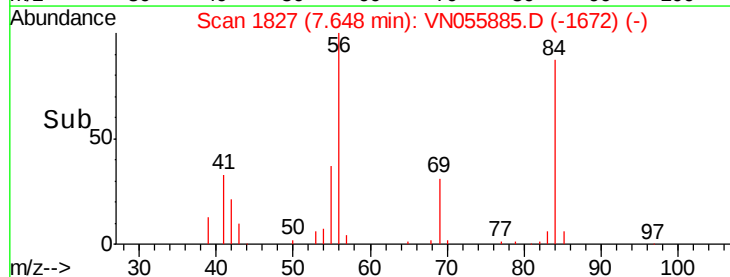
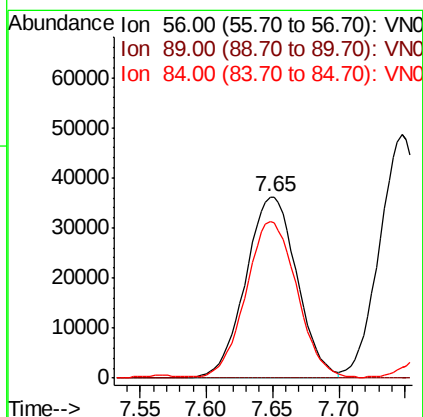
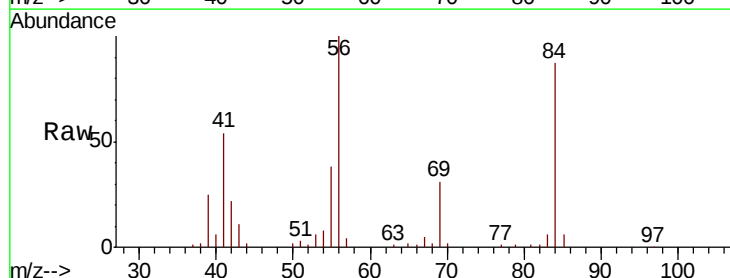
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

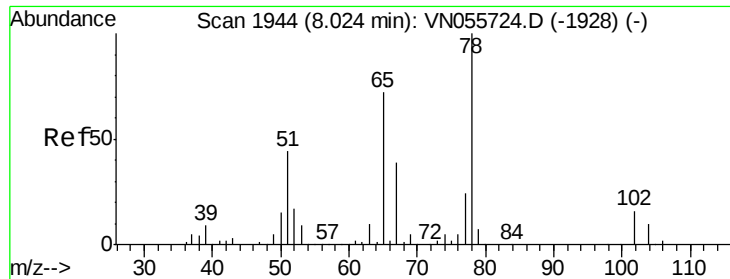
Tot Ion: 83 Resp: 110845
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5



#26
Cyclohexane
Concen: 19.004 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 56 Resp: 97574
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.3 67.2 100.8

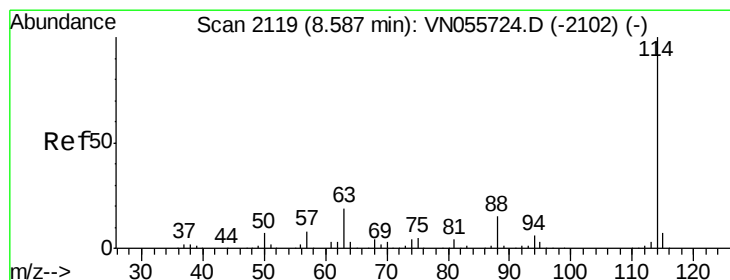
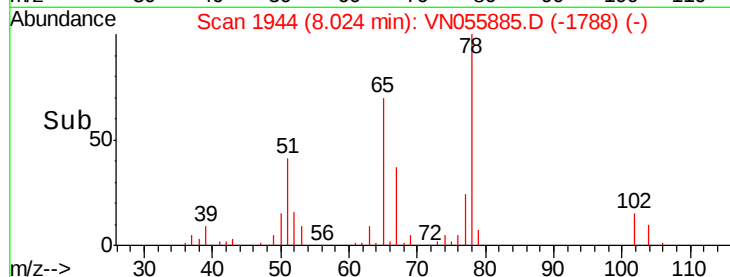
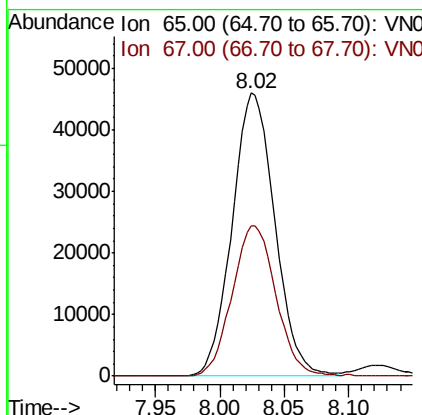
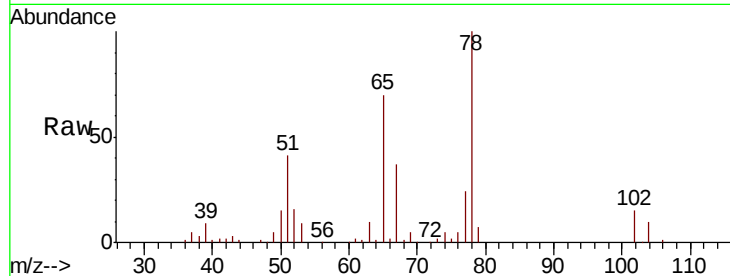




#27
 1,2-Dichloroethane-d4
 Concen: 30.359 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

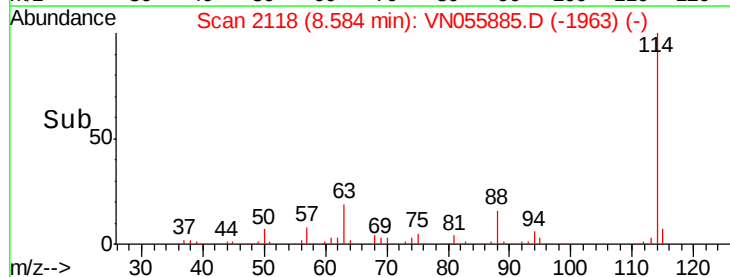
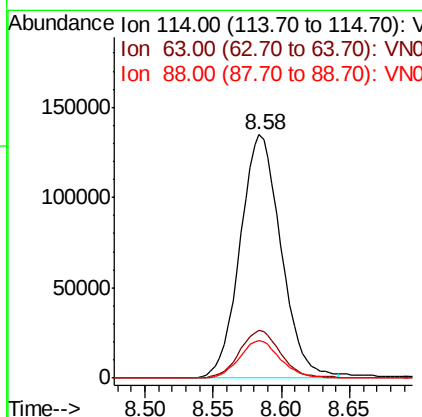
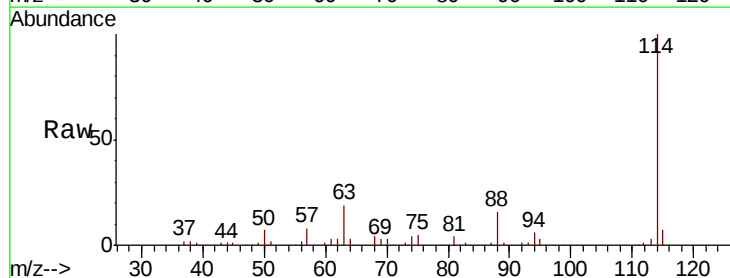
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

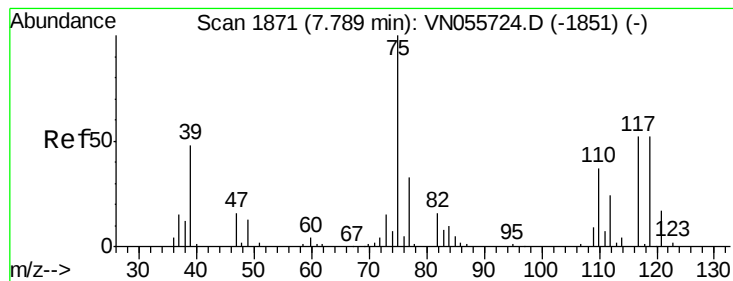
Tot Ion: 65 Resp: 105963
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 114 Resp: 281345
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.6 23.4
 88 15.4 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.234 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

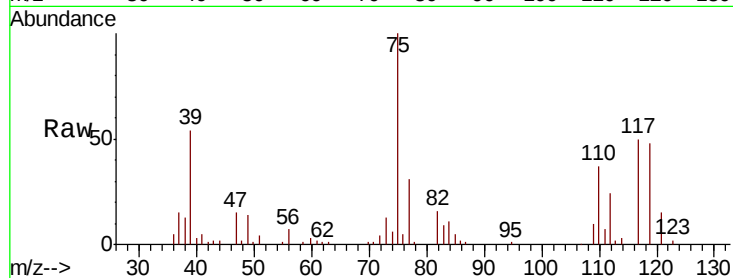
Tot Ion: 75 Resp: 79695

Ion Ratio Lower Upper

75 100

110 37.1 0.0 74.8

77 31.2 0.0 65.2

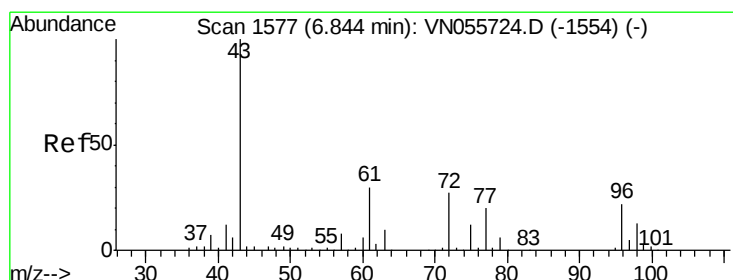
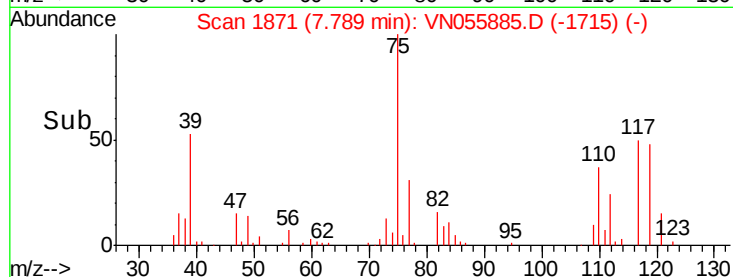


Abundance Ion 75.00 (74.70 to 75.70): VN055724.D (-1851) (-)

Ion 110.00 (109.70 to 110.70): VN055724.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN055724.D (-1851) (-)

Time-->



#30

2-Butanone

Concen: 102.451 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

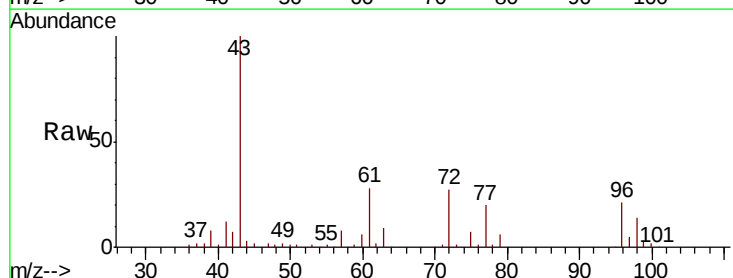
Tgt Ion: 43 Resp: 215074

Ion Ratio Lower Upper

43 100

57 8.5 6.6 10.0

72 27.8 21.7 32.5

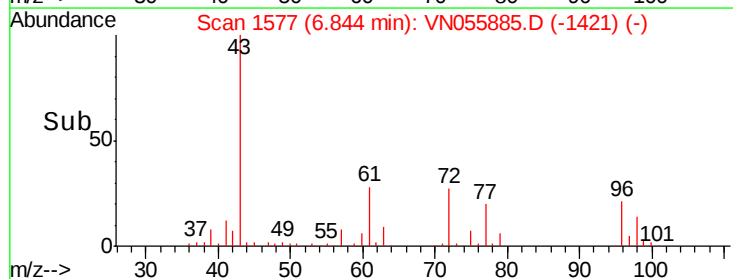


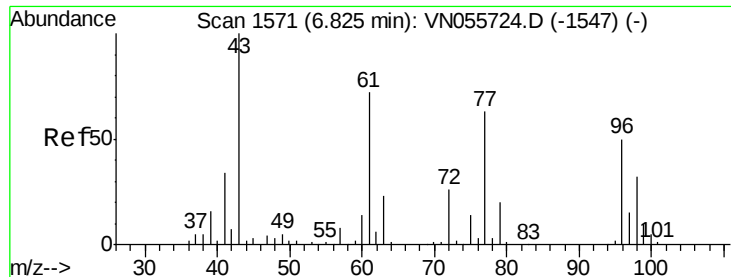
Abundance Ion 43.00 (42.70 to 43.70): VN055724.D (-1554) (-)

Ion 57.00 (56.70 to 57.70): VN055724.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN055724.D (-1554) (-)

Time-->





#31

2,2-Dichloropropane

Concen: 18.074 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

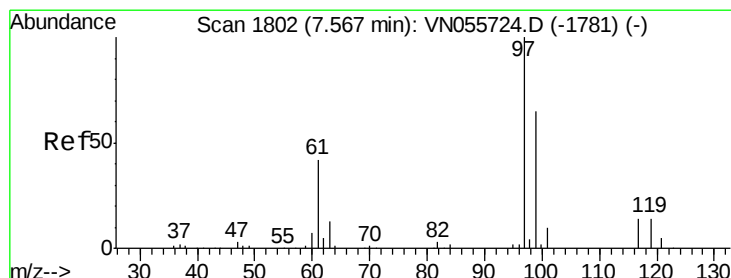
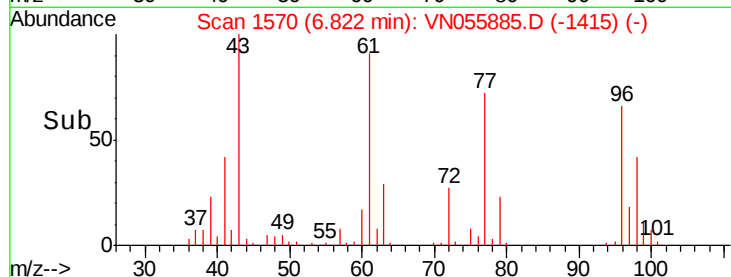
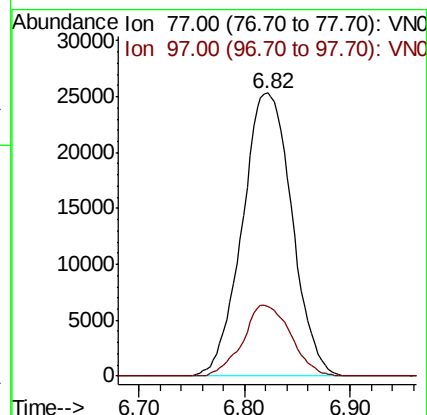
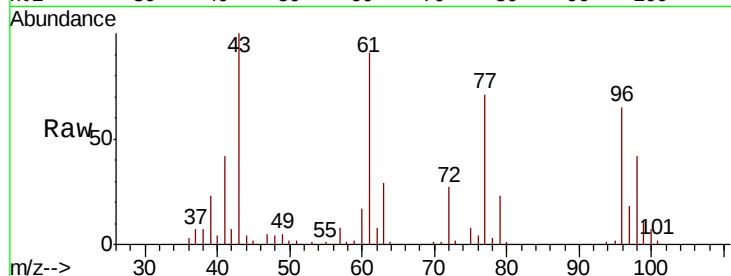
VSTDCCC020EC

Tot Ion: 77 Resp: 82838

Ion Ratio Lower Upper

77 100

97 24.2 19.2 28.8



#32

1,1,1-Trichloroethane

Concen: 19.714 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

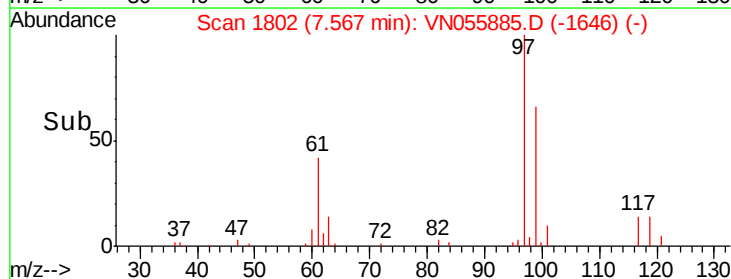
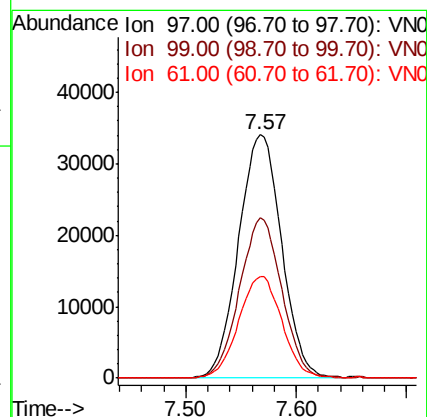
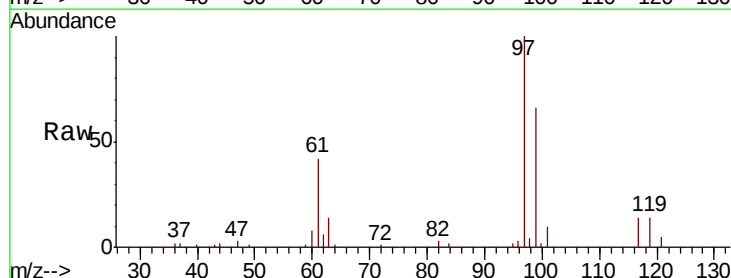
Tgt Ion: 97 Resp: 92033

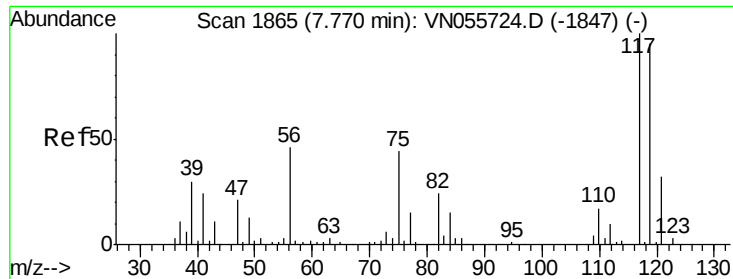
Ion Ratio Lower Upper

97 100

99 64.6 51.7 77.5

61 42.1 33.1 49.7





#33

Carbon Tetrachloride

Concen: 18.794 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

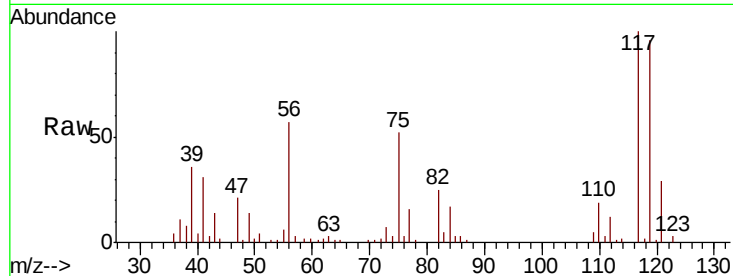
Tot Ion:117 Resp: 78484

Ion Ratio Lower Upper

117 100

119 96.1 75.8 113.8

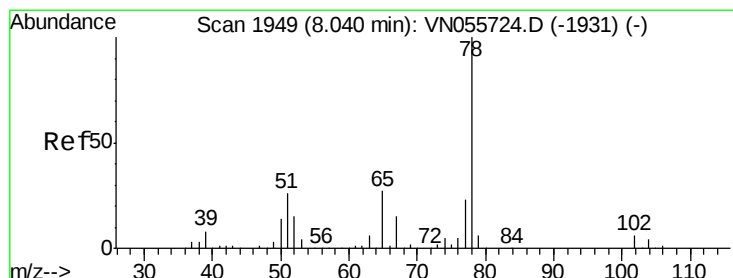
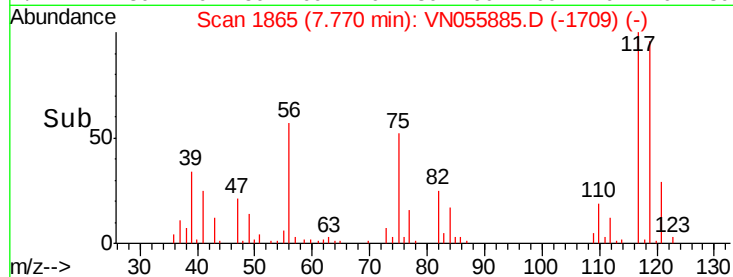
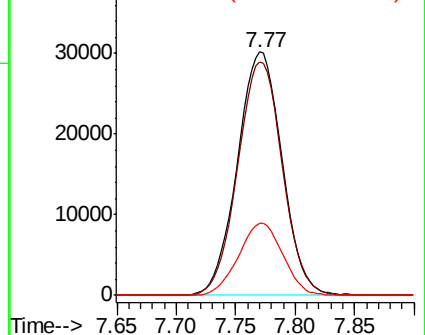
121 29.5 25.4 38.0



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: 20.791 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

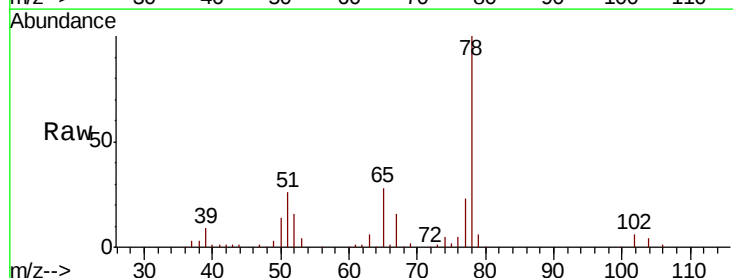
Tgt Ion: 78 Resp: 252809

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2

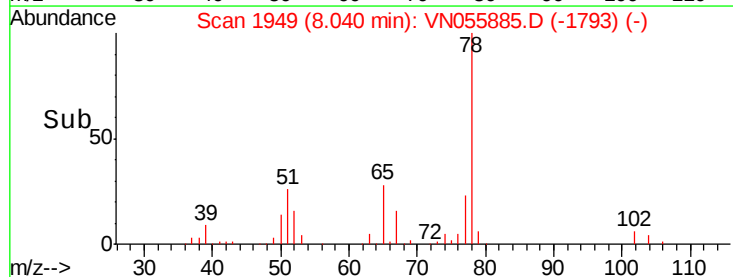
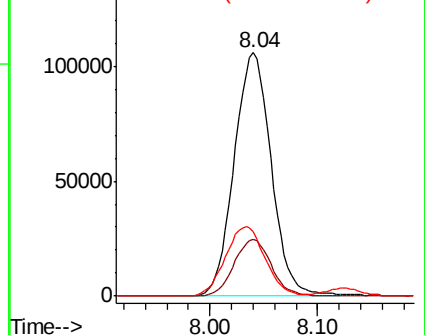
51 26.0 20.6 31.0

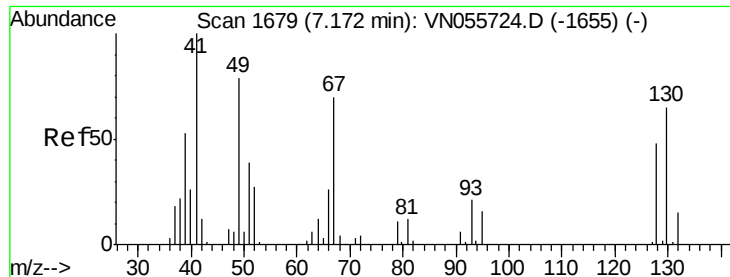


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

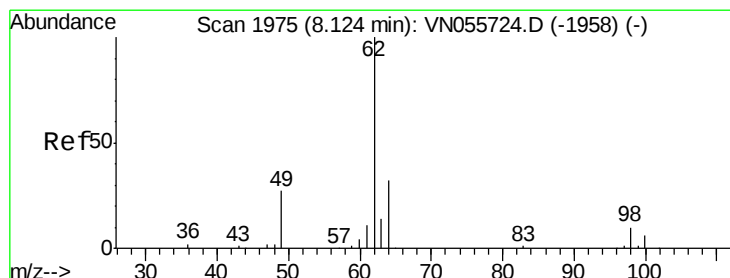
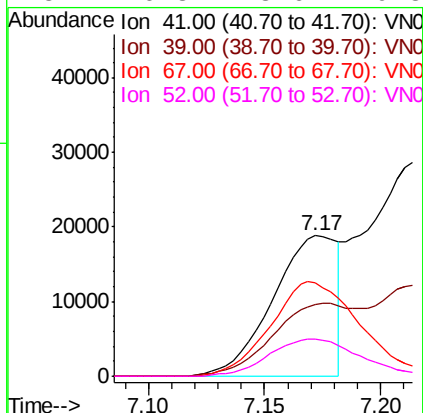
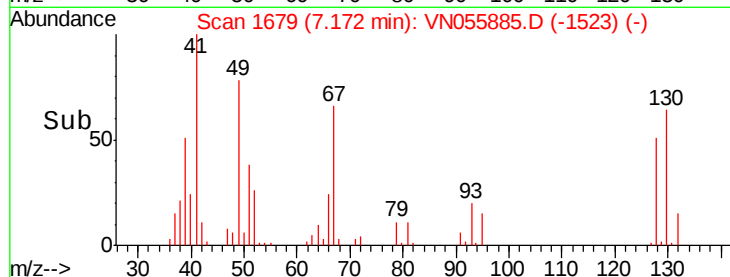
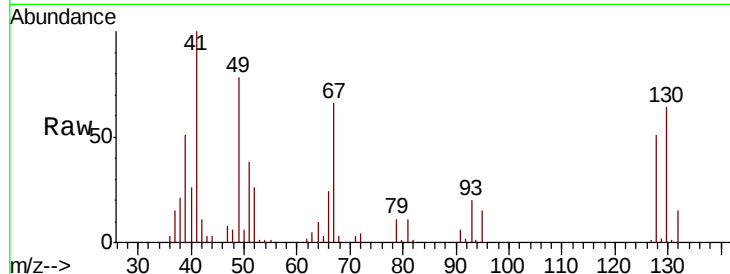




#35
Methacrylonitrile
Concen: 18.779 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

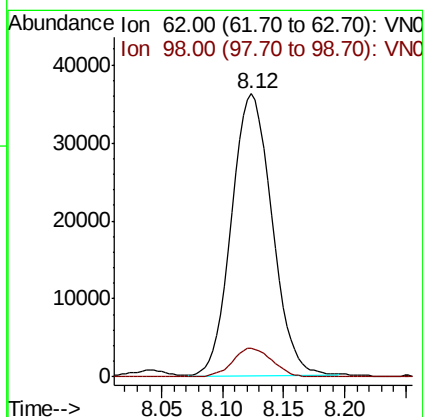
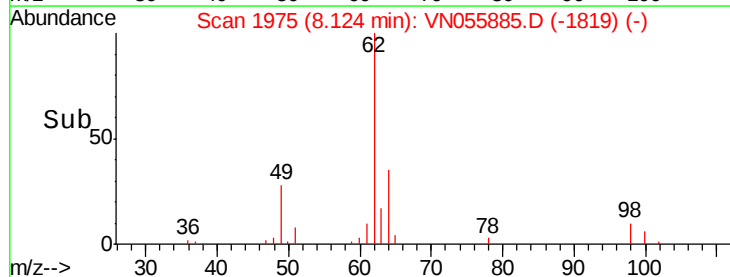
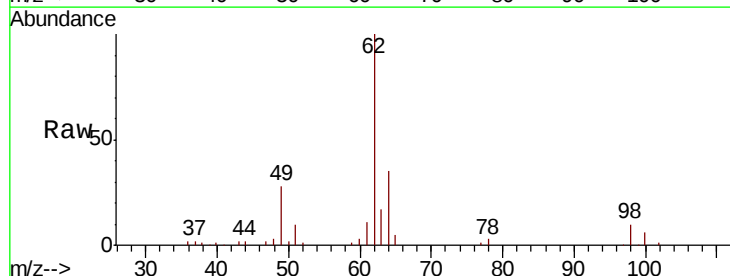
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

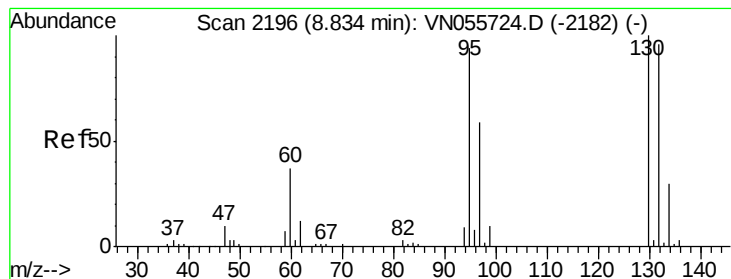
Tot Ion: 41 Resp: 36386
Ion Ratio Lower Upper
41 100
39 51.2 26.7 80.1
67 66.1 34.9 104.7
52 26.3 13.6 40.8



#36
1,2-Dichloroethane
Concen: 20.954 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 62 Resp: 83263
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.2





#37

Trichloroethene

Concen: 20.093 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

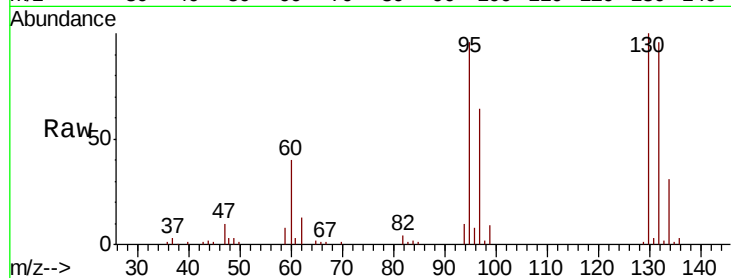
VSTDCCC020EC

Tot Ion:130 Resp: 68168

Ion Ratio Lower Upper

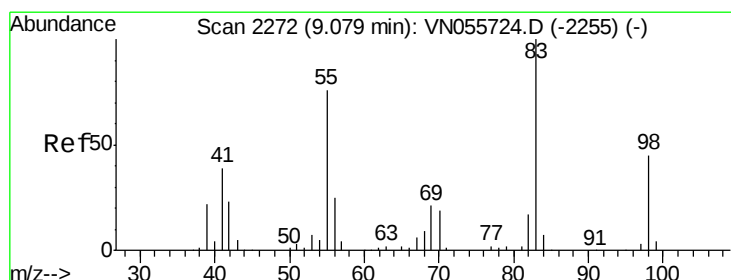
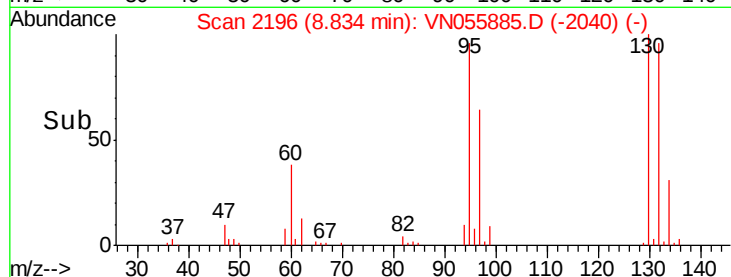
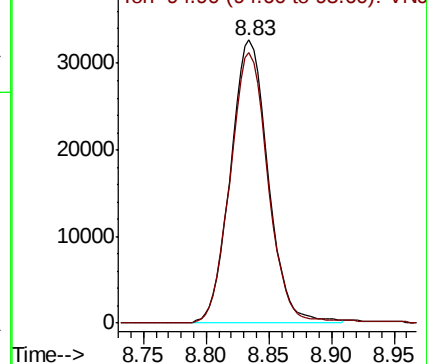
130 100

95 95.8 75.6 113.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.615 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

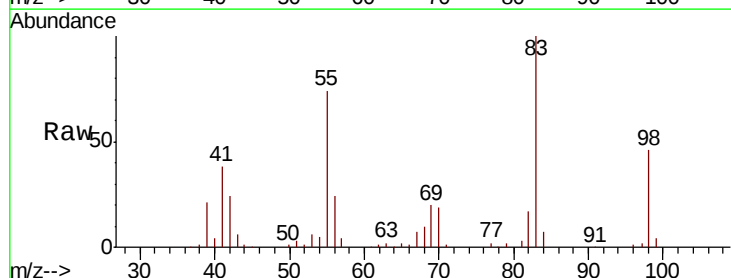
Tgt Ion: 83 Resp: 97878

Ion Ratio Lower Upper

83 100

55 74.1 37.8 113.4

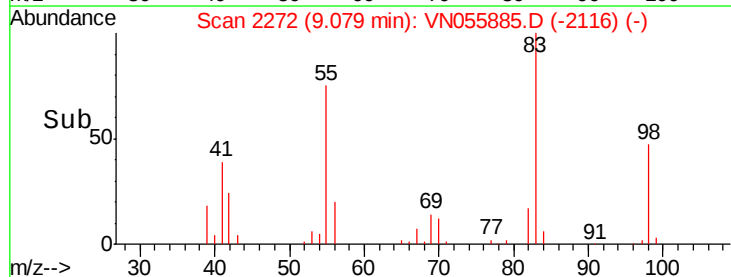
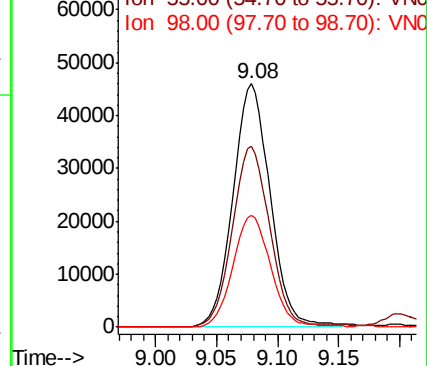
98 46.3 22.6 67.8

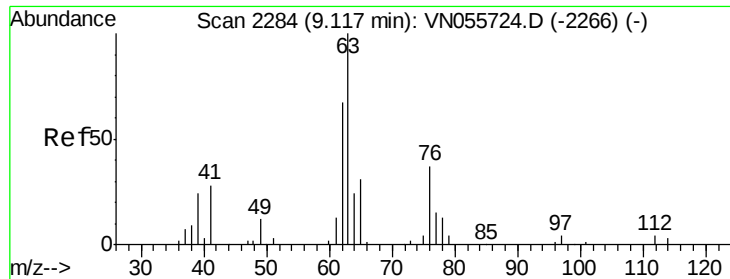


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

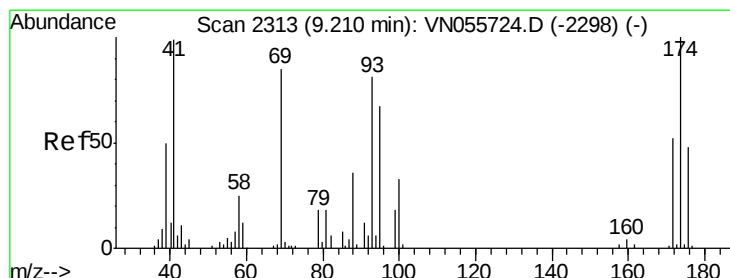
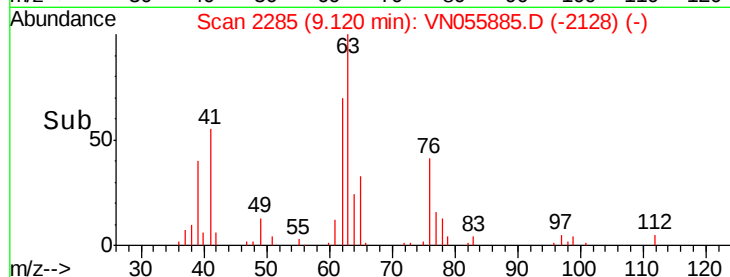
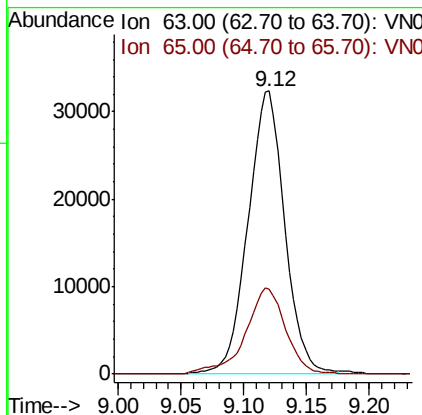
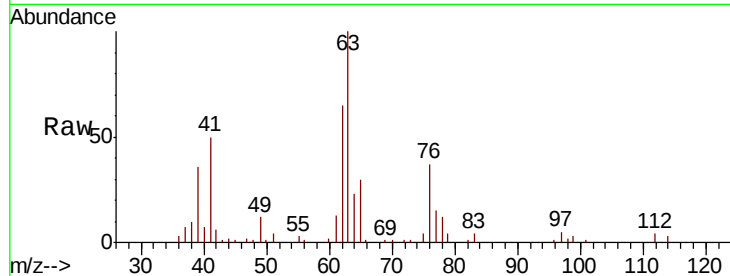




#39
 1,2-Dichloropropane
 Concen: 20.193 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

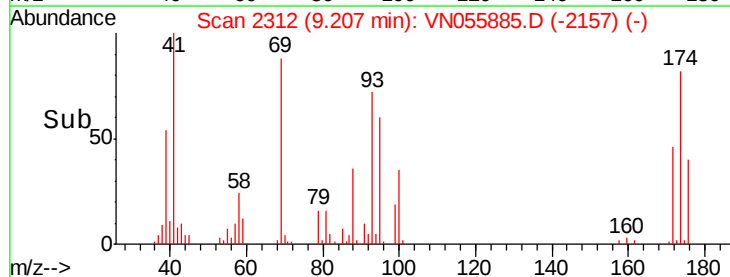
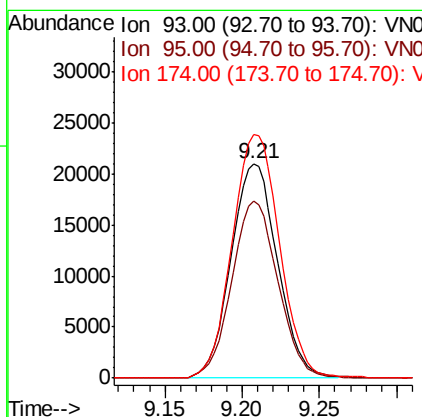
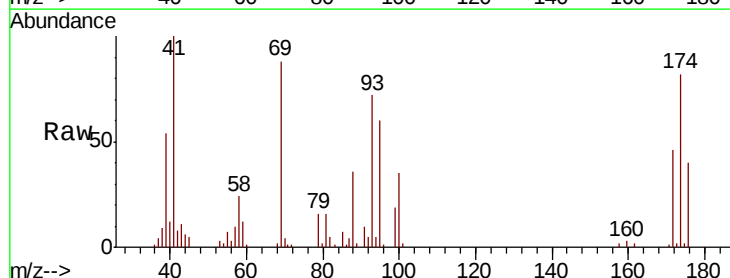
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

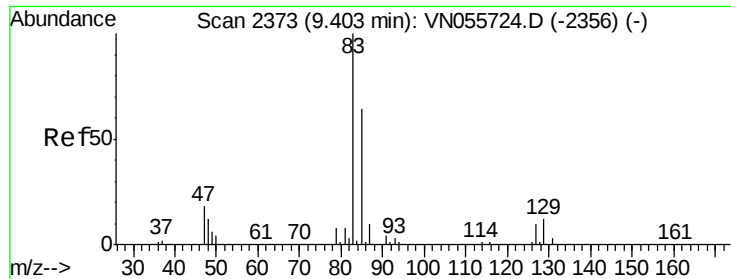
Tot Ion: 63 Resp: 66009
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.8 38.8



#40
 Dibromomethane
 Concen: 20.766 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 93 Resp: 43833
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 170.6
 174 116.0 0.0 248.4





#41

Bromodichloromethane

Concen: 18.775 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

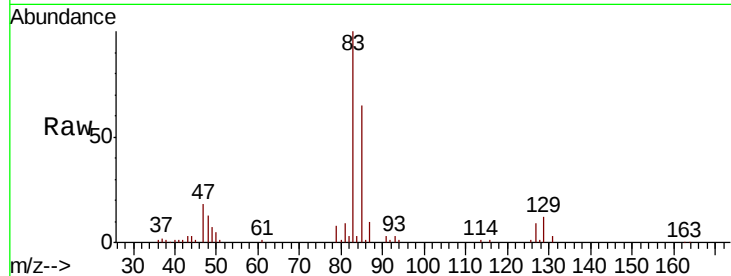
Tot Ion: 83 Resp: 81223

Ion Ratio Lower Upper

83 100

85 65.4 51.4 77.0

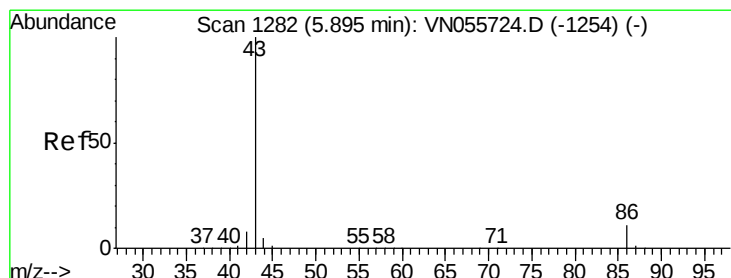
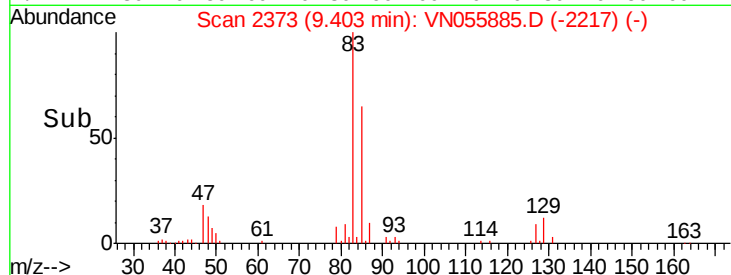
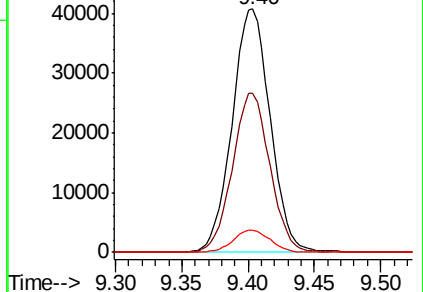
127 9.0 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 98.054 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055885.D

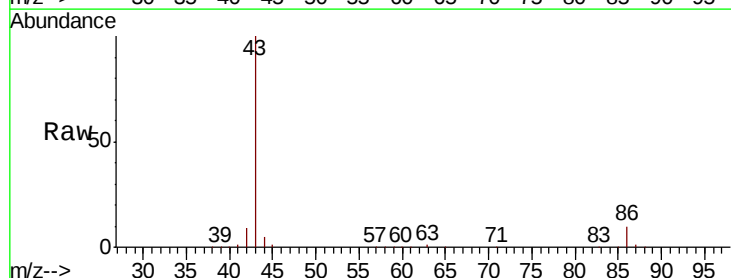
Acq: 29 May 2019 18:18

Tgt Ion: 43 Resp: 799194

Ion Ratio Lower Upper

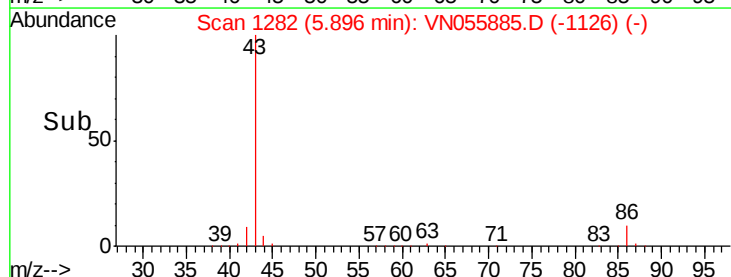
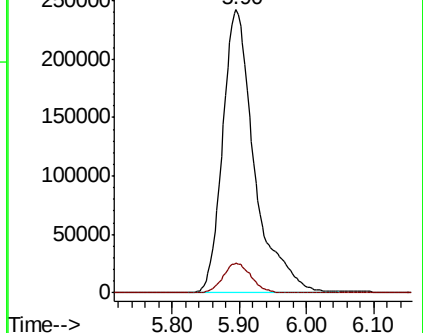
43 100

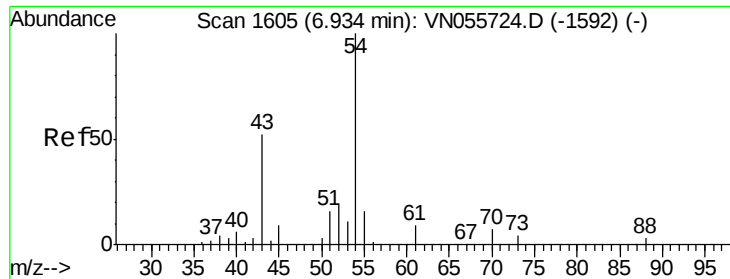
86 9.4 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.645 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

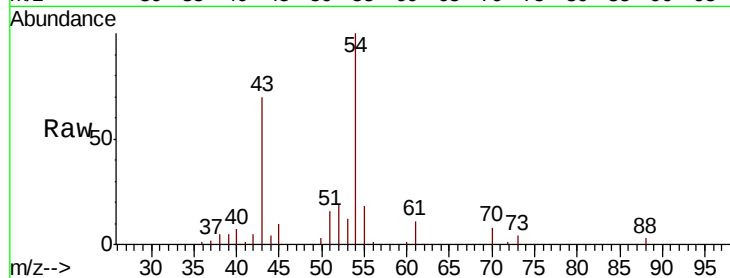
VSTDCCC020EC

Tot Ion: 43 Resp: 85190

Ion Ratio Lower Upper

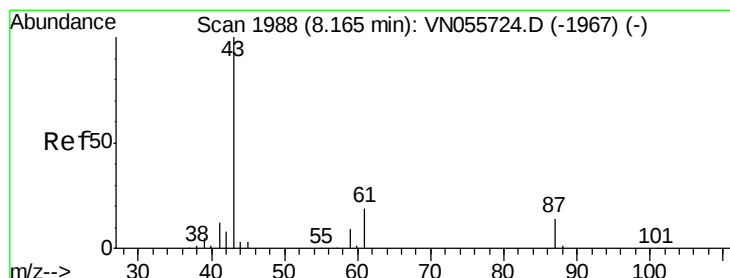
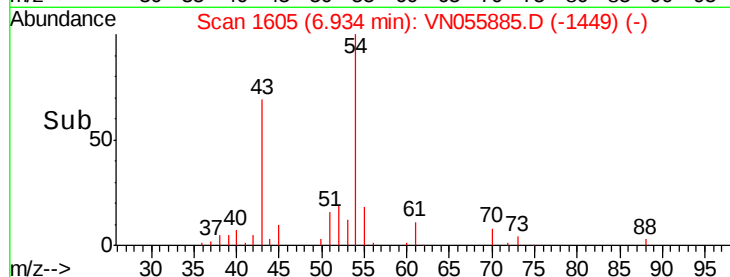
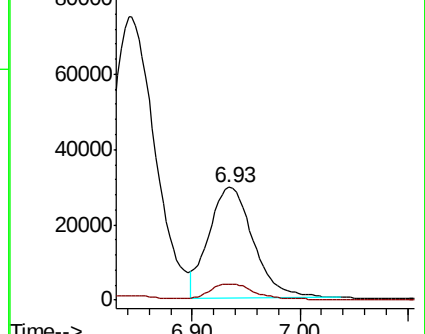
43 100

45 15.7 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.855 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055885.D

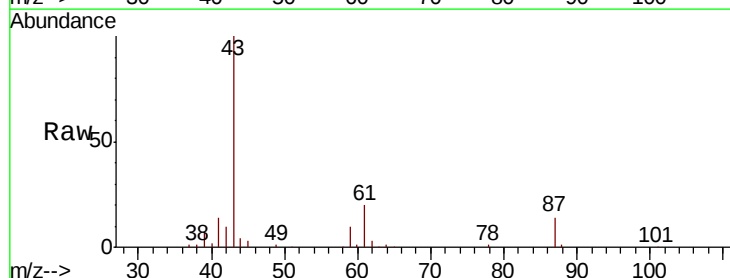
Acq: 29 May 2019 18:18

Tgt Ion: 43 Resp: 135668

Ion Ratio Lower Upper

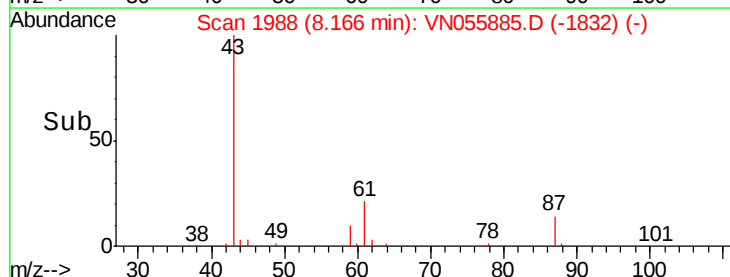
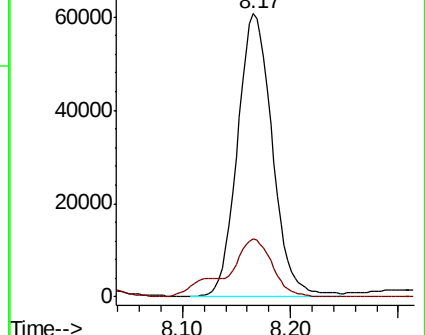
43 100

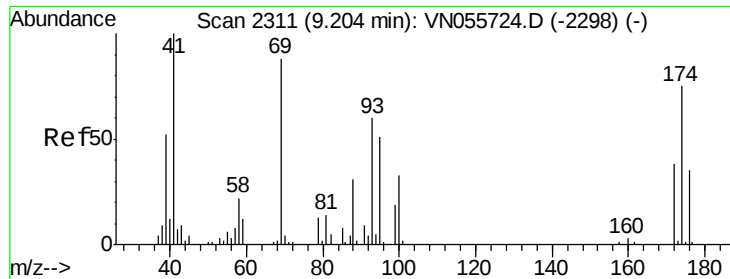
61 20.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



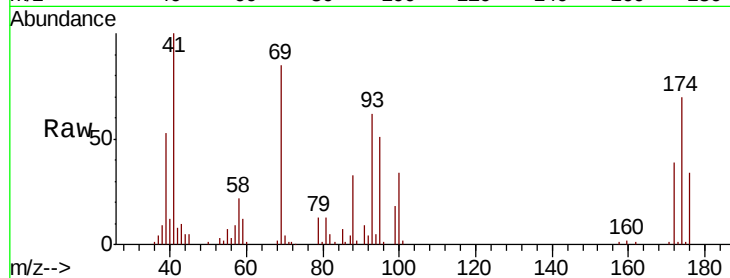


#45
 1,4-Dioxane
 Concen: 412.193 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

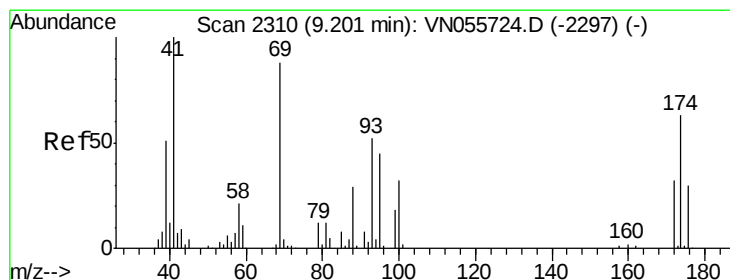
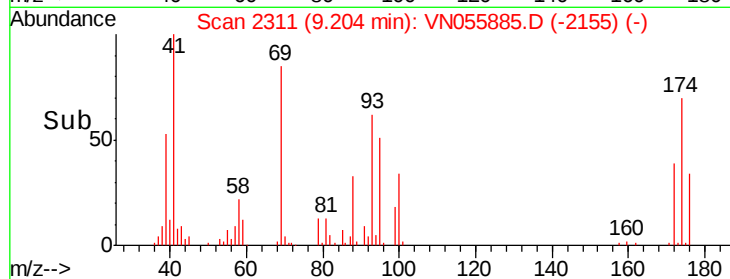
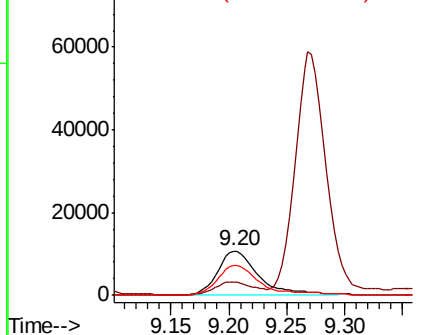
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 26497

Ion	Ratio	Lower	Upper
88	100		
43	26.8	20.5	30.7
58	66.9	56.1	84.1



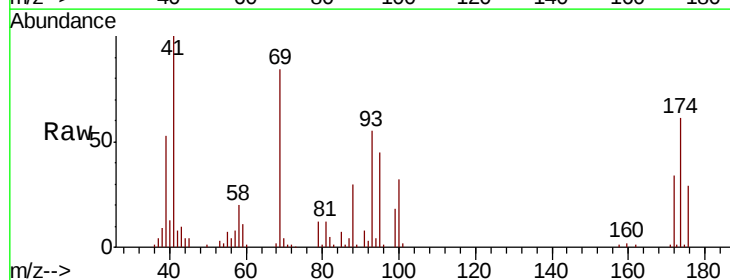
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



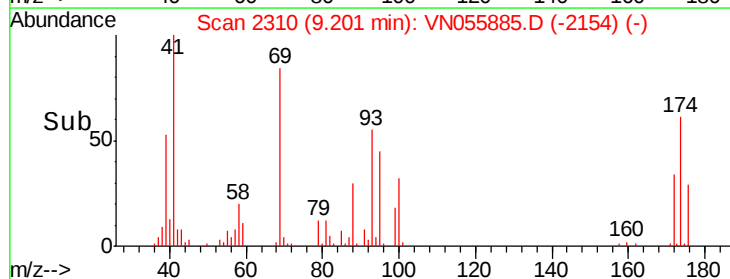
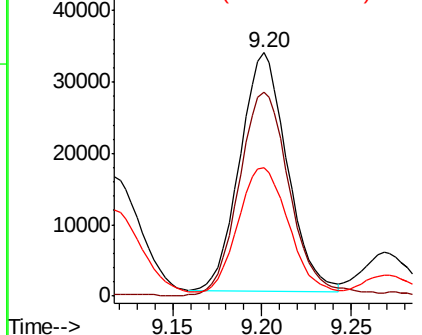
#46
 Methyl methacrylate
 Concen: 19.391 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

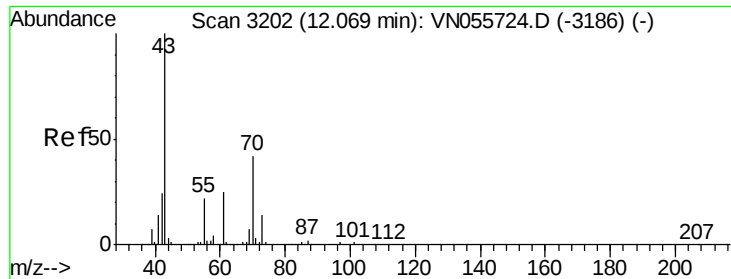
Tgt Ion: 41 Resp: 61820

Ion	Ratio	Lower	Upper
41	100		
69	85.3	43.8	131.4
39	52.6	25.6	76.6



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

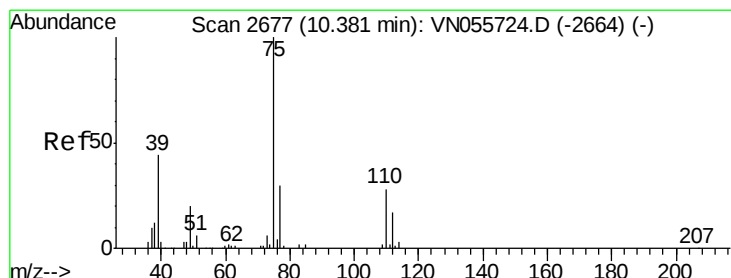
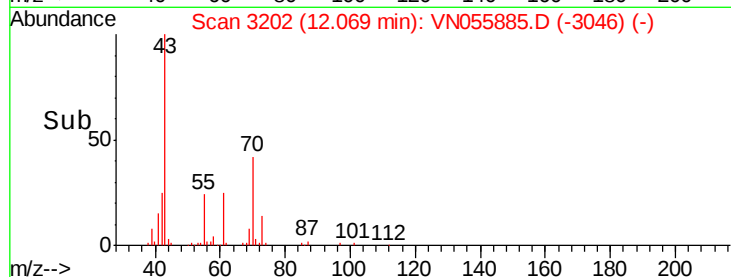
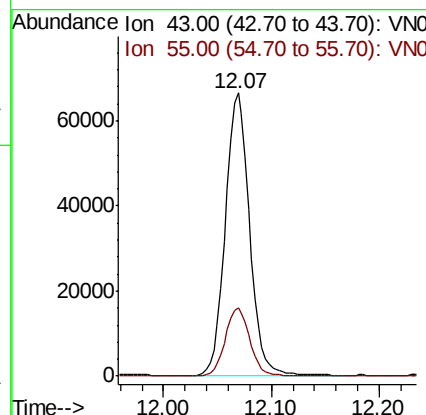
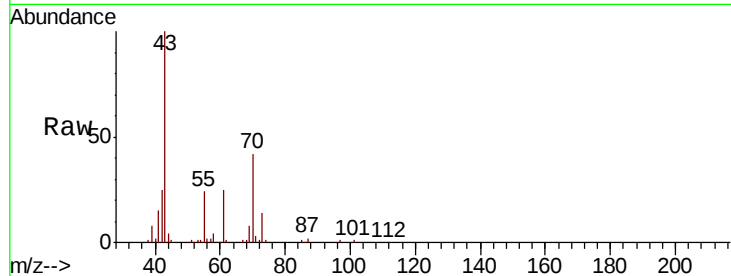




#47
n-amvl Acetate
Concen: 18.504 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

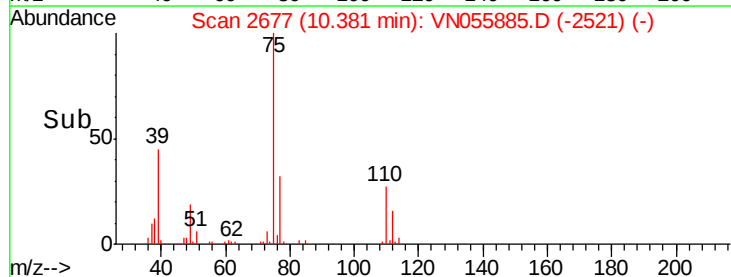
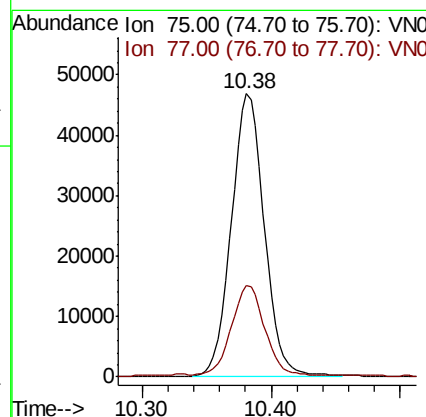
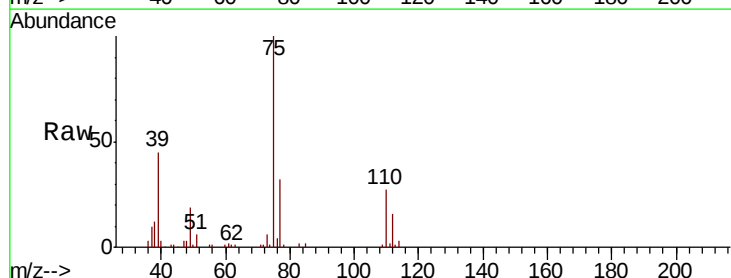
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

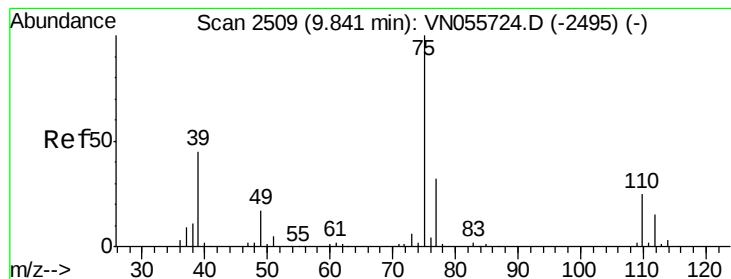
Tot Ion: 43 Resp: 104579
Ion Ratio Lower Upper
43 100
55 24.2 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 17.444 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 75 Resp: 83303
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8



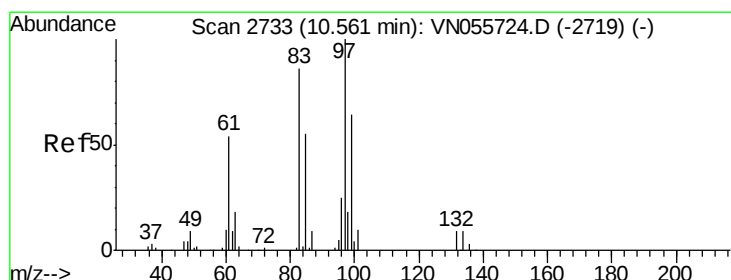
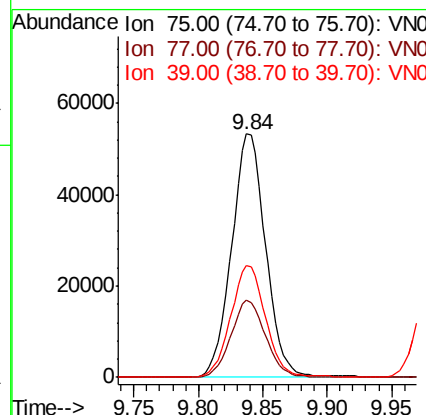
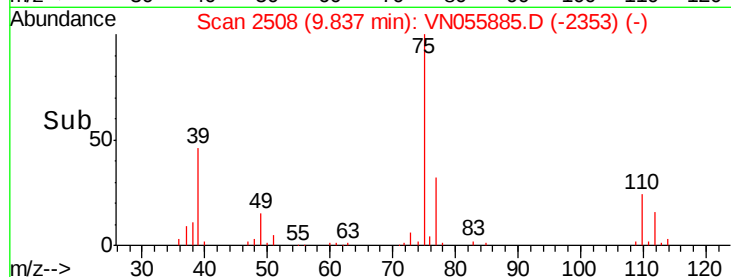
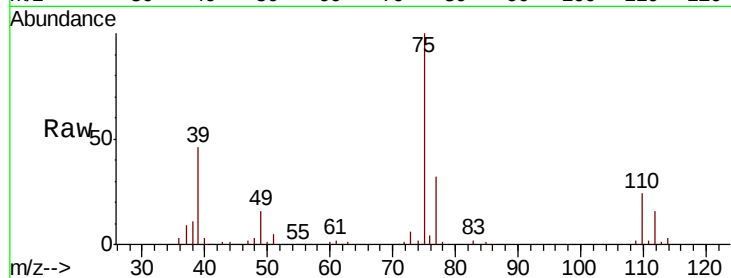


#49

cis-1,3-Dichloropropene
Concen: 18.723 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

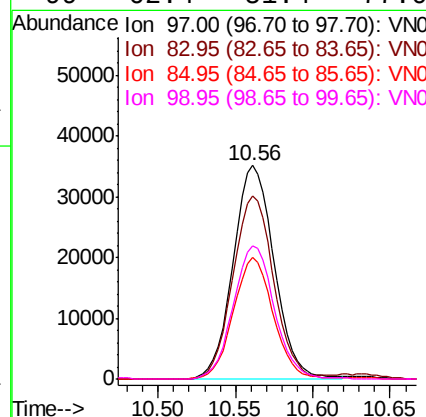
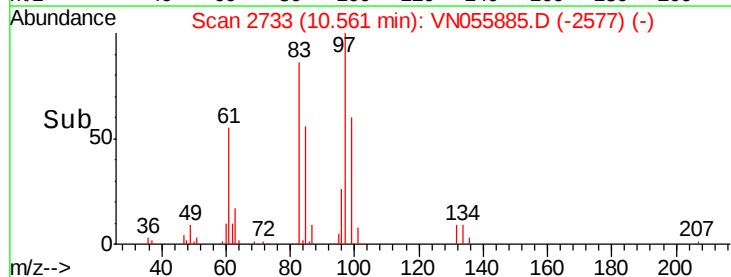
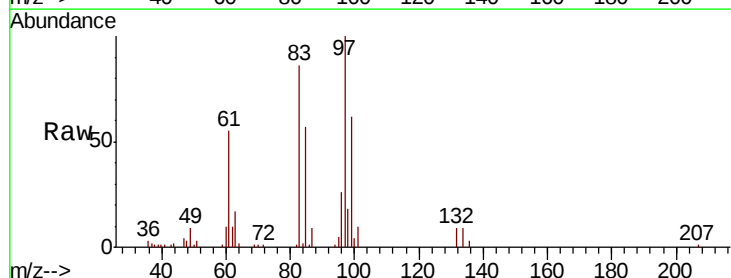
Tot Ion: 75 Resp: 97863
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0
39 46.0 36.2 54.4

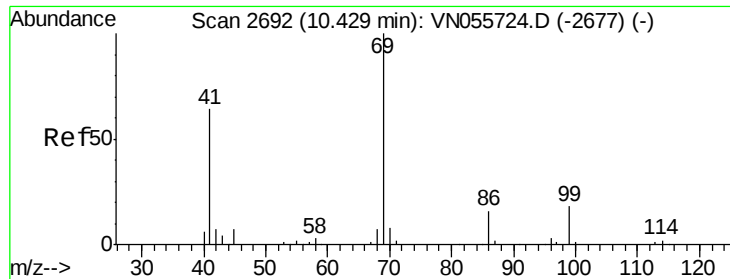


#50

1,1,2-Trichloroethane
Concen: 21.118 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 97 Resp: 64895
Ion Ratio Lower Upper
97 100
83 85.7 68.9 103.3
85 56.4 44.3 66.5
99 62.4 51.4 77.0





#51

Ethyl methacrylate

Concen: 19.567 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

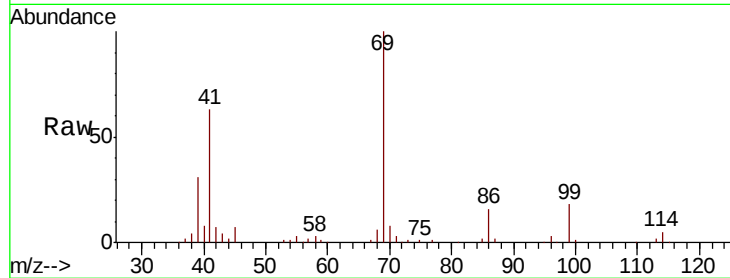
Tot Ion: 69 Resp: 96917

Ion Ratio Lower Upper

69 100

41 62.9 31.9 95.7

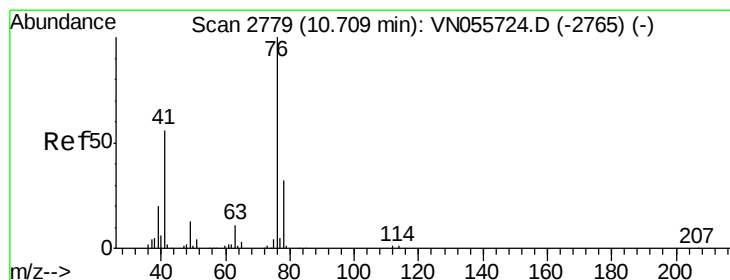
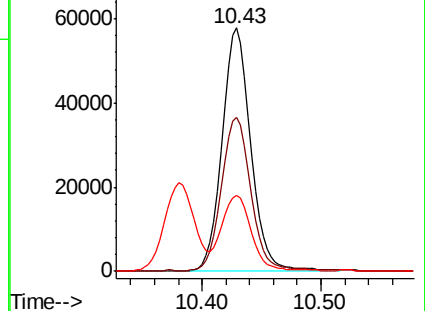
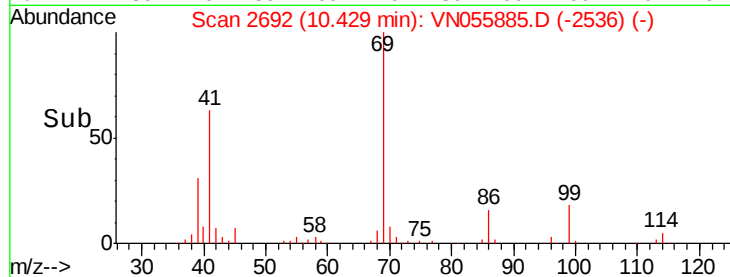
39 31.0 15.7 47.0



Abundance Ion 69.00 (68.70 to 69.70): VN055885.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN055885.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN055885.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 20.755 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055885.D

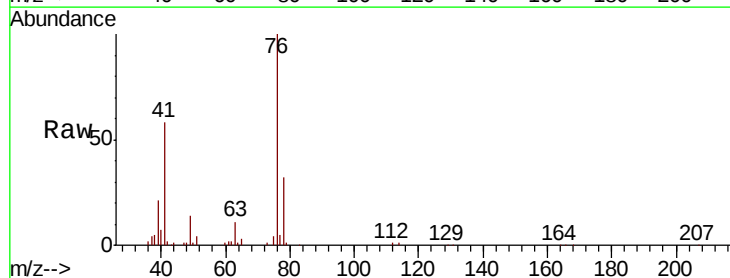
Acq: 29 May 2019 18:18

Tgt Ion: 76 Resp: 105128

Ion Ratio Lower Upper

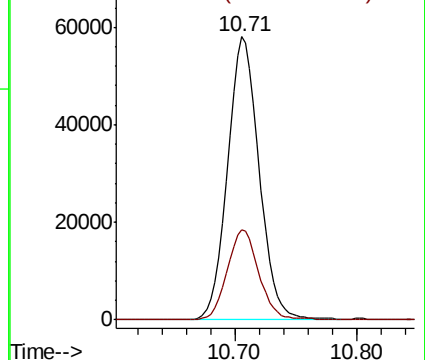
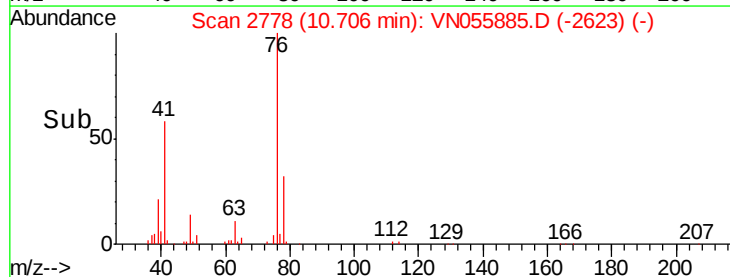
76 100

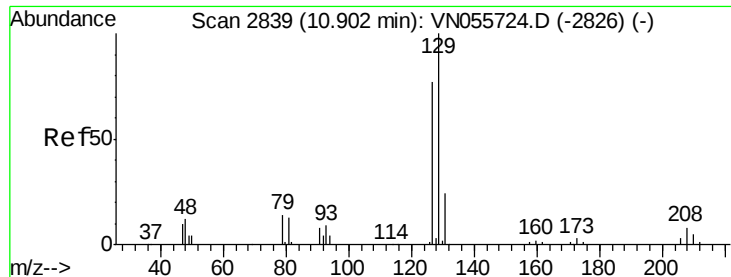
78 31.5 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN055885.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN055885.D (-2623) (-)





#53

Dibromochloromethane

Concen: 17.631 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

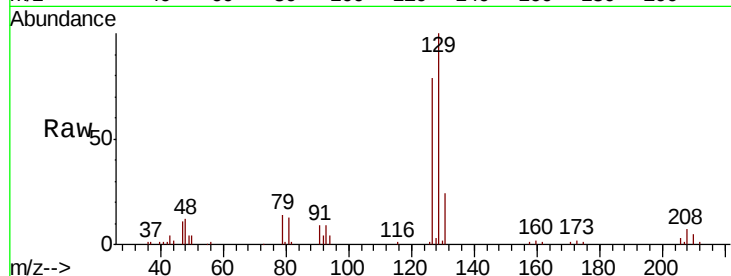
VSTDCCC020EC

Tot Ion:129 Resp: 64002

Ion Ratio Lower Upper

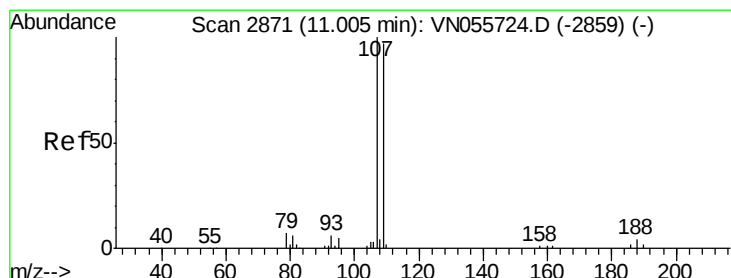
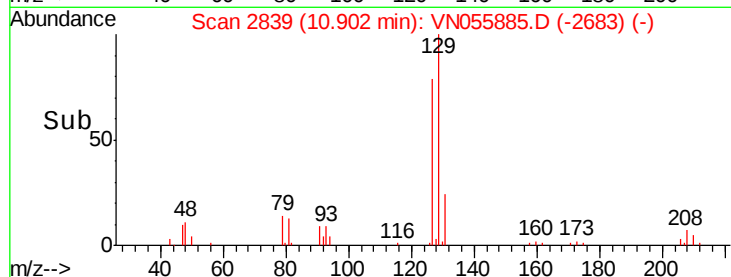
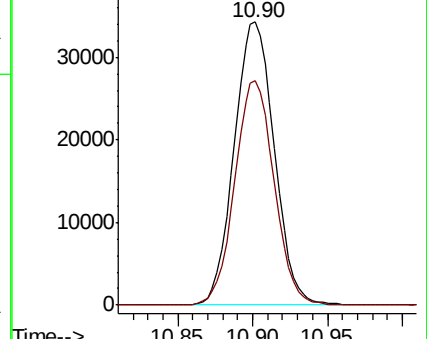
129 100

127 77.5 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.649 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055885.D

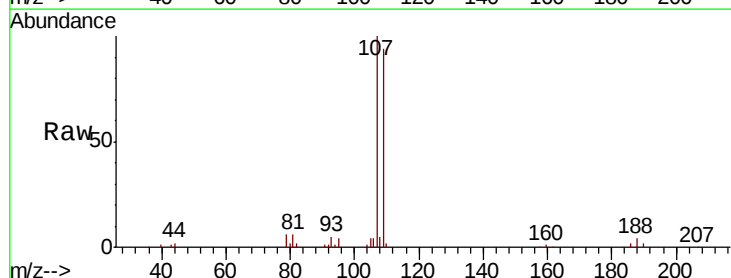
Acq: 29 May 2019 18:18

Tgt Ion:107 Resp: 65660

Ion Ratio Lower Upper

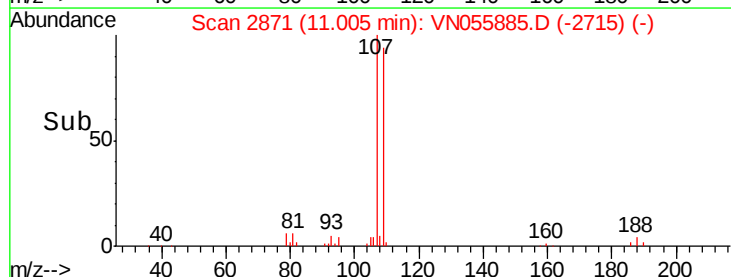
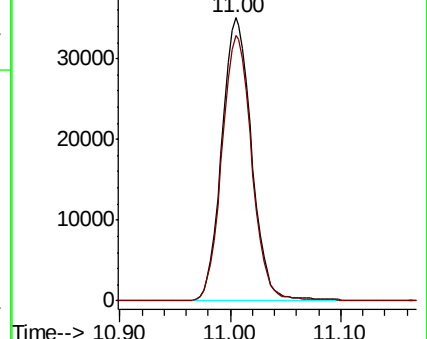
107 100

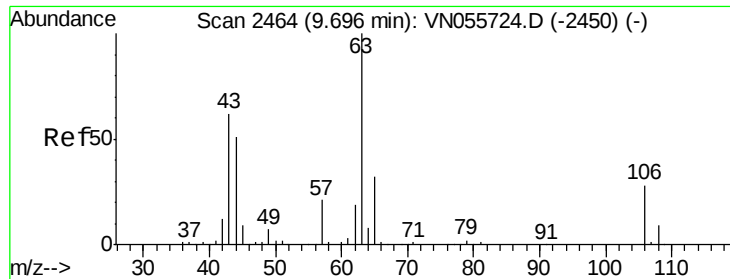
109 93.7 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

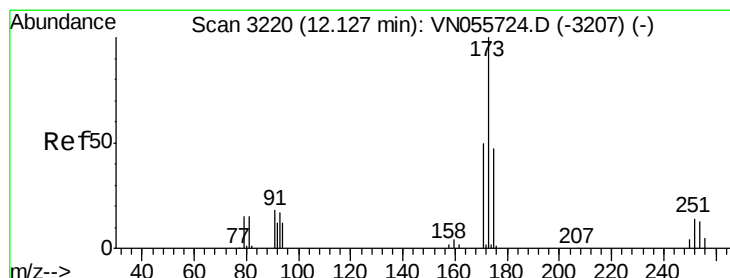
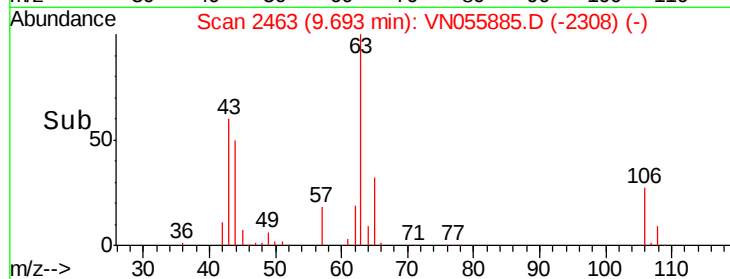
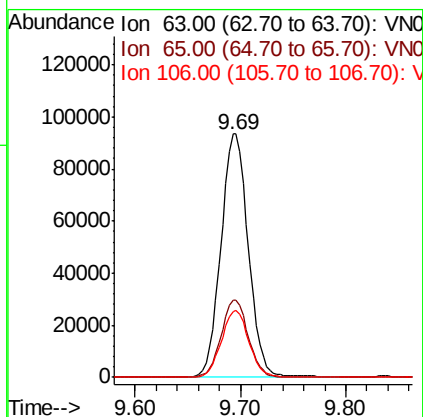
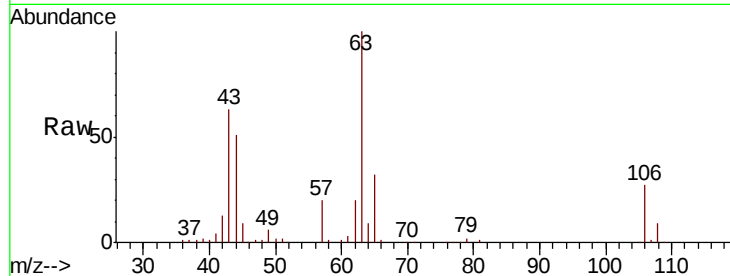




#55
2-Chloroethyl vinyl ether
Concen: 87.251 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

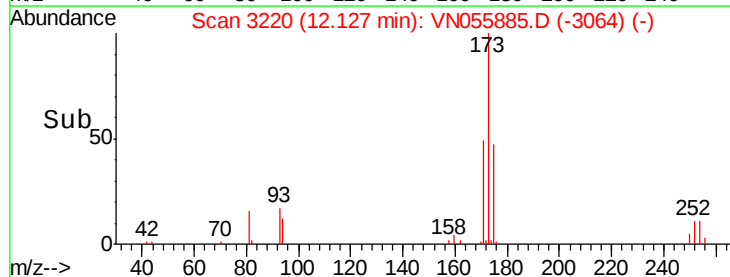
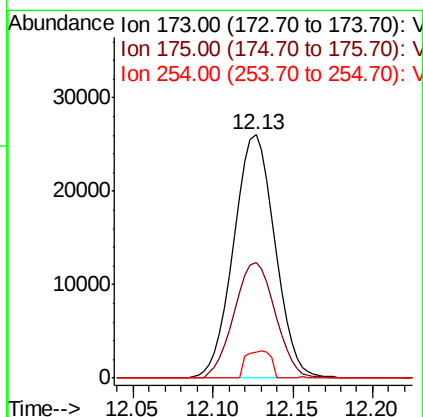
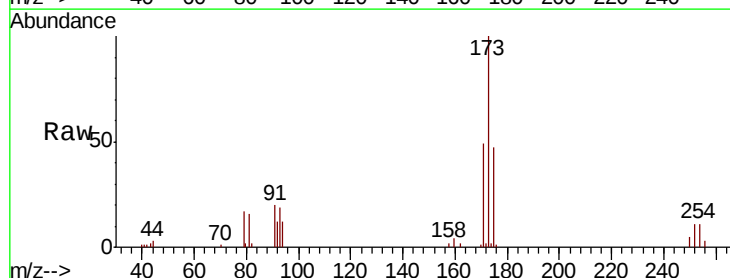
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

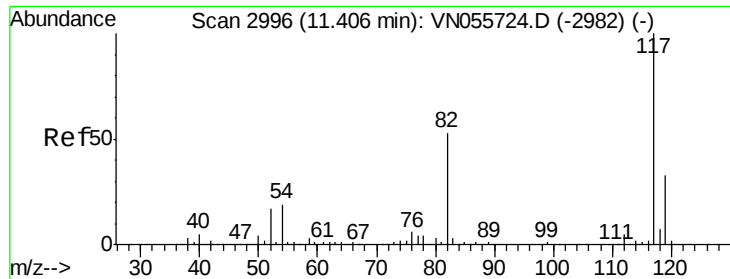
Tot Ion: 63 Resp: 168147
Ion Ratio Lower Upper
63 100
65 31.5 25.4 38.0
106 27.5 22.1 33.1



#56
Bromoform
Concen: 15.438 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 173 Resp: 45970
Ion Ratio Lower Upper
173 100
175 47.3 38.5 57.7
254 6.6 9.4 14.0#

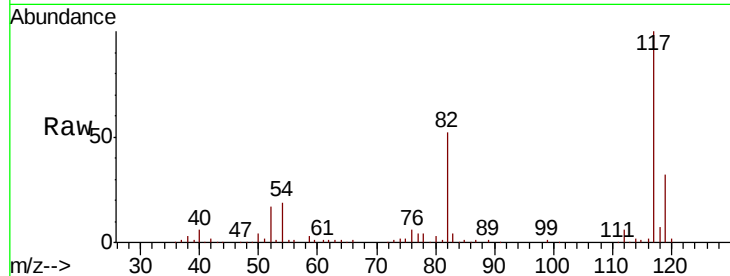




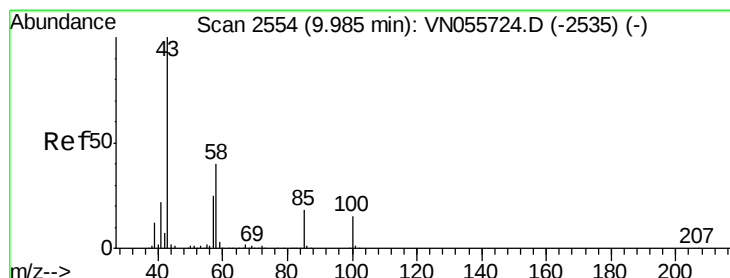
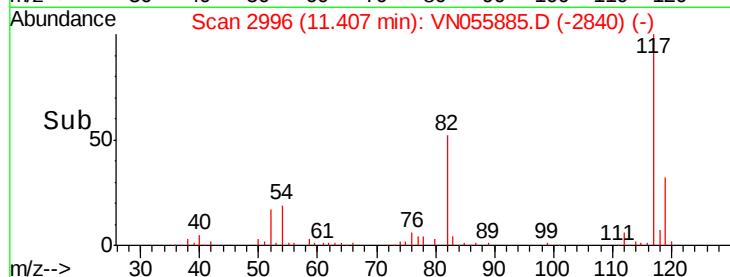
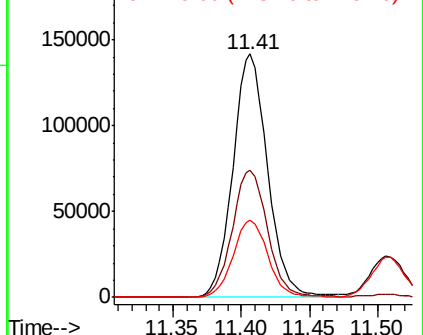
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 250801
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 32.0 25.9 38.9

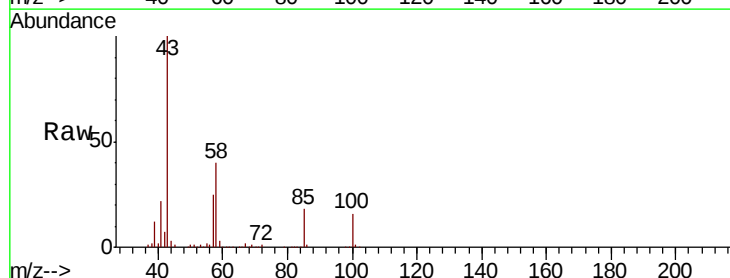


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

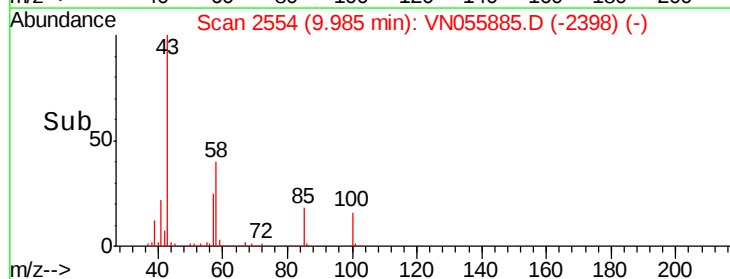
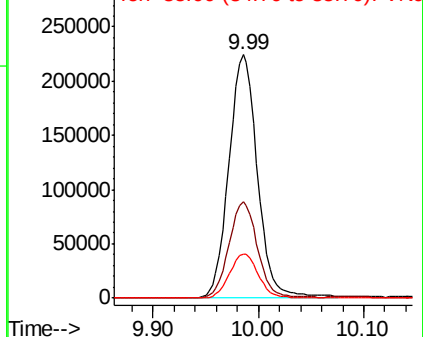


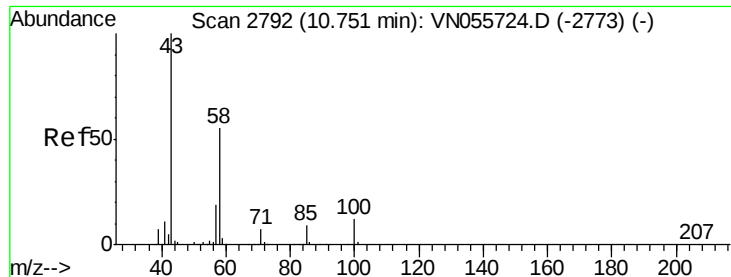
#58
4-Methyl-2-Pentanone
Concen: 101.074 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 43 Resp: 419649
Ion Ratio Lower Upper
43 100
58 39.8 31.7 47.5
85 18.5 14.5 21.7



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

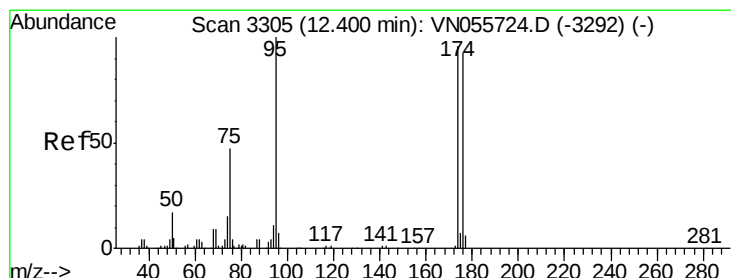
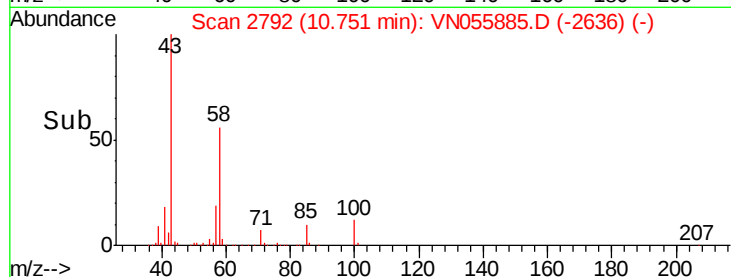
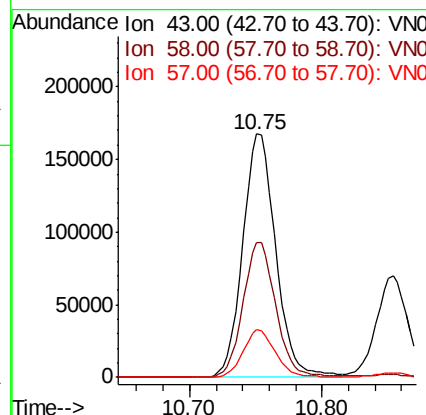
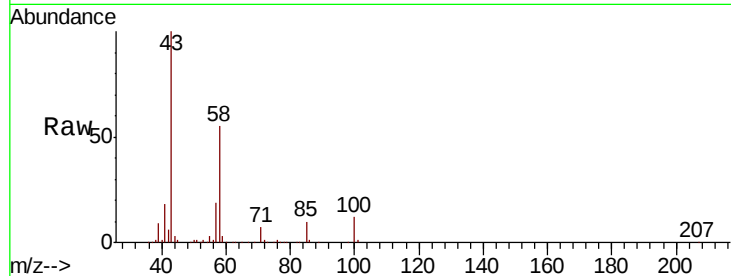




#59
2-Hexanone
Concen: 97.751 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

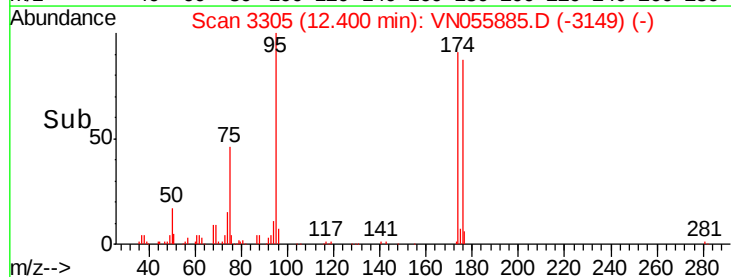
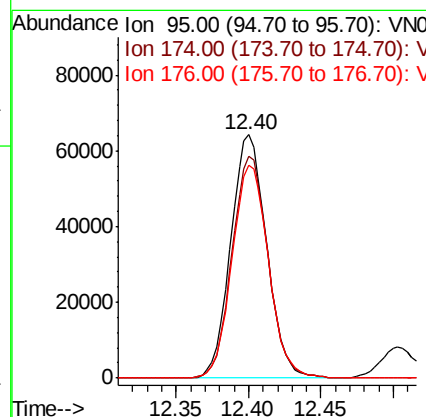
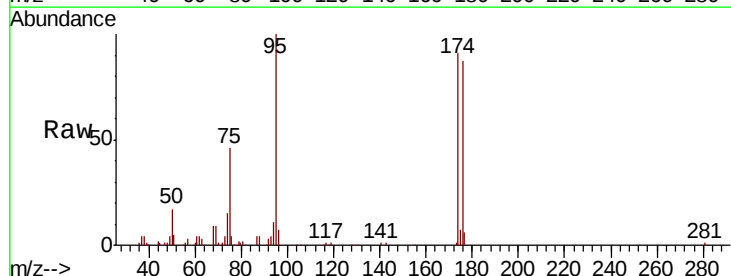
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

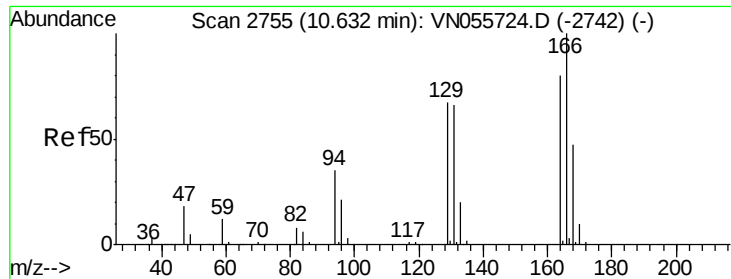
Tot Ion	43	Resp	290149
Ion Ratio	Lower	Upper	
43	100		
58	55.1	44.8	67.2
57	19.1	15.3	22.9



#60
4-Bromofluorobenzene
Concen: 28.343 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion	95	Resp	110580
Ion Ratio	Lower	Upper	
95	100		
174	91.4	75.7	113.5
176	88.8	74.1	111.1





#61

Tetrachloroethene

Concen: 20.408 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 69288

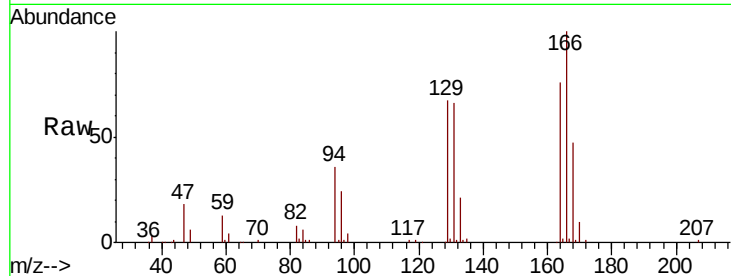
Ion Ratio Lower Upper

164 100

166 131.6 100.6 150.8

129 88.7 67.4 101.2

131 87.3 66.6 99.8

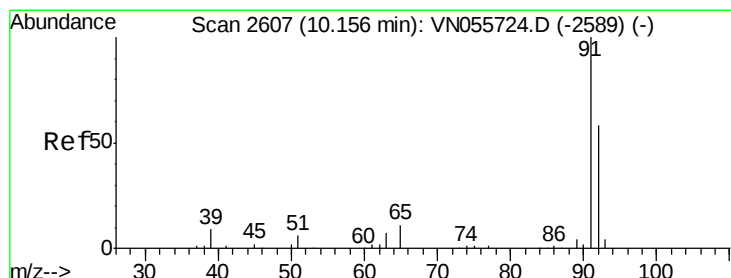
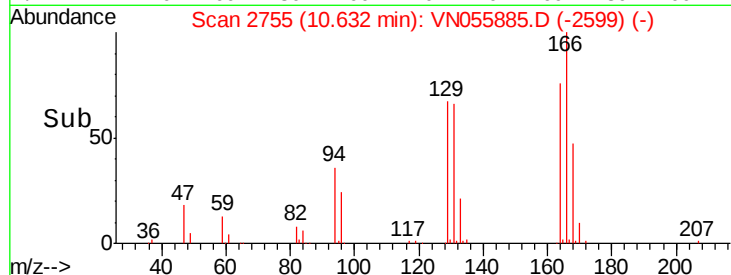
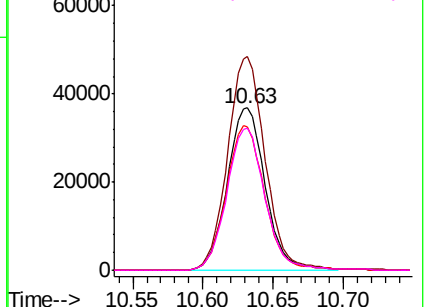


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.531 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055885.D

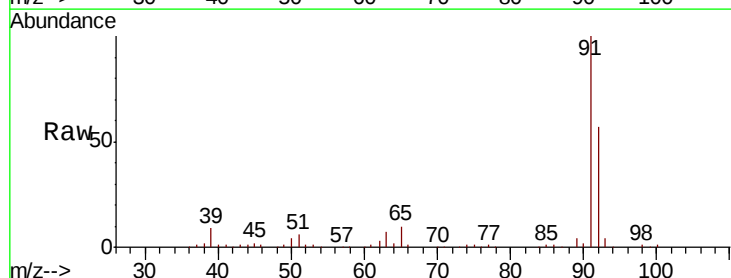
Acq: 29 May 2019 18:18

Tgt Ion: 91 Resp: 276898

Ion Ratio Lower Upper

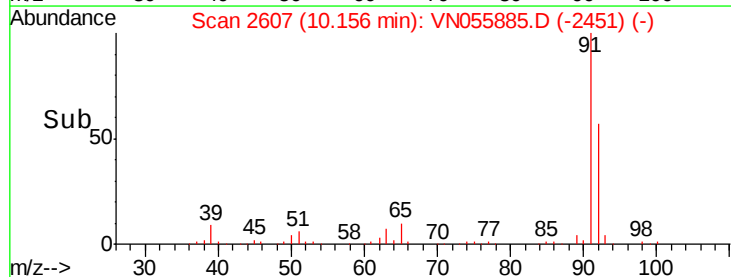
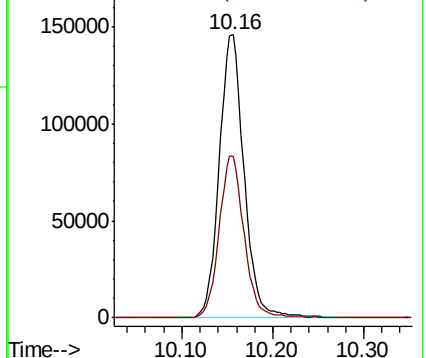
91 100

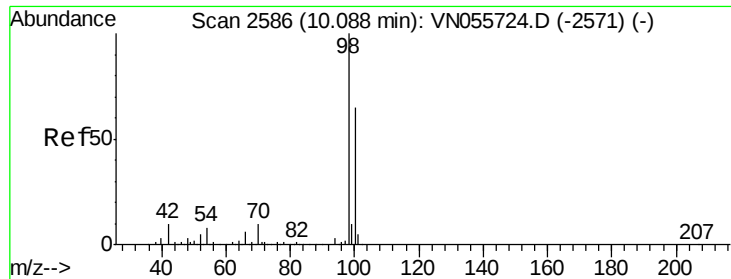
92 57.2 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.586 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

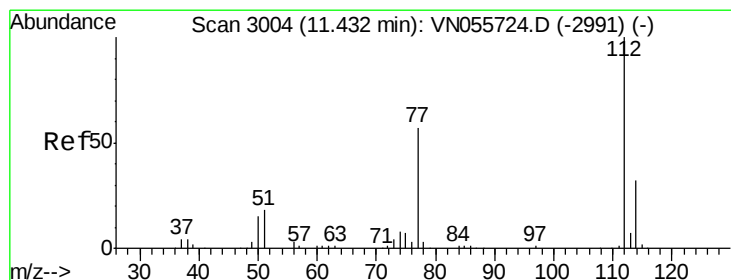
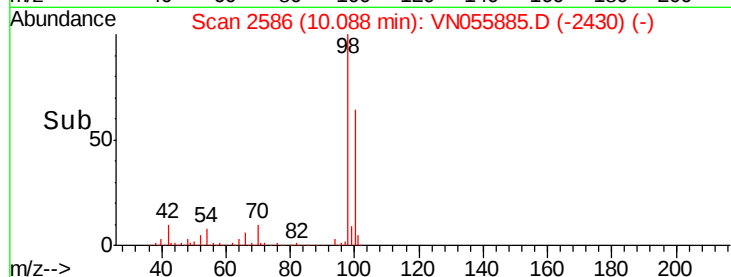
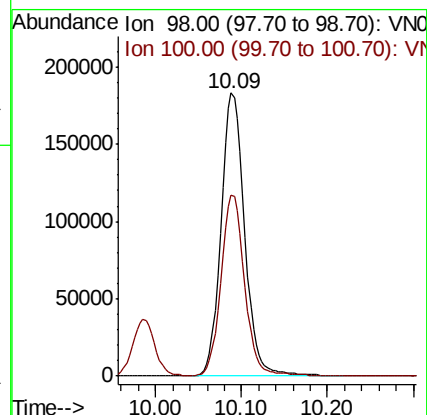
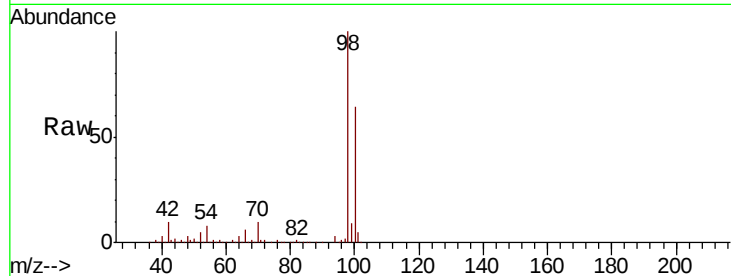
VSTDCCC020EC

Tot Ion: 98 Resp: 350556

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#64

Chlorobenzene

Concen: 20.264 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055885.D

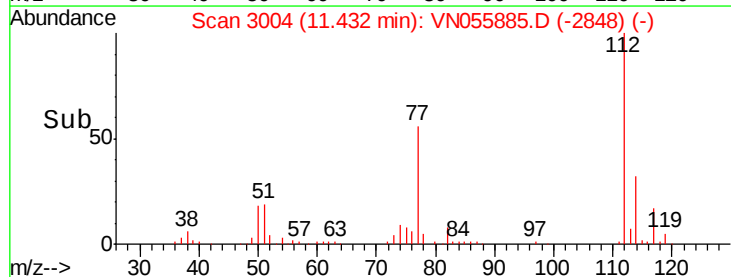
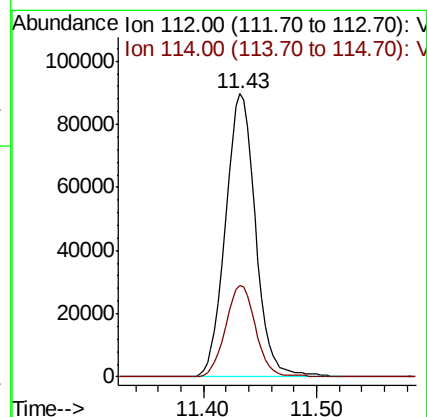
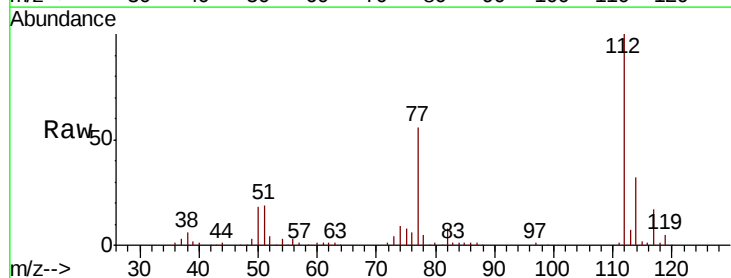
Acq: 29 May 2019 18:18

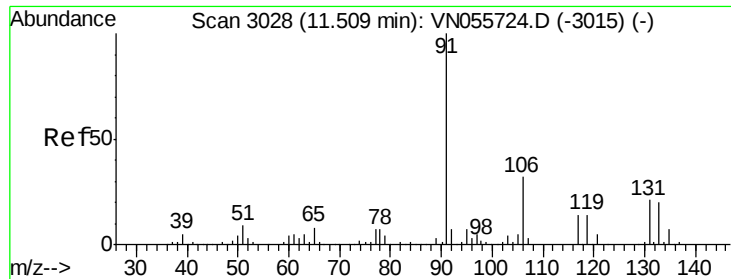
Tgt Ion: 112 Resp: 165782

Ion Ratio Lower Upper

112 100

114 32.3 25.4 38.0

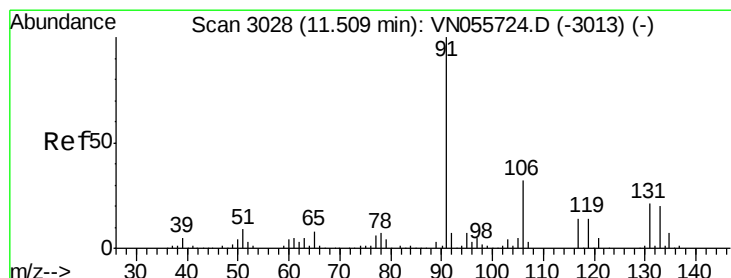
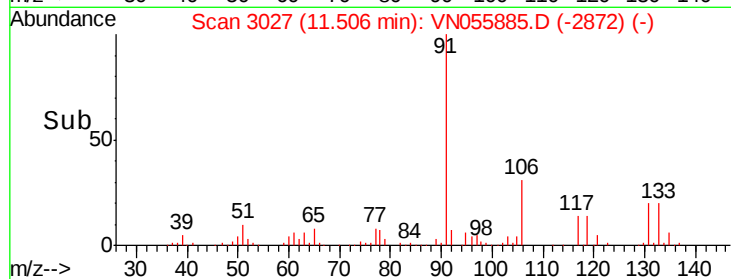
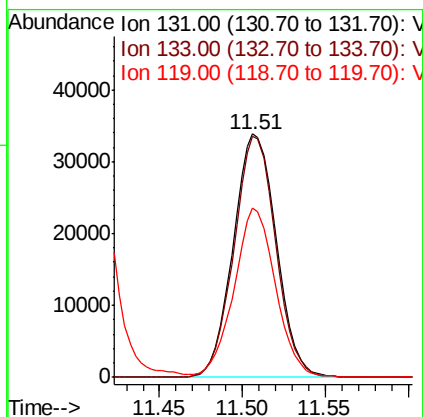
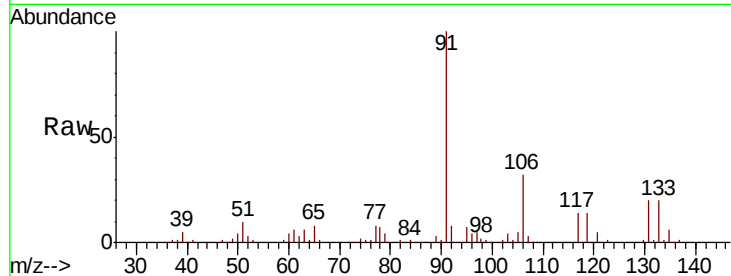




#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.574 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

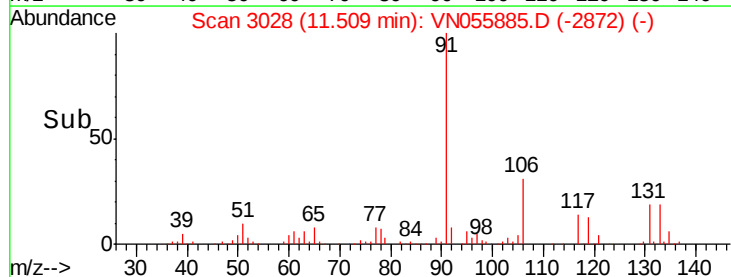
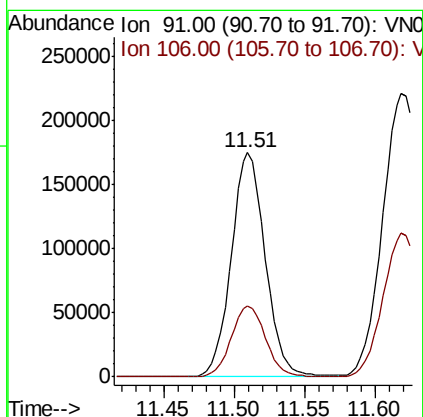
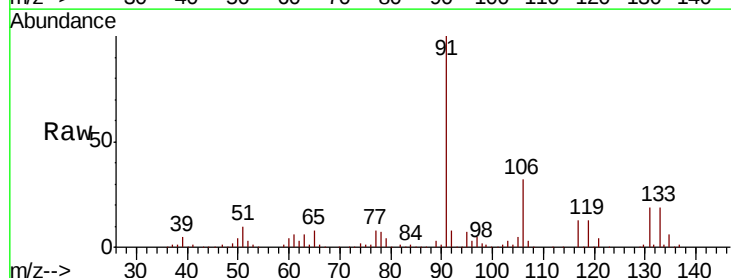
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

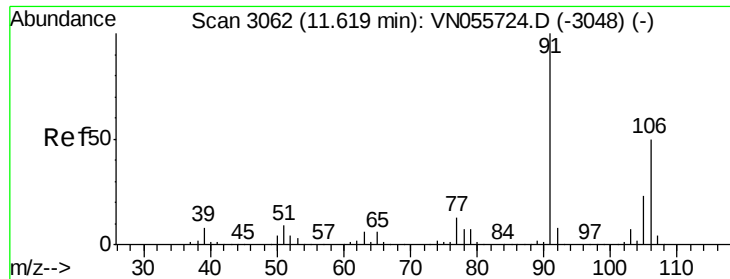
Tot Ion:131 Resp: 61226
 Ion Ratio Lower Upper
 131 100
 133 96.1 0.0 188.8
 119 67.3 0.0 133.6



#66
 Ethyl Benzene
 Concen: 20.060 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 91 Resp: 295595
 Ion Ratio Lower Upper
 91 100
 106 31.8 25.6 38.4

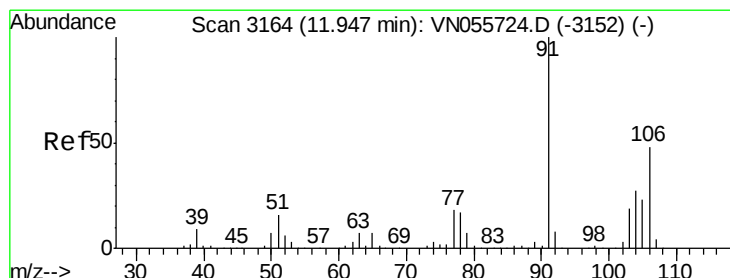
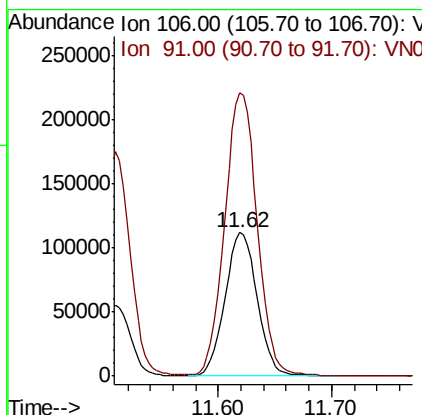
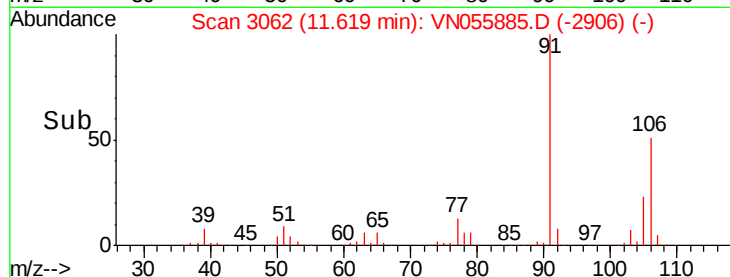
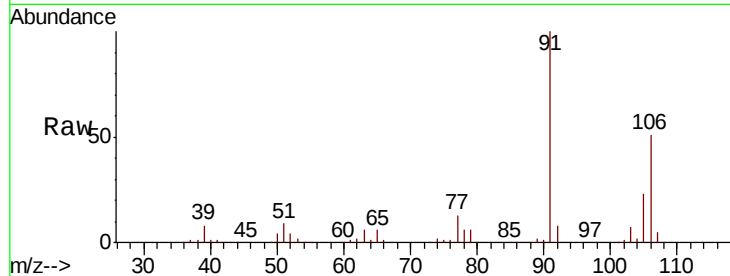




#67
m/p-Xylenes
Concen: 39.626 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

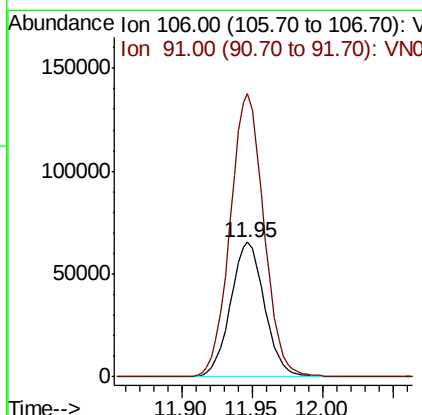
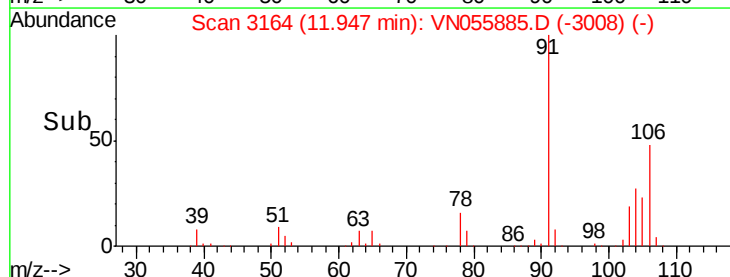
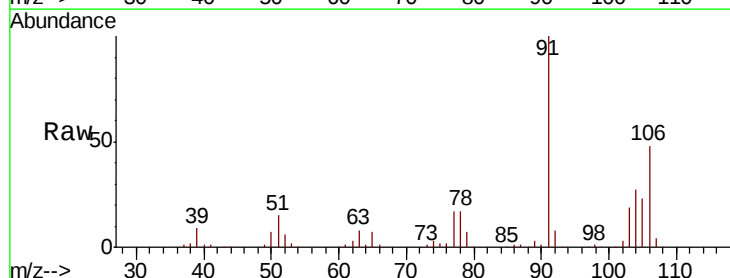
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

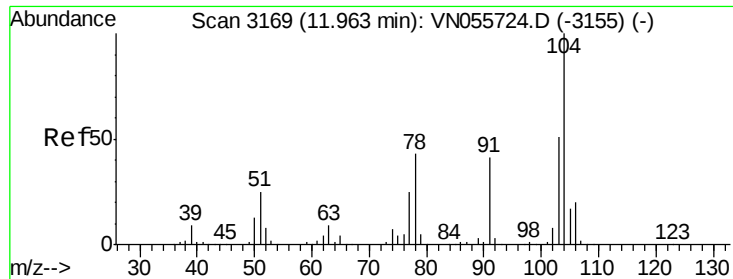
Tot Ion:106 Resp: 221822
Ion Ratio Lower Upper
106 100
91 199.6 159.5 239.3



#68
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:106 Resp: 110386
Ion Ratio Lower Upper
106 100
91 208.9 105.4 316.1

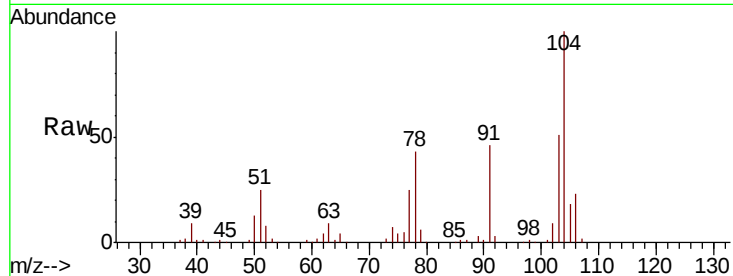




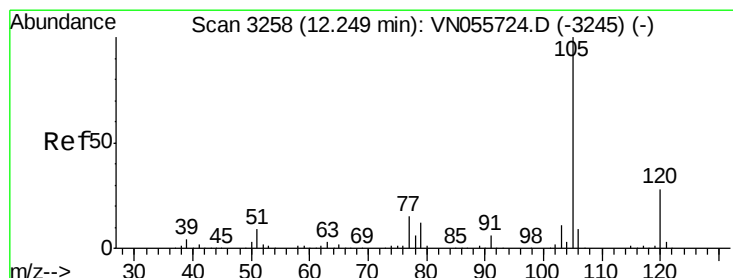
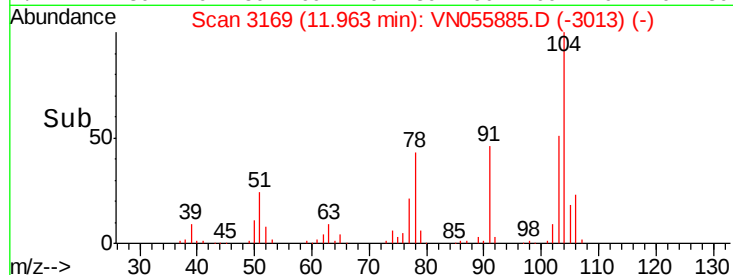
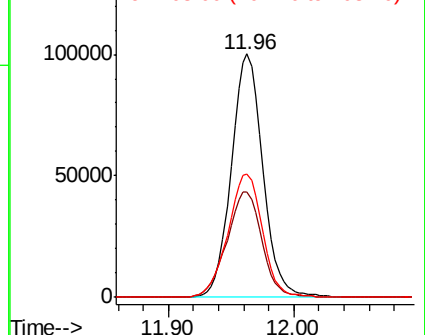
#69
Stvrene
Concen: 19.148 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:104 Resp: 174995
Ion Ratio Lower Upper
104 100
78 48.3 38.7 58.1
103 55.6 45.0 67.6

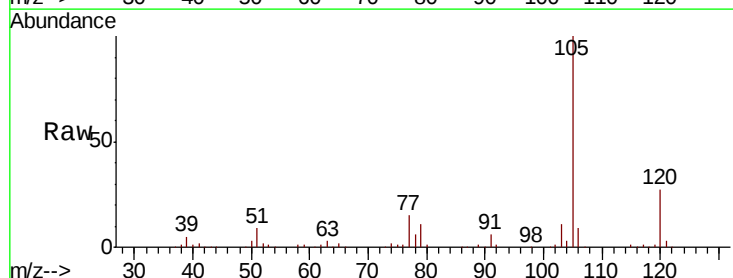


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

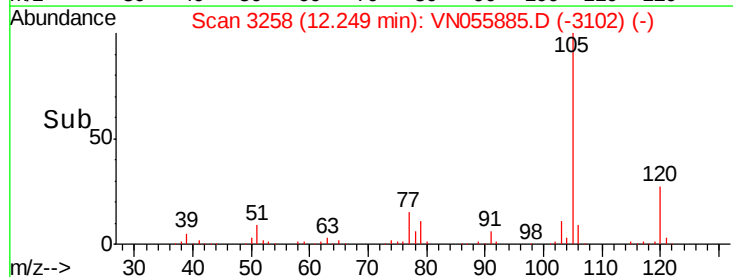
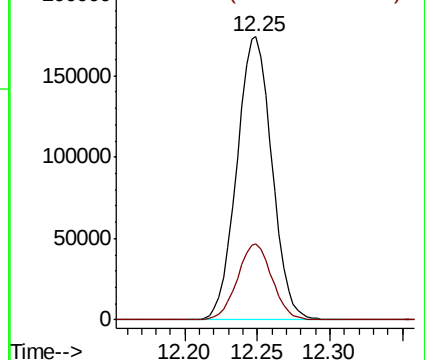


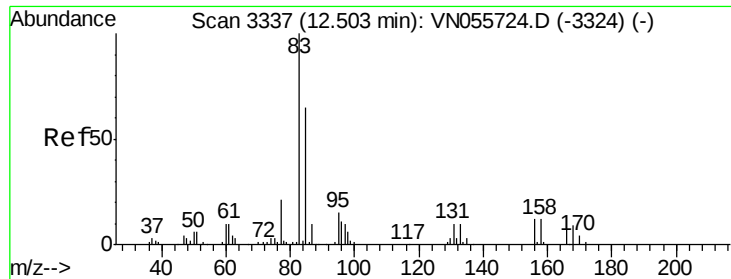
#70
Isopropylbenzene
Concen: 20.155 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:105 Resp: 292130
Ion Ratio Lower Upper
105 100
120 26.5 19.2 35.6



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

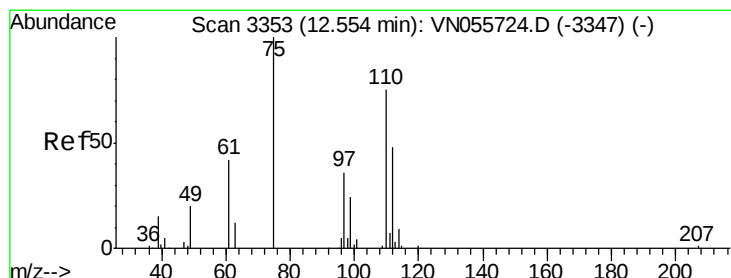
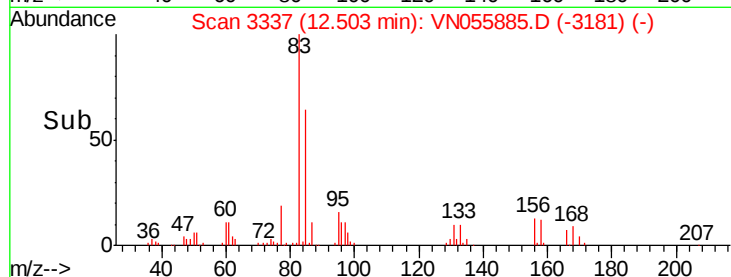
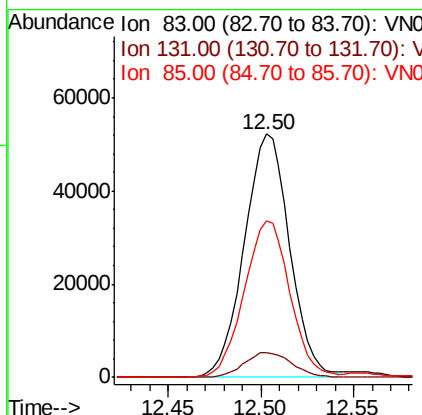
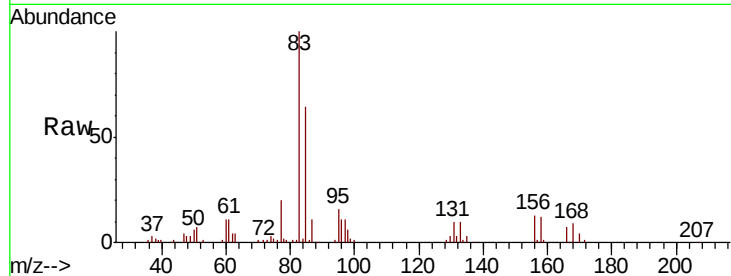




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.001 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

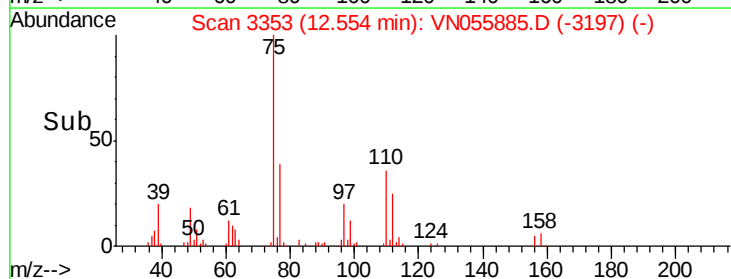
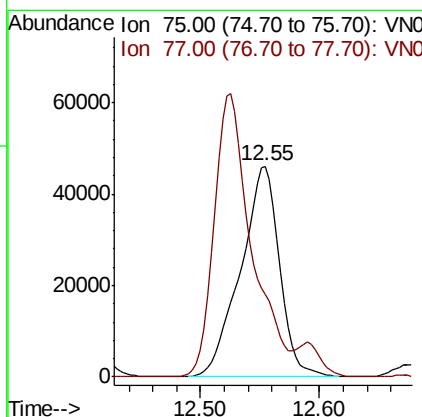
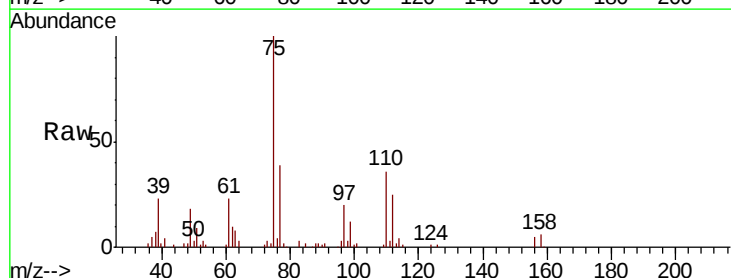
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

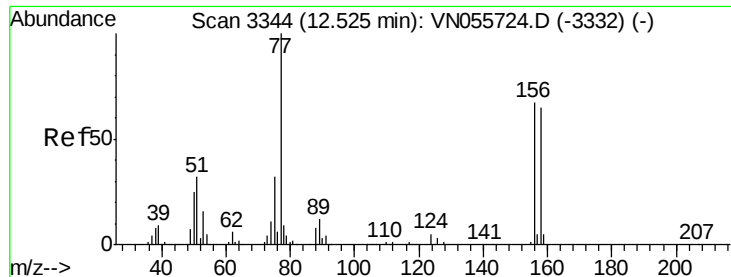
Tot Ion: 83 Resp: 89216
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.3 15.8
 85 64.7 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 27.226 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 75 Resp: 104521
 Ion Ratio Lower Upper
 75 100
 77 129.4 0.0 349.8





#73

Bromobenzene

Concen: 18.942 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

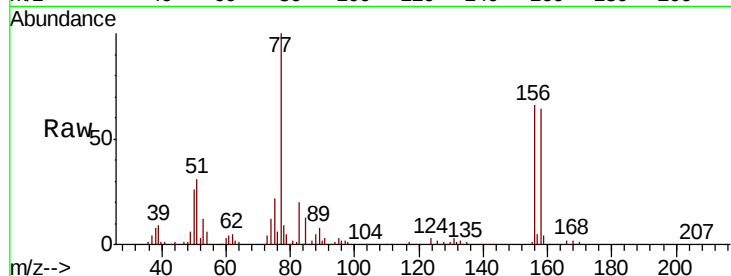
Tot Ion:156 Resp: 72632

Ion Ratio Lower Upper

156 100

77 186.2 0.0 368.0

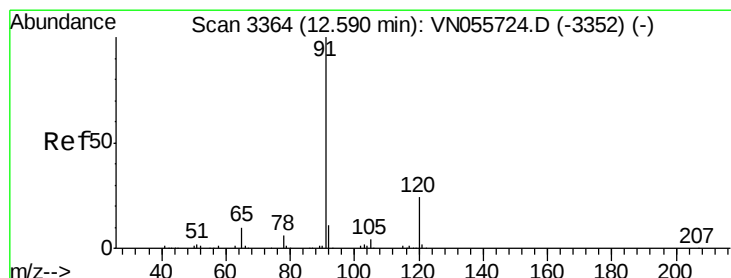
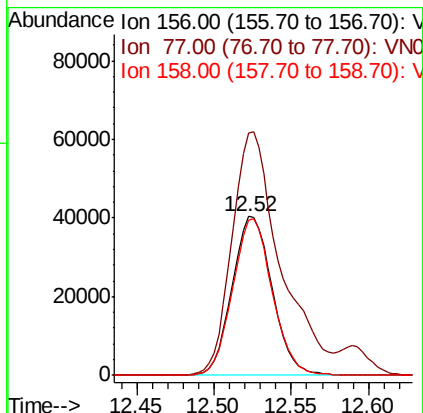
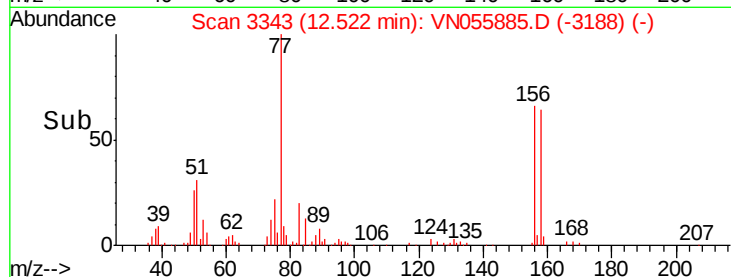
158 97.5 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.451 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055885.D

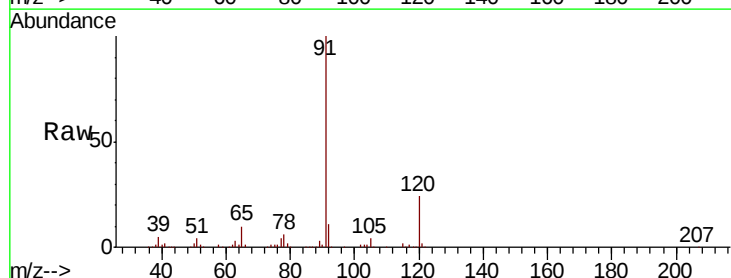
Acq: 29 May 2019 18:18

Tgt Ion: 91 Resp: 304048

Ion Ratio Lower Upper

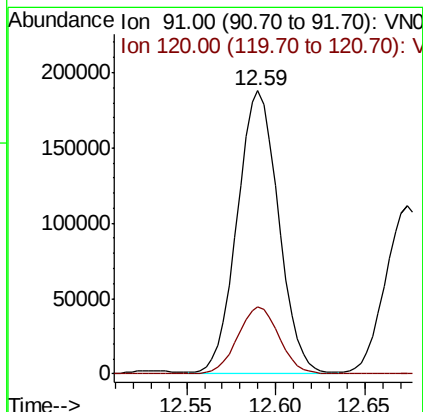
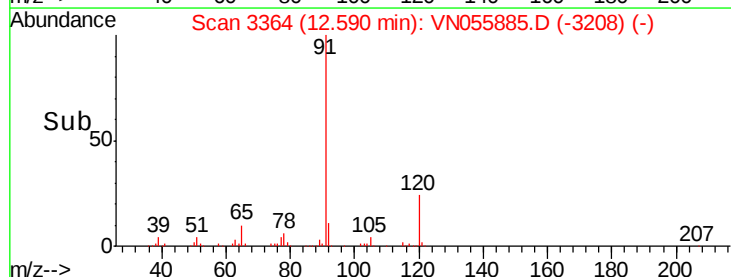
91 100

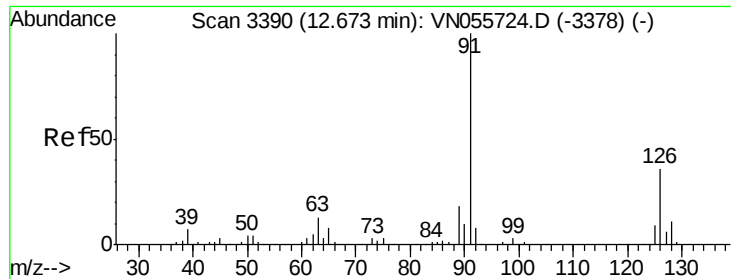
120 23.6 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.729 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

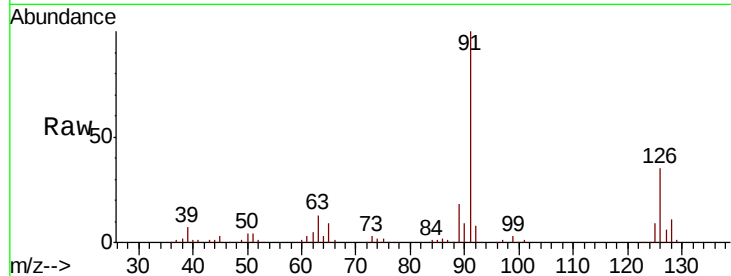
VSTDCCC020EC

Tot Ion: 91 Resp: 188391

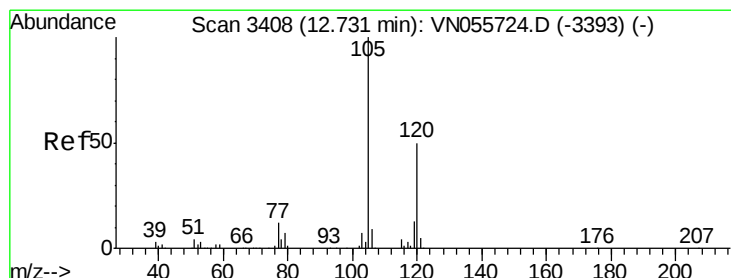
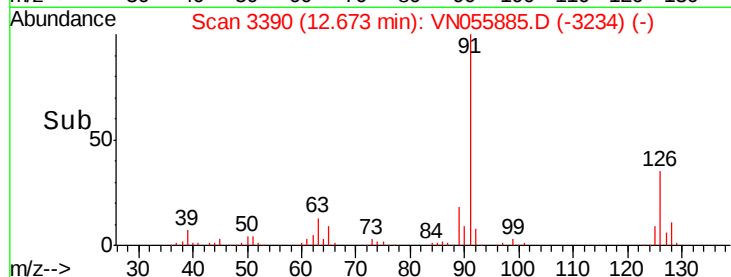
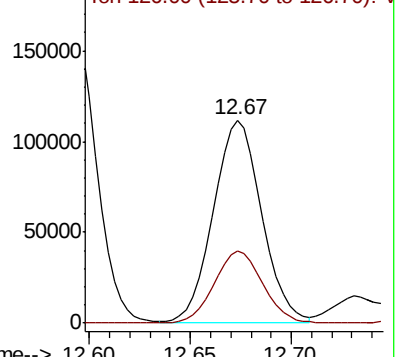
Ion Ratio Lower Upper

91 100

126 35.5 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055885.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.544 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055885.D

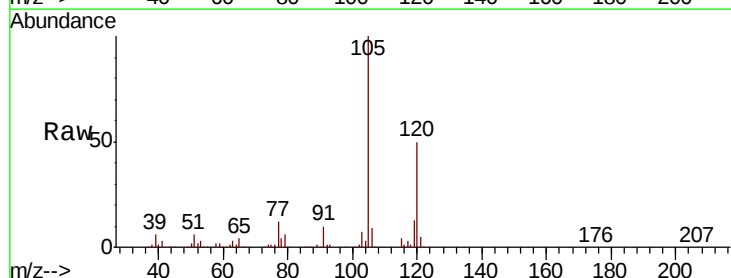
Acq: 29 May 2019 18:18

Tgt Ion:105 Resp: 234149

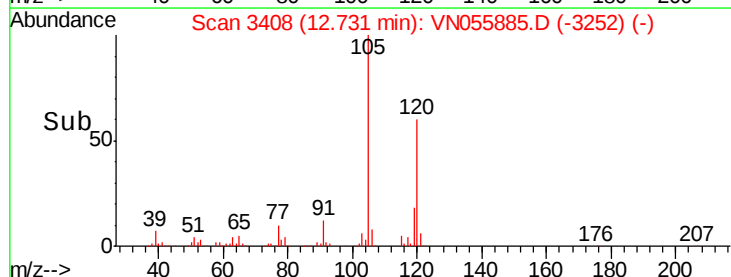
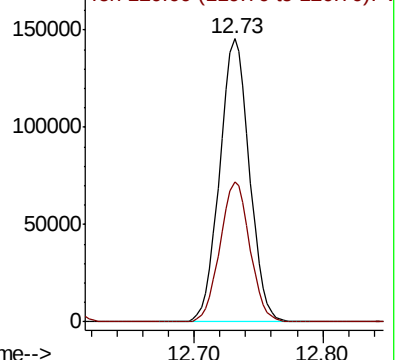
Ion Ratio Lower Upper

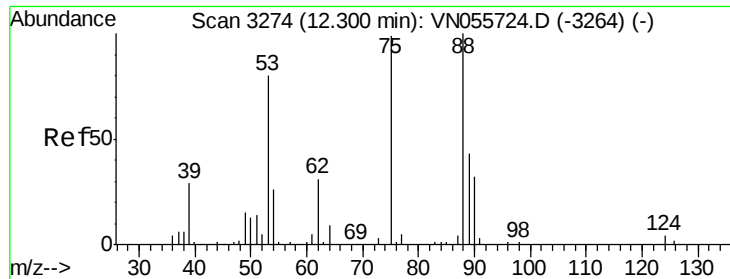
105 100

120 49.7 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055885.D (-3252) (-)

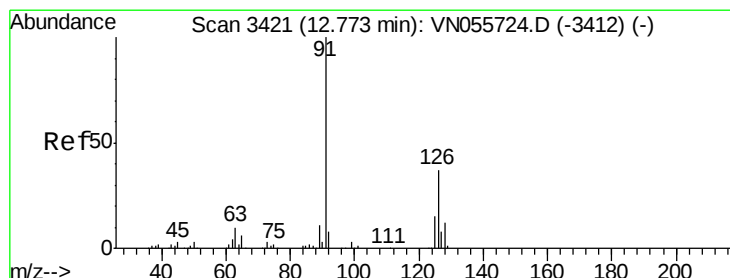
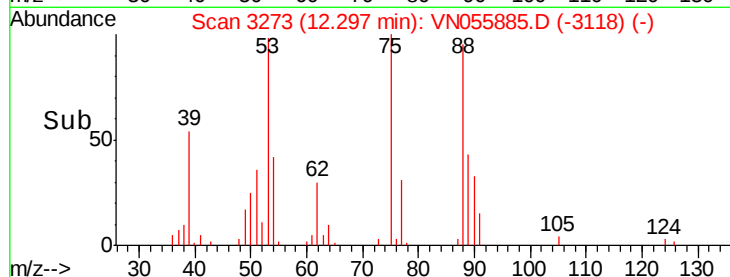
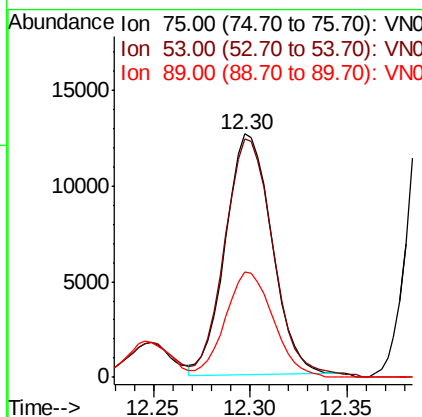
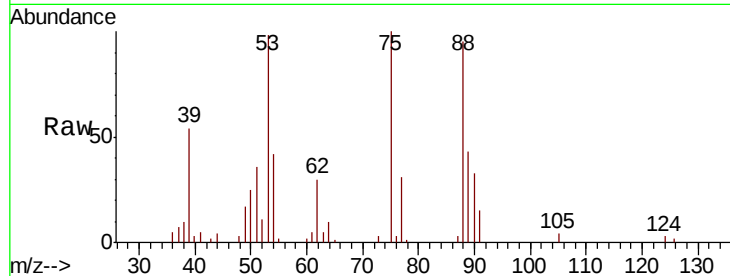




#77
t-1,4-Dichloro-2-butene
Concen: 13.790 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

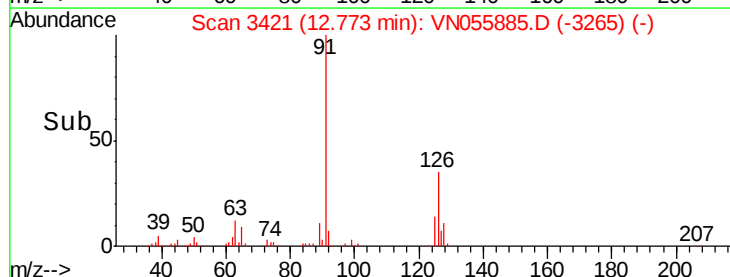
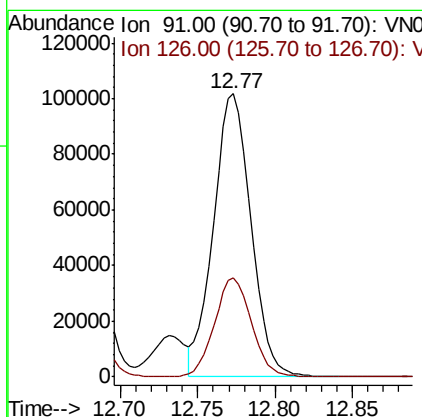
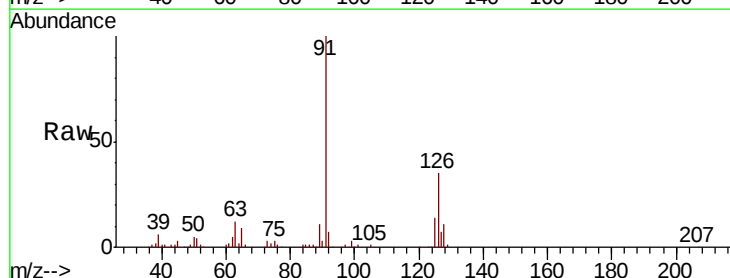
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

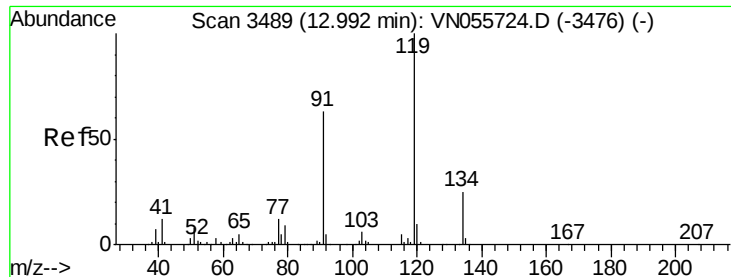
Tot Ion: 75 Resp: 21028
Ion Ratio Lower Upper
75 100
53 98.1 40.1 120.3
89 43.9 22.6 67.8



#78
4-Chlorotoluene
Concen: 18.994 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 91 Resp: 171889
Ion Ratio Lower Upper
91 100
126 34.3 0.0 69.0

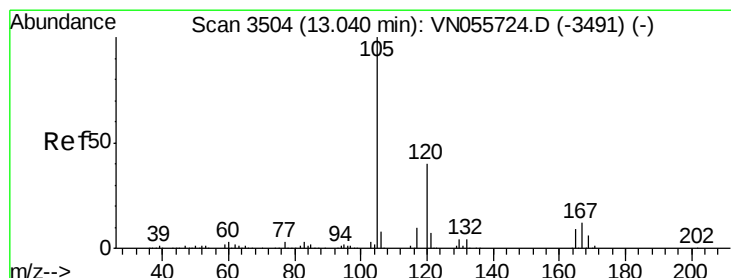
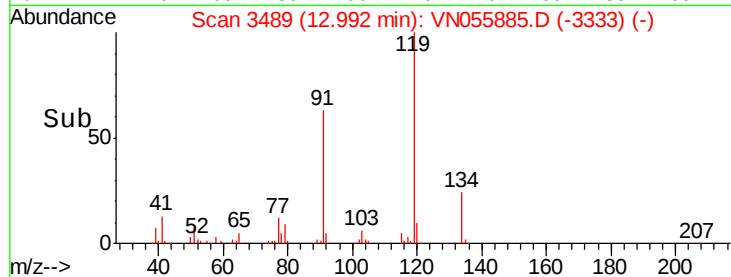
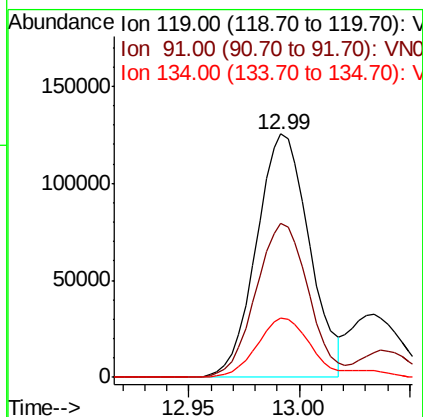
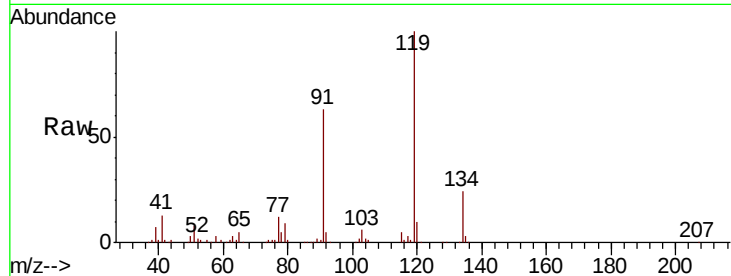




#79
tert-butylbenzene
Concen: 19.822 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

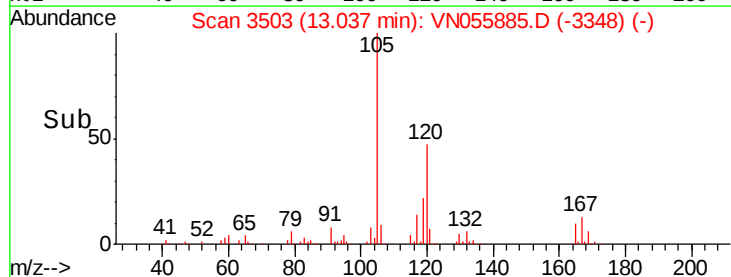
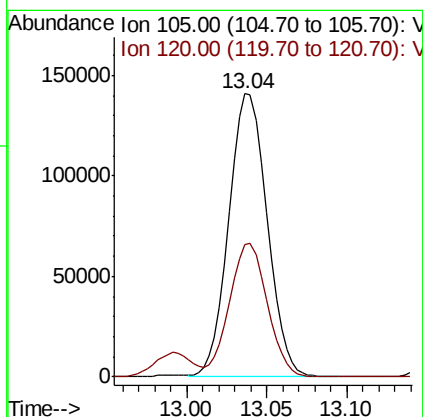
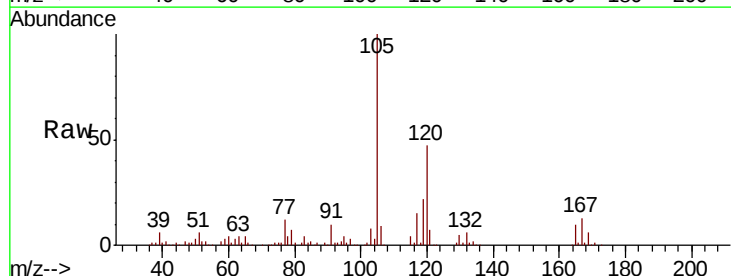
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

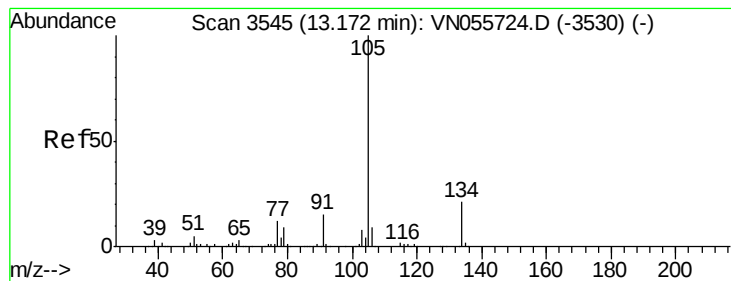
Tot Ion:119 Resp: 208772
Ion Ratio Lower Upper
119 100
91 62.9 0.0 123.8
134 24.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 19.375 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:105 Resp: 230430
Ion Ratio Lower Upper
105 100
120 46.4 0.0 93.6





#81

sec-Butylbenzene

Concen: 19.971 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

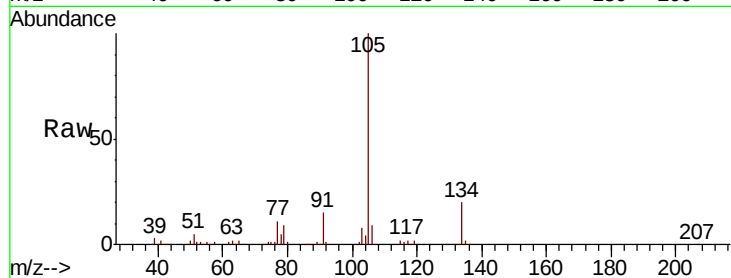
VSTDCCC020EC

Tot Ion:105 Resp: 267254

Ion Ratio Lower Upper

105 100

134 20.4 0.0 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

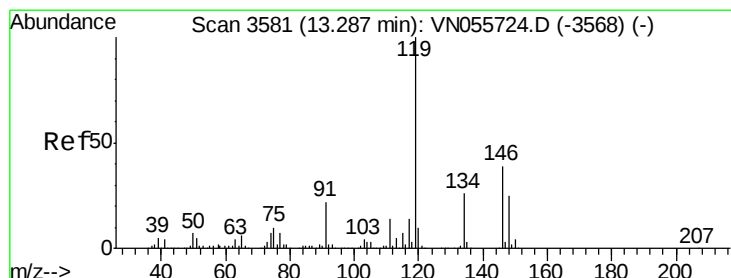
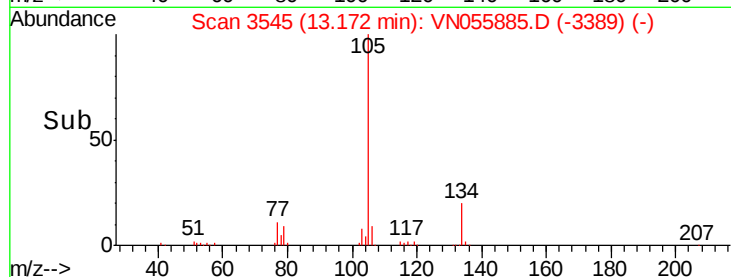
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 18.864 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055885.D

Acq: 29 May 2019 18:18

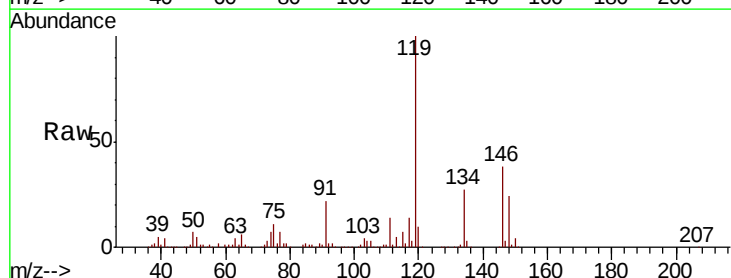
Tgt Ion:119 Resp: 232327

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.0

91 22.2 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

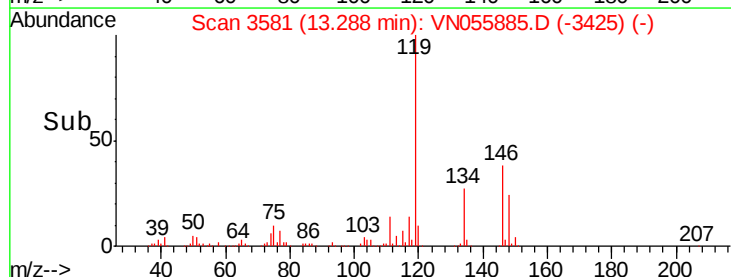
150000

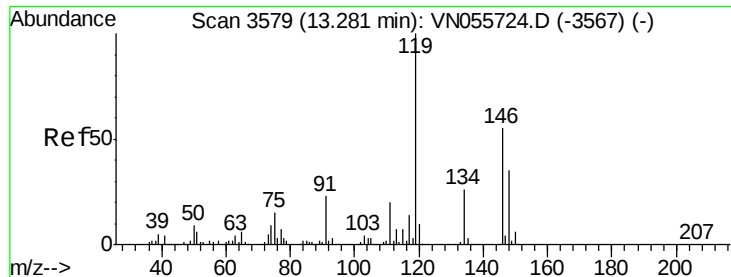
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

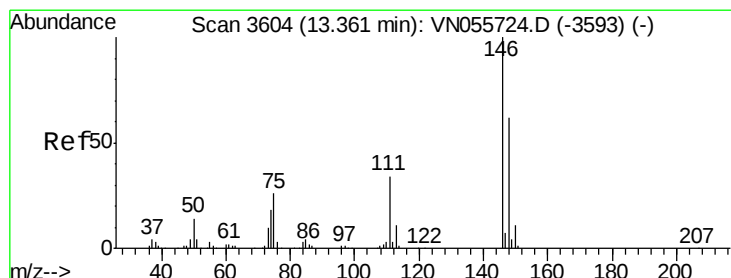
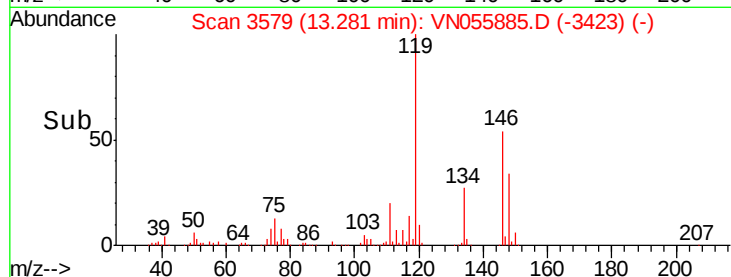
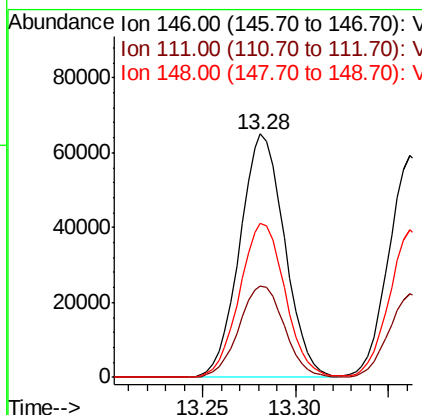
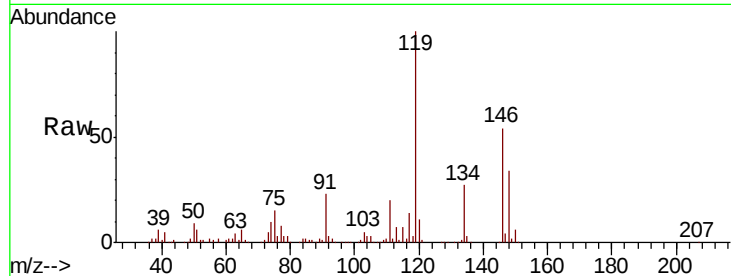




#83
 1,3-Dichlorobenzene
 Concen: 18.244 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

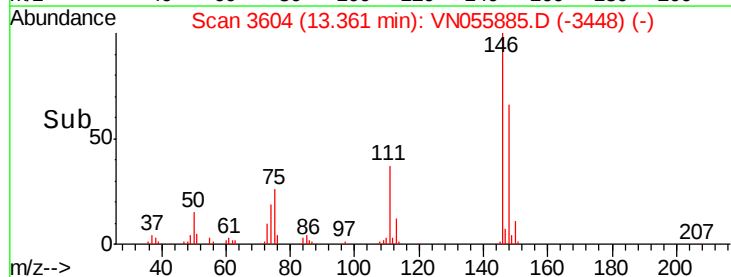
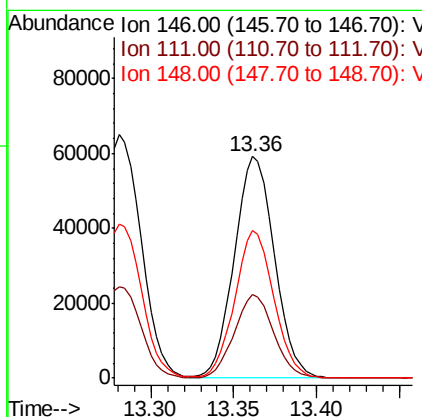
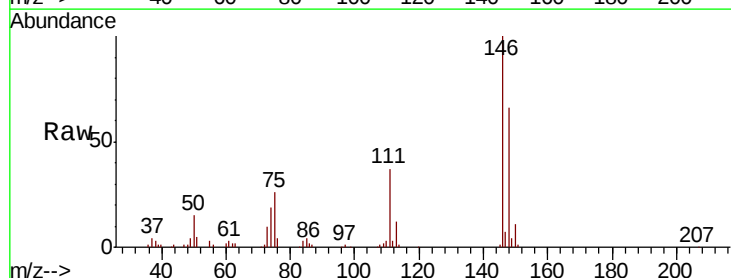
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

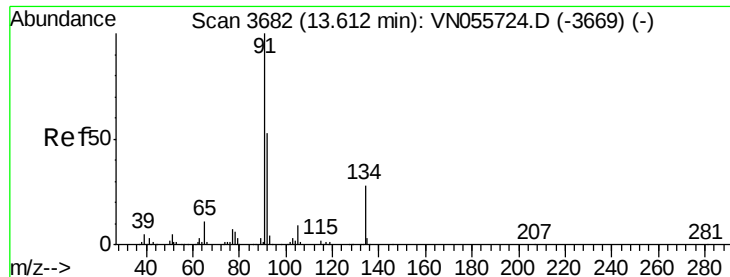
Tot Ion:146 Resp: 109659
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.6
 148 64.3 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 17.499 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion:146 Resp: 100168
 Ion Ratio Lower Upper
 146 100
 111 36.9 17.5 52.6
 148 64.5 31.8 95.4

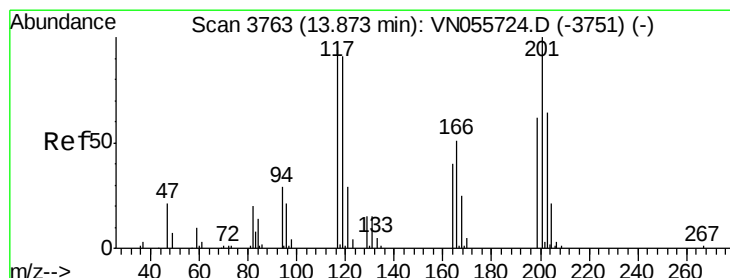
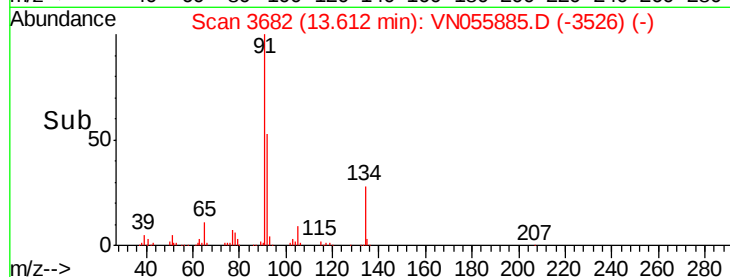
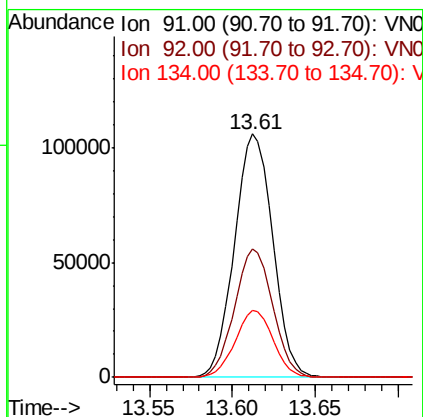
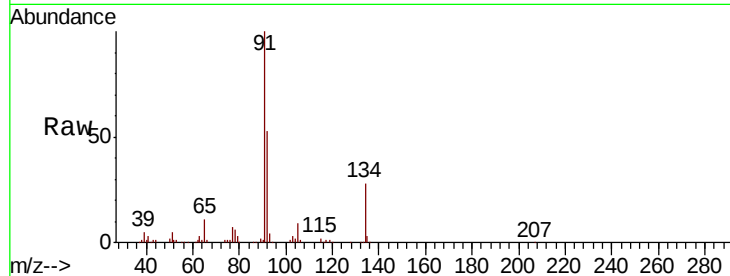




#85
n-Butylbenzene
Concen: 17.830 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

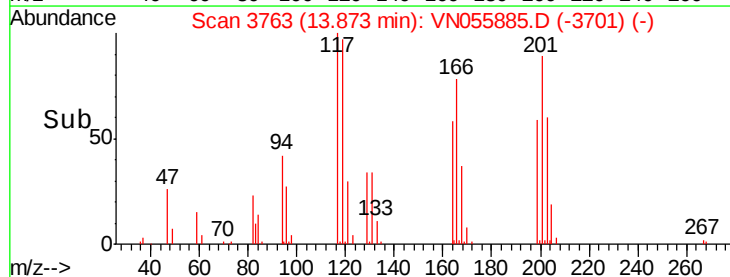
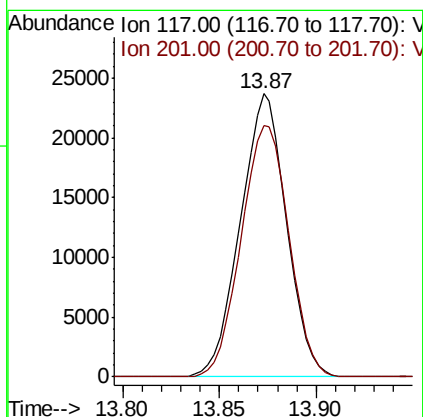
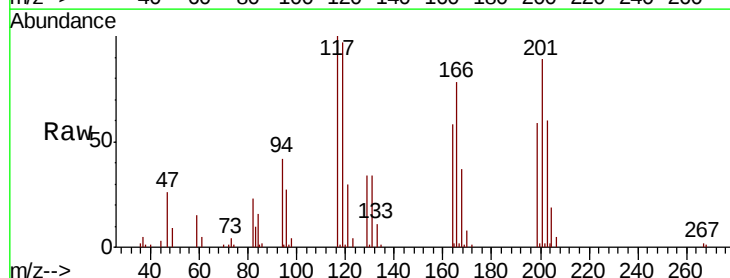
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

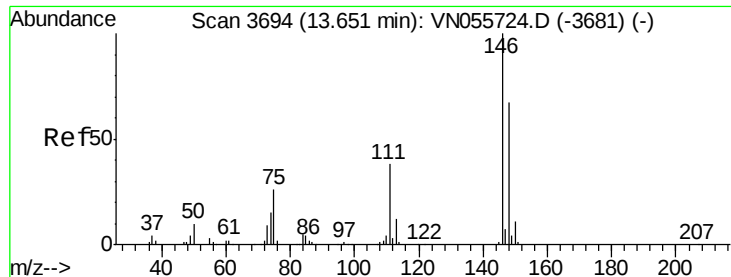
Tot Ion: 91 Resp: 170833
Ion Ratio Lower Upper
91 100
92 52.3 0.0 106.8
134 27.2 0.0 55.2



#86
Hexachloroethane
Concen: 16.225 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion: 117 Resp: 39303
Ion Ratio Lower Upper
117 100
201 92.0 52.5 157.6

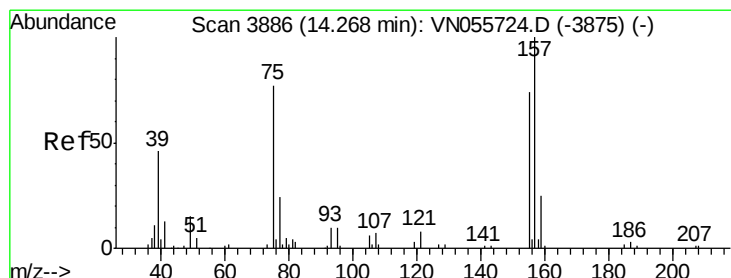
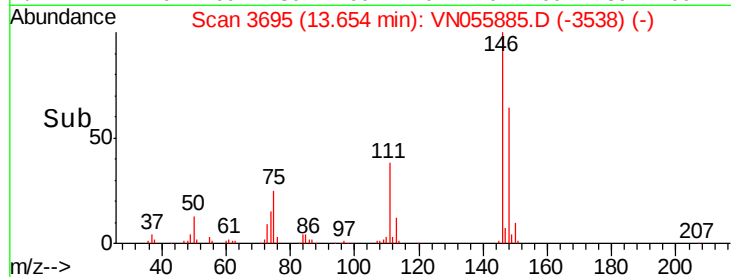
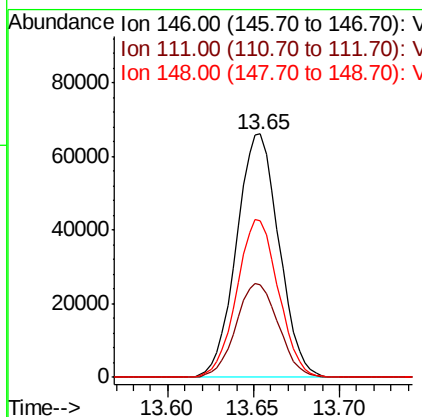
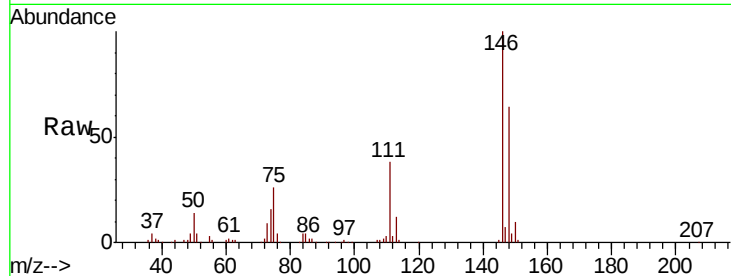




#87
 1,2-Dichlorobenzene
 Concen: 18.819 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

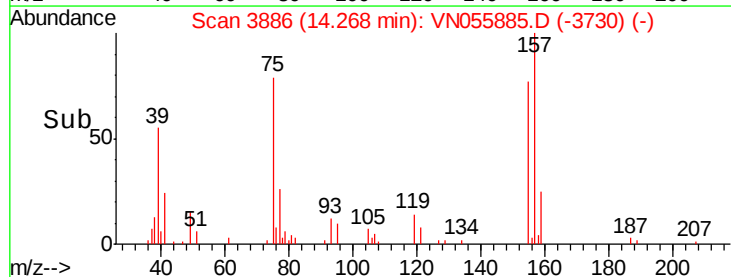
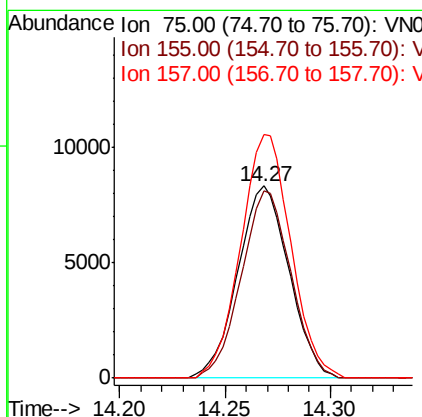
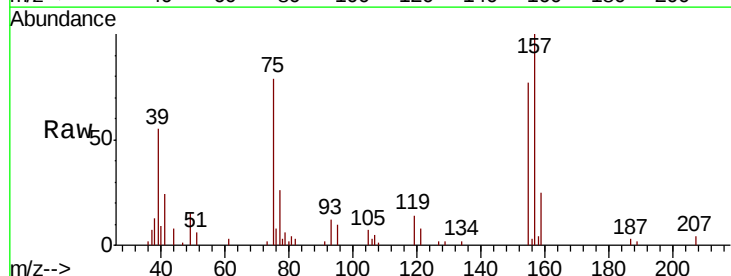
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

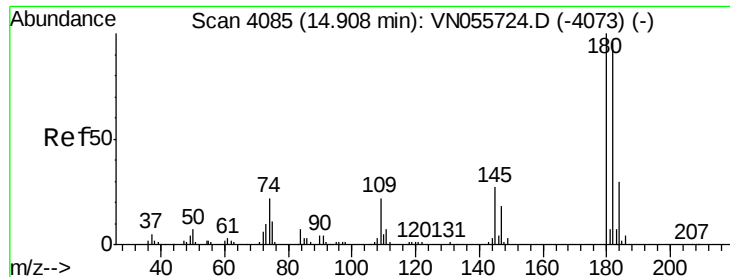
Tot Ion:146 Resp: 113906
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.2 57.6
 148 63.4 32.7 98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 16.643 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion: 75 Resp: 14070
 Ion Ratio Lower Upper
 75 100
 155 94.3 78.4 117.6
 157 124.3 105.0 157.4

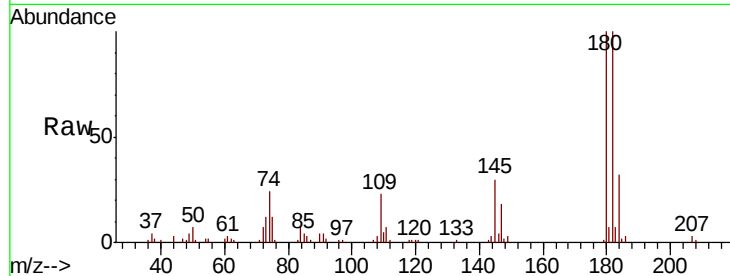




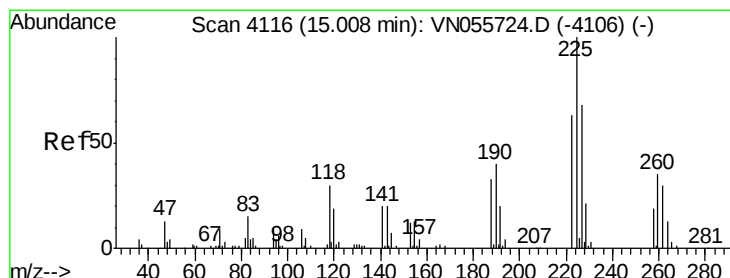
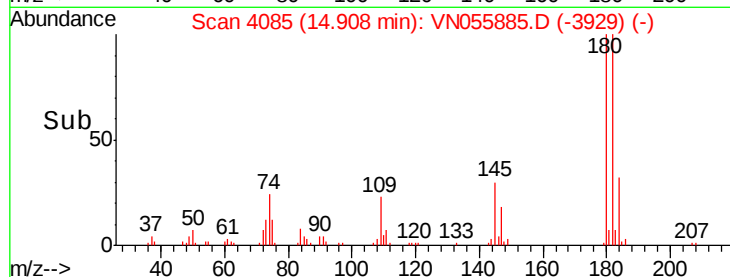
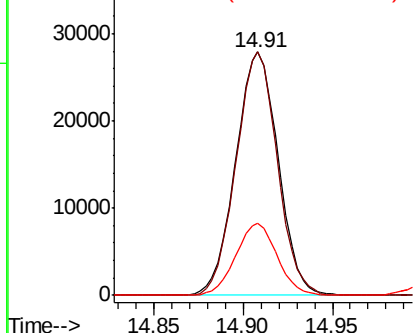
#89
 1,2,4-Trichlorobenzene
 Concen: 14.166 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:180 Resp: 46283
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.1 114.1
 145 28.5 21.8 32.8

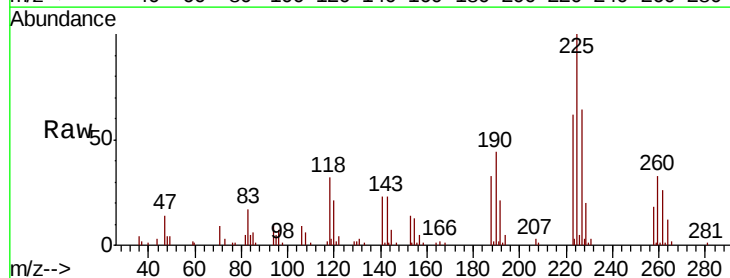


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

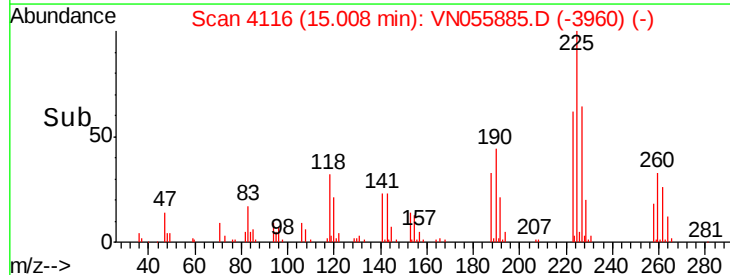
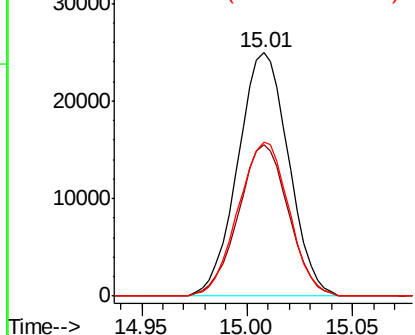


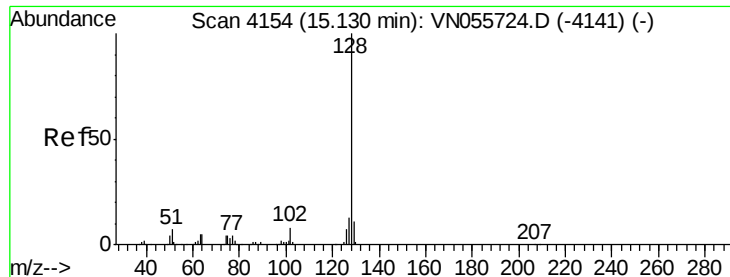
#90
 Hexachlorobutadiene
 Concen: 17.100 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055885.D
 Acq: 29 May 2019 18:18

Tgt Ion:225 Resp: 41685
 Ion Ratio Lower Upper
 225 100
 223 61.4 0.0 126.0
 227 63.6 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

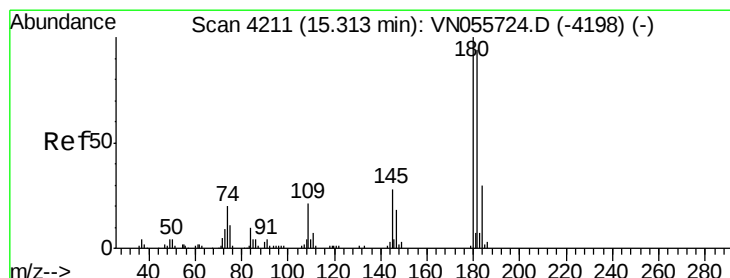
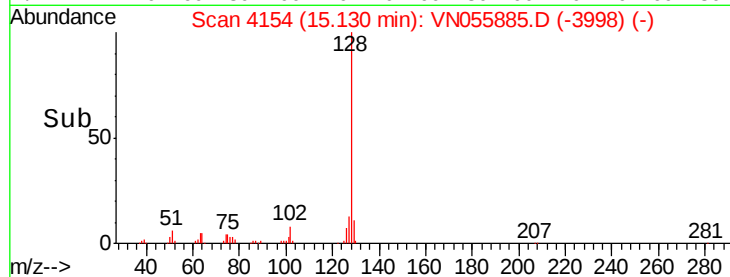
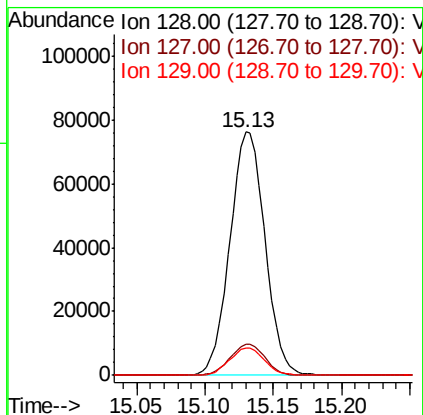
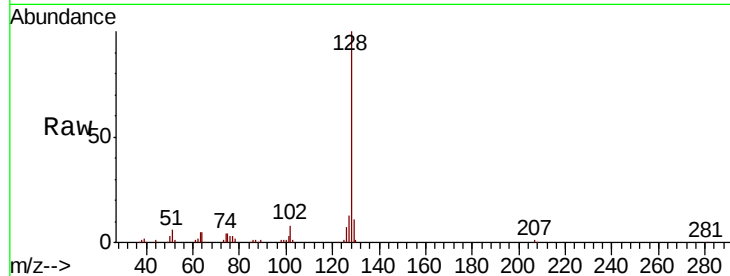




#91
Naphthalene
Concen: 15.261 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 136234
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.1 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 15.398 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055885.D
Acq: 29 May 2019 18:18

Tgt Ion:180 Resp: 52578
Ion Ratio Lower Upper
180 100
182 100.1 0.0 188.6
145 30.4 0.0 56.8

