

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055741.D
 Acq On : 23 May 2019 1:17
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 23 06:06:16 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	57740	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	309006	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	270948	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	113388	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	12.40	95	121517	28.83	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.10%
63) Toluene-d8	10.09	98	373808	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	47161	18.629	ug/l 98
3) Chloromethane	2.06	50	70529	19.586	ug/l 97
4) Vinyl Chloride	2.19	62	73085	19.886	ug/l 99
5) Bromomethane	2.54	94	49917	23.198	ug/l 97
6) Chloroethane	2.69	64	45830	21.346	ug/l 98
7) Trichlorofluoromethane	3.01	101	93759	20.335	ug/l 98
8) Diethyl Ether	3.40	74	42241	20.840	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55930	19.198	ug/l 99
10) 1,1-Dichloroethene	3.72	96	60351	19.802	ug/l 99
11) Methyl Iodide	3.94	142	84031	19.328	ug/l 99
12) Methyl Acetate	4.32	43	69280	18.587	ug/l 98
13) Acrolein	3.60	56	46432	89.652	ug/l 99
14) Acrylonitrile	4.99	53	164405	96.744	ug/l 100
15) Acetone	3.82	58	43277	82.000	ug/l 96
16) Carbon Disulfide	4.04	76	170272	19.486	ug/l 99
17) Allyl chloride	4.31	41	102836	18.735	ug/l 97
18) Methylene Chloride	4.55	84	70489	20.195	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	64521	19.680	ug/l 96
20) Diisopropyl ether	5.96	45	204454	19.201	ug/l 95
21) 1,1-Dichloroethane	5.84	63	118802	19.741	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	76699	20.059	ug/l 95
23) tert-Butyl Alcohol	4.81	59	71837	96.254	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	206222	19.942	ug/l 99
25) Chloroform	7.37	83	121534	20.447	ug/l 99
26) Cyclohexane	7.65	56	106089	19.109	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	86436	19.981	ug/l 98
30) 2-Butanone	6.84	43	217169	94.189	ug/l 99
31) 2,2-Dichloropropane	6.82	77	81177	16.126	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	104776	20.435	ug/l 99
33) Carbon Tetrachloride	7.77	117	93917	20.476	ug/l 98
34) Benzene	8.04	78	271877	20.357	ug/l 99
35) Methacrylonitrile	7.18	41	40803	19.173	ug/l 97
36) 1,2-Dichloroethane	8.12	62	89632	20.537	ug/l 99
37) Trichloroethene	8.83	130	75225	20.188	ug/l 97
38) Methylcyclohexane	9.08	83	104707	19.105	ug/l 98
39) 1,2-Dichloropropane	9.12	63	72536	20.204	ug/l 100
40) Dibromomethane	9.21	93	48387	20.871	ug/l 94

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 VSTDCCC020EC

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 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)
41) Bromodichloromethane	9.40	83	96732	20.358	ug/l	99
42) Vinyl Acetate	5.90	43	884046	98.755	ug/l	99
43) Ethyl Acetate	6.93	43	93158	20.555	ug/l #	100
44) Isopropyl Acetate	8.17	43	146817	19.563	ug/l #	89
45) 1,4-Dioxane	9.20	88	28289	400.677	ug/l	98
46) Methyl methacrylate	9.20	41	67683	19.330	ug/l	97
47) n-amyl Acetate	12.07	43	114888	18.508	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	97107	18.514	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	110250	19.204	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	68382	20.261	ug/l	98
51) Ethyl methacrylate	10.43	69	106158	19.514	ug/l	99
52) 1,3-Dichloropropane	10.71	76	112063	20.144	ug/l	100
53) Dibromochloromethane	10.90	129	80911	20.294	ug/l	97
54) 1,2-Dibromoethane	11.00	107	70970	20.321	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	194906	92.083	ug/l	99
56) Bromoform	12.13	173	60874	18.613	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	442950	98.753	ug/l	99
59) 2-Hexanone	10.75	43	302877	94.452	ug/l	99
61) Tetrachloroethene	10.63	164	76694	20.910	ug/l	96
62) Toluene	10.16	91	299357	20.546	ug/l	100
64) Chlorobenzene	11.43	112	178785	20.228	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	72715	20.419	ug/l	99
66) Ethyl Benzene	11.51	91	320449	20.129	ug/l	100
67) m/p-Xylenes	11.62	106	244940	40.502	ug/l	99
68) o-Xylene	11.95	106	121880	20.366	ug/l	99
69) Styrene	11.96	104	194987	19.749	ug/l	99
70) Isopropylbenzene	12.25	105	319126	20.381	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	98387	20.417	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	116533	28.098	ug/l	66
73) Bromobenzene	12.53	156	81636	19.707	ug/l	99
74) n-propylbenzene	12.59	91	330611	19.577	ug/l	99
75) 2-Chlorotoluene	12.67	91	207891	20.153	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	260428	20.122	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	27956	16.970	ug/l	98
78) 4-Chlorotoluene	12.77	91	190301	19.465	ug/l	100
79) tert-butylbenzene	12.99	119	231761	20.368	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	258091	20.087	ug/l	99
81) sec-Butylbenzene	13.17	105	288301	19.942	ug/l	100
82) p-Isopropyltoluene	13.29	119	261390	19.646	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	124997	19.249	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	114744	18.554	ug/l	99
85) n-Butylbenzene	13.61	91	191844	18.534	ug/l	100
86) Hexachloroethane	13.87	117	51793	19.791	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	128101	19.591	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17334	18.979	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	57612	16.323	ug/l	99
90) Hexachlorobutadiene	15.01	225	47864	18.175	ug/l	99
91) Naphthalene	15.13	128	165351	17.146	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	63661	17.258	ug/l	97

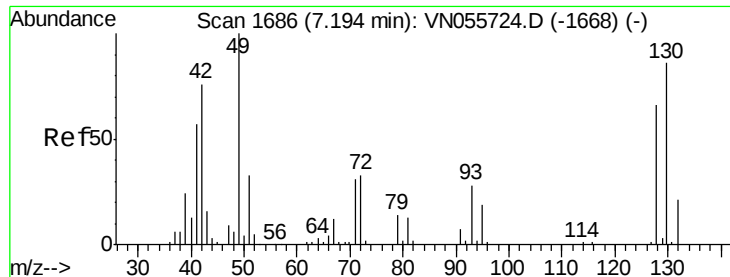
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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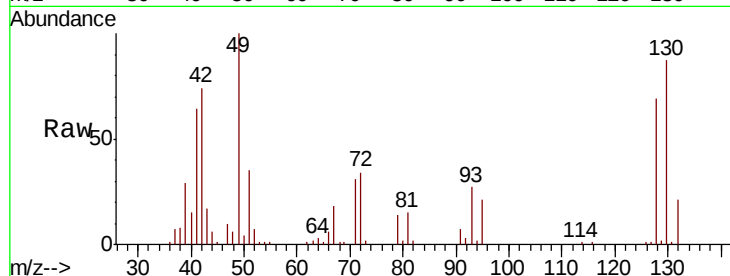
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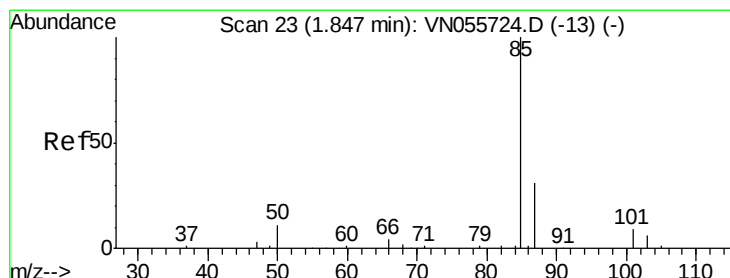
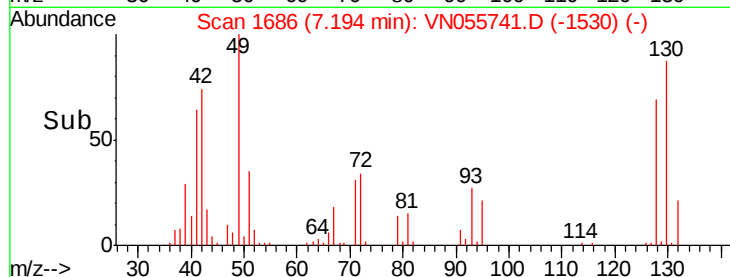
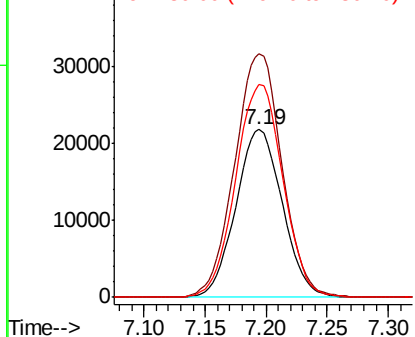
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 57740
Ion Ratio Lower Upper
128 100
49 147.7 0.0 383.2
130 129.4 0.0 326.3

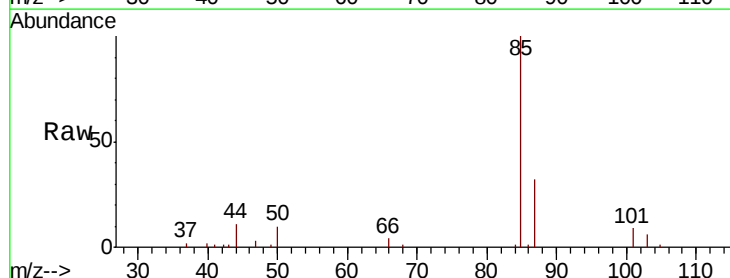


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

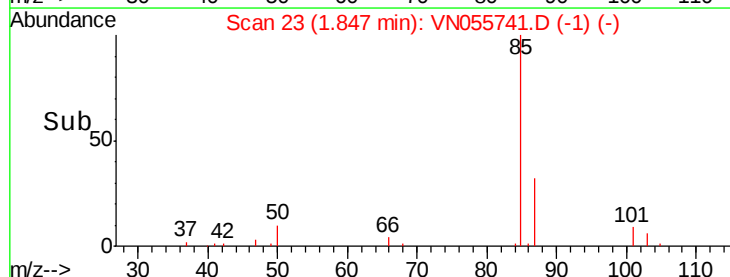
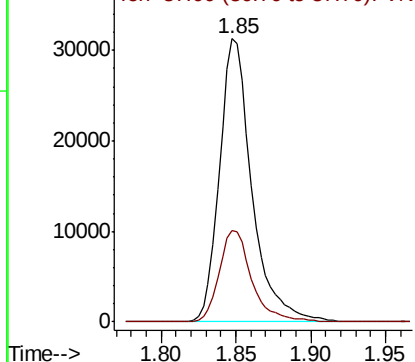


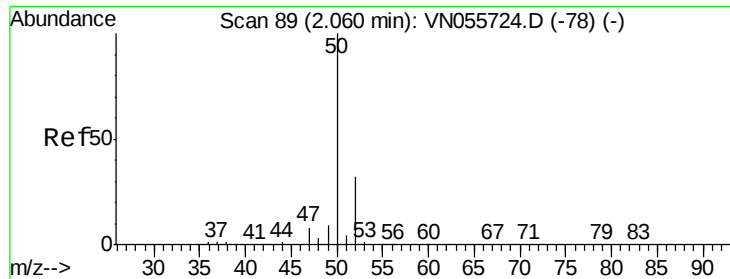
#2
Dichlorodifluoromethane
Concen: 18.629 ug/l
RT: 1.85 min Scan# 23
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 85 Resp: 47161
Ion Ratio Lower Upper
85 100
87 32.3 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: 19.586 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

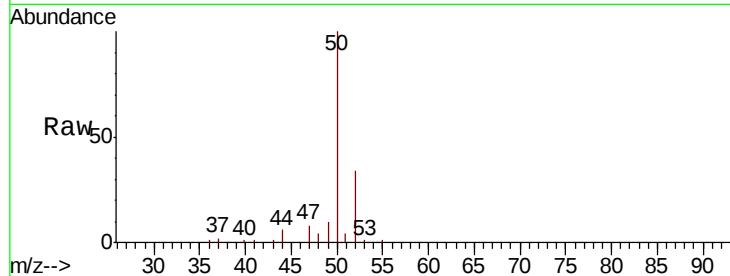
VSTDCCC020EC

Tot Ion: 50 Resp: 70529

Ion Ratio Lower Upper

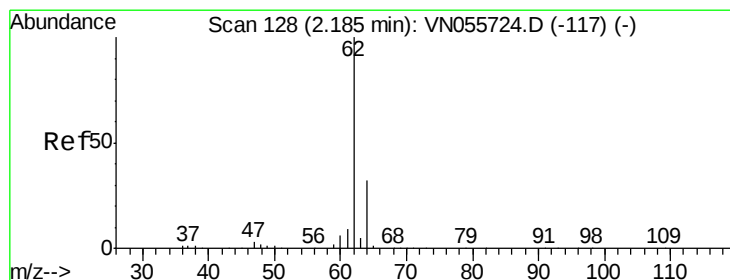
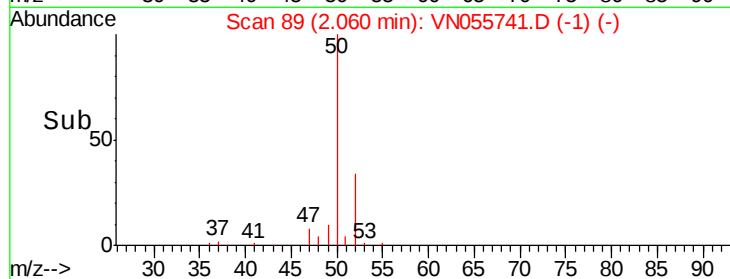
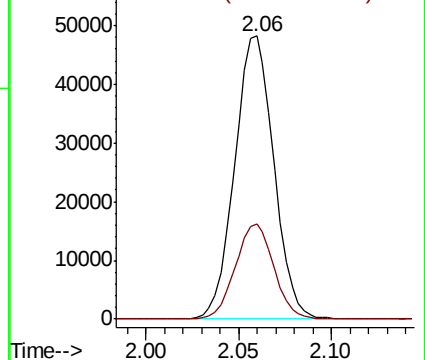
50 100

52 33.6 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: 19.886 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055741.D

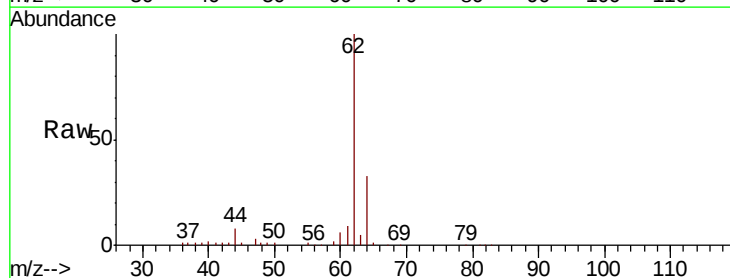
Acq: 23 May 2019 1:17

Tgt Ion: 62 Resp: 73085

Ion Ratio Lower Upper

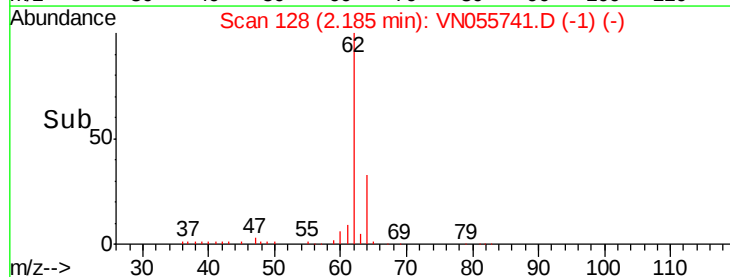
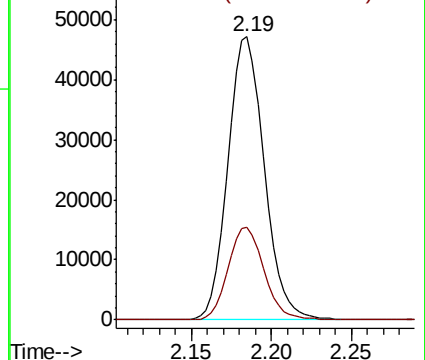
62 100

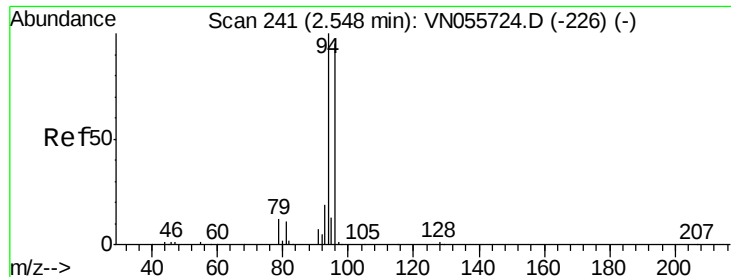
64 32.8 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 23.198 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

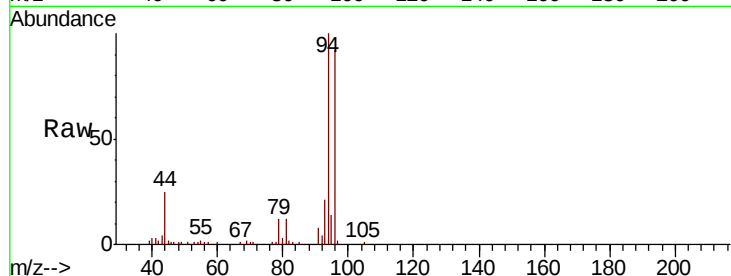
VSTDCCC020EC

Tot Ion: 94 Resp: 49917

Ion Ratio Lower Upper

94 100

96 91.7 75.8 113.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

5000

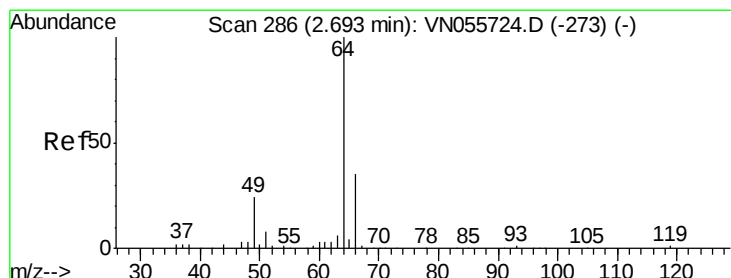
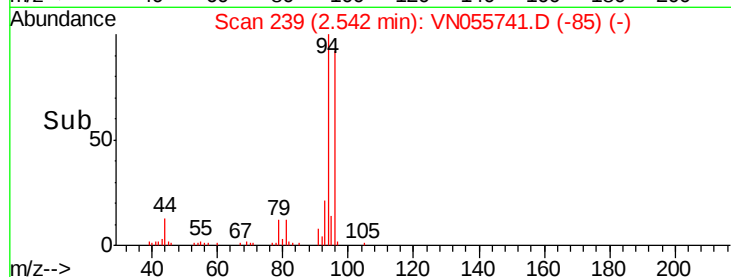
0

2.54

2.50

2.60

Time-->



#6

Chloroethane

Concen: 21.346 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055741.D

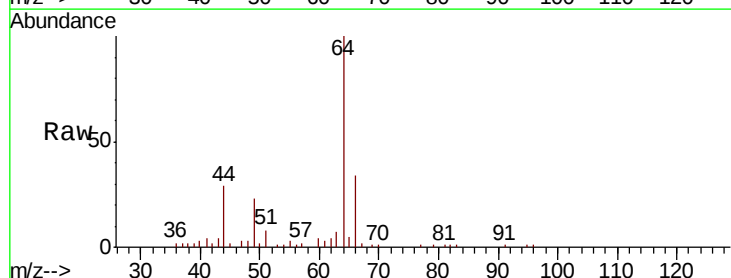
Acq: 23 May 2019 1:17

Tgt Ion: 64 Resp: 45830

Ion Ratio Lower Upper

64 100

66 33.6 27.9 41.9



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

10000

5000

0

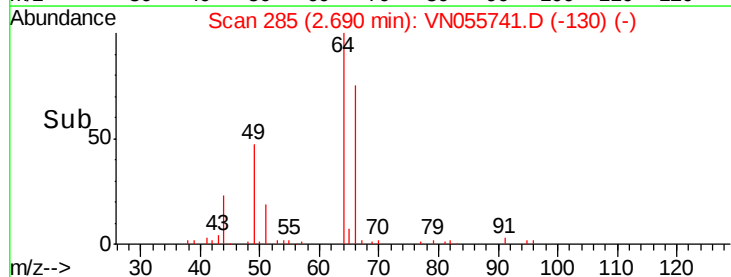
2.69

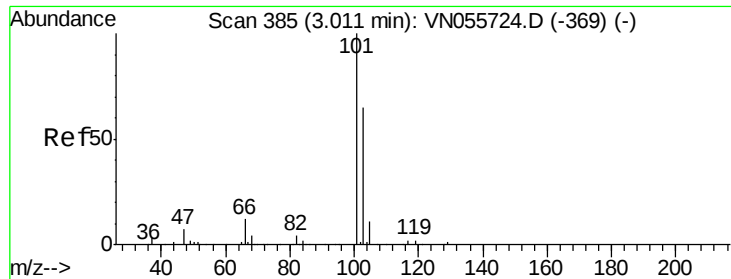
2.60

2.75

2.80

Time-->



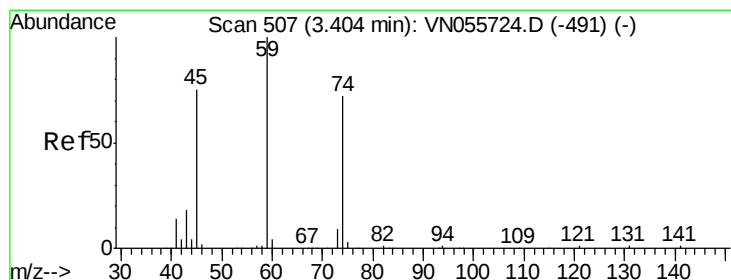
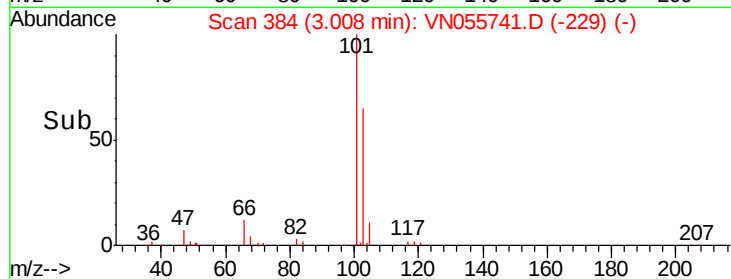
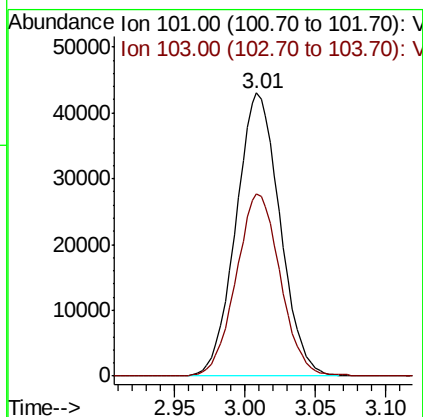
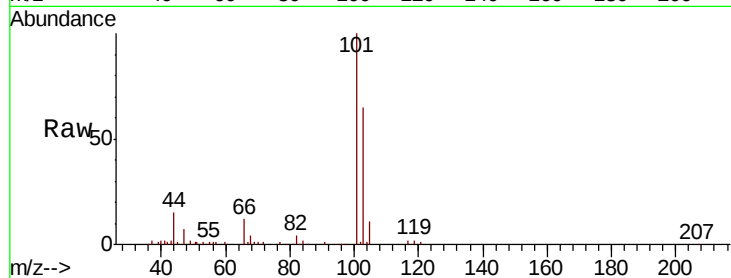


#7

Trichlorofluoromethane
 Concen: 20.335 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055741.D
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Instrument :
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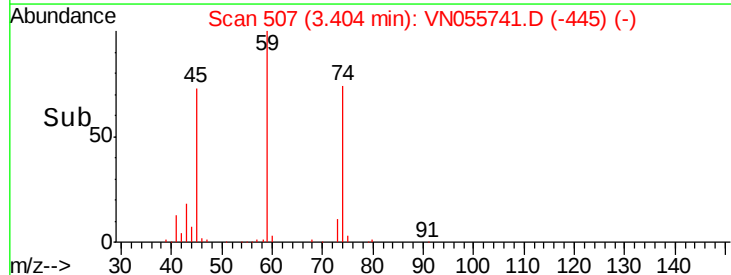
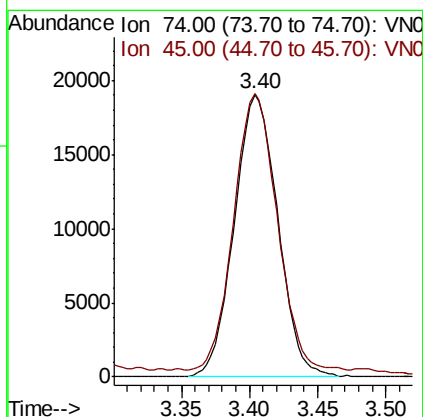
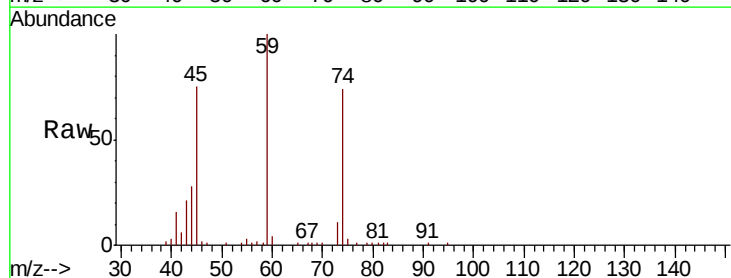
Tot Ion:101 Resp: 93759
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 78.8

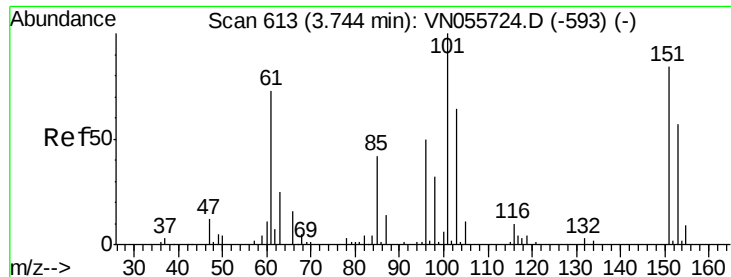


#8

Diethyl Ether
 Concen: 20.840 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 74 Resp: 42241
 Ion Ratio Lower Upper
 74 100
 45 96.9 20.4 184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.198 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

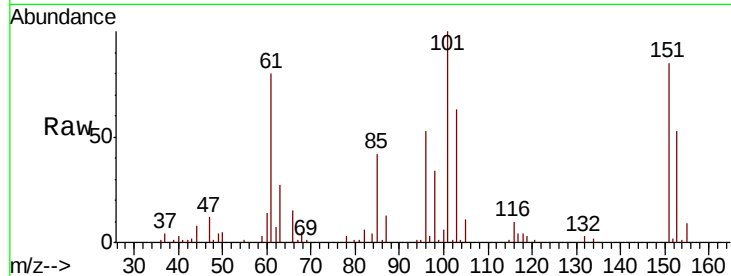
Tot Ion:101 Resp: 55930

Ion Ratio Lower Upper

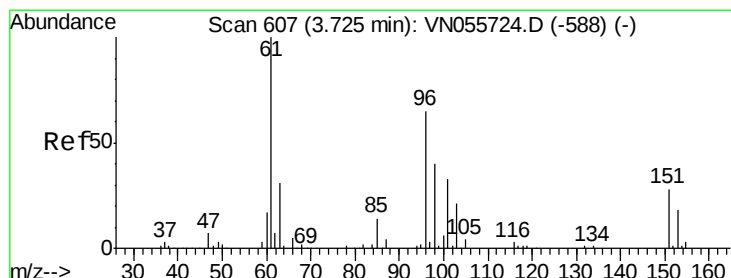
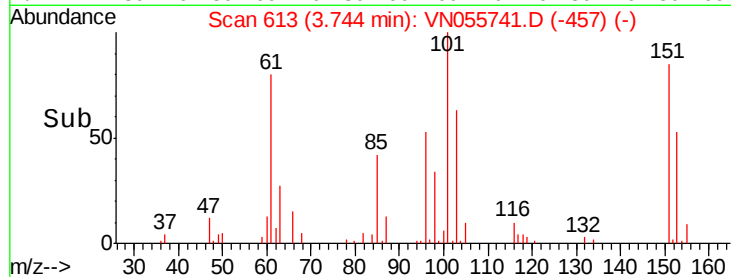
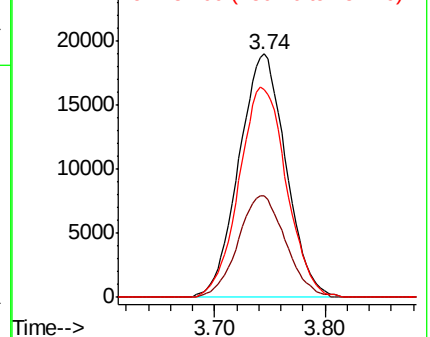
101 100

85 42.2 0.0 86.6

151 87.3 0.0 172.2



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.802 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

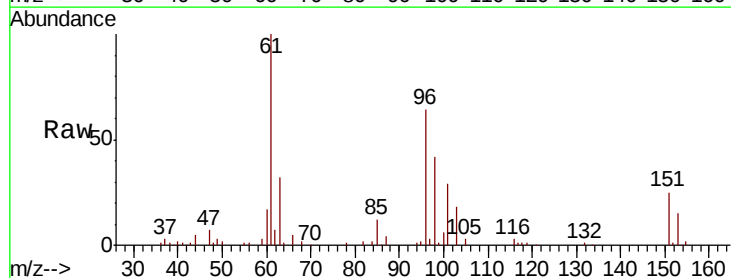
Tgt Ion: 96 Resp: 60351

Ion Ratio Lower Upper

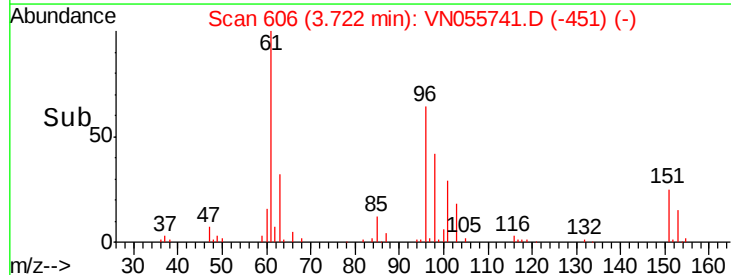
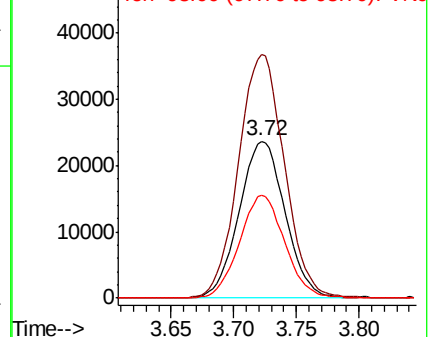
96 100

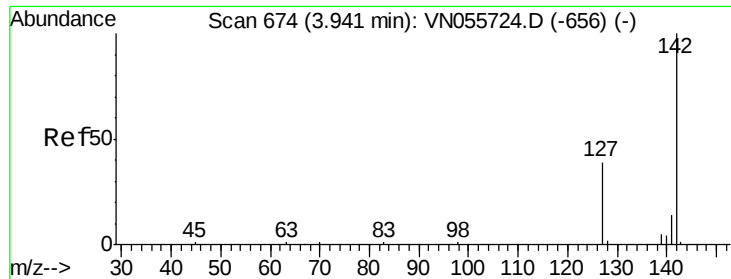
61 154.6 123.7 185.5

98 65.9 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V

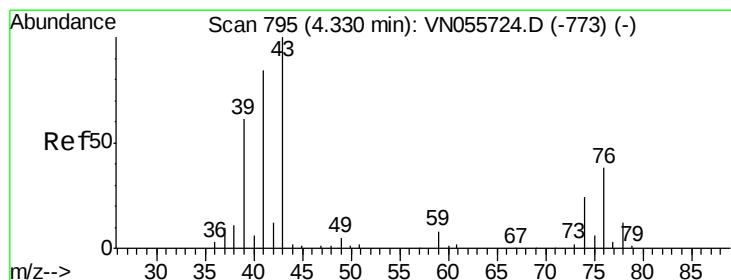
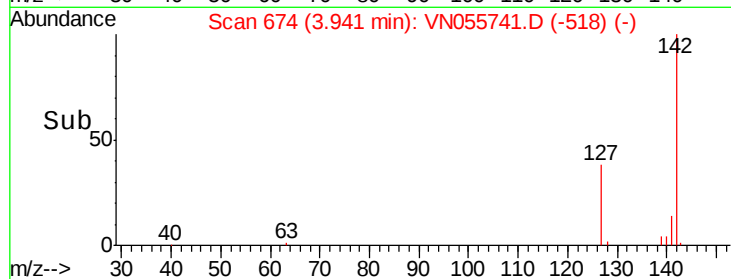
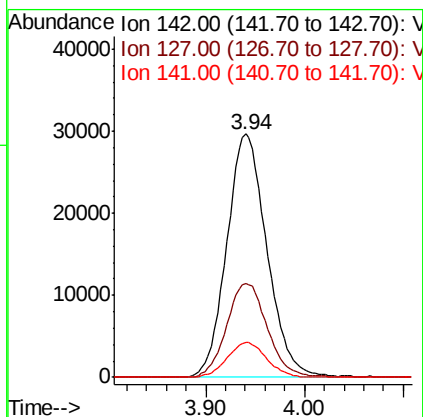
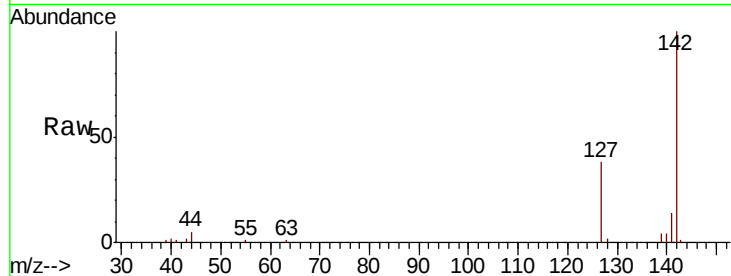




#11
Methyl Iodide
Concen: 19.328 ug/l
RT: 3.94 min Scan# 674
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

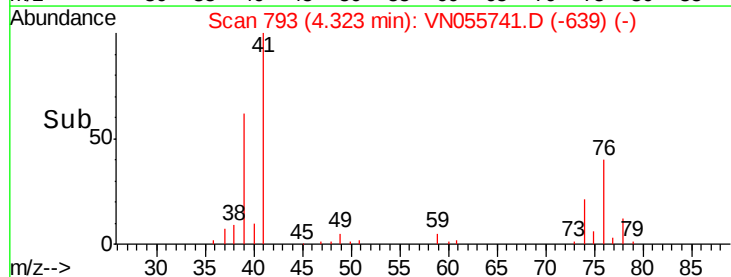
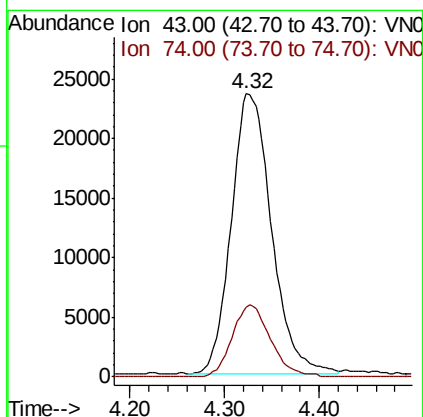
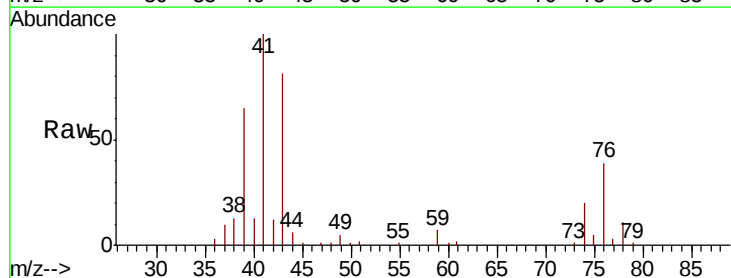
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

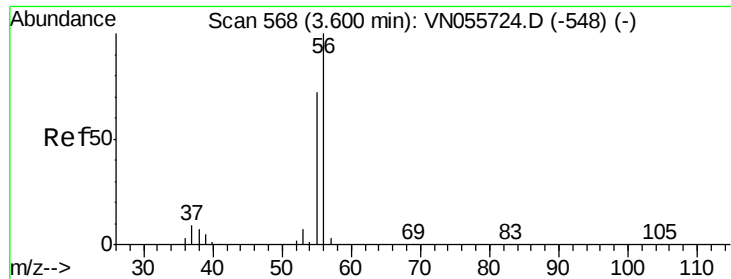
Tot Ion:142 Resp: 84031
Ion Ratio Lower Upper
142 100
127 38.3 19.6 58.7
141 14.5 6.9 20.6



#12
Methyl Acetate
Concen: 18.587 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 43 Resp: 69280
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8





#13

Acrolein

Concen: 89.652 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

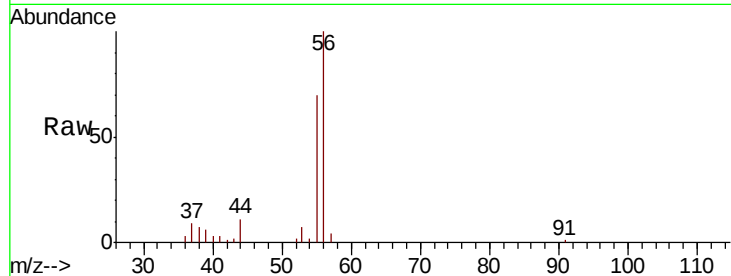
VSTDCCC020EC

Tot Ion: 56 Resp: 46432

Ion Ratio Lower Upper

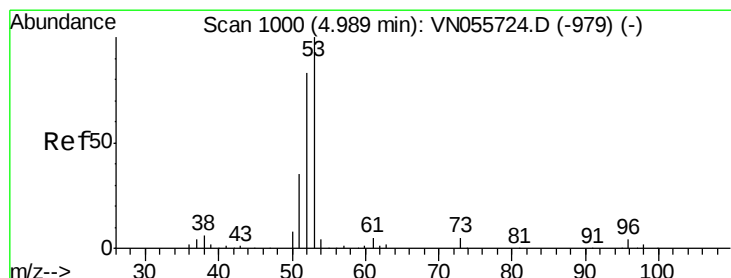
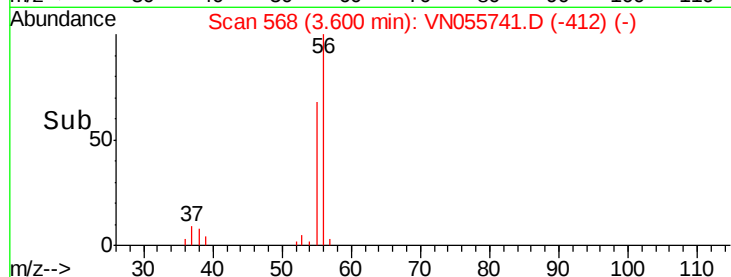
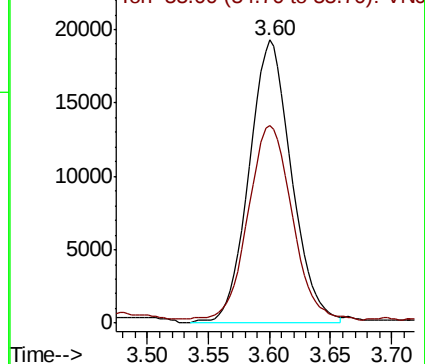
56 100

55 70.3 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: 96.744 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

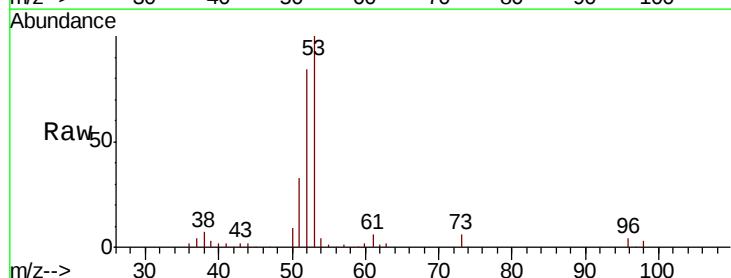
Tgt Ion: 53 Resp: 164405

Ion Ratio Lower Upper

53 100

52 82.9 41.1 123.4

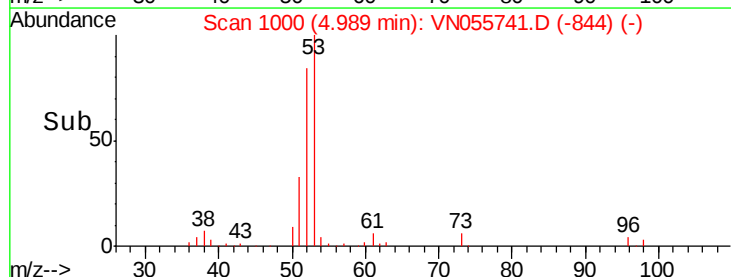
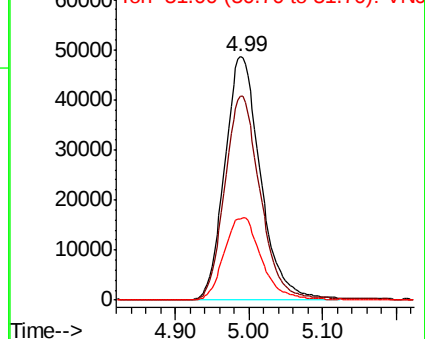
51 35.2 17.5 52.6

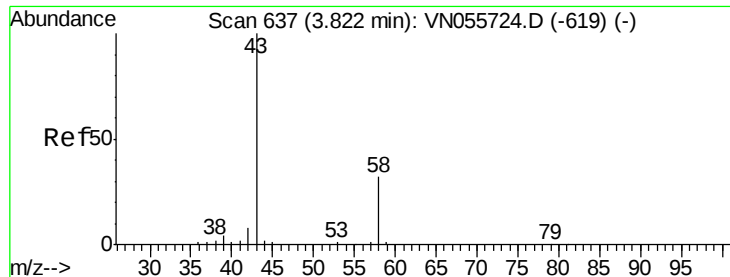


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 82.000 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

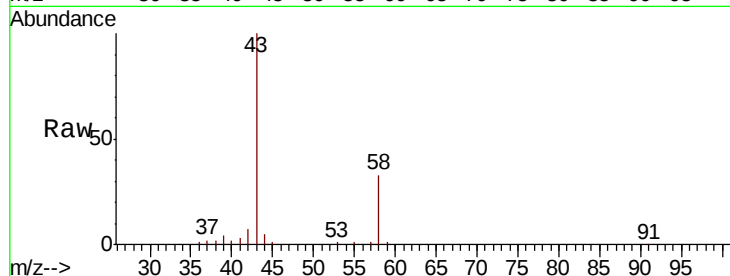
VSTDCCC020EC

Tot Ion: 58 Resp: 43277

Ion Ratio Lower Upper

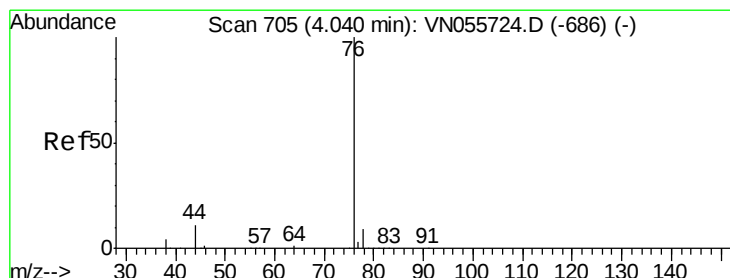
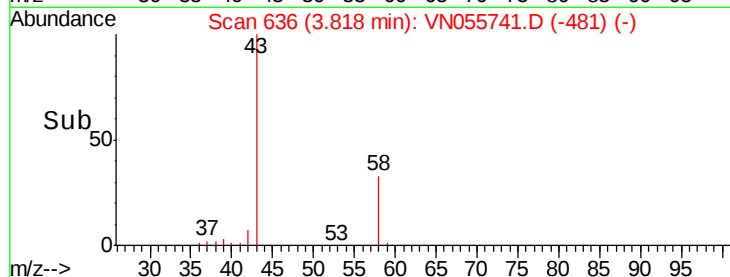
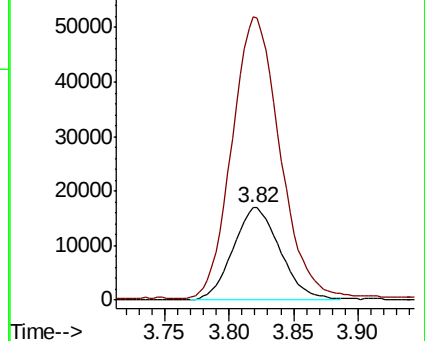
58 100

43 302.5 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.486 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055741.D

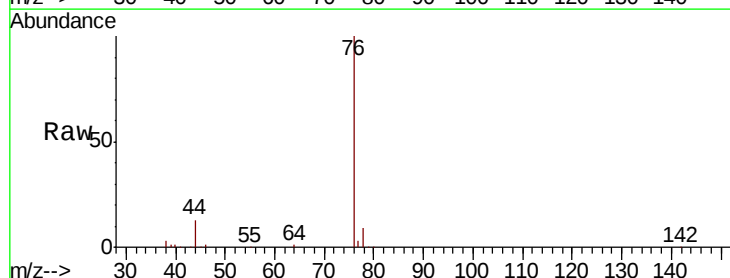
Acq: 23 May 2019 1:17

Tgt Ion: 76 Resp: 170272

Ion Ratio Lower Upper

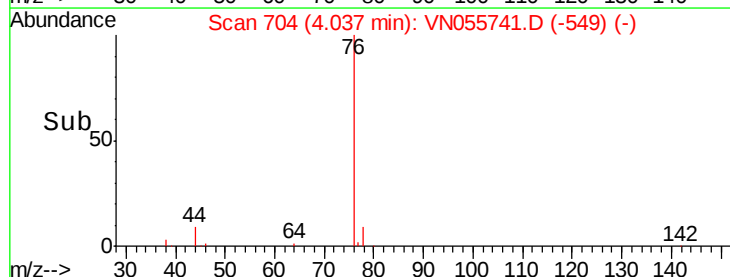
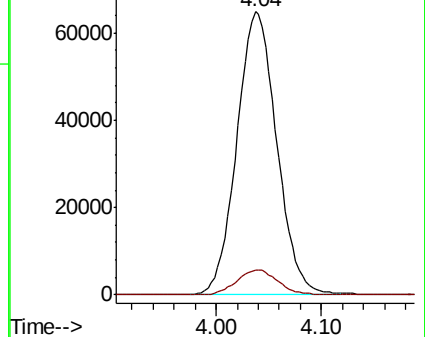
76 100

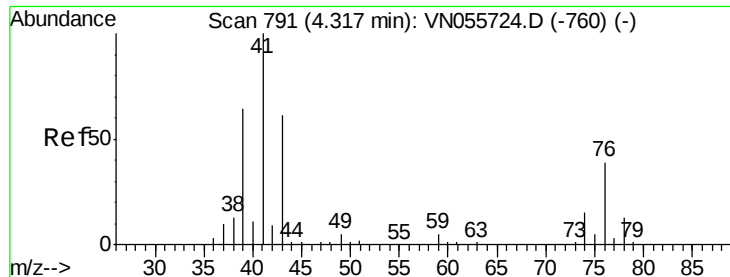
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

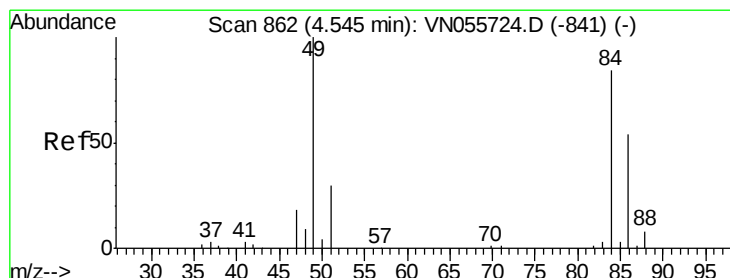
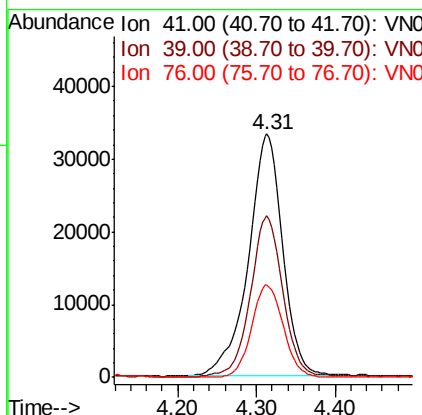
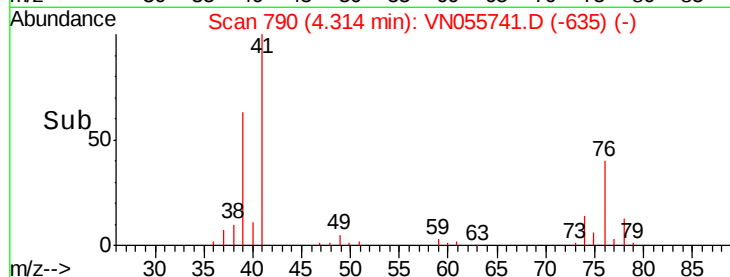
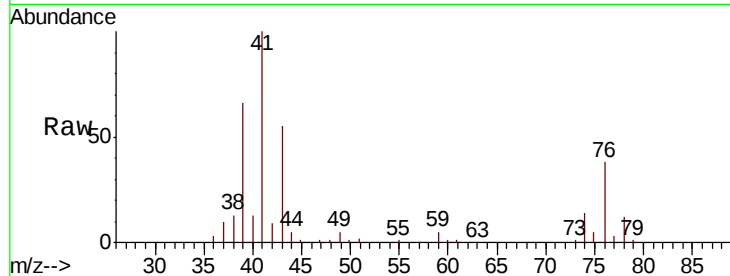




#17
Allvl chloride
Concen: 18.735 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

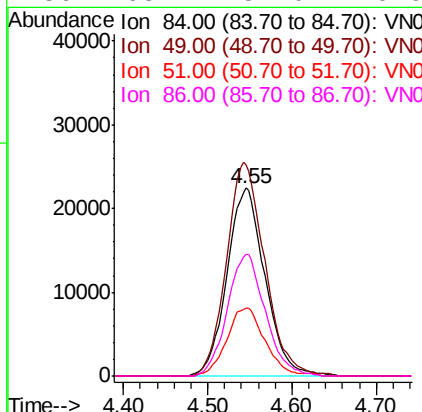
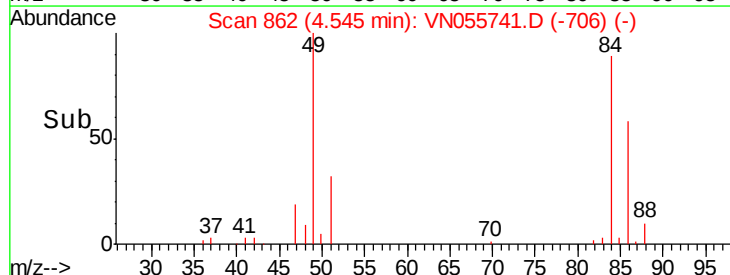
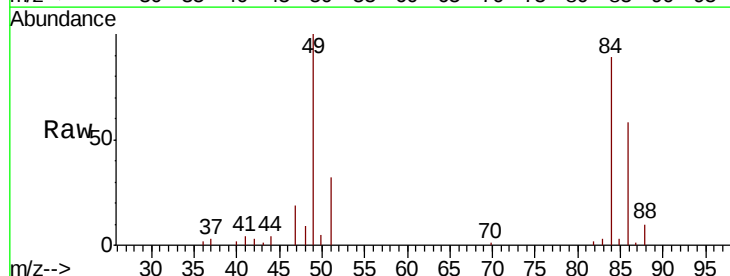
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

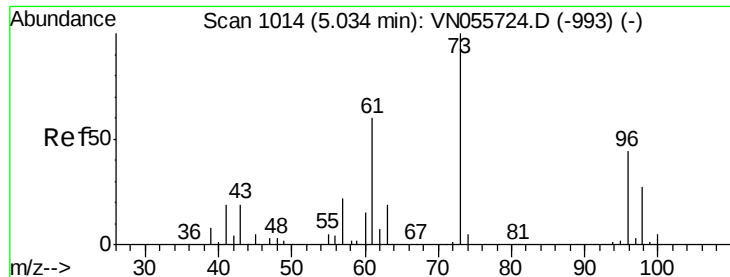
Tot Ion: 41 Resp: 102836
Ion Ratio Lower Upper
41 100
39 66.8 31.8 95.3
76 38.4 19.3 57.9



#18
Methylene Chloride
Concen: 20.195 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 84 Resp: 70489
Ion Ratio Lower Upper
84 100
49 112.8 94.7 142.1
51 36.3 28.6 43.0
86 65.1 51.0 76.6

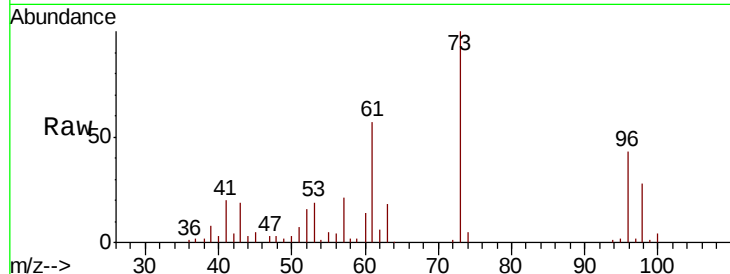




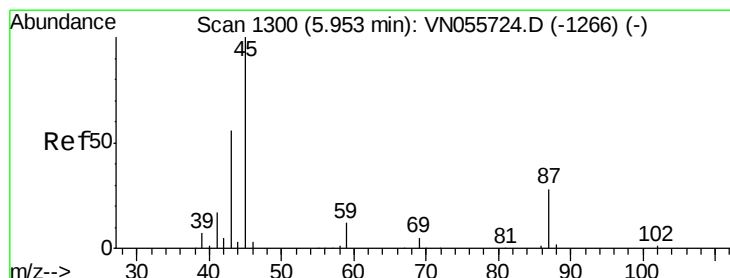
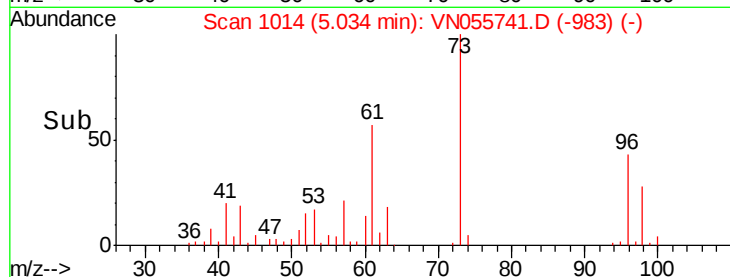
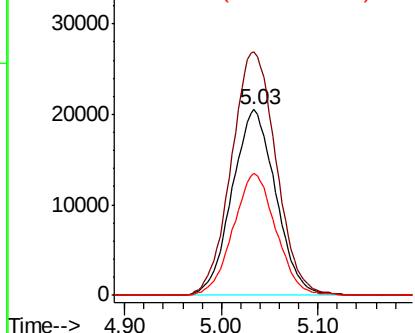
#19
trans-1,2-Dichloroethene
Concen: 19.680 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 64521
Ion Ratio Lower Upper
96 100
61 131.1 108.5 162.7
98 65.4 49.4 74.2

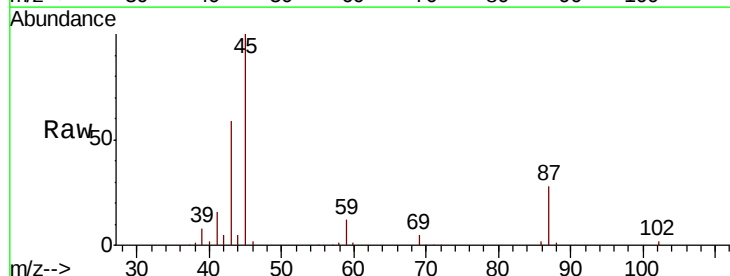


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

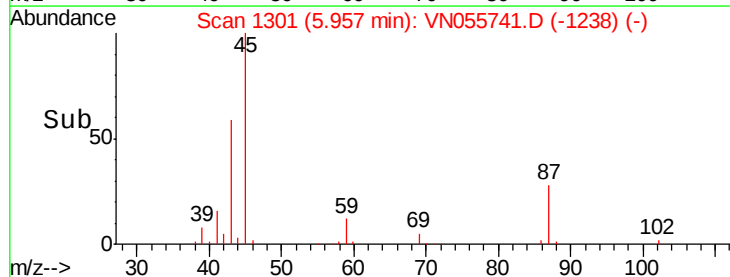
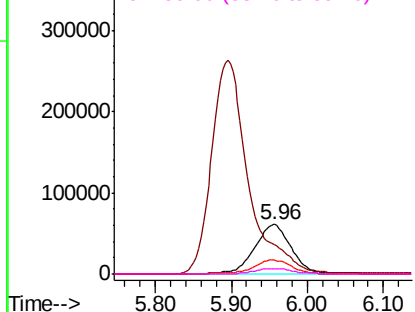


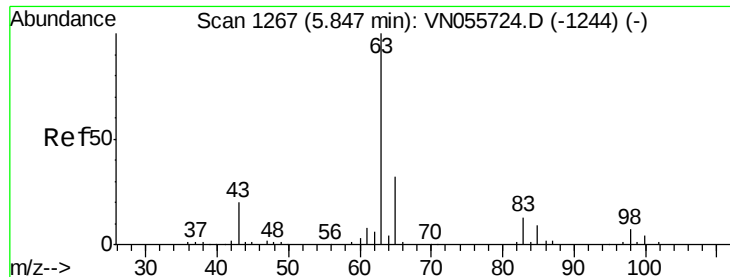
#20
Diisopropyl ether
Concen: 19.201 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 45 Resp: 204454
Ion Ratio Lower Upper
45 100
43 55.4 48.6 73.0
87 27.5 22.6 34.0
59 11.2 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

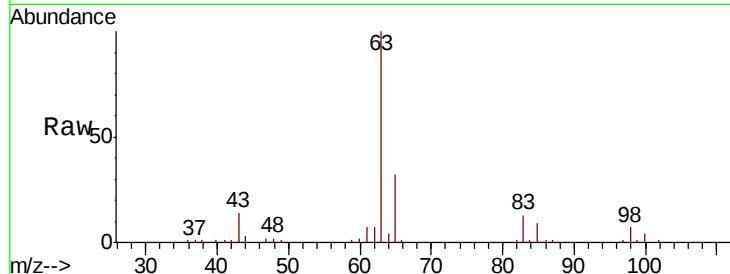




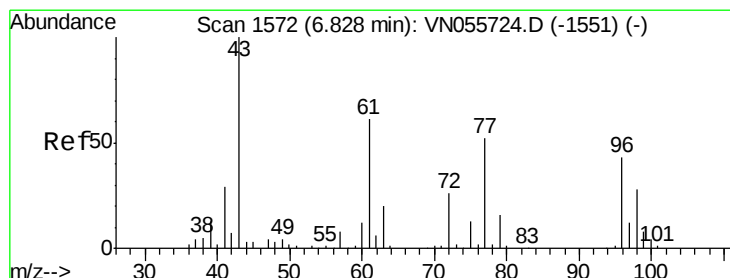
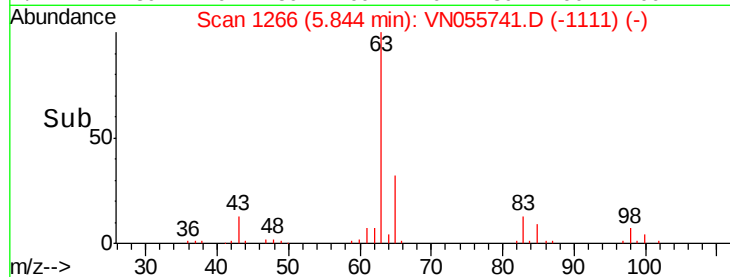
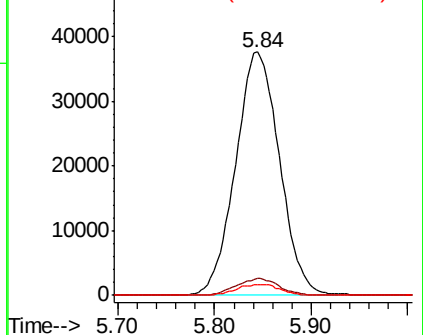
#21
 1,1-Dichloroethane
 Concen: 19.741 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 118802
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.4 2.2 6.6

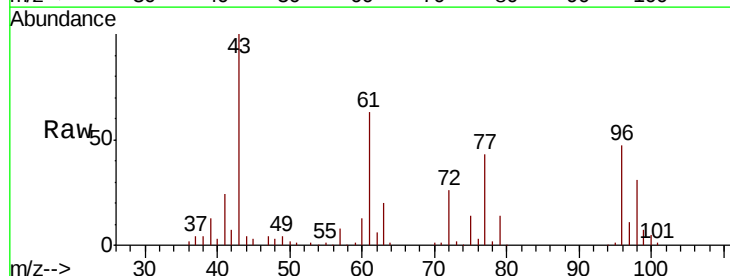


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

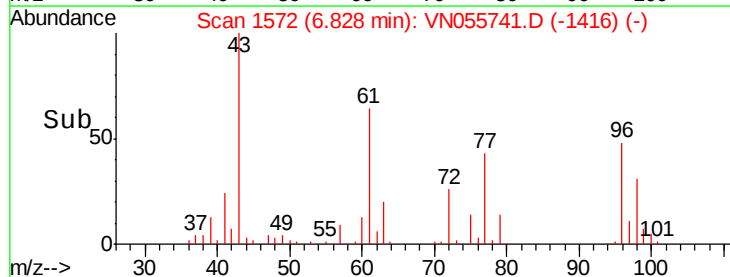
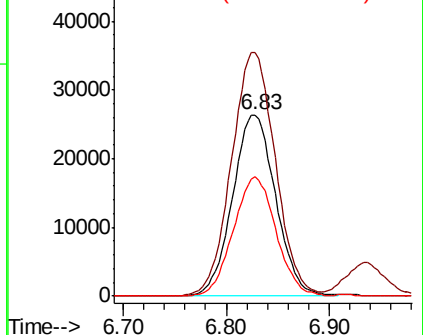


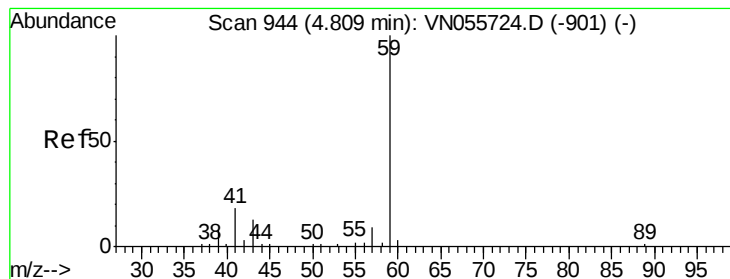
#22
 cis-1,2-Dichloroethene
 Concen: 20.059 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 96 Resp: 76699
 Ion Ratio Lower Upper
 96 100
 61 136.7 115.7 173.5
 98 64.9 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 96.254 ug/l

RT: 4.81 min Scan# 945

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

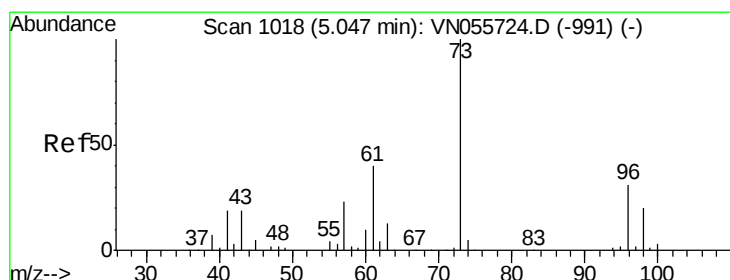
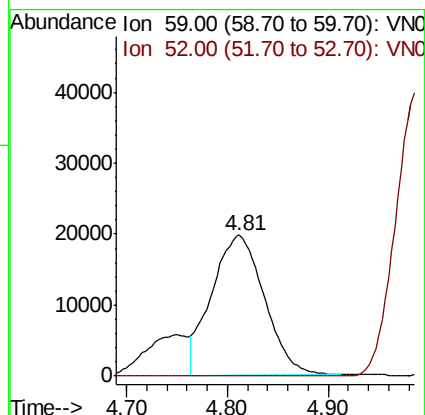
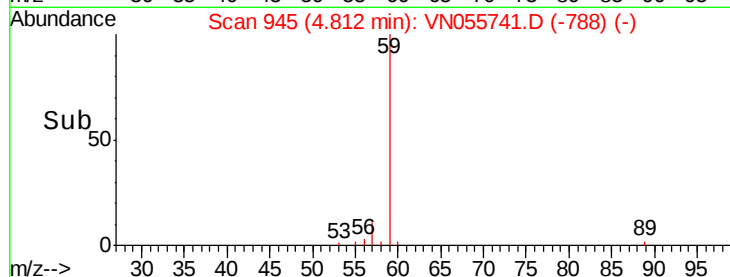
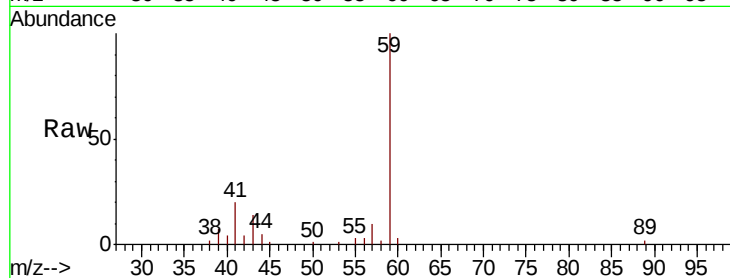
VSTDCCC020EC

Tot Ion: 59 Resp: 71837

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 19.942 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN055741.D

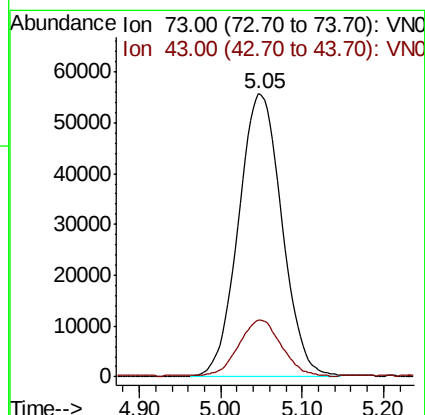
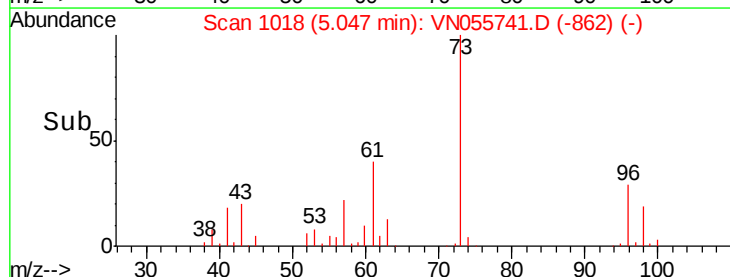
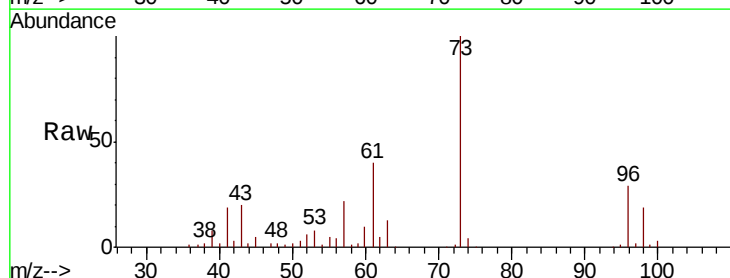
Acq: 23 May 2019 1:17

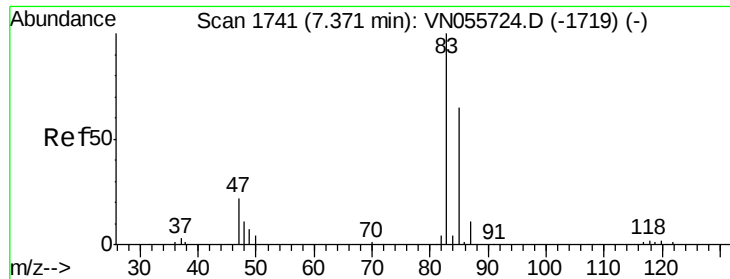
Tgt Ion: 73 Resp: 206222

Ion Ratio Lower Upper

73 100

43 19.2 15.7 23.5

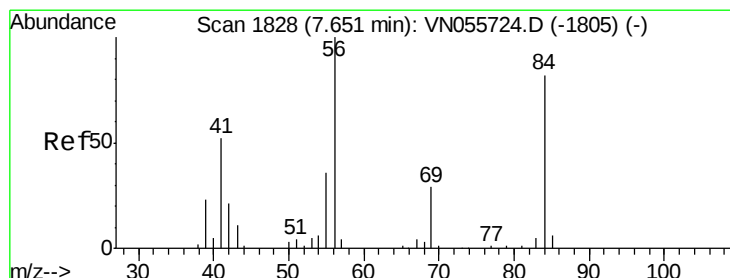
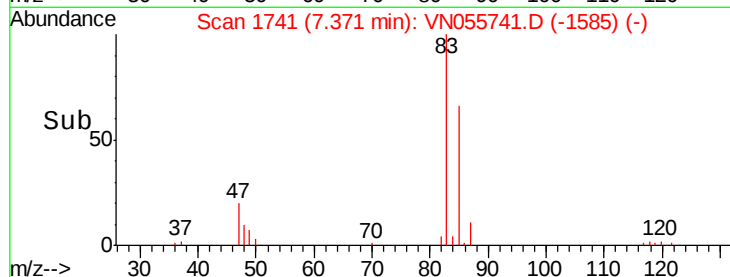
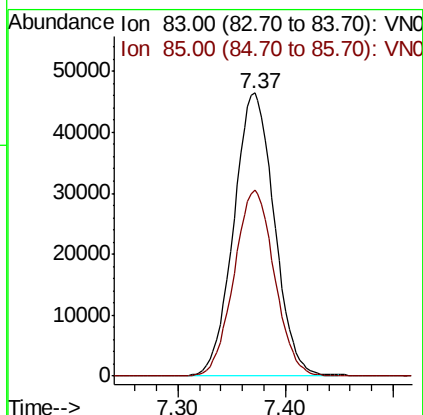
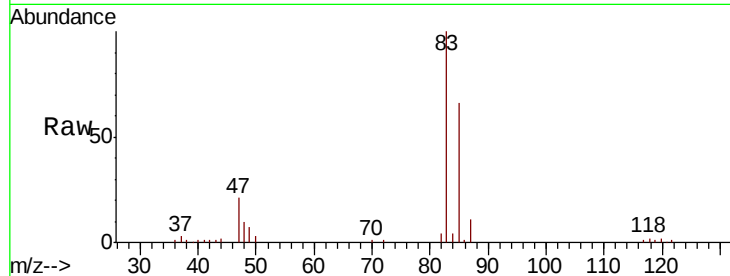




#25
Chloroform
Concen: 20.447 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

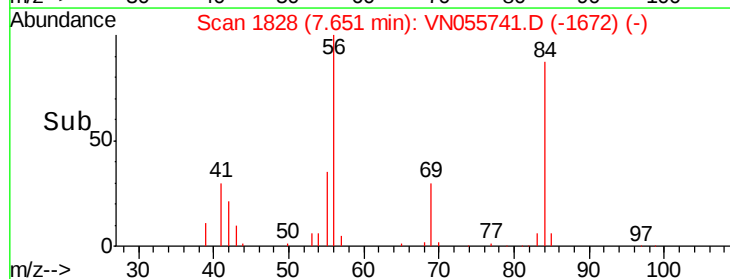
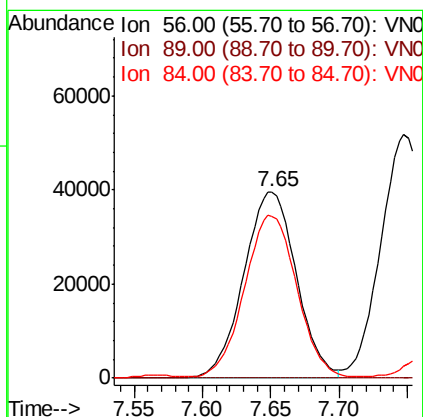
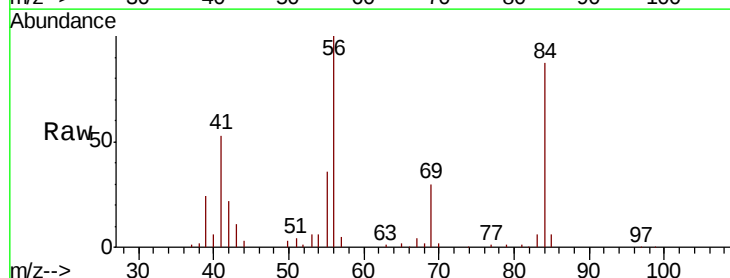
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

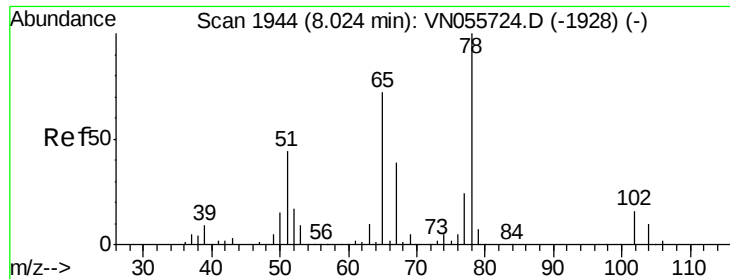
Tot Ion: 83 Resp: 121534
Ion Ratio Lower Upper
83 100
85 65.6 51.7 77.5



#26
Cyclohexane
Concen: 19.109 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 56 Resp: 106089
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 86.5 67.2 100.8





#27

1,2-Dichloroethane-d4

Concen: 30.044 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

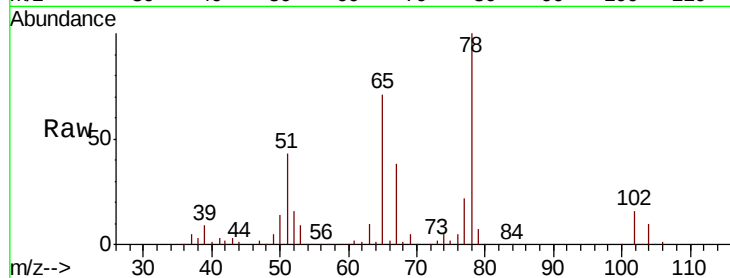
VSTDCCC020EC

Tot Ion: 65 Resp: 113388

Ion Ratio Lower Upper

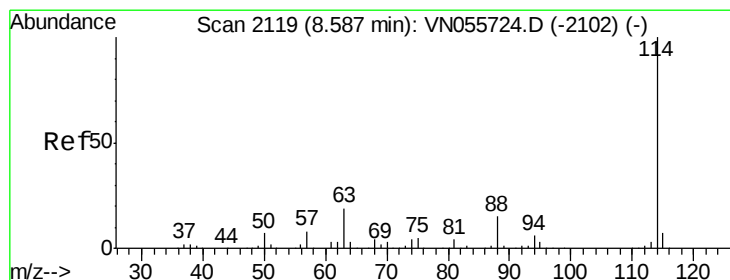
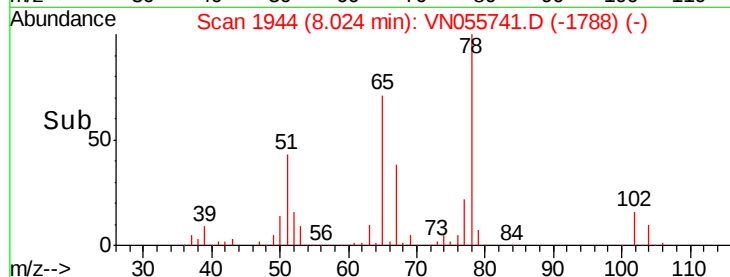
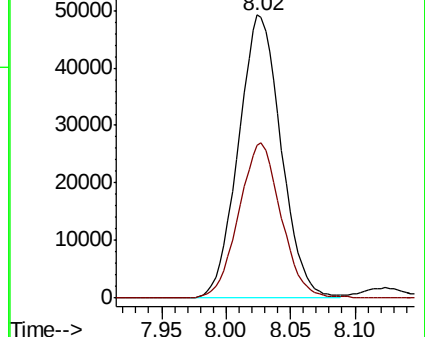
65 100

67 54.1 43.5 65.3



Abundance Ion 65.00 (64.70 to 65.70): VN055724.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN055724.D (-1928) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

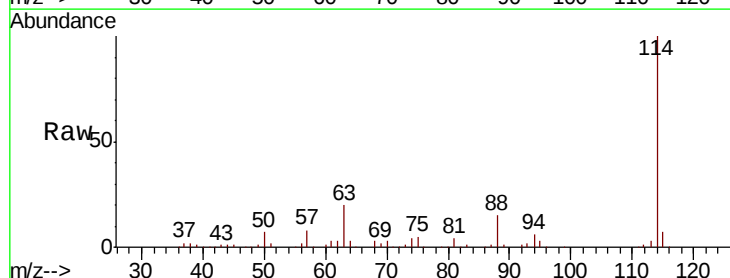
Tgt Ion: 114 Resp: 309006

Ion Ratio Lower Upper

114 100

63 19.6 15.6 23.4

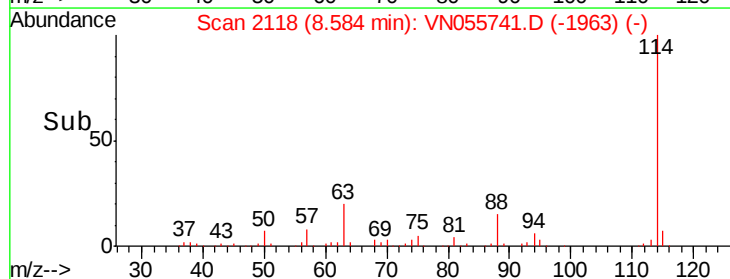
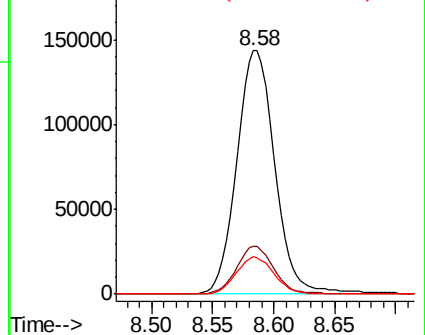
88 15.3 12.3 18.5

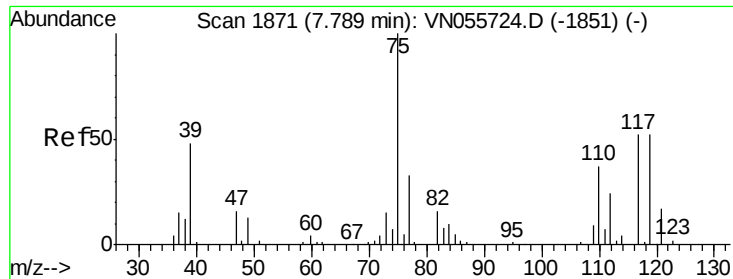


Abundance Ion 114.00 (113.70 to 114.70): VN055724.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055724.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055724.D (-2102) (-)

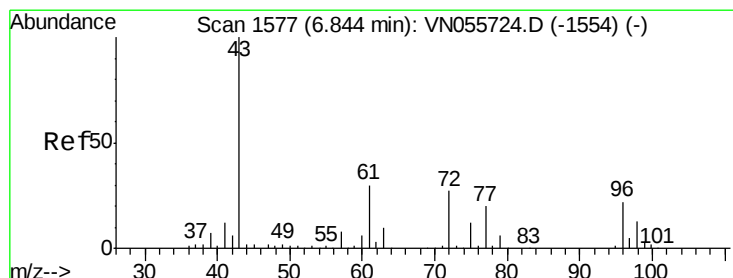
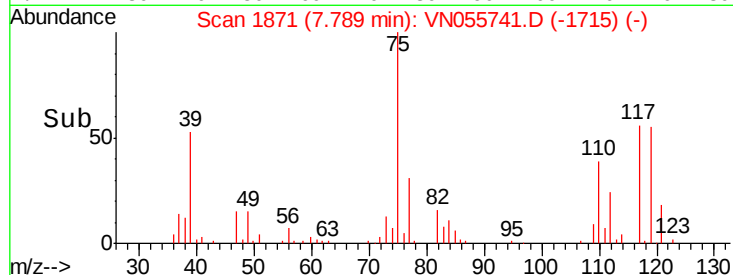
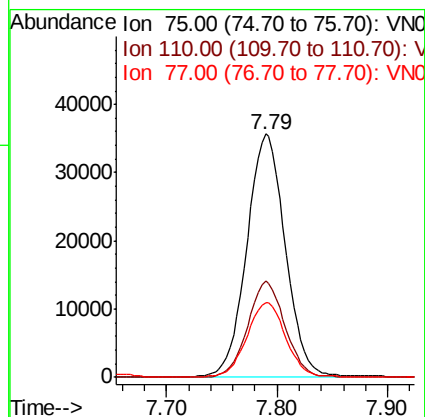
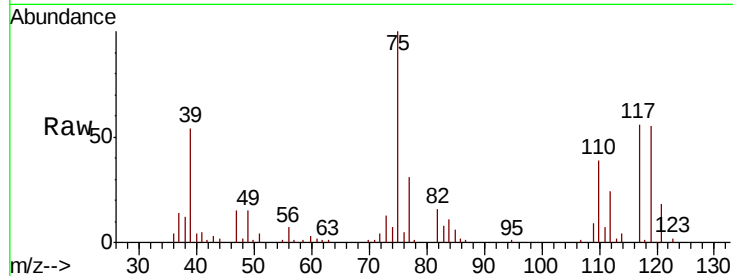




#29
 1,1-Dichloropropene
 Concen: 19.981 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

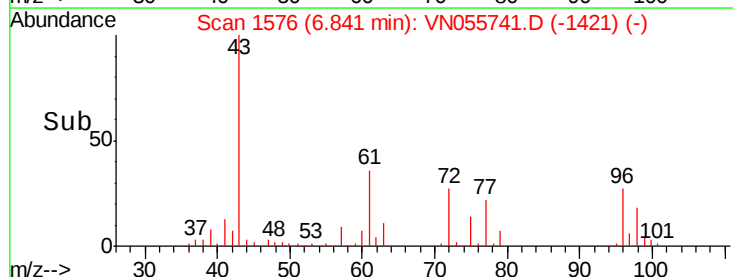
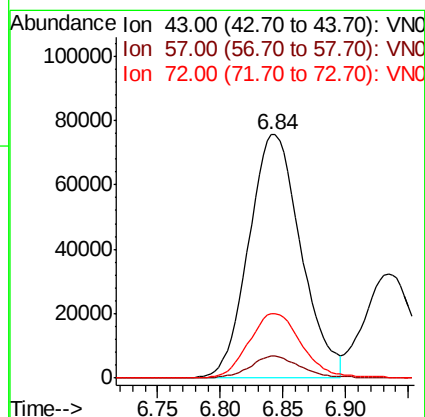
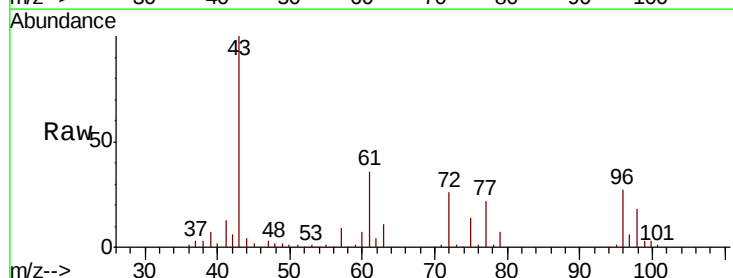
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

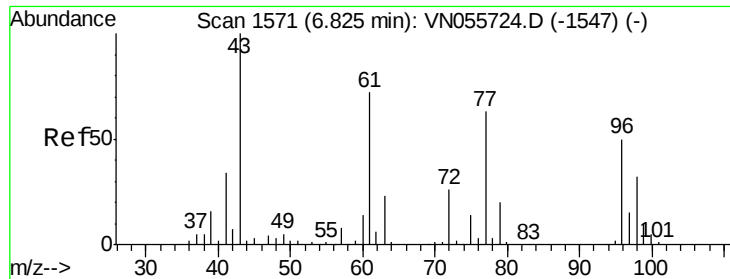
Tot Ion: 75 Resp: 86436
 Ion Ratio Lower Upper
 75 100
 110 38.0 0.0 74.8
 77 30.9 0.0 65.2



#30
 2-Butanone
 Concen: 94.189 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 43 Resp: 217169
 Ion Ratio Lower Upper
 43 100
 57 8.9 6.6 10.0
 72 27.3 21.7 32.5

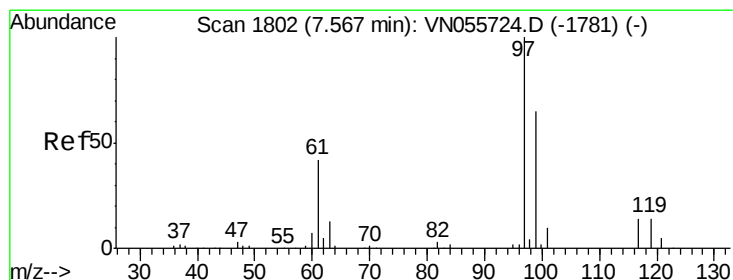
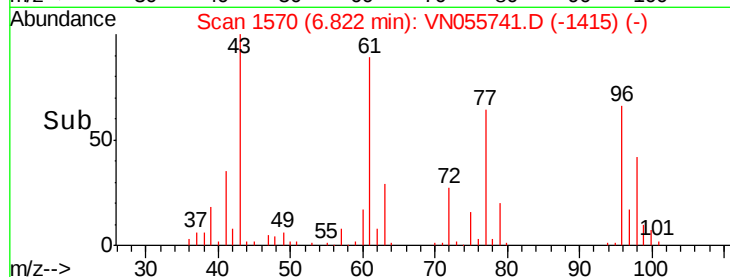
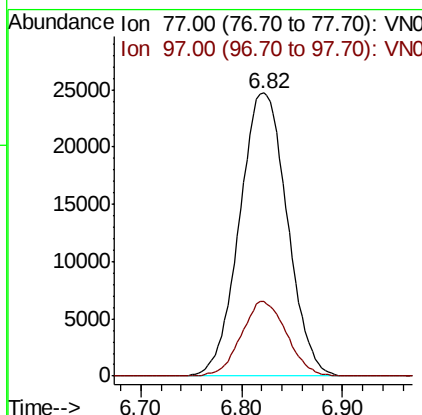
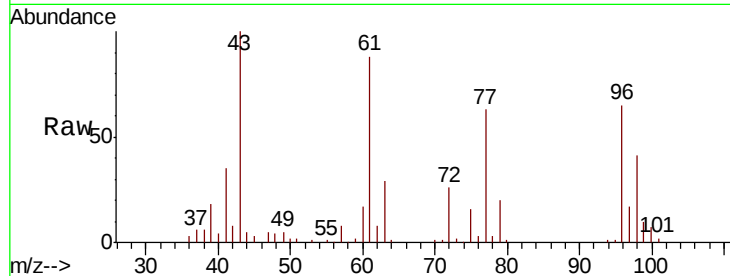




#31
 2,2-Dichloropropane
 Concen: 16.126 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

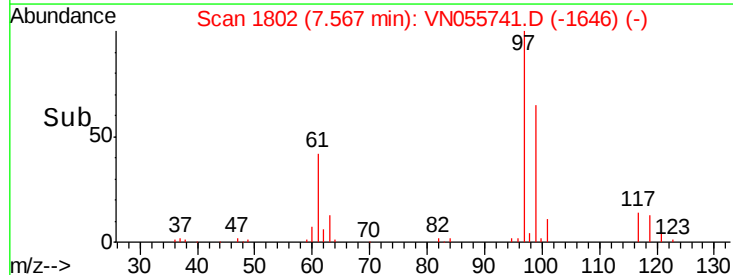
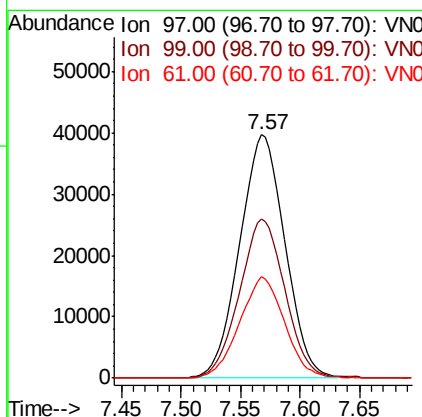
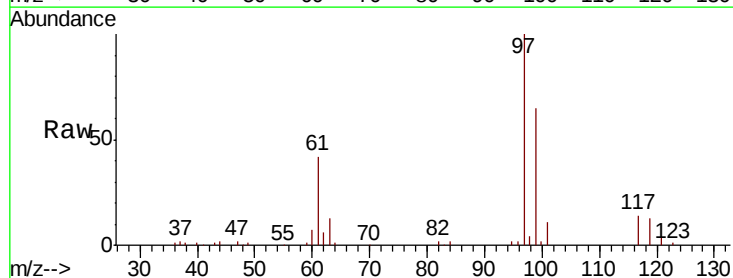
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

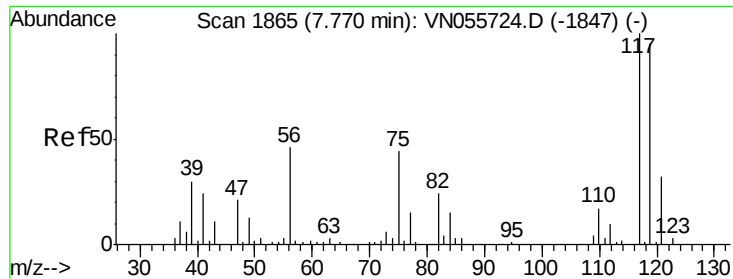
Tot Ion: 77 Resp: 81177
 Ion Ratio Lower Upper
 77 100
 97 25.1 19.2 28.8



#32
 1,1,1-Trichloroethane
 Concen: 20.435 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 97 Resp: 104776
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.7 77.5
 61 41.2 33.1 49.7

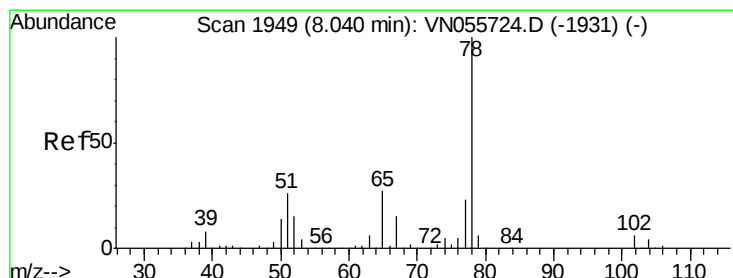
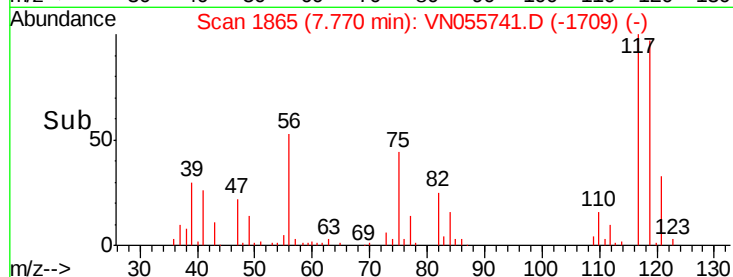
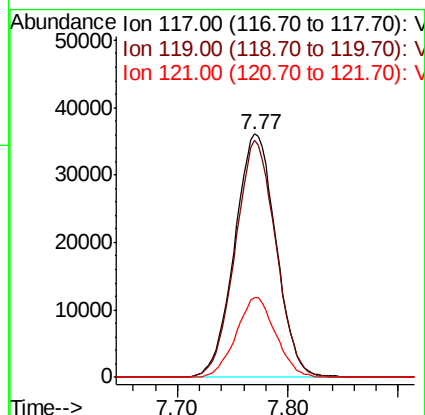
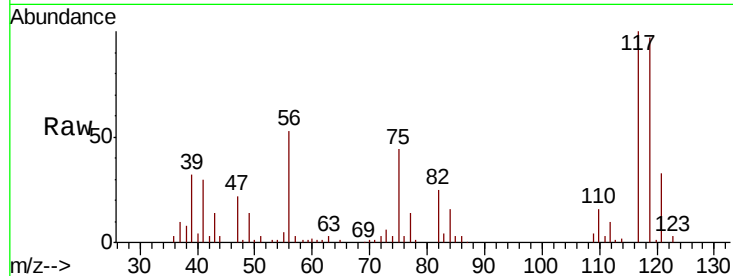




#33
Carbon Tetrachloride
Concen: 20.476 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

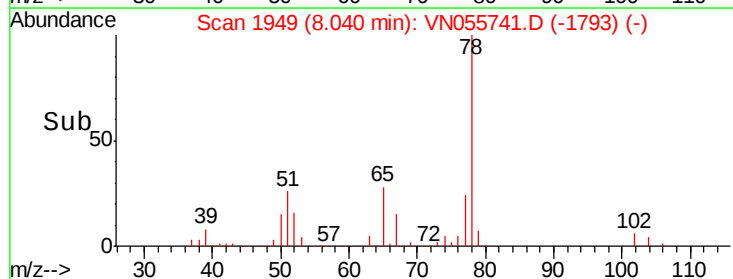
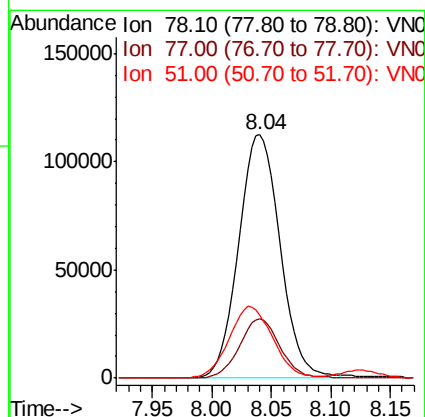
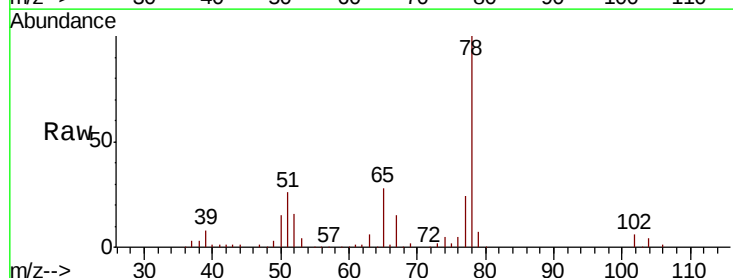
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

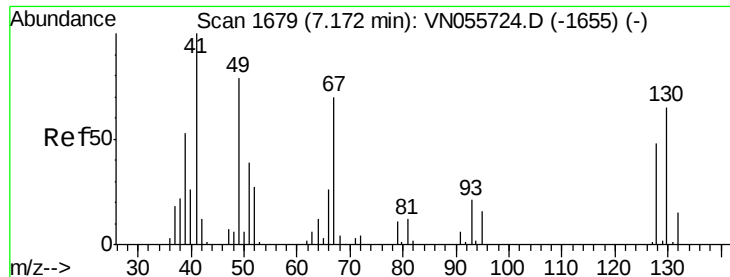
Tot Ion:117 Resp: 93917
Ion Ratio Lower Upper
117 100
119 97.2 75.8 113.8
121 33.0 25.4 38.0



#34
Benzene
Concen: 20.357 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 78 Resp: 271877
Ion Ratio Lower Upper
78 100
77 24.2 18.8 28.2
51 25.8 20.6 31.0

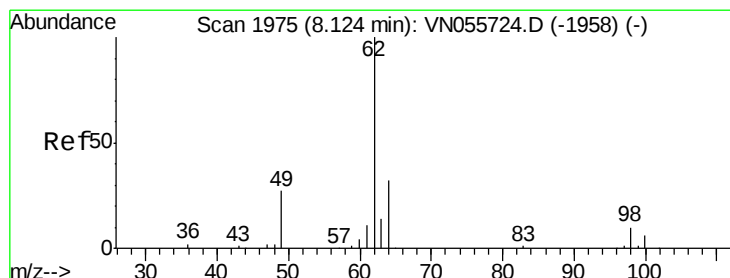
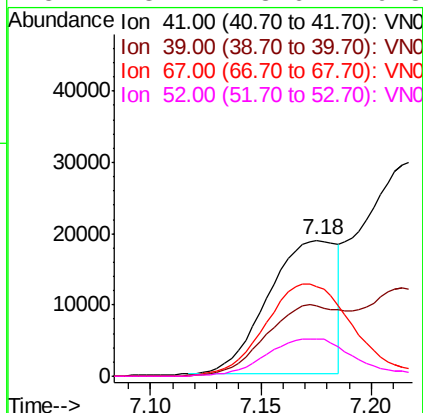
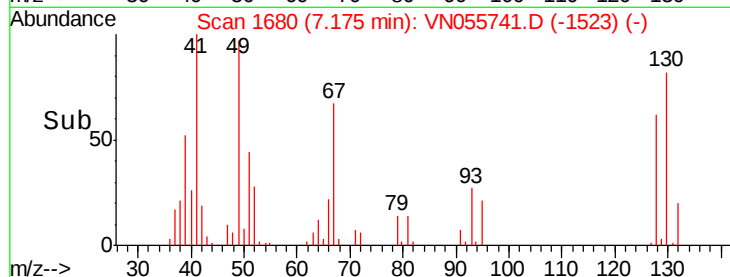
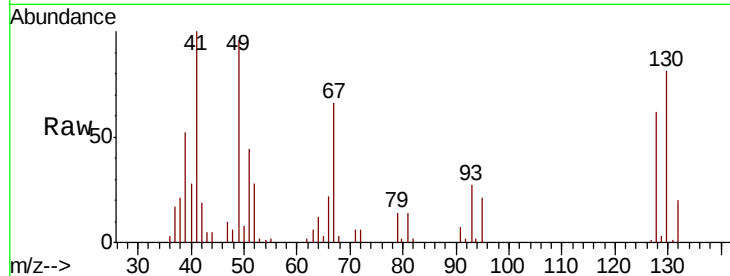




#35
Methacrylonitrile
Concen: 19.173 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

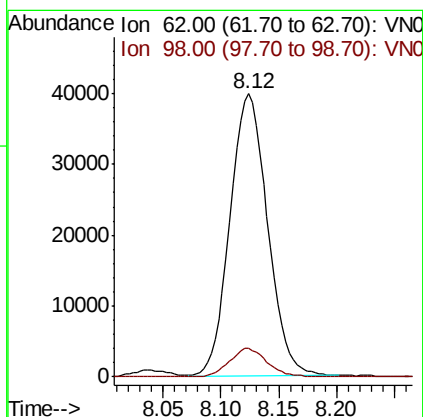
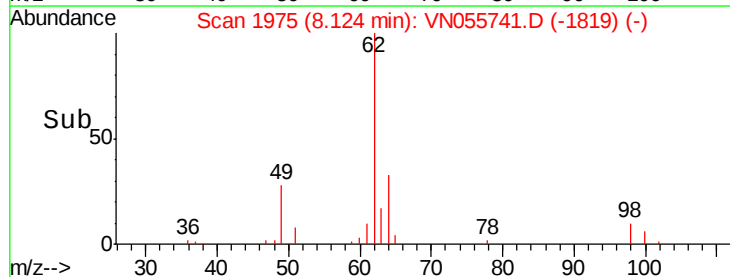
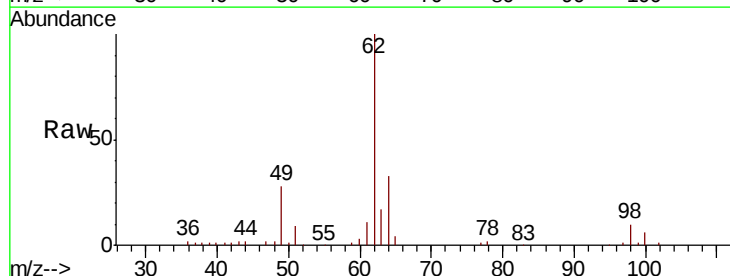
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

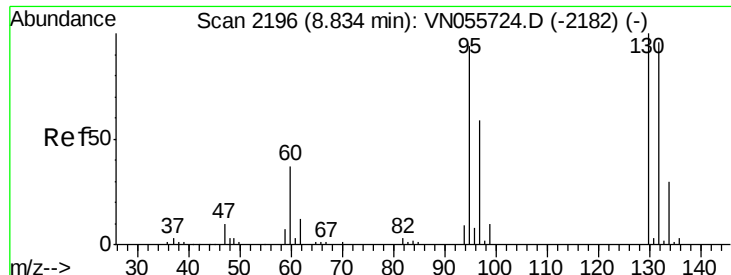
Tot Ion: 41 Resp: 40803
Ion Ratio Lower Upper
41 100
39 51.8 26.7 80.1
67 67.3 34.9 104.7
52 28.1 13.6 40.8



#36
1,2-Dichloroethane
Concen: 20.537 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 62 Resp: 89632
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.2

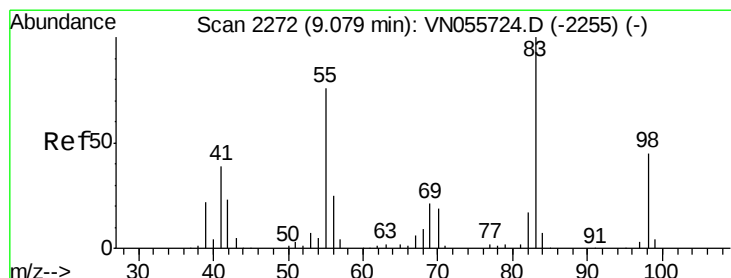
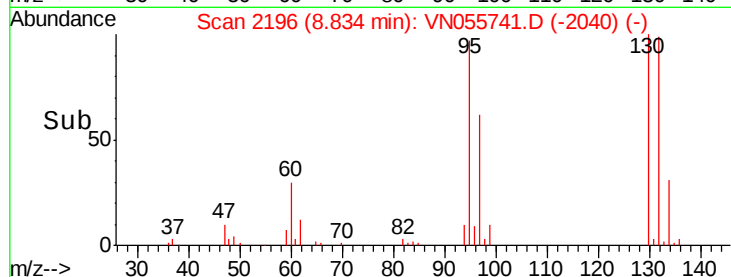
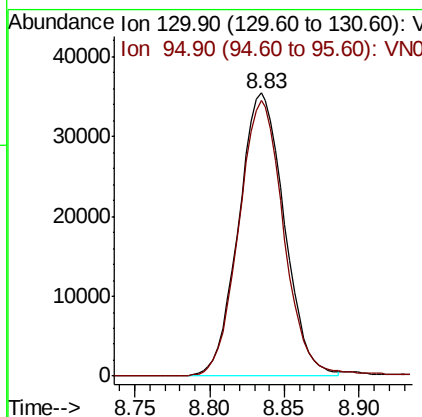
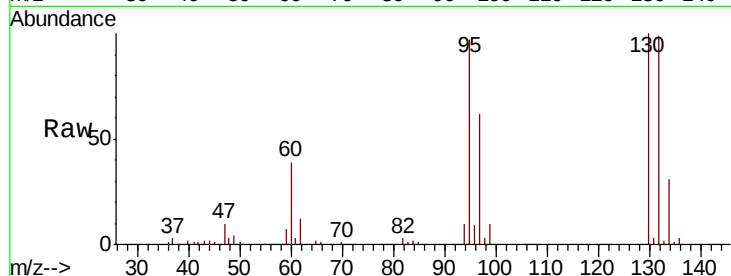




#37
 Trichloroethene
 Concen: 20.188 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

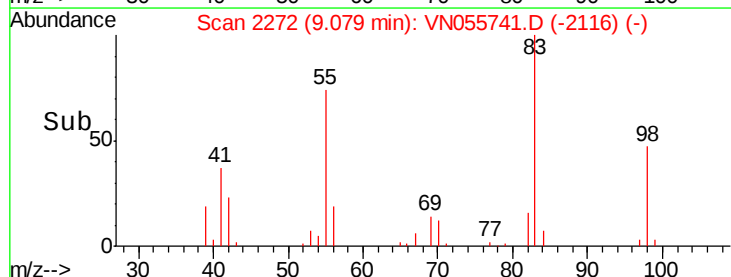
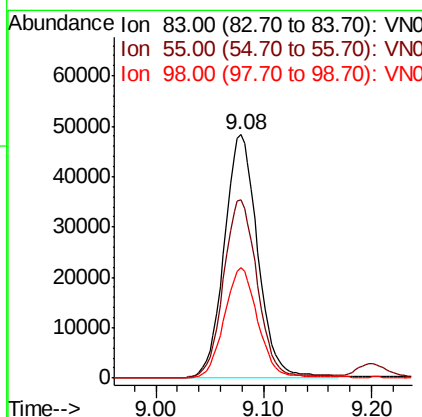
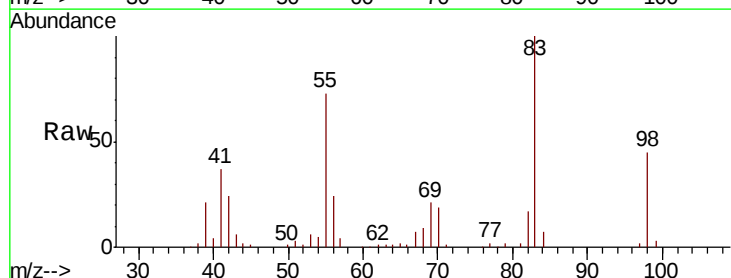
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

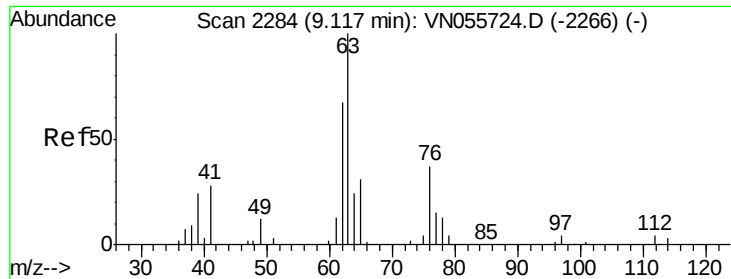
Tot Ion:130 Resp: 75225
 Ion Ratio Lower Upper
 130 100
 95 97.2 75.6 113.4



#38
 Methylcyclohexane
 Concen: 19.105 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 83 Resp: 104707
 Ion Ratio Lower Upper
 83 100
 55 73.3 37.8 113.4
 98 45.5 22.6 67.8

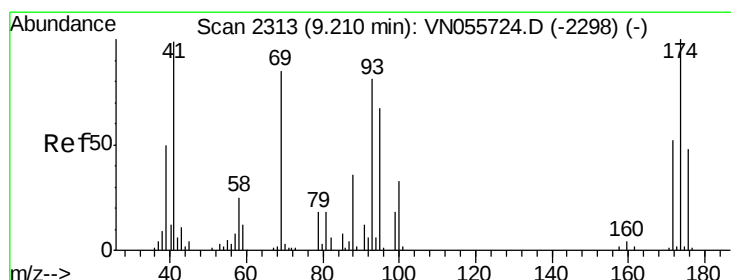
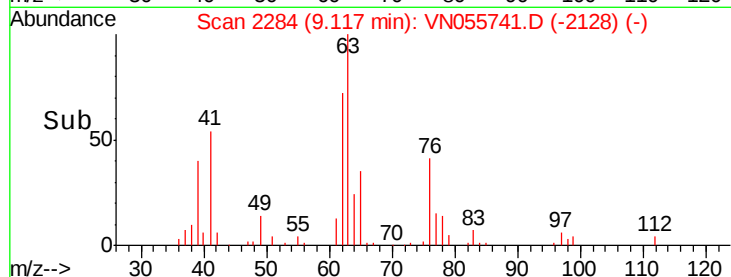
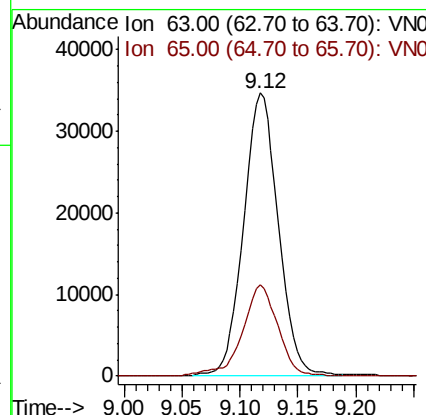
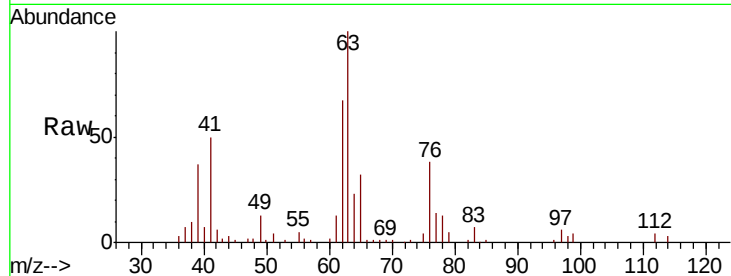




#39
 1,2-Dichloropropane
 Concen: 20.204 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

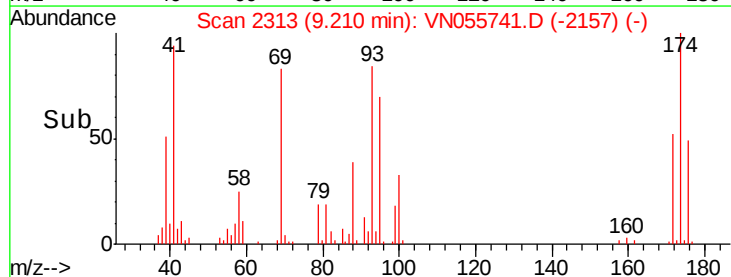
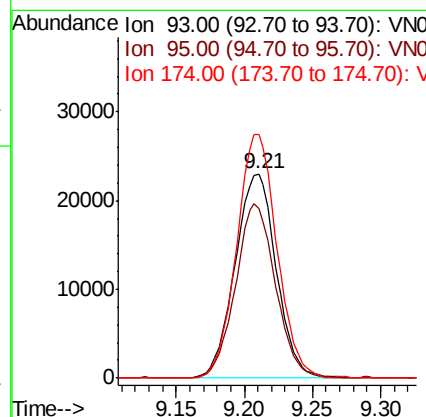
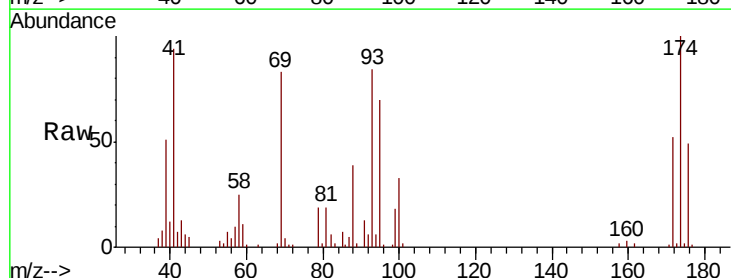
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

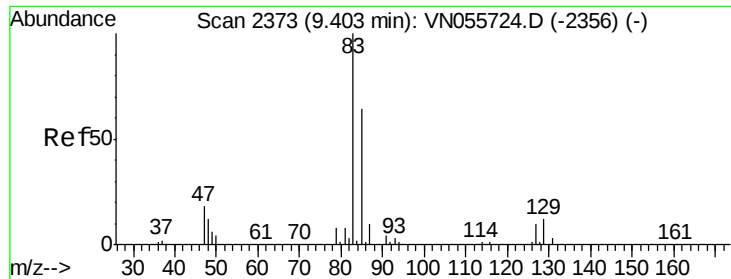
Tot Ion: 63 Resp: 72536
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.8 38.8



#40
 Dibromomethane
 Concen: 20.871 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 93 Resp: 48387
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 170.6
 174 116.1 0.0 248.4

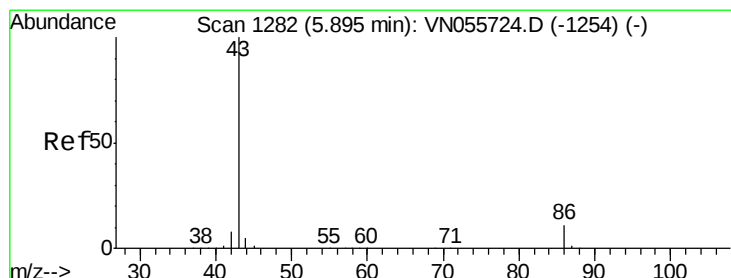
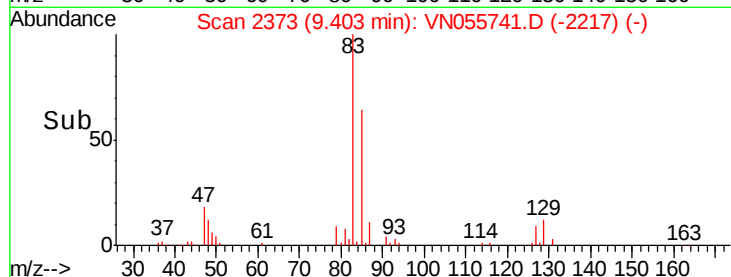
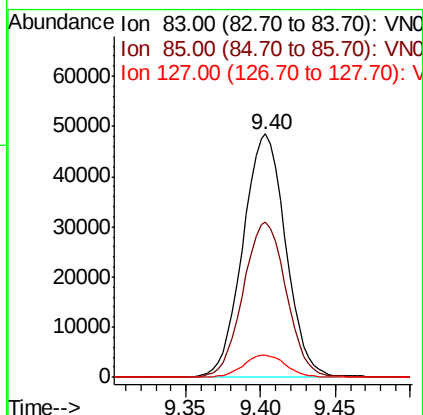
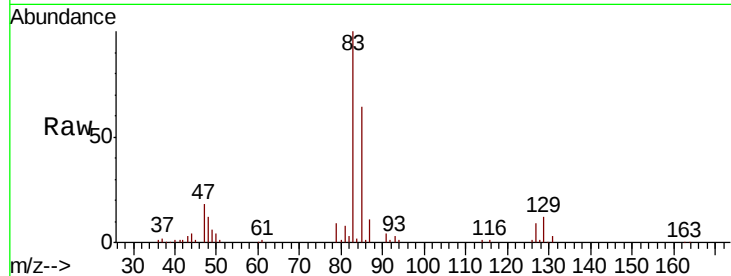




#41
 Bromodichloromethane
 Concen: 20.358 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

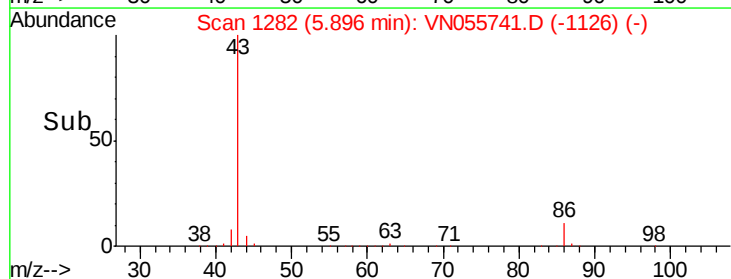
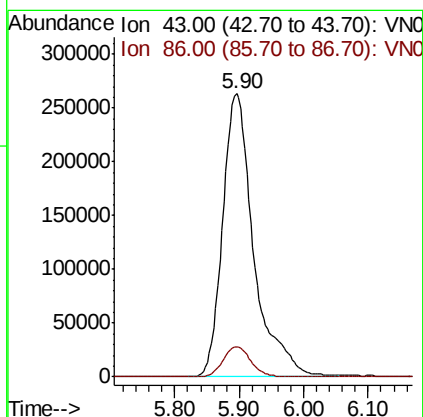
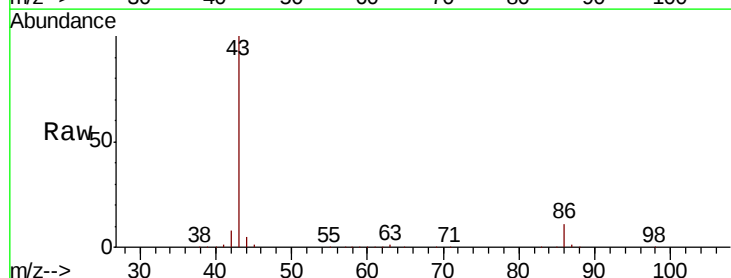
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

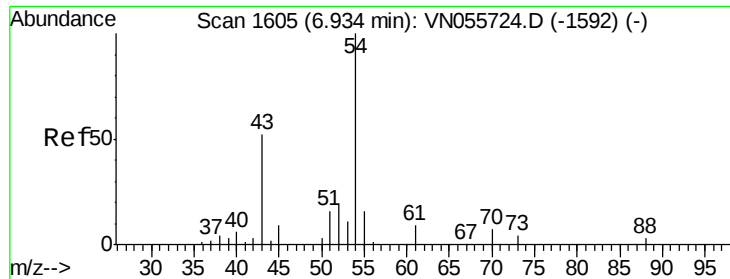
Tot Ion	83	Resp	96732
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.4	77.0
127	9.0	7.7	11.5



#42
 Vinyl Acetate
 Concen: 98.755 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion	43	Resp	884046
Ion Ratio	Lower	Upper	
43	100		
86	9.6	7.4	11.2





#43

Ethyl Acetate

Concen: 20.555 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

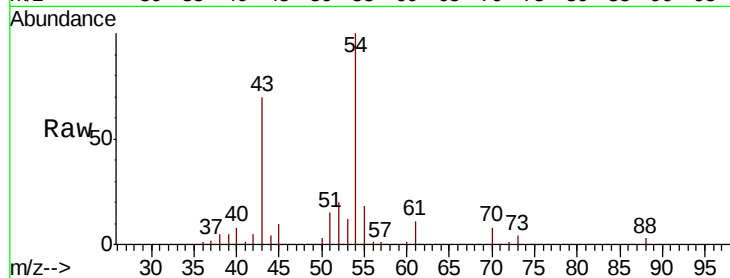
VSTDCCC020EC

Tot Ion: 43 Resp: 93158

Ion Ratio Lower Upper

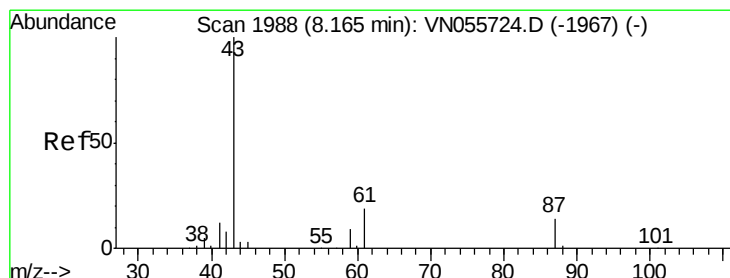
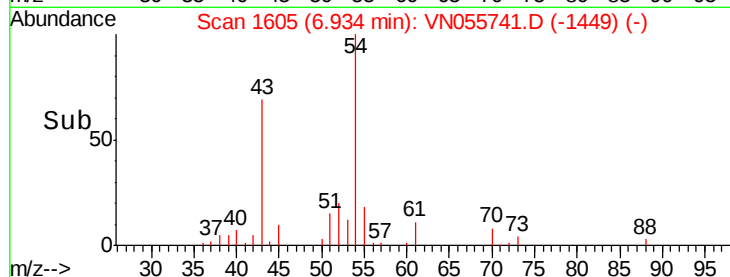
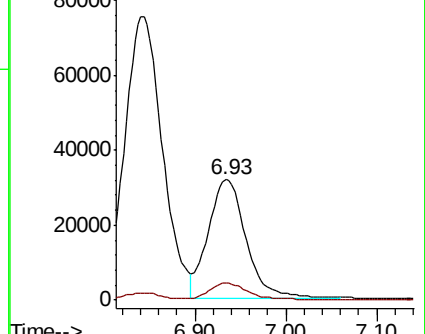
43 100

45 15.2 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: 19.563 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055741.D

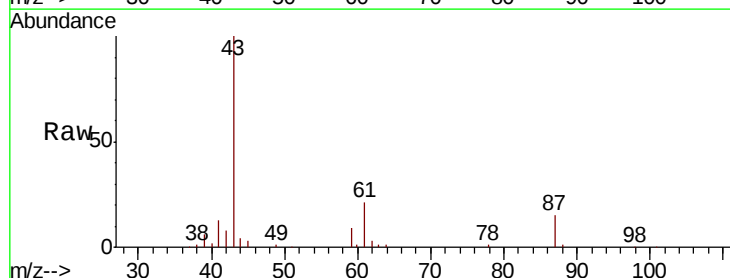
Acq: 23 May 2019 1:17

Tgt Ion: 43 Resp: 146817

Ion Ratio Lower Upper

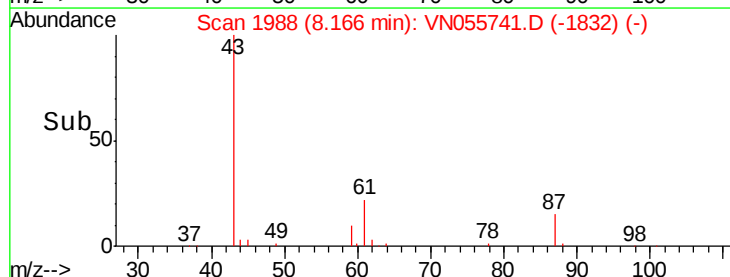
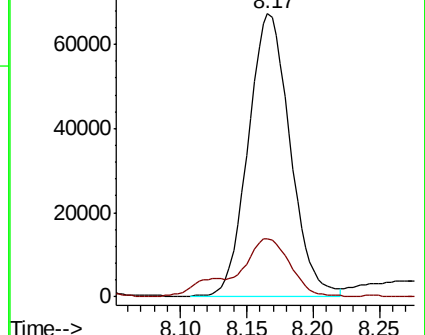
43 100

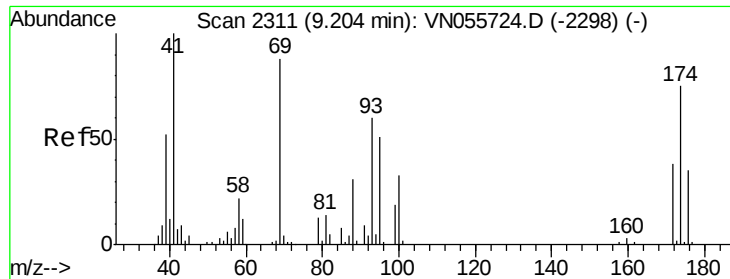
61 21.7 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 400.677 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

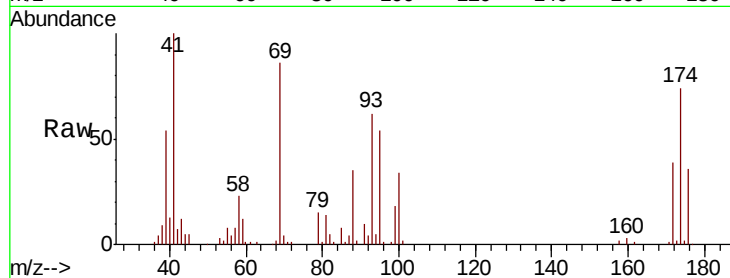
Tot Ion: 88 Resp: 28289

Ion Ratio Lower Upper

88 100

43 27.8 20.5 30.7

58 70.7 56.1 84.1

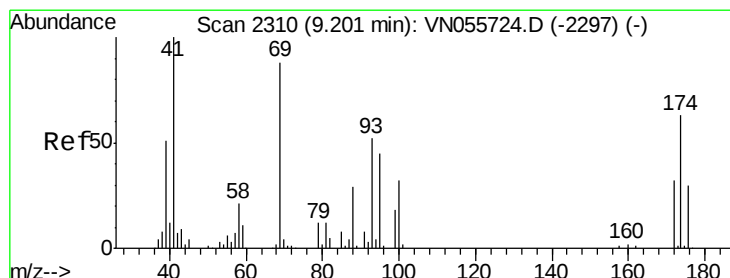
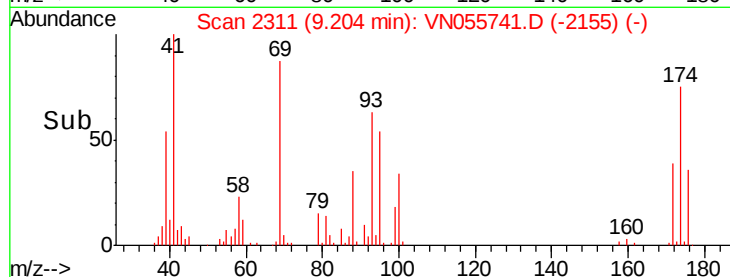
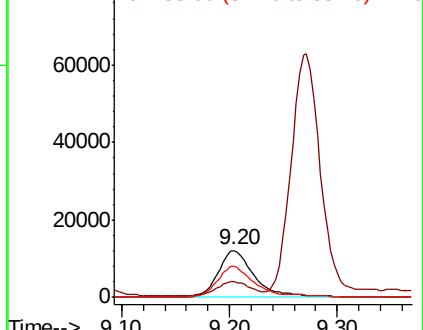


Abundance

Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#46

Methyl methacrylate

Concen: 19.330 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

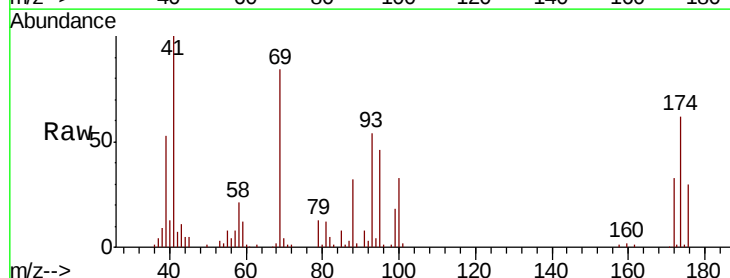
Tgt Ion: 41 Resp: 67683

Ion Ratio Lower Upper

41 100

69 85.0 43.8 131.4

39 52.8 25.6 76.6

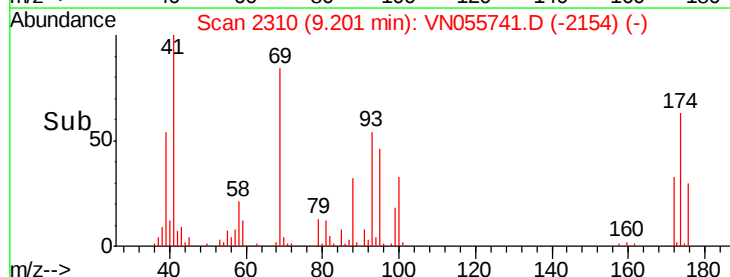
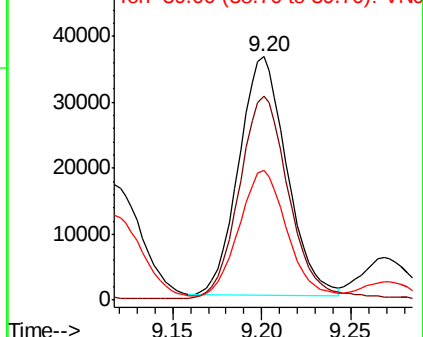


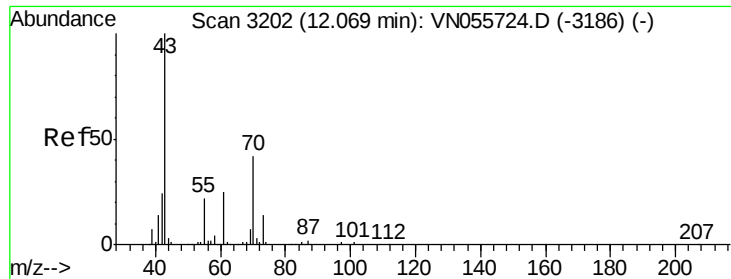
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

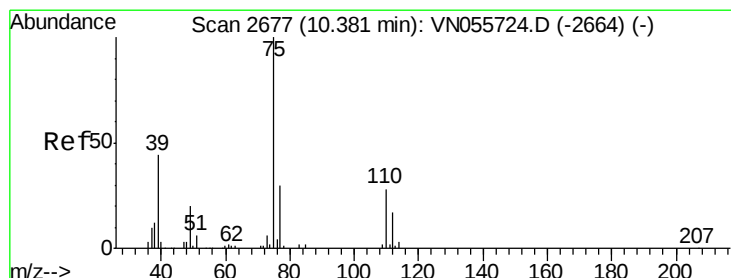
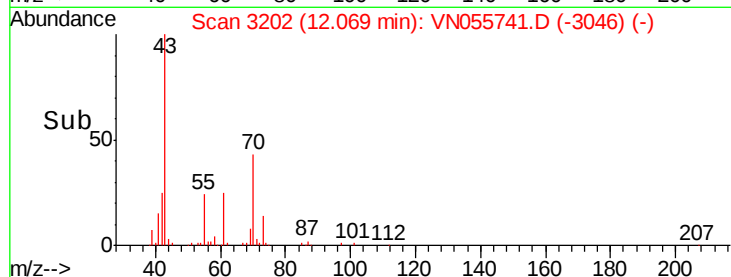
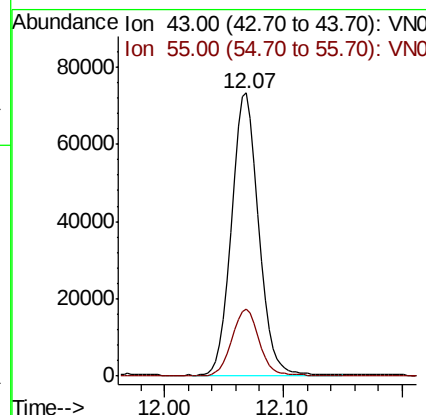
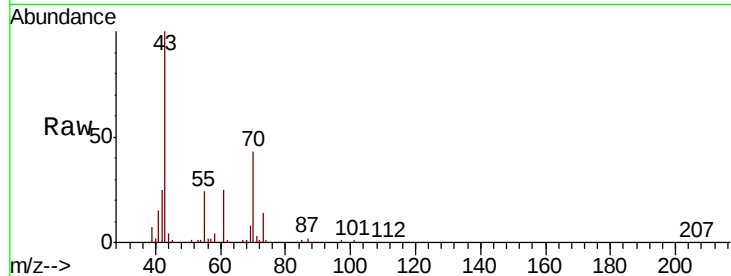




#47
n-amyl Acetate
Concen: 18.508 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

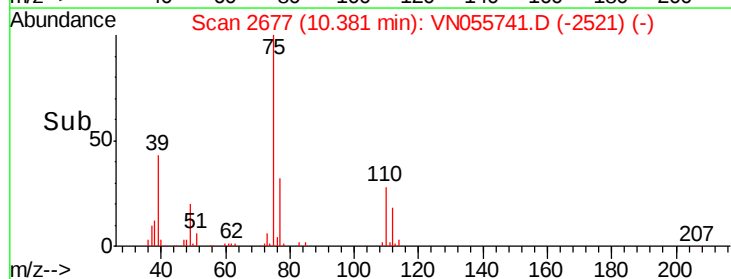
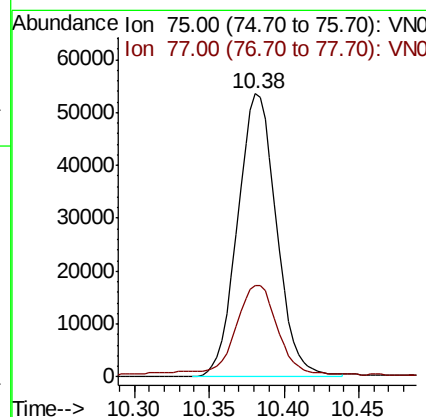
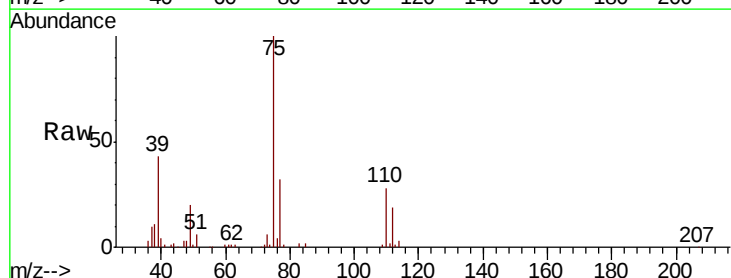
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

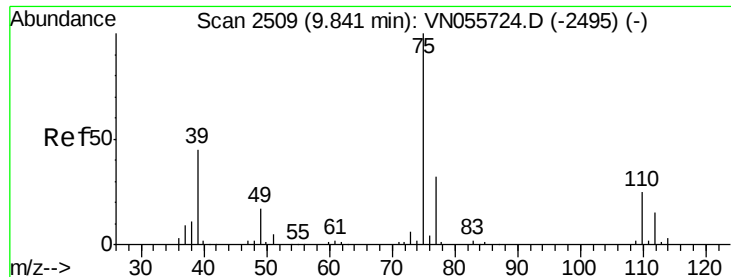
Tot Ion: 43 Resp: 114888
Ion Ratio Lower Upper
43 100
55 24.5 17.8 26.6



#48
t-1,3-Dichloropropene
Concen: 18.514 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 75 Resp: 97107
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

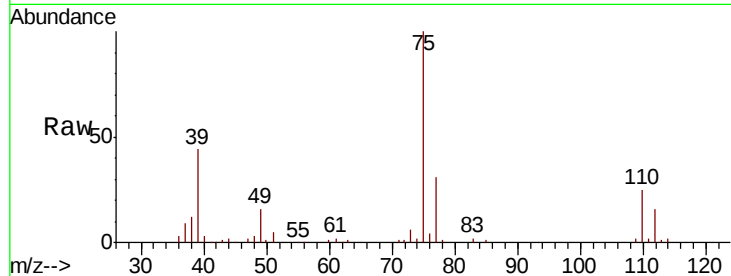




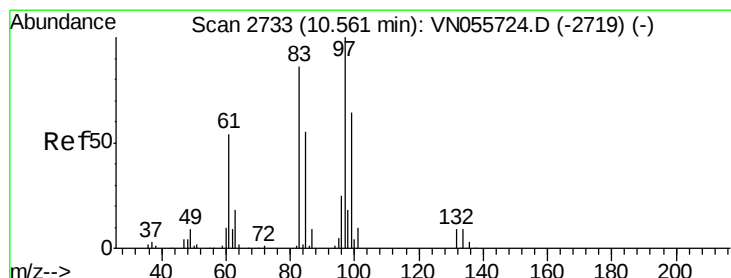
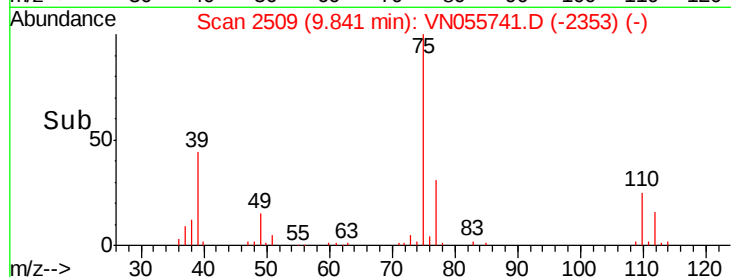
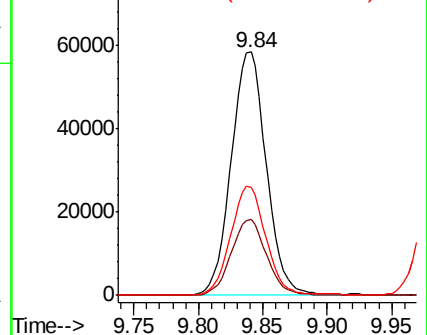
#49
 cis-1,3-Dichloropropene
 Concen: 19.204 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 110250
 Ion Ratio Lower Upper
 75 100
 77 31.0 26.0 39.0
 39 44.4 36.2 54.4

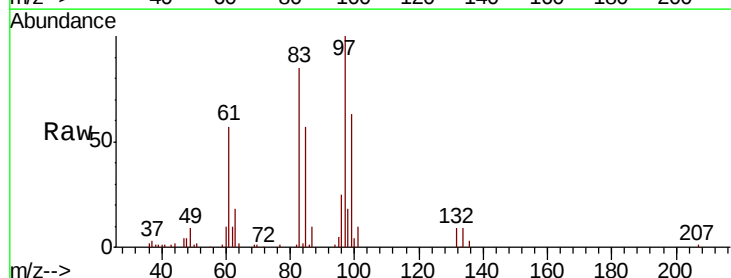


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

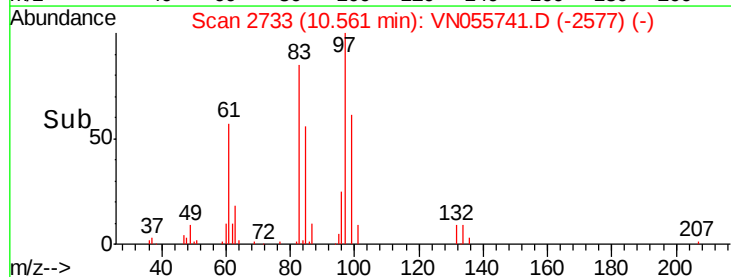
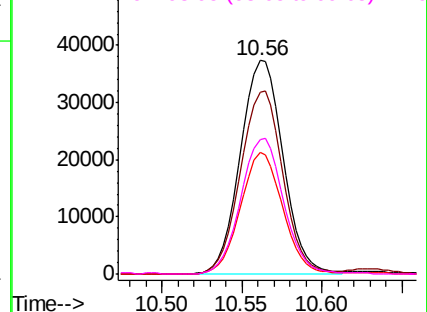


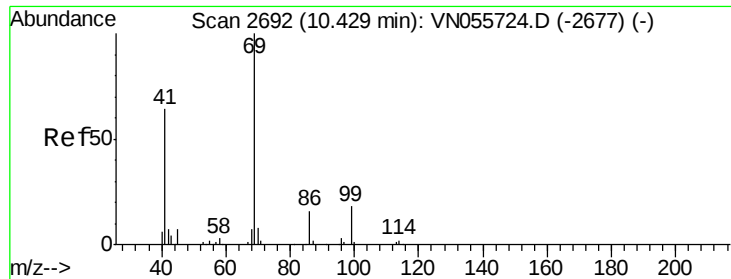
#50
 1,1,2-Trichloroethane
 Concen: 20.261 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion: 97 Resp: 68382
 Ion Ratio Lower Upper
 97 100
 83 85.1 68.9 103.3
 85 57.1 44.3 66.5
 99 63.1 51.4 77.0



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





#51

Ethyl methacrylate

Concen: 19.514 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

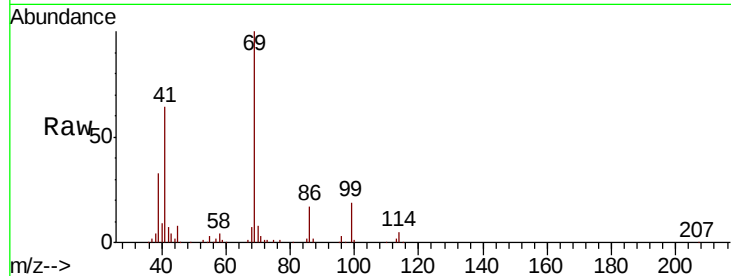
Tot Ion: 69 Resp: 106158

Ion Ratio Lower Upper

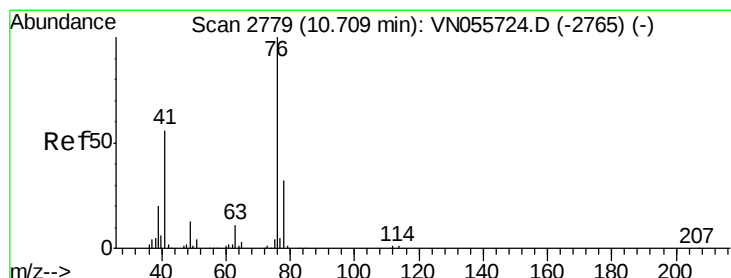
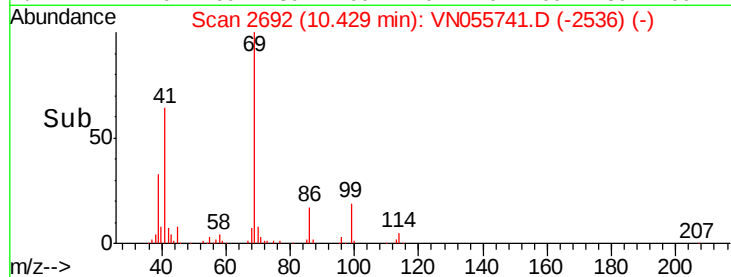
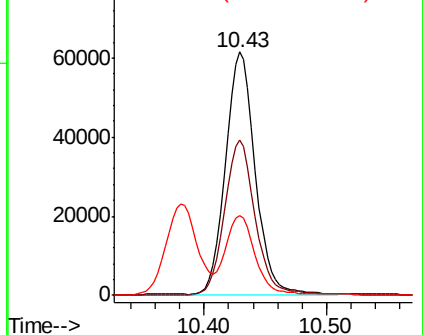
69 100

41 63.4 31.9 95.7

39 32.4 15.7 47.0



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



#52

1,3-Dichloropropane

Concen: 20.144 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055741.D

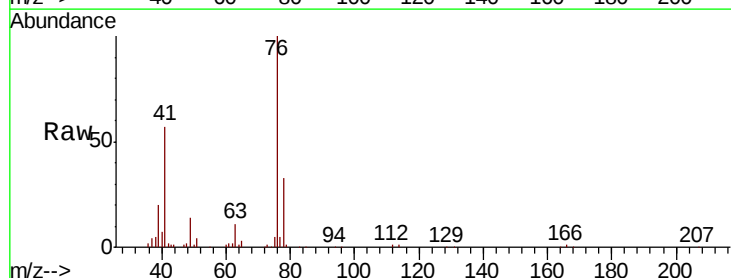
Acq: 23 May 2019 1:17

Tgt Ion: 76 Resp: 112063

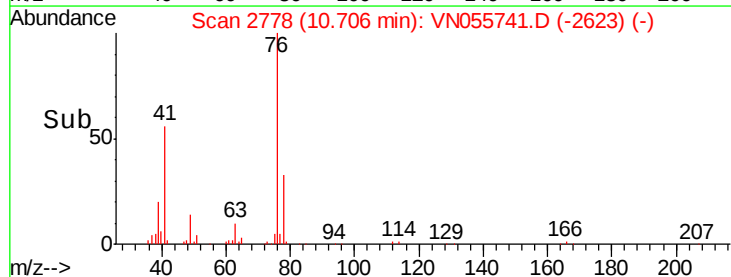
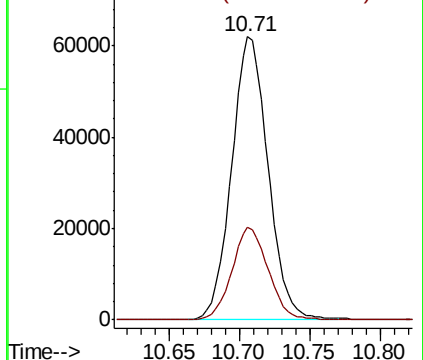
Ion Ratio Lower Upper

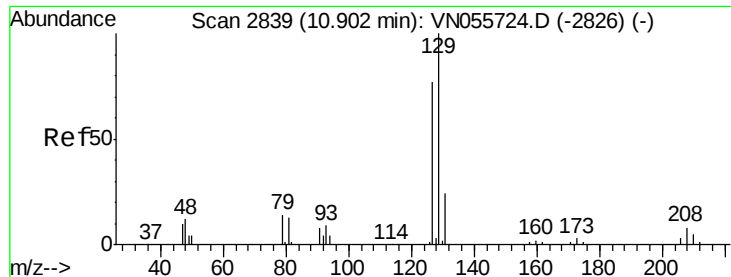
76 100

78 32.7 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

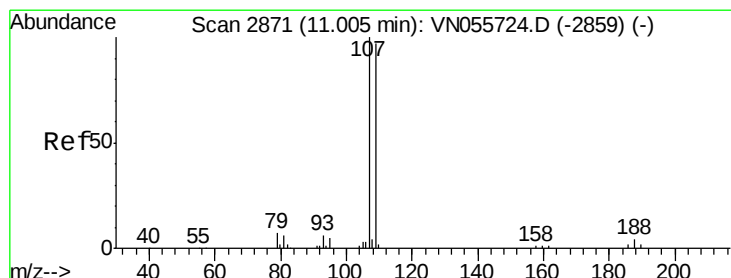
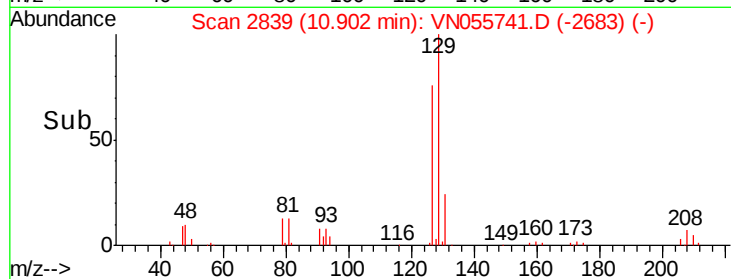
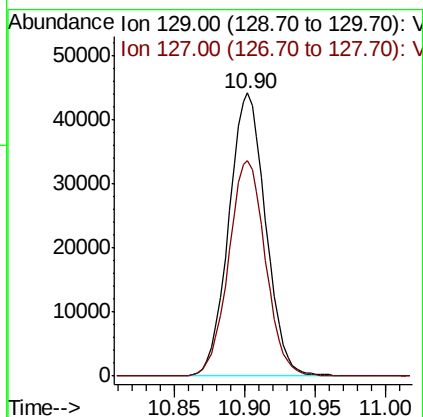
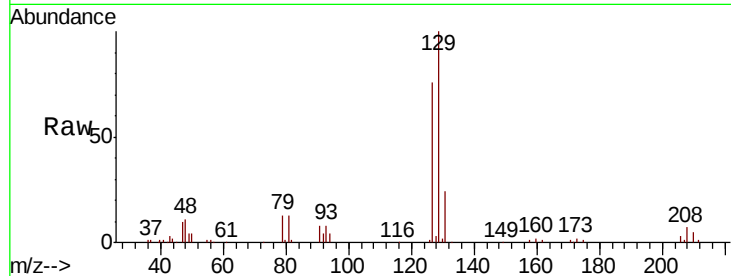




#53
 Dibromochloromethane
 Concen: 20.294 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

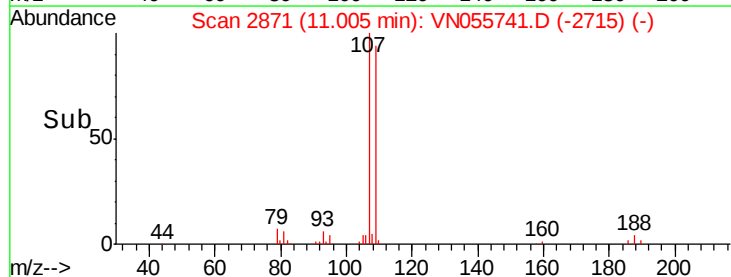
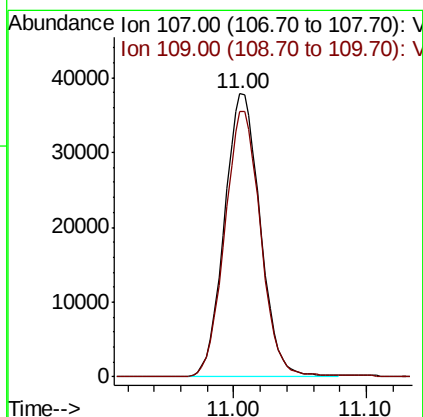
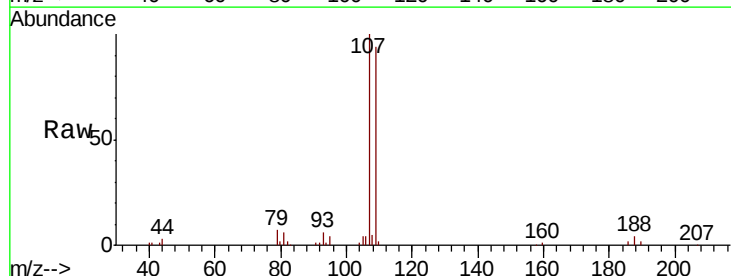
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

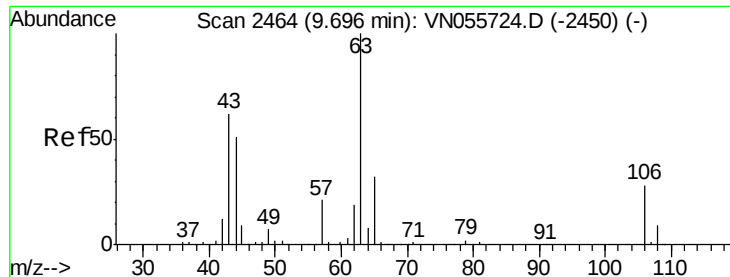
Tot Ion:129 Resp: 80911
 Ion Ratio Lower Upper
 129 100
 127 76.0 39.2 117.6



#54
 1,2-Dibromoethane
 Concen: 20.321 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion:107 Resp: 70970
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.6 115.0

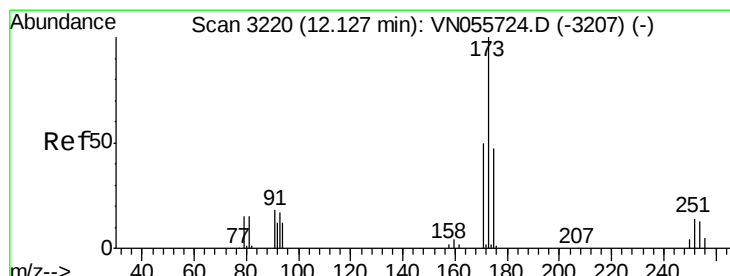
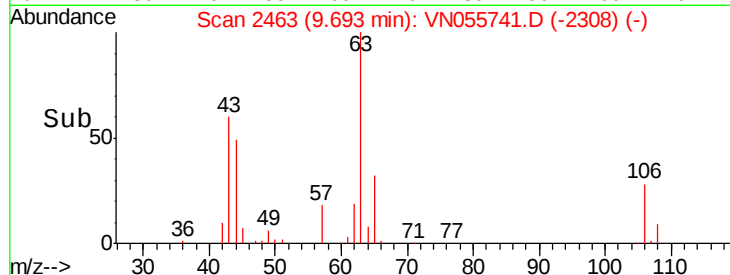
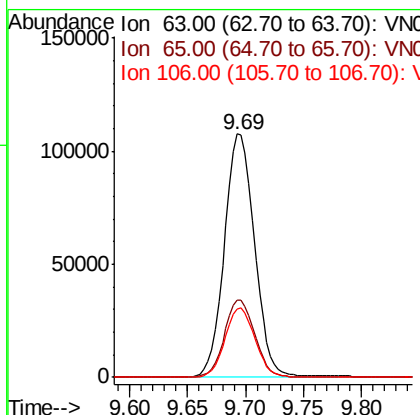
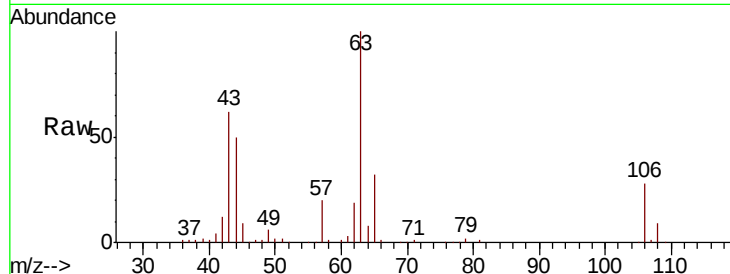




#55
2-Chloroethyl vinyl ether
Concen: 92.083 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

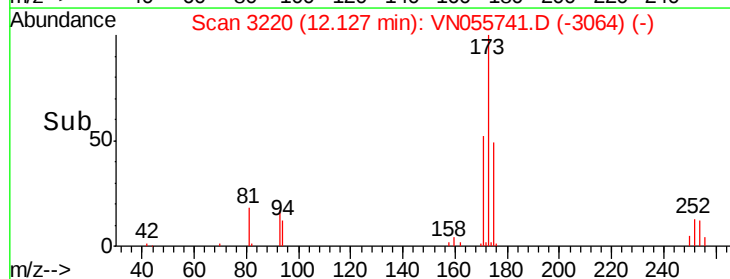
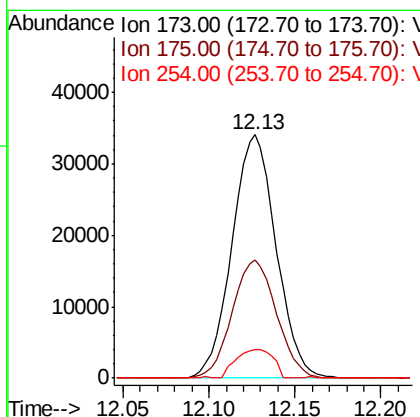
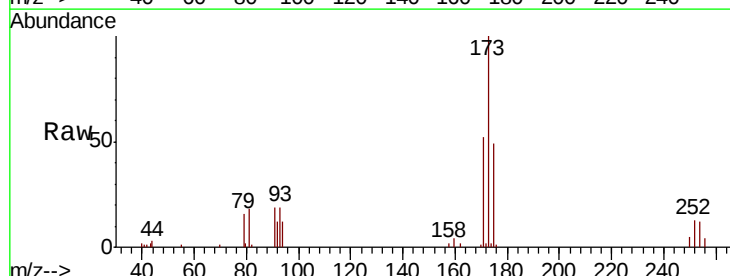
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

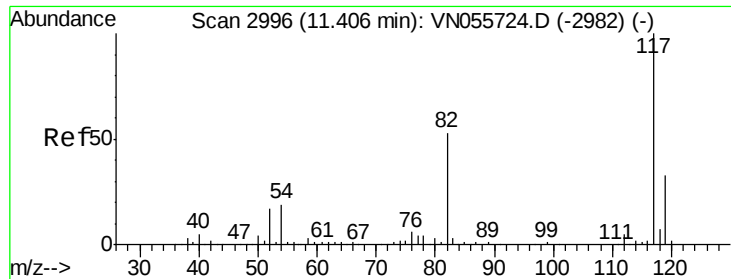
Tot Ion: 63 Resp: 194906
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 28.4 22.1 33.1



#56
Bromoform
Concen: 18.613 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 173 Resp: 60874
Ion Ratio Lower Upper
173 100
175 48.6 38.5 57.7
254 9.9 9.4 14.0

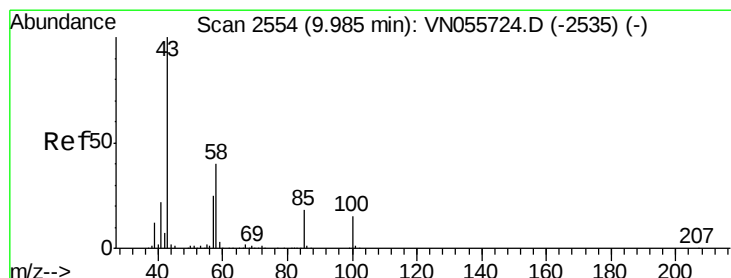
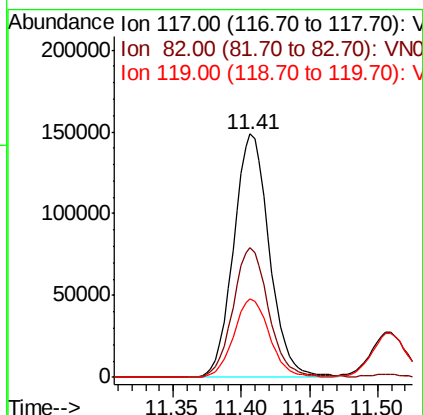
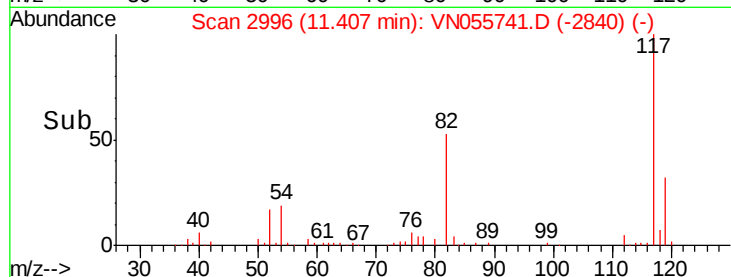
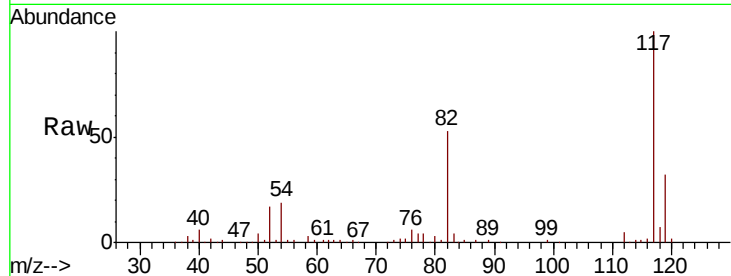




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

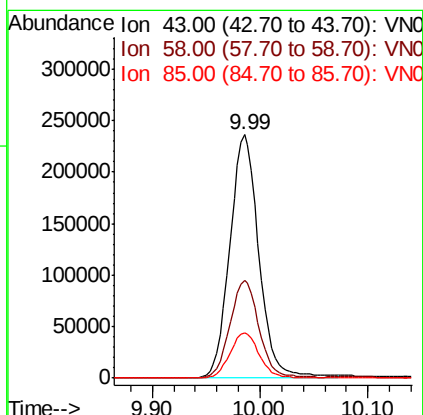
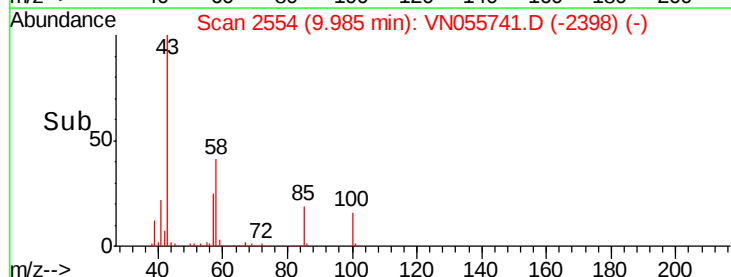
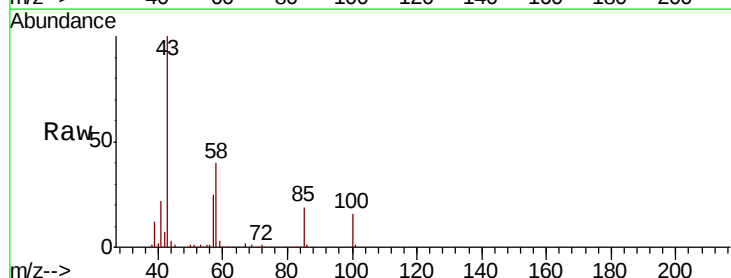
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

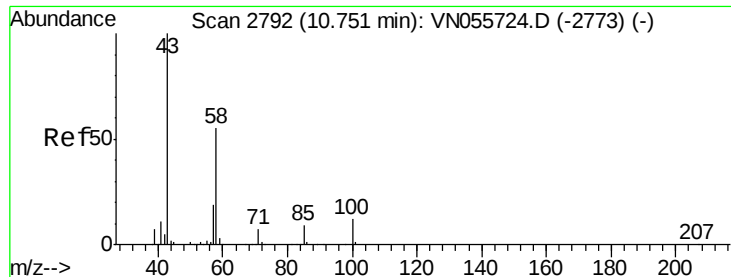
Tot Ion:117 Resp: 270948
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.3 25.9 38.9



#58
4-Methyl-2-Pentanone
Concen: 98.753 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 43 Resp: 442950
Ion Ratio Lower Upper
43 100
58 40.4 31.7 47.5
85 18.8 14.5 21.7

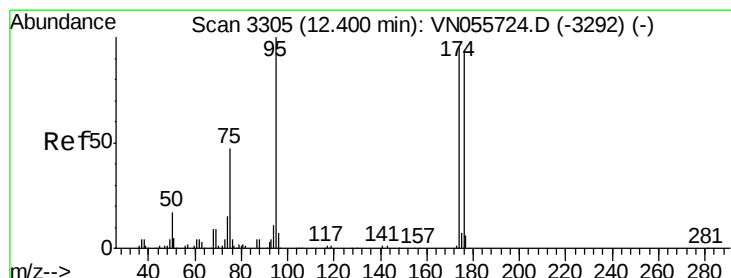
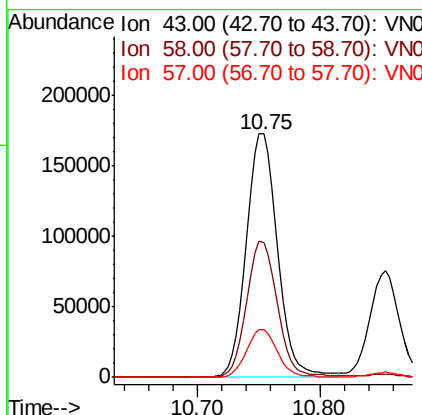
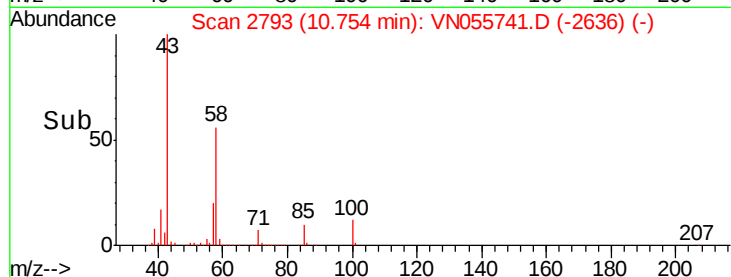
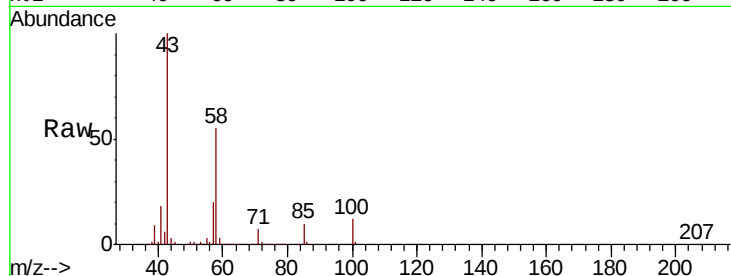




#59
2-Hexanone
Concen: 94.452 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

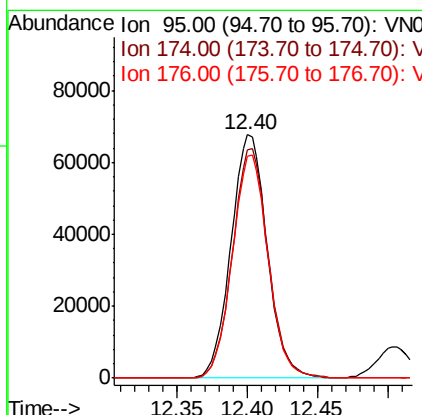
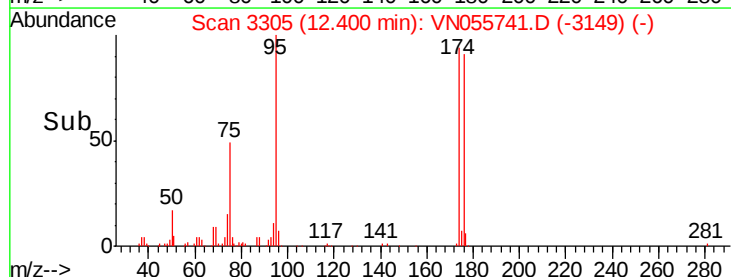
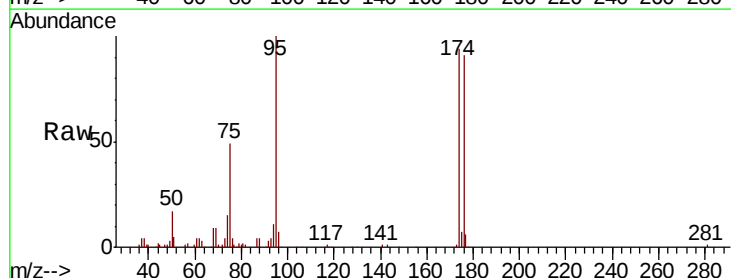
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

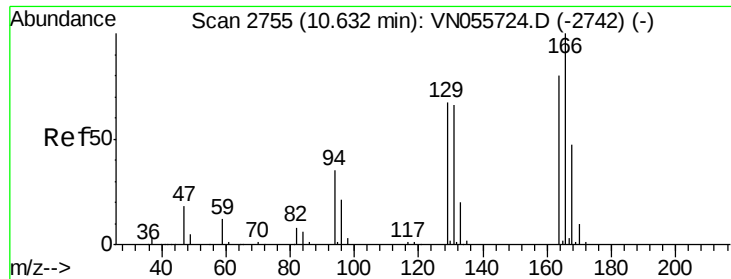
Tot Ion: 43 Resp: 302877
Ion Ratio Lower Upper
43 100
58 55.6 44.8 67.2
57 19.5 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 28.830 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 95 Resp: 121517
Ion Ratio Lower Upper
95 100
174 93.3 75.7 113.5
176 90.8 74.1 111.1

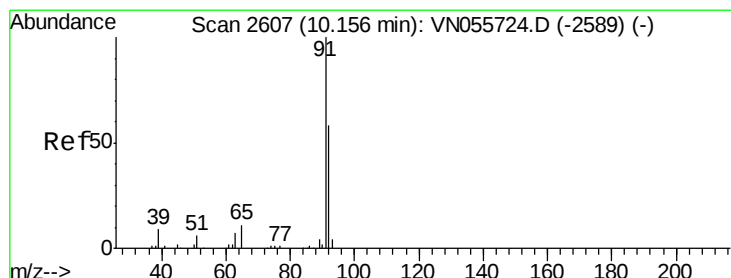
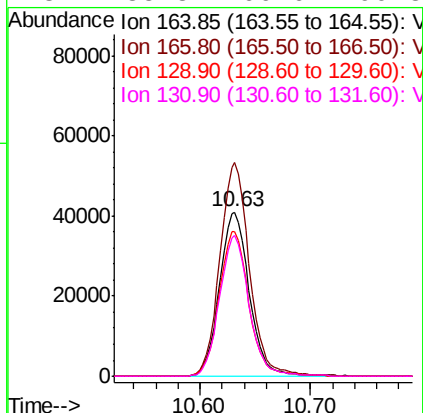
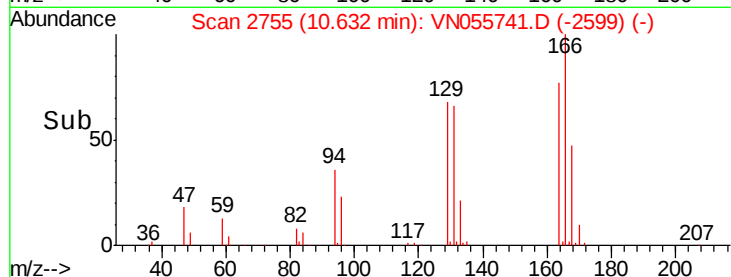
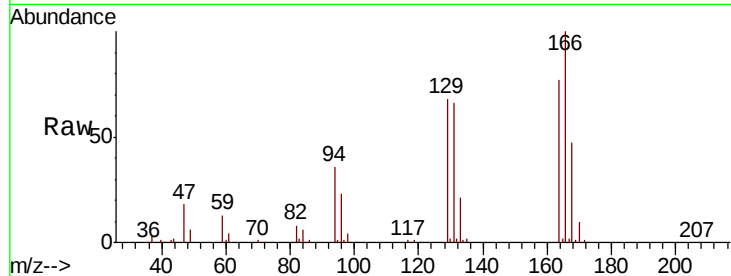




#61
Tetrachloroethene
Concen: 20.910 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

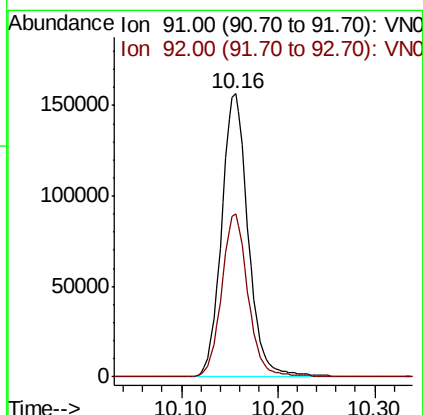
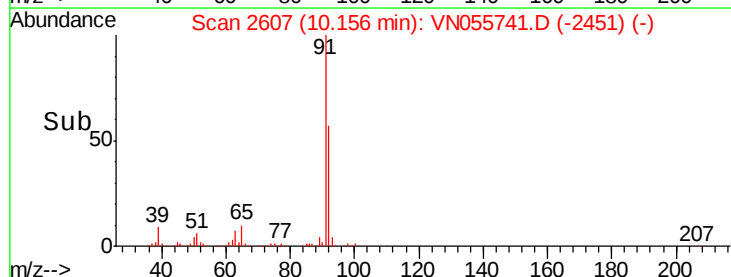
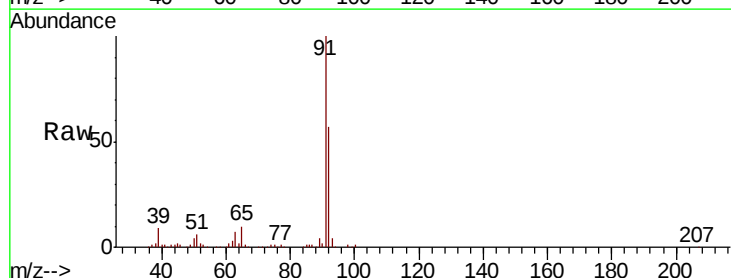
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

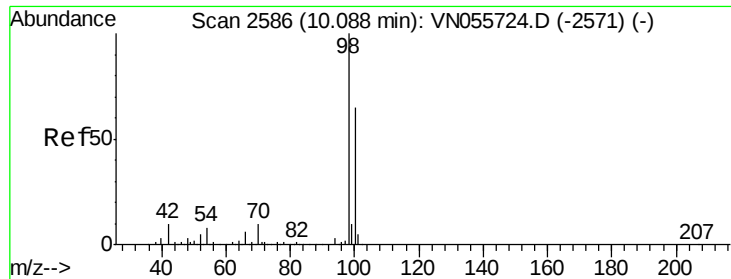
Tot Ion	Ratio	Lower	Upper
164	100		
166	129.9	100.6	150.8
129	88.3	67.4	101.2
131	85.8	66.6	99.8



#62
Toluene
Concen: 20.546 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	45.6	68.4





#63

Toluene-d8

Concen: 30.189 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

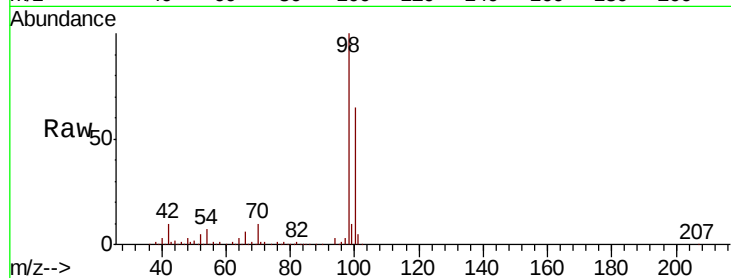
VSTDCCC020EC

Tot Ion: 98 Resp: 373808

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-2571) (-)

10.09

200000

150000

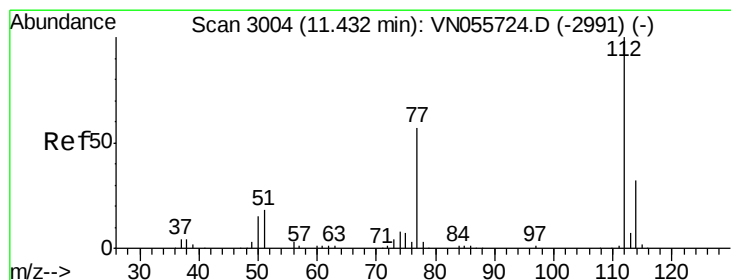
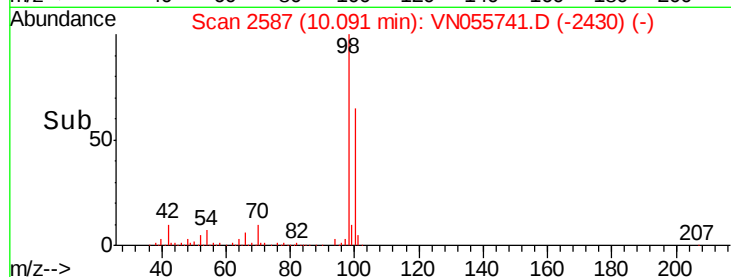
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 20.228 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055741.D

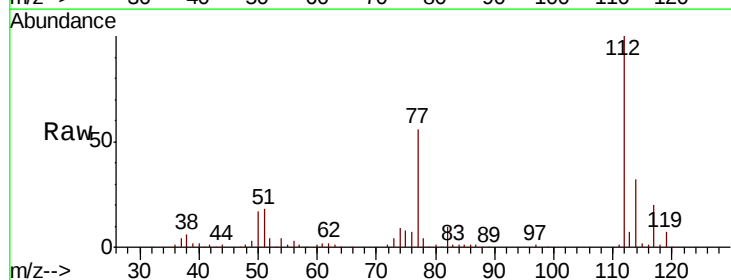
Acq: 23 May 2019 1:17

Tgt Ion: 112 Resp: 178785

Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): VN055724.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN055724.D (-2991) (-)

11.43

100000

80000

60000

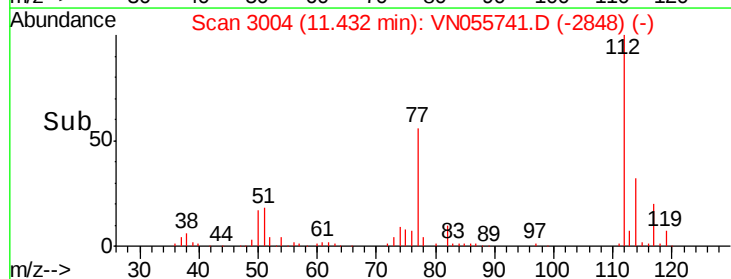
40000

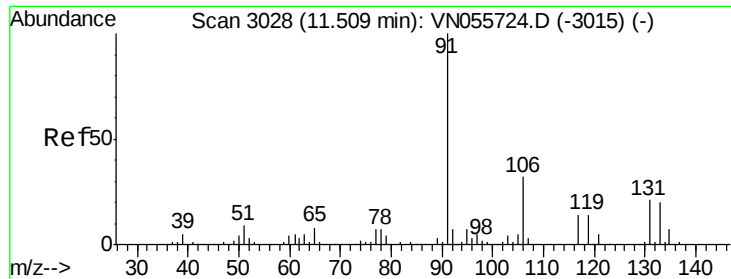
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.419 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

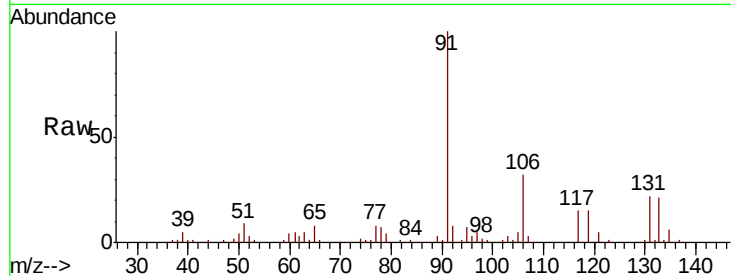
Tot Ion:131 Resp: 72715

Ion Ratio Lower Upper

131 100

133 95.4 0.0 188.8

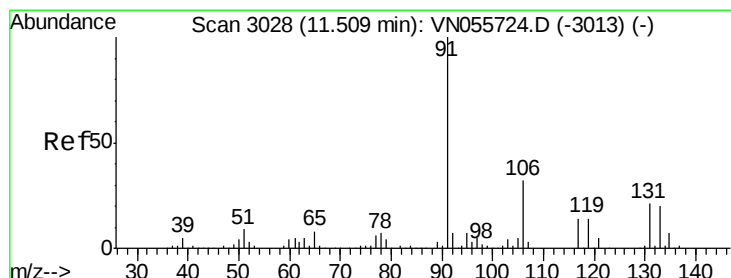
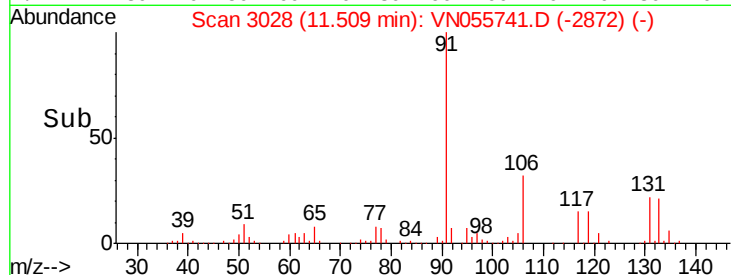
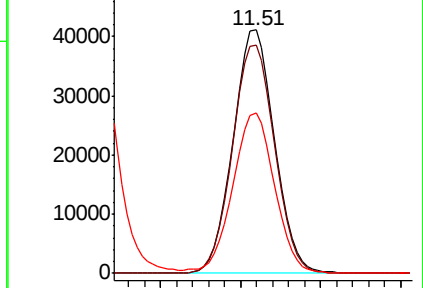
119 66.5 0.0 133.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.129 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055741.D

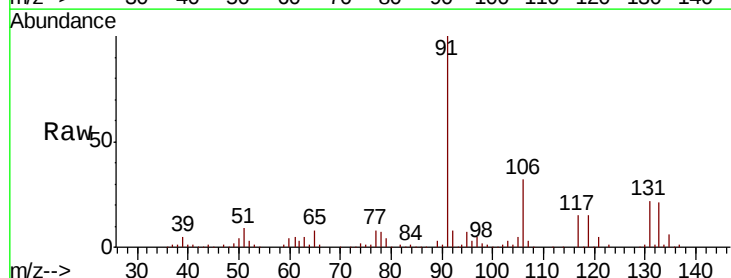
Acq: 23 May 2019 1:17

Tgt Ion: 91 Resp: 320449

Ion Ratio Lower Upper

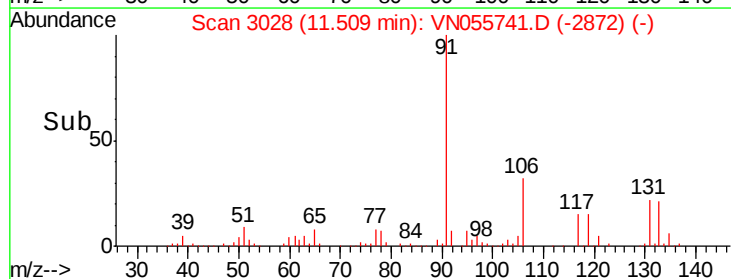
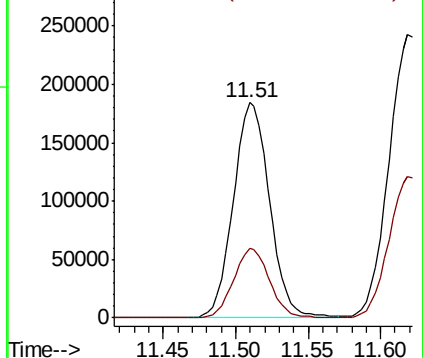
91 100

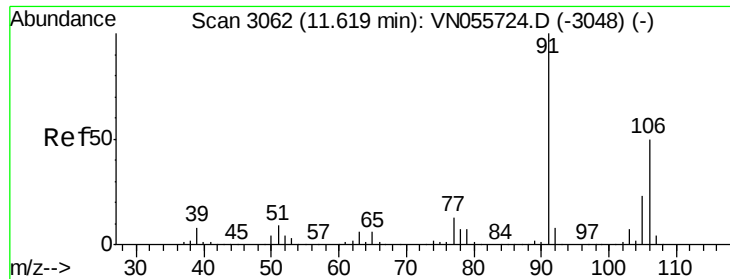
106 32.2 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

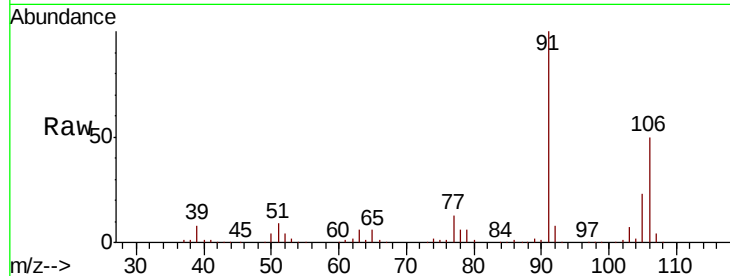




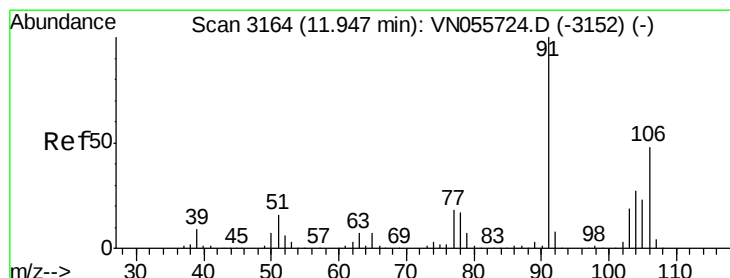
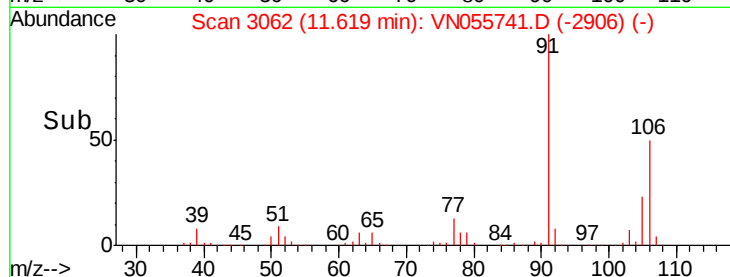
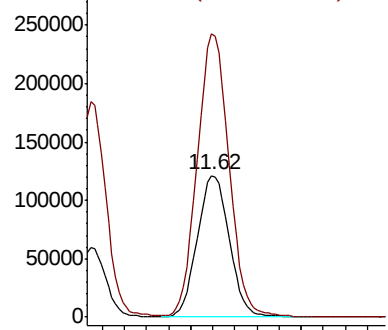
#67
m/p-Xylenes
Concen: 40.502 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 244940
Ion Ratio Lower Upper
106 100
91 198.6 159.5 239.3

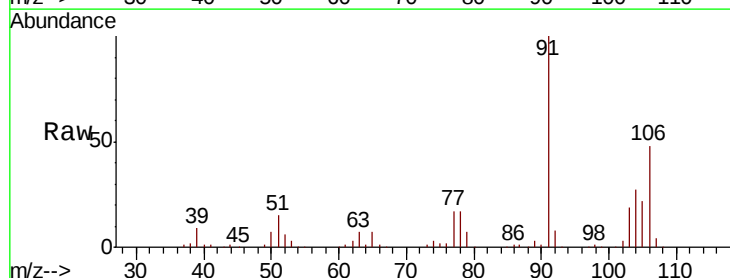


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

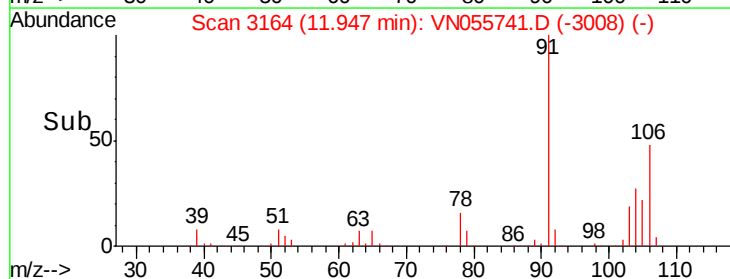
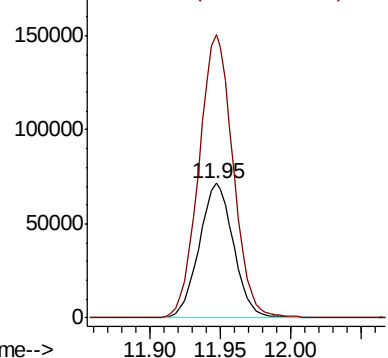


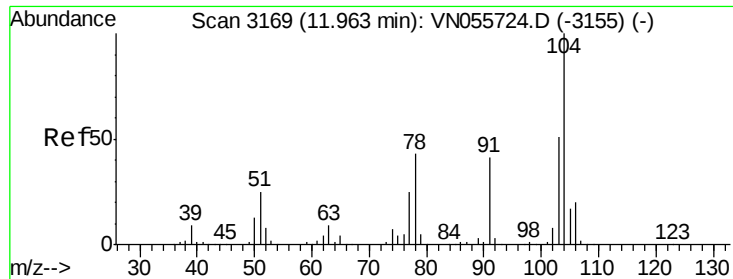
#68
o-Xylene
Concen: 20.366 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion:106 Resp: 121880
Ion Ratio Lower Upper
106 100
91 209.2 105.4 316.1



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

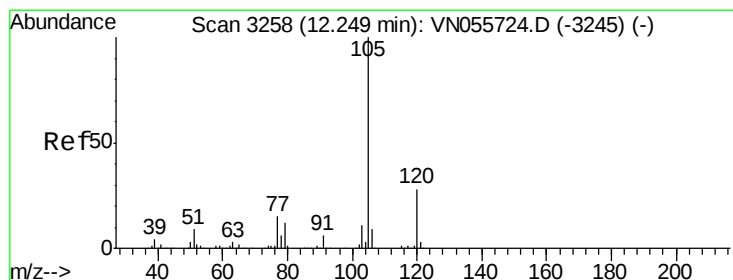
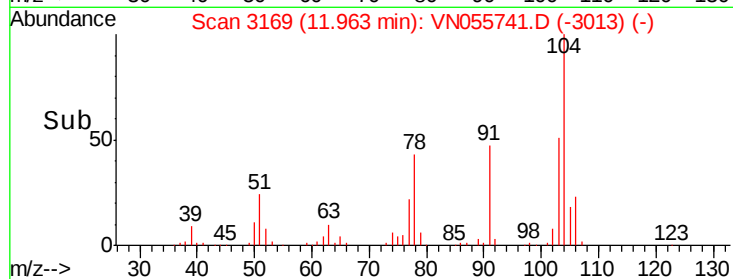
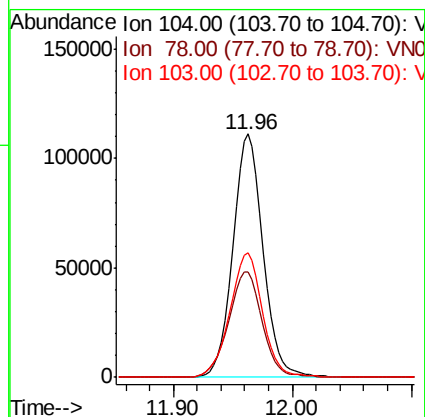
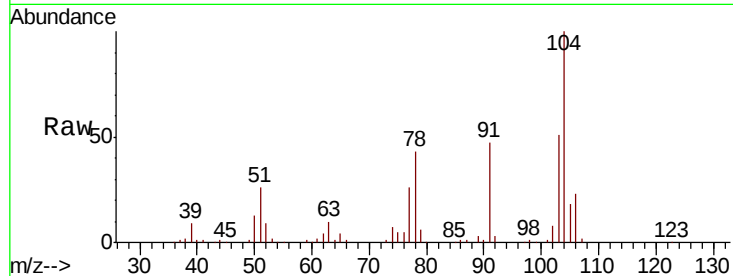




#69
Stvrene
Concen: 19.749 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

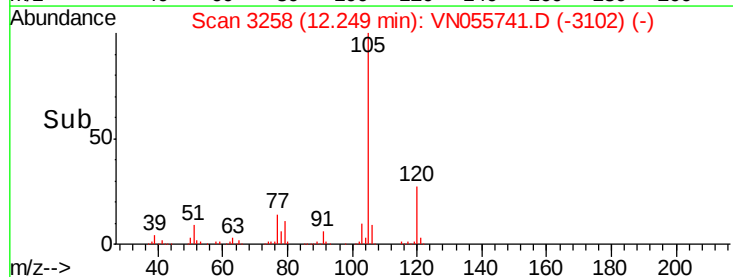
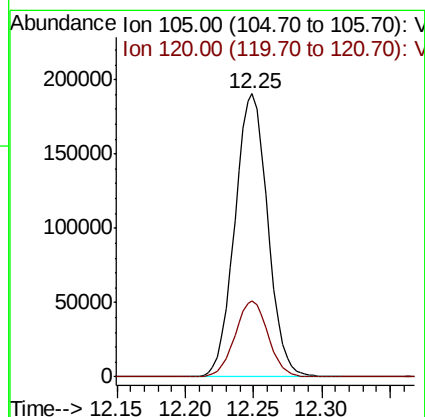
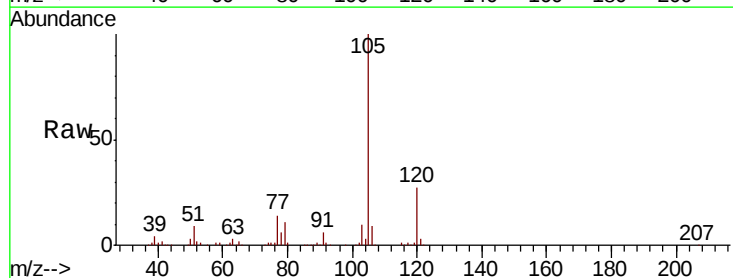
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

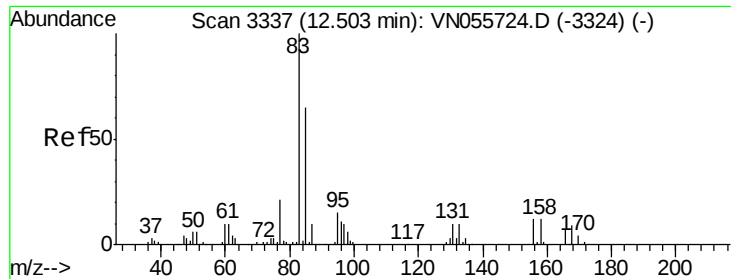
Tot Ion:104 Resp: 194987
Ion Ratio Lower Upper
104 100
78 48.4 38.7 58.1
103 55.5 45.0 67.6



#70
Isopropylbenzene
Concen: 20.381 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion:105 Resp: 319126
Ion Ratio Lower Upper
105 100
120 26.9 19.2 35.6

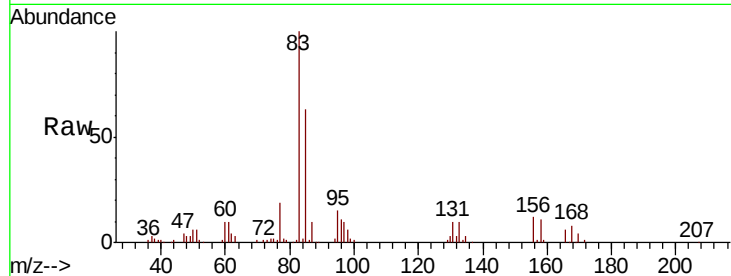




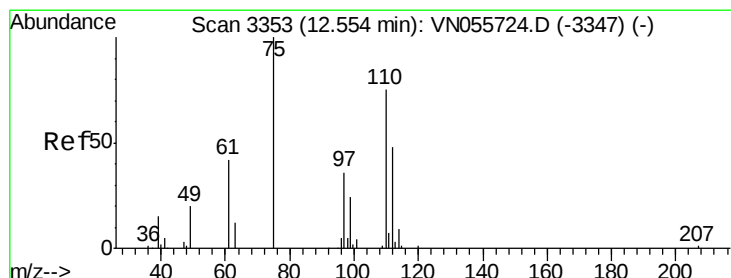
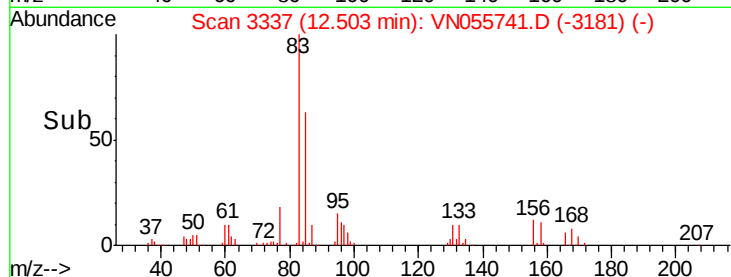
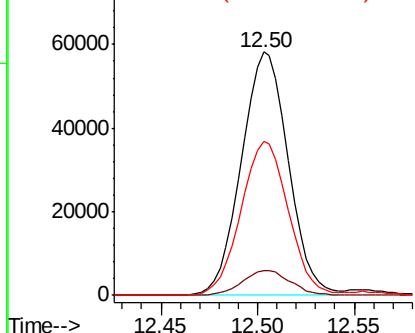
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.417 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	98387
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	64.3	32.3	96.9

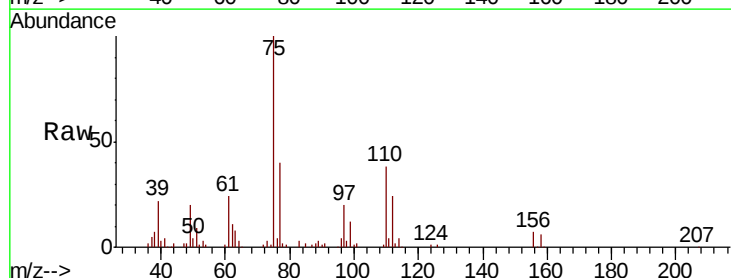


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

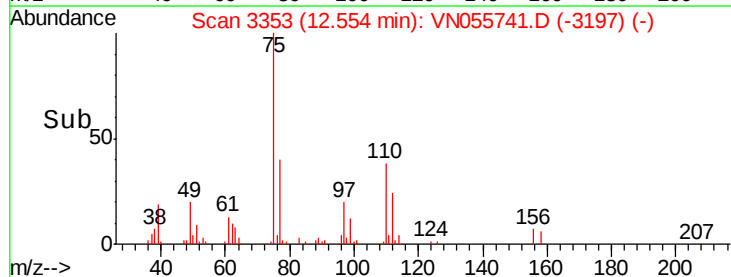
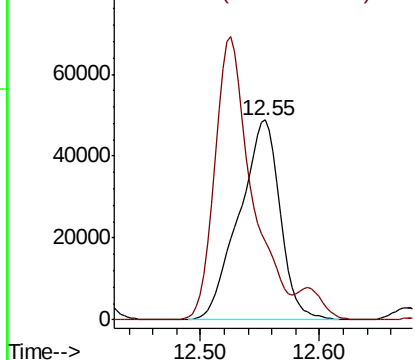


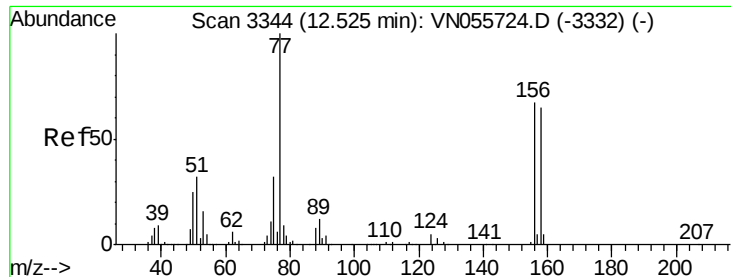
#72
 1,2,3-Trichloropropane
 Concen: 28.098 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion	75	Resp	116533
Ion Ratio	Lower	Upper	
75	100		
77	127.8	0.0	349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.707 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

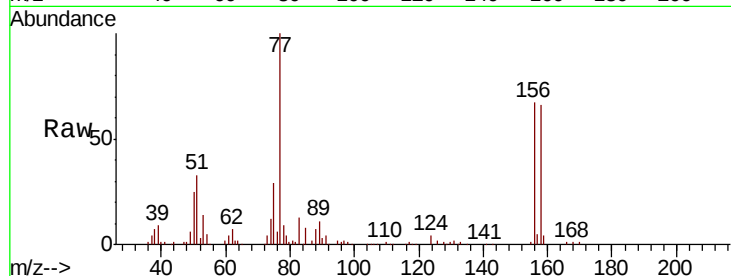
Tot Ion:156 Resp: 81636

Ion Ratio Lower Upper

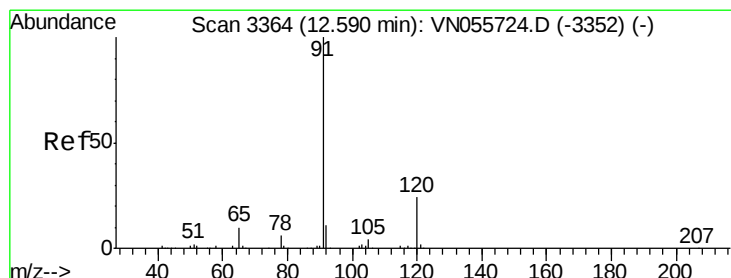
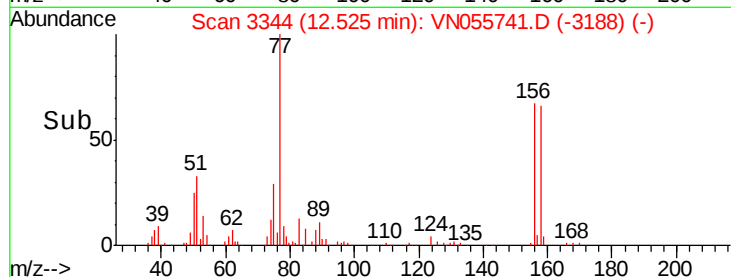
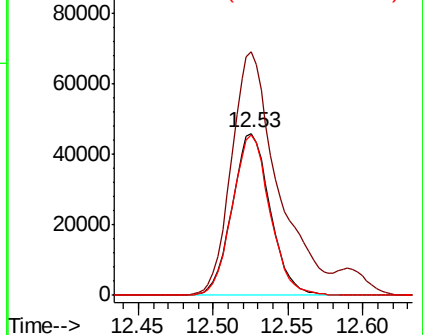
156 100

77 182.4 0.0 368.0

158 97.6 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.577 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055741.D

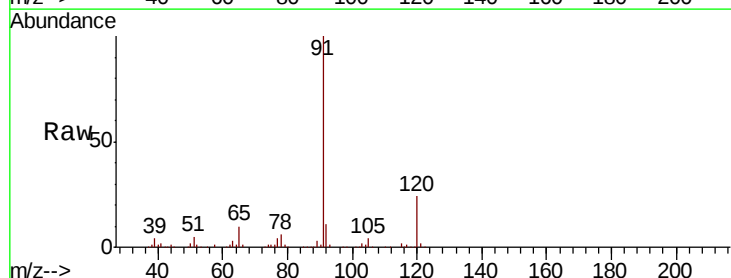
Acq: 23 May 2019 1:17

Tgt Ion: 91 Resp: 330611

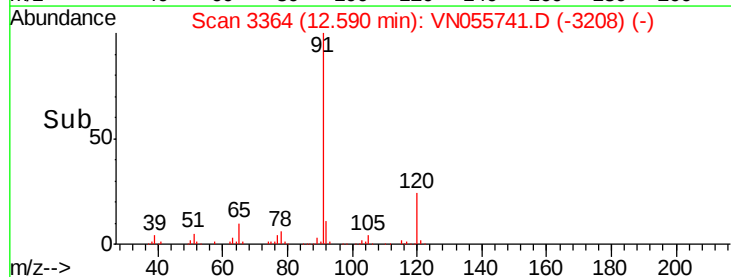
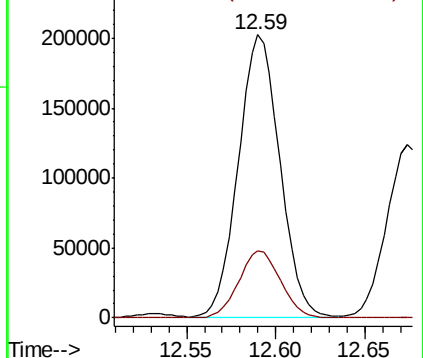
Ion Ratio Lower Upper

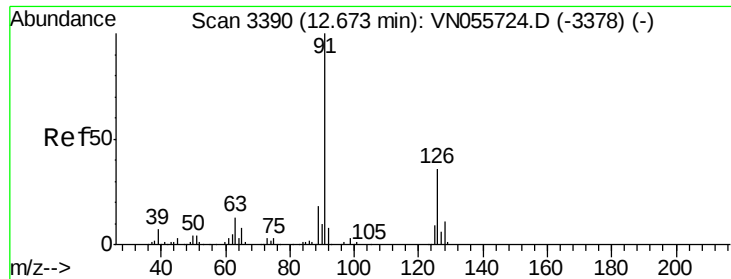
91 100

120 24.0 0.0 47.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.153 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

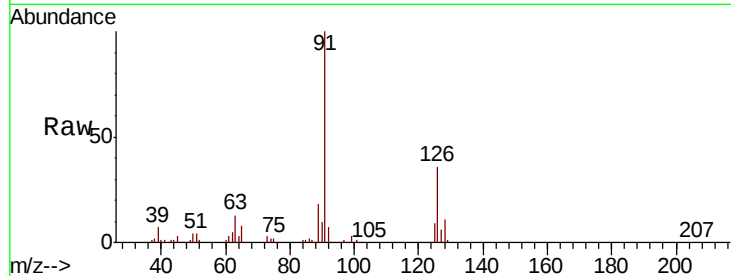
VSTDCCC020EC

Tot Ion: 91 Resp: 207891

Ion Ratio Lower Upper

91 100

126 35.6 0.0 71.0



Abundance Ion 91.00 (90.70 to 91.70): VN055724.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055724.D (-3378) (-)

200000

150000

100000

50000

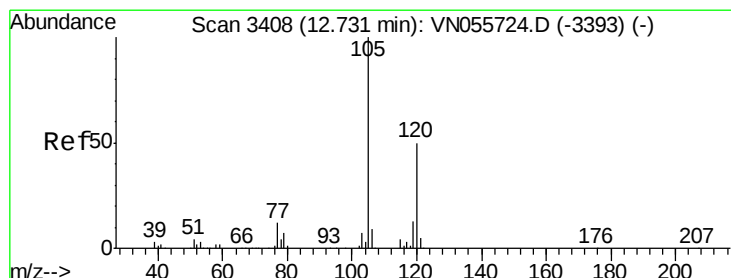
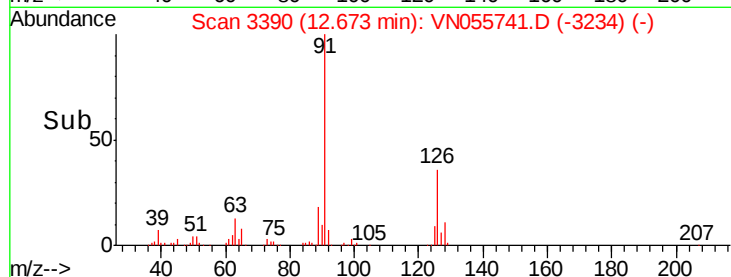
0

12.67

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.122 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055741.D

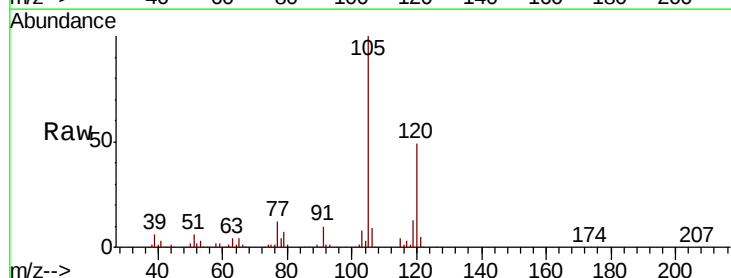
Acq: 23 May 2019 1:17

Tgt Ion: 105 Resp: 260428

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.2



Abundance Ion 105.00 (104.70 to 105.70): VN055724.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055724.D (-3393) (-)

150000

100000

50000

0

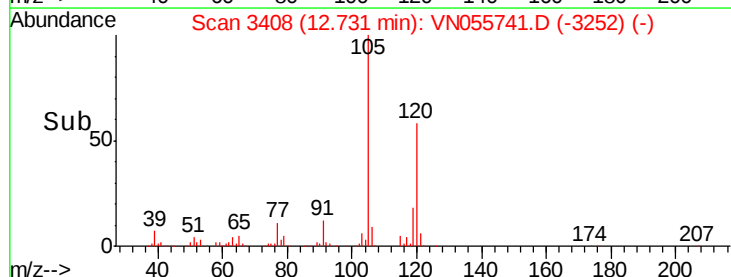
12.73

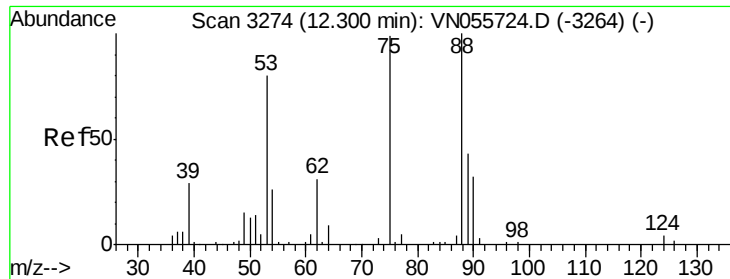
12.70

12.75

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.970 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

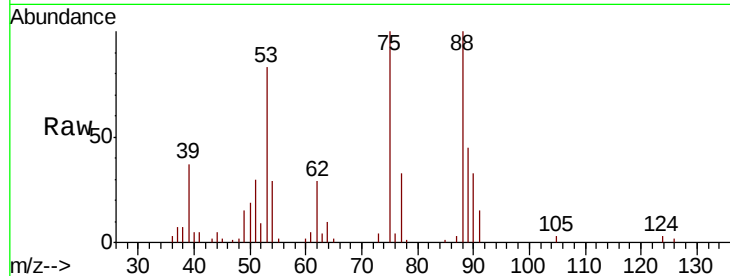
Tot Ion: 75 Resp: 27956

Ion Ratio Lower Upper

75 100

53 83.3 40.1 120.3

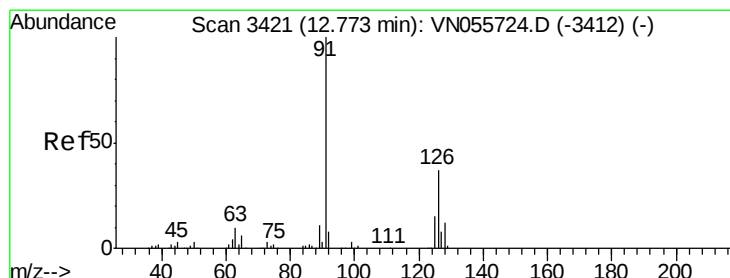
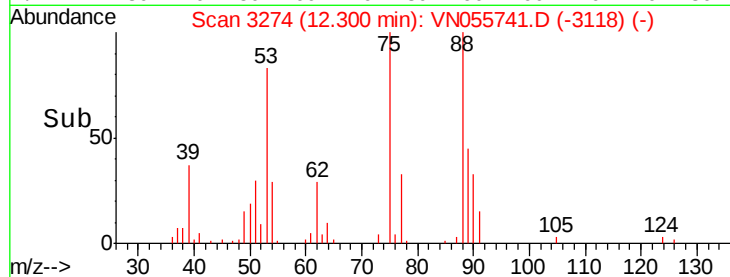
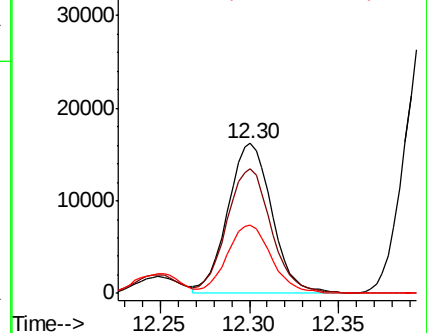
89 45.6 22.6 67.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.465 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055741.D

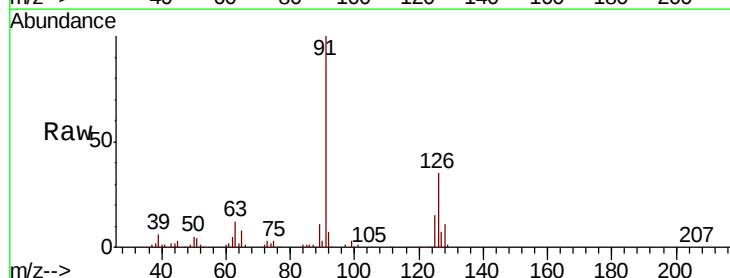
Acq: 23 May 2019 1:17

Tgt Ion: 91 Resp: 190301

Ion Ratio Lower Upper

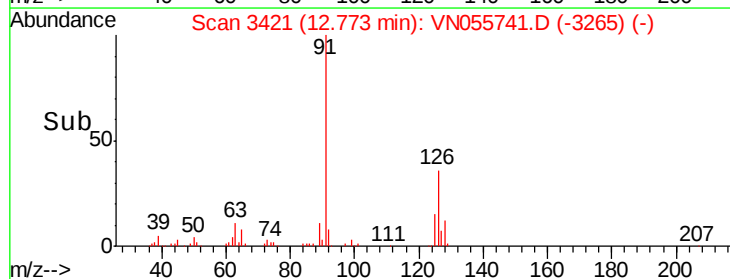
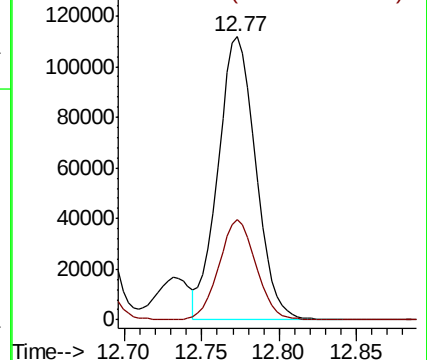
91 100

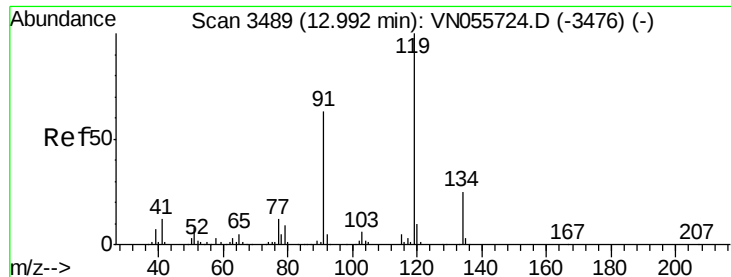
126 34.8 0.0 69.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

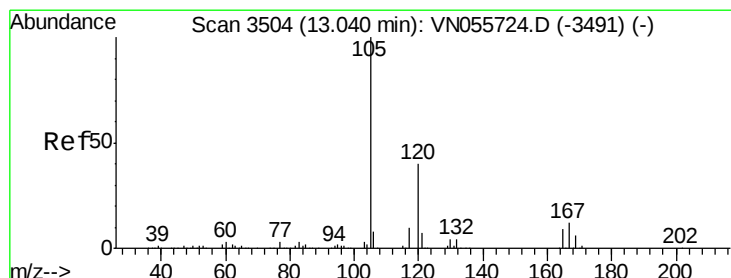
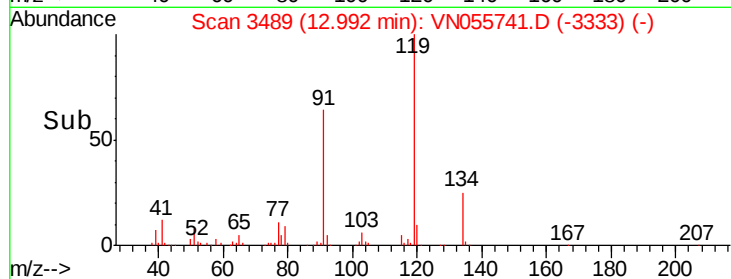
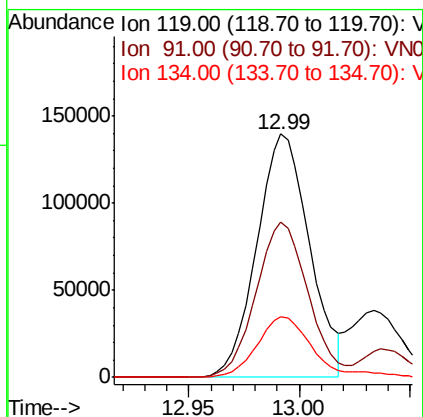
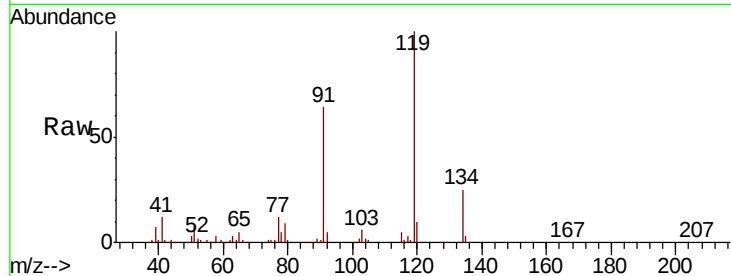




#79
tert-butylbenzene
Concen: 20.368 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

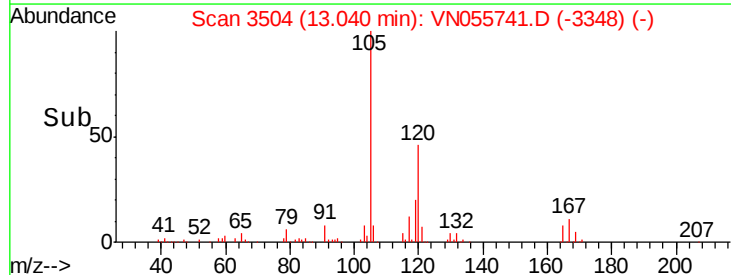
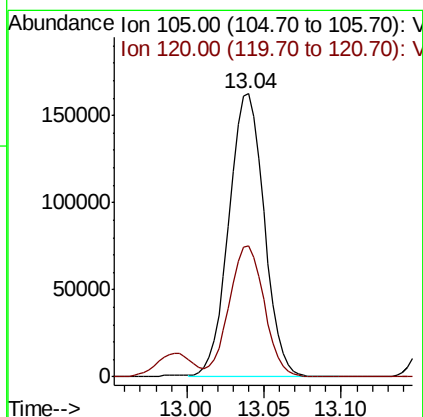
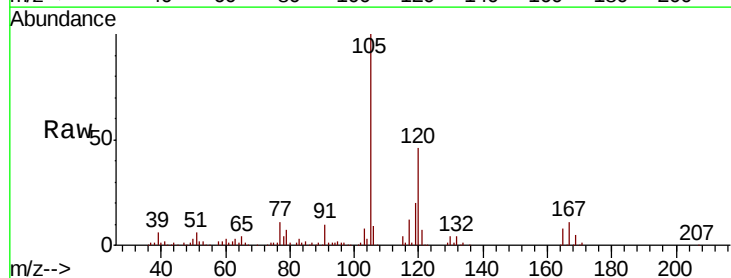
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

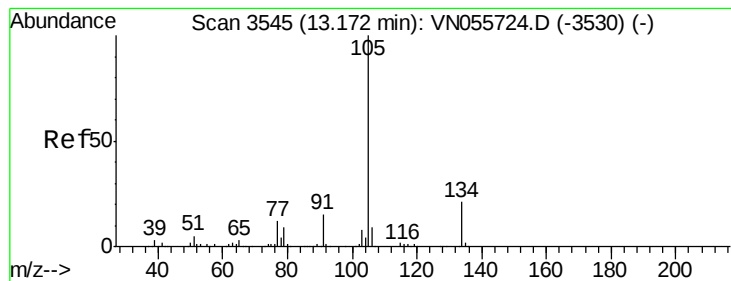
Tot Ion:119 Resp: 231761
Ion Ratio Lower Upper
119 100
91 62.8 0.0 123.8
134 26.6 0.0 52.6



#80
1,2,4-Trimethylbenzene
Concen: 20.087 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion:105 Resp: 258091
Ion Ratio Lower Upper
105 100
120 46.0 0.0 93.6





#81

sec-Butylbenzene

Concen: 19.942 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

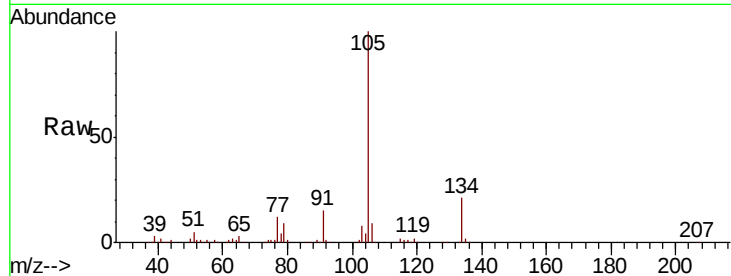
VSTDCCC020EC

Tot Ion:105 Resp: 288301

Ion Ratio Lower Upper

105 100

134 20.8 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

200000

150000

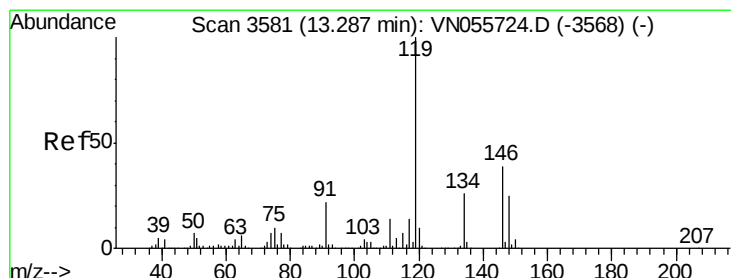
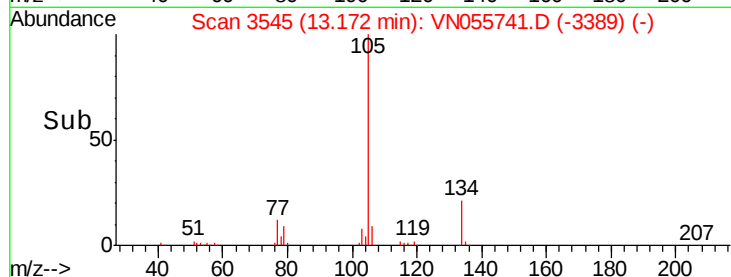
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#82

p-Isopropyltoluene

Concen: 19.646 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

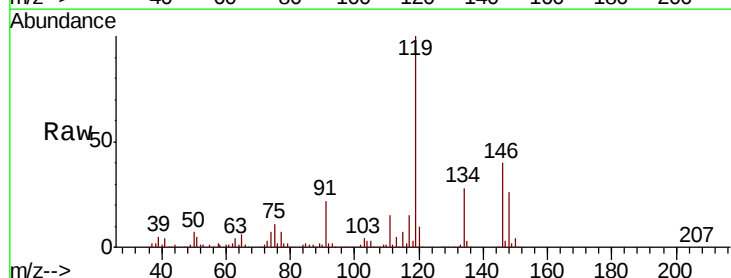
Tgt Ion:119 Resp: 261390

Ion Ratio Lower Upper

119 100

134 27.0 0.0 52.0

91 21.9 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

13.29

200000

150000

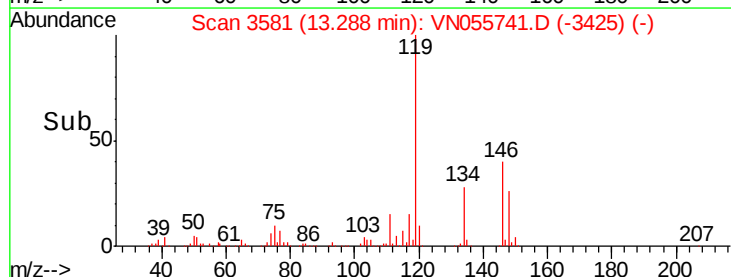
100000

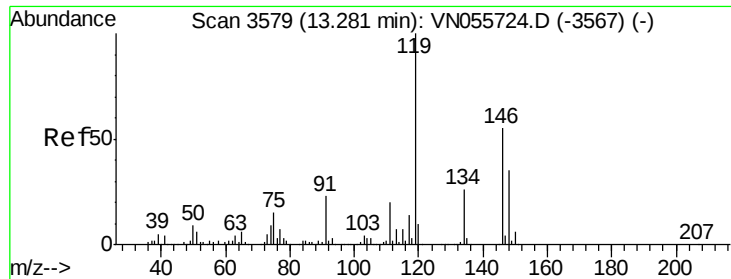
50000

0

Time-->

13.20 13.25 13.30 13.35

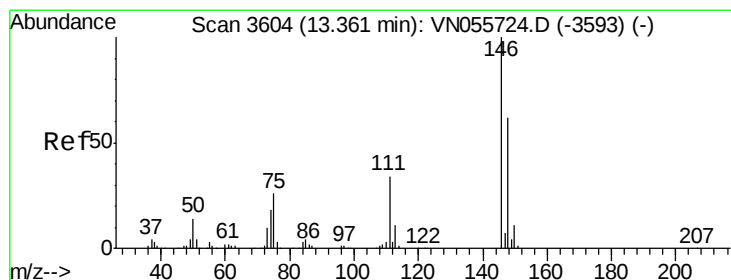
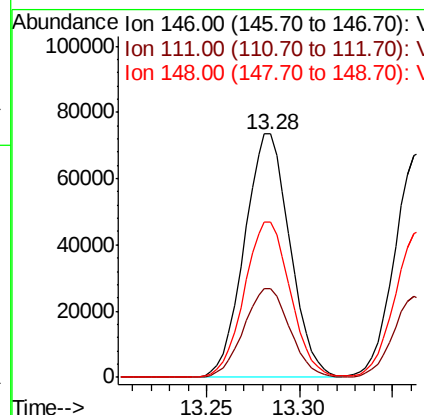
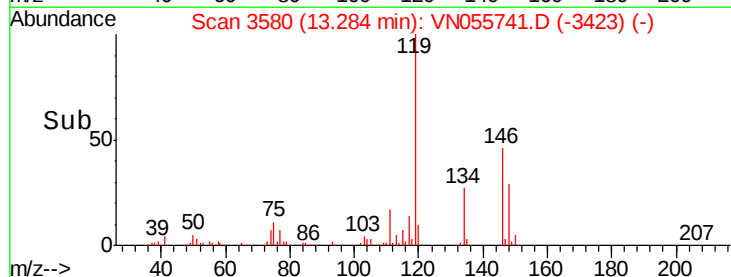
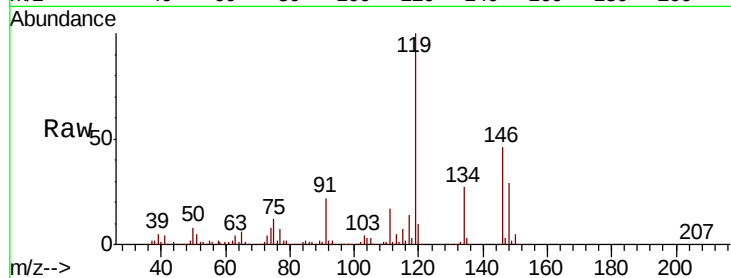




#83
 1,3-Dichlorobenzene
 Concen: 19.249 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

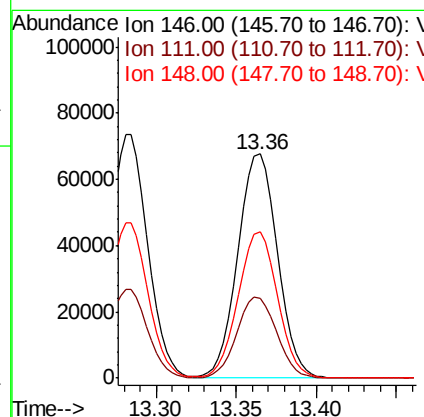
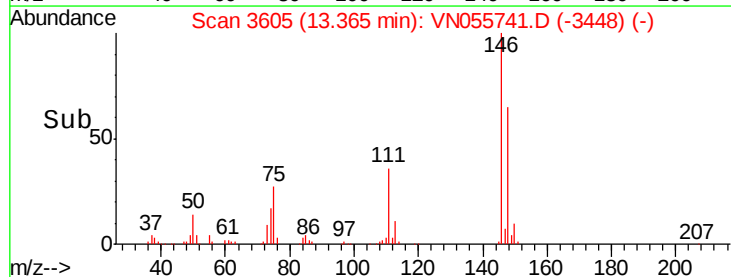
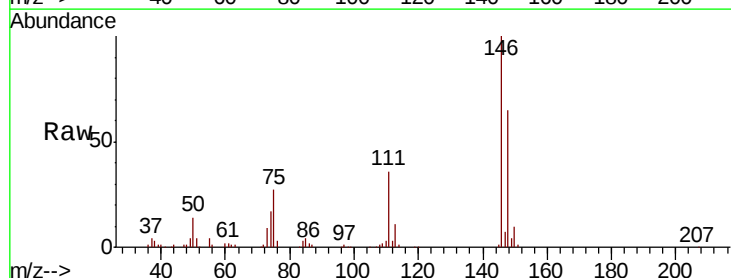
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

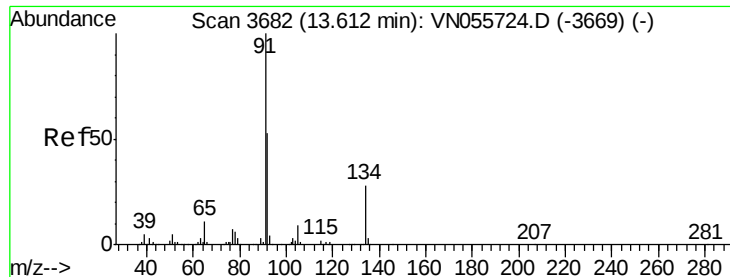
Tot Ion:146 Resp: 124997
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.6 55.6
 148 64.5 32.2 96.6



#84
 1,4-Dichlorobenzene
 Concen: 18.554 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion:146 Resp: 114744
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.5 52.6
 148 64.5 31.8 95.4

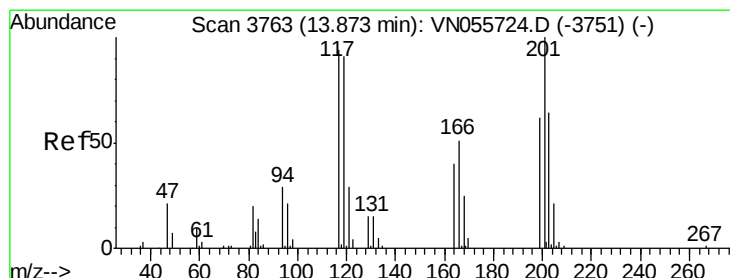
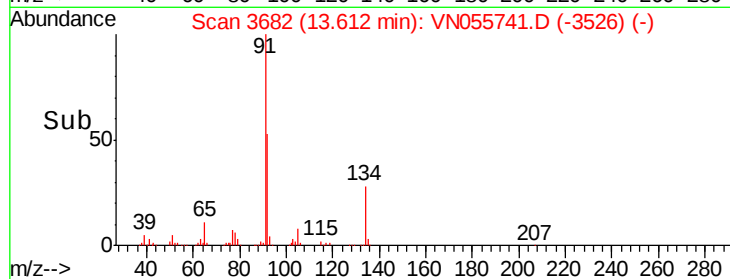
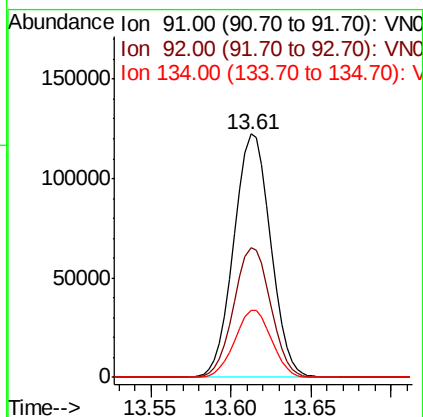
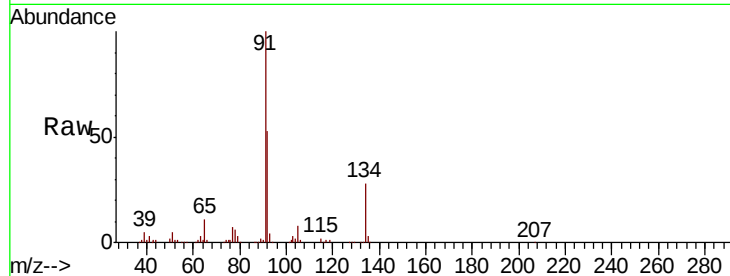




#85
n-Butylbenzene
Concen: 18.534 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

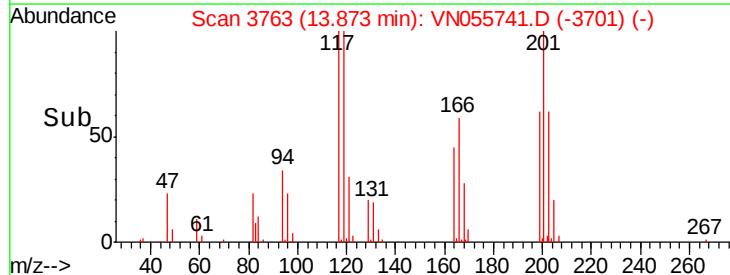
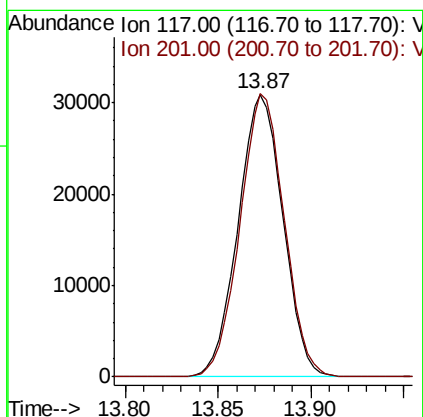
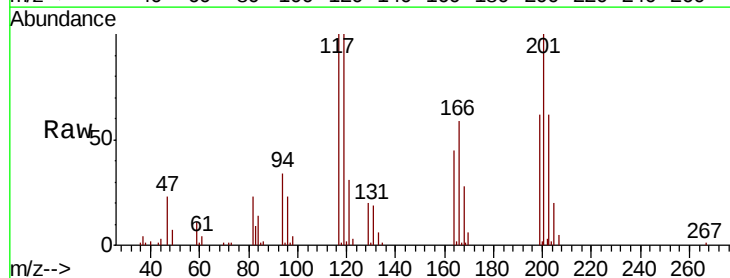
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

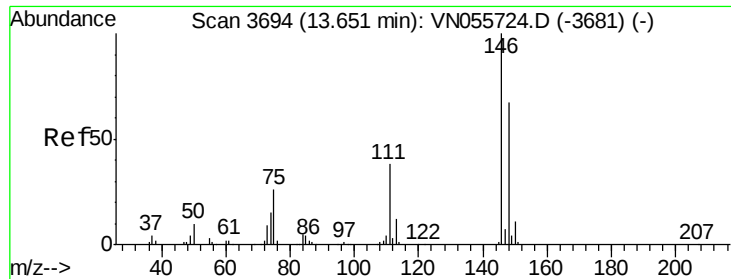
Tot Ion: 91 Resp: 191844
Ion Ratio Lower Upper
91 100
92 53.4 0.0 106.8
134 27.5 0.0 55.2



#86
Hexachloroethane
Concen: 19.791 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055741.D
Acq: 23 May 2019 1:17

Tgt Ion: 117 Resp: 51793
Ion Ratio Lower Upper
117 100
201 98.9 52.5 157.6

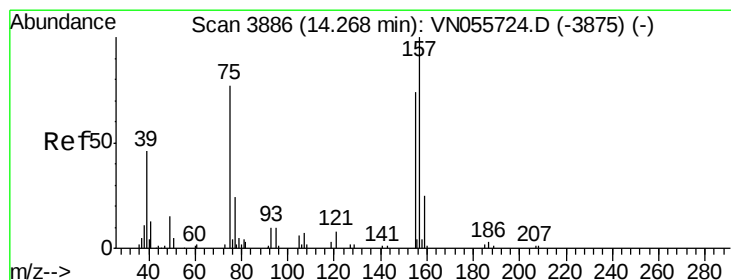
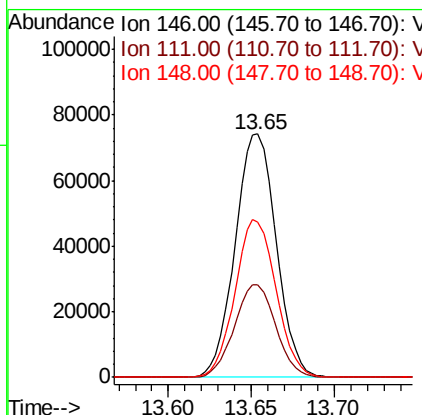
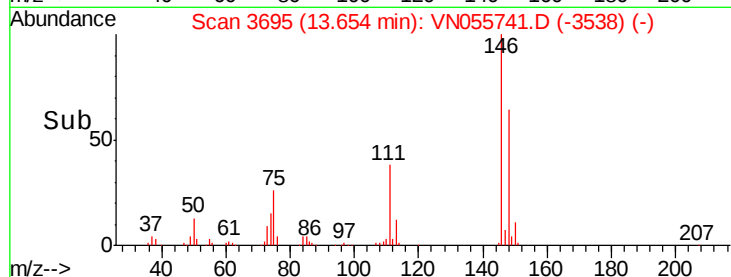
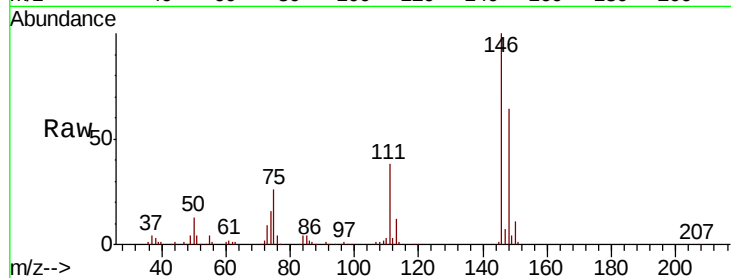




#87
 1,2-Dichlorobenzene
 Concen: 19.591 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

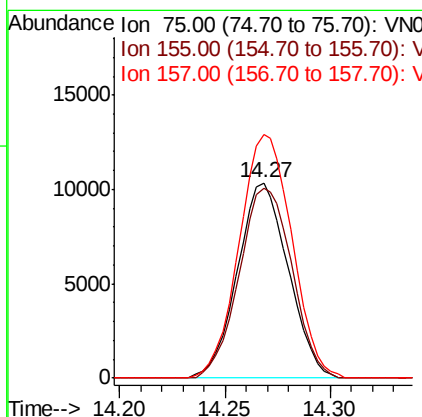
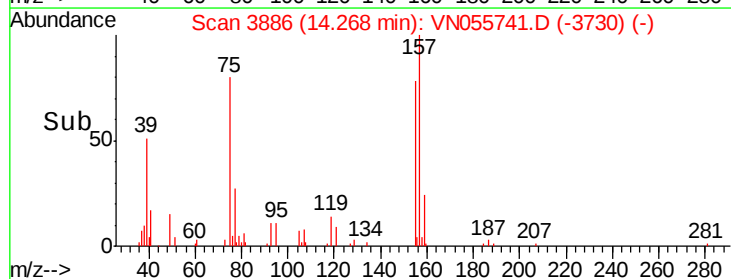
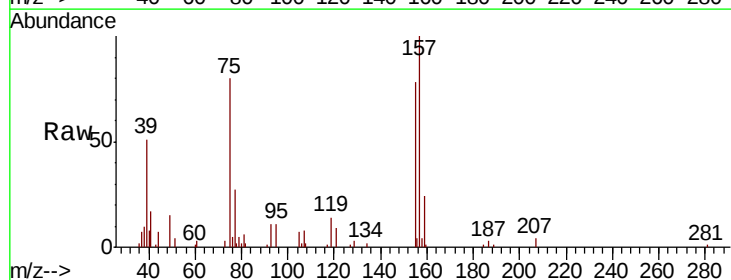
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

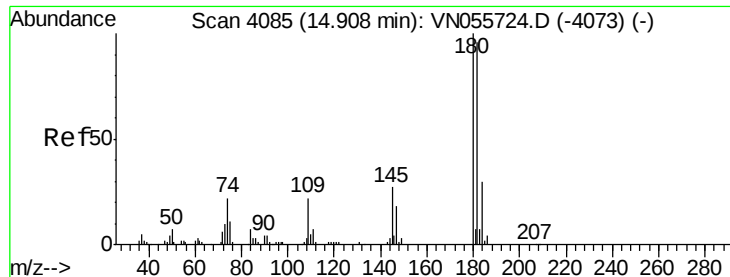
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.5	32.7	98.1



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.979 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	78.4	117.6
157	129.3	105.0	157.4

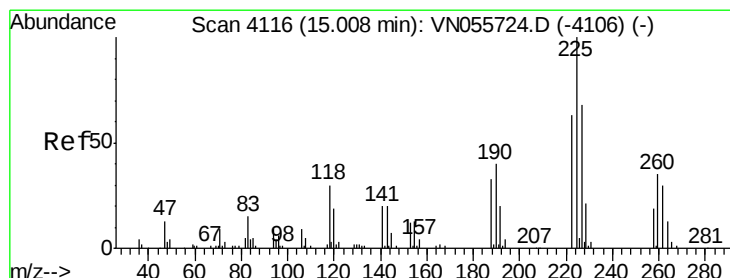
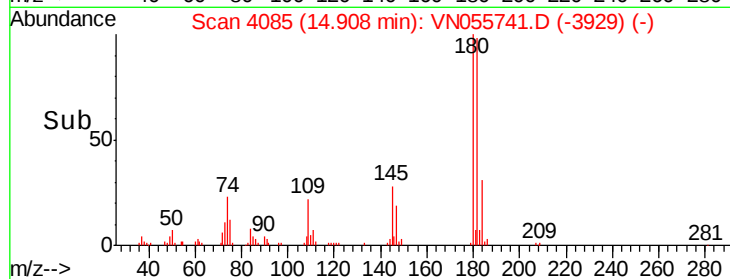
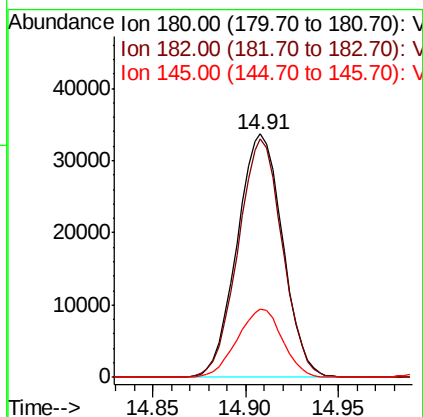
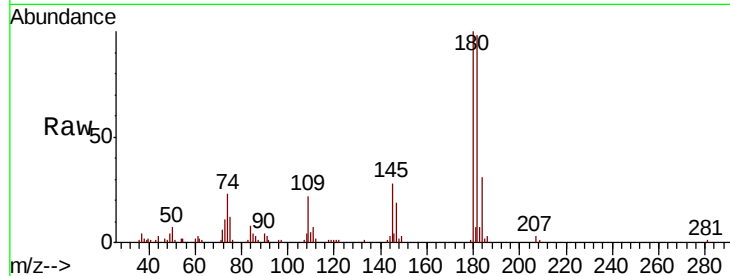




#89
 1,2,4-Trichlorobenzene
 Concen: 16.323 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

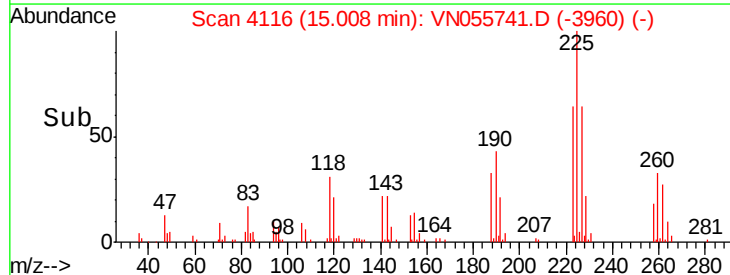
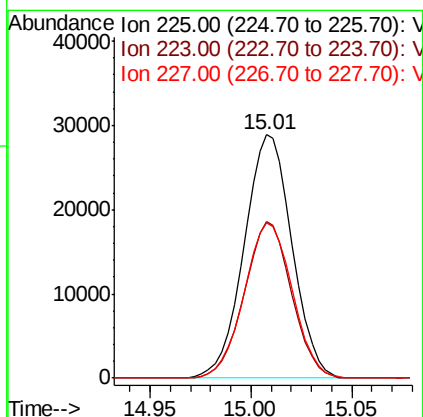
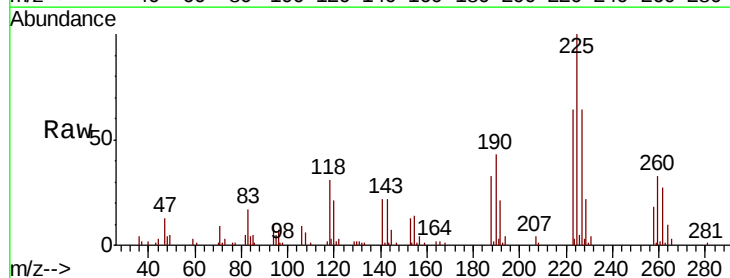
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

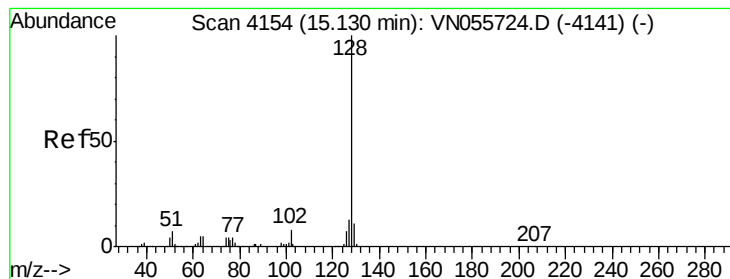
Tot Ion:180 Resp: 57612
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.1 114.1
 145 27.8 21.8 32.8



#90
 Hexachlorobutadiene
 Concen: 18.175 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055741.D
 Acq: 23 May 2019 1:17

Tgt Ion:225 Resp: 47864
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 126.0
 227 64.4 0.0 133.0





#91

Naphthalene

Concen: 17.146 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

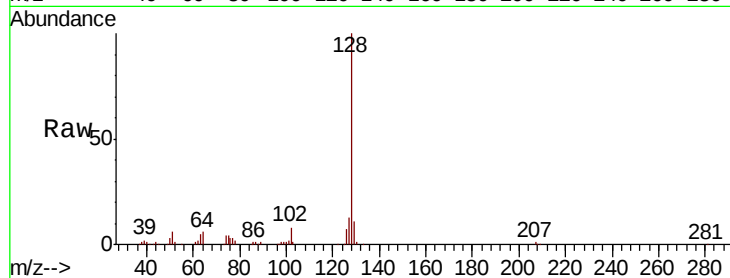
Tot Ion:128 Resp: 165351

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

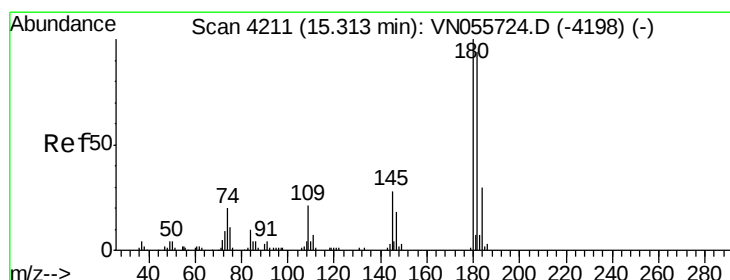
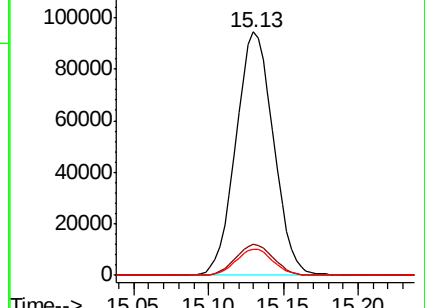
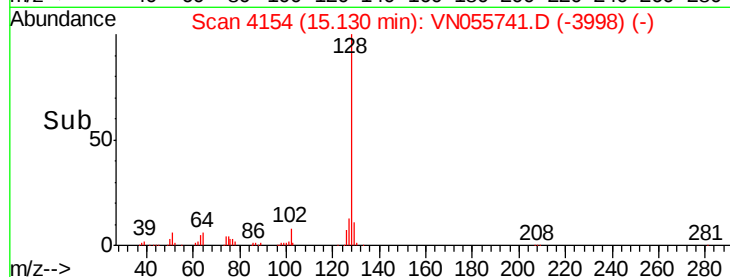
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.258 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055741.D

Acq: 23 May 2019 1:17

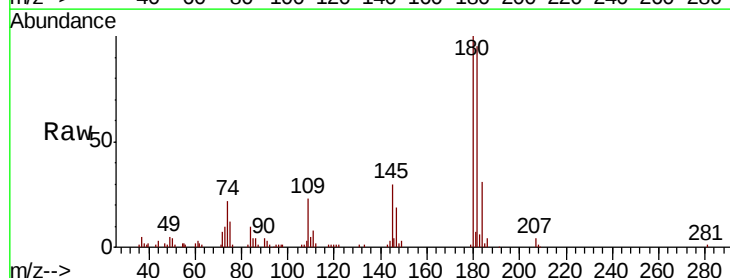
Tgt Ion:180 Resp: 63661

Ion Ratio Lower Upper

180 100

182 96.6 0.0 188.6

145 30.3 0.0 56.8



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

