

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041619\
 Data File : VN055090.D
 Acq On : 16 Apr 2019 20:23
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Apr 17 01:34:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	71831	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	387873	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	344708	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	163376	29.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.47%
60) 4-Bromofluorobenzene	12.40	95	155630	29.00	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.67%
63) Toluene-d8	10.09	98	489451	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	83163	19.685	ug/l 100
3) Chloromethane	2.06	50	117404	20.572	ug/l 98
4) Vinyl Chloride	2.19	62	97652	19.787	ug/l 97
5) Bromomethane	2.56	94	57706	20.215	ug/l 96
6) Chloroethane	2.70	64	53500	19.356	ug/l 98
7) Trichlorofluoromethane	3.02	101	126170	20.007	ug/l 94
8) Diethyl Ether	3.41	74	41374	20.433	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67549	19.595	ug/l 98
10) 1,1-Dichloroethene	3.73	96	60764	19.065	ug/l 99
11) Methyl Iodide	3.94	142	99156	20.558	ug/l 99
12) Methyl Acetate	4.33	43	97795	24.946	ug/l 99
13) Acrolein	3.60	56	32582	94.830	ug/l 98
14) Acrylonitrile	4.99	53	180389	112.313	ug/l 98
15) Acetone	3.82	58	31116	78.291	ug/l 95
16) Carbon Disulfide	4.04	76	200503	18.755	ug/l 100
17) Allyl chloride	4.32	41	162623	20.719	ug/l 98
18) Methylene Chloride	4.55	84	98508	20.909	ug/l 96
19) trans-1,2-Dichloroethene	5.03	96	85309	20.561	ug/l 98
20) Diisopropyl ether	5.96	45	337128	21.202	ug/l 99
21) 1,1-Dichloroethane	5.84	63	178982	21.074	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	99815	20.698	ug/l 98
23) tert-Butyl Alcohol	4.82	59	30915	120.714	ug/l # 100
25) Chloroform	7.37	83	169595	20.847	ug/l 97
26) Cyclohexane	7.65	56	156927	19.914	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	124195	20.560	ug/l 98
30) 2-Butanone	6.85	43	214529	106.989	ug/l 99
31) 2,2-Dichloropropane	6.82	77	110989	19.963	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	137182	21.485	ug/l 98
33) Carbon Tetrachloride	7.77	117	110700	20.026	ug/l 97
34) Benzene	8.04	78	367295	20.518	ug/l 98
35) Methacrylonitrile	7.18	41	50946	21.557	ug/l 97
36) 1,2-Dichloroethane	8.12	62	128305	20.972	ug/l 100
37) Trichloroethene	8.83	130	93463	20.481	ug/l 96
38) Methylcyclohexane	9.08	83	132324	18.889	ug/l 99
39) 1,2-Dichloropropane	9.12	63	105300	21.303	ug/l 98
40) Dibromomethane	9.21	93	60629	21.701	ug/l 98
41) Bromodichloromethane	9.40	83	115912	20.102	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1118757	110.363	ug/l	99
43) Ethyl Acetate	6.94	43	90570	22.172	ug/l	100
44) Isopropyl Acetate	8.17	43	156334	22.583	ug/l	100
45) 1,4-Dioxane	9.20	88	16252	423.754	ug/l	94
46) Methyl methacrylate	9.20	41	83359	23.277	ug/l	95
47) n-amyl Acetate	12.07	43	120480	23.629	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	107191	20.244	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	136116	20.823	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81393	21.449	ug/l	99
51) Ethyl methacrylate	10.43	69	100843	22.293	ug/l	99
52) 1,3-Dichloropropane	10.71	76	145237	21.842	ug/l	98
53) Dibromochloromethane	10.90	129	80316	20.547	ug/l	99
54) 1,2-Dibromoethane	11.00	107	76629	21.510	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	186600	98.673	ug/l	99
56) Bromoform	12.13	173	48277	19.656	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	457365	115.054	ug/l	98
59) 2-Hexanone	10.75	43	276873	109.637	ug/l	99
61) Tetrachloroethene	10.63	164	88342	19.693	ug/l	97
62) Toluene	10.15	91	389222	20.493	ug/l	98
64) Chlorobenzene	11.43	112	237024	20.671	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	87297	21.406	ug/l	98
66) Ethyl Benzene	11.51	91	412776	20.274	ug/l	98
67) m/p-Xylenes	11.62	106	310667	41.050	ug/l	97
68) o-Xylene	11.95	106	154747	20.691	ug/l	97
69) Styrene	11.96	104	232156	19.990	ug/l	100
70) Isopropylbenzene	12.25	105	404121	20.210	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102788	22.475	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	117530	31.117	ug/l	54
73) Bromobenzene	12.53	156	94454	19.985	ug/l	99
74) n-propylbenzene	12.59	91	441855	19.738	ug/l	99
75) 2-Chlorotoluene	12.67	91	277425	20.548	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	324288	20.060	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19386	20.362	ug/l	89
78) 4-Chlorotoluene	12.77	91	255546	19.865	ug/l	100
79) tert-butylbenzene	12.99	119	281028	20.090	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	319425	20.113	ug/l	100
81) sec-Butylbenzene	13.17	105	367093	19.640	ug/l	98
82) p-Isopropyltoluene	13.29	119	306207	19.412	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	152579	19.297	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	142403	18.952	ug/l	100
85) n-Butylbenzene	13.61	91	226895	18.057	ug/l	99
86) Hexachloroethane	13.87	117	47604	18.852	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	155355	20.063	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12906	21.232	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	60189	17.386	ug/l	97
90) Hexachlorobutadiene	15.01	225	52459	20.784	ug/l	98
91) Naphthalene	15.13	128	134533	18.559	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	64564	18.648	ug/l	98

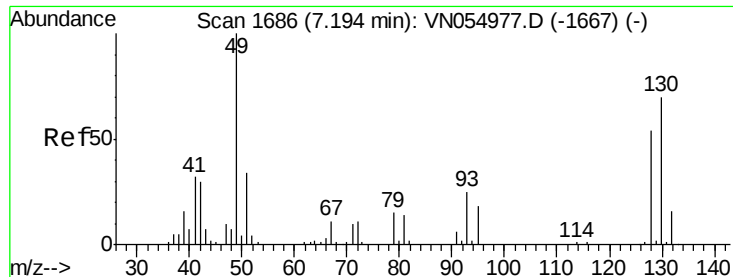
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QLast Update : Fri Apr 12 07:55:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

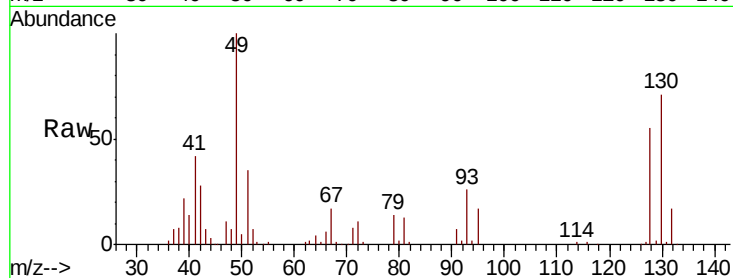
Tot Ion:128 Resp: 71831

Ion Ratio Lower Upper

128 100

49 186.5 0.0 480.3

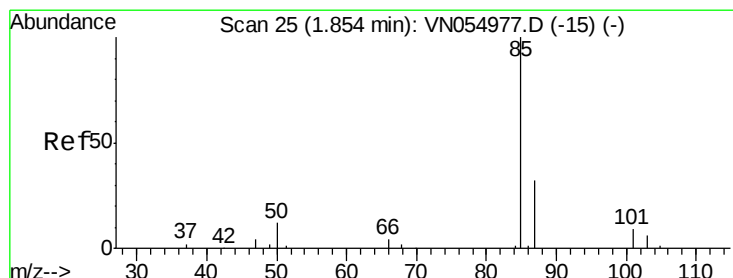
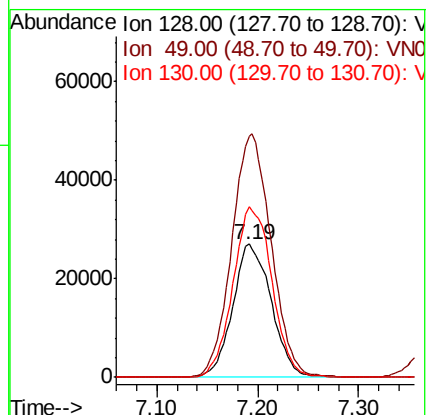
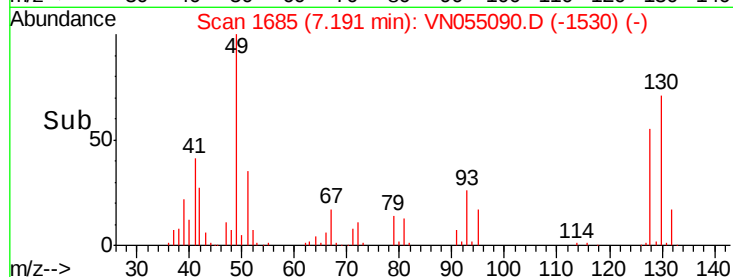
130 129.3 0.0 322.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.685 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055090.D

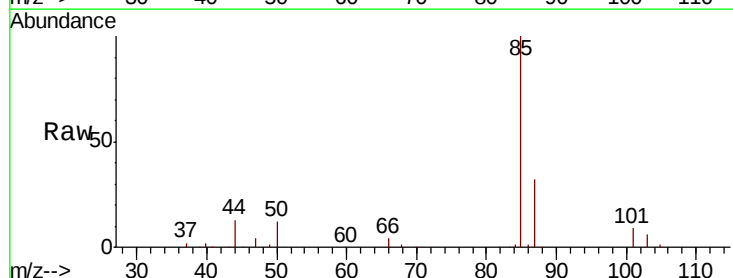
Acq: 16 Apr 2019 20:23

Tgt Ion: 85 Resp: 83163

Ion Ratio Lower Upper

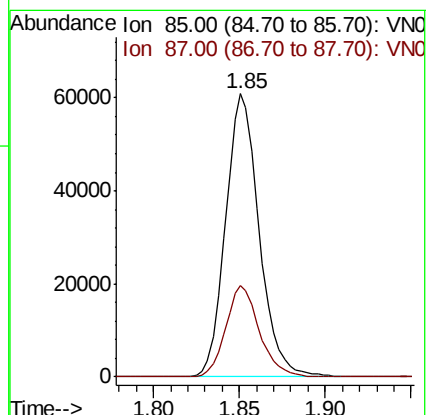
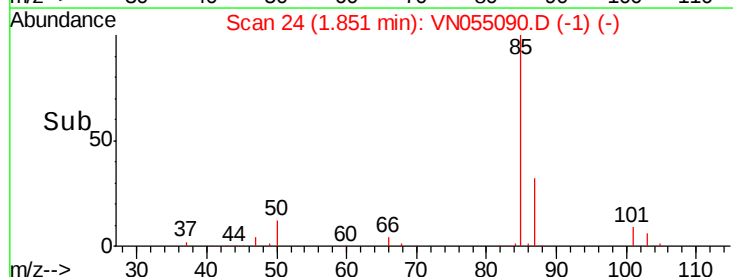
85 100

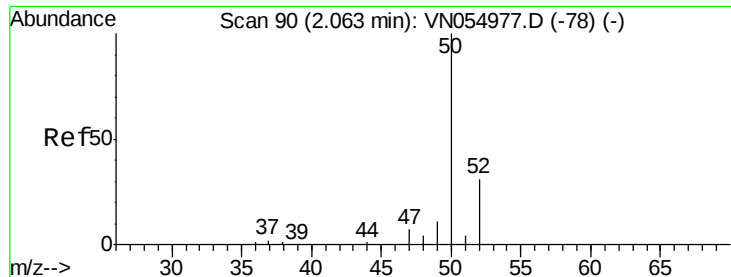
87 32.4 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.572 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

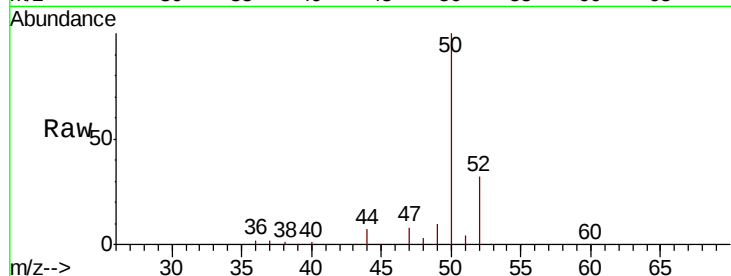
VSTDCCC020EC

Tot Ion: 50 Resp: 117404

Ion Ratio Lower Upper

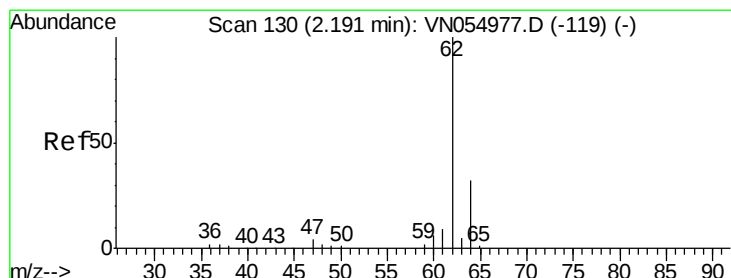
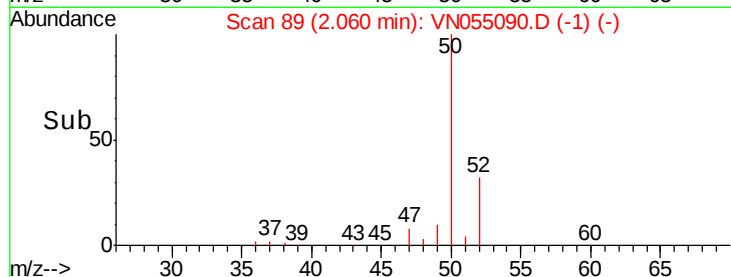
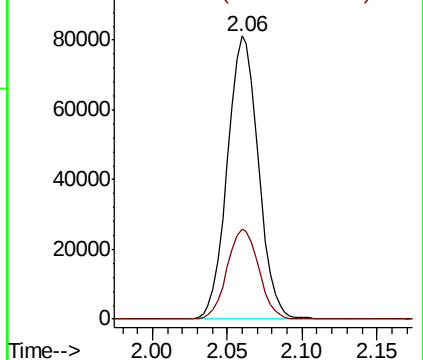
50 100

52 31.9 24.5 36.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.787 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055090.D

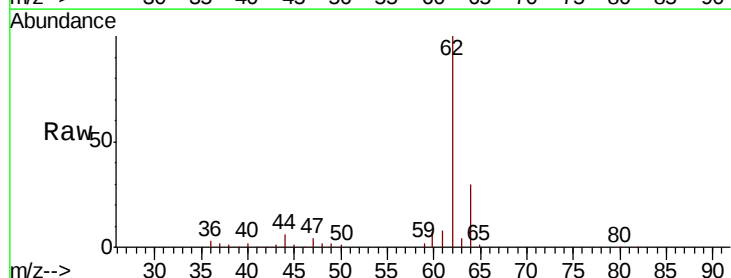
Acq: 16 Apr 2019 20:23

Tgt Ion: 62 Resp: 97652

Ion Ratio Lower Upper

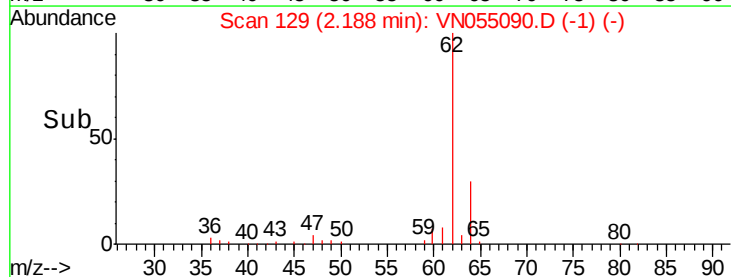
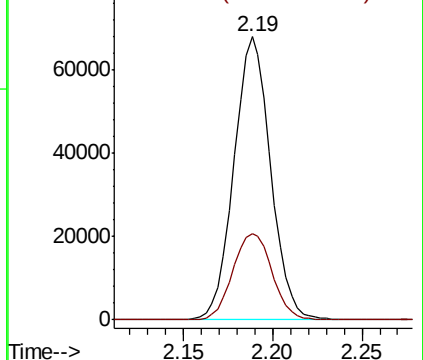
62 100

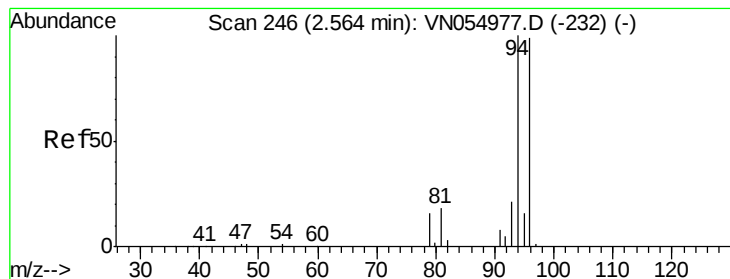
64 30.4 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.215 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

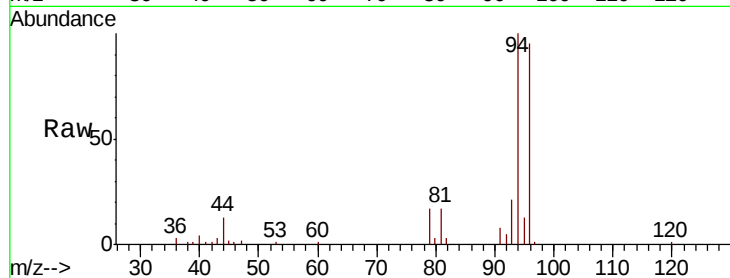
VSTDCCC020EC

Tot Ion: 94 Resp: 57706

Ion Ratio Lower Upper

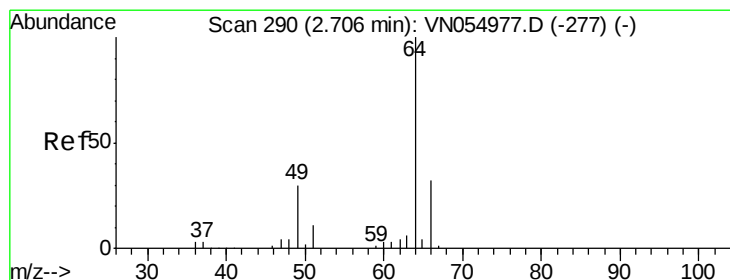
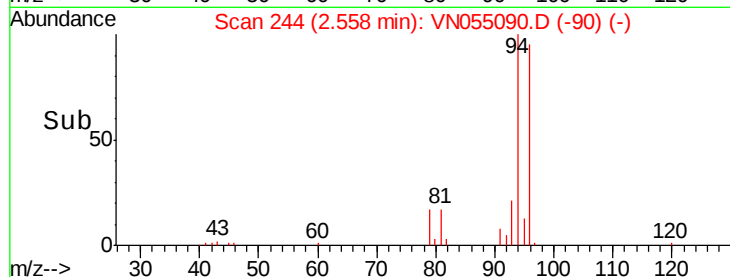
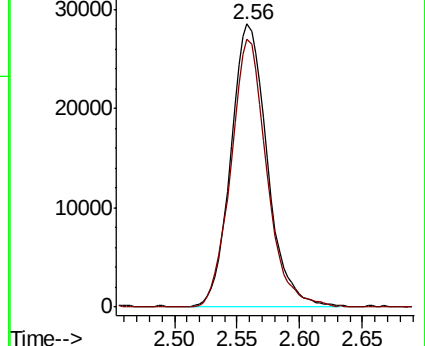
94 100

96 94.7 79.1 118.7



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.356 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055090.D

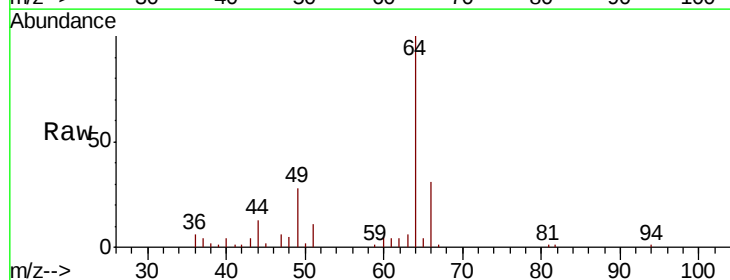
Acq: 16 Apr 2019 20:23

Tgt Ion: 64 Resp: 53500

Ion Ratio Lower Upper

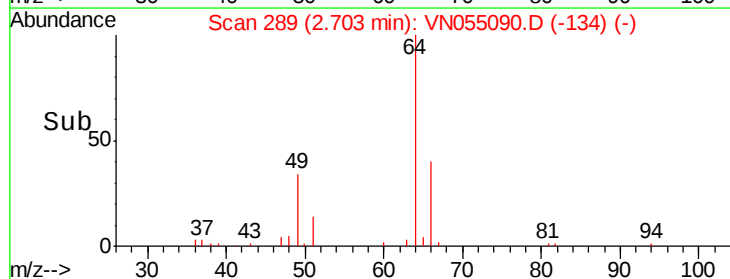
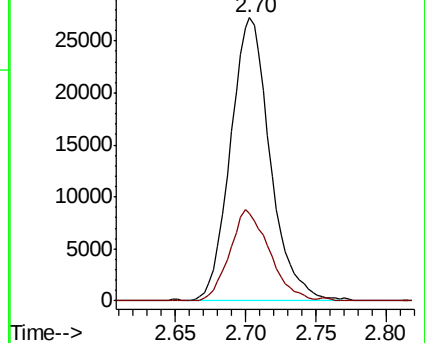
64 100

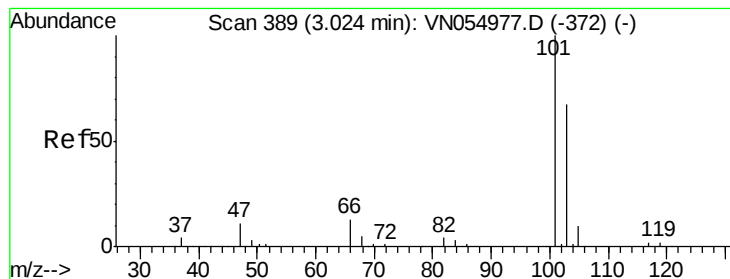
66 31.2 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



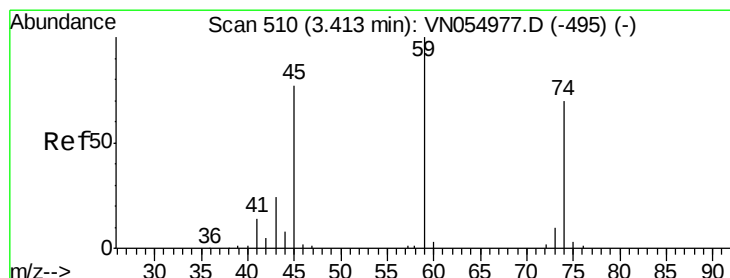
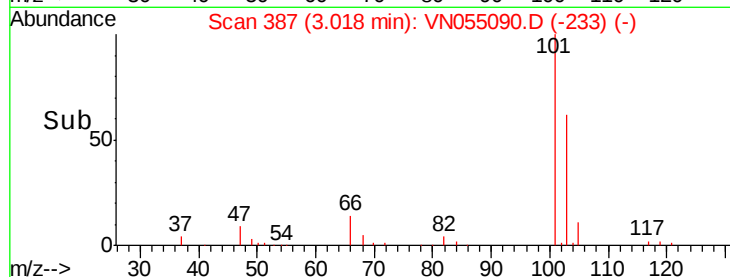
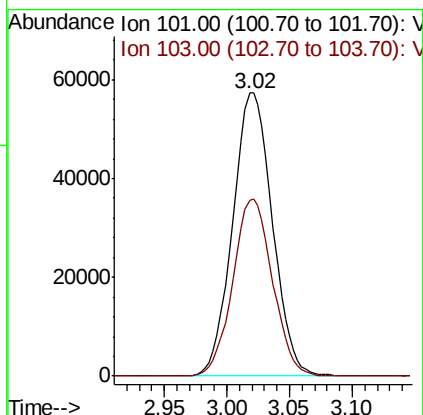
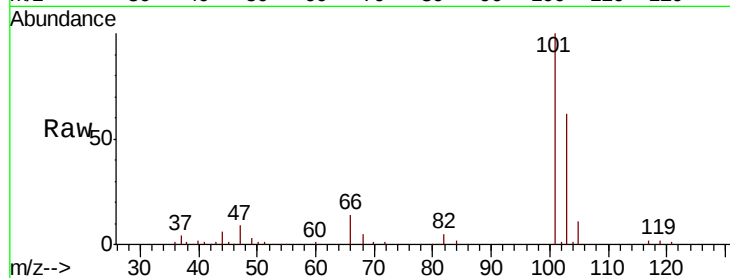


#7

Trichlorofluoromethane
Concen: 20.007 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
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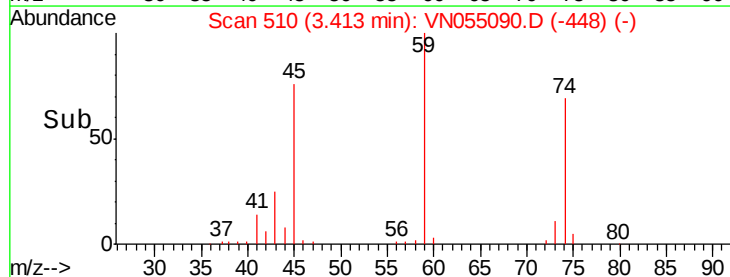
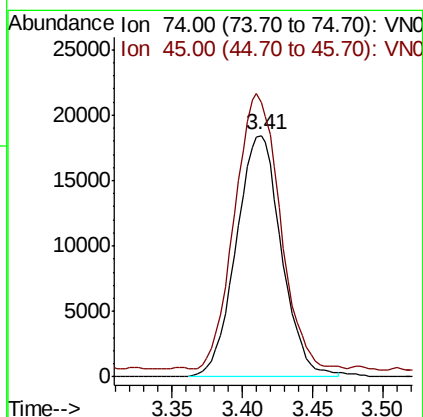
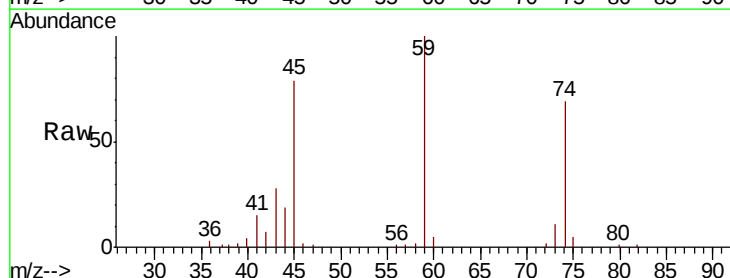
Tot Ion:101 Resp: 126170
Ion Ratio Lower Upper
101 100
103 62.1 53.4 80.0

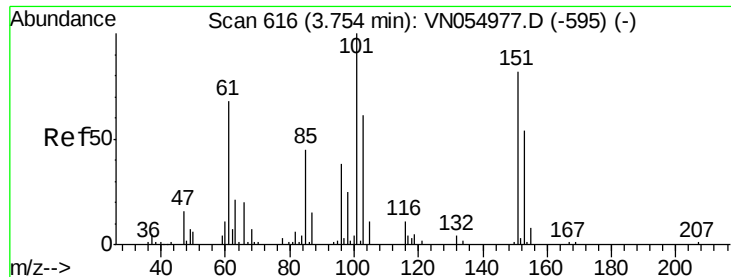


#8

Diethyl Ether
Concen: 20.433 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 74 Resp: 41374
Ion Ratio Lower Upper
74 100
45 114.3 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.595 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

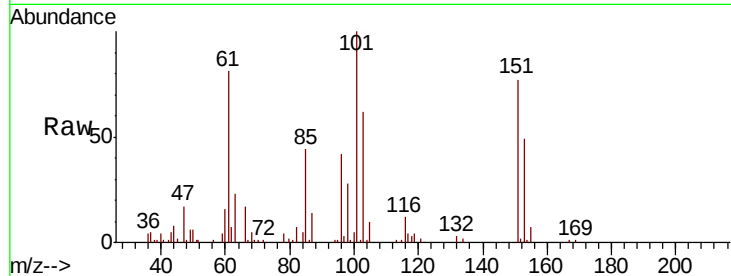
Tot Ion:101 Resp: 67549

Ion Ratio Lower Upper

101 100

85 46.4 0.0 91.4

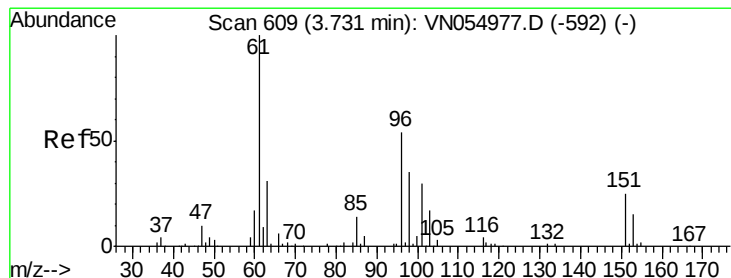
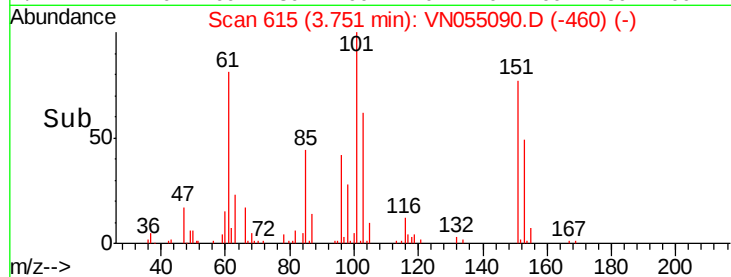
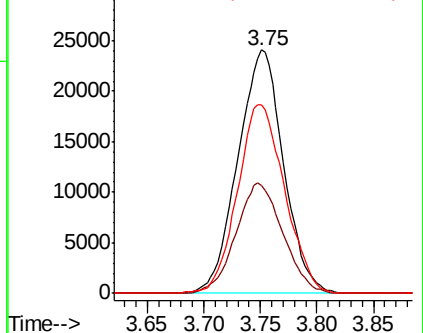
151 80.2 0.0 165.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.065 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

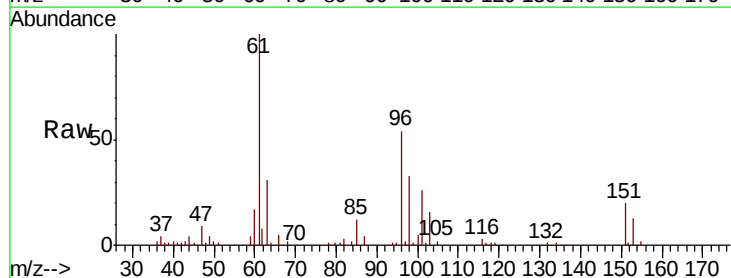
Tgt Ion: 96 Resp: 60764

Ion Ratio Lower Upper

96 100

61 185.2 148.4 222.6

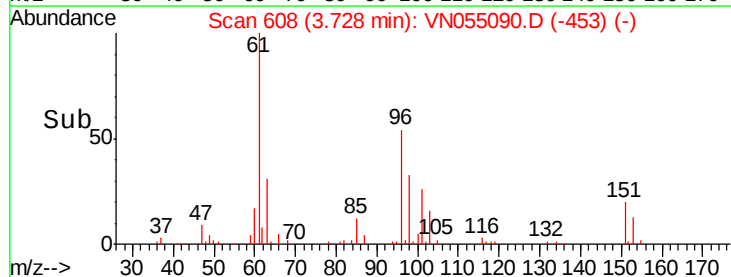
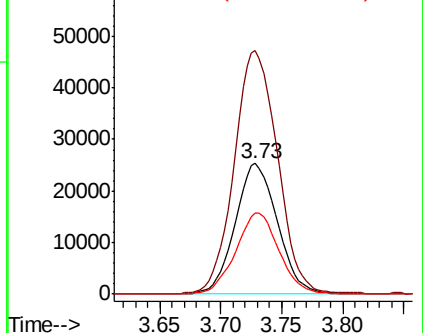
98 61.8 52.2 78.2

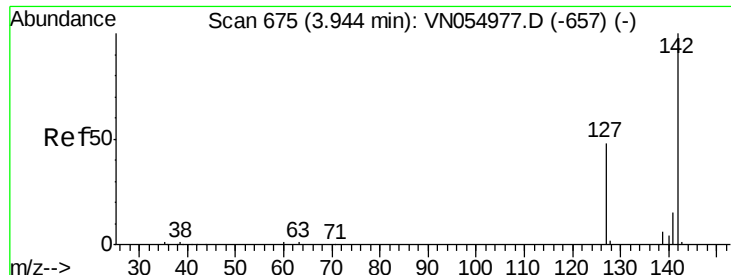


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

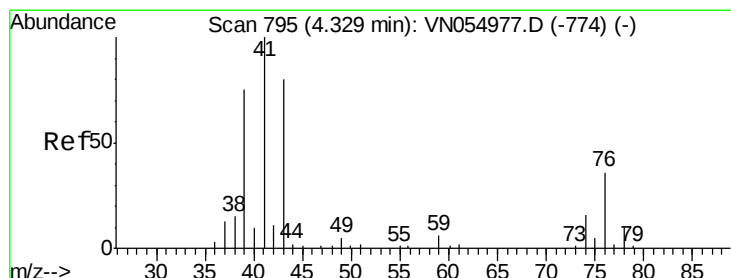
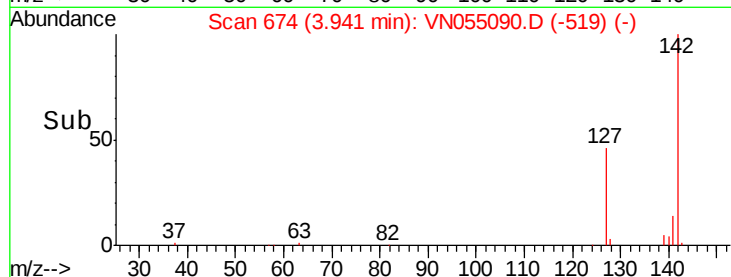
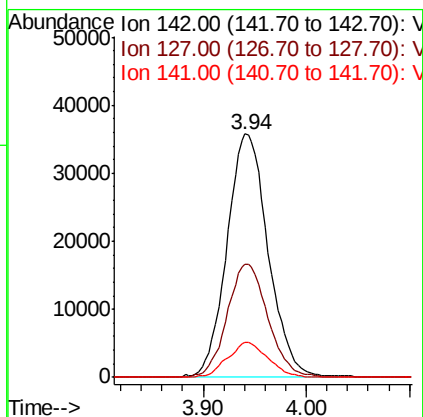
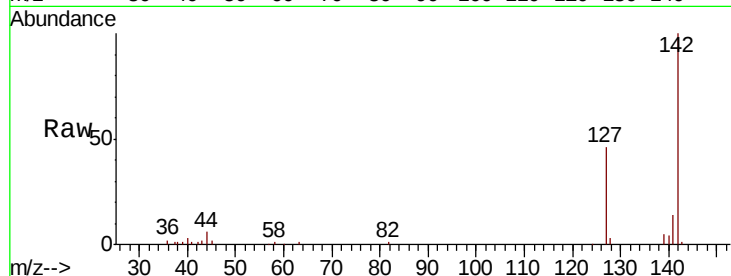




#11
Methvl Iodide
Concen: 20.558 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

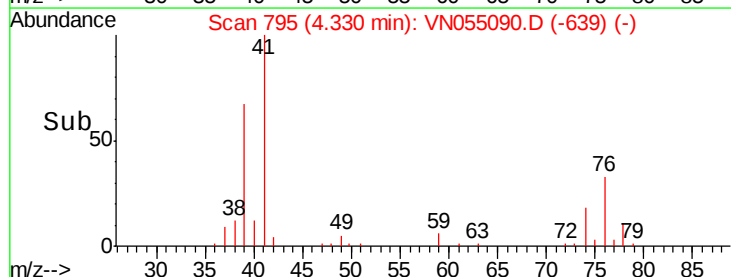
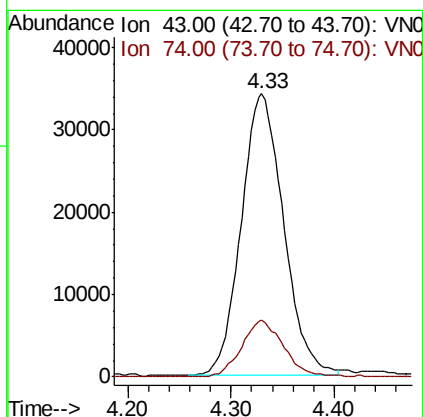
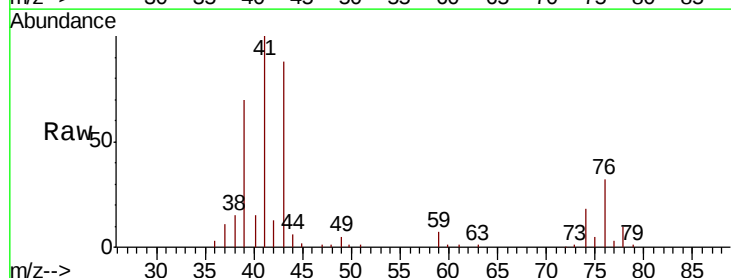
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

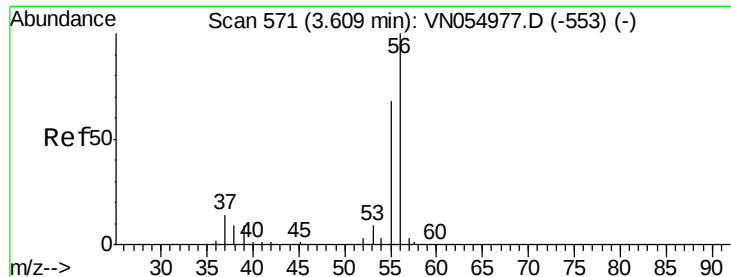
Tot Ion:142 Resp: 99156
Ion Ratio Lower Upper
142 100
127 46.7 23.8 71.5
141 14.4 7.3 22.0



#12
Methyl Acetate
Concen: 24.946 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 43 Resp: 97795
Ion Ratio Lower Upper
43 100
74 19.9 16.2 24.4





#13

Acrolein

Concen: 94.830 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

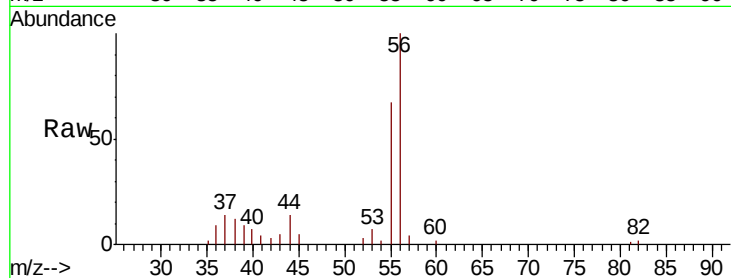
VSTDCCC020EC

Tot Ion: 56 Resp: 32582

Ion Ratio Lower Upper

56 100

55 69.1 57.0 85.4

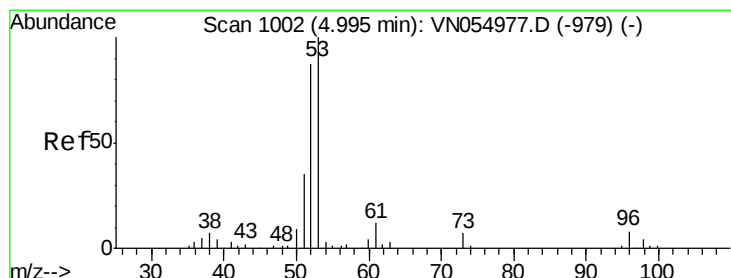
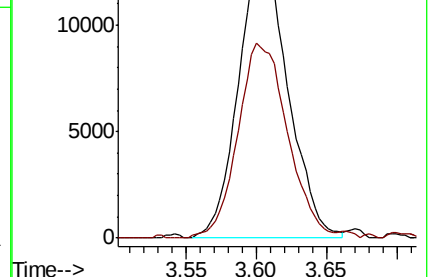
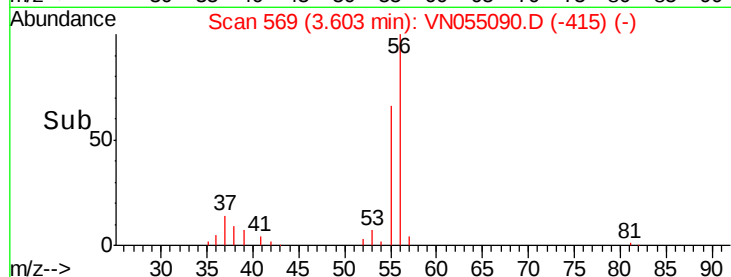


Abundance Ion 56.00 (55.70 to 56.70): VN054977.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN054977.D (-553) (-)

3.60

Time-->



#14

Acrylonitrile

Concen: 112.313 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

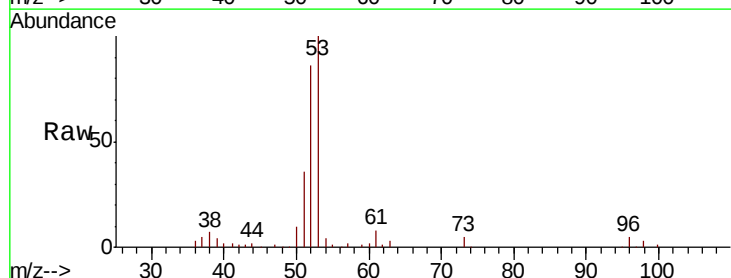
Tgt Ion: 53 Resp: 180389

Ion Ratio Lower Upper

53 100

52 82.7 42.3 126.8

51 36.7 18.6 56.0



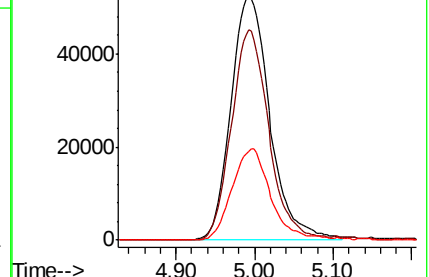
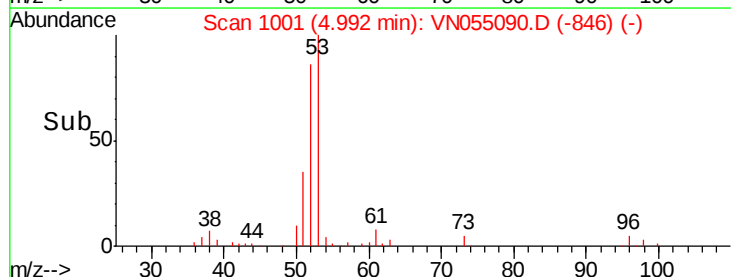
Abundance Ion 53.00 (52.70 to 53.70): VN054977.D (-979) (-)

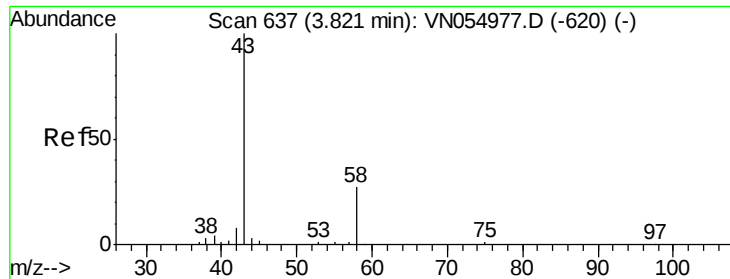
Ion 52.00 (51.70 to 52.70): VN054977.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN054977.D (-979) (-)

4.99

Time-->





#15

Acetone

Concen: 78.291 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

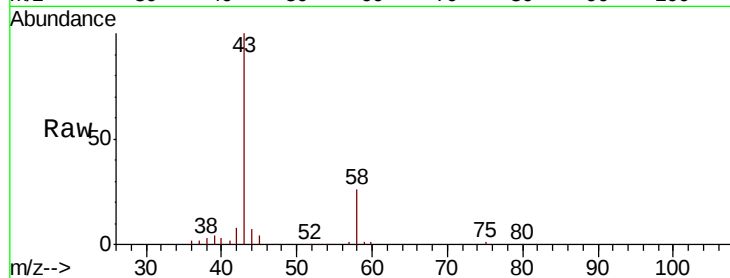
VSTDCCC020EC

Tot Ion: 58 Resp: 31116

Ion Ratio Lower Upper

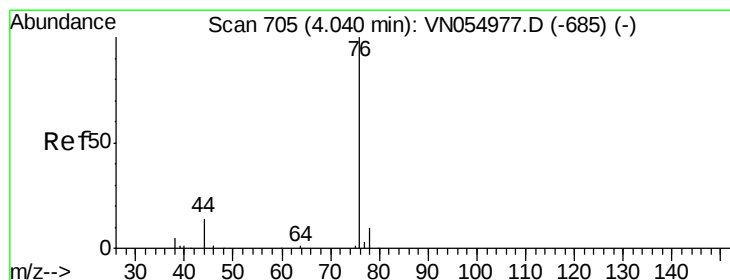
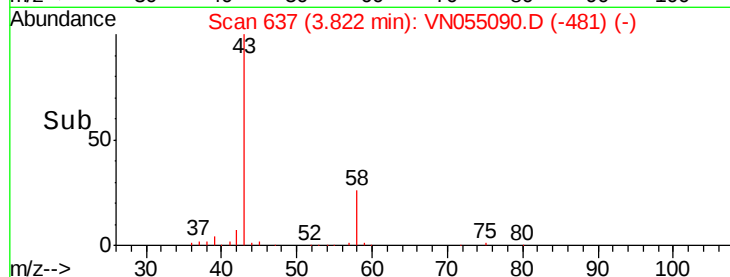
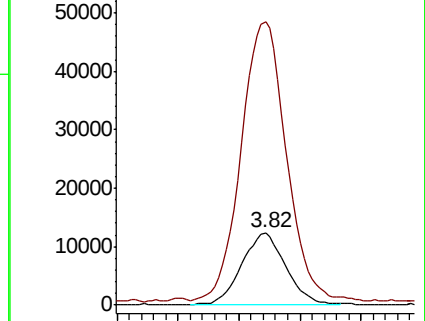
58 100

43 383.6 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN054977.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN054977.D (-620) (-)



#16

Carbon Disulfide

Concen: 18.755 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN055090.D

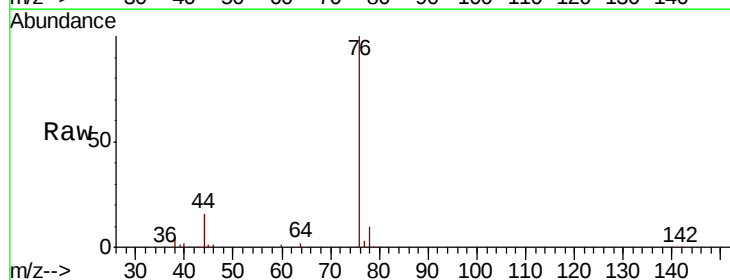
Acq: 16 Apr 2019 20:23

Tgt Ion: 76 Resp: 200503

Ion Ratio Lower Upper

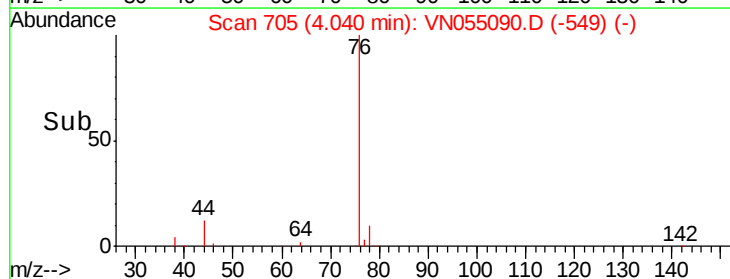
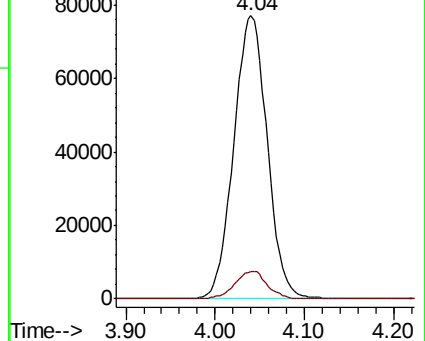
76 100

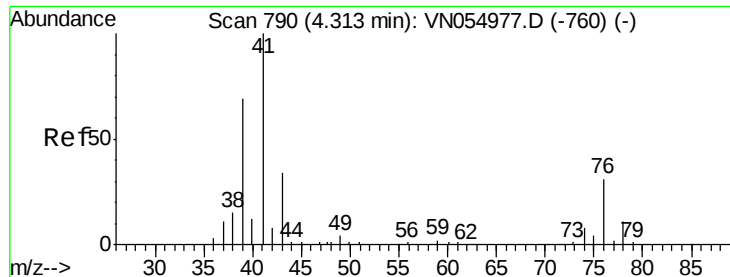
78 9.6 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-685) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-685) (-)





#17

Allvl chloride

Concen: 20.719 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

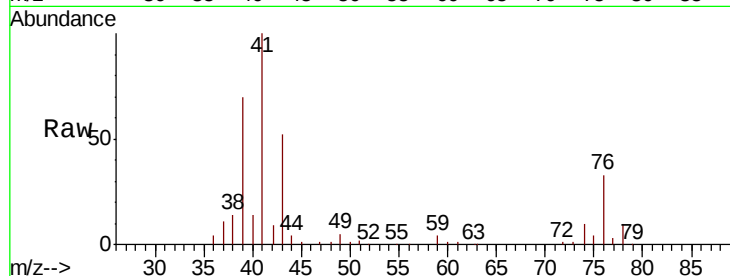
Tot Ion: 41 Resp: 162623

Ion Ratio Lower Upper

41 100

39 69.6 34.3 102.9

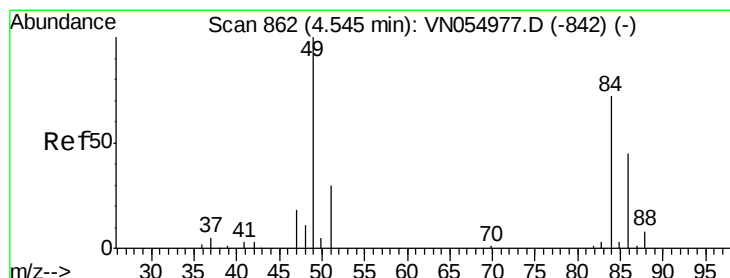
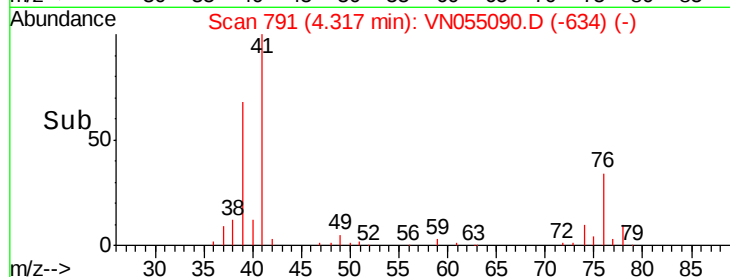
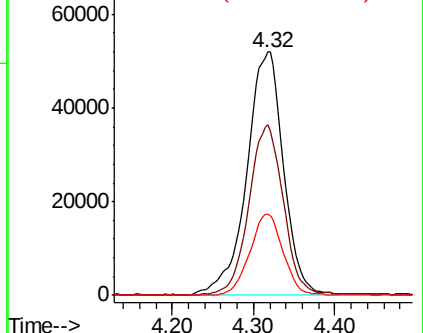
76 33.3 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VN054977.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN054977.D (-760) (-)

Ion 76.00 (75.70 to 76.70): VN054977.D (-760) (-)



#18

Methylene Chloride

Concen: 20.909 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion: 84 Resp: 98508

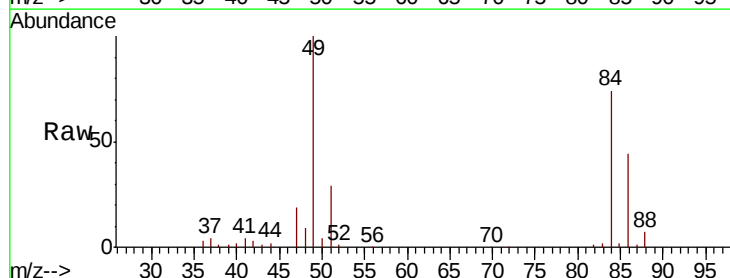
Ion Ratio Lower Upper

84 100

49 134.0 111.0 166.4

51 39.5 33.4 50.2

86 59.5 49.5 74.3

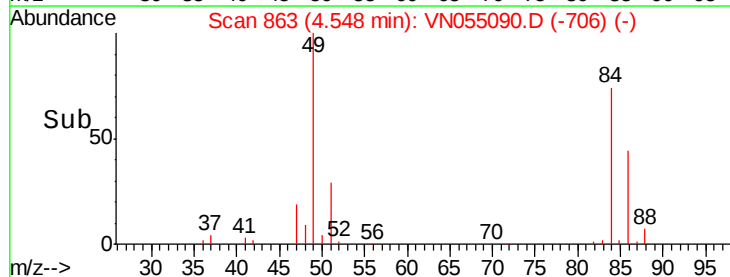
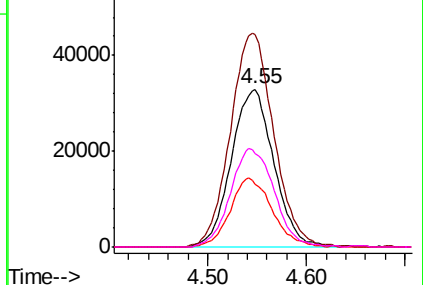


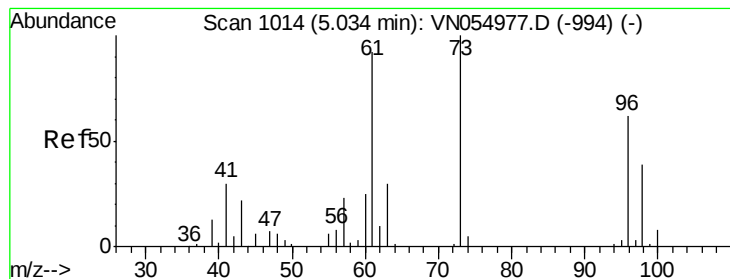
Abundance Ion 84.00 (83.70 to 84.70): VN054977.D (-842) (-)

Ion 49.00 (48.70 to 49.70): VN054977.D (-842) (-)

Ion 51.00 (50.70 to 51.70): VN054977.D (-842) (-)

Ion 86.00 (85.70 to 86.70): VN054977.D (-842) (-)





#19

trans-1,2-Dichloroethene

Concen: 20.561 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

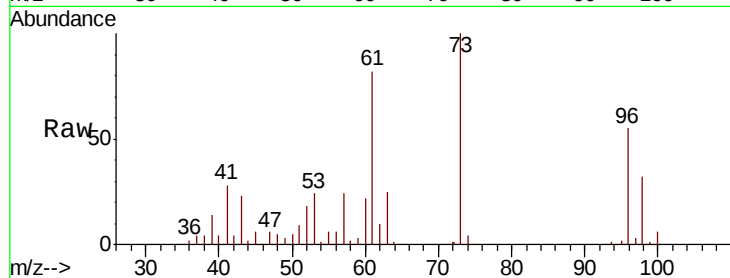
Tot Ion: 96 Resp: 85309

Ion Ratio Lower Upper

96 100

61 148.5 117.2 175.8

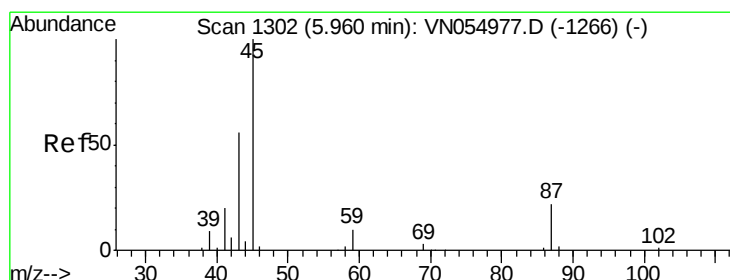
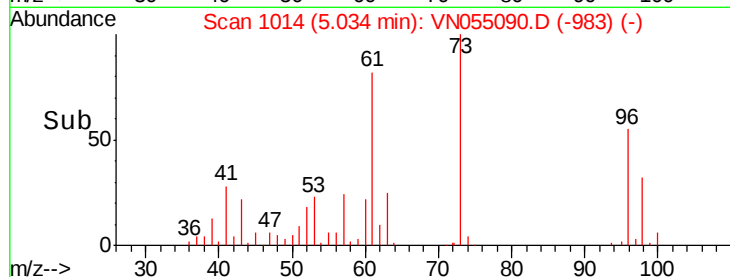
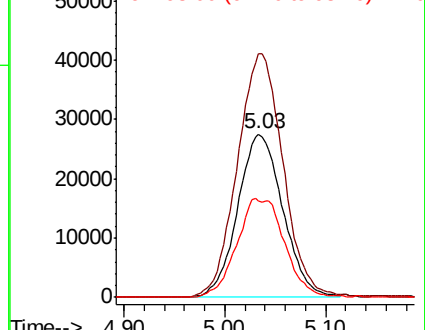
98 58.8 49.4 74.2



Abundance Ion 96.00 (95.70 to 96.70): VN055090.D (-983) (-)

Ion 61.00 (60.70 to 61.70): VN055090.D (-983) (-)

Ion 98.00 (97.70 to 98.70): VN055090.D (-983) (-)



#20

Diisopropyl ether

Concen: 21.202 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion: 45 Resp: 337128

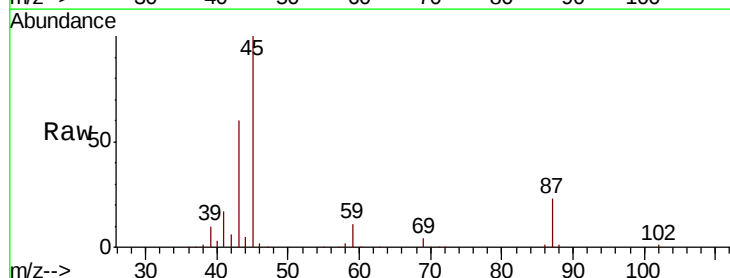
Ion Ratio Lower Upper

45 100

43 57.6 45.8 68.8

87 22.4 18.2 27.4

59 10.8 8.2 12.2

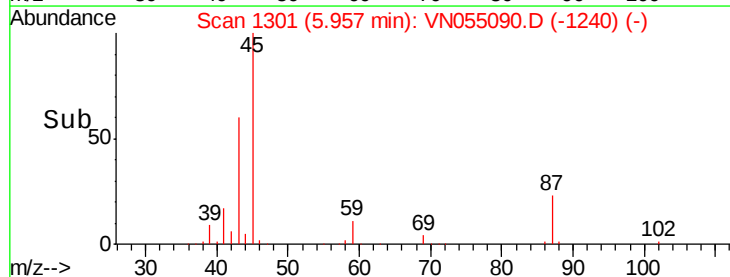
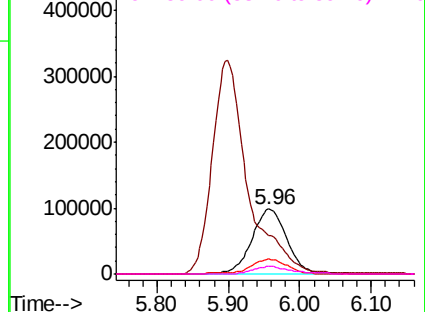


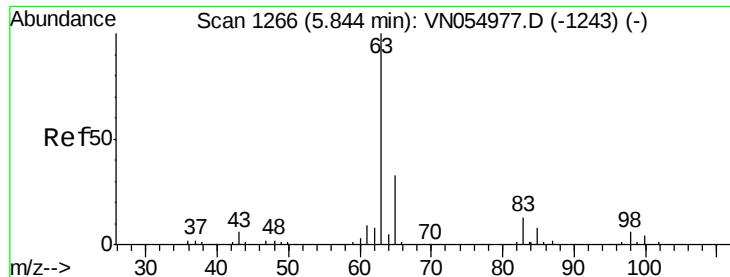
Abundance Ion 45.00 (44.70 to 45.70): VN055090.D (-1240) (-)

Ion 43.00 (42.70 to 43.70): VN055090.D (-1240) (-)

Ion 87.00 (86.70 to 87.70): VN055090.D (-1240) (-)

Ion 59.00 (58.70 to 59.70): VN055090.D (-1240) (-)

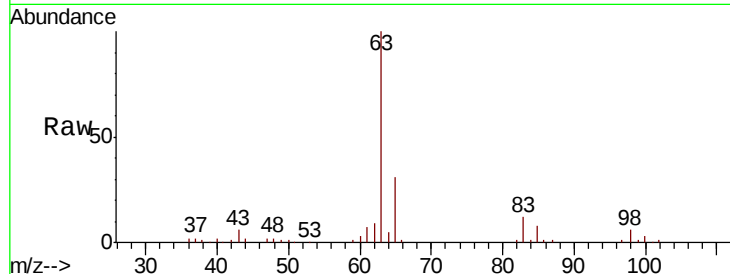




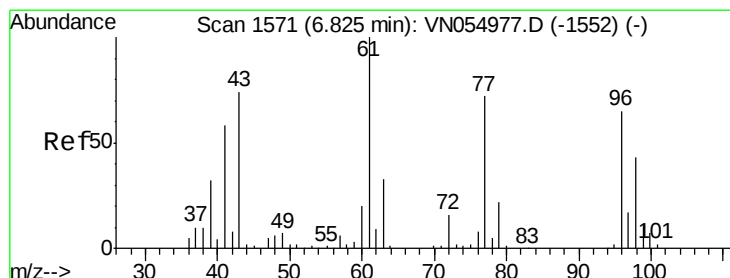
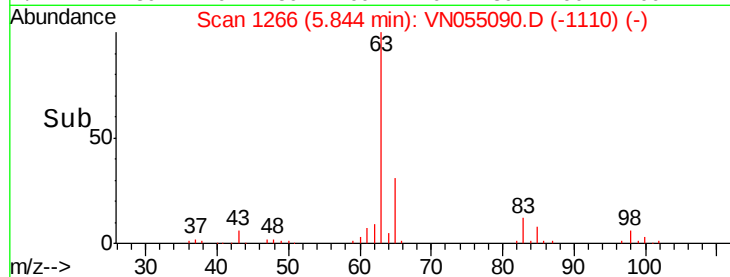
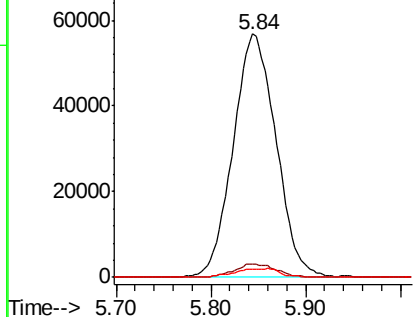
#21
 1,1-Dichloroethane
 Concen: 21.074 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 178982
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.7
 100 3.4 2.0 5.8

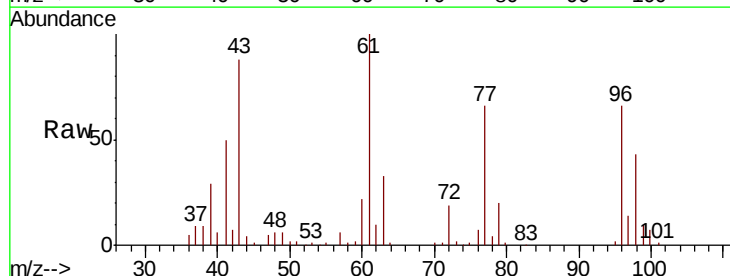


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

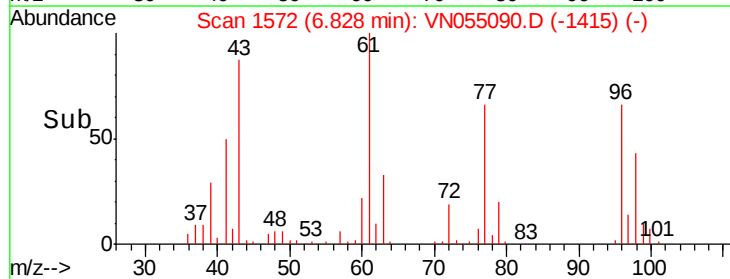
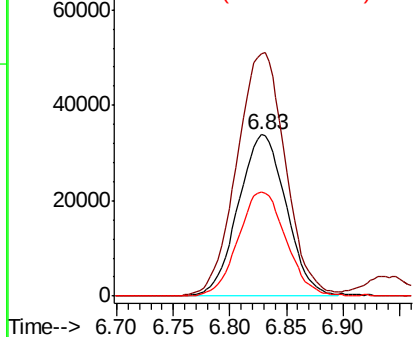


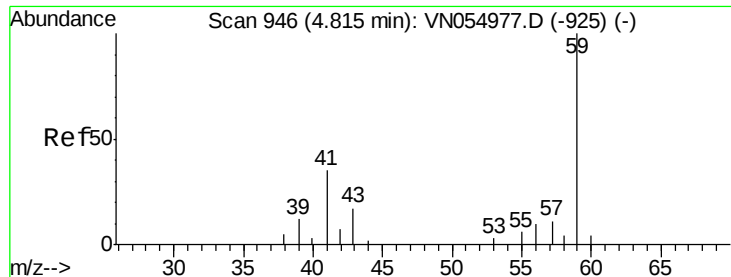
#22
 cis-1,2-Dichloroethene
 Concen: 20.698 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 96 Resp: 99815
 Ion Ratio Lower Upper
 96 100
 61 153.0 125.0 187.6
 98 64.1 52.2 78.2



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



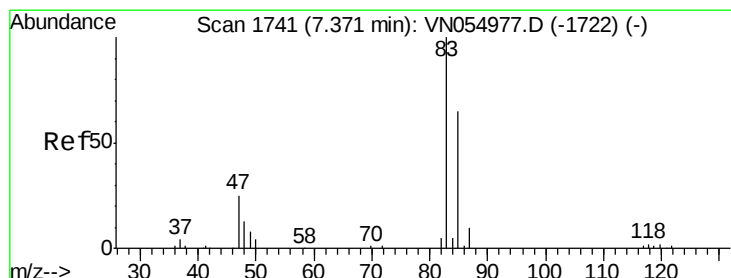
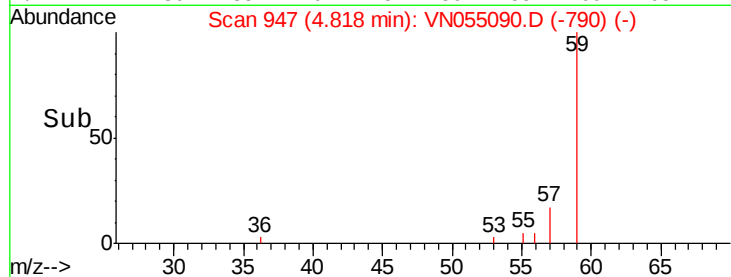
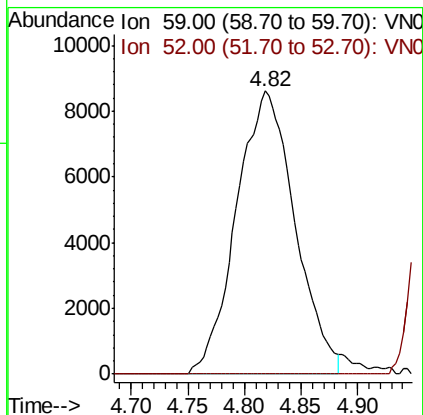
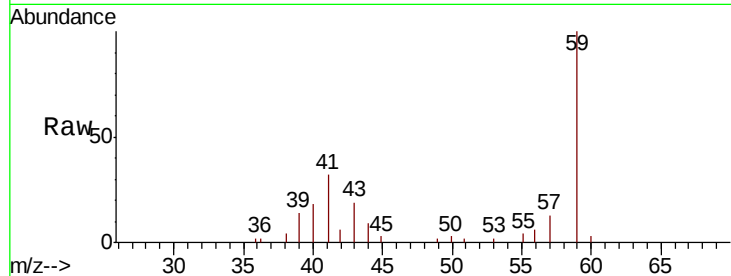


#23

tert-Butyl Alcohol
 Concen: 120.714 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

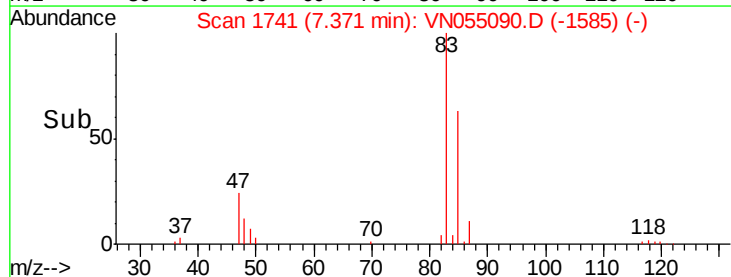
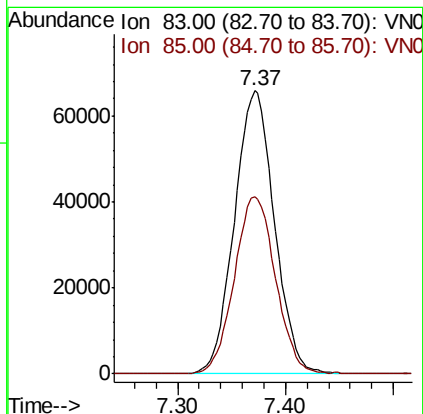
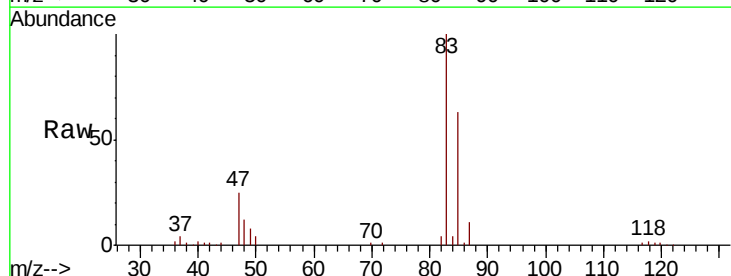
Tot Ion: 59 Resp: 30915
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

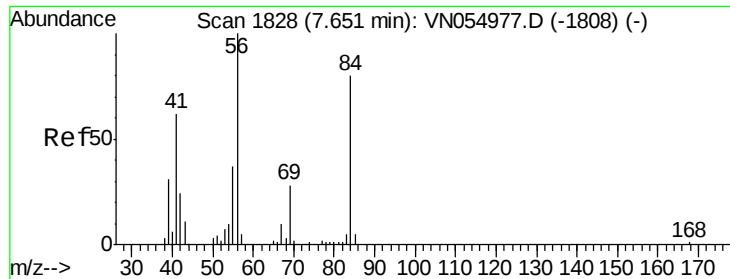


#25

Chloroform
 Concen: 20.847 ug/l
 RT: 7.37 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 83 Resp: 169595
 Ion Ratio Lower Upper
 83 100
 85 62.8 51.8 77.8

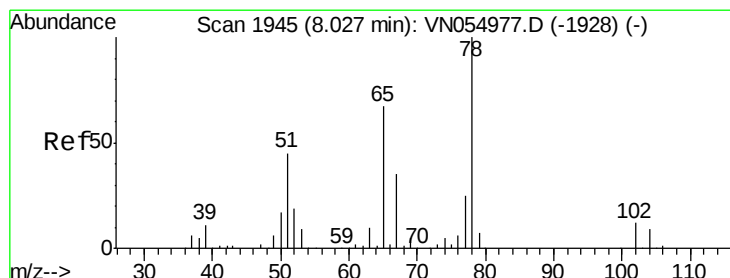
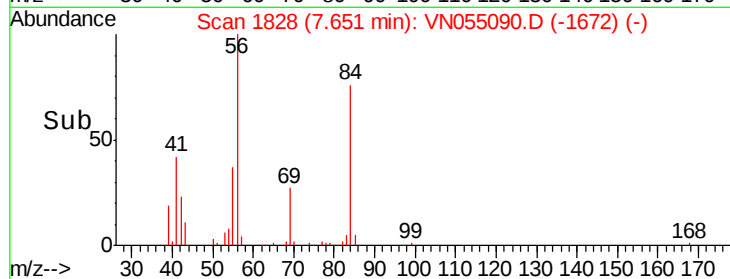
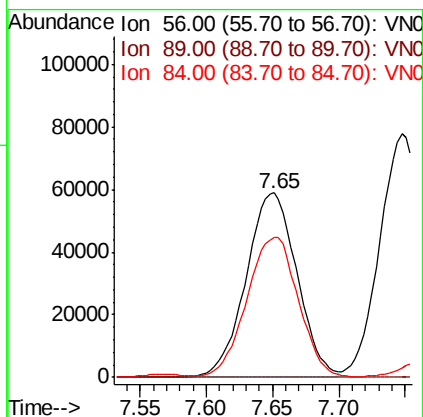
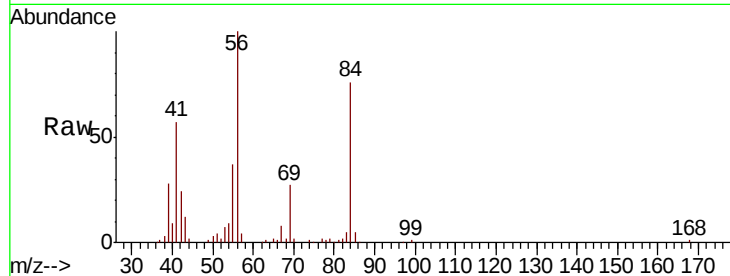




#26
Cyclohexane
Concen: 19.914 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

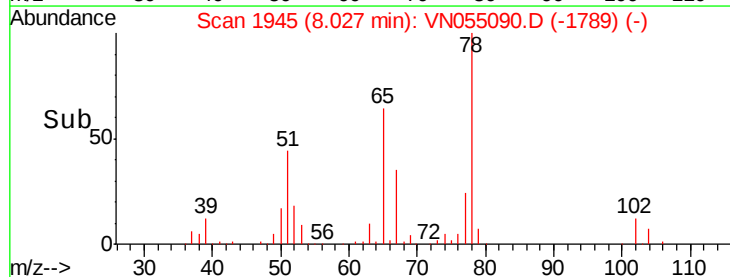
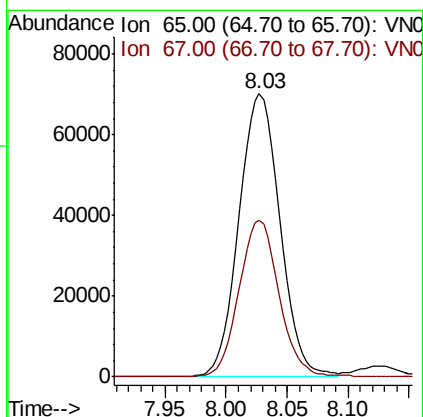
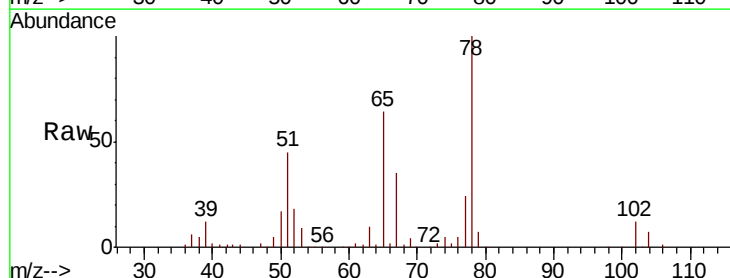
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

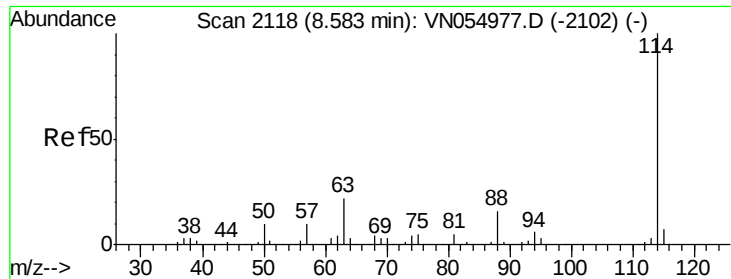
Tot Ion: 56 Resp: 156927
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.3 63.5 95.3



#27
1,2-Dichloroethane-d4
Concen: 19.914 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 65 Resp: 163376
Ion Ratio Lower Upper
65 100
67 53.8 41.8 62.8

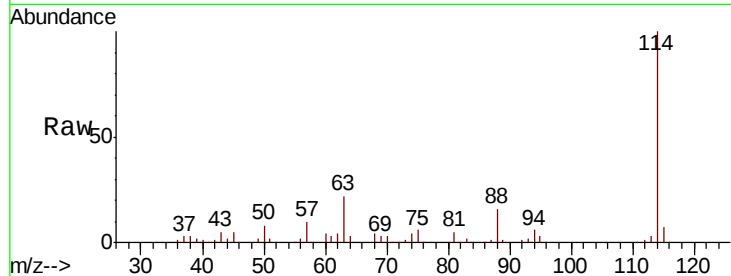




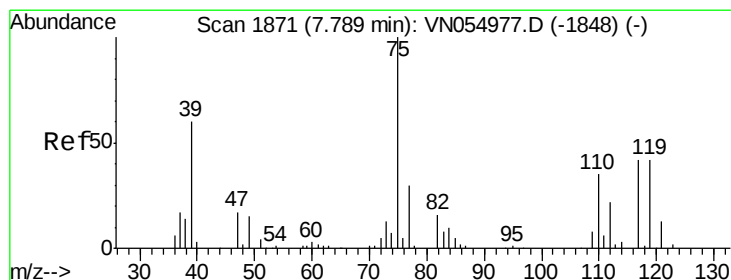
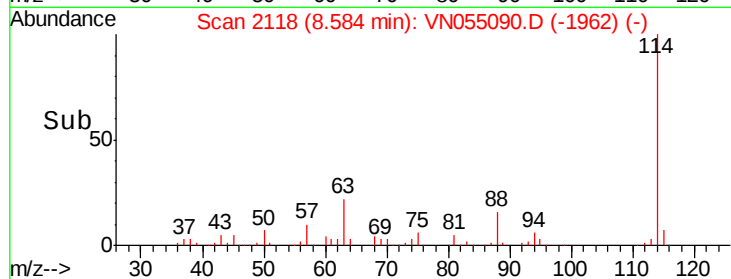
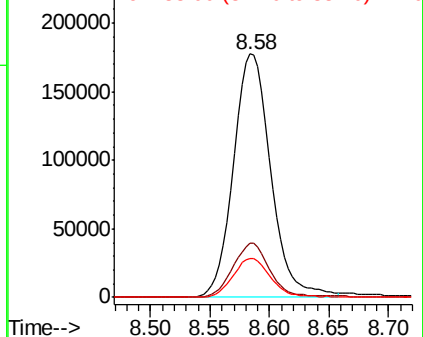
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:114 Resp: 387873
 Ion Ratio Lower Upper
 114 100
 63 22.0 17.0 25.4
 88 15.9 12.3 18.5

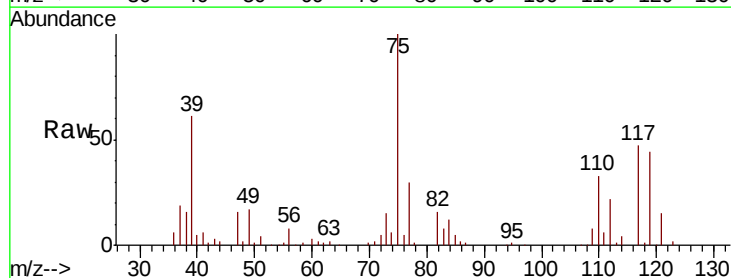


Abundance Ion 114.00 (113.70 to 114.70): VN054977.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN054977.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN054977.D (-2102) (-)

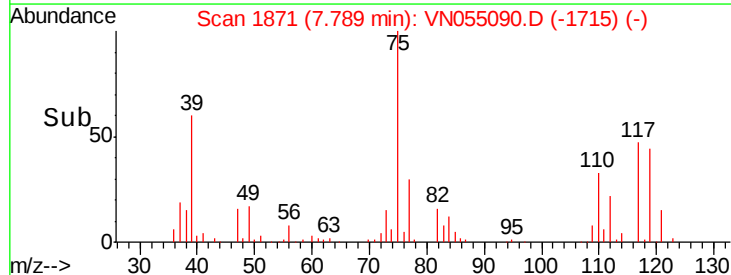
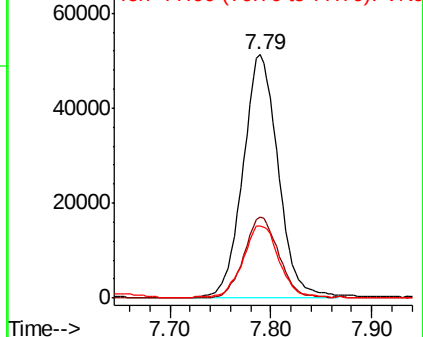


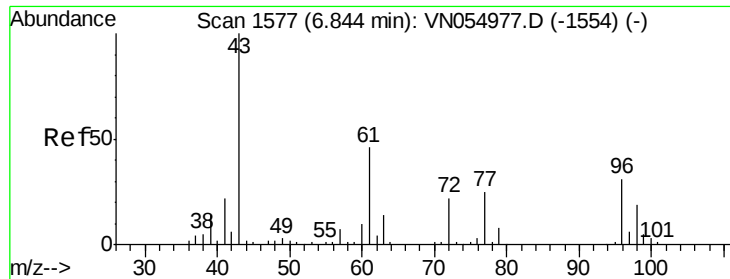
#29
 1,1-Dichloropropene
 Concen: 20.560 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 75 Resp: 124195
 Ion Ratio Lower Upper
 75 100
 110 32.9 0.0 68.4
 77 30.6 0.0 58.6



Abundance Ion 75.00 (74.70 to 75.70): VN054977.D (-1848) (-)
 Ion 110.00 (109.70 to 110.70): VN054977.D (-1848) (-)
 Ion 77.00 (76.70 to 77.70): VN054977.D (-1848) (-)

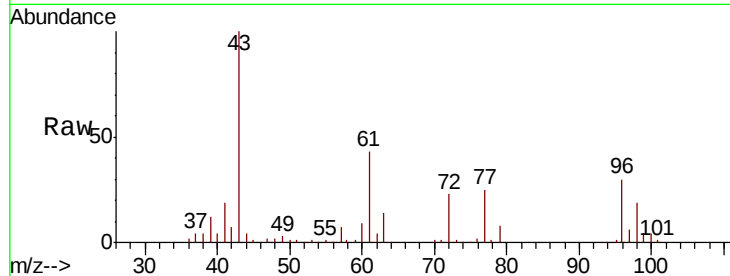




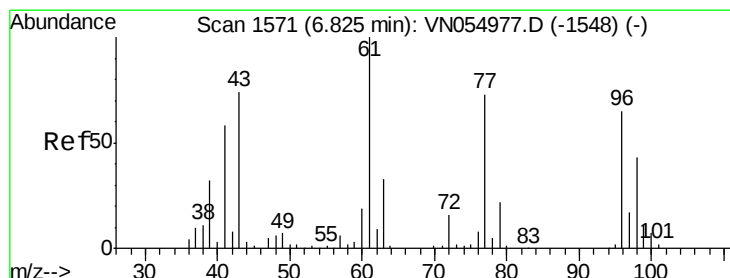
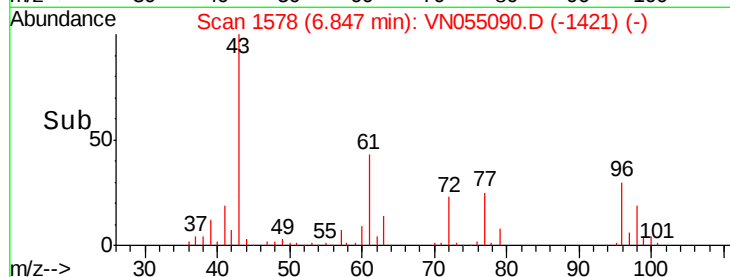
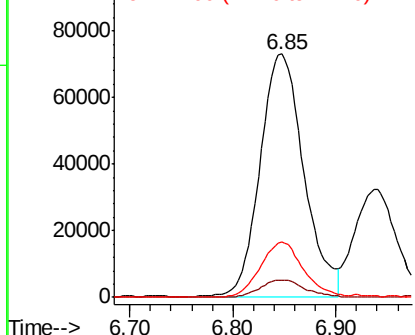
#30
2-Butanone
Concen: 106.989 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 214529
Ion Ratio Lower Upper
43 100
57 7.4 6.0 9.0
72 22.4 18.6 27.8

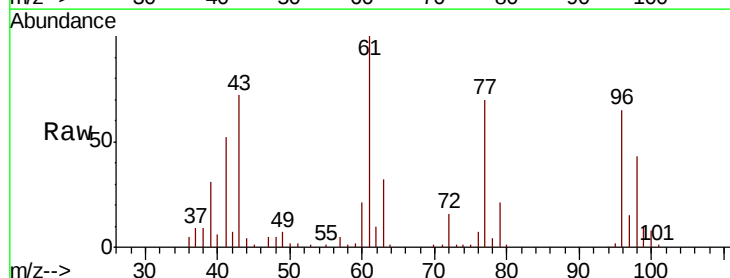


Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 57.00 (56.70 to 57.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

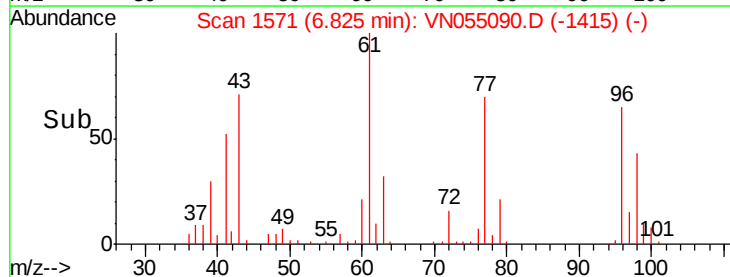
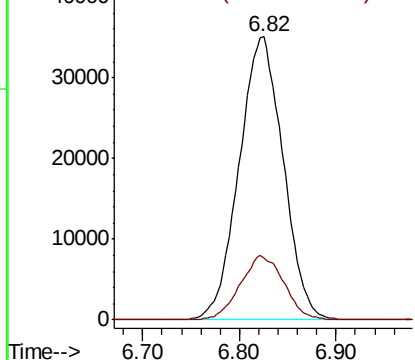


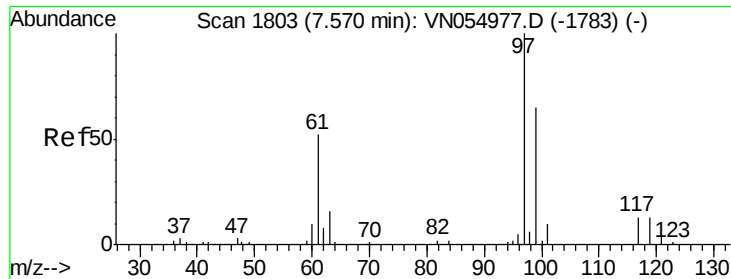
#31
2,2-Dichloropropane
Concen: 19.963 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 77 Resp: 110989
Ion Ratio Lower Upper
77 100
97 22.5 0.0 0.0#



Abundance Ion 77.00 (76.70 to 77.70): VNO
Ion 97.00 (96.70 to 97.70): VNO

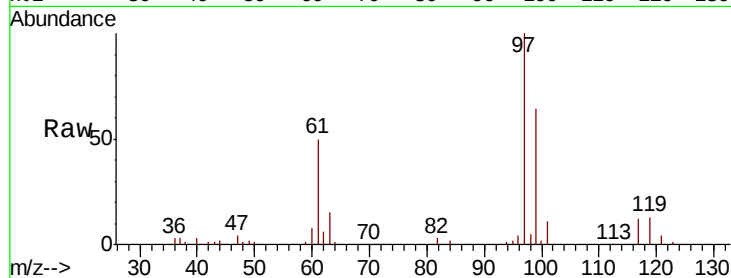




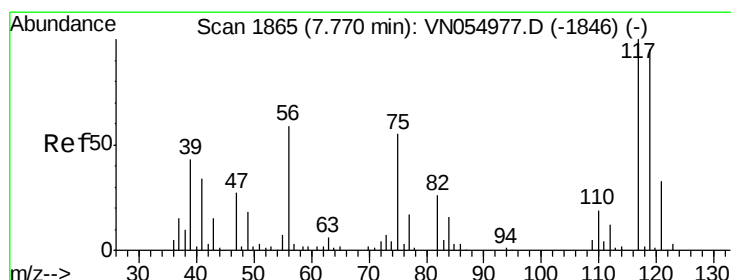
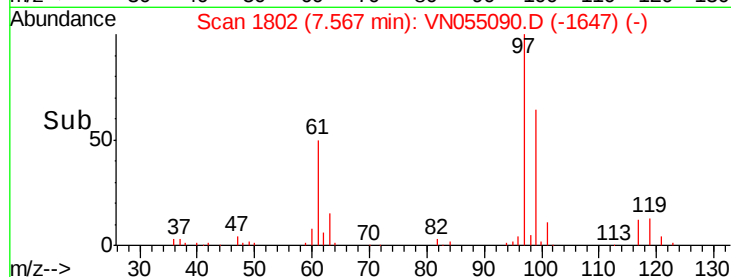
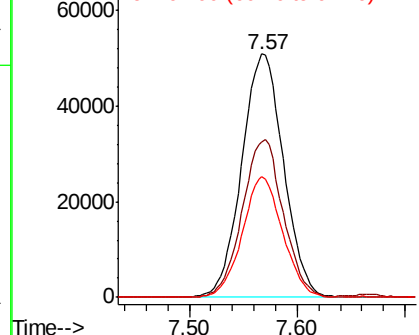
#32
 1,1,1-Trichloroethane
 Concen: 21.485 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 97 Resp: 137182
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.2 76.8
 61 47.8 40.6 60.8

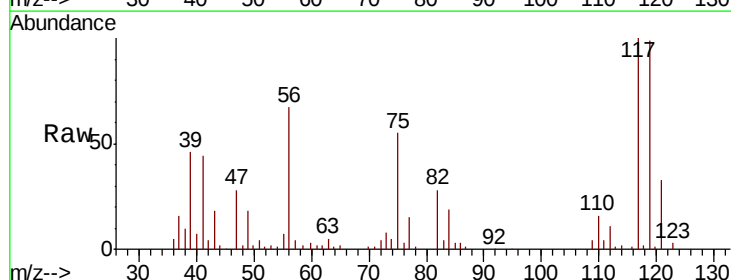


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 99.00 (98.70 to 99.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0

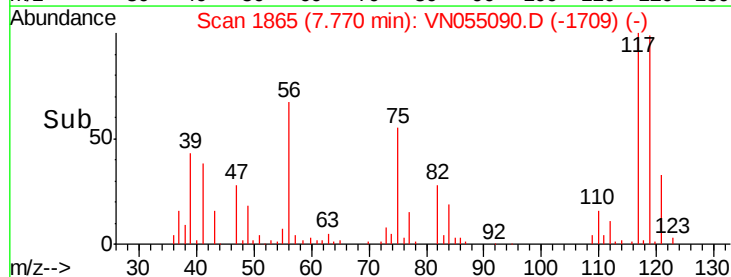
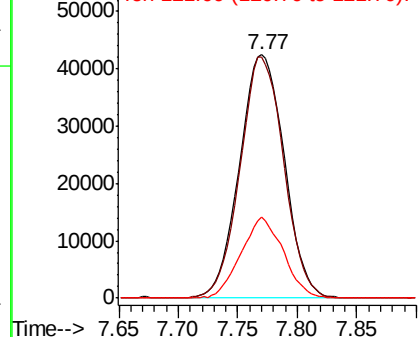


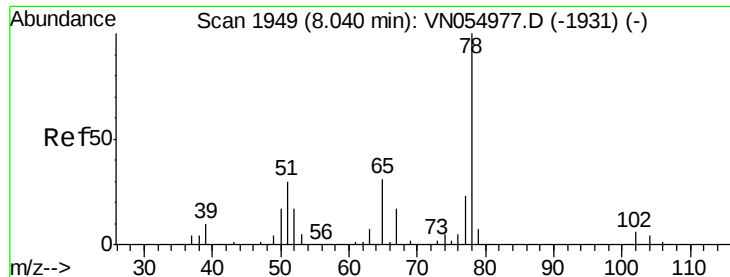
#33
 Carbon Tetrachloride
 Concen: 20.026 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 117 Resp: 110700
 Ion Ratio Lower Upper
 117 100
 119 98.5 76.1 114.1
 121 33.1 26.2 39.4



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

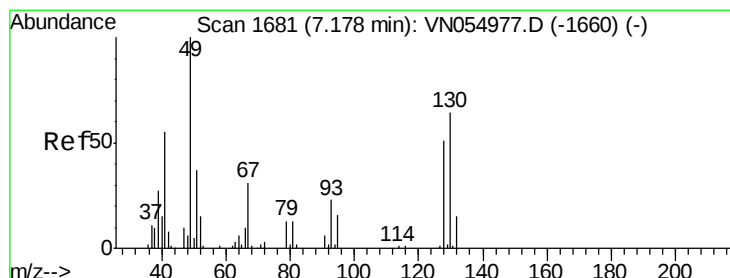
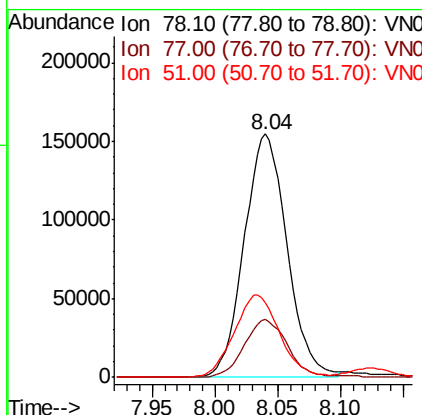
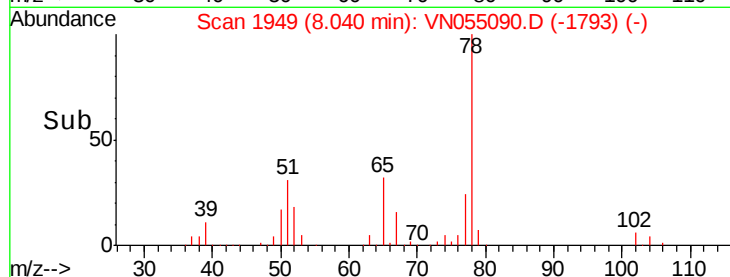
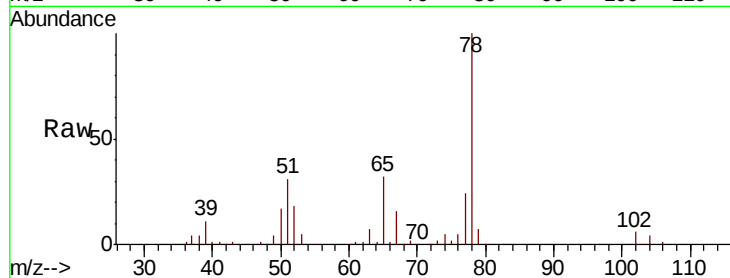




#34
Benzene
Concen: 20.518 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

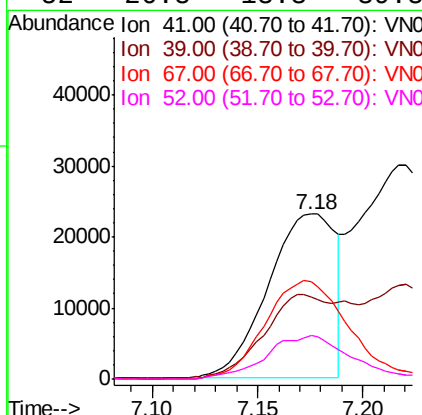
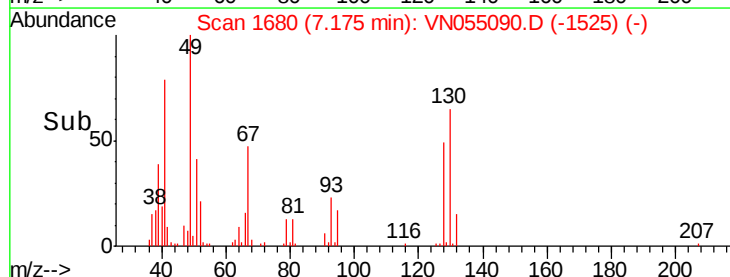
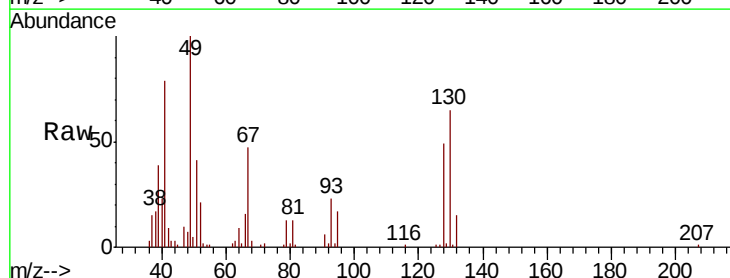
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

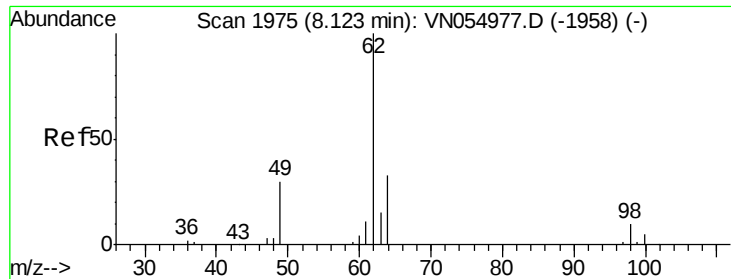
Tot Ion: 78 Resp: 367295
Ion Ratio Lower Upper
78 100
77 23.8 18.2 27.4
51 30.5 23.7 35.5



#35
Methacrylonitrile
Concen: 21.557 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 41 Resp: 50946
Ion Ratio Lower Upper
41 100
39 49.1 24.2 72.6
67 59.6 28.1 84.2
52 26.8 13.3 39.8

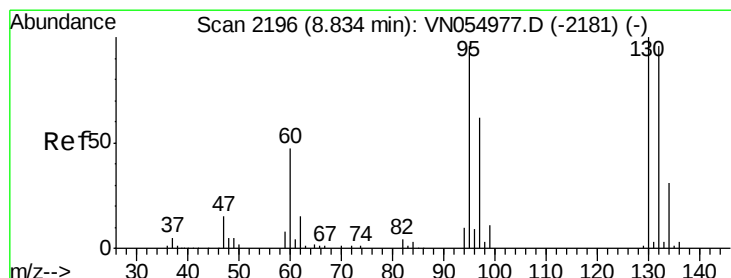
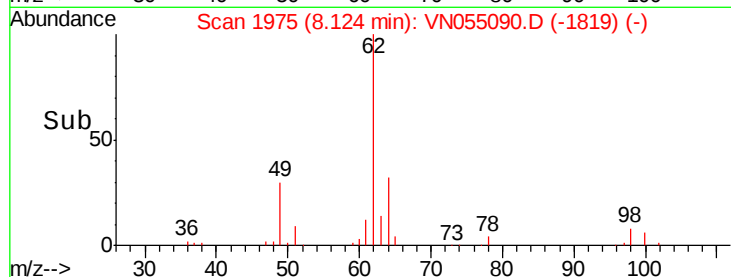
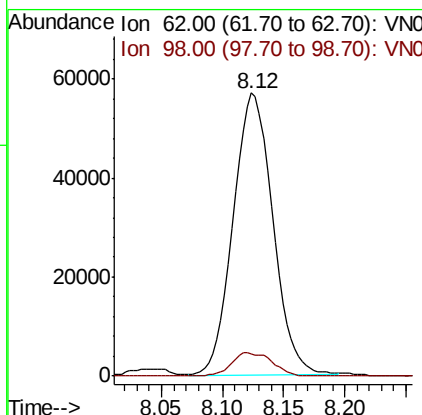
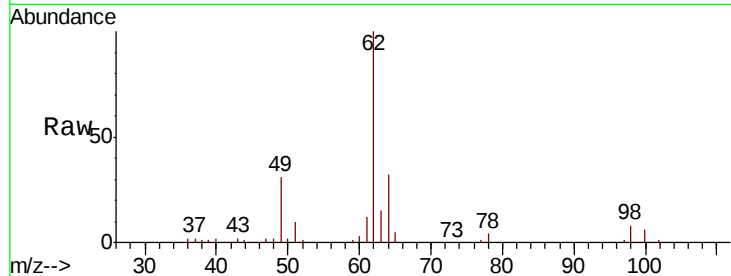




#36
 1,2-Dichloroethane
 Concen: 20.972 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

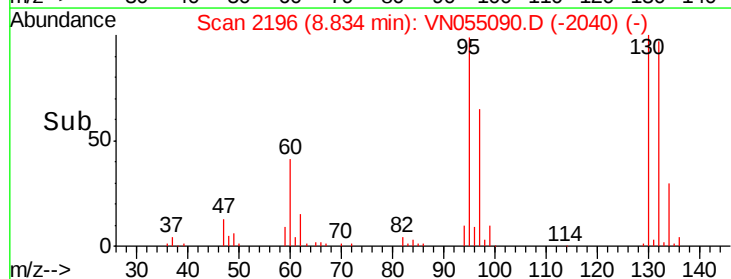
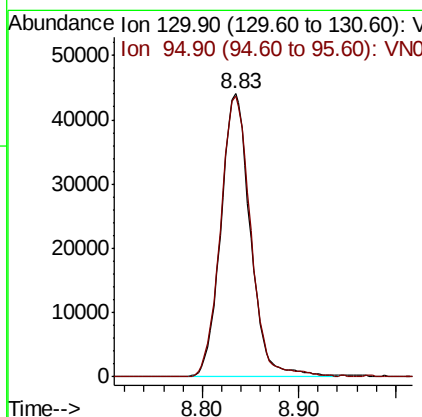
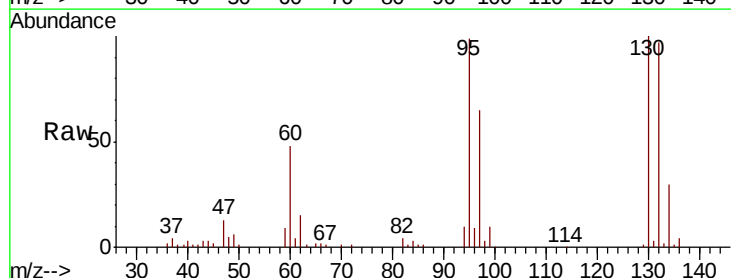
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

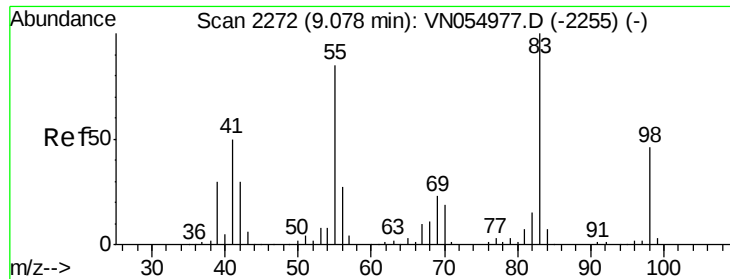
Tot Ion: 62 Resp: 128305
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3



#37
 Trichloroethene
 Concen: 20.481 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion:130 Resp: 93463
 Ion Ratio Lower Upper
 130 100
 95 99.3 76.6 115.0

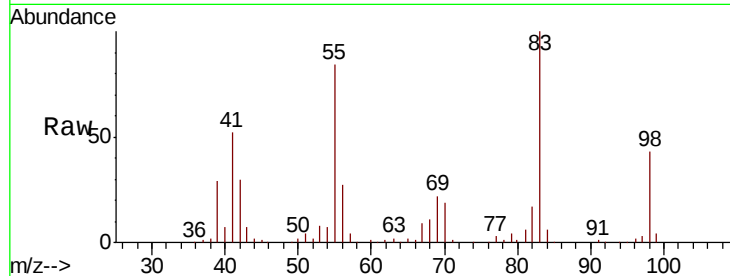




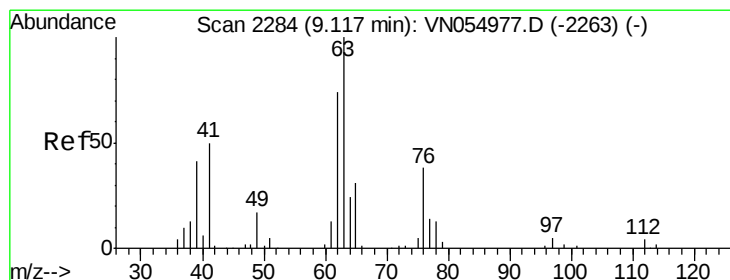
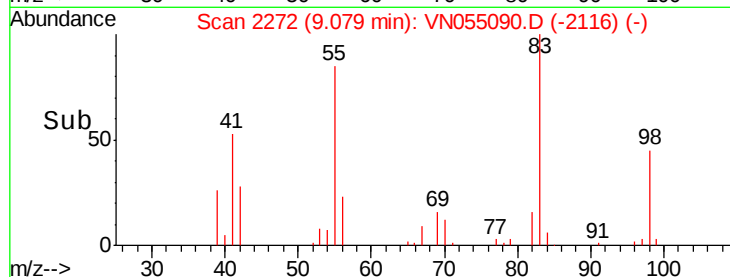
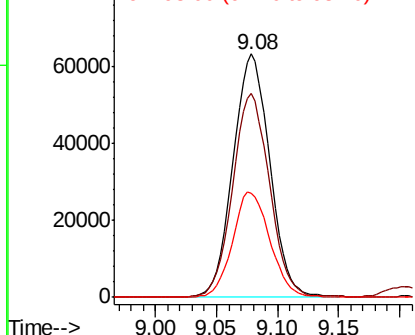
#38
Methvlcvclohexane
Concen: 18.889 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 132324
Ion Ratio Lower Upper
83 100
55 84.5 41.9 125.6
98 43.8 22.4 67.0

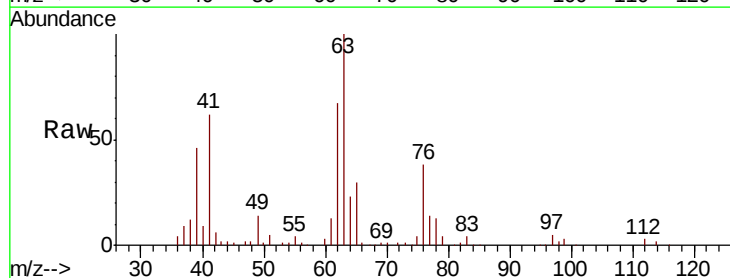


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

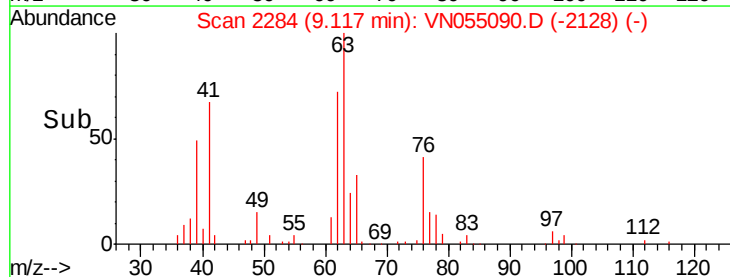
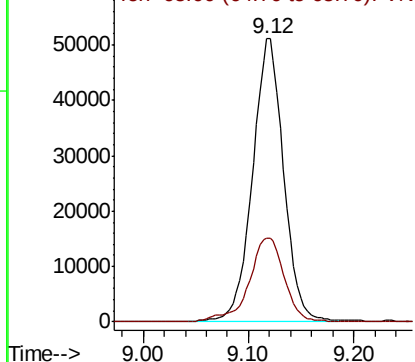


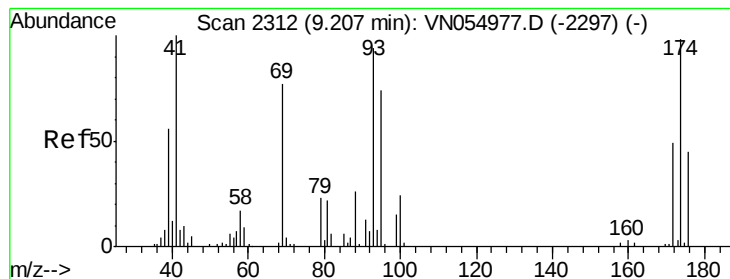
#39
1,2-Dichloropropane
Concen: 21.303 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 63 Resp: 105300
Ion Ratio Lower Upper
63 100
65 29.7 24.8 37.2



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0





#40

Dibromomethane

Concen: 21.701 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

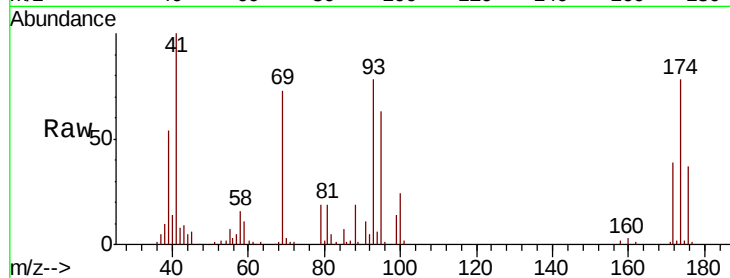
Tot Ion: 93 Resp: 60629

Ion Ratio Lower Upper

93 100

95 83.5 0.0 160.8

174 101.9 0.0 206.4

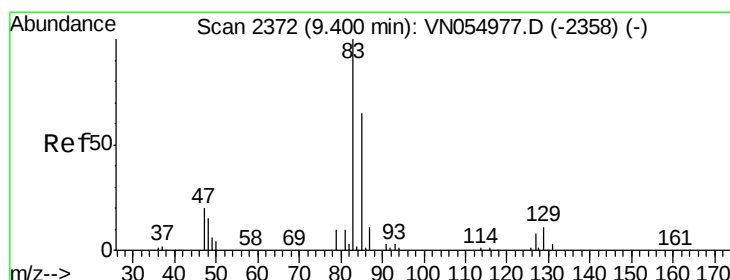
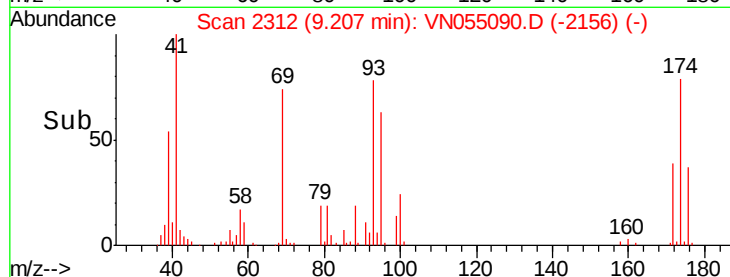
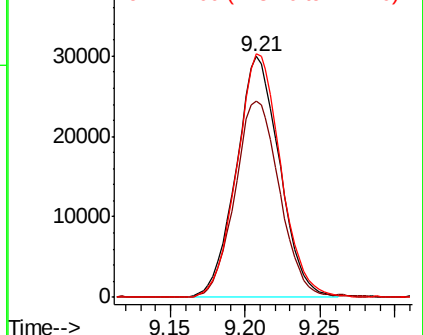


Abundance

Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 20.102 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

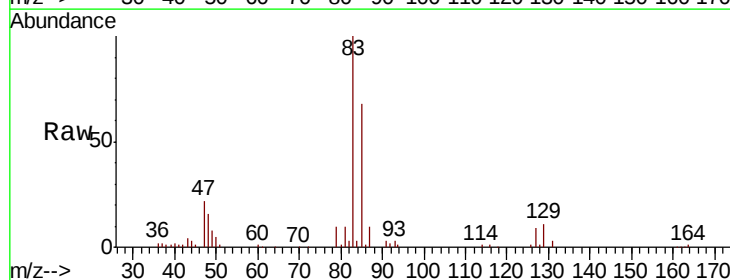
Tgt Ion: 83 Resp: 115912

Ion Ratio Lower Upper

83 100

85 67.7 52.0 78.0

127 8.9 7.2 10.8

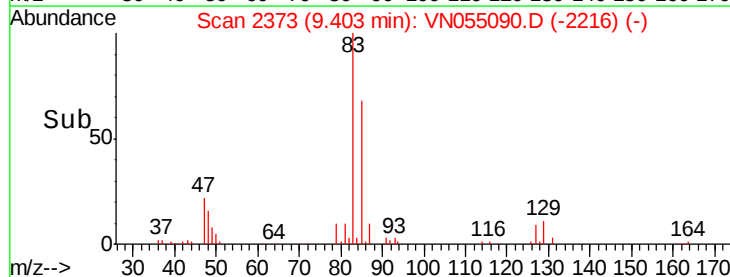
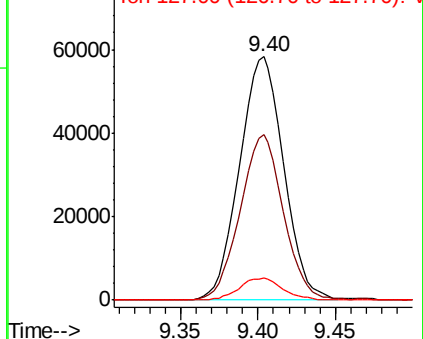


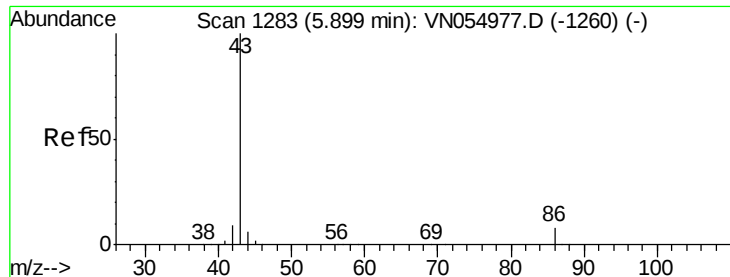
Abundance

Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V





#42

Vinyl Acetate

Concen: 110.363 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

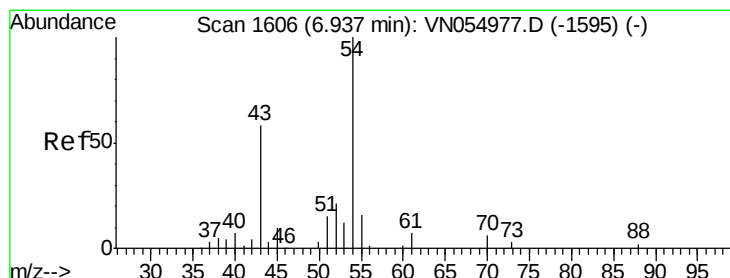
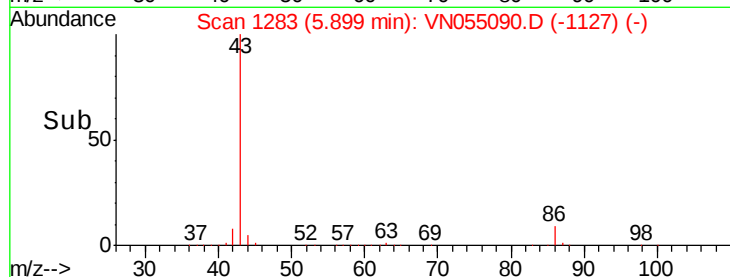
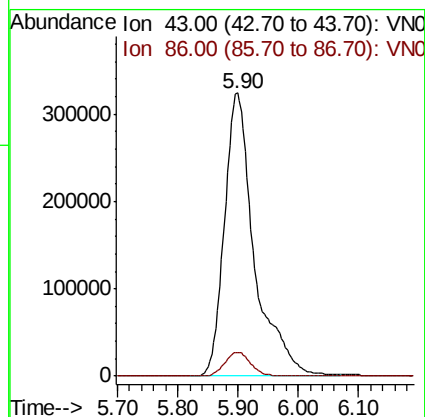
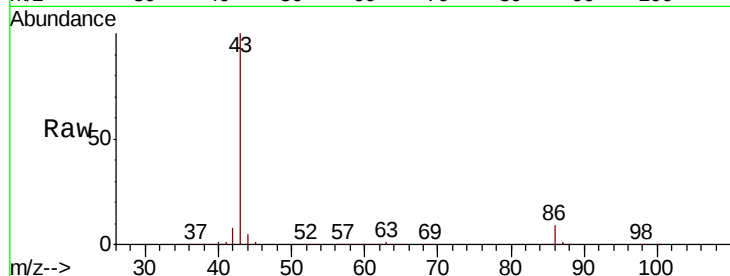
VSTDCCC020EC

Tot Ion: 43 Resp: 1118757

Ion Ratio Lower Upper

43 100

86 7.4 5.7 8.5



#43

Ethyl Acetate

Concen: 22.172 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN055090.D

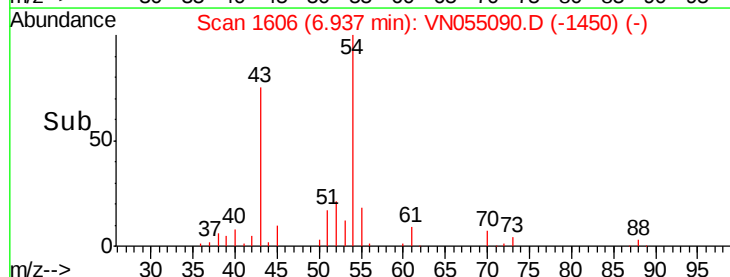
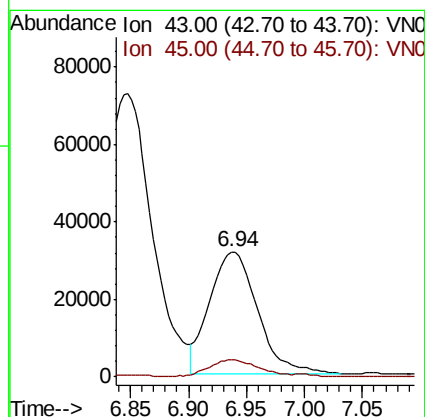
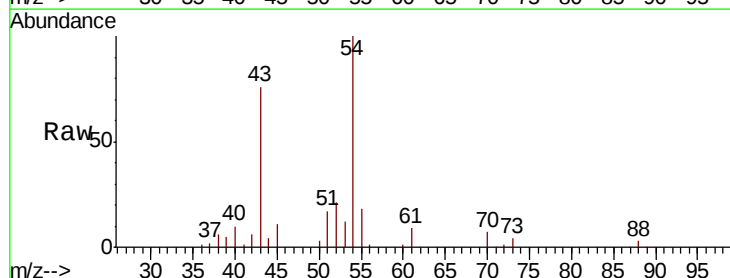
Acq: 16 Apr 2019 20:23

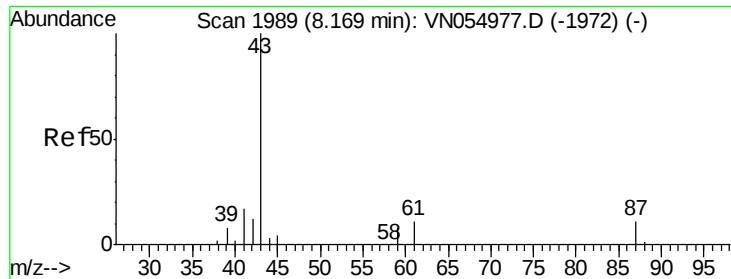
Tgt Ion: 43 Resp: 90570

Ion Ratio Lower Upper

43 100

45 13.2 10.6 15.8





#44

Isopropyl Acetate

Concen: 22.583 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

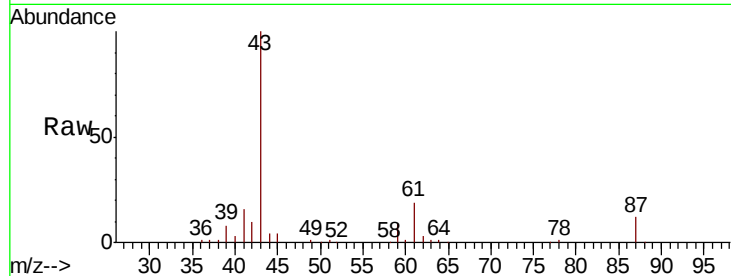
VSTDCCC020EC

Tot Ion: 43 Resp: 156334

Ion Ratio Lower Upper

43 100

61 18.7 14.8 22.2



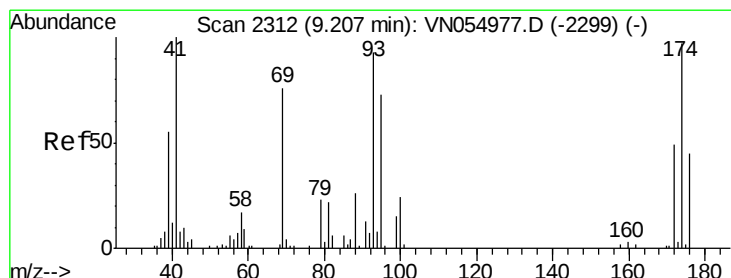
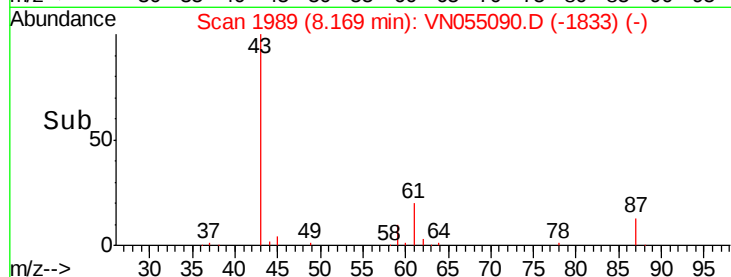
Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1972) (-)

8.17

8.10 8.15 8.20 8.25

Time-->



#45

1,4-Dioxane

Concen: 423.754 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

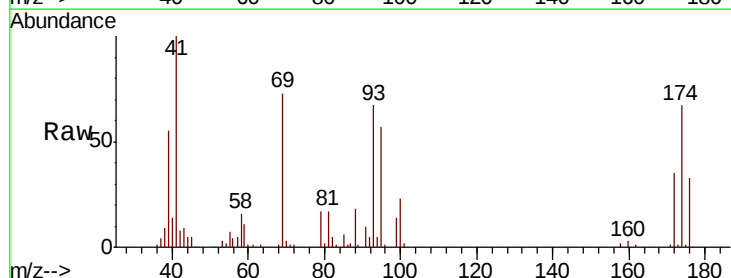
Tgt Ion: 88 Resp: 16252

Ion Ratio Lower Upper

88 100

43 38.3 34.5 51.7

58 79.3 60.3 90.5



Abundance Ion 88.00 (87.70 to 88.70): VN054977.D (-2299) (-)

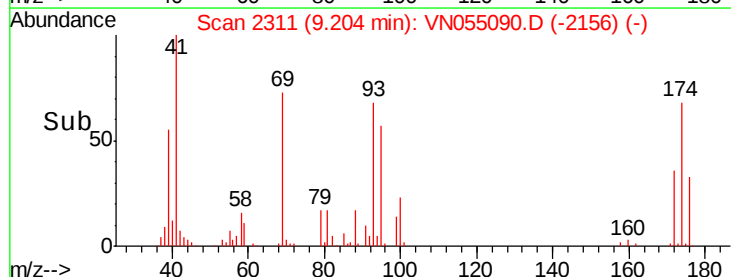
Ion 43.00 (42.70 to 43.70): VN054977.D (-2299) (-)

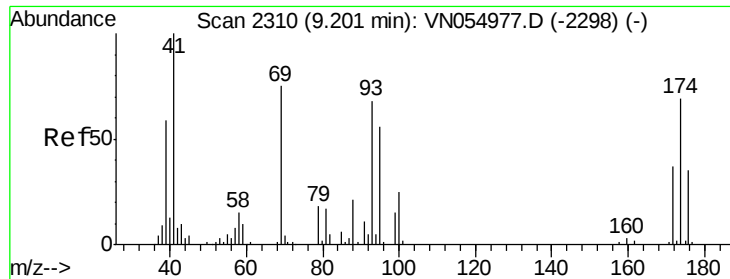
Ion 58.00 (57.70 to 58.70): VN054977.D (-2299) (-)

9.20

9.15 9.20 9.25 9.30

Time-->

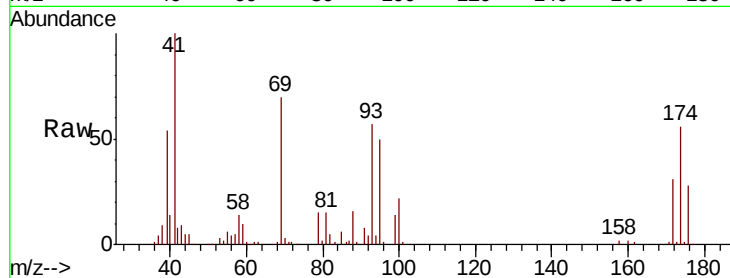




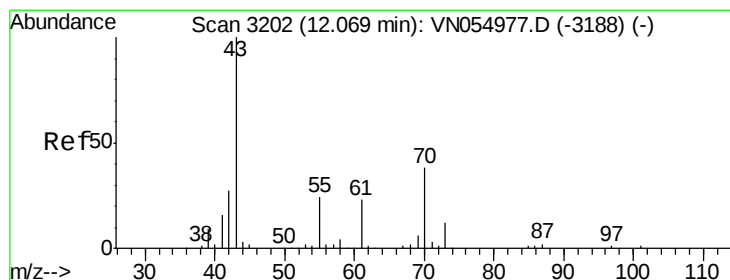
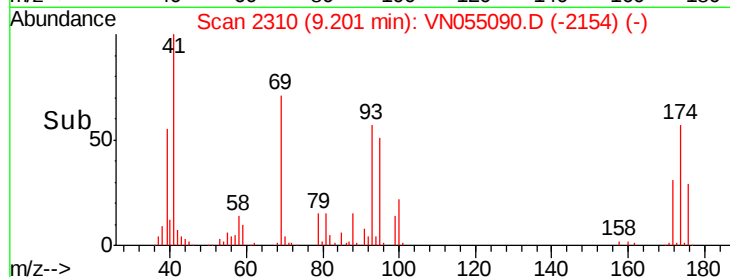
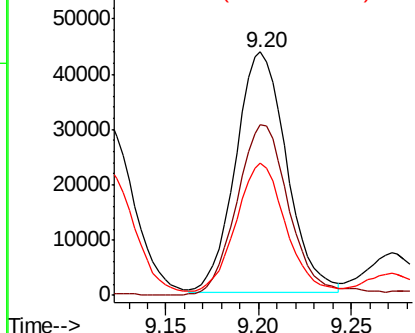
#46
Methyl methacrylate
Concen: 23.277 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 83359
Ion Ratio Lower Upper
41 100
69 71.3 37.3 111.9
39 54.1 29.4 88.2

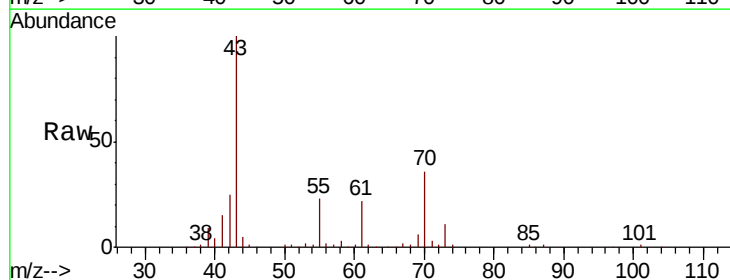


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

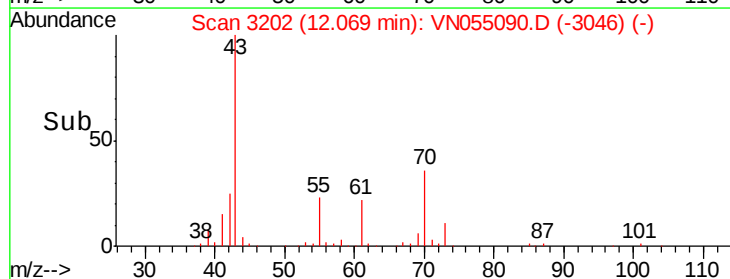
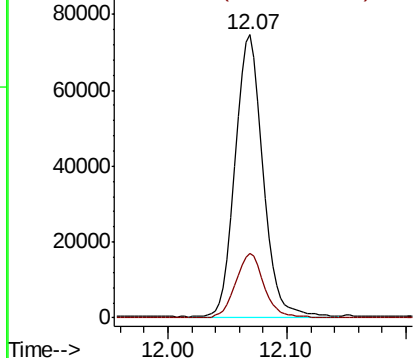


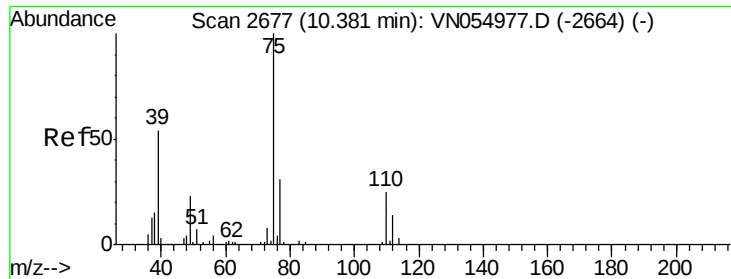
#47
n-ethyl Acetate
Concen: 23.629 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 43 Resp: 120480
Ion Ratio Lower Upper
43 100
55 23.6 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

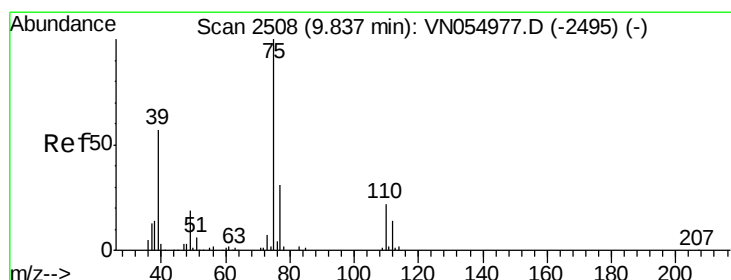
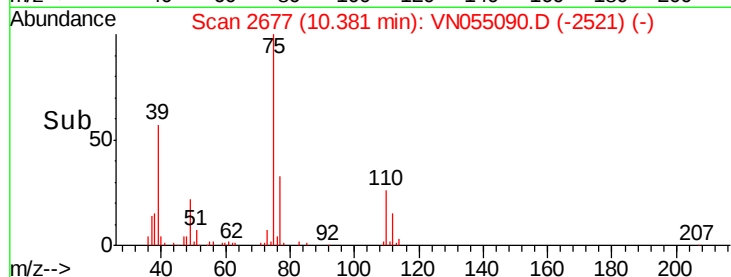
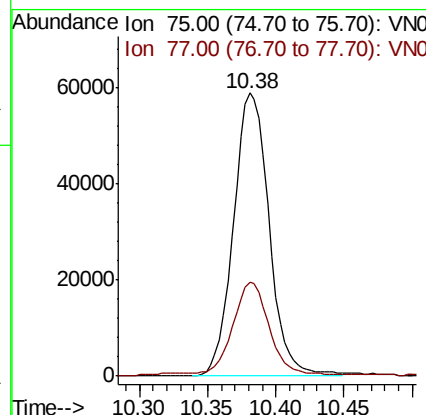
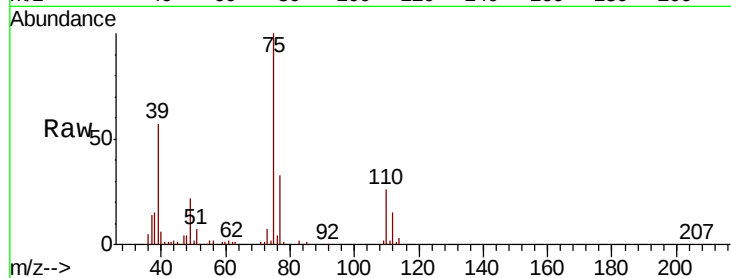




#48
t-1,3-Dichloropropene
Concen: 20.244 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

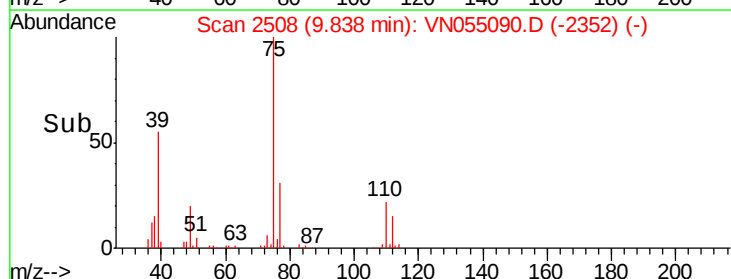
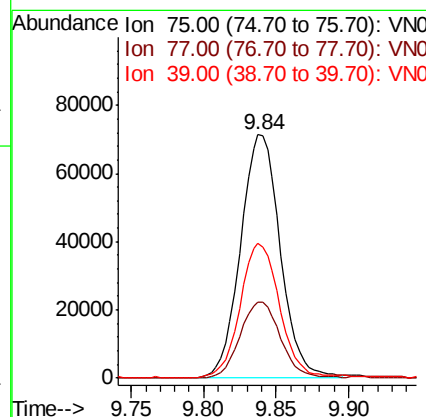
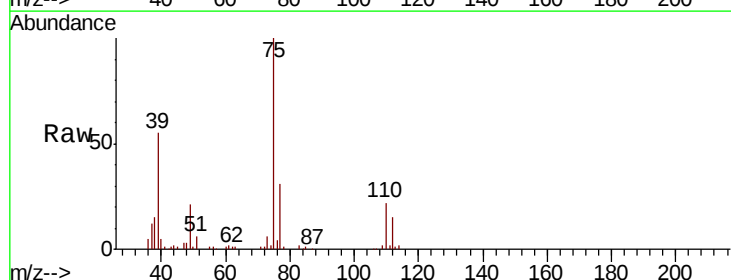
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

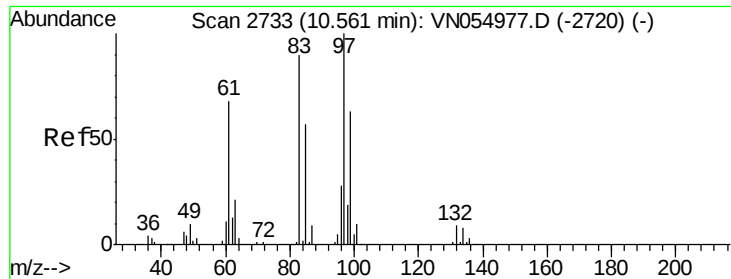
Tot Ion: 75 Resp: 107191
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0



#49
cis-1,3-Dichloropropene
Concen: 20.823 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 75 Resp: 136116
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1
39 55.1 45.3 67.9



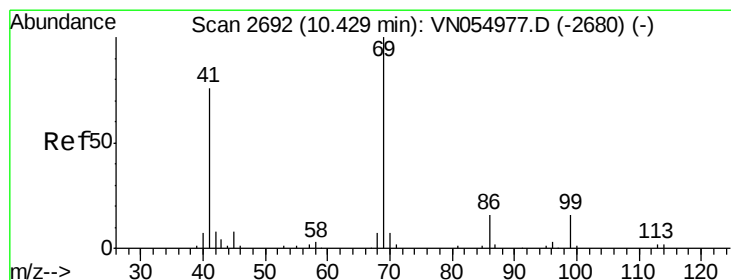
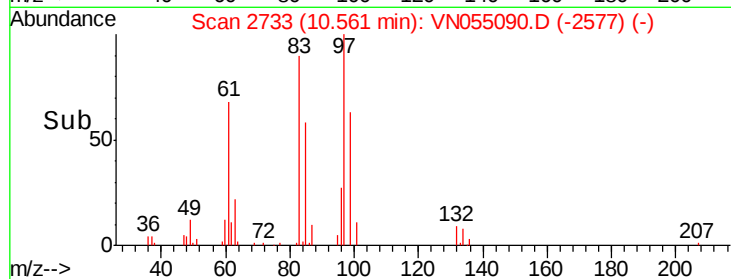
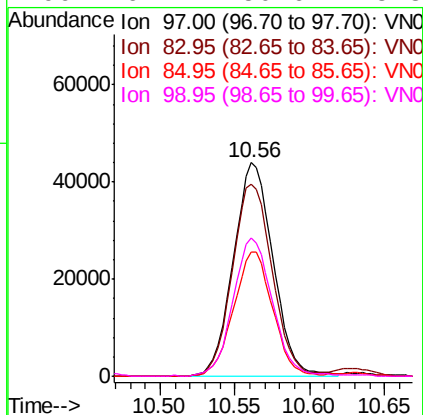
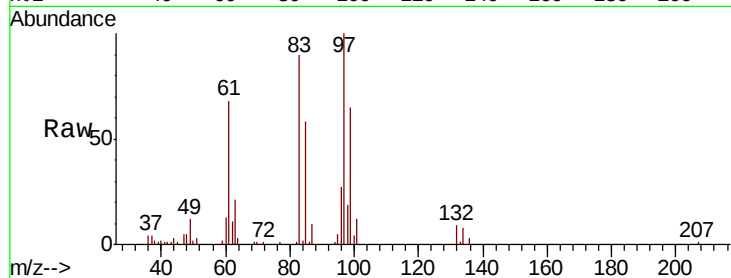


#50
 1,1,2-Trichloroethane
 Concen: 21.449 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 97 Resp: 81393

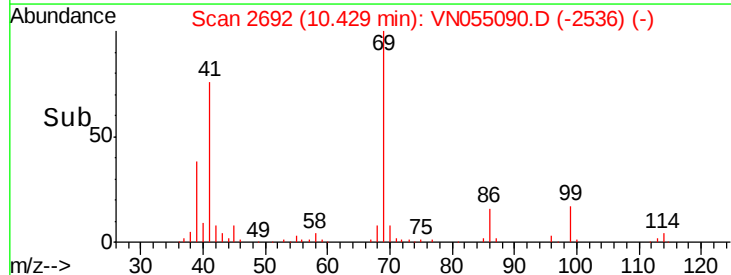
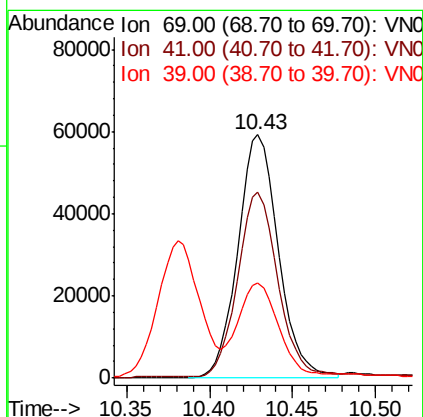
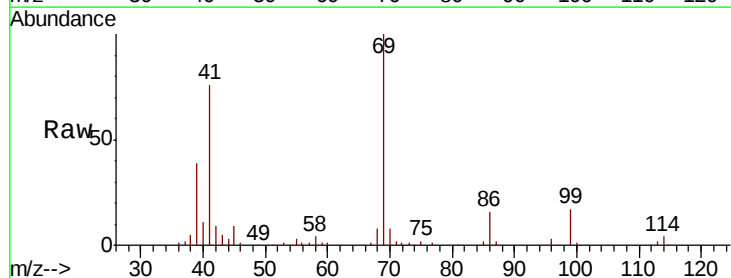
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.1	108.1
85	58.1	45.4	68.0
99	64.7	50.6	75.8

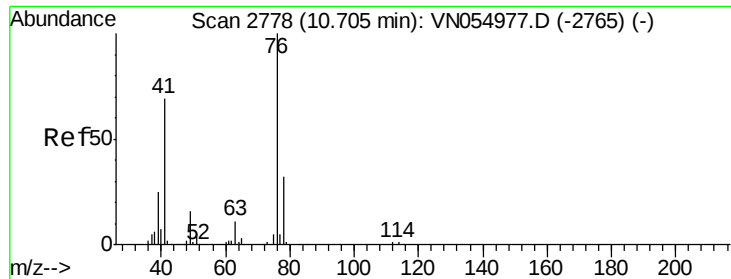


#51
 Ethyl methacrylate
 Concen: 22.293 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 69 Resp: 100843

Ion	Ratio	Lower	Upper
69	100		
41	75.7	37.9	113.7
39	37.6	19.8	59.4





#52

1,3-Dichloropropane

Concen: 21.842 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

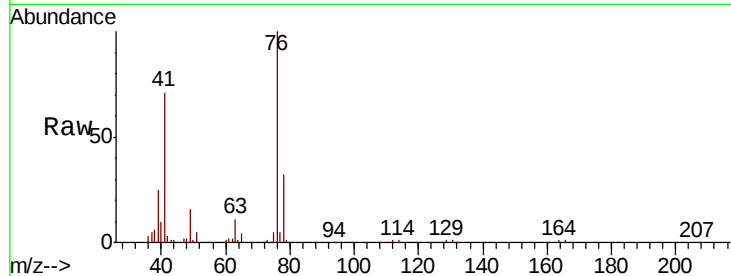
VSTDCCC020EC

Tot Ion: 76 Resp: 145237

Ion Ratio Lower Upper

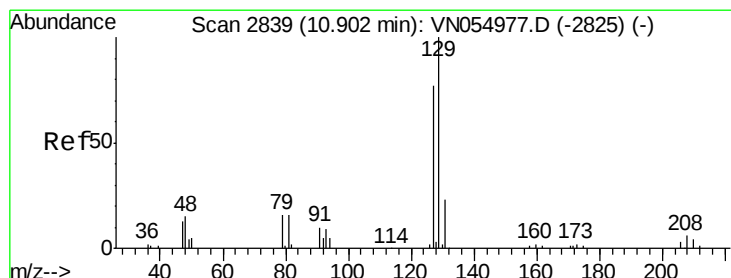
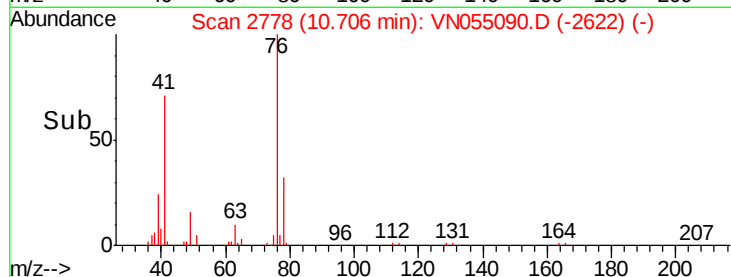
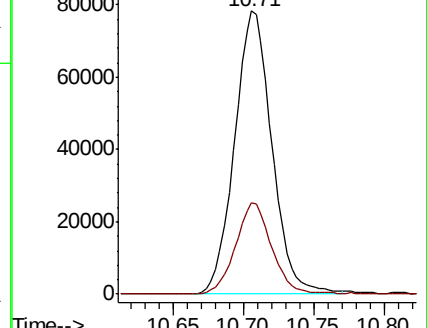
76 100

78 31.3 0.0 64.4



Abundance Ion 76.00 (75.70 to 76.70): VN054977.D (-2765) (-)

Ion 78.00 (77.70 to 78.70): VN054977.D (-2765) (-)



#53

Dibromochloromethane

Concen: 20.547 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055090.D

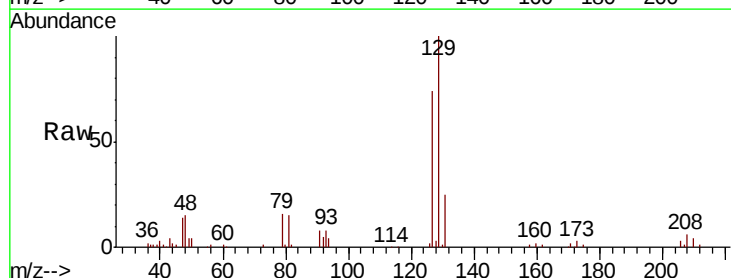
Acq: 16 Apr 2019 20:23

Tgt Ion: 129 Resp: 80316

Ion Ratio Lower Upper

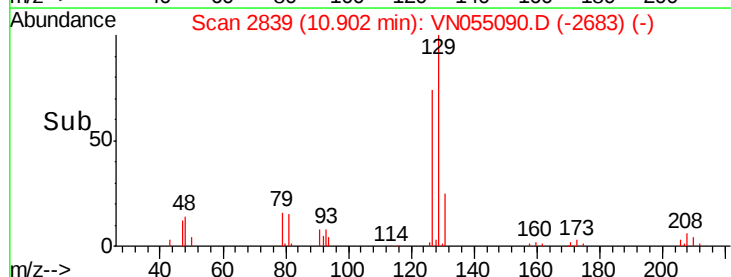
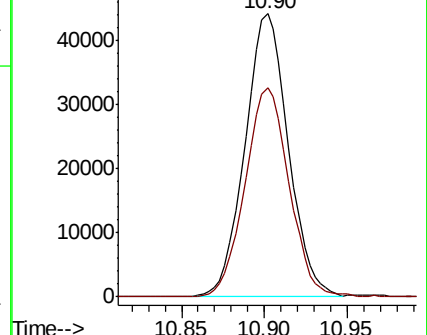
129 100

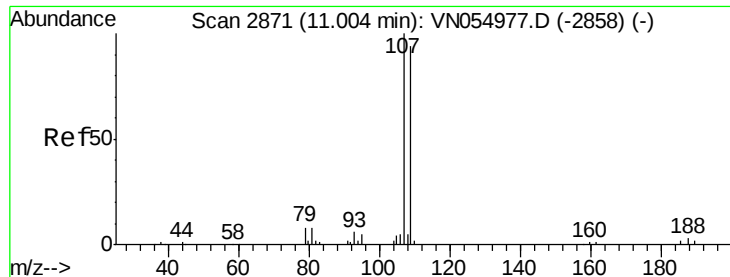
127 74.7 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): VN054977.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN054977.D (-2825) (-)

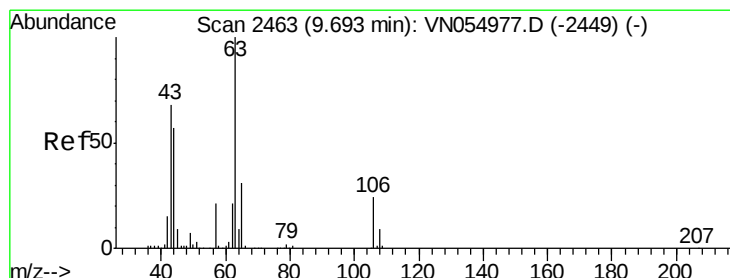
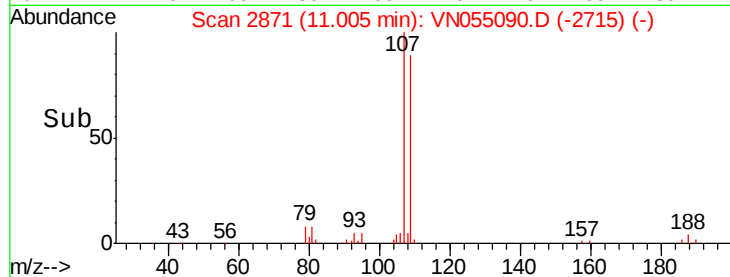
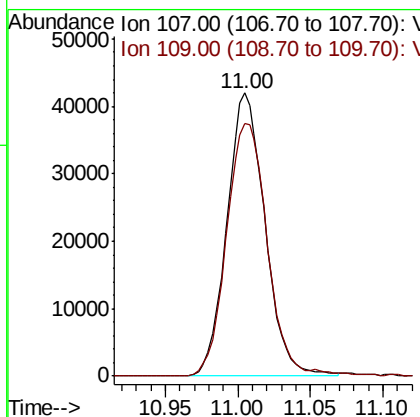
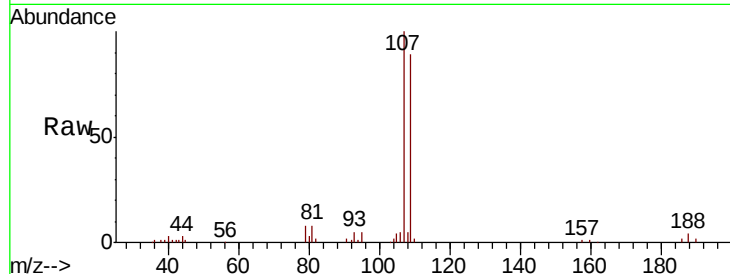




#54
 1,2-Dibromoethane
 Concen: 21.510 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

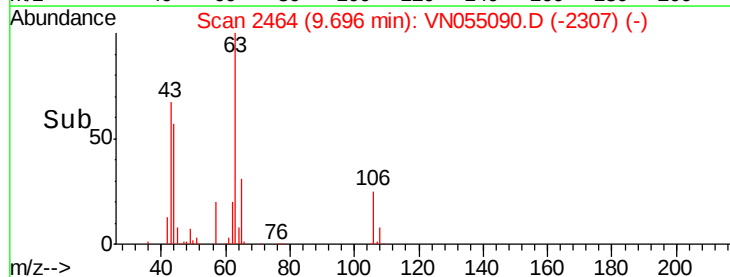
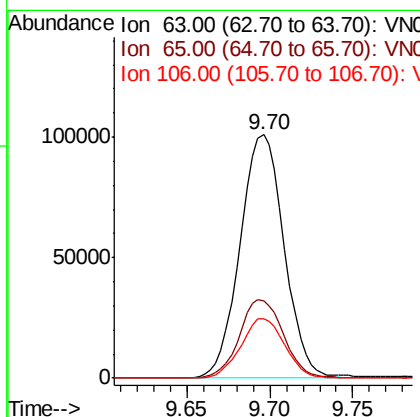
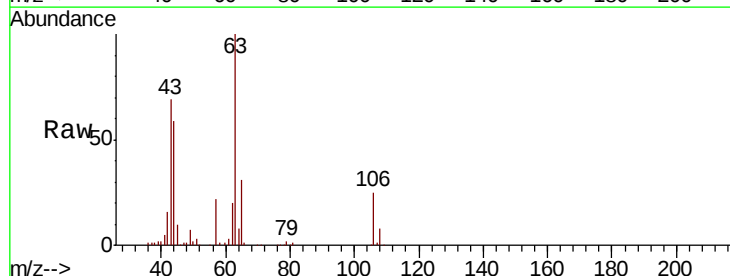
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

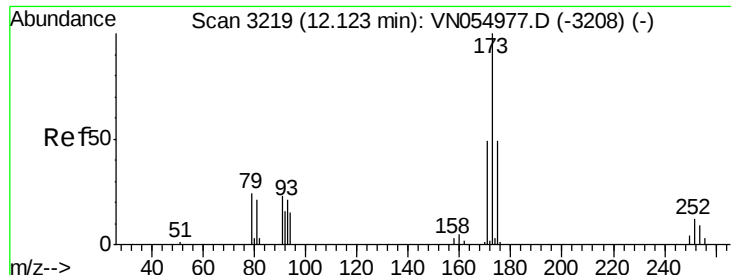
Tot Ion:107 Resp: 76629
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.2 114.2



#55
 2-Chloroethyl vinyl ether
 Concen: 98.673 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion: 63 Resp: 186600
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.0
 106 24.4 19.8 29.6

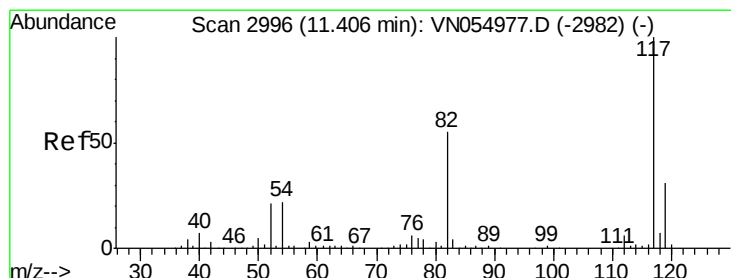
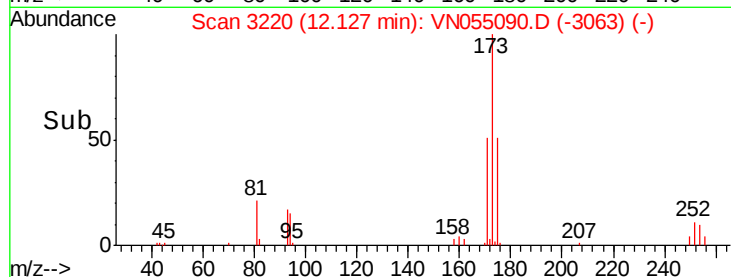
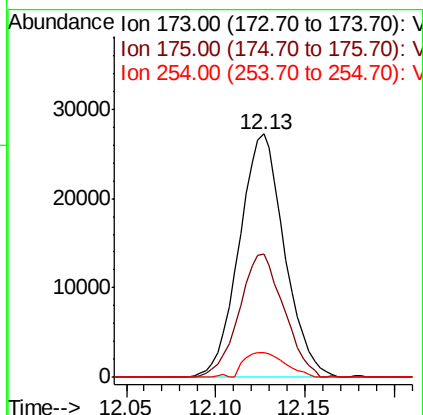
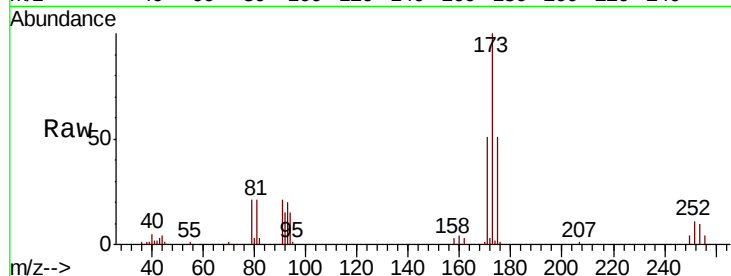




#56
Bromoform
Concen: 19.656 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

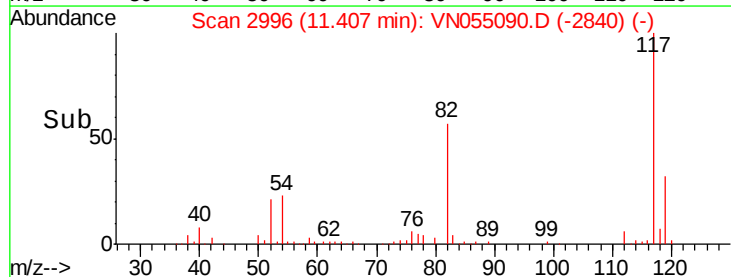
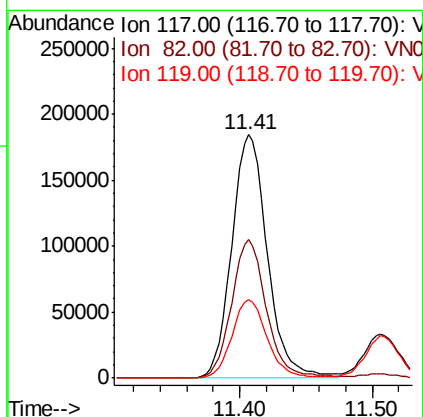
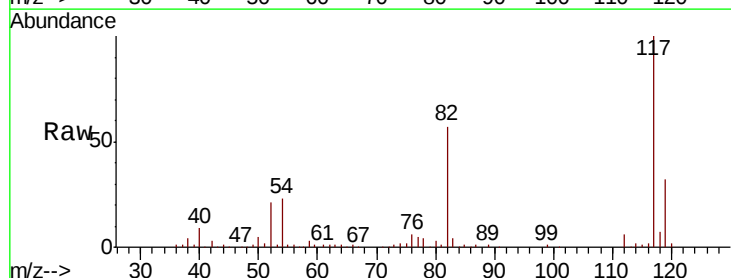
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

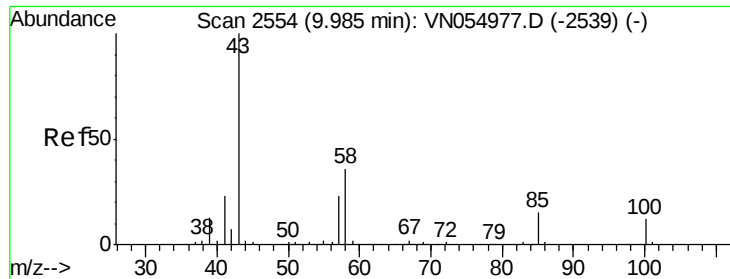
Tot Ion:173 Resp: 48277
Ion Ratio Lower Upper
173 100
175 49.9 38.6 57.8
254 9.2 6.8 10.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion:117 Resp: 344708
Ion Ratio Lower Upper
117 100
82 55.7 45.2 67.8
119 32.0 25.4 38.2

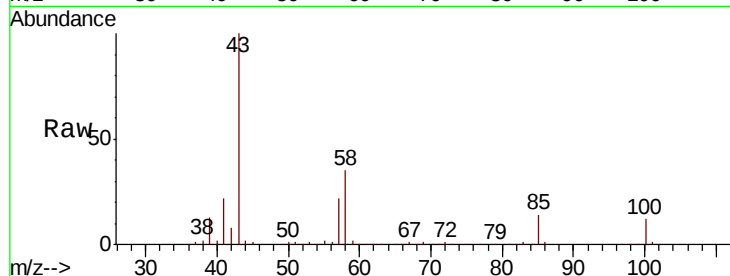




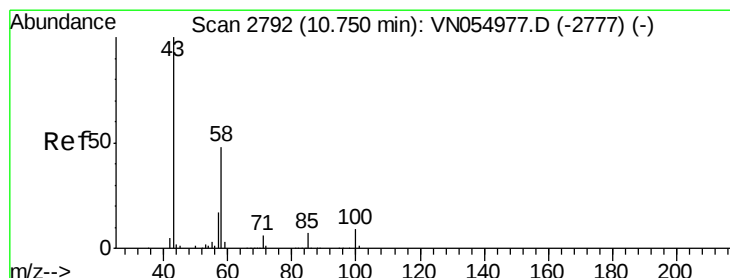
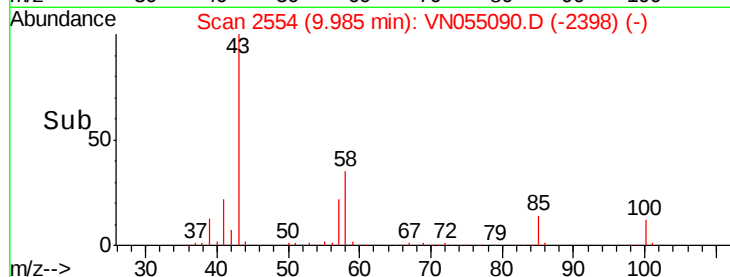
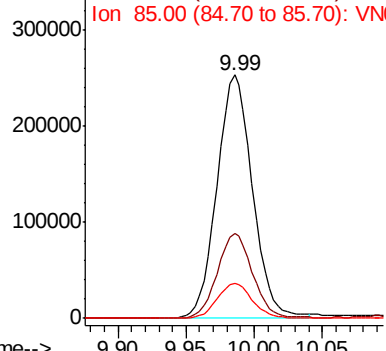
#58
4-Methyl-2-Pentanone
Concen: 115.054 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.7	43.1
85	14.3	11.8	17.6

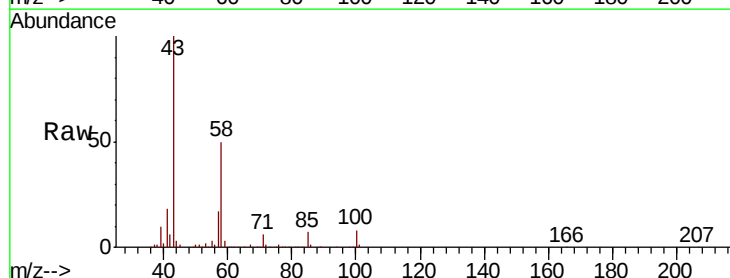


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

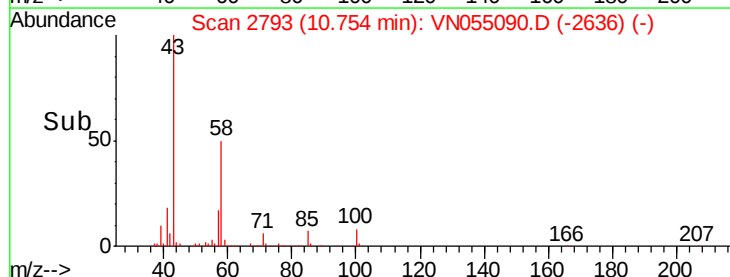
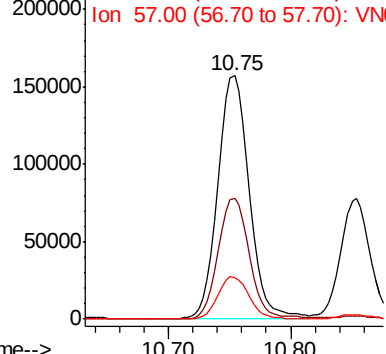


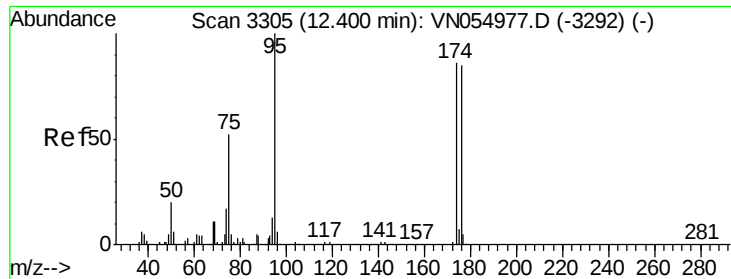
#59
2-Hexanone
Concen: 109.637 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.7	38.8	58.2
57	17.4	13.8	20.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0





#60

4-Bromofluorobenzene

Concen: 109.637 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

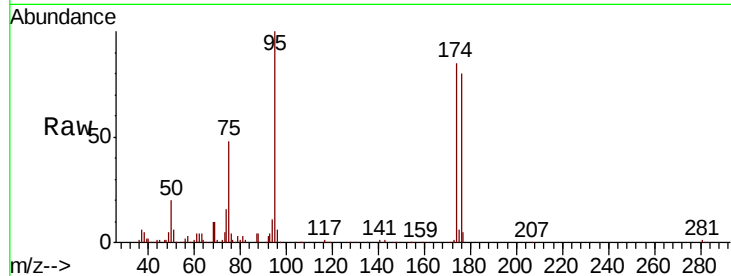
Tot Ion: 95 Resp: 155630

Ion Ratio Lower Upper

95 100

174 85.4 69.4 104.2

176 81.0 67.4 101.2

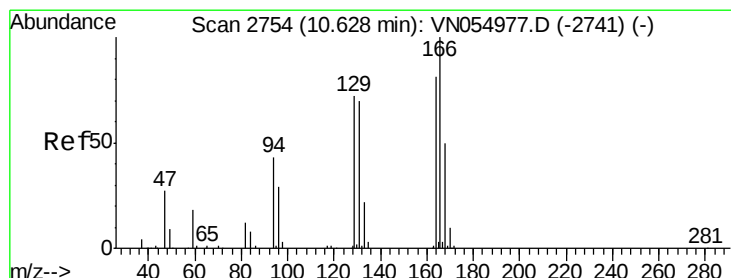
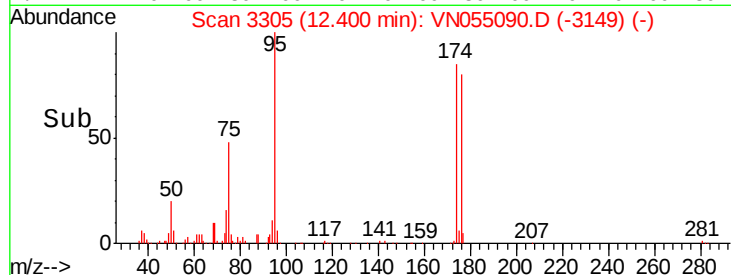
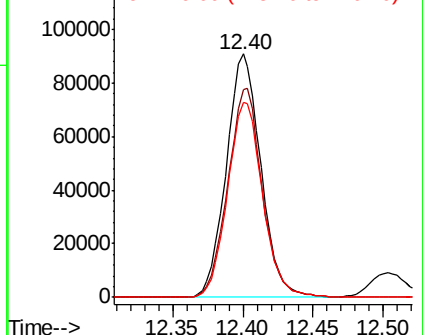


Abundance

Ion 95.00 (94.70 to 95.70): VN054977.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN054977.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN054977.D (-3292) (-)



#61

Tetrachloroethene

Concen: 19.693 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Tgt Ion: 164 Resp: 88342

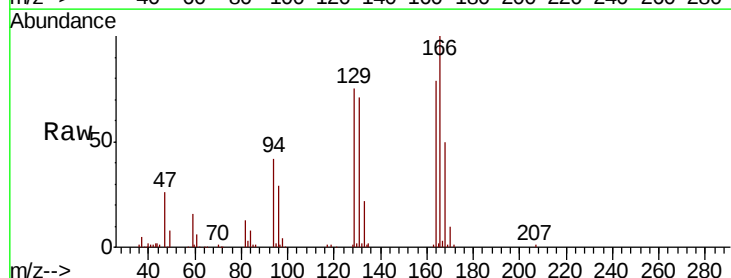
Ion Ratio Lower Upper

164 100

166 125.5 99.0 148.4

129 94.6 71.4 107.0

131 89.2 68.8 103.2



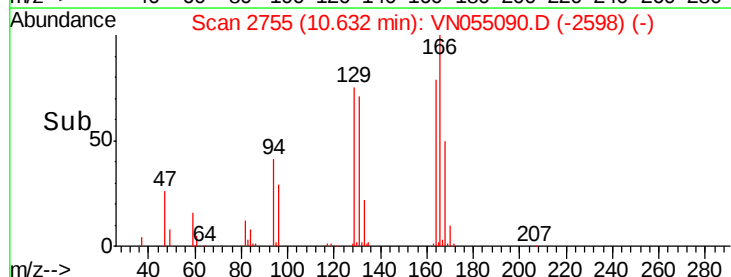
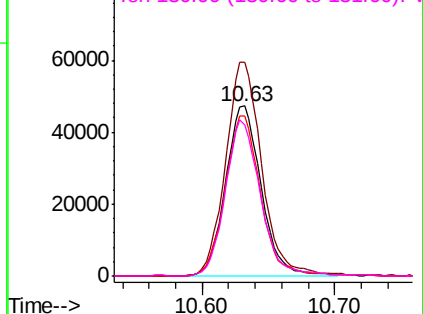
Abundance

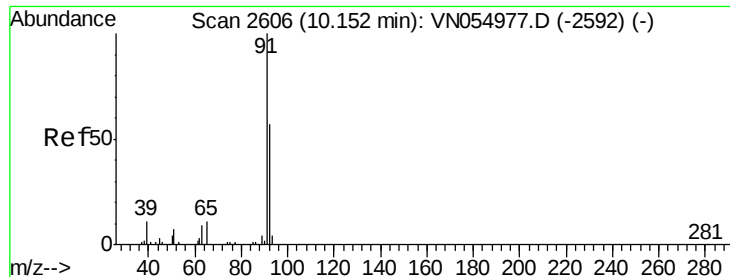
Ion 163.85 (163.55 to 164.55): VN054977.D (-2741) (-)

Ion 165.80 (165.50 to 166.50): VN054977.D (-2741) (-)

Ion 128.90 (128.60 to 129.60): VN054977.D (-2741) (-)

Ion 130.90 (130.60 to 131.60): VN054977.D (-2741) (-)





#62

Toluene

Concen: 20.493 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

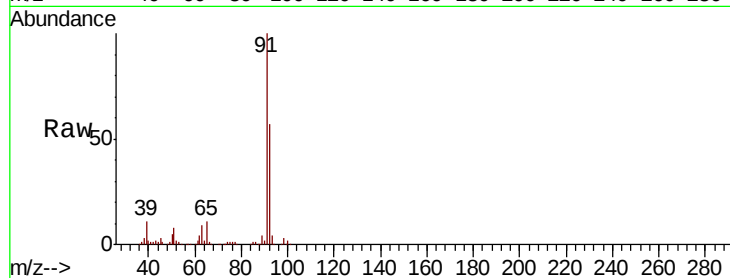
VSTDCCC020EC

Tot Ion: 91 Resp: 389222

Ion Ratio Lower Upper

91 100

92 57.4 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-2592) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-2592) (-)

10.15

200000

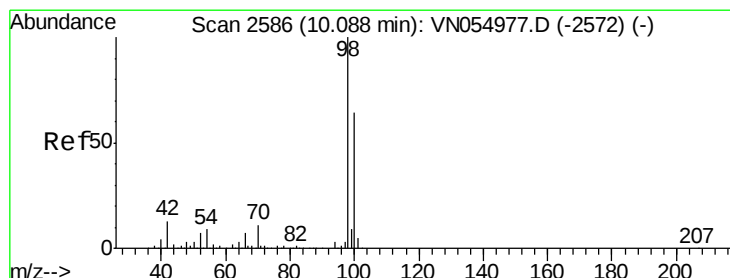
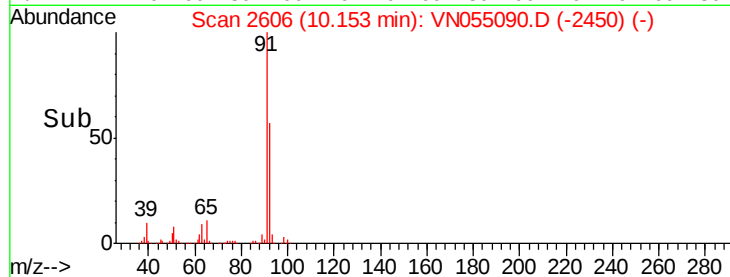
150000

100000

50000

0

Time-->



#63

Toluene-d8

Concen: 20.493 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055090.D

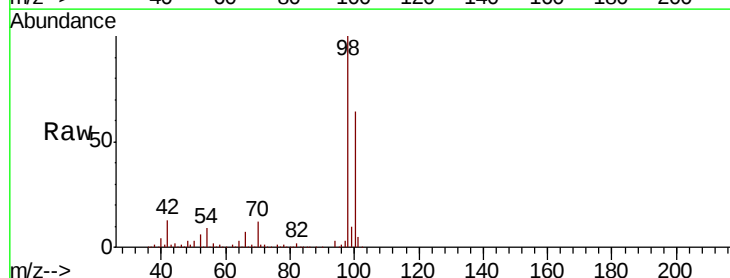
Acq: 16 Apr 2019 20:23

Tgt Ion: 98 Resp: 489451

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN054977.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-2572) (-)

10.09

250000

200000

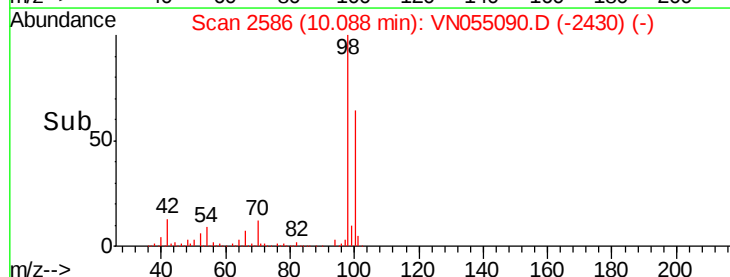
150000

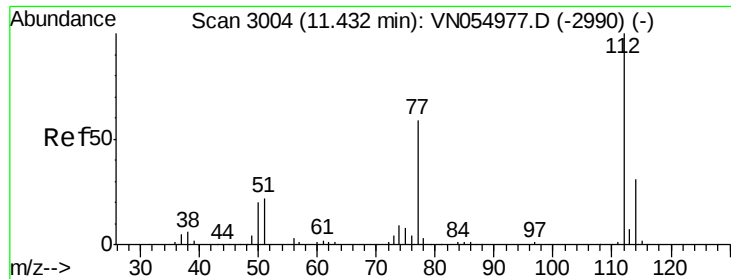
100000

50000

0

Time-->

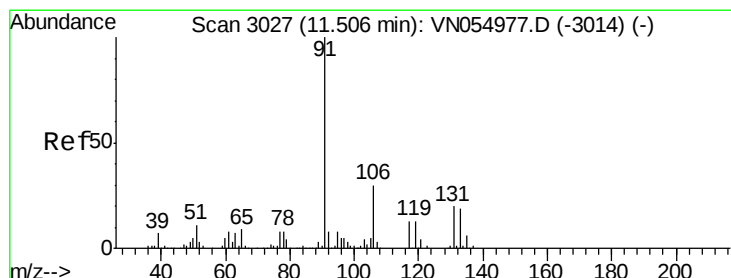
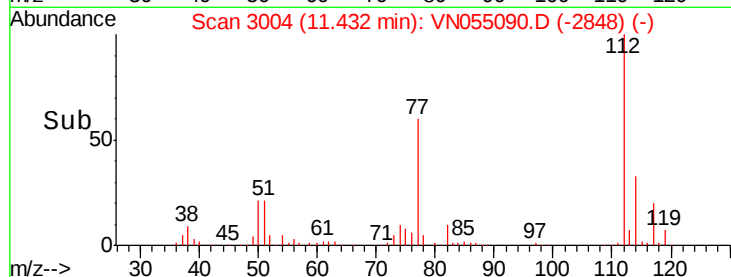
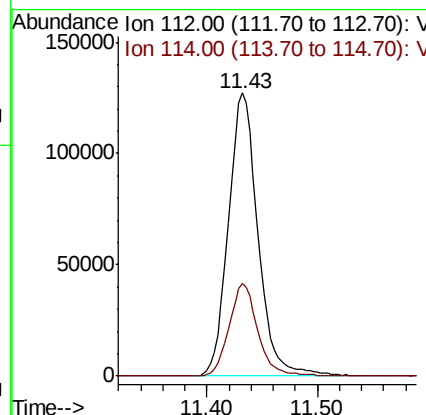
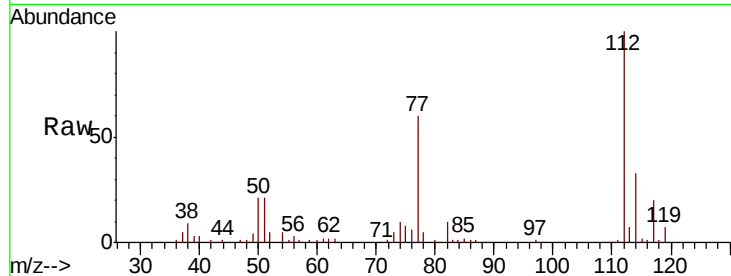




#64
Chlorobenzene
Concen: 20.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

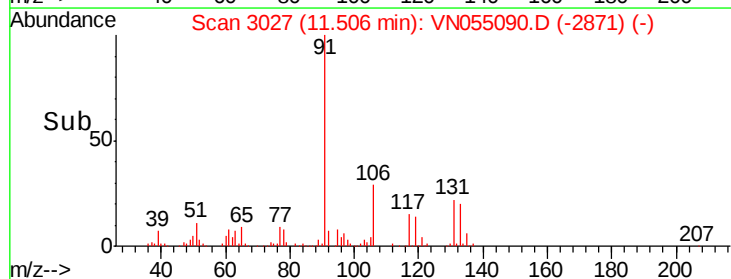
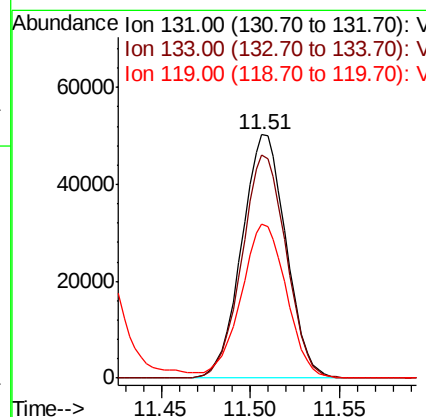
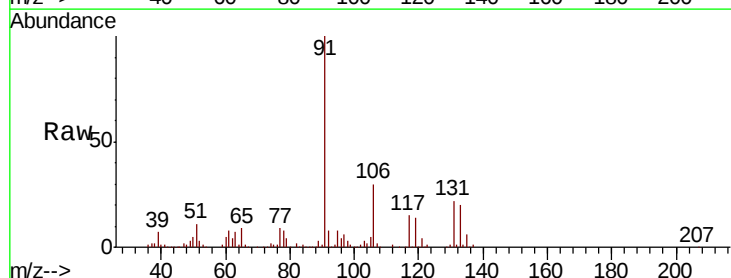
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

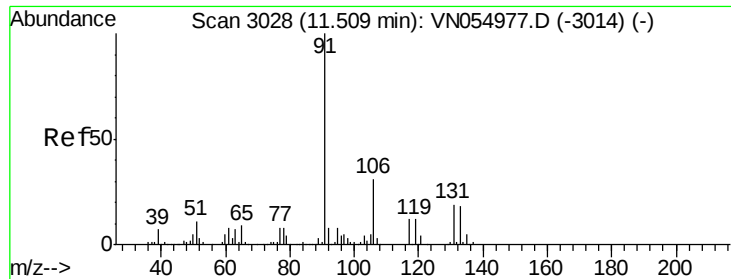
Tot Ion:112 Resp: 237024
Ion Ratio Lower Upper
112 100
114 32.6 25.1 37.7



#65
1,1,1,2-Tetrachloroethane
Concen: 21.406 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion:131 Resp: 87297
Ion Ratio Lower Upper
131 100
133 91.8 0.0 187.8
119 64.7 0.0 131.4





#66

Ethyl Benzene

Concen: 20.274 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

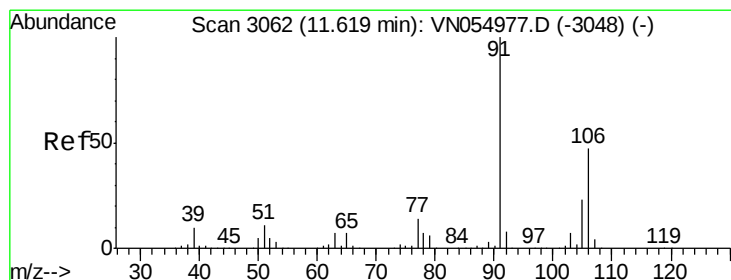
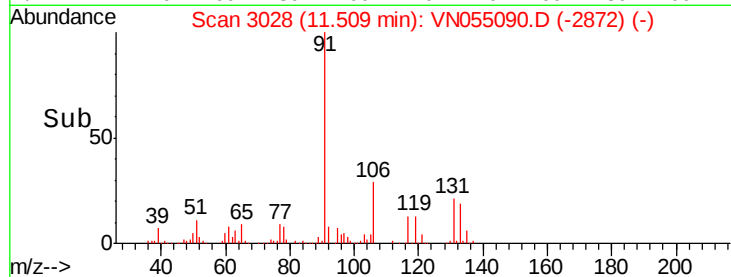
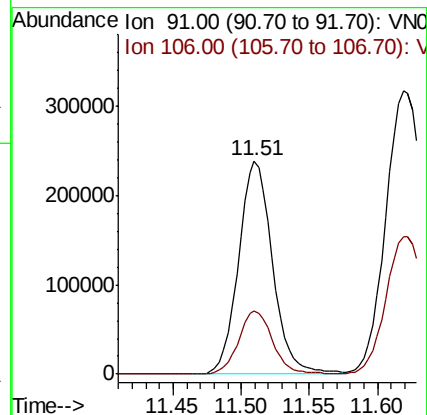
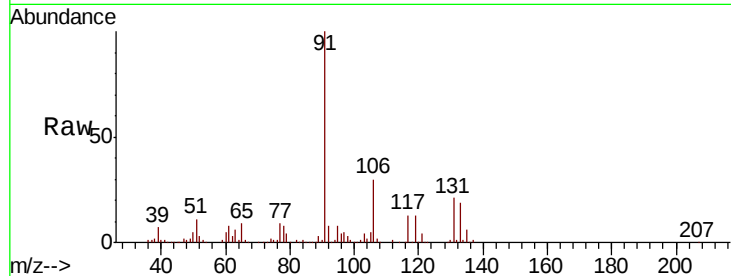
VSTDCCC020EC

Tot Ion: 91 Resp: 412776

Ion Ratio Lower Upper

91 100

106 29.8 24.6 36.8



#67

m/p-Xylenes

Concen: 41.050 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055090.D

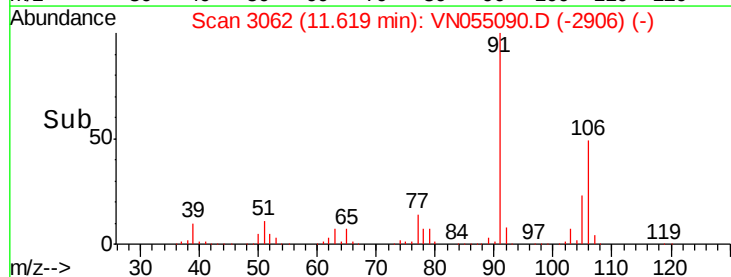
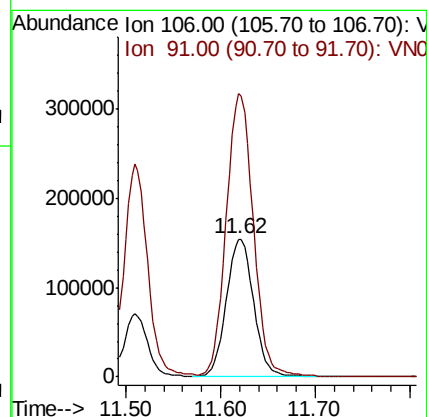
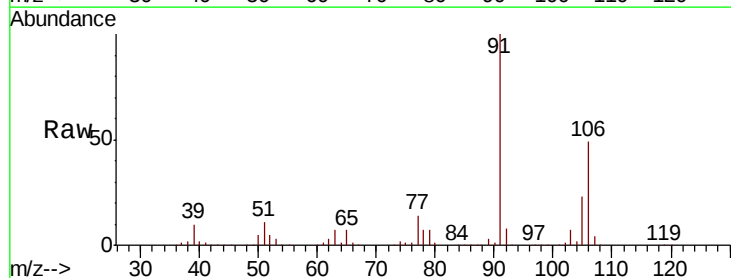
Acq: 16 Apr 2019 20:23

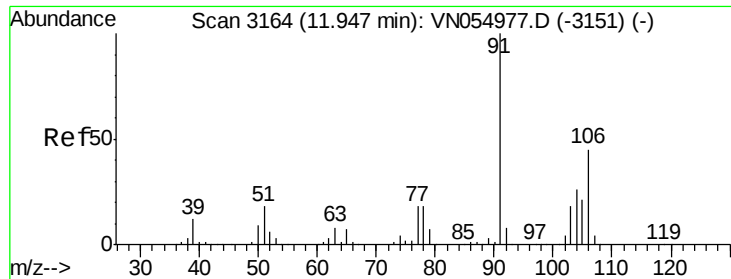
Tgt Ion: 106 Resp: 310667

Ion Ratio Lower Upper

106 100

91 204.9 167.4 251.2

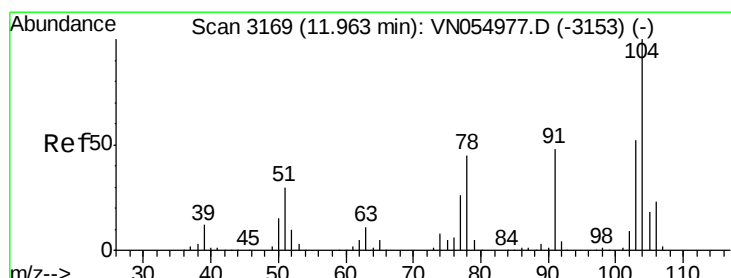
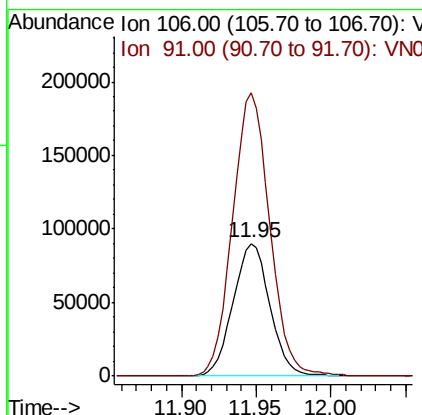
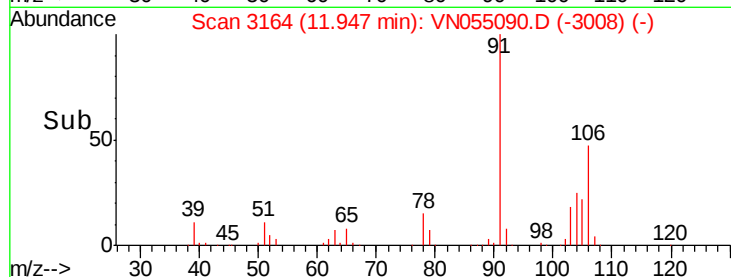
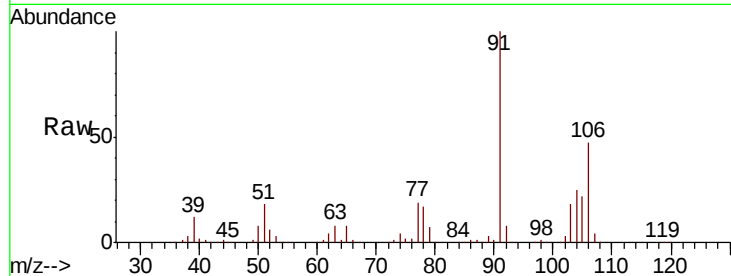




#68
o-Xylene
Concen: 20.691 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

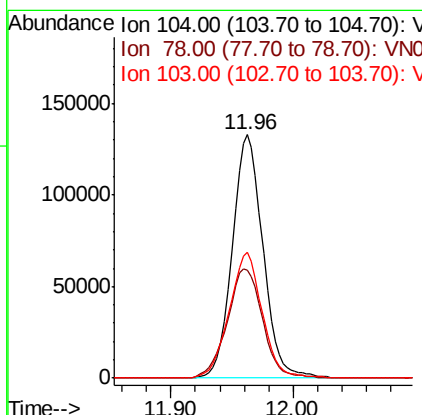
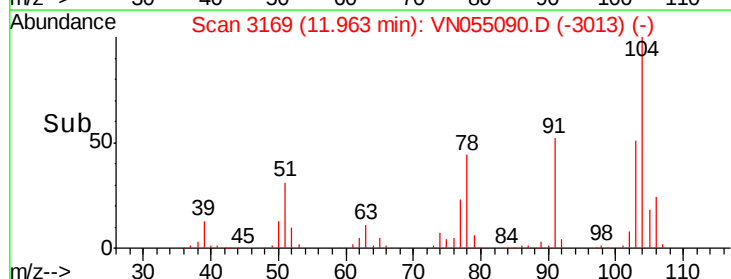
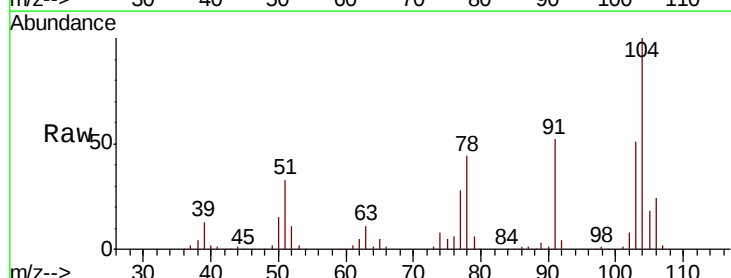
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

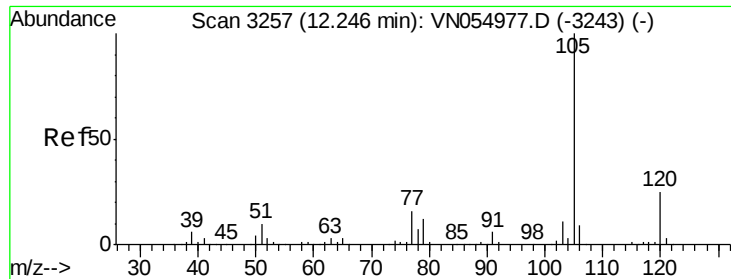
Tot Ion:106 Resp: 154747
Ion Ratio Lower Upper
106 100
91 215.9 110.3 330.8



#69
Styrene
Concen: 19.990 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion:104 Resp: 232156
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 56.0 44.6 67.0





#70

Isopropylbenzene

Concen: 20.210 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

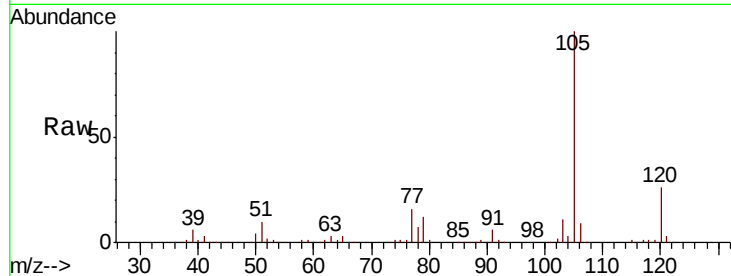
VSTDCCC020EC

Tot Ion:105 Resp: 404121

Ion Ratio Lower Upper

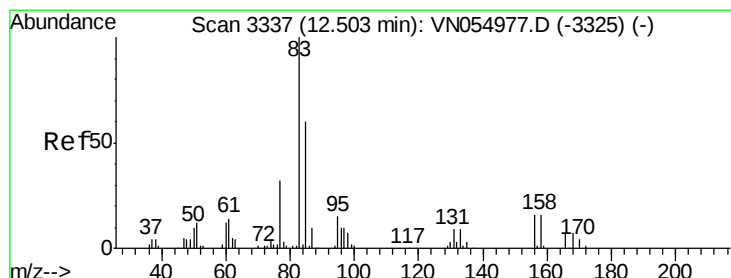
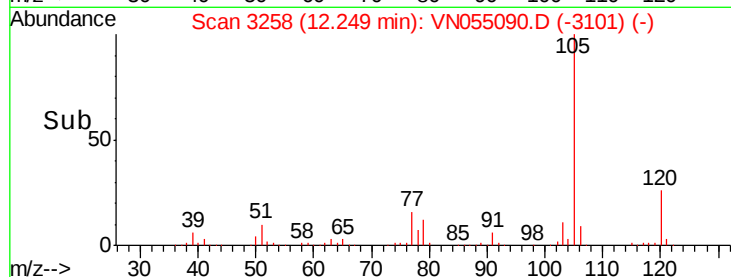
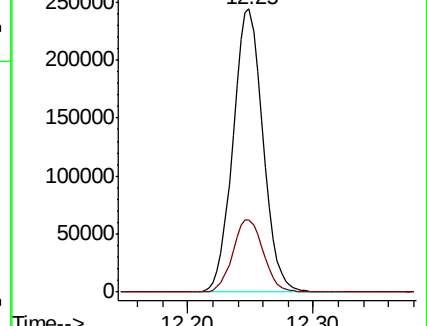
105 100

120 26.3 18.3 33.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 22.475 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

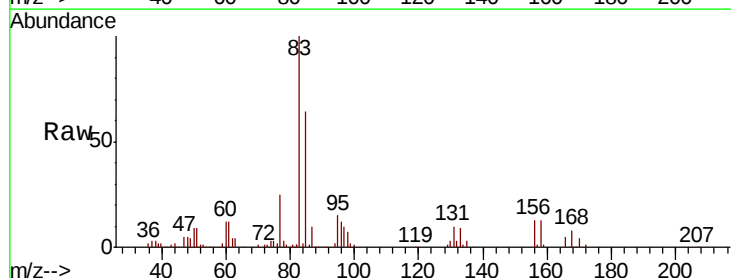
Tgt Ion: 83 Resp: 102788

Ion Ratio Lower Upper

83 100

131 10.1 4.6 13.8

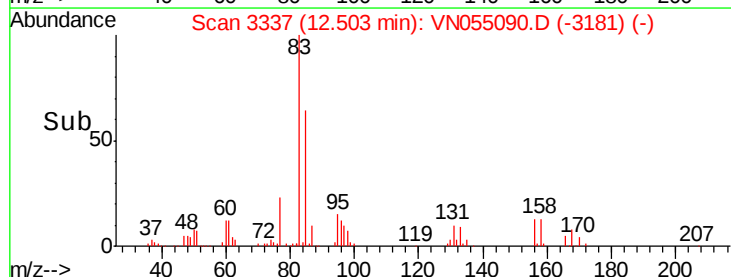
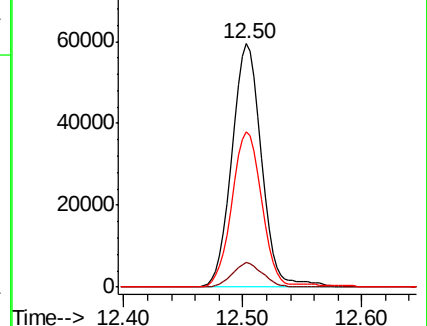
85 63.8 30.9 92.5

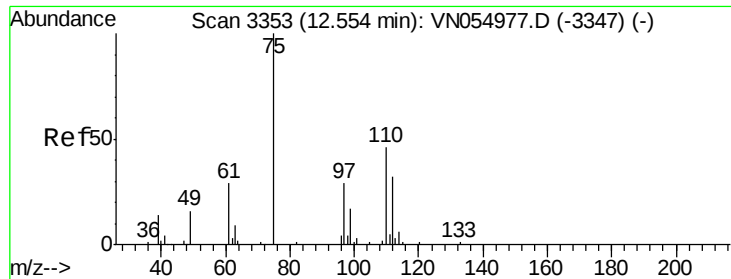


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): V





#72

1,2,3-Trichloropropane

Concen: 31.117 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

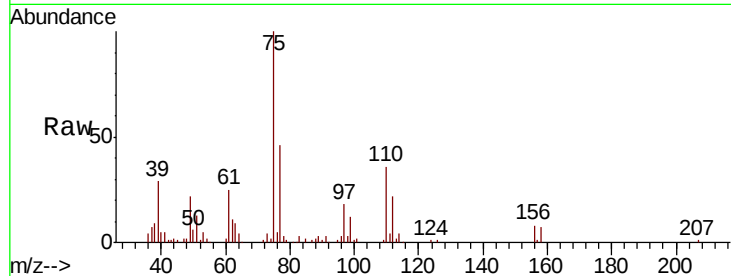
VSTDCCC020EC

Tot Ion: 75 Resp: 117530

Ion Ratio Lower Upper

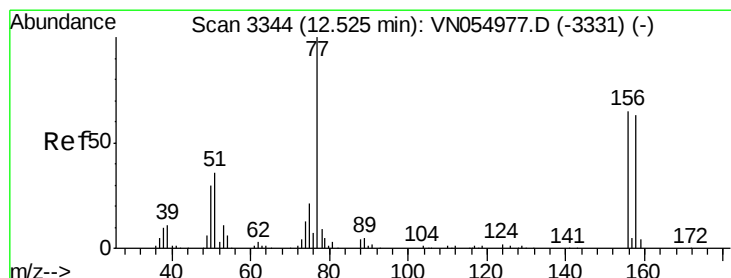
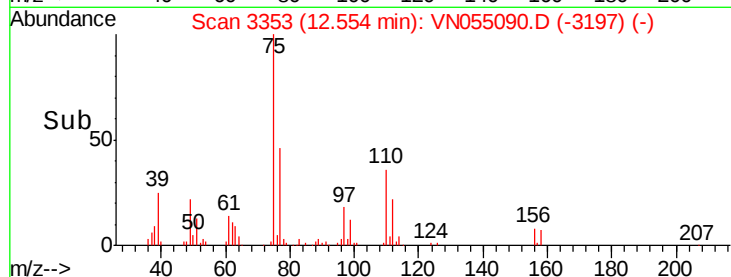
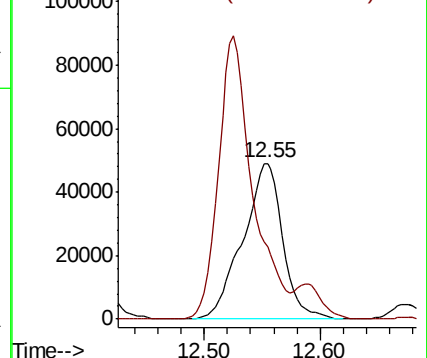
75 100

77 156.0 0.0 466.6



Abundance Ion 75.00 (74.70 to 75.70): VN054977.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN054977.D (-3347) (-)



#73

Bromobenzene

Concen: 19.985 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

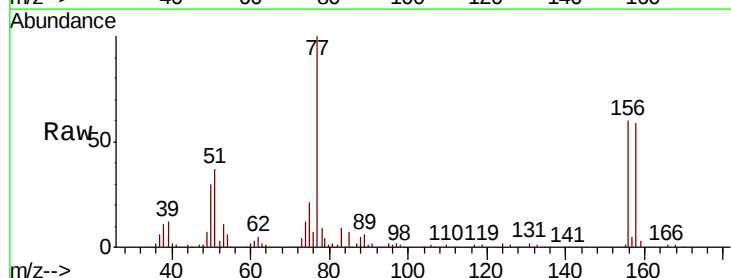
Tgt Ion: 156 Resp: 94454

Ion Ratio Lower Upper

156 100

77 194.1 0.0 383.2

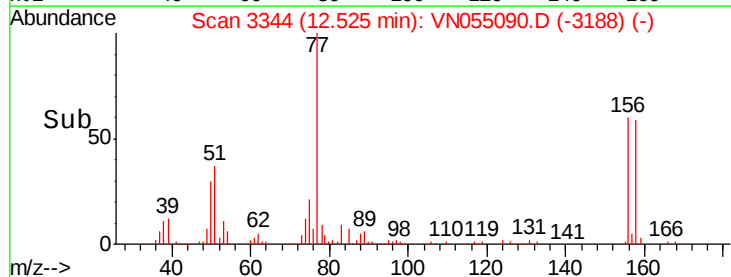
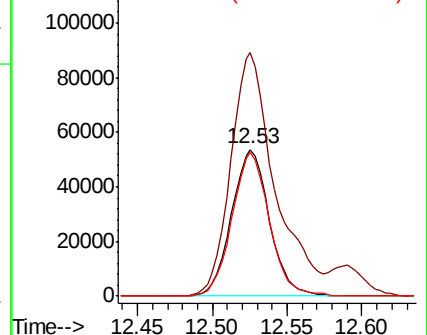
158 96.9 0.0 193.8

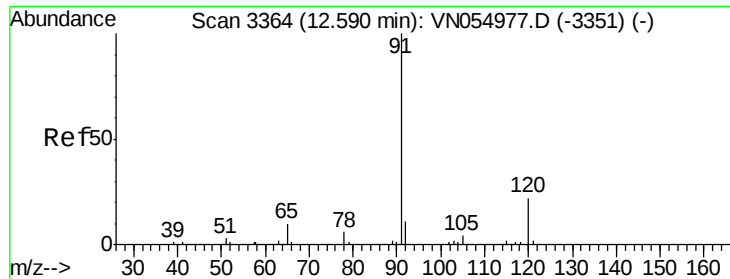


Abundance Ion 156.00 (155.70 to 156.70): VN054977.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN054977.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN054977.D (-3331) (-)

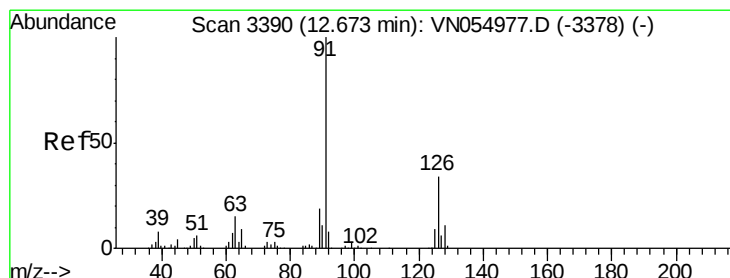
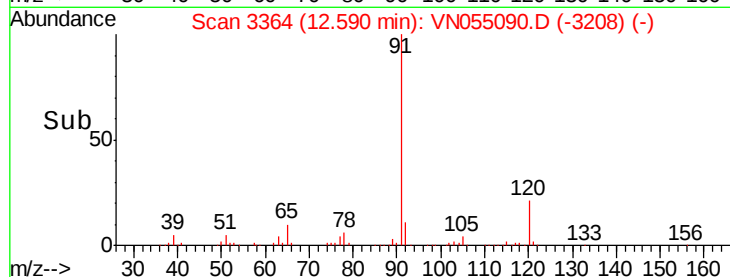
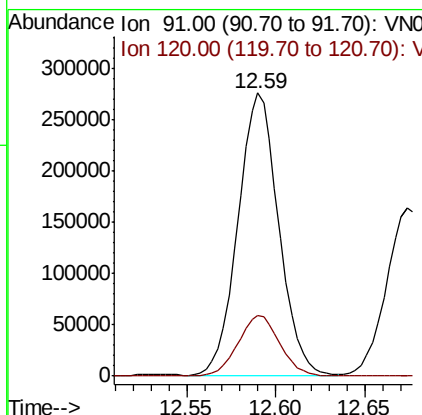
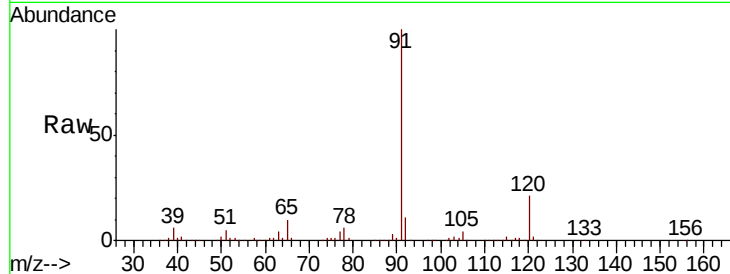




#74
n-propylbenzene
Concen: 19.738 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

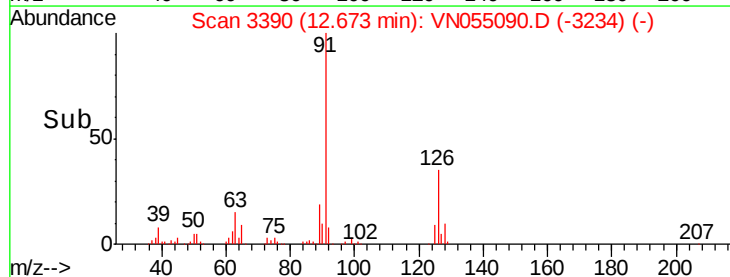
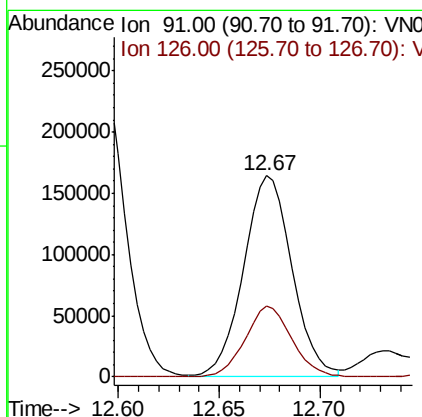
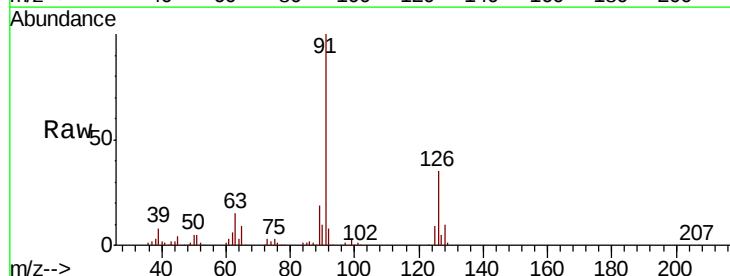
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

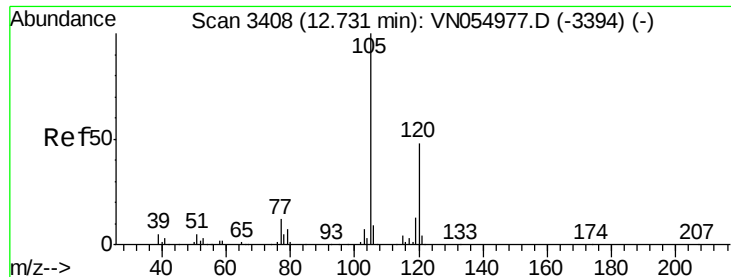
Tot Ion: 91 Resp: 441855
Ion Ratio Lower Upper
91 100
120 21.8 0.0 44.4



#75
2-Chlorotoluene
Concen: 20.548 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 91 Resp: 277425
Ion Ratio Lower Upper
91 100
126 33.6 0.0 67.4





#76

1,3,5-Trimethylbenzene

Concen: 20.060 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

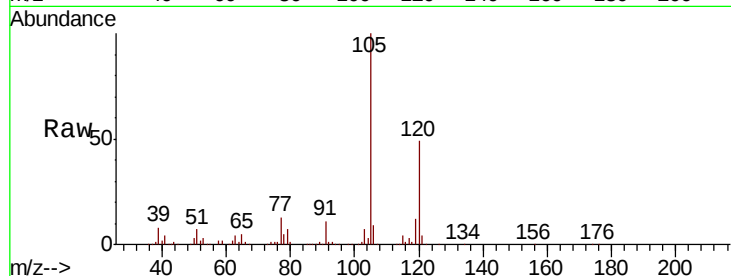
VSTDCCC020EC

Tot Ion:105 Resp: 324288

Ion Ratio Lower Upper

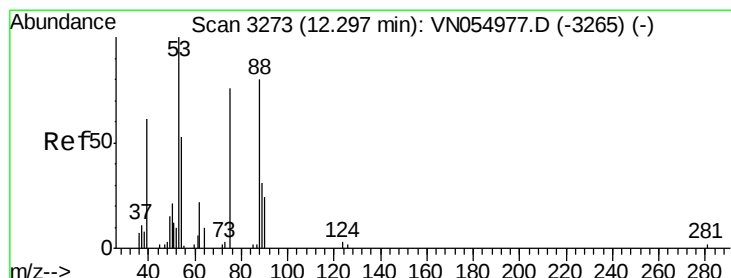
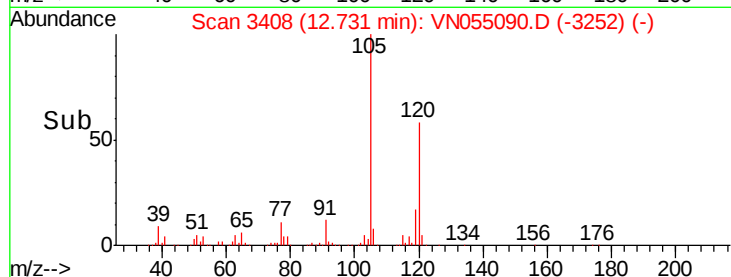
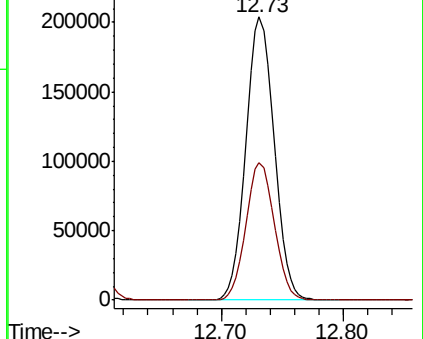
105 100

120 48.7 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 20.362 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

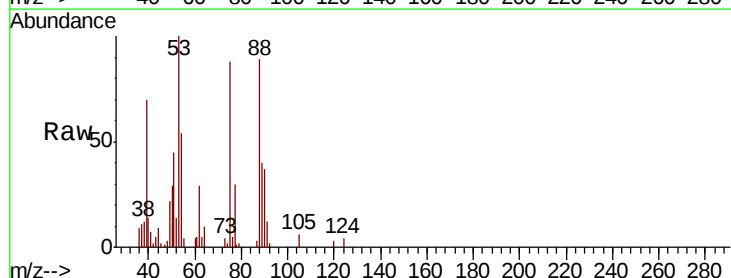
Tgt Ion: 75 Resp: 19386

Ion Ratio Lower Upper

75 100

53 113.1 64.3 192.7

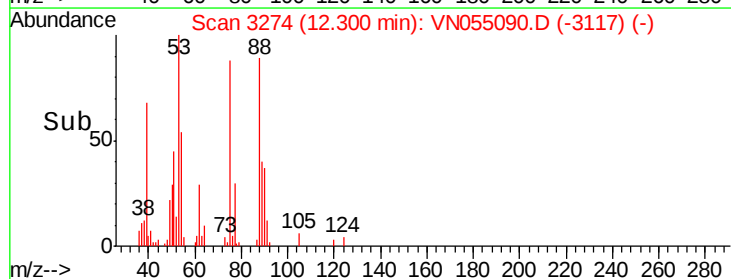
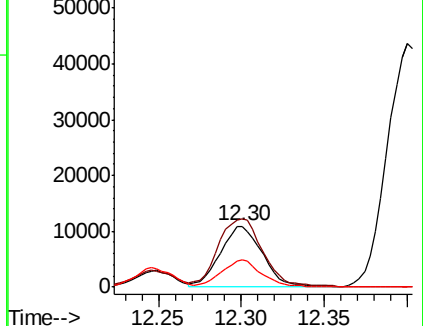
89 45.4 21.6 65.0

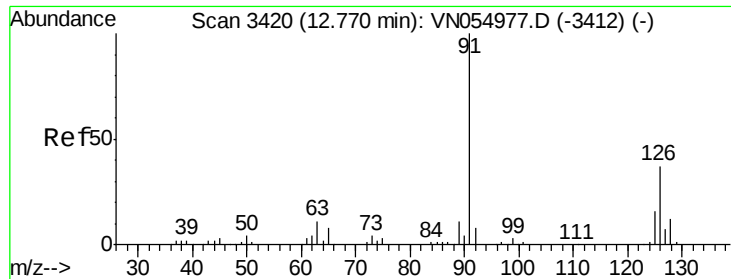


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO

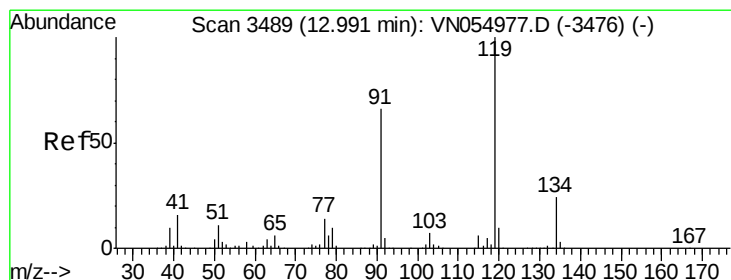
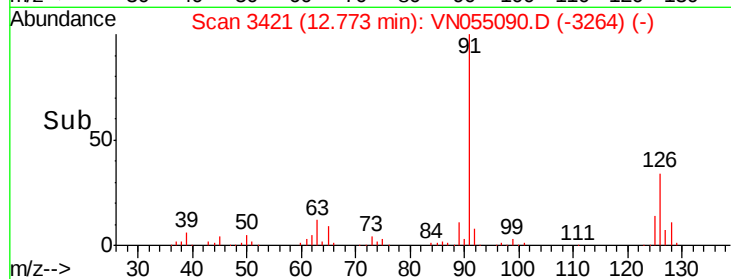
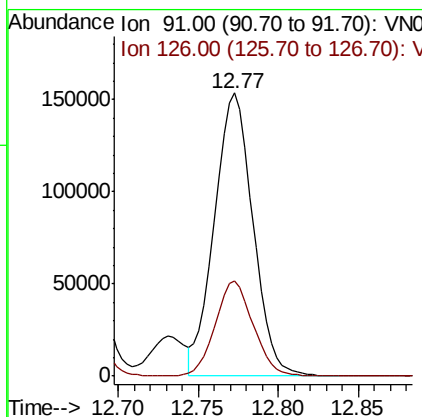
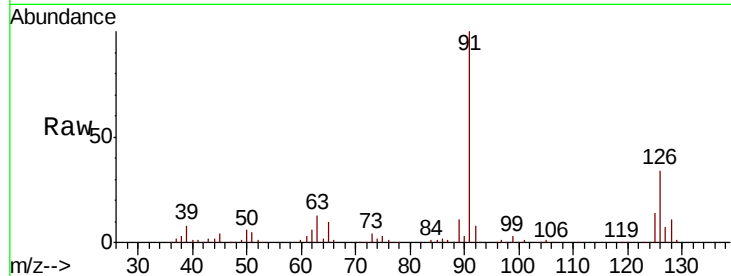




#78
4-Chlorotoluene
Concen: 19.865 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

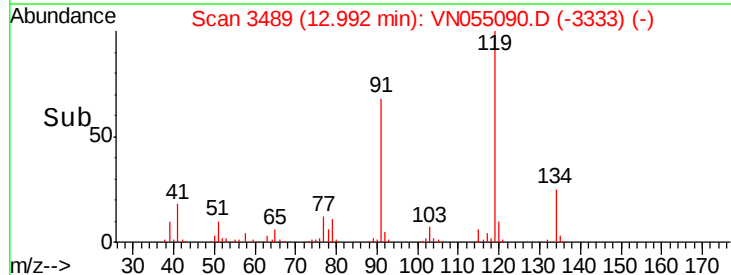
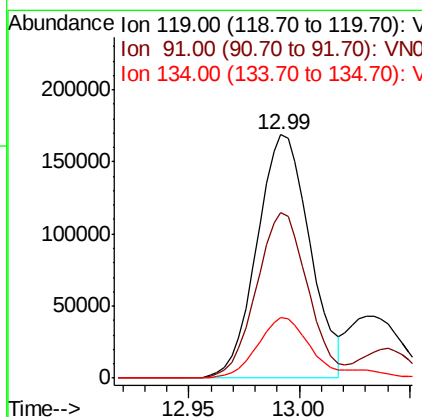
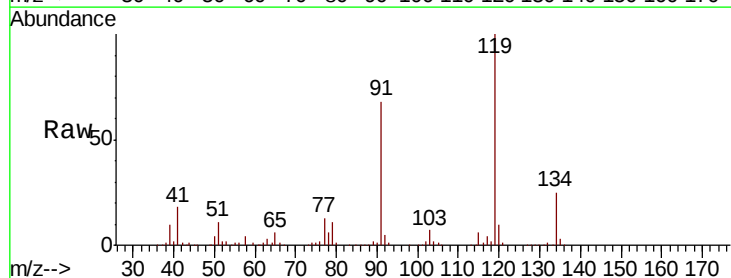
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

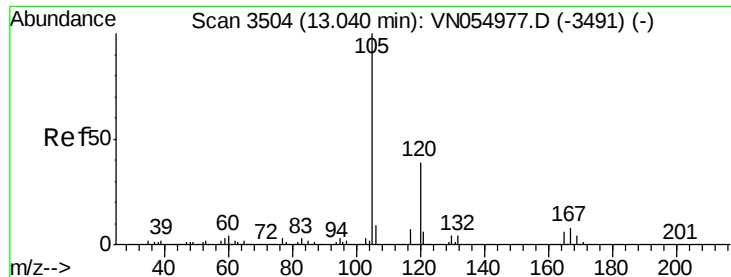
Tot Ion: 91 Resp: 255546
Ion Ratio Lower Upper
91 100
126 33.0 0.0 66.6



#79
tert-butylbenzene
Concen: 20.090 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion: 119 Resp: 281028
Ion Ratio Lower Upper
119 100
91 66.1 0.0 132.6
134 24.4 0.0 47.6

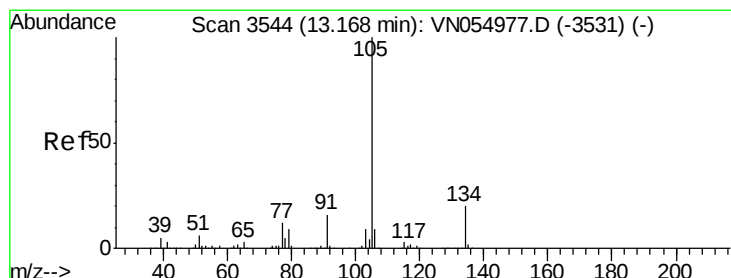
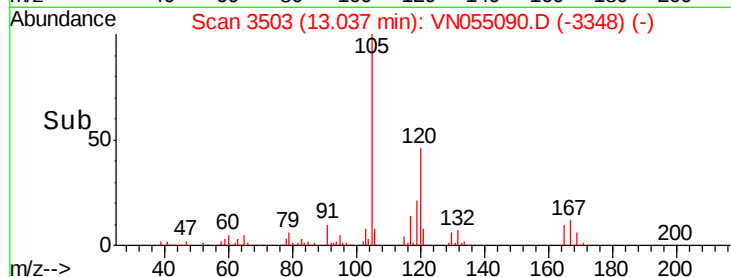
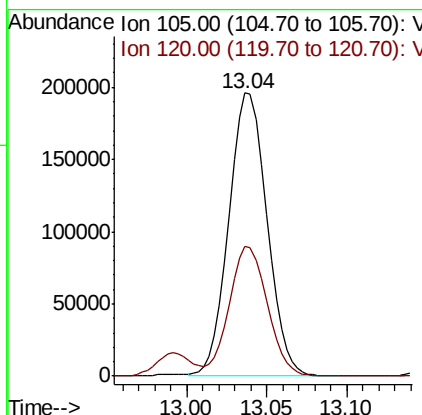
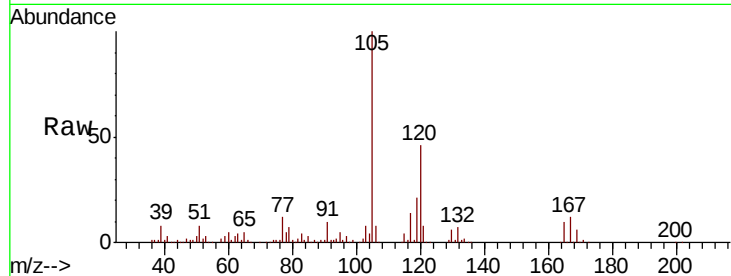




#80
 1,2,4-Trimethylbenzene
 Concen: 20.113 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

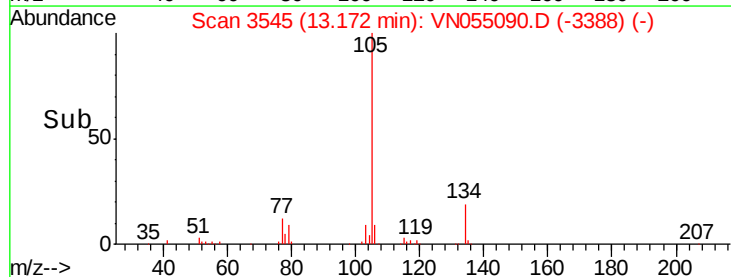
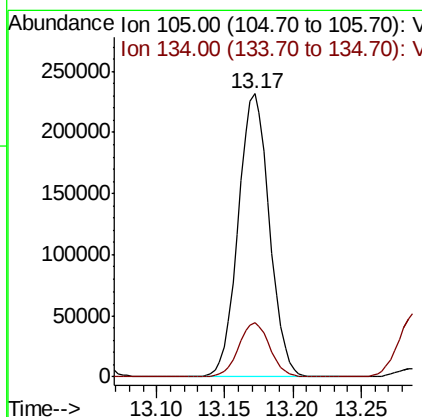
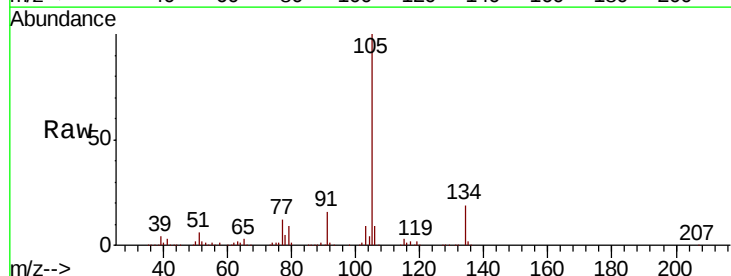
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

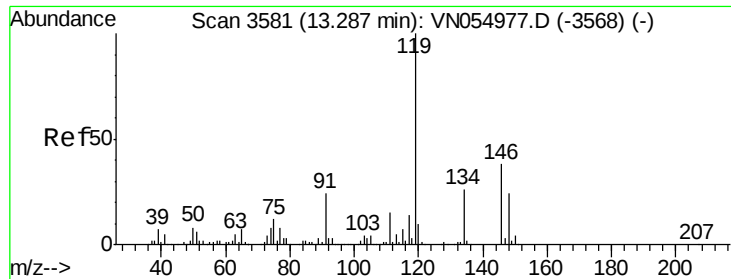
Tot Ion:105 Resp: 319425
 Ion Ratio Lower Upper
 105 100
 120 45.6 0.0 91.4



#81
 sec-Butylbenzene
 Concen: 19.640 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion:105 Resp: 367093
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 40.0

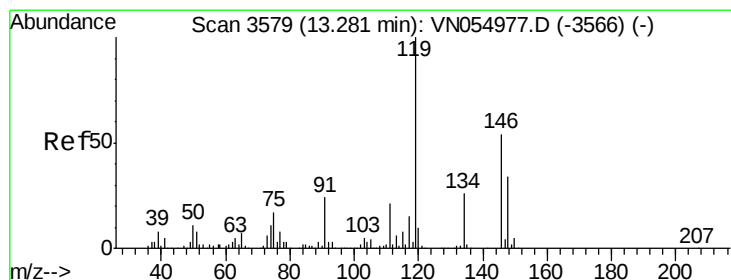
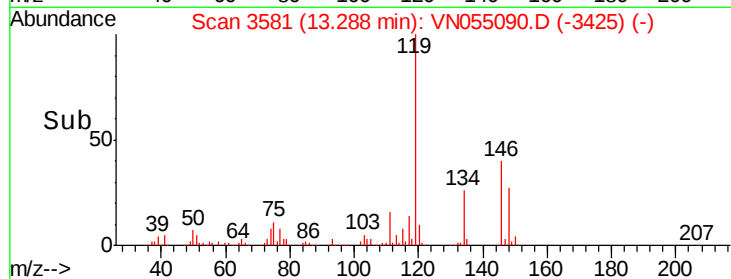
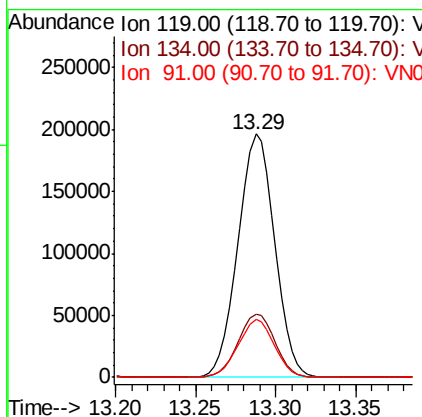
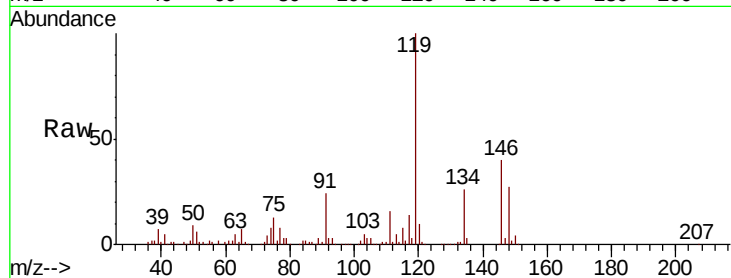




#82
 p-Isopropyltoluene
 Concen: 19.412 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

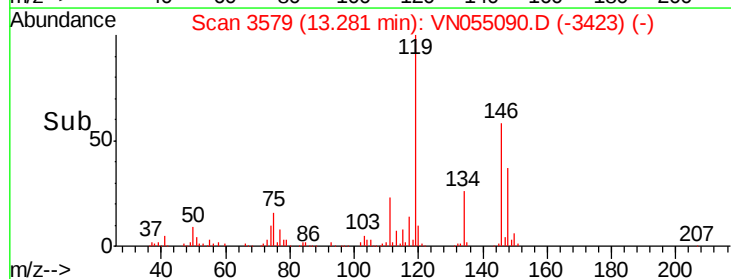
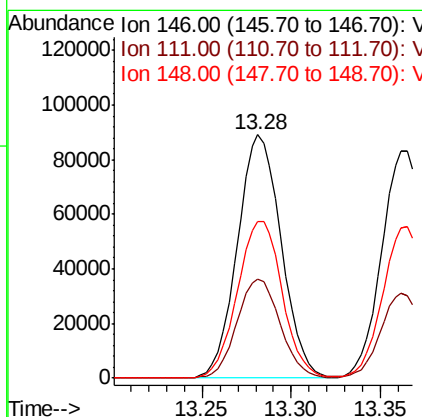
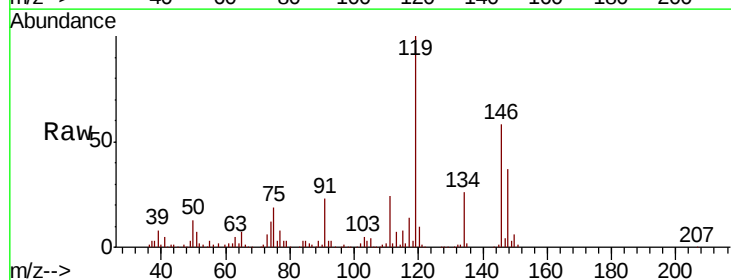
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

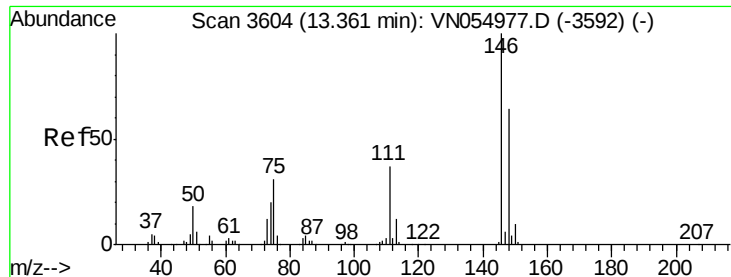
Tot Ion:119 Resp: 306207
 Ion Ratio Lower Upper
 119 100
 134 26.1 0.0 53.2
 91 23.5 0.0 47.8



#83
 1,3-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Tgt Ion:146 Resp: 152579
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.1 57.5
 148 65.9 31.9 95.5





#84

1,4-Dichlorobenzene

Concen: 18.952 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

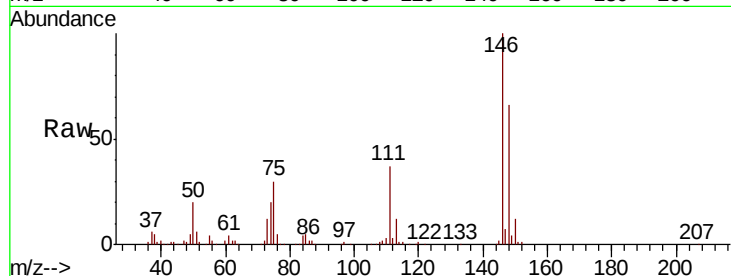
Tot Ion:146 Resp: 142403

Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.2

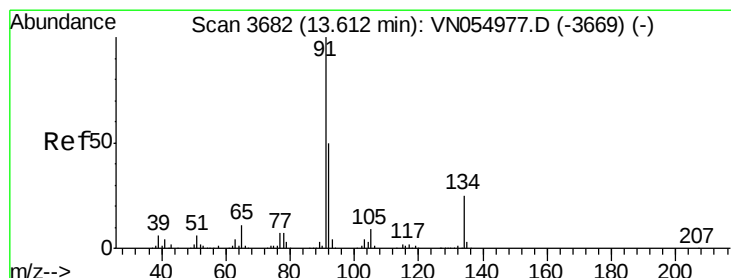
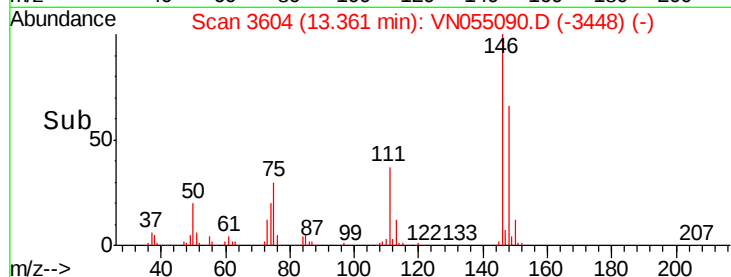
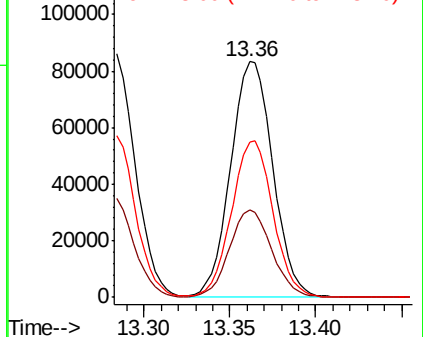
148 65.1 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 18.057 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

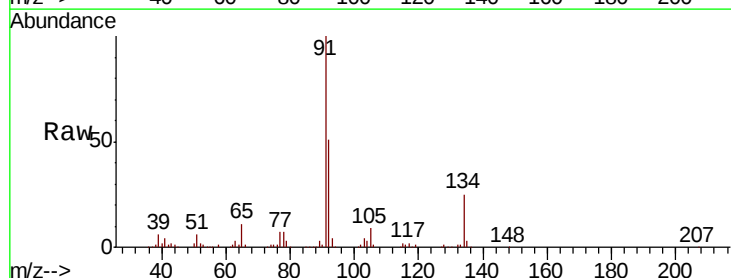
Tgt Ion: 91 Resp: 226895

Ion Ratio Lower Upper

91 100

92 51.6 0.0 101.4

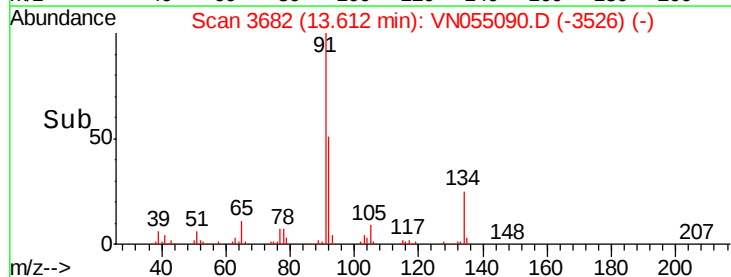
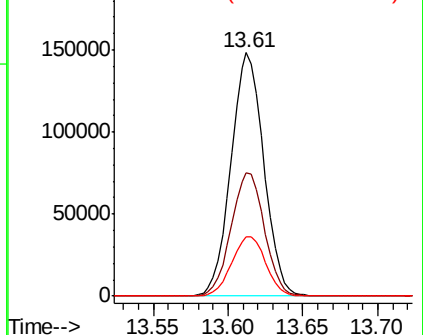
134 25.3 0.0 49.8

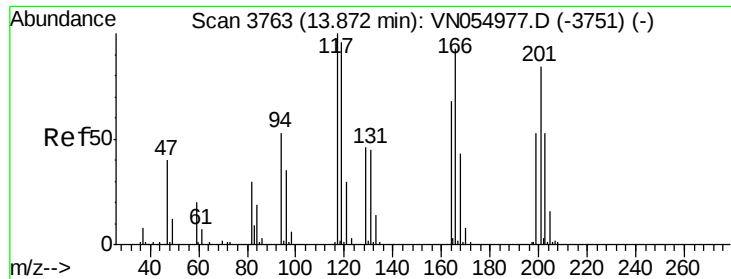


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

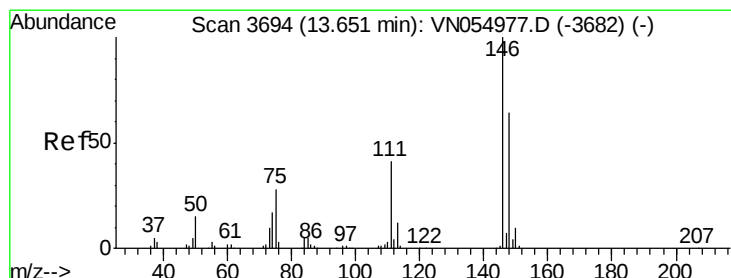
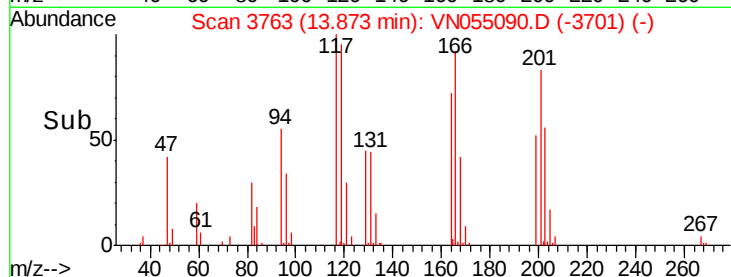
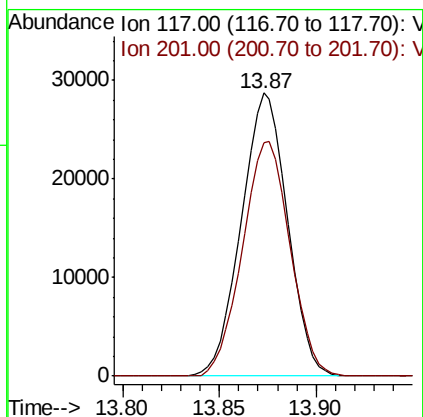
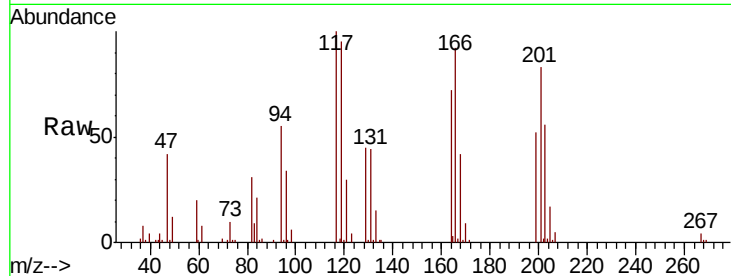




#86
Hexachloroethane
Concen: 18.852 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

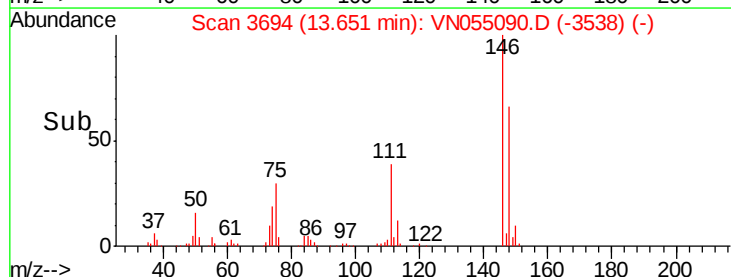
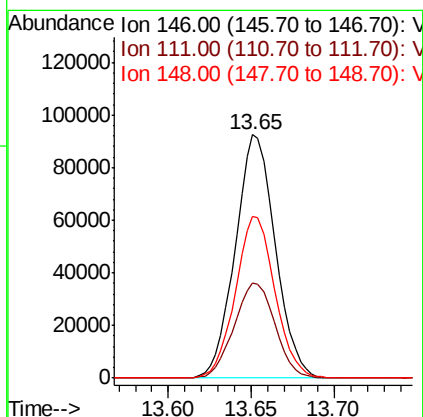
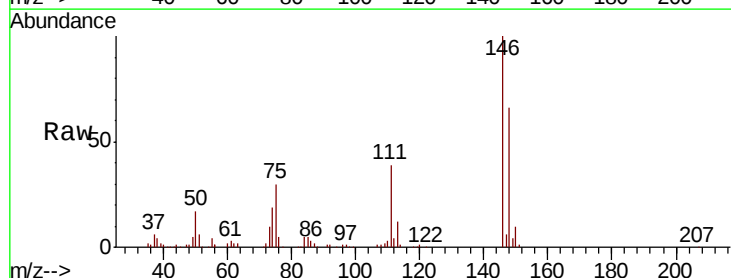
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

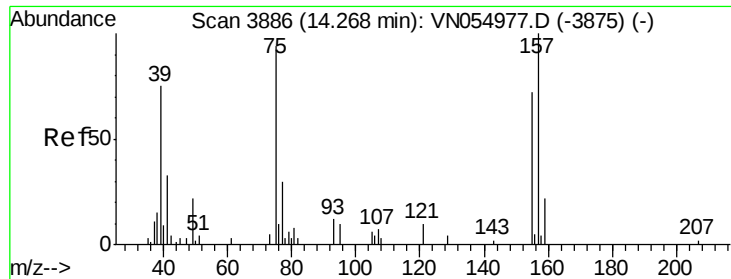
Tot Ion:117 Resp: 47604
Ion Ratio Lower Upper
117 100
201 85.6 42.8 128.3



#87
1,2-Dichlorobenzene
Concen: 20.063 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VN055090.D
Acq: 16 Apr 2019 20:23

Tgt Ion:146 Resp: 155355
Ion Ratio Lower Upper
146 100
111 39.8 20.3 60.8
148 65.5 32.5 97.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 21.232 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

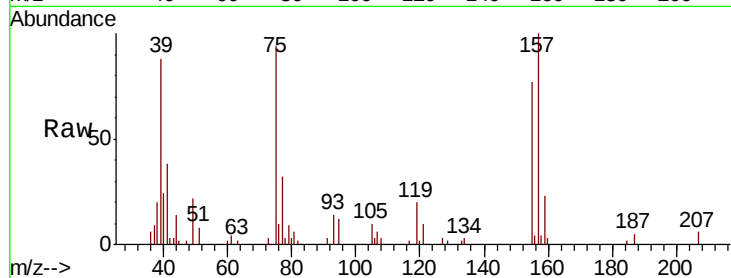
Tot Ion: 75 Resp: 12906

Ion Ratio Lower Upper

75 100

155 82.8 61.8 92.8

157 105.4 82.7 124.1



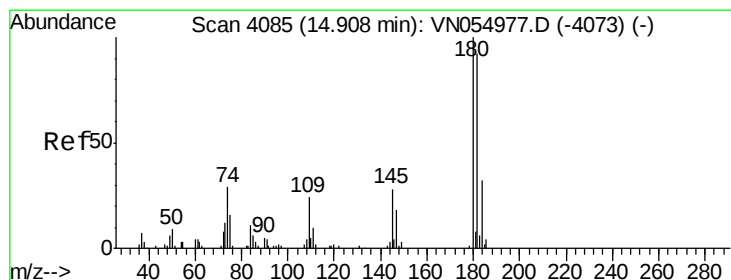
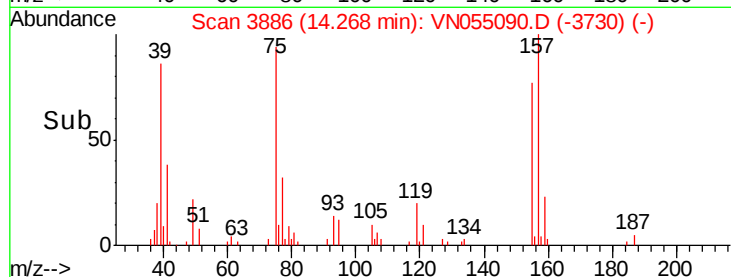
Abundance Ion 75.00 (74.70 to 75.70): VN054977.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN054977.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN054977.D (-3875) (-)

14.27

Time-->



#89

1,2,4-Trichlorobenzene

Concen: 17.386 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

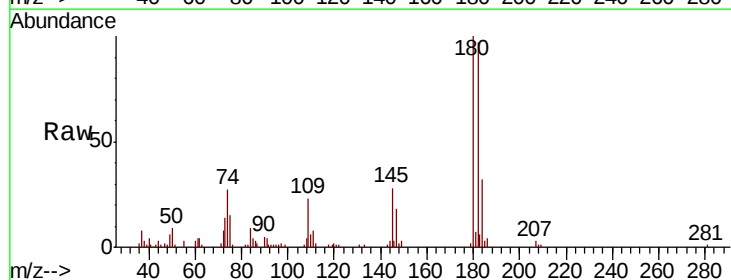
Tgt Ion:180 Resp: 60189

Ion Ratio Lower Upper

180 100

182 95.6 73.2 109.8

145 28.6 23.2 34.8



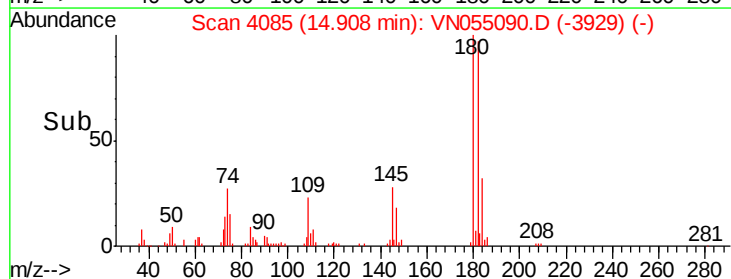
Abundance Ion 180.00 (179.70 to 180.70): VN054977.D (-4073) (-)

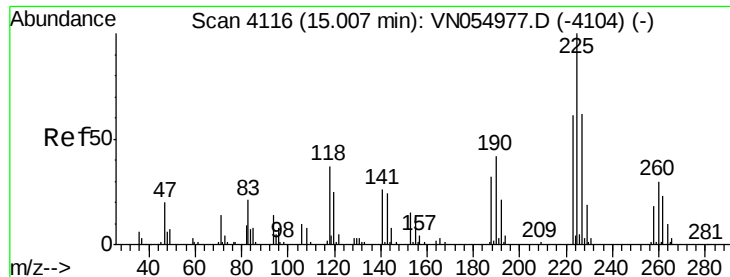
Ion 182.00 (181.70 to 182.70): VN054977.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN054977.D (-4073) (-)

14.91

Time-->





#90

Hexachlorobutadiene

Concen: 20.784 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

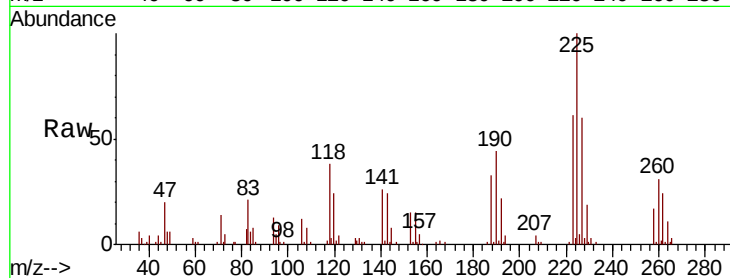
Tot Ion:225 Resp: 52459

Ion Ratio Lower Upper

225 100

223 62.2 0.0 126.0

227 60.4 0.0 125.4

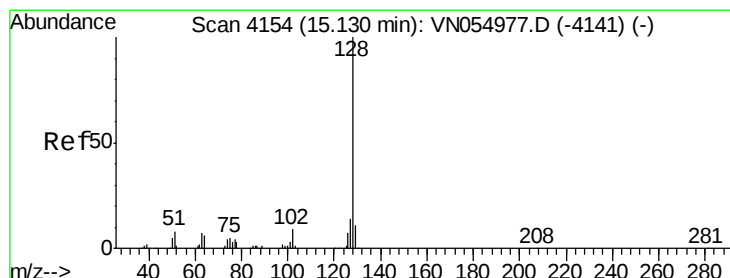
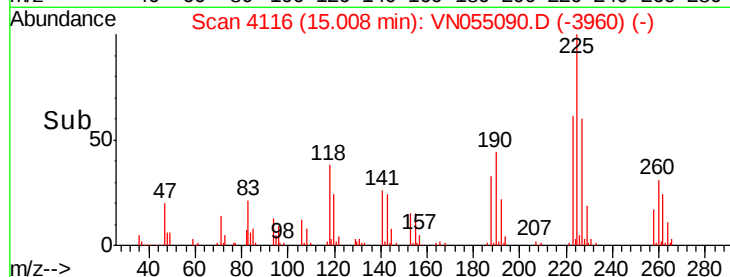
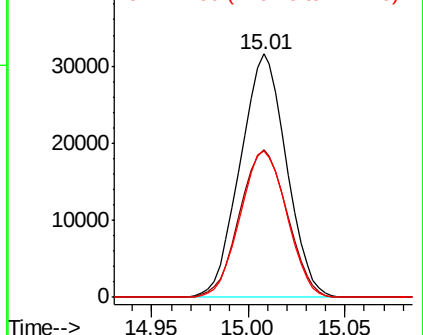


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 18.559 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055090.D

Acq: 16 Apr 2019 20:23

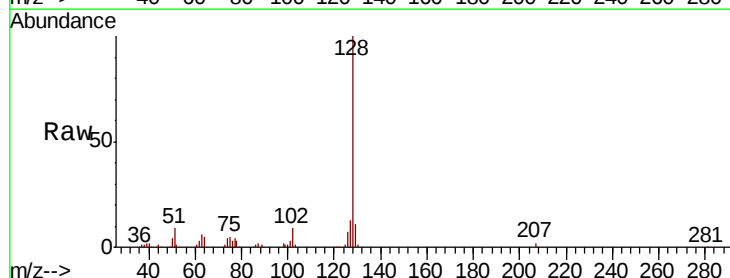
Tgt Ion:128 Resp: 134533

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.1 9.0 13.6

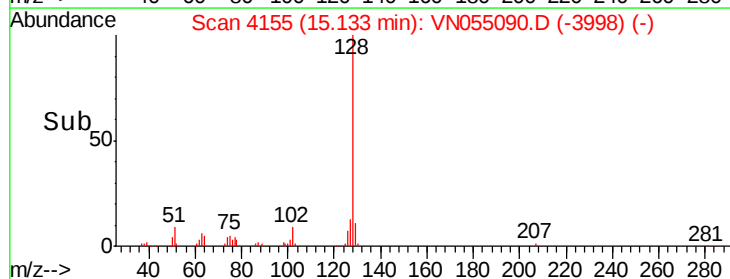
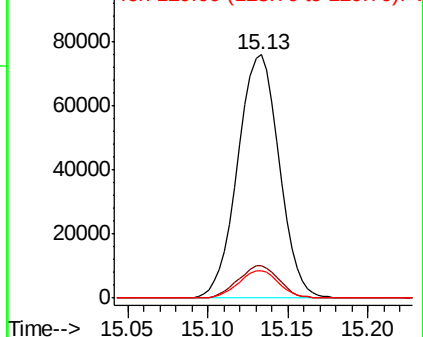


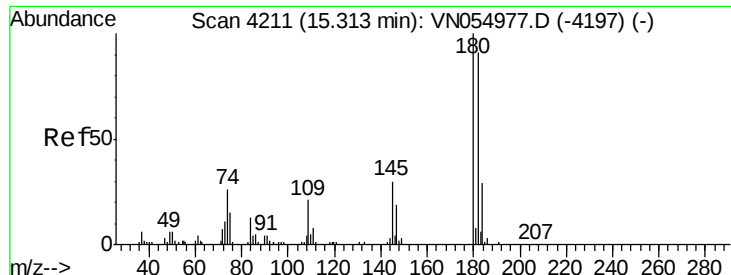
Abundance

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

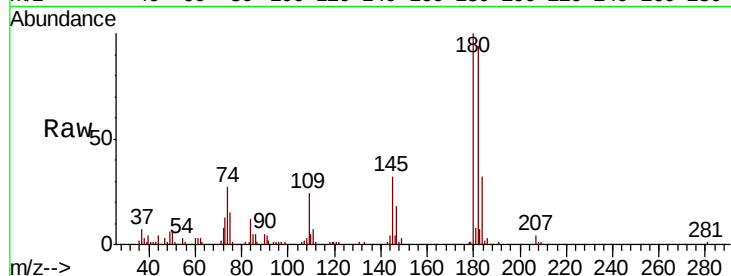




#92
 1,2,3-Trichlorobenzene
 Concen: 18.648 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055090.D
 Acq: 16 Apr 2019 20:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	188.2
145	31.4	0.0	61.2



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

