

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041919\
 Data File : VN055143.D
 Acq On : 19 Apr 2019 15:39
 Operator : JC/SP
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Apr 20 03:40:32 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	7.20	128	72626	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	387383	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	332398	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	169648	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	12.40	95	149536	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	10.09	98	481480	30.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	79123	18.524	ug/l 98
3) Chloromethane	2.06	50	106786	18.507	ug/l 98
4) Vinyl Chloride	2.19	62	89601	17.957	ug/l 100
5) Bromomethane	2.56	94	49406	17.118	ug/l 94
6) Chloroethane	2.70	64	49760	17.806	ug/l 99
7) Trichlorofluoromethane	3.02	101	134630	21.115	ug/l 99
8) Diethyl Ether	3.41	74	53382	26.075	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	83361	23.917	ug/l 95
10) 1,1-Dichloroethene	3.74	96	78278	24.291	ug/l 96
11) Methyl Iodide	3.96	142	116264	23.841	ug/l 92
12) Methyl Acetate	4.33	43	108301	27.323	ug/l 99
13) Acrolein	3.61	56	32959	94.878	ug/l 97
14) Acrylonitrile	4.99	53	196548	121.034	ug/l 99
15) Acetone	3.82	58	46338	115.314	ug/l 84
16) Carbon Disulfide	4.06	76	201573	18.648	ug/l 99
17) Allyl chloride	4.33	41	164717	20.756	ug/l 99
18) Methylene Chloride	4.55	84	96597	20.279	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	84156	20.061	ug/l 98
20) Diisopropyl ether	5.95	45	337986	21.023	ug/l 96
21) 1,1-Dichloroethane	5.85	63	176457	20.550	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	98859	20.275	ug/l 98
23) tert-Butyl Alcohol	4.79	59	39699	153.317	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	246550	22.785	ug/l # 65
25) Chloroform	7.37	83	173567	21.102	ug/l 96
26) Cyclohexane	7.66	56	149874	18.811	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	122873	20.367	ug/l 99
30) 2-Butanone	6.84	43	246476	123.077	ug/l 100
31) 2,2-Dichloropropane	6.83	77	107743	19.404	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	134847	21.146	ug/l 99
33) Carbon Tetrachloride	7.78	117	112586	20.393	ug/l 95
34) Benzene	8.04	78	371151	20.760	ug/l 98
35) Methacrylonitrile	7.17	41	44449	18.831	ug/l 96
36) 1,2-Dichloroethane	8.13	62	130787	21.404	ug/l 100
37) Trichloroethene	8.84	130	92745	20.349	ug/l 93
38) Methylcyclohexane	9.08	83	124275	17.763	ug/l 99
39) 1,2-Dichloropropane	9.12	63	107197	21.714	ug/l 98
40) Dibromomethane	9.21	93	61495	22.038	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	120440	20.914	ug/l	100
42) Vinyl Acetate	5.90	43	1161159	114.690	ug/l	100
43) Ethyl Acetate	6.93	43	106056	25.995	ug/l	97
44) Isopropyl Acetate	8.17	43	179839	26.011	ug/l #	83
45) 1,4-Dioxane	9.20	88	20711	540.701	ug/l	95
46) Methyl methacrylate	9.20	41	87675	24.513	ug/l	94
47) n-amyl Acetate	12.07	43	119578	23.482	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	111379	21.061	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	135600	20.771	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	84175	22.210	ug/l	98
51) Ethyl methacrylate	10.43	69	103137	22.829	ug/l	99
52) 1,3-Dichloropropane	10.71	76	147760	22.250	ug/l	98
53) Dibromochloromethane	10.90	129	81372	20.844	ug/l	97
54) 1,2-Dibromoethane	11.01	107	79781	22.423	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	195333	103.422	ug/l	99
56) Bromoform	12.13	173	52831	21.537	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	519981	135.650	ug/l	100
59) 2-Hexanone	10.75	43	324364	133.200	ug/l	99
61) Tetrachloroethene	10.63	164	88269	20.405	ug/l	96
62) Toluene	10.16	91	385030	21.023	ug/l	99
64) Chlorobenzene	11.43	112	223813	20.242	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	84226	21.418	ug/l	99
66) Ethyl Benzene	11.51	91	395701	20.155	ug/l	99
67) m/p-Xylenes	11.62	106	291705	39.972	ug/l	98
68) o-Xylene	11.95	106	147550	20.459	ug/l	98
69) Styrene	11.96	104	216760	19.356	ug/l	98
70) Isopropylbenzene	12.25	105	382498	19.837	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	108077	24.506	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	124891	34.291	ug/l	45
73) Bromobenzene	12.53	156	89523	19.643	ug/l	97
74) n-propylbenzene	12.59	91	406963	18.853	ug/l	100
75) 2-Chlorotoluene	12.67	91	259210	19.910	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	301577	19.346	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20123	21.919	ug/l	97
78) 4-Chlorotoluene	12.77	91	241992	19.508	ug/l	98
79) tert-butylbenzene	12.99	119	260742	19.331	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	291825	19.056	ug/l	99
81) sec-Butylbenzene	13.17	105	335973	18.641	ug/l	98
82) p-Isopropyltoluene	13.29	119	268408	17.646	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	144073	18.896	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	131471	18.145	ug/l	99
85) n-Butylbenzene	13.61	91	186320	15.377	ug/l	98
86) Hexachloroethane	13.87	117	44720	18.366	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	147134	19.705	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13720	23.407	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	46752	14.005	ug/l	94
90) Hexachlorobutadiene	15.01	225	40654	16.703	ug/l	99
91) Naphthalene	15.13	128	118061	16.890	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	54005	16.176	ug/l	99

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QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

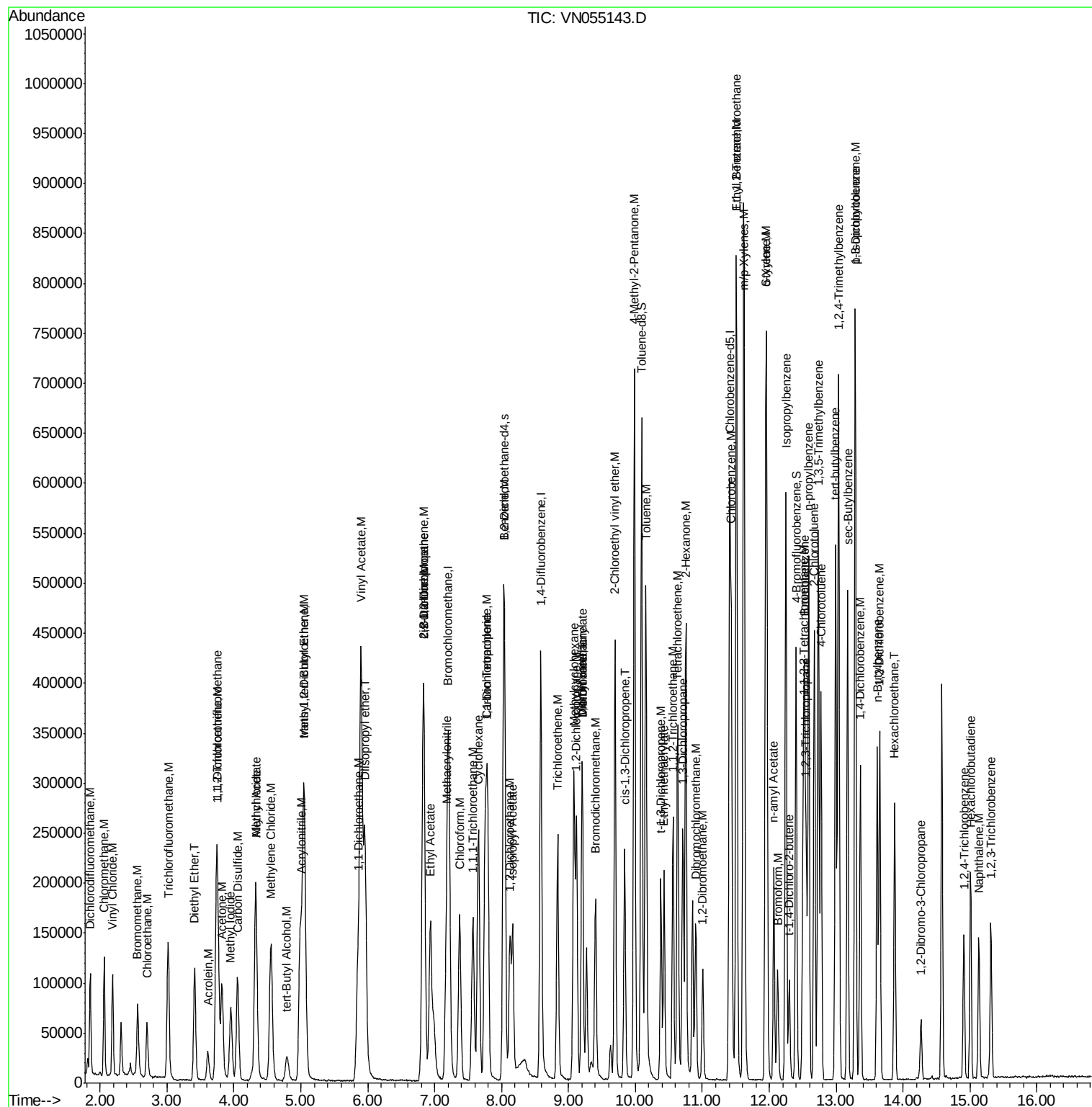
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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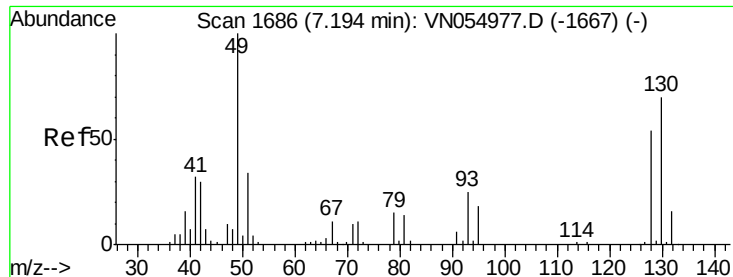
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041919\
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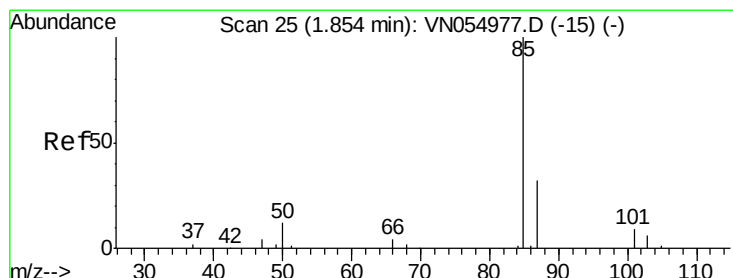
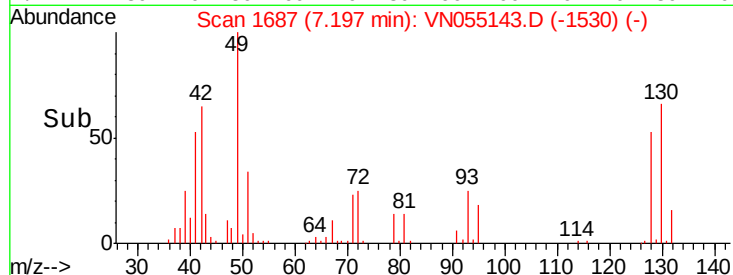
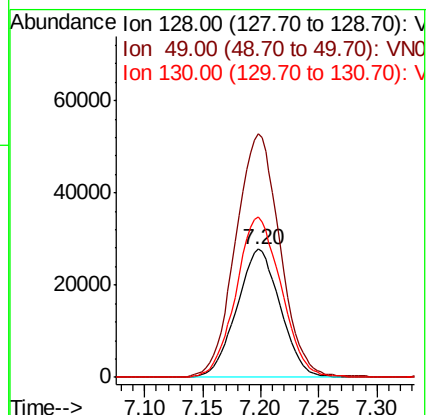
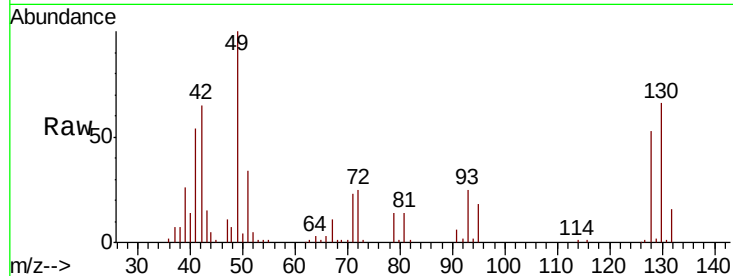




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

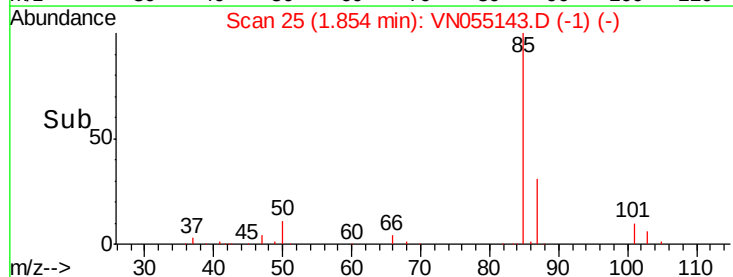
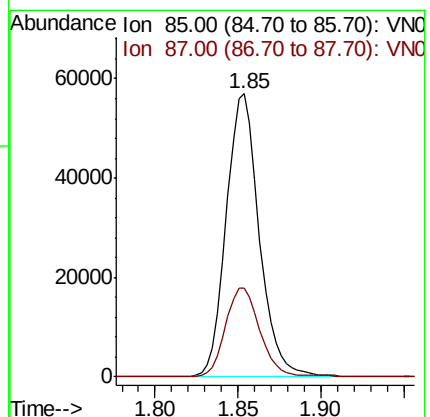
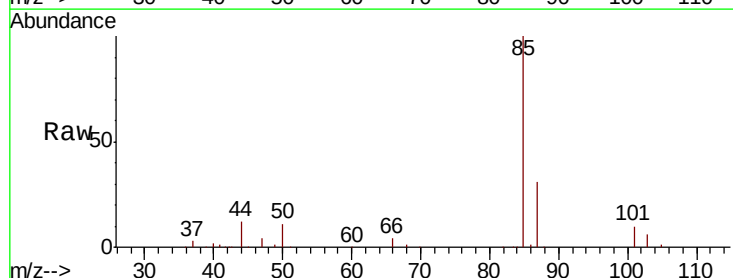
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

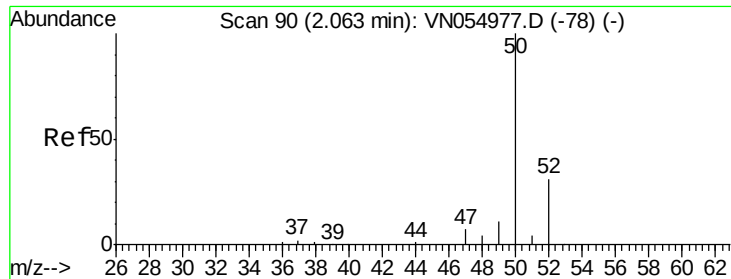
Tot Ion:128 Resp: 72626
Ion Ratio Lower Upper
128 100
49 192.7 0.0 480.3
130 129.3 0.0 322.2



#2
Dichlorodifluoromethane
Concen: 18.524 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 85 Resp: 79123
Ion Ratio Lower Upper
85 100
87 31.2 16.1 48.3

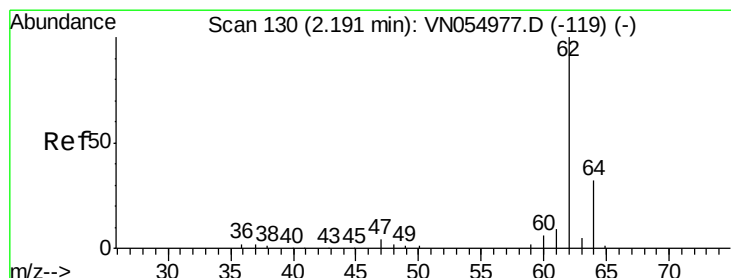
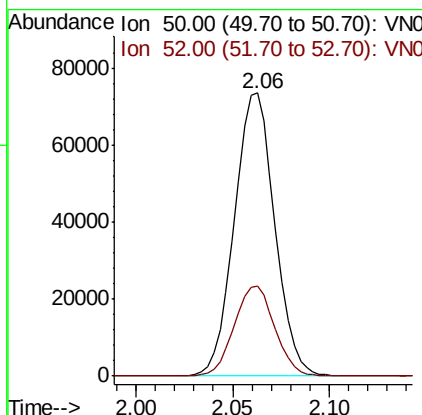
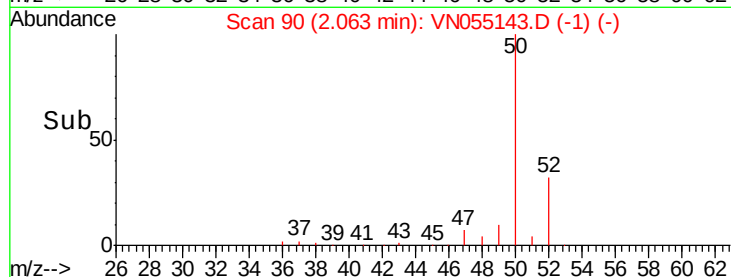
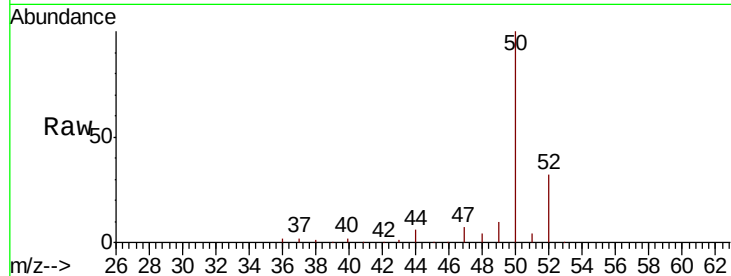




#3
 Chloromethane
 Concen: 18.507 ug/l
 RT: 2.06 min Scan# 90
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

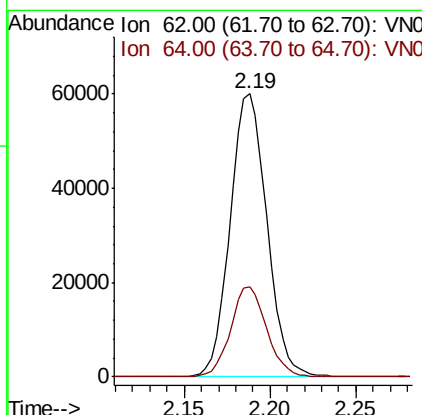
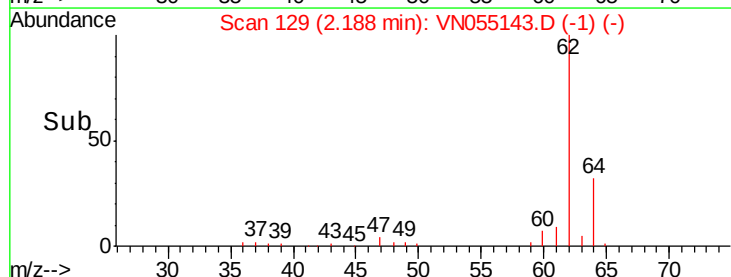
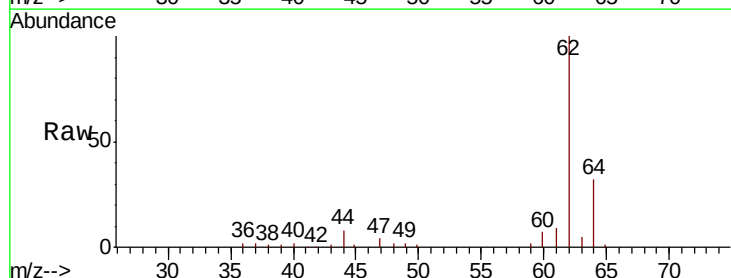
Instrument :
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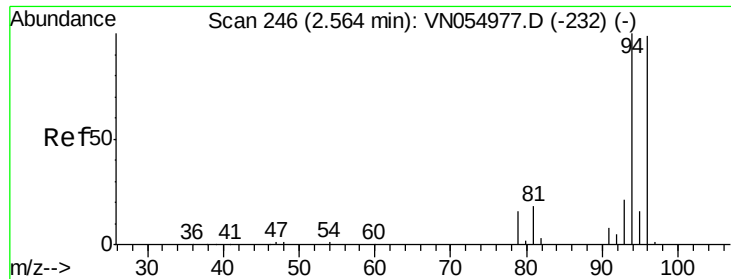
Tot Ion: 50 Resp: 106786
 Ion Ratio Lower Upper
 50 100
 52 31.9 24.5 36.7



#4
 Vinyl Chloride
 Concen: 17.957 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 62 Resp: 89601
 Ion Ratio Lower Upper
 62 100
 64 31.9 25.6 38.4





#5

Bromomethane

Concen: 17.118 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

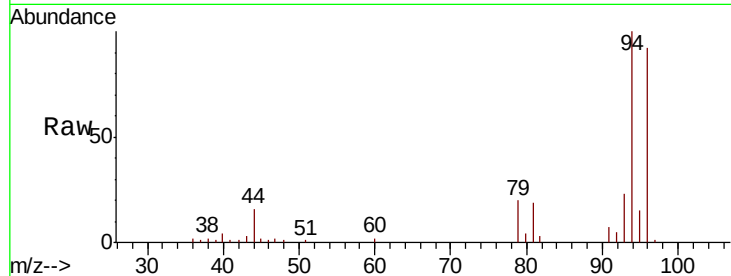
VSTDCCC020EC

Tot Ion: 94 Resp: 49406

Ion Ratio Lower Upper

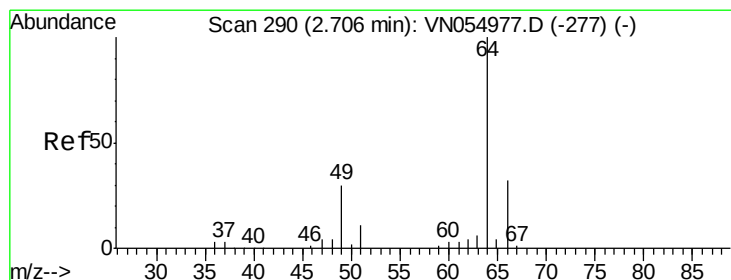
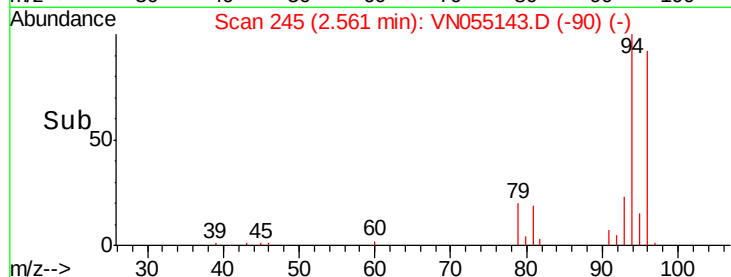
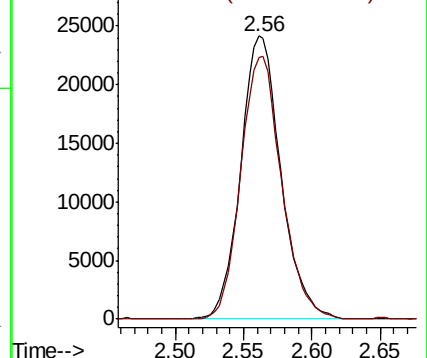
94 100

96 92.5 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: 17.806 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055143.D

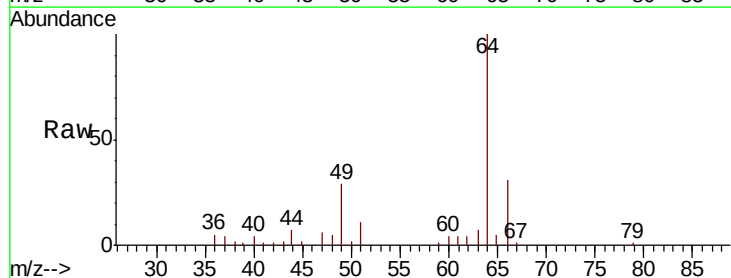
Acq: 19 Apr 2019 15:39

Tgt Ion: 64 Resp: 49760

Ion Ratio Lower Upper

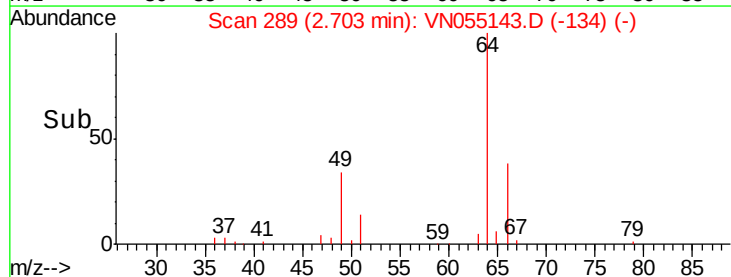
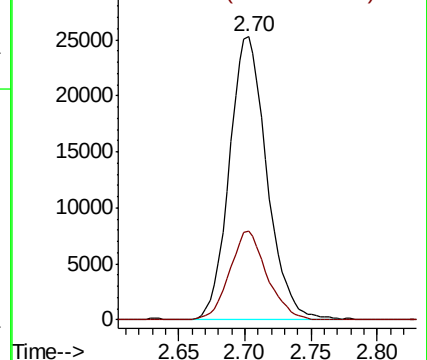
64 100

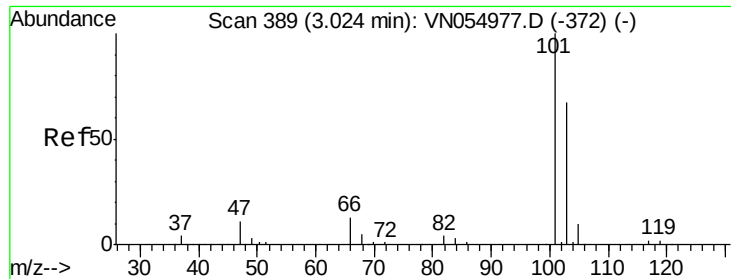
66 31.4 25.7 38.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



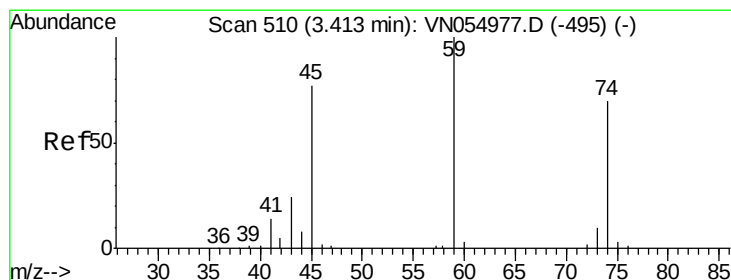
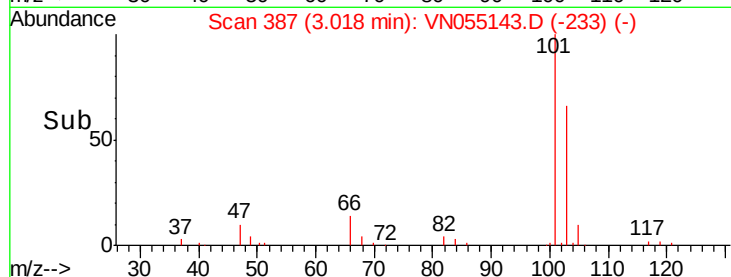
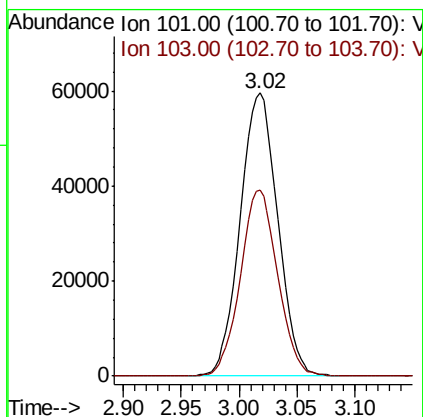
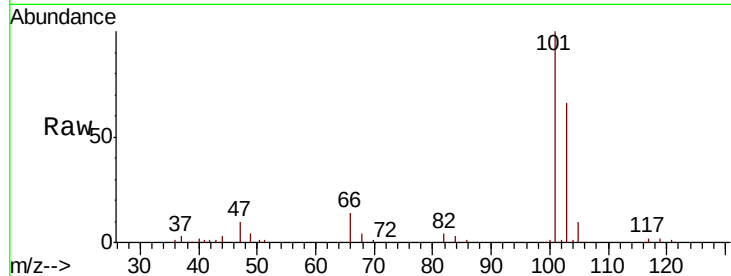


#7

Trichlorofluoromethane
 Concen: 21.115 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
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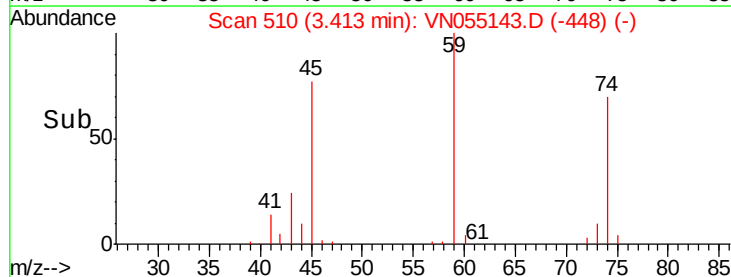
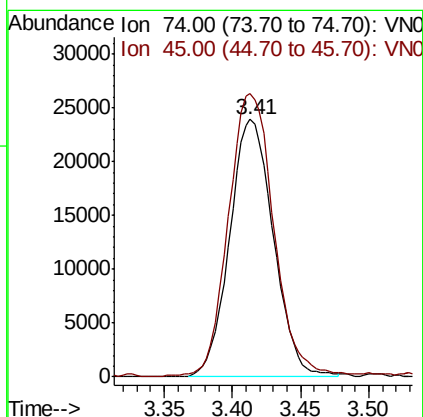
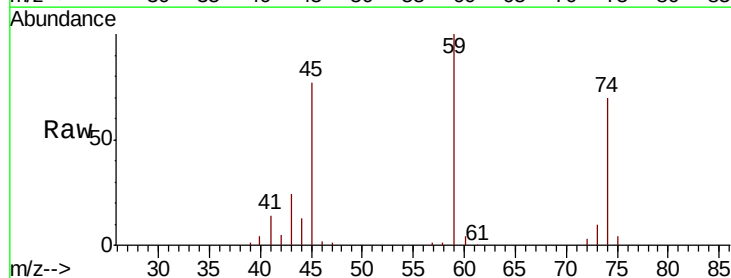
Tot Ion:101 Resp: 134630
 Ion Ratio Lower Upper
 101 100
 103 65.7 53.4 80.0

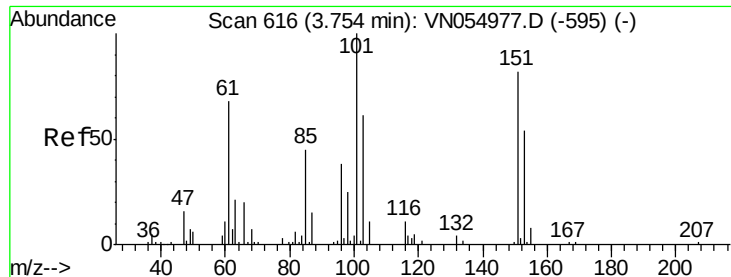


#8

Diethyl Ether
 Concen: 26.075 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 74 Resp: 53382
 Ion Ratio Lower Upper
 74 100
 45 114.8 22.9 205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.917 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

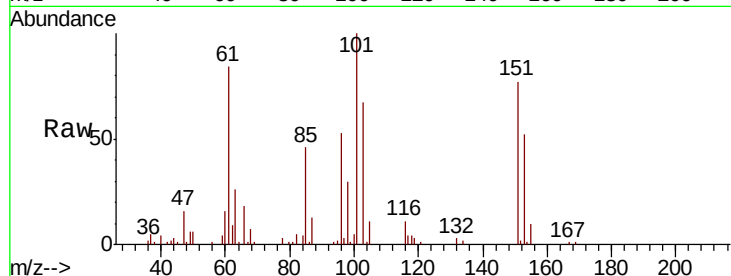
Tot Ion:101 Resp: 83361

Ion Ratio Lower Upper

101 100

85 43.4 0.0 91.4

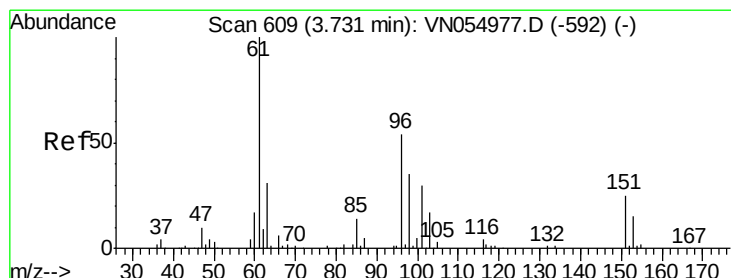
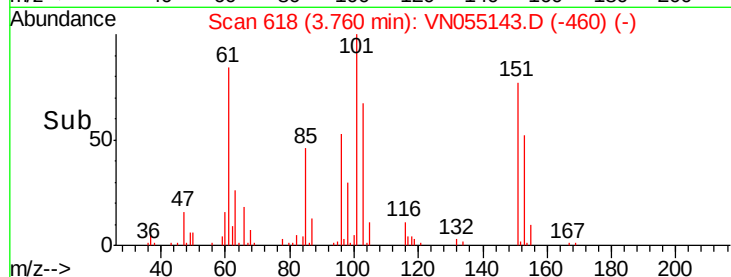
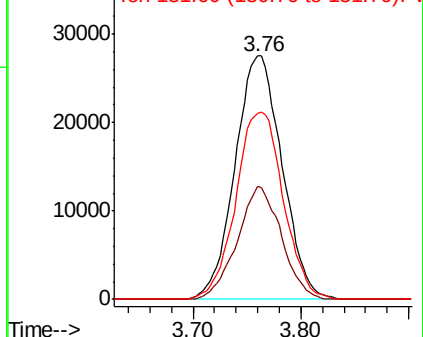
151 77.6 0.0 165.6



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: 24.291 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

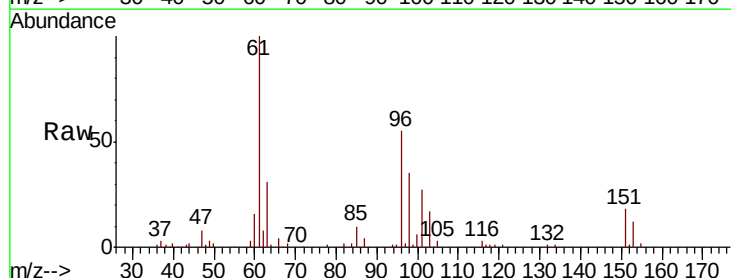
Tgt Ion: 96 Resp: 78278

Ion Ratio Lower Upper

96 100

61 179.6 148.4 222.6

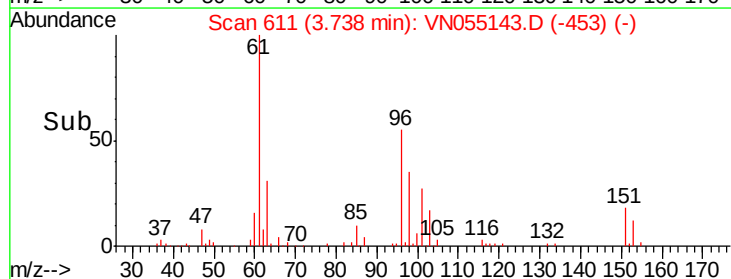
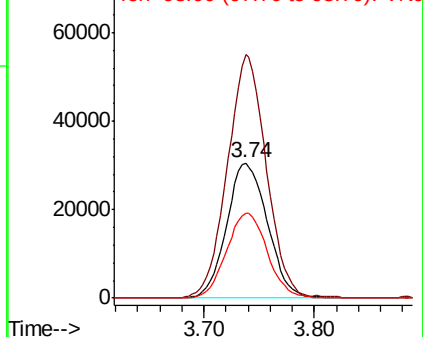
98 62.9 52.2 78.2

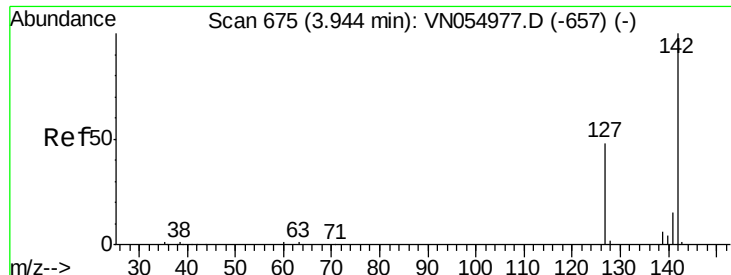


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

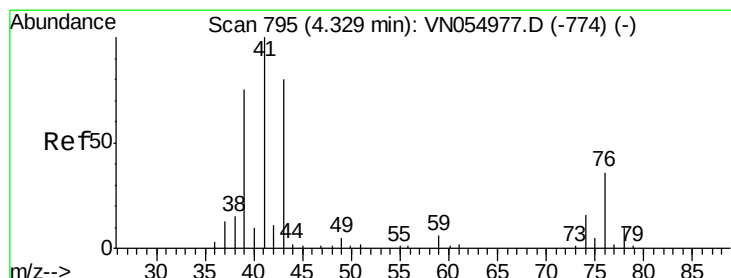
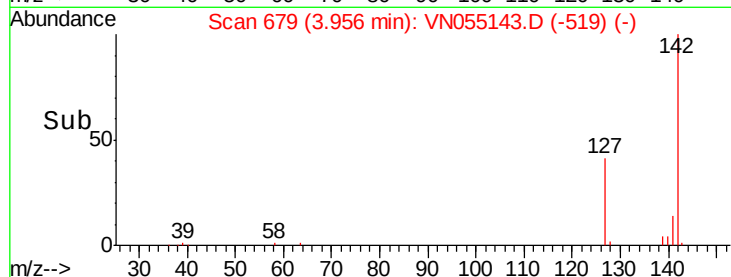
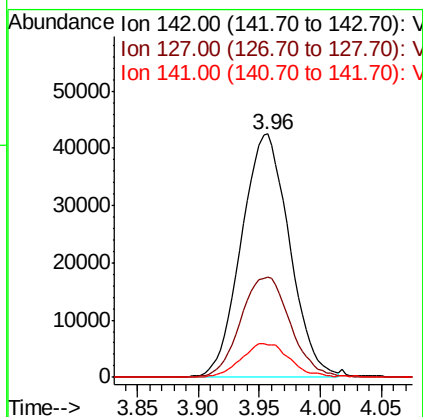
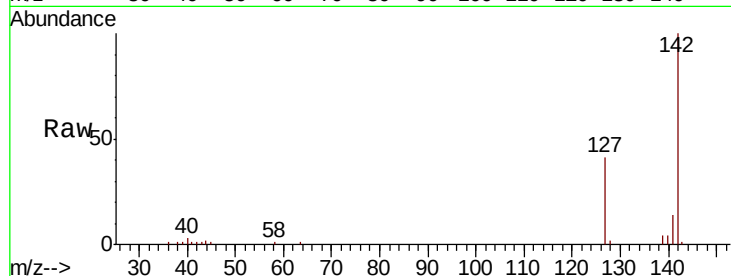




#11
Methvl Iodide
Concen: 23.841 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.01 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

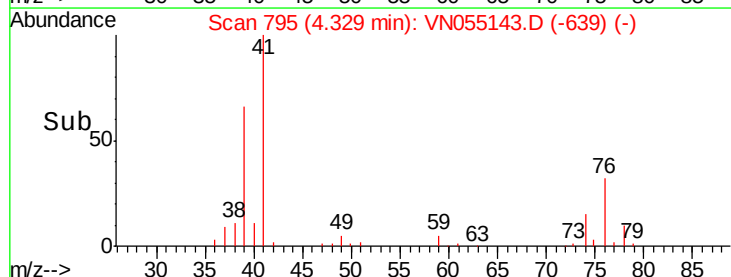
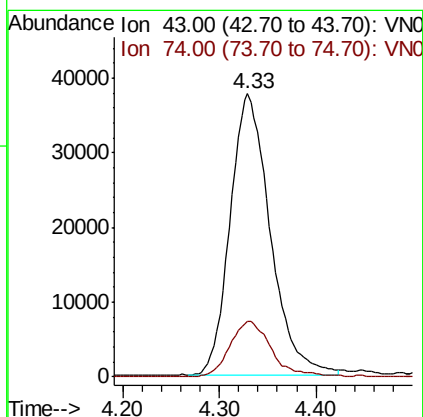
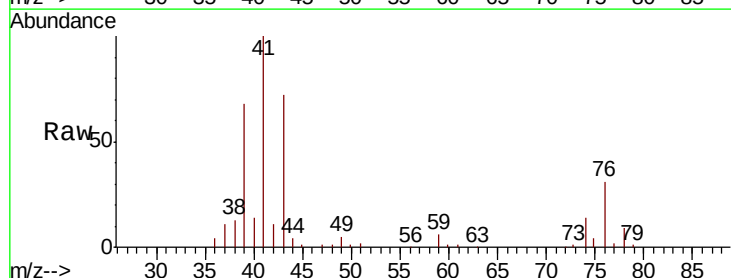
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

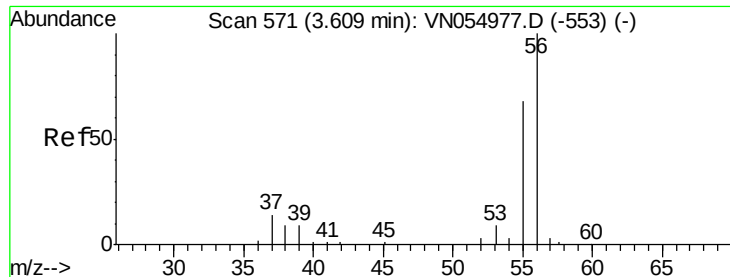
Tot Ion:142 Resp: 116264
Ion Ratio Lower Upper
142 100
127 41.1 23.8 71.5
141 13.4 7.3 22.0



#12
Methyl Acetate
Concen: 27.323 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 43 Resp: 108301
Ion Ratio Lower Upper
43 100
74 19.7 16.2 24.4





#13

Acrolein

Concen: 94.878 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

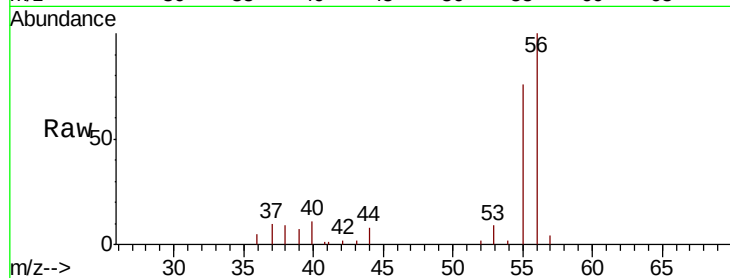
VSTDCCC020EC

Tot Ion: 56 Resp: 32959

Ion Ratio Lower Upper

56 100

55 73.8 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

3.61

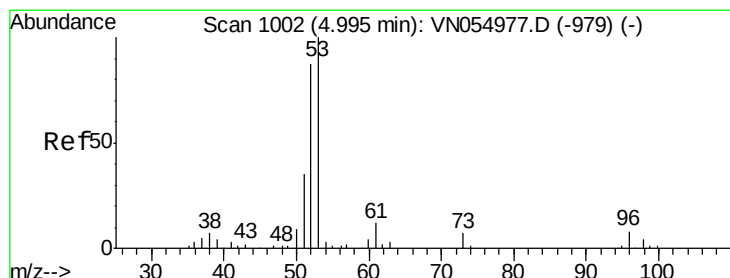
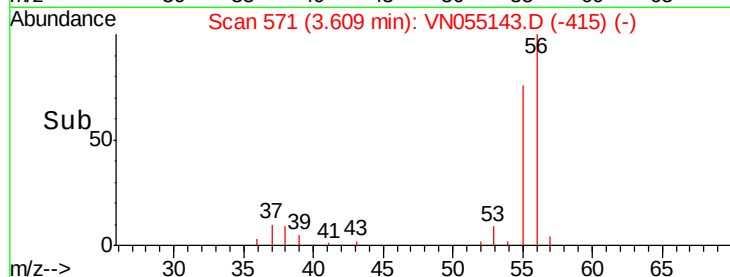
10000

5000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 121.034 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

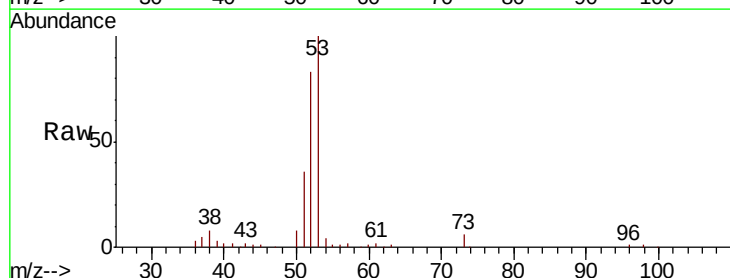
Tgt Ion: 53 Resp: 196548

Ion Ratio Lower Upper

53 100

52 83.0 42.3 126.8

51 36.7 18.6 56.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

80000

60000

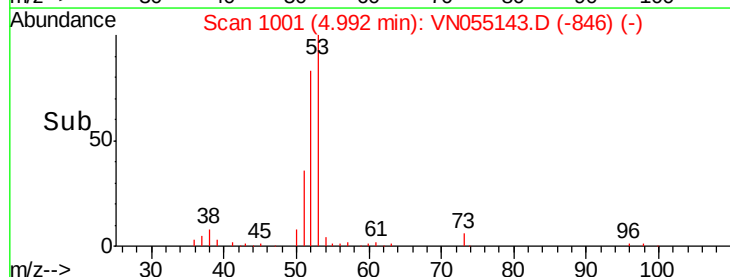
40000

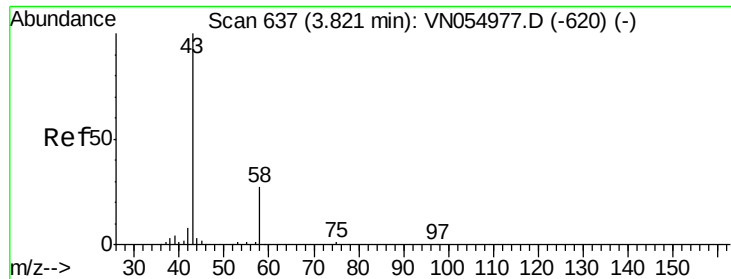
20000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 115.314 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

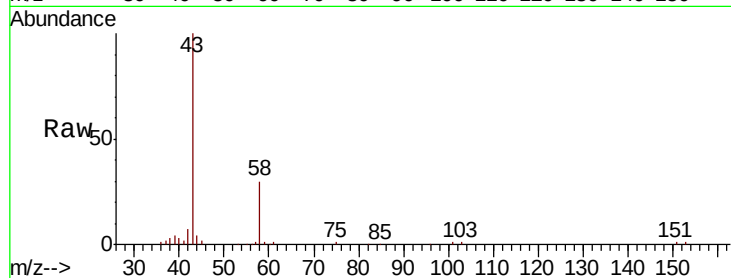
VSTDCCC020EC

Tot Ion: 58 Resp: 46338

Ion Ratio Lower Upper

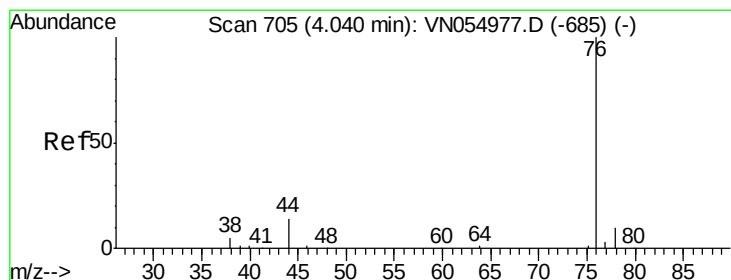
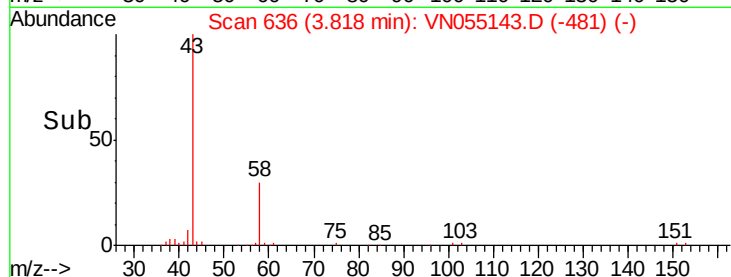
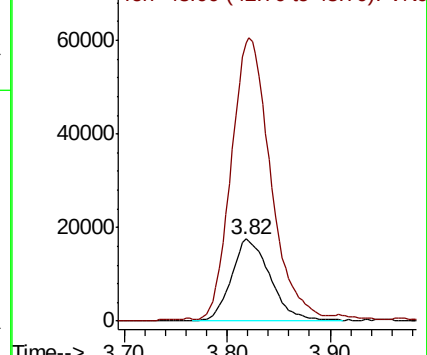
58 100

43 336.2 297.2 445.8



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.648 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.02 min

Lab File: VN055143.D

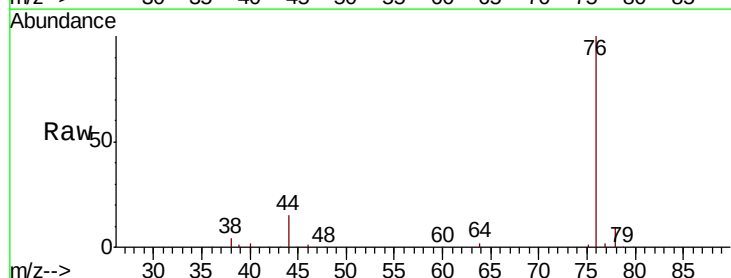
Acq: 19 Apr 2019 15:39

Tgt Ion: 76 Resp: 201573

Ion Ratio Lower Upper

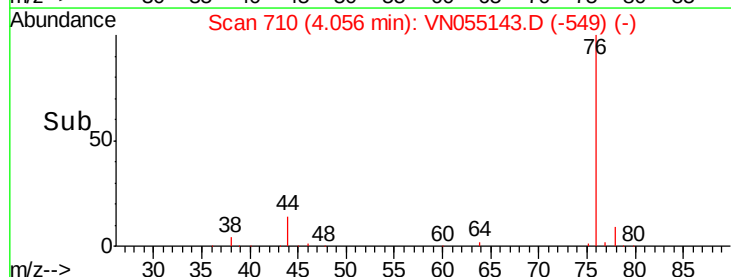
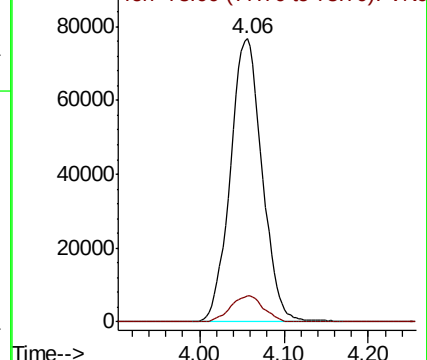
76 100

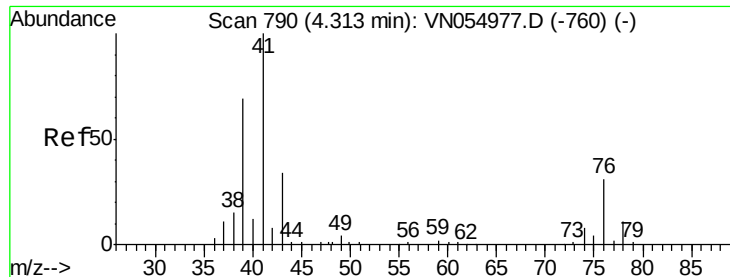
78 9.5 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.756 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

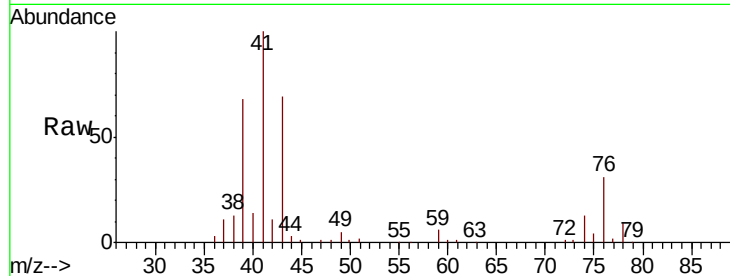
Tot Ion: 41 Resp: 164717

Ion Ratio Lower Upper

41 100

39 68.1 34.3 102.9

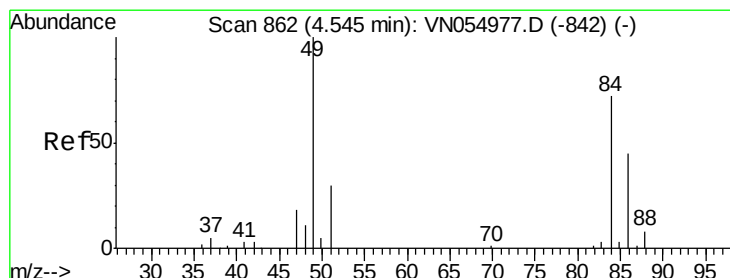
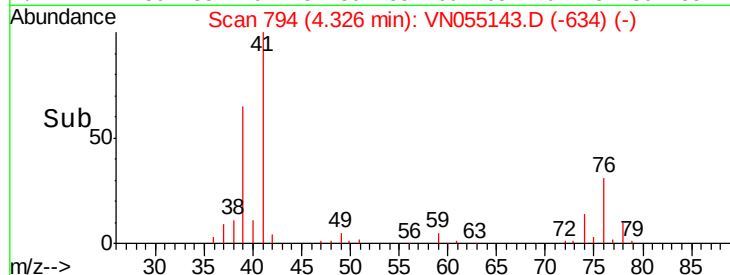
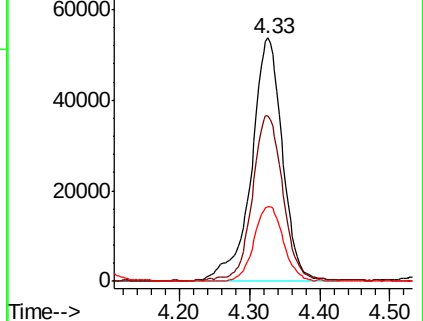
76 30.6 15.8 47.3



Abundance Ion 41.00 (40.70 to 41.70): VN055143.D (-634) (-)

Ion 39.00 (38.70 to 39.70): VN055143.D (-634) (-)

Ion 76.00 (75.70 to 76.70): VN055143.D (-634) (-)



#18

Methylene Chloride

Concen: 20.279 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Tgt Ion: 84 Resp: 96597

Ion Ratio Lower Upper

84 100

49 141.4 111.0 166.4

51 41.9 33.4 50.2

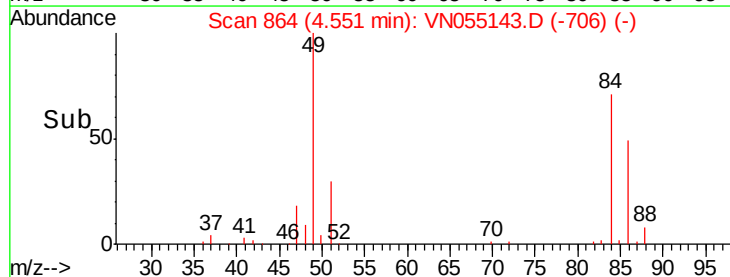
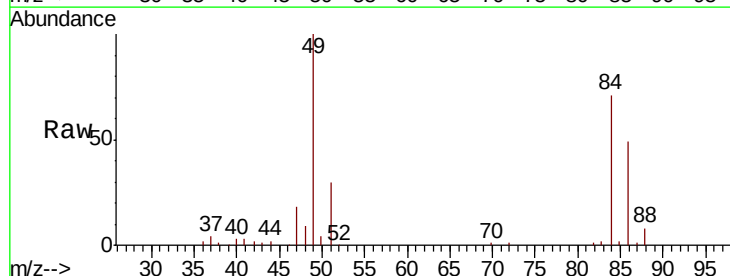
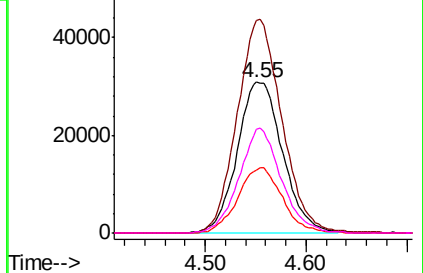
86 68.8 49.5 74.3

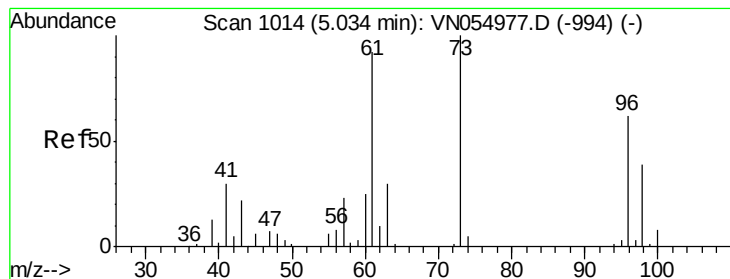
Abundance Ion 84.00 (83.70 to 84.70): VN055143.D (-706) (-)

Ion 49.00 (48.70 to 49.70): VN055143.D (-706) (-)

Ion 51.00 (50.70 to 51.70): VN055143.D (-706) (-)

Ion 86.00 (85.70 to 86.70): VN055143.D (-706) (-)





#19

trans-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

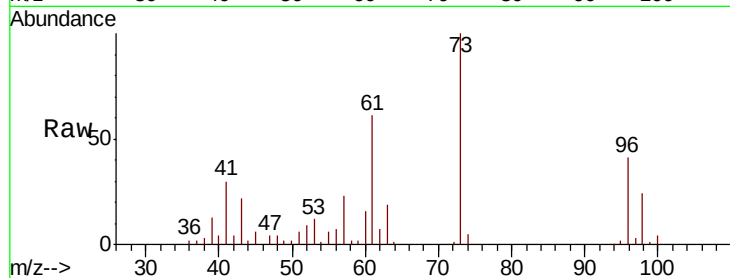
Tot Ion: 96 Resp: 84156

Ion Ratio Lower Upper

96 100

61 148.3 117.2 175.8

98 59.5 49.4 74.2

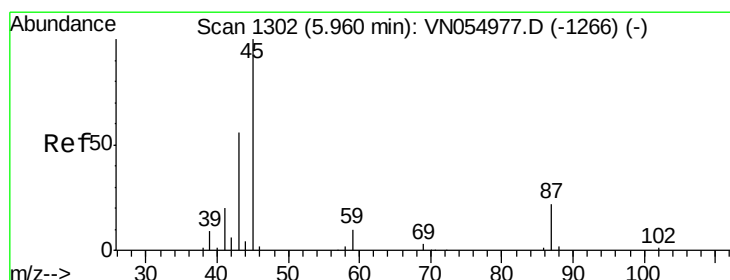
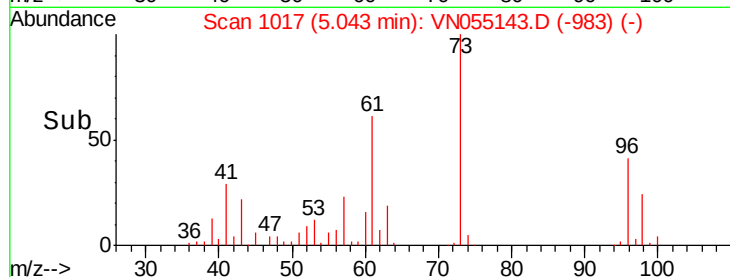
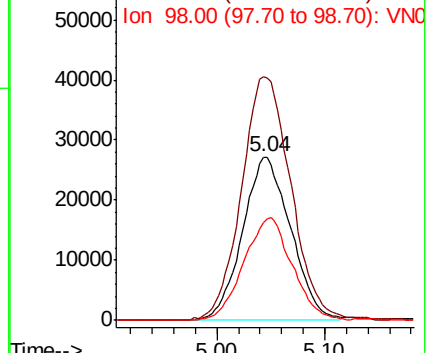


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 21.023 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Tgt Ion: 45 Resp: 337986

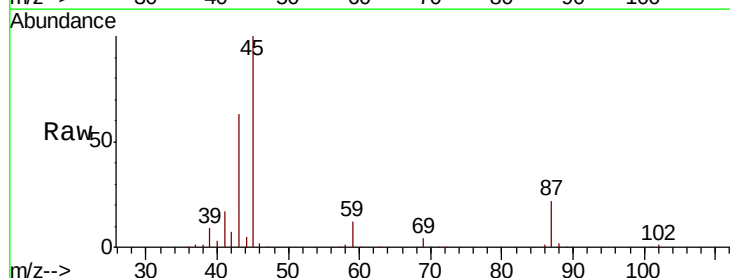
Ion Ratio Lower Upper

45 100

43 60.9 45.8 68.8

87 21.8 18.2 27.4

59 11.2 8.2 12.2



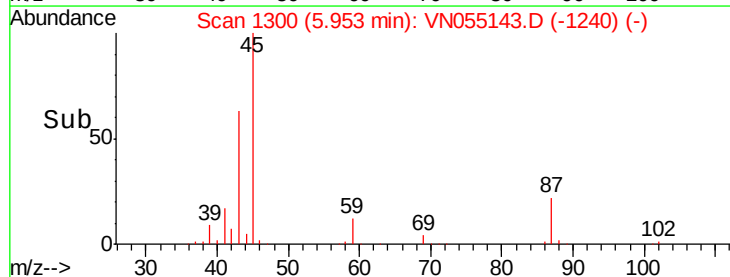
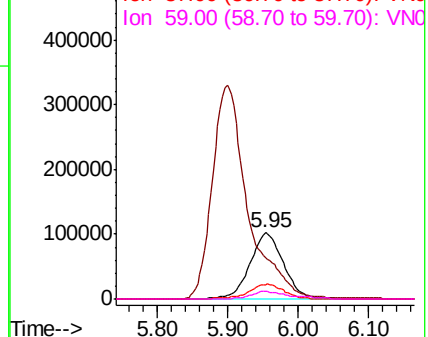
Abundance

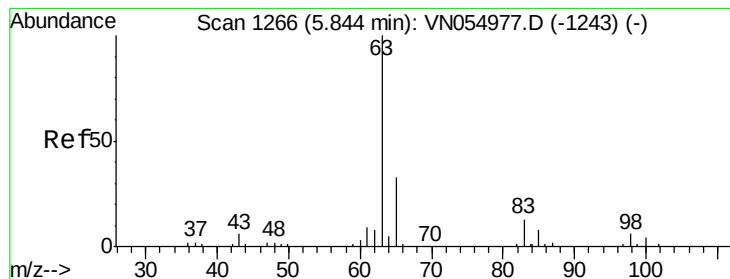
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 20.550 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

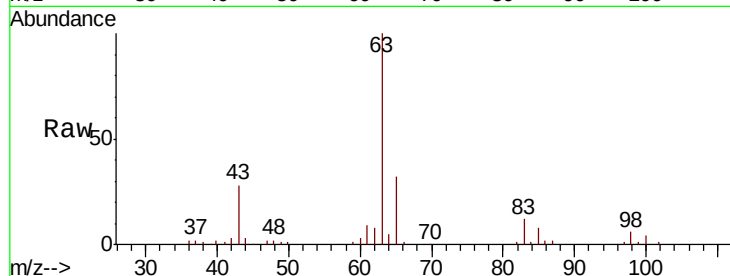
Tot Ion: 63 Resp: 176457

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.7

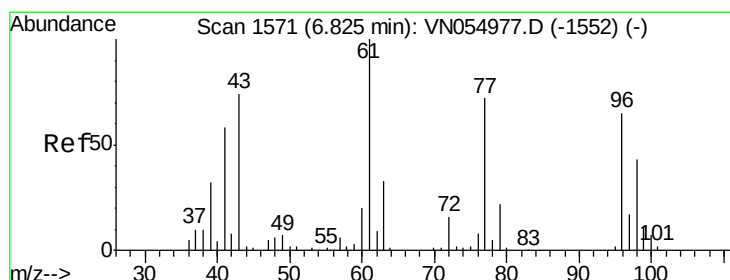
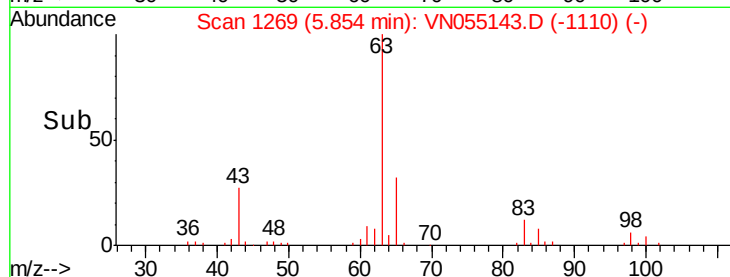
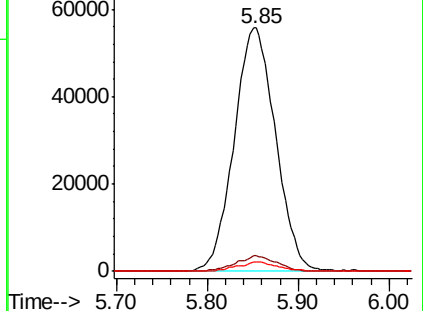
100 4.1 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN054977.D (-1243) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1243) (-)

Ion 100.00 (99.70 to 100.70): VN054977.D (-1243) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.275 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

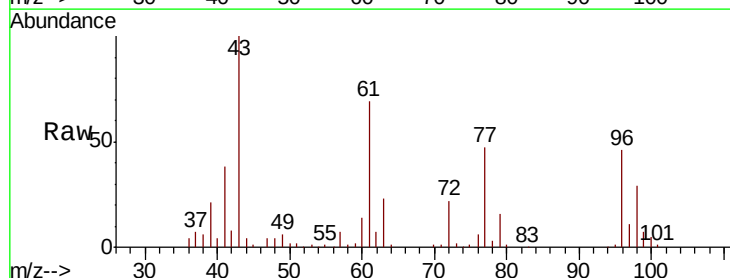
Tgt Ion: 96 Resp: 98859

Ion Ratio Lower Upper

96 100

61 153.4 125.0 187.6

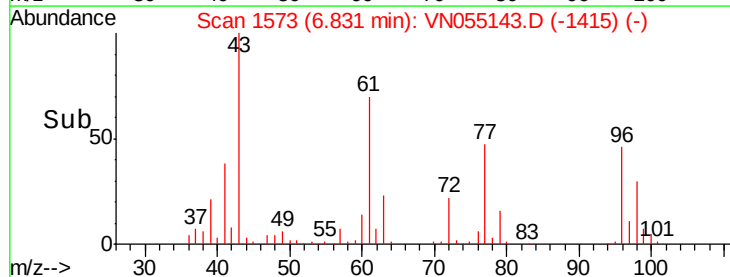
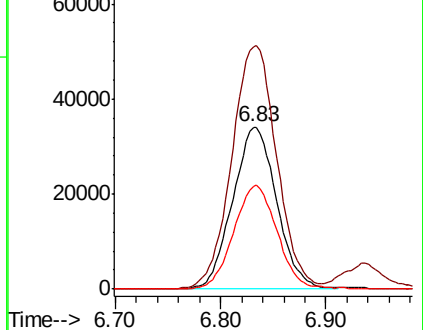
98 63.2 52.2 78.2

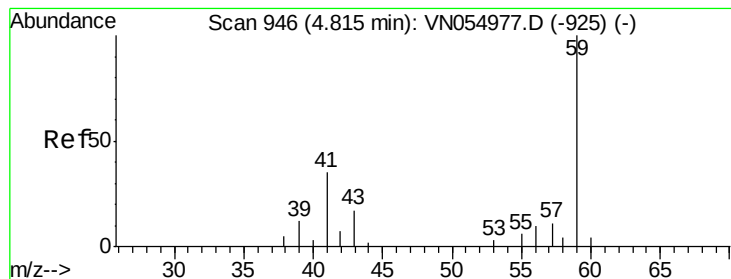


Abundance Ion 96.00 (95.70 to 96.70): VN054977.D (-1552) (-)

Ion 61.00 (60.70 to 61.70): VN054977.D (-1552) (-)

Ion 98.00 (97.70 to 98.70): VN054977.D (-1552) (-)



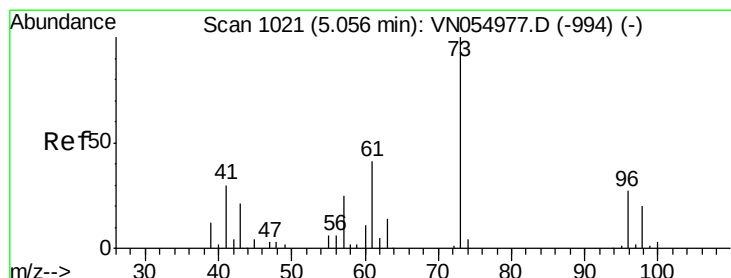
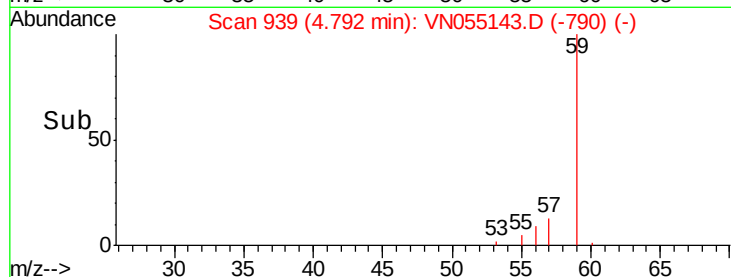
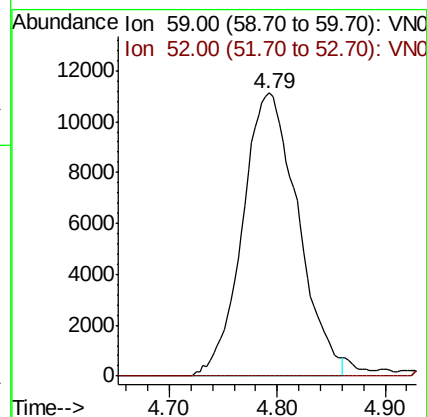
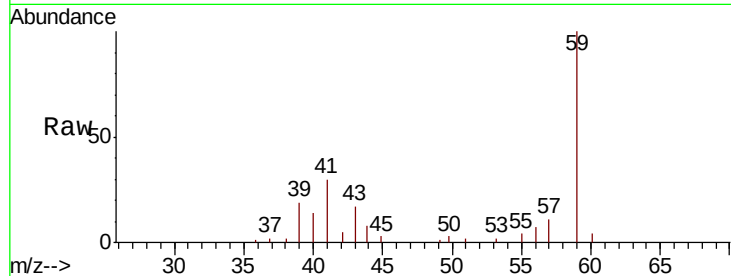


#23

tert-Butyl Alcohol
 Concen: 153.317 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.02 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

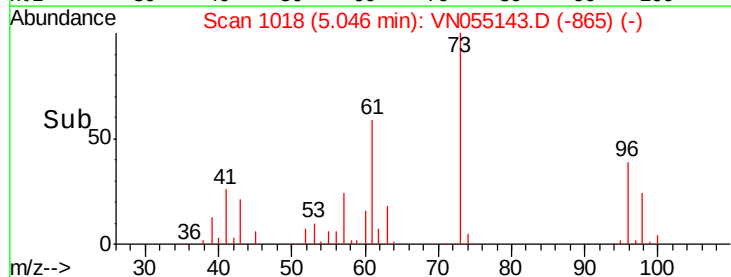
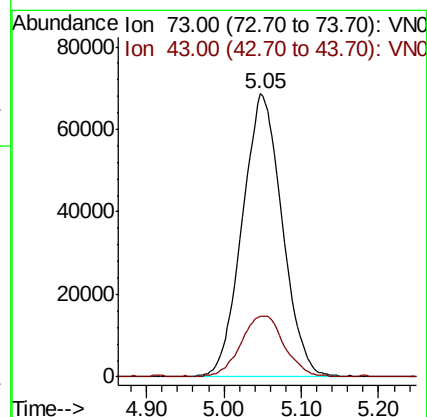
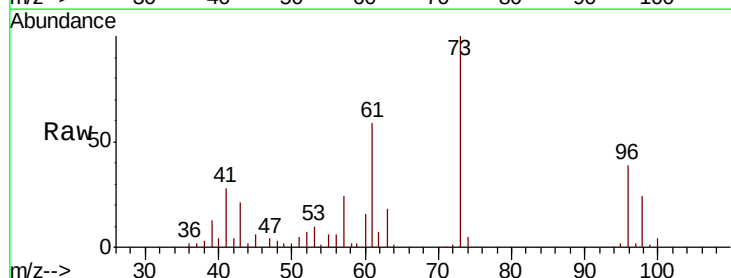
Tot Ion: 59 Resp: 39699
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

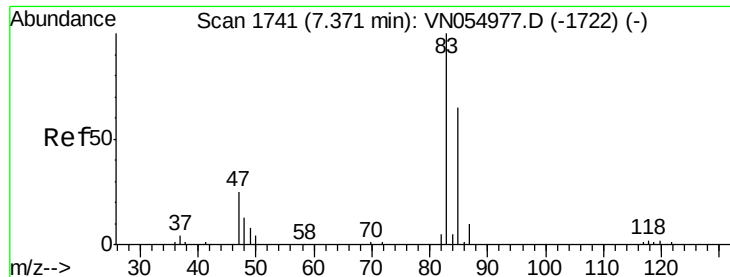


#24

Methyl tert-Butyl Ether
 Concen: 22.785 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 73 Resp: 246550
 Ion Ratio Lower Upper
 73 100
 43 22.9 8.0 12.0#

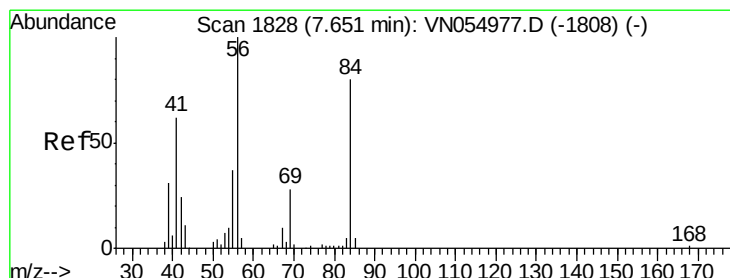
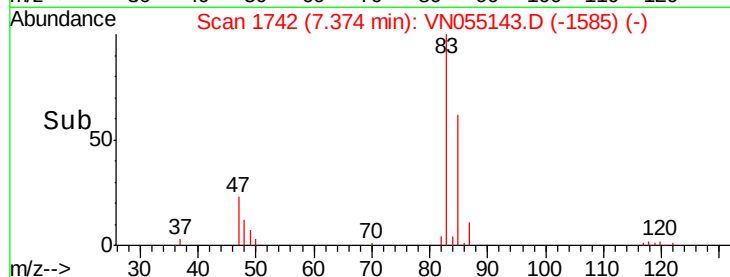
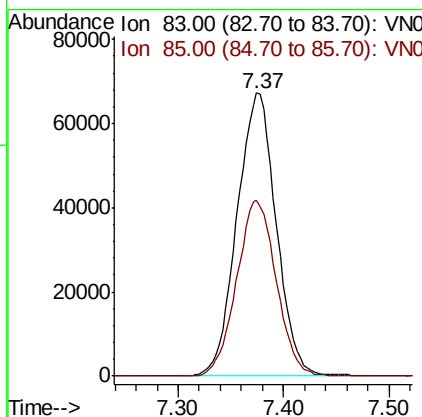
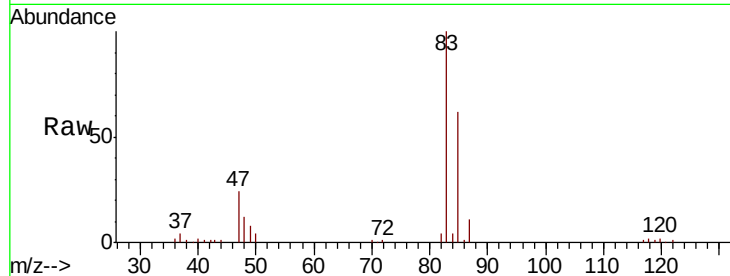




#25
Chloroform
Concen: 21.102 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

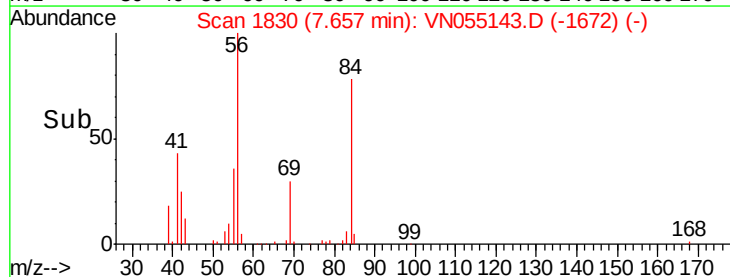
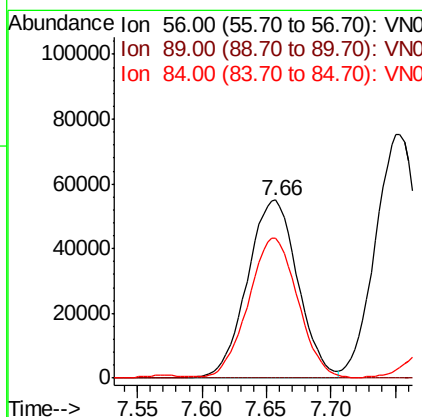
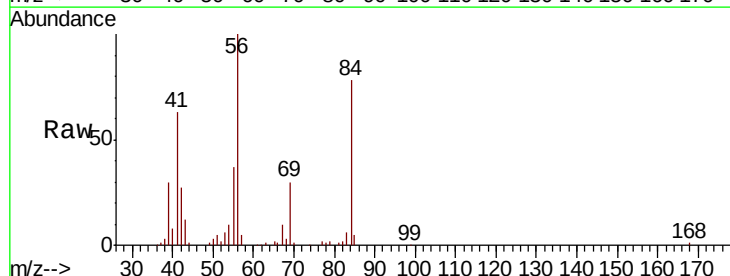
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

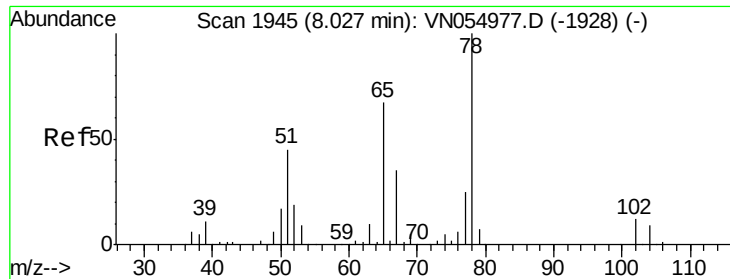
Tot Ion: 83 Resp: 173567
Ion Ratio Lower Upper
83 100
85 61.9 51.8 77.8



#26
Cyclohexane
Concen: 18.811 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 56 Resp: 149874
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.5 63.5 95.3

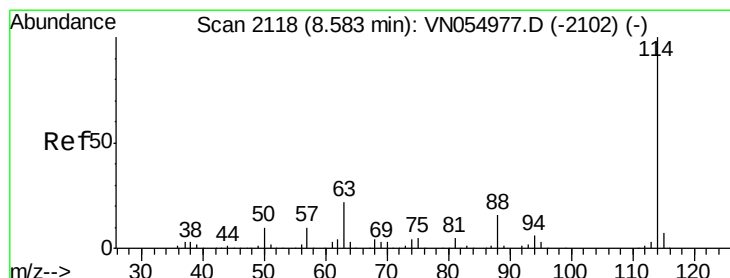
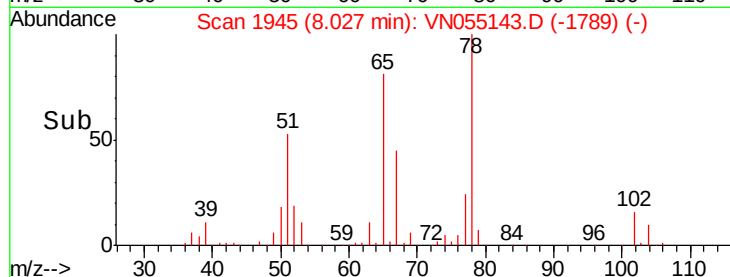
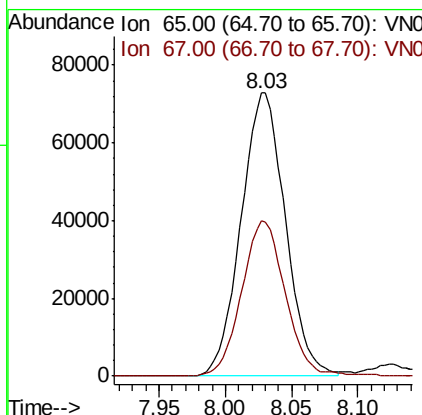
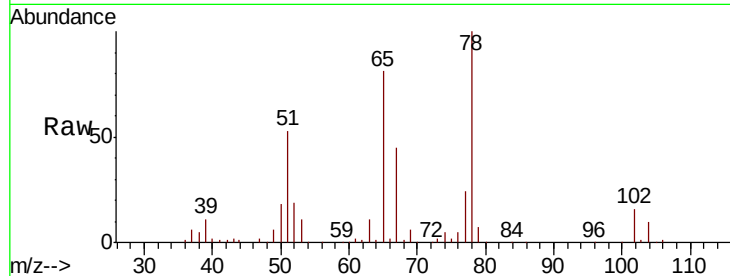




#27
 1,2-Dichloroethane-d4
 Concen: 18.811 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

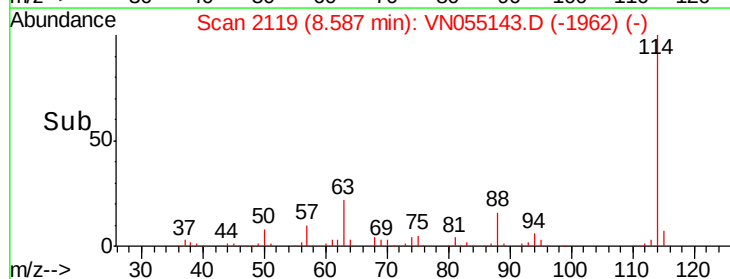
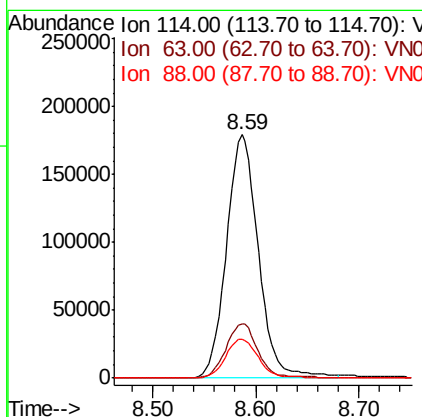
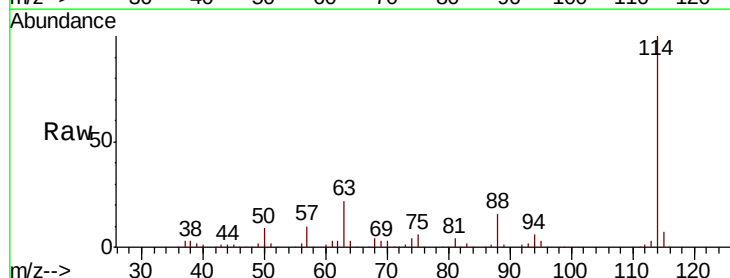
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

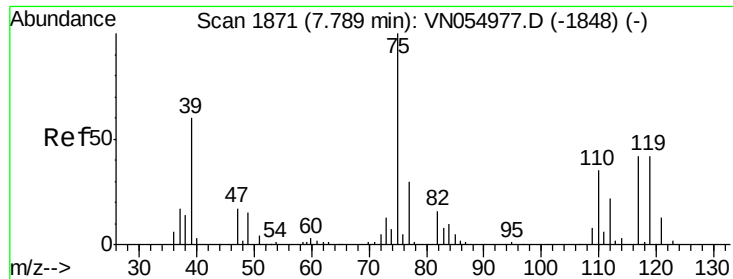
Tot Ion: 65 Resp: 169648
 Ion Ratio Lower Upper
 65 100
 67 54.2 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 114 Resp: 387383
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.0 25.4
 88 16.1 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.367 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

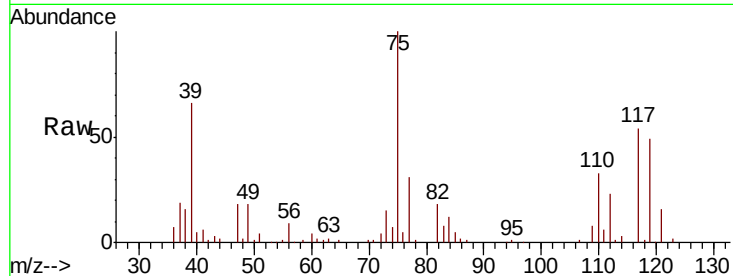
Tot Ion: 75 Resp: 122873

Ion Ratio Lower Upper

75 100

110 33.8 0.0 68.4

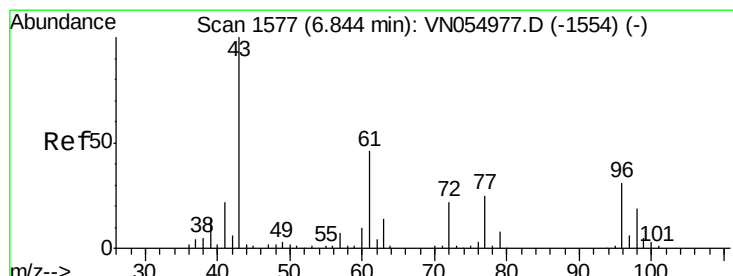
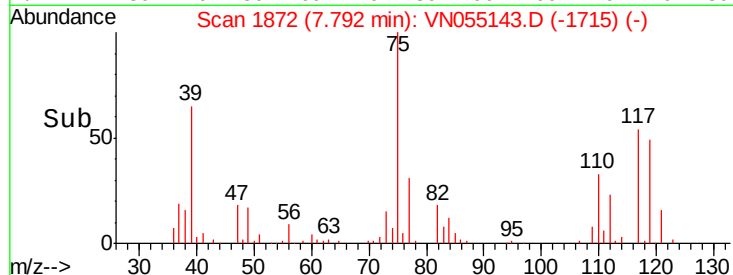
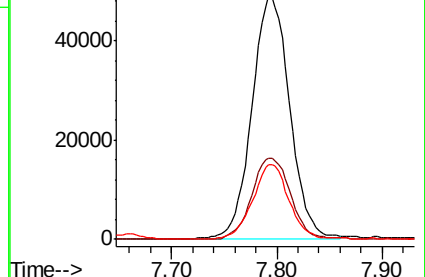
77 29.6 0.0 58.6



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: 123.077 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

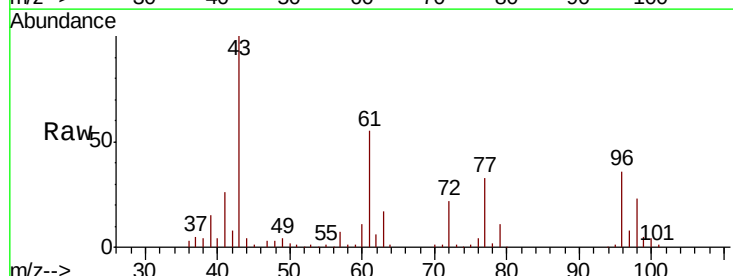
Tgt Ion: 43 Resp: 246476

Ion Ratio Lower Upper

43 100

57 7.4 6.0 9.0

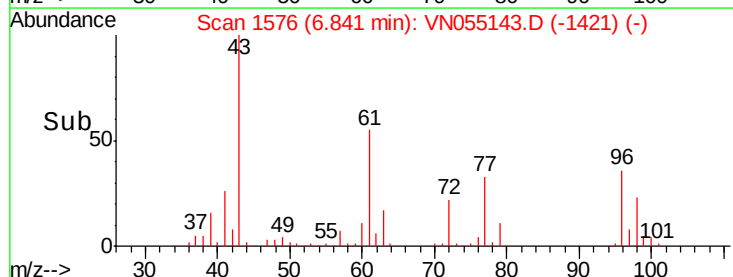
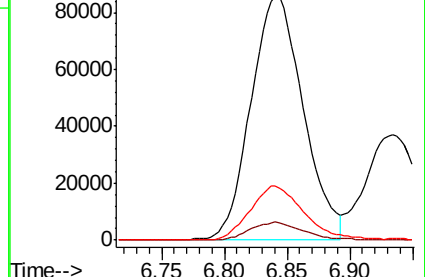
72 23.1 18.6 27.8

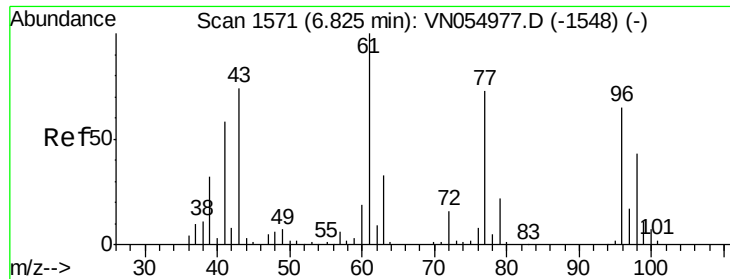


Abundance Ion 43.00 (42.70 to 43.70): VN054977.D (-1554) (-)

Ion 57.00 (56.70 to 57.70): VN054977.D (-1554) (-)

Ion 72.00 (71.70 to 72.70): VN054977.D (-1554) (-)

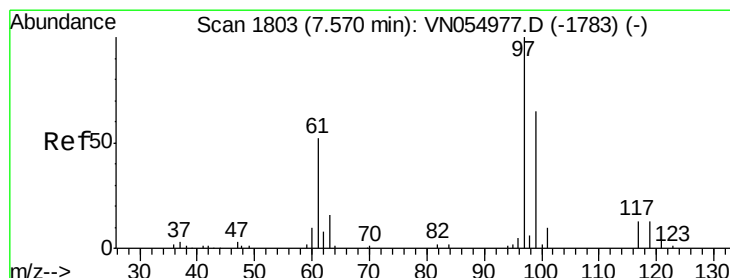
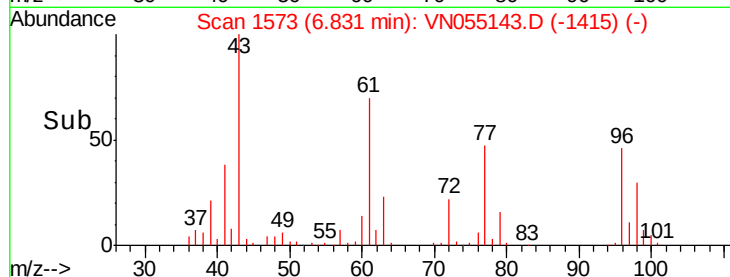
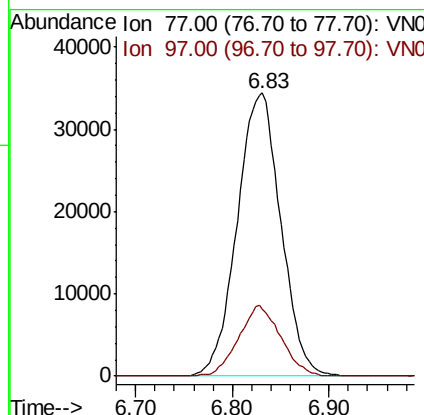
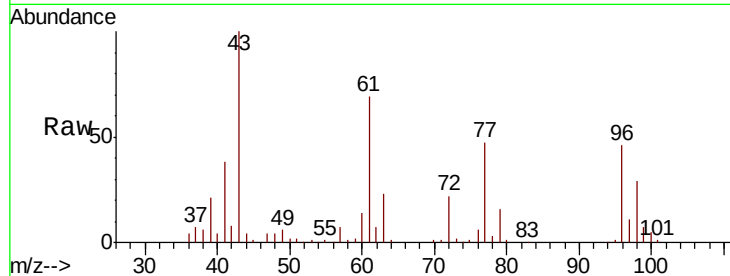




#31
 2,2-Dichloropropane
 Concen: 19.404 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

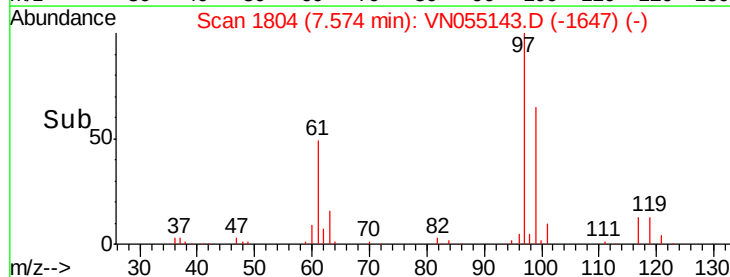
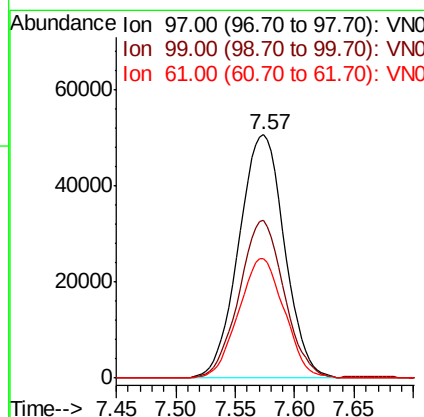
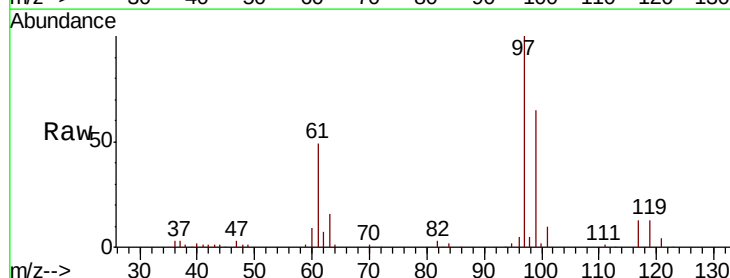
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

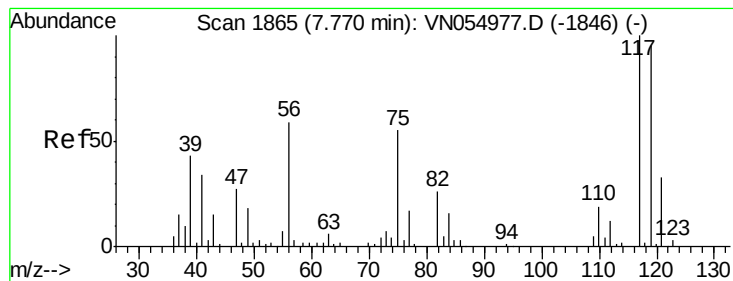
Tot Ion: 77 Resp: 107743
 Ion Ratio Lower Upper
 77 100
 97 24.0 0.0 0.0#



#32
 1,1,1-Trichloroethane
 Concen: 21.146 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 97 Resp: 134847
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.2 76.8
 61 49.2 40.6 60.8





#33

Carbon Tetrachloride

Concen: 20.393 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.01 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

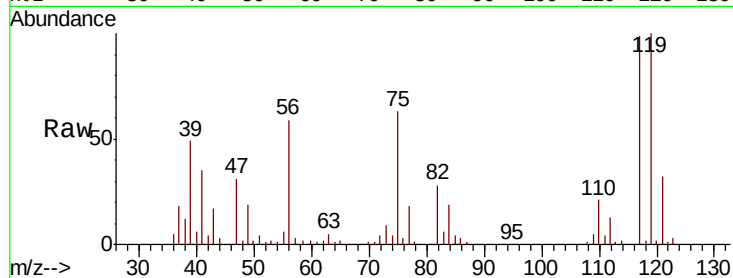
Tot Ion:117 Resp: 112586

Ion Ratio Lower Upper

117 100

119 100.8 76.1 114.1

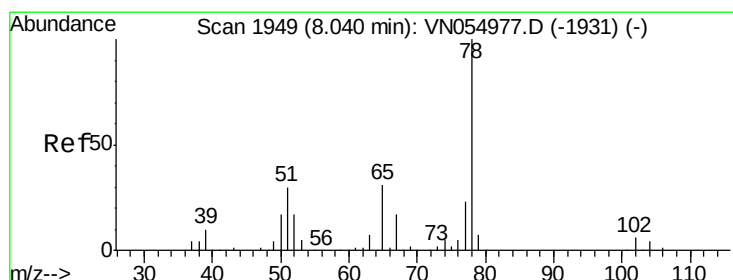
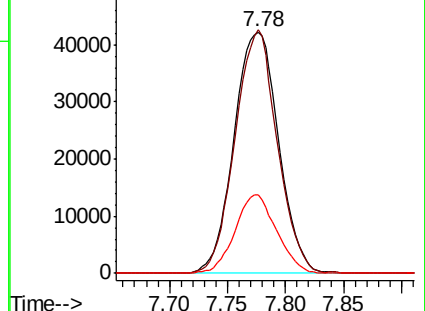
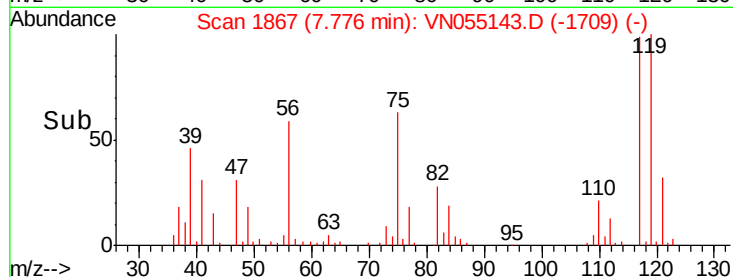
121 32.4 26.2 39.4



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: 20.760 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

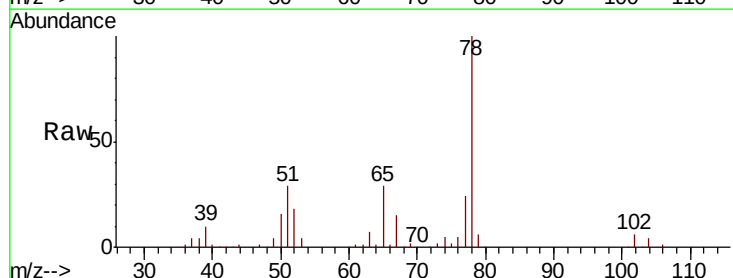
Tgt Ion: 78 Resp: 371151

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.4

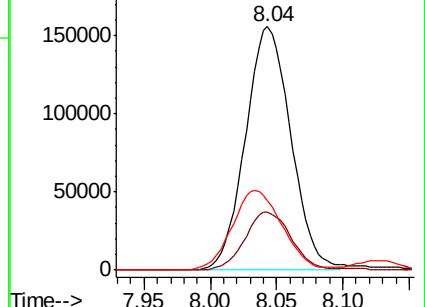
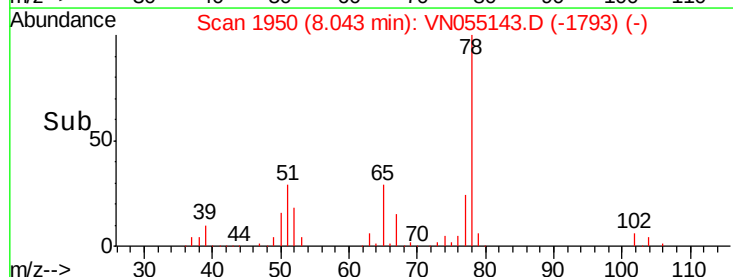
51 28.2 23.7 35.5

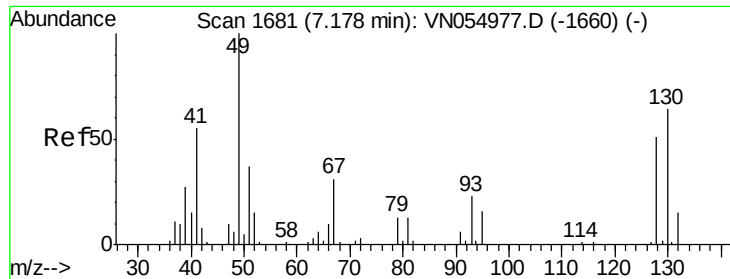


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

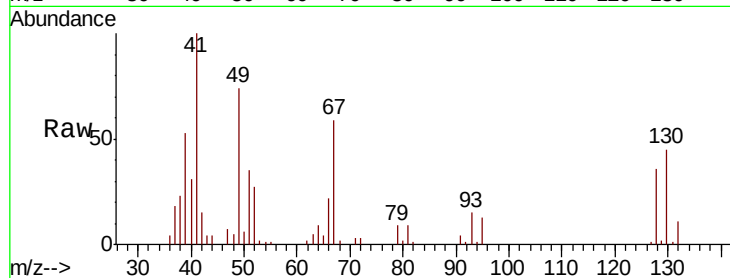




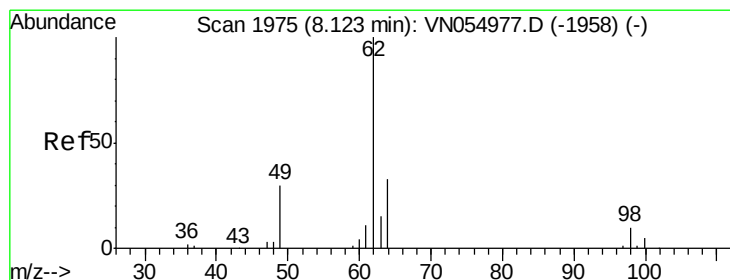
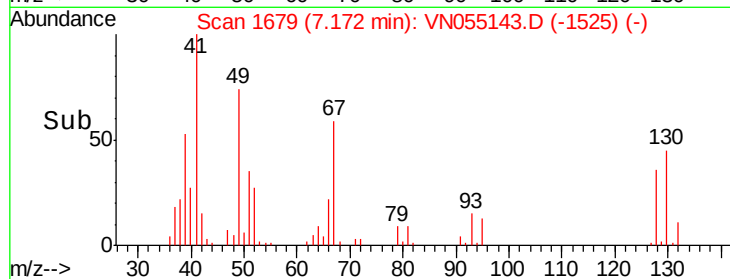
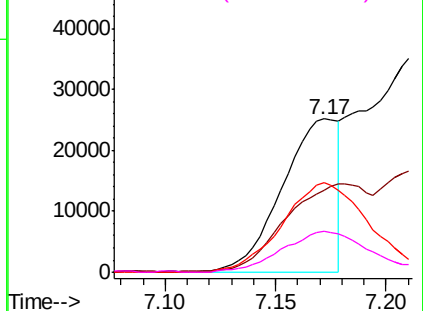
#35
Methacrylonitrile
Concen: 18.831 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 44449
Ion Ratio Lower Upper
41 100
39 52.6 24.2 72.6
67 58.7 28.1 84.2
52 26.7 13.3 39.8

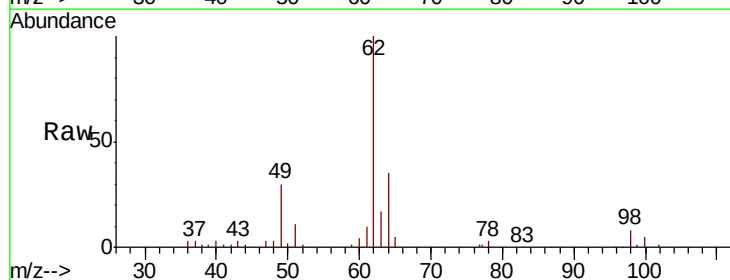


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

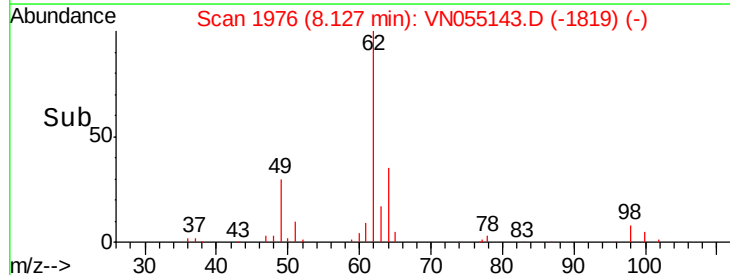
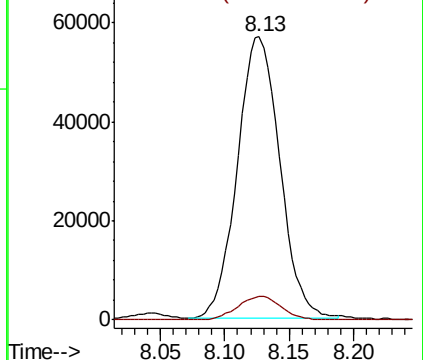


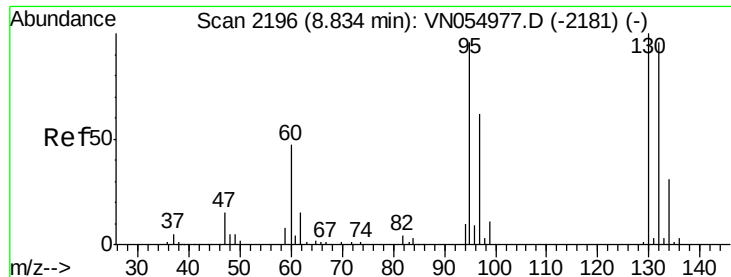
#36
1,2-Dichloroethane
Concen: 21.404 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 62 Resp: 130787
Ion Ratio Lower Upper
62 100
98 8.5 6.9 10.3



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





#37

Trichloroethene

Concen: 20.349 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

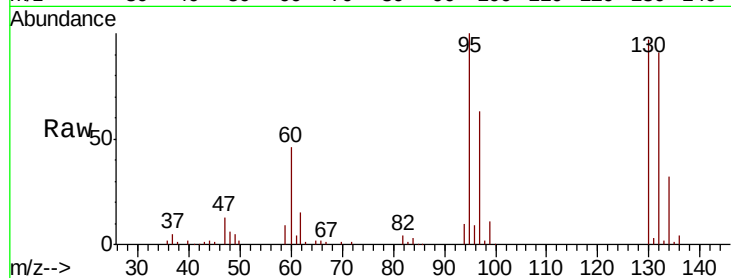
VSTDCCC020EC

Tot Ion:130 Resp: 92745

Ion Ratio Lower Upper

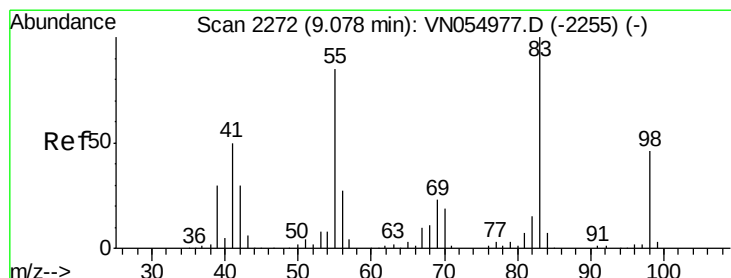
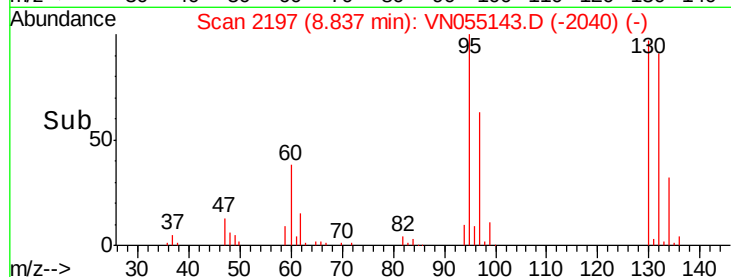
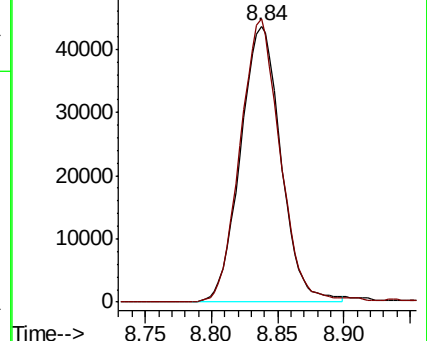
130 100

95 102.3 76.6 115.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.763 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

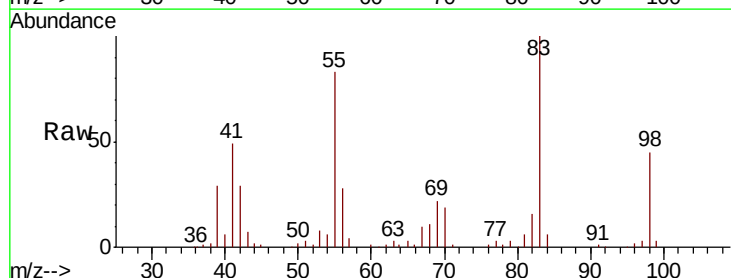
Tgt Ion: 83 Resp: 124275

Ion Ratio Lower Upper

83 100

55 84.7 41.9 125.6

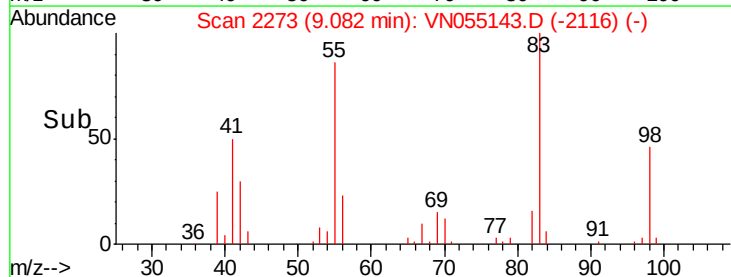
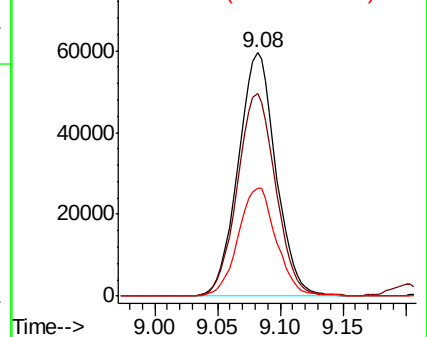
98 44.8 22.4 67.0

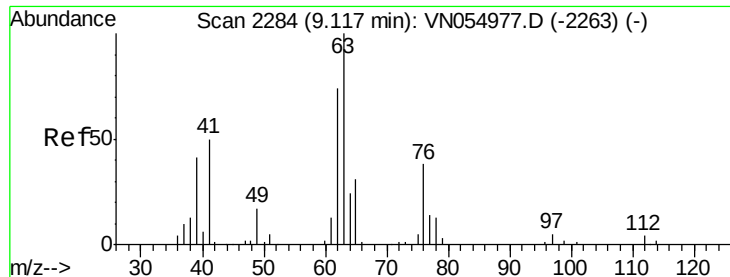


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

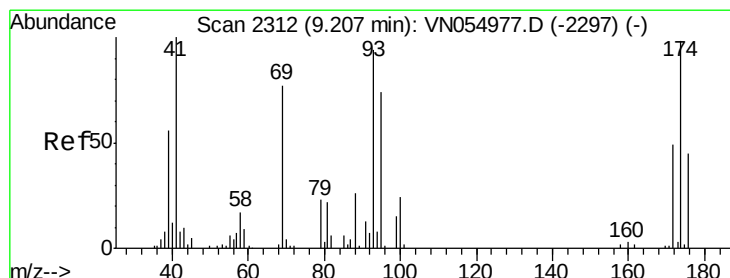
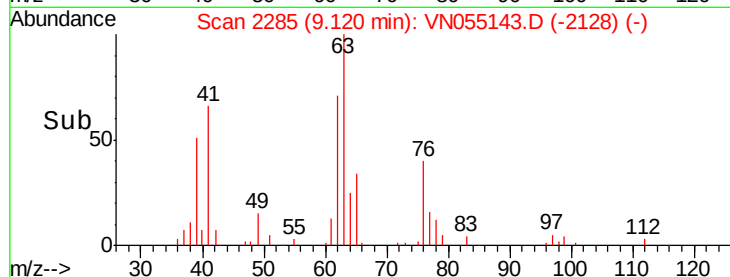
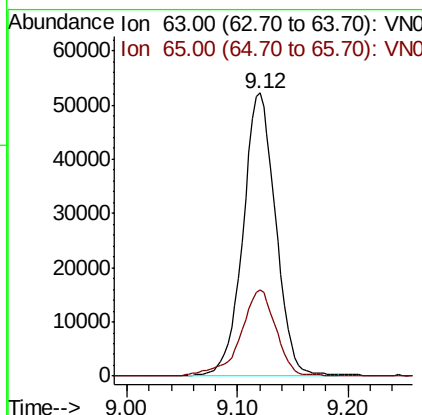
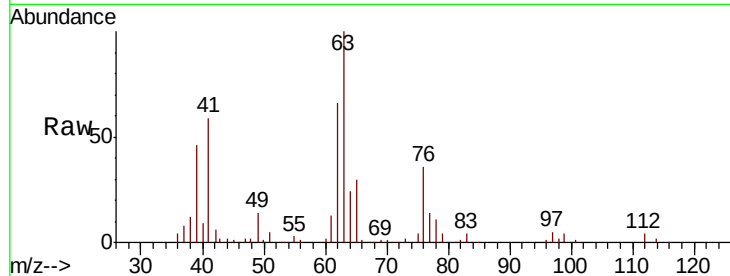




#39
 1,2-Dichloropropane
 Concen: 21.714 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

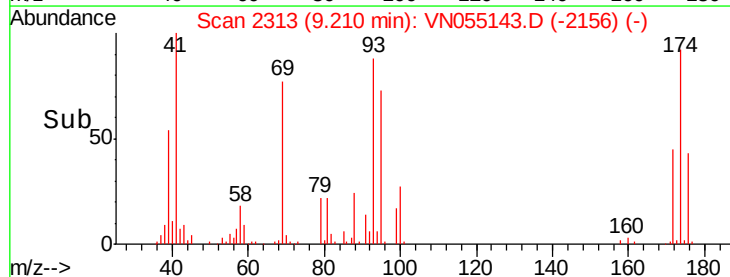
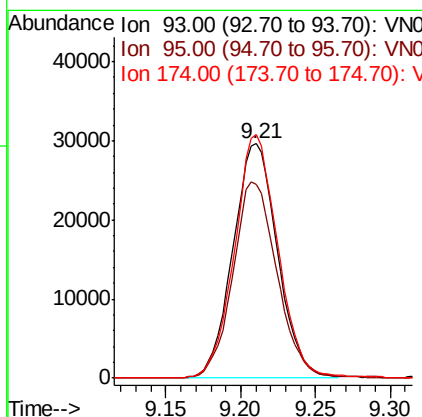
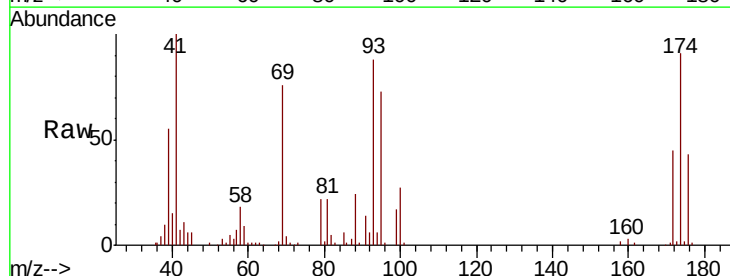
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

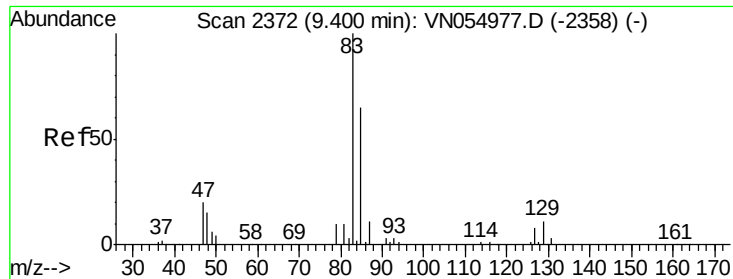
Tot Ion: 63 Resp: 107197
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.8 37.2



#40
 Dibromomethane
 Concen: 22.038 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 93 Resp: 61495
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 160.8
 174 101.1 0.0 206.4





#41

Bromodichloromethane

Concen: 20.914 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

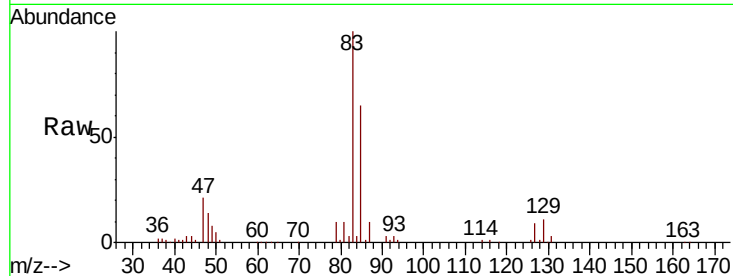
Tot Ion: 83 Resp: 120440

Ion Ratio Lower Upper

83 100

85 64.9 52.0 78.0

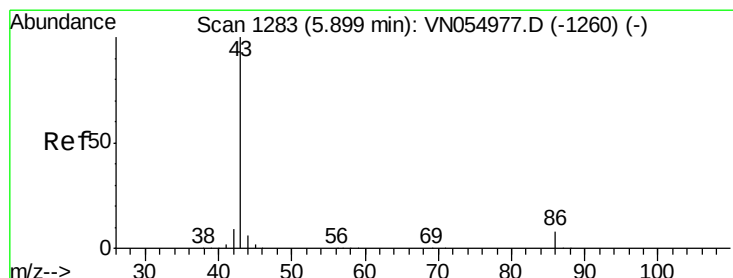
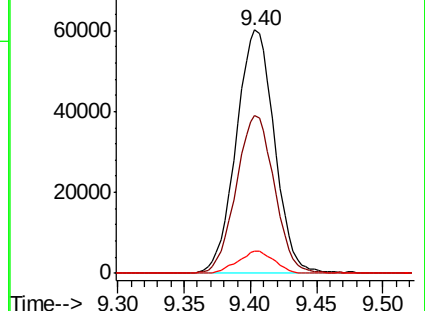
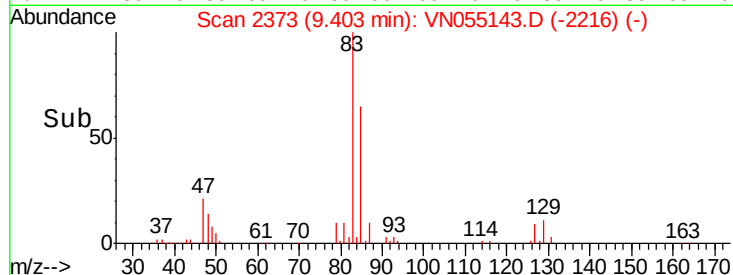
127 9.3 7.2 10.8



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): VN0



#42

Vinyl Acetate

Concen: 114.690 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055143.D

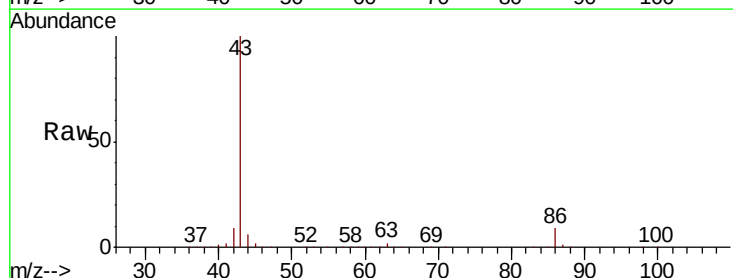
Acq: 19 Apr 2019 15:39

Tgt Ion: 43 Resp: 1161159

Ion Ratio Lower Upper

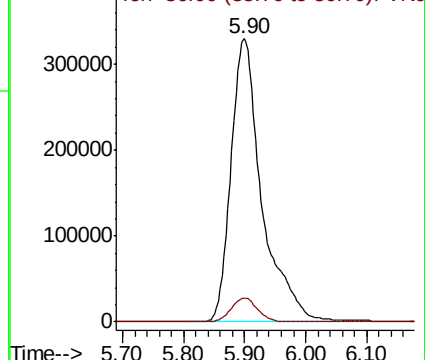
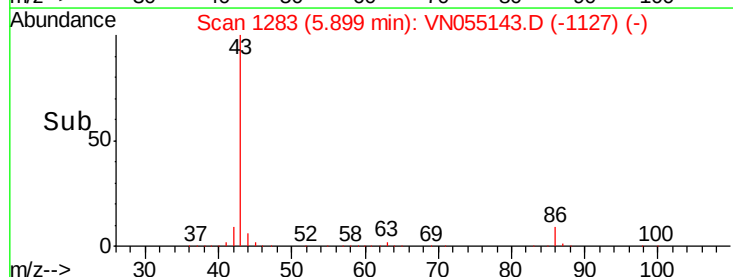
43 100

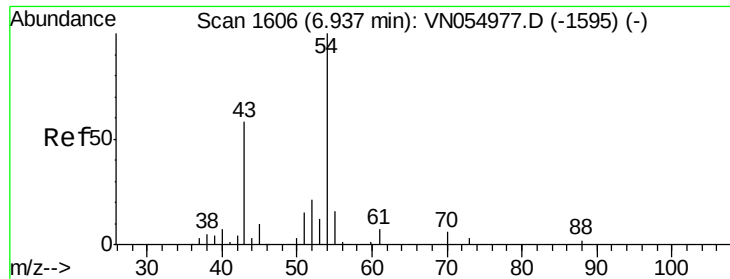
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

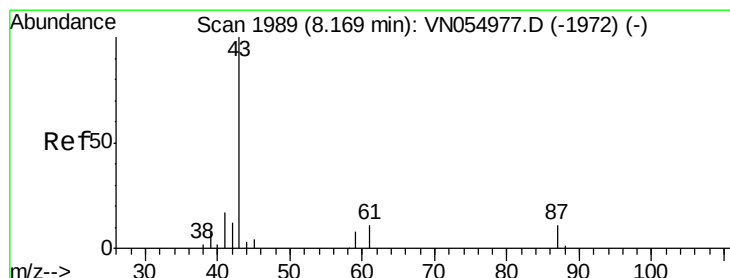
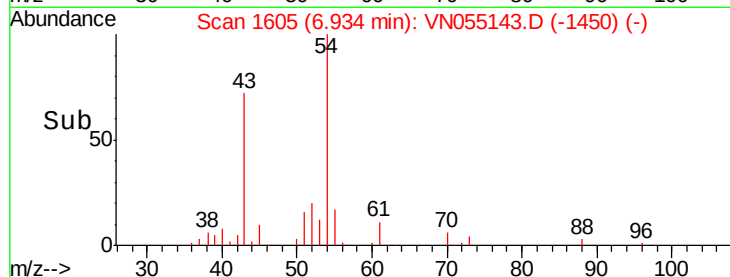
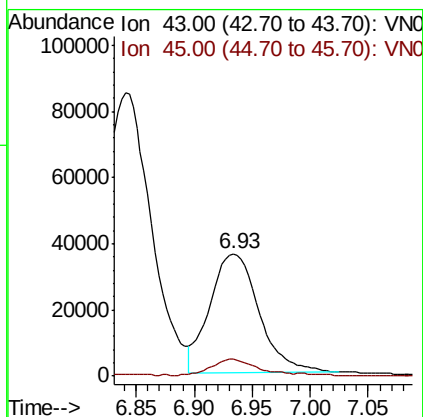
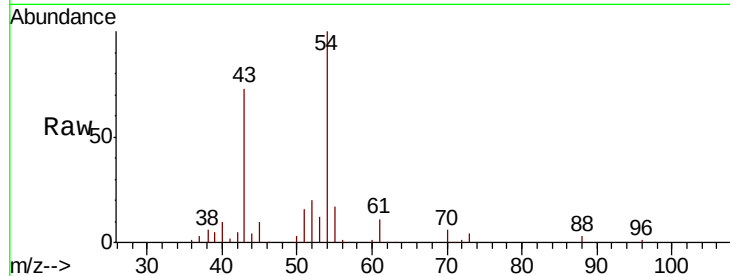




#43
Ethyl Acetate
Concen: 25.995 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

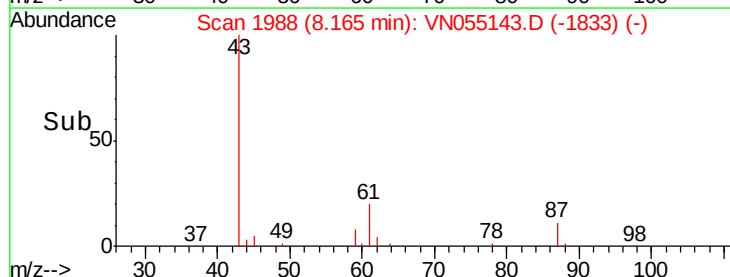
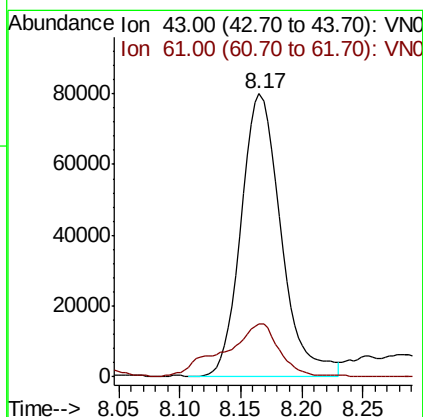
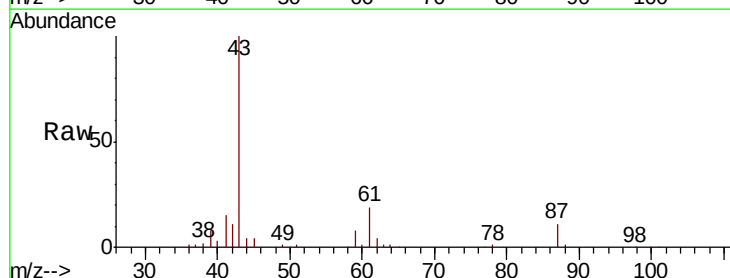
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

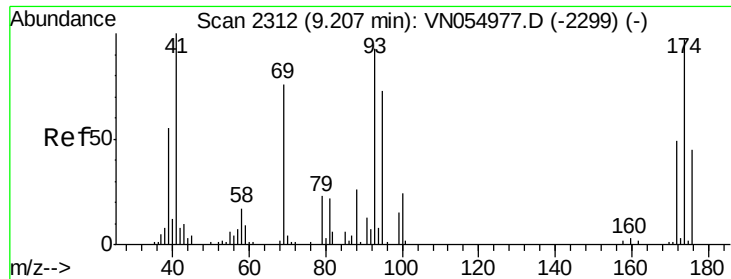
Tot Ion: 43 Resp: 106056
Ion Ratio Lower Upper
43 100
45 12.0 10.6 15.8



#44
Isopropyl Acetate
Concen: 26.011 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 43 Resp: 179839
Ion Ratio Lower Upper
43 100
61 25.9 14.8 22.2#

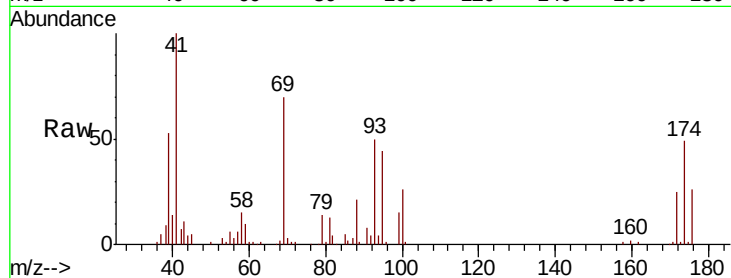




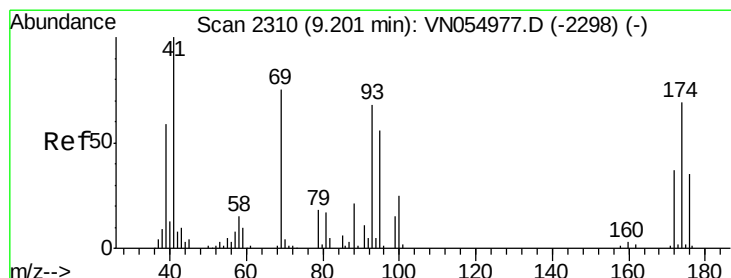
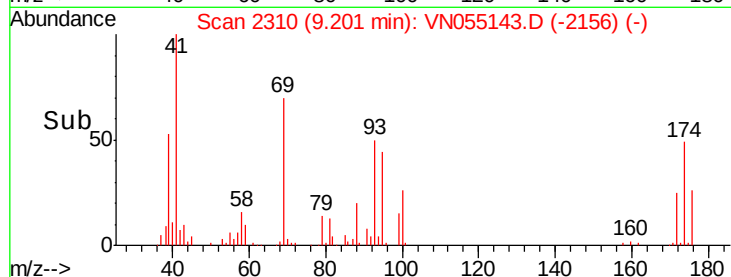
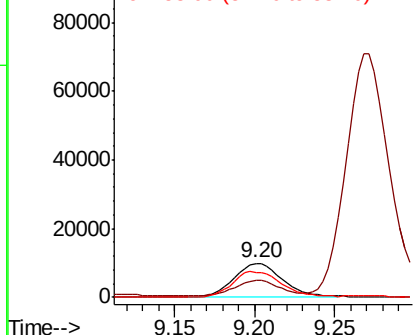
#45
 1,4-Dioxane
 Concen: 540.701 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 20711
 Ion Ratio Lower Upper
 88 100
 43 37.5 34.5 51.7
 58 77.7 60.3 90.5

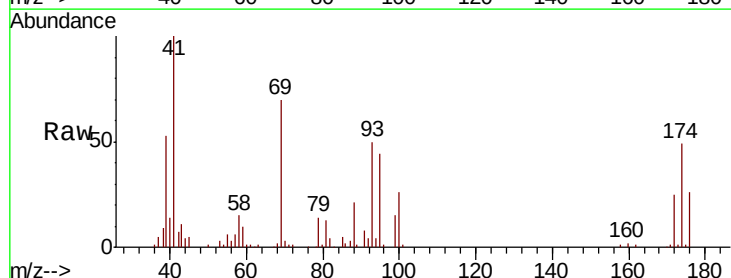


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

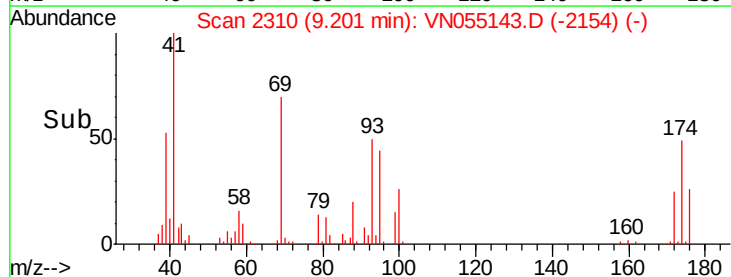
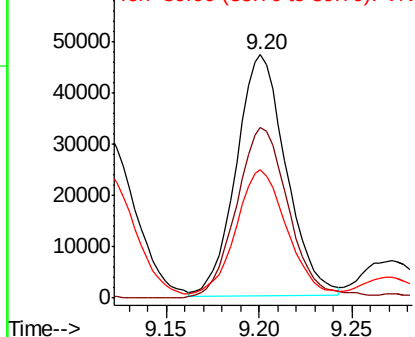


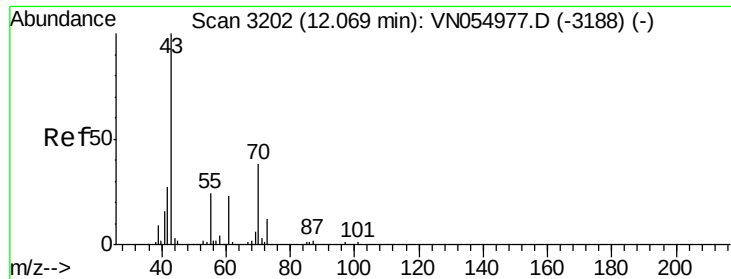
#46
 Methyl methacrylate
 Concen: 24.513 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 41 Resp: 87675
 Ion Ratio Lower Upper
 41 100
 69 71.1 37.3 111.9
 39 52.3 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

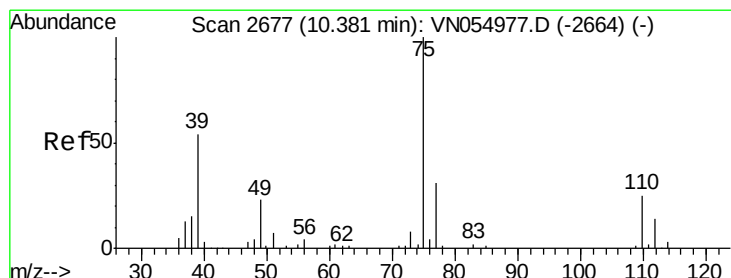
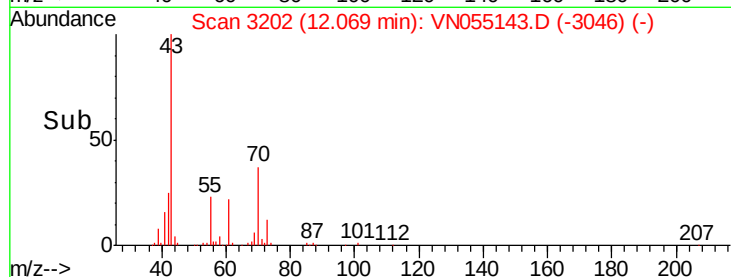
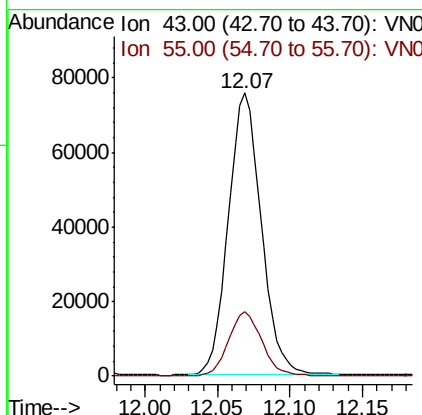
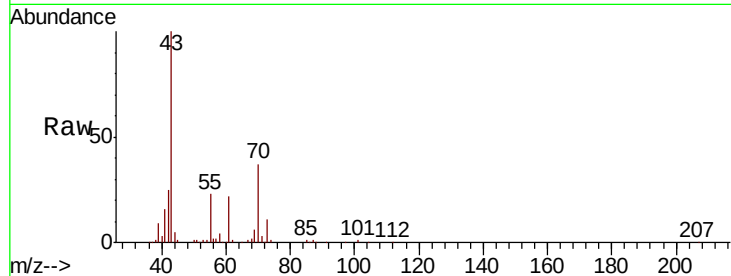




#47
n-amvl Acetate
Concen: 23.482 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

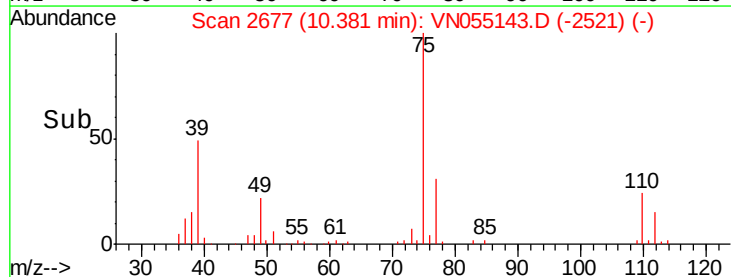
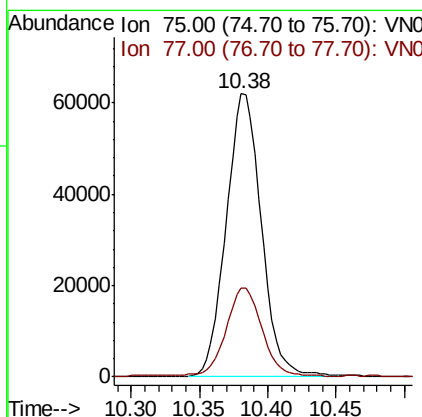
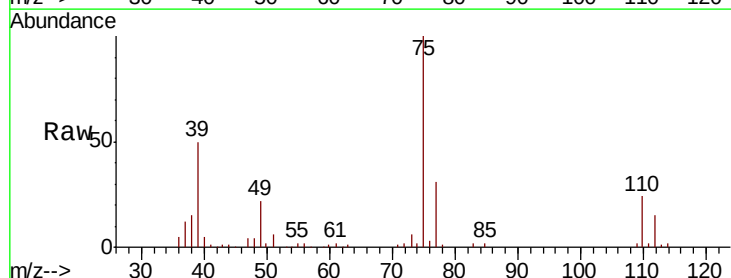
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

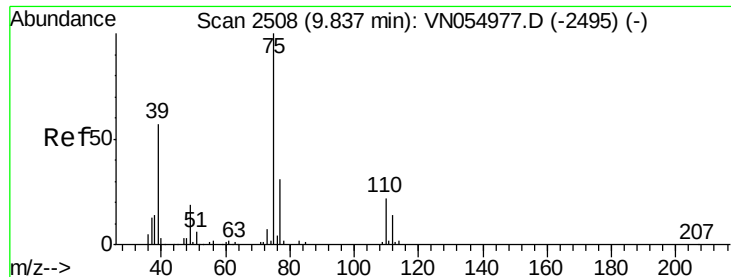
Tot Ion: 43 Resp: 119578
Ion Ratio Lower Upper
43 100
55 23.3 19.8 29.6



#48
t-1,3-Dichloropropene
Concen: 21.061 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 75 Resp: 111379
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0



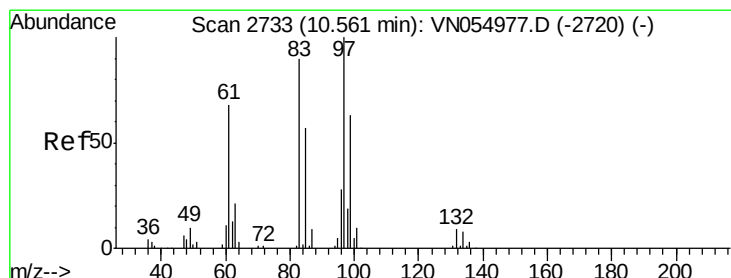
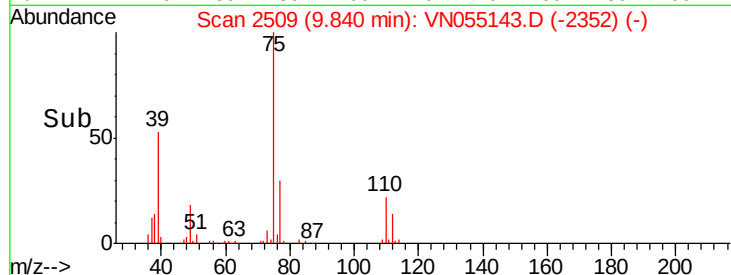
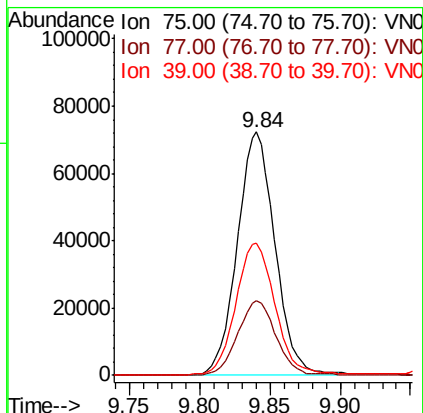
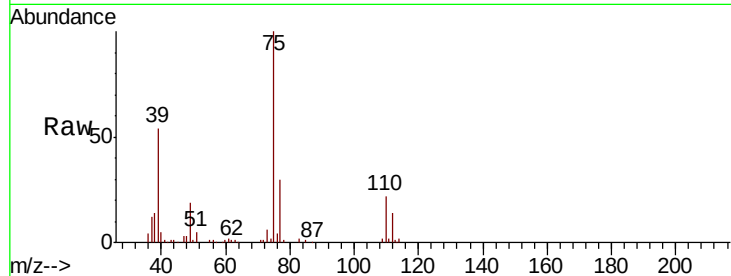


#49

cis-1,3-Dichloropropene
 Concen: 20.771 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

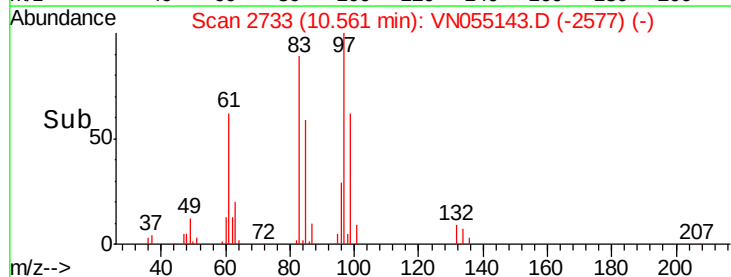
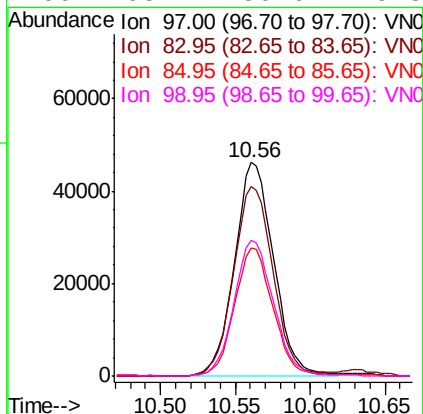
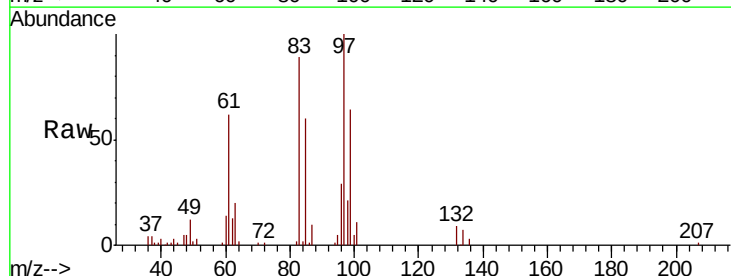
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.7	37.1
39	53.7	45.3	67.9

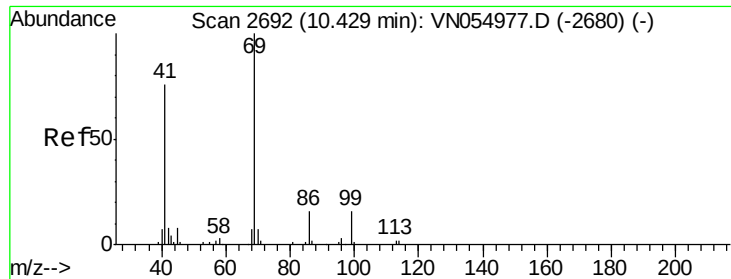


#50

1,1,2-Trichloroethane
 Concen: 22.210 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	72.1	108.1
85	59.8	45.4	68.0
99	63.7	50.6	75.8





#51

Ethyl methacrylate

Concen: 22.829 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

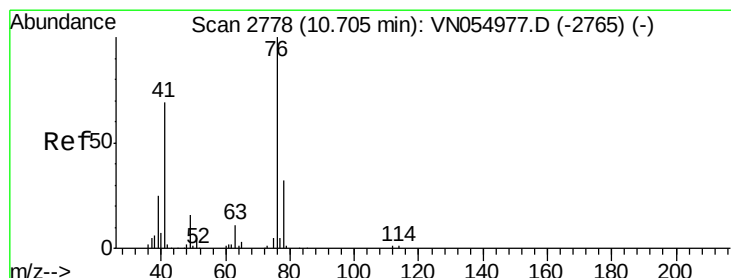
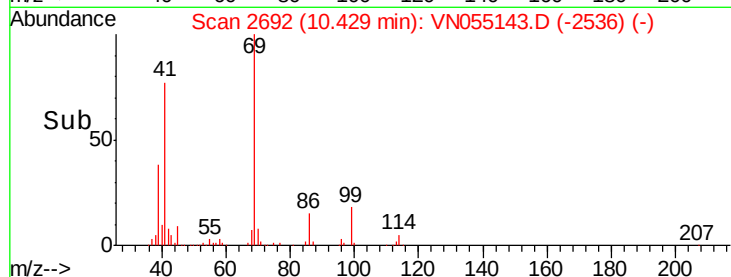
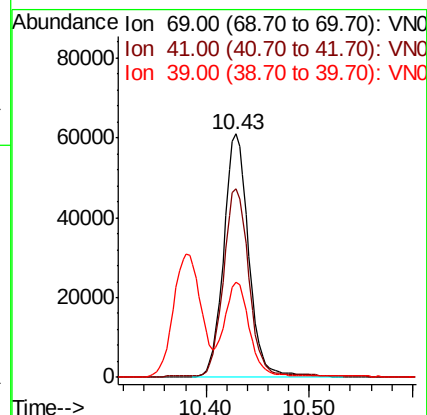
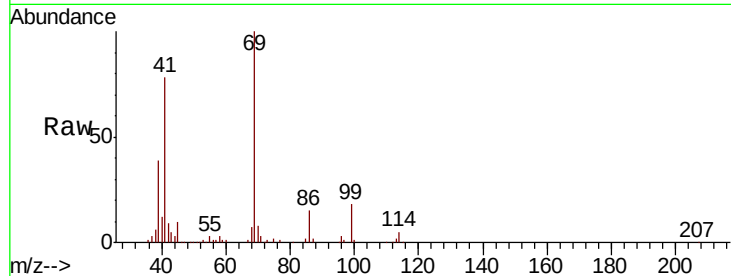
Tot Ion: 69 Resp: 103137

Ion Ratio Lower Upper

69 100

41 76.9 37.9 113.7

39 38.7 19.8 59.4



#52

1,3-Dichloropropane

Concen: 22.250 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055143.D

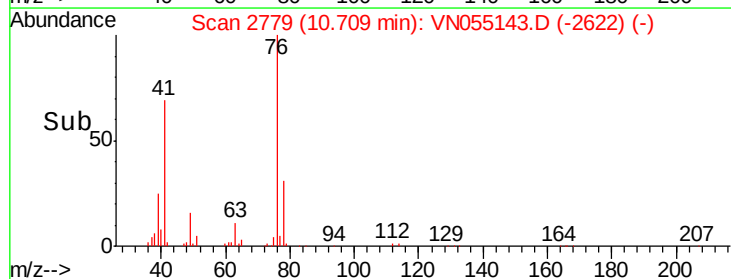
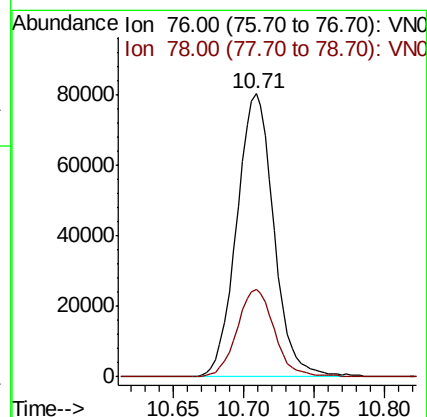
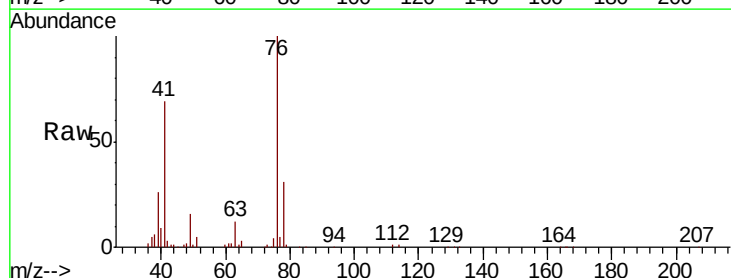
Acq: 19 Apr 2019 15:39

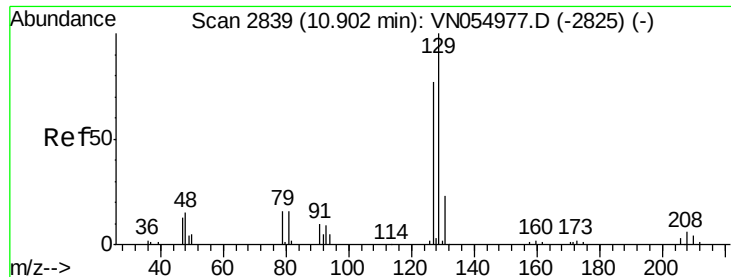
Tgt Ion: 76 Resp: 147760

Ion Ratio Lower Upper

76 100

78 31.0 0.0 64.4





#53

Dibromochloromethane

Concen: 20.844 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

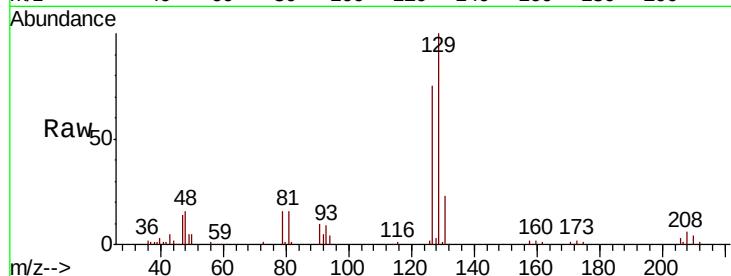
VSTDCCC020EC

Tot Ion:129 Resp: 81372

Ion Ratio Lower Upper

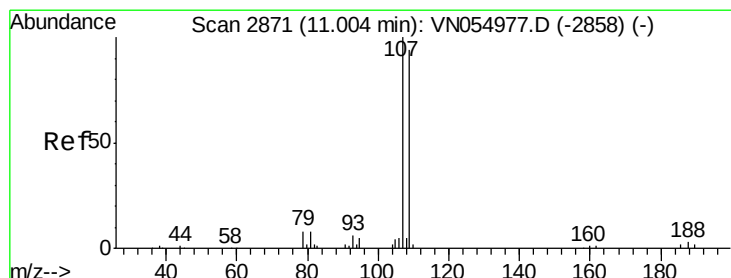
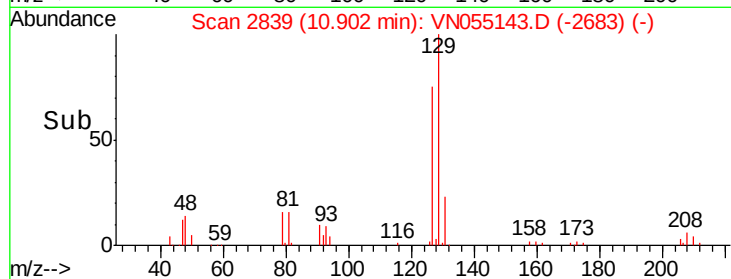
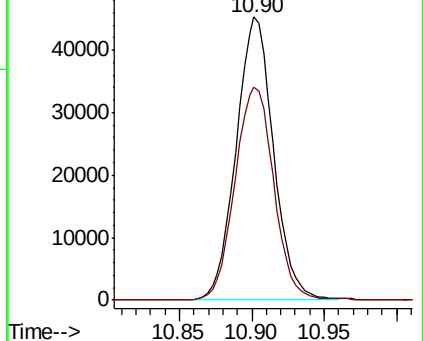
129 100

127 77.9 37.8 113.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 22.423 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055143.D

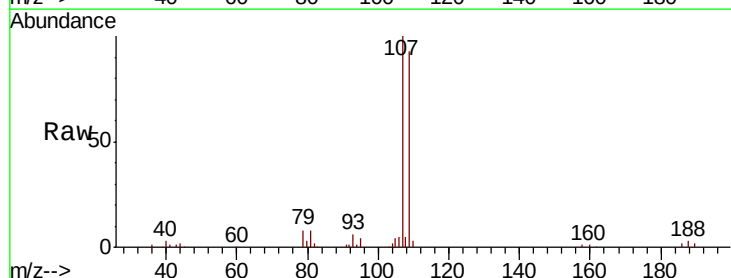
Acq: 19 Apr 2019 15:39

Tgt Ion:107 Resp: 79781

Ion Ratio Lower Upper

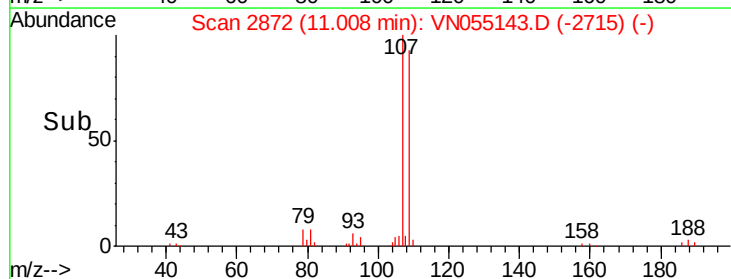
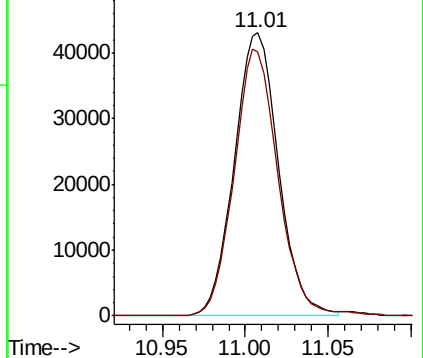
107 100

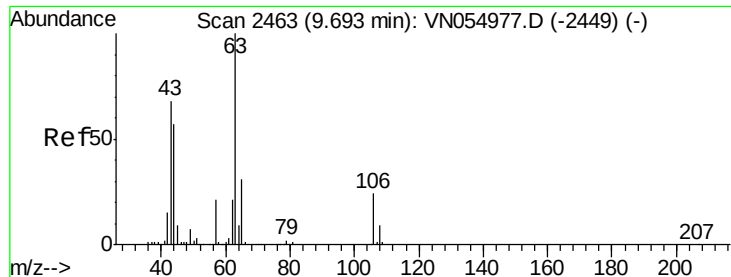
109 92.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

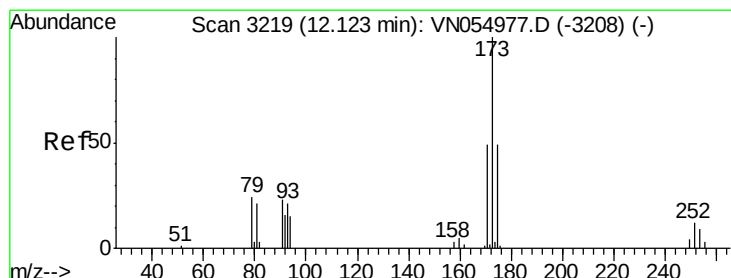
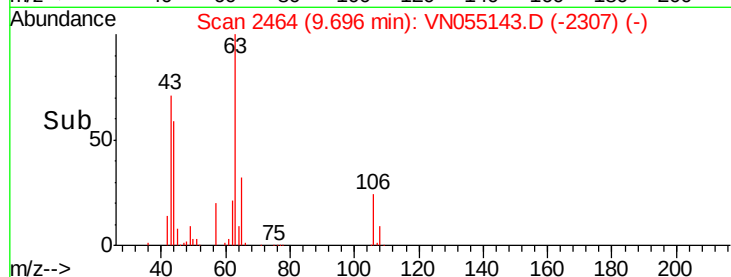
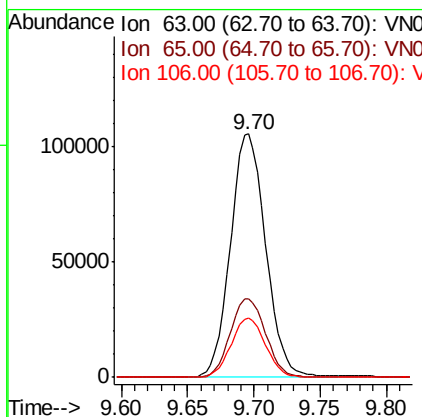
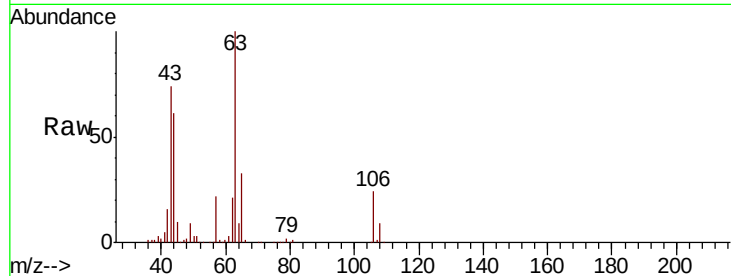




#55
 2-Chloroethyl vinyl ether
 Concen: 103.422 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

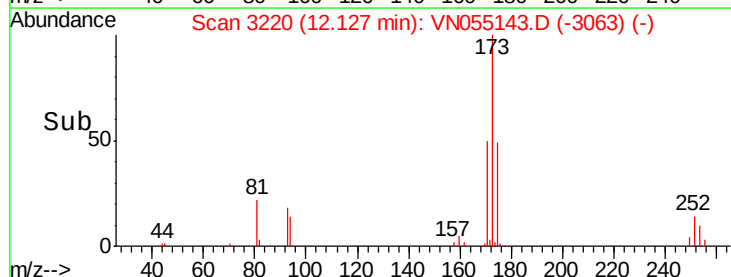
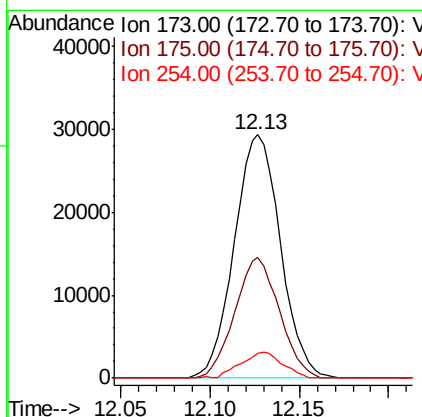
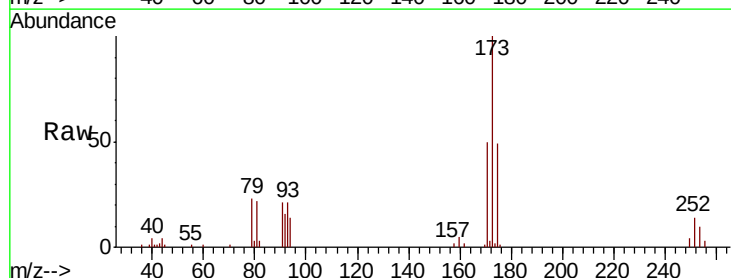
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

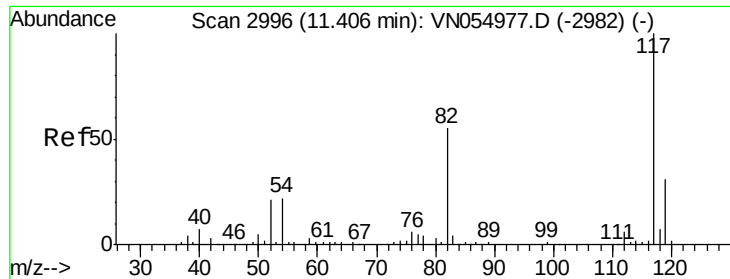
Tot Ion	63	Resp	195333
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0
106	23.6	19.8	29.6



#56
 Bromoform
 Concen: 21.537 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion	173	Resp	52831
Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.6	57.8
254	9.7	6.8	10.2

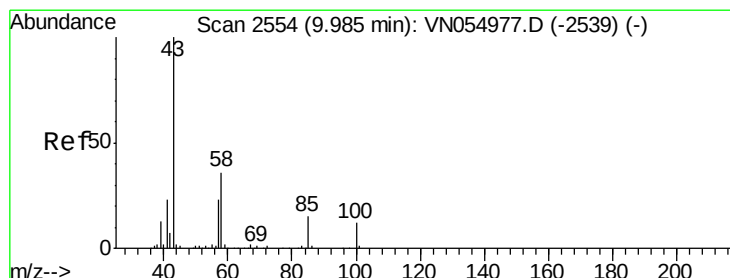
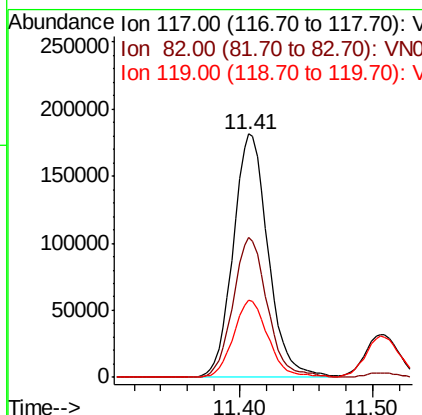
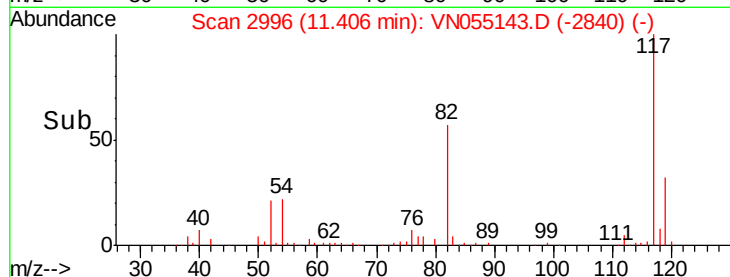
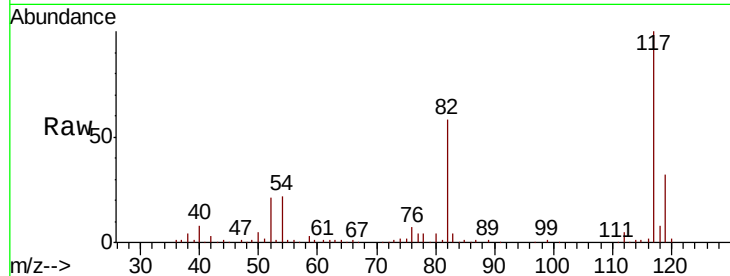




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

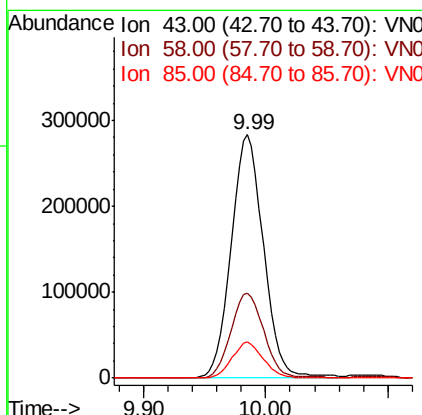
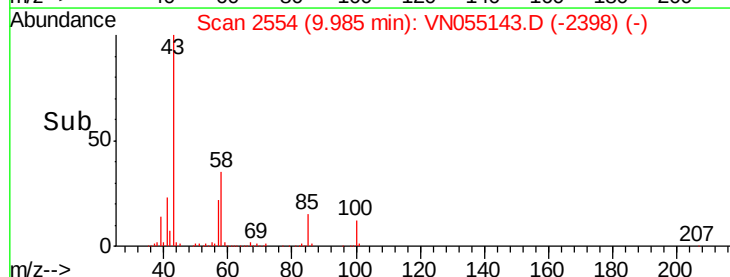
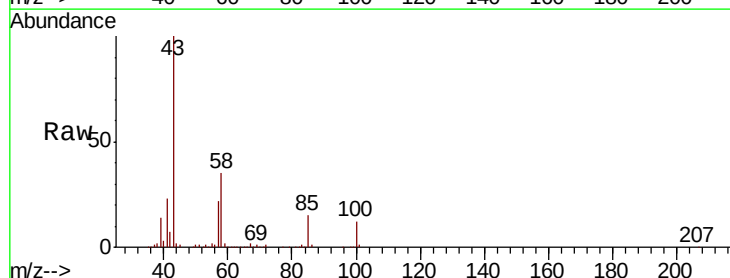
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

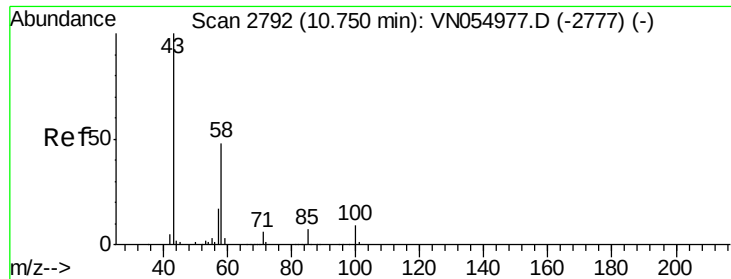
Tot Ion:117 Resp: 332398
Ion Ratio Lower Upper
117 100
82 56.6 45.2 67.8
119 31.5 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 135.650 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 43 Resp: 519981
Ion Ratio Lower Upper
43 100
58 35.7 28.7 43.1
85 14.4 11.8 17.6

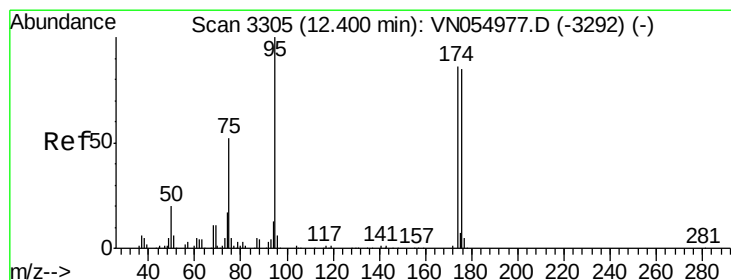
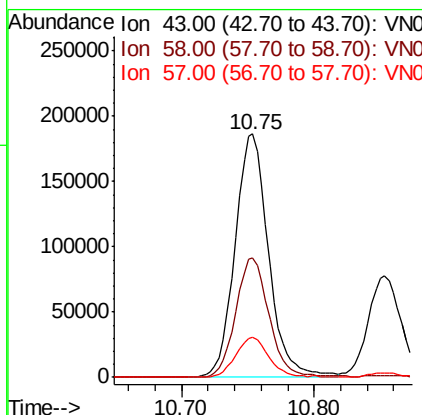
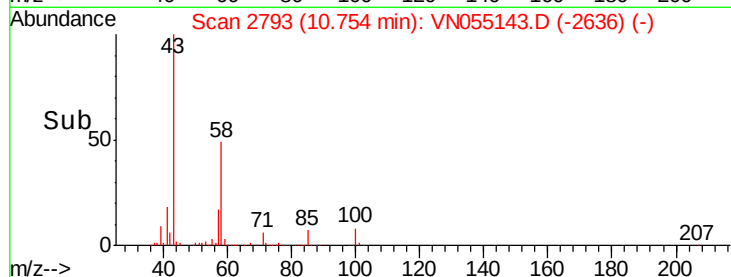
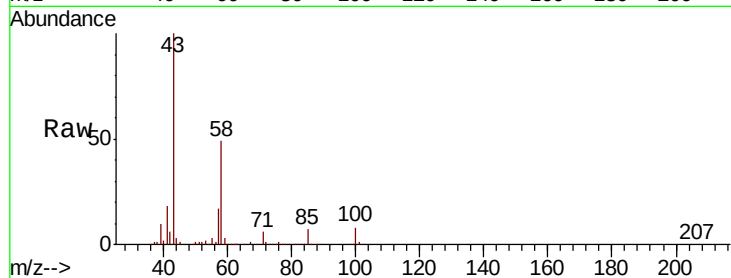




#59
2-Hexanone
Concen: 133.200 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

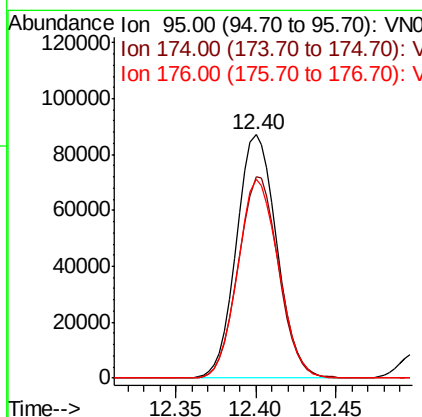
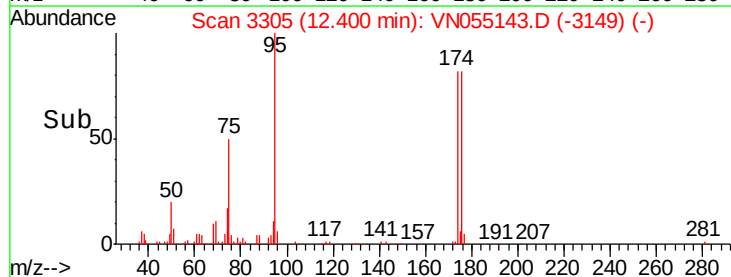
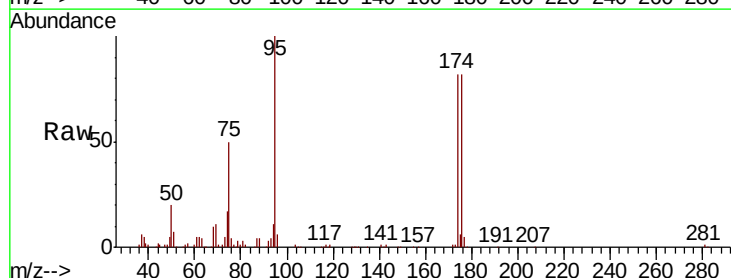
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

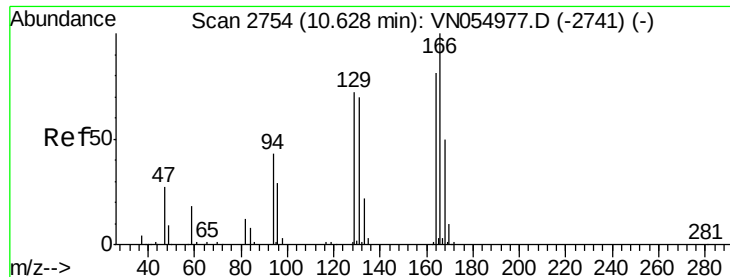
Tot Ion: 43 Resp: 324364
Ion Ratio Lower Upper
43 100
58 49.1 38.8 58.2
57 16.5 13.8 20.6



#60
4-Bromofluorobenzene
Concen: 133.200 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 95 Resp: 149536
Ion Ratio Lower Upper
95 100
174 82.7 69.4 104.2
176 82.5 67.4 101.2

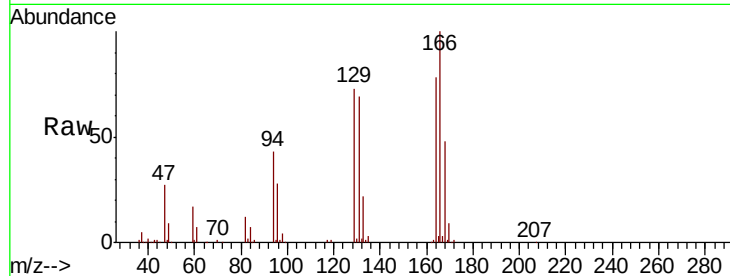




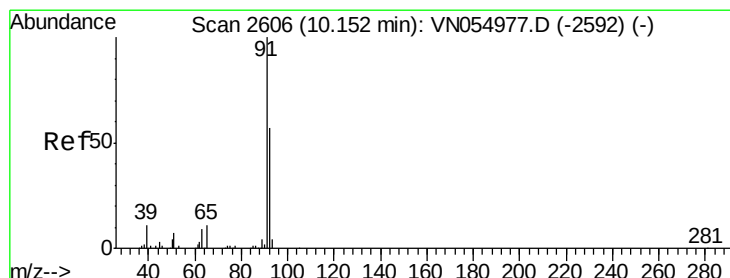
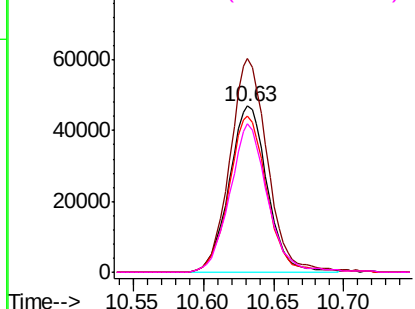
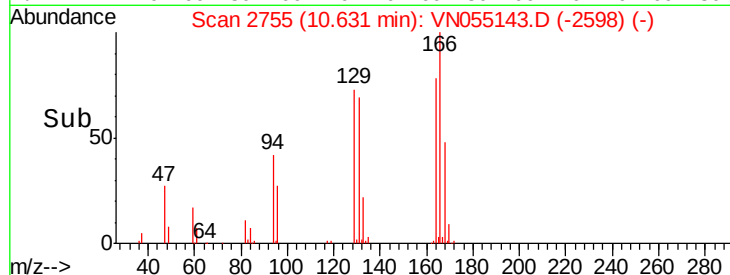
#61
Tetrachloroethene
Concen: 20.405 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:164 Resp: 88269
Ion Ratio Lower Upper
164 100
166 128.8 99.0 148.4
129 94.0 71.4 107.0
131 89.3 68.8 103.2

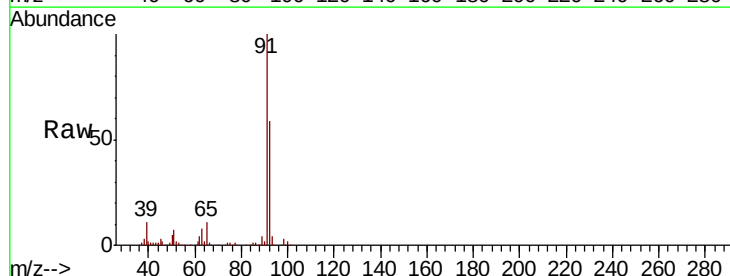


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

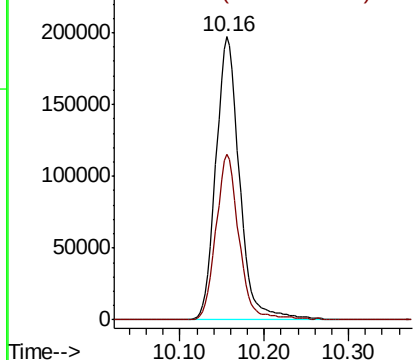
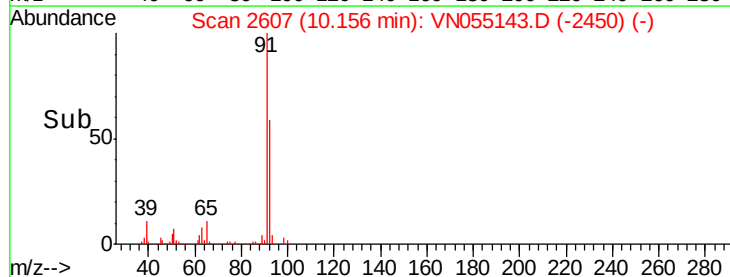


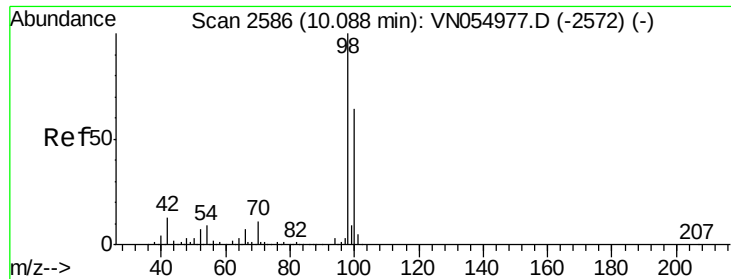
#62
Toluene
Concen: 21.023 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion: 91 Resp: 385030
Ion Ratio Lower Upper
91 100
92 56.4 44.8 67.2



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 21.023 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

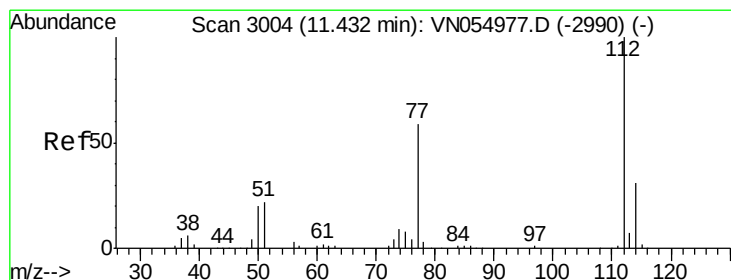
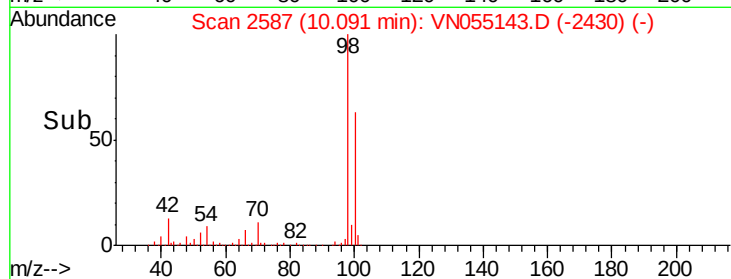
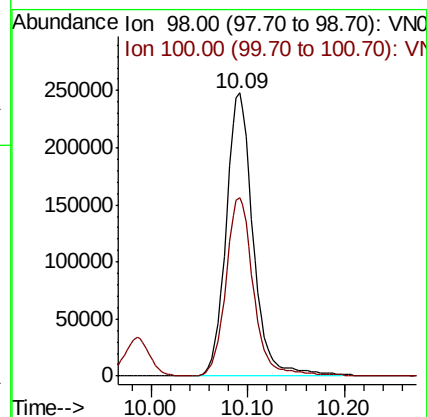
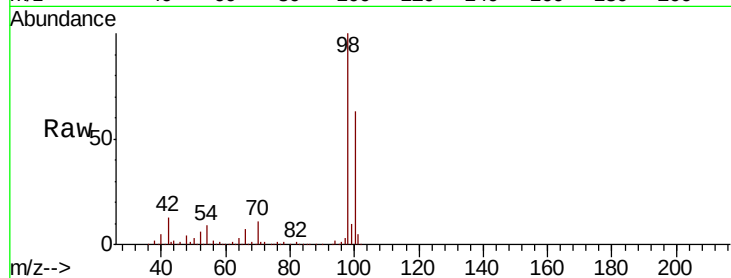
VSTDCCC020EC

Tot Ion: 98 Resp: 481480

Ion Ratio Lower Upper

98 100

100 64.7 51.1 76.7



#64

Chlorobenzene

Concen: 20.242 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055143.D

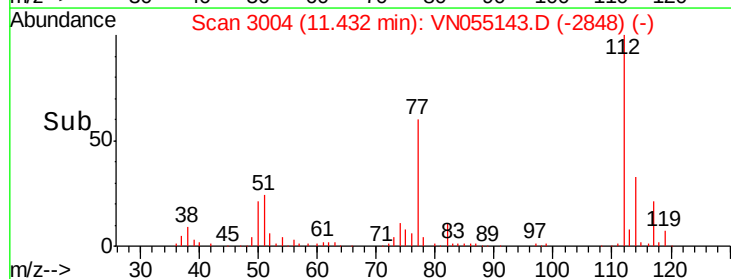
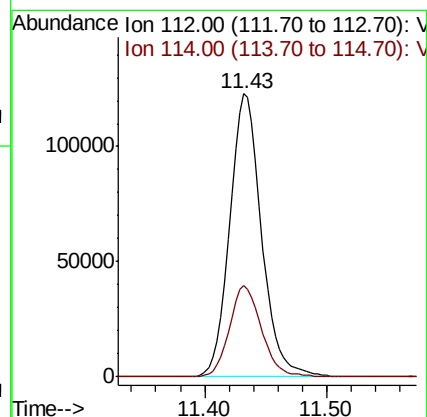
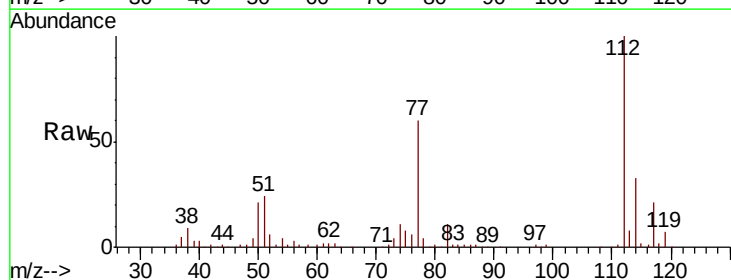
Acq: 19 Apr 2019 15:39

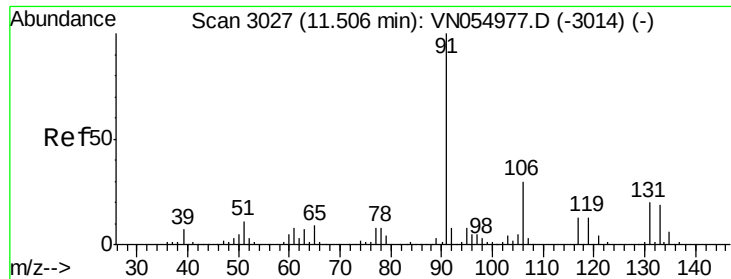
Tgt Ion: 112 Resp: 223813

Ion Ratio Lower Upper

112 100

114 32.5 25.1 37.7

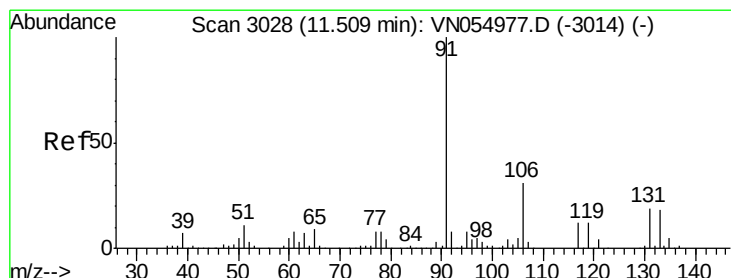
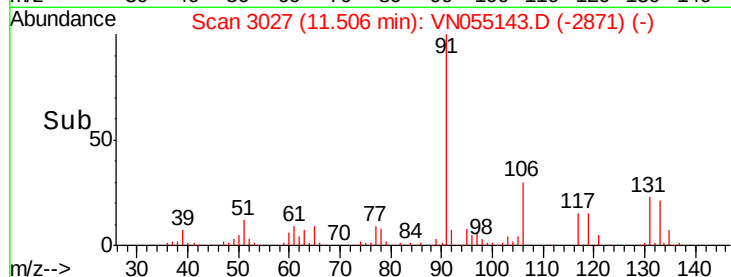
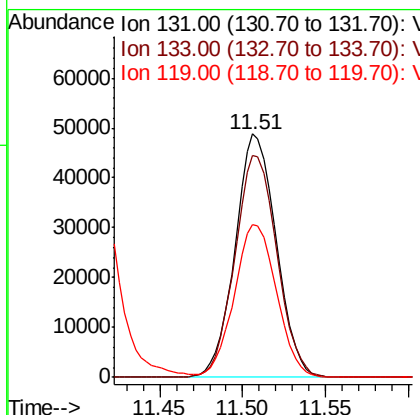
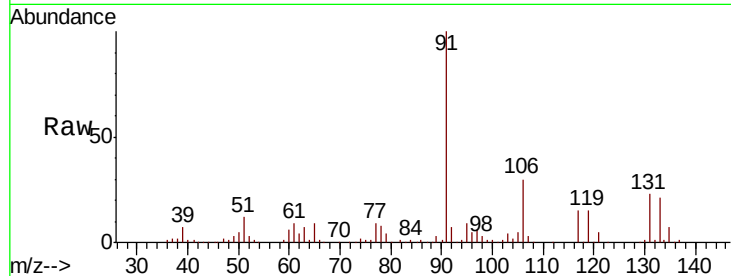




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.418 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

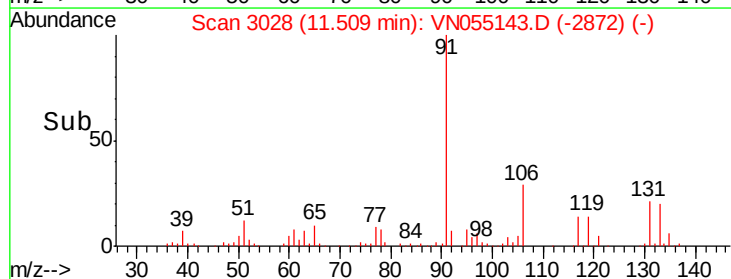
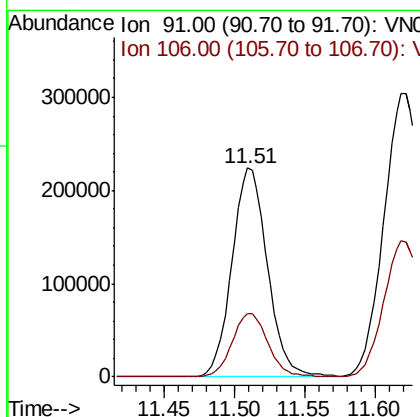
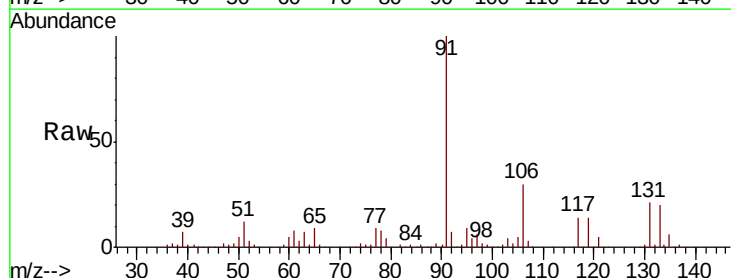
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

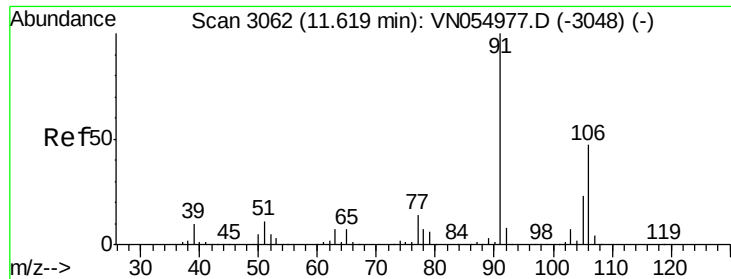
Tot Ion:131 Resp: 84226
 Ion Ratio Lower Upper
 131 100
 133 93.3 0.0 187.8
 119 64.6 0.0 131.4



#66
 Ethyl Benzene
 Concen: 20.155 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 91 Resp: 395701
 Ion Ratio Lower Upper
 91 100
 106 30.2 24.6 36.8

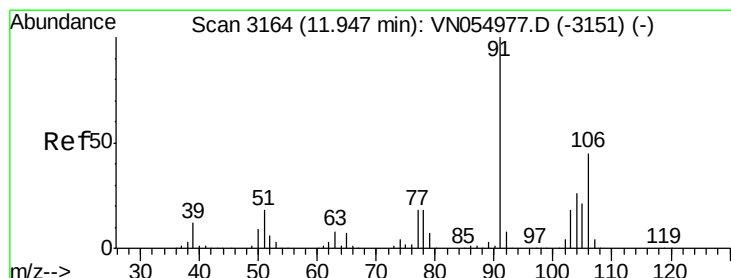
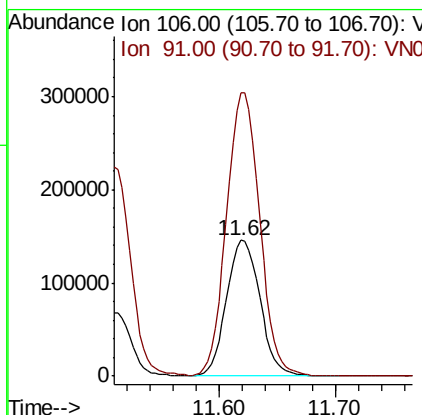
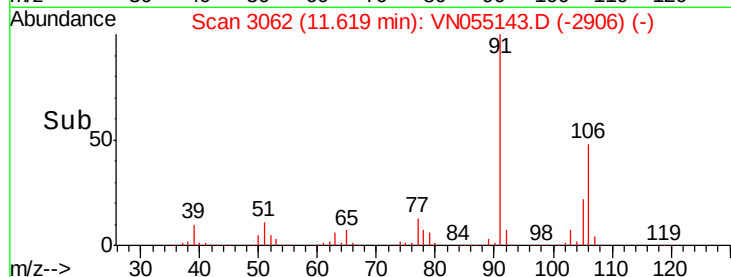
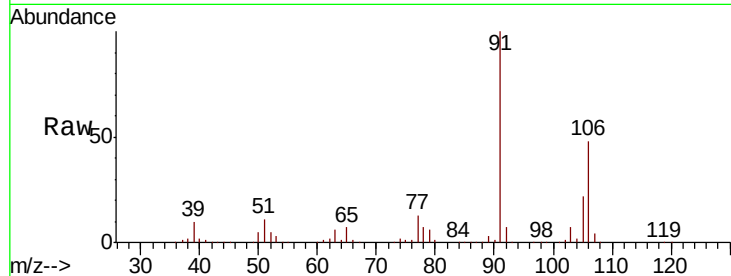




#67
m/p-Xylenes
Concen: 39.972 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

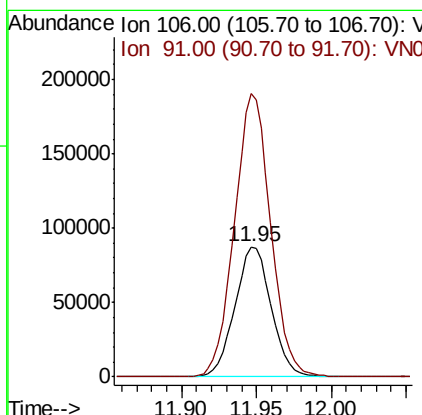
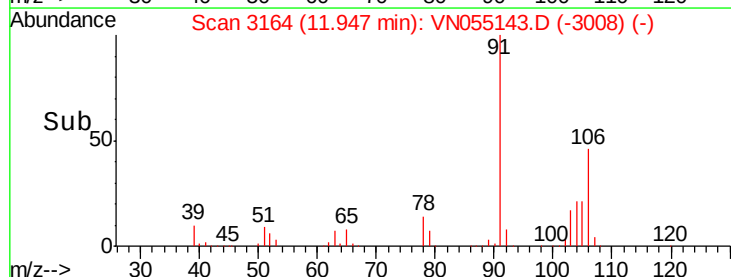
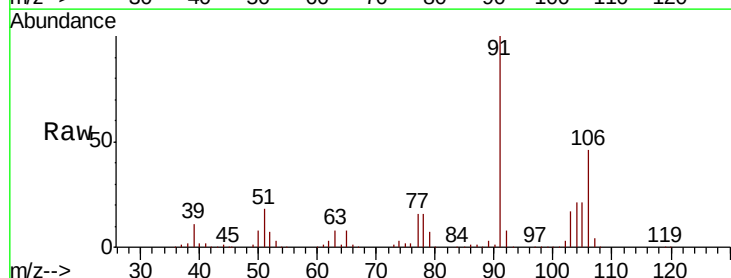
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

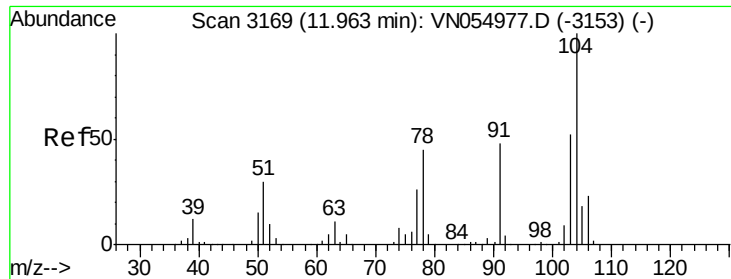
Tot Ion:106 Resp: 291705
Ion Ratio Lower Upper
106 100
91 206.7 167.4 251.2



#68
o-Xylene
Concen: 20.459 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion:106 Resp: 147550
Ion Ratio Lower Upper
106 100
91 217.3 110.3 330.8

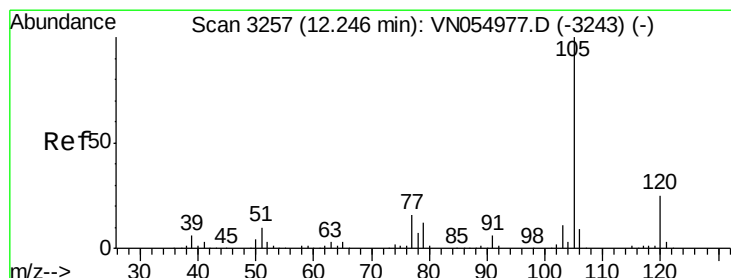
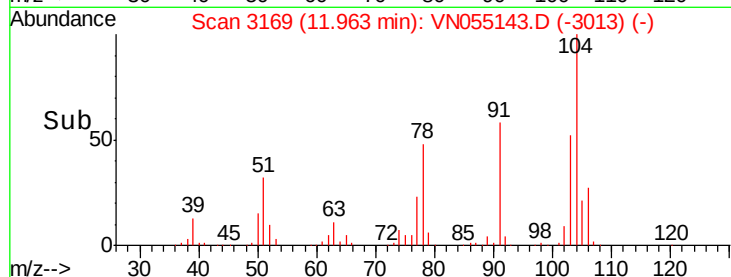
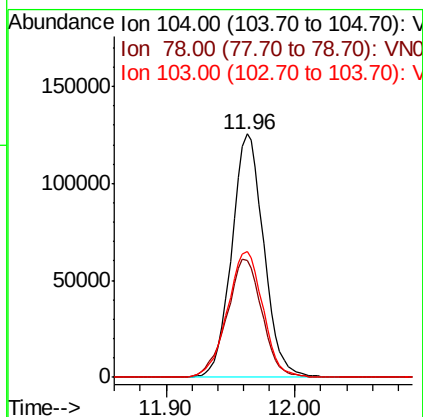
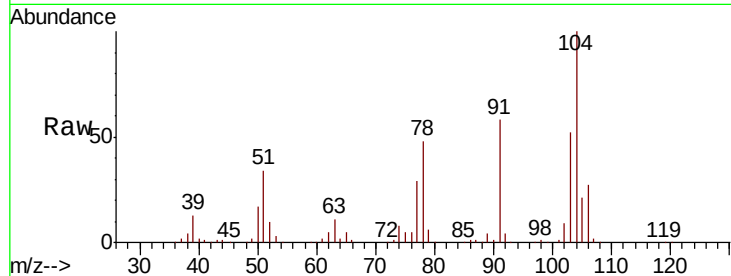




#69
Stvrene
Concen: 19.356 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

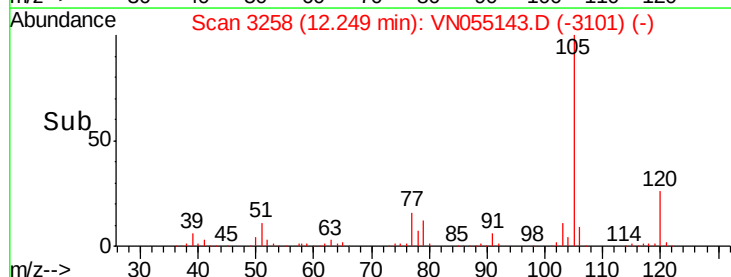
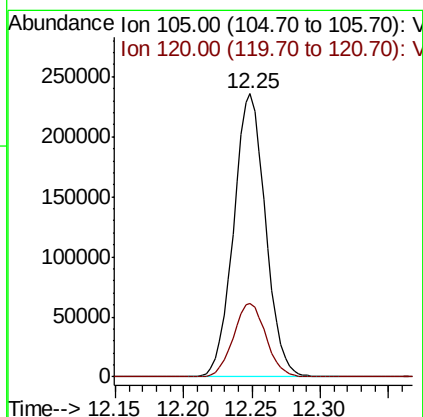
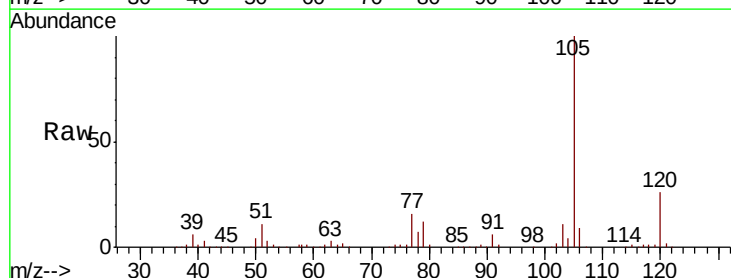
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

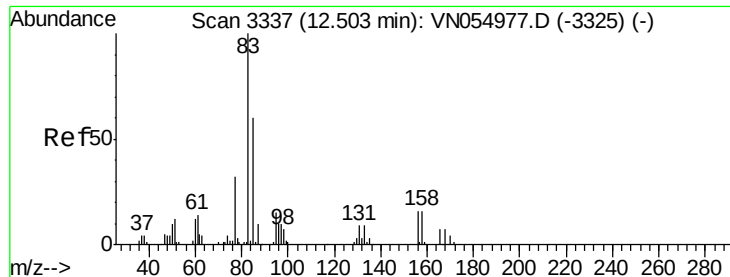
Tot Ion:104 Resp: 216760
Ion Ratio Lower Upper
104 100
78 53.5 41.2 61.8
103 57.2 44.6 67.0



#70
Isopropylbenzene
Concen: 19.837 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055143.D
Acq: 19 Apr 2019 15:39

Tgt Ion:105 Resp: 382498
Ion Ratio Lower Upper
105 100
120 26.5 18.3 33.9

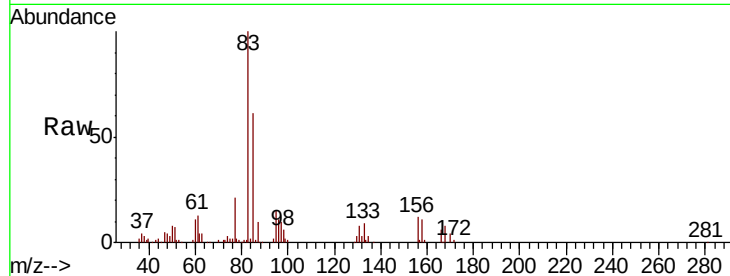




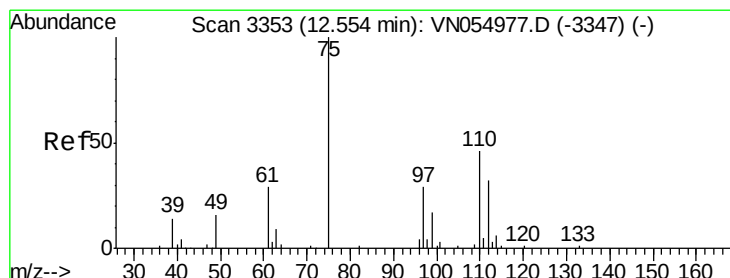
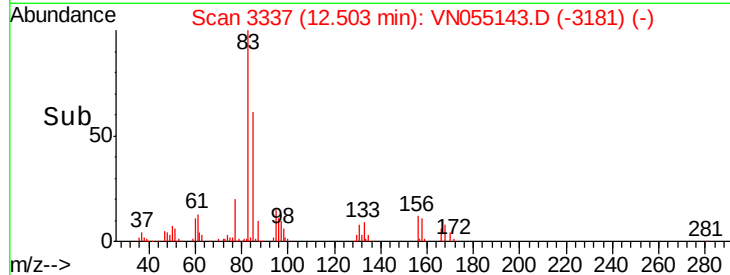
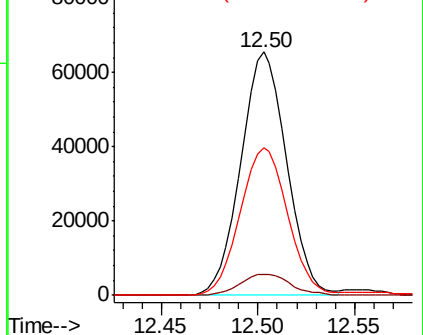
#71
 1,1,2,2-Tetrachloroethane
 Concen: 24.506 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	108077
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	62.7	30.9	92.5

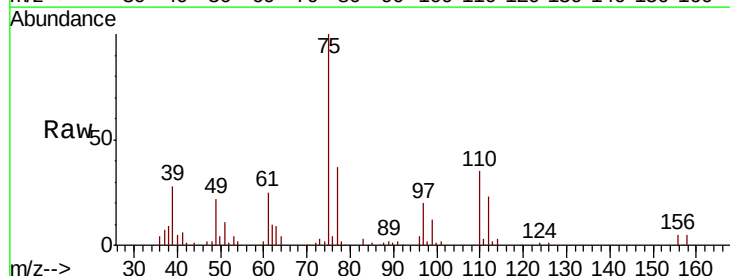


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

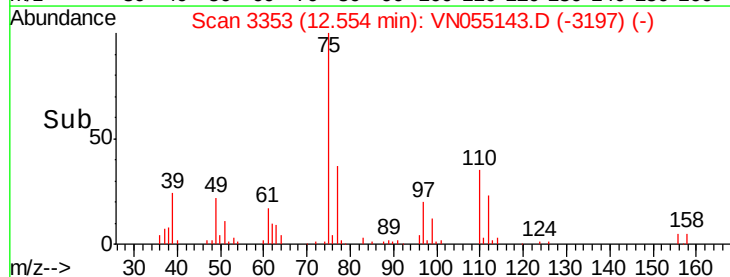
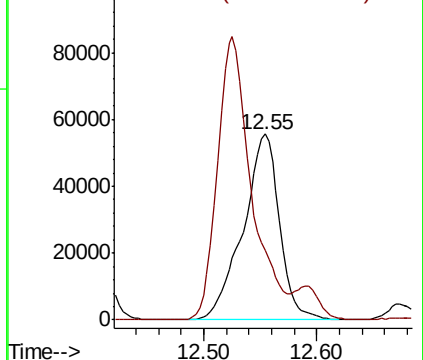


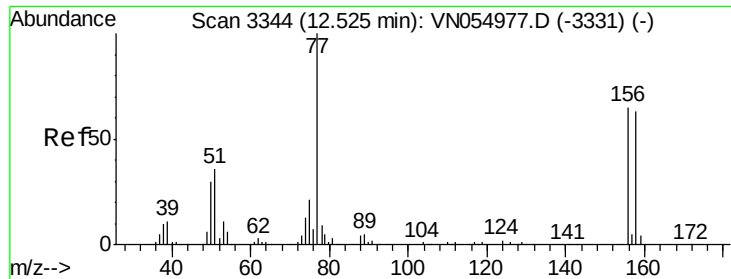
#72
 1,2,3-Trichloropropane
 Concen: 34.291 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion	75	Resp	124891
Ion Ratio	Lower	Upper	
75	100		
77	140.7	0.0	466.6



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





#73

Bromobenzene

Concen: 19.643 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

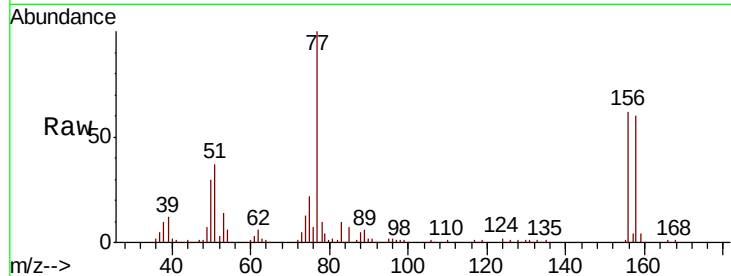
Tot Ion:156 Resp: 89523

Ion Ratio Lower Upper

156 100

77 196.3 0.0 383.2

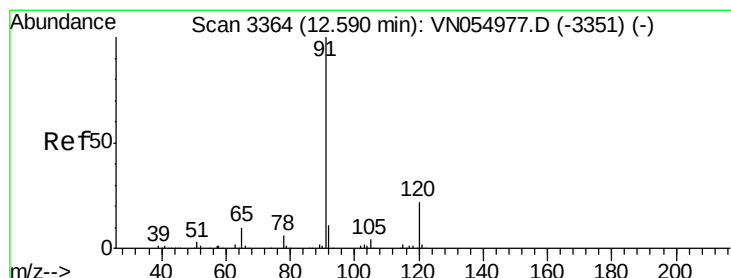
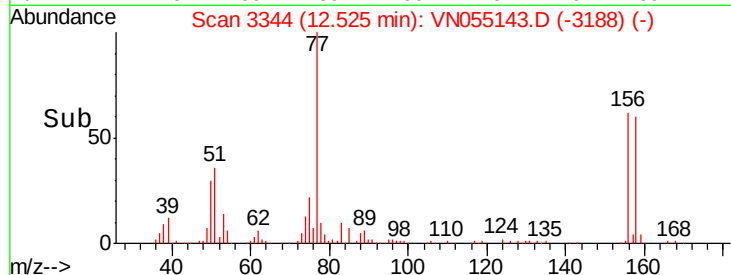
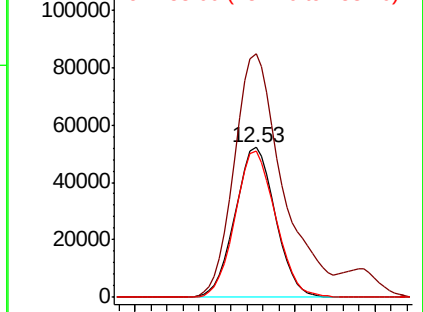
158 98.3 0.0 193.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.853 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055143.D

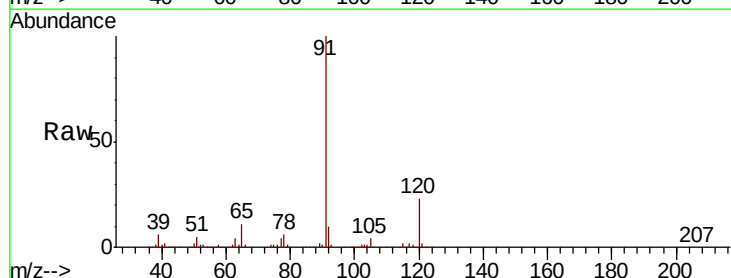
Acq: 19 Apr 2019 15:39

Tgt Ion: 91 Resp: 406963

Ion Ratio Lower Upper

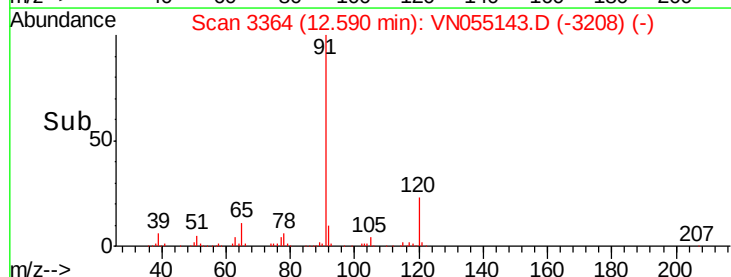
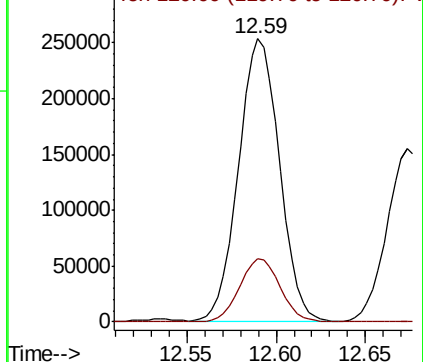
91 100

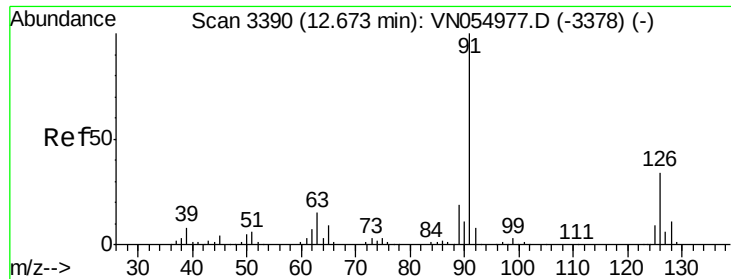
120 22.1 0.0 44.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.910 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

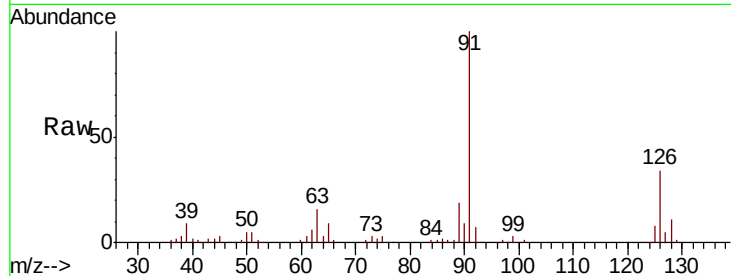
VSTDCCC020EC

Tot Ion: 91 Resp: 259210

Ion Ratio Lower Upper

91 100

126 33.8 0.0 67.4



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN054977.D (-3378) (-)

250000

200000

150000

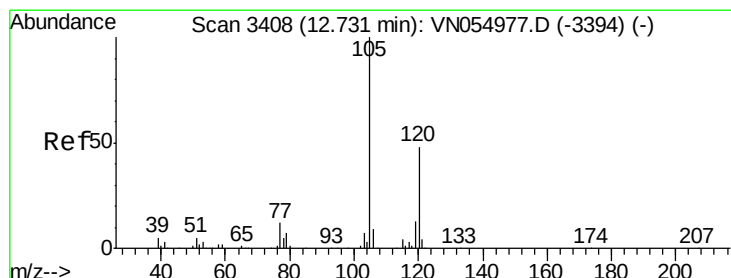
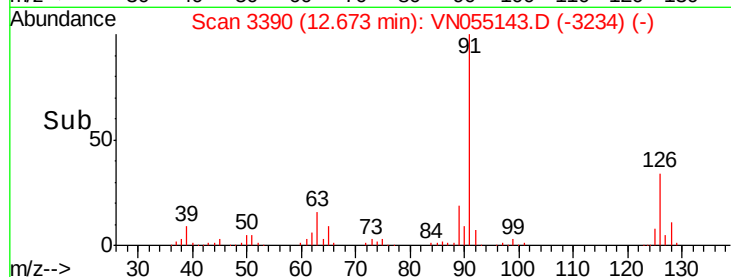
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.346 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055143.D

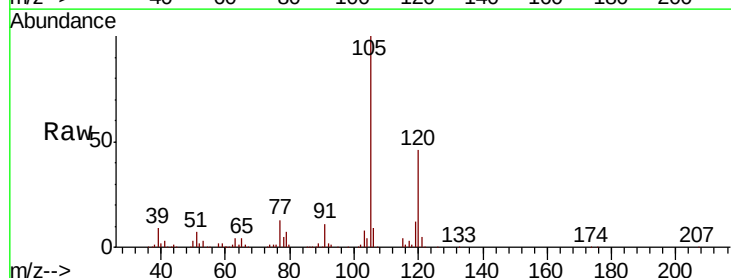
Acq: 19 Apr 2019 15:39

Tgt Ion: 105 Resp: 301577

Ion Ratio Lower Upper

105 100

120 47.3 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN054977.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054977.D (-3394) (-)

200000

150000

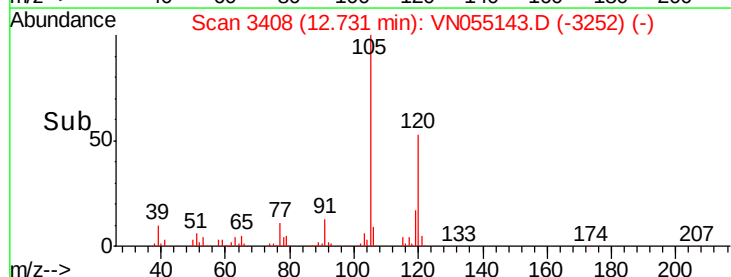
100000

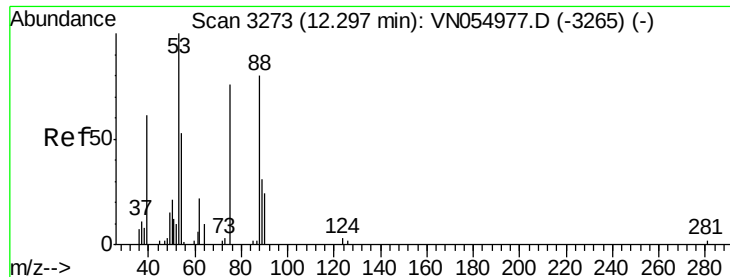
50000

0

12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 21.919 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

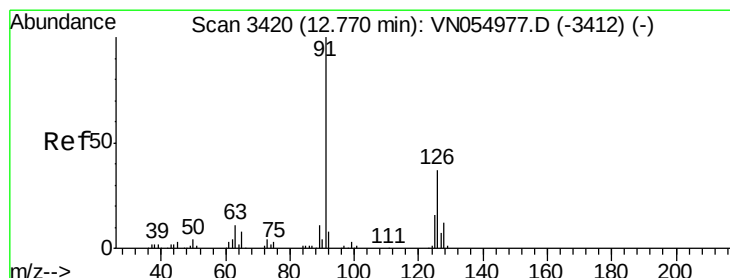
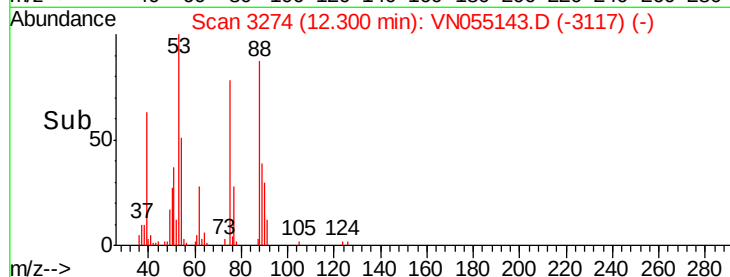
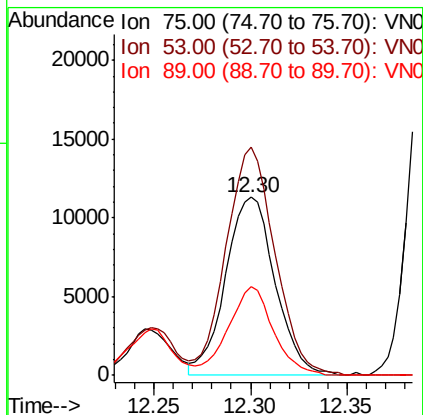
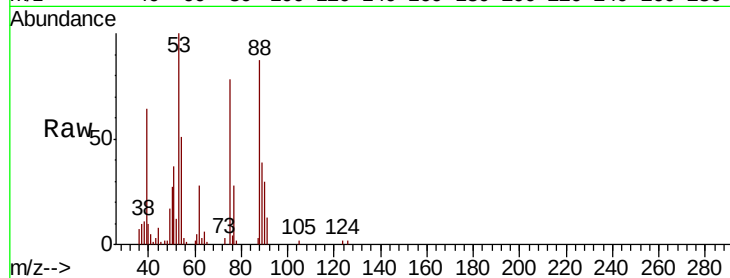
Tot Ion: 75 Resp: 20123

Ion Ratio Lower Upper

75 100

53 127.0 64.3 192.7

89 49.8 21.6 65.0



#78

4-Chlorotoluene

Concen: 19.508 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055143.D

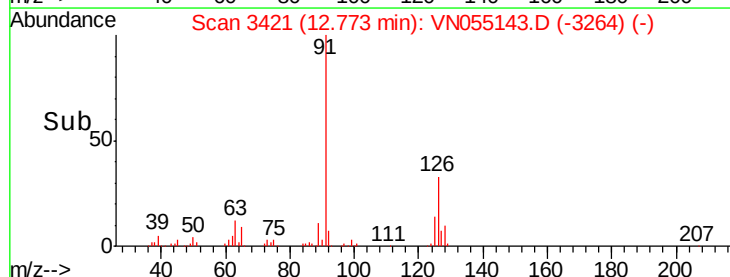
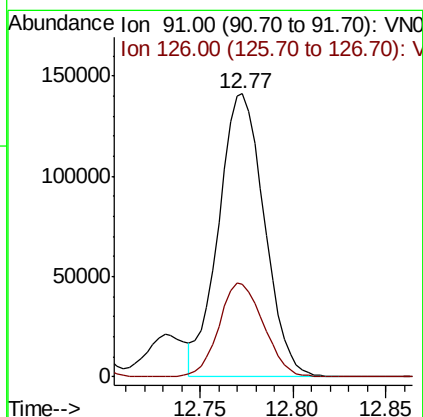
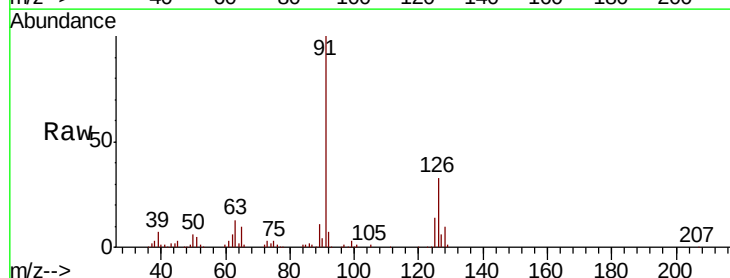
Acq: 19 Apr 2019 15:39

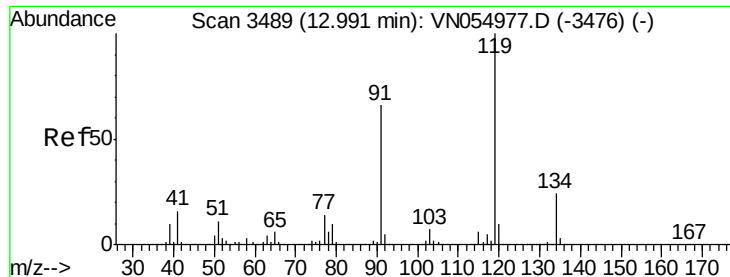
Tgt Ion: 91 Resp: 241992

Ion Ratio Lower Upper

91 100

126 32.4 0.0 66.6

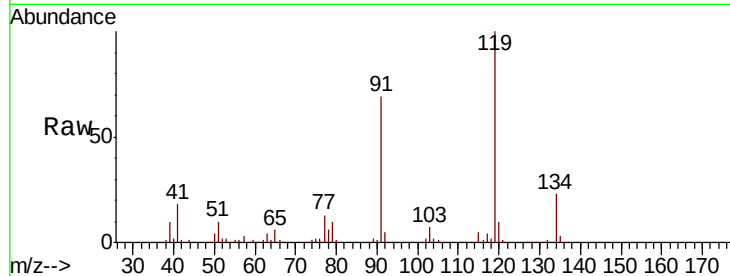




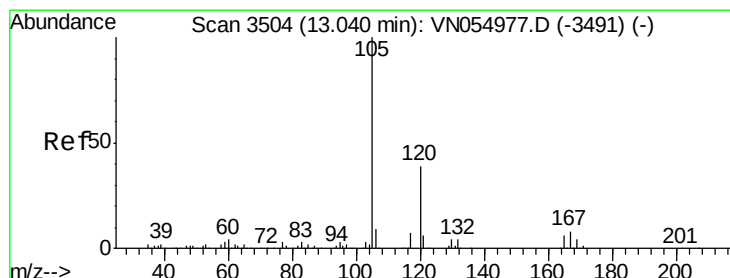
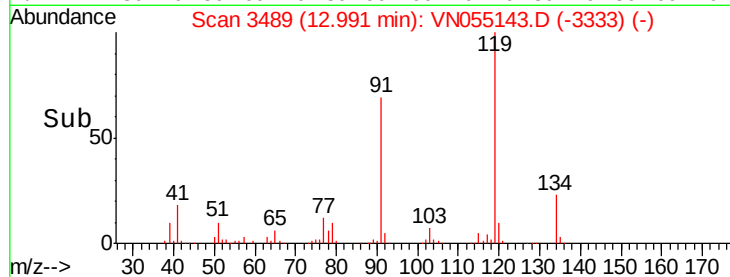
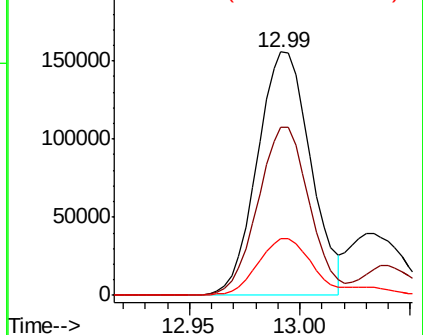
#79
 tert-butylbenzene
 Concen: 19.331 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:119 Resp: 260742
 Ion Ratio Lower Upper
 119 100
 91 67.0 0.0 132.6
 134 23.7 0.0 47.6

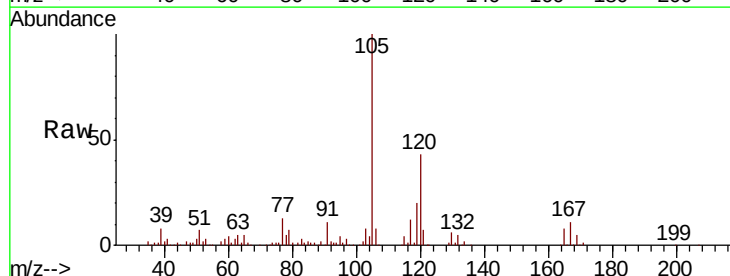


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

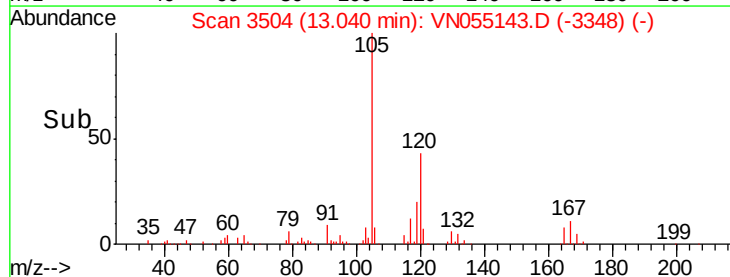
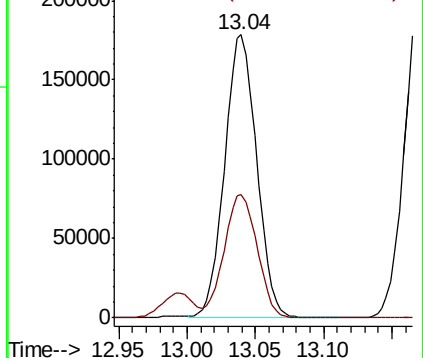


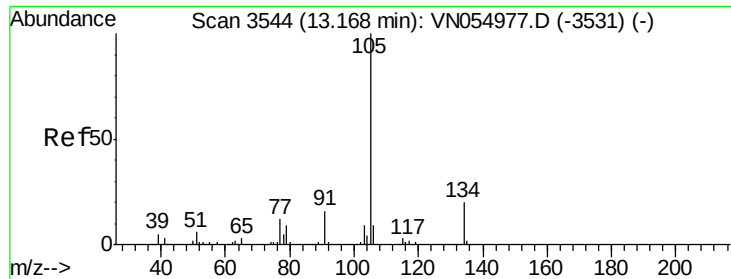
#80
 1,2,4-Trimethylbenzene
 Concen: 19.056 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion:105 Resp: 291825
 Ion Ratio Lower Upper
 105 100
 120 44.9 0.0 91.4



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





#81

sec-Butylbenzene

Concen: 18.641 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

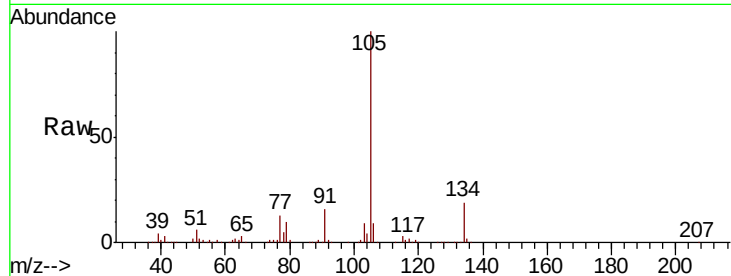
VSTDCCC020EC

Tot Ion:105 Resp: 335973

Ion Ratio Lower Upper

105 100

134 19.3 0.0 40.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

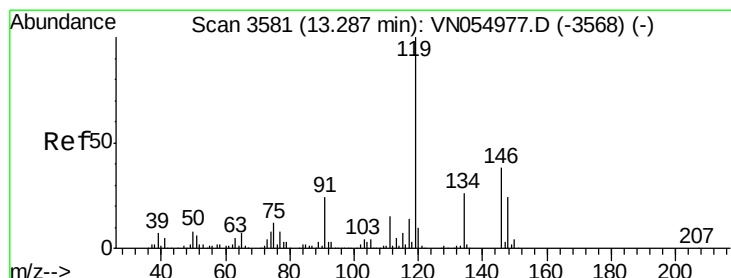
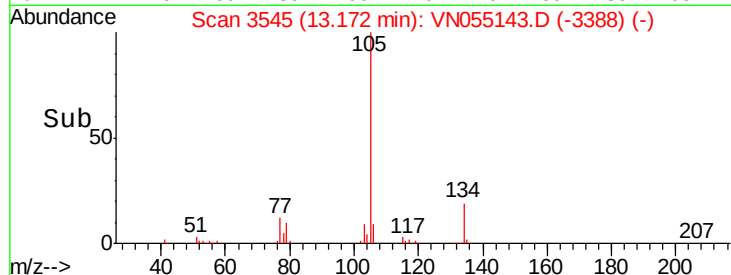
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 17.646 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

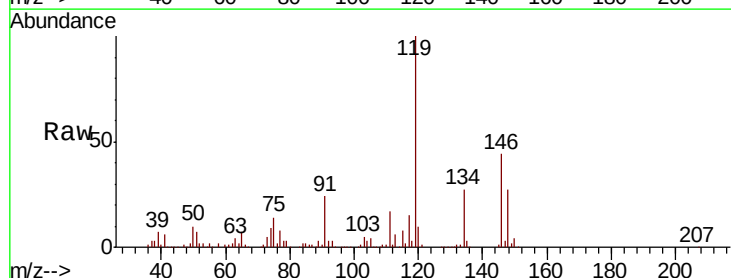
Tgt Ion:119 Resp: 268408

Ion Ratio Lower Upper

119 100

134 26.5 0.0 53.2

91 24.0 0.0 47.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

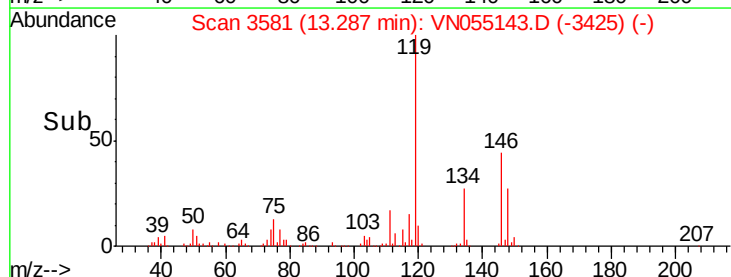
100000

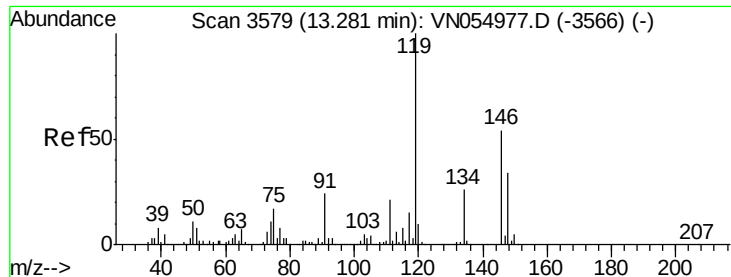
50000

0

13.25 13.30 13.35

Time-->

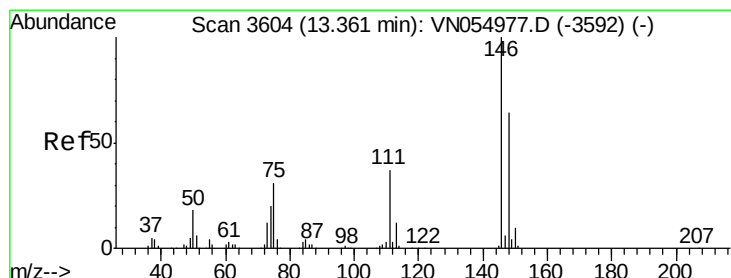
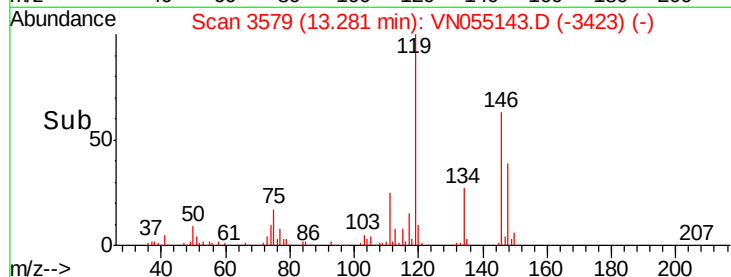
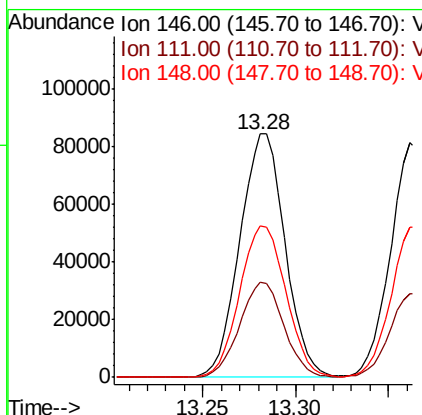
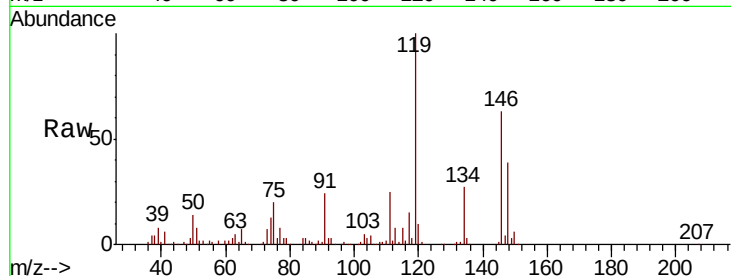




#83
 1,3-Dichlorobenzene
 Concen: 18.896 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

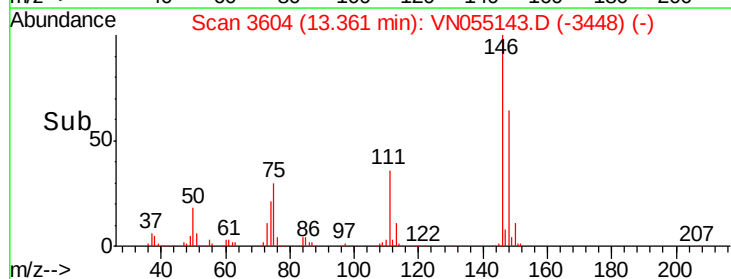
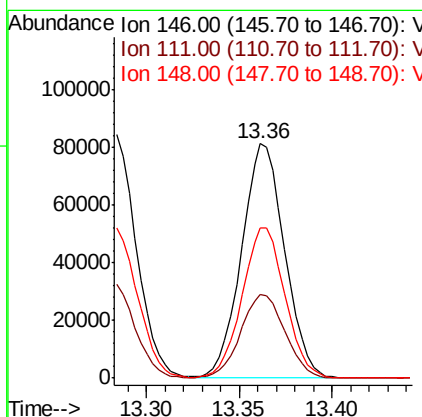
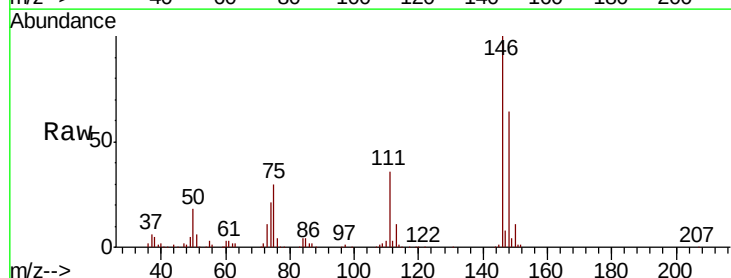
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

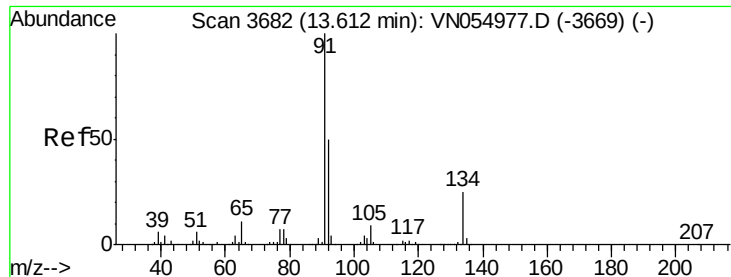
Tot Ion:146 Resp: 144073
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.5
 148 63.3 31.9 95.5



#84
 1,4-Dichlorobenzene
 Concen: 18.145 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion:146 Resp: 131471
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.4 55.2
 148 63.8 32.5 97.4





#85

n-Butylbenzene

Concen: 15.377 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

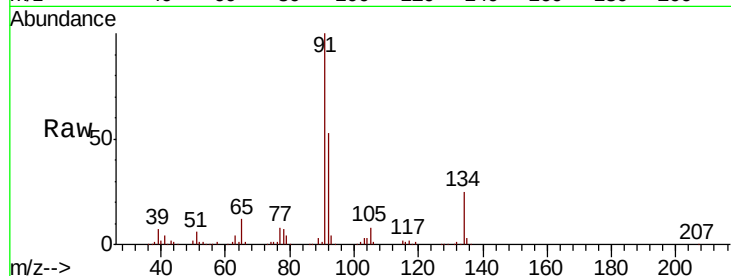
Tot Ion: 91 Resp: 186320

Ion Ratio Lower Upper

91 100

92 52.4 0.0 101.4

134 25.0 0.0 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN054977.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054977.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054977.D (-3669) (-)

13.61

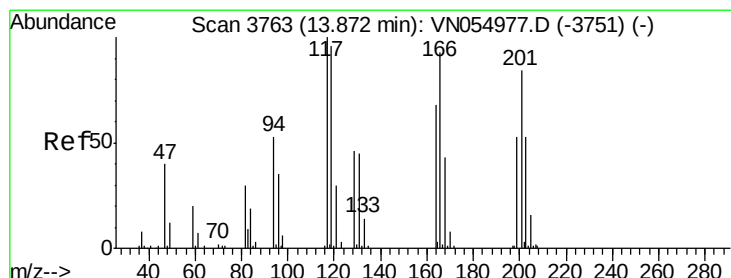
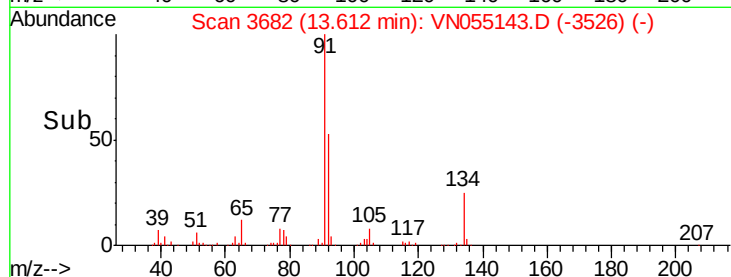
100000

50000

0

13.55 13.60 13.65

Time-->



#86

Hexachloroethane

Concen: 18.366 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055143.D

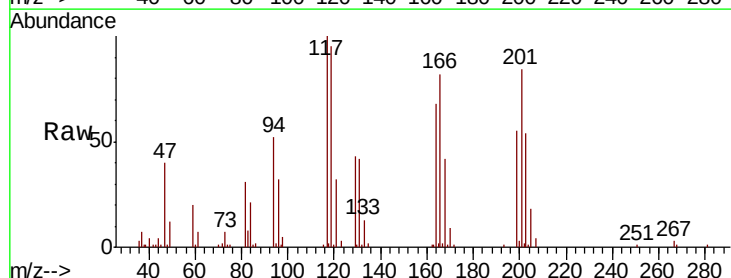
Acq: 19 Apr 2019 15:39

Tgt Ion: 117 Resp: 44720

Ion Ratio Lower Upper

117 100

201 85.9 42.8 128.3



Abundance Ion 117.00 (116.70 to 117.70): VN054977.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054977.D (-3751) (-)

13.87

30000

25000

20000

15000

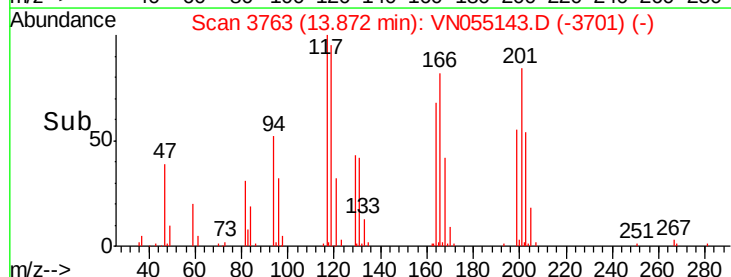
10000

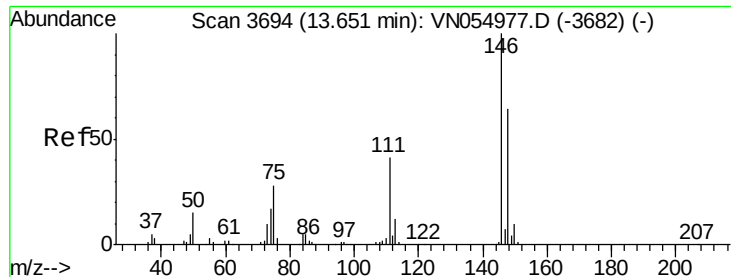
5000

0

13.85 13.90

Time-->

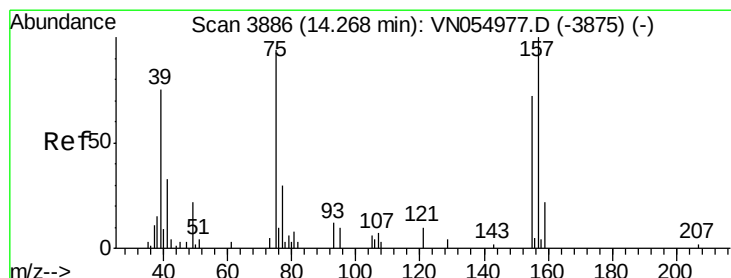
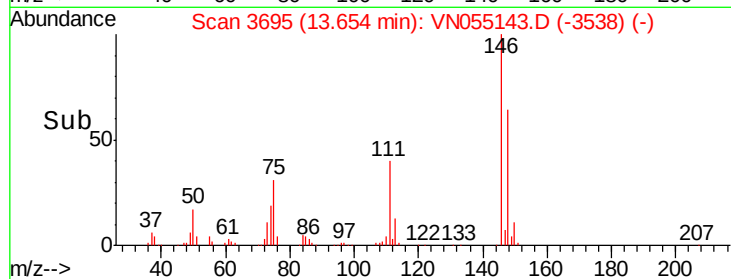
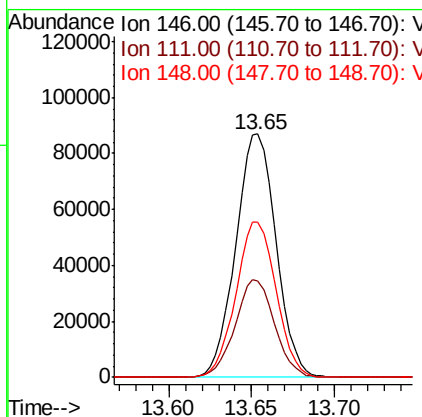
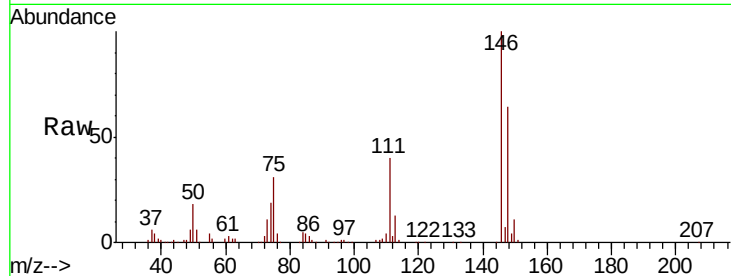




#87
 1,2-Dichlorobenzene
 Concen: 19.705 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

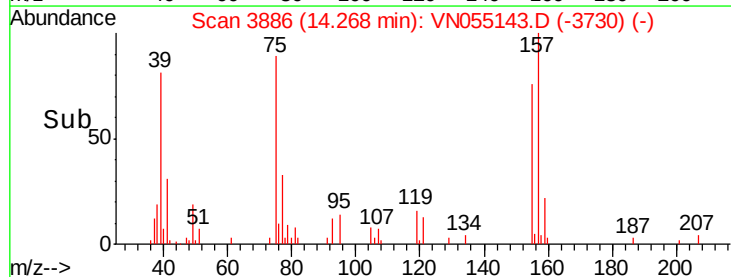
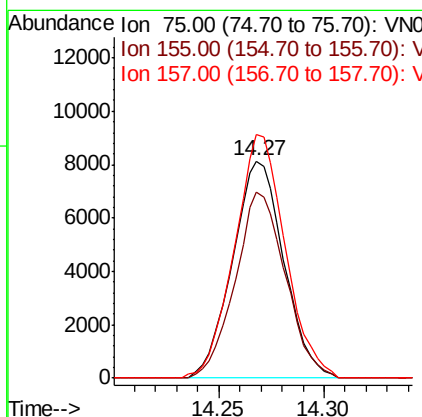
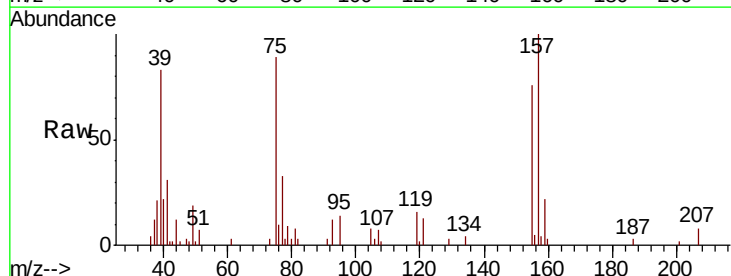
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

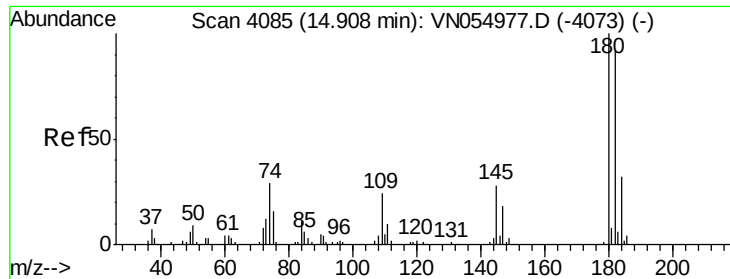
Tot Ion:146 Resp: 147134
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.3 60.8
 148 63.5 32.5 97.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.407 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion: 75 Resp: 13720
 Ion Ratio Lower Upper
 75 100
 155 83.9 61.8 92.8
 157 110.9 82.7 124.1

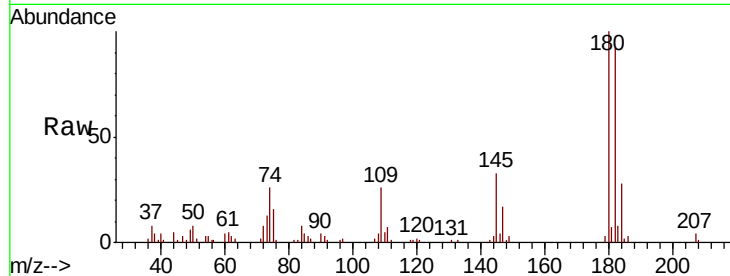




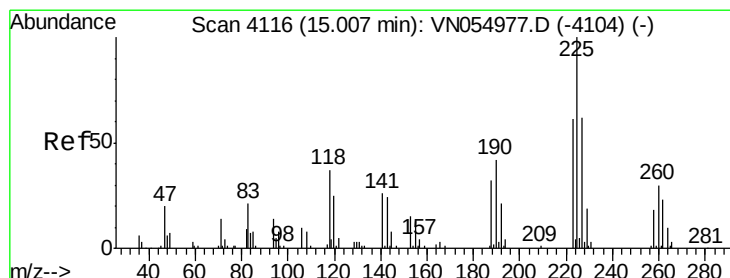
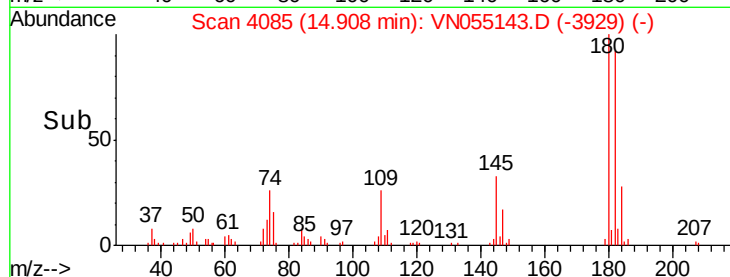
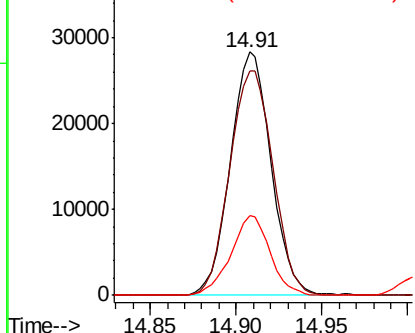
#89
 1,2,4-Trichlorobenzene
 Concen: 14.005 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:180 Resp: 46752
 Ion Ratio Lower Upper
 180 100
 182 98.0 73.2 109.8
 145 31.6 23.2 34.8

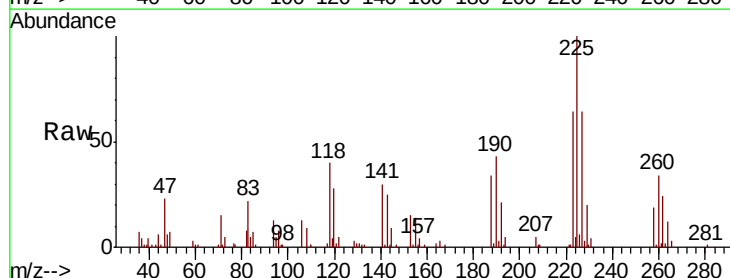


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

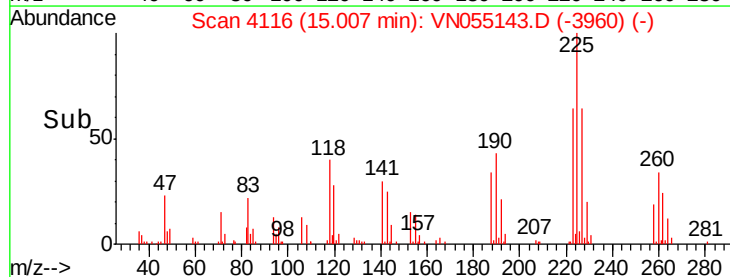
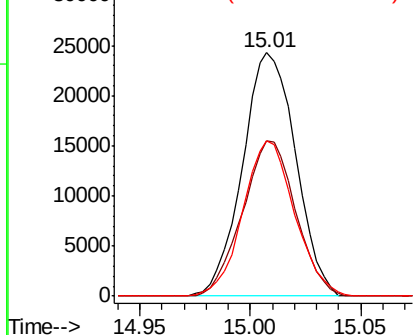


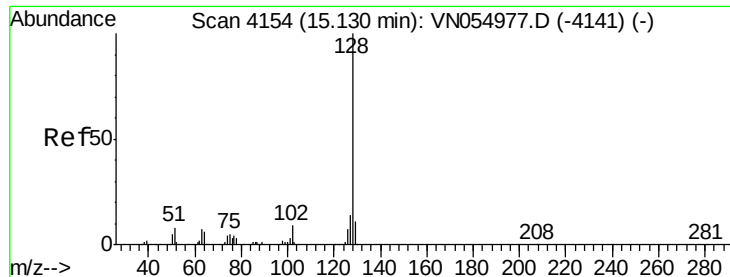
#90
 Hexachlorobutadiene
 Concen: 16.703 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055143.D
 Acq: 19 Apr 2019 15:39

Tgt Ion:225 Resp: 40654
 Ion Ratio Lower Upper
 225 100
 223 63.8 0.0 126.0
 227 62.5 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: 16.890 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

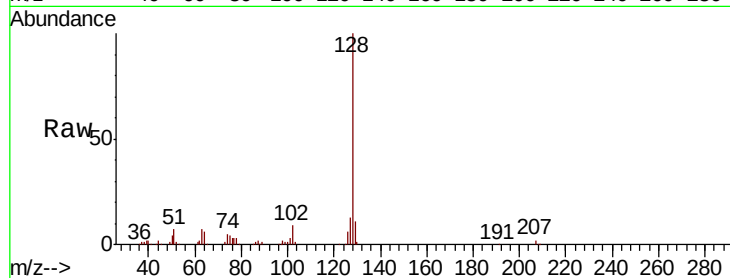
Tot Ion:128 Resp: 118061

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

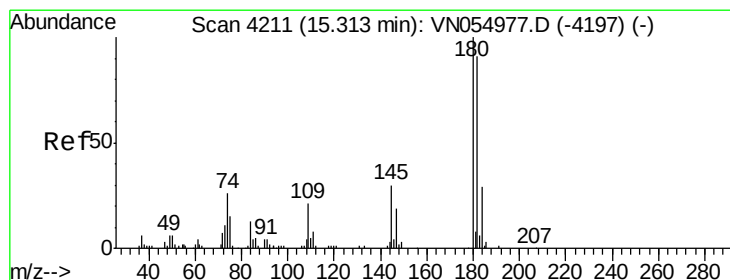
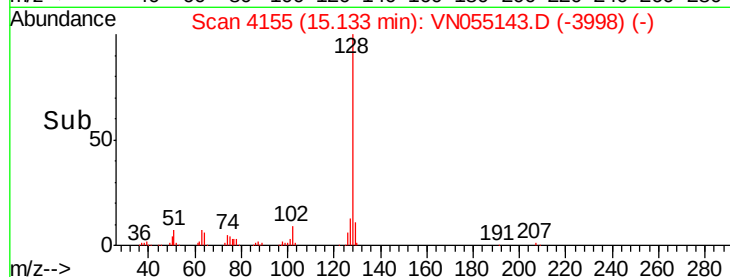
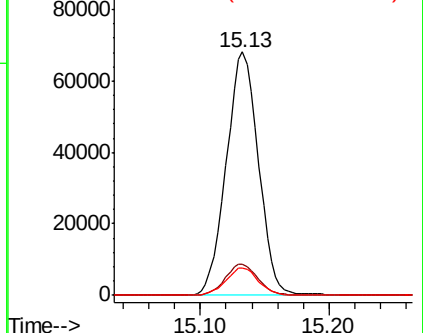
129 11.3 9.0 13.6



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: 16.176 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055143.D

Acq: 19 Apr 2019 15:39

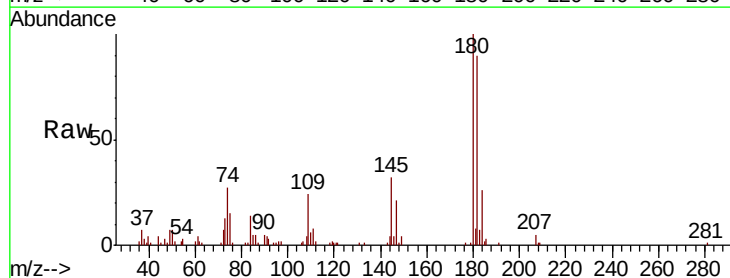
Tgt Ion:180 Resp: 54005

Ion Ratio Lower Upper

180 100

182 94.7 0.0 188.2

145 32.2 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

