

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072518\
 Data File : VN050037.D
 Acq On : 25 Jul 2018 8:56
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jul 26 05:38:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 05:33:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140394	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	731151	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	643623	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	290889	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.40	95	293125	29.64	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.80%
63) Toluene-d8	10.09	98	946855	30.80	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.67%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	218435	22.578 ug/l	98
3) Chloromethane	2.06	50	208828	20.935 ug/l	99
4) Vinyl Chloride	2.18	62	224296	21.120 ug/l	97
5) Bromomethane	2.56	94	134484	20.773 ug/l	99
6) Chloroethane	2.70	64	131633	20.958 ug/l	99
7) Trichlorofluoromethane	3.01	101	297982	21.473 ug/l	100
8) Diethyl Ether	3.41	74	91677	19.695 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	181843	21.540 ug/l	99
10) 1,1-Dichloroethene	3.73	96	156337	20.886 ug/l	95
11) Methyl Iodide	3.95	142	223121	20.258 ug/l	98
12) Methyl Acetate	4.33	43	178951	20.870 ug/l	100
13) Acrolein	3.61	56	47245	89.156 ug/l	94
14) Acrylonitrile	5.00	53	284283	99.358 ug/l	97
15) Acetone	3.82	58	80173	105.436 ug/l	97
16) Carbon Disulfide	4.05	76	473935	20.689 ug/l	100
17) Allyl chloride	4.32	41	236326	19.992 ug/l	100
18) Methylene Chloride	4.55	84	179033	20.727 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	166714	20.803 ug/l	99
20) Diisopropyl ether	5.96	45	505648	20.861 ug/l	96
21) 1,1-Dichloroethane	5.85	63	314921	20.663 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	180955	20.361 ug/l	98
23) tert-Butyl Alcohol	4.80	59	62787	98.160 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	413539	20.258 ug/l	99
25) Chloroform	7.37	83	322129	20.879 ug/l	97
26) Cyclohexane	7.65	56	248212	20.494 ug/l	100
29) 1,1-Dichloropropene	7.80	75	237995	20.974 ug/l	99
30) 2-Butanone	6.84	43	351332	98.671 ug/l	99
31) 2,2-Dichloropropane	6.83	77	259781	20.712 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	274916	20.584 ug/l	99
33) Carbon Tetrachloride	7.78	117	242882	20.401 ug/l	99
34) Benzene	8.04	78	711596	20.650 ug/l	99
35) Methacrylonitrile	7.18	41	76665	18.910 ug/l	92
36) 1,2-Dichloroethane	8.13	62	233294	20.619 ug/l	99
37) Trichloroethene	8.84	130	185108	20.481 ug/l	95
38) Methylcyclohexane	9.08	83	238605	19.947 ug/l	98
39) 1,2-Dichloropropane	9.12	63	187009	20.601 ug/l	98
40) Dibromomethane	9.21	93	113700	20.265 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240710	20.339	ug/l	98
42) Vinyl Acetate	5.90	43	1662566	99.225	ug/l	99
43) Ethyl Acetate	6.93	43	151586	20.388	ug/l	93
44) Isopropyl Acetate	8.17	43	277386	20.139	ug/l	97
45) 1,4-Dioxane	9.20	88	36272	400.200	ug/l	100
46) Methyl methacrylate	9.20	41	132012	19.771	ug/l	99
47) n-amyl Acetate	12.07	43	197586	18.436	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	226371	19.293	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	266043	20.072	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	163295	20.277	ug/l	99
51) Ethyl methacrylate	10.43	69	181938	18.613	ug/l	99
52) 1,3-Dichloropropane	10.71	76	268236	20.283	ug/l	99
53) Dibromochloromethane	10.90	129	182574	19.976	ug/l	99
54) 1,2-Dibromoethane	11.01	107	157302	19.944	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	430562	97.325	ug/l	100
56) Bromoform	12.13	173	125194	19.399	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	764287	102.052	ug/l	99
59) 2-Hexanone	10.75	43	509572	99.735	ug/l	100
61) Tetrachloroethene	10.63	164	186518	21.395	ug/l	97
62) Toluene	10.16	91	764551	20.820	ug/l	100
64) Chlorobenzene	11.44	112	454454	20.409	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	179657	20.685	ug/l	99
66) Ethyl Benzene	11.51	91	757112	20.175	ug/l	99
67) m/p-Xylenes	11.62	106	601581	41.656	ug/l	100
68) o-Xylene	11.95	106	276280	20.107	ug/l	99
69) Styrene	11.97	104	452282	20.533	ug/l	99
70) Isopropylbenzene	12.25	105	749300	20.476	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	201333	20.038	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	242726	30.086	ug/l	51
73) Bromobenzene	12.53	156	196518	20.159	ug/l	99
74) n-propylbenzene	12.59	91	881417	20.681	ug/l	99
75) 2-Chlorotoluene	12.68	91	527363	20.601	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	630767	20.986	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	52299	18.641	ug/l	93
78) 4-Chlorotoluene	12.77	91	521712	20.566	ug/l	99
79) tert-butylbenzene	12.99	119	523112	20.357	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	639465	20.999	ug/l	99
81) sec-Butylbenzene	13.17	105	723833	20.735	ug/l	100
82) p-Isopropyltoluene	13.29	119	616103	20.685	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	344518	20.296	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	325760	20.308	ug/l	100
85) n-Butylbenzene	13.62	91	479667	19.843	ug/l	99
86) Hexachloroethane	13.88	117	121445	20.404	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	344830	20.783	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31101	19.870	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	149776	18.899	ug/l	99
90) Hexachlorobutadiene	15.01	225	112092	21.453	ug/l	98
91) Naphthalene	15.14	128	294613	19.501	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	157478	19.539	ug/l	99

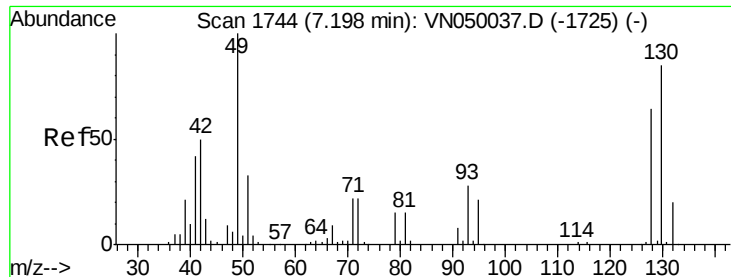
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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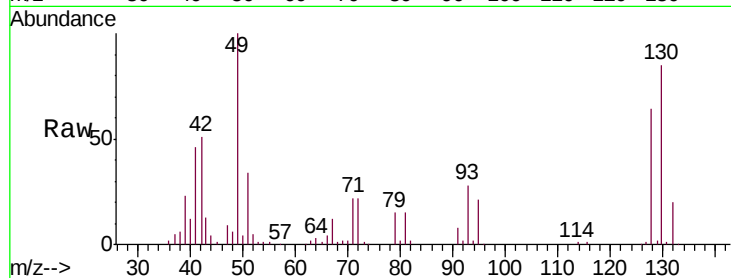
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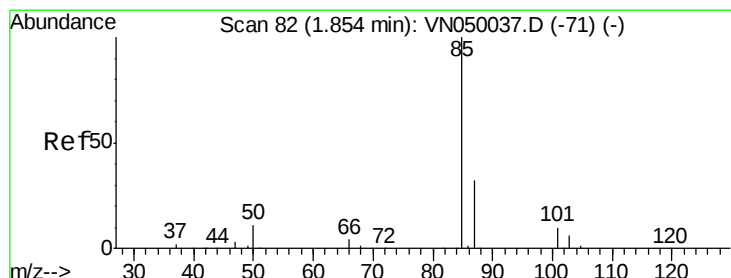
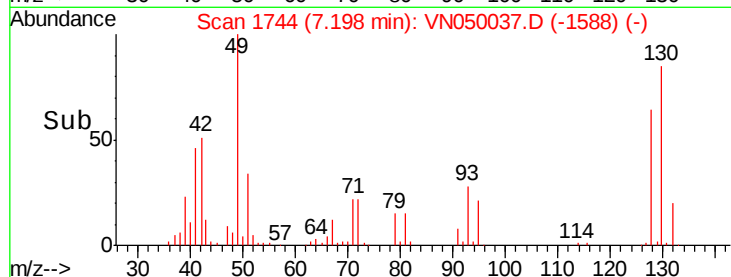
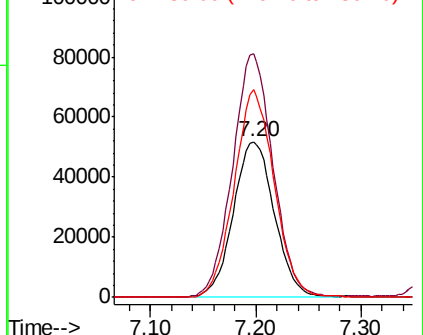
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 128 Resp: 140394
 Ion Ratio Lower Upper
 128 100
 49 154.2 0.0 378.3
 130 130.0 0.0 320.7

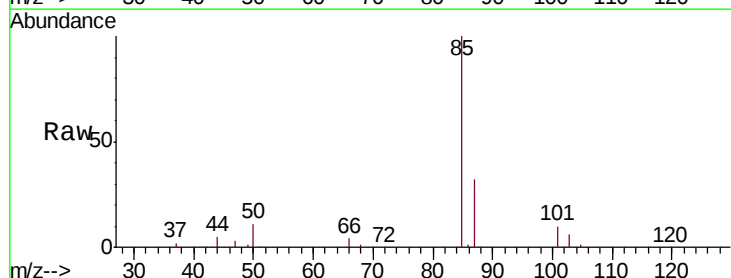


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

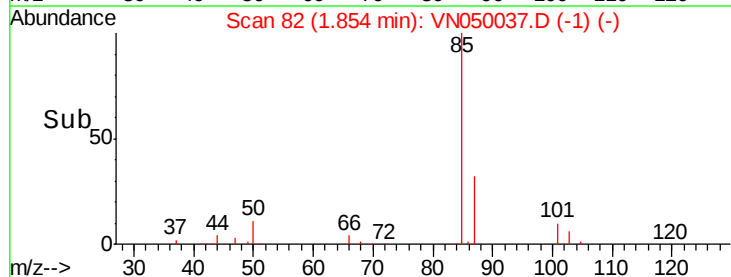
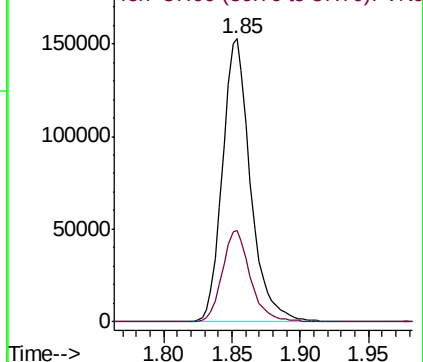


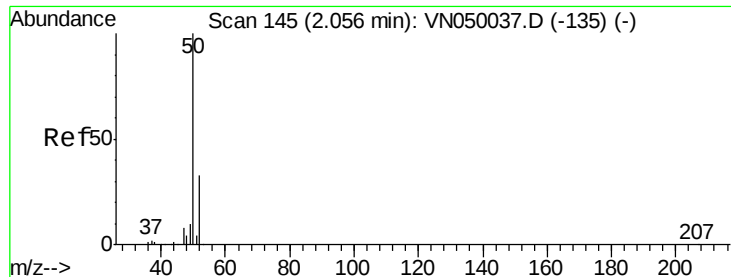
#2
 Dichlorodifluoromethane
 Concen: 22.578 ug/l
 RT: 1.85 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 85 Resp: 218435
 Ion Ratio Lower Upper
 85 100
 87 32.2 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.935 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

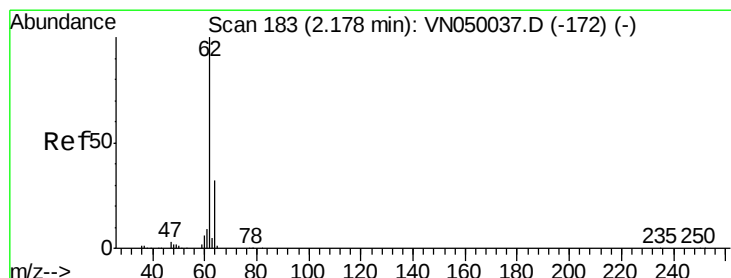
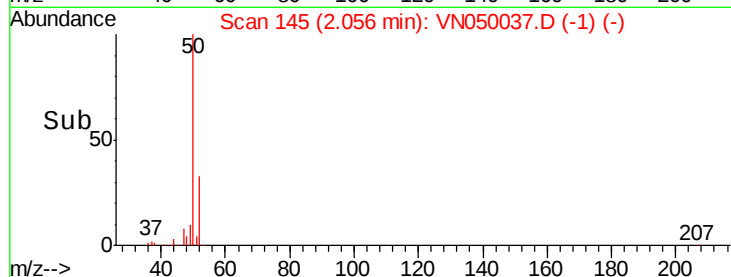
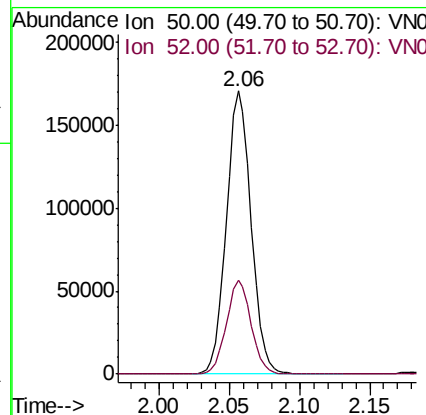
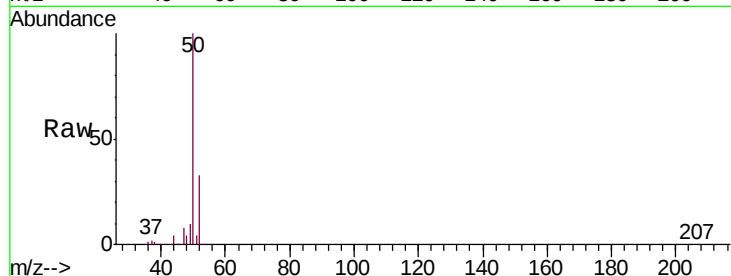
VSTDICCC020

Tgt Ion: 50 Resp: 208828

Ion Ratio Lower Upper

50 100

52 33.0 26.1 39.1



#4

Vinyl Chloride

Concen: 21.120 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050037.D

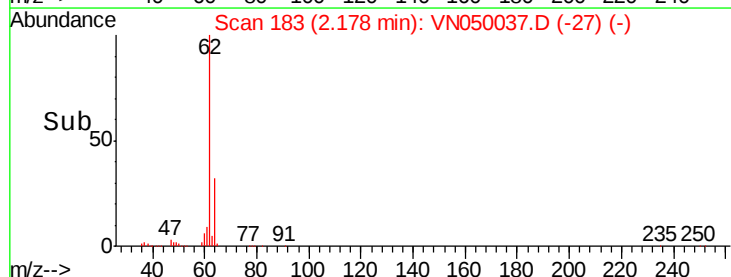
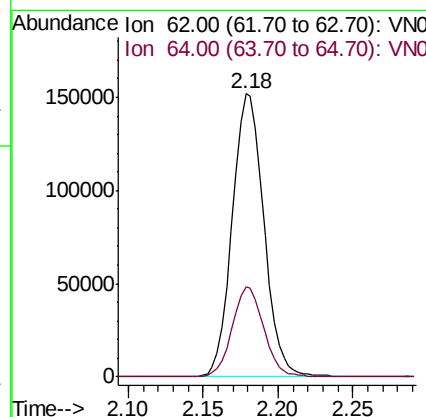
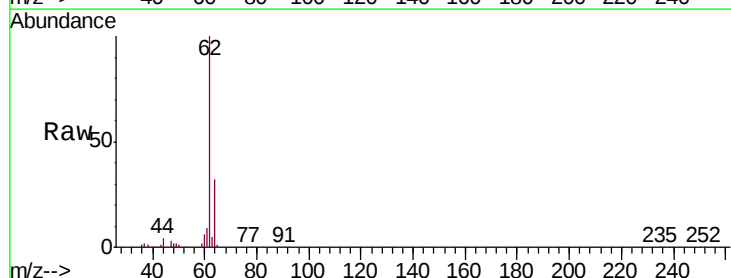
Acq: 25 Jul 2018 8:56

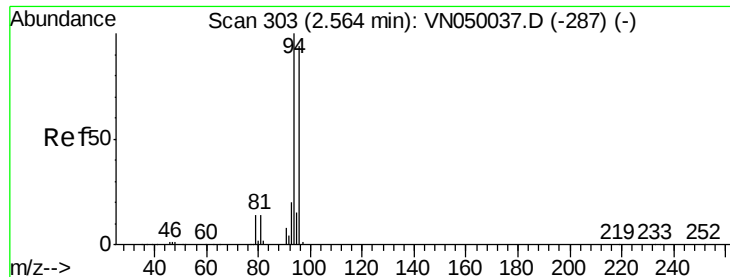
Tgt Ion: 62 Resp: 224296

Ion Ratio Lower Upper

62 100

64 31.9 24.4 36.6





#5

Bromomethane

Concen: 20.773 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

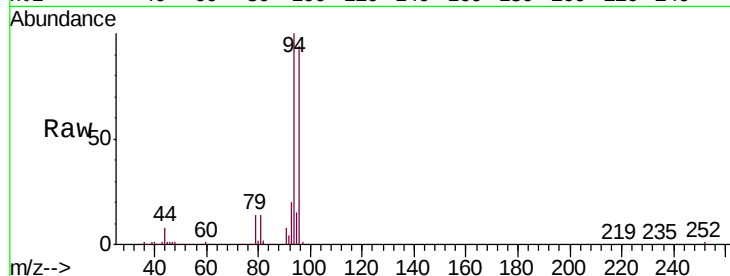
VSTDICCC020

Tgt Ion: 94 Resp: 134484

Ion Ratio Lower Upper

94 100

96 93.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN050037.D (-287) (-)

Ion 96.00 (95.70 to 96.70): VN050037.D (-287) (-)

2.56

80000

60000

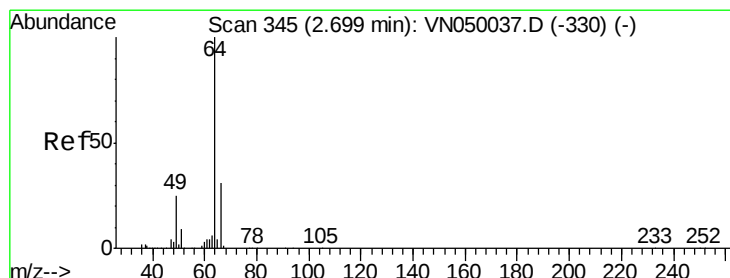
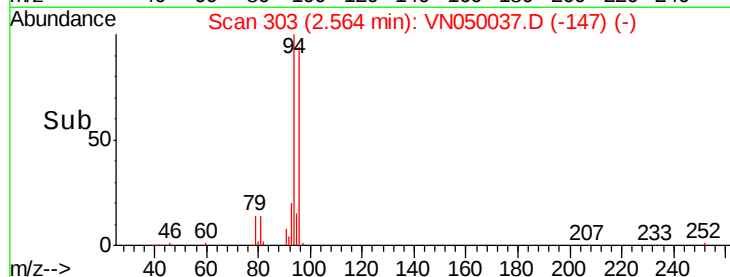
40000

20000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.958 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050037.D

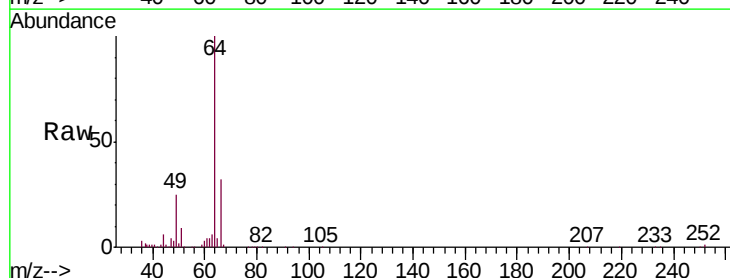
Acq: 25 Jul 2018 8:56

Tgt Ion: 64 Resp: 131633

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN050037.D (-330) (-)

Ion 66.00 (65.70 to 66.70): VN050037.D (-330) (-)

2.70

80000

60000

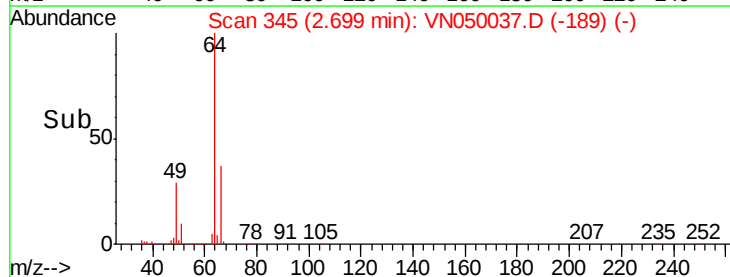
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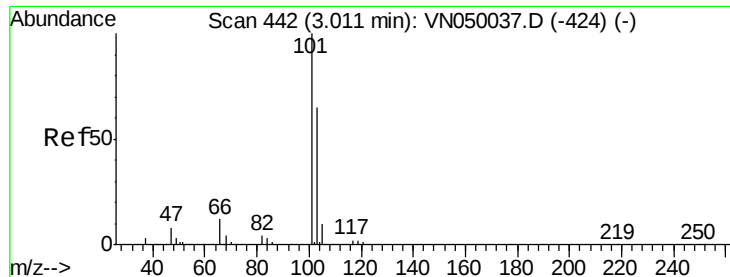
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Time-->

2.60 2.70 2.80



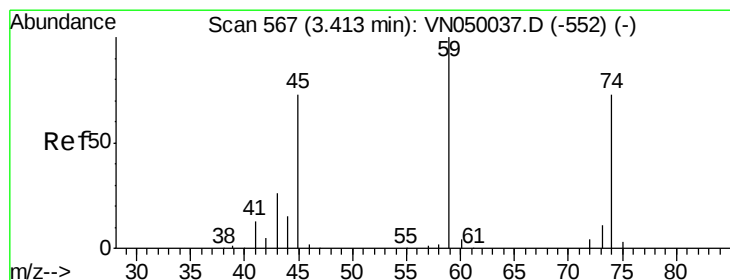
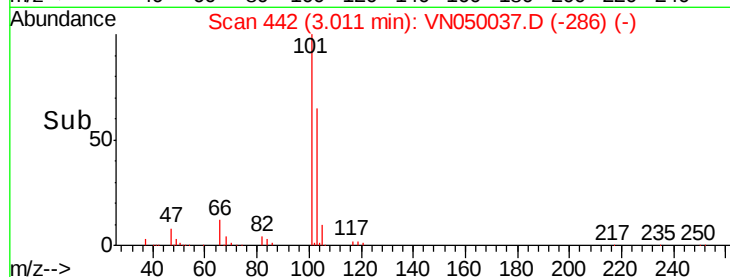
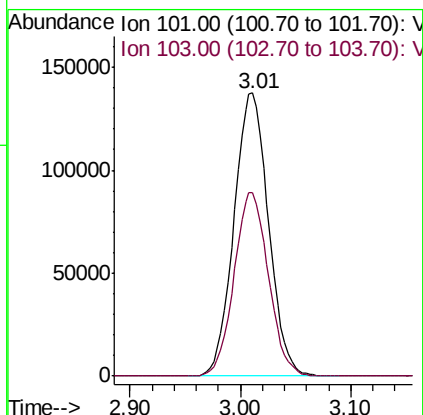
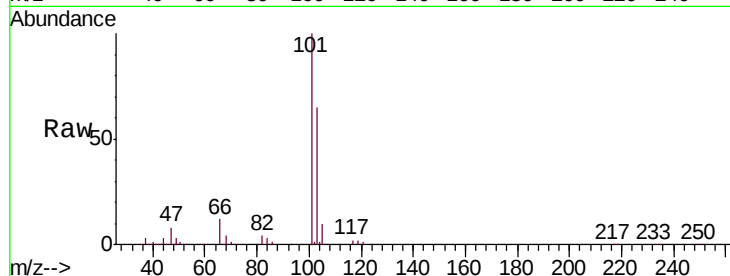


#7

Trichlorofluoromethane
 Concen: 21.473 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

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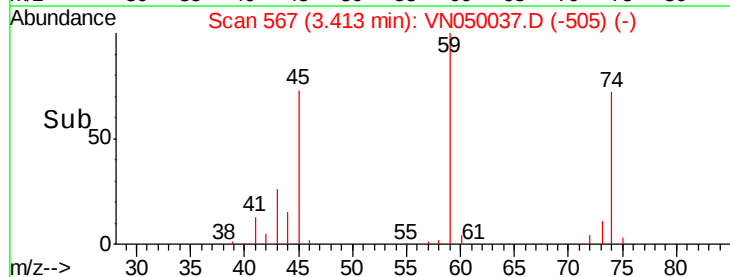
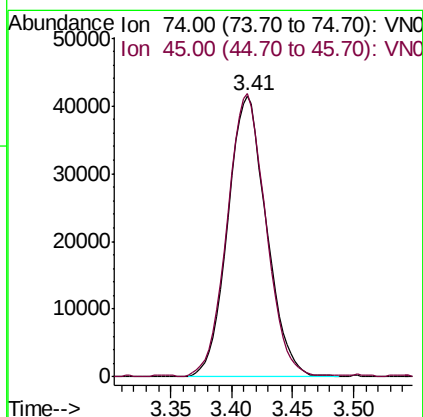
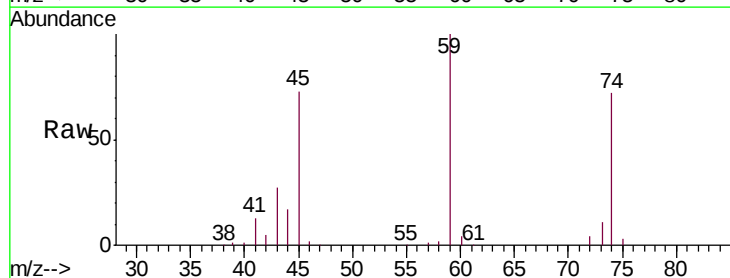
Tgt Ion: 101 Resp: 297982
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3

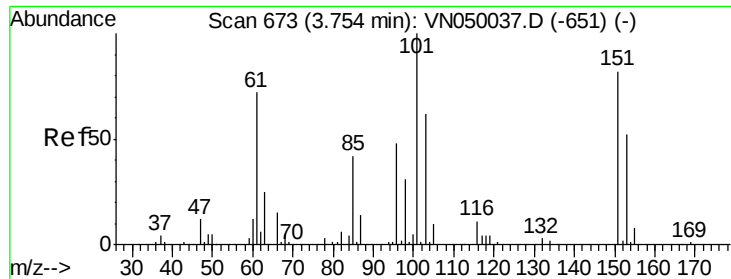


#8

Diethyl Ether
 Concen: 19.695 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 74 Resp: 91677
 Ion Ratio Lower Upper
 74 100
 45 99.7 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.540 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

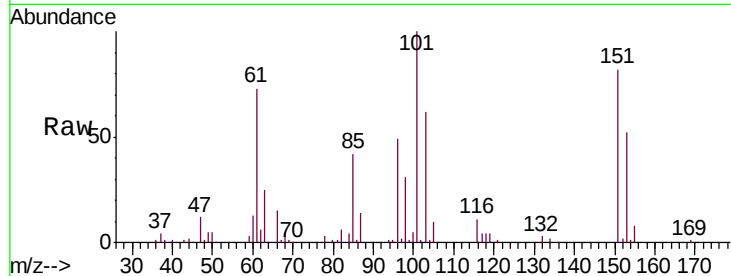
Tgt Ion: 101 Resp: 181843

Ion Ratio Lower Upper

101 100

85 42.5 0.0 83.0

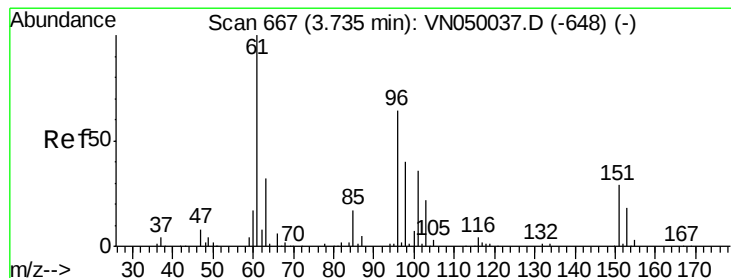
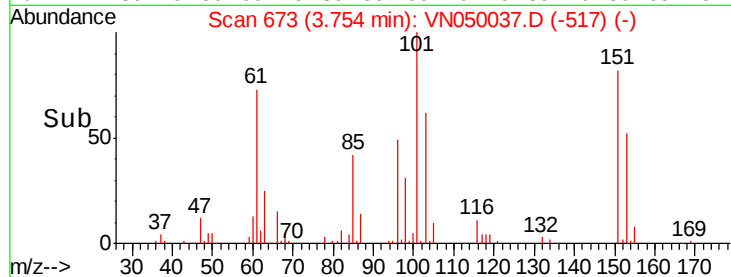
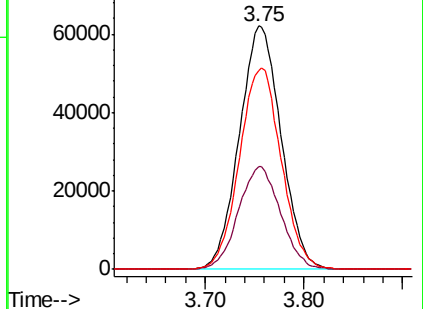
151 82.9 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.886 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

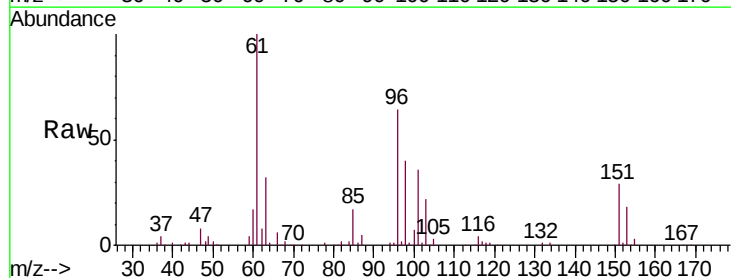
Tgt Ion: 96 Resp: 156337

Ion Ratio Lower Upper

96 100

61 155.9 130.6 195.8

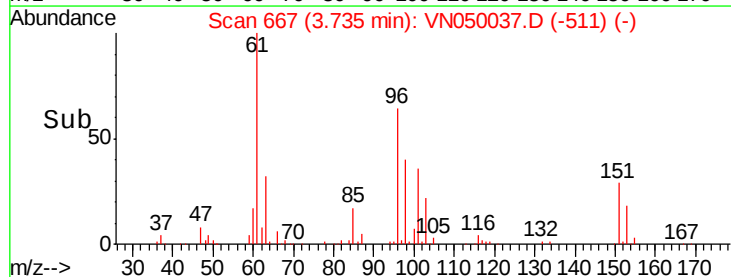
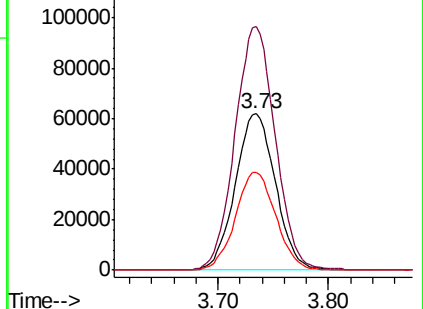
98 62.9 53.5 80.3

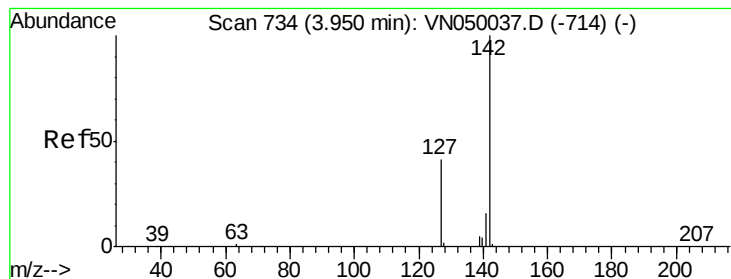


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 20.258 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

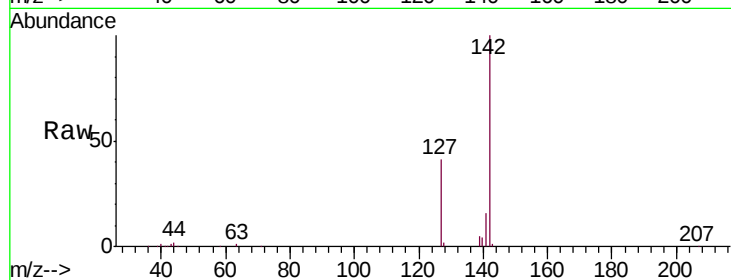
Tgt Ion:142 Resp: 223121

Ion Ratio Lower Upper

142 100

127 41.0 20.2 60.5

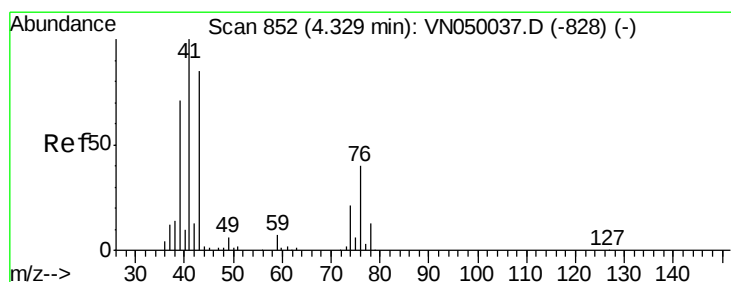
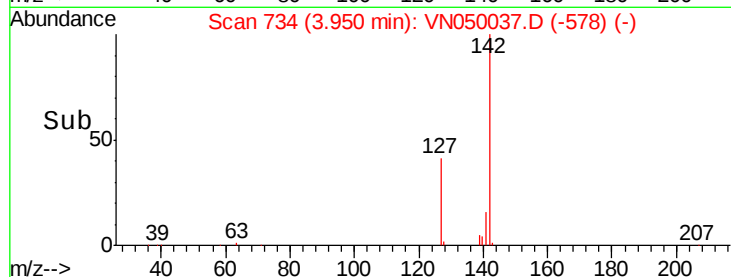
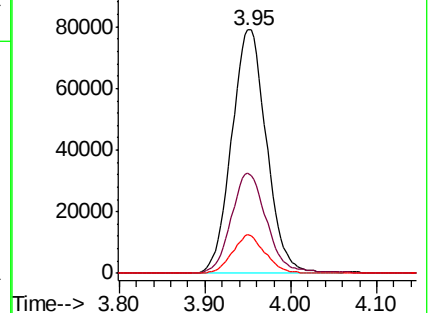
141 15.8 6.9 20.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 20.870 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050037.D

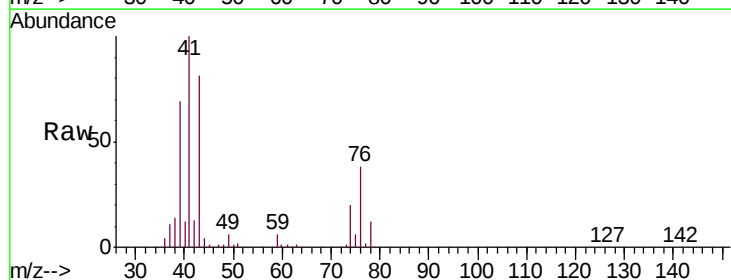
Acq: 25 Jul 2018 8:56

Tgt Ion: 43 Resp: 178951

Ion Ratio Lower Upper

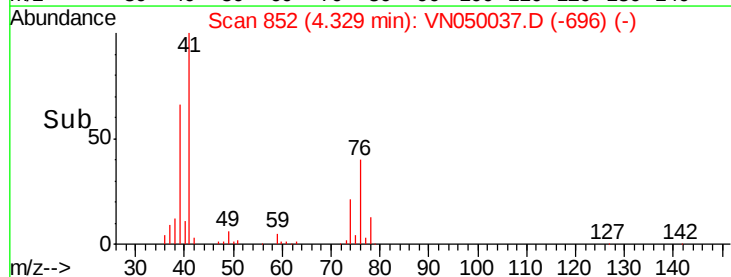
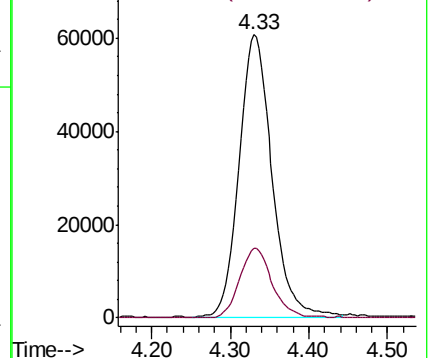
43 100

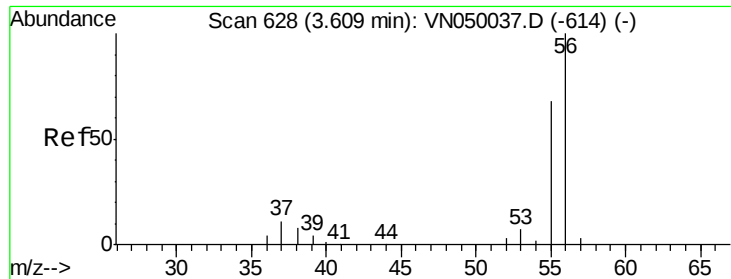
74 24.3 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 89.156 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

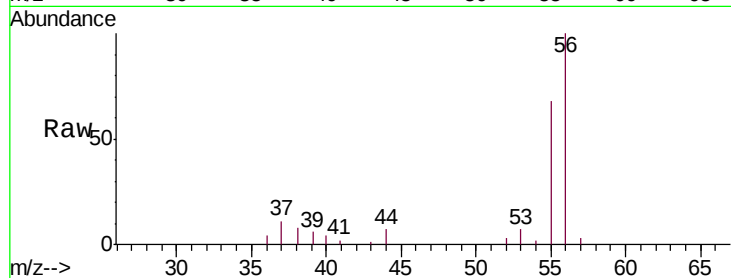
VSTDICCC020

Tgt Ion: 56 Resp: 47245

Ion Ratio Lower Upper

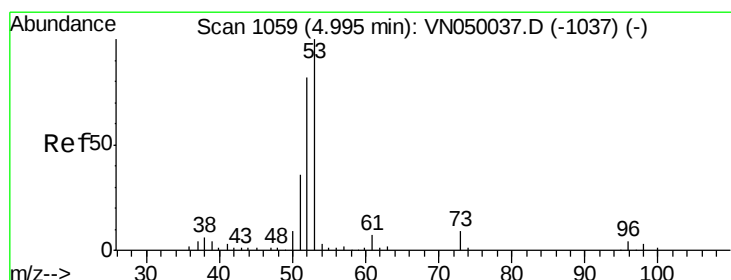
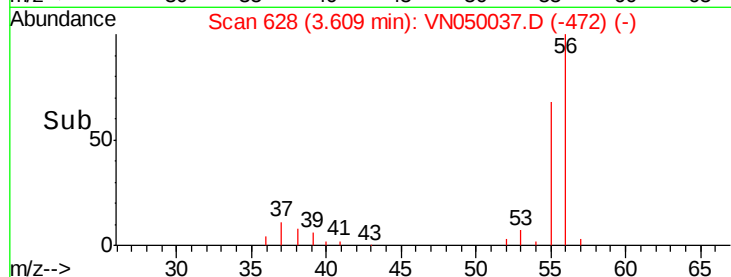
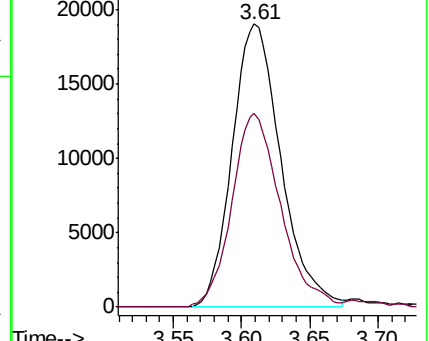
56 100

55 68.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 99.358 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

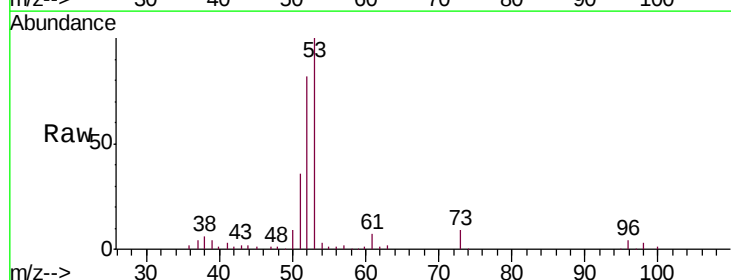
Tgt Ion: 53 Resp: 284283

Ion Ratio Lower Upper

53 100

52 79.9 41.5 124.5

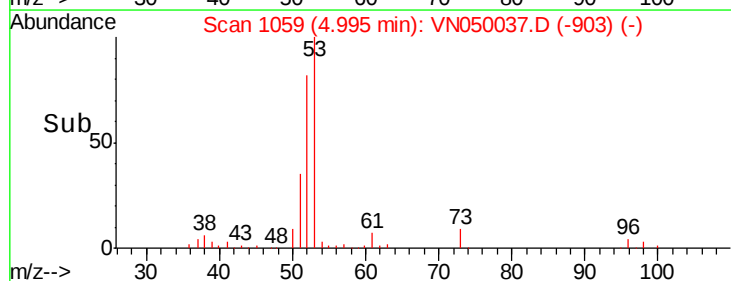
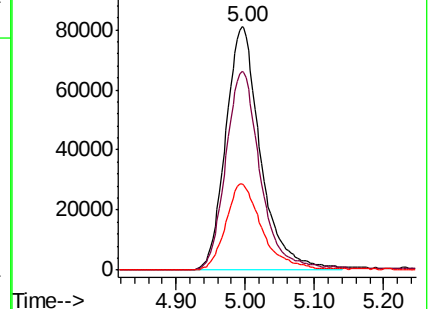
51 36.7 18.7 56.1

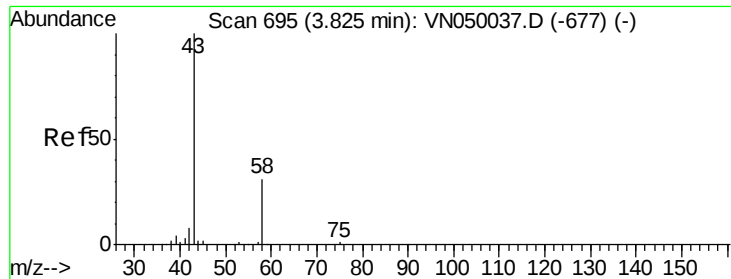


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 105.436 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

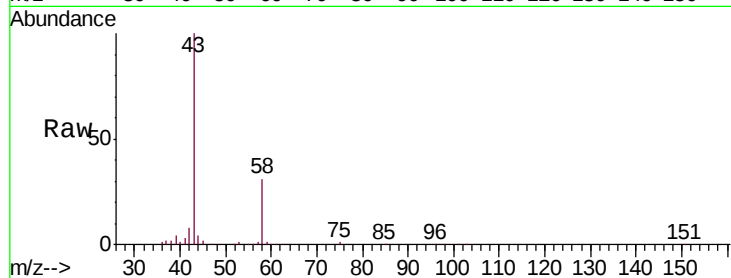
VSTDICCC020

Tgt Ion: 58 Resp: 80173

Ion Ratio Lower Upper

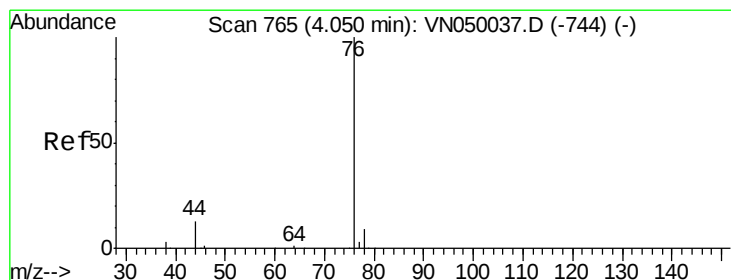
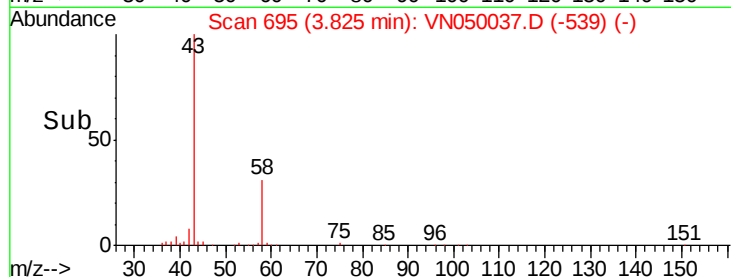
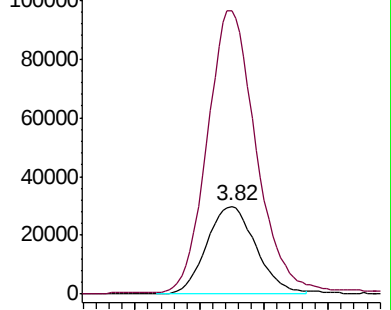
58 100

43 320.6 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN050037.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-677) (-)



#16

Carbon Disulfide

Concen: 20.689 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050037.D

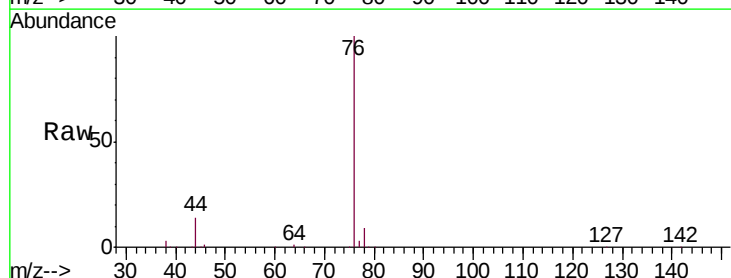
Acq: 25 Jul 2018 8:56

Tgt Ion: 76 Resp: 473935

Ion Ratio Lower Upper

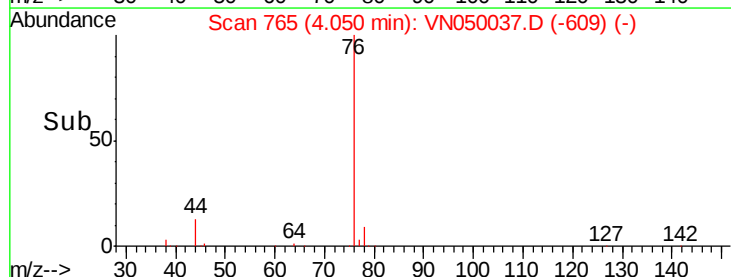
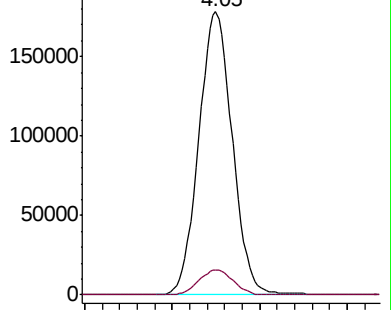
76 100

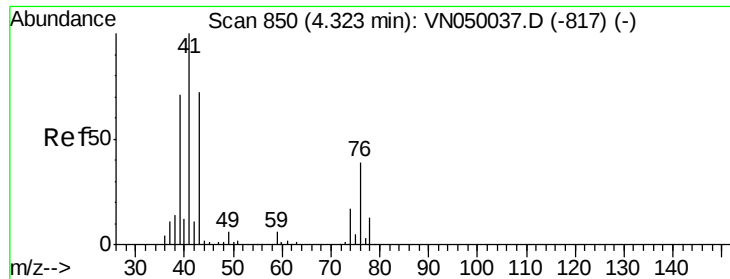
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050037.D (-744) (-)

Ion 78.00 (77.70 to 78.70): VN050037.D (-744) (-)

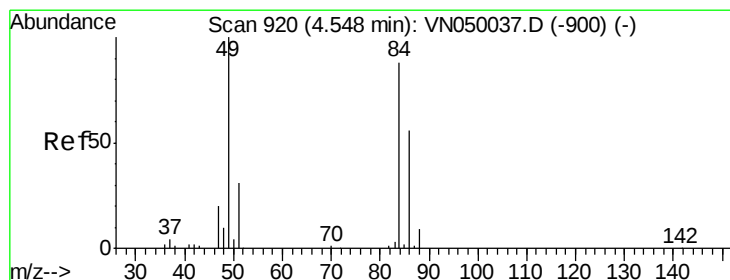
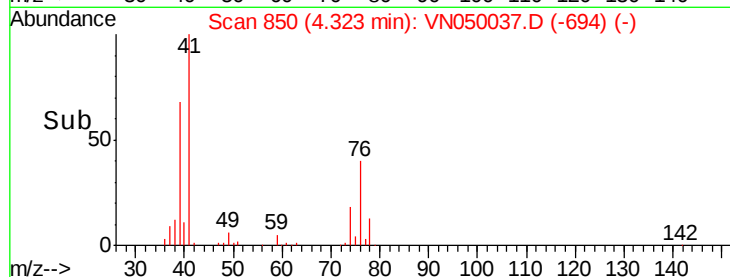
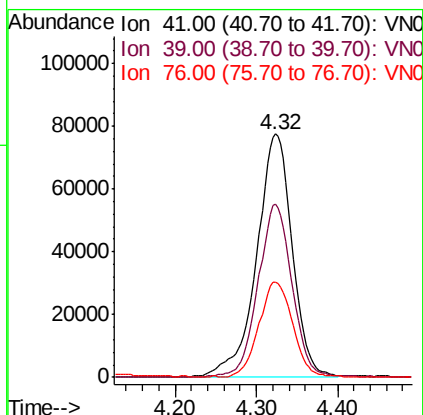
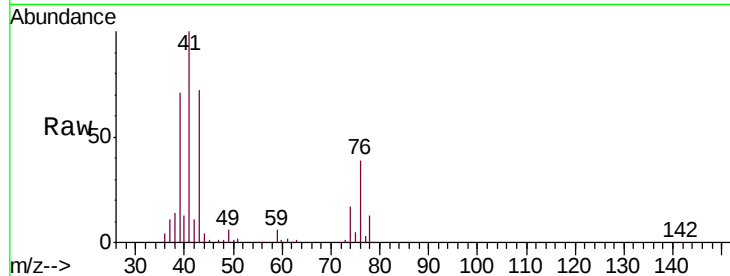




#17
 Allyl chloride
 Concen: 19.992 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

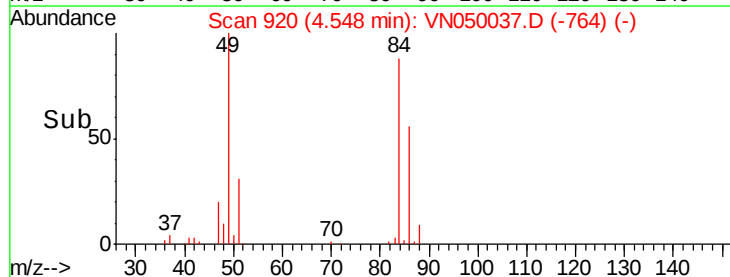
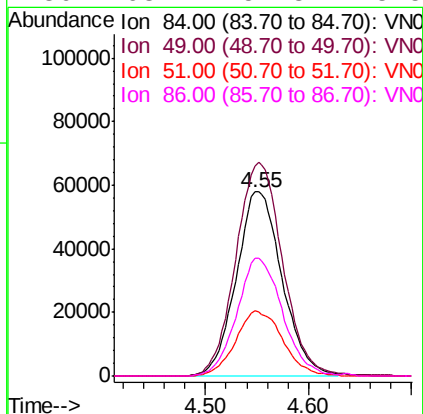
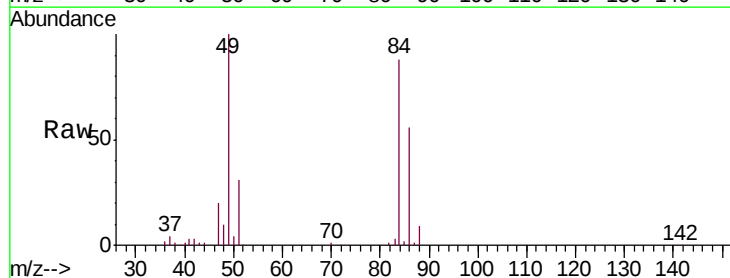
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

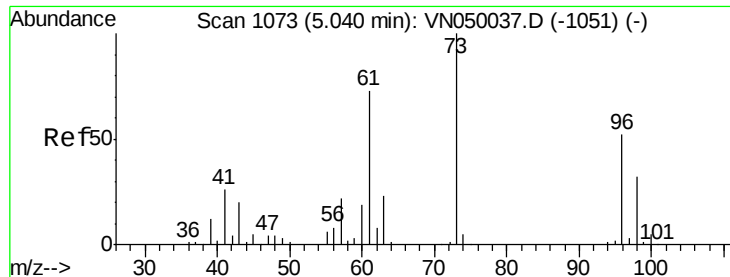
Tgt Ion: 41 Resp: 236326
 Ion Ratio Lower Upper
 41 100
 39 70.9 35.4 106.3
 76 38.7 19.7 59.1



#18
 Methylene Chloride
 Concen: 20.727 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 84 Resp: 179033
 Ion Ratio Lower Upper
 84 100
 49 113.8 95.1 142.7
 51 35.3 28.8 43.2
 86 63.7 52.3 78.5





#19

trans-1,2-Dichloroethene

Concen: 20.803 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

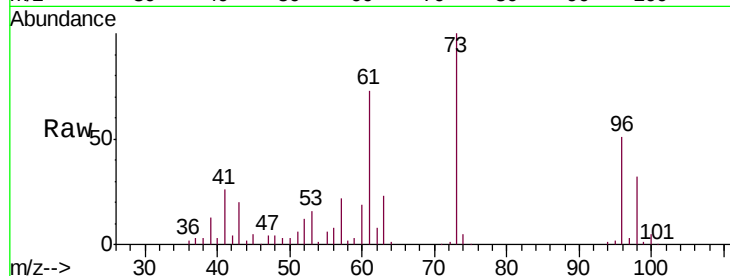
Tgt Ion: 96 Resp: 166714

Ion Ratio Lower Upper

96 100

61 141.1 112.1 168.1

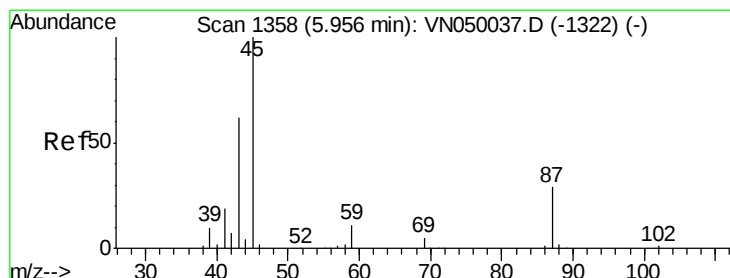
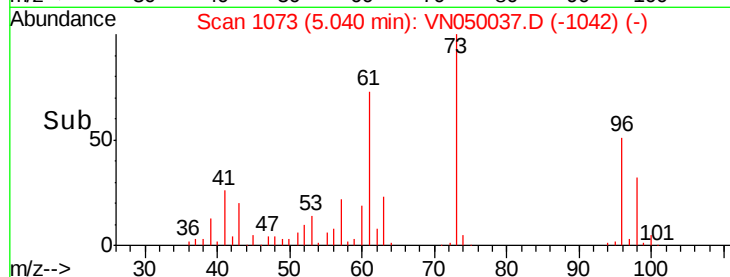
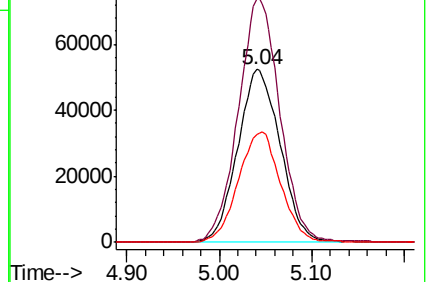
98 62.2 51.3 76.9



Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1051) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1051) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1051) (-)



#20

Diisopropyl ether

Concen: 20.861 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Tgt Ion: 45 Resp: 505648

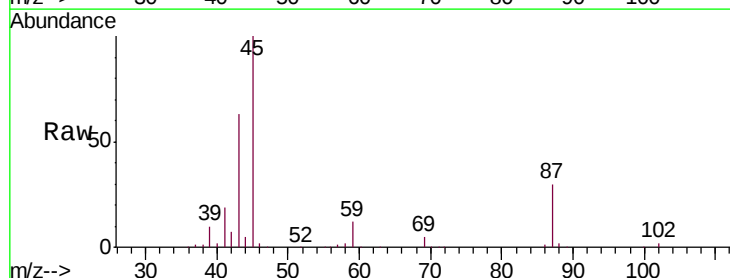
Ion Ratio Lower Upper

45 100

43 61.5 46.6 70.0

87 29.7 22.3 33.5

59 11.4 9.5 14.3

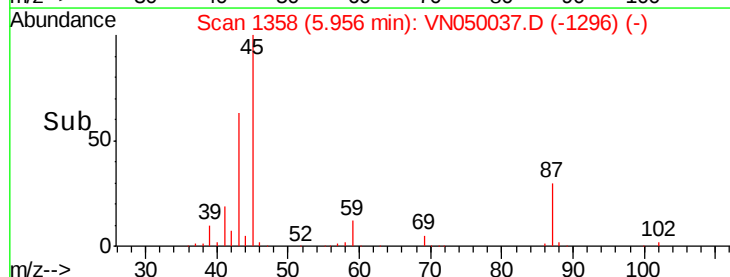
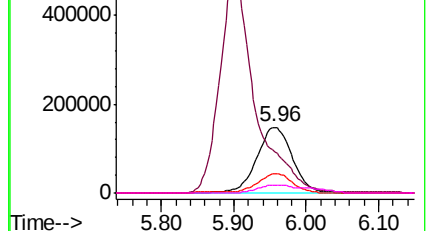


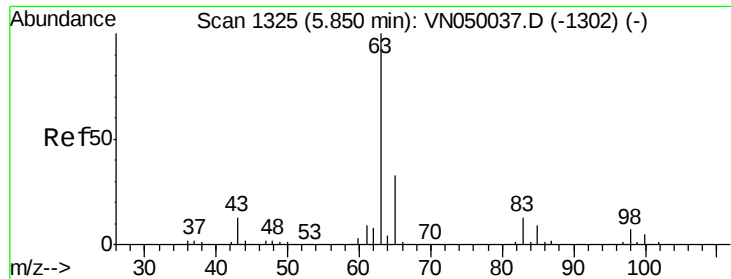
Abundance Ion 45.00 (44.70 to 45.70): VN050037.D (-1322) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-1322) (-)

Ion 87.00 (86.70 to 87.70): VN050037.D (-1322) (-)

Ion 59.00 (58.70 to 59.70): VN050037.D (-1322) (-)

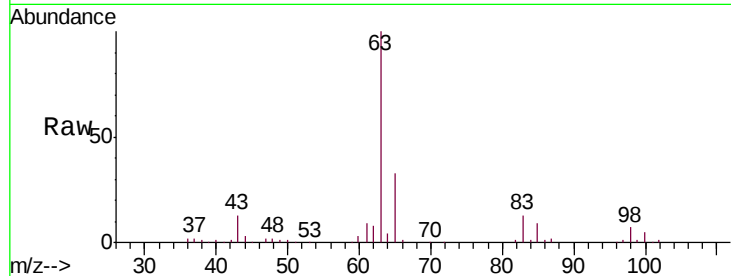




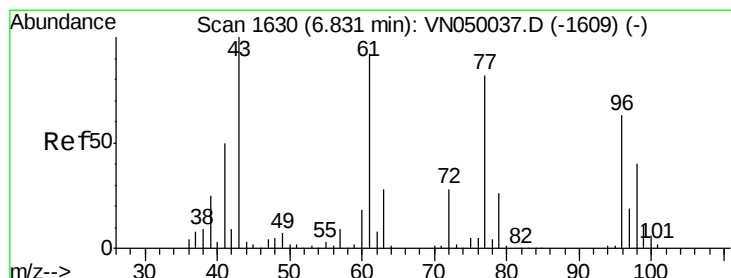
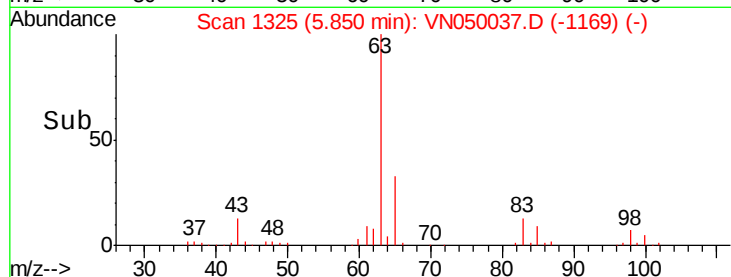
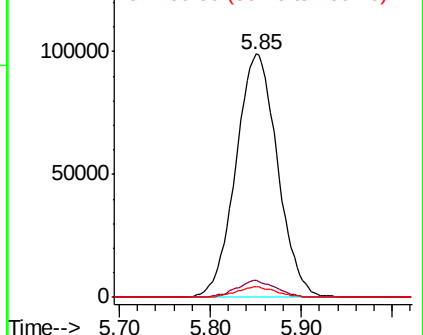
#21
 1,1-Dichloroethane
 Concen: 20.663 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 314921
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.6
 100 4.6 2.3 6.8

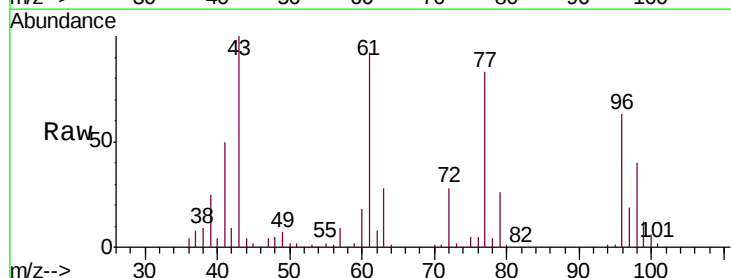


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

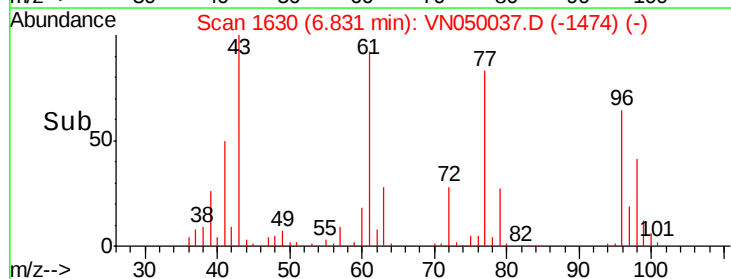
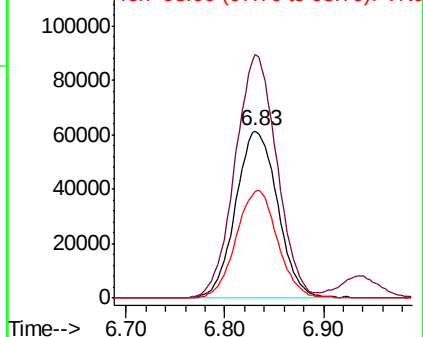


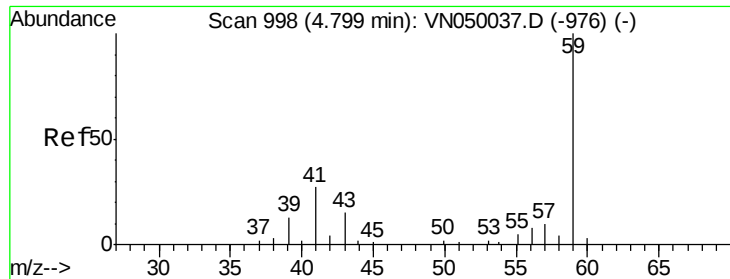
#22
 cis-1,2-Dichloroethene
 Concen: 20.361 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 96 Resp: 180955
 Ion Ratio Lower Upper
 96 100
 61 145.4 114.2 171.2
 98 63.6 51.7 77.5



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

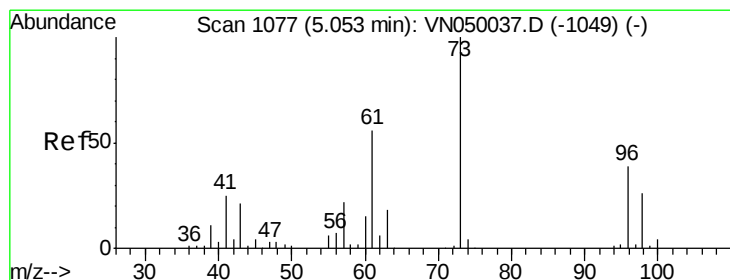
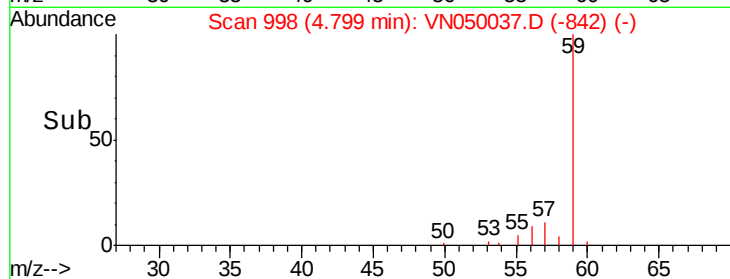
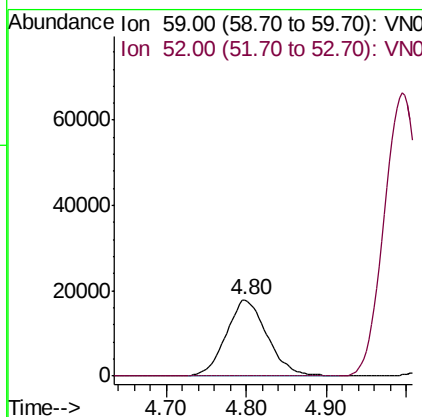
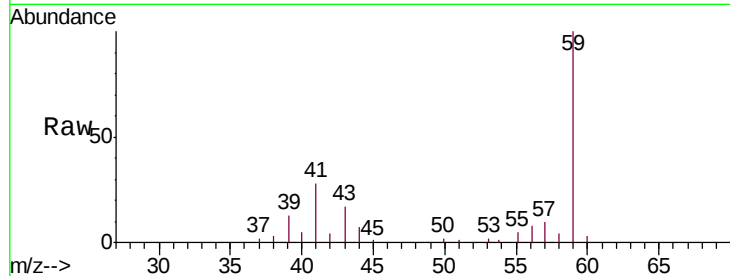




#23
 tert-Butyl Alcohol
 Concen: 98.160 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

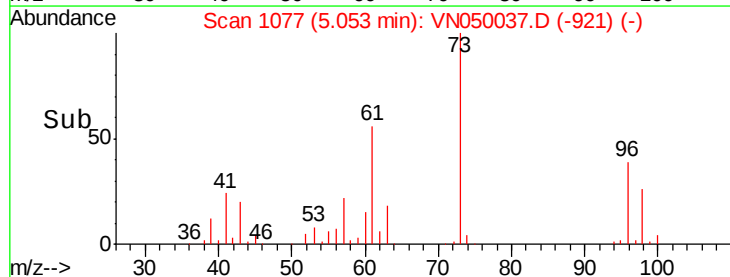
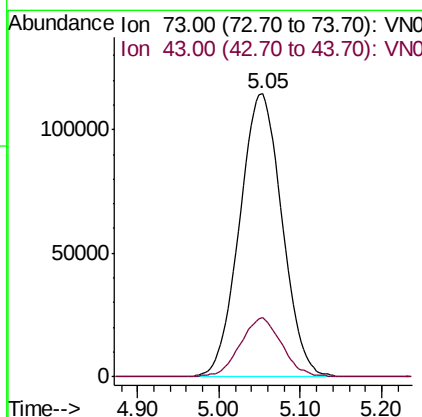
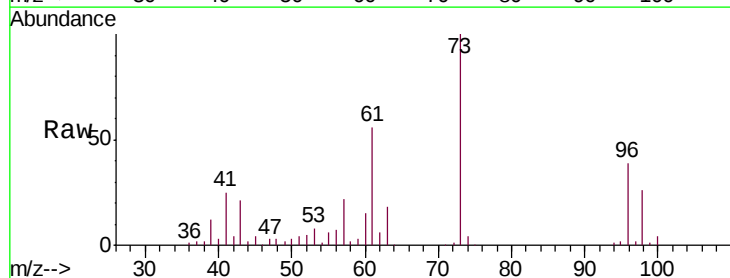
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

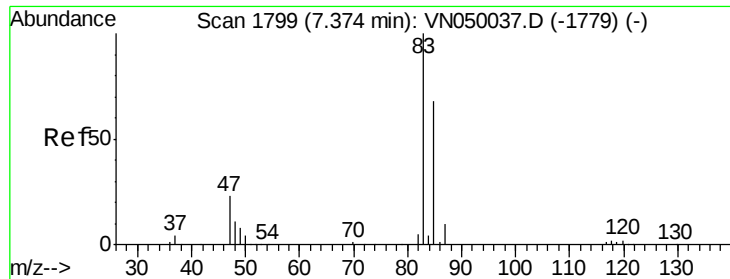
Tgt Ion: 59 Resp: 62787
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.258 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 73 Resp: 413539
 Ion Ratio Lower Upper
 73 100
 43 20.0 15.5 23.3

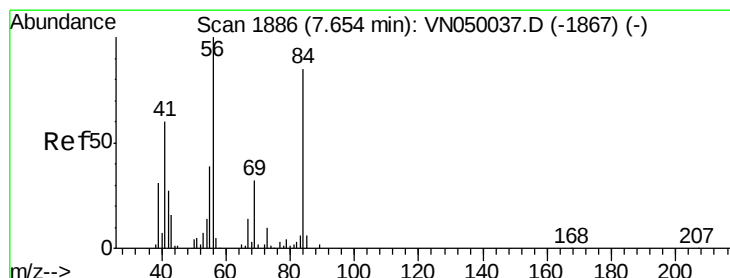
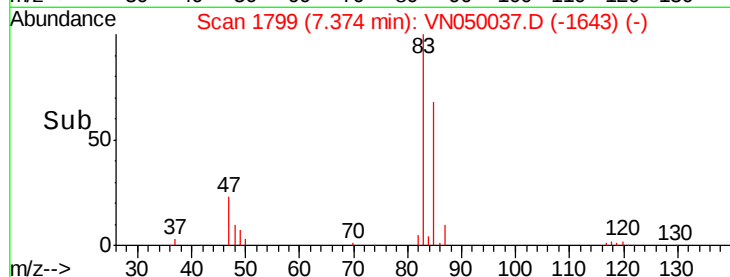
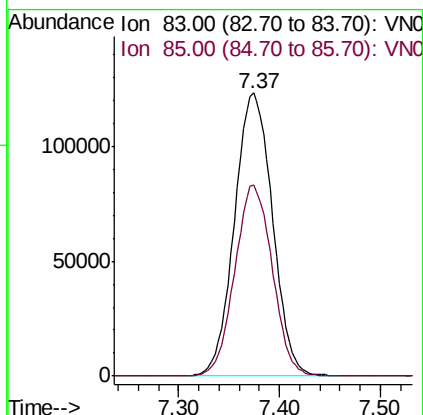
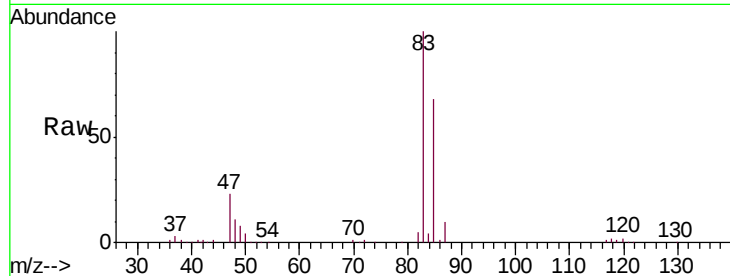




#25
Chloroform
Concen: 20.879 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

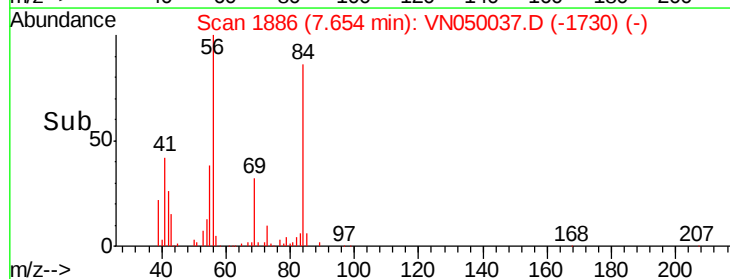
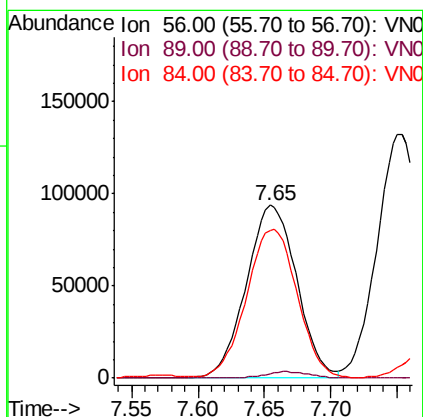
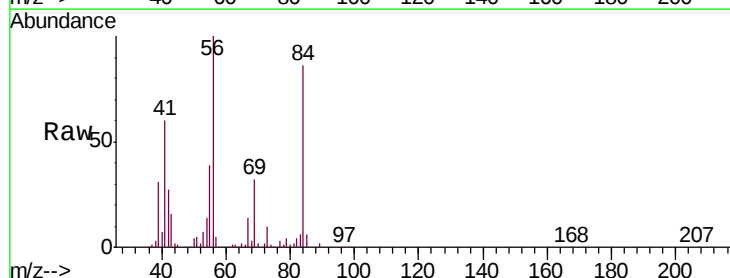
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

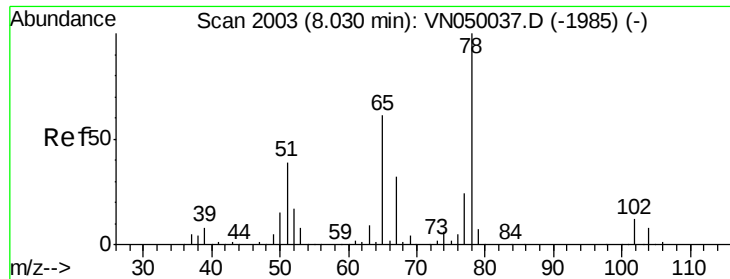
Tgt Ion: 83 Resp: 322129
Ion Ratio Lower Upper
83 100
85 67.6 52.1 78.1



#26
Cyclohexane
Concen: 20.494 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 56 Resp: 248212
Ion Ratio Lower Upper
56 100
89 3.2 3.0 4.4
84 87.1 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.482 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

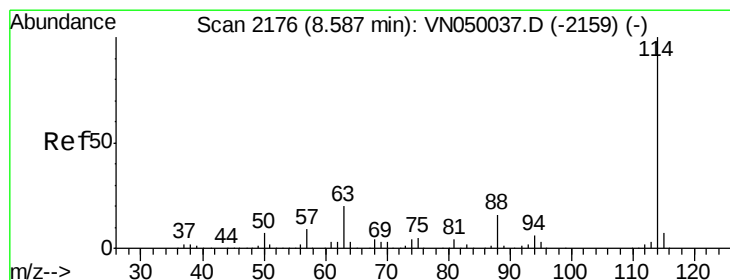
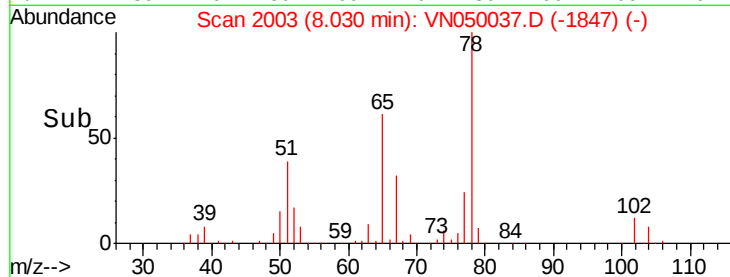
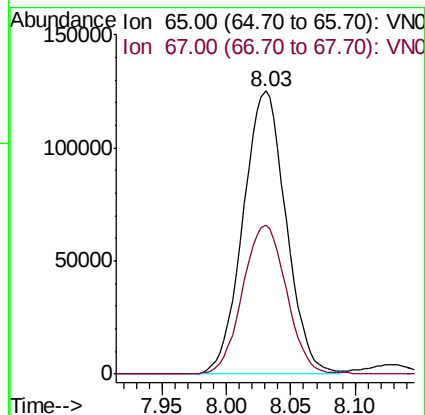
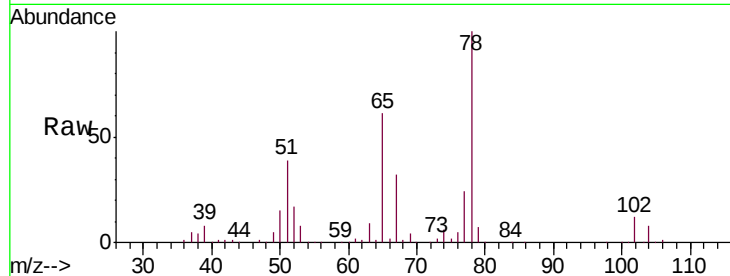
VSTDICCC020

Tgt Ion: 65 Resp: 290889

Ion Ratio Lower Upper

65 100

67 53.6 42.7 64.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

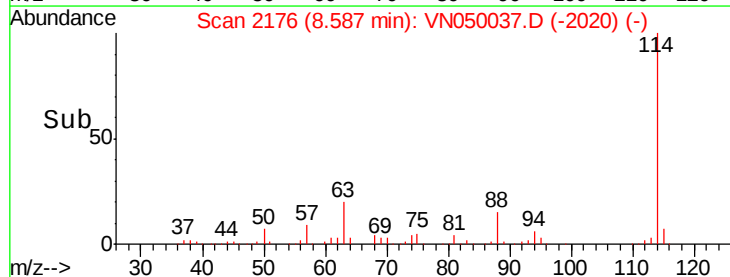
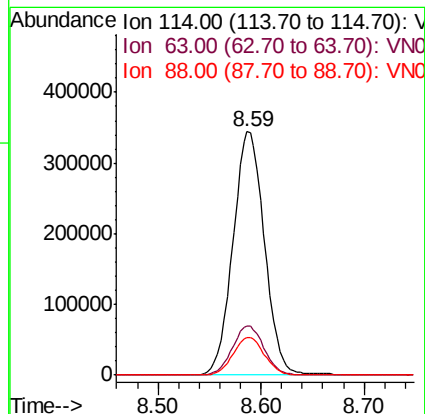
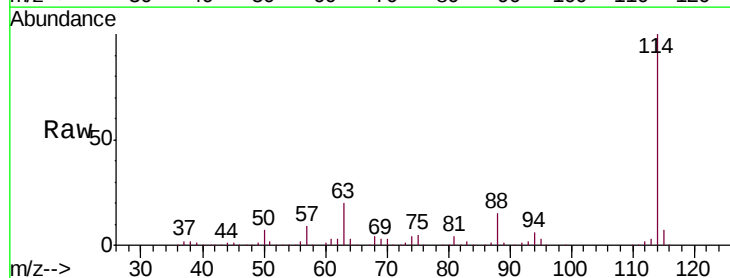
Tgt Ion: 114 Resp: 731151

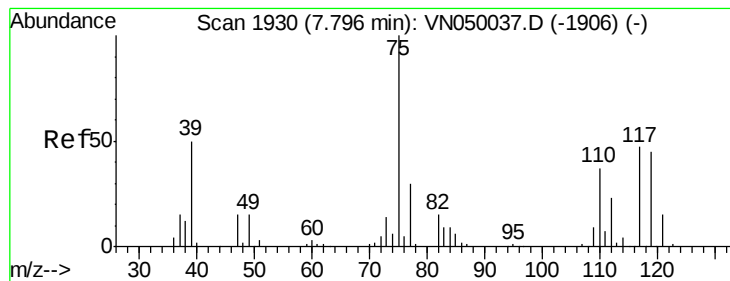
Ion Ratio Lower Upper

114 100

63 20.3 16.2 24.2

88 15.5 12.3 18.5





#29

1,1-Dichloropropene

Concen: 20.974 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

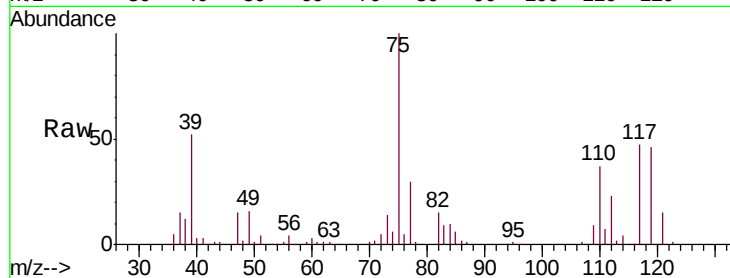
Tgt Ion: 75 Resp: 237995

Ion Ratio Lower Upper

75 100

110 36.8 0.0 73.2

77 30.5 0.0 62.0

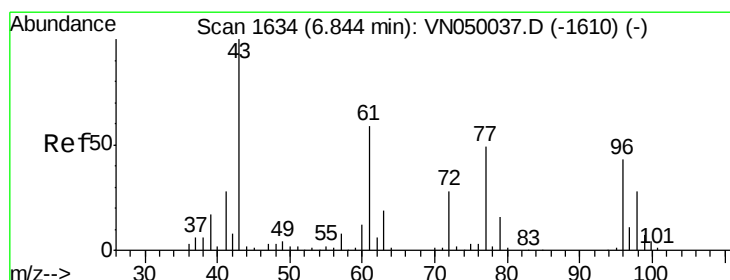
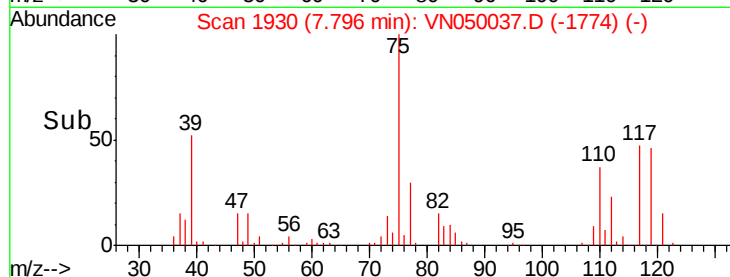


Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-1906) (-)

Ion 110.00 (109.70 to 110.70): VN050037.D (-1906) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-1906) (-)

Time-->



#30

2-Butanone

Concen: 98.671 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

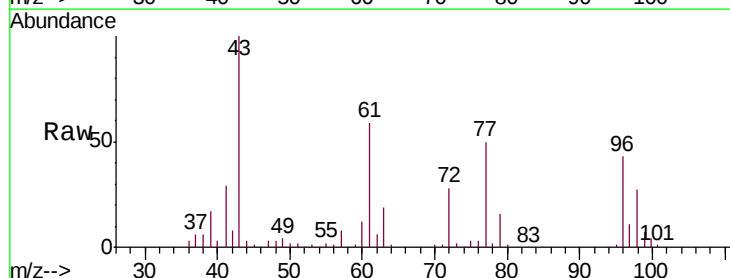
Tgt Ion: 43 Resp: 351332

Ion Ratio Lower Upper

43 100

57 8.3 6.8 10.2

72 27.6 21.4 32.0

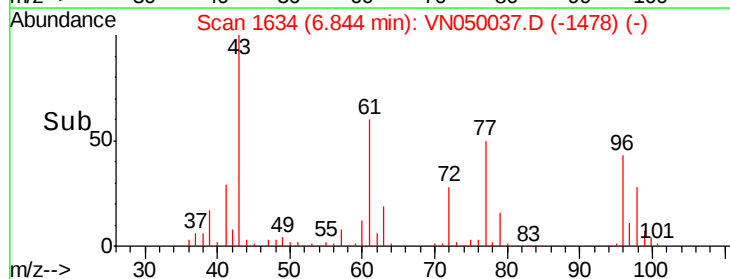


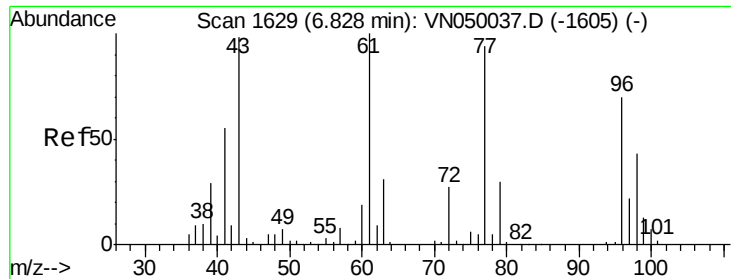
Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1610) (-)

Ion 57.00 (56.70 to 57.70): VN050037.D (-1610) (-)

Ion 72.00 (71.70 to 72.70): VN050037.D (-1610) (-)

Time-->

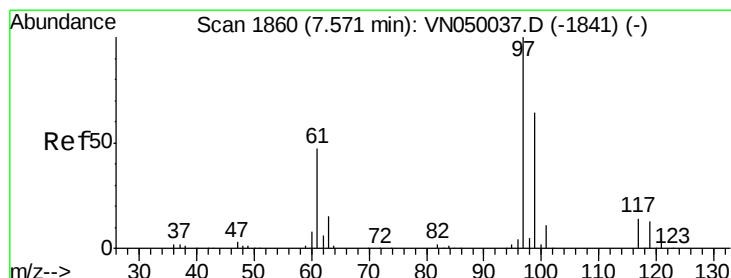
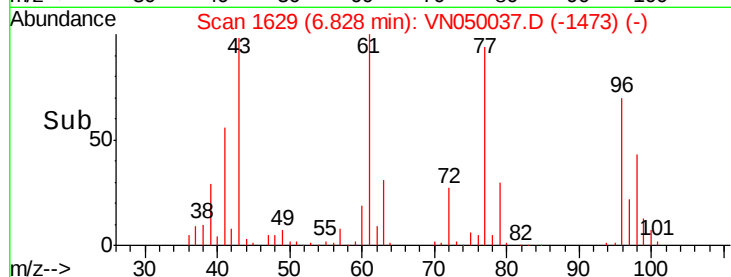
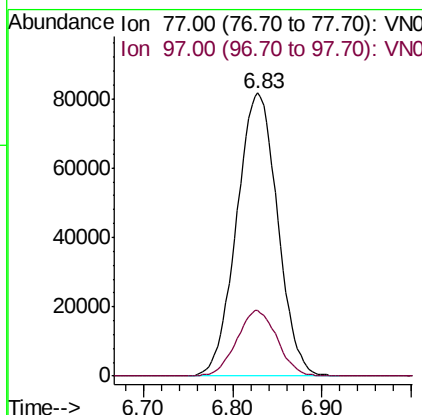
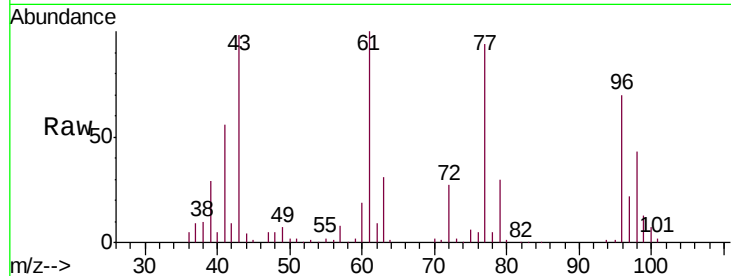




#31
 2,2-Dichloropropane
 Concen: 20.712 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

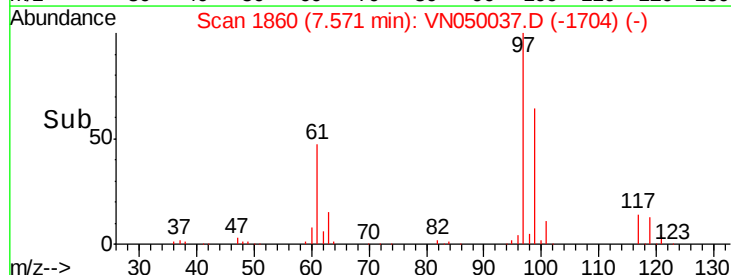
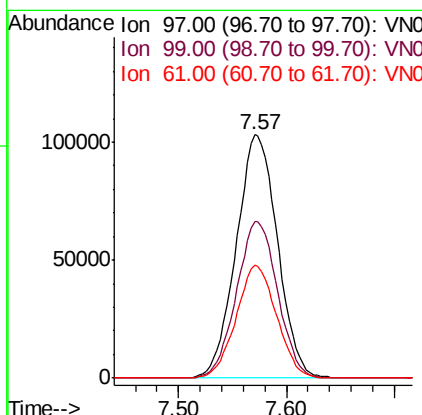
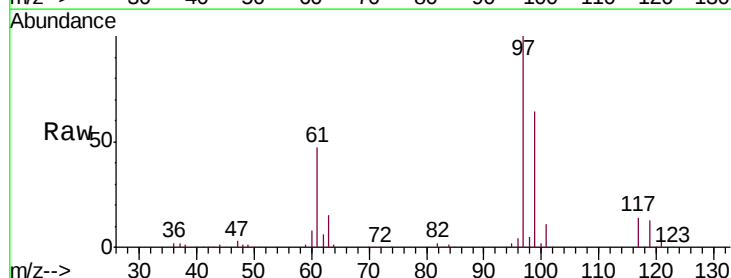
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

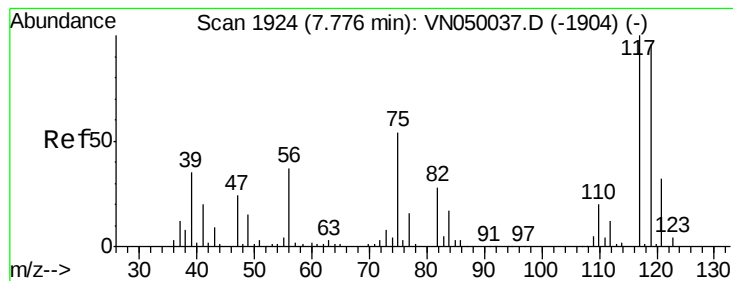
Tgt Ion: 77 Resp: 259781
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 20.584 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 97 Resp: 274916
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 45.4 35.3 52.9





#33

Carbon Tetrachloride

Concen: 20.401 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

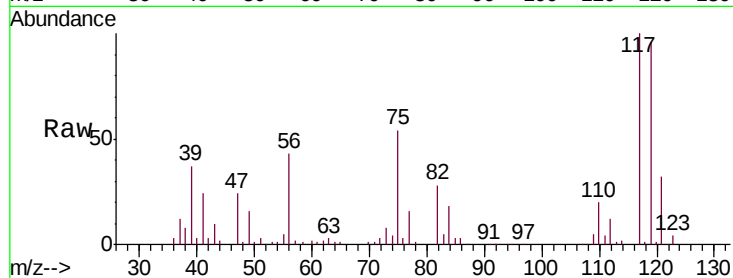
Tgt Ion: 117 Resp: 242882

Ion Ratio Lower Upper

117 100

119 96.1 76.9 115.3

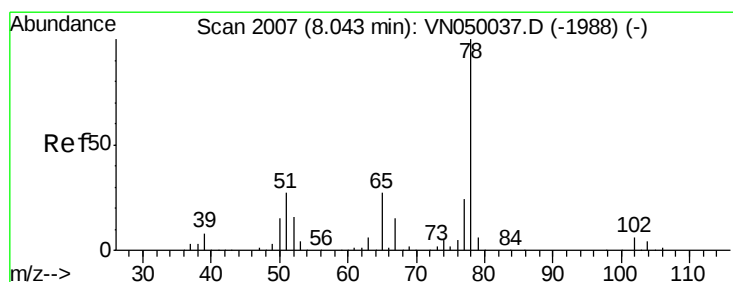
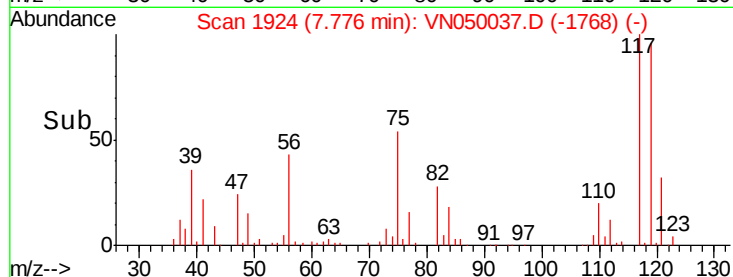
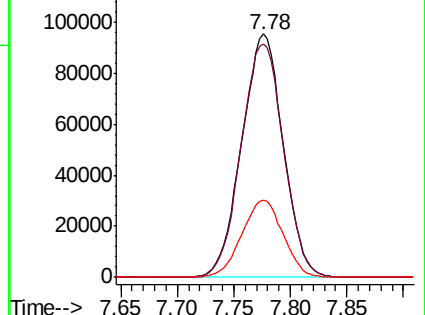
121 31.8 24.4 36.6



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: 20.650 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

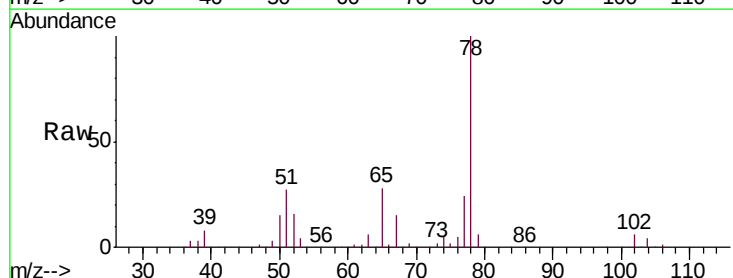
Tgt Ion: 78 Resp: 711596

Ion Ratio Lower Upper

78 100

77 24.5 19.1 28.7

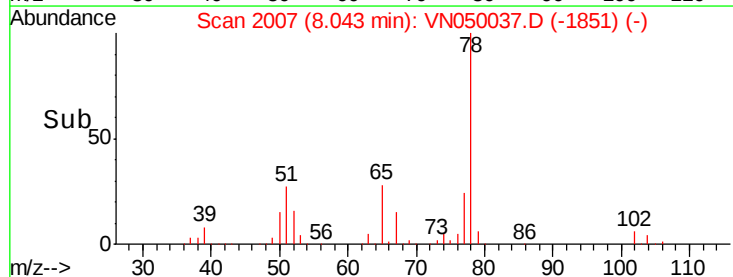
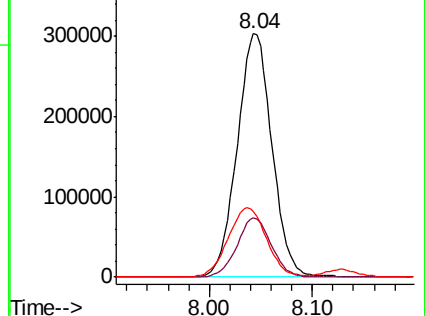
51 26.7 21.0 31.4

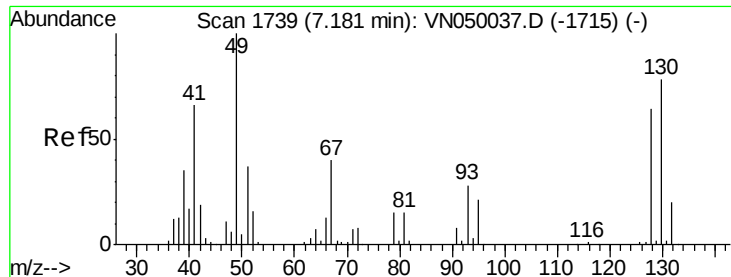


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

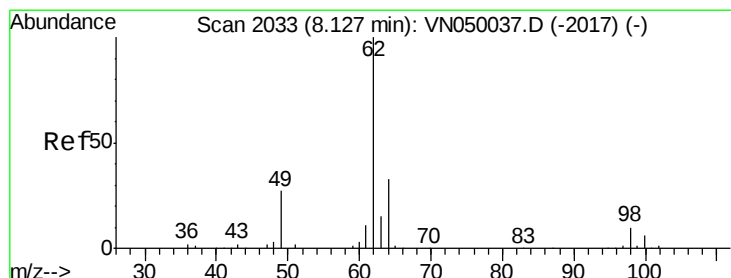
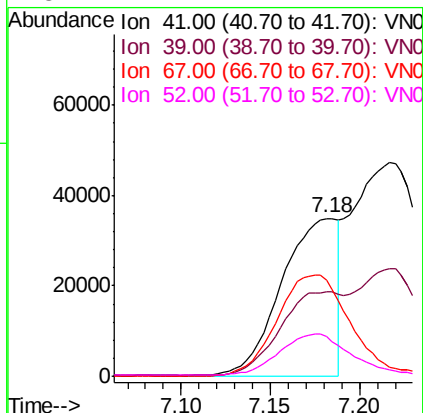
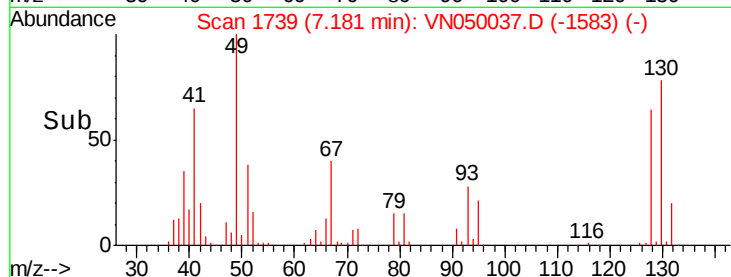
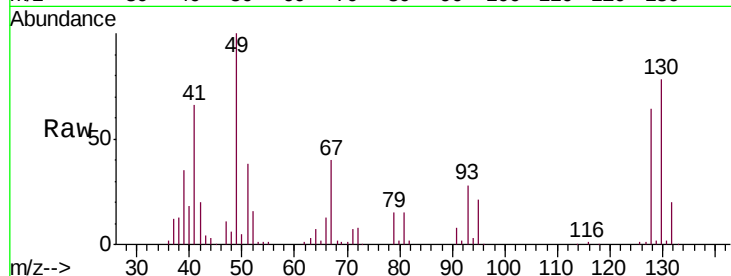




#35
Methacrylonitrile
Concen: 18.910 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

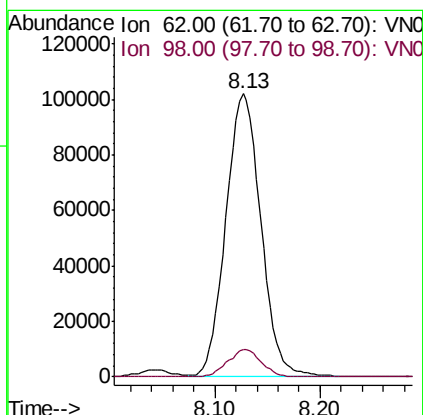
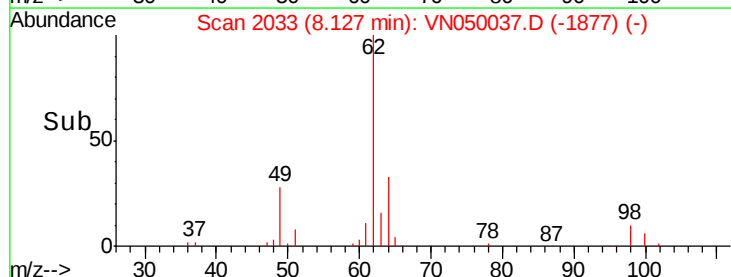
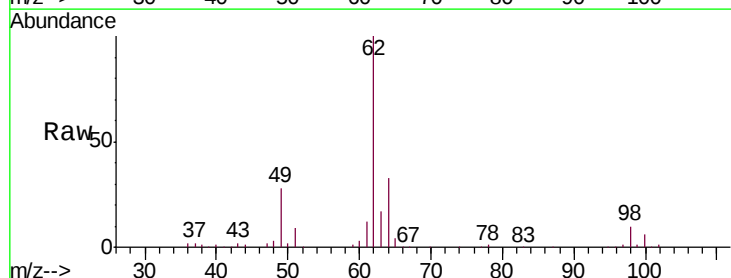
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

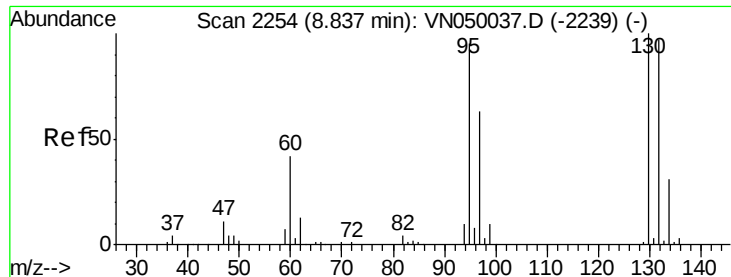
Tgt Ion: 41 Resp: 76665
Ion Ratio Lower Upper
41 100
39 52.9 27.6 82.7
67 60.8 35.1 105.5
52 24.4 14.1 42.4



#36
1,2-Dichloroethane
Concen: 20.619 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 62 Resp: 233294
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

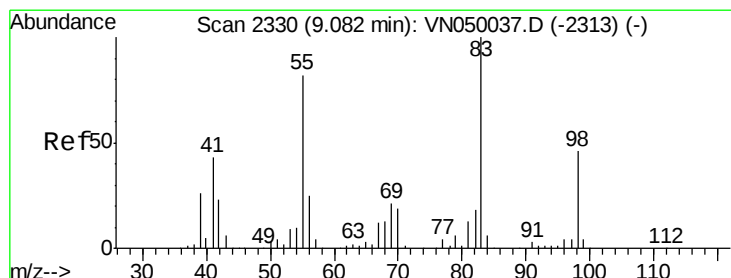
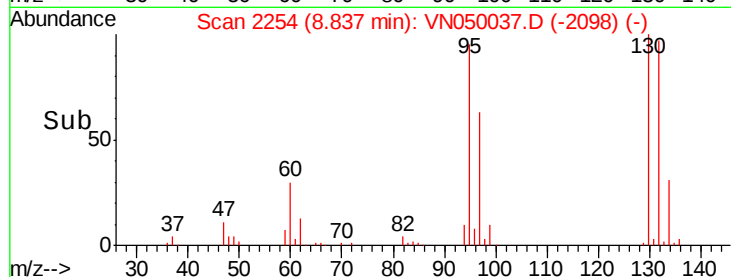
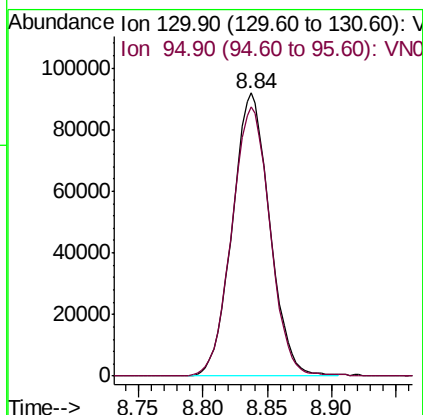
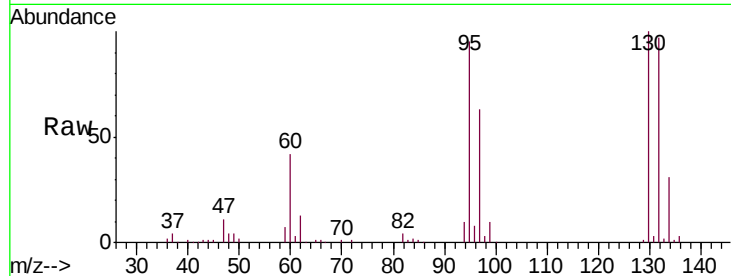




#37
 Trichloroethene
 Concen: 20.481 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

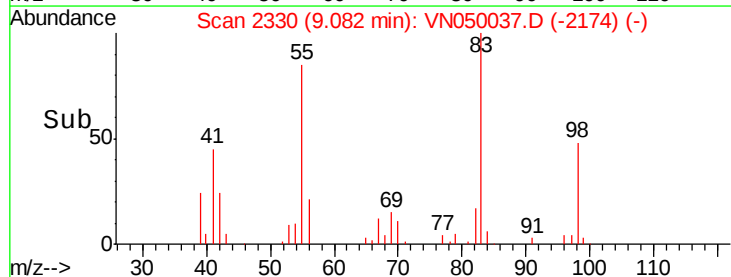
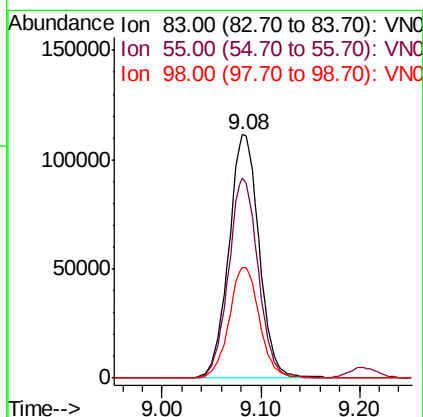
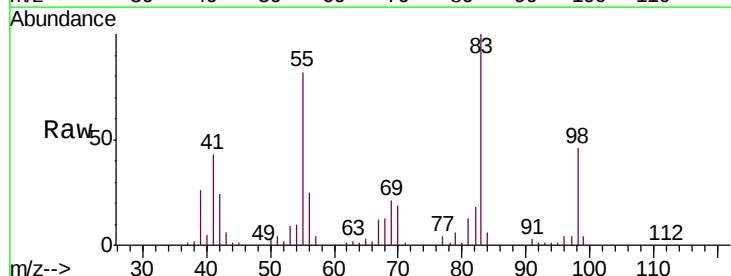
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

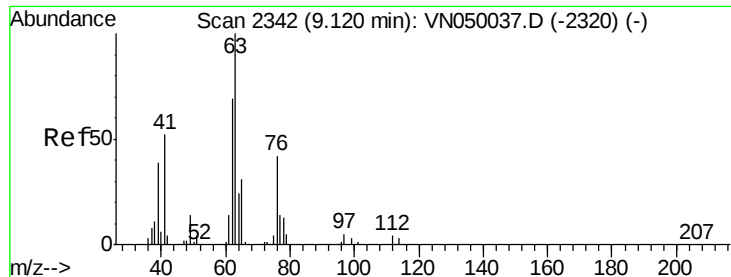
Tgt Ion: 130 Resp: 185108
 Ion Ratio Lower Upper
 130 100
 95 94.9 79.7 119.5



#38
 Methylcyclohexane
 Concen: 19.947 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 83 Resp: 238605
 Ion Ratio Lower Upper
 83 100
 55 80.3 39.3 117.8
 98 45.4 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.601 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

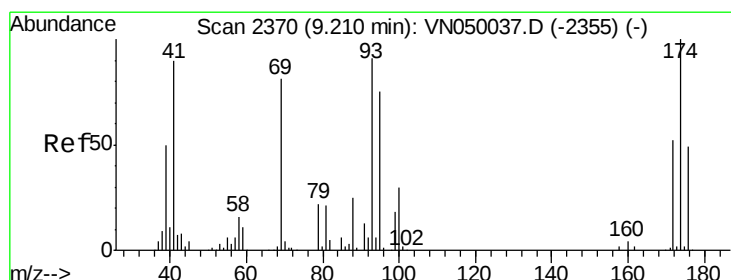
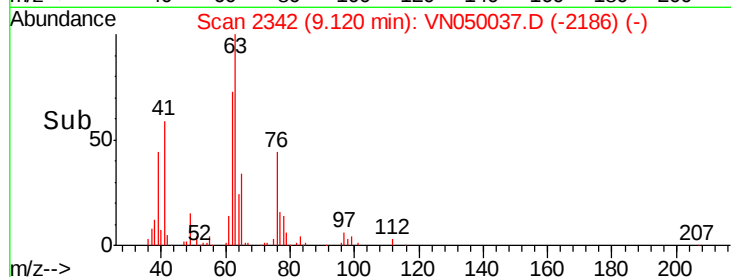
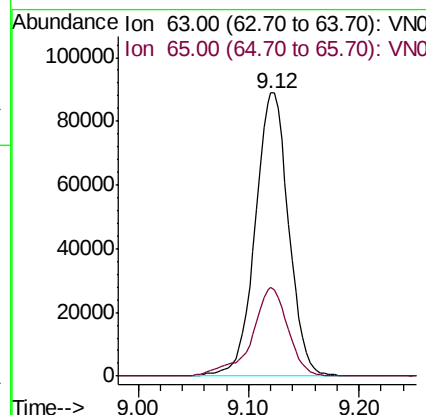
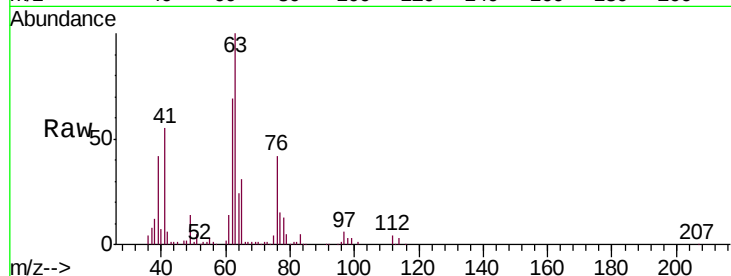
VSTDICCC020

Tgt Ion: 63 Resp: 187009

Ion Ratio Lower Upper

63 100

65 31.2 24.2 36.2



#40

Dibromomethane

Concen: 20.265 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

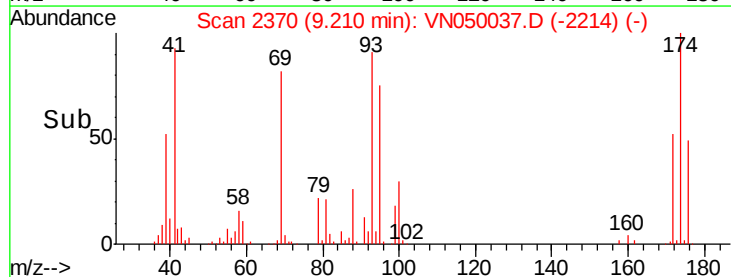
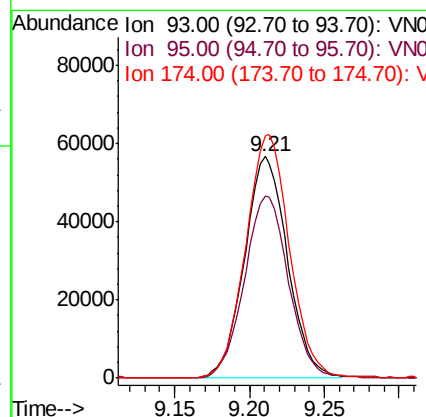
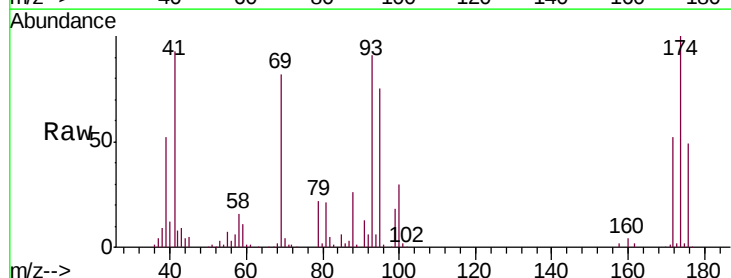
Tgt Ion: 93 Resp: 113700

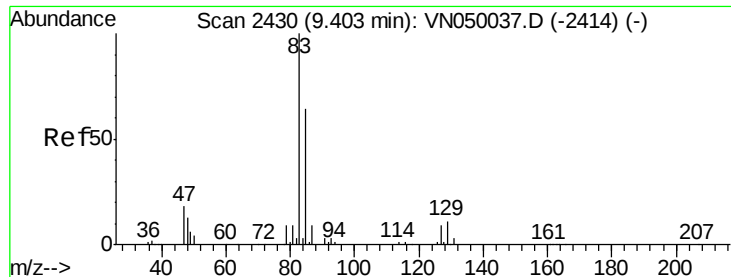
Ion Ratio Lower Upper

93 100

95 84.2 0.0 165.6

174 112.0 0.0 223.2





#41

Bromodichloromethane

Concen: 20.339 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

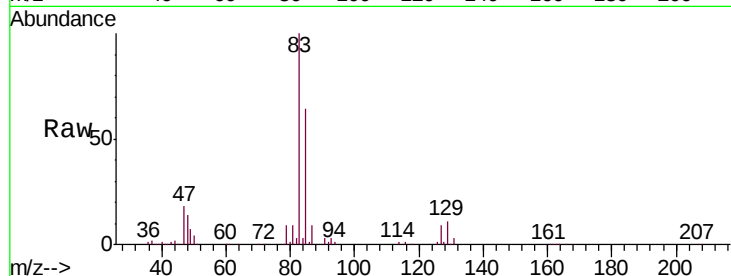
Tgt Ion: 83 Resp: 240710

Ion Ratio Lower Upper

83 100

85 64.4 52.6 78.8

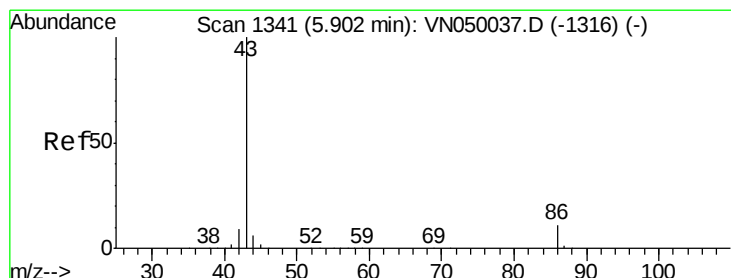
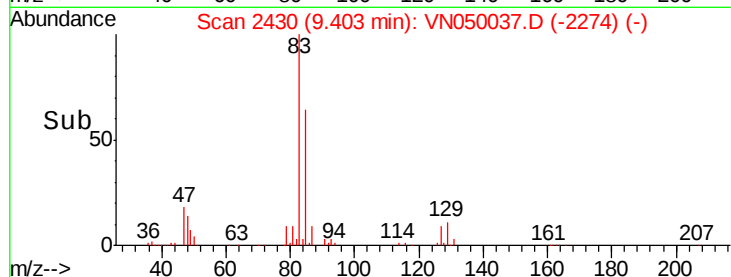
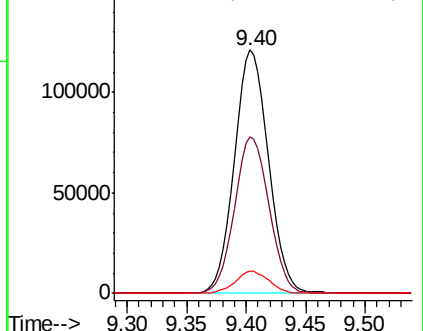
127 9.0 7.0 10.4



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: 99.225 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050037.D

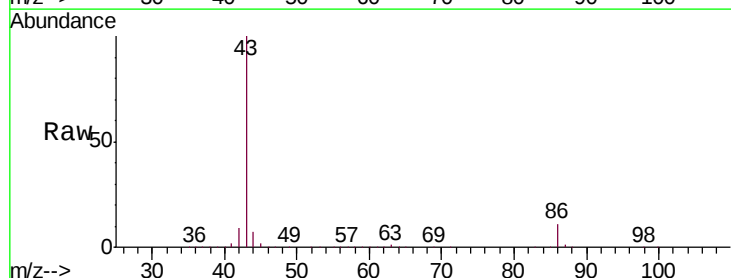
Acq: 25 Jul 2018 8:56

Tgt Ion: 43 Resp: 1662566

Ion Ratio Lower Upper

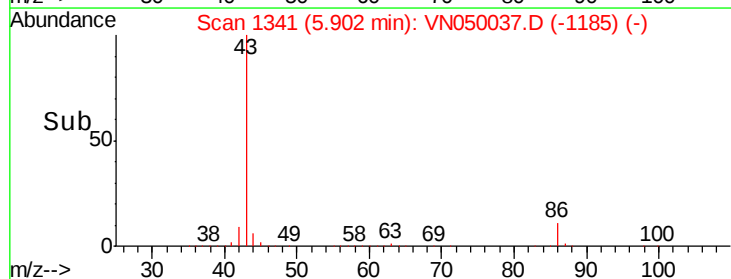
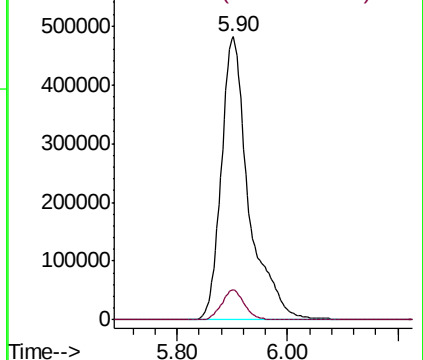
43 100

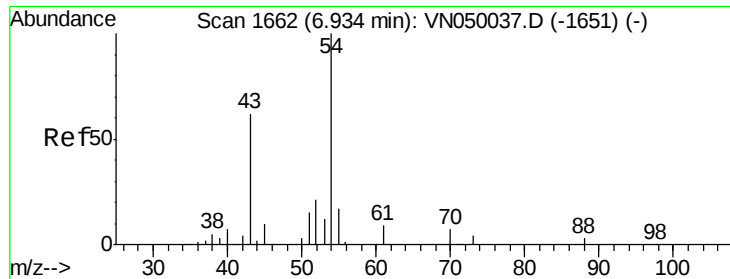
86 8.9 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

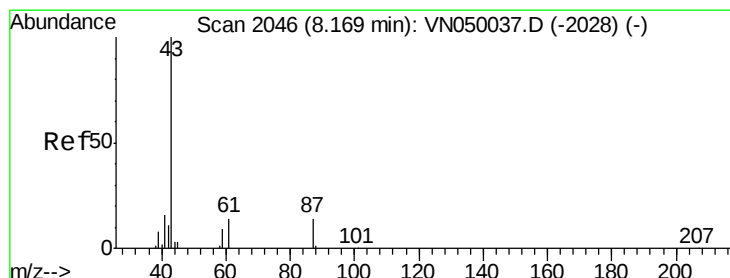
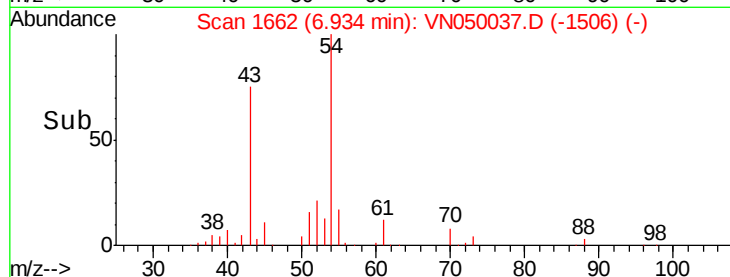
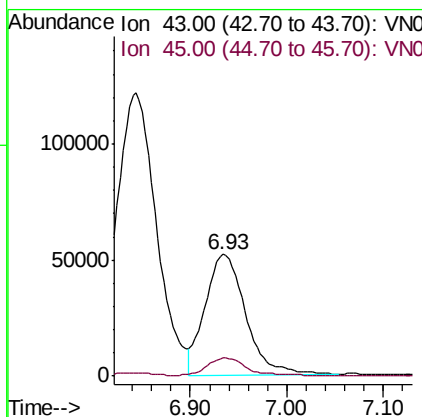
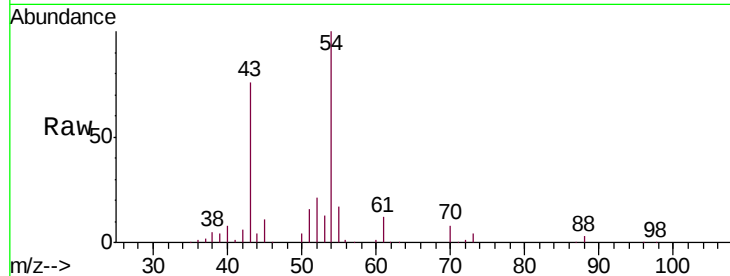




#43
Ethyl Acetate
Concen: 20.388 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

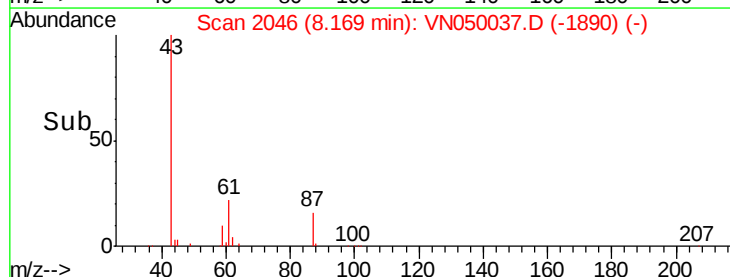
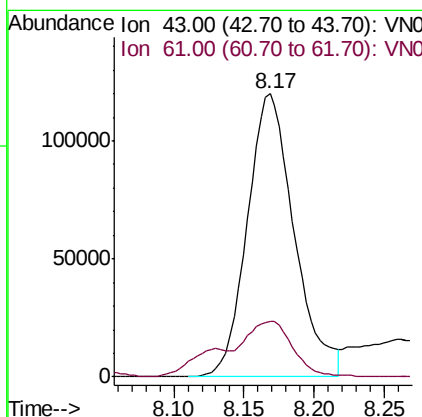
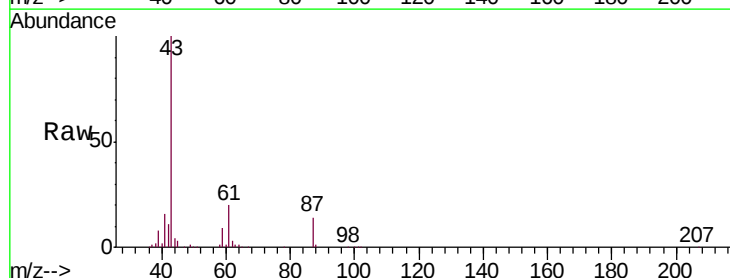
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

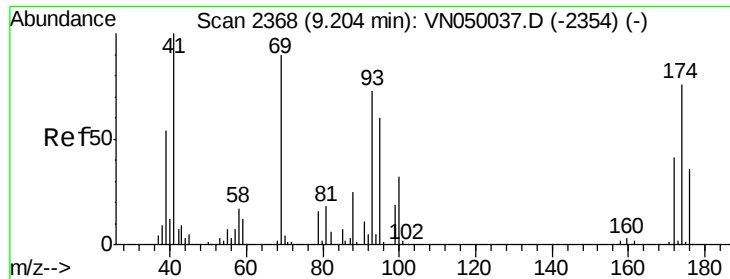
Tgt Ion: 43 Resp: 151586
Ion Ratio Lower Upper
43 100
45 13.4 13.0 19.6



#44
Isopropyl Acetate
Concen: 20.139 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 43 Resp: 277386
Ion Ratio Lower Upper
43 100
61 19.2 16.4 24.6

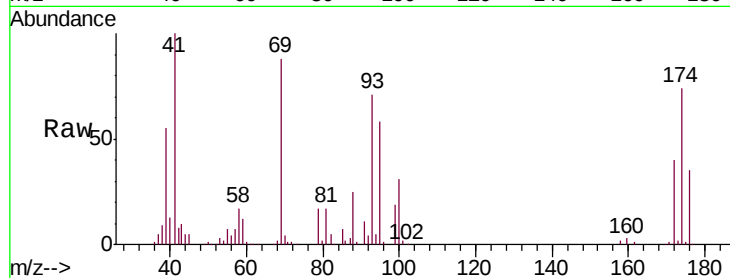




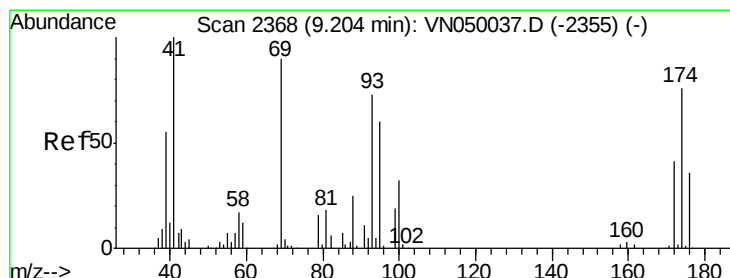
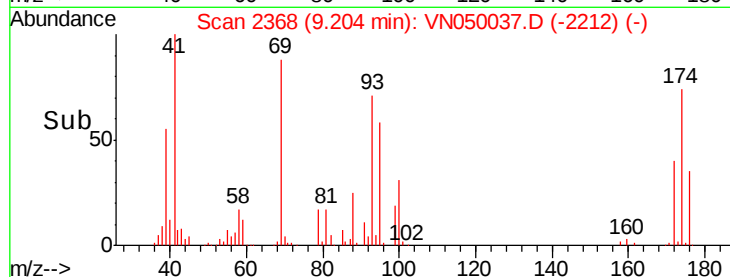
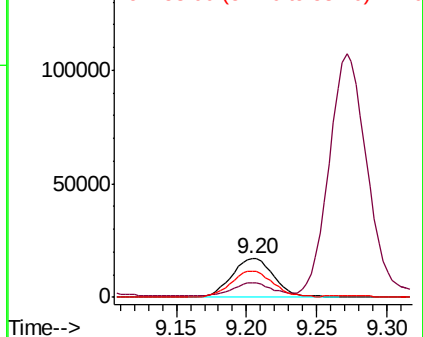
#45
 1,4-Dioxane
 Concen: 400.200 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 88 Resp: 36272
 Ion Ratio Lower Upper
 88 100
 43 33.1 26.9 40.3
 58 67.2 53.6 80.4

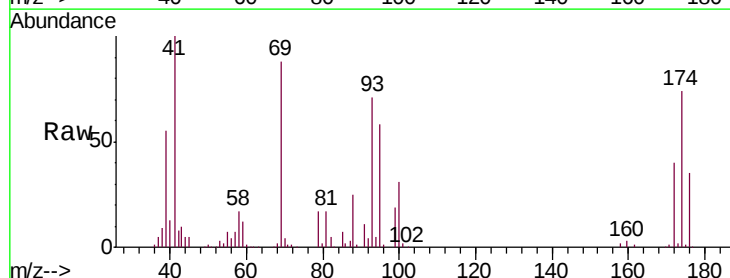


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

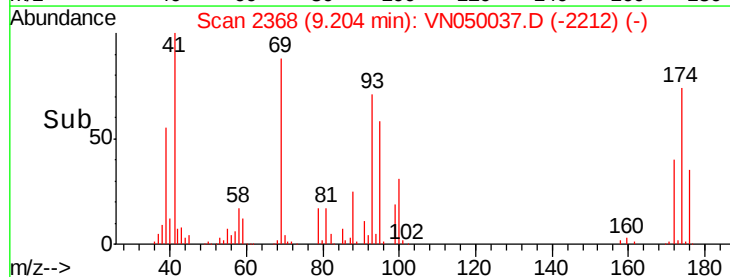
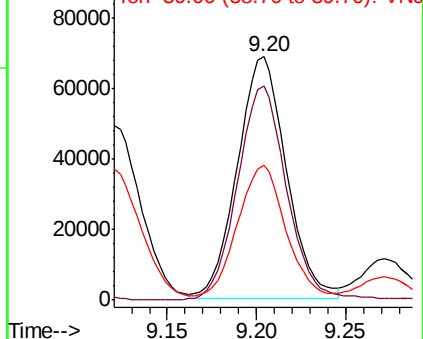


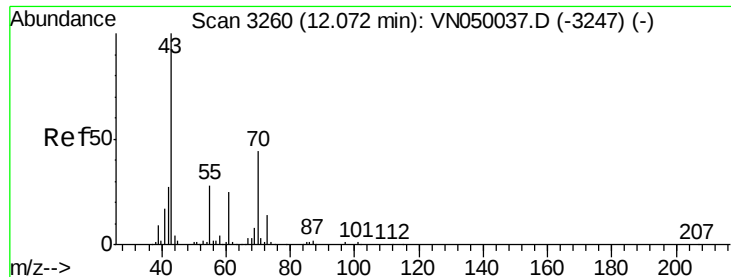
#46
 Methyl methacrylate
 Concen: 19.771 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 41 Resp: 132012
 Ion Ratio Lower Upper
 41 100
 69 89.5 44.0 132.1
 39 54.7 27.0 80.8



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

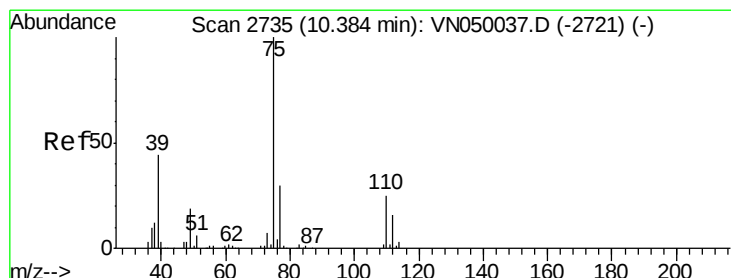
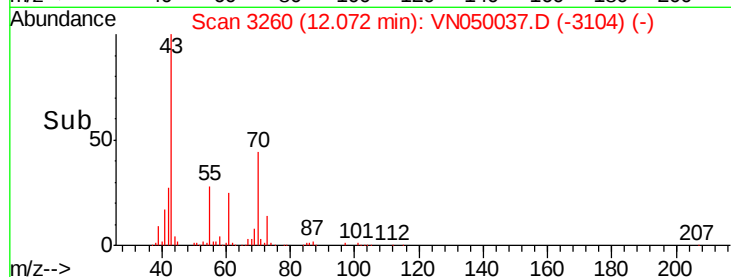
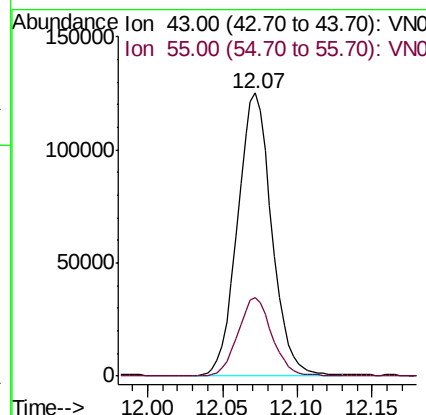
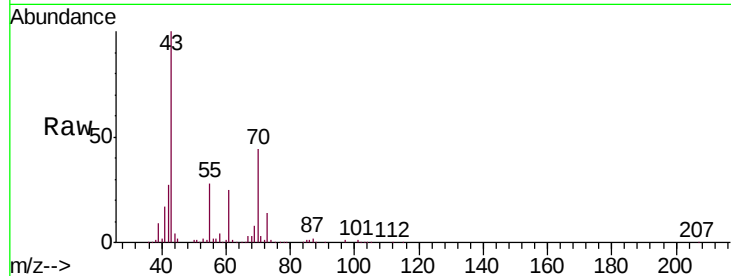




#47
n-amyl Acetate
Concen: 18.436 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

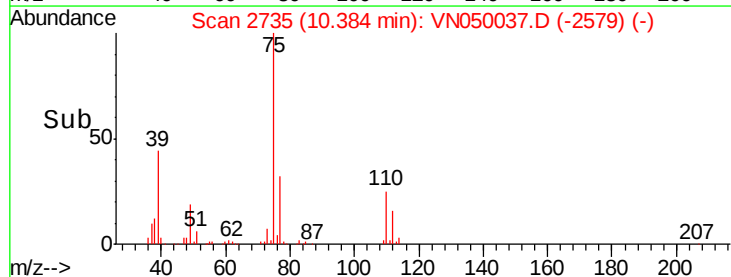
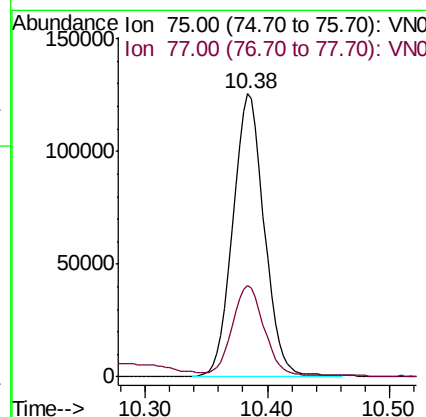
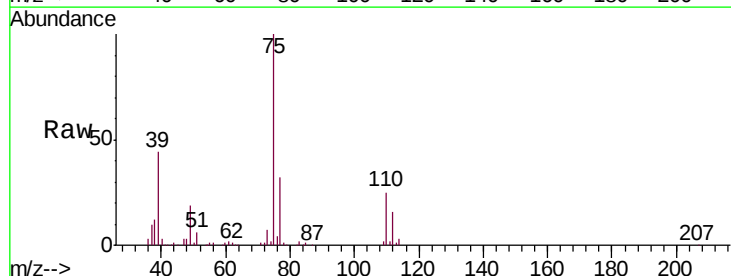
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

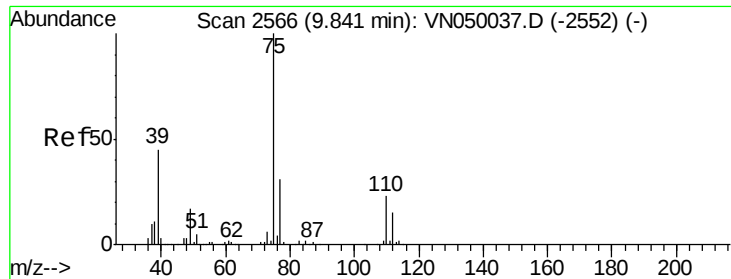
Tgt Ion: 43 Resp: 197586
Ion Ratio Lower Upper
43 100
55 28.0 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 19.293 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 75 Resp: 226371
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0

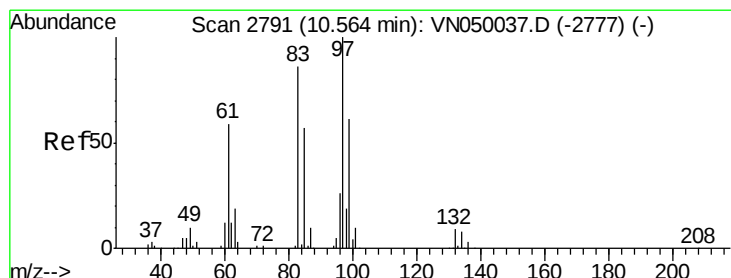
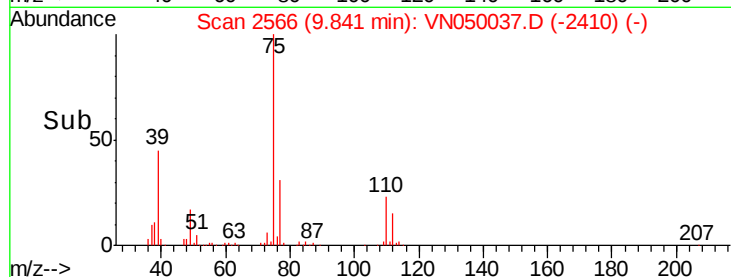
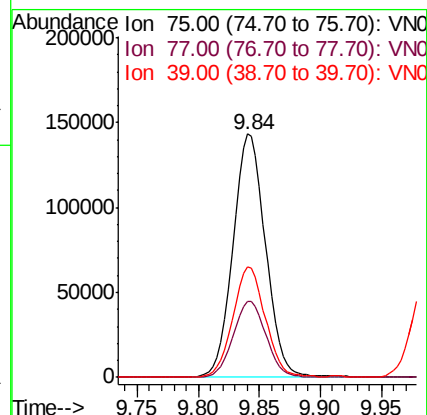
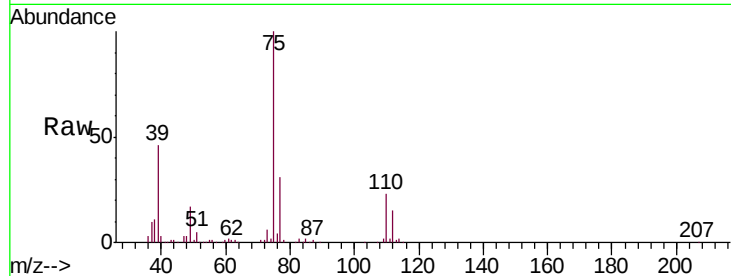




#49
 cis-1,3-Dichloropropene
 Concen: 20.072 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

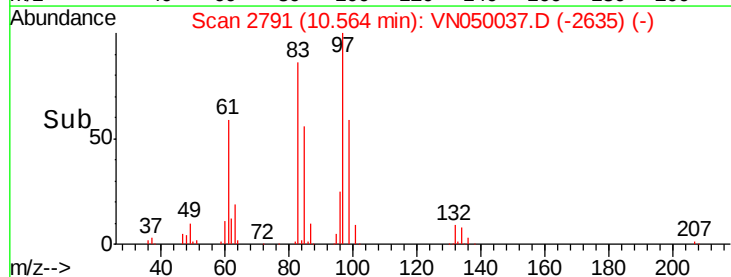
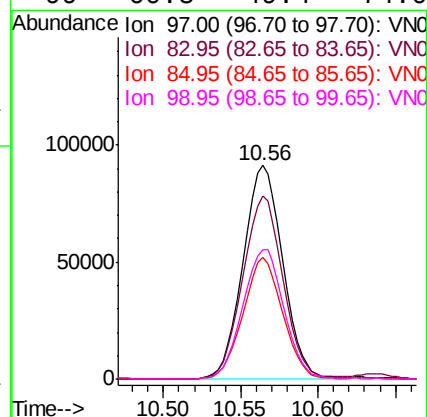
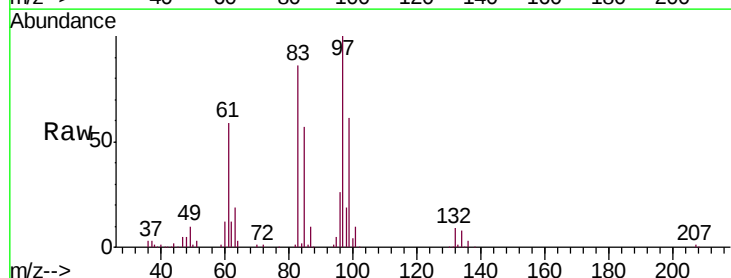
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

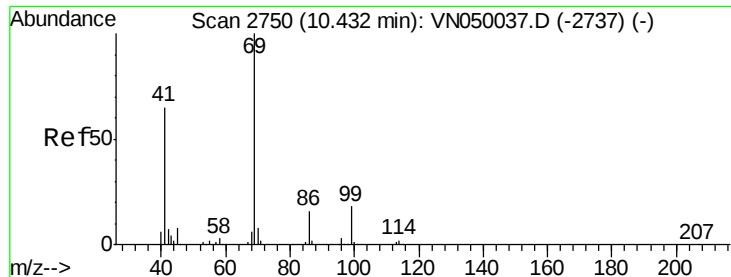
Tgt Ion: 75 Resp: 266043
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.7 38.5
 39 45.4 36.3 54.5



#50
 1,1,2-Trichloroethane
 Concen: 20.277 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 97 Resp: 163295
 Ion Ratio Lower Upper
 97 100
 83 85.7 68.1 102.1
 85 56.8 45.4 68.2
 99 60.8 49.4 74.0





#51

Ethyl methacrylate

Concen: 18.613 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

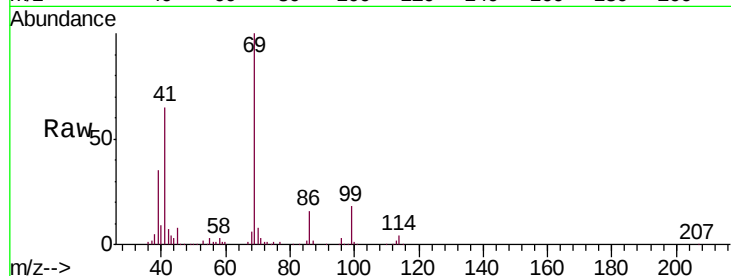
Tgt Ion: 69 Resp: 181938

Ion Ratio Lower Upper

69 100

41 64.6 31.9 95.9

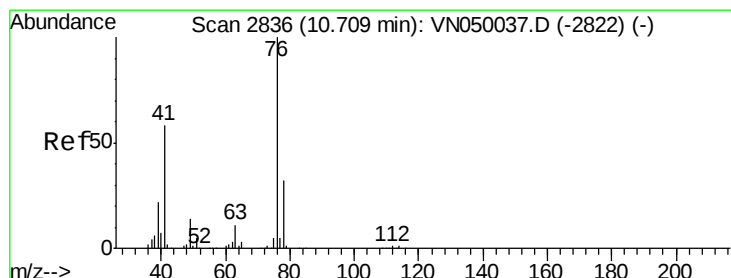
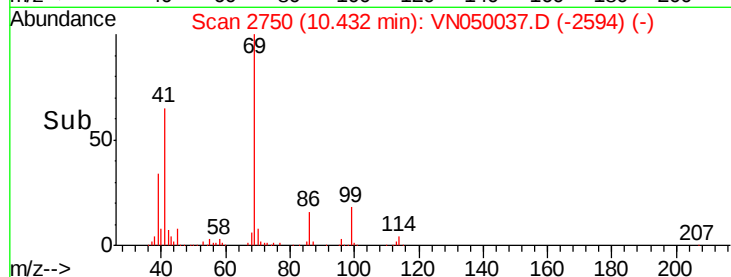
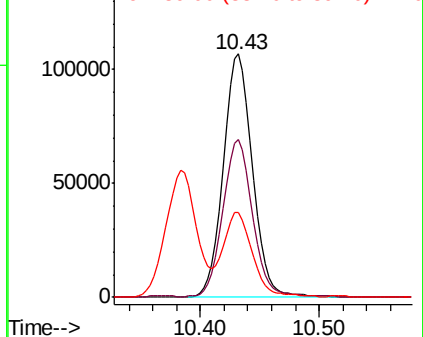
39 34.3 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.283 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050037.D

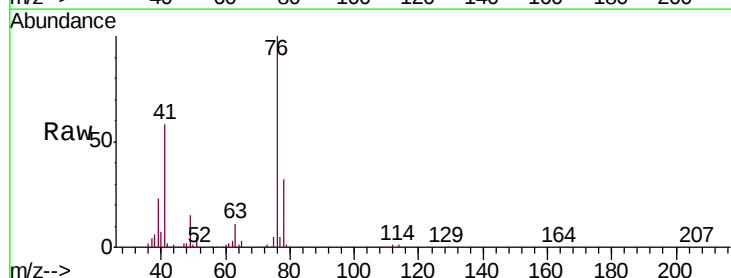
Acq: 25 Jul 2018 8:56

Tgt Ion: 76 Resp: 268236

Ion Ratio Lower Upper

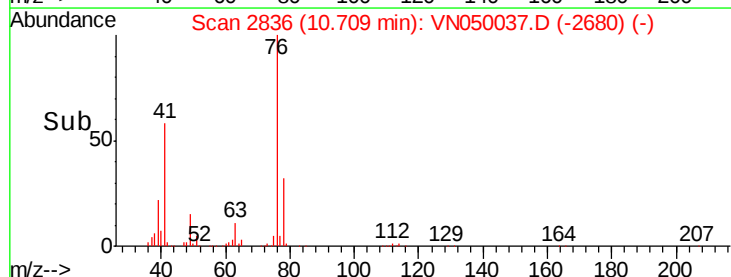
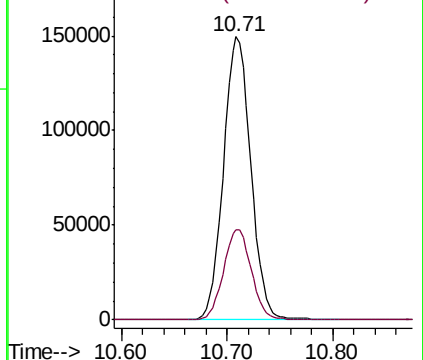
76 100

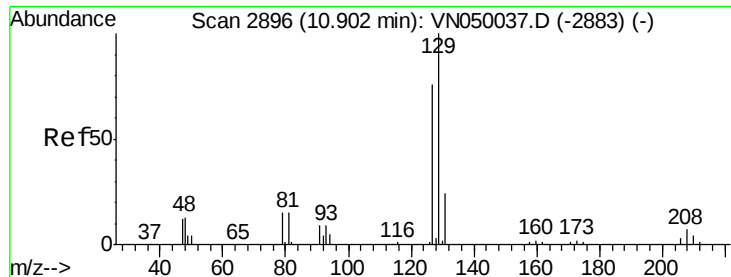
78 32.3 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

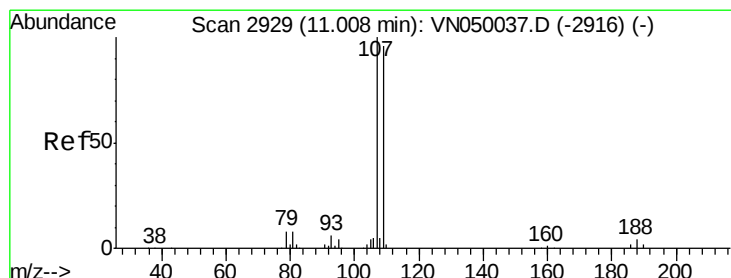
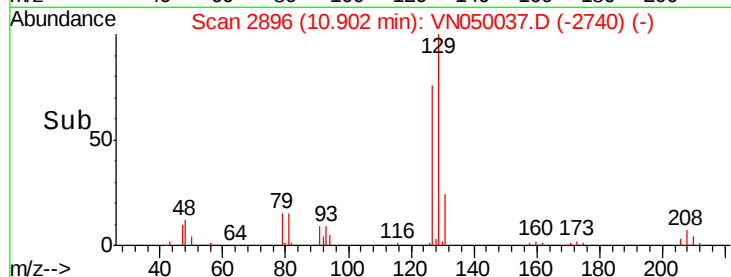
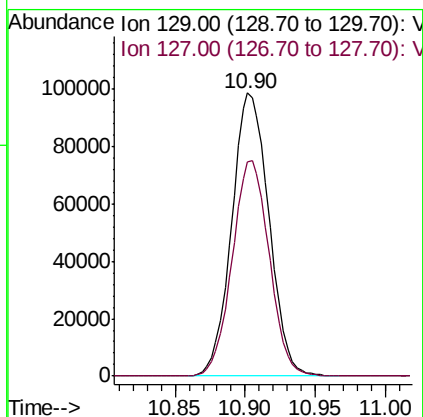
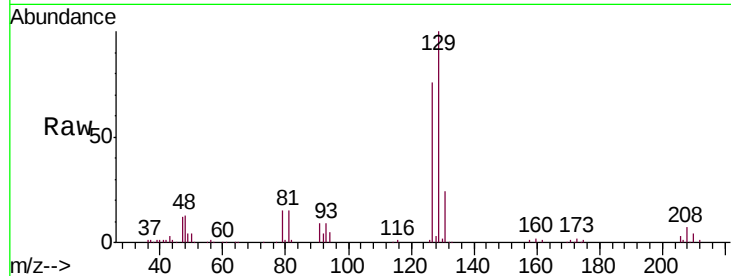




#53
 Dibromochloromethane
 Concen: 19.976 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

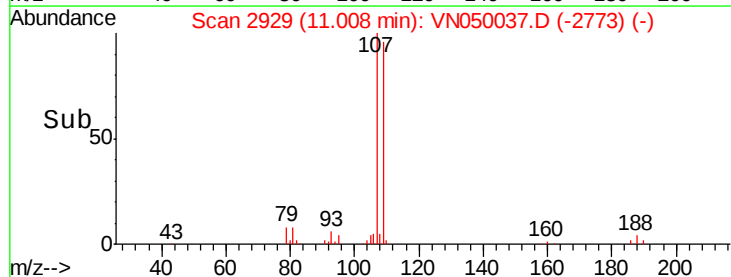
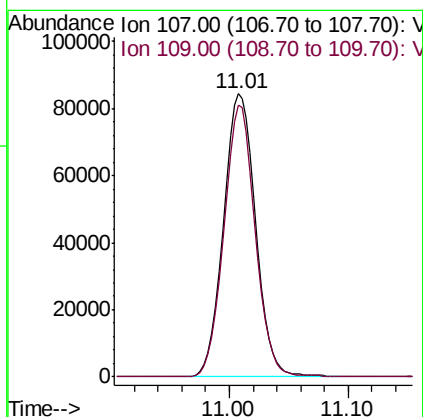
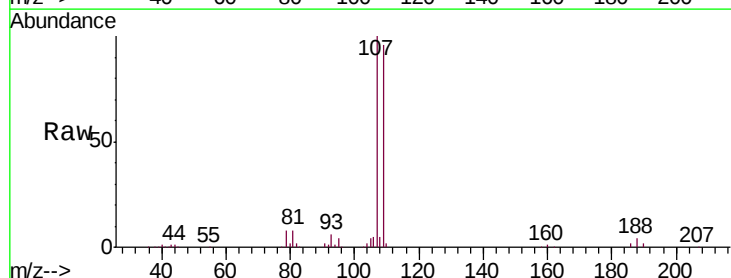
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

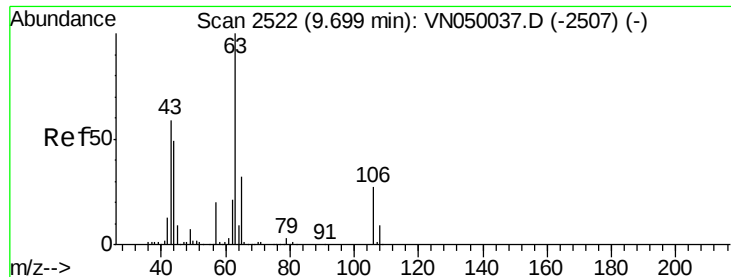
Tgt Ion:129 Resp: 182574
 Ion Ratio Lower Upper
 129 100
 127 75.7 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 19.944 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion:107 Resp: 157302
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.2 114.2

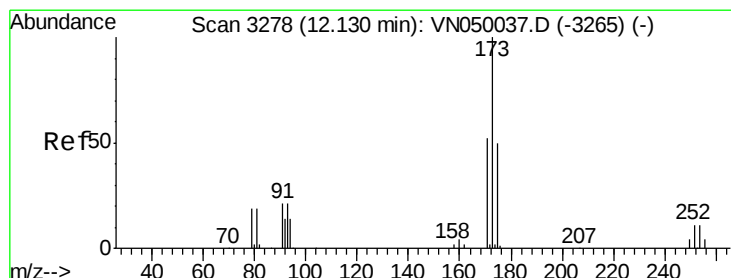
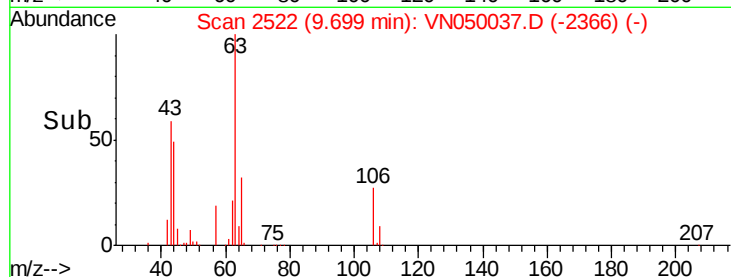
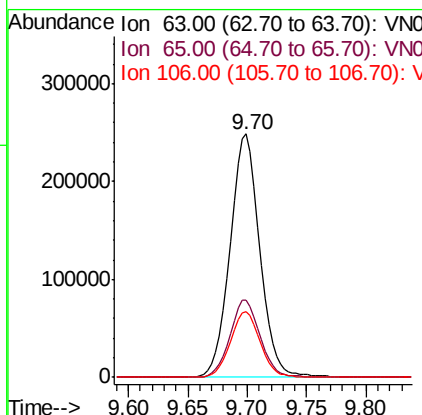
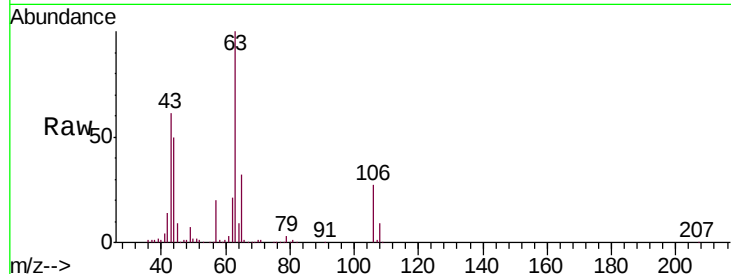




#55
 2-Chloroethyl vinyl ether
 Concen: 97.325 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

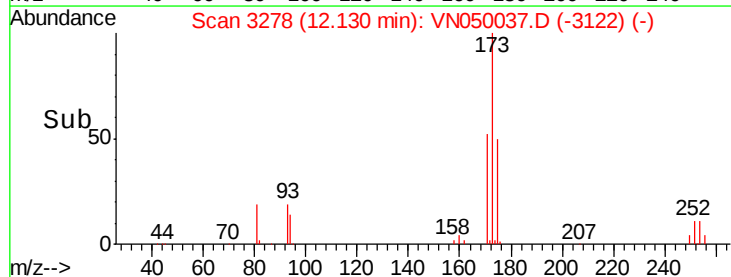
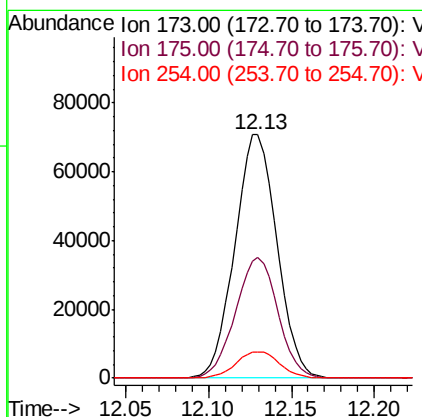
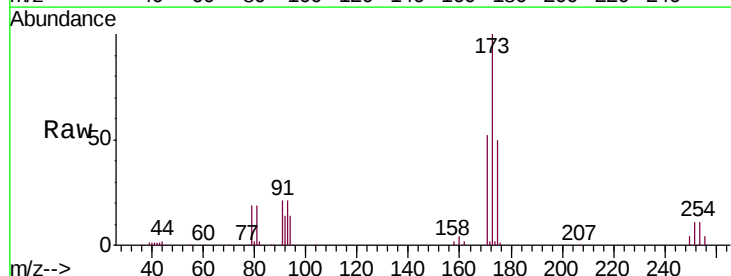
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

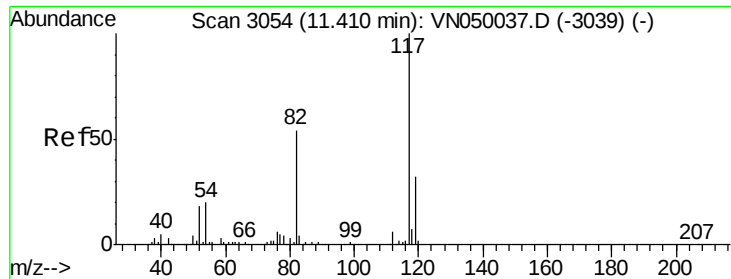
Tgt Ion: 63 Resp: 430562
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.5 38.3
 106 27.3 21.8 32.6



#56
 Bromoform
 Concen: 19.399 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 173 Resp: 125194
 Ion Ratio Lower Upper
 173 100
 175 49.6 38.6 57.8
 254 11.2 8.8 13.2

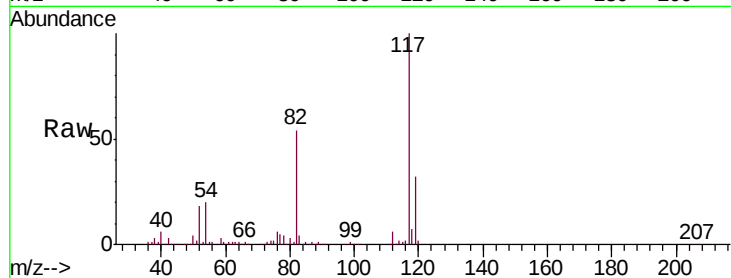




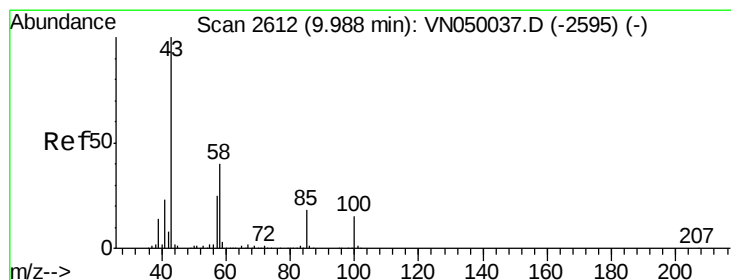
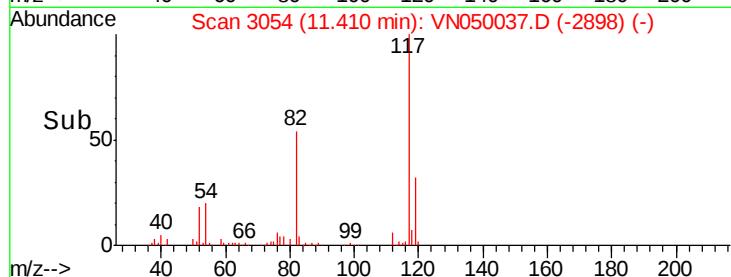
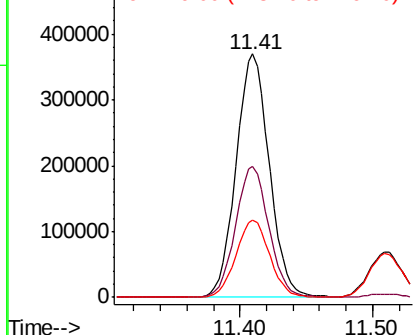
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.4	63.6
119	32.2	25.4	38.0

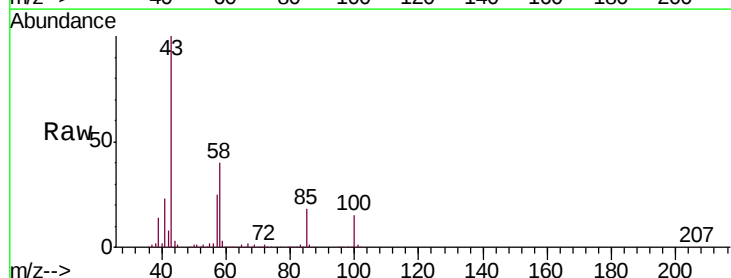


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

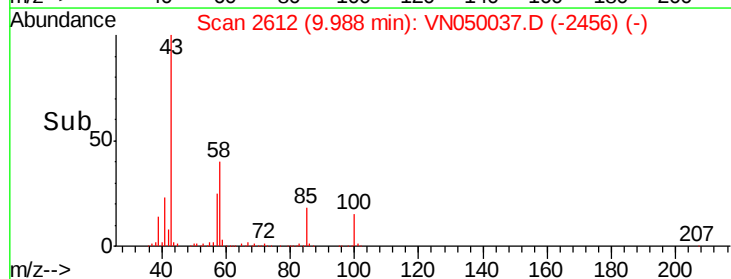
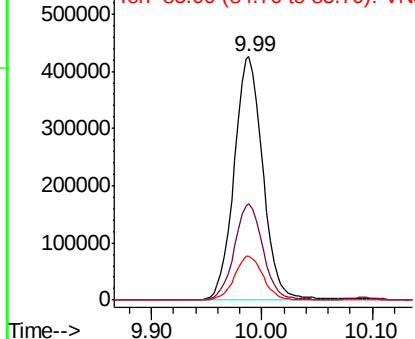


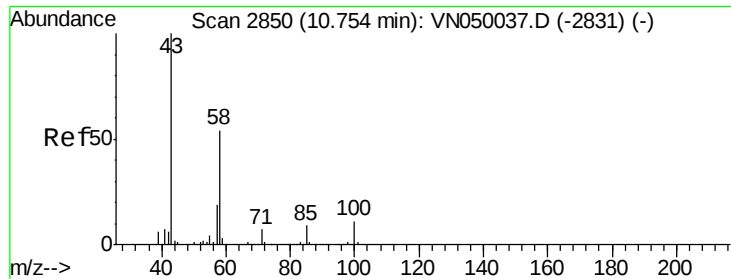
#58
4-Methyl-2-Pentanone
Concen: 102.052 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.2	46.8
85	18.1	14.4	21.6



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

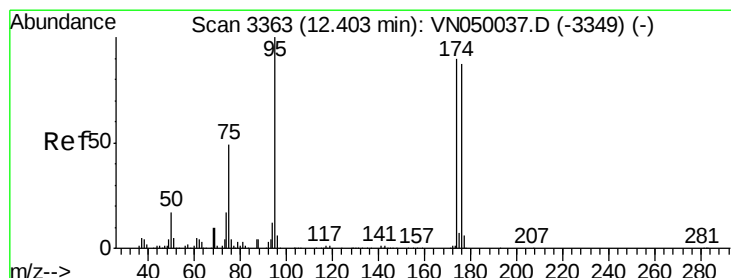
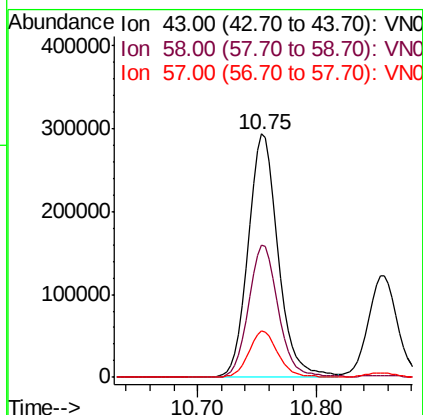
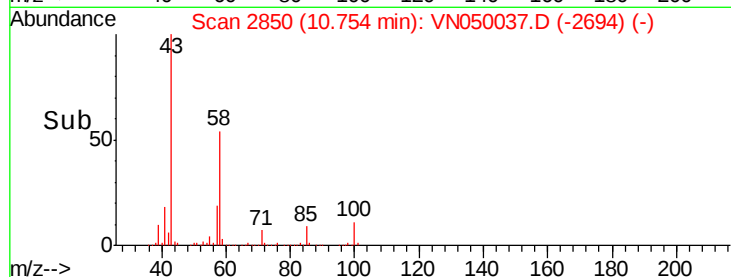
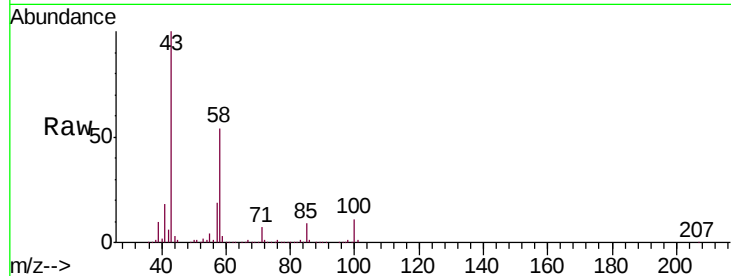




#59
2-Hexanone
Concen: 99.735 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

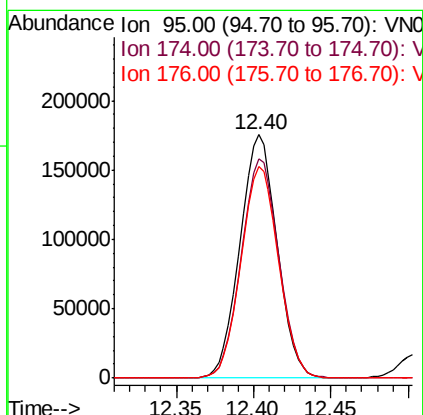
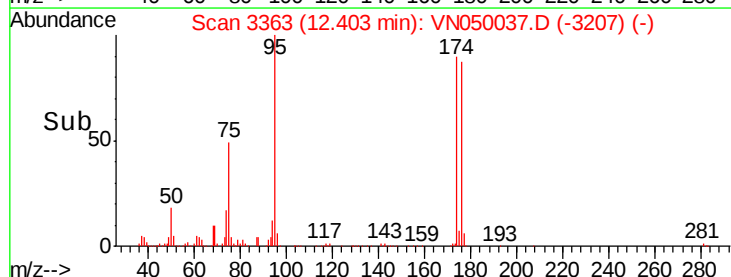
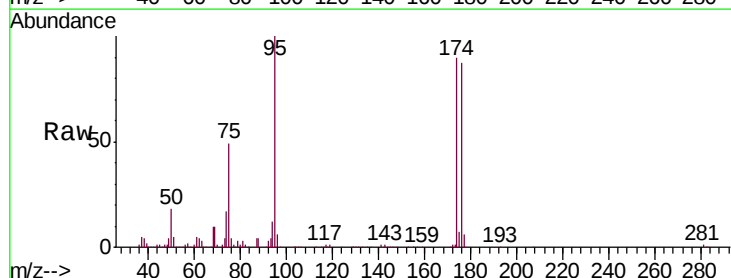
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

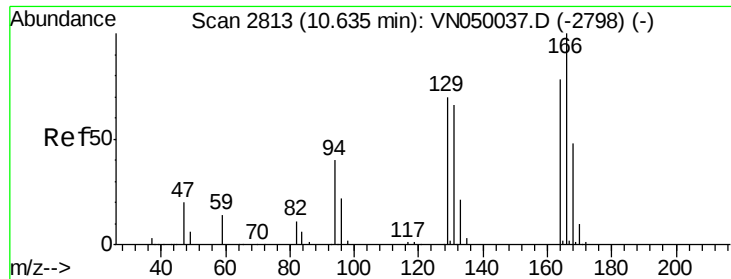
Tgt Ion: 43 Resp: 509572
Ion Ratio Lower Upper
43 100
58 54.4 43.8 65.8
57 18.8 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.644 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 95 Resp: 293125
Ion Ratio Lower Upper
95 100
174 91.3 72.3 108.5
176 88.1 70.0 105.0

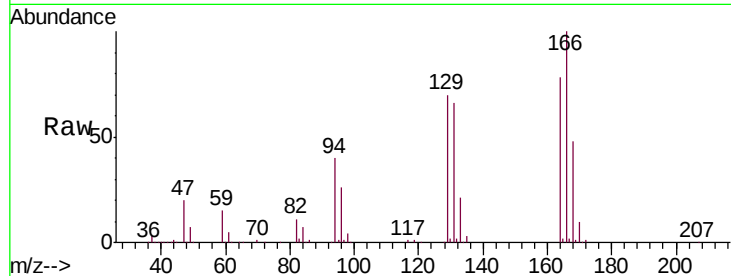




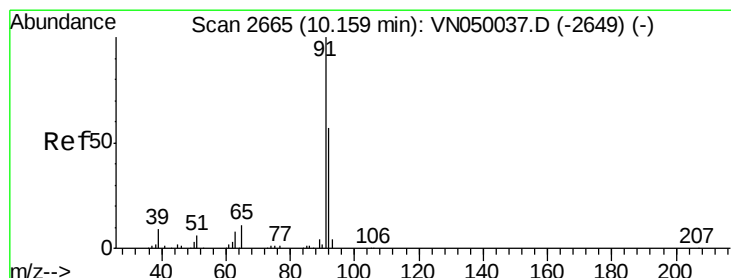
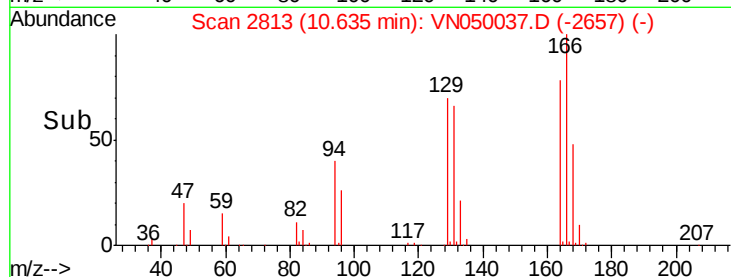
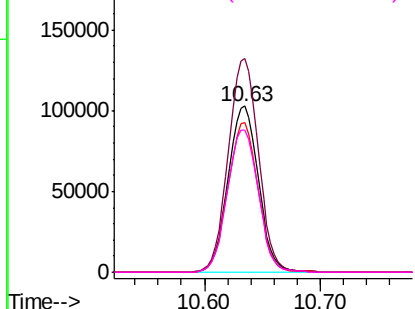
#61
Tetrachloroethene
Concen: 21.395 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:164 Resp: 186518
Ion Ratio Lower Upper
164 100
166 128.5 100.0 150.0
129 90.1 69.3 103.9
131 85.4 68.8 103.2

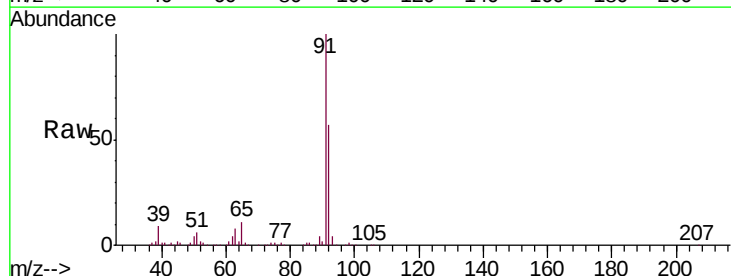


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

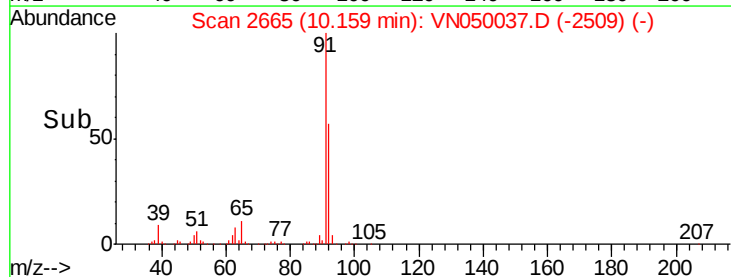
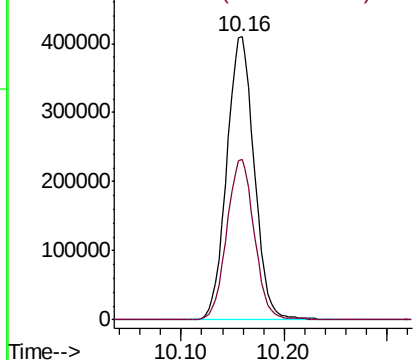


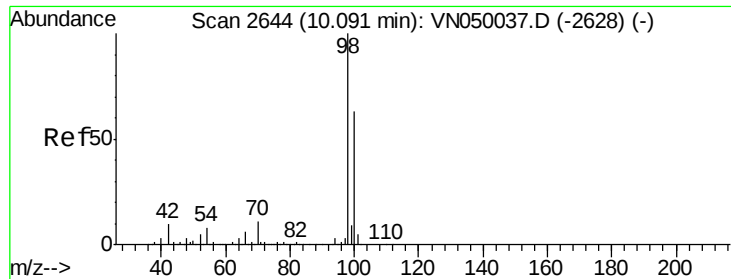
#62
Toluene
Concen: 20.820 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 91 Resp: 764551
Ion Ratio Lower Upper
91 100
92 56.8 45.7 68.5



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





#63

Toluene-d8

Concen: 30.799 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

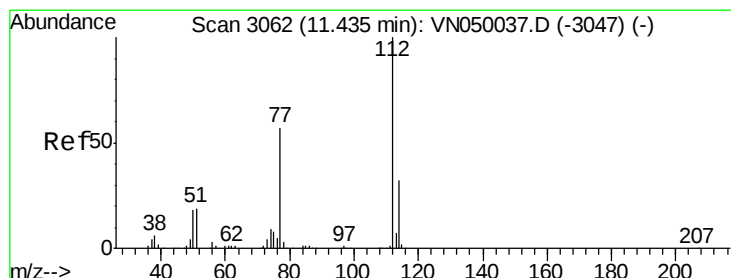
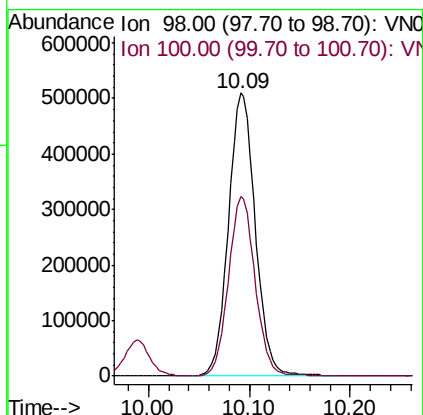
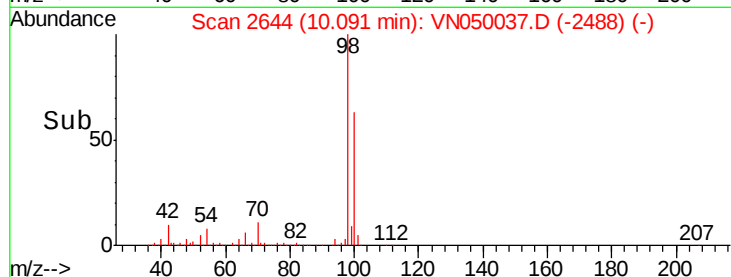
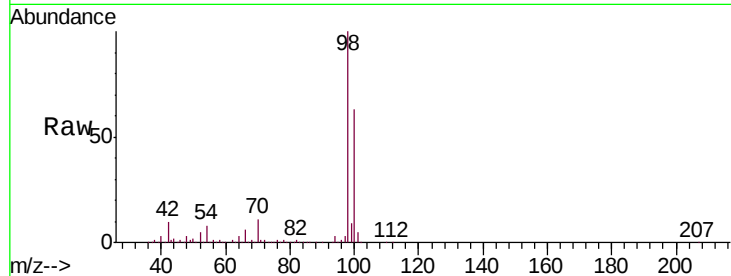
VSTDICCC020

Tgt Ion: 98 Resp: 946855

Ion Ratio Lower Upper

98 100

100 62.7 51.2 76.8



#64

Chlorobenzene

Concen: 20.409 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050037.D

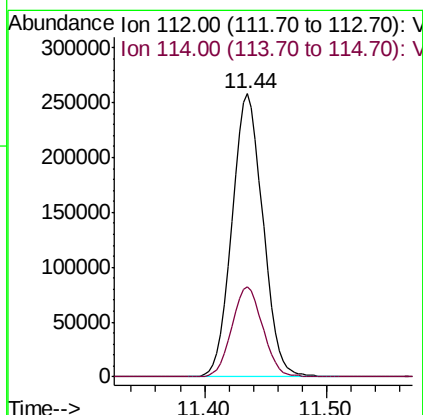
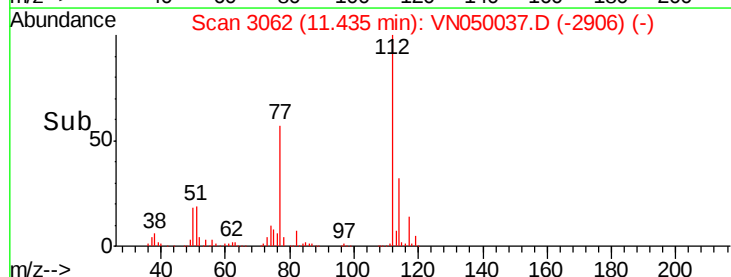
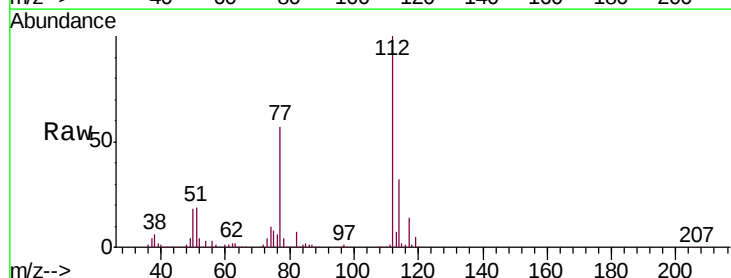
Acq: 25 Jul 2018 8:56

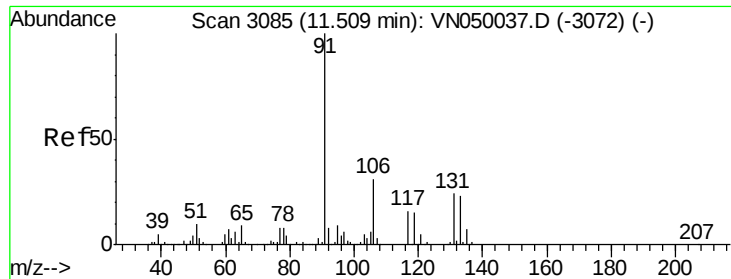
Tgt Ion: 112 Resp: 454454

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.685 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

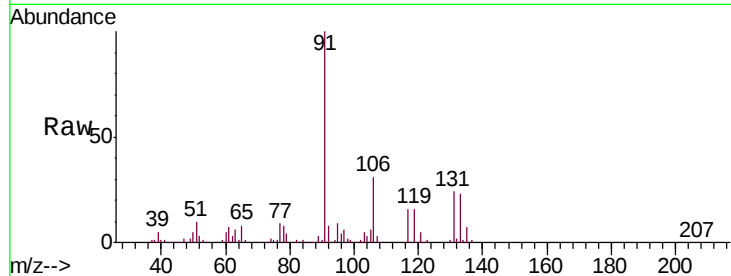
Tgt Ion:131 Resp: 179657

Ion Ratio Lower Upper

131 100

133 94.2 0.0 190.0

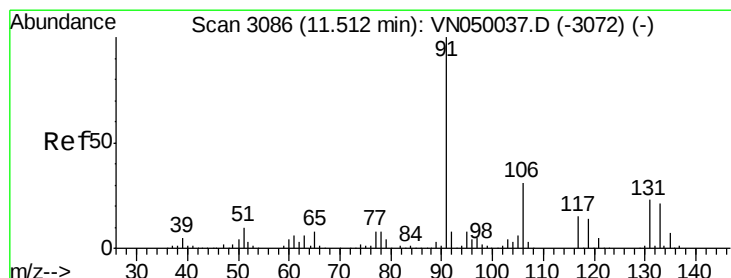
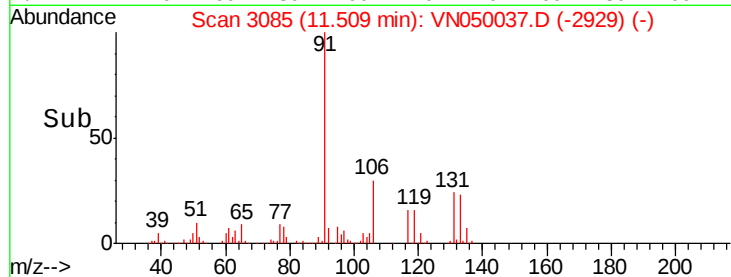
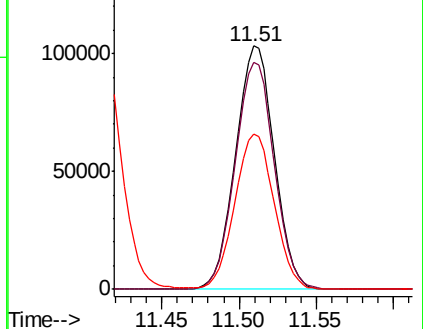
119 64.8 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.175 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050037.D

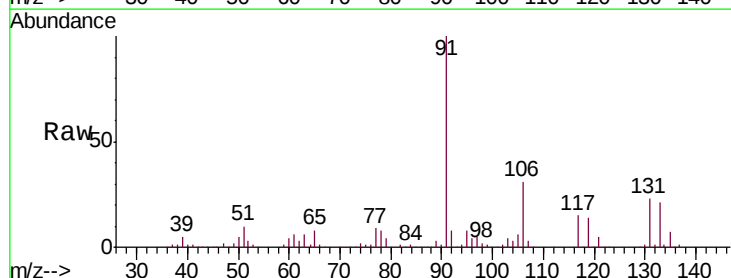
Acq: 25 Jul 2018 8:56

Tgt Ion: 91 Resp: 757112

Ion Ratio Lower Upper

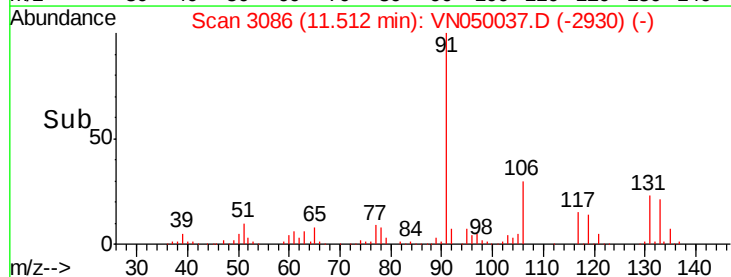
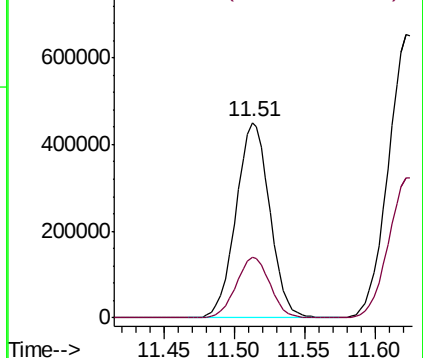
91 100

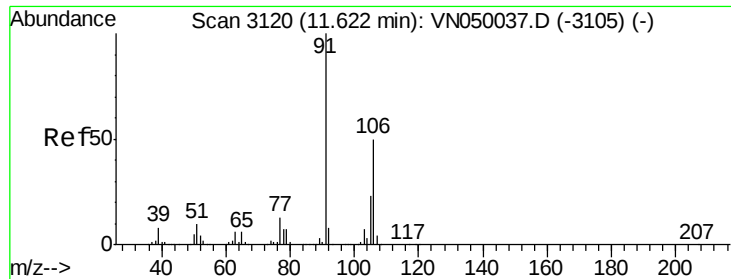
106 31.0 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

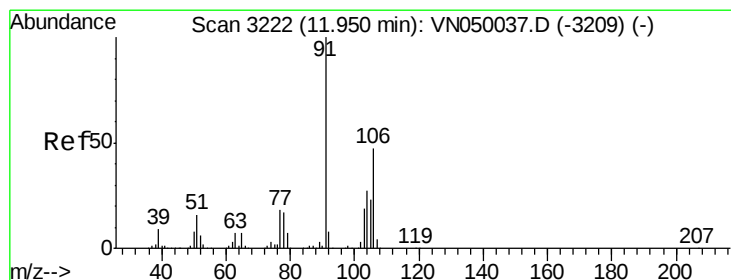
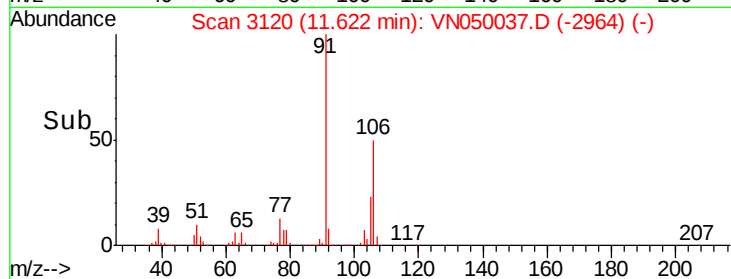
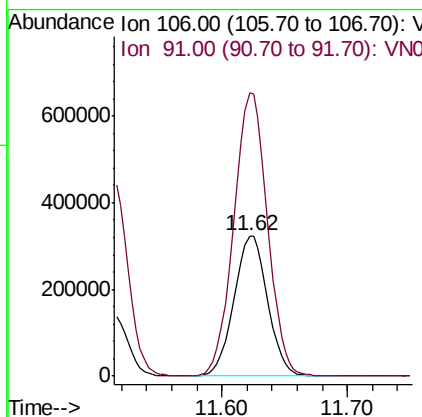
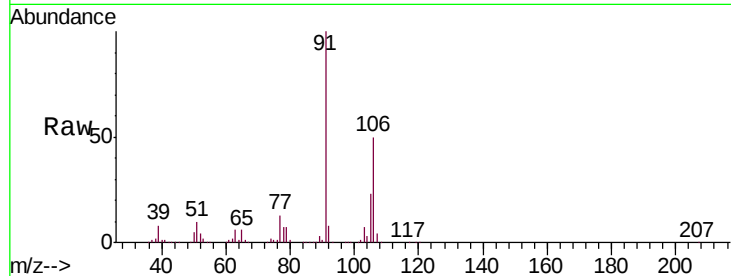




#67
m/p-Xylenes
Concen: 41.656 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

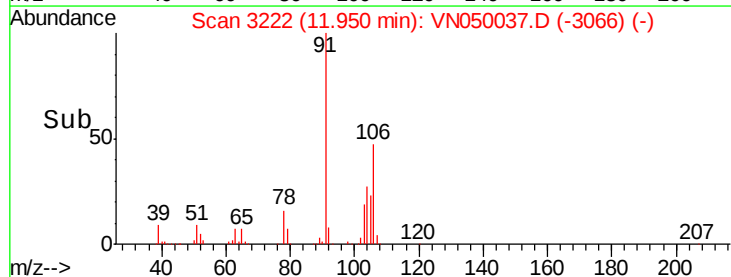
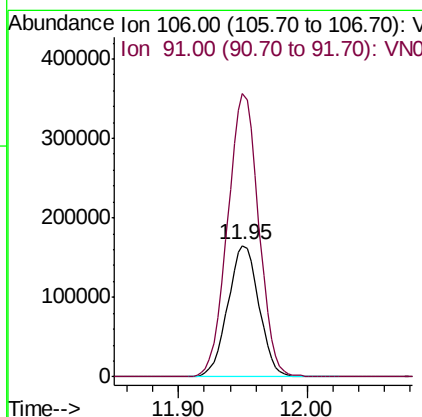
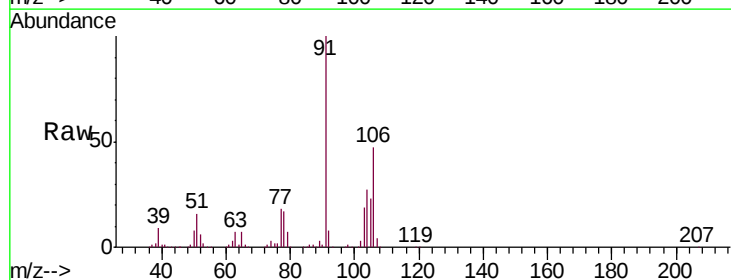
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

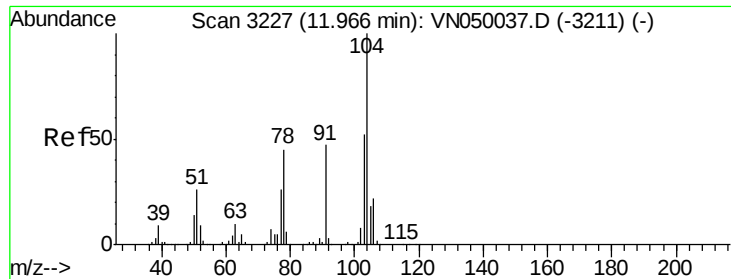
Tgt Ion:106 Resp: 601581
Ion Ratio Lower Upper
106 100
91 202.6 162.5 243.7



#68
o-Xylene
Concen: 20.107 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion:106 Resp: 276280
Ion Ratio Lower Upper
106 100
91 215.5 106.8 320.4

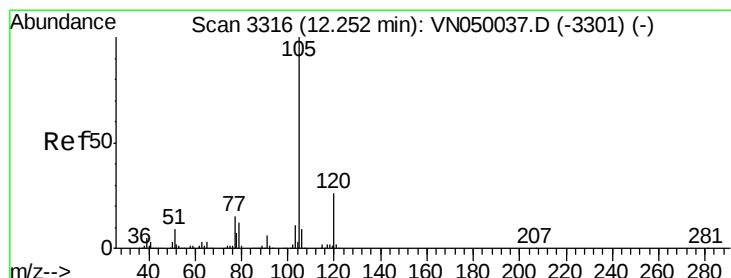
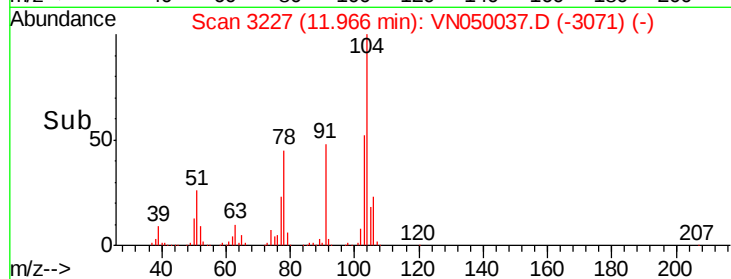
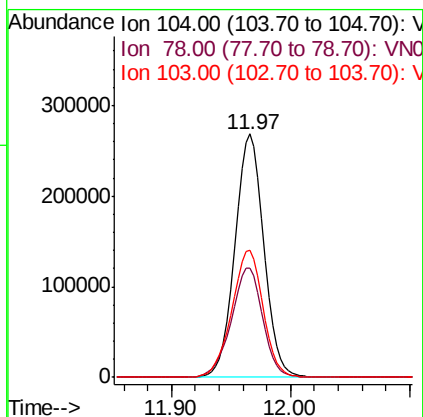
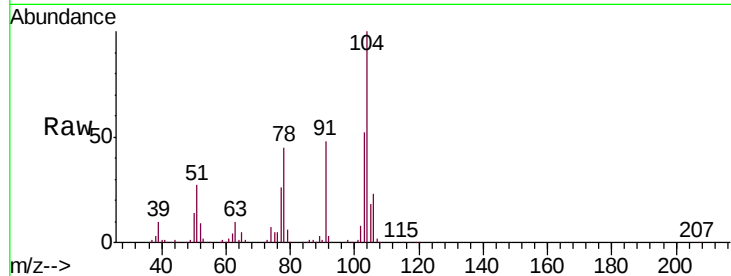




#69
Styrene
Concen: 20.533 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

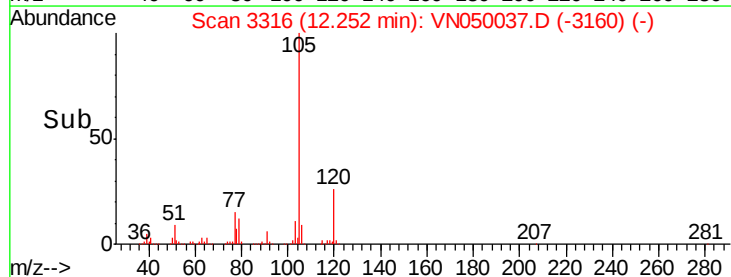
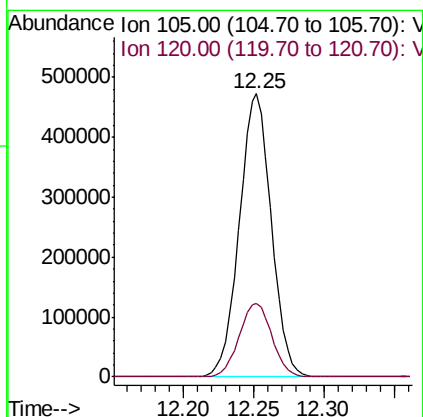
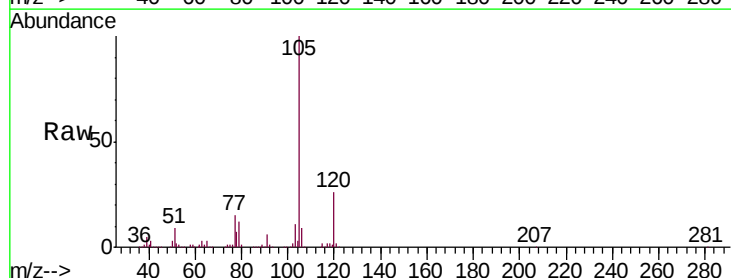
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

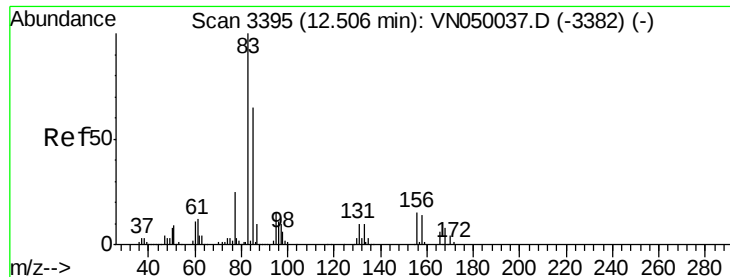
Tgt Ion:104 Resp: 452282
Ion Ratio Lower Upper
104 100
78 49.0 39.3 58.9
103 56.4 44.5 66.7



#70
Isopropylbenzene
Concen: 20.476 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion:105 Resp: 749300
Ion Ratio Lower Upper
105 100
120 26.7 18.9 35.1

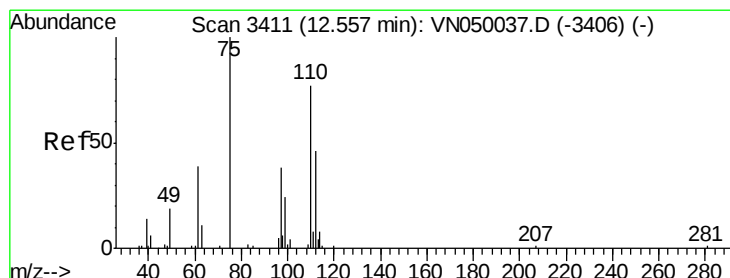
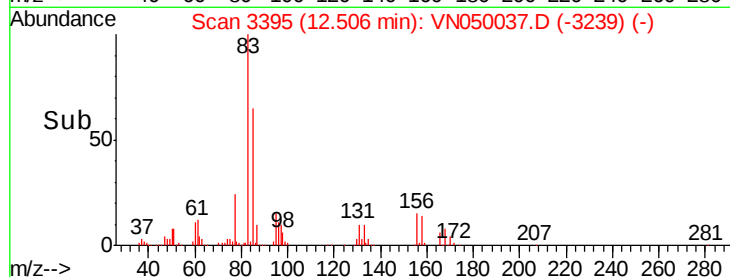
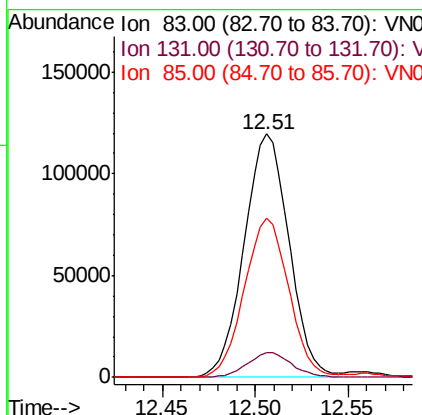
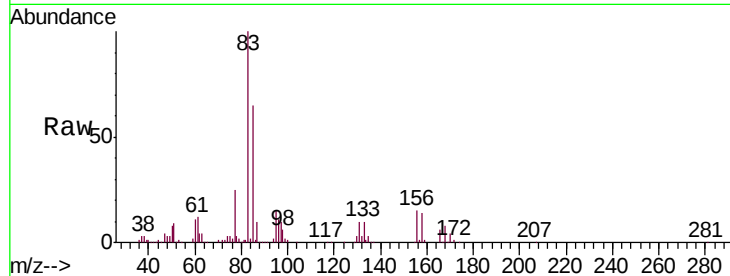




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.038 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

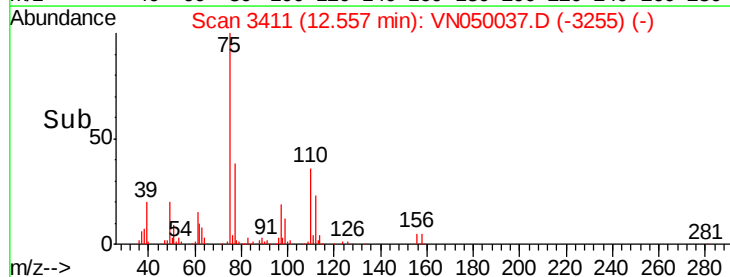
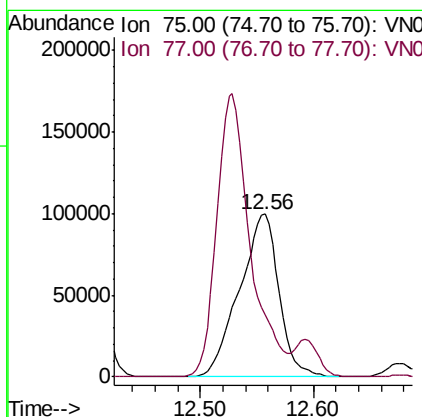
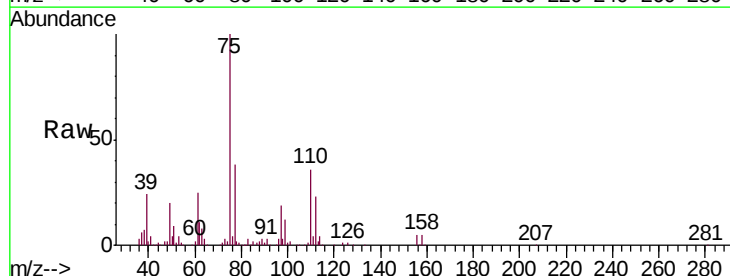
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

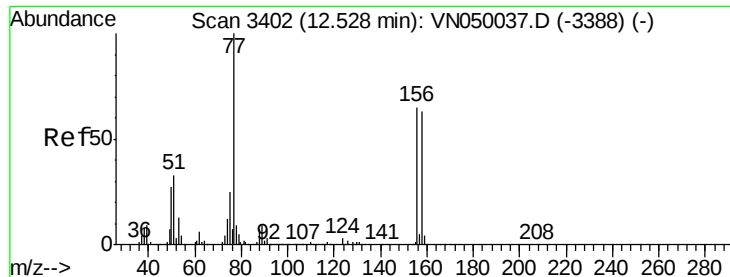
Tgt Ion: 83 Resp: 201333
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.2 15.6
 85 64.7 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 30.086 ug/l
 RT: 12.56 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 75 Resp: 242726
 Ion Ratio Lower Upper
 75 100
 77 147.3 0.0 454.4





#73

Bromobenzene

Concen: 20.159 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

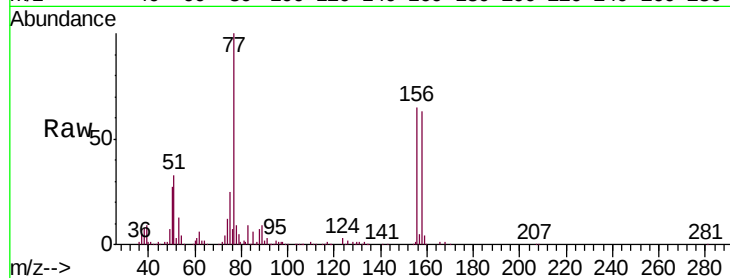
Tgt Ion:156 Resp: 196518

Ion Ratio Lower Upper

156 100

77 181.9 0.0 359.8

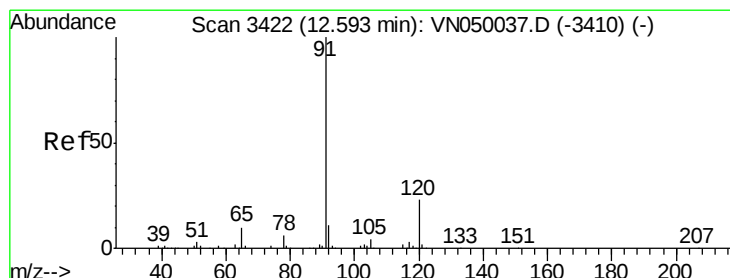
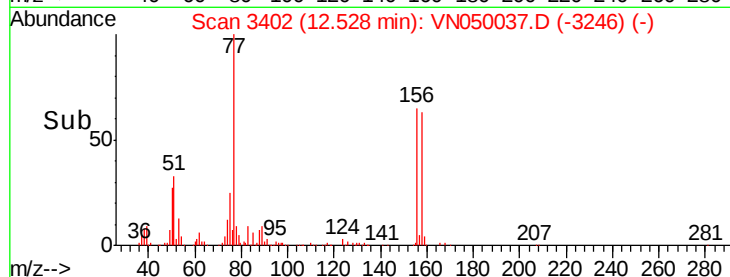
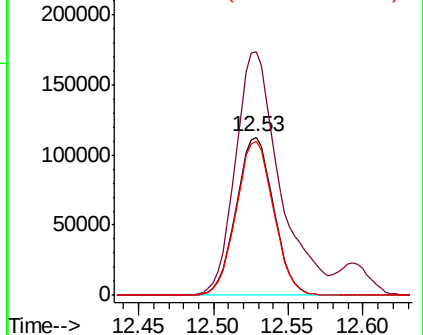
158 97.1 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.681 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050037.D

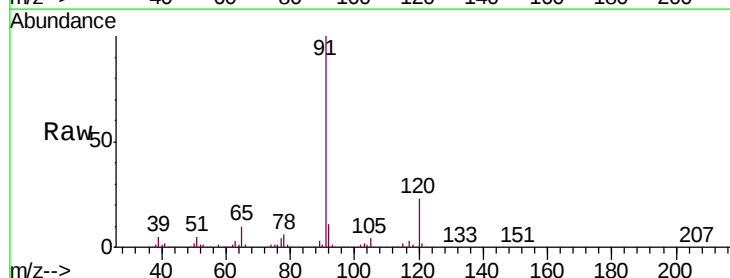
Acq: 25 Jul 2018 8:56

Tgt Ion: 91 Resp: 881417

Ion Ratio Lower Upper

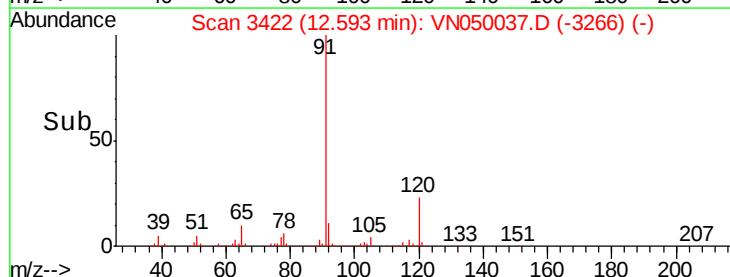
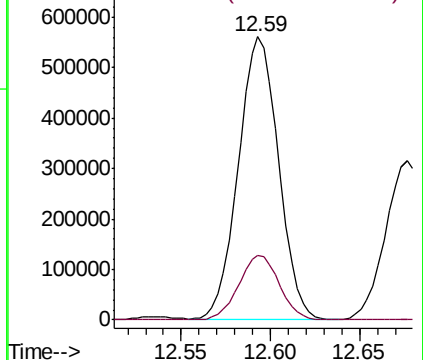
91 100

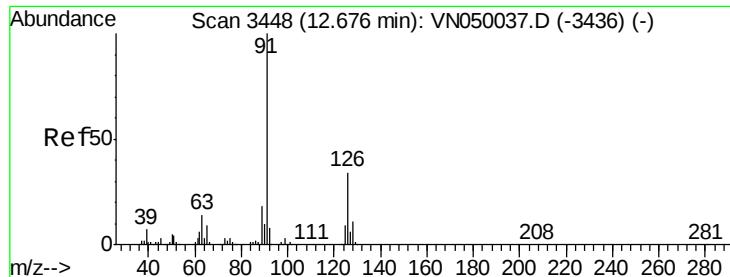
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.601 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

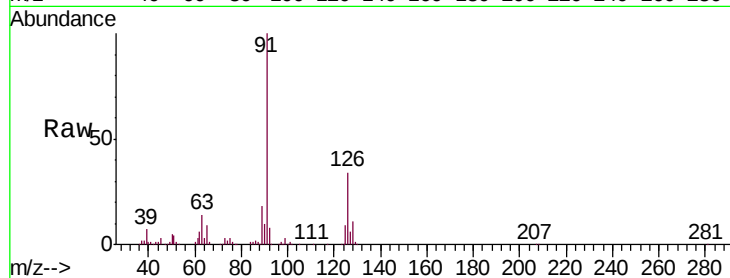
VSTDICCC020

Tgt Ion: 91 Resp: 527363

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)

400000

300000

200000

100000

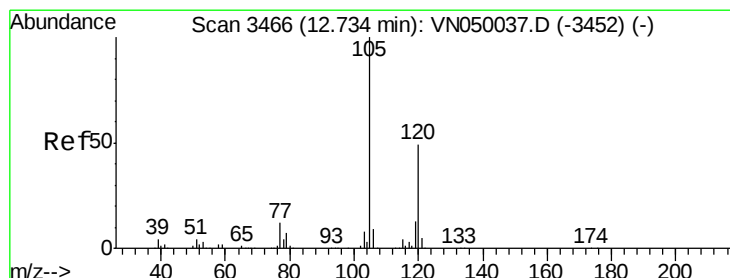
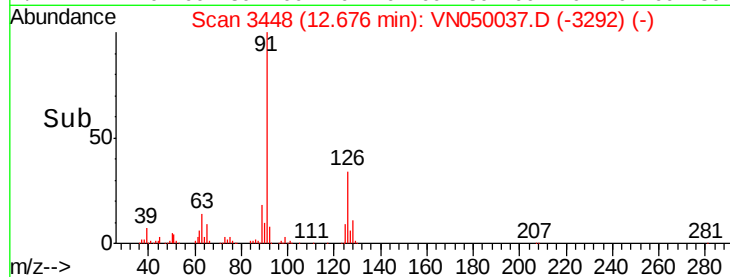
0

12.65

12.68

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.986 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050037.D

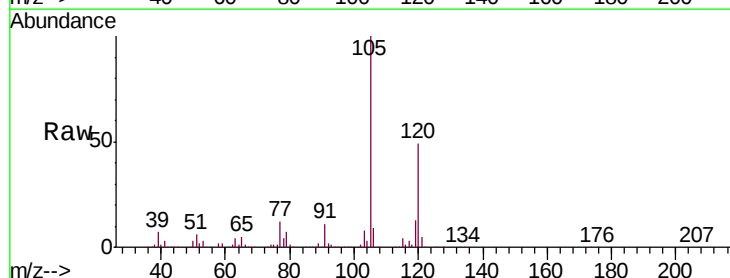
Acq: 25 Jul 2018 8:56

Tgt Ion: 105 Resp: 630767

Ion Ratio Lower Upper

105 100

120 48.3 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)

400000

300000

200000

100000

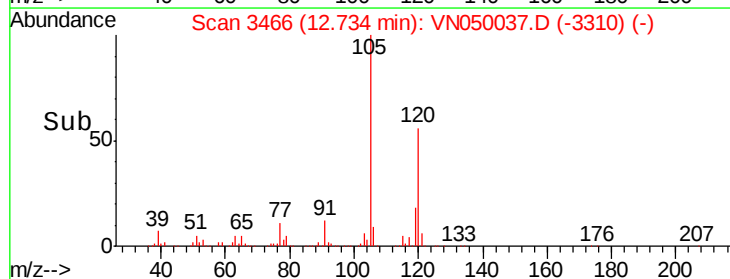
0

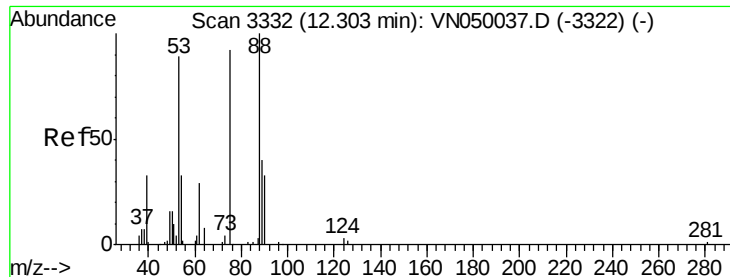
12.70

12.73

12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 18.641 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

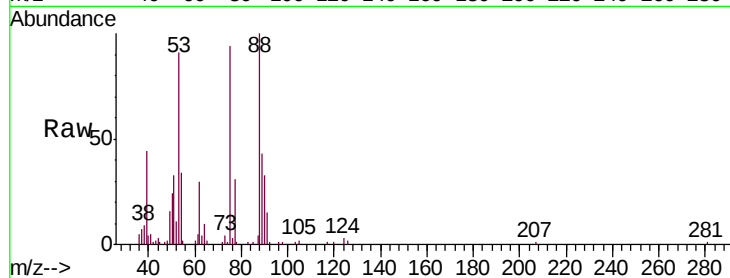
Tgt Ion: 75 Resp: 52299

Ion Ratio Lower Upper

75 100

53 96.5 44.6 134.0

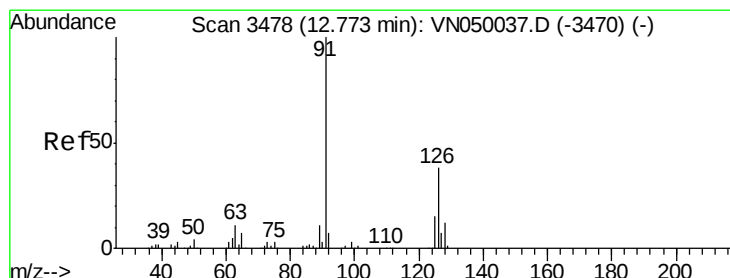
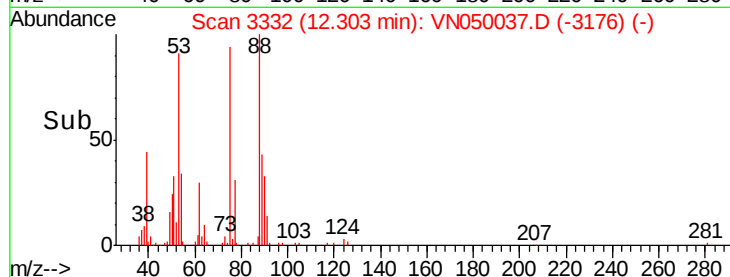
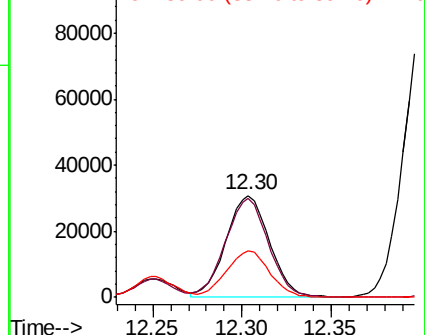
89 45.4 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.566 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050037.D

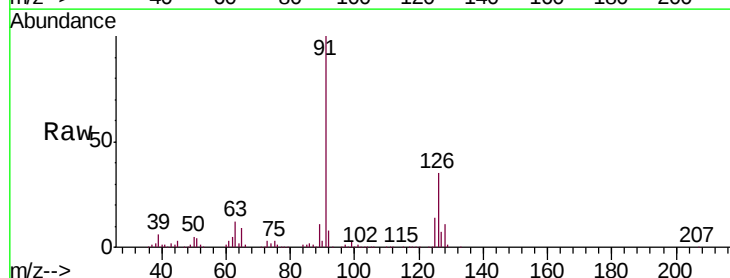
Acq: 25 Jul 2018 8:56

Tgt Ion: 91 Resp: 521712

Ion Ratio Lower Upper

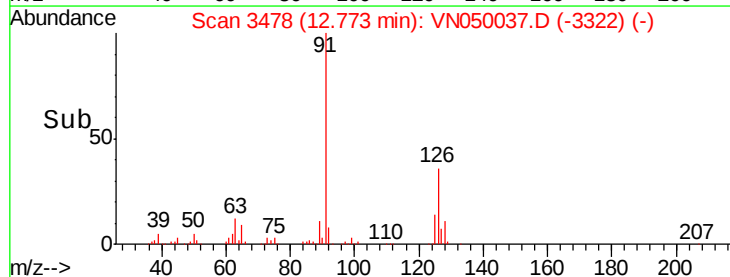
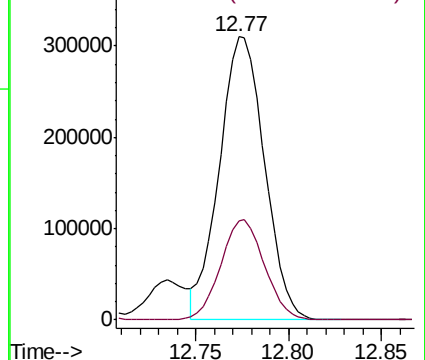
91 100

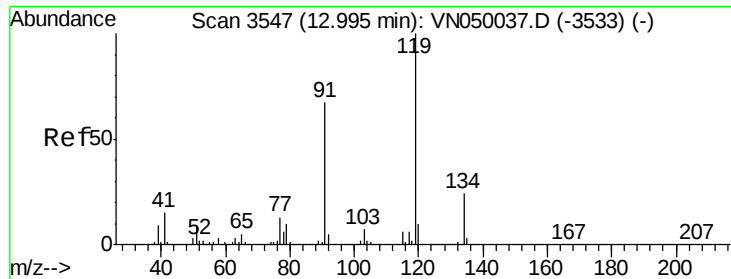
126 34.5 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

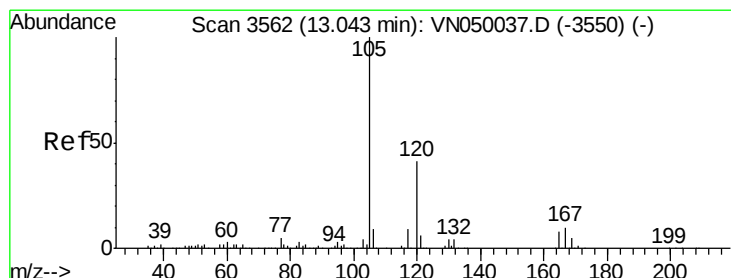
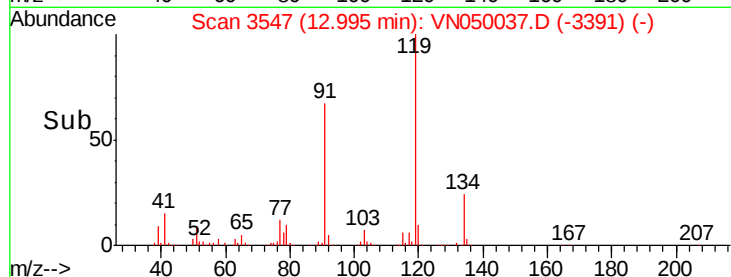
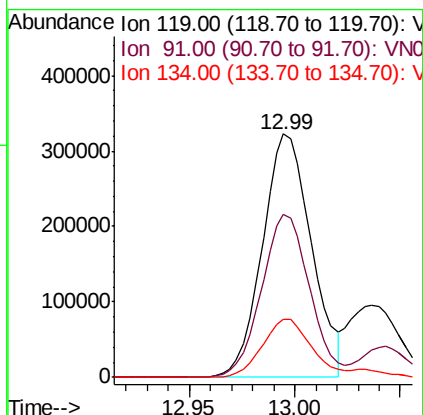
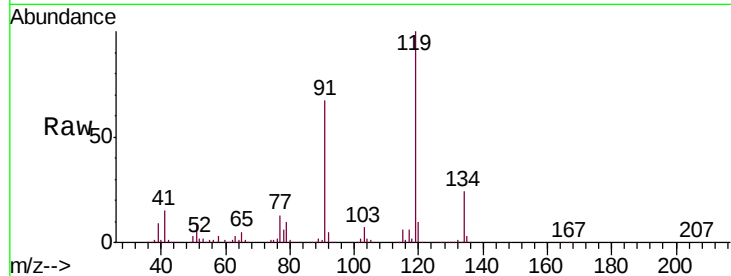




#79
tert-butylbenzene
Concen: 20.357 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

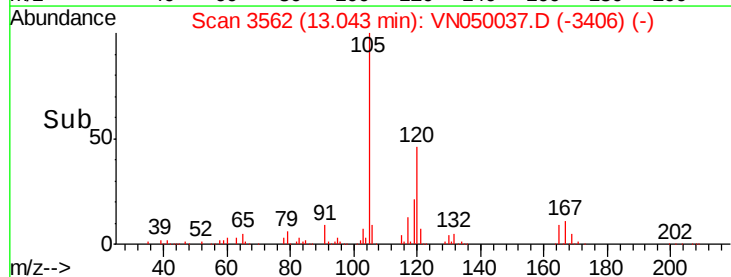
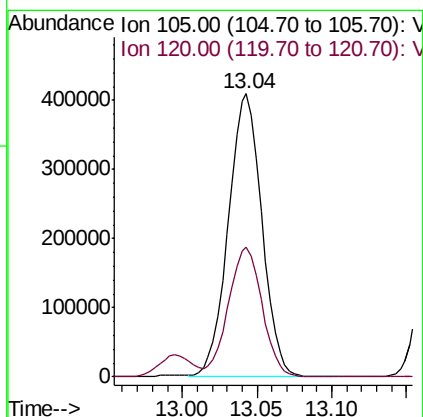
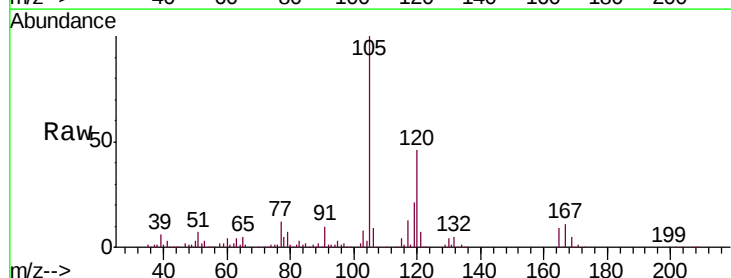
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

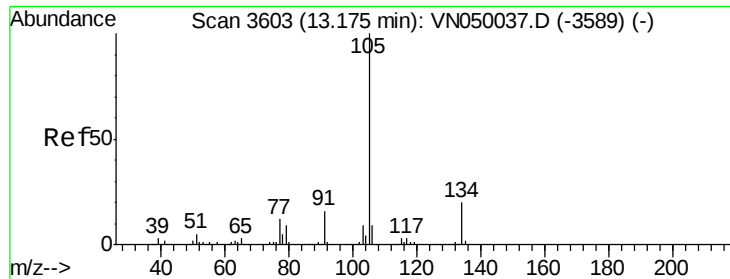
Tgt Ion:119 Resp: 523112
Ion Ratio Lower Upper
119 100
91 65.5 0.0 126.8
134 23.8 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.999 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion:105 Resp: 639465
Ion Ratio Lower Upper
105 100
120 46.0 0.0 90.6

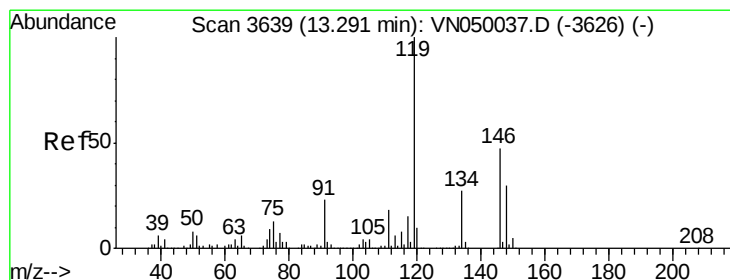
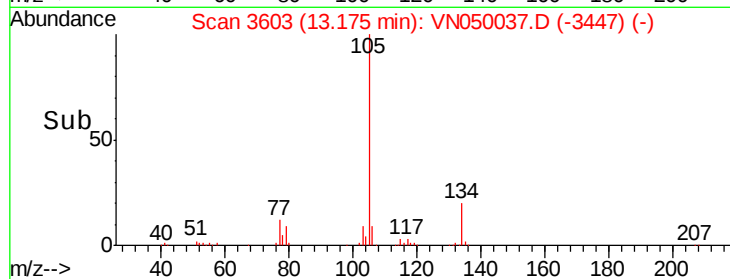
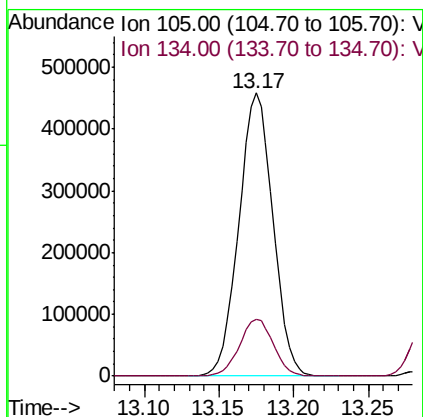
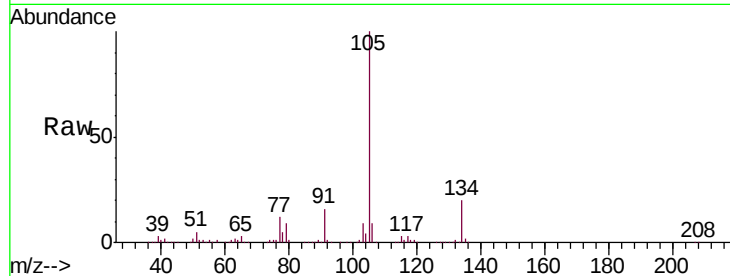




#81
 sec-Butylbenzene
 Concen: 20.735 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

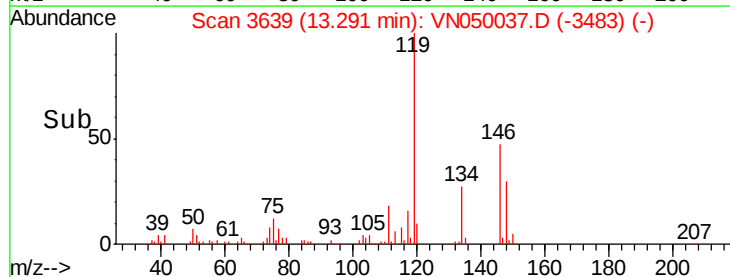
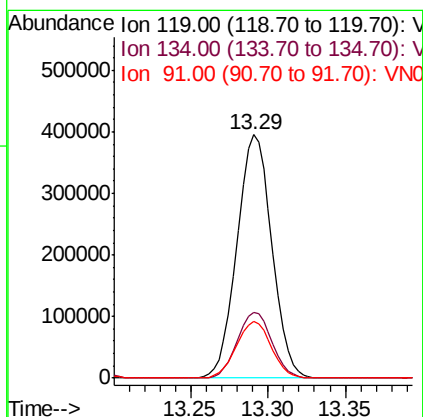
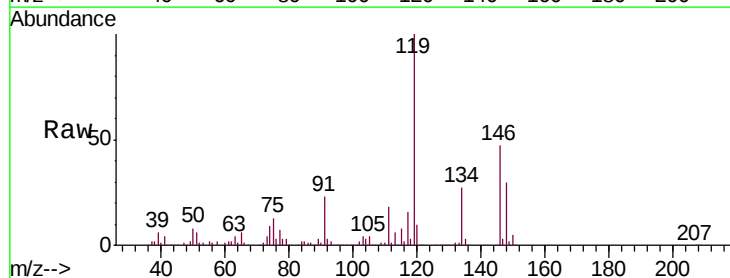
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

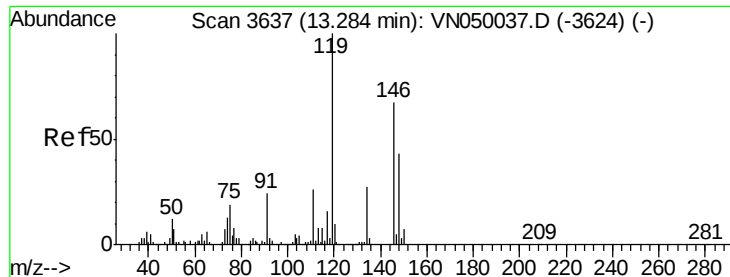
Tgt Ion:105 Resp: 723833
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 20.685 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion:119 Resp: 616103
 Ion Ratio Lower Upper
 119 100
 134 27.2 0.0 52.2
 91 23.4 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 20.296 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

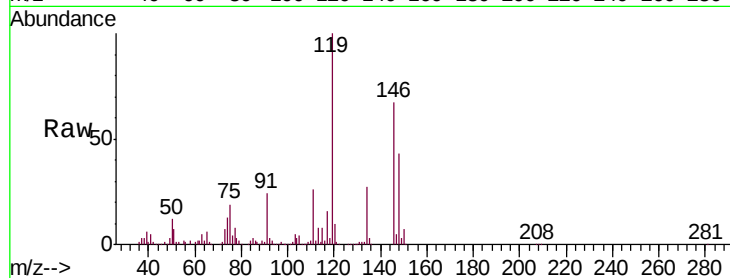
Tgt Ion:146 Resp: 344518

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.1

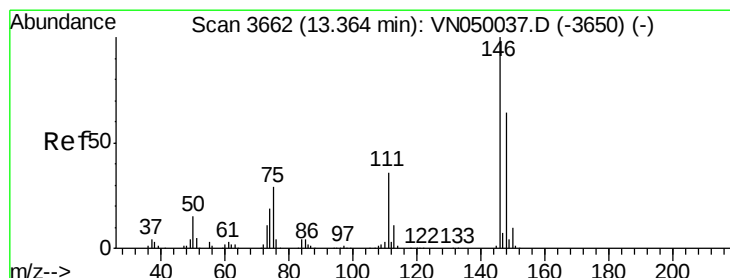
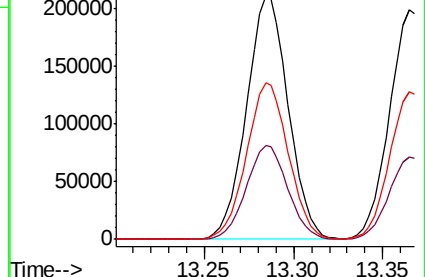
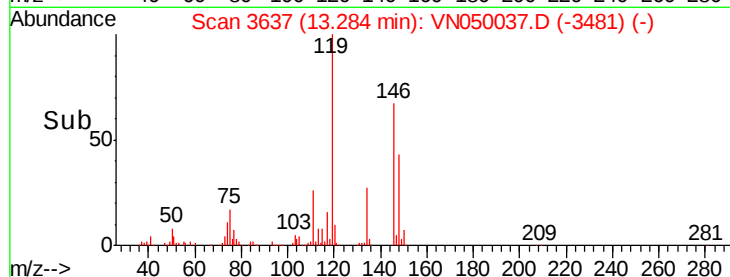
148 64.5 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 20.308 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050037.D

Acq: 25 Jul 2018 8:56

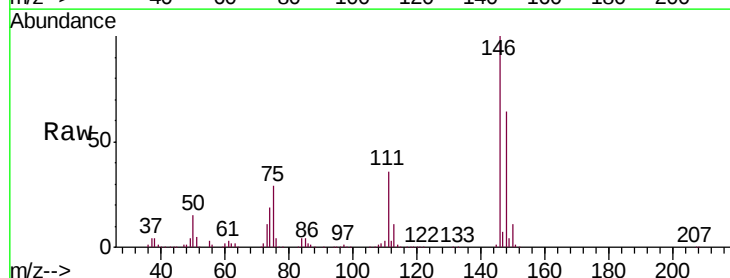
Tgt Ion:146 Resp: 325760

Ion Ratio Lower Upper

146 100

111 36.1 17.9 53.8

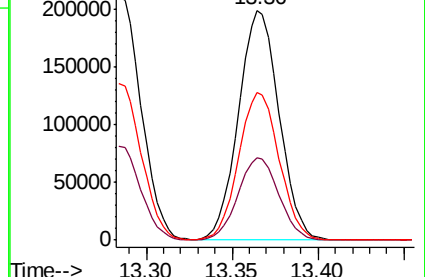
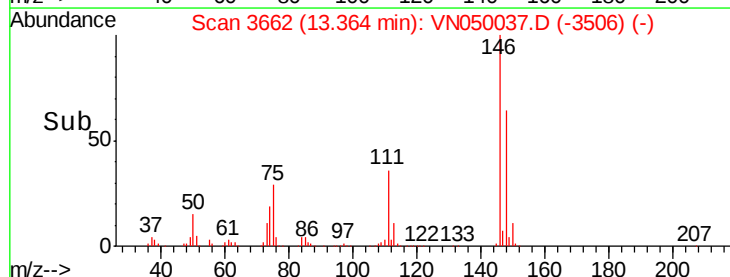
148 64.4 32.4 97.0

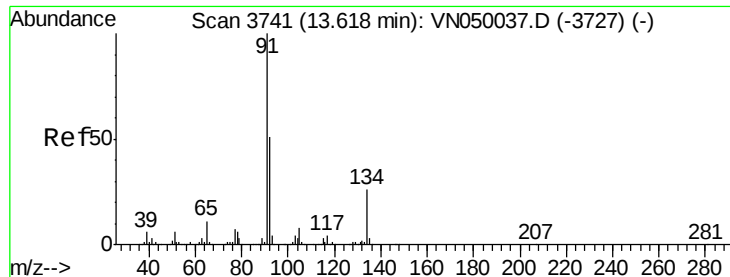


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

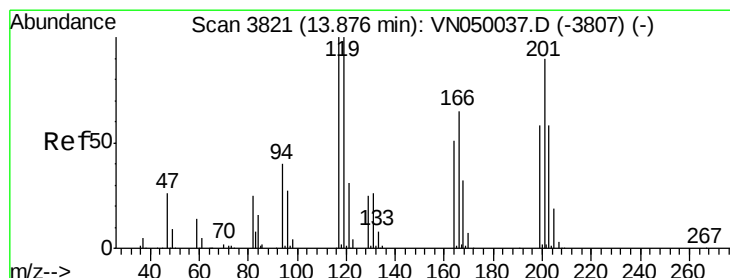
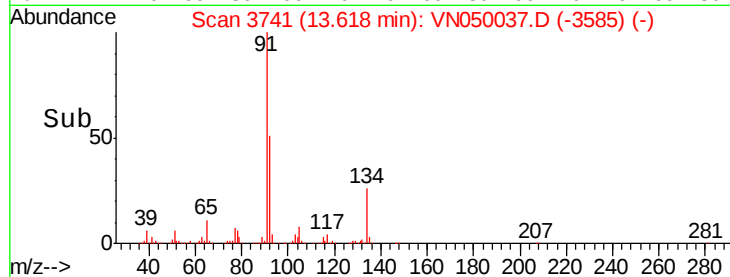
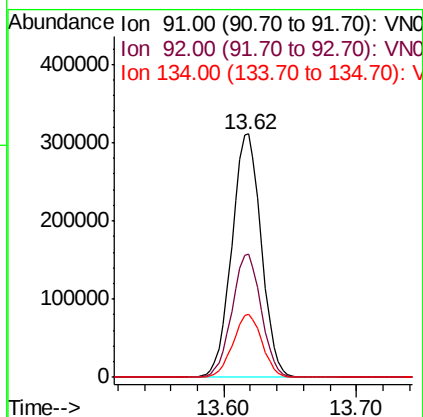
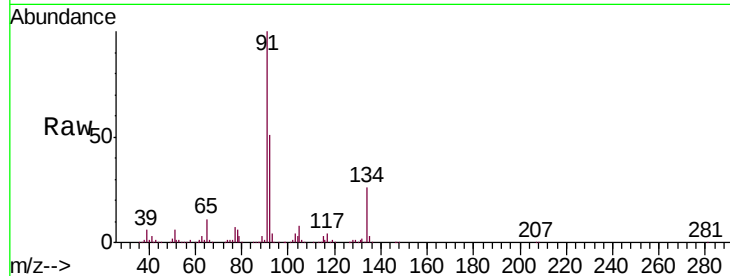




#85
n-Butylbenzene
Concen: 19.843 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

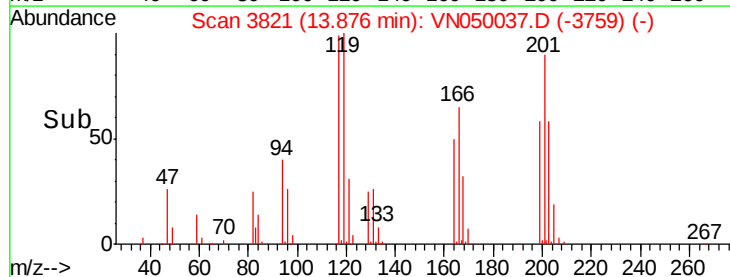
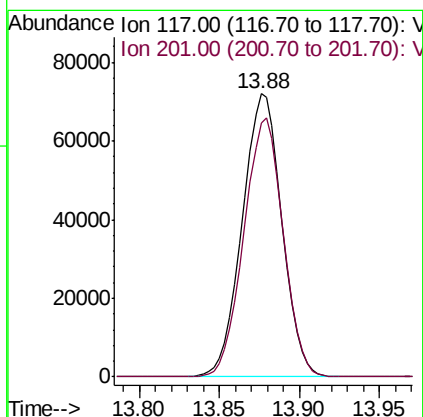
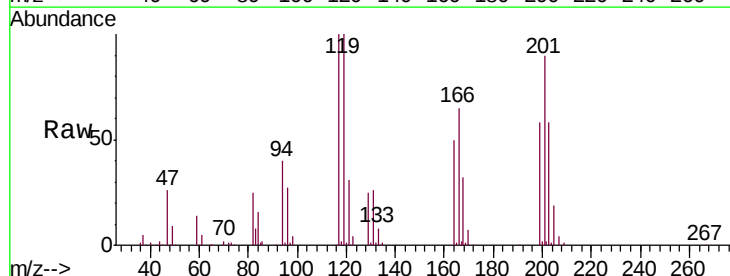
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

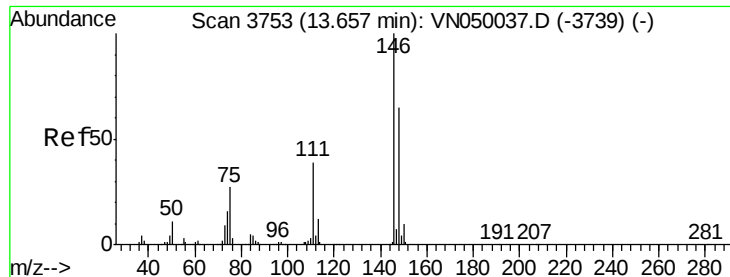
Tgt Ion: 91 Resp: 479667
Ion Ratio Lower Upper
91 100
92 50.3 0.0 102.8
134 25.5 0.0 51.0



#86
Hexachloroethane
Concen: 20.404 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion: 117 Resp: 121445
Ion Ratio Lower Upper
117 100
201 90.8 46.6 139.7

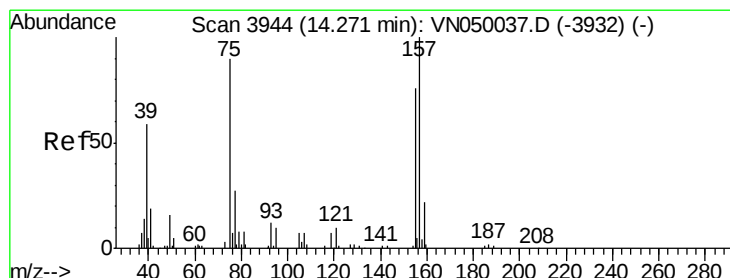
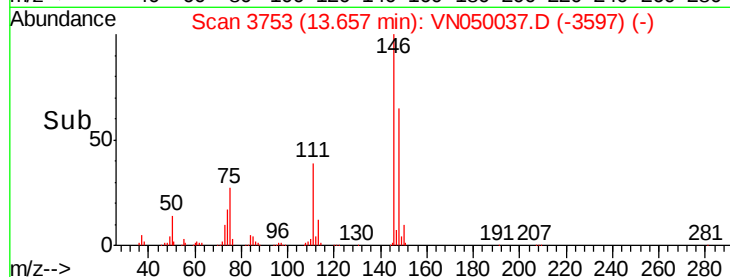
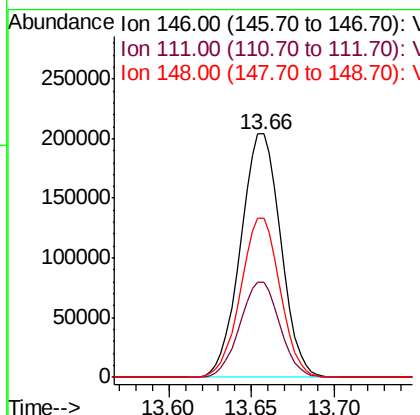
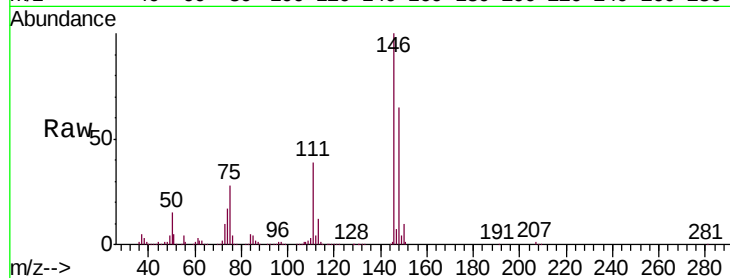




#87
 1,2-Dichlorobenzene
 Concen: 20.783 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

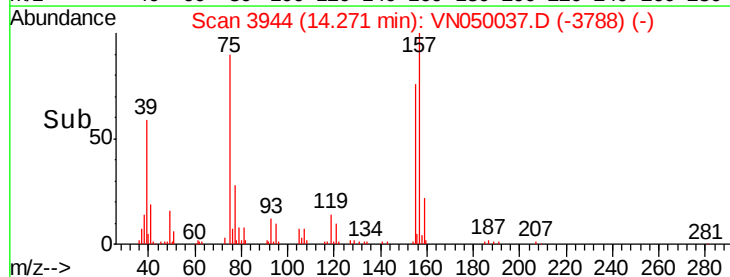
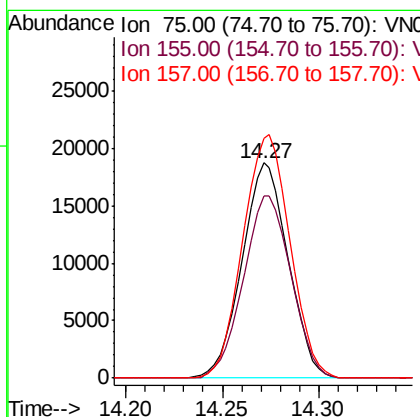
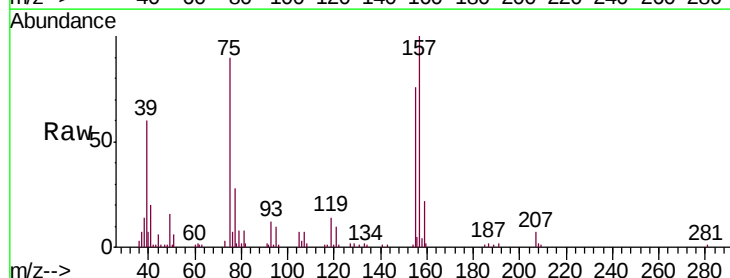
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

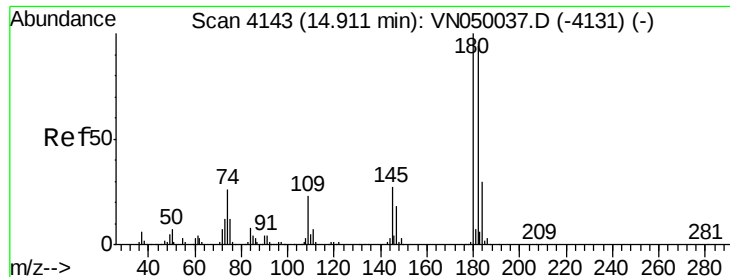
Tgt Ion:146 Resp: 344830
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.8 59.3
 148 64.3 31.8 95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.870 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion: 75 Resp: 31101
 Ion Ratio Lower Upper
 75 100
 155 87.1 73.0 109.6
 157 115.4 94.9 142.3

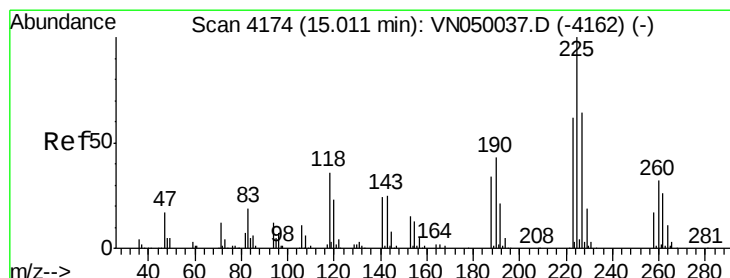
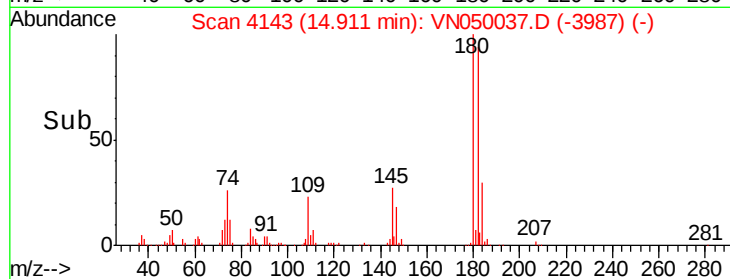
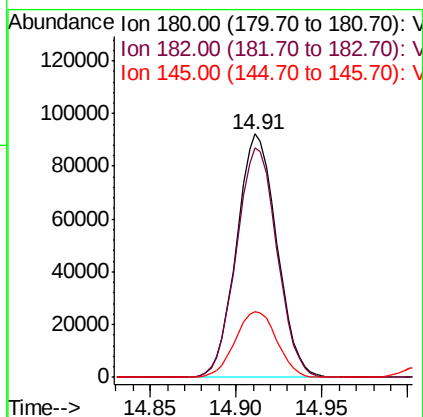
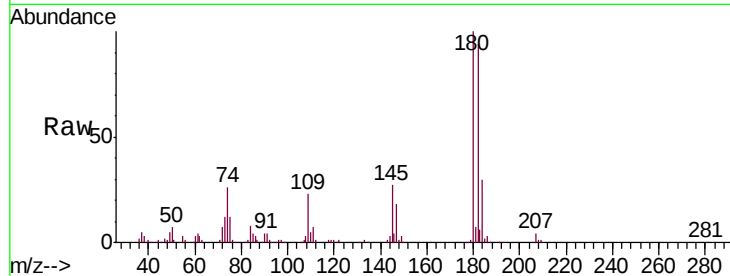




#89
 1,2,4-Trichlorobenzene
 Concen: 18.899 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

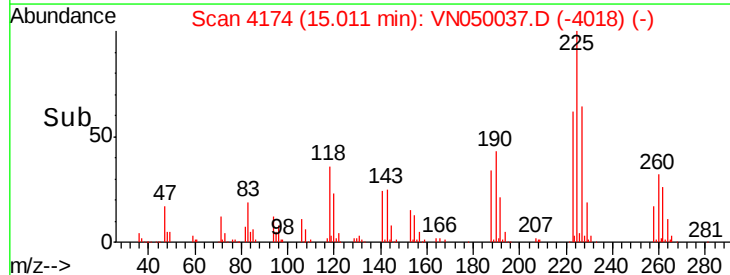
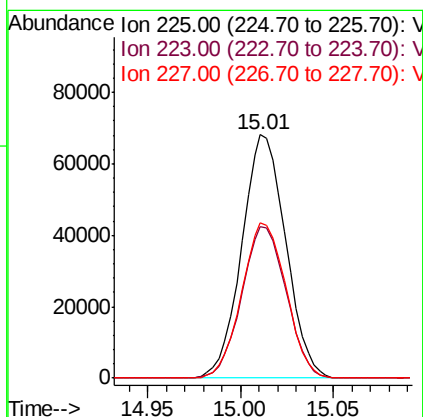
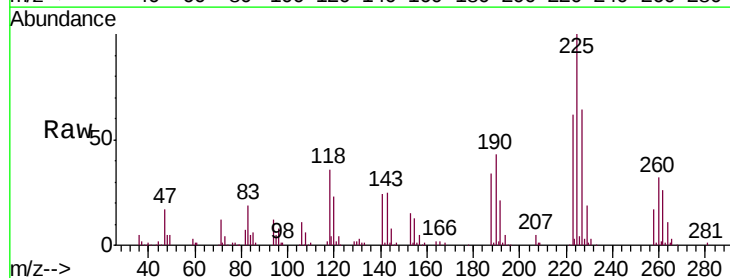
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

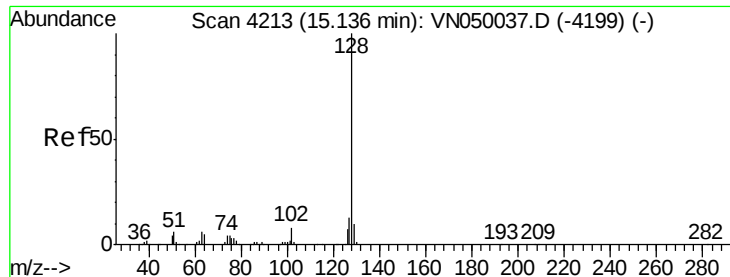
Tgt Ion:180 Resp: 149776
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.7 115.1
 145 28.1 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 21.453 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050037.D
 Acq: 25 Jul 2018 8:56

Tgt Ion:225 Resp: 112092
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 124.4
 227 64.2 0.0 133.0

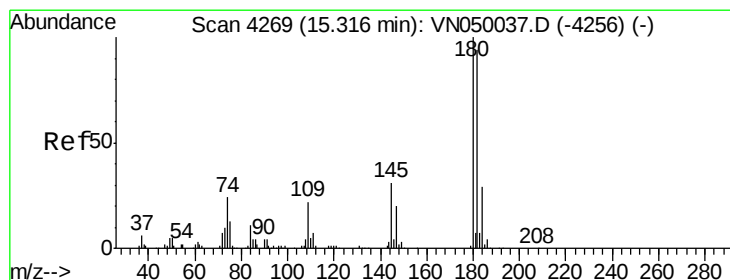
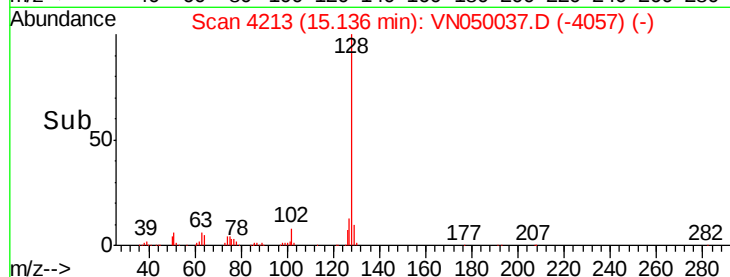
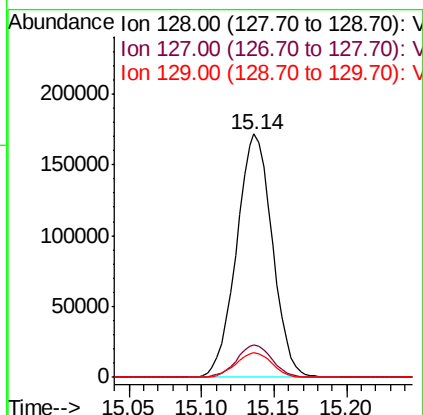
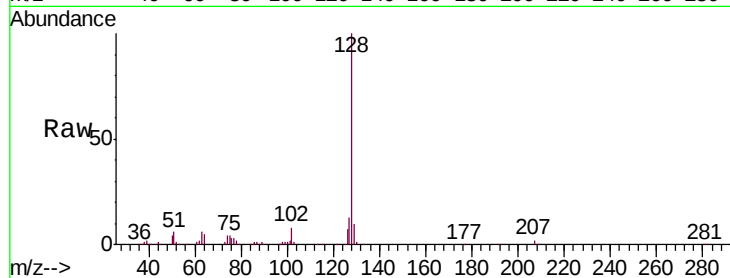




#91
Naphthalene
Concen: 19.501 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 294613
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.3 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 19.539 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050037.D
Acq: 25 Jul 2018 8:56

Tgt Ion:180 Resp: 157478
Ion Ratio Lower Upper
180 100
182 95.2 0.0 188.8
145 30.9 0.0 60.8

