

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049814.D
 Acq On : 13 Jul 2018 23:30
 Operator : MD\SY
 Sample : VN0713WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

Quant Time: Jul 14 01:38:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1150250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1854262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1523432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	768279	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
35) Dibromofluoromethane	7.59	113	717154	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.09	98	2502494	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.40	95	665847	38.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	404	Below Cal		97
3) Chloromethane	2.06	50	2080	Below Cal	#	84
4) Vinyl Chloride	2.18	62	566	Below Cal	#	77
5) Bromomethane	2.58	94	1412	Below Cal	#	68
6) Chloroethane	2.71	64	740	0.07	ug/l	100
7) Trichlorofluoromethane	3.02	101	363	0.02	ug/l	# 35
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136	0.01	ug/l	# 75
10) Methyl Iodide	3.95	142	104	0.01	ug/l	# 43
11) Tert butyl alcohol	4.81	59	73	0.08	ug/l	# 72
12) 1,1-Dichloroethene	3.74	96	274	0.02	ug/l	# 51
13) Acrolein	3.63	56	31	0.04	ug/l	# 1
14) Allyl chloride	4.33	41	642	0.03	ug/l	# 41
15) Acrylonitrile	5.00	53	60	0.01	ug/l	# 1
16) Acetone	3.81	43	703	Below Cal		91
17) Carbon Disulfide	4.06	76	5820	Below Cal	#	90
18) Methyl Acetate	4.34	43	20631	1.13	ug/l	# 78
20) Methylene Chloride	4.55	84	1642	Below Cal		92
21) trans-1,2-Dichloroethene	5.04	96	316	0.02	ug/l	# 55
22) Diisopropyl ether	5.97	45	60	0.00	ug/l	# 76
23) Vinyl Acetate	5.91	43	350	0.01	ug/l	# 72
24) 1,1-Dichloroethane	5.88	63	62	0.00	ug/l	# 83
25) 2-Butanone	6.84	43	187	0.04	ug/l	# 47
26) 2,2-Dichloropropane	6.83	77	444	0.02	ug/l	# 52
27) cis-1,2-Dichloroethene	6.83	96	117	0.01	ug/l	# 1
28) Bromochloromethane	7.20	49	202	0.02	ug/l	# 11
29) Tetrahydrofuran	7.23	42	277	0.08	ug/l	# 60
30) Chloroform	7.38	83	400	0.01	ug/l	# 18
31) Cyclohexane	7.66	56	21677	0.79	ug/l	# 1
32) 1,1,1-Trichloroethane	7.65	97	85	0.00	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	78641	3.68	ug/l	# 48
37) Ethyl Acetate	6.92	43	203	0.02	ug/l	# 68
38) Carbon Tetrachloride	7.67	117	102297	4.58	ug/l	# 16
39) Methylcyclohexane	9.07	83	496	0.02	ug/l	# 45
40) Benzene	8.04	78	1142	0.02	ug/l	95

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Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

Quant Time: Jul 14 01:38:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Methacrylonitrile	7.18	41	107	0.01	ug/l #	1
42) 1,2-Dichloroethane	8.14	62	141	0.01	ug/l #	74
43) Isopropyl Acetate	8.27	43	278347	12.24	ug/l #	62
44) Trichloroethene	8.84	130	99	0.01	ug/l	52
45) 1,2-Dichloropropane	9.12	63	33	0.00	ug/l #	44
46) Dibromomethane	9.22	93	33	0.00	ug/l #	26
47) Bromodichloromethane	9.41	83	71	0.00	ug/l #	26
48) Methyl methacrylate	9.19	41	489	0.04	ug/l #	12
49) 1,4-Dioxane	9.22	88	31	0.21	ug/l #	1
51) 4-Methyl-2-Pentanone	9.93	43	410	0.03	ug/l #	35
52) Toluene	10.17	92	932	0.02	ug/l #	74
53) t-1,3-Dichloropropene	10.38	75	492	0.02	ug/l #	56
54) cis-1,3-Dichloropropene	9.83	75	226	0.01	ug/l #	42
55) 1,1,2-Trichloroethane	10.56	97	1409	Below	Cal #	22
56) Ethyl methacrylate	10.43	69	29	0.00	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	162	0.01	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.70	63	65	0.01	ug/l #	48
59) 2-Hexanone	10.77	43	979	0.12	ug/l	95
60) Dibromochloromethane	10.65	129	121	0.01	ug/l #	11
64) Tetrachloroethene	10.63	164	436	0.03	ug/l #	60
65) Chlorobenzene	11.43	112	1274	0.03	ug/l #	45
67) Ethyl Benzene	11.51	91	1166	0.02	ug/l #	81
68) m/p-Xylenes	11.63	106	988	0.04	ug/l #	47
69) o-Xylene	11.95	106	216	0.01	ug/l #	1
70) Styrene	11.97	104	1083	0.03	ug/l #	49
71) Bromoform	12.40	173	5929	0.59	ug/l #	1
73) Isopropylbenzene	12.41	105	976	0.02	ug/l	88
74) N-amyl acetate	12.09	43	112	0.01	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.50	83	135	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	321717	33.85	ug/l #	100
77) Bromobenzene	12.53	156	467	0.04	ug/l #	1
78) n-propylbenzene	12.59	91	1738	0.03	ug/l	95
79) 2-Chlorotoluene	12.68	91	870	0.03	ug/l	72
80) 1,3,5-Trimethylbenzene	12.73	105	918	0.03	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	321717	109.31	ug/l #	13
82) 4-Chlorotoluene	12.78	91	2085	0.07	ug/l	80
83) tert-Butylbenzene	13.00	119	607	0.02	ug/l	90
84) 1,2,4-Trimethylbenzene	13.05	105	1219	0.03	ug/l	77
85) sec-Butylbenzene	13.18	105	979	0.02	ug/l #	72
86) p-Isopropyltoluene	13.29	119	1126	0.03	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	869	0.04	ug/l #	39
88) 1,4-Dichlorobenzene	13.36	146	2464	0.12	ug/l #	1
89) n-Butylbenzene	13.61	91	689	0.02	ug/l #	72
90) Hexachloroethane	13.89	117	66	Below	Cal #	4
91) 1,2-Dichlorobenzene	13.66	146	1622	0.08	ug/l	66
92) 1,2-Dibromo-3-Chloropropan	14.29	75	135	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1463	3.02	ug/l	67
94) Hexachlorobutadiene	15.02	225	667	Below	Cal	76
95) Naphthalene	15.14	128	3417	4.16	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.32	180	1592	0.16	ug/l	88

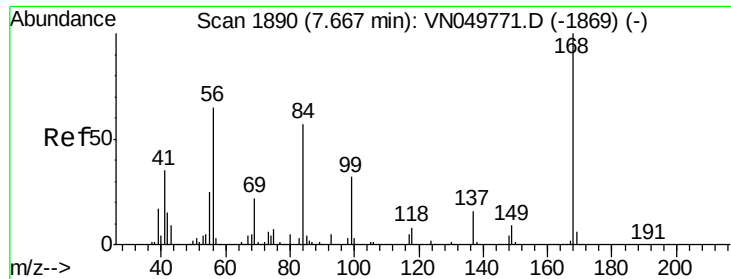
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

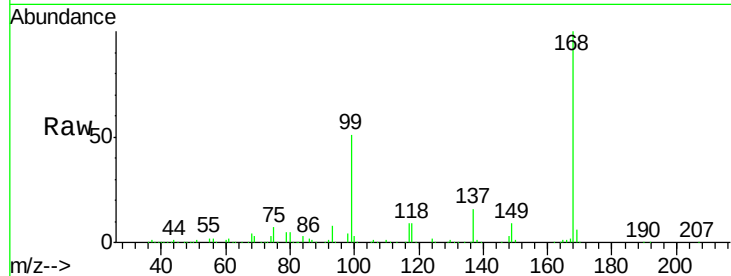
VN0713WBL02

Tot Ion:168 Resp: 1150250

Ion Ratio Lower Upper

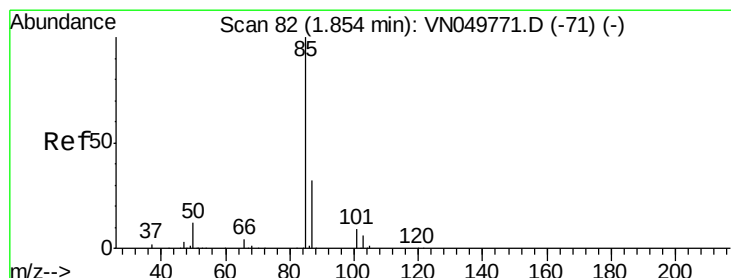
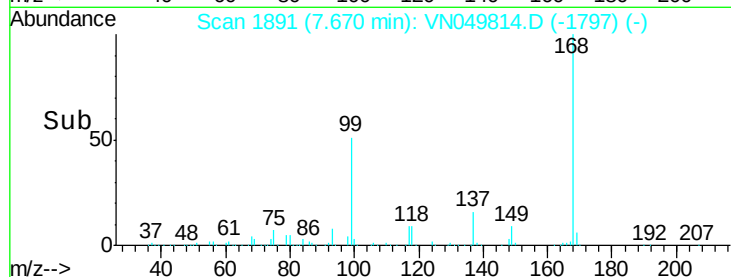
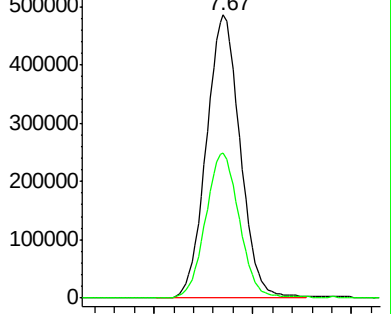
168 100

99 51.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049814.D

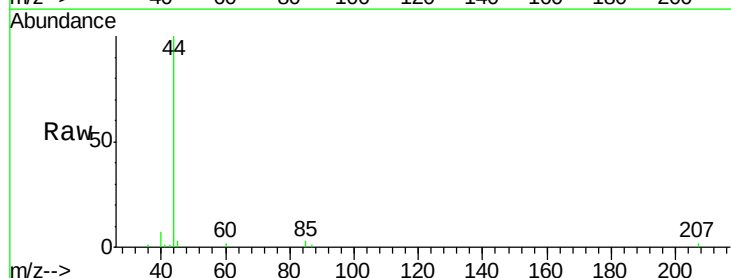
Acq: 13 Jul 2018 23:30

Tgt Ion: 85 Resp: 404

Ion Ratio Lower Upper

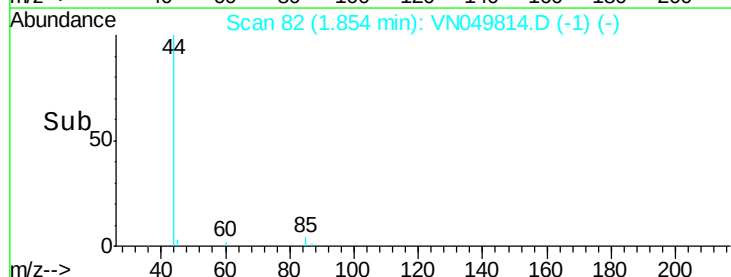
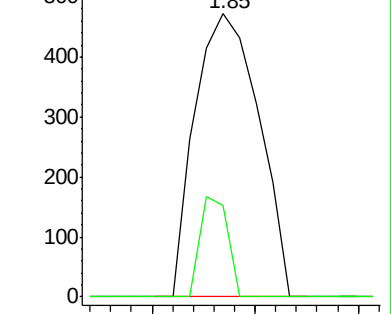
85 100

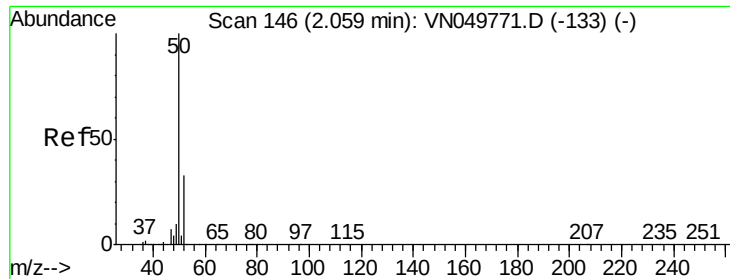
87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 147

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

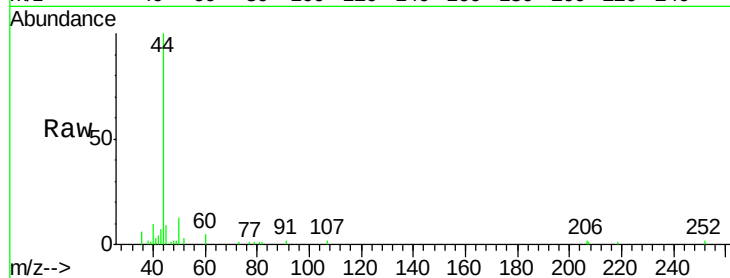
VN0713WBL02

Tot Ion: 50 Resp: 2080

Ion Ratio Lower Upper

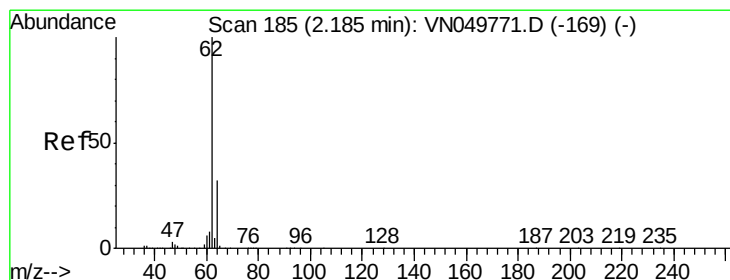
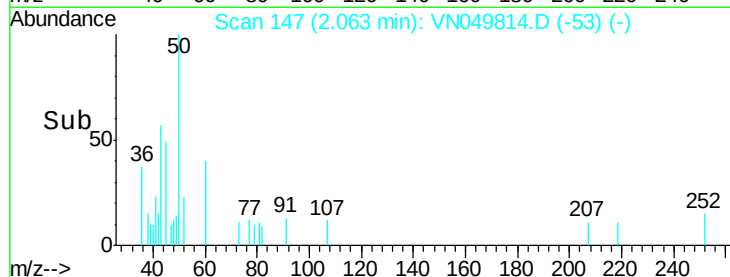
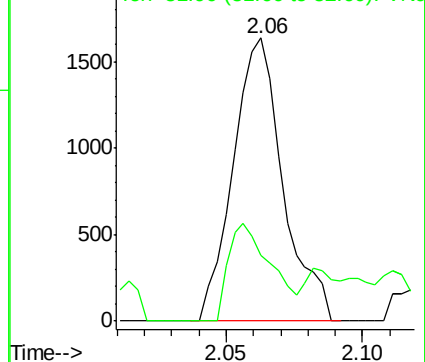
50 100

52 23.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 183

Delta R.T. -0.01 min

Lab File: VN049814.D

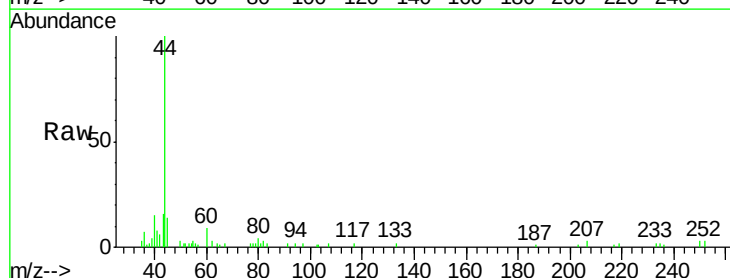
Acq: 13 Jul 2018 23:30

Tgt Ion: 62 Resp: 566

Ion Ratio Lower Upper

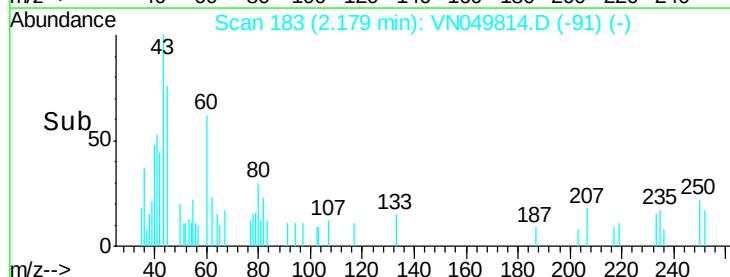
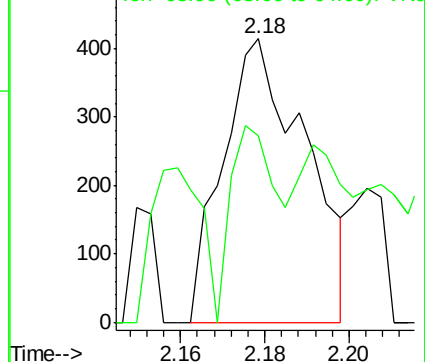
62 100

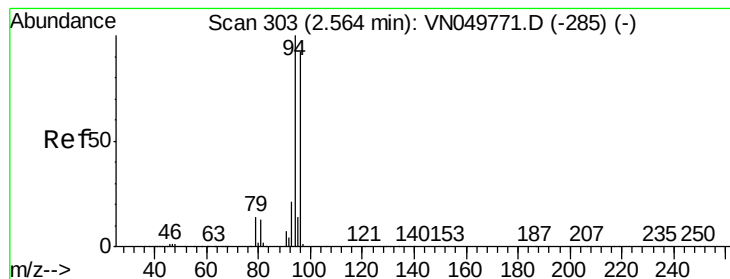
64 19.1 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 309

Delta R.T. 0.02 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

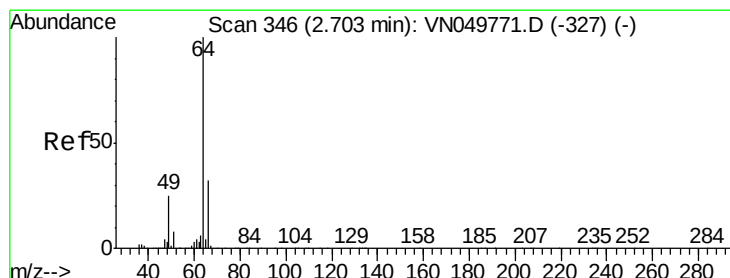
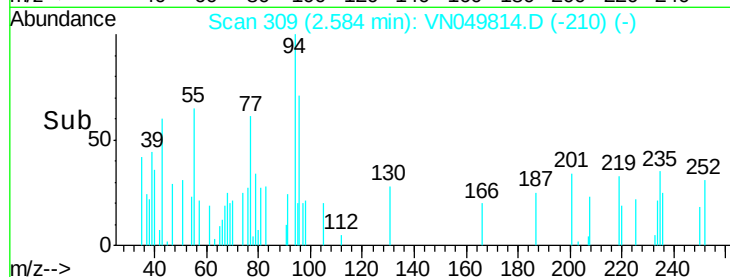
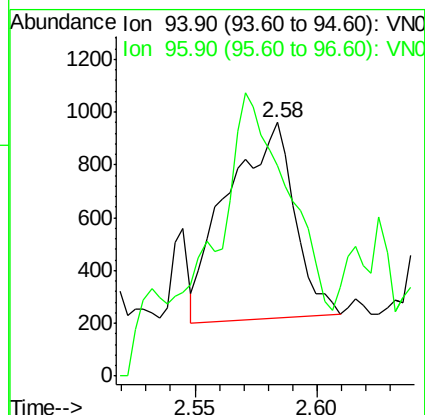
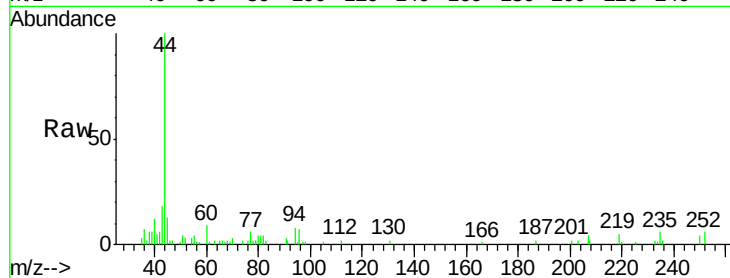
VN0713WBL02

Tot Ion: 94 Resp: 1412

Ion Ratio Lower Upper

94 100

96 63.7 75.7 113.5#



#6

Chloroethane

Concen: 0.07 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049814.D

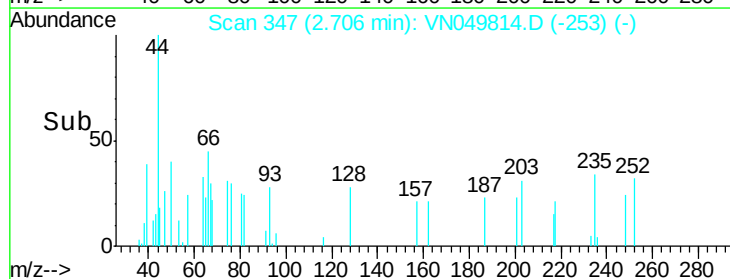
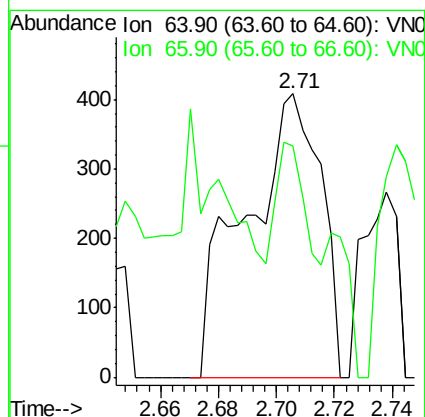
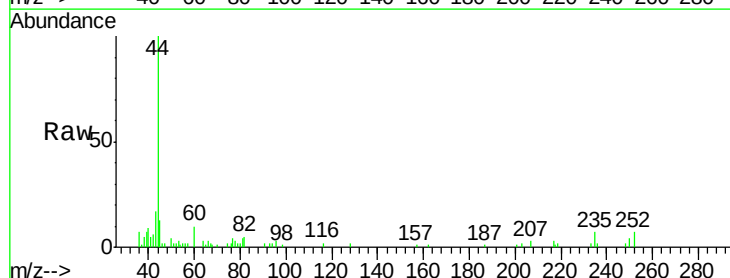
Acq: 13 Jul 2018 23:30

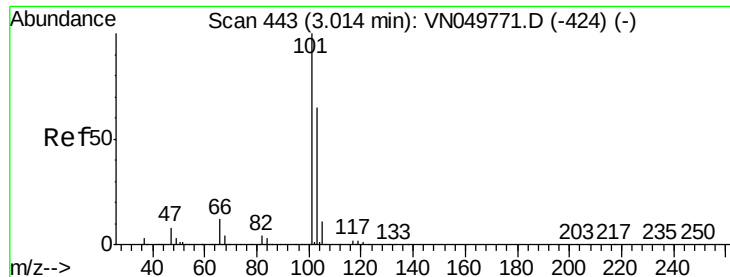
Tgt Ion: 64 Resp: 740

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

Trichlorofluoromethane

Concen: 0.02 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

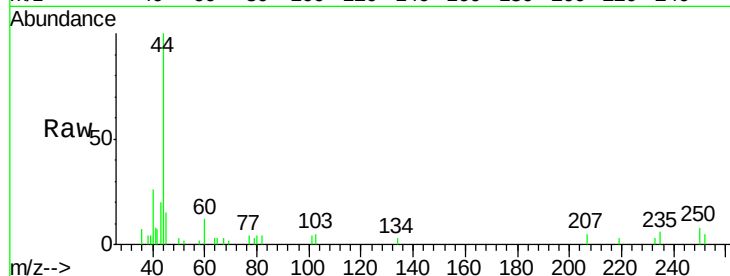
VN0713WBL02

Tot Ion:101 Resp: 363

Ion Ratio Lower Upper

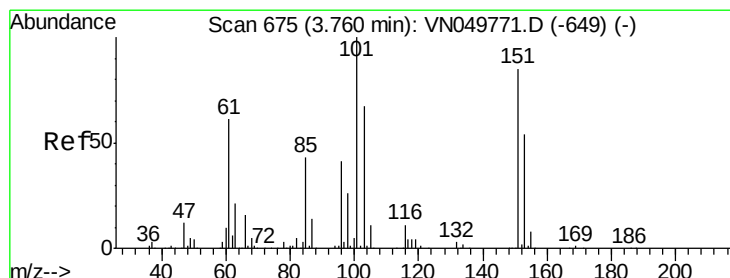
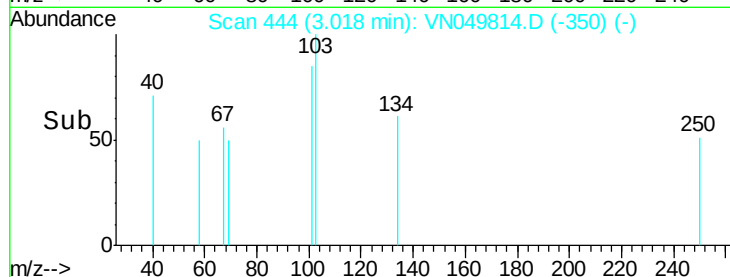
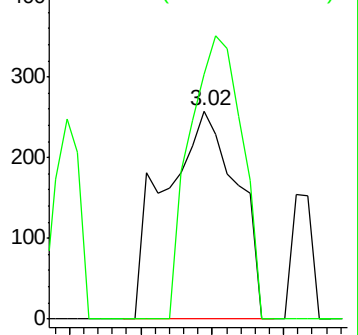
101 100

103 117.4 52.8 79.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.01 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

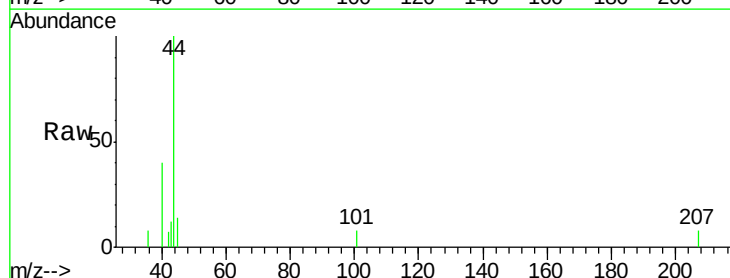
Tgt Ion:101 Resp: 136

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

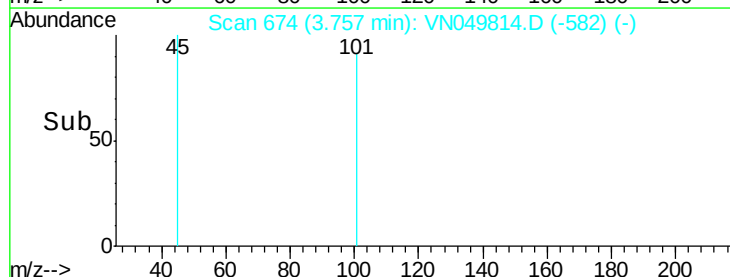
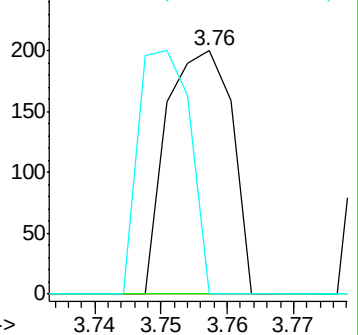
151 79.4 66.2 99.4

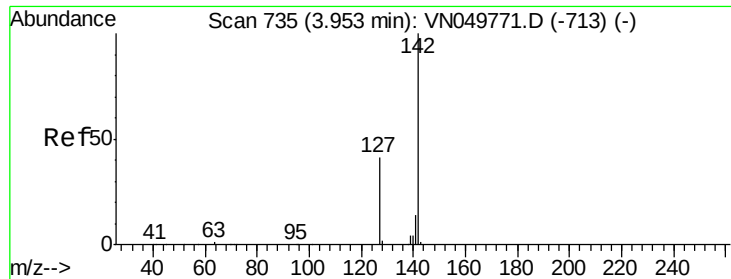


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

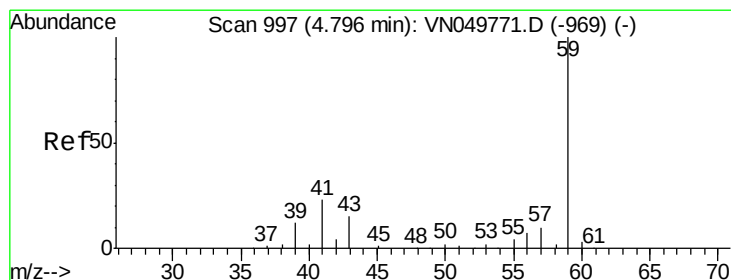
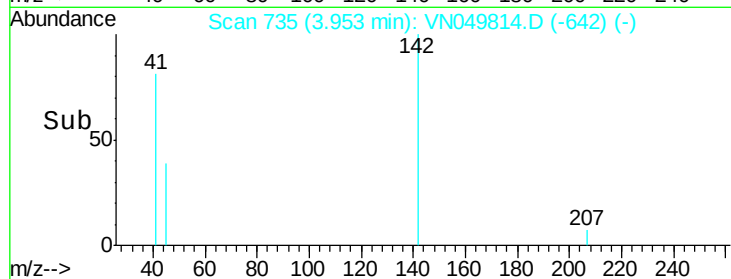
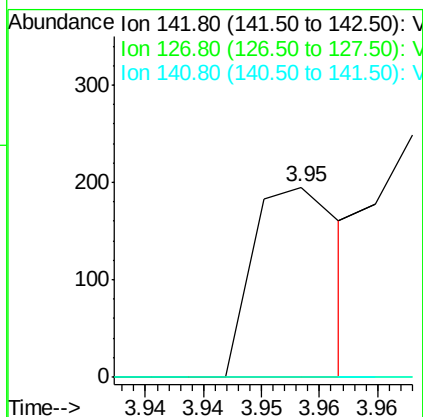
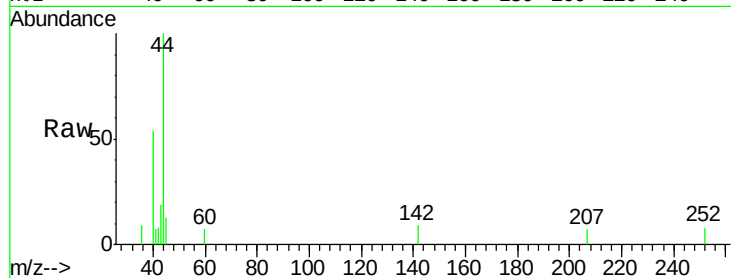




#10
Methvl Iodide
Concen: 0.01 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

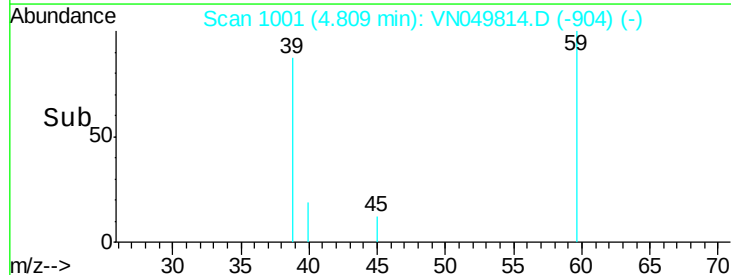
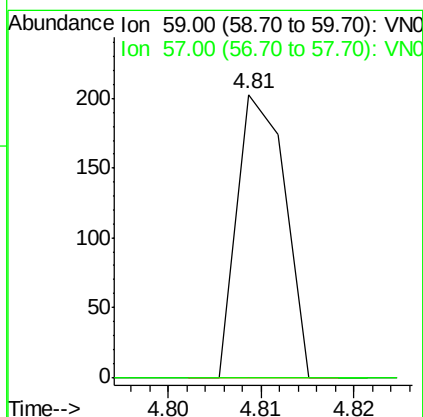
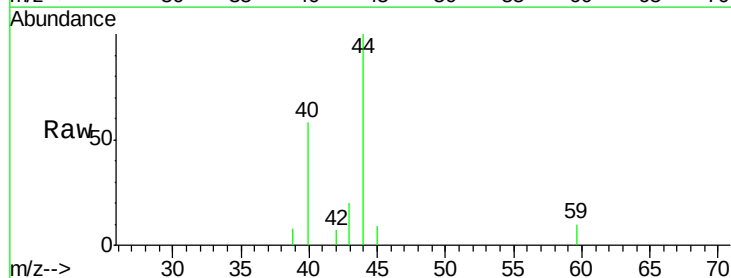
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

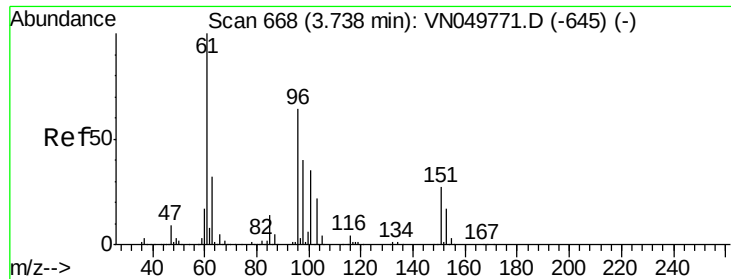
Tot Ion:142 Resp: 104
Ion Ratio Lower Upper
142 100
127 0.0 32.5 48.7#
141 0.0 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.08 ug/l
RT: 4.81 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

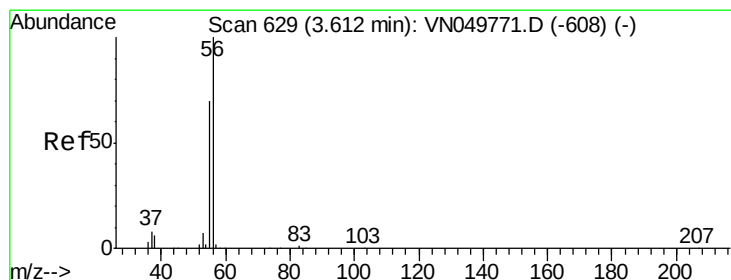
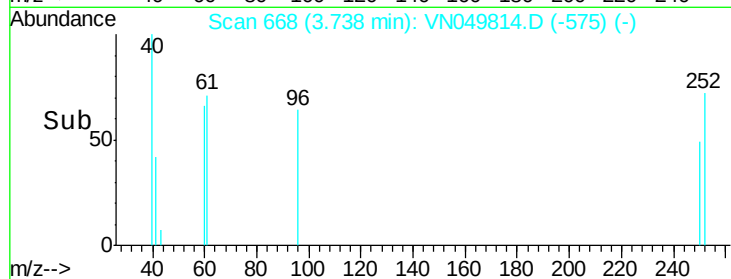
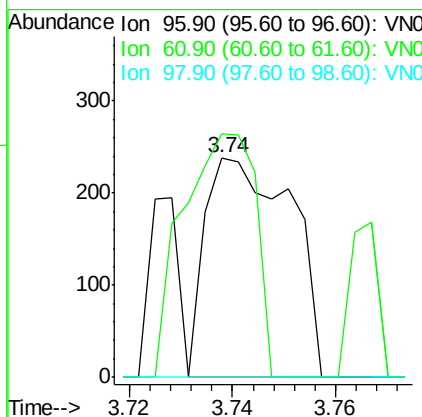
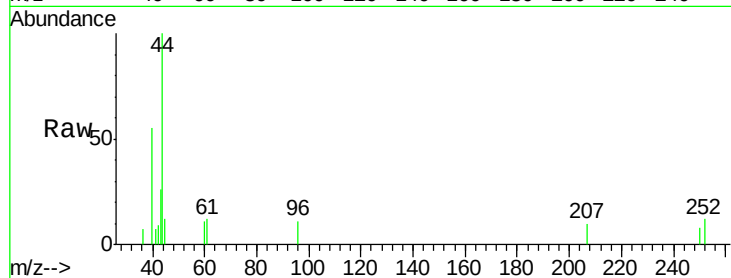




#12
 1,1-Dichloroethene
 Concen: 0.02 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

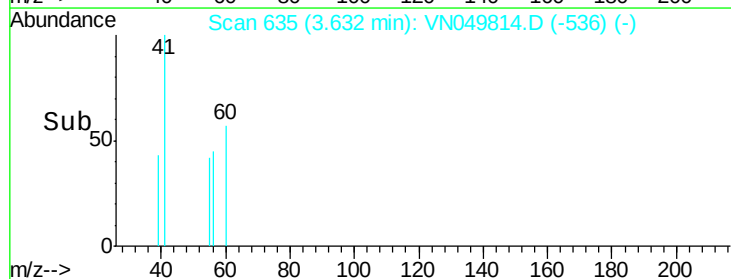
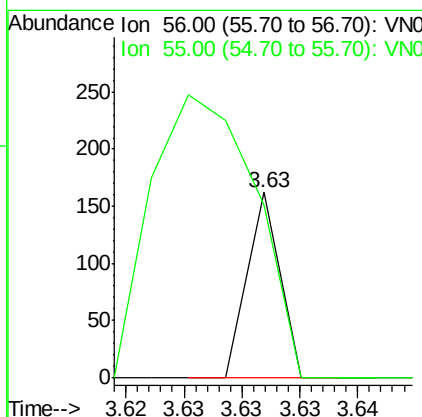
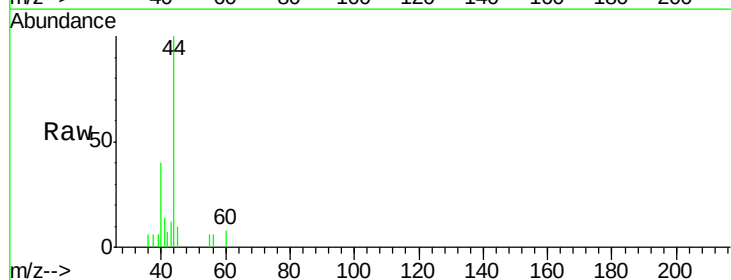
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

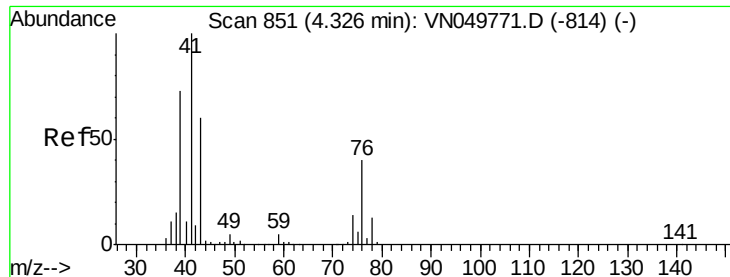
Tot Ion: 96 Resp: 274
 Ion Ratio Lower Upper
 96 100
 61 110.9 126.5 189.7#
 98 0.0 51.0 76.6#



#13
 Acrolein
 Concen: 0.04 ug/l
 RT: 3.63 min Scan# 635
 Delta R.T. 0.02 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Tgt Ion: 56 Resp: 31
 Ion Ratio Lower Upper
 56 100
 55 496.8 55.8 83.8#

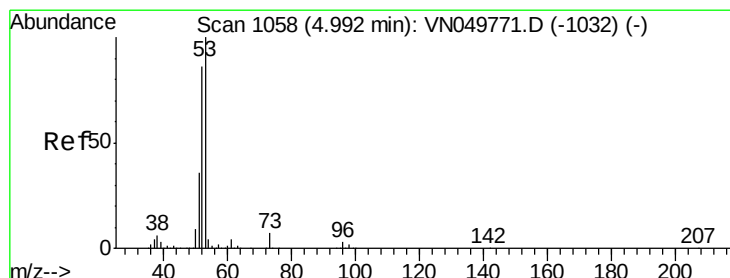
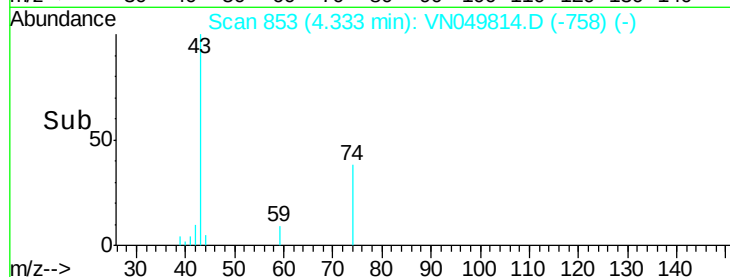
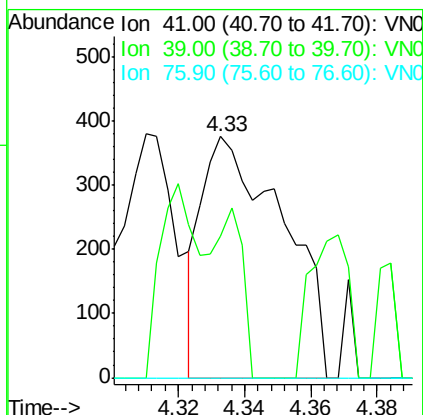
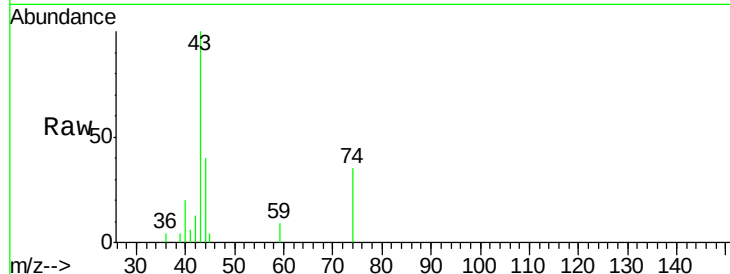




#14
Allvl chloride
Concen: 0.03 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

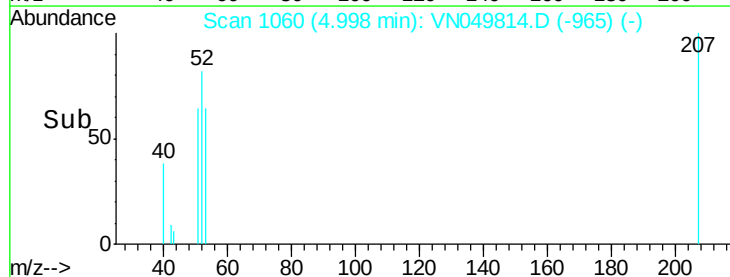
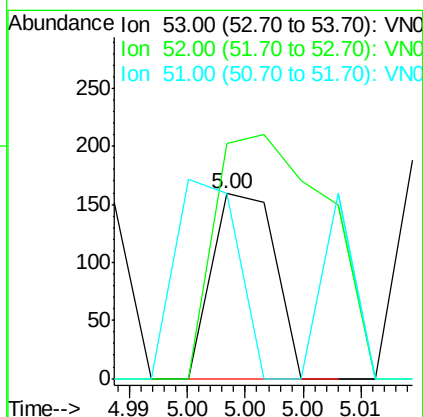
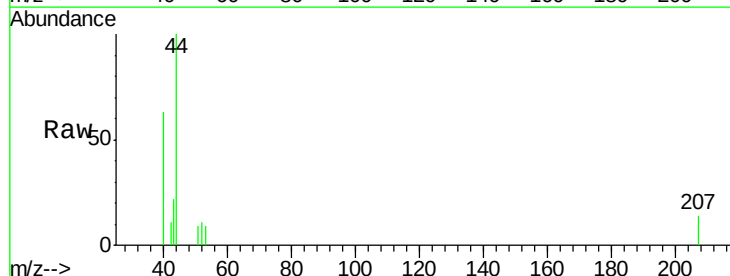
Instrument :
MSVOA_N
ClientSampled :
VN0713WBL02

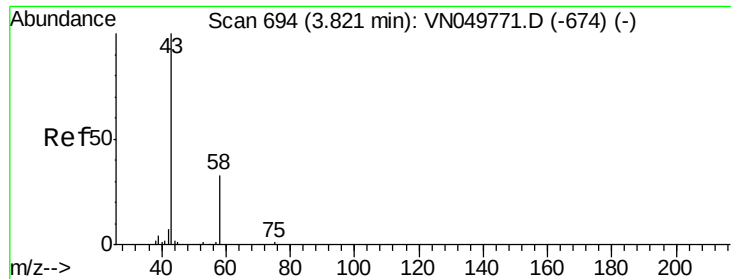
Tot Ion: 41 Resp: 642
Ion Ratio Lower Upper
41 100
39 20.7 53.2 79.8#
76 0.0 29.0 43.6#



#15
Acrylonitrile
Concen: 0.01 ug/l
RT: 5.00 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 53 Resp: 60
Ion Ratio Lower Upper
53 100
52 236.7 64.8 97.2#
51 106.7 28.9 43.3#

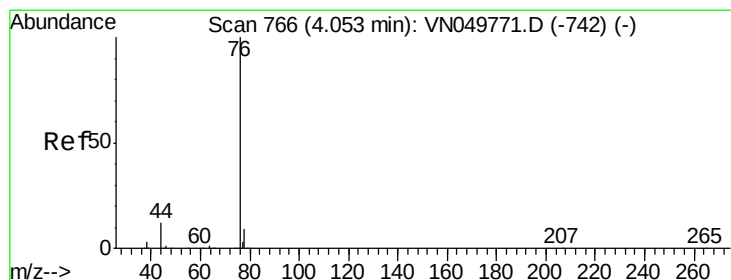
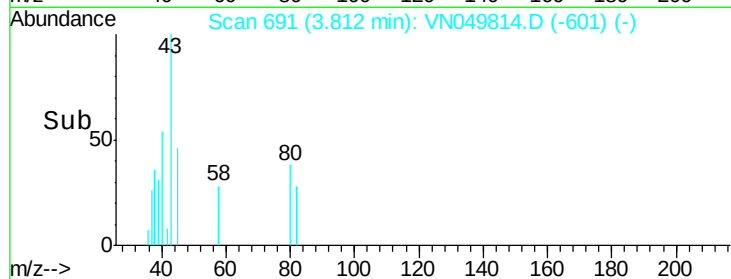
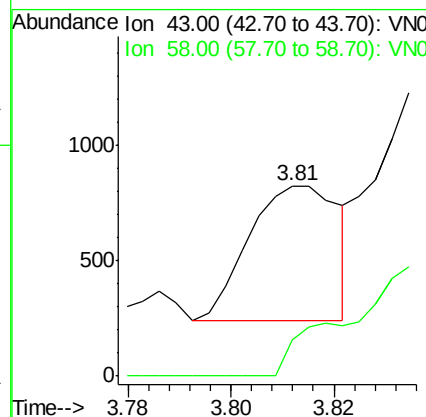
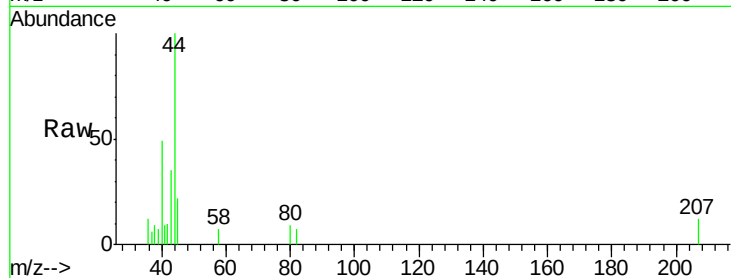




#16
Acetone
Concen: Below Cal
RT: 3.81 min Scan# 691
Delta R.T. -0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

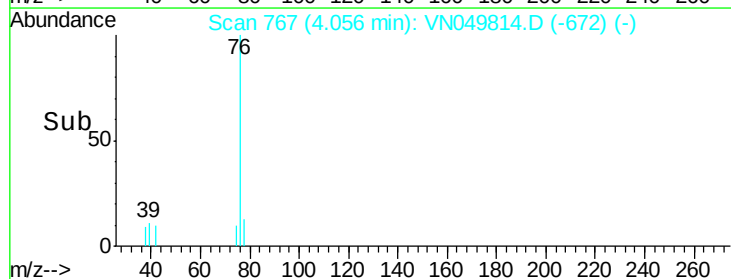
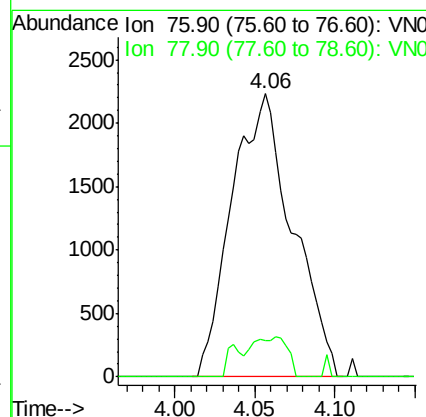
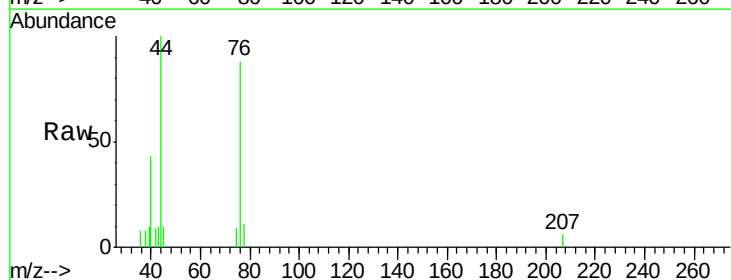
Instrument :
MSVOA_N
ClientSampled :
VN0713WBL02

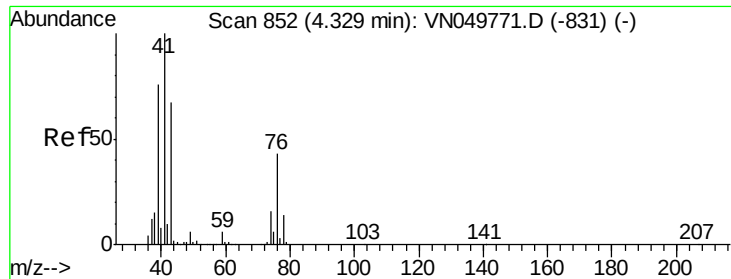
Tot Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 27.5 25.9 38.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.06 min Scan# 767
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 76 Resp: 5820
Ion Ratio Lower Upper
76 100
78 12.7 7.1 10.7#

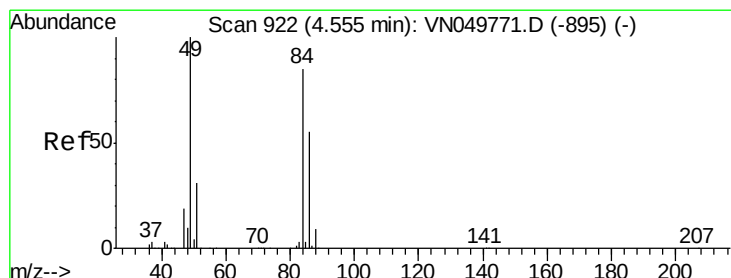
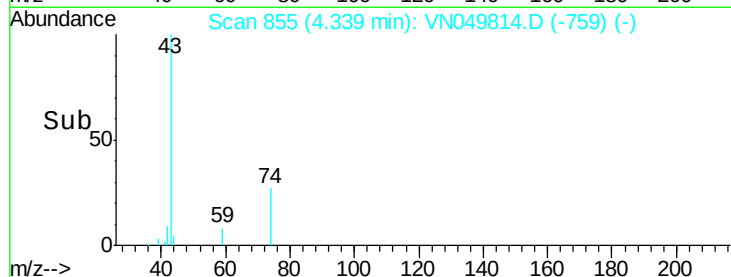
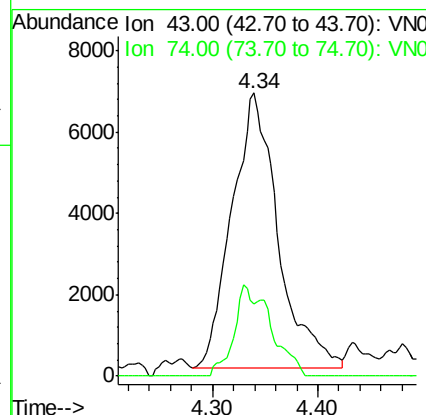
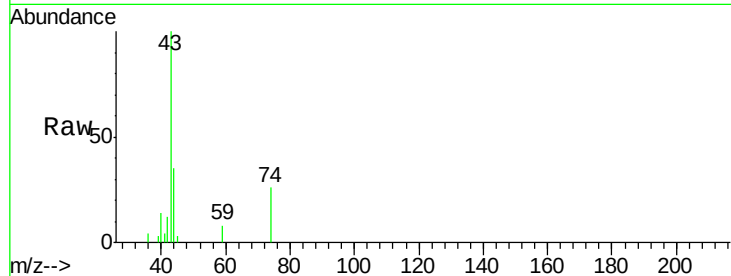




#18
Methvl Acetate
Concen: 1.13 ua/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

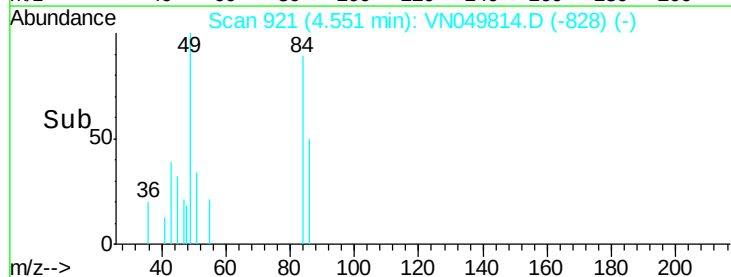
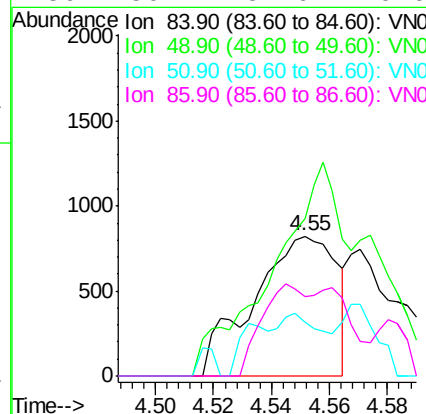
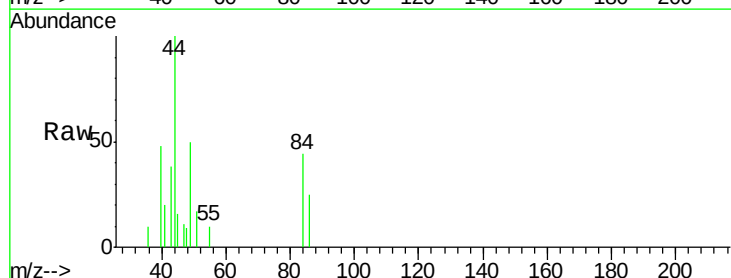
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

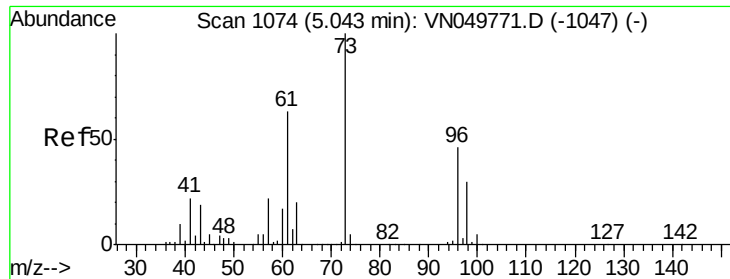
Tot Ion: 43 Resp: 20631
Ion Ratio Lower Upper
43 100
74 13.6 19.8 29.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 84 Resp: 1642
Ion Ratio Lower Upper
84 100
49 112.8 95.4 143.2
51 38.7 28.4 42.6
86 56.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 0.02 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

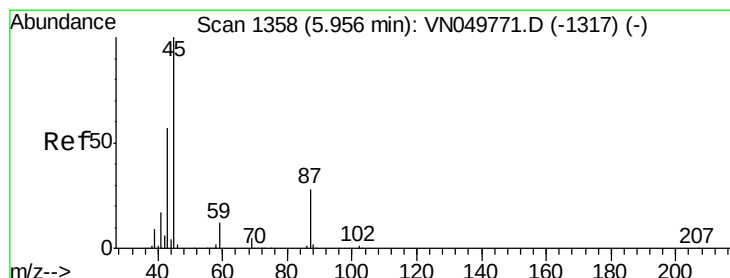
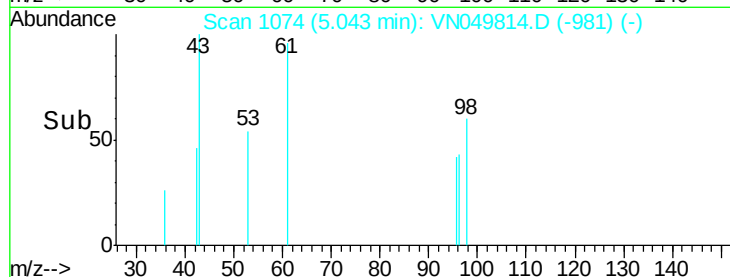
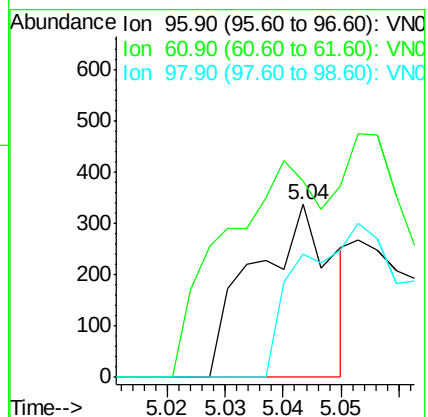
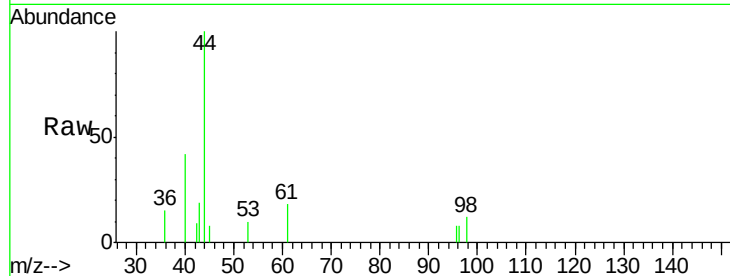
Tot Ion: 96 Resp: 316

Ion Ratio Lower Upper

96 100

61 62.9 109.0 163.6#

98 71.5 51.1 76.7



#22

Diisopropyl ether

Concen: 0.00 ug/l

RT: 5.97 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Tgt Ion: 45 Resp: 60

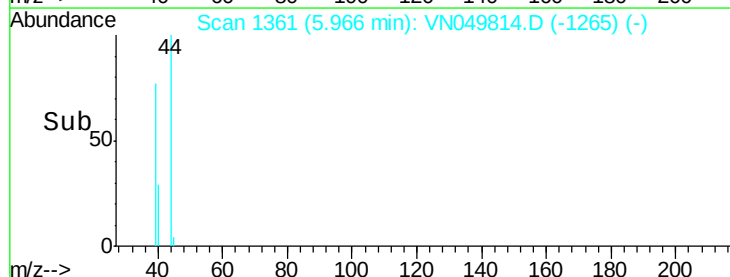
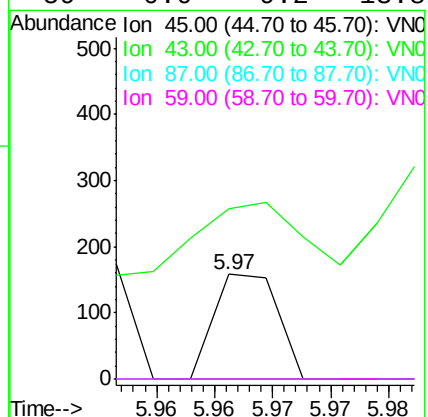
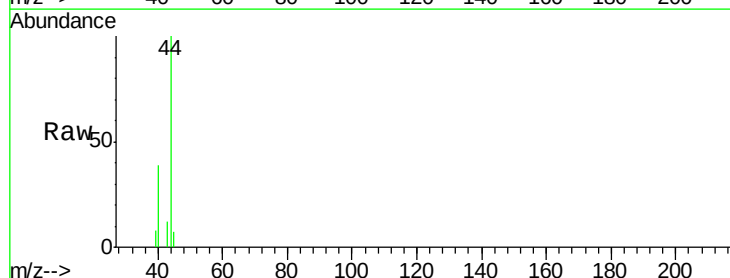
Ion Ratio Lower Upper

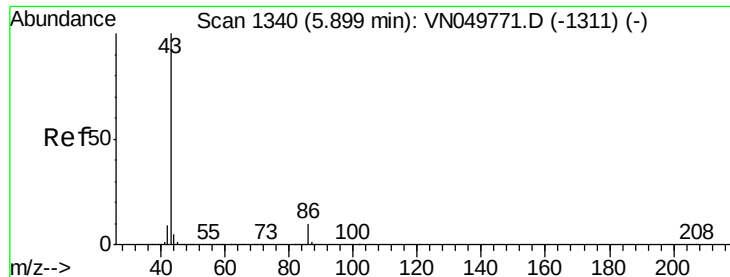
45 100

43 53.8 48.1 72.1

87 0.0 22.6 34.0#

59 0.0 9.2 13.8#

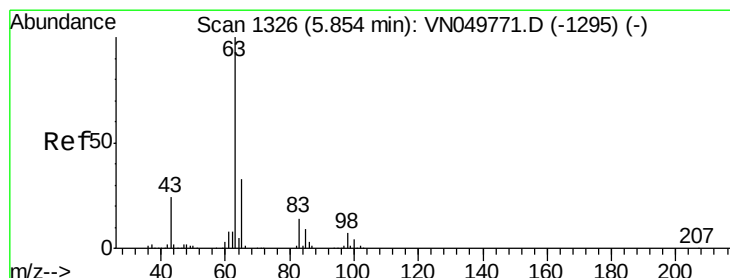
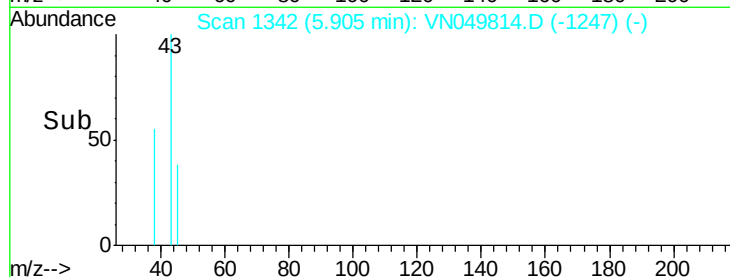
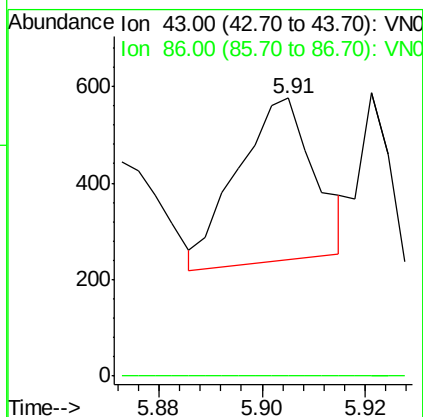
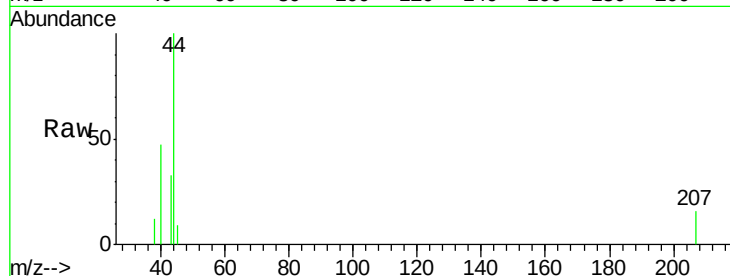




#23
 Vinyl Acetate
 Concen: 0.01 ug/l
 RT: 5.91 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

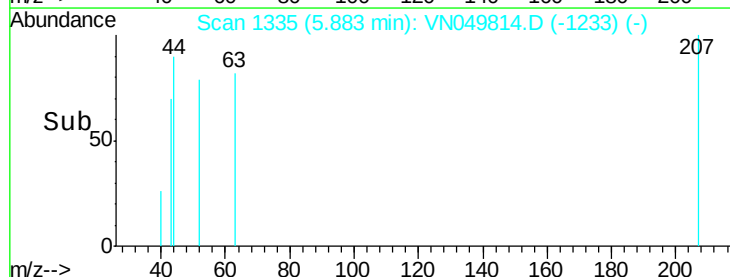
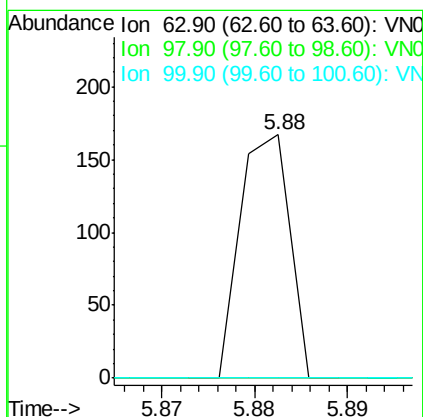
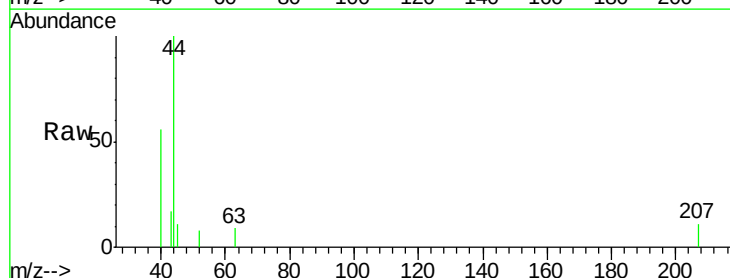
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

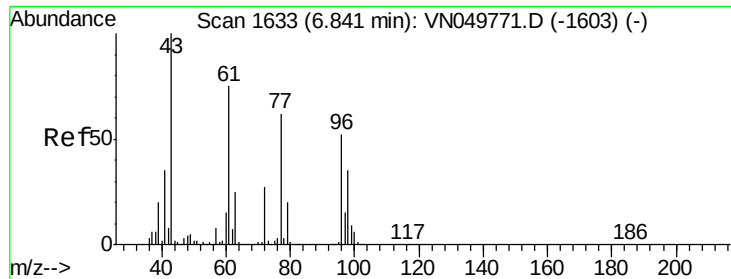
Tot Ion: 43 Resp: 350
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#24
 1,1-Dichloroethane
 Concen: 0.00 ug/l
 RT: 5.88 min Scan# 1335
 Delta R.T. 0.03 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Tgt Ion: 63 Resp: 62
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.2 6.6#

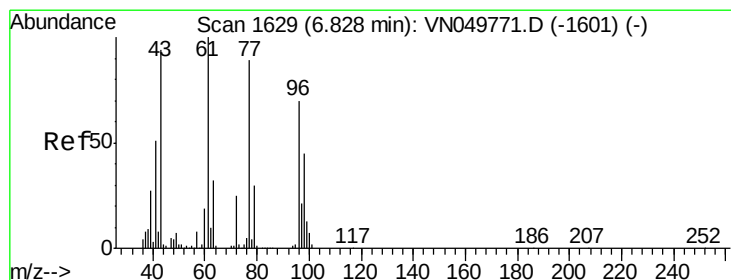
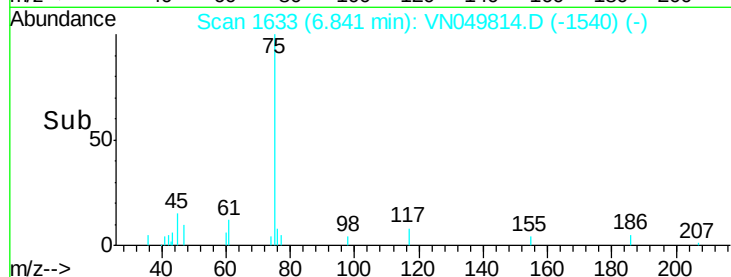
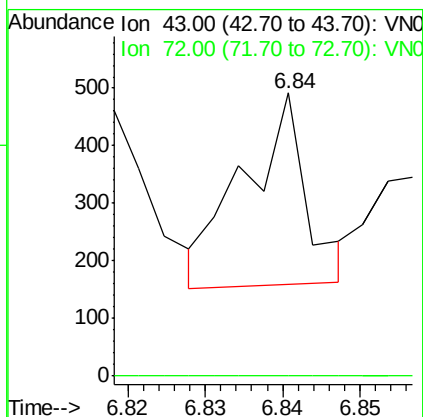
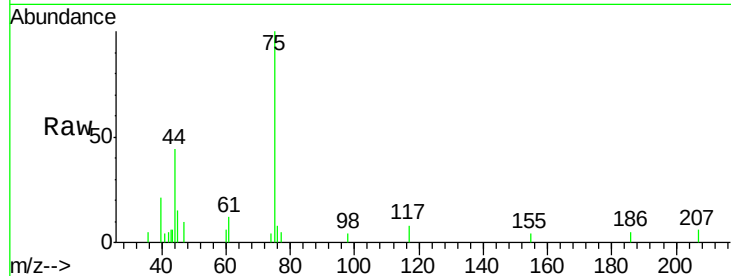




#25
2-Butanone
Concen: 0.04 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

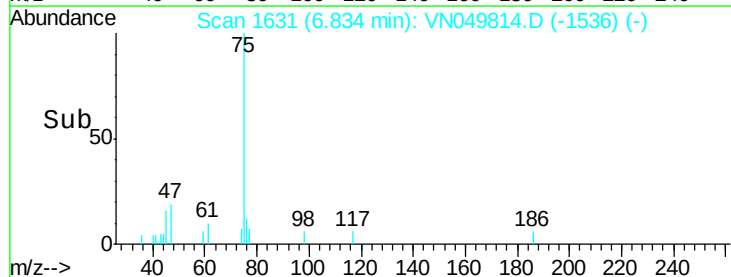
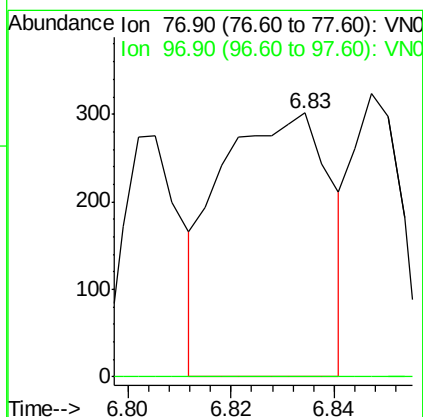
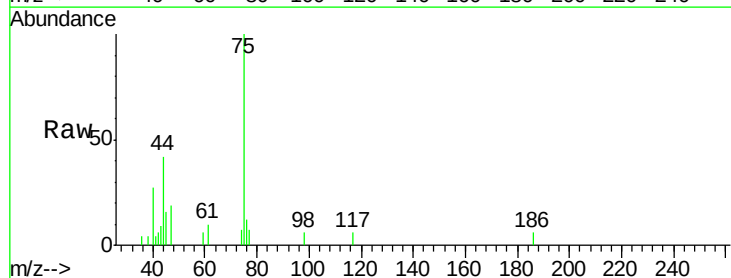
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

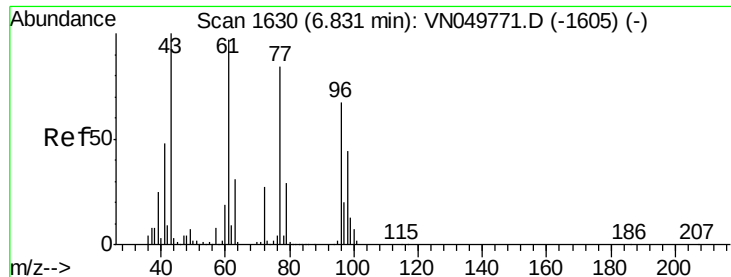
Tot Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
72 0.0 22.1 33.1#



#26
2,2-Dichloropropane
Concen: 0.02 ug/l
RT: 6.83 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 77 Resp: 444
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#





#27

cis-1,2-Dichloroethene

Concen: 0.01 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

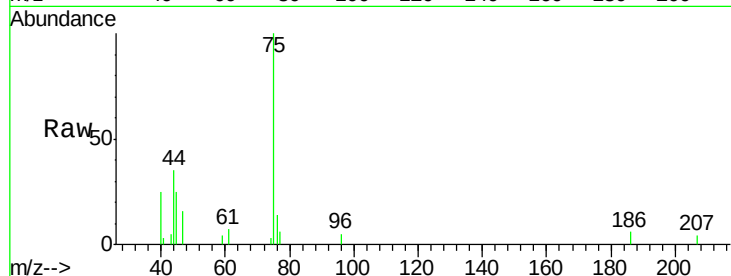
Tot Ion: 96 Resp: 117

Ion Ratio Lower Upper

96 100

61 394.9 0.0 289.0#

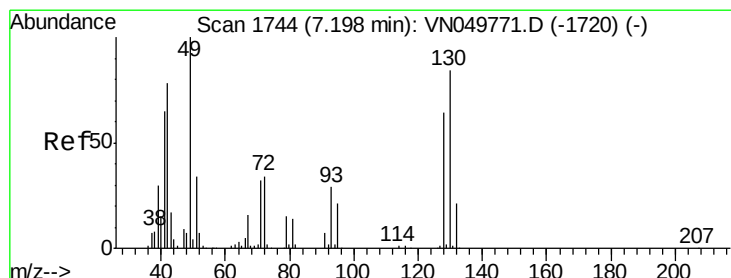
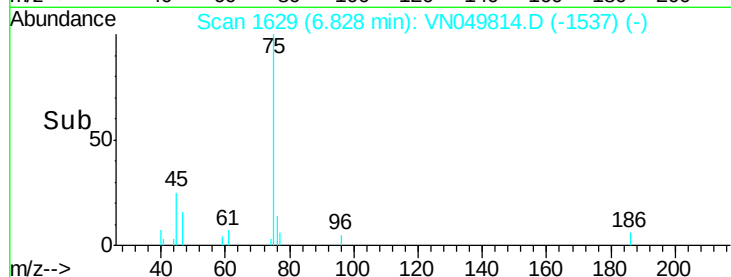
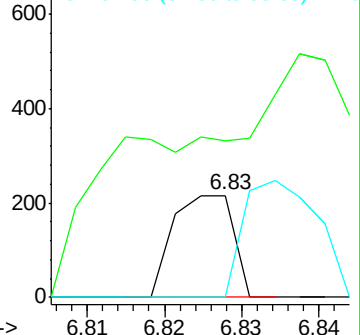
98 139.3 0.0 130.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.02 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

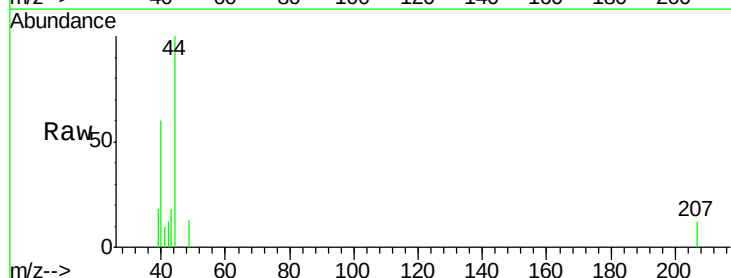
Tgt Ion: 49 Resp: 202

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

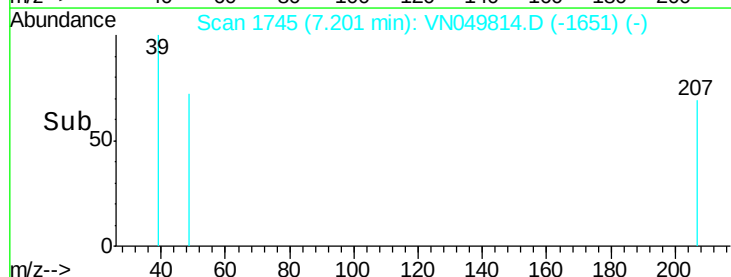
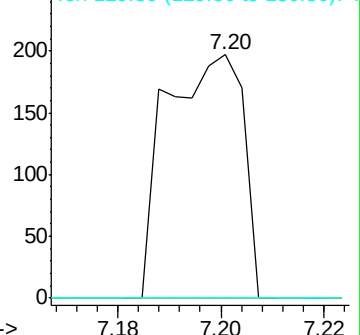
130 0.0 65.5 98.3#

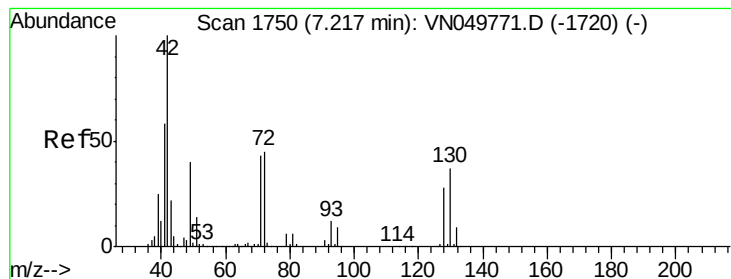


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 0.08 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

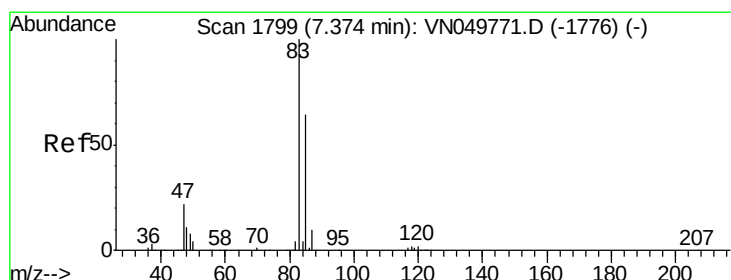
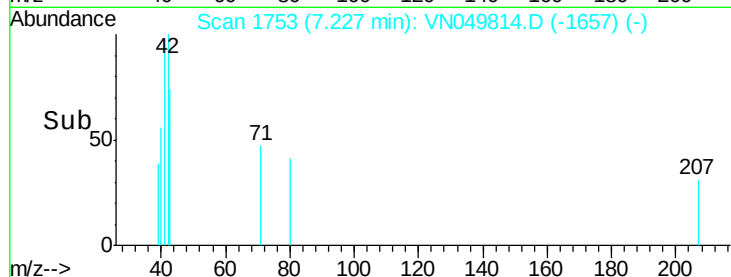
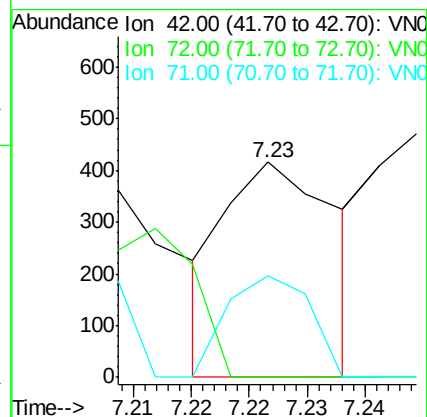
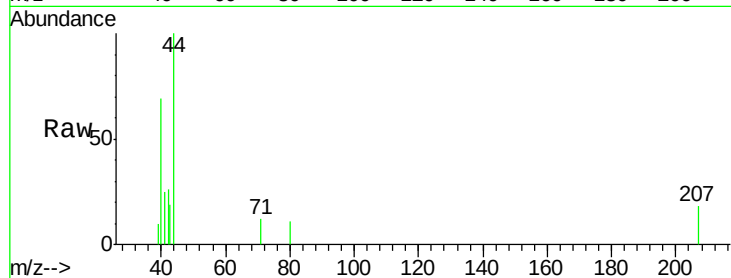
Tot Ion: 42 Resp: 277

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

71 35.4 34.0 51.0



#30

Chloroform

Concen: 0.01 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN049814.D

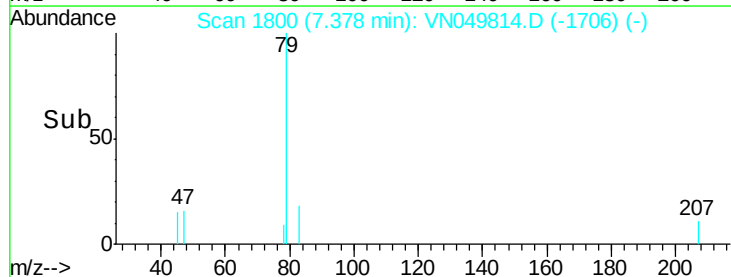
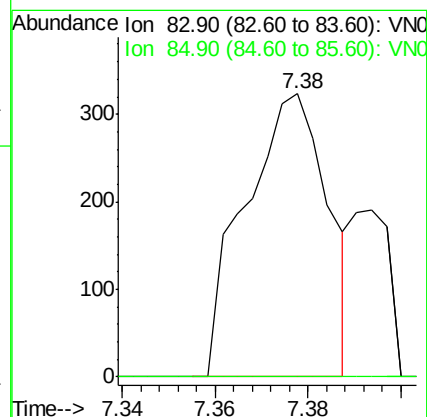
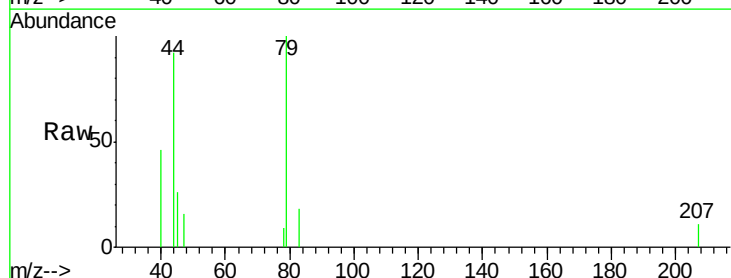
Acq: 13 Jul 2018 23:30

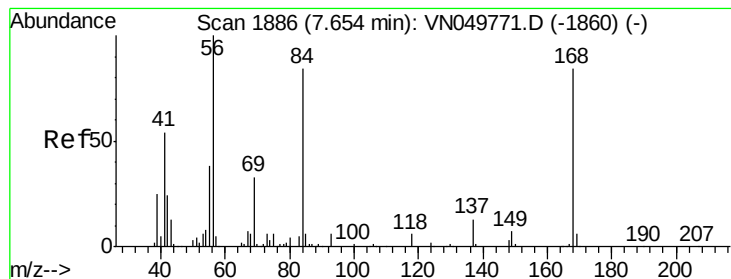
Tgt Ion: 83 Resp: 400

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.2#





#31

Cyclohexane

Concen: 0.79 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

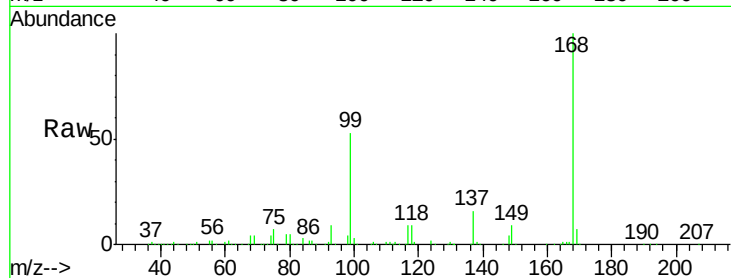
Tot Ion: 56 Resp: 21677

Ion Ratio Lower Upper

56 100

69 181.2 26.6 40.0#

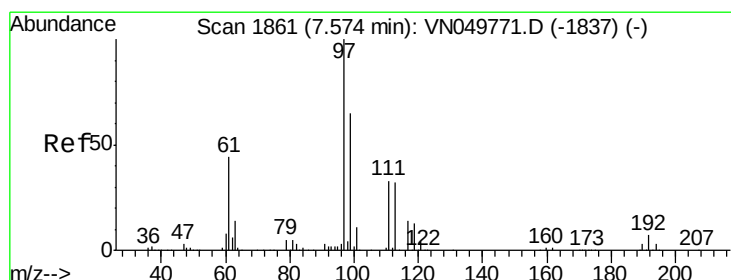
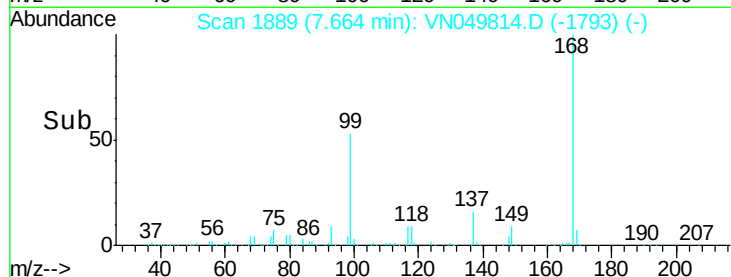
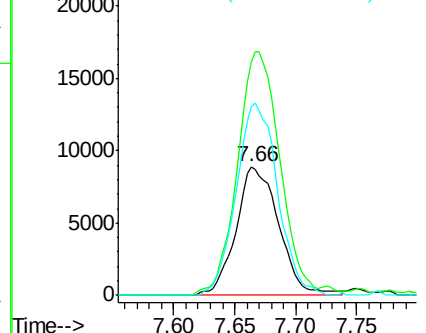
84 146.0 69.0 103.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.00 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.08 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

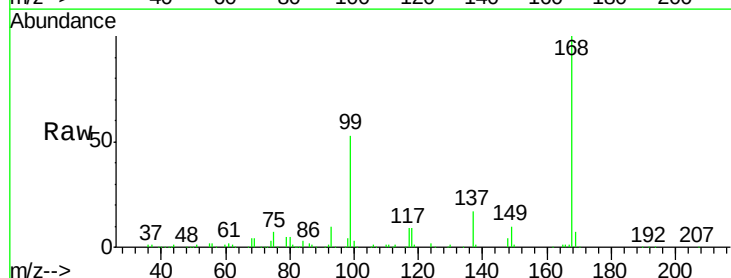
Tgt Ion: 97 Resp: 85

Ion Ratio Lower Upper

97 100

99 695418.8 51.0 76.4#

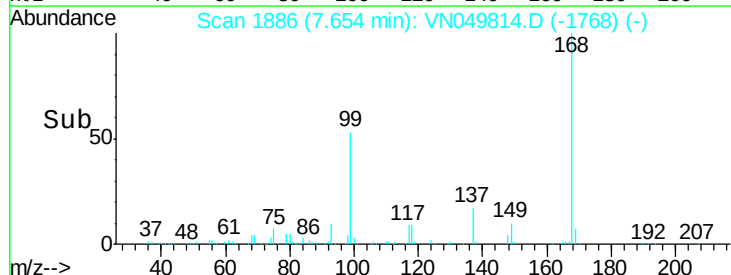
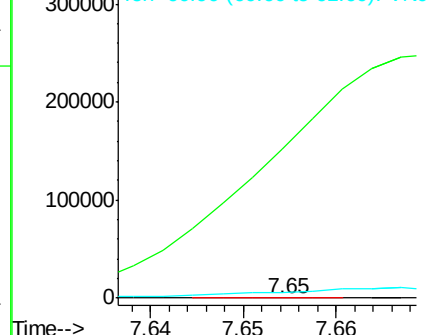
61 28591.8 35.5 53.3#

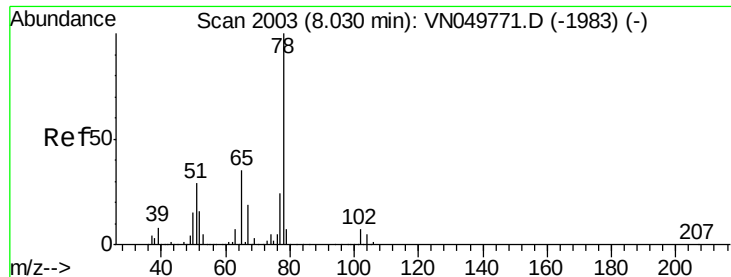


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

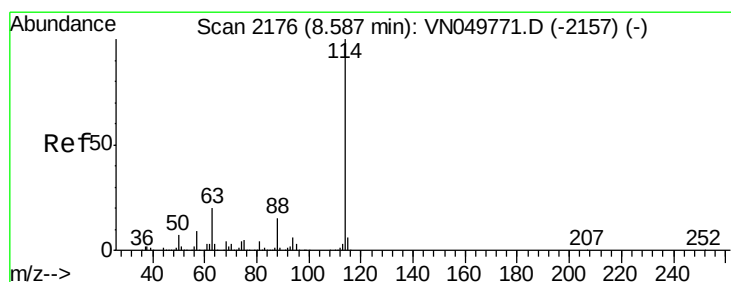
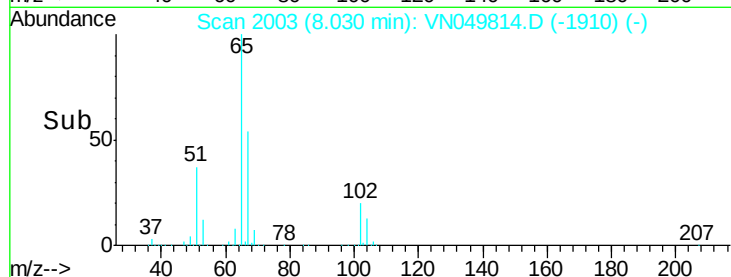
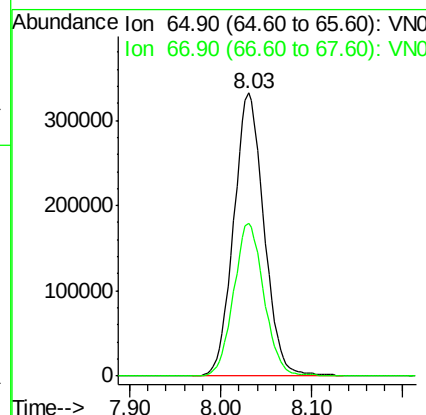
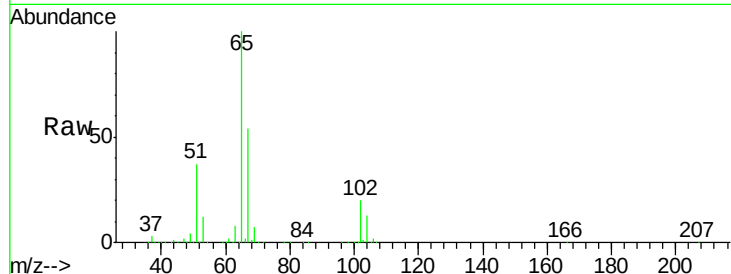




#33
 1,2-Dichloroethane-d4
 Concen: 57.42 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

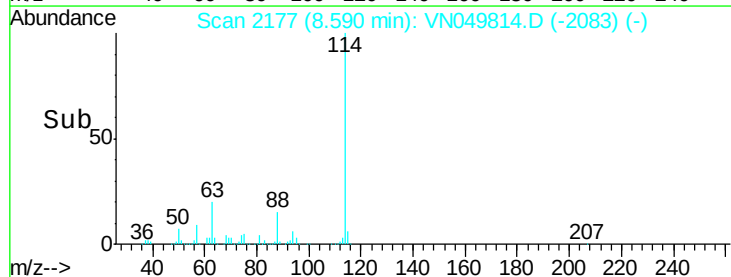
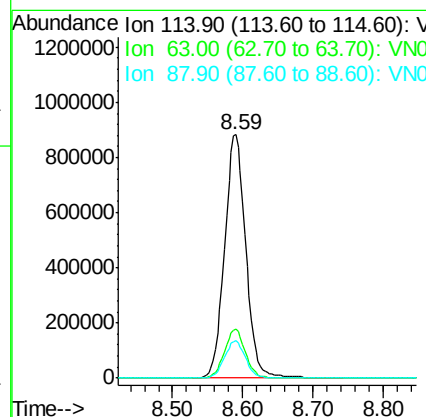
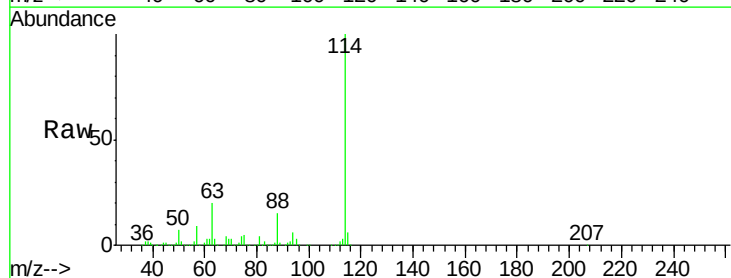
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

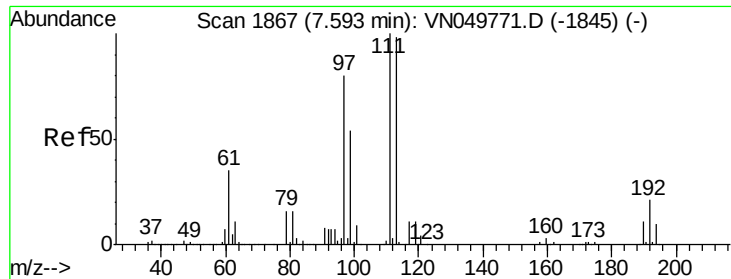
Tot Ion: 65 Resp: 768279
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Tgt Ion: 114 Resp: 1854262
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.2 0.0 30.6

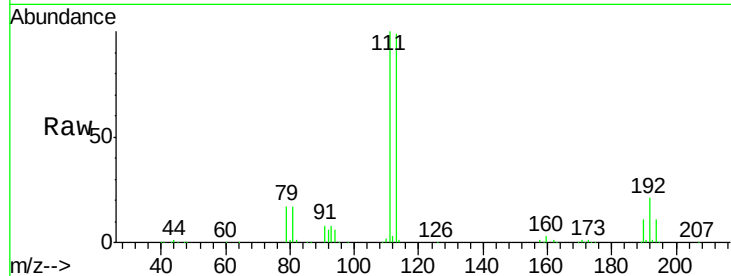




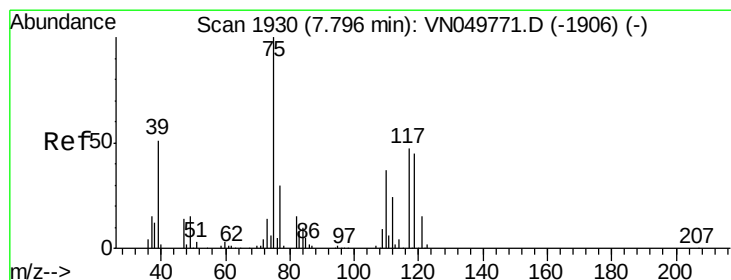
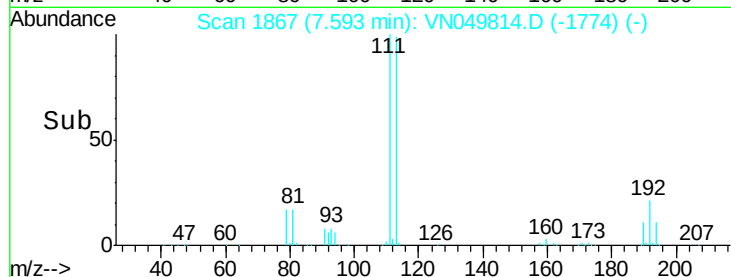
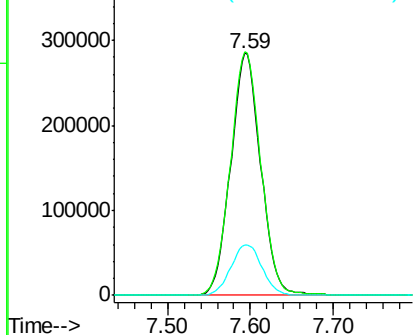
#35
Dibromofluoromethane
Concen: 51.31 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	21.7	17.8	26.6

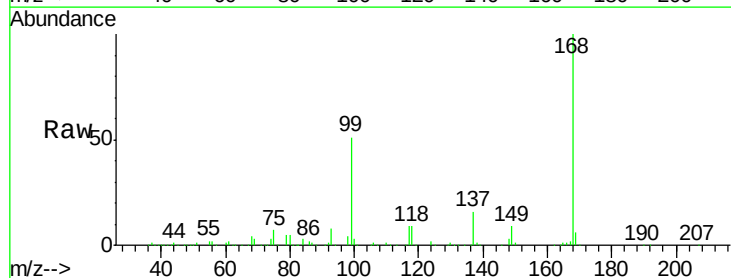


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

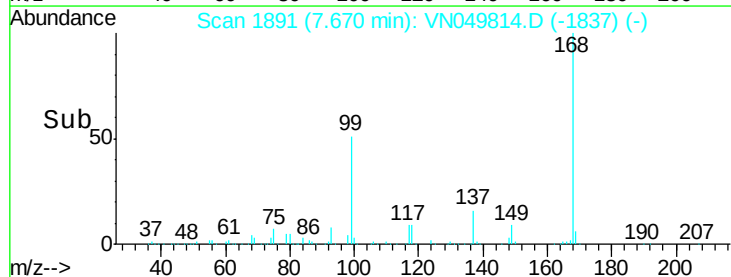
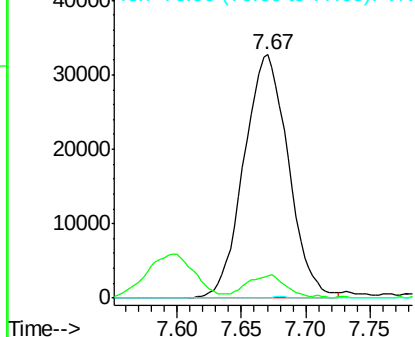


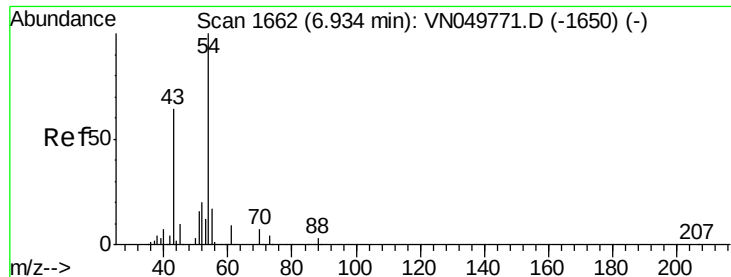
#36
1,1-Dichloropropene
Concen: 3.68 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.13 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	18.1	54.4#
77	0.1	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

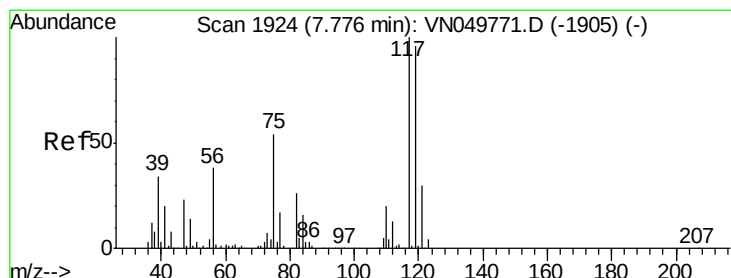
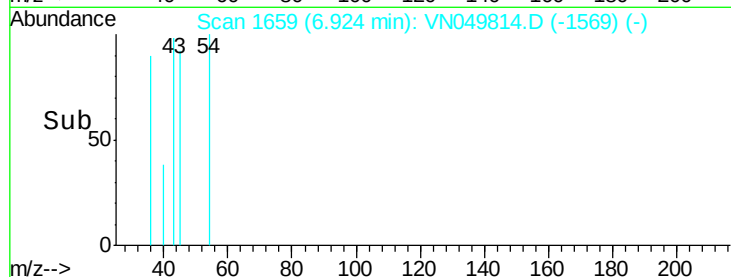
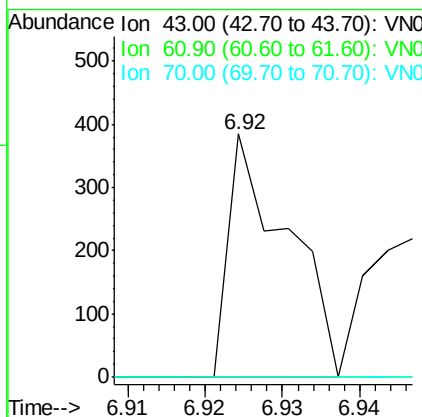
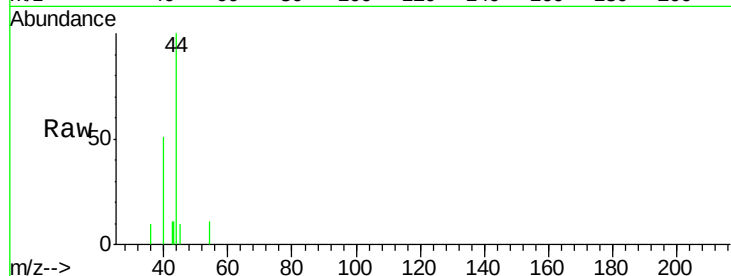




#37
Ethyl Acetate
Concen: 0.02 ug/l
RT: 6.92 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

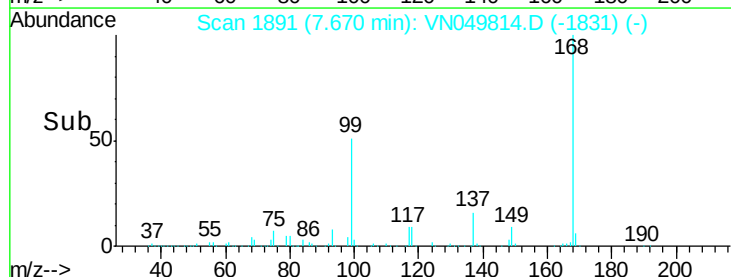
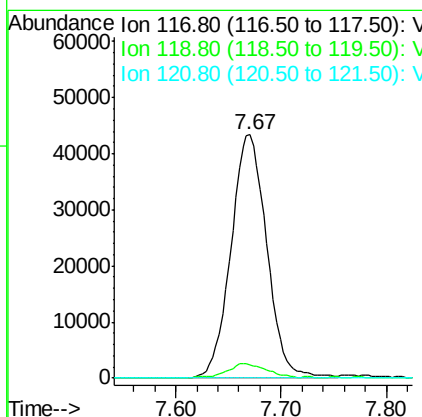
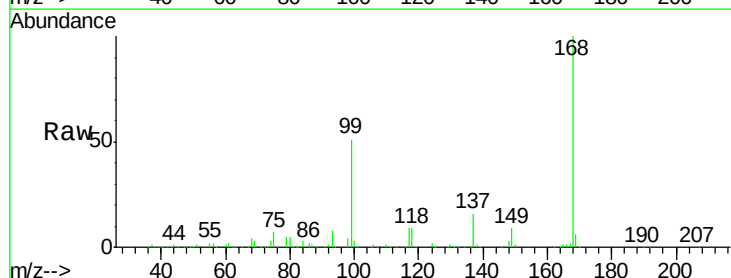
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

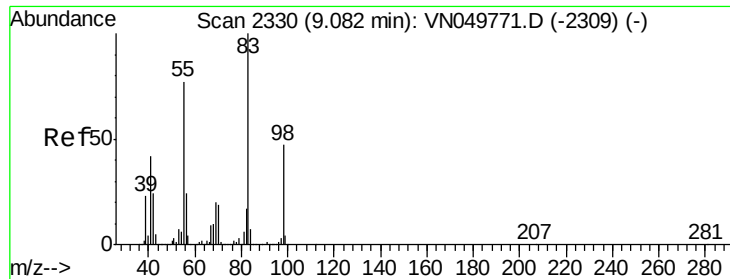
Tot Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.58 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 117 Resp: 102297
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 25.0 37.6#





#39

Methylvlcyclohexane

Concen: 0.02 ug/l

RT: 9.07 min Scan# 2327

Delta R.T. -0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

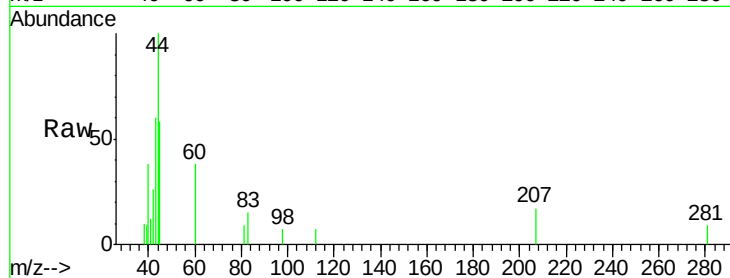
Tot Ion: 83 Resp: 496

Ion Ratio Lower Upper

83 100

55 0.0 59.7 89.5#

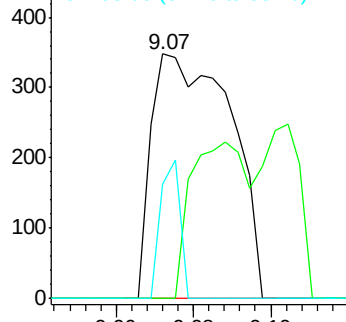
98 46.3 36.5 54.7



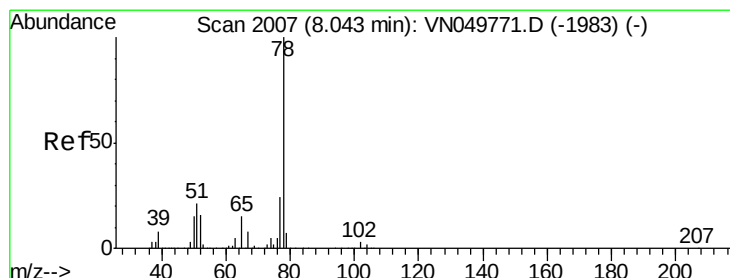
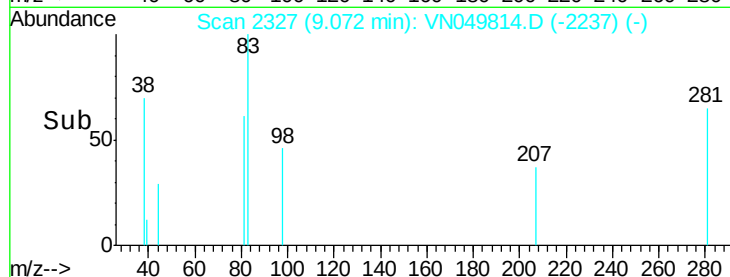
Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



Time-->



#40

Benzene

Concen: 0.02 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049814.D

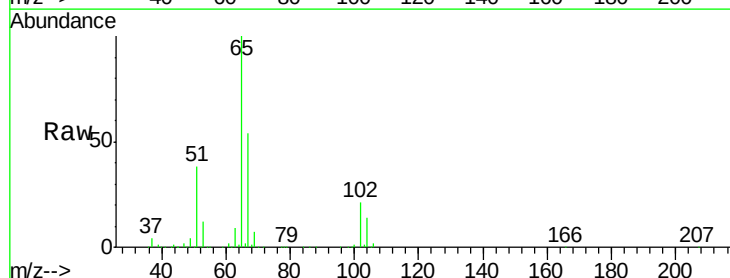
Acq: 13 Jul 2018 23:30

Tgt Ion: 78 Resp: 1142

Ion Ratio Lower Upper

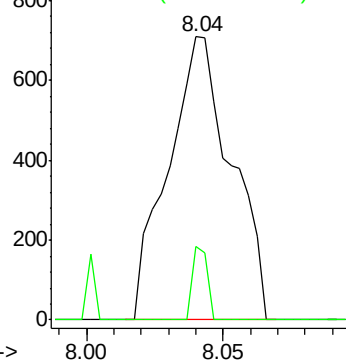
78 100

77 26.0 19.0 28.4

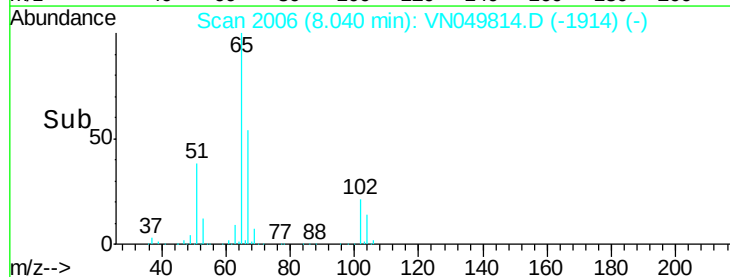


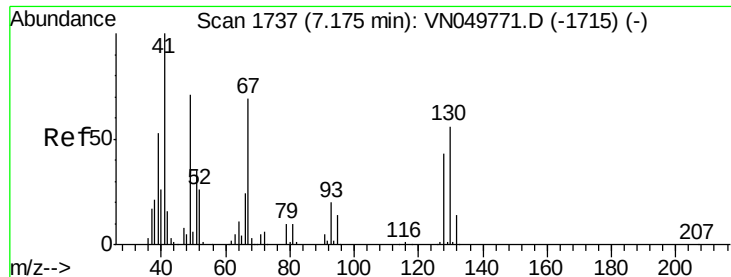
Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->

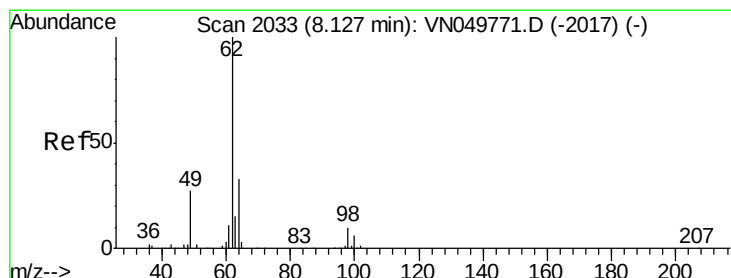
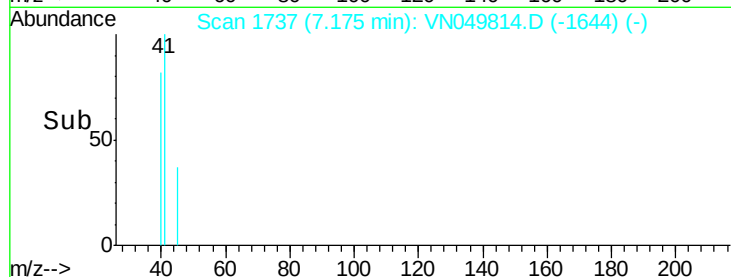
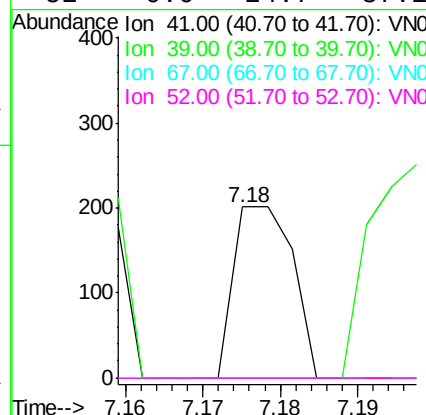
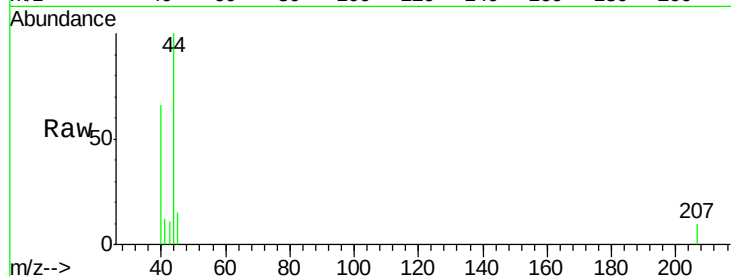




#41
Methacrylonitrile
Concen: 0.01 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

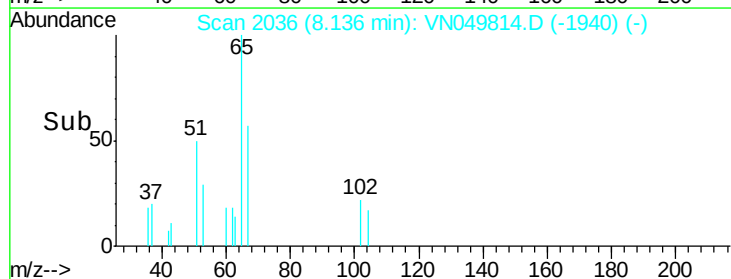
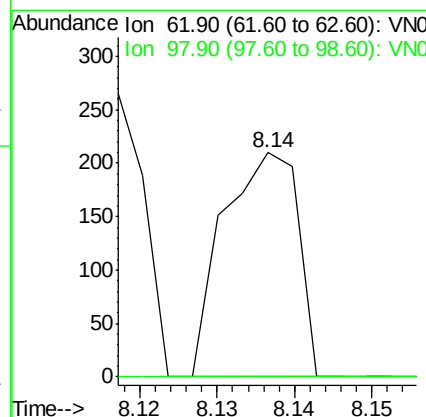
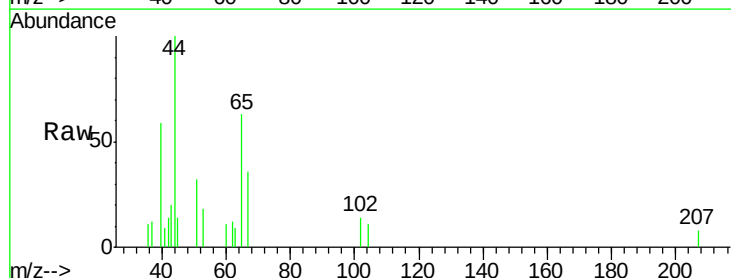
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

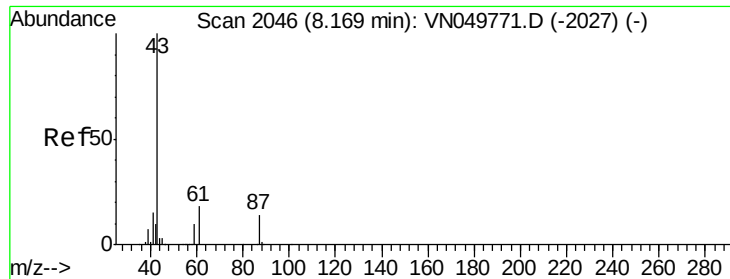
Tot Ion: 41 Resp: 107
Ion Ratio Lower Upper
41 100
39 171.0 45.4 68.2#
67 0.0 65.4 98.0#
52 0.0 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 0.01 ug/l
RT: 8.14 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 62 Resp: 141
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.0





#43

Isopropyl Acetate

Concen: 12.24 ug/l

RT: 8.27 min Scan# 2078

Delta R.T. 0.10 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

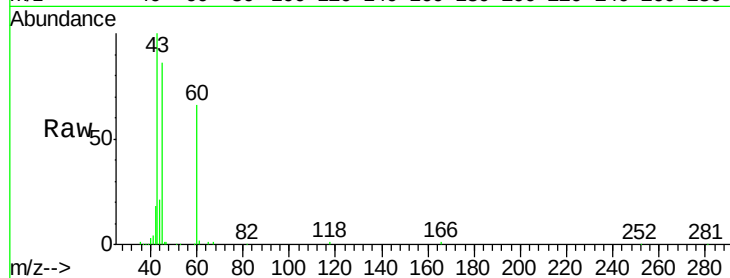
Tot Ion: 43 Resp: 278347

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

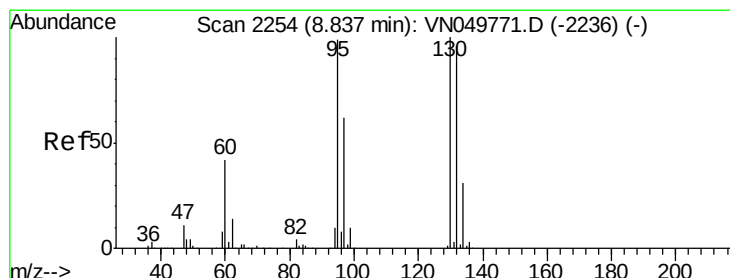
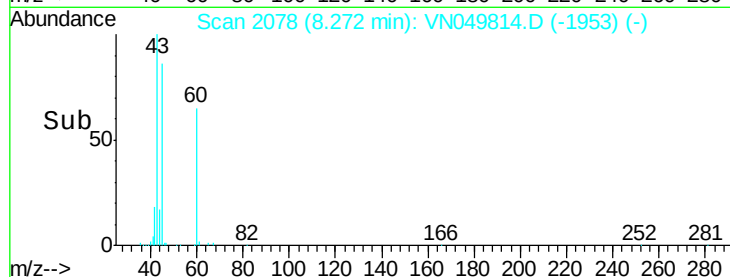
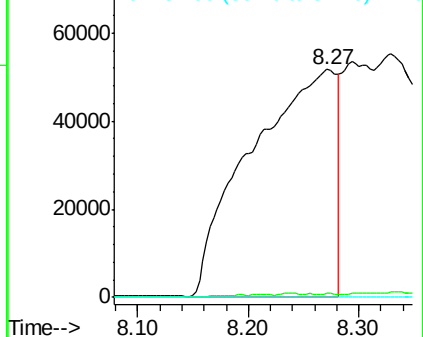
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN049771.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN049771.D (-2027) (-)



#44

Trichloroethene

Concen: 0.01 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049814.D

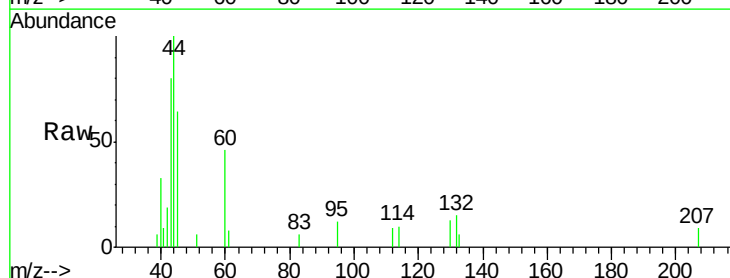
Acq: 13 Jul 2018 23:30

Tgt Ion: 130 Resp: 99

Ion Ratio Lower Upper

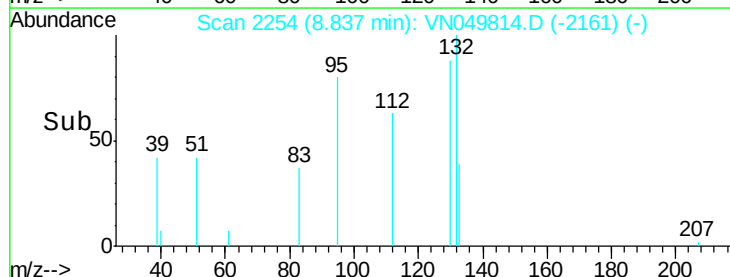
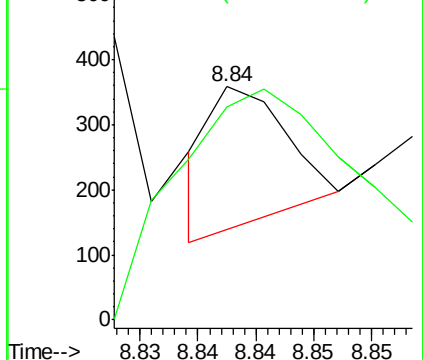
130 100

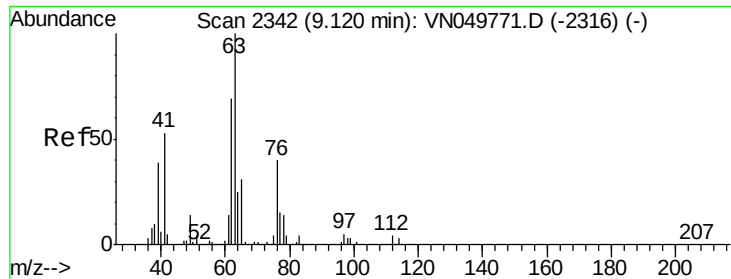
95 49.7 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049771.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049771.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 0.00 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

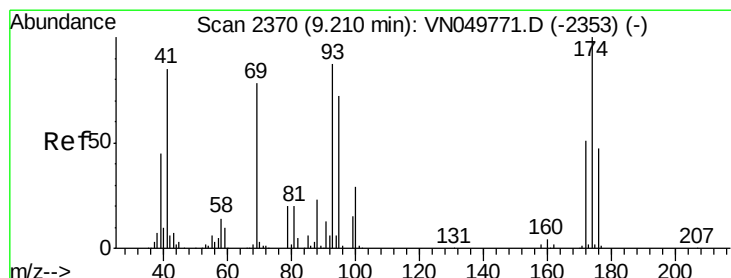
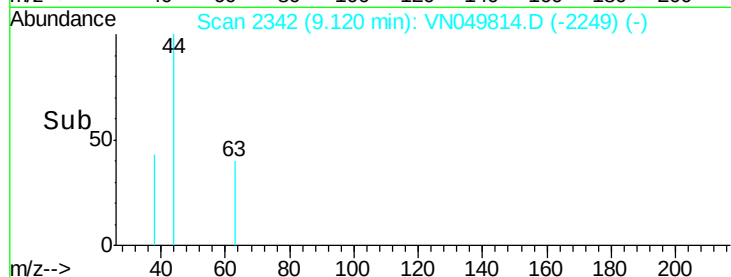
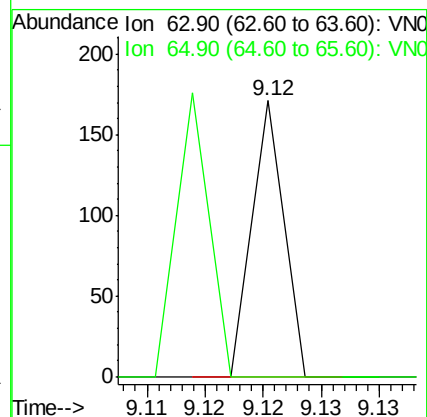
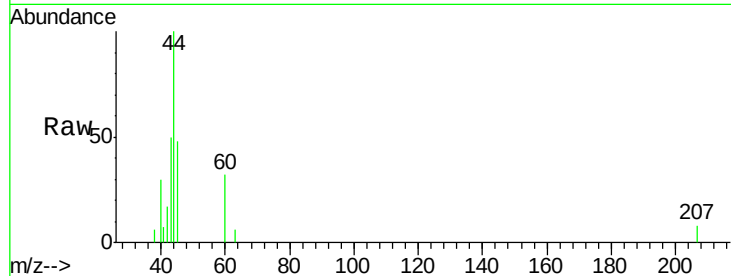
VN0713WBL02

Tot Ion: 63 Resp: 33

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#46

Dibromomethane

Concen: 0.00 ug/l

RT: 9.22 min Scan# 2374

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

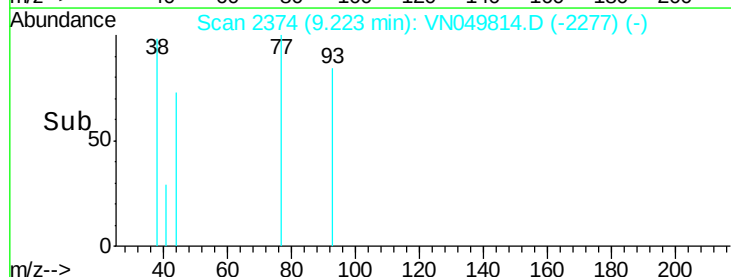
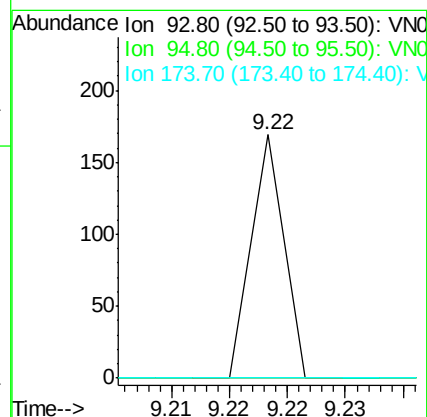
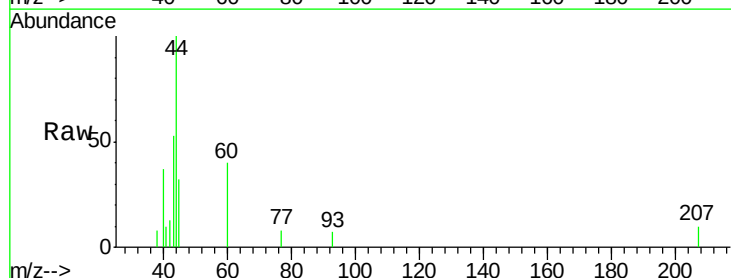
Tgt Ion: 93 Resp: 33

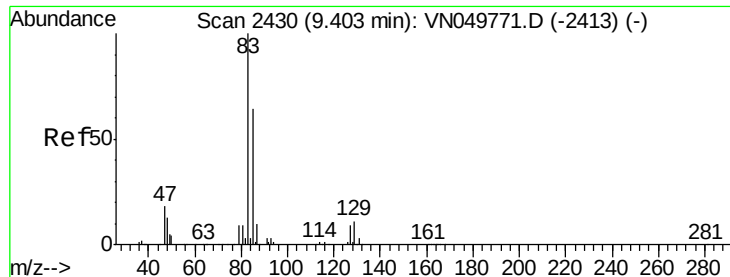
Ion Ratio Lower Upper

93 100

95 0.0 67.9 101.9#

174 175.8 89.4 134.0#





#47

Bromodichloromethane

Concen: 0.00 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

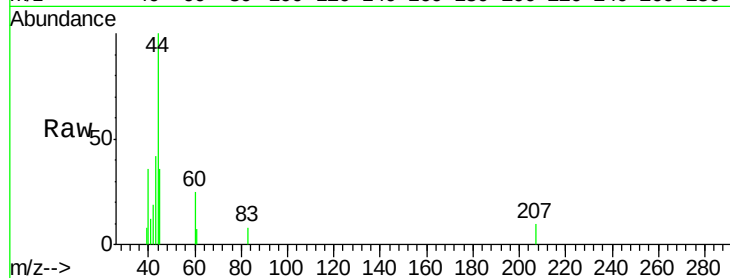
Tot Ion: 83 Resp: 71

Ion Ratio Lower Upper

83 100

85 0.0 50.5 75.7#

127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

9.41

150

100

50

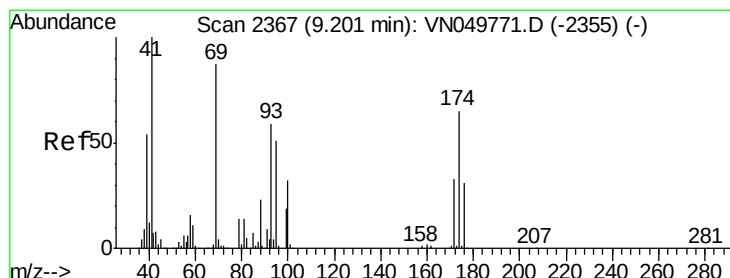
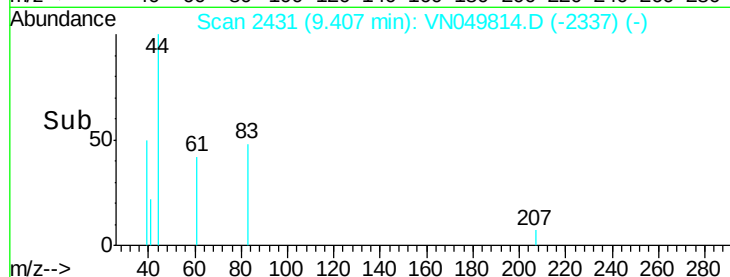
0

9.39

9.40

9.41

Time-->



#48

Methyl methacrylate

Concen: 0.04 ug/l

RT: 9.19 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

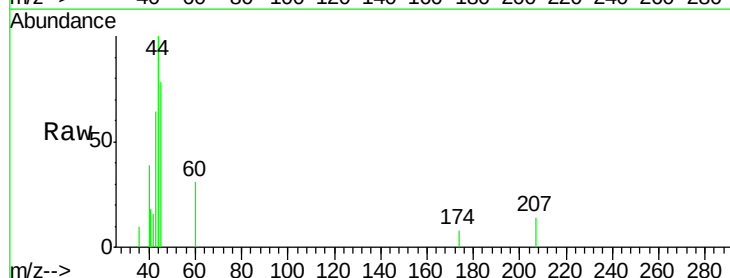
Tgt Ion: 41 Resp: 489

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

39 0.0 44.7 67.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.19

400

300

200

100

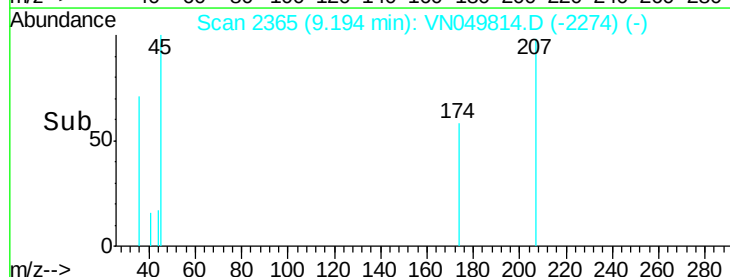
0

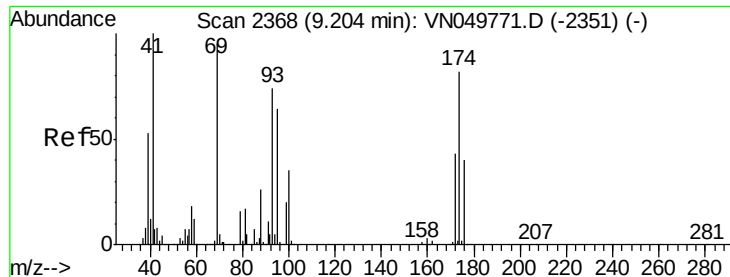
9.18

9.20

9.22

Time-->

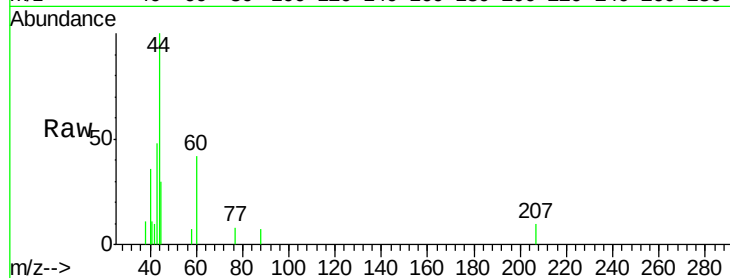




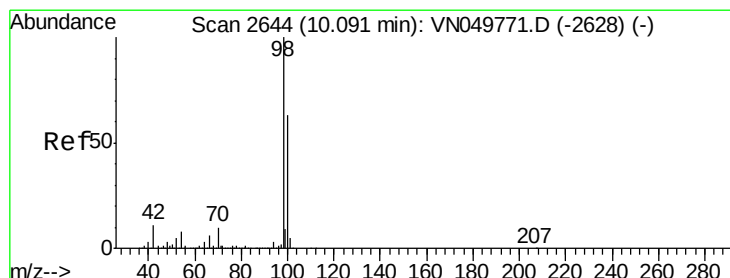
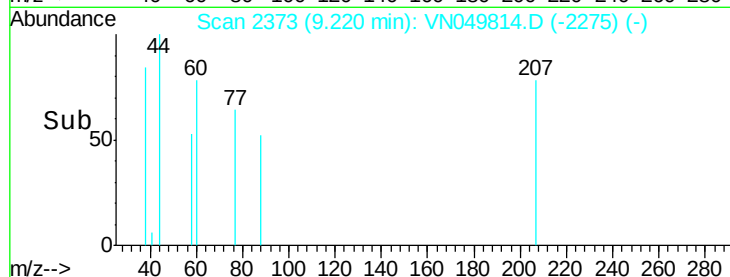
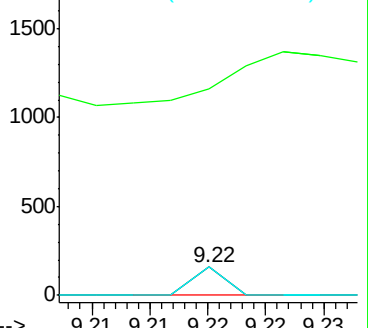
#49
1,4-Dioxane
Concen: 0.21 ug/l
RT: 9.22 min Scan# 2373
Delta R.T. 0.02 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

Tot Ion: 88 Resp: 31
Ion Ratio Lower Upper
88 100
43 1454.8 25.1 37.7#
58 100.0 52.5 78.7#

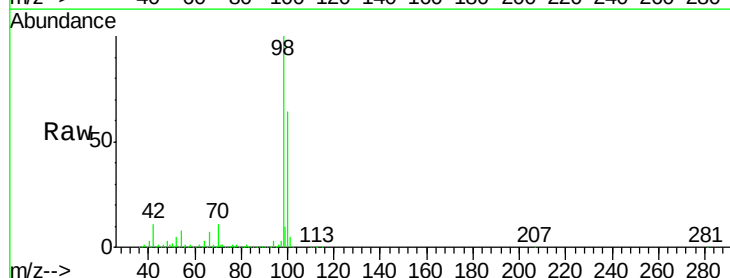


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

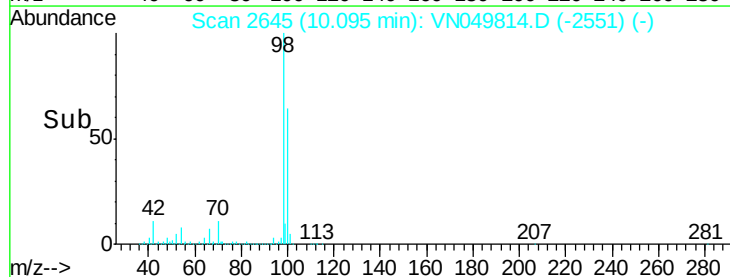
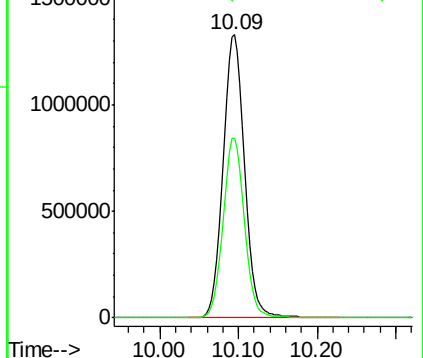


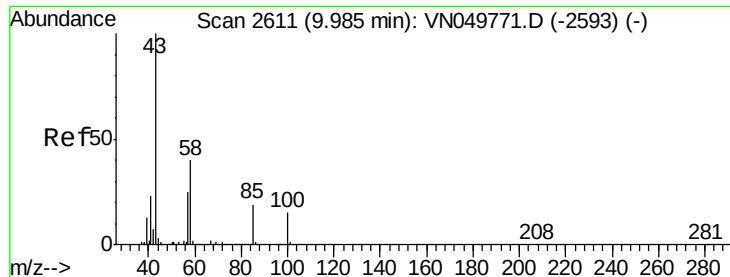
#50
Toluene-d8
Concen: 52.31 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 98 Resp: 2502494
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.03 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. -0.05 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

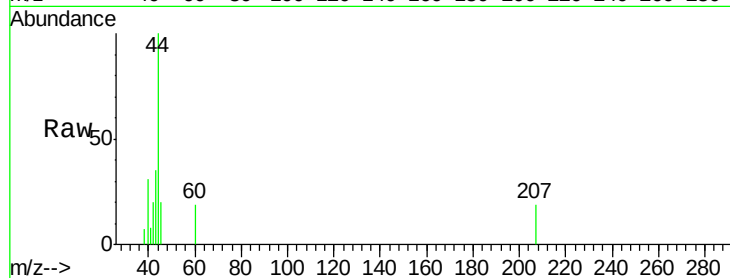
VN0713WBL02

Tot Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.93

800

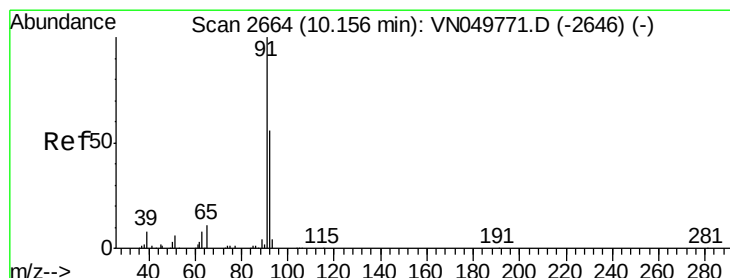
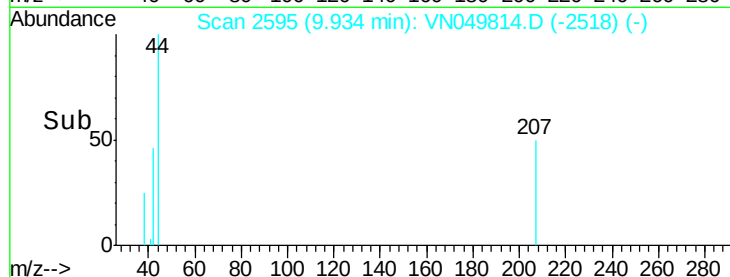
600

400

200

0

Time-->



#52

Toluene

Concen: 0.02 ug/l

RT: 10.17 min Scan# 2667

Delta R.T. 0.01 min

Lab File: VN049814.D

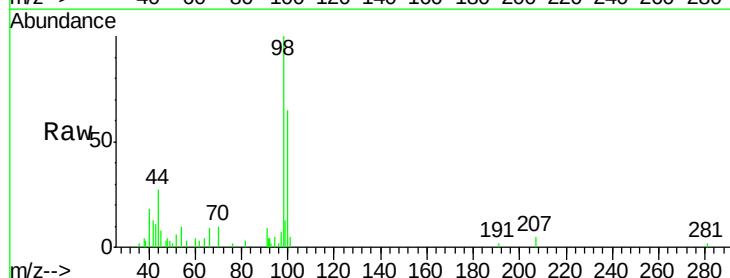
Acq: 13 Jul 2018 23:30

Tgt Ion: 92 Resp: 932

Ion Ratio Lower Upper

92 100

91 139.5 140.1 210.1#



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000

800

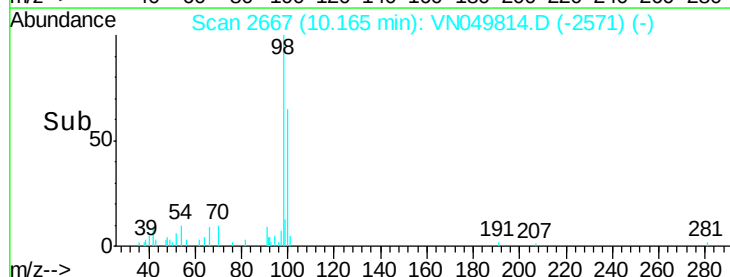
600

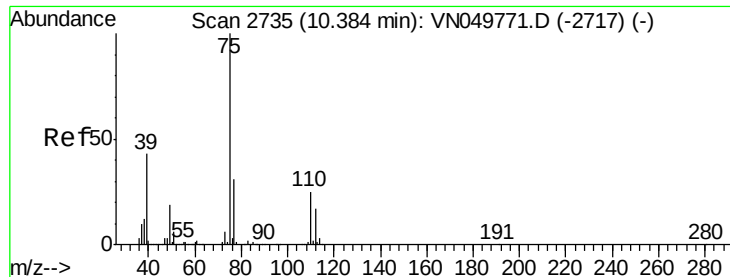
400

200

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 0.02 ug/l

RT: 10.38 min Scan# 2733

Delta R.T. -0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

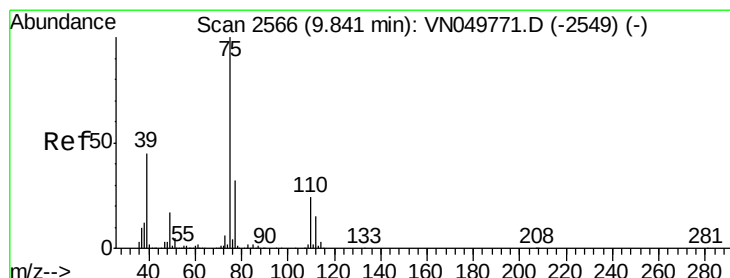
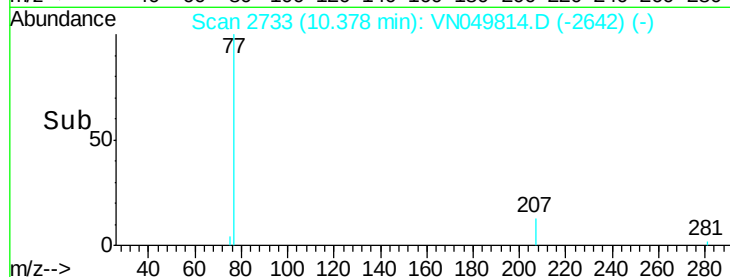
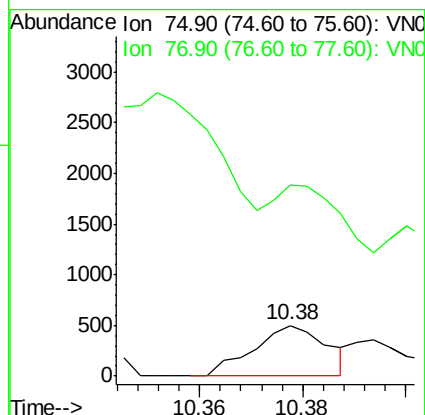
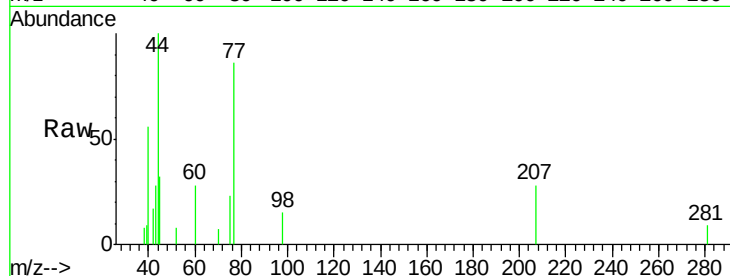
VN0713WBL02

Tot Ion: 75 Resp: 492

Ion Ratio Lower Upper

75 100

77 55.9 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 0.01 ug/l

RT: 9.83 min Scan# 2564

Delta R.T. -0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

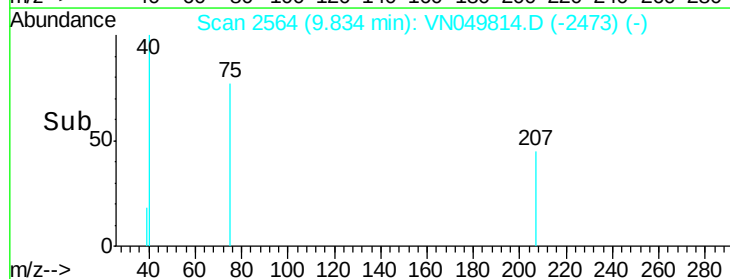
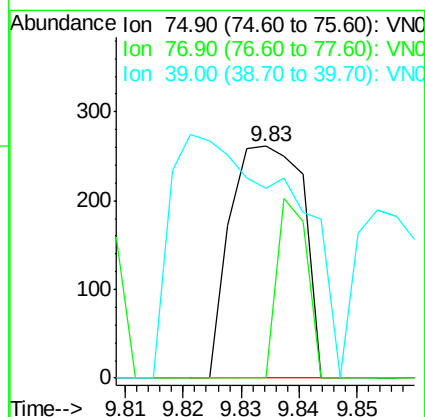
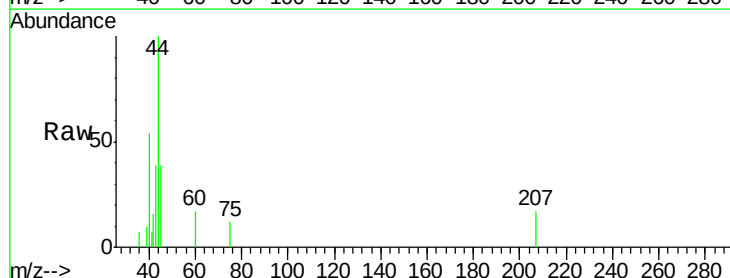
Tgt Ion: 75 Resp: 226

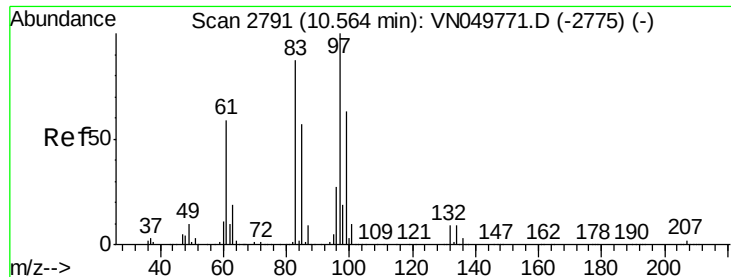
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 82.0 35.5 53.3#

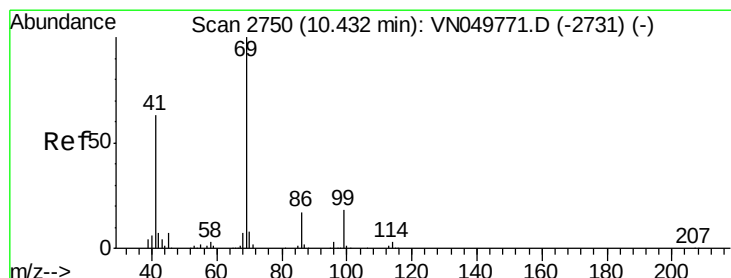
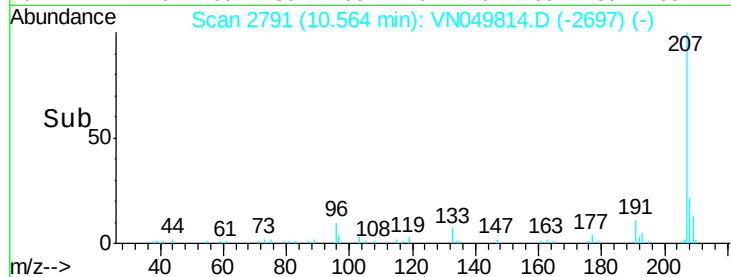
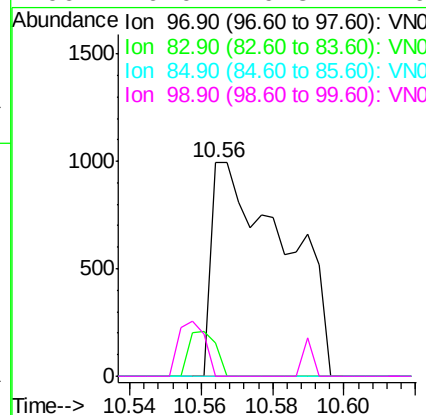
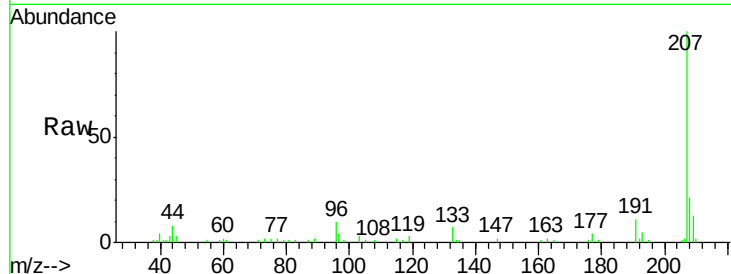




#55
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

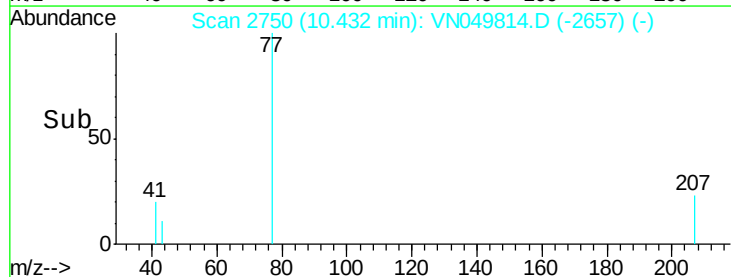
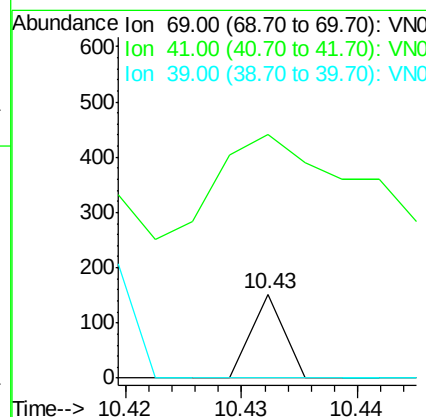
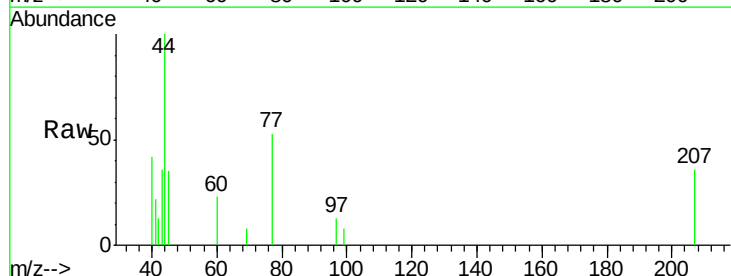
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

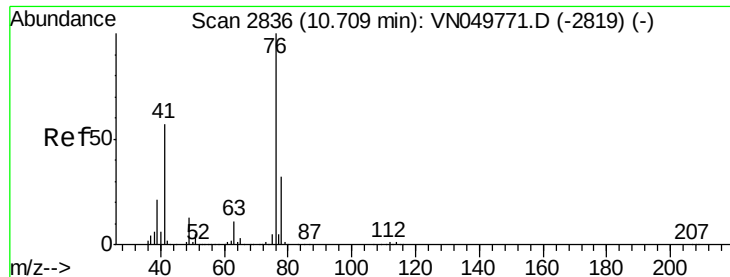
Tot Ion: 97 Resp: 1409
 Ion Ratio Lower Upper
 97 100
 83 15.5 69.0 103.6#
 85 0.0 44.9 67.3#
 99 0.0 49.8 74.6#



#56
 Ethyl methacrylate
 Concen: 0.00 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Tgt Ion: 69 Resp: 29
 Ion Ratio Lower Upper
 69 100
 41 1803.4 51.6 77.4#
 39 0.0 25.8 38.8#

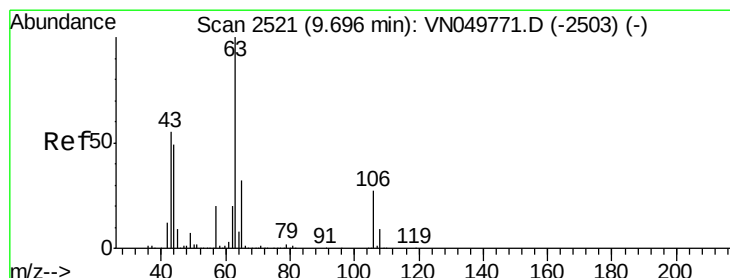
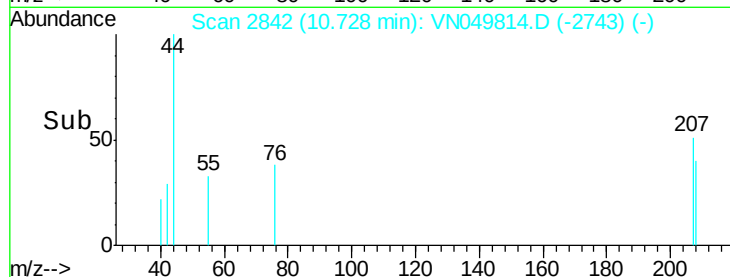
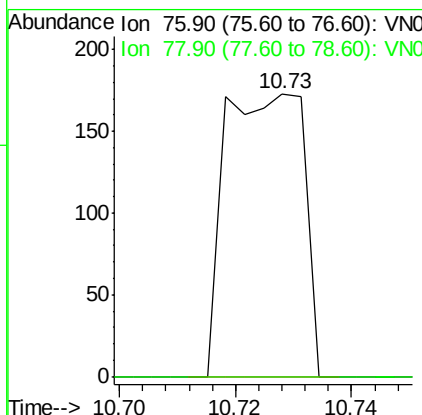
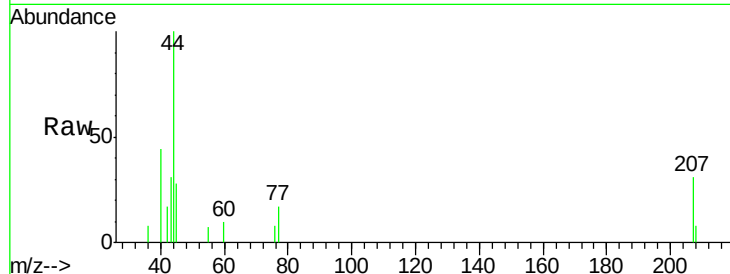




#57
 1,3-Dichloropropane
 Concen: 0.01 ug/l
 RT: 10.73 min Scan# 2842
 Delta R.T. 0.02 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

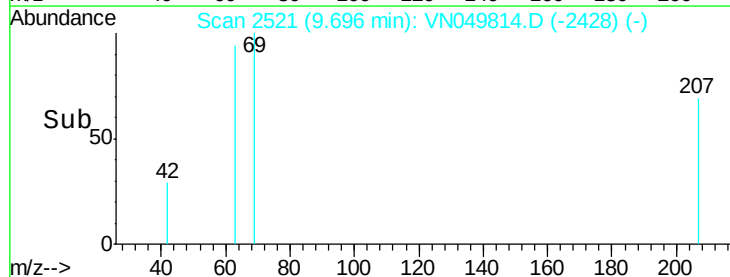
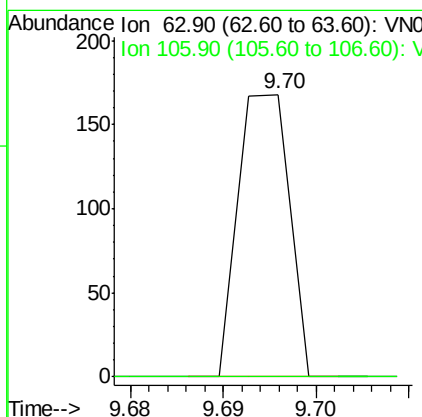
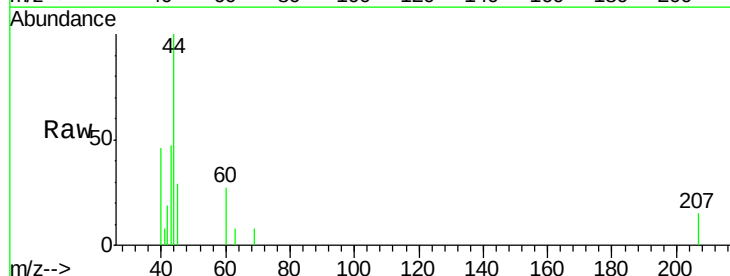
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

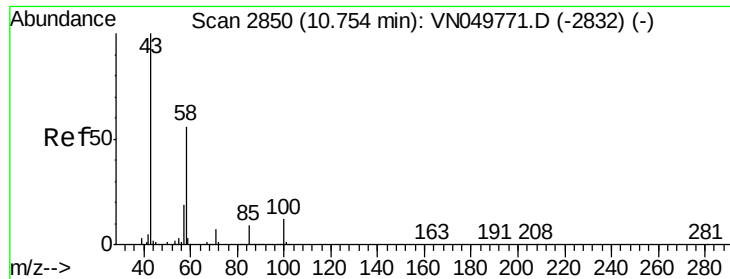
Tot Ion: 76 Resp: 162
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 0.01 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Tgt Ion: 63 Resp: 65
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#

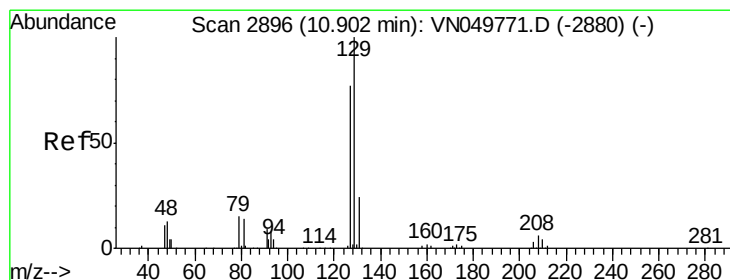
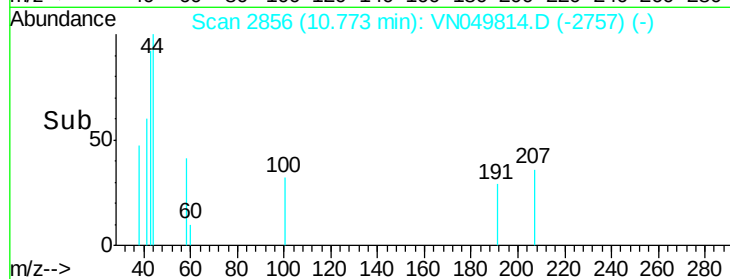
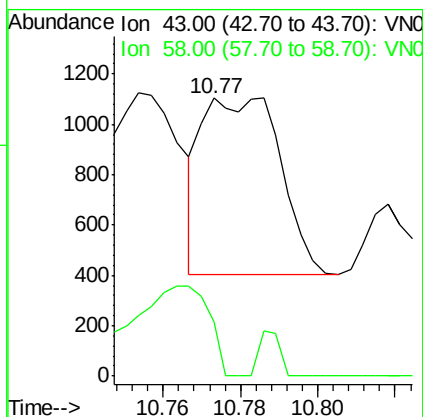
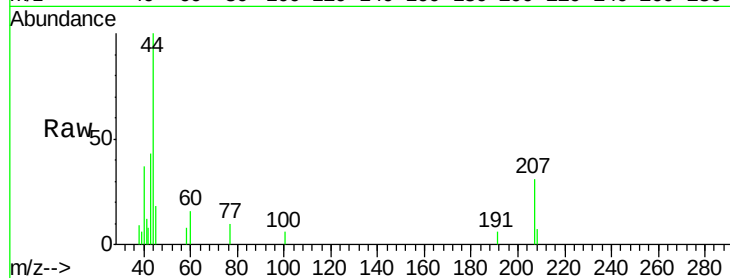




#59
2-Hexanone
Concen: 0.12 ug/l
RT: 10.77 min Scan# 2856
Delta R.T. 0.02 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

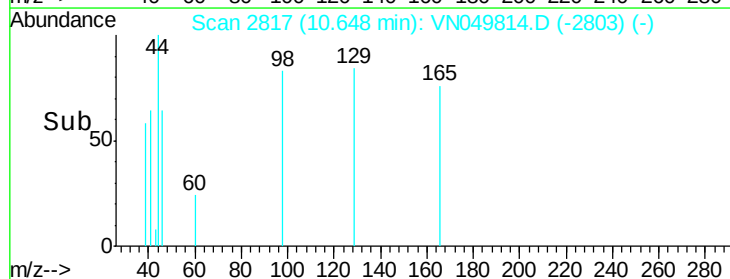
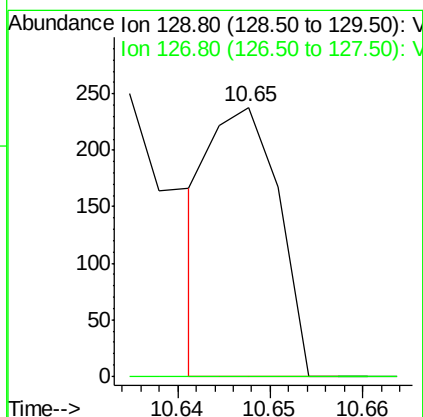
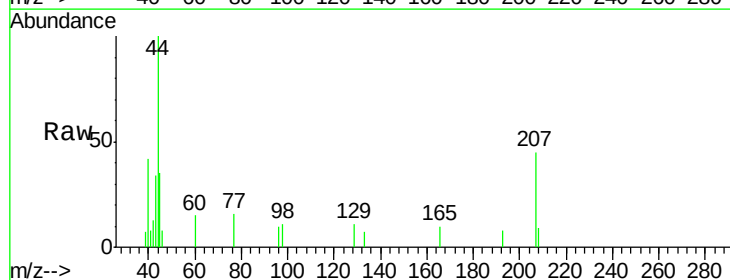
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

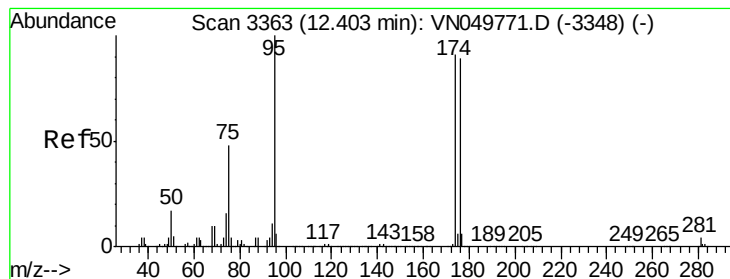
Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
58 52.2 27.8 83.4



#60
Dibromochloromethane
Concen: 0.01 ug/l
RT: 10.65 min Scan# 2817
Delta R.T. -0.25 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion: 129 Resp: 121
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.9#





#62

4-Bromofluorobenzene

Concen: 38.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

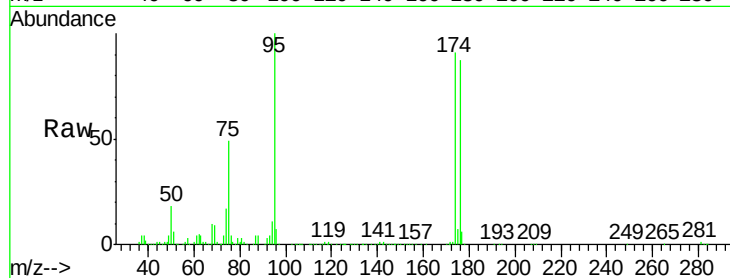
Tot Ion: 95 Resp: 665847

Ion Ratio Lower Upper

95 100

174 91.1 0.0 179.6

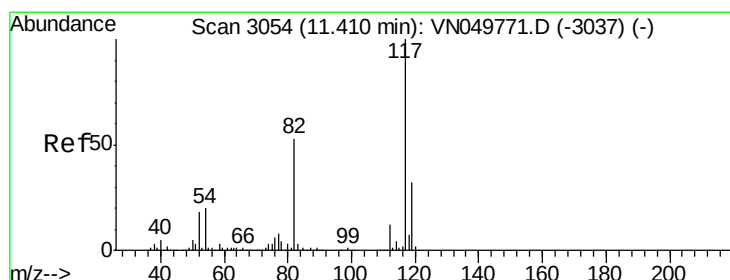
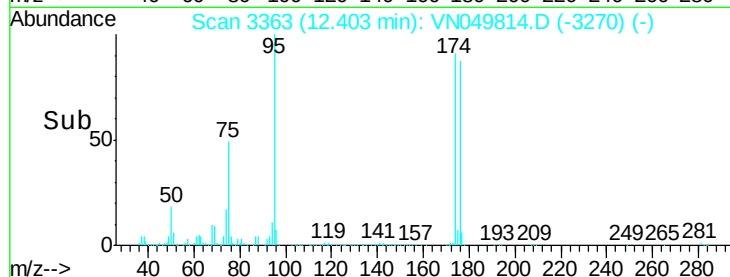
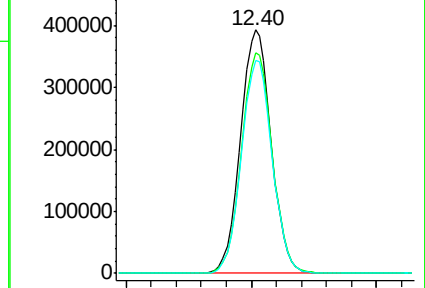
176 87.9 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049814.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049814.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049814.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

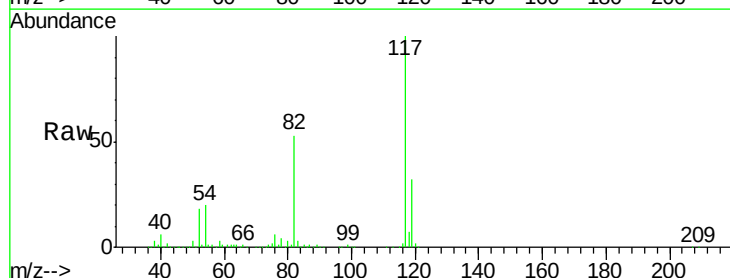
Tgt Ion: 117 Resp: 1523432

Ion Ratio Lower Upper

117 100

82 53.1 41.9 62.9

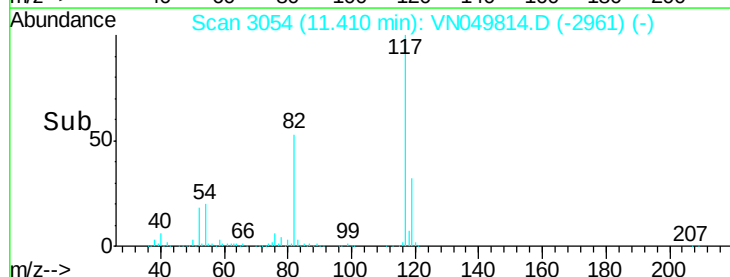
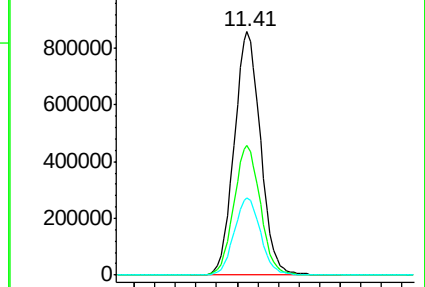
119 32.0 25.4 38.2

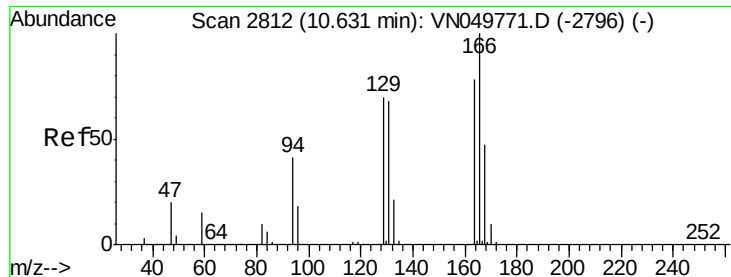


Abundance Ion 116.90 (116.60 to 117.60): VN049814.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049814.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049814.D (-2961) (-)





#64

Tetrachloroethene

Concen: 0.03 ug/l

RT: 10.63 min Scan# 2811

Delta R.T. -0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

Tot Ion:164 Resp: 436

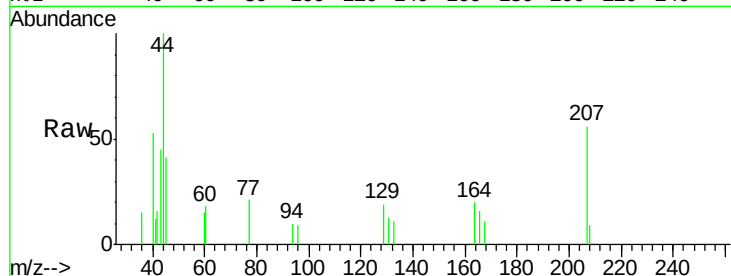
Ion Ratio Lower Upper

164 100

166 40.9 101.8 152.6#

129 95.5 72.8 109.2

131 62.3 70.0 105.0#



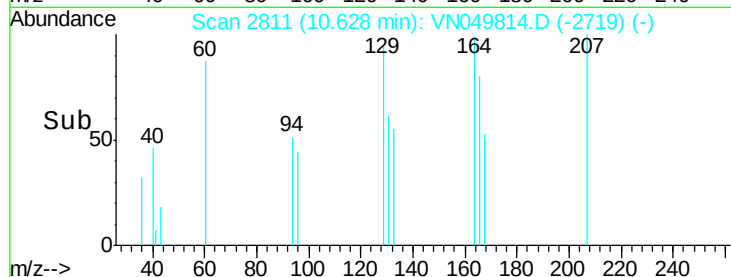
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

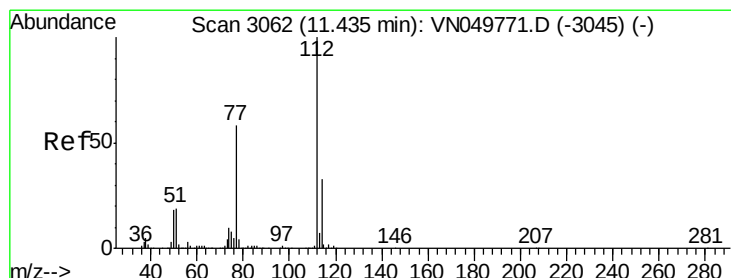
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Time-->



#65

Chlorobenzene

Concen: 0.03 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049814.D

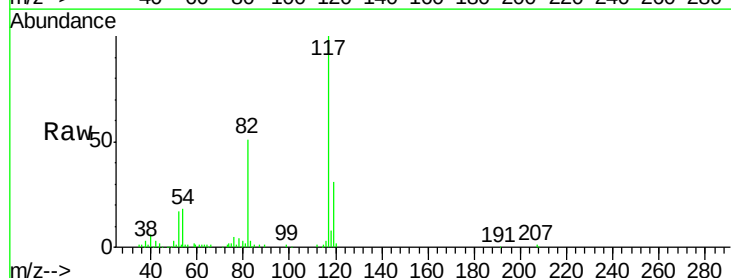
Acq: 13 Jul 2018 23:30

Tgt Ion:112 Resp: 1274

Ion Ratio Lower Upper

112 100

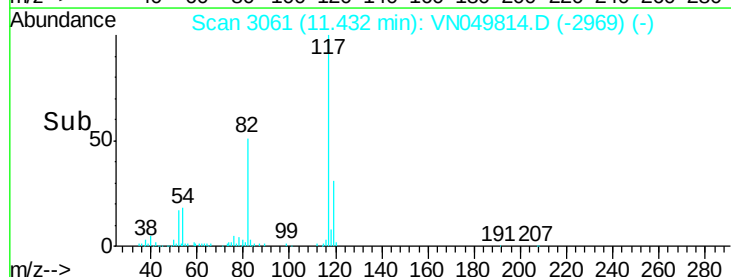
114 62.2 25.4 38.0#



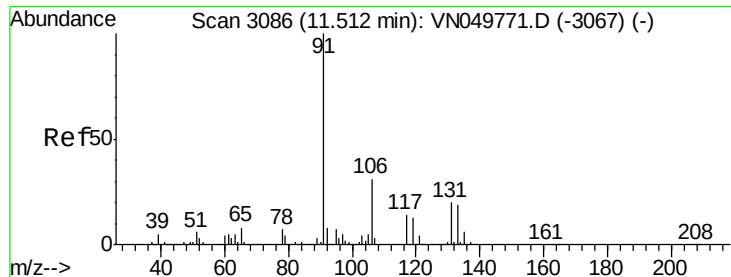
Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->



Time-->



#67

Ethyl Benzene

Concen: 0.02 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

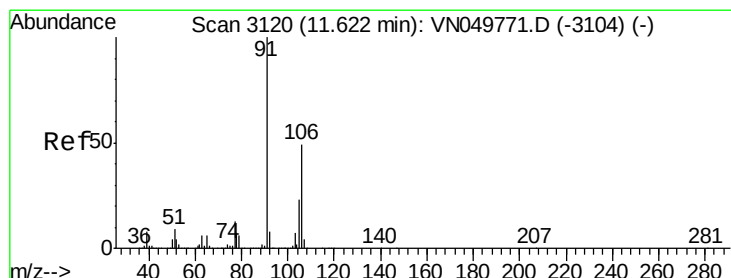
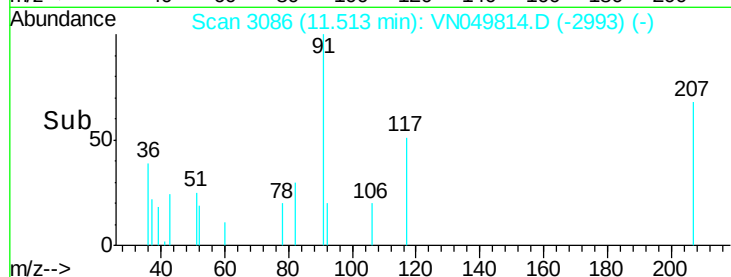
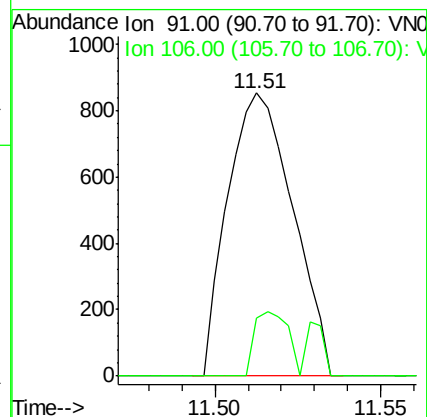
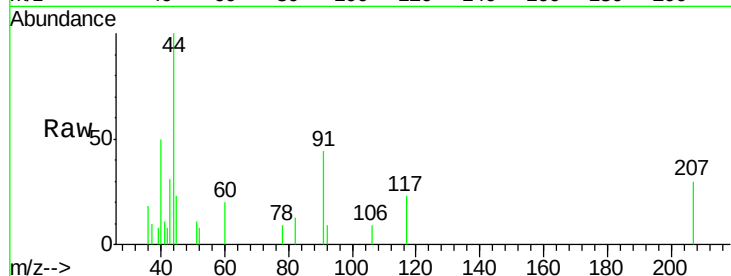
VN0713WBL02

Tot Ion: 91 Resp: 1166

Ion Ratio Lower Upper

91 100

106 20.4 24.8 37.2#



#68

m/p-Xylenes

Concen: 0.04 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049814.D

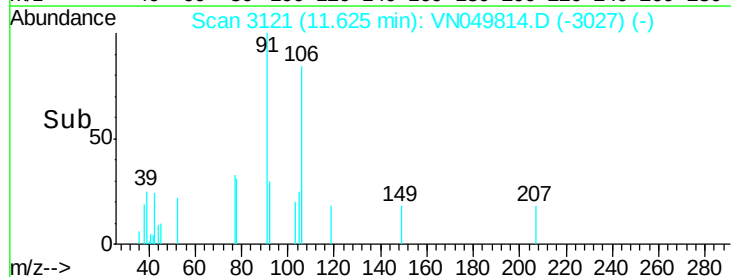
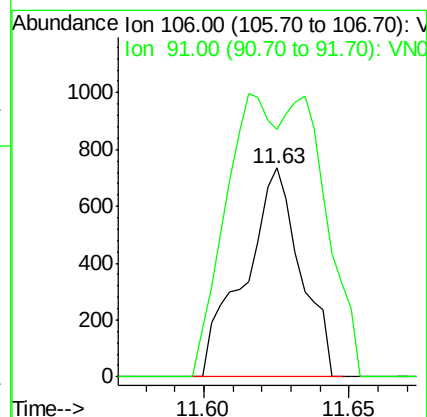
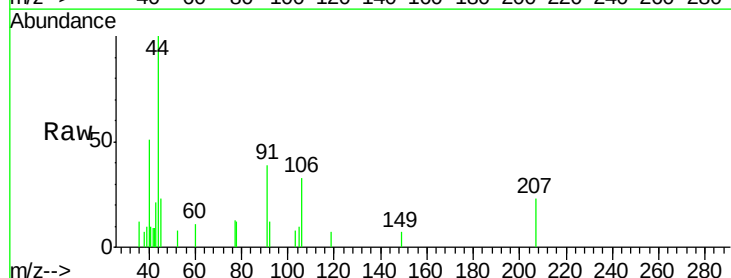
Acq: 13 Jul 2018 23:30

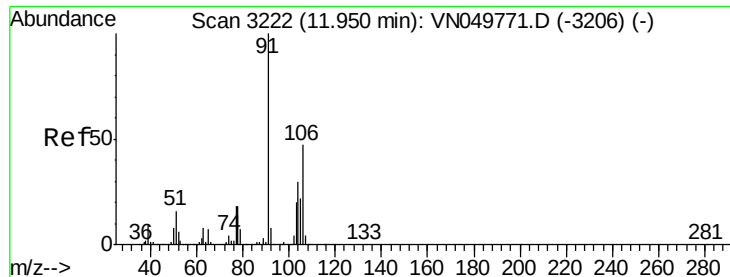
Tgt Ion: 106 Resp: 988

Ion Ratio Lower Upper

106 100

91 123.2 163.4 245.2#





#69

o-Xylene

Concen: 0.01 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

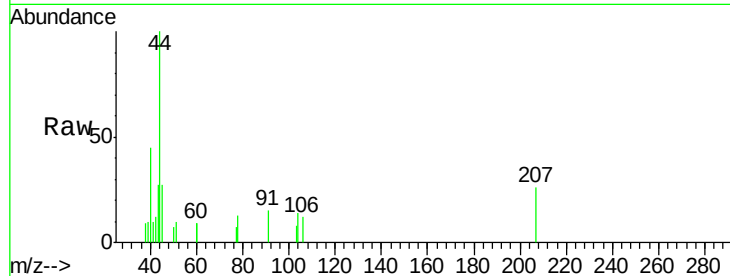
VN0713WBL02

Tot Ion:106 Resp: 216

Ion Ratio Lower Upper

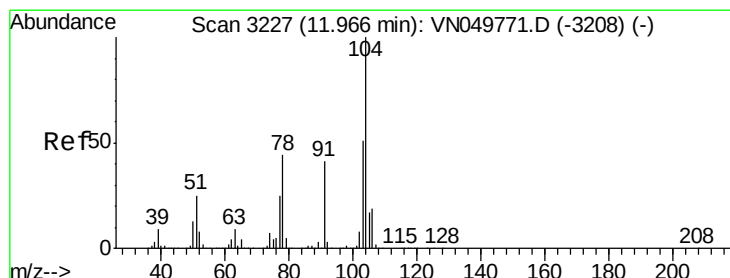
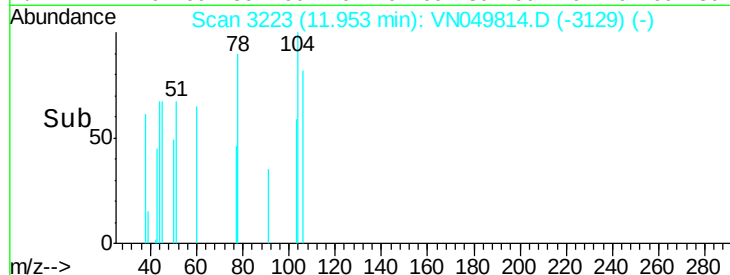
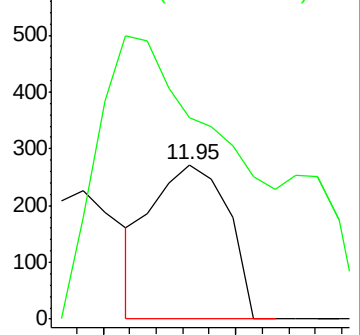
106 100

91 0.0 108.7 326.1#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 0.03 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

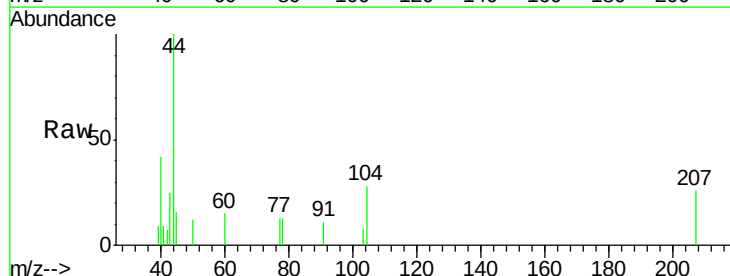
Tgt Ion:104 Resp: 1083

Ion Ratio Lower Upper

104 100

78 0.0 39.2 58.8#

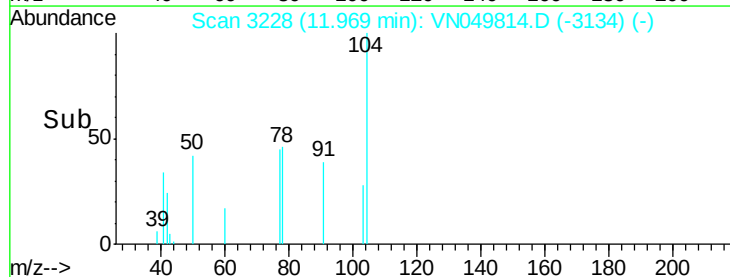
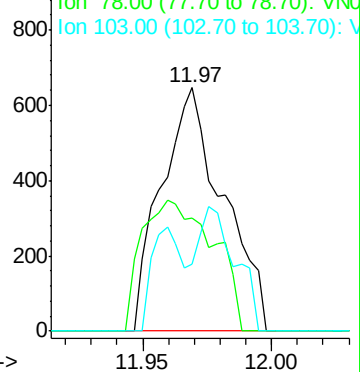
103 32.6 44.6 67.0#

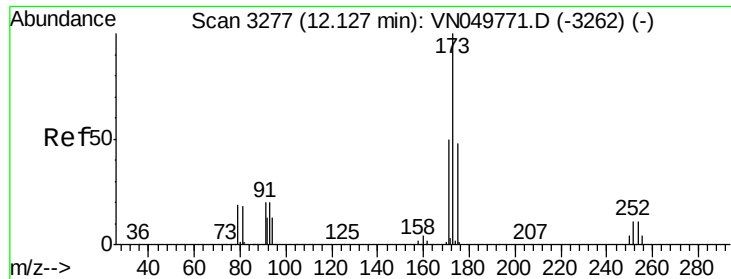


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V

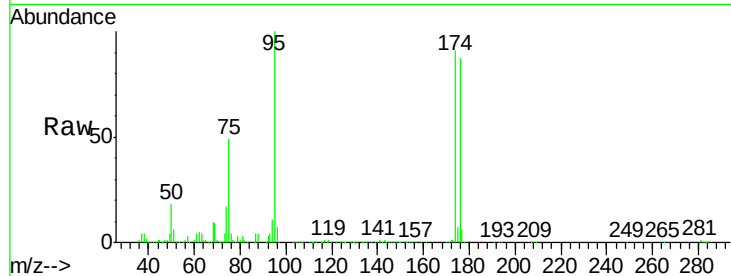




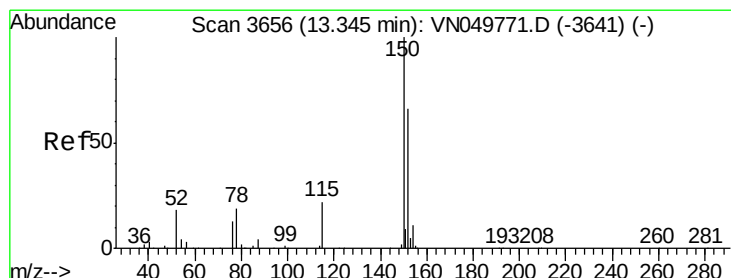
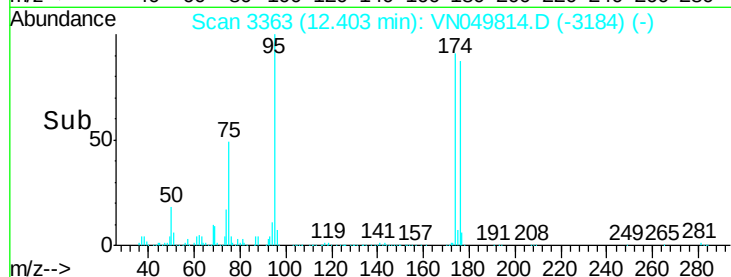
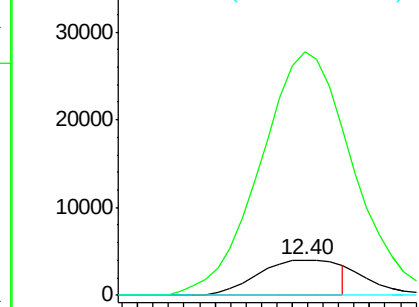
#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

Tot Ion:173 Resp: 5929
Ion Ratio Lower Upper
173 100
175 642.9 24.6 73.8#
254 0.0 0.2 0.2#

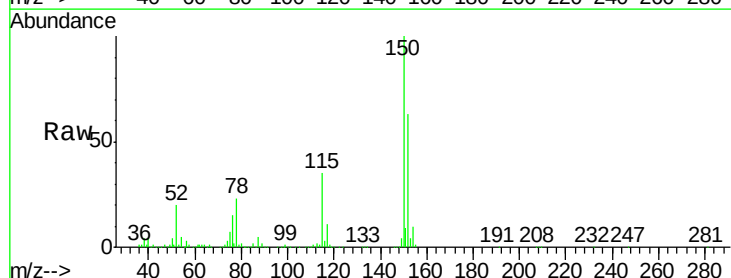


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

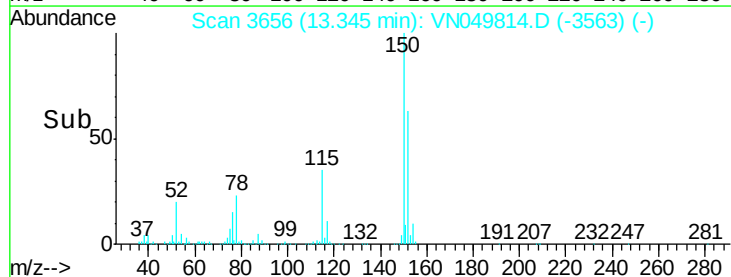
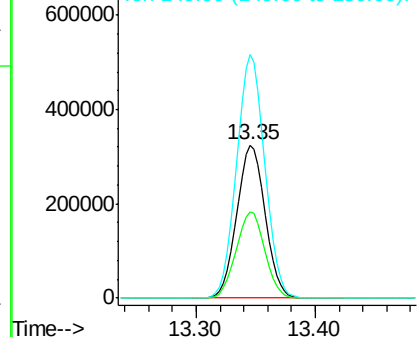


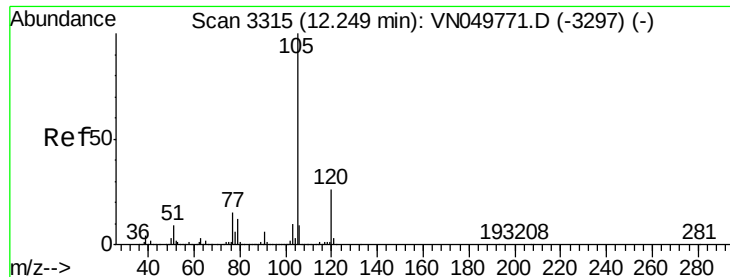
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049814.D
Acq: 13 Jul 2018 23:30

Tgt Ion:152 Resp: 535023
Ion Ratio Lower Upper
152 100
115 57.1 28.1 84.2
150 158.2 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.02 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.16 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

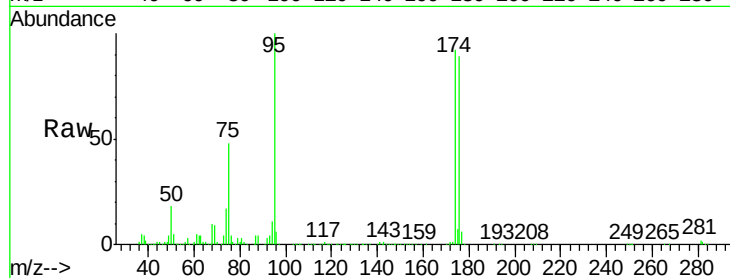
VN0713WBL02

Tot Ion:105 Resp: 976

Ion Ratio Lower Upper

105 100

120 20.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800

600

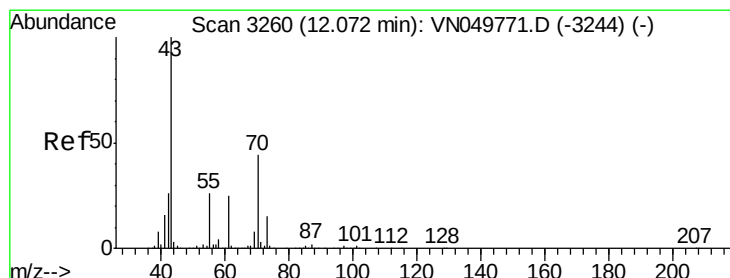
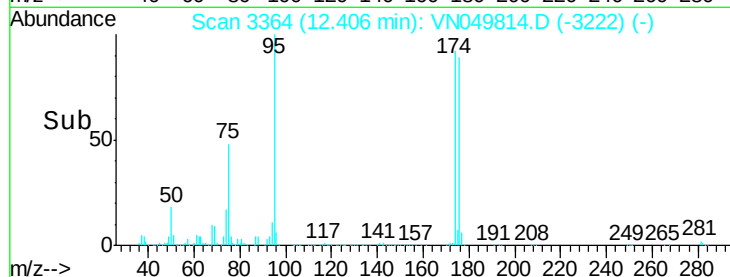
400

200

0

12.38 12.40 12.42

Time-->



#74

N-ethyl acetate

Concen: 0.01 ug/l

RT: 12.09 min Scan# 3265

Delta R.T. 0.02 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Tgt Ion: 43 Resp: 112

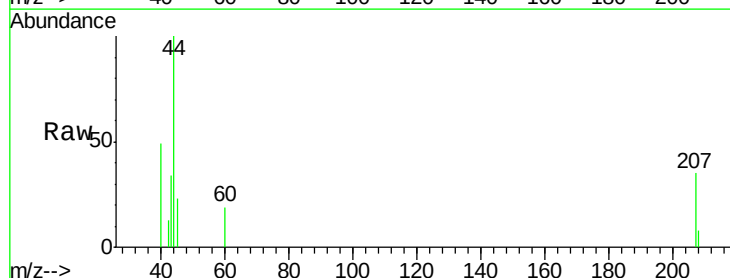
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 26.8 20.9 31.3

61 0.0 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1000

800

600

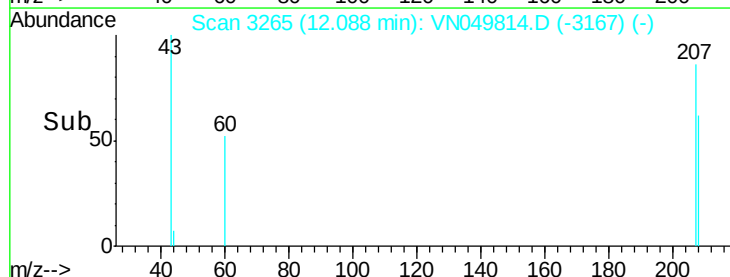
400

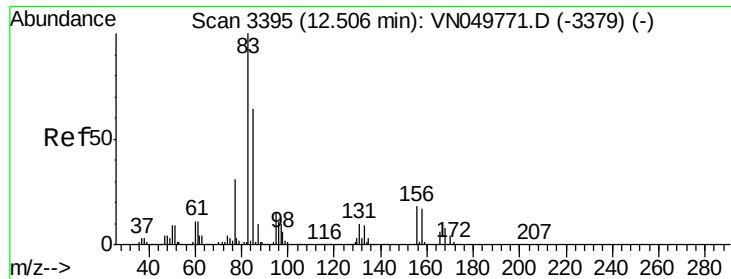
200

0

12.08 12.09 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

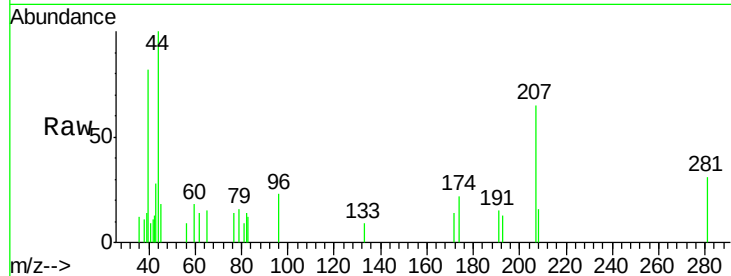
Tot Ion: 83 Resp: 135

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

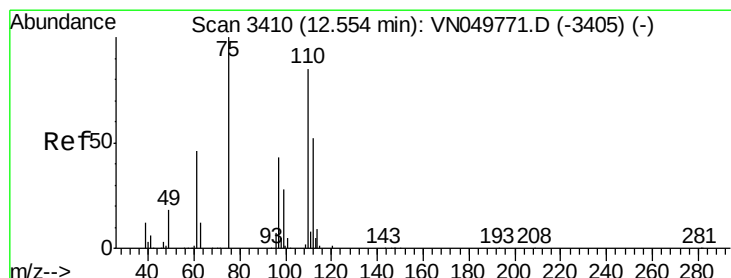
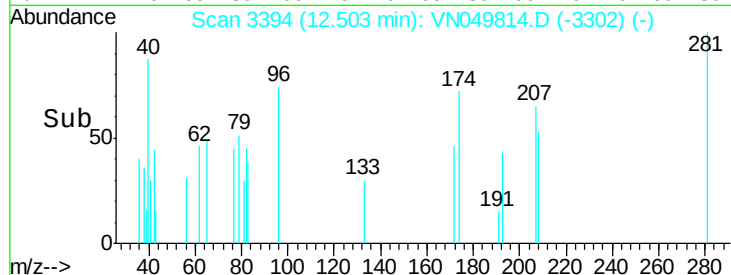
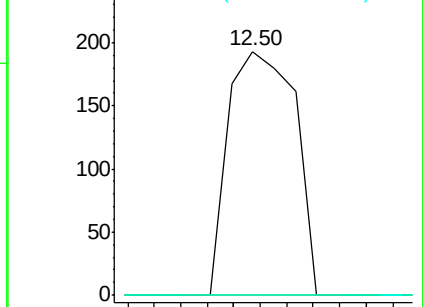
85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 33.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049814.D

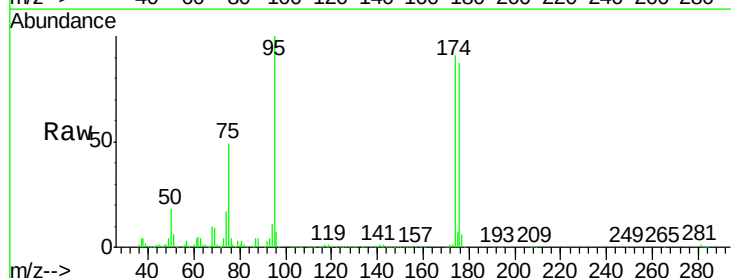
Acq: 13 Jul 2018 23:30

Tgt Ion: 75 Resp: 321717

Ion Ratio Lower Upper

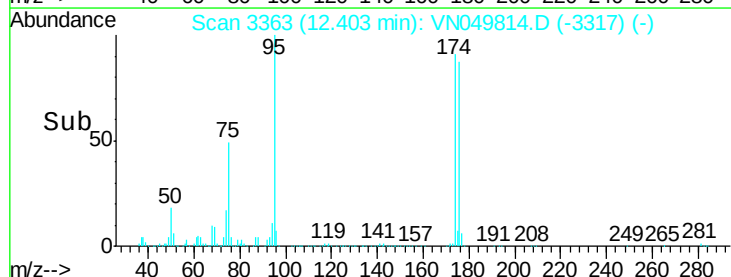
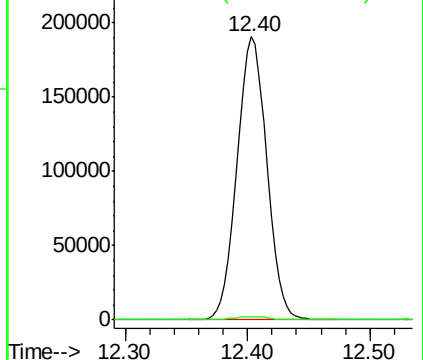
75 100

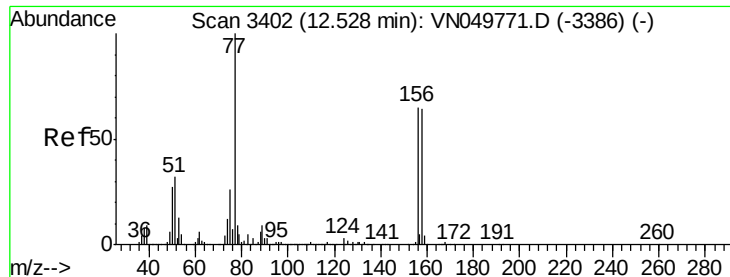
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.04 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

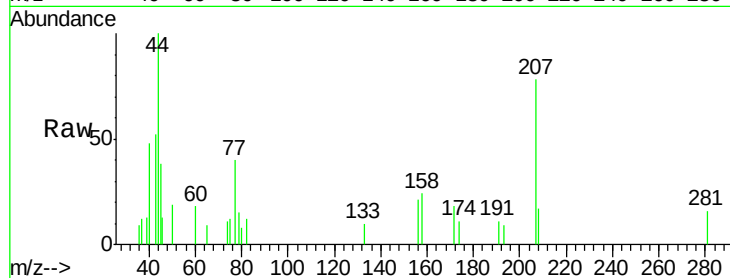
Tot Ion:156 Resp: 467

Ion Ratio Lower Upper

156 100

77 370.9 90.2 270.6#

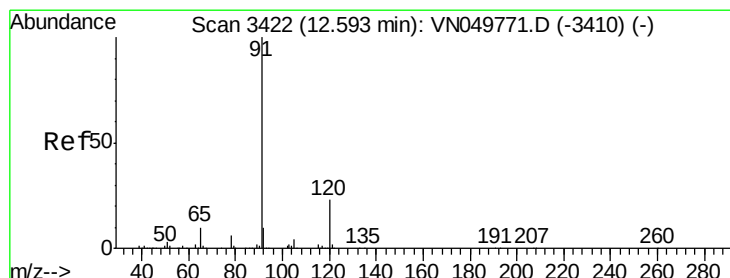
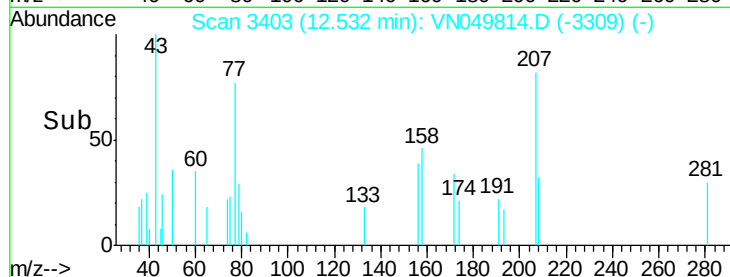
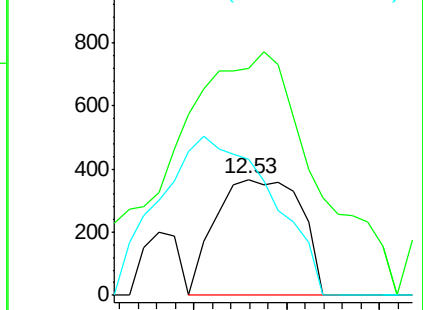
158 182.7 49.1 147.3#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.03 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049814.D

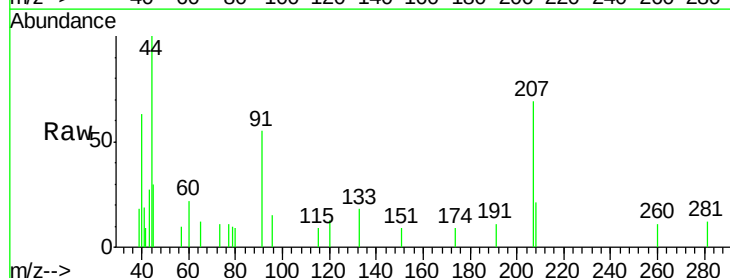
Acq: 13 Jul 2018 23:30

Tgt Ion: 91 Resp: 1738

Ion Ratio Lower Upper

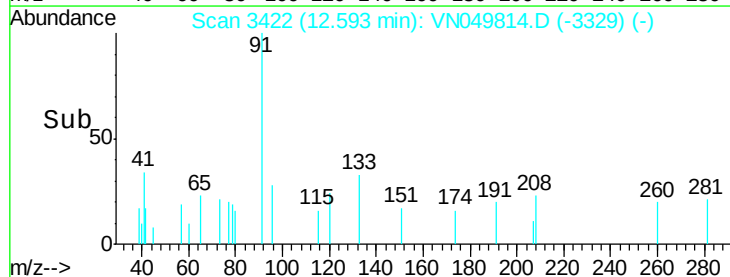
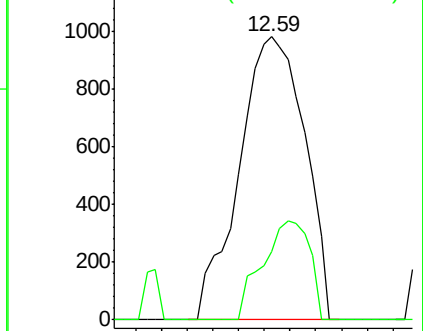
91 100

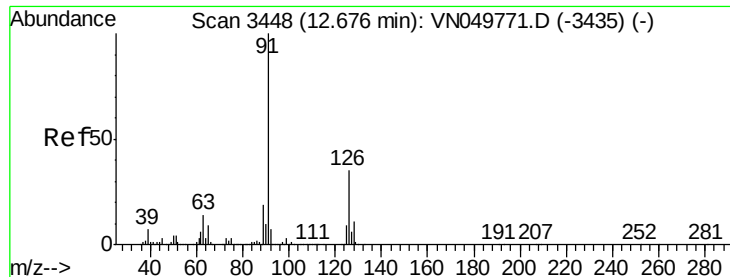
120 25.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.03 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

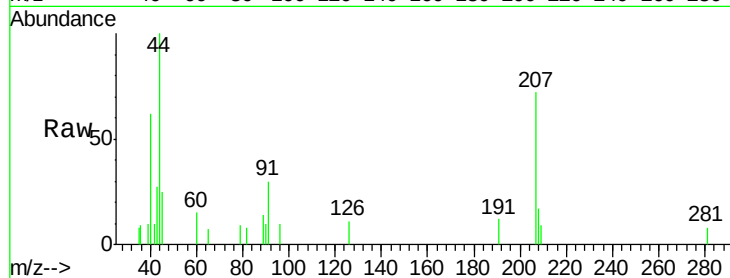
VN0713WBL02

Tot Ion: 91 Resp: 870

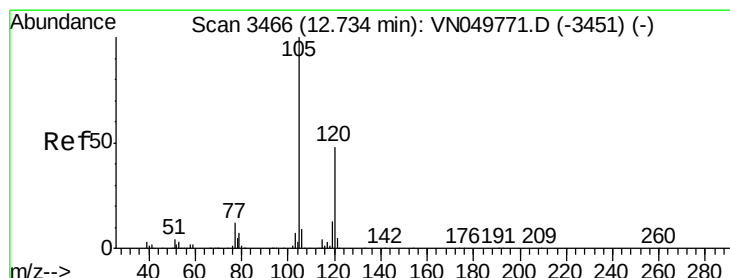
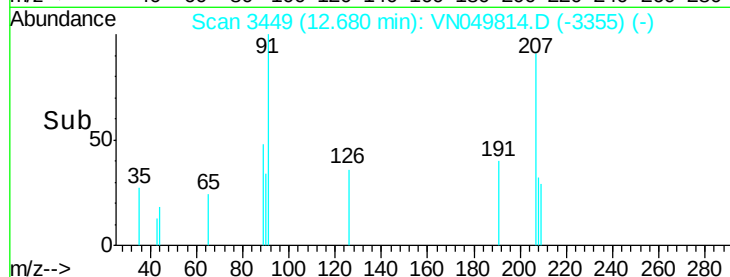
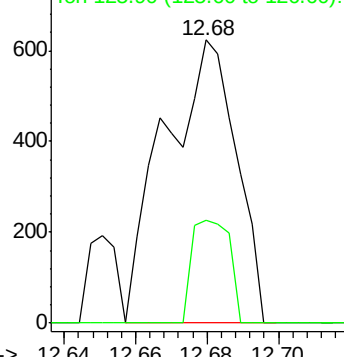
Ion Ratio Lower Upper

91 100

126 19.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049814.D

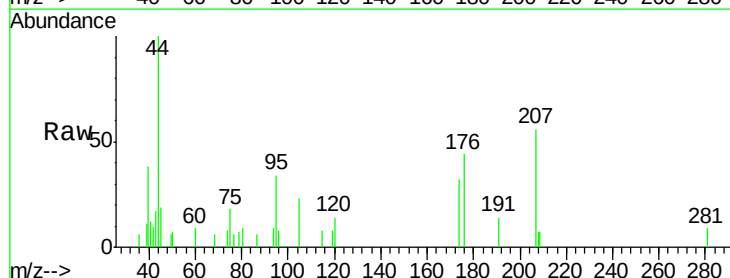
Acq: 13 Jul 2018 23:30

Tgt Ion: 105 Resp: 918

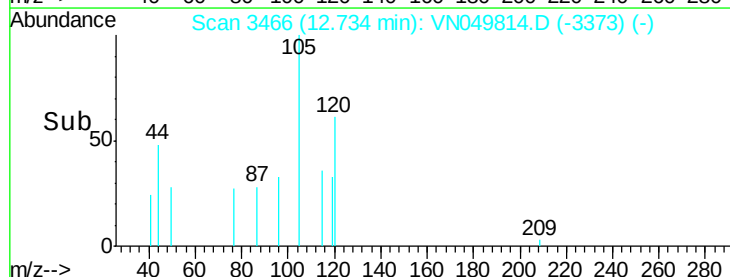
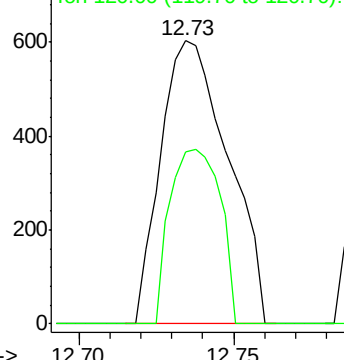
Ion Ratio Lower Upper

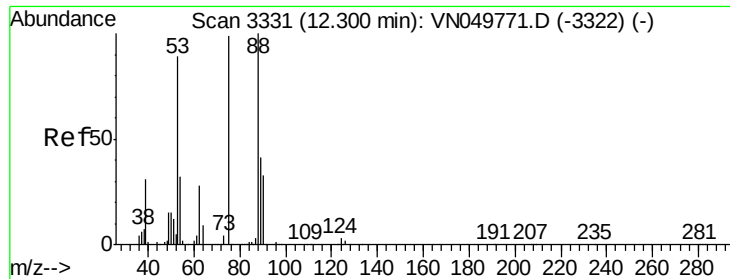
105 100

120 45.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 109.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

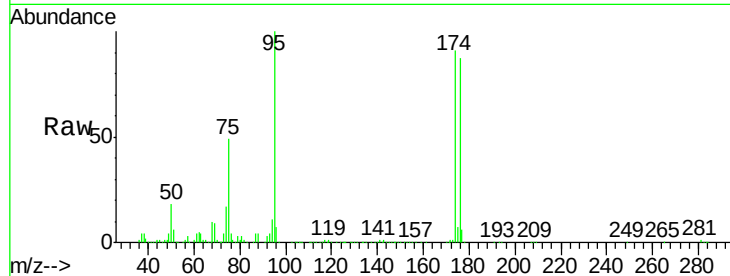
Tot Ion: 75 Resp: 321717

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

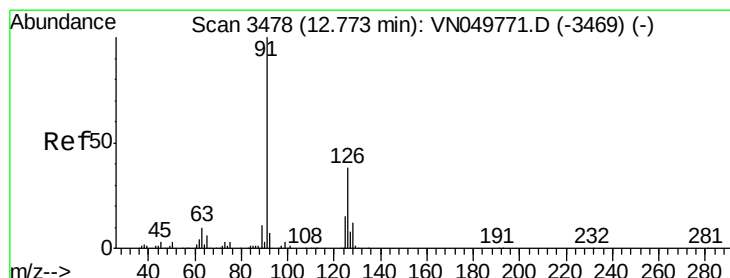
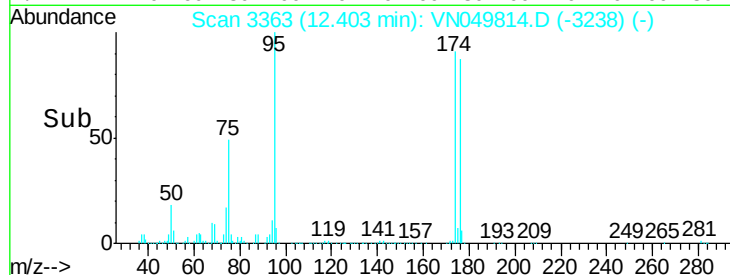
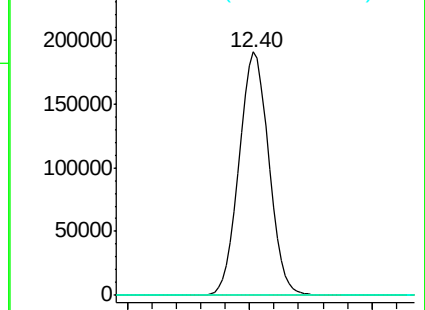
89 0.1 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.07 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049814.D

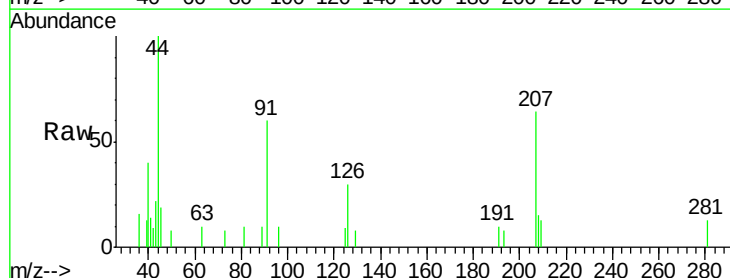
Acq: 13 Jul 2018 23:30

Tgt Ion: 91 Resp: 2085

Ion Ratio Lower Upper

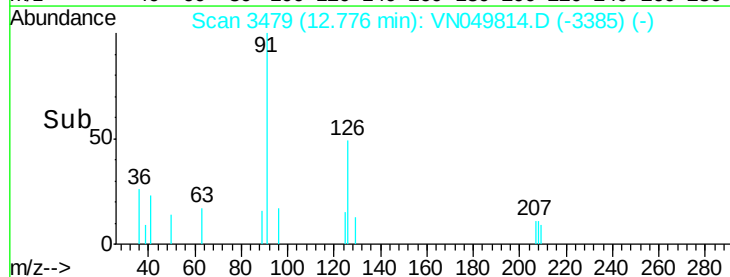
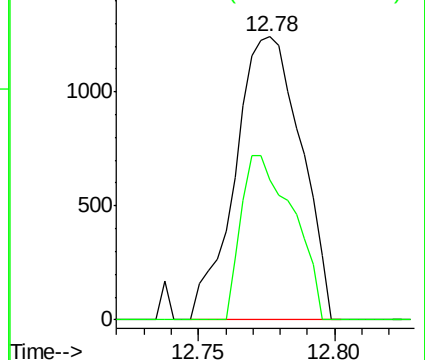
91 100

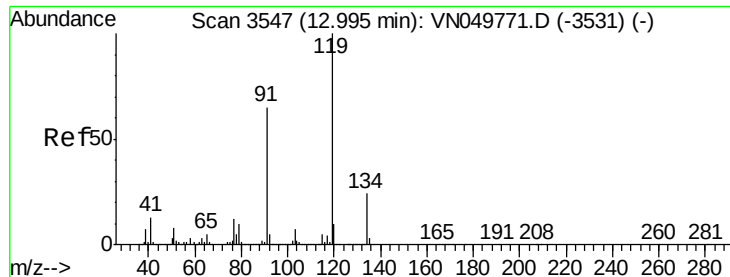
126 46.1 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.02 ug/l

RT: 13.00 min Scan# 3549

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

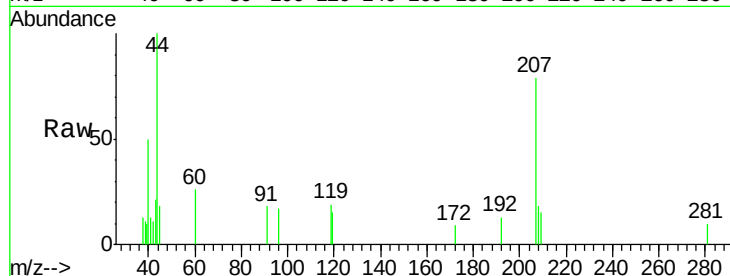
Tot Ion:119 Resp: 607

Ion Ratio Lower Upper

119 100

91 61.1 32.0 96.2

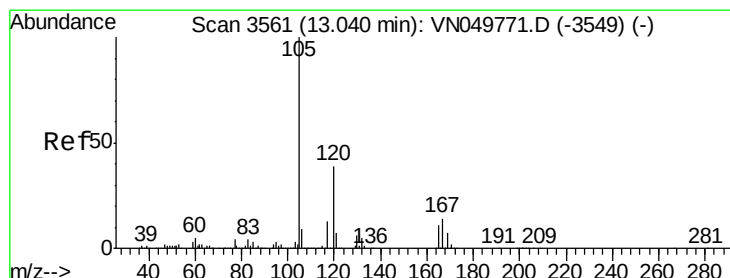
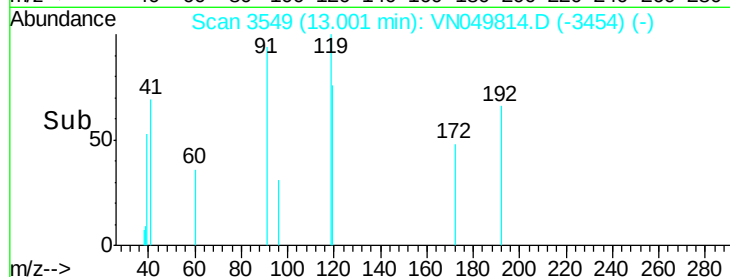
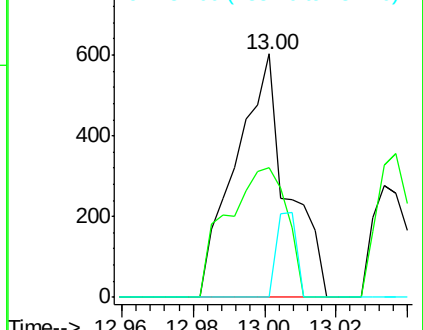
134 13.3 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.03 ug/l

RT: 13.05 min Scan# 3563

Delta R.T. 0.01 min

Lab File: VN049814.D

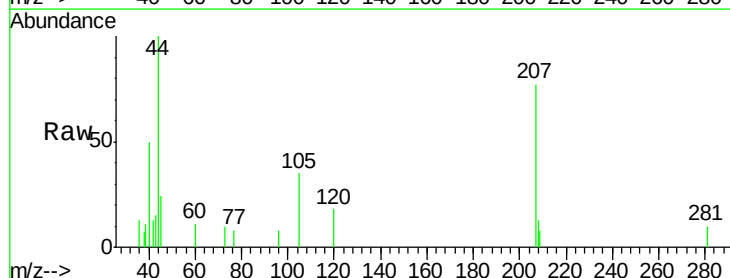
Acq: 13 Jul 2018 23:30

Tgt Ion:105 Resp: 1219

Ion Ratio Lower Upper

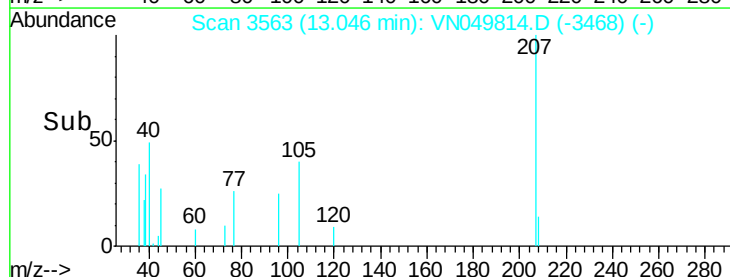
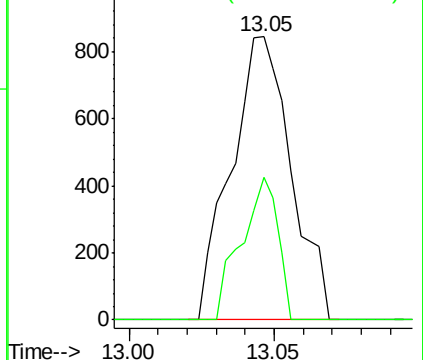
105 100

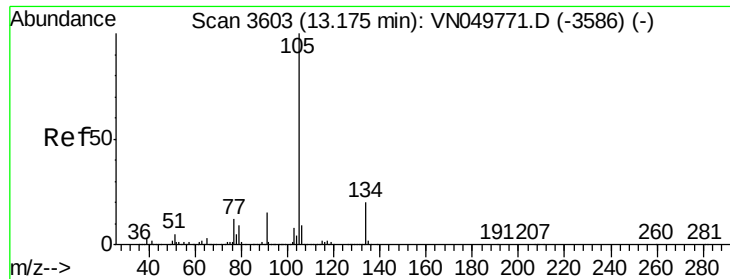
120 30.6 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.02 ug/l

RT: 13.18 min Scan# 3605

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

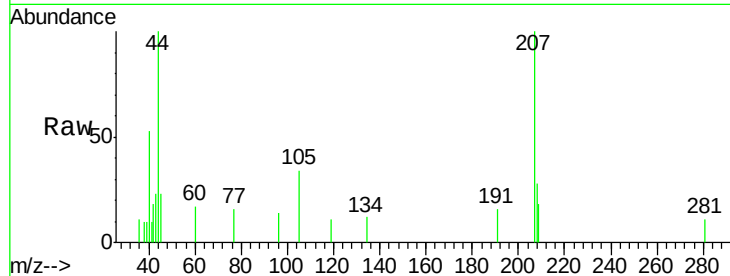
VN0713WBL02

Tot Ion:105 Resp: 979

Ion Ratio Lower Upper

105 100

134 7.4 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

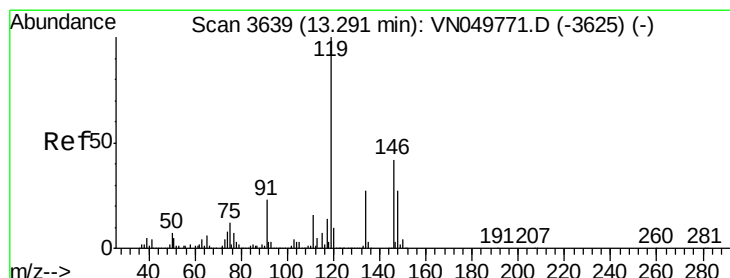
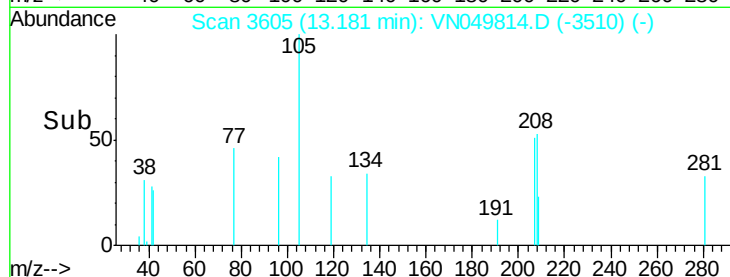
600

400

200

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.03 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

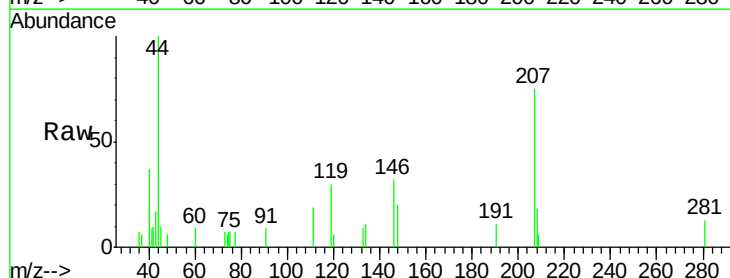
Tgt Ion:119 Resp: 1126

Ion Ratio Lower Upper

119 100

134 25.0 13.3 39.9

91 21.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

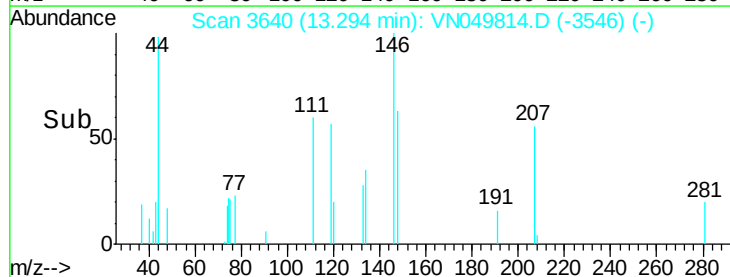
1500

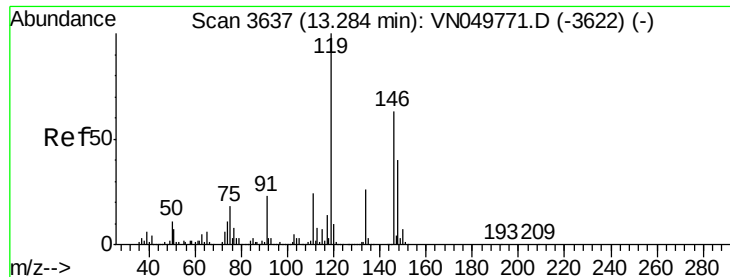
1000

500

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 0.04 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.01 min

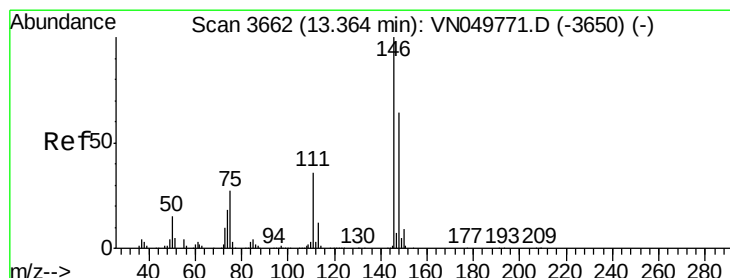
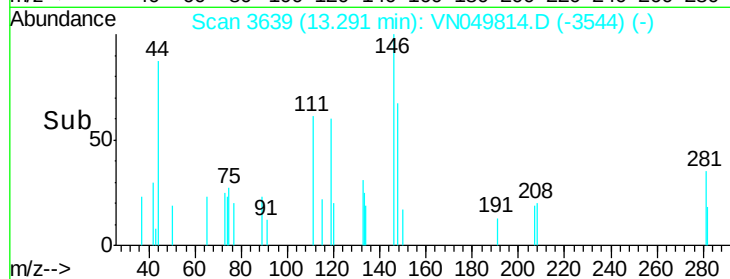
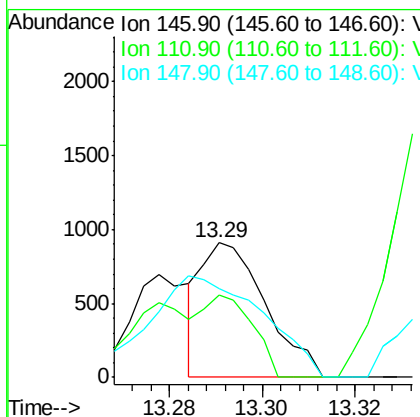
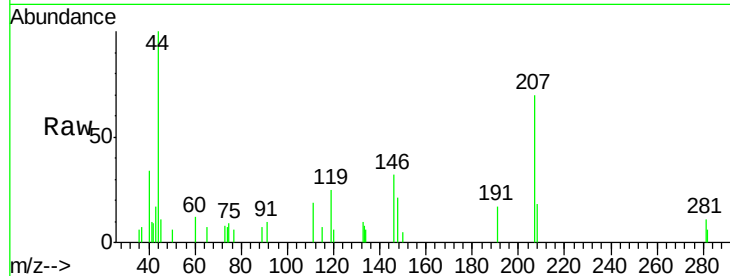
Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBL02

Tot Ion:146 Resp: 869

Ion	Ratio	Lower	Upper
146	100		
111	48.6	19.0	57.0
148	133.3	32.5	97.5#



#88

1,4-Dichlorobenzene

Concen: 0.12 ug/l

RT: 13.36 min Scan# 3662

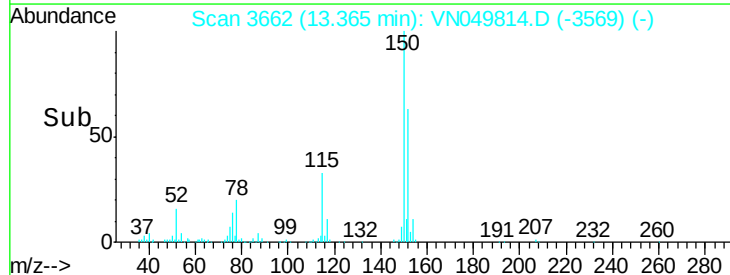
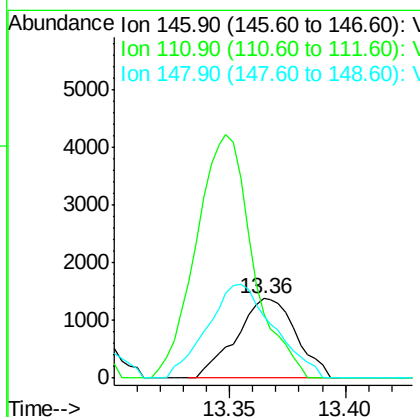
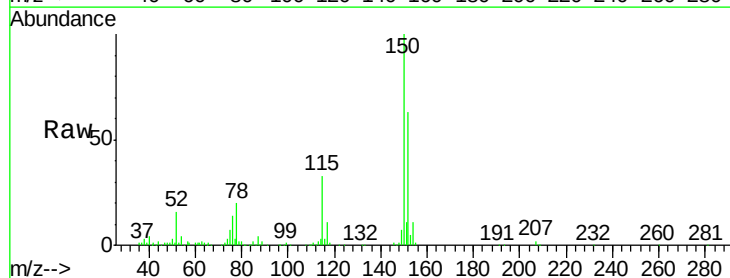
Delta R.T. 0.00 min

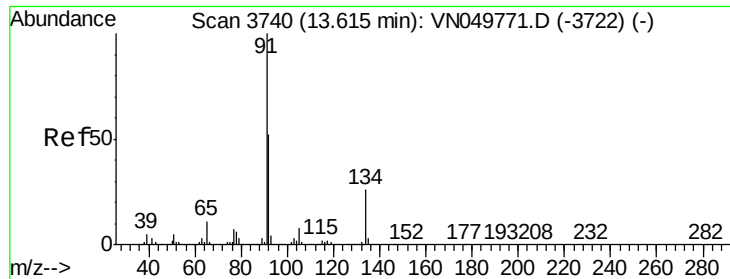
Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Tgt Ion:146 Resp: 2464

Ion	Ratio	Lower	Upper
146	100		
111	289.2	18.9	56.5#
148	131.3	32.1	96.3#





#89

n-Butylbenzene

Concen: 0.02 ug/l

RT: 13.61 min Scan# 3737

Delta R.T. -0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

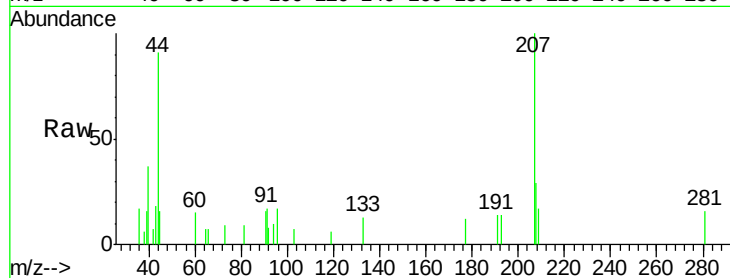
Tot Ion: 91 Resp: 689

Ion Ratio Lower Upper

91 100

92 69.7 25.8 77.3

134 10.3 13.0 38.9#

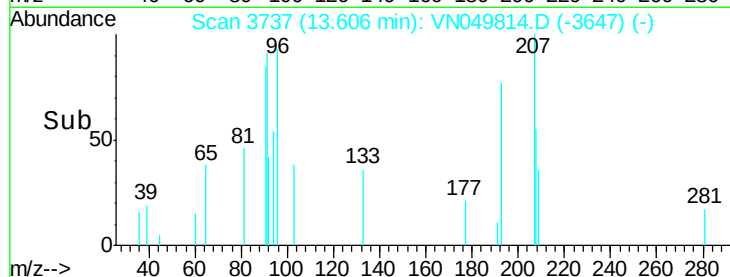


Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3722) (-)

Ion 92.00 (91.70 to 92.70): VN049771.D (-3722) (-)

Ion 134.00 (133.70 to 134.70): VN049771.D (-3722) (-)

Time-->

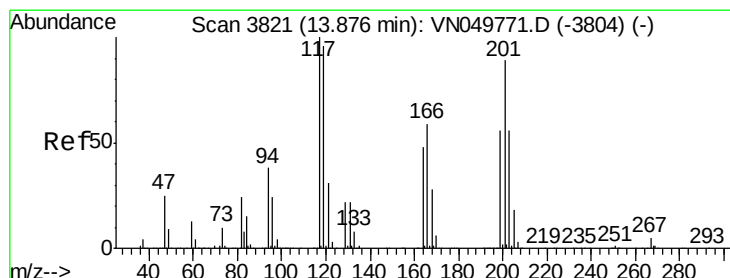


Abundance Ion 91.00 (90.70 to 91.70): VN049814.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN049814.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN049814.D (-3647) (-)

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN049814.D

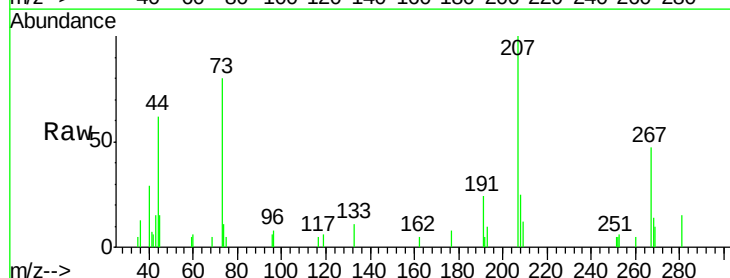
Acq: 13 Jul 2018 23:30

Tgt Ion: 117 Resp: 66

Ion Ratio Lower Upper

117 100

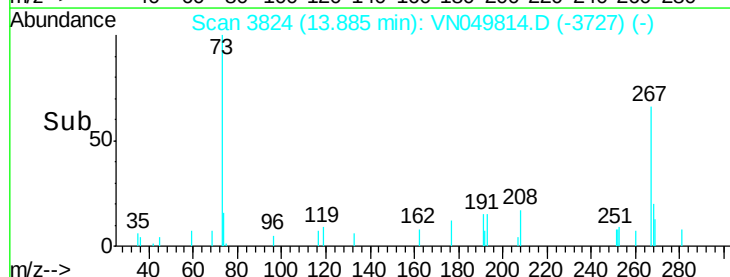
201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): VN049771.D (-3804) (-)

Ion 200.70 (200.40 to 201.40): VN049771.D (-3804) (-)

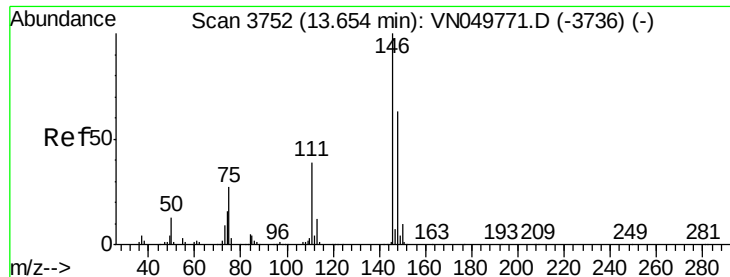
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN049814.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049814.D (-3727) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.08 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

VN0713WBL02

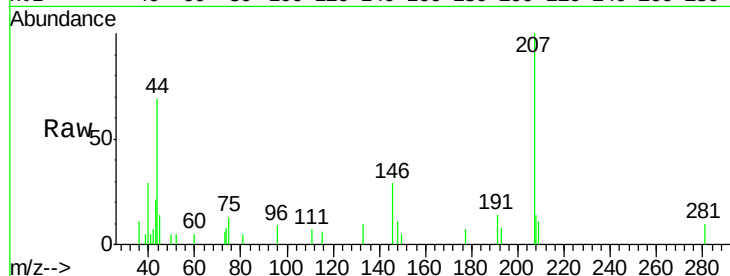
Tot Ion:146 Resp: 1622

Ion Ratio Lower Upper

146 100

111 22.0 19.7 59.1

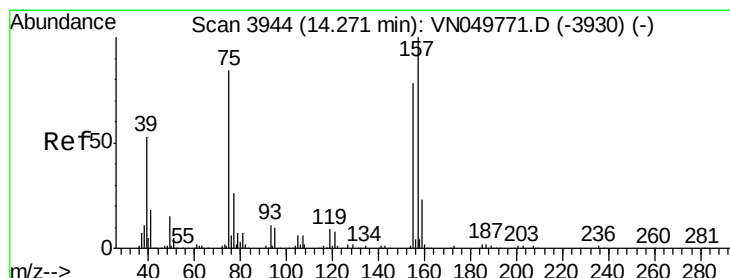
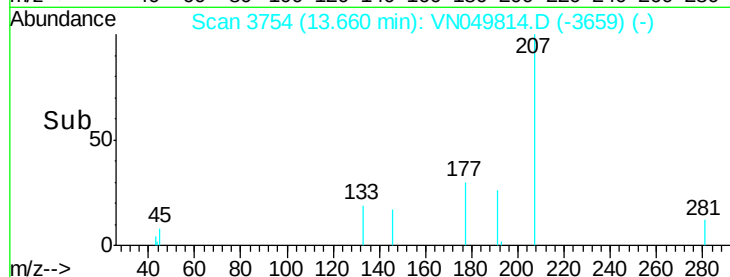
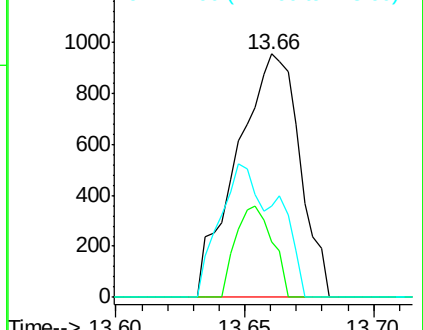
148 34.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.29 min Scan# 3949

Delta R.T. 0.02 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

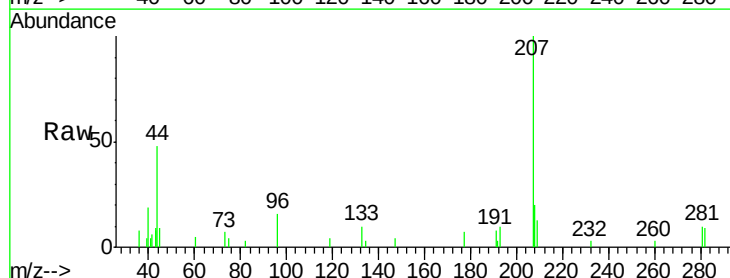
Tgt Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

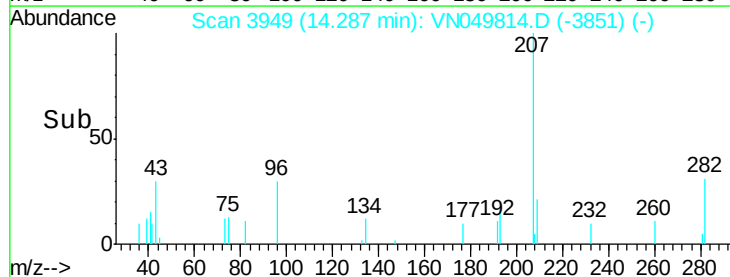
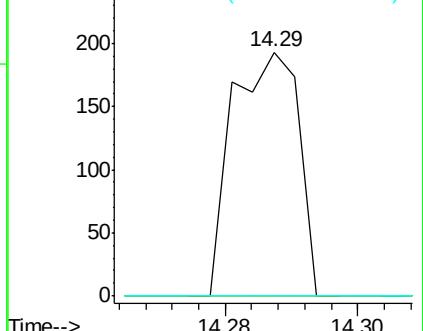
157 0.0 56.9 170.7#

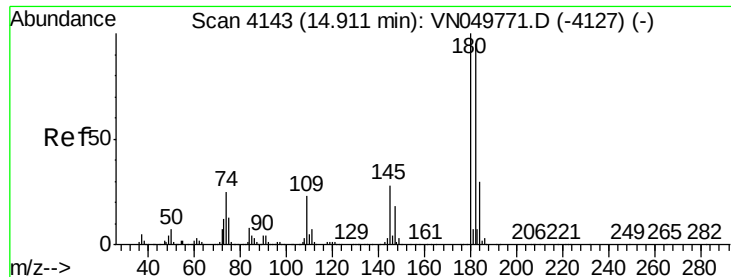


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

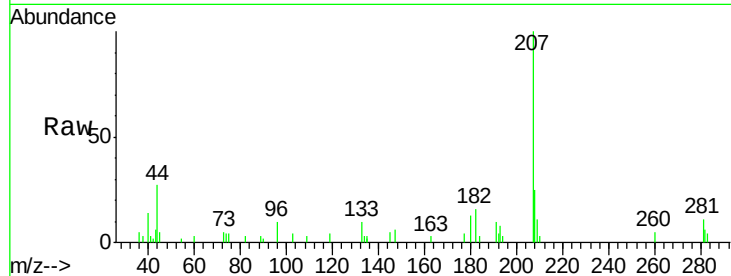




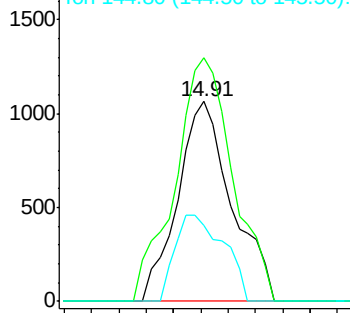
#93
 1,2,4-Trichlorobenzene
 Concen: 3.02 ua/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBL02

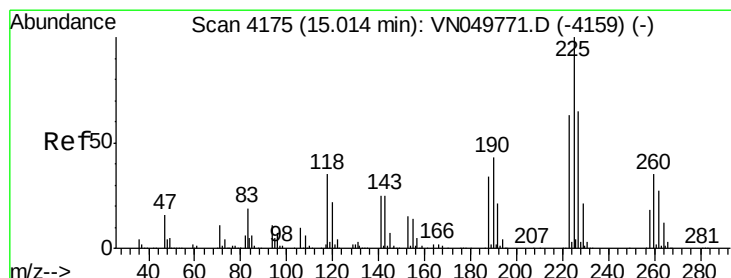
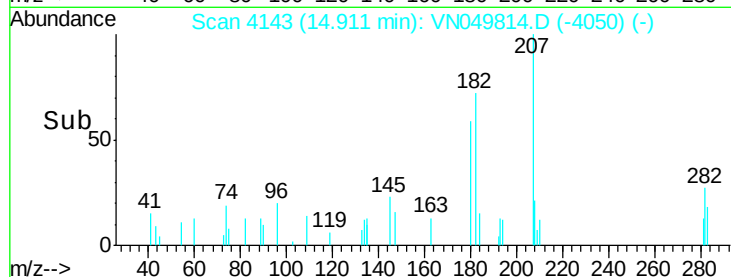
Tot Ion:180 Resp: 1463
 Ion Ratio Lower Upper
 180 100
 182 130.4 47.3 141.9
 145 39.0 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

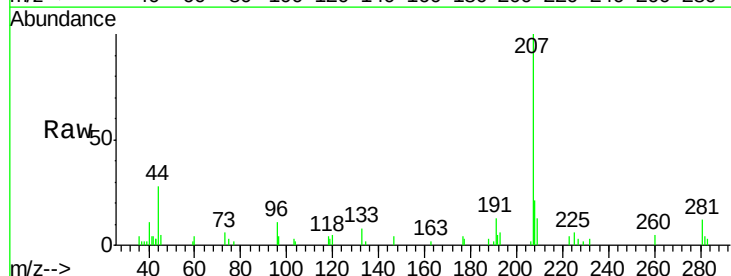


Time-->

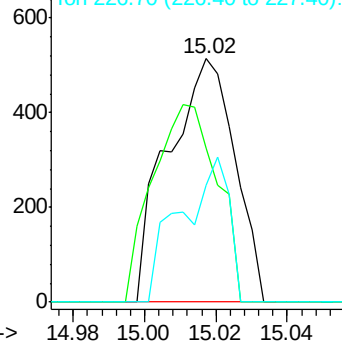


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN049814.D
 Acq: 13 Jul 2018 23:30

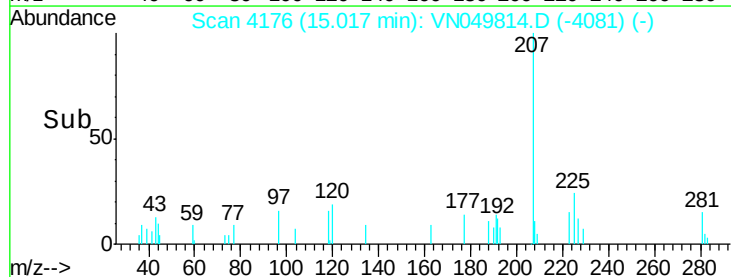
Tgt Ion:225 Resp: 667
 Ion Ratio Lower Upper
 225 100
 223 78.1 30.9 92.7
 227 43.3 31.8 95.4

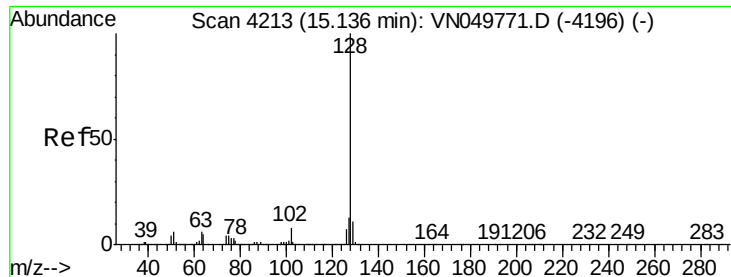


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 4.16 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBL02

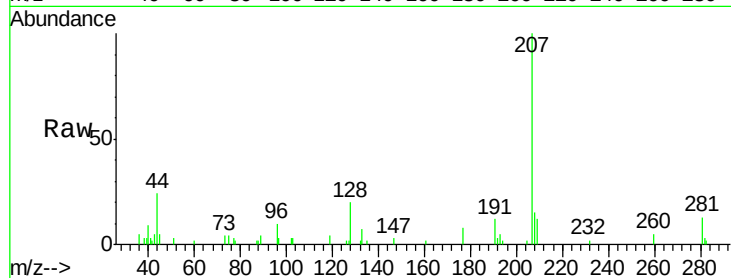
Tot Ion:128 Resp: 3417

Ion Ratio Lower Upper

128 100

127 4.3 10.4 15.6#

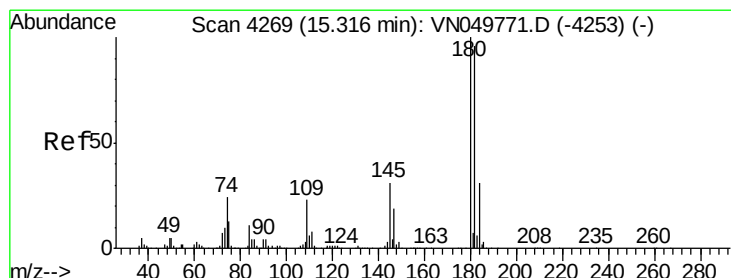
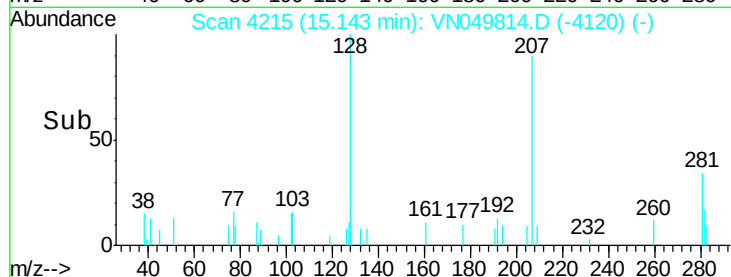
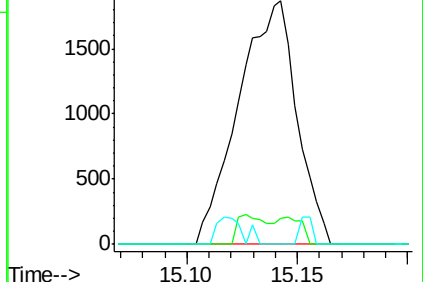
129 2.4 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.16 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049814.D

Acq: 13 Jul 2018 23:30

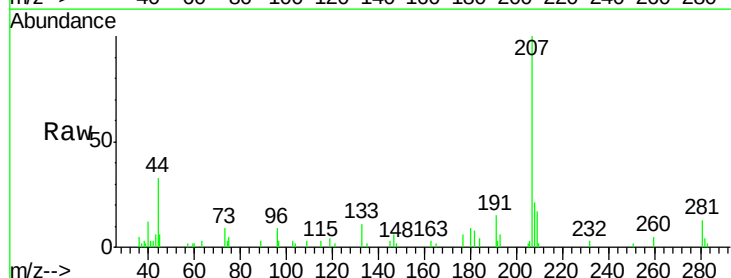
Tgt Ion:180 Resp: 1592

Ion Ratio Lower Upper

180 100

182 83.1 47.4 142.2

145 25.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

