

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049818.D
 Acq On : 14 Jul 2018 1:13
 Operator : MD\SY
 Sample : PB111069ZHE#15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

Quant Time: Jul 14 01:40:47 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	1144052	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1851826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1526189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	561375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	772401	58.04	ug/l	0.00
Spiked Amount			Recovery	=	116.08%	
35) Dibromofluoromethane	7.59	113	705290	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
50) Toluene-d8	10.09	98	2487200	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.40	95	686574	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	263	Below Cal	#	44
3) Chloromethane	2.07	50	1831	Below Cal		100
4) Vinyl Chloride	2.19	62	630	Below Cal	#	1
5) Bromomethane	2.58	94	1774	Below Cal	#	69
6) Chloroethane	2.69	64	362	0.04	ug/l	92
7) Trichlorofluoromethane	3.02	101	137	0.01	ug/l	# 17
8) Diethyl Ether	3.42	74	71	0.01	ug/l	# 1
10) Methyl Iodide	3.96	142	387	0.02	ug/l	# 53
11) Tert butyl alcohol	4.76	59	419	0.47	ug/l	# 72
12) 1,1-Dichloroethene	3.73	96	73	0.01	ug/l	# 63
13) Acrolein	3.61	56	395	0.50	ug/l	# 68
14) Allyl chloride	4.33	41	641	0.03	ug/l	# 78
15) Acrylonitrile	4.98	53	31	0.01	ug/l	# 1
16) Acetone	3.83	43	28646	6.72	ug/l	94
17) Carbon Disulfide	4.04	76	2558	Below Cal	#	75
18) Methyl Acetate	4.34	43	69165	5.57	ug/l	100
20) Methylene Chloride	4.55	84	29468	1.26	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	315	0.02	ug/l	# 19
22) Diisopropyl ether	5.95	45	113	0.00	ug/l	# 49
23) Vinyl Acetate	5.91	43	196	0.01	ug/l	# 72
25) 2-Butanone	6.84	43	2326	0.45	ug/l	# 79
26) 2,2-Dichloropropane	6.82	77	528	0.02	ug/l	# 52
27) cis-1,2-Dichloroethene	6.81	96	68	0.00	ug/l	# 1
29) Tetrahydrofuran	7.22	42	1272	0.39	ug/l	# 75
30) Chloroform	7.38	83	104	0.00	ug/l	# 18
31) Cyclohexane	7.66	56	22426	0.83	ug/l	# 1
32) 1,1,1-Trichloroethane	7.68	97	30	0.00	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	79742	3.74	ug/l	# 49
37) Ethyl Acetate	6.94	43	177	0.01	ug/l	# 68
38) Carbon Tetrachloride	7.67	117	102961	4.62	ug/l	# 16
39) Methylcyclohexane	9.08	83	227	0.01	ug/l	# 19
40) Benzene	8.05	78	1175	0.02	ug/l	# 29
41) Methacrylonitrile	7.17	41	184	0.03	ug/l	# 33
42) 1,2-Dichloroethane	8.14	62	64	0.00	ug/l	# 74

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 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)

43) Isopropyl Acetate	8.25	43	269808	11.88	ug/l #	62
44) Trichloroethene	8.84	130	420	0.02	ug/l	51
45) 1,2-Dichloropropane	9.12	63	97	0.01	ug/l #	1
46) Dibromomethane	9.20	93	29	0.00	ug/l #	1
47) Bromodichloromethane	9.40	83	70	0.00	ug/l #	26
48) Methyl methacrylate	9.19	41	585	0.05	ug/l #	17
49) 1,4-Dioxane	8.95	88	104	0.70	ug/l #	26
51) 4-Methyl-2-Pentanone	9.99	43	3134	0.25	ug/l	91
52) Toluene	10.16	92	1302	0.03	ug/l	86
53) t-1,3-Dichloropropene	10.40	75	246	0.01	ug/l #	1
54) cis-1,3-Dichloropropene	9.85	75	126	0.01	ug/l #	27
55) 1,1,2-Trichloroethane	10.57	97	694	Below	Cal #	15
56) Ethyl methacrylate	10.43	69	153	0.01	ug/l #	1
57) 1,3-Dichloropropane	10.71	76	133	0.01	ug/l #	42
59) 2-Hexanone	10.76	43	835	0.10	ug/l	80
60) Dibromochloromethane	10.63	129	296	0.02	ug/l #	11
61) 1,2-Dibromoethane	11.00	107	129	0.01	ug/l #	68
64) Tetrachloroethene	10.63	164	309	0.02	ug/l #	69
65) Chlorobenzene	11.43	112	5066	0.13	ug/l	94
67) Ethyl Benzene	11.51	91	1803	0.03	ug/l	92
68) m/p-Xylenes	11.62	106	1325	0.05	ug/l	82
69) o-Xylene	11.96	106	254	0.01	ug/l #	1
70) Styrene	11.97	104	1427	0.04	ug/l #	83
71) Bromoform	12.40	173	5679	0.56	ug/l #	1
73) Isopropylbenzene	12.25	105	879	0.02	ug/l #	48
74) N-amyl acetate	12.04	43	1456	0.12	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.50	83	62	Below	Cal #	25
76) 1,2,3-Trichloropropane	12.40	75	330944	33.18	ug/l #	100
77) Bromobenzene	12.52	156	269	0.02	ug/l #	1
78) n-propylbenzene	12.60	91	2258	0.04	ug/l	88
79) 2-Chlorotoluene	12.68	91	1105	0.03	ug/l	79
80) 1,3,5-Trimethylbenzene	12.74	105	1093	0.03	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.40	75	330944	107.17	ug/l #	13
82) 4-Chlorotoluene	12.77	91	1663	0.05	ug/l	88
83) tert-Butylbenzene	12.99	119	457	0.01	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.04	105	1490	0.04	ug/l	66
85) sec-Butylbenzene	13.17	105	778	0.02	ug/l #	56
86) p-Isopropyltoluene	13.29	119	1216	0.03	ug/l #	65
87) 1,3-Dichlorobenzene	13.29	146	1665	0.08	ug/l	83
88) 1,4-Dichlorobenzene	13.29	146	1665	0.08	ug/l	84
89) n-Butylbenzene	13.62	91	1322	0.04	ug/l	87
90) Hexachloroethane	13.62	117	117	Below	Cal #	4
91) 1,2-Dichlorobenzene	13.66	146	1342	0.06	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	14.28	75	261	Below	Cal #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1263	2.99	ug/l #	62
94) Hexachlorobutadiene	15.02	225	566	Below	Cal #	35
95) Naphthalene	15.14	128	3291	4.15	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.32	180	1474	0.15	ug/l	89

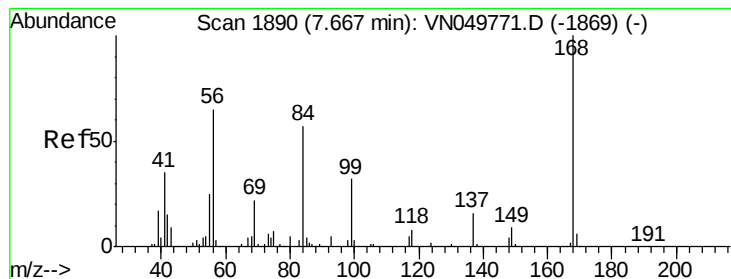
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#)=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: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

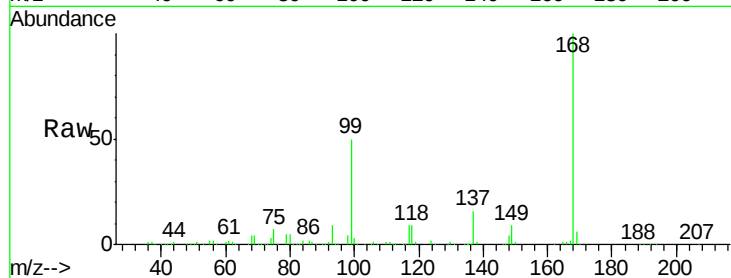
PB111069ZHE#15

Tot Ion:168 Resp: 1144052

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

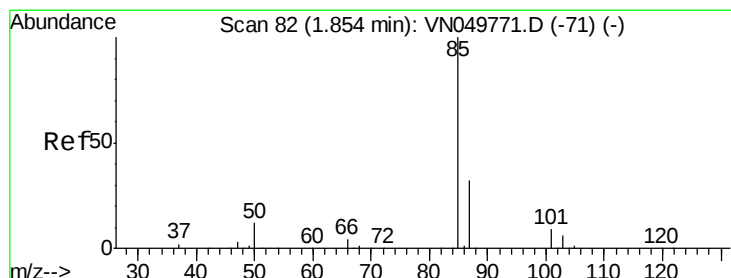
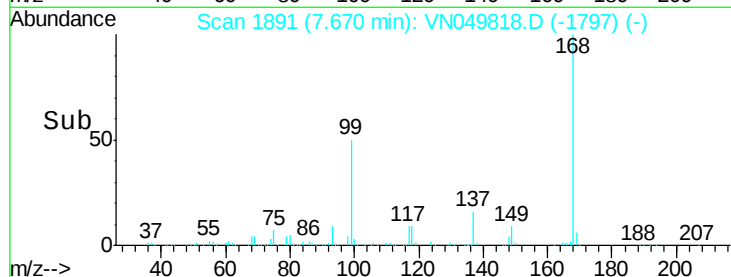
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049818.D

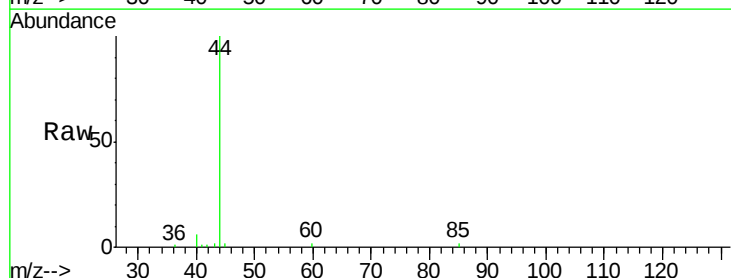
Acq: 14 Jul 2018 1:13

Tgt Ion: 85 Resp: 263

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

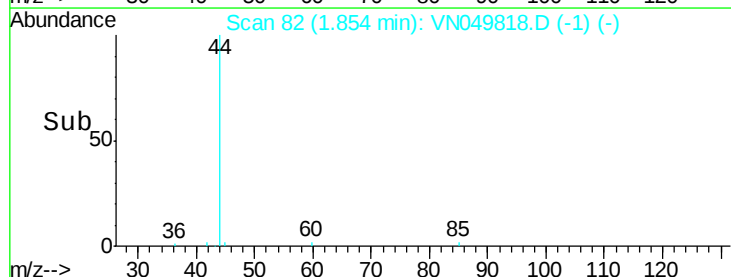
300

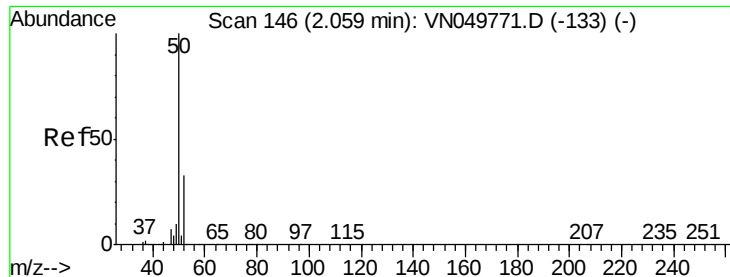
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.07 min Scan# 148

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

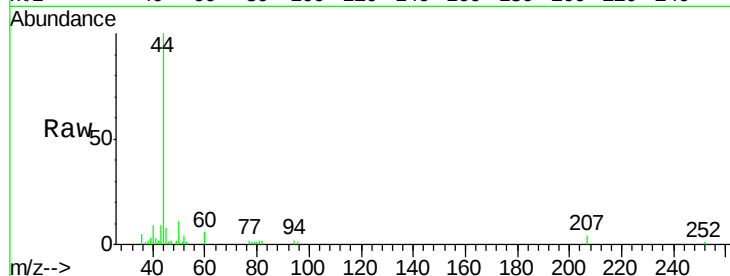
PB111069ZHE#15

Tot Ion: 50 Resp: 1831

Ion Ratio Lower Upper

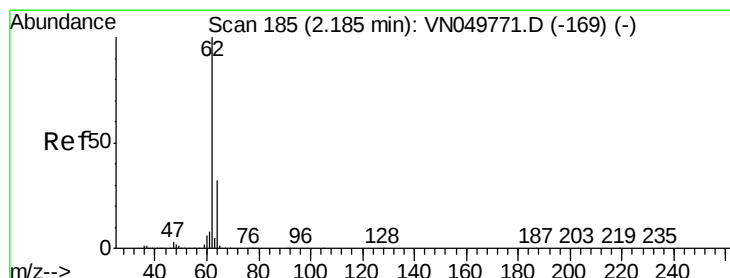
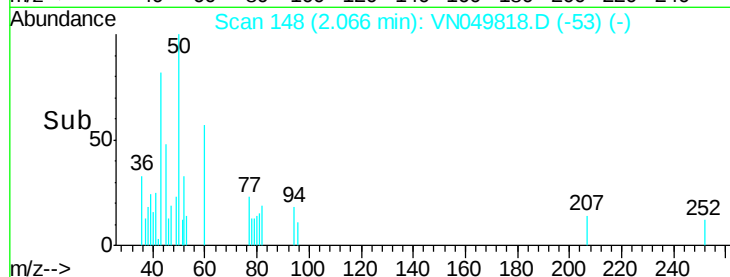
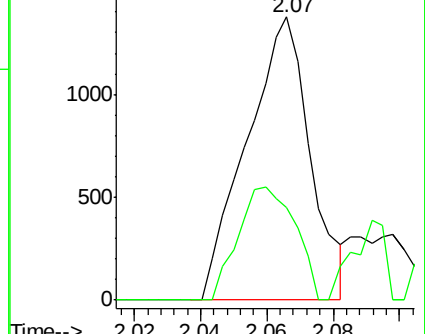
50 100

52 32.8 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: 2.19 min Scan# 186

Delta R.T. 0.00 min

Lab File: VN049818.D

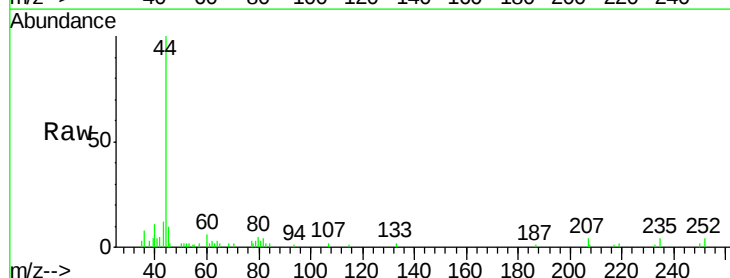
Acq: 14 Jul 2018 1:13

Tgt Ion: 62 Resp: 630

Ion Ratio Lower Upper

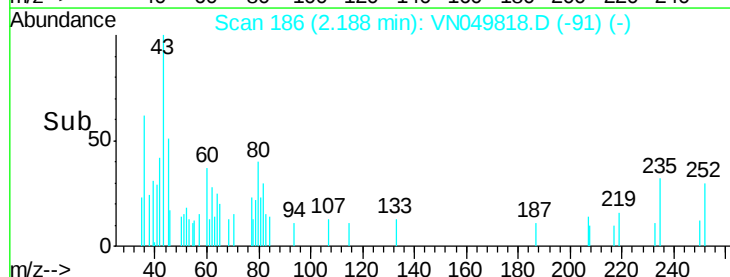
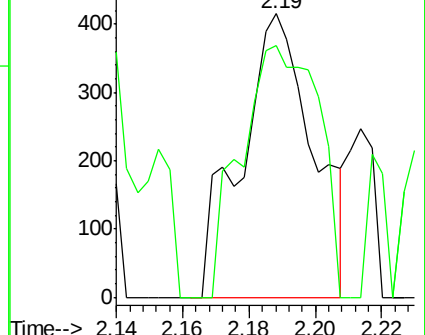
62 100

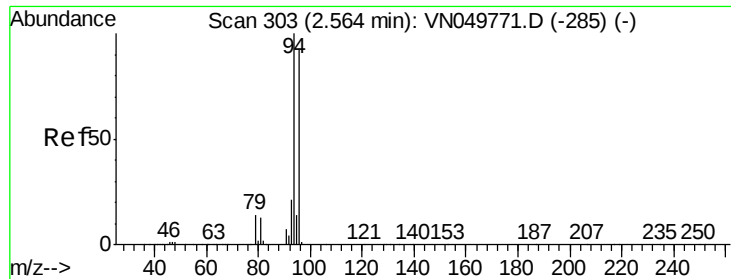
64 88.9 25.4 38.0#



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# 307

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

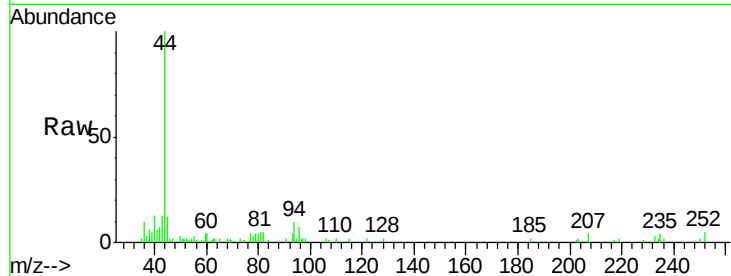
PB111069ZHE#15

Tot Ion: 94 Resp: 1774

Ion Ratio Lower Upper

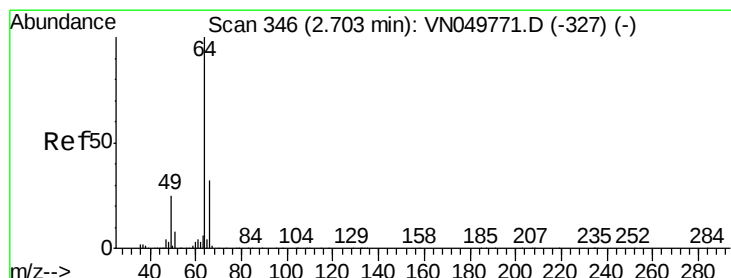
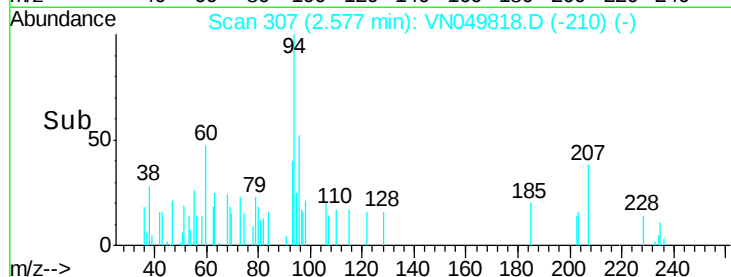
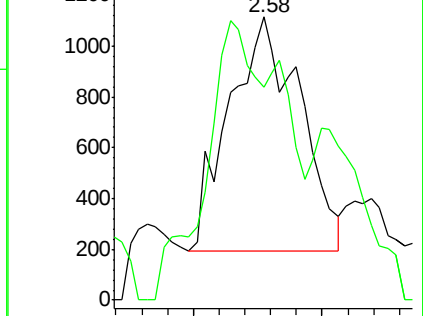
94 100

96 64.2 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 0.04 ug/l

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN049818.D

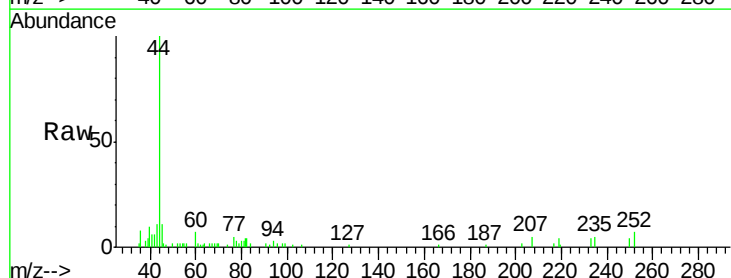
Acq: 14 Jul 2018 1:13

Tgt Ion: 64 Resp: 362

Ion Ratio Lower Upper

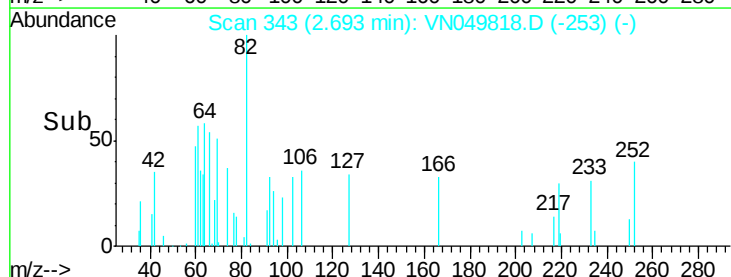
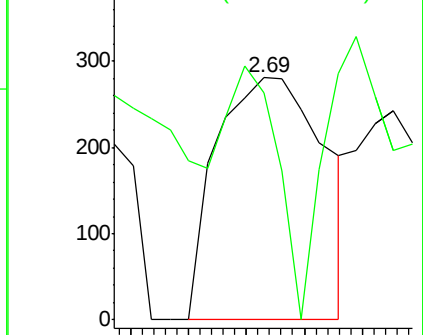
64 100

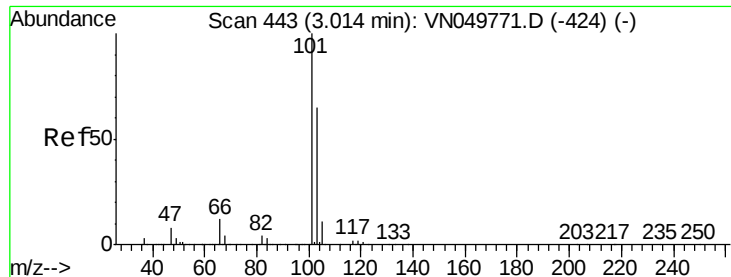
66 27.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 0.01 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

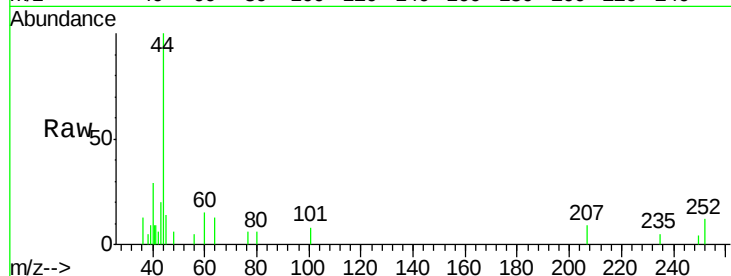
PB111069ZHE#15

Tot Ion:101 Resp: 137

Ion Ratio Lower Upper

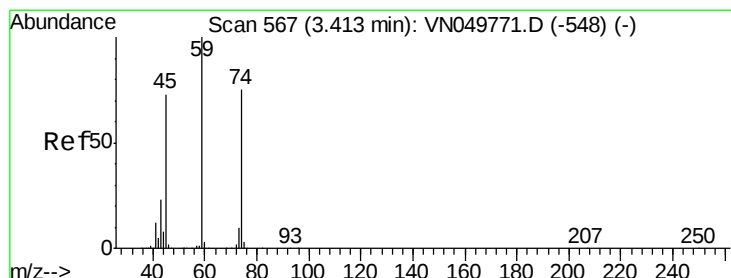
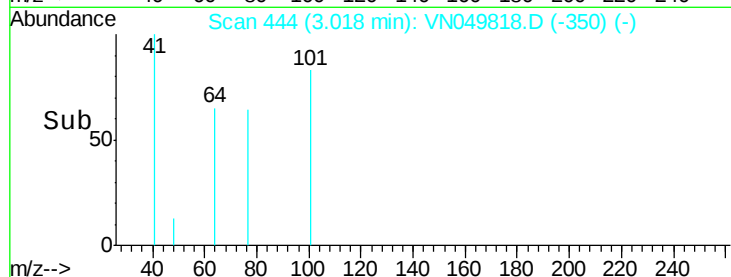
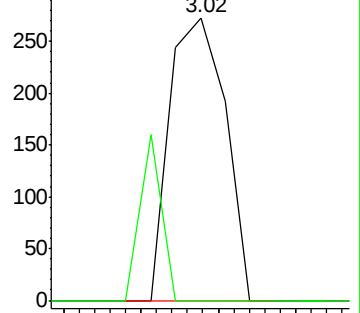
101 100

103 0.0 52.8 79.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.01 ug/l

RT: 3.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN049818.D

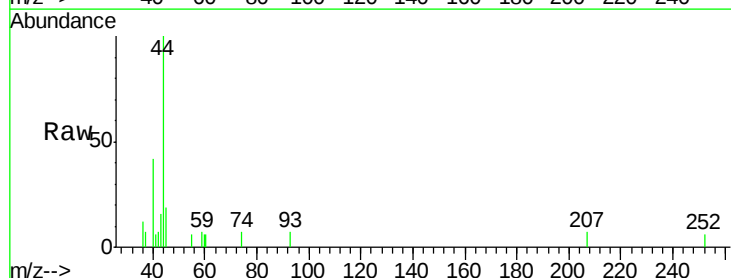
Acq: 14 Jul 2018 1:13

Tgt Ion: 74 Resp: 71

Ion Ratio Lower Upper

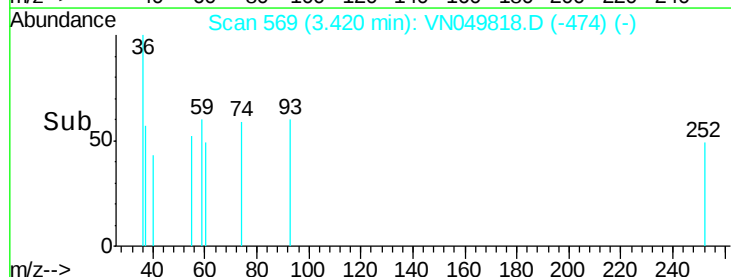
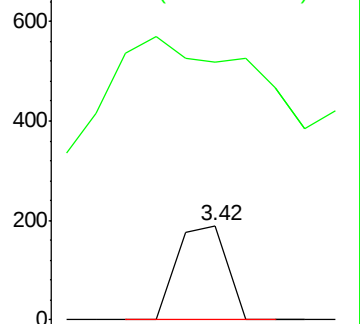
74 100

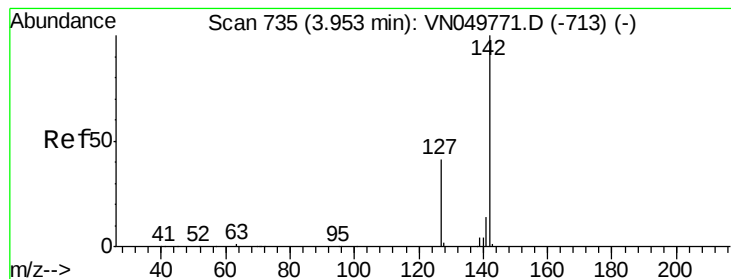
45 745.1 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#10

Methvl Iodide

Concen: 0.02 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

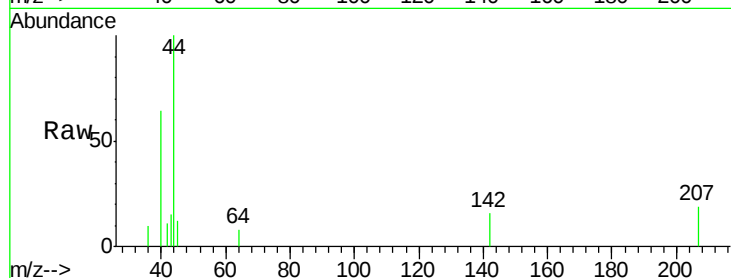
Tot Ion:142 Resp: 387

Ion Ratio Lower Upper

142 100

127 8.8 32.5 48.7#

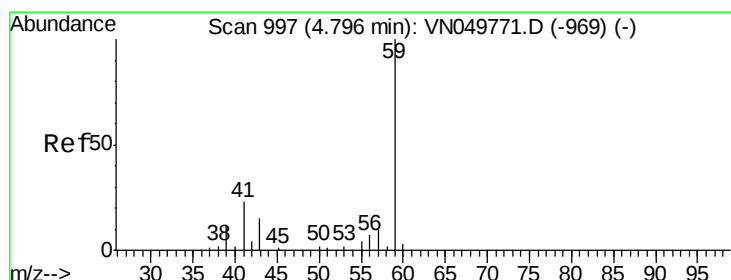
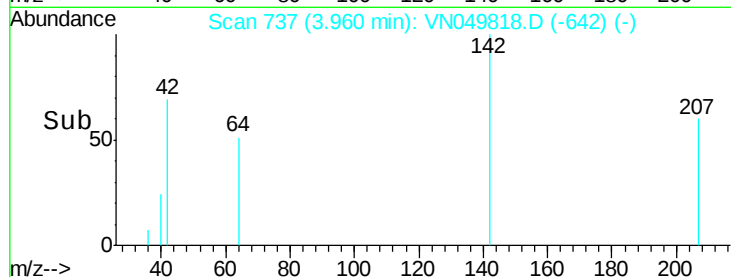
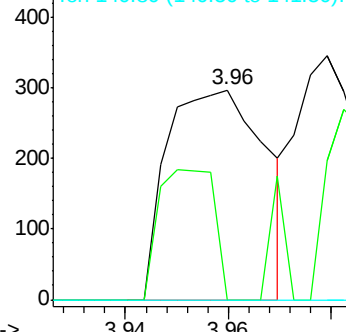
141 0.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.47 ug/l

RT: 4.76 min Scan# 987

Delta R.T. -0.03 min

Lab File: VN049818.D

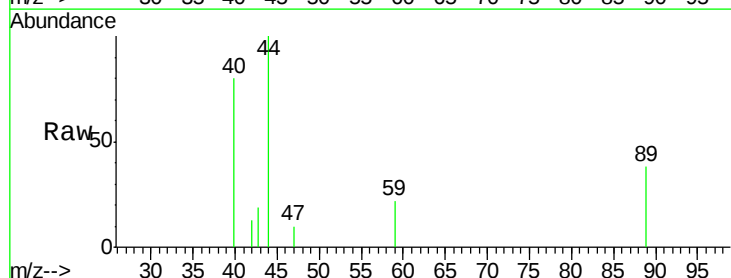
Acq: 14 Jul 2018 1:13

Tgt Ion: 59 Resp: 419

Ion Ratio Lower Upper

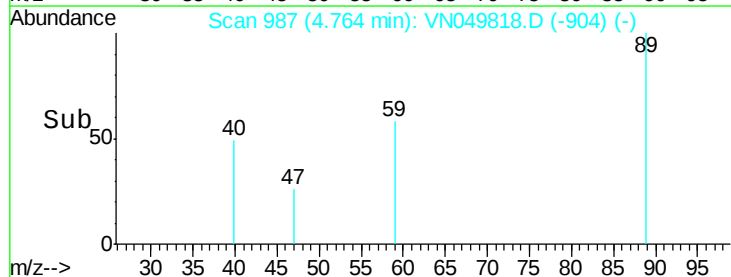
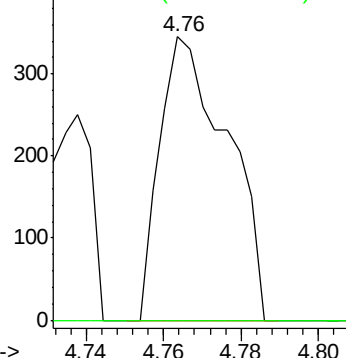
59 100

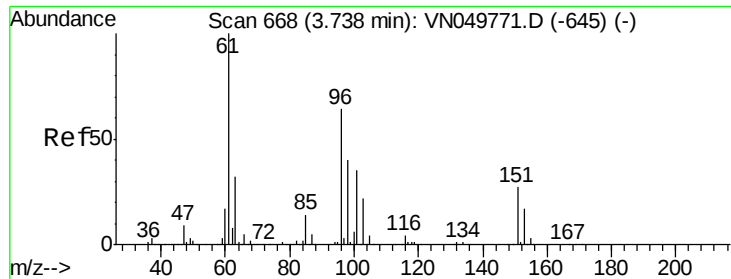
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 0.01 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

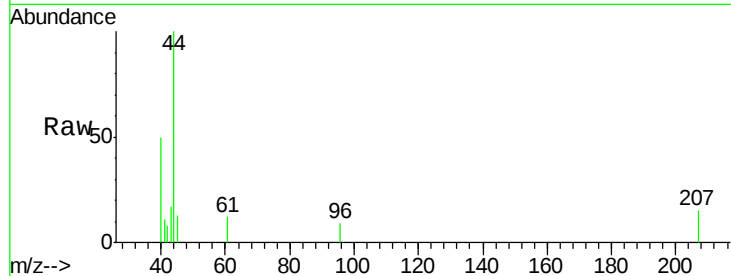
Tot Ion: 96 Resp: 73

Ion Ratio Lower Upper

96 100

61 134.0 126.5 189.7

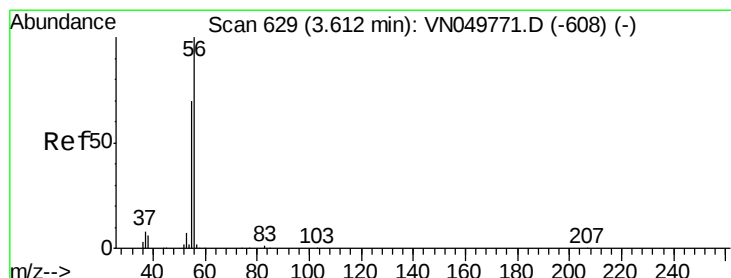
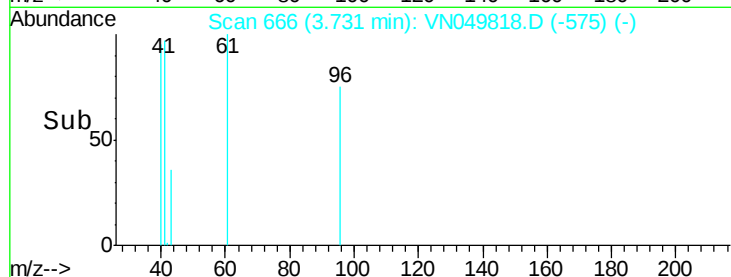
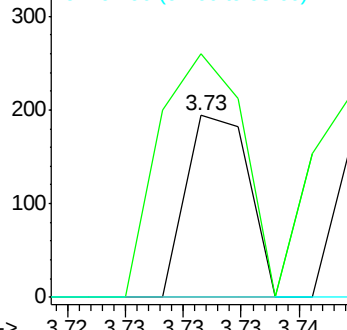
98 0.0 51.0 76.6#



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



#13

Acrolein

Concen: 0.50 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049818.D

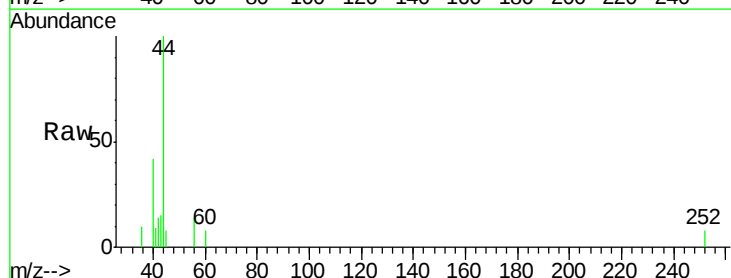
Acq: 14 Jul 2018 1:13

Tgt Ion: 56 Resp: 395

Ion Ratio Lower Upper

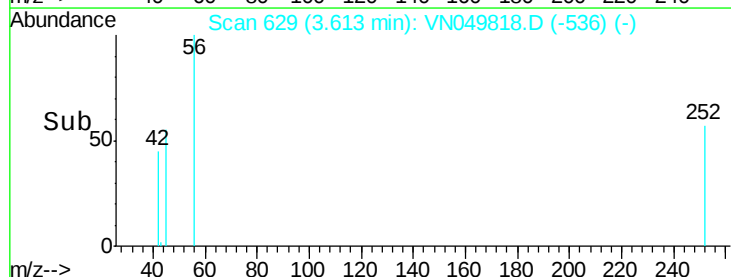
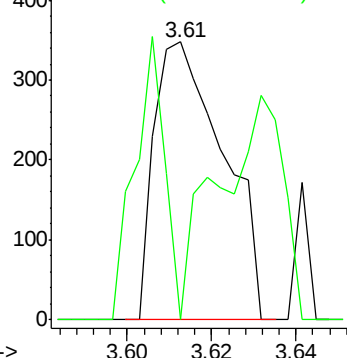
56 100

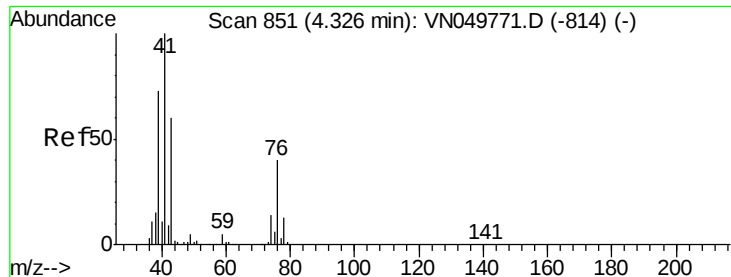
55 43.8 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

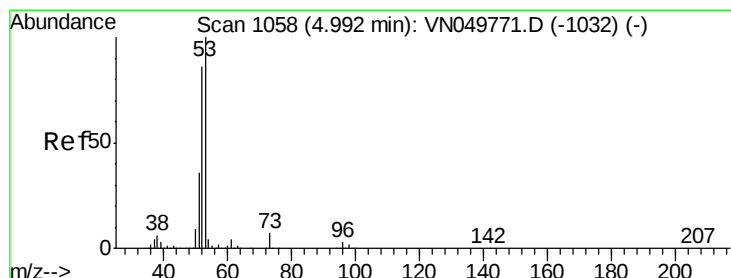
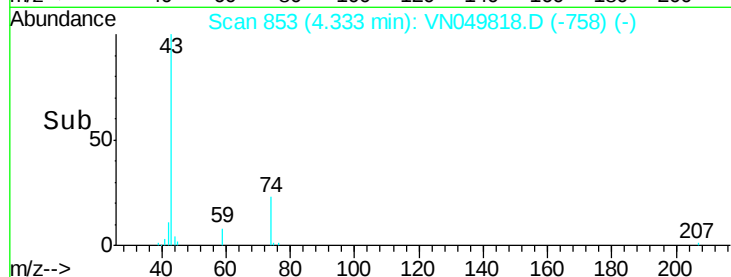
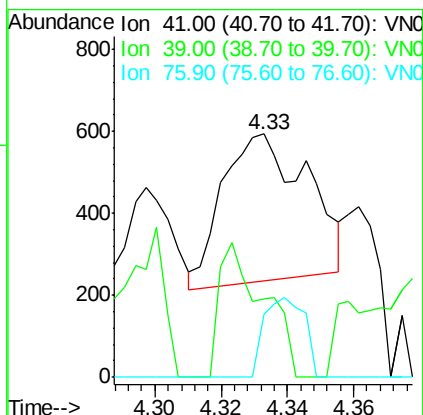
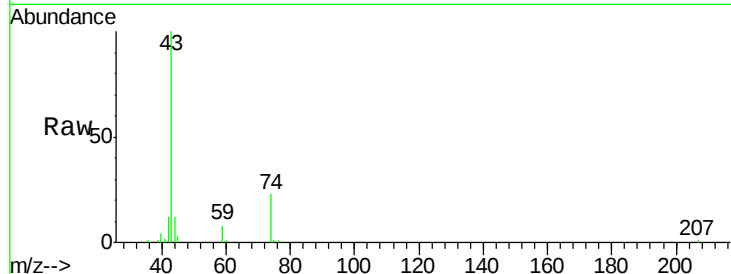




#14
Allvl chloride
Concen: 0.03 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

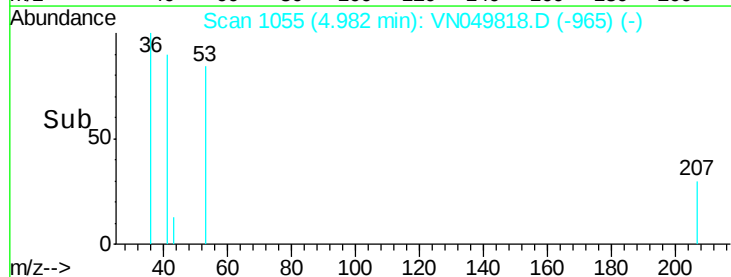
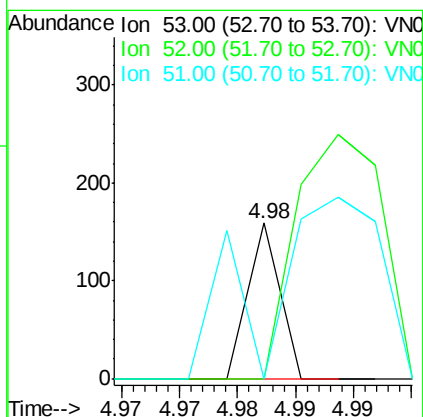
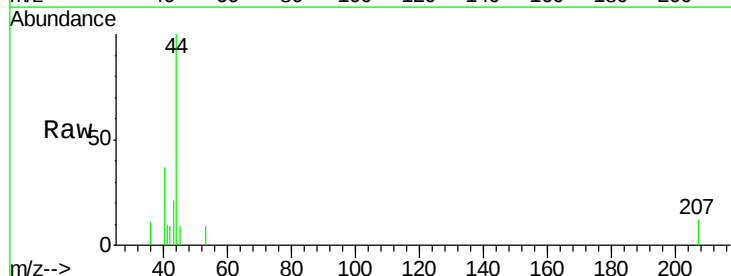
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

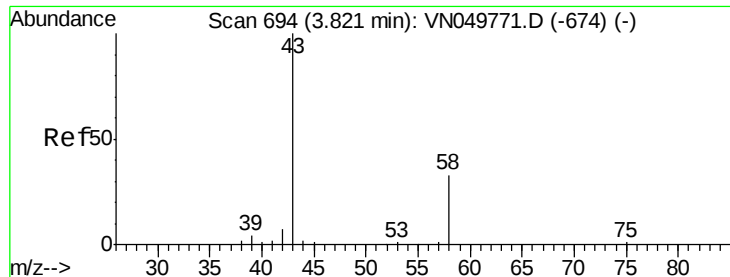
Tot Ion: 41 Resp: 641
Ion Ratio Lower Upper
41 100
39 47.4 53.2 79.8#
76 25.7 29.0 43.6#



#15
Acrylonitrile
Concen: 0.01 ug/l
RT: 4.98 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 53 Resp: 31
Ion Ratio Lower Upper
53 100
52 412.9 64.8 97.2#
51 412.9 28.9 43.3#





#16

Acetone

Concen: 6.72 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

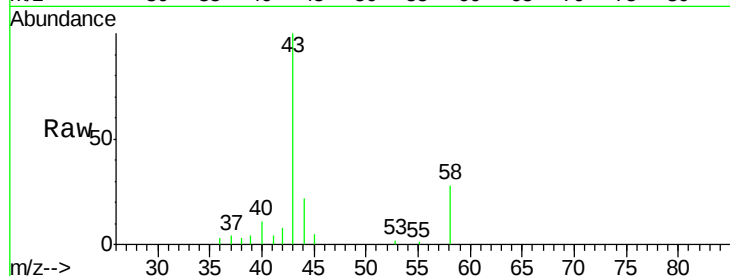
PB111069ZHE#15

Tot Ion: 43 Resp: 28646

Ion Ratio Lower Upper

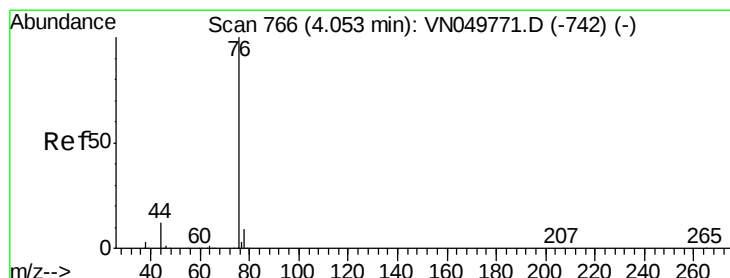
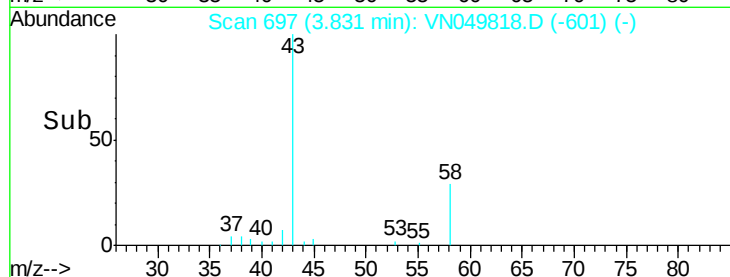
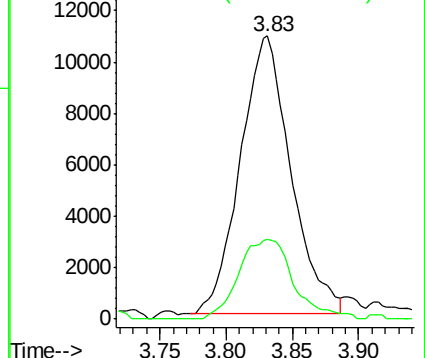
43 100

58 28.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049818.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049818.D (-601) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN049818.D

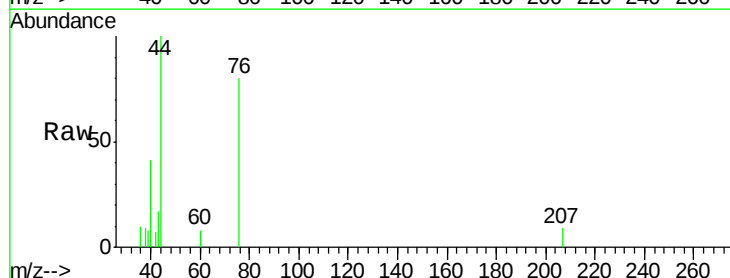
Acq: 14 Jul 2018 1:13

Tgt Ion: 76 Resp: 2558

Ion Ratio Lower Upper

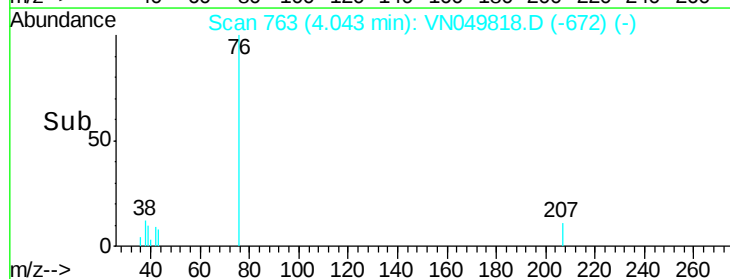
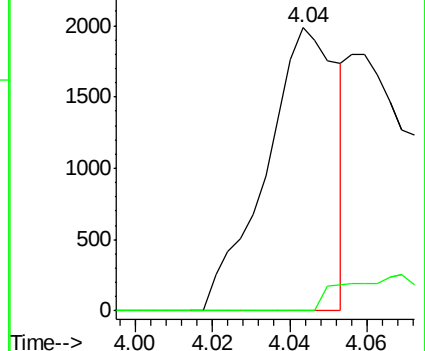
76 100

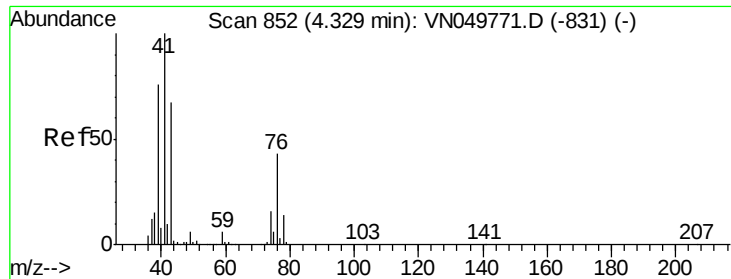
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049818.D (-672) (-)

Ion 77.90 (77.60 to 78.60): VN049818.D (-672) (-)

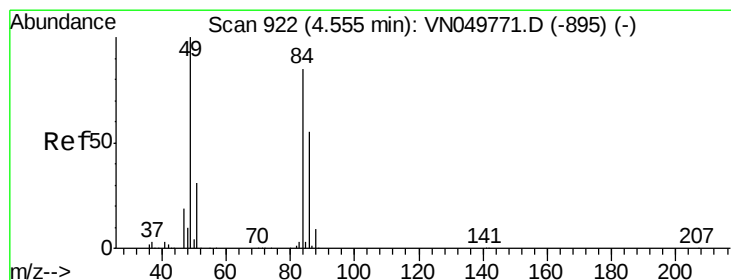
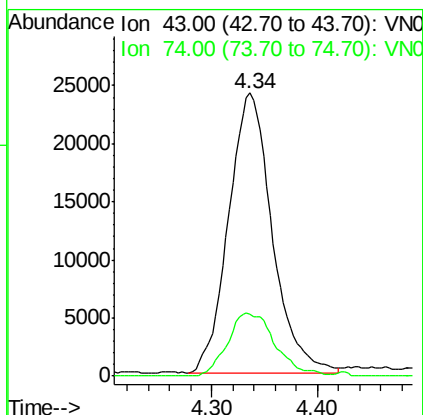
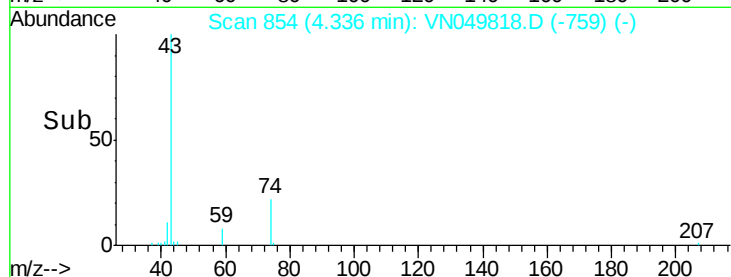
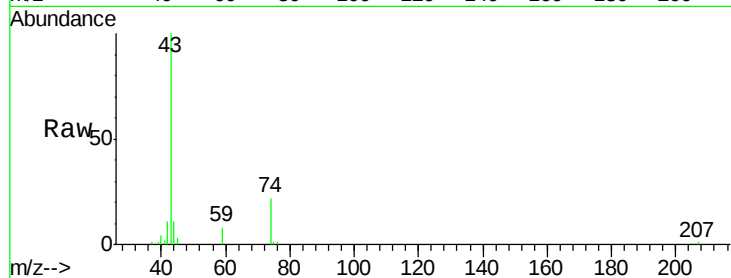




#18
Methvl Acetate
Concen: 5.57 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

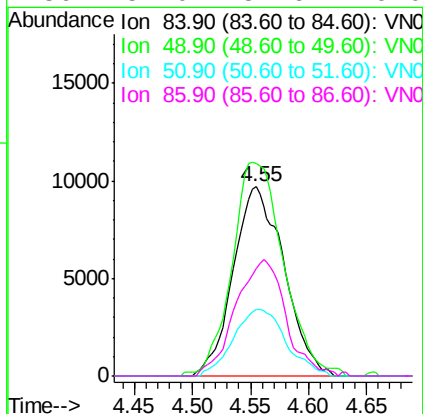
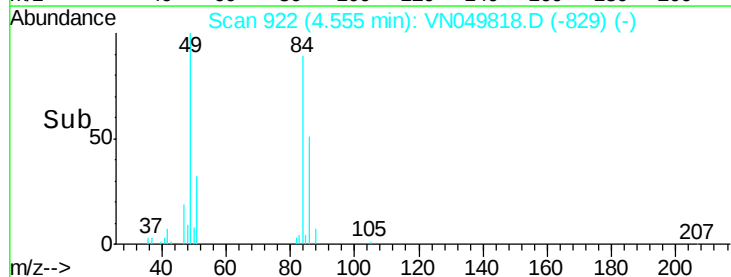
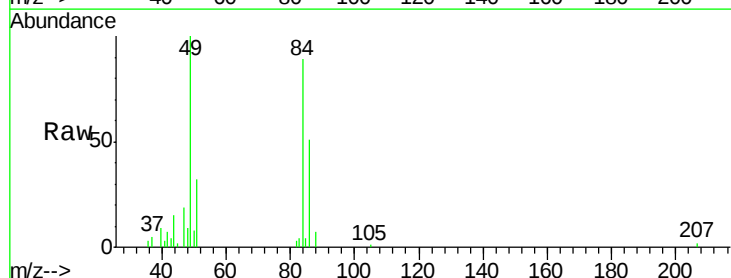
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

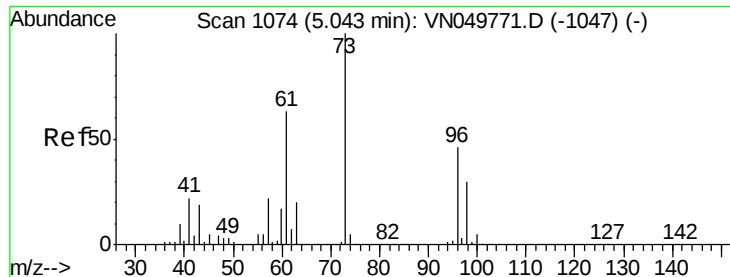
Tot Ion: 43 Resp: 69165
Ion Ratio Lower Upper
43 100
74 24.7 19.8 29.8



#20
Methylene Chloride
Concen: 1.26 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 84 Resp: 29468
Ion Ratio Lower Upper
84 100
49 110.1 95.4 143.2
51 35.5 28.4 42.6
86 57.0 52.6 79.0

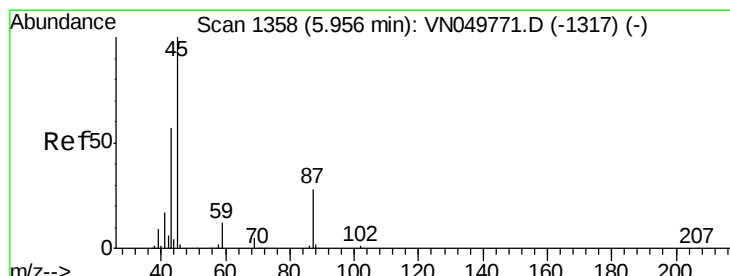
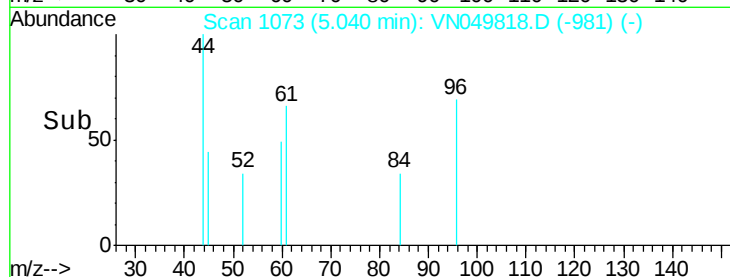
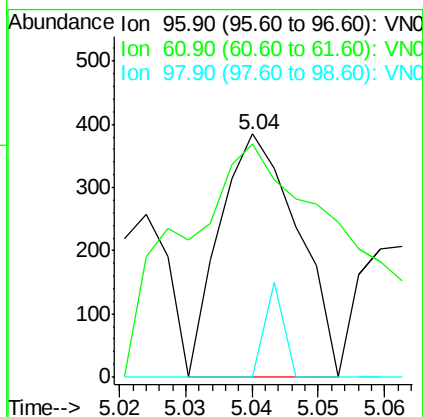
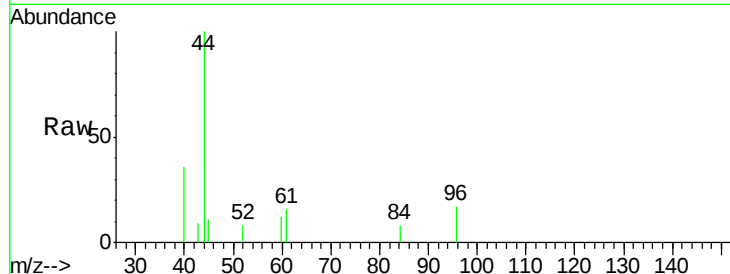




#21
trans-1,2-Dichloroethene
Concen: 0.02 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

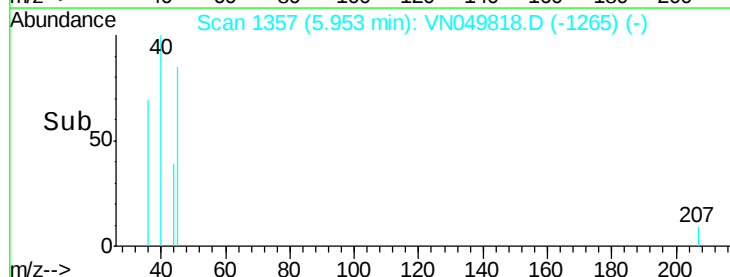
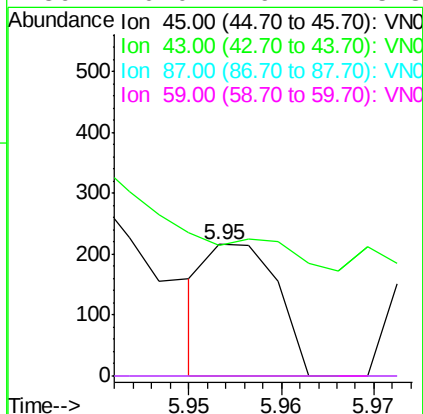
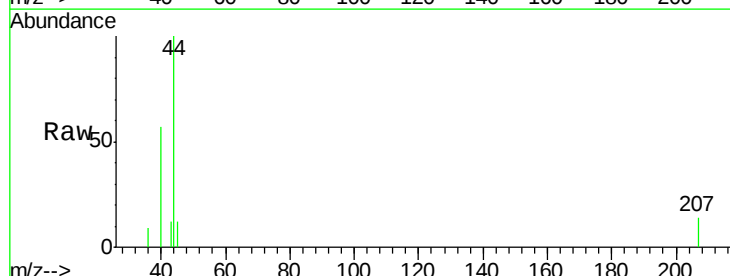
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

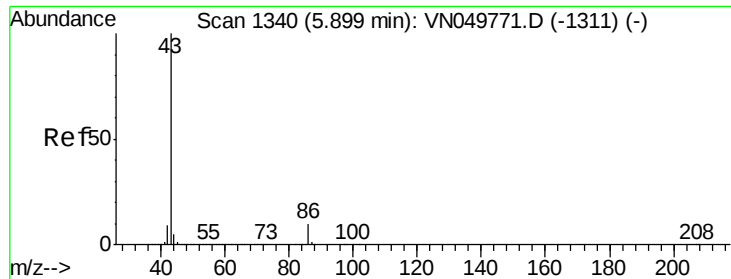
Tot Ion: 96 Resp: 315
Ion Ratio Lower Upper
96 100
61 39.2 109.0 163.6#
98 0.0 51.1 76.7#



#22
Diisopropyl ether
Concen: 0.00 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 45 Resp: 113
Ion Ratio Lower Upper
45 100
43 19.4 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# 1344

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

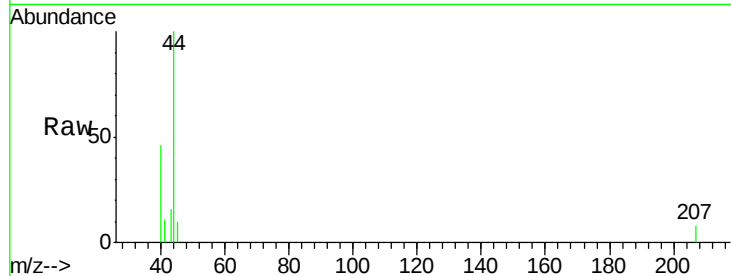
PB111069ZHE#15

Tot Ion: 43 Resp: 196

Ion Ratio Lower Upper

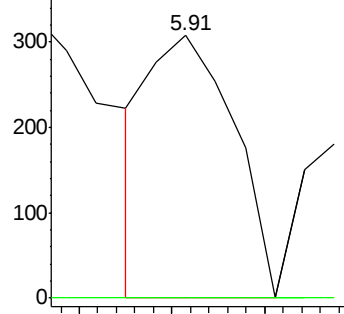
43 100

86 0.0 8.4 12.6#

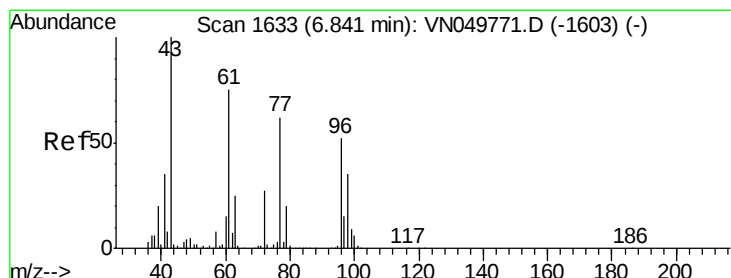
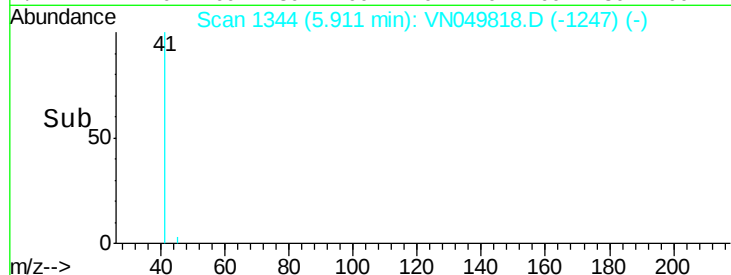


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#25

2-Butanone

Concen: 0.45 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049818.D

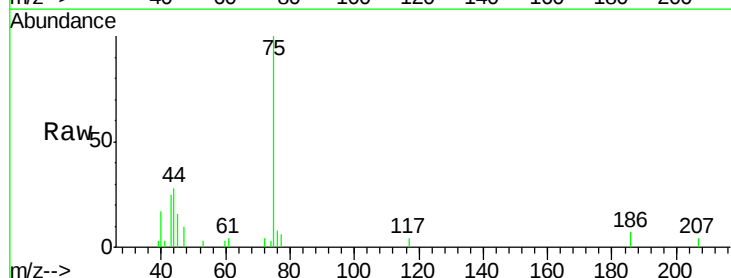
Acq: 14 Jul 2018 1:13

Tgt Ion: 43 Resp: 2326

Ion Ratio Lower Upper

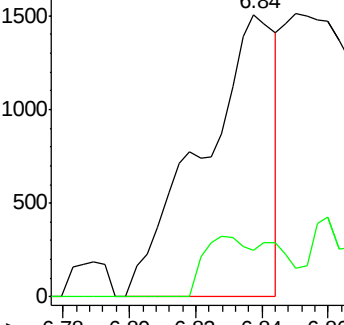
43 100

72 16.7 22.1 33.1#

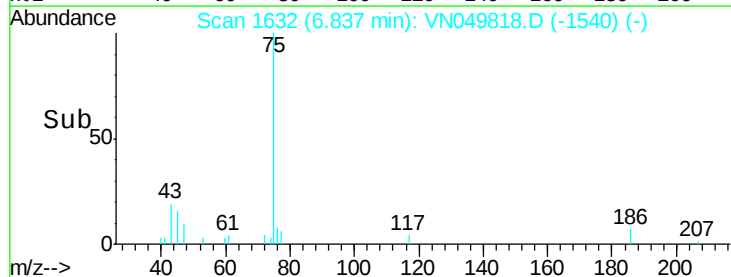


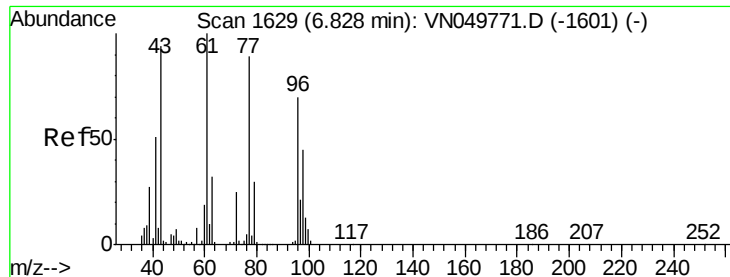
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->





#26

2,2-Dichloropropane

Concen: 0.02 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

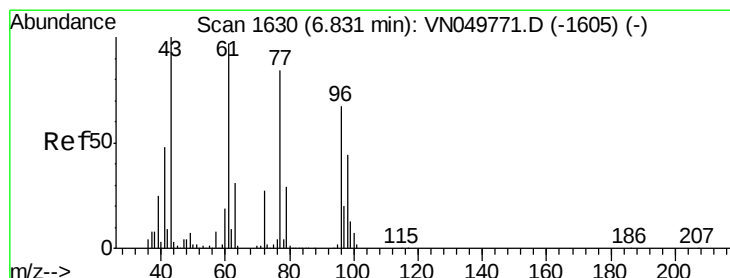
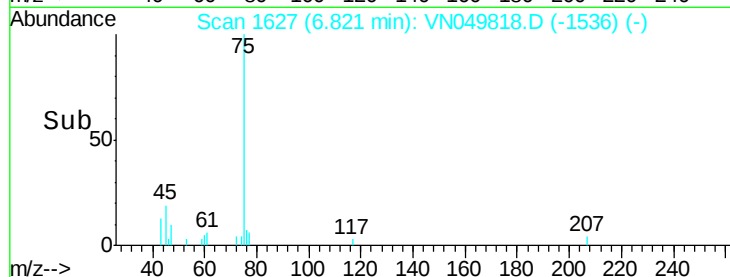
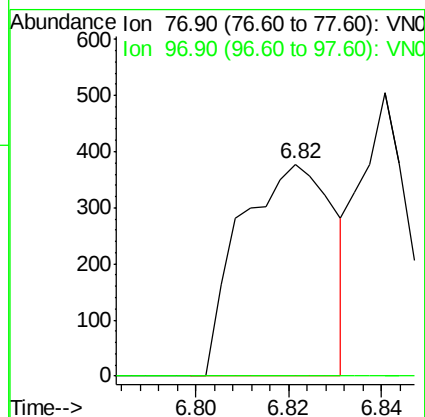
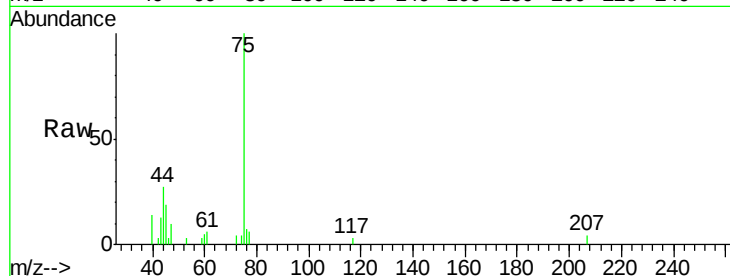
PB111069ZHE#15

Tot Ion: 77 Resp: 528

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#



#27

cis-1,2-Dichloroethene

Concen: 0.00 ug/l

RT: 6.81 min Scan# 1624

Delta R.T. -0.02 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

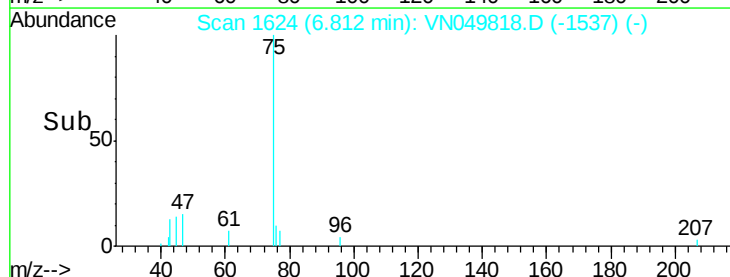
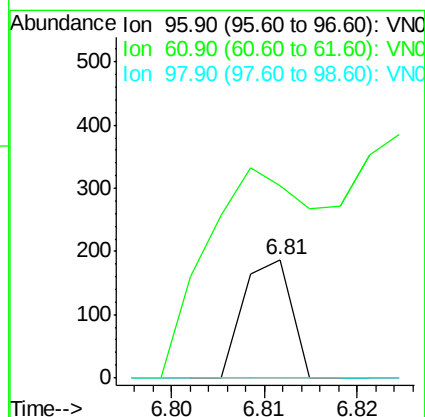
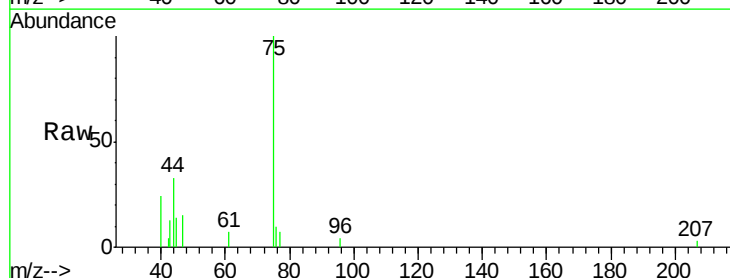
Tgt Ion: 96 Resp: 68

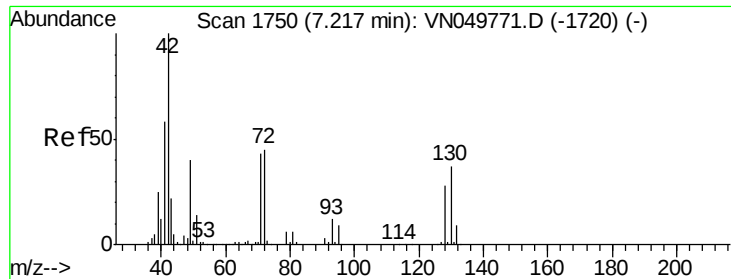
Ion Ratio Lower Upper

96 100

61 375.0 0.0 289.0#

98 0.0 0.0 130.2





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

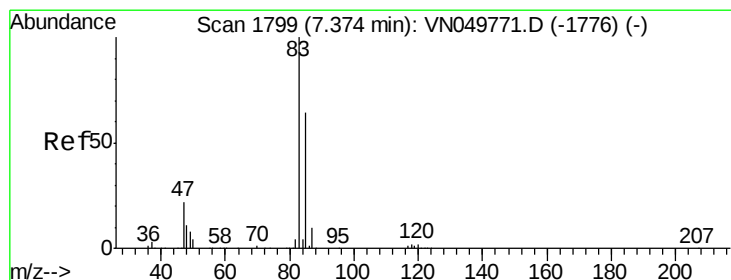
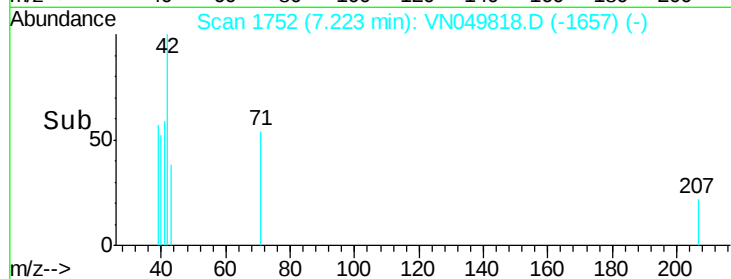
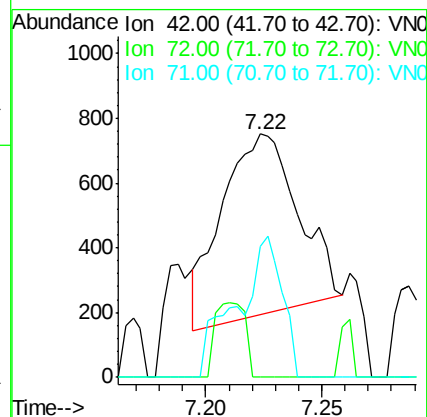
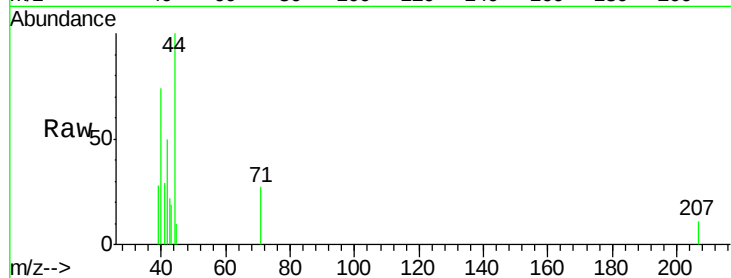
Tot Ion: 42 Resp: 1272

Ion Ratio Lower Upper

42 100

72 16.5 35.6 53.4#

71 46.7 34.0 51.0



#30

Chloroform

Concen: 0.00 ug/l

RT: 7.38 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VN049818.D

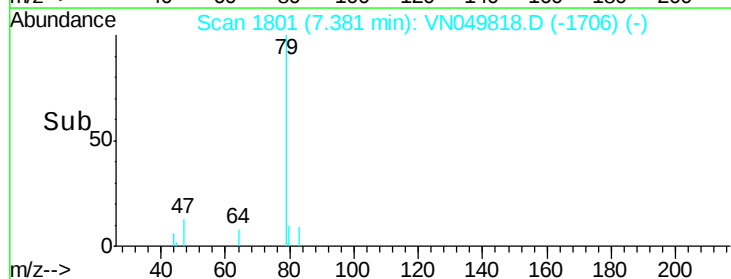
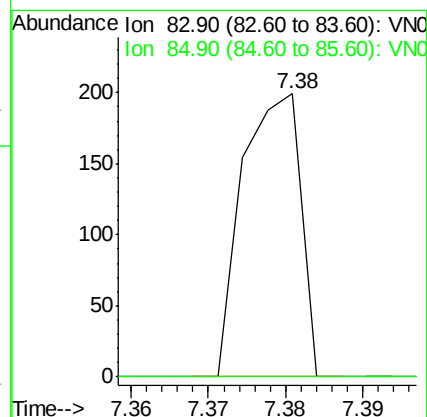
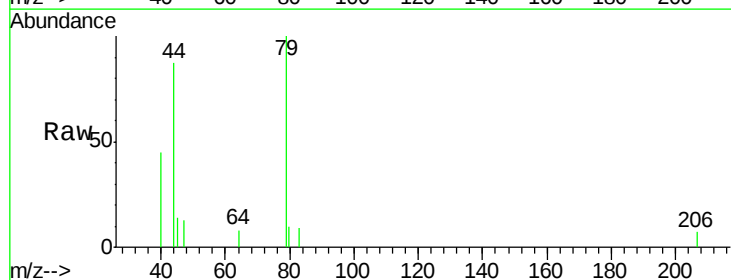
Acq: 14 Jul 2018 1:13

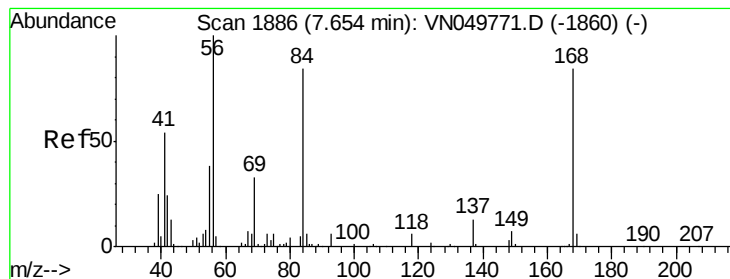
Tgt Ion: 83 Resp: 104

Ion Ratio Lower Upper

83 100

85 0.0 51.4 77.2#





#31

Cyclohexane

Concen: 0.83 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

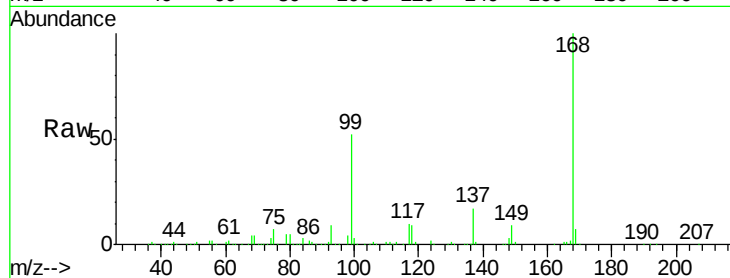
Tot Ion: 56 Resp: 22426

Ion Ratio Lower Upper

56 100

69 183.9 26.6 40.0#

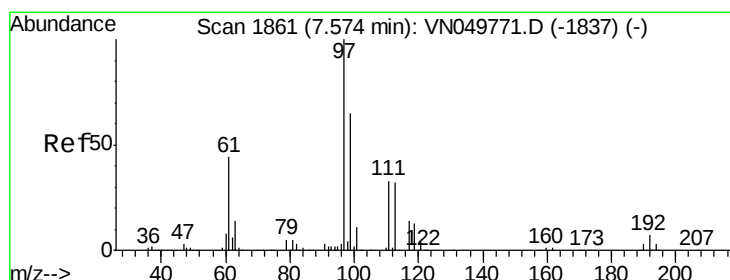
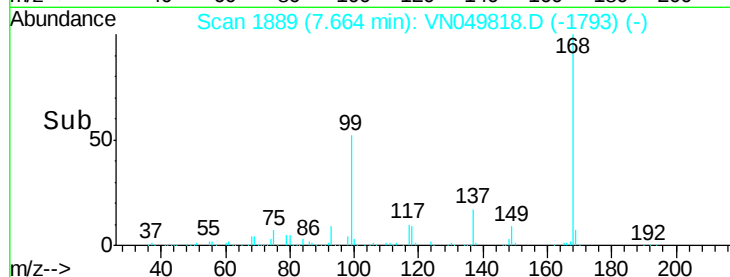
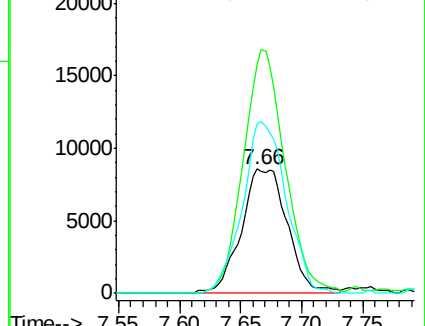
84 136.2 69.0 103.6#



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: 7.68 min Scan# 1893

Delta R.T. 0.10 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

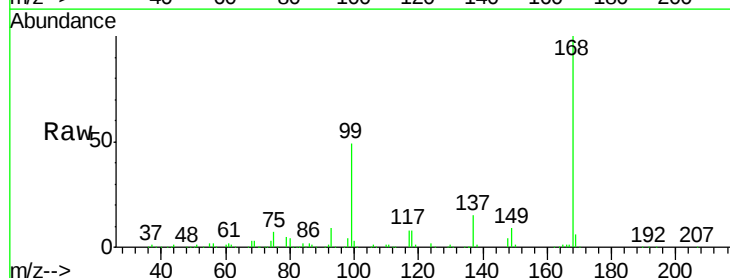
Tgt Ion: 97 Resp: 30

Ion Ratio Lower Upper

97 100

99 1942476.7 51.0 76.4#

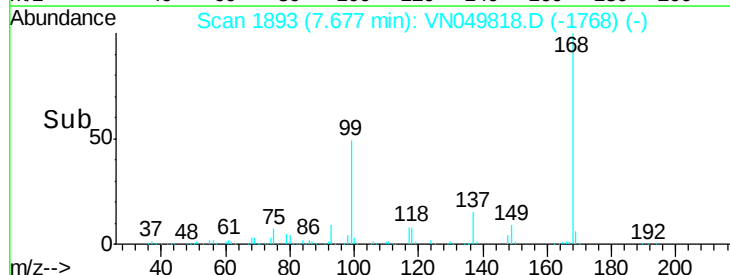
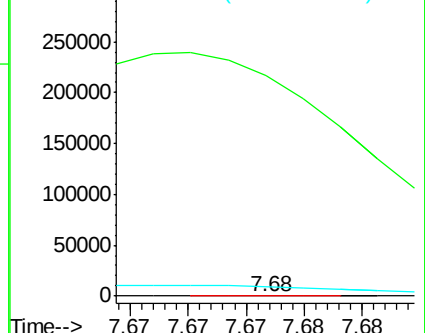
61 84180.0 35.5 53.3#

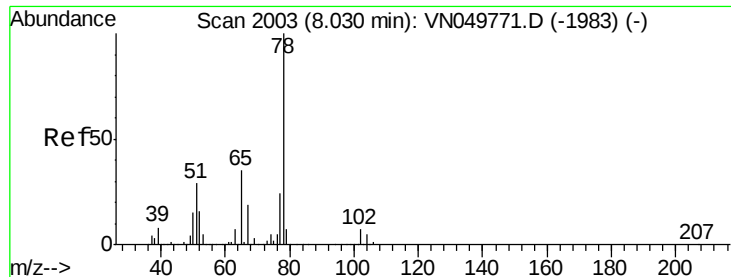


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 58.04 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

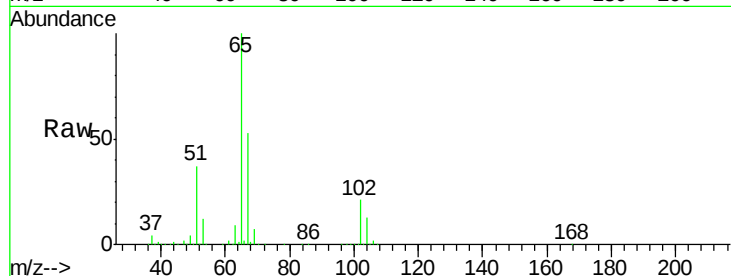
PB111069ZHE#15

Tot Ion: 65 Resp: 772401

Ion Ratio Lower Upper

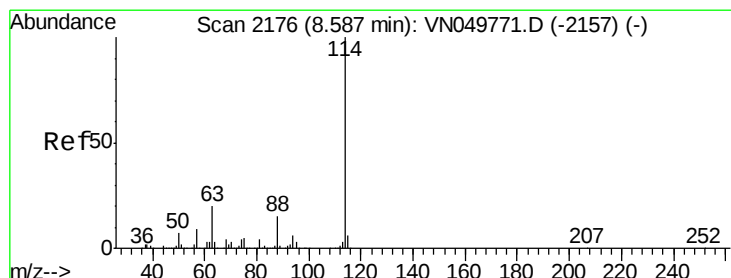
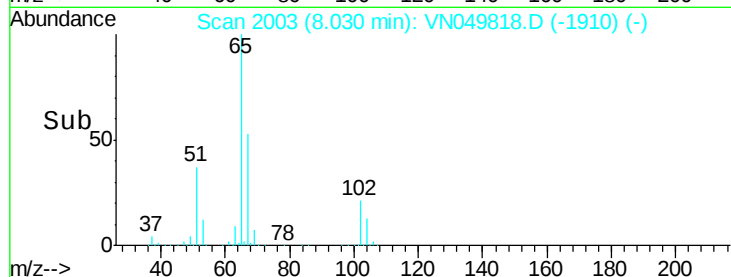
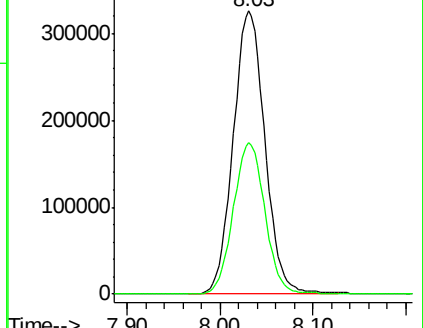
65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049818.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049818.D (-1910) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

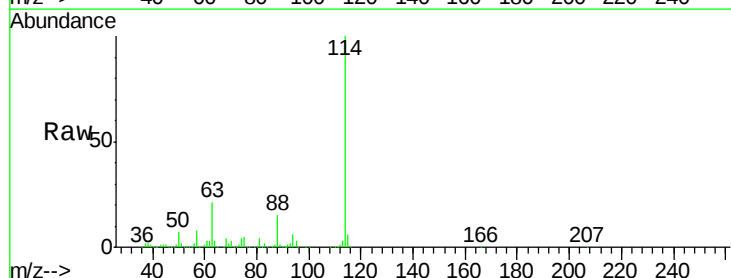
Tgt Ion: 114 Resp: 1851826

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.8

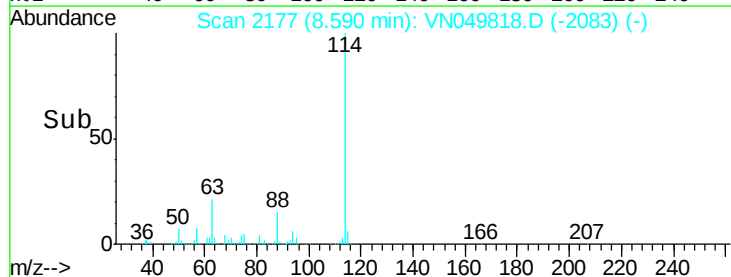
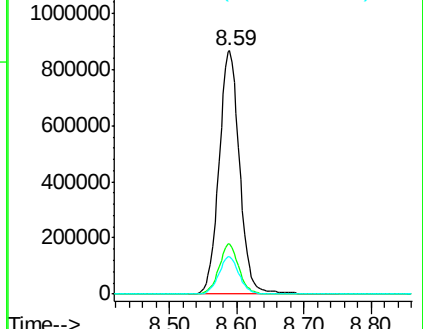
88 15.3 0.0 30.6

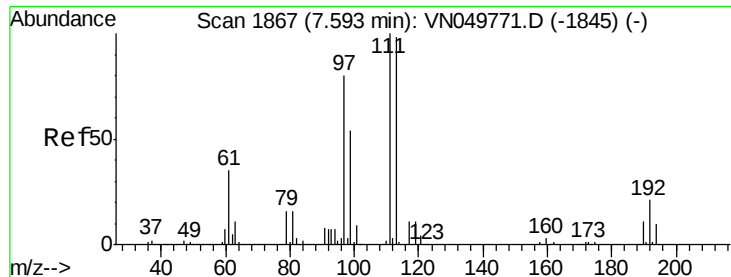


Abundance Ion 113.90 (113.60 to 114.60): VN049818.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049818.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049818.D (-2083) (-)

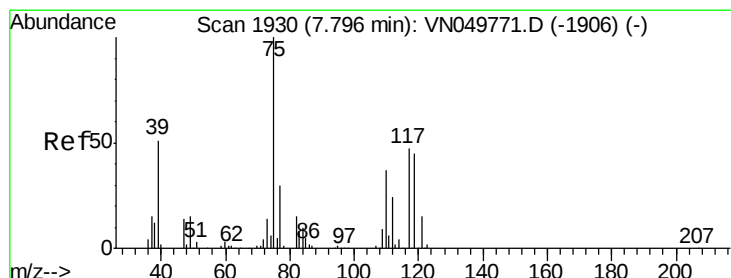
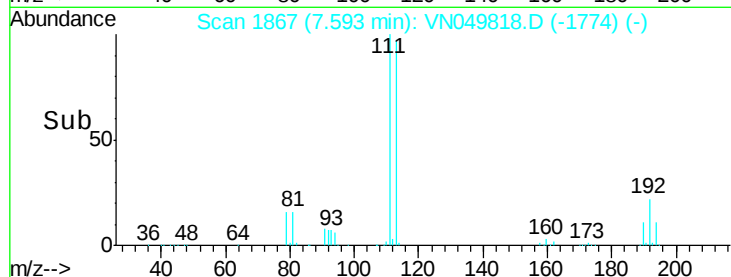
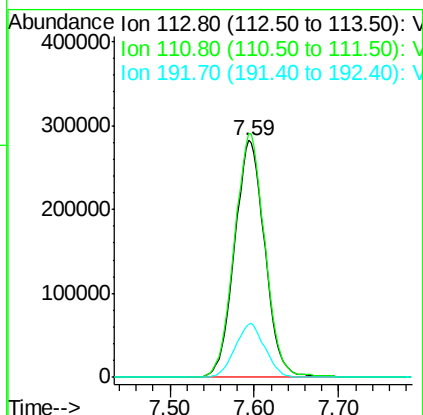
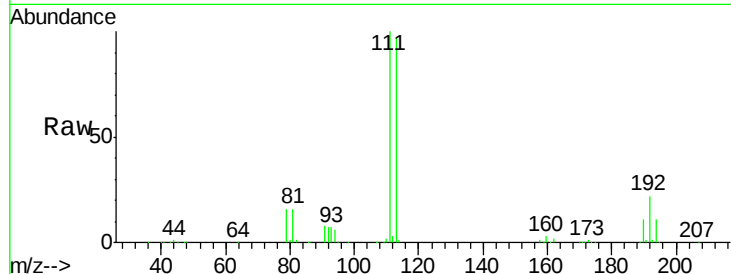




#35
 Dibromofluoromethane
 Concen: 50.53 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

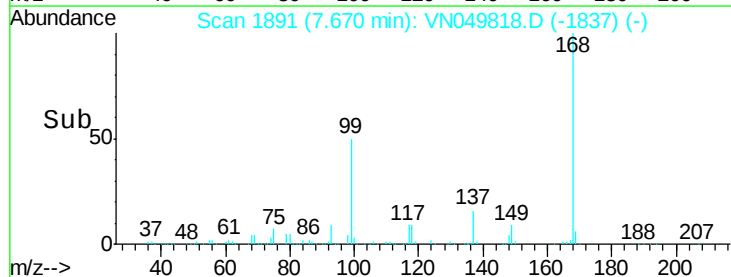
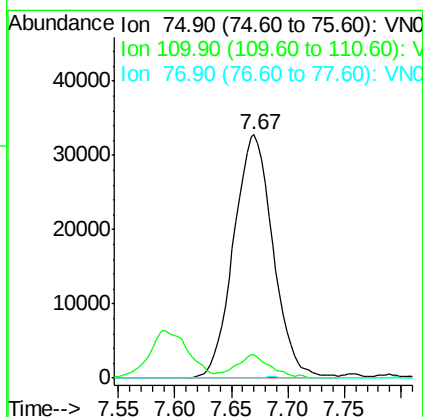
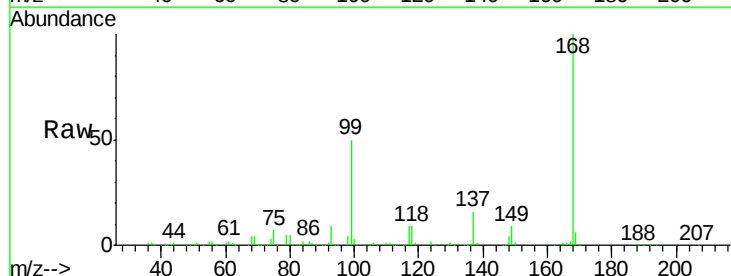
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

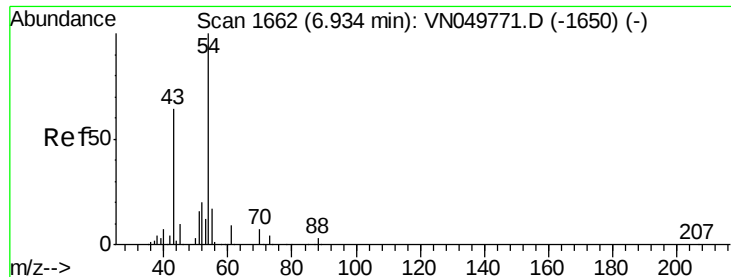
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.8
192	22.5	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.1	54.4#
77	0.1	24.9	37.3#

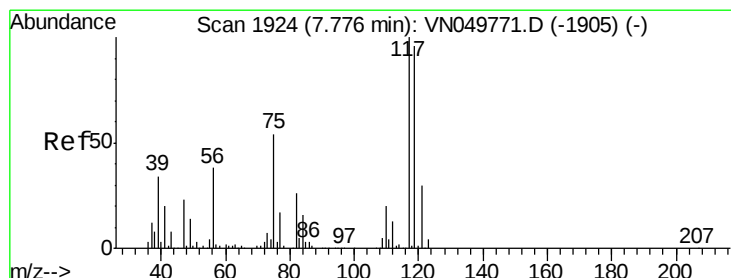
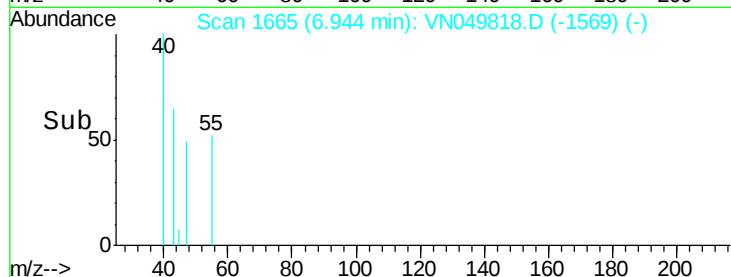
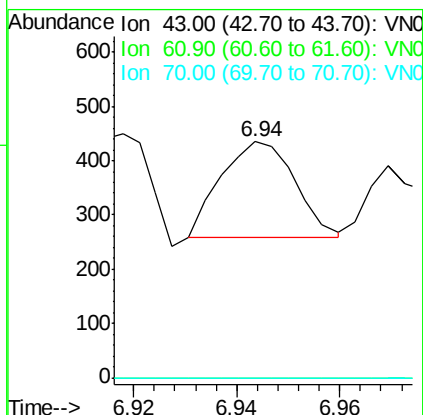
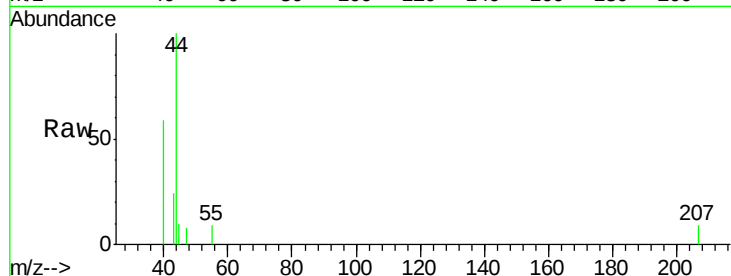




#37
Ethyl Acetate
Concen: 0.01 ug/l
RT: 6.94 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

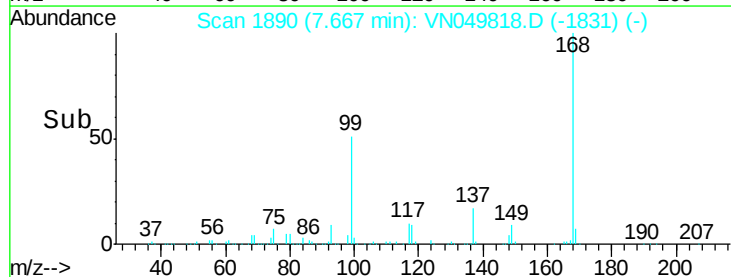
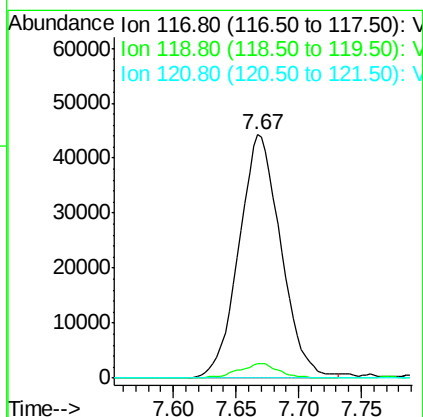
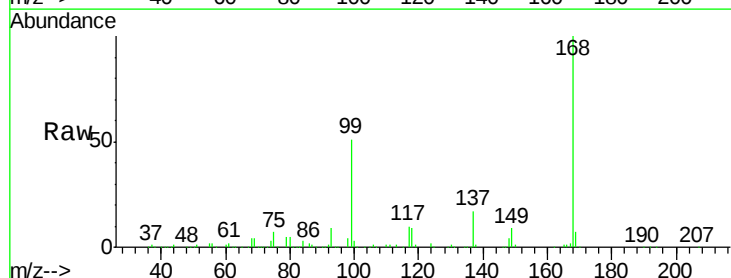
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

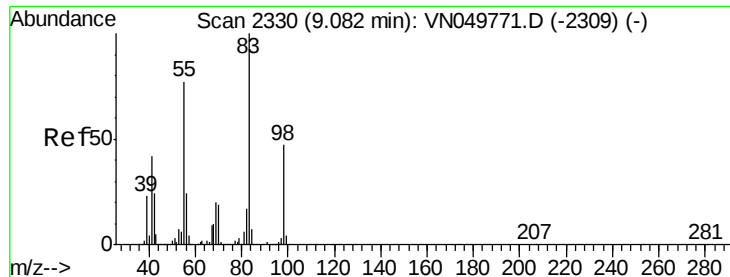
Tot Ion: 43 Resp: 177
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.62 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 117 Resp: 102961
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#

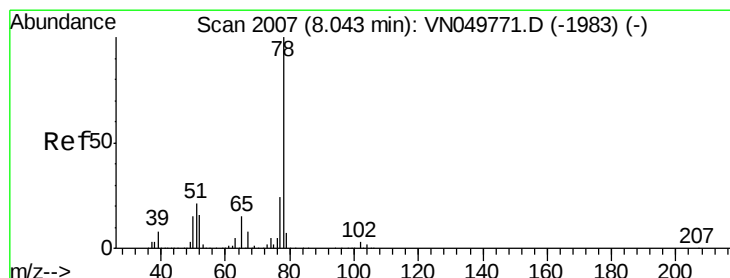
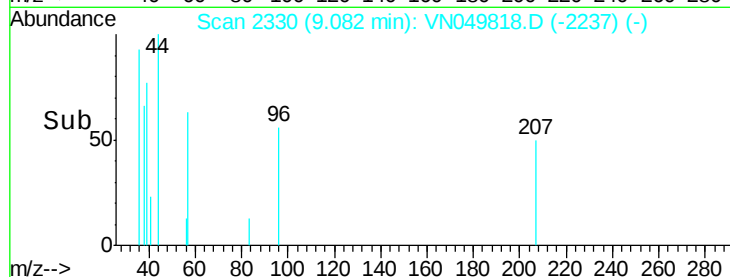
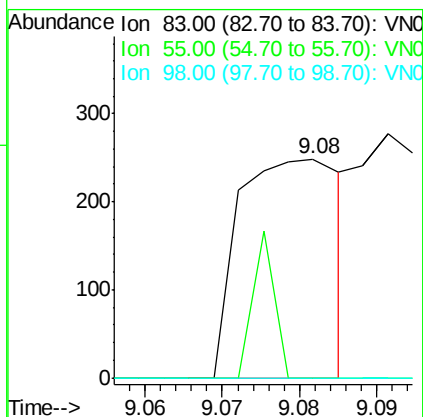
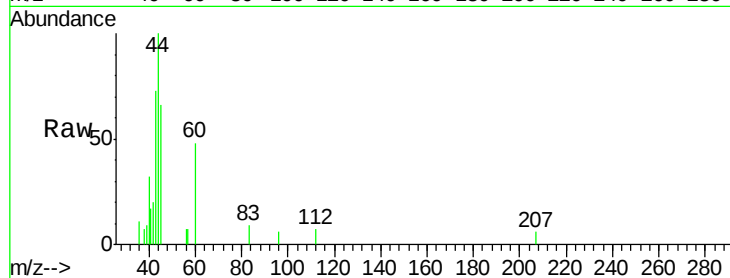




#39
Methvlcvclohexane
Concen: 0.01 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

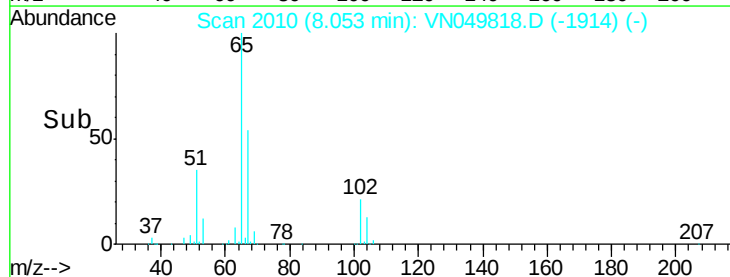
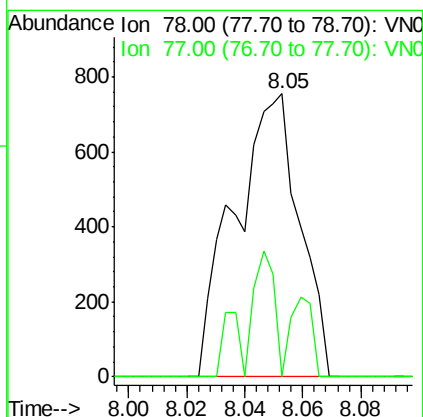
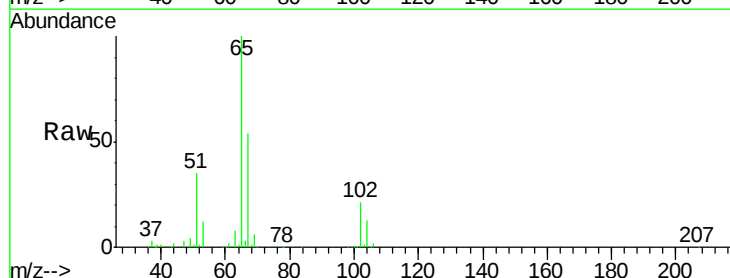
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

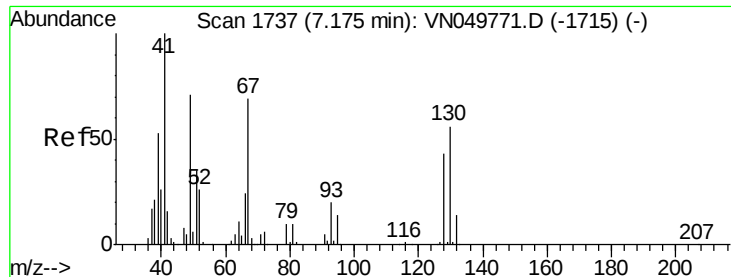
Tot Ion: 83 Resp: 227
Ion Ratio Lower Upper
83 100
55 0.0 59.7 89.5#
98 0.0 36.5 54.7#



#40
Benzene
Concen: 0.02 ug/l
RT: 8.05 min Scan# 2010
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 78 Resp: 1175
Ion Ratio Lower Upper
78 100
77 58.5 19.0 28.4#

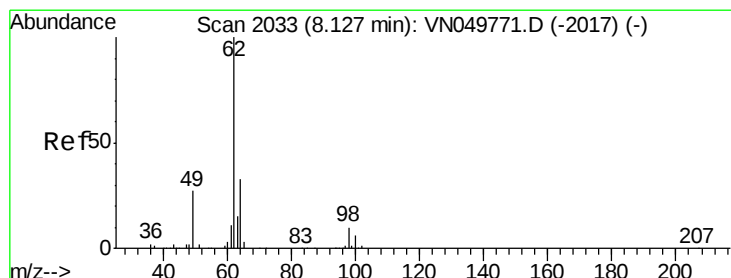
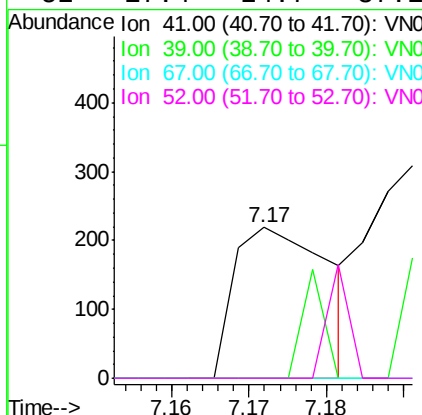
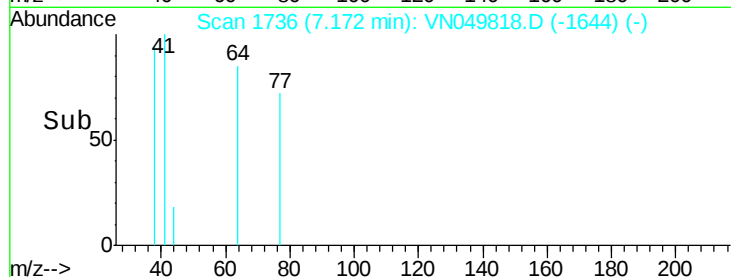
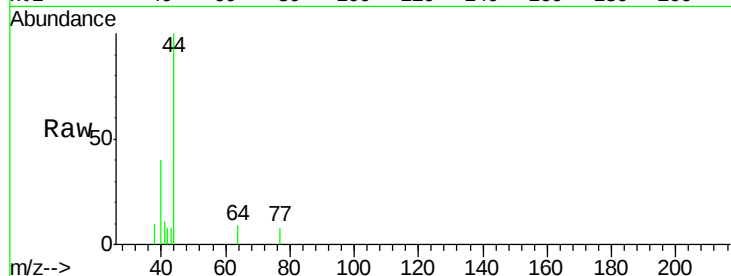




#41
Methacrylonitrile
Concen: 0.03 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

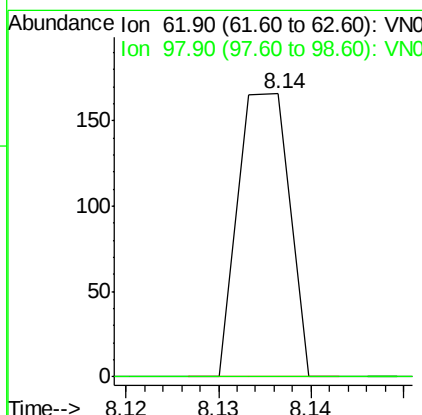
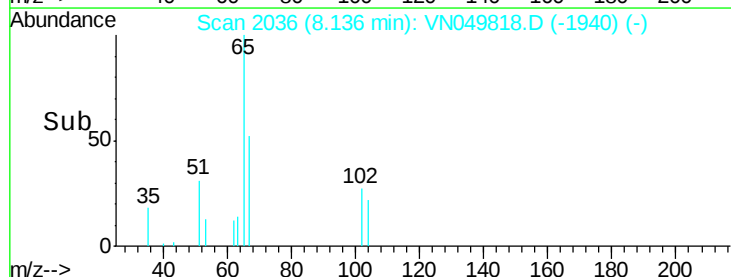
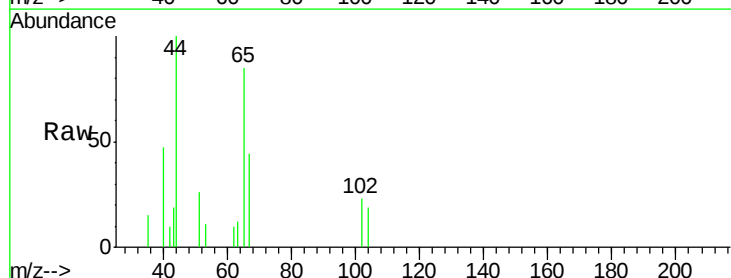
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

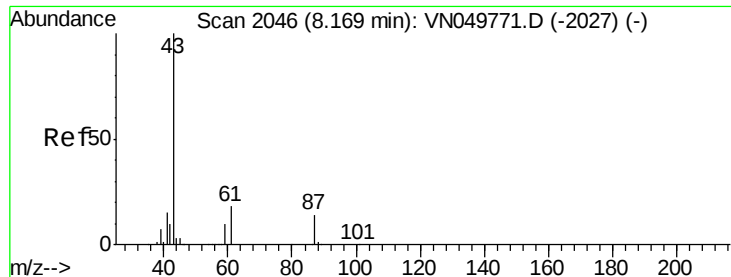
Tot Ion:	41	Resp:	184
Ion	Ratio	Lower	Upper
41	100		
39	16.3	45.4	68.2#
67	0.0	65.4	98.0#
52	17.4	24.7	37.1#



#42
1,2-Dichloroethane
Concen: 0.00 ug/l
RT: 8.14 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion:	62	Resp:	64
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0



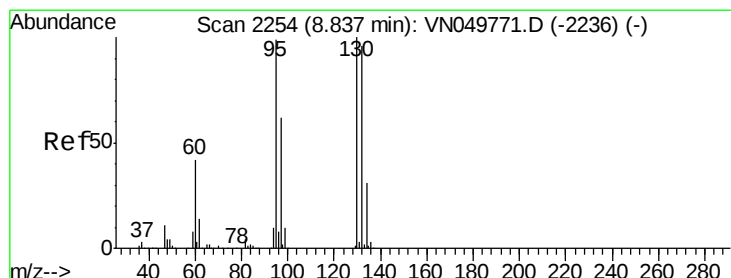
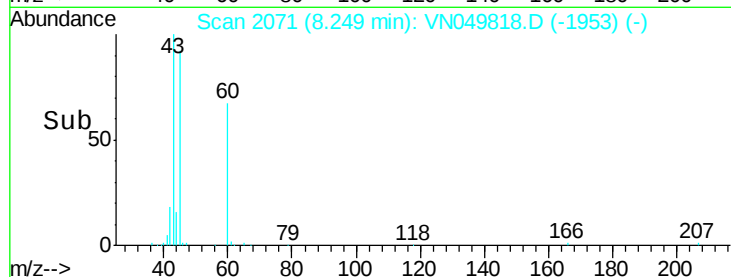
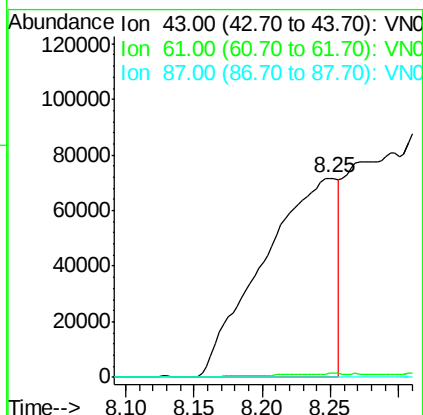
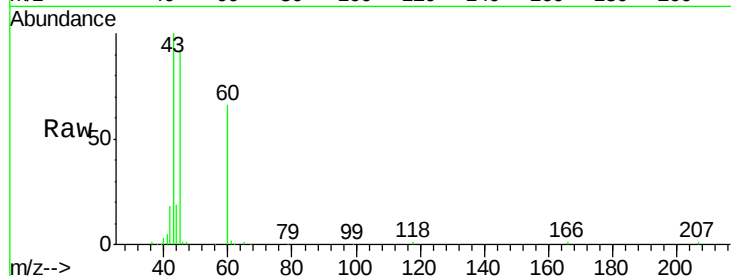


#43

Isopropyl Acetate
 Concen: 11.88 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.08 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

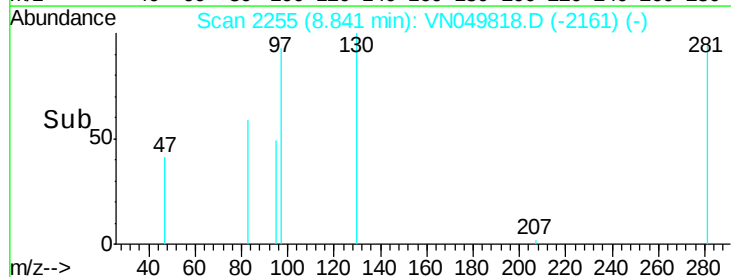
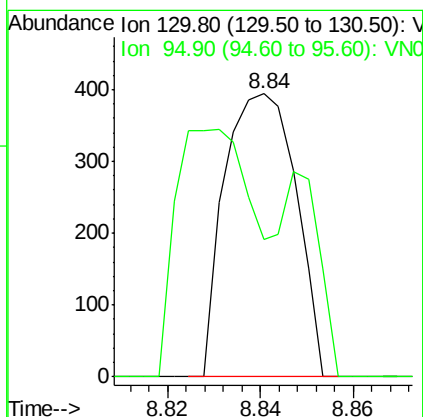
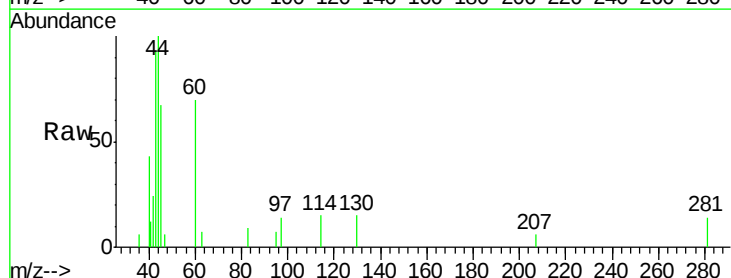
Tot Ion: 43 Resp: 269808
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.9 22.3#
 87 0.0 10.0 15.0#

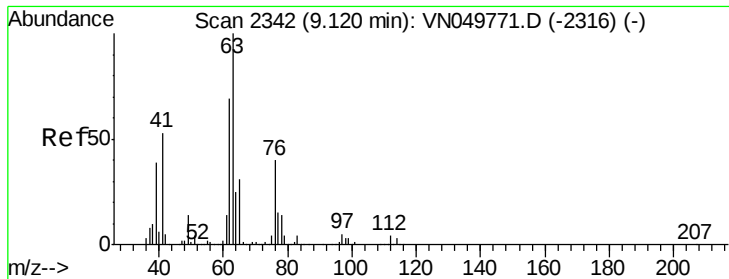


#44

Trichloroethene
 Concen: 0.02 ug/l
 RT: 8.84 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion: 130 Resp: 420
 Ion Ratio Lower Upper
 130 100
 95 48.7 0.0 192.8





#45

1,2-Dichloropropane

Concen: 0.01 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

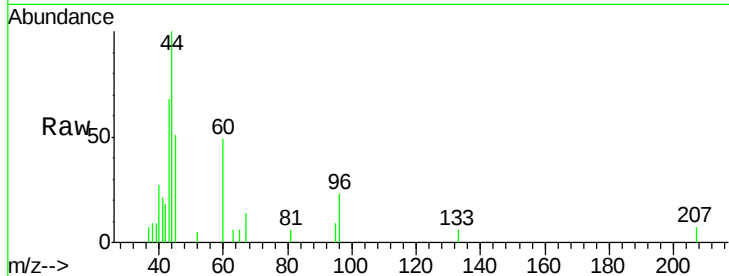
PB111069ZHE#15

Tot Ion: 63 Resp: 97

Ion Ratio Lower Upper

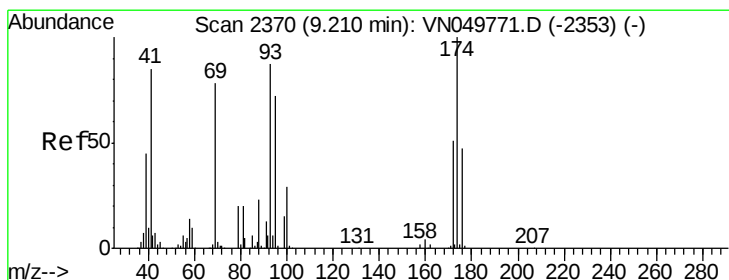
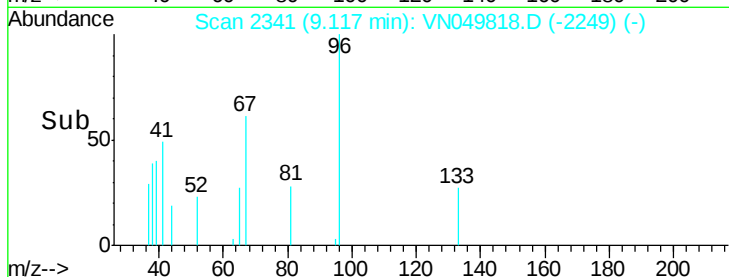
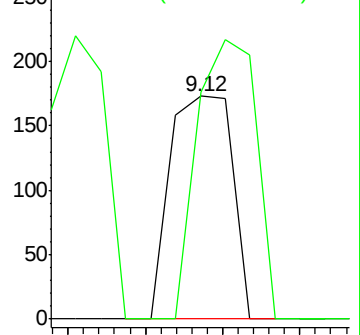
63 100

65 101.7 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 0.00 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

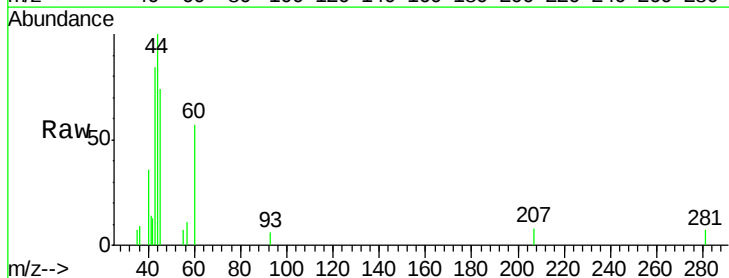
Tgt Ion: 93 Resp: 29

Ion Ratio Lower Upper

93 100

95 482.8 67.9 101.9#

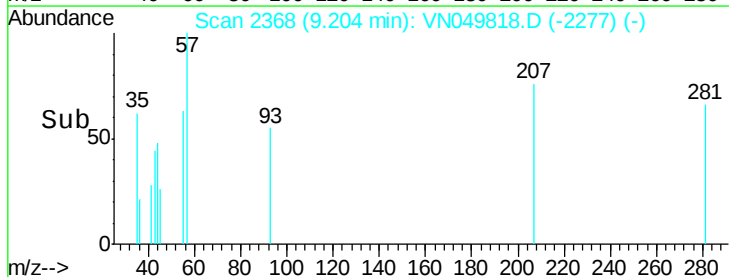
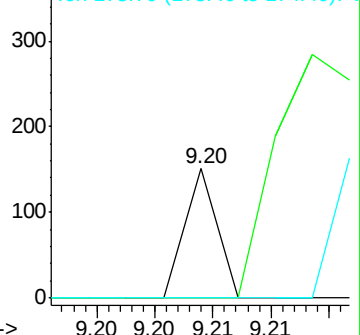
174 237.9 89.4 134.0#

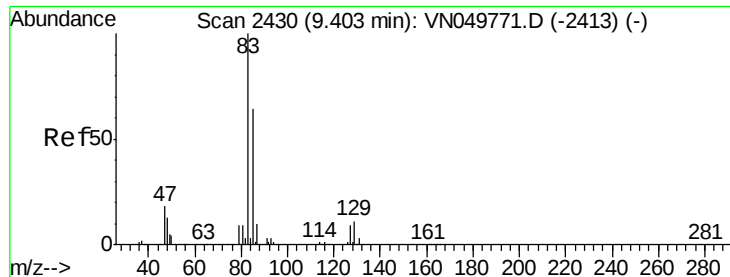


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.00 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

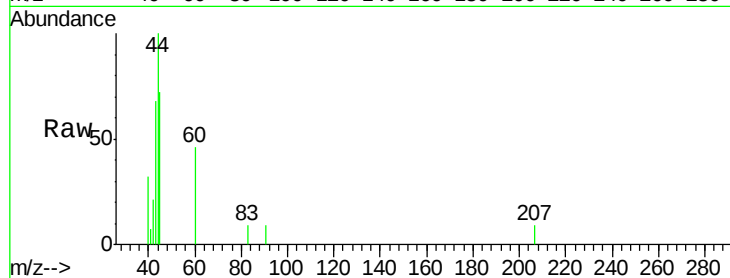
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

85 0.0 50.5 75.7#

127 0.0 6.8 10.2#

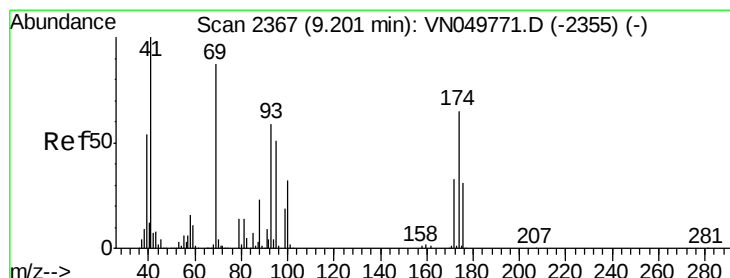
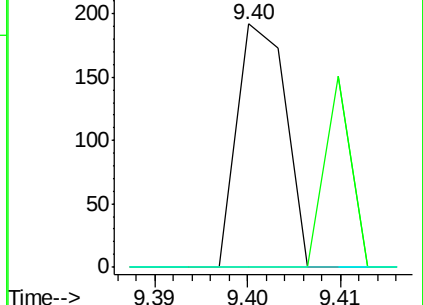
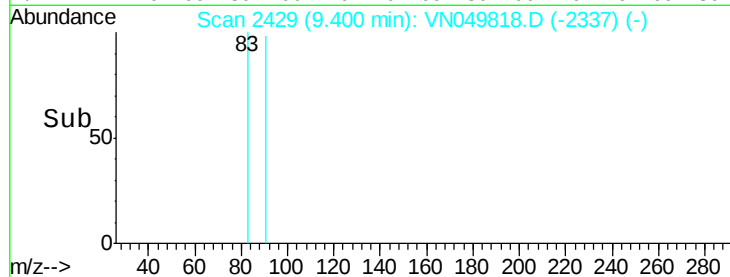


Abundance Ion 82.90 (82.60 to 83.60): VN049818.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049818.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049818.D (-2337) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.05 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

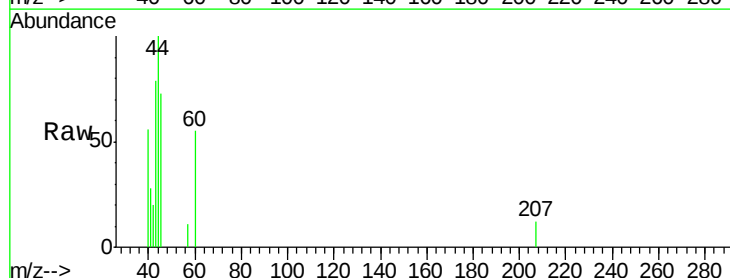
Tgt Ion: 41 Resp: 585

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

39 10.1 44.7 67.1#

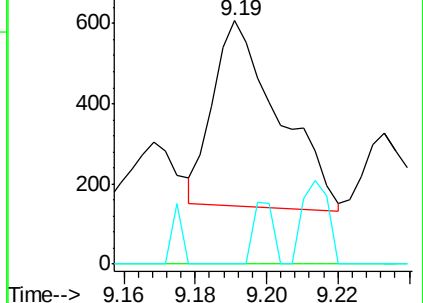
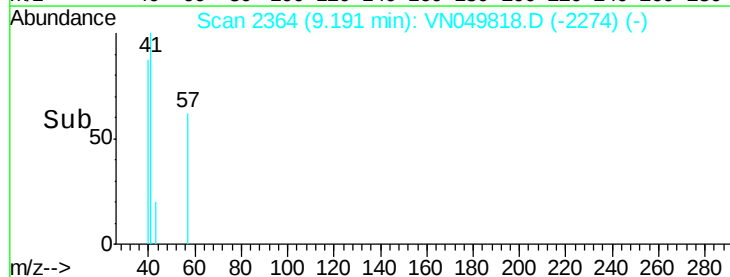


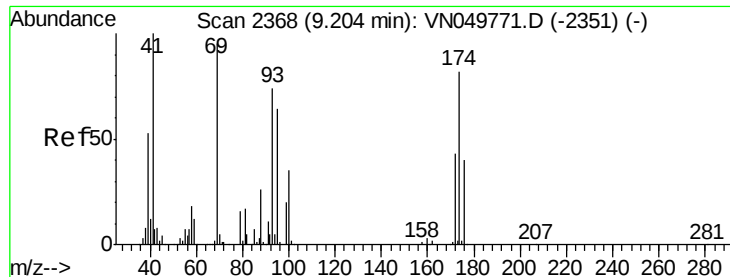
Abundance Ion 41.00 (40.70 to 41.70): VN049818.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049818.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049818.D (-2274) (-)

Time-->

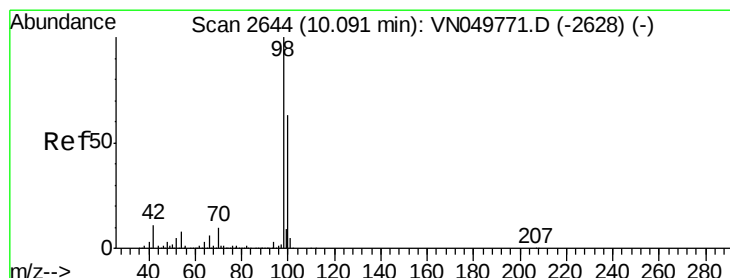
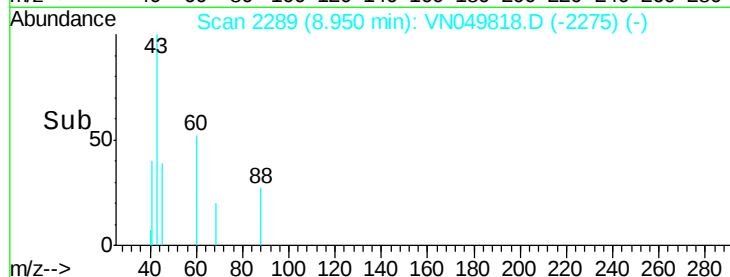
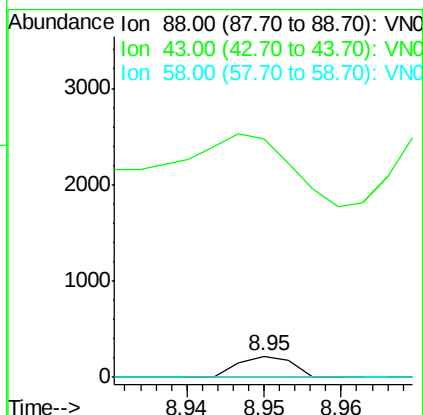
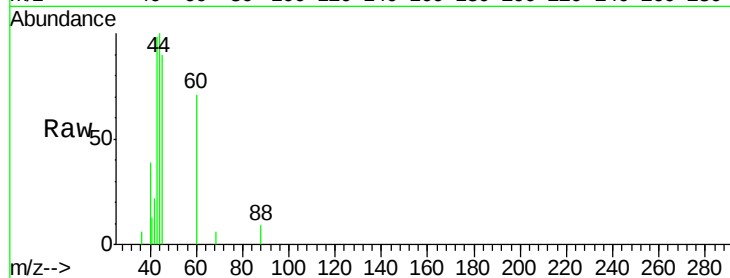




#49
1,4-Dioxane
Concen: 0.70 ug/l
RT: 8.95 min Scan# 2289
Delta R.T. -0.25 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

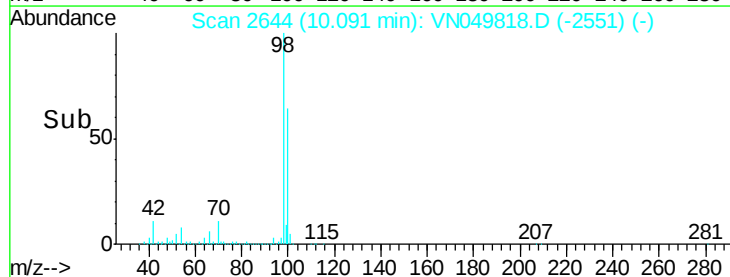
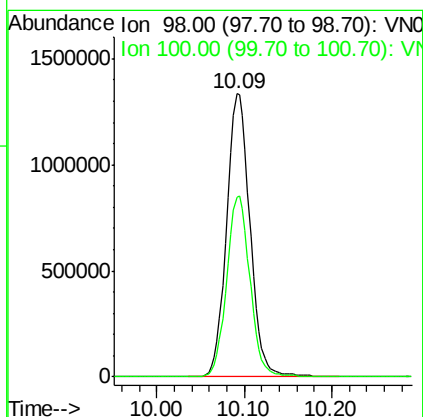
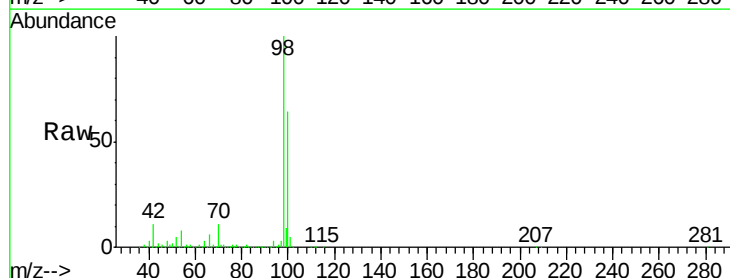
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

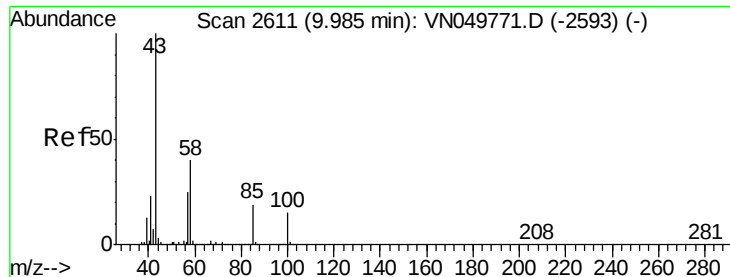
Tot Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 52.5 78.7#



#50
Toluene-d8
Concen: 52.05 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 98 Resp: 2487200
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

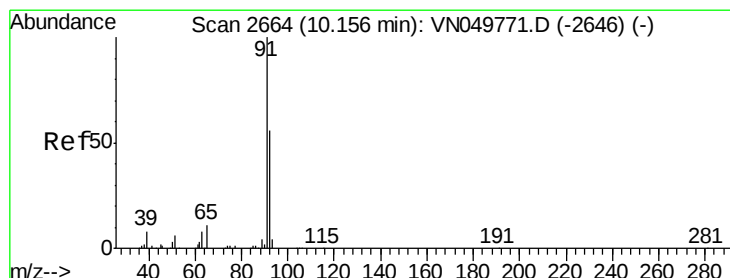
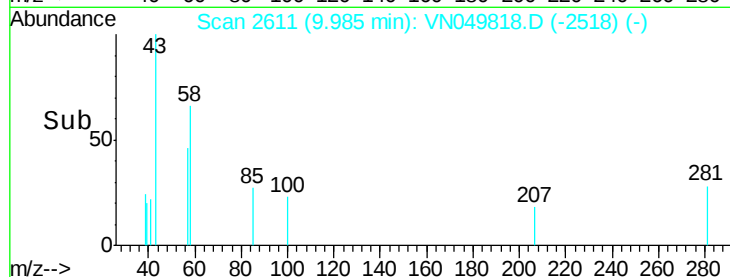
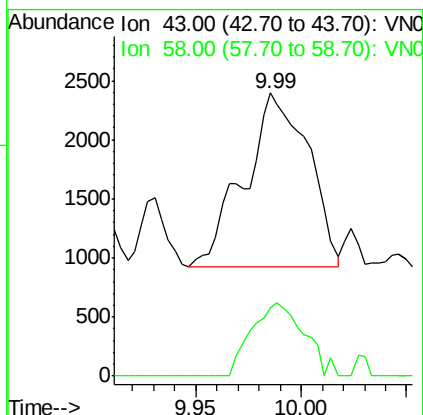
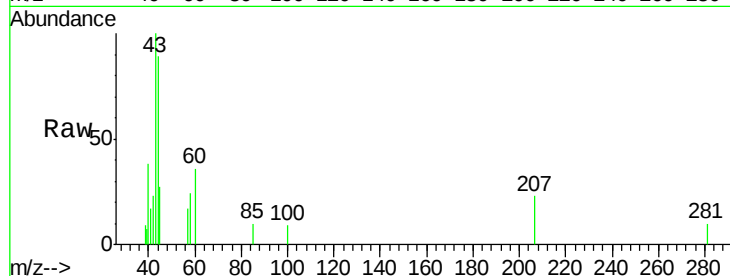




#51
4-Methyl-2-Pentanone
Concen: 0.25 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

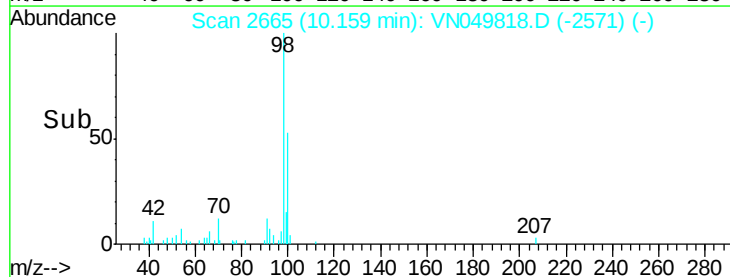
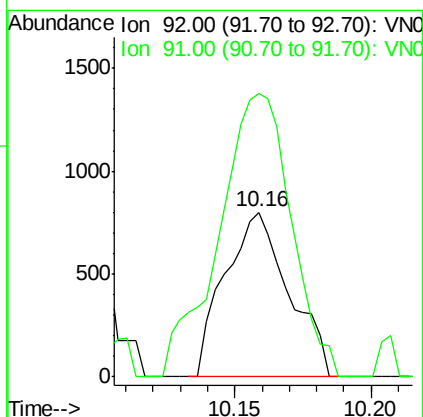
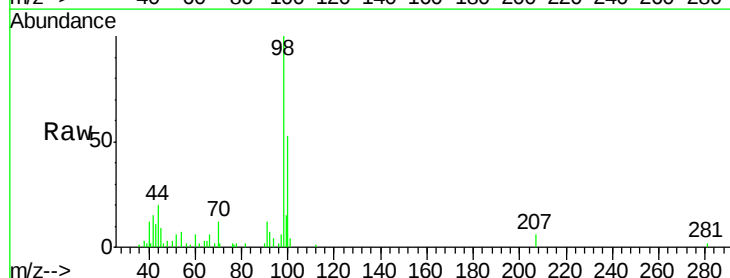
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

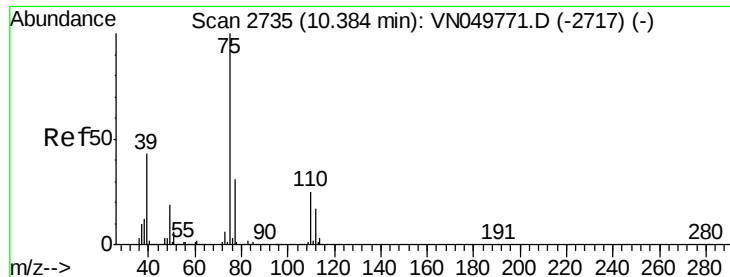
Tot Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
58 34.3 31.8 47.8



#52
Toluene
Concen: 0.03 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 92 Resp: 1302
Ion Ratio Lower Upper
92 100
91 195.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 0.01 ug/l

RT: 10.40 min Scan# 2740

Delta R.T. 0.02 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

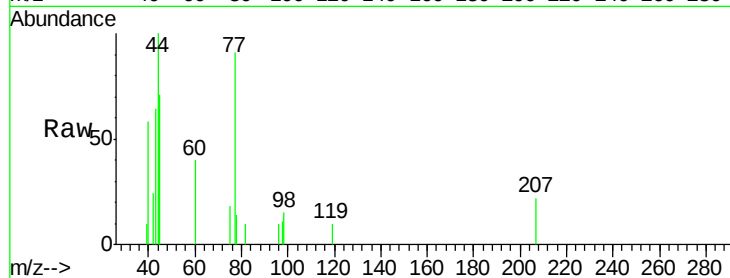
PB111069ZHE#15

Tot Ion: 75 Resp: 246

Ion Ratio Lower Upper

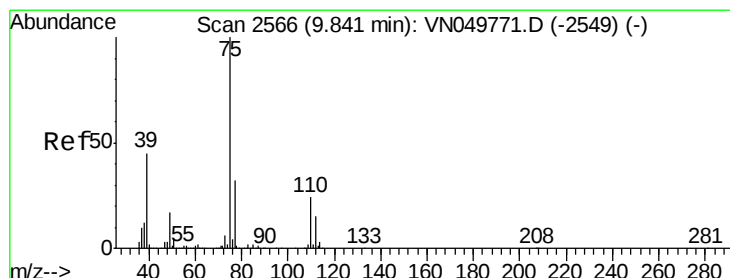
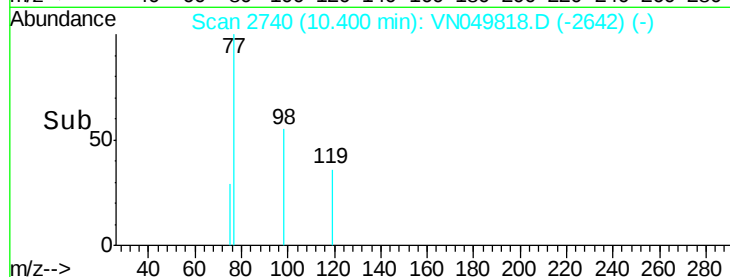
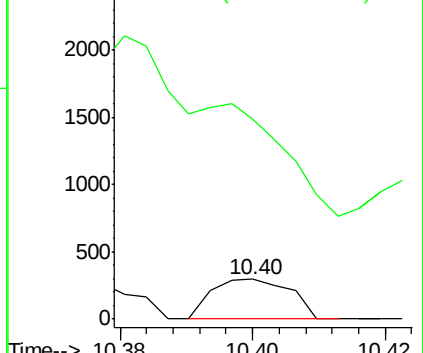
75 100

77 244.9 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.01 ug/l

RT: 9.85 min Scan# 2569

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

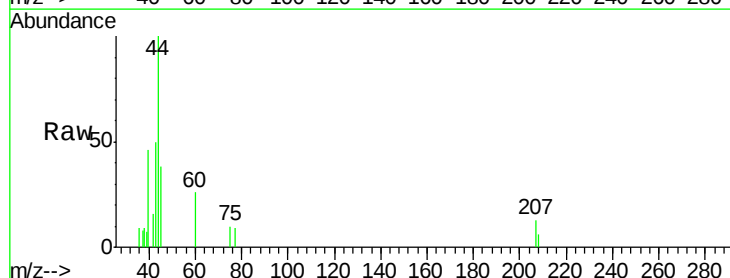
Tgt Ion: 75 Resp: 126

Ion Ratio Lower Upper

75 100

77 91.6 25.3 37.9#

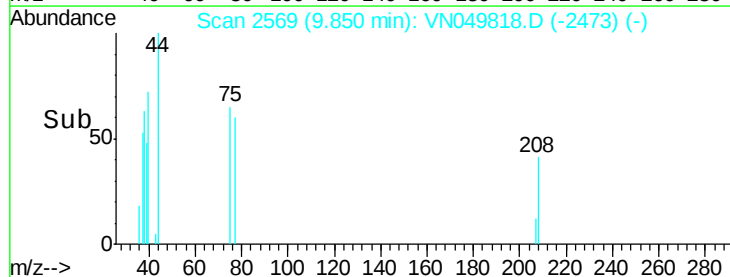
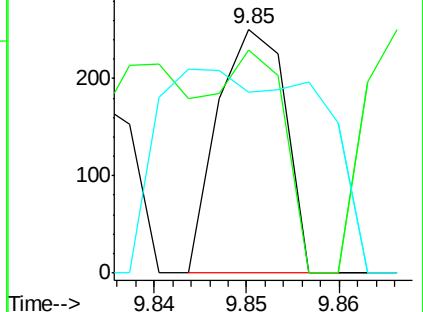
39 12.7 35.5 53.3#

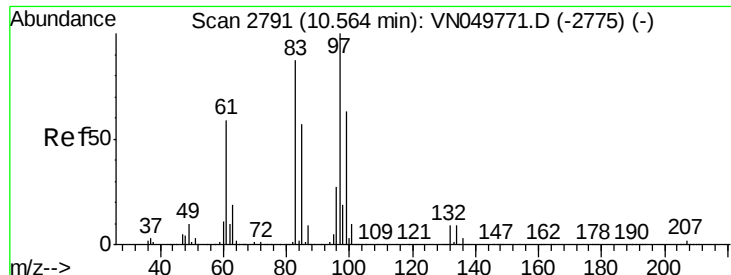


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

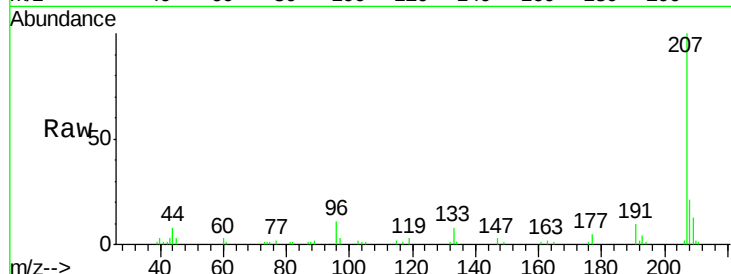




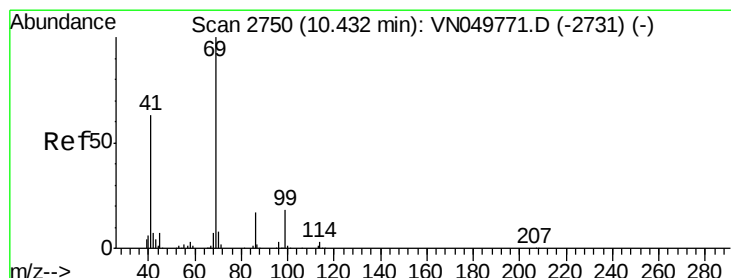
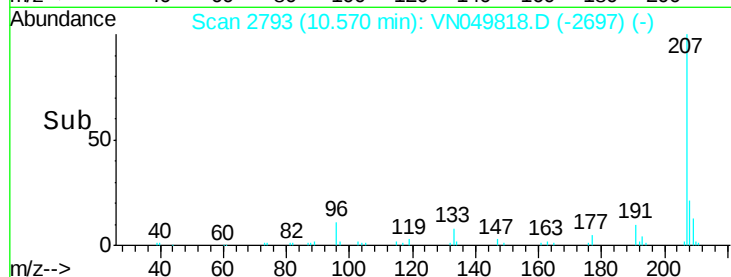
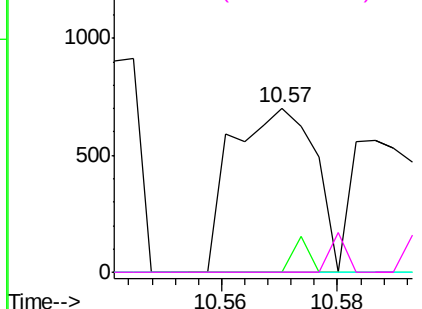
#55
 1,1,2-Trichloroethane
 Concen: Below Cal
 RT: 10.57 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

Tot Ion: 97 Resp: 694
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.0 103.6#
 85 0.0 44.9 67.3#
 99 0.0 49.8 74.6#

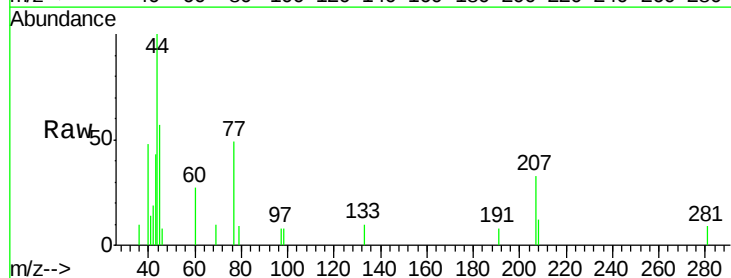


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

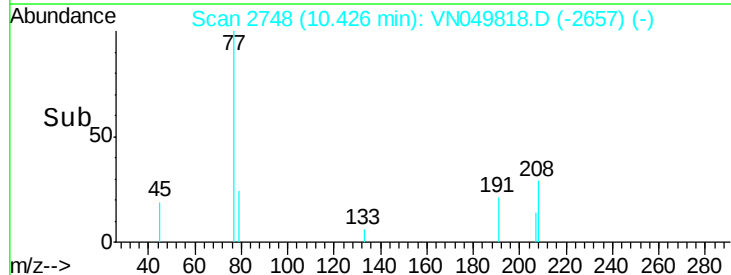
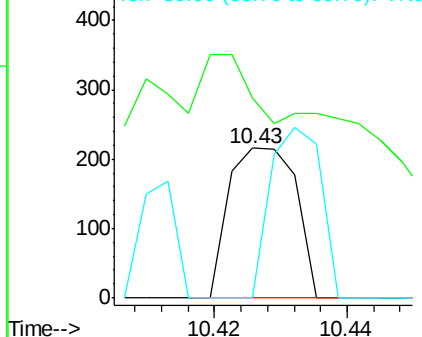


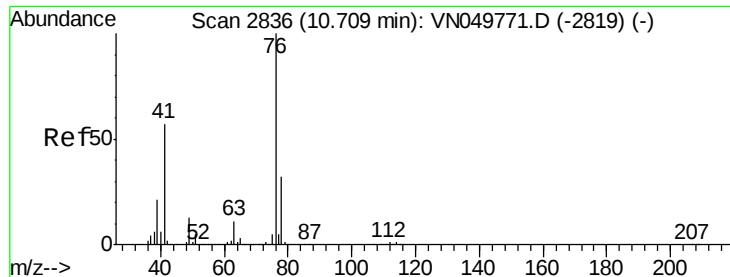
#56
 Ethyl methacrylate
 Concen: 0.01 ug/l
 RT: 10.43 min Scan# 2748
 Delta R.T. -0.01 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion: 69 Resp: 153
 Ion Ratio Lower Upper
 69 100
 41 353.6 51.6 77.4#
 39 85.0 25.8 38.8#



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





#57

1,3-Dichloropropane

Concen: 0.01 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

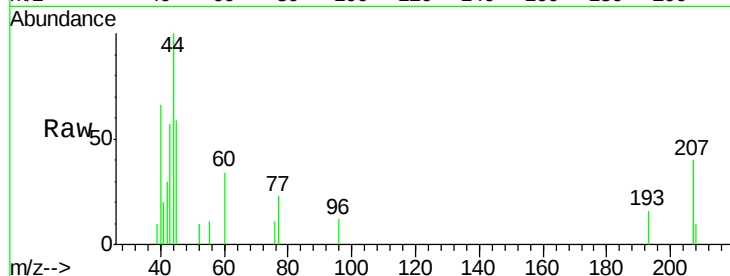
PB111069ZHE#15

Tot Ion: 76 Resp: 133

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

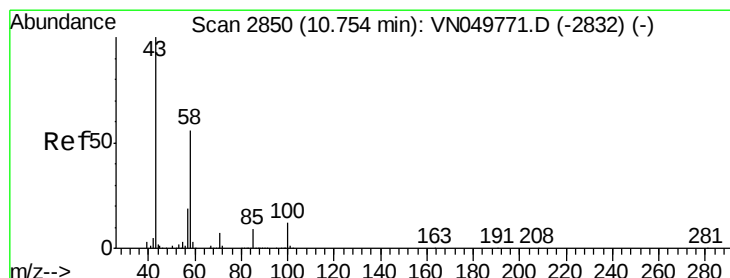
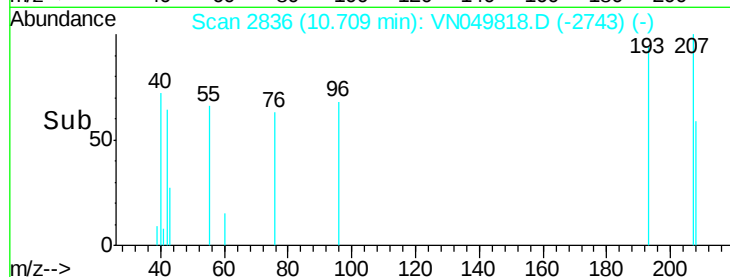
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 0.10 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049818.D

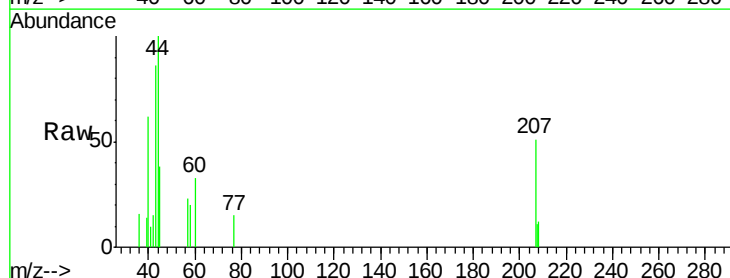
Acq: 14 Jul 2018 1:13

Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

58 70.3 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

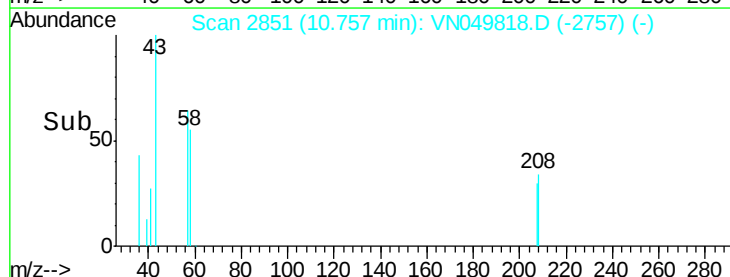
1500

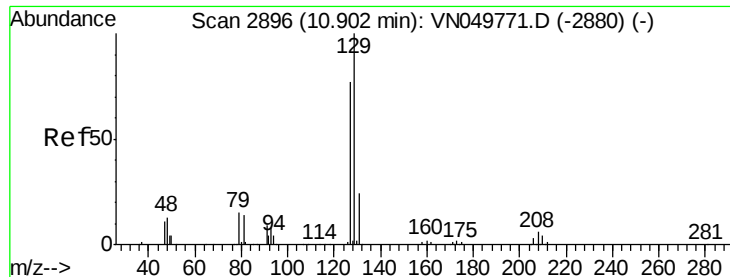
1000

500

0

Time-->





#60

Dibromochloromethane

Concen: 0.02 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

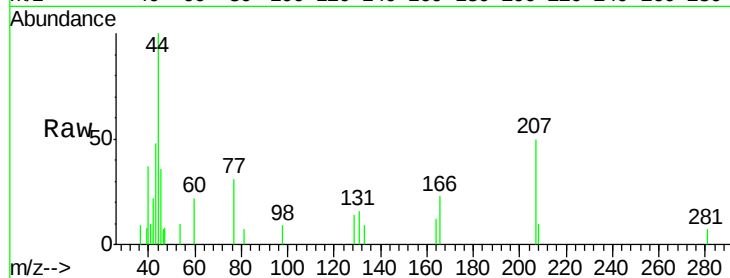
PB111069ZHE#15

Tot Ion:129 Resp: 296

Ion Ratio Lower Upper

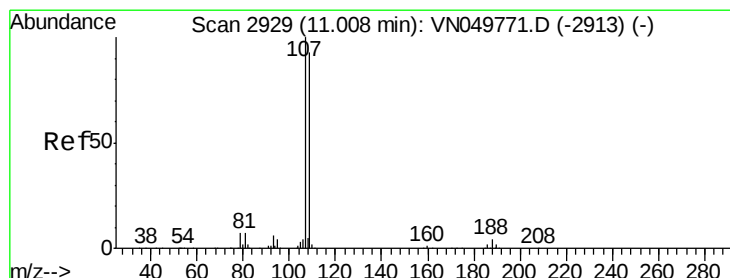
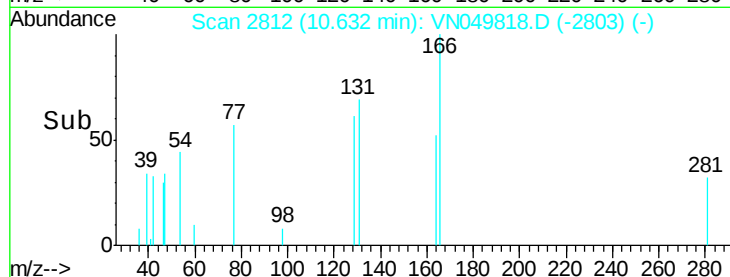
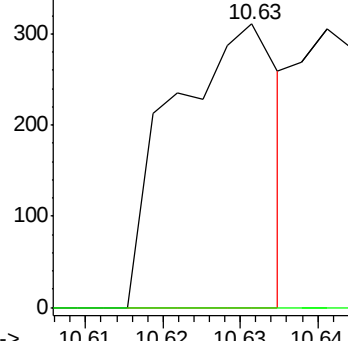
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.01 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN049818.D

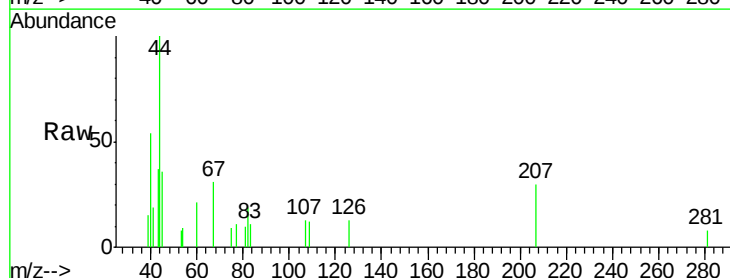
Acq: 14 Jul 2018 1:13

Tgt Ion:107 Resp: 129

Ion Ratio Lower Upper

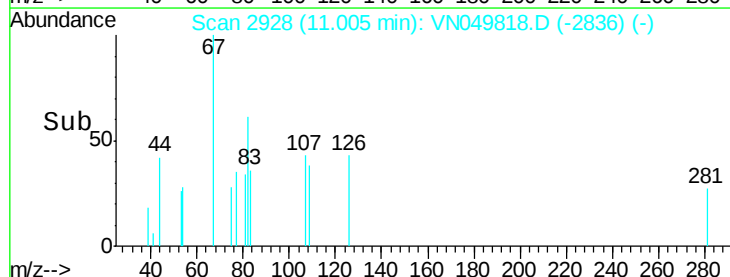
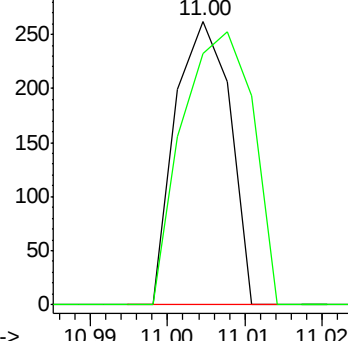
107 100

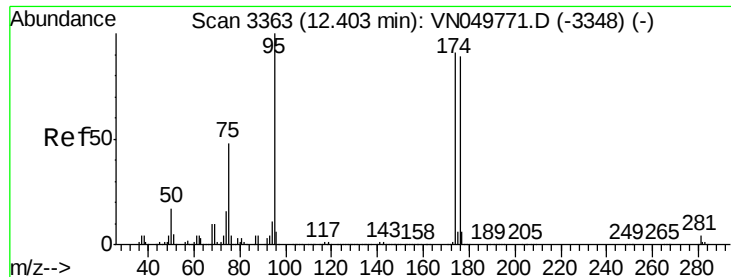
109 124.8 75.0 112.6#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 40.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

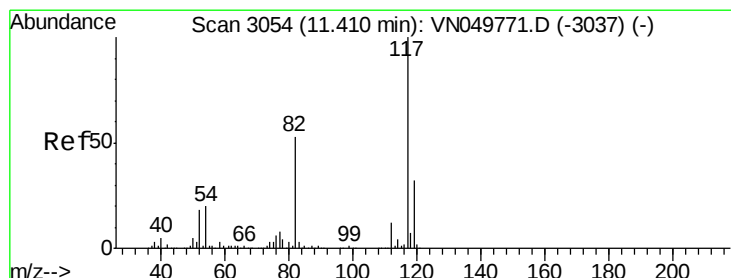
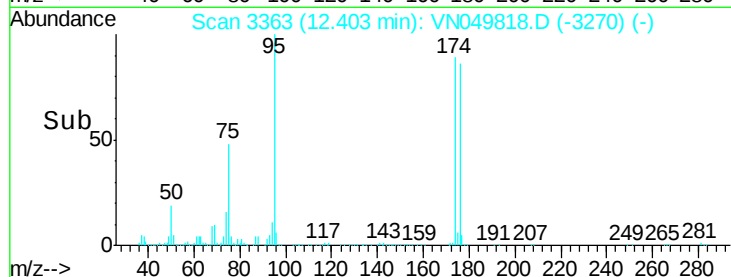
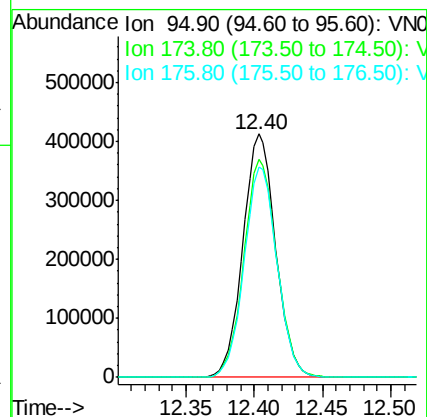
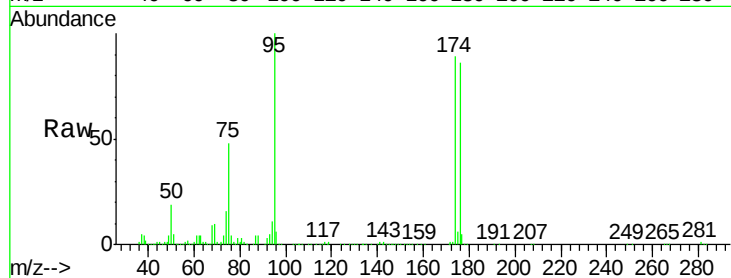
Tot Ion: 95 Resp: 686574

Ion Ratio Lower Upper

95 100

174 90.0 0.0 179.6

176 86.9 0.0 174.0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

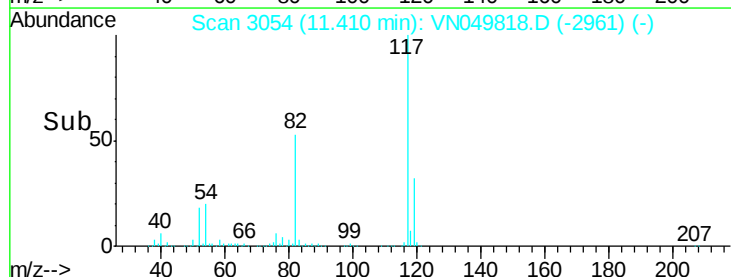
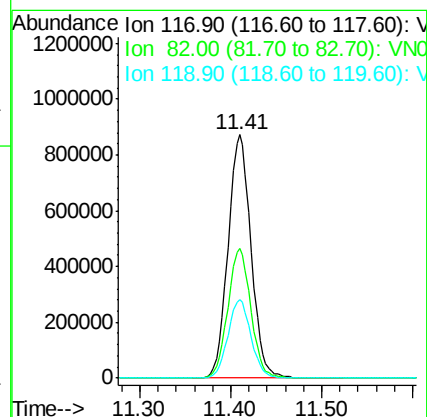
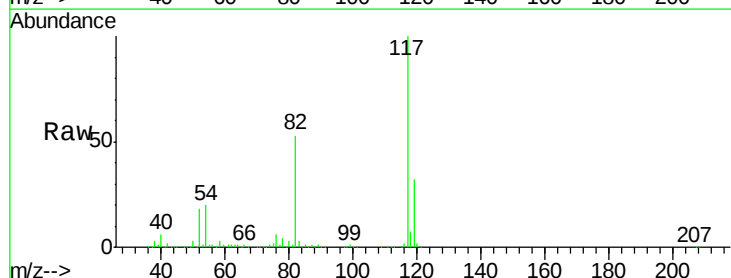
Tgt Ion: 117 Resp: 1526189

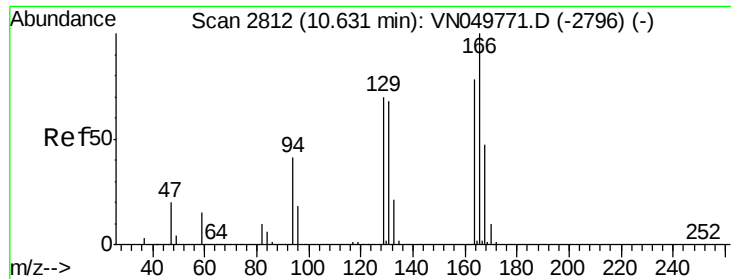
Ion Ratio Lower Upper

117 100

82 53.4 41.9 62.9

119 32.3 25.4 38.2

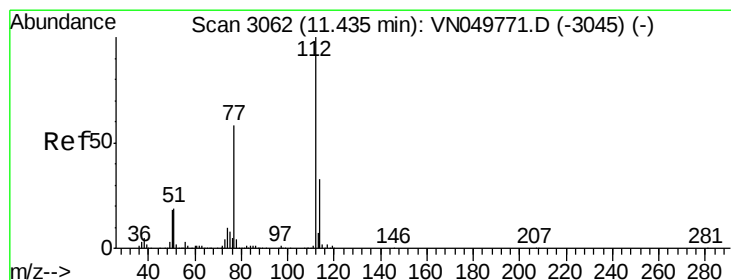
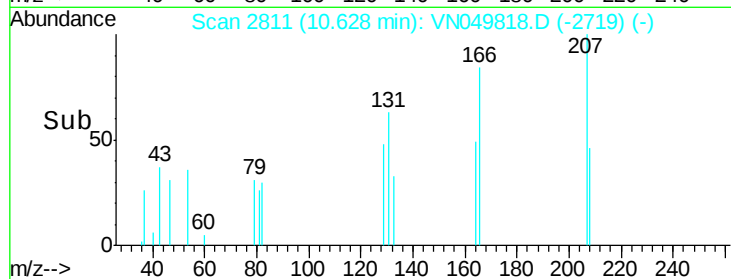
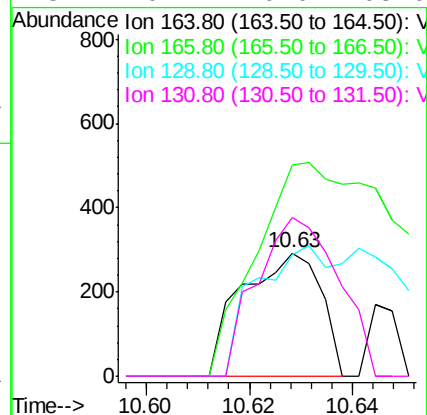
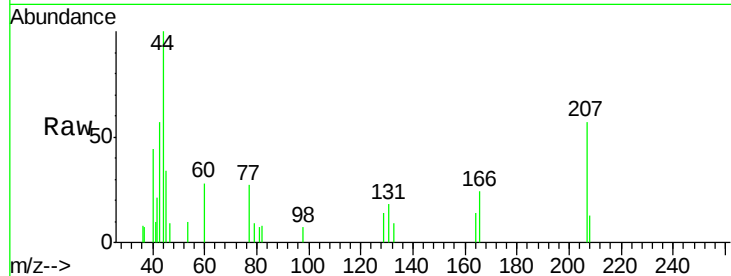




#64
Tetrachloroethene
Concen: 0.02 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

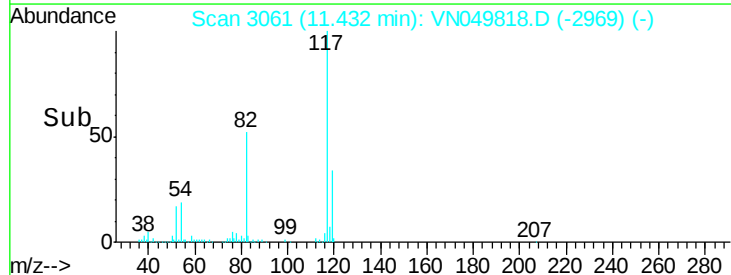
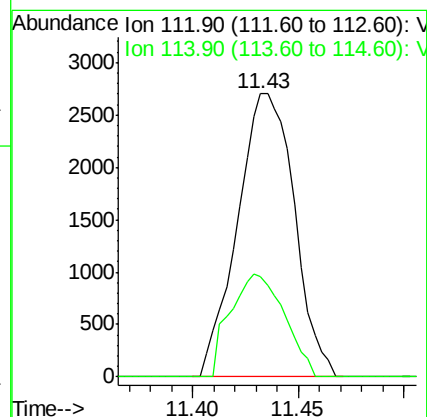
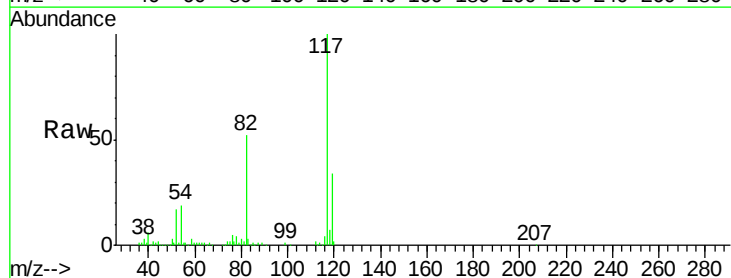
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

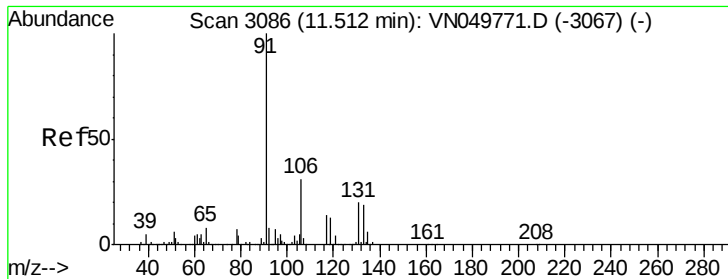
Tot Ion	Ratio	Lower	Upper
164	100		
166	171.9	101.8	152.6#
129	98.6	72.8	109.2
131	129.1	70.0	105.0#



#65
Chlorobenzene
Concen: 0.13 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	35.3	25.4	38.0

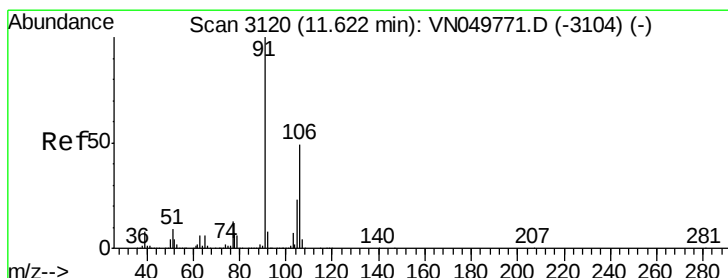
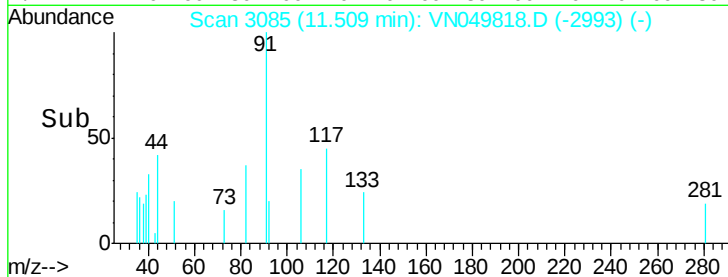
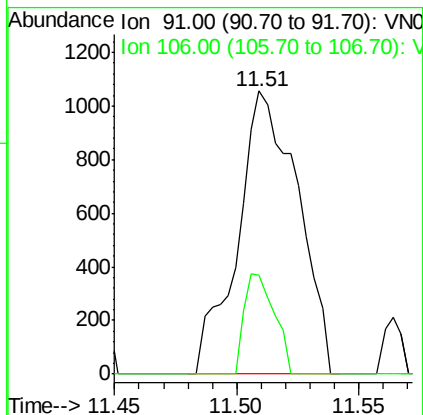
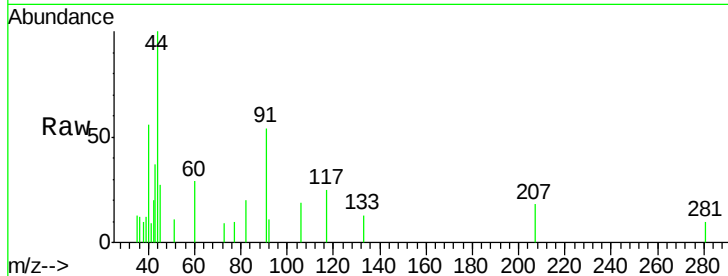




#67
Ethyl Benzene
Concen: 0.03 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

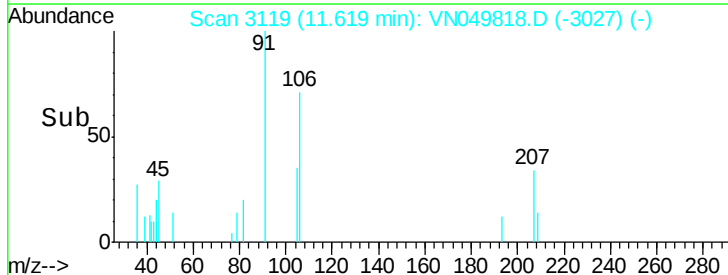
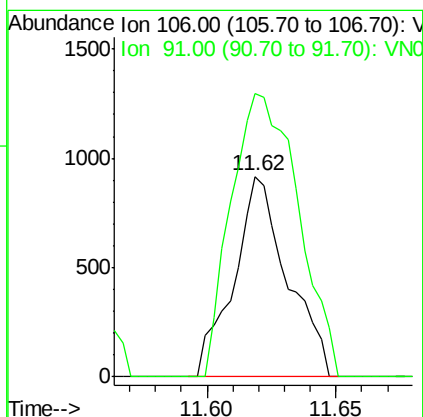
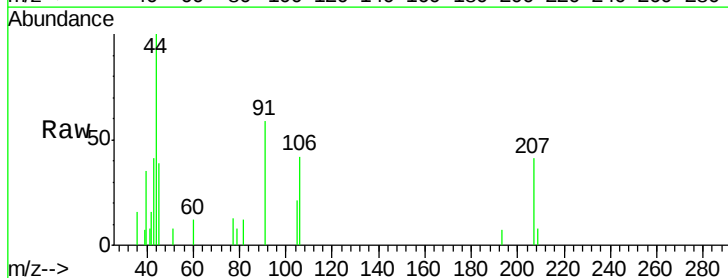
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

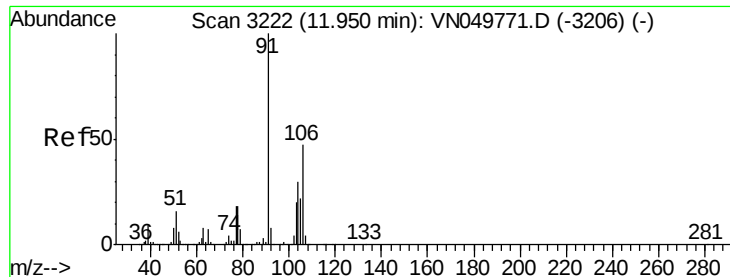
Tot Ion: 91 Resp: 1803
Ion Ratio Lower Upper
91 100
106 35.1 24.8 37.2



#68
m/p-Xylenes
Concen: 0.05 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion: 106 Resp: 1325
Ion Ratio Lower Upper
106 100
91 177.0 163.4 245.2

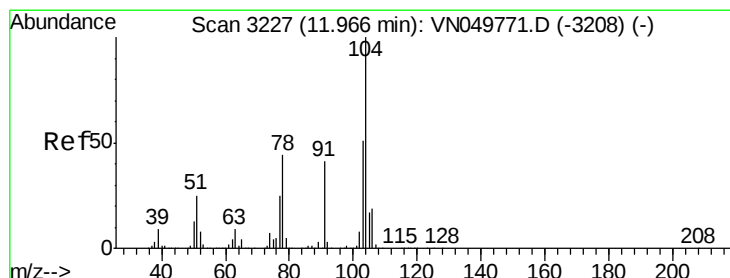
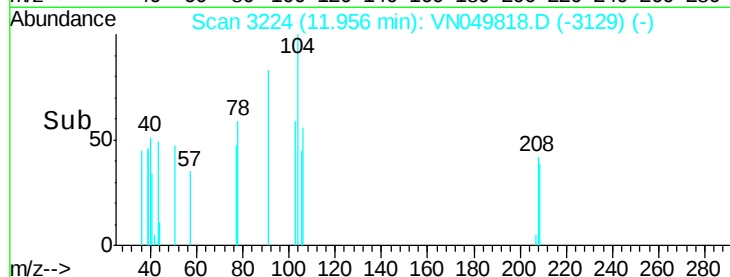
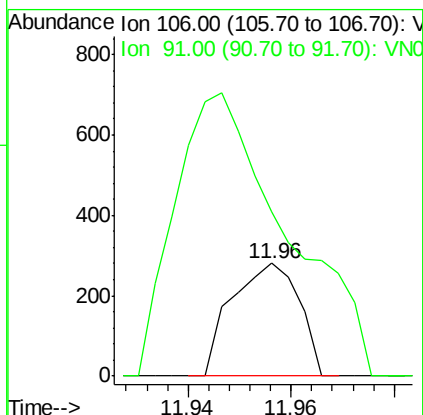
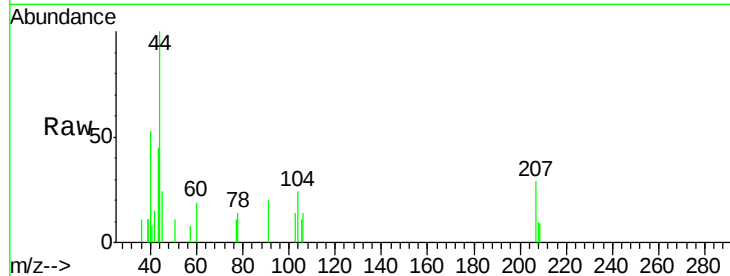




#69
o-Xylene
Concen: 0.01 ug/l
RT: 11.96 min Scan# 3224
Delta R.T. 0.01 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

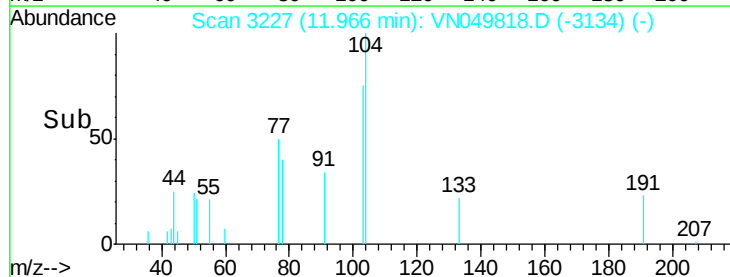
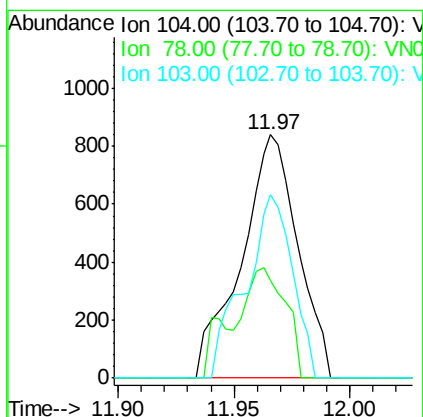
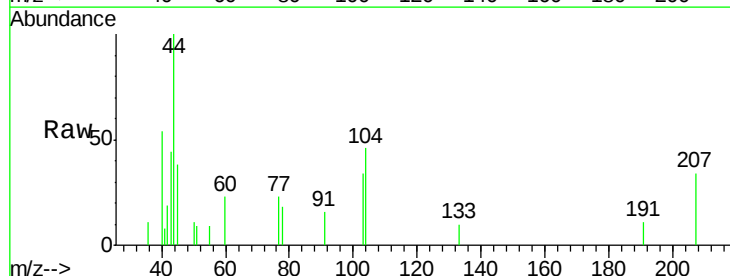
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#15

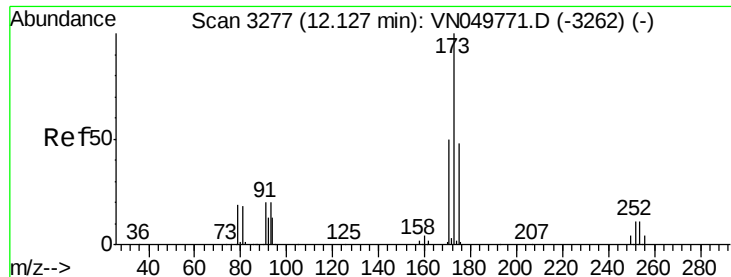
Tot Ion:106 Resp: 254
Ion Ratio Lower Upper
106 100
91 414.2 108.7 326.1#



#70
Styrene
Concen: 0.04 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049818.D
Acq: 14 Jul 2018 1:13

Tgt Ion:104 Resp: 1427
Ion Ratio Lower Upper
104 100
78 32.0 39.2 58.8#
103 63.4 44.6 67.0





#71

Bromoform

Concen: 0.56 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

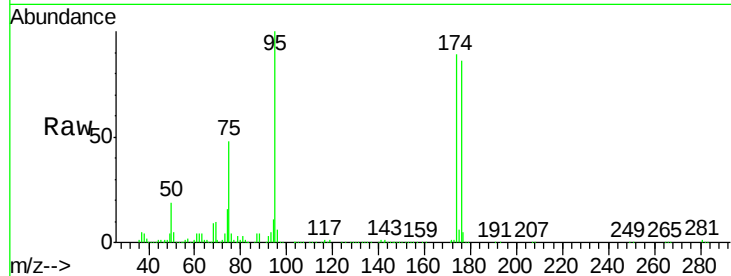
Tot Ion:173 Resp: 5679

Ion Ratio Lower Upper

173 100

175 645.4 24.6 73.8#

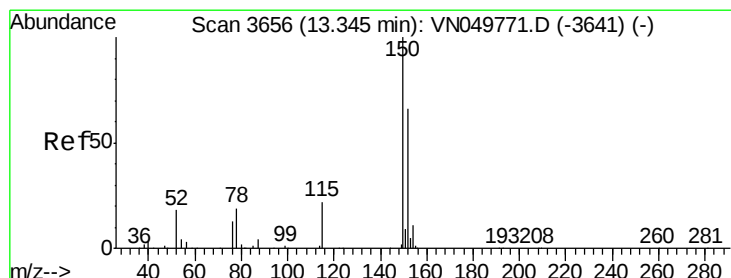
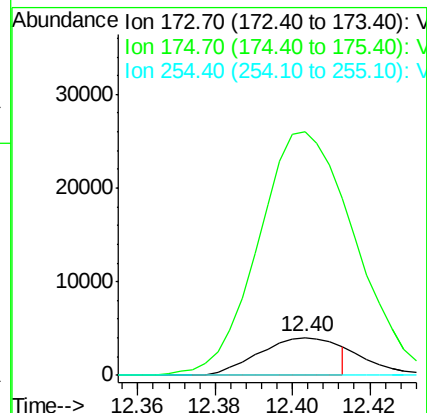
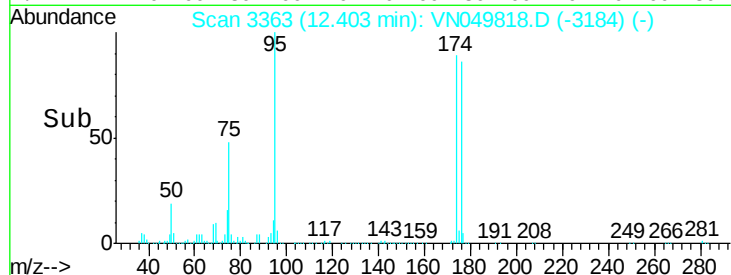
254 0.0 0.2 0.2#



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: VN049818.D

Acq: 14 Jul 2018 1:13

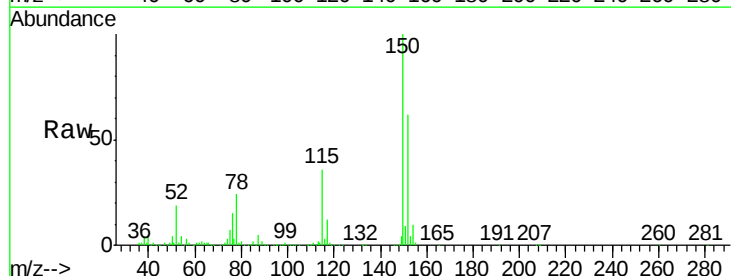
Tgt Ion:152 Resp: 561375

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

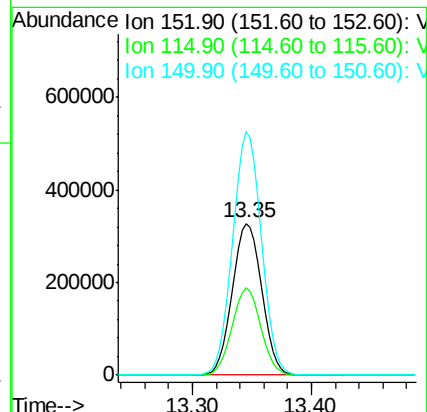
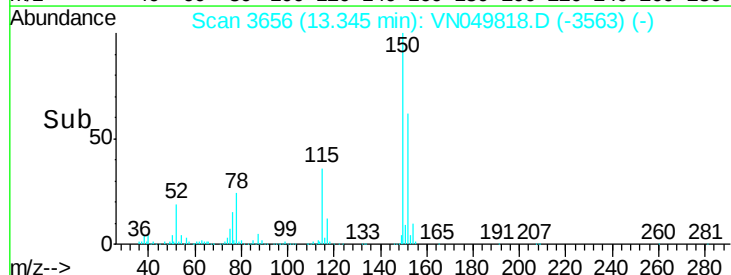
150 157.1 0.0 347.6

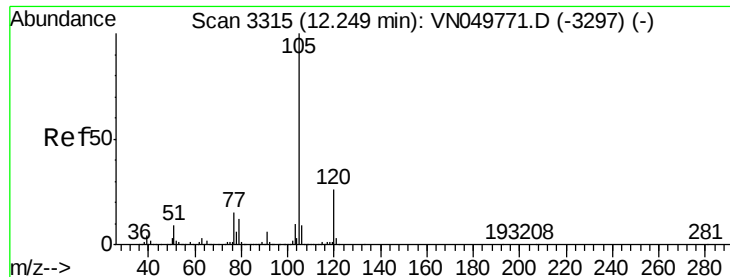


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

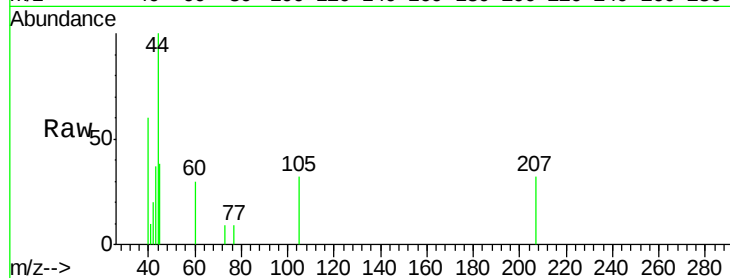
PB111069ZHE#15

Tot Ion:105 Resp: 879

Ion Ratio Lower Upper

105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

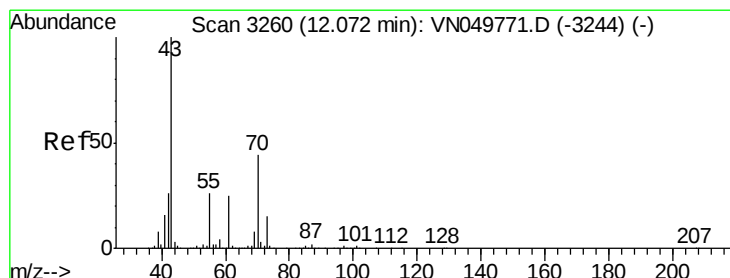
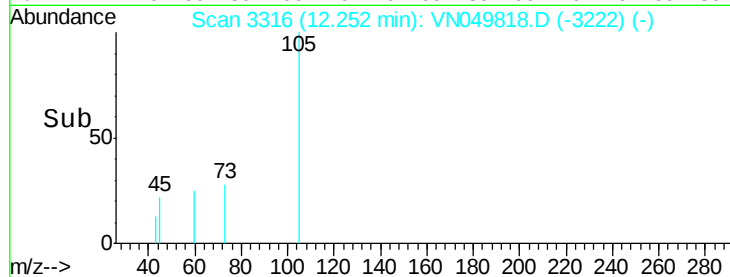
600

400

200

0

Time-->



#74

N-ethyl acetate

Concen: 0.12 ug/l

RT: 12.04 min Scan# 3250

Delta R.T. -0.03 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Tgt Ion: 43 Resp: 1456

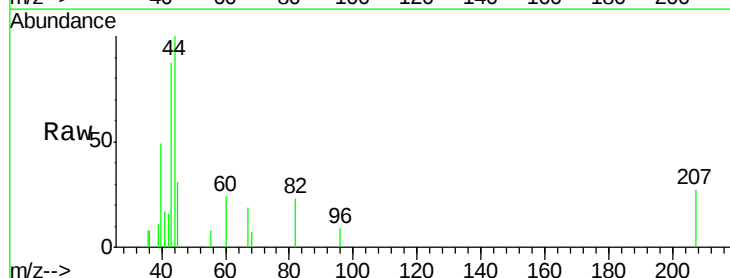
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 11.8 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

12.04

3000

2500

2000

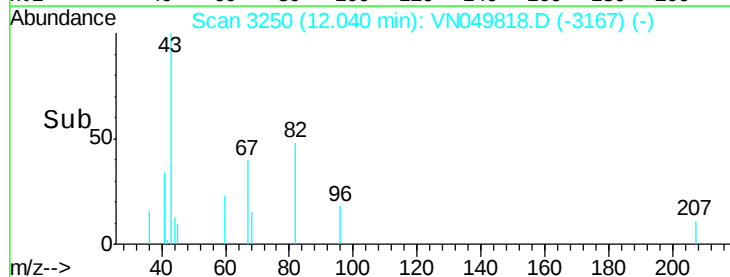
1500

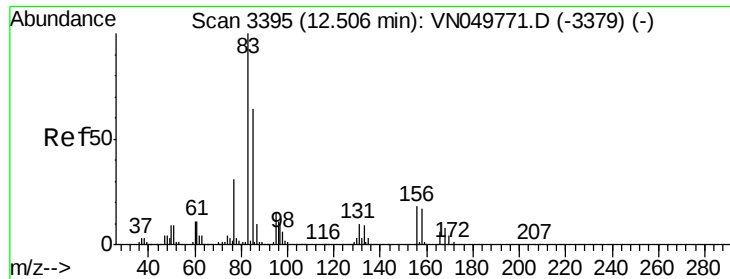
1000

500

0

Time-->

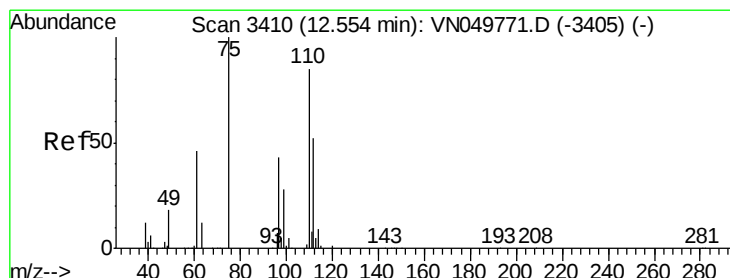
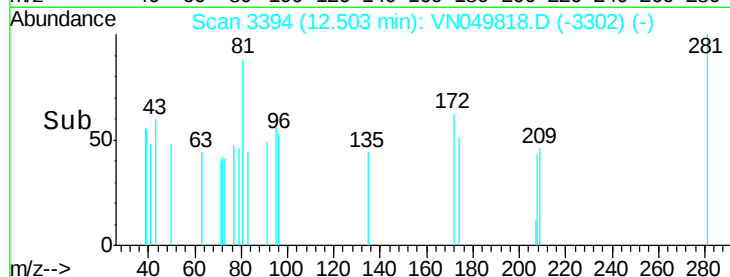
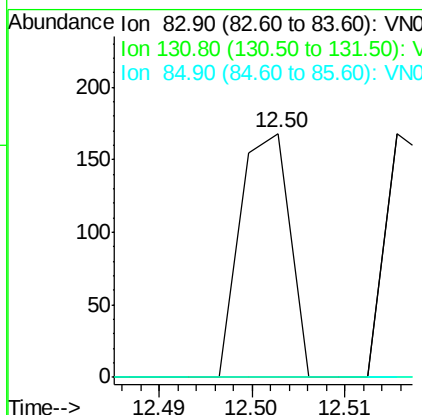
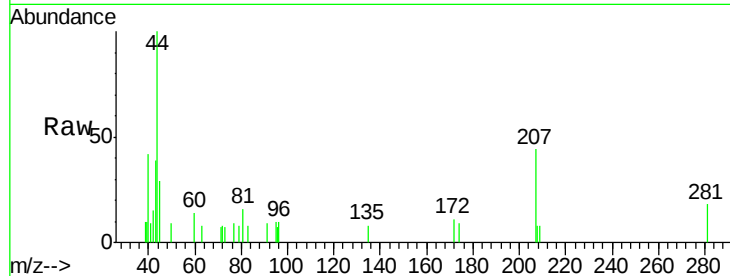




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

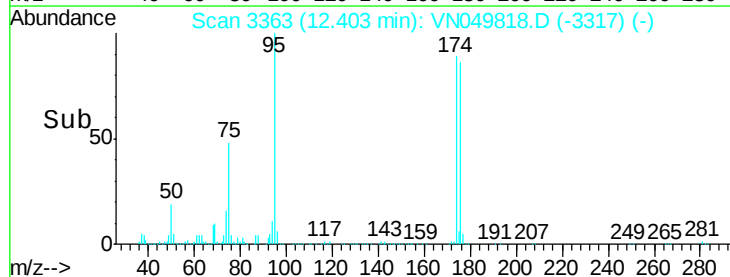
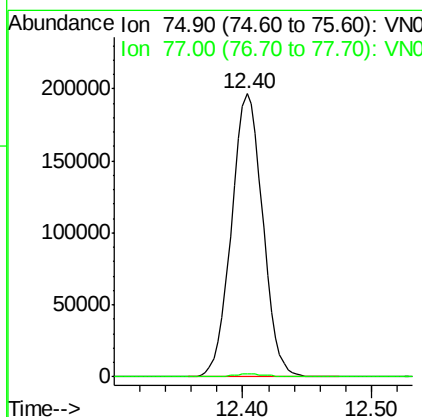
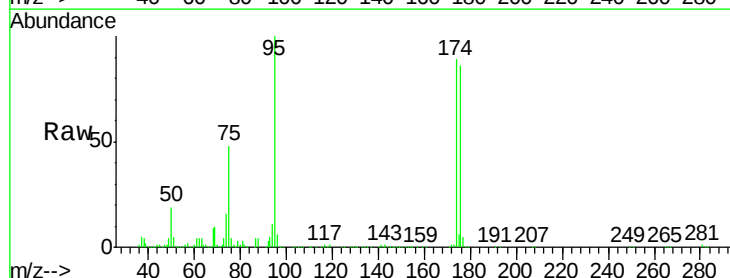
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

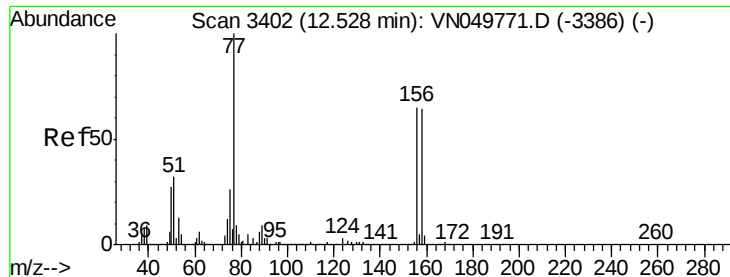
Tot Ion: 83 Resp: 62
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 0.0 32.5 97.4#



#76
 1,2,3-Trichloropropane
 Concen: 33.18 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion: 75 Resp: 330944
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: 0.02 ug/l

RT: 12.52 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

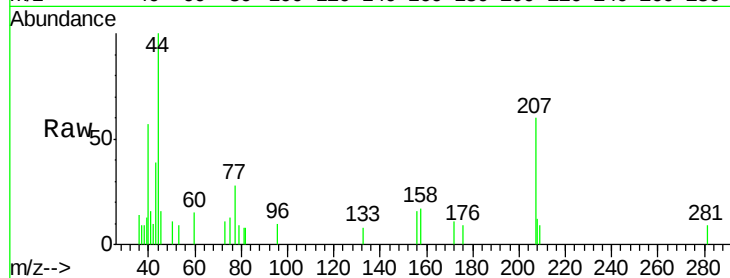
Tot Ion:156 Resp: 269

Ion Ratio Lower Upper

156 100

77 516.7 90.2 270.6#

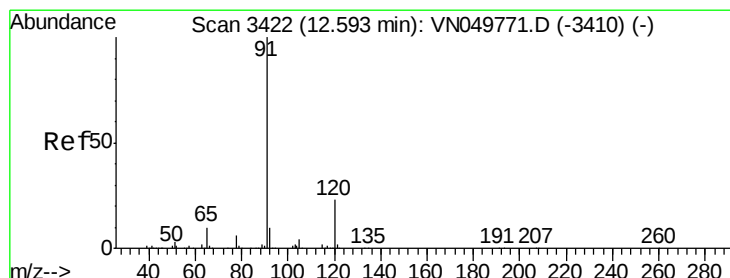
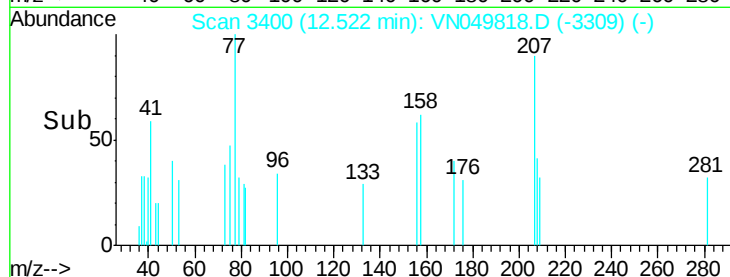
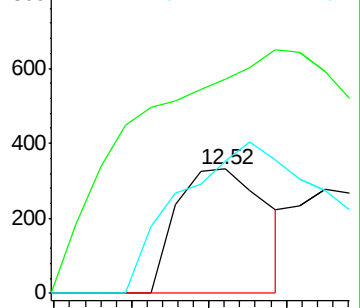
158 203.3 49.1 147.3#



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: 0.04 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049818.D

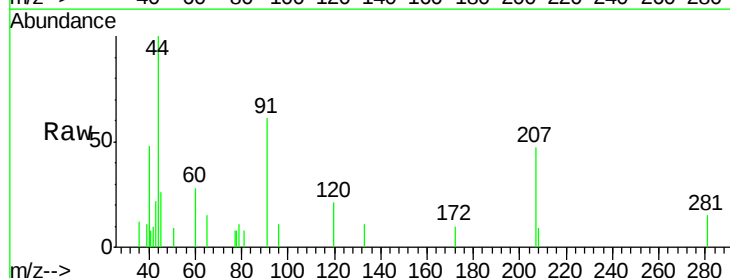
Acq: 14 Jul 2018 1:13

Tgt Ion: 91 Resp: 2258

Ion Ratio Lower Upper

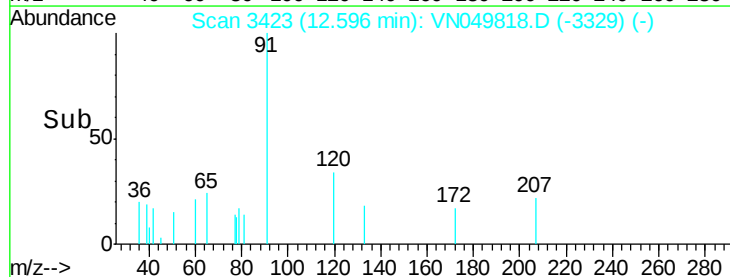
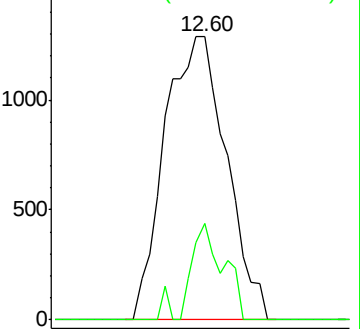
91 100

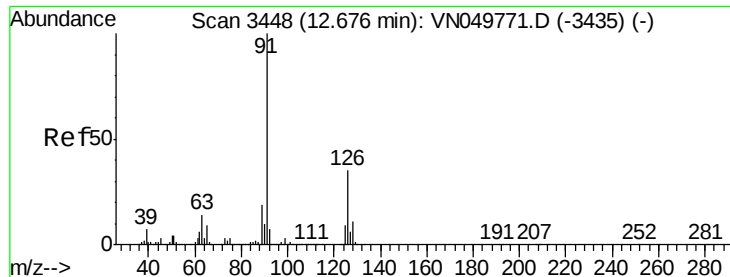
120 17.1 11.5 34.4



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# 3448

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

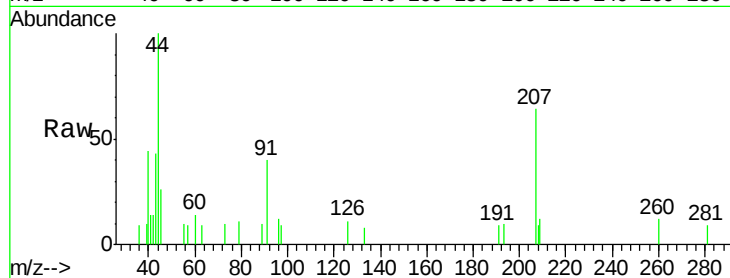
PB111069ZHE#15

Tot Ion: 91 Resp: 1105

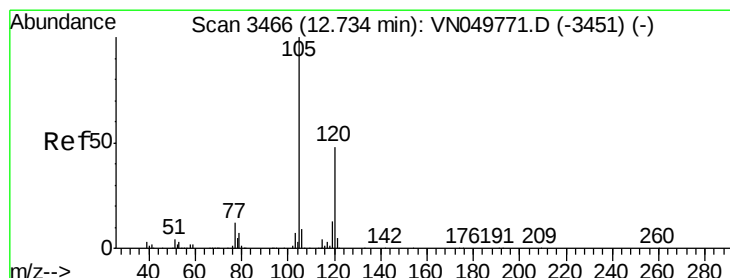
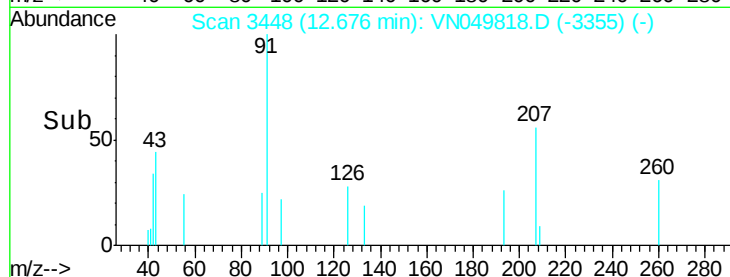
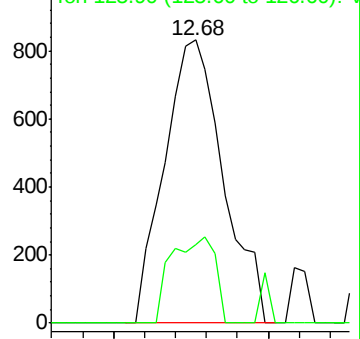
Ion Ratio Lower Upper

91 100

126 22.6 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: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049818.D

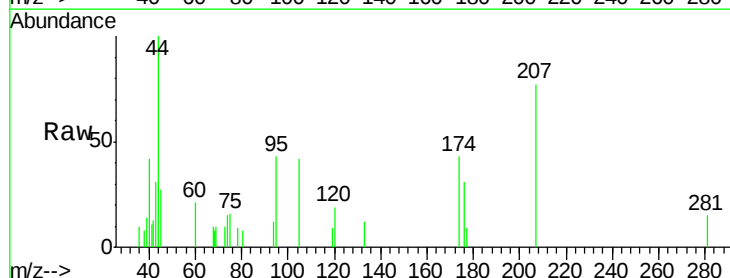
Acq: 14 Jul 2018 1:13

Tgt Ion: 105 Resp: 1093

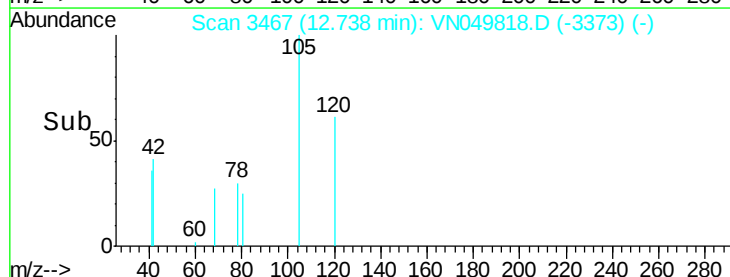
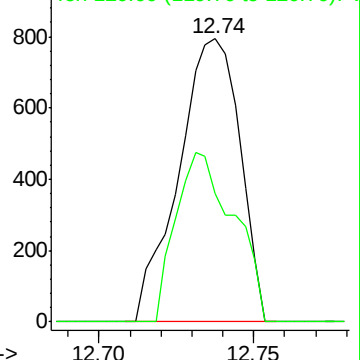
Ion Ratio Lower Upper

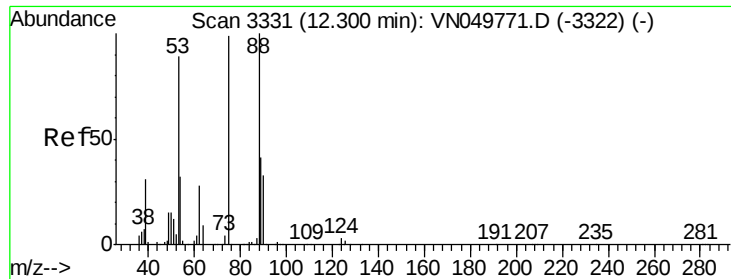
105 100

120 56.6 24.3 72.8



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





#81

trans-1,4-Dichloro-2-butene

Concen: 107.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

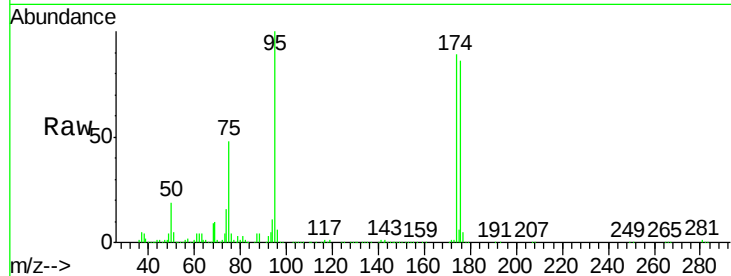
Tot Ion: 75 Resp: 330944

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

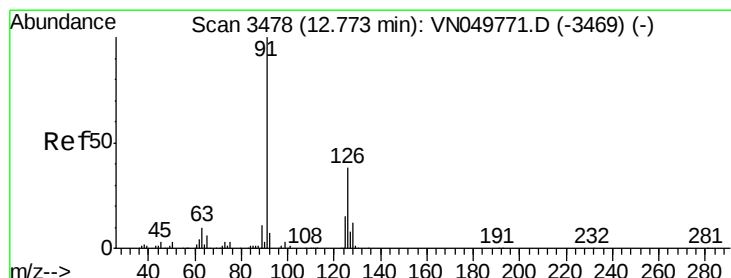
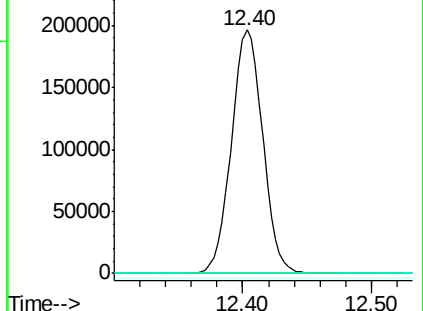
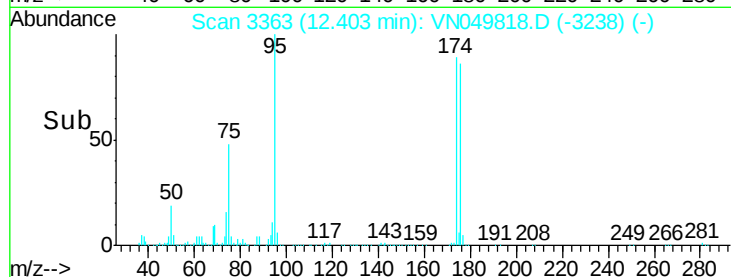
89 0.0 35.9 53.9#



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: 0.05 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049818.D

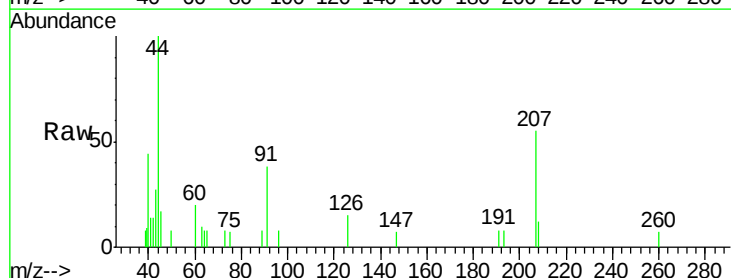
Acq: 14 Jul 2018 1:13

Tgt Ion: 91 Resp: 1663

Ion Ratio Lower Upper

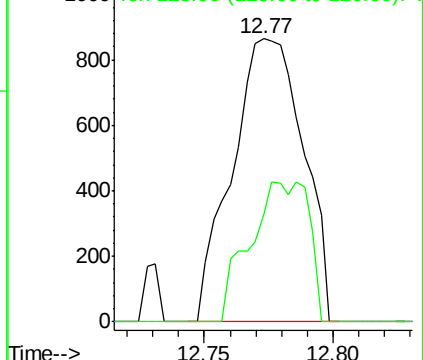
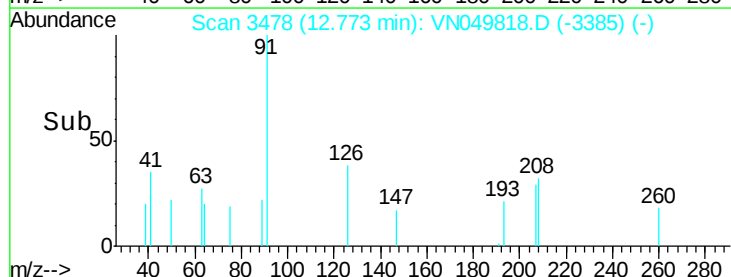
91 100

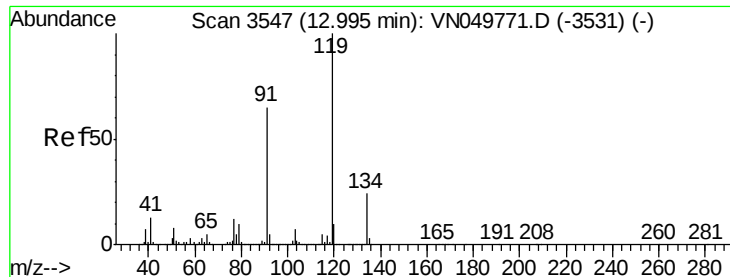
126 41.3 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 0.01 ug/l

RT: 12.99 min Scan# 3545

Delta R.T. -0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

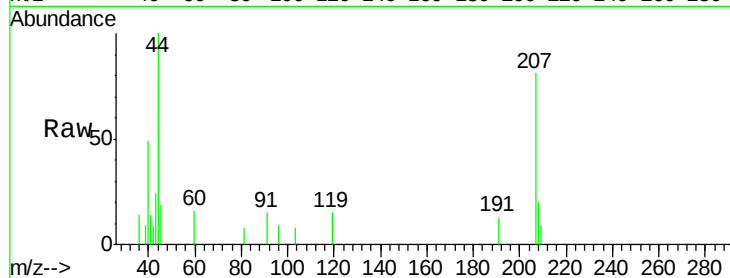
Tot Ion:119 Resp: 457

Ion Ratio Lower Upper

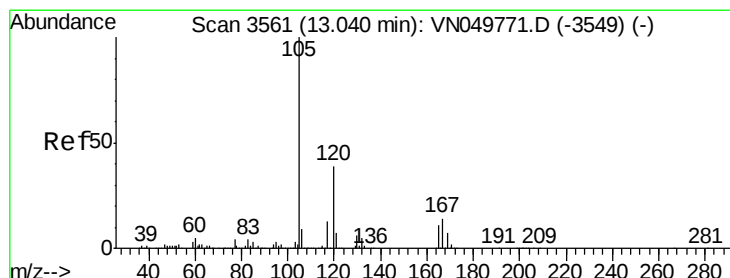
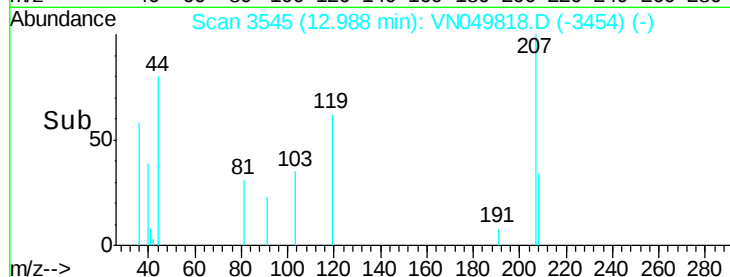
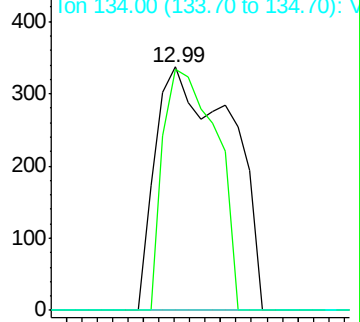
119 100

91 70.0 32.0 96.2

134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.04 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049818.D

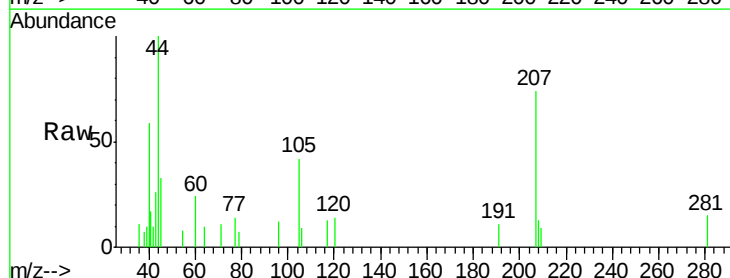
Acq: 14 Jul 2018 1:13

Tgt Ion:105 Resp: 1490

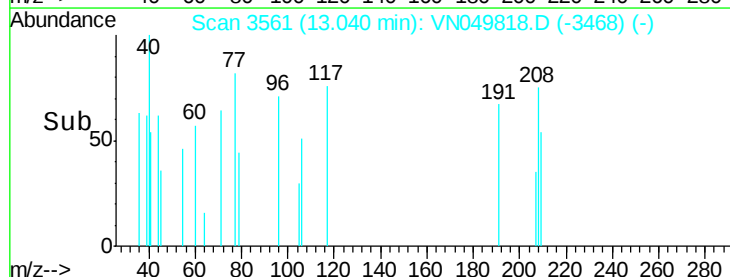
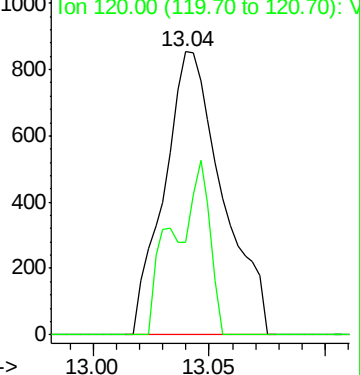
Ion Ratio Lower Upper

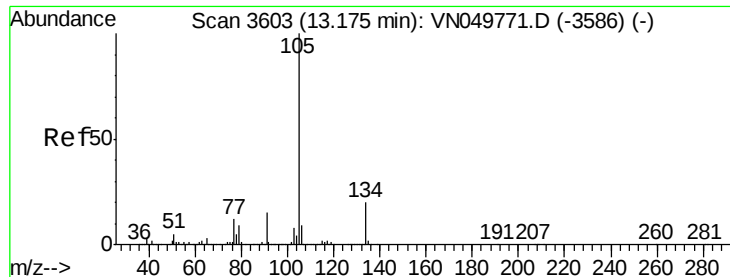
105 100

120 23.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V





#85

sec-Butylbenzene

Concen: 0.02 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

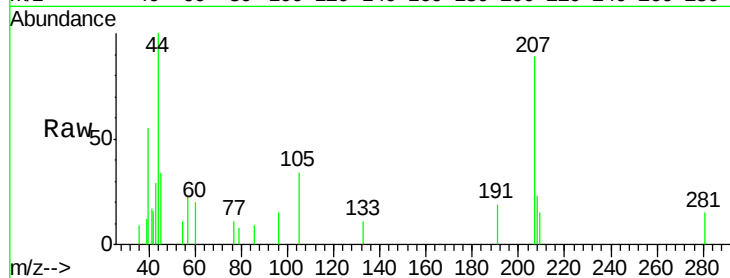
PB111069ZHE#15

Tot Ion:105 Resp: 778

Ion Ratio Lower Upper

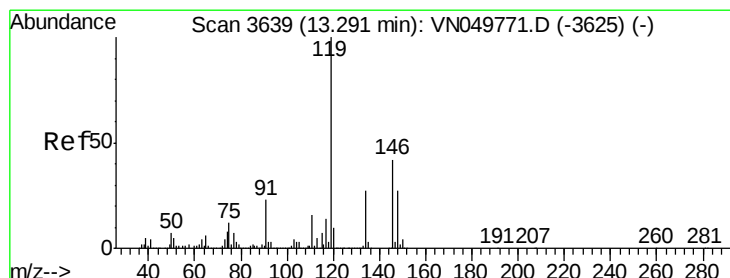
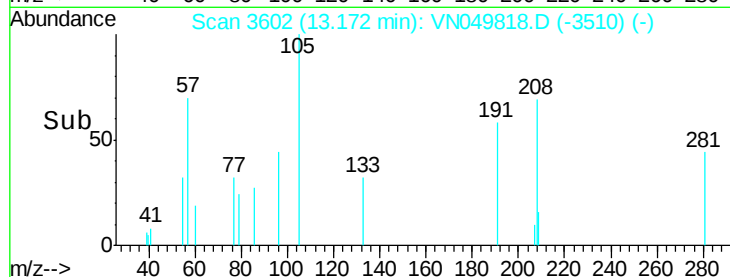
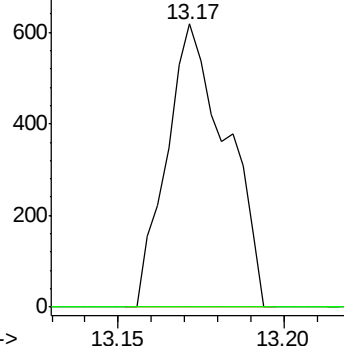
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.03 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

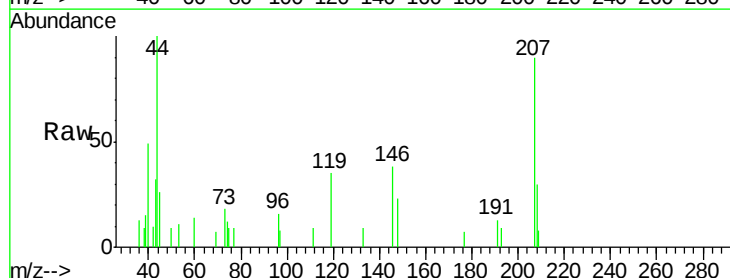
Tgt Ion:119 Resp: 1216

Ion Ratio Lower Upper

119 100

134 9.5 13.3 39.9#

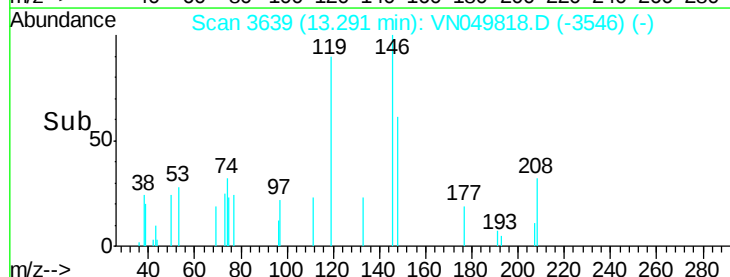
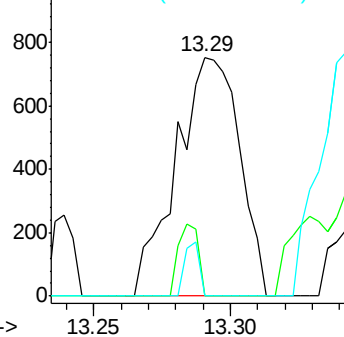
91 5.1 11.4 34.1#

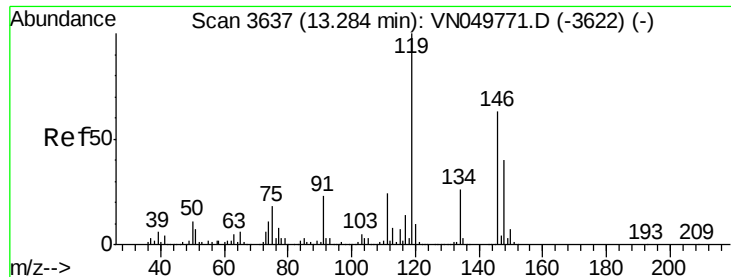


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

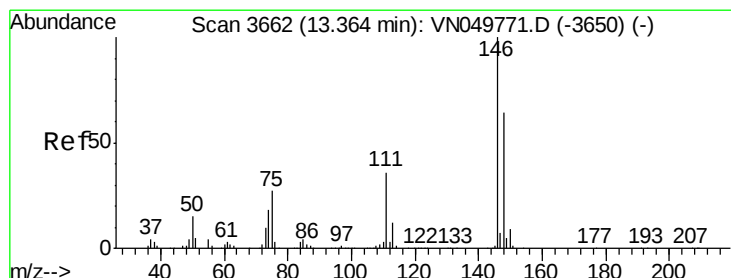
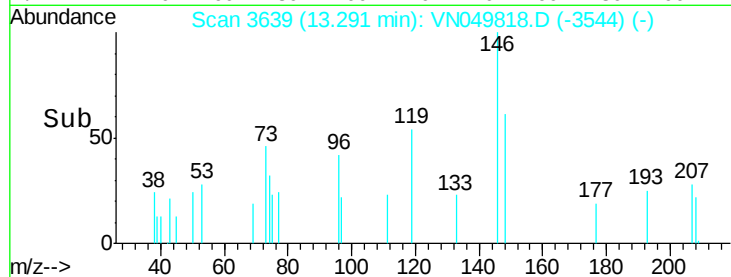
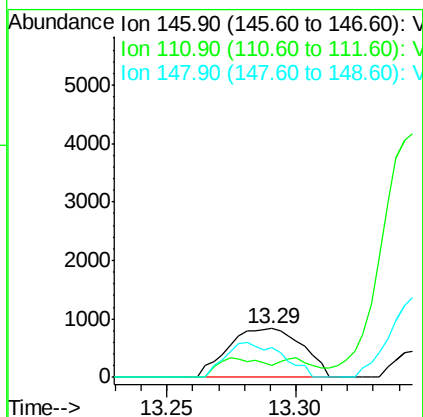
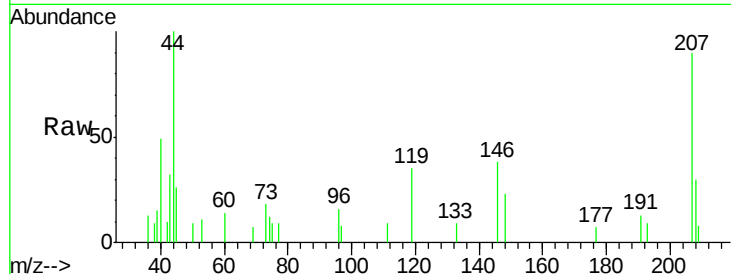




#87
 1,3-Dichlorobenzene
 Concen: 0.08 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.01 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

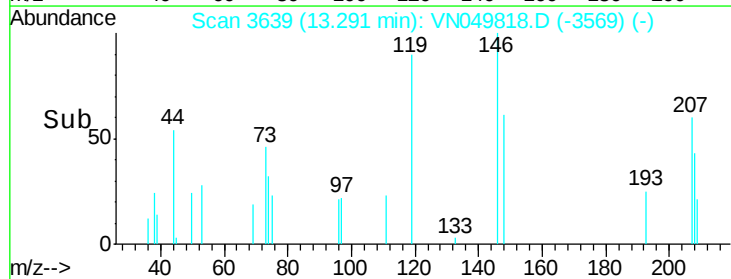
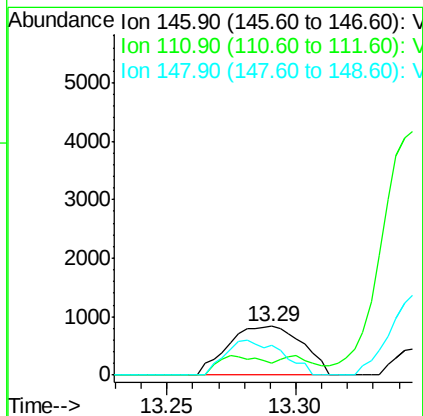
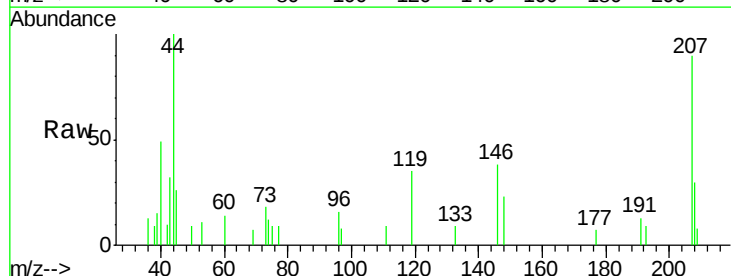
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

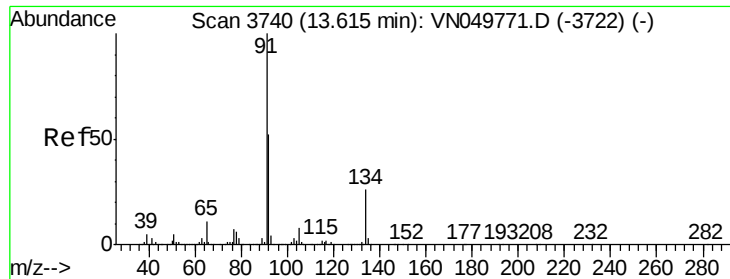
Tot Ion:146 Resp: 1665
 Ion Ratio Lower Upper
 146 100
 111 24.1 19.0 57.0
 148 54.8 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 0.08 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.07 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion:146 Resp: 1665
 Ion Ratio Lower Upper
 146 100
 111 24.1 18.9 56.5
 148 54.8 32.1 96.3





#89

n-Butylbenzene

Concen: 0.04 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

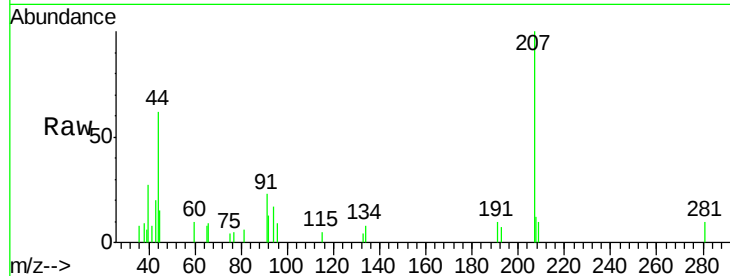
Tot Ion: 91 Resp: 1322

Ion Ratio Lower Upper

91 100

92 61.5 25.8 77.3

134 20.3 13.0 38.9

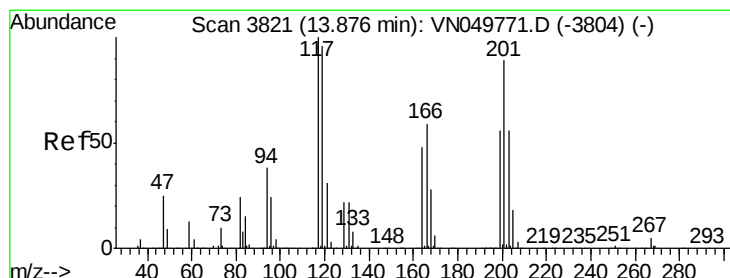
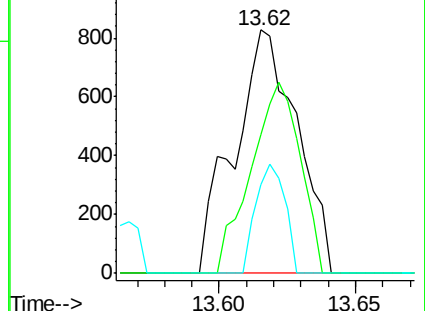
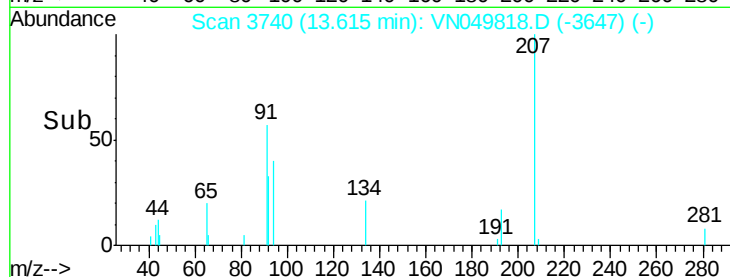


Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3722) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.62 min Scan# 3743

Delta R.T. -0.25 min

Lab File: VN049818.D

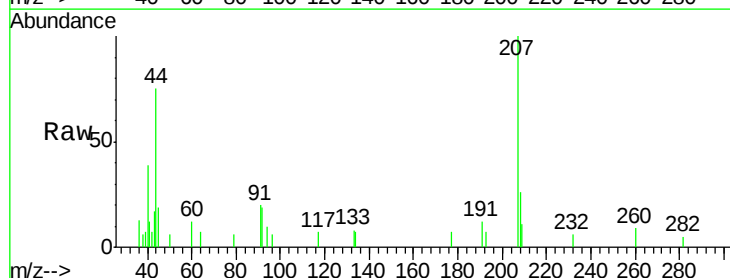
Acq: 14 Jul 2018 1:13

Tgt Ion: 117 Resp: 117

Ion Ratio Lower Upper

117 100

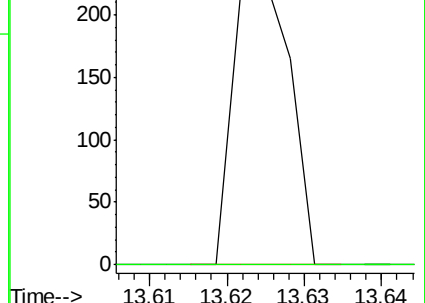
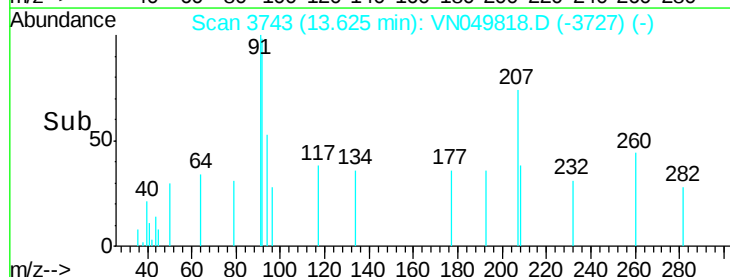
201 0.0 45.3 135.8#

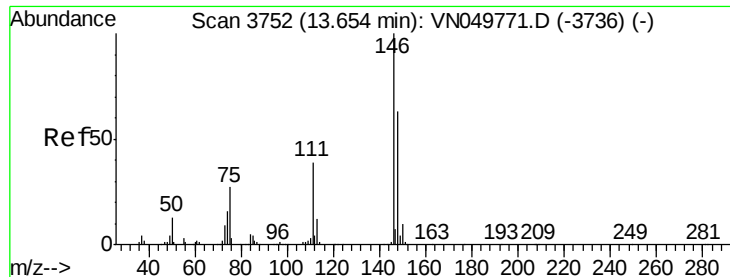


Abundance Ion 116.80 (116.50 to 117.50): VN049771.D (-3804) (-)

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

Time-->





#91

1,2-Dichlorobenzene

Concen: 0.06 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

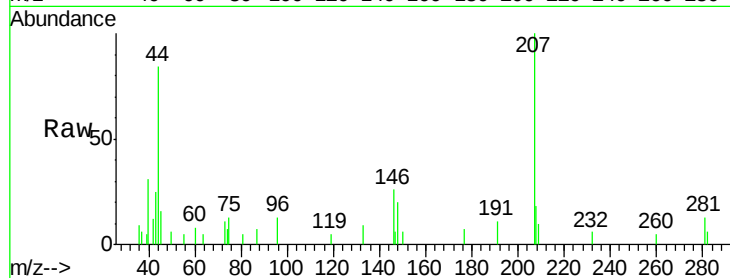
Tot Ion:146 Resp: 1342

Ion Ratio Lower Upper

146 100

111 11.6 19.7 59.1#

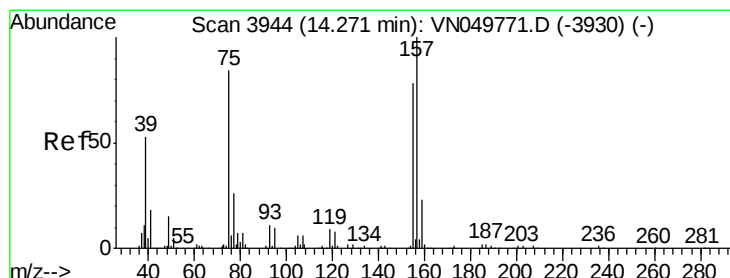
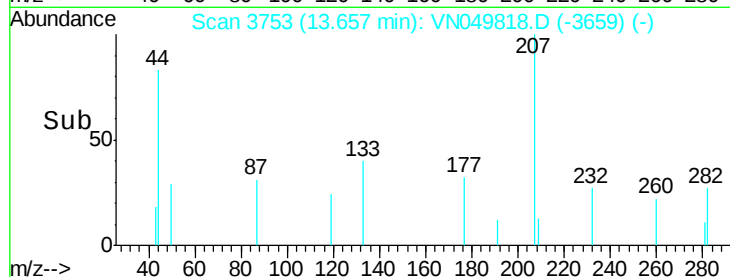
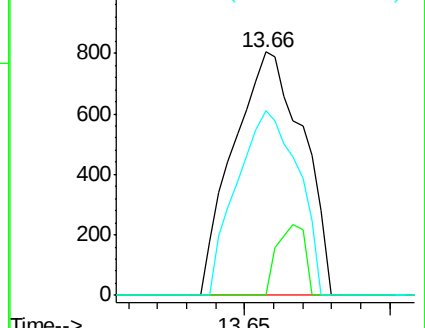
148 66.9 32.0 96.2



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: 14.28 min Scan# 3946

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

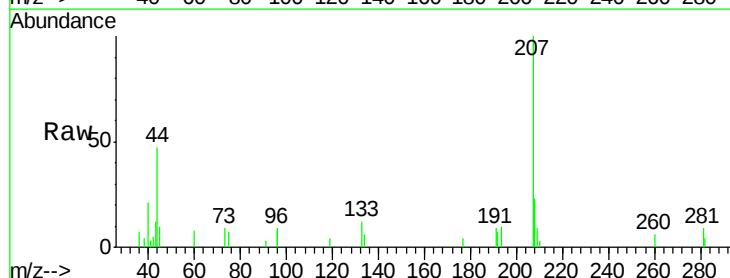
Tgt Ion: 75 Resp: 261

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

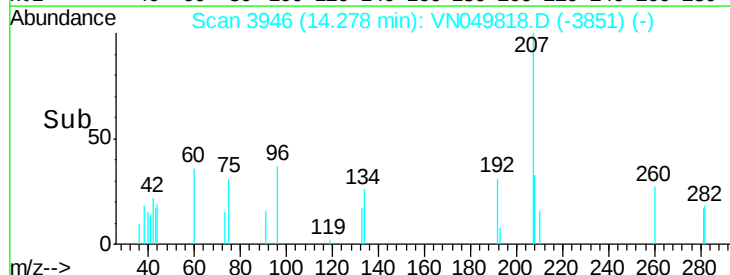
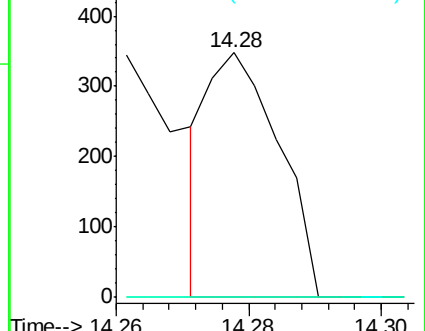
157 0.0 56.9 170.7#

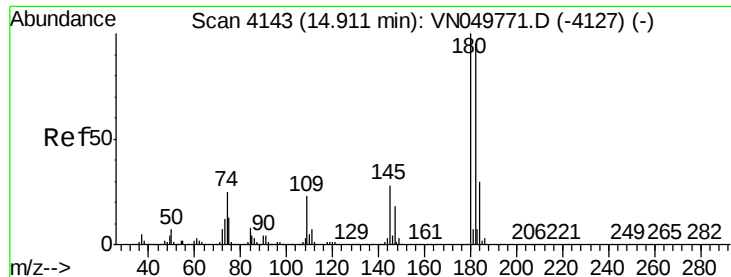


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

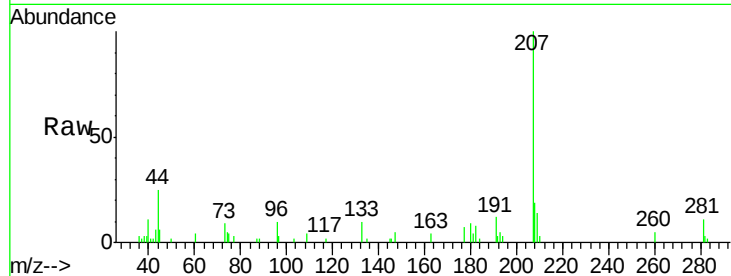




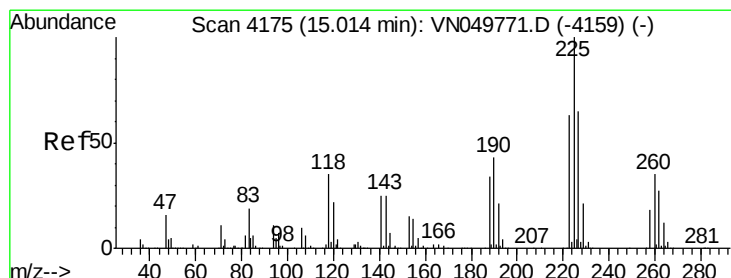
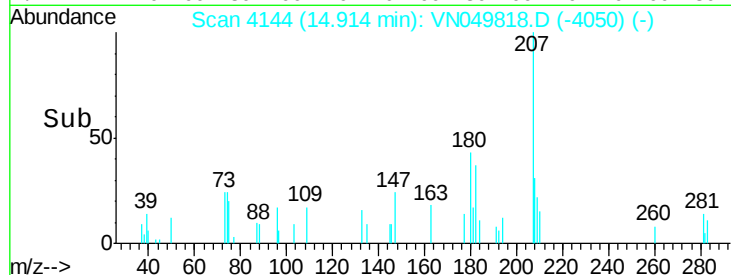
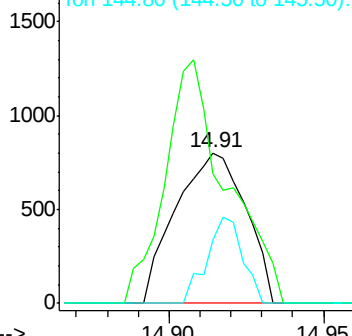
#93
 1,2,4-Trichlorobenzene
 Concen: 2.99 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#15

Tot Ion:180 Resp: 1263
 Ion Ratio Lower Upper
 180 100
 182 142.5 47.3 141.9#
 145 29.0 14.4 43.0

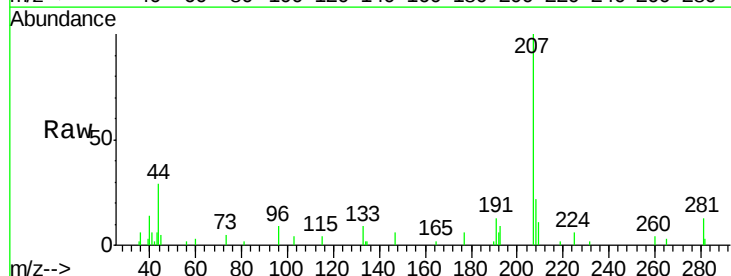


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

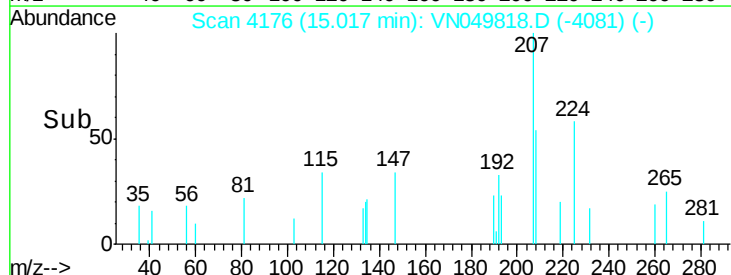
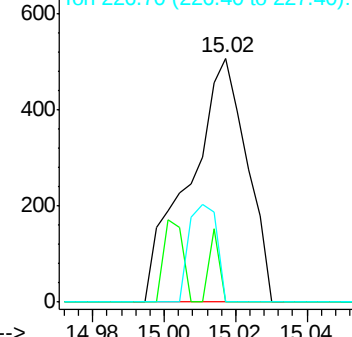


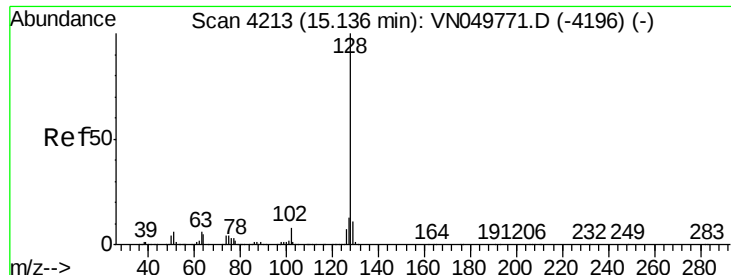
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN049818.D
 Acq: 14 Jul 2018 1:13

Tgt Ion:225 Resp: 566
 Ion Ratio Lower Upper
 225 100
 223 5.3 30.9 92.7#
 227 19.3 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





#95

Naphthalene

Concen: 4.15 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#15

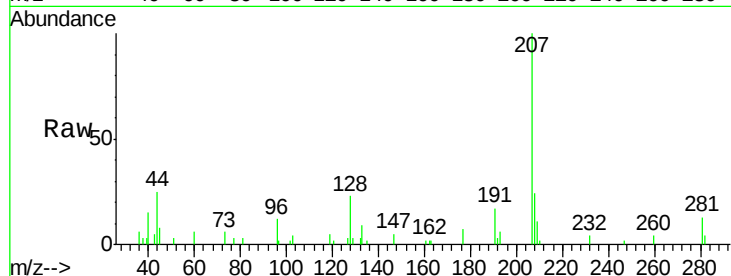
Tot Ion:128 Resp: 3291

Ion Ratio Lower Upper

128 100

127 5.6 10.4 15.6#

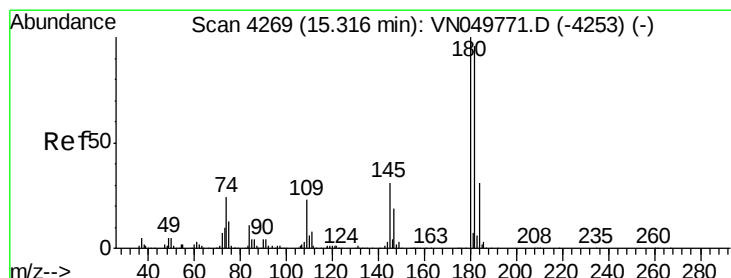
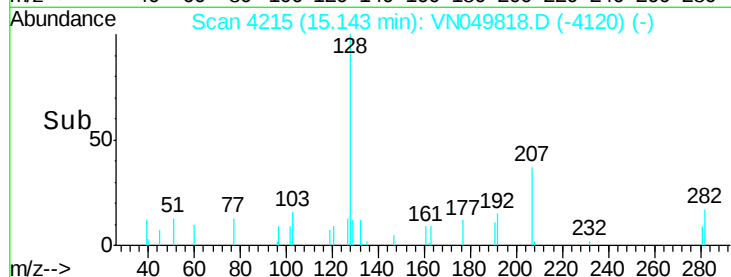
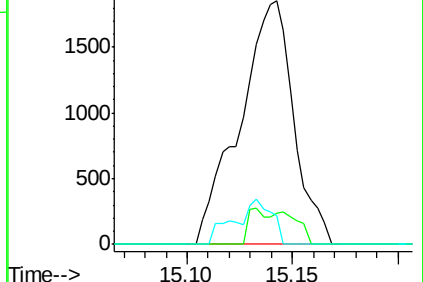
129 12.9 8.6 13.0



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: 0.15 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049818.D

Acq: 14 Jul 2018 1:13

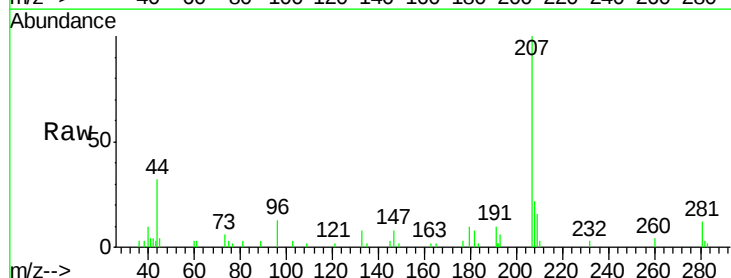
Tgt Ion:180 Resp: 1474

Ion Ratio Lower Upper

180 100

182 82.5 47.4 142.2

145 33.4 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

