

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049817.D
 Acq On : 14 Jul 2018 00:47
 Operator : MD\SY
 Sample : PB111069ZHE#14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

Quant Time: Jul 14 01:40:09 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	1169331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1868103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1549223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	568990	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	794071	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
35) Dibromofluoromethane	7.60	113	725823	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
50) Toluene-d8	10.09	98	2530193	52.49	ug/l	0.00
Spiked Amount			Recovery	=	104.98%	
62) 4-Bromofluorobenzene	12.40	95	689182	40.03	ug/l	0.00
Spiked Amount			Recovery	=	80.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.86	85	589	Below Cal	#	44
3) Chloromethane	2.06	50	2287	Below Cal	#	85
4) Vinyl Chloride	2.18	62	1131	Below Cal		91
5) Bromomethane	2.57	94	1665	Below Cal		94
6) Chloroethane	2.70	64	120	0.01	ug/l #	55
7) Trichlorofluoromethane	3.03	101	704	0.03	ug/l	87
8) Diethyl Ether	3.40	74	299	0.04	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	540	0.04	ug/l #	26
10) Methyl Iodide	3.96	142	1874	0.10	ug/l #	81
11) Tert butyl alcohol	4.75	59	207	0.23	ug/l #	72
12) 1,1-Dichloroethene	3.72	96	342	0.03	ug/l #	41
13) Acrolein	3.61	56	413	0.52	ug/l #	68
14) Allyl chloride	4.32	41	963	0.05	ug/l #	59
15) Acrylonitrile	5.00	53	347	0.08	ug/l #	2
16) Acetone	3.82	43	29593	6.82	ug/l	96
17) Carbon Disulfide	4.05	76	8331	Below Cal	#	83
18) Methyl Acetate	4.33	43	68311	5.35	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	32	0.00	ug/l #	53
20) Methylene Chloride	4.56	84	28966	1.18	ug/l	96
21) trans-1,2-Dichloroethene	5.06	96	1459	0.11	ug/l #	75
22) Diisopropyl ether	5.95	45	106	0.00	ug/l #	52
23) Vinyl Acetate	5.90	43	591	0.02	ug/l #	72
24) 1,1-Dichloroethane	5.85	63	357	0.01	ug/l #	83
25) 2-Butanone	6.86	43	7084	1.34	ug/l	95
26) 2,2-Dichloropropane	6.83	77	841	0.04	ug/l #	52
27) cis-1,2-Dichloroethene	6.82	96	571	0.04	ug/l	27
28) Bromochloromethane	7.20	49	329	0.03	ug/l #	44
29) Tetrahydrofuran	7.22	42	2558	0.77	ug/l #	74
30) Chloroform	7.37	83	537	0.02	ug/l #	18
31) Cyclohexane	7.67	56	21327	0.76	ug/l #	1
32) 1,1,1-Trichloroethane	7.65	97	30	0.00	ug/l #	24
36) 1,1-Dichloropropene	7.67	75	79792	3.71	ug/l #	50
37) Ethyl Acetate	6.99	43	291	0.02	ug/l #	68
38) Carbon Tetrachloride	7.67	117	106528	4.73	ug/l #	16

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Quant Time: Jul 14 01:40:09 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)
39) Methylcyclohexane	9.08	83	827	0.04	ug/l	96
40) Benzene	8.05	78	1792	0.03	ug/l #	89
41) Methacrylonitrile	7.17	41	520	0.07	ug/l #	43
42) 1,2-Dichloroethane	8.13	62	362	0.02	ug/l #	74
43) Isopropyl Acetate	8.26	43	184955	8.08	ug/l #	63
44) Trichloroethene	8.84	130	855	0.05	ug/l	81
45) 1,2-Dichloropropane	9.12	63	30	0.00	ug/l #	44
46) Dibromomethane	9.21	93	428	0.04	ug/l #	56
47) Bromodichloromethane	9.41	83	375	0.02	ug/l #	26
48) Methyl methacrylate	9.21	41	652	0.06	ug/l #	55
51) 4-Methyl-2-Pentanone	9.99	43	4451	0.36	ug/l	95
52) Toluene	10.16	92	2147	0.06	ug/l	82
53) t-1,3-Dichloropropene	10.38	75	1187	0.05	ug/l #	76
54) cis-1,3-Dichloropropene	9.84	75	803	0.03	ug/l #	76
55) 1,1,2-Trichloroethane	10.56	97	410	Below	Cal #	25
56) Ethyl methacrylate	10.43	69	432	0.02	ug/l #	1
57) 1,3-Dichloropropane	10.71	76	510	0.02	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.70	63	610	0.07	ug/l #	48
59) 2-Hexanone	10.76	43	2995	0.36	ug/l	97
60) Dibromochloromethane	10.89	129	147	0.01	ug/l #	1
61) 1,2-Dibromoethane	11.01	107	266	0.02	ug/l #	4
64) Tetrachloroethene	10.62	164	1089	0.08	ug/l #	79
65) Chlorobenzene	11.44	112	6389	0.16	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.52	131	183	0.01	ug/l #	32
67) Ethyl Benzene	11.51	91	3439	0.05	ug/l #	85
68) m/p-Xylenes	11.62	106	2464	0.10	ug/l	98
69) o-Xylene	11.95	106	741	0.03	ug/l	78
70) Stvrene	11.97	104	2716	0.07	ug/l	99
71) Bromoform	12.13	173	270	0.03	ug/l #	28
73) Isopropylbenzene	12.25	105	2179	0.05	ug/l	97
74) N-amyl acetate	12.08	43	2176	0.18	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.51	83	773	Below	Cal #	73
76) 1,2,3-Trichloropropane	12.40	75	332833	32.93	ug/l #	100
77) Bromobenzene	12.53	156	1656	0.13	ug/l	86
78) n-propylbenzene	12.60	91	4883	0.09	ug/l	93
79) 2-Chlorotoluene	12.67	91	2660	0.08	ug/l	94
80) 1,3,5-Trimethylbenzene	12.74	105	2345	0.06	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	332833	106.33	ug/l #	13
82) 4-Chlorotoluene	12.77	91	4995	0.15	ug/l	90
83) tert-Butylbenzene	12.98	119	1099	0.03	ug/l	81
84) 1,2,4-Trimethylbenzene	13.04	105	2646	0.07	ug/l	81
85) sec-Butylbenzene	13.18	105	2616	0.06	ug/l	83
86) p-Isopropyltoluene	13.29	119	2281	0.06	ug/l	87
87) 1,3-Dichlorobenzene	13.28	146	4541	0.21	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	4541	0.21	ug/l	98
89) n-Butylbenzene	13.62	91	4073	0.13	ug/l	88
90) Hexachloroethane	13.86	117	220	Below	Cal #	4
91) 1,2-Dichlorobenzene	13.65	146	3360	0.16	ug/l	78
92) 1,2-Dibromo-3-Chloropropan	14.26	75	319	Below	Cal	85
93) 1,2,4-Trichlorobenzene	14.91	180	5519	3.34	ug/l	94

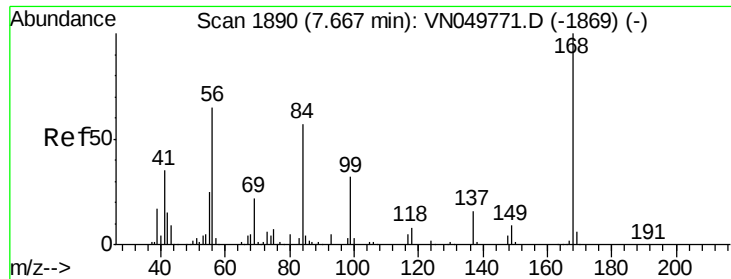
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
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QLast Update : Thu Jul 12 15:51:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	2013	Below Cal		88
95) Naphthalene	15.14	128	15007	4.57	ug/l	95
96) 1,2,3-Trichlorobenzene	15.32	180	6434	0.63	ug/l	97

(#) = 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: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

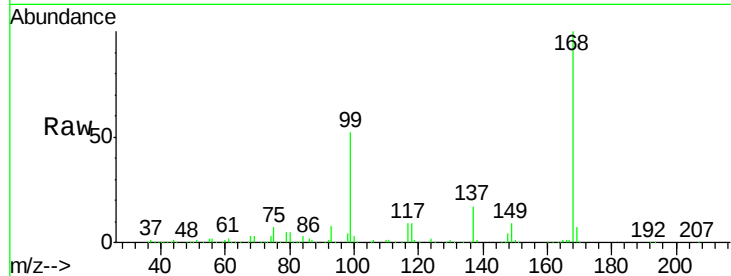
PB111069ZHE#14

Tot Ion:168 Resp: 1169331

Ion Ratio Lower Upper

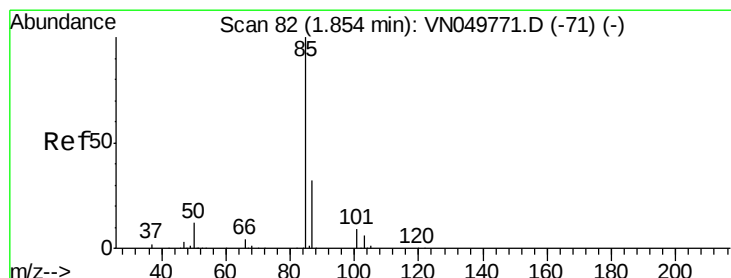
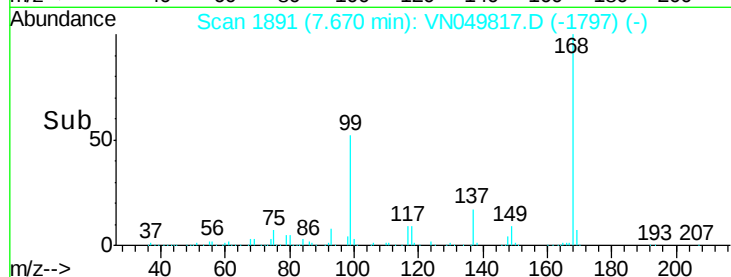
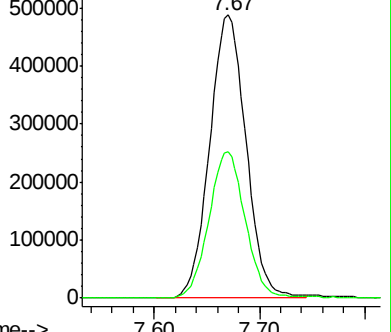
168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.86 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN049817.D

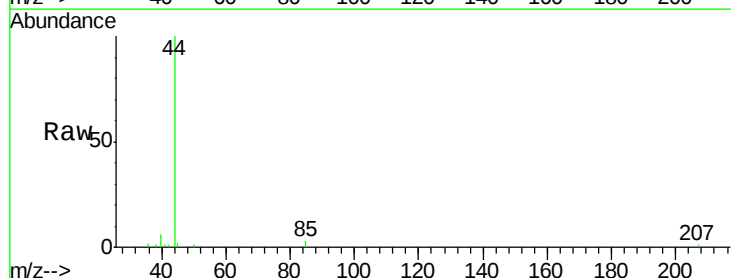
Acq: 14 Jul 2018 00:47

Tgt Ion: 85 Resp: 589

Ion Ratio Lower Upper

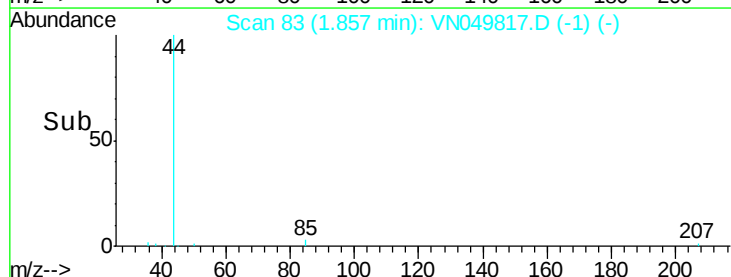
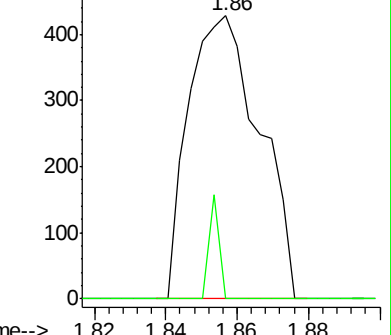
85 100

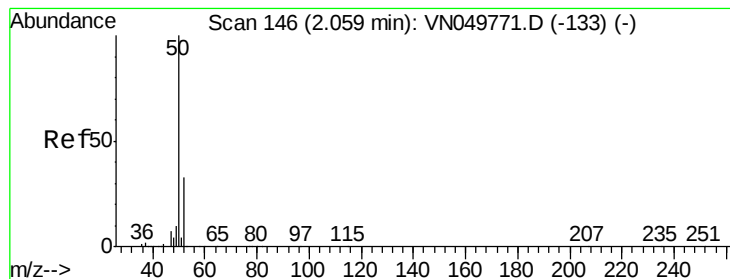
87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

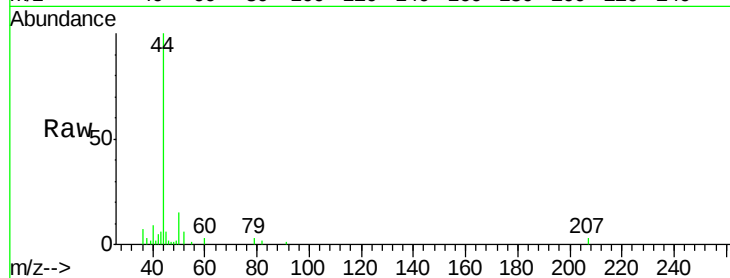
PB111069ZHE#14

Tot Ion: 50 Resp: 2287

Ion Ratio Lower Upper

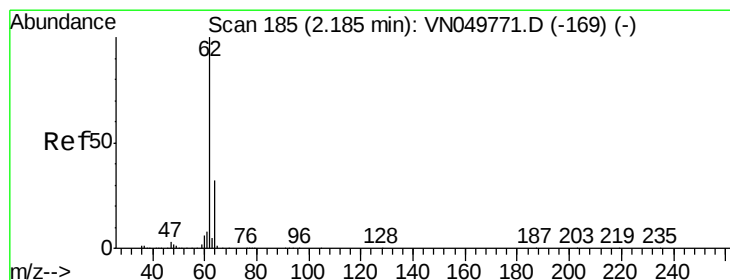
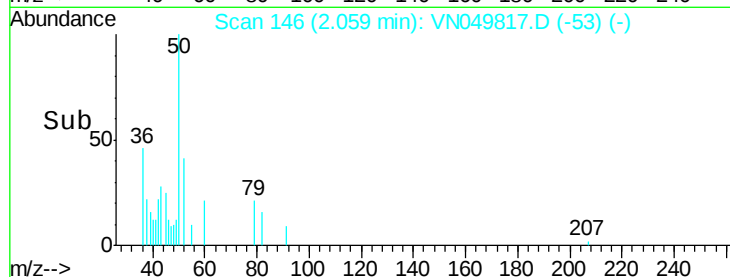
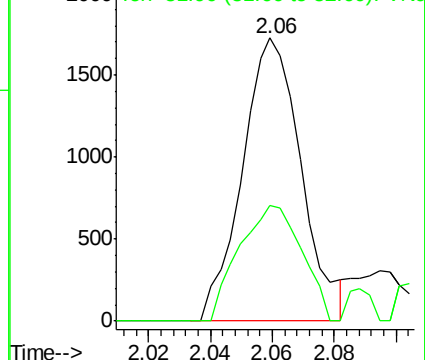
50 100

52 41.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049817.D

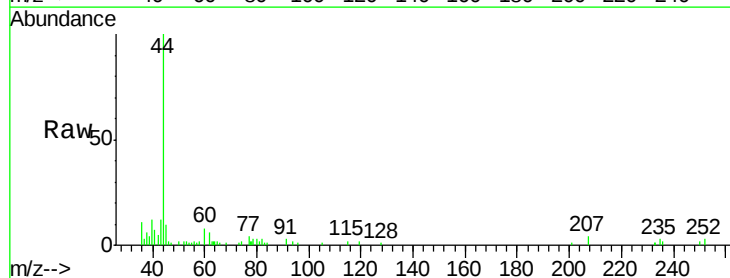
Acq: 14 Jul 2018 00:47

Tgt Ion: 62 Resp: 1131

Ion Ratio Lower Upper

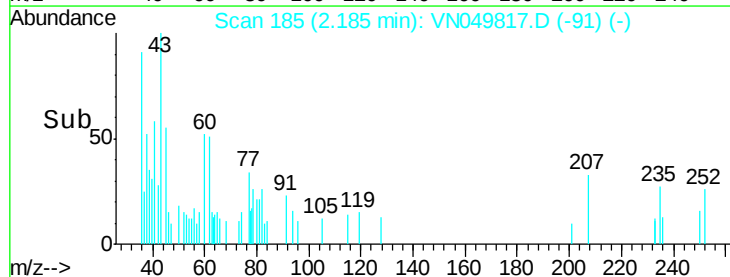
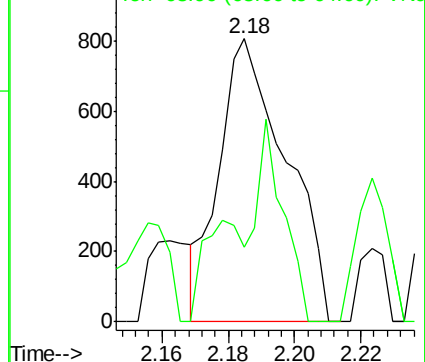
62 100

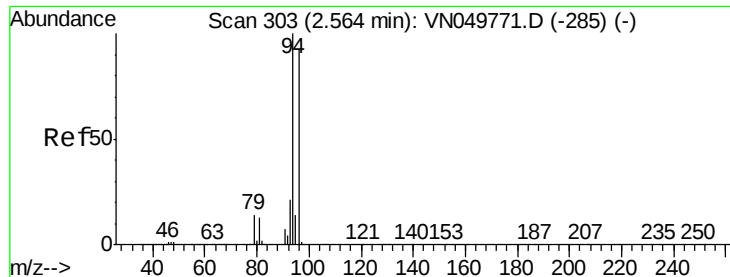
64 26.6 25.4 38.0



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: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

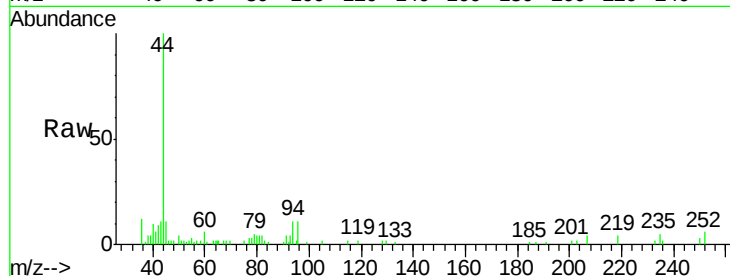
PB111069ZHE#14

Tot Ion: 94 Resp: 1665

Ion Ratio Lower Upper

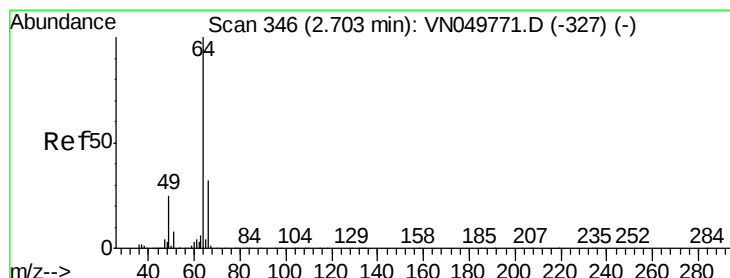
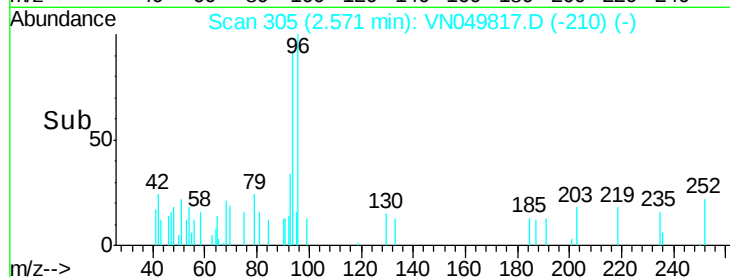
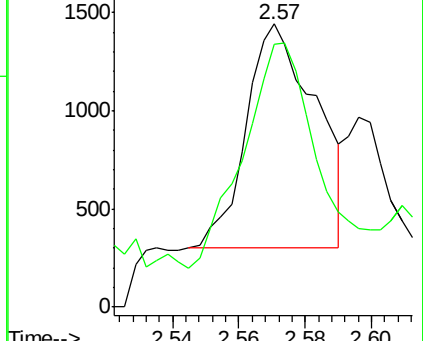
94 100

96 100.2 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.01 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049817.D

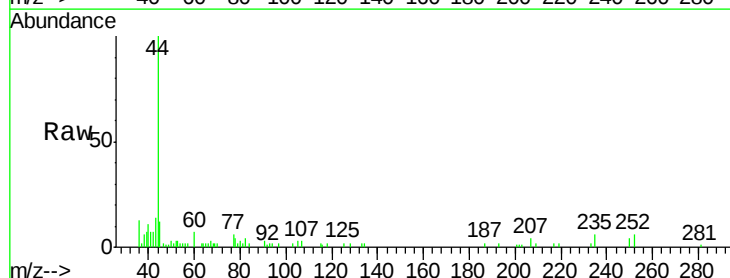
Acq: 14 Jul 2018 00:47

Tgt Ion: 64 Resp: 120

Ion Ratio Lower Upper

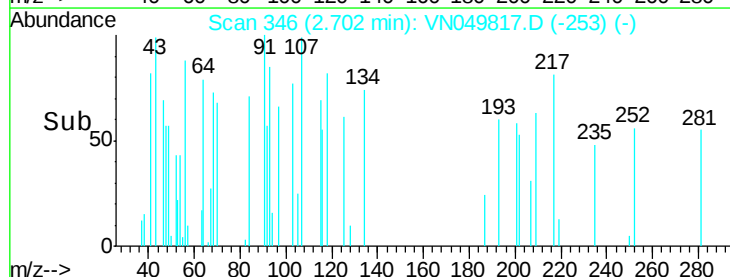
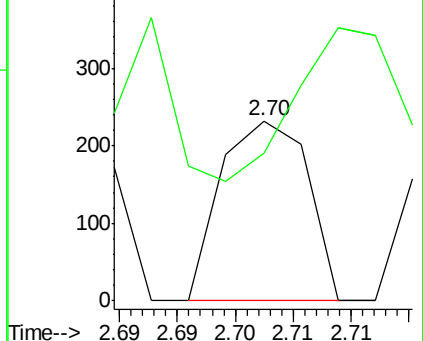
64 100

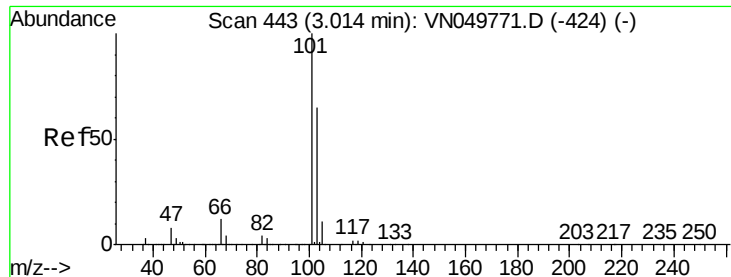
66 6.9 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



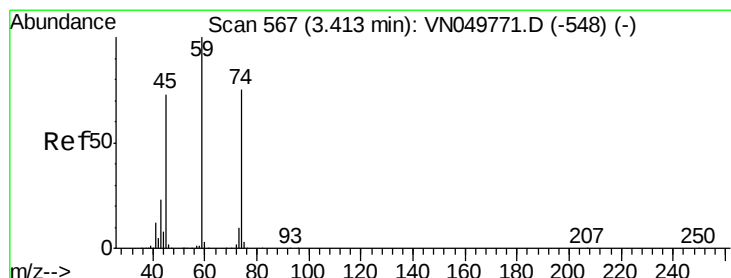
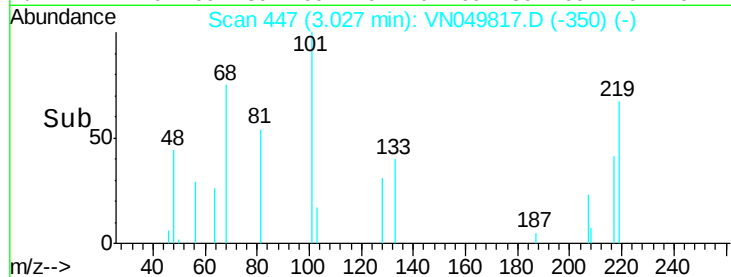
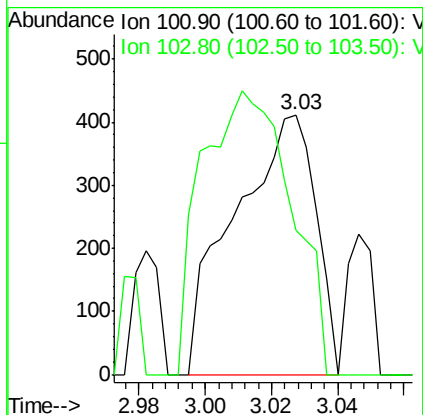
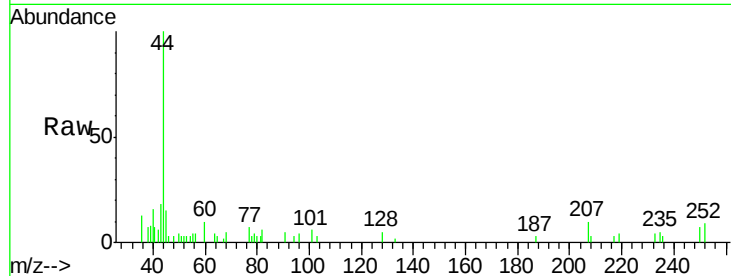


#7

Trichlorofluoromethane
Concen: 0.03 ug/l
RT: 3.03 min Scan# 447
Delta R.T. 0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

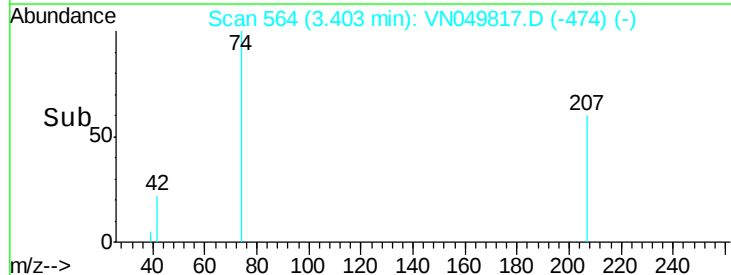
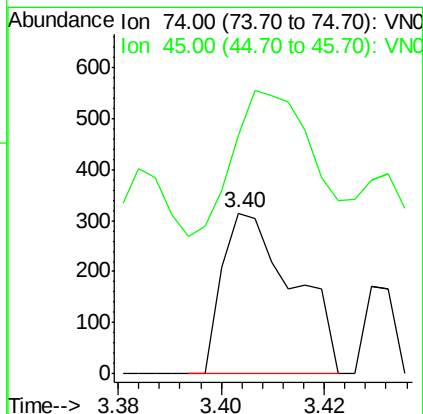
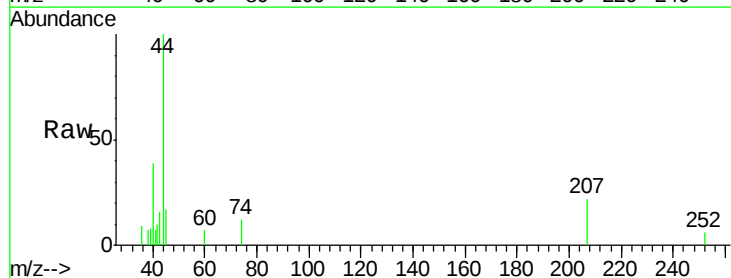
Tot Ion:101 Resp: 704
Ion Ratio Lower Upper
101 100
103 55.3 52.8 79.2

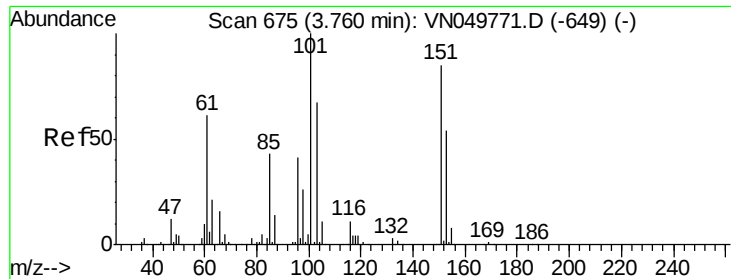


#8

Diethyl Ether
Concen: 0.04 ug/l
RT: 3.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 74 Resp: 299
Ion Ratio Lower Upper
74 100
45 98.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.04 ug/l

RT: 3.76 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

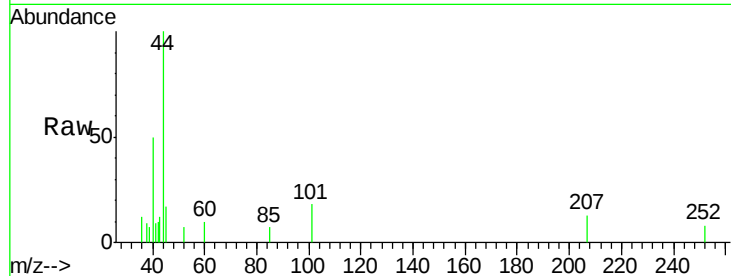
Tot Ion:101 Resp: 540

Ion Ratio Lower Upper

101 100

85 18.3 34.4 51.6#

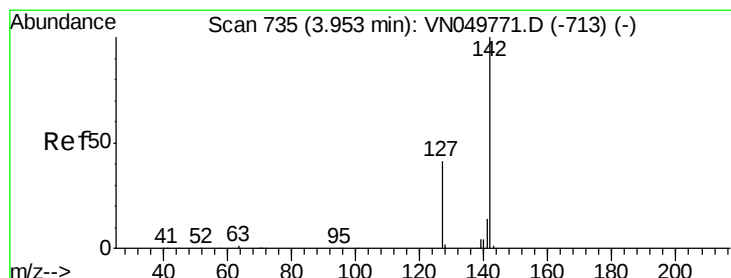
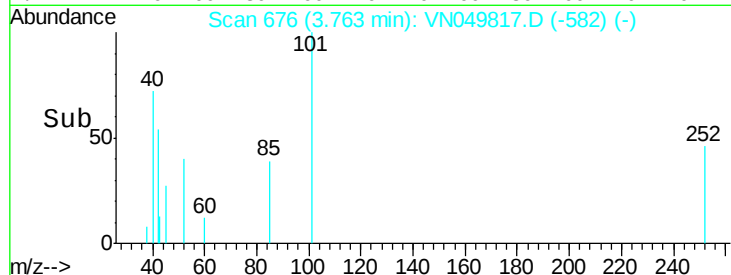
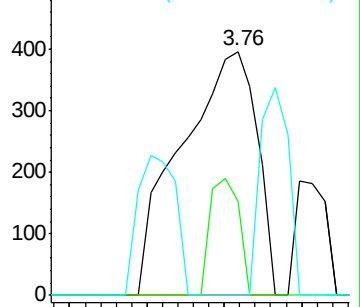
151 0.0 66.2 99.4#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.10 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

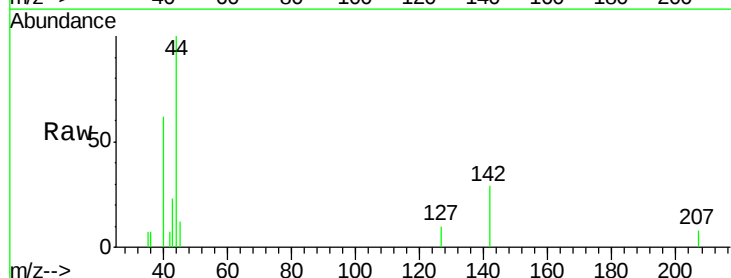
Tgt Ion:142 Resp: 1874

Ion Ratio Lower Upper

142 100

127 31.5 32.5 48.7#

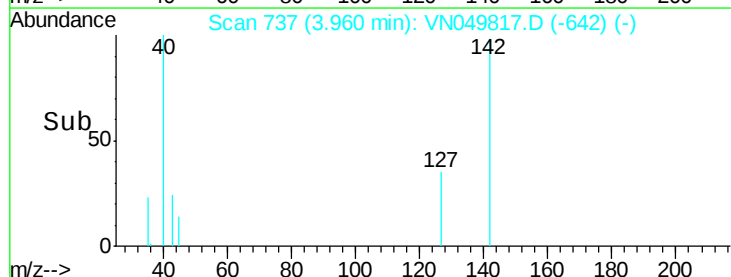
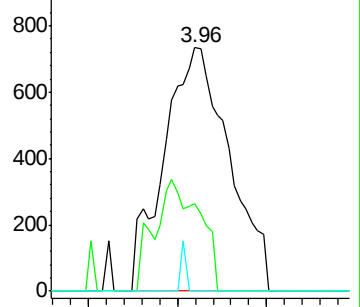
141 1.5 11.1 16.7#

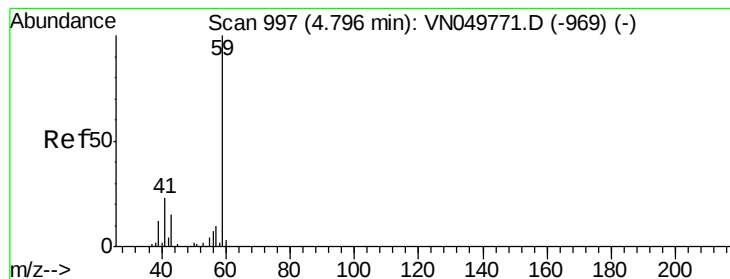


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



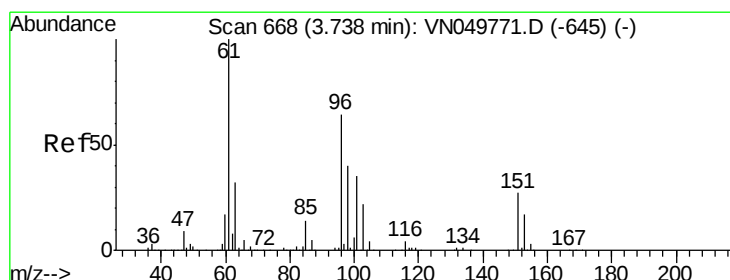
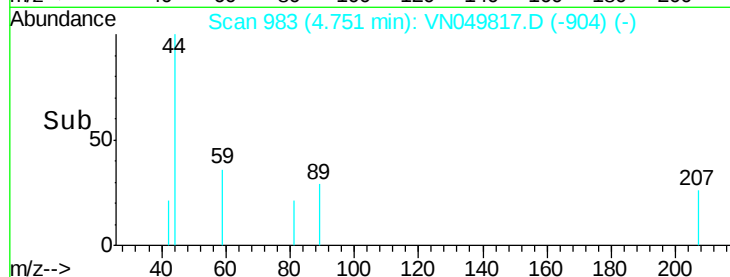
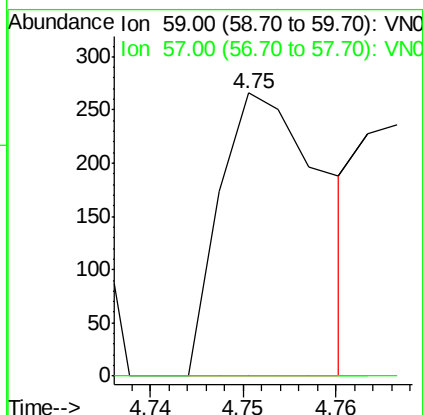
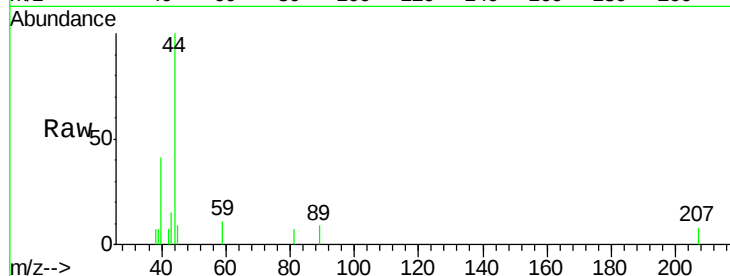


#11

Tert butyl alcohol
Concen: 0.23 ug/l
RT: 4.75 min Scan# 983
Delta R.T. -0.05 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

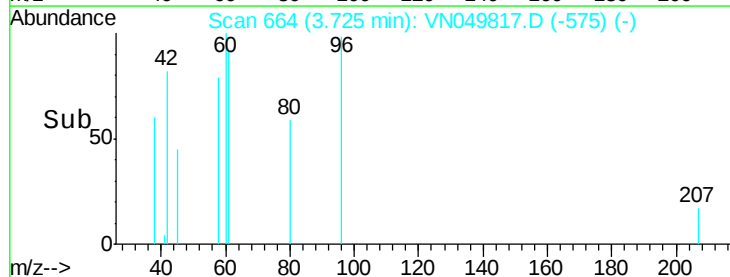
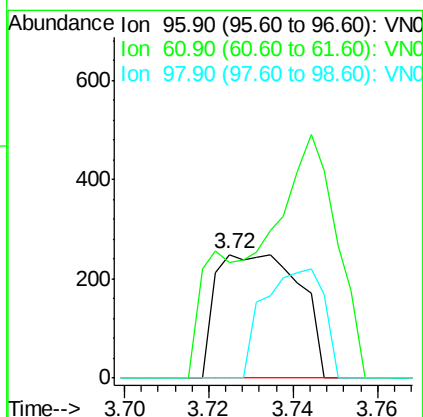
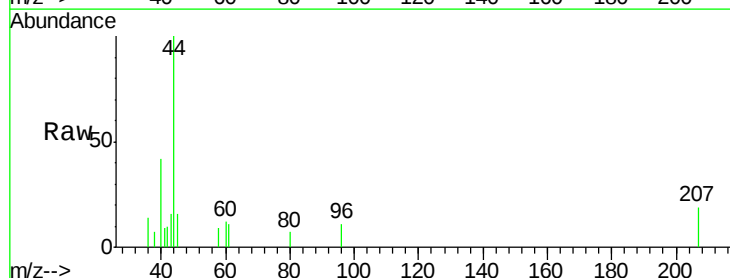
Tot Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

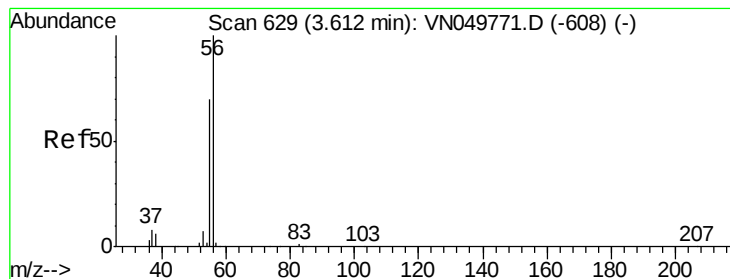


#12

1,1-Dichloroethene
Concen: 0.03 ug/l
RT: 3.72 min Scan# 664
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 96 Resp: 342
Ion Ratio Lower Upper
96 100
61 93.2 126.5 189.7#
98 0.0 51.0 76.6#





#13

Acrolein

Concen: 0.52 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

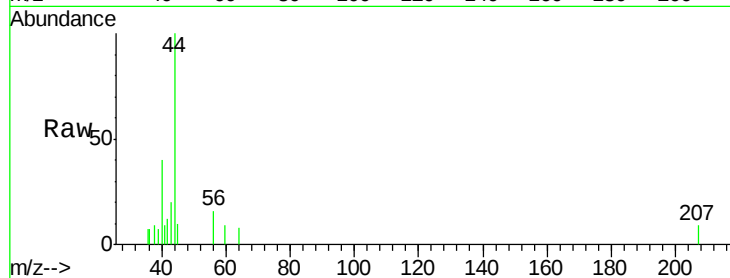
PB111069ZHE#14

Tot Ion: 56 Resp: 413

Ion Ratio Lower Upper

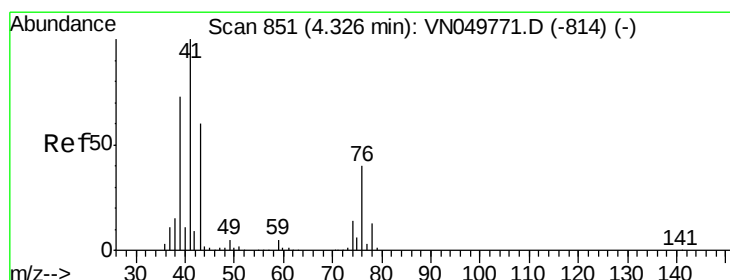
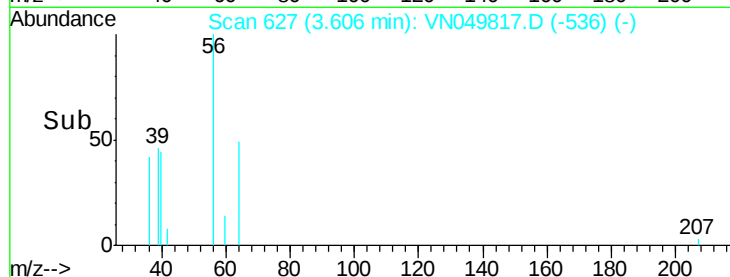
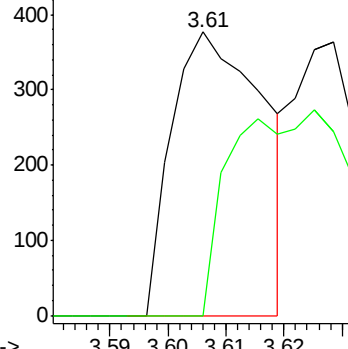
56 100

55 43.6 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.05 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

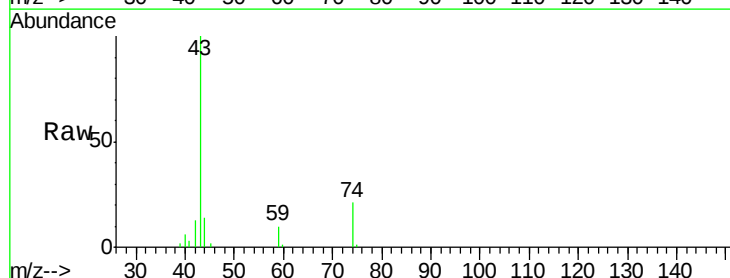
Tgt Ion: 41 Resp: 963

Ion Ratio Lower Upper

41 100

39 42.5 53.2 79.8#

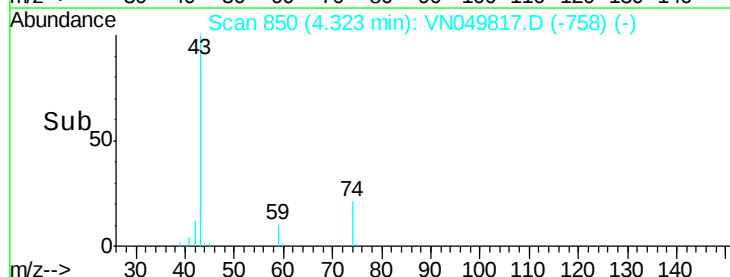
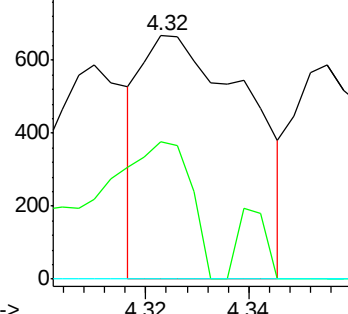
76 0.0 29.0 43.6#

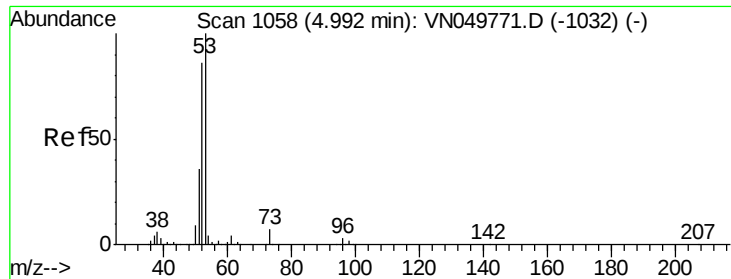


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.08 ug/l

RT: 5.00 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

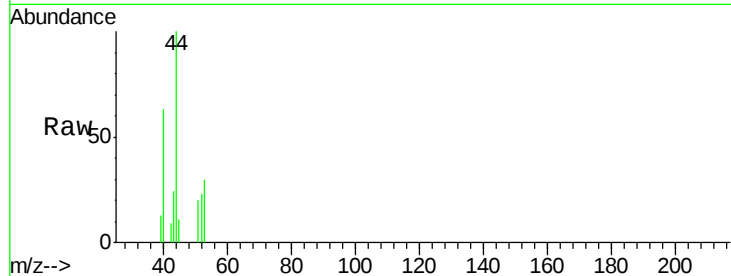
Tot Ion: 53 Resp: 347

Ion Ratio Lower Upper

53 100

52 150.7 64.8 97.2#

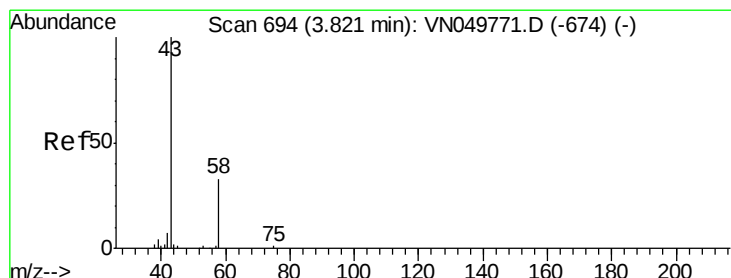
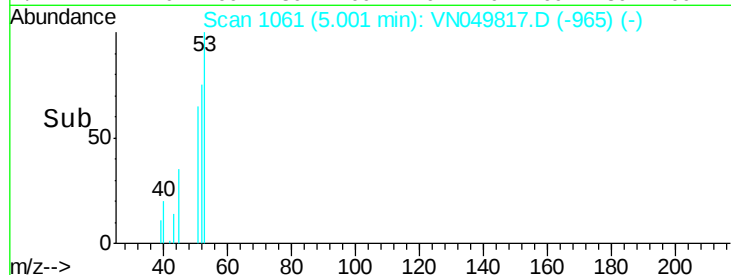
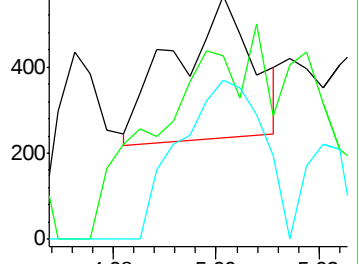
51 119.6 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN049817.D (-1061) (-)

Ion 52.00 (51.70 to 52.70): VN049817.D (-1061) (-)

Ion 51.00 (50.70 to 51.70): VN049817.D (-1061) (-)



#16

Acetone

Concen: 6.82 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049817.D

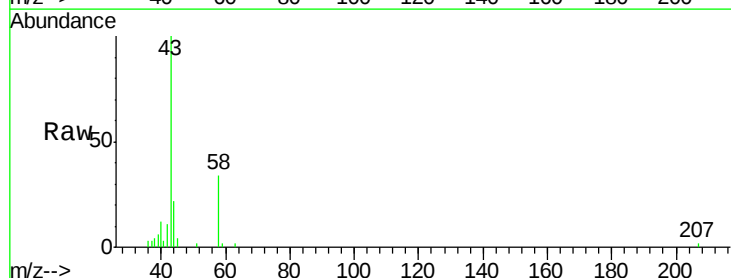
Acq: 14 Jul 2018 00:47

Tgt Ion: 43 Resp: 29593

Ion Ratio Lower Upper

43 100

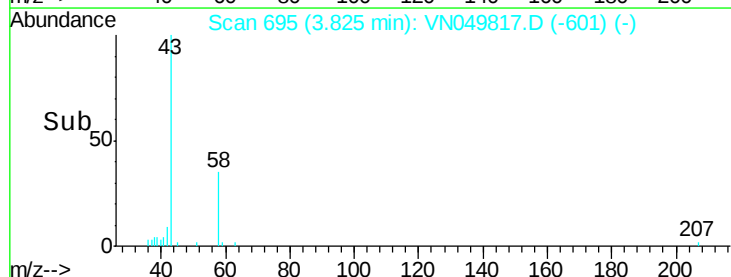
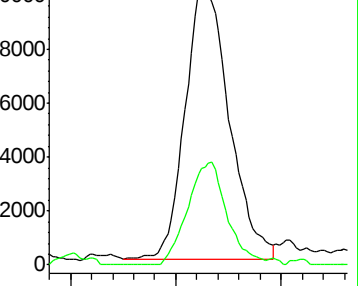
58 34.9 25.9 38.9

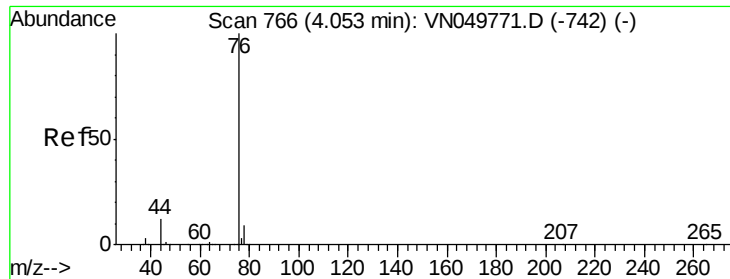


Abundance Ion 43.00 (42.70 to 43.70): VN049817.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049817.D (-601) (-)

Ion 207.00 (206.70 to 207.70): VN049817.D (-601) (-)





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

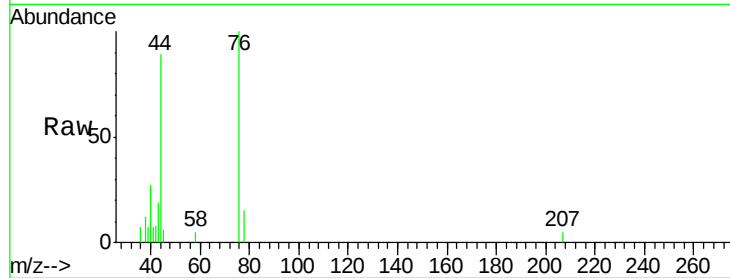
PB111069ZHE#14

Tot Ion: 76 Resp: 8331

Ion Ratio Lower Upper

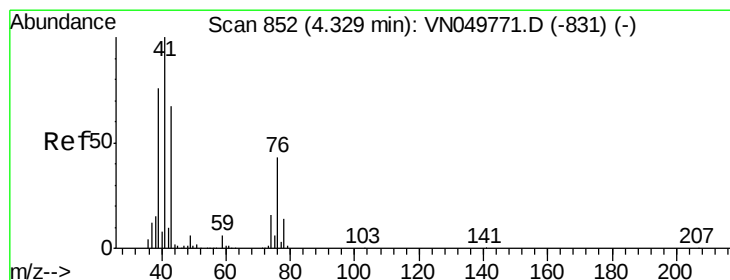
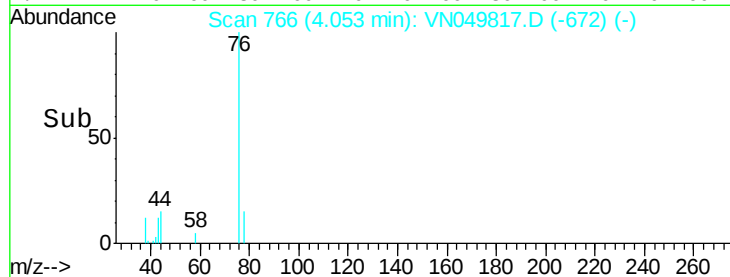
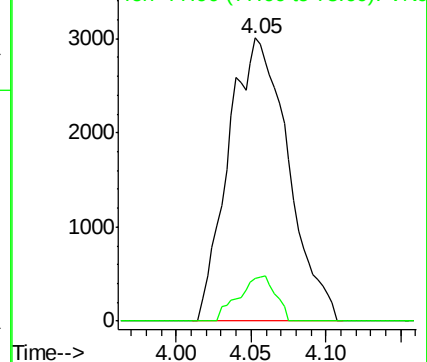
76 100

78 15.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049817.D (-672) (-)

Ion 77.90 (77.60 to 78.60): VN049817.D (-672) (-)



#18

Methyl Acetate

Concen: 5.35 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049817.D

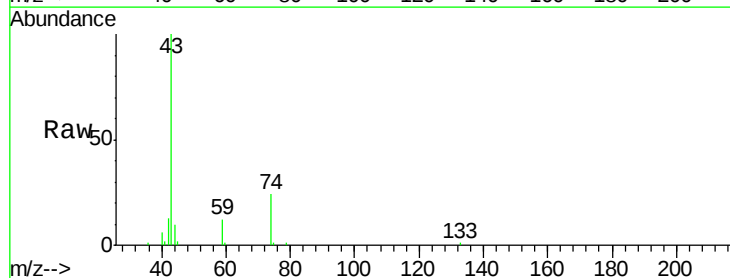
Acq: 14 Jul 2018 00:47

Tgt Ion: 43 Resp: 68311

Ion Ratio Lower Upper

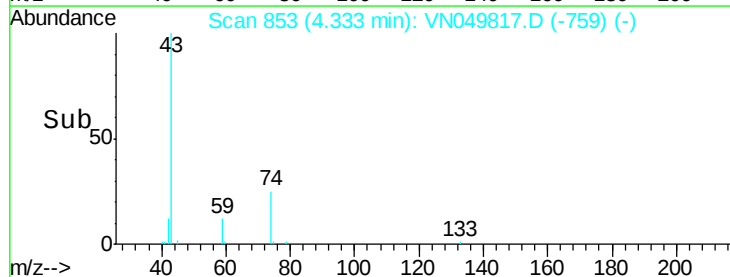
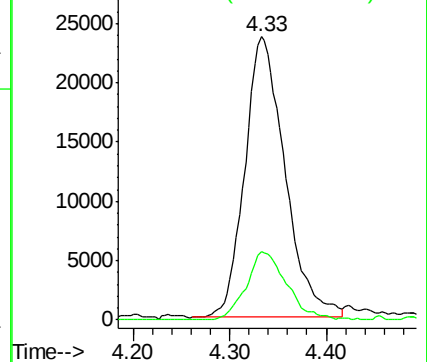
43 100

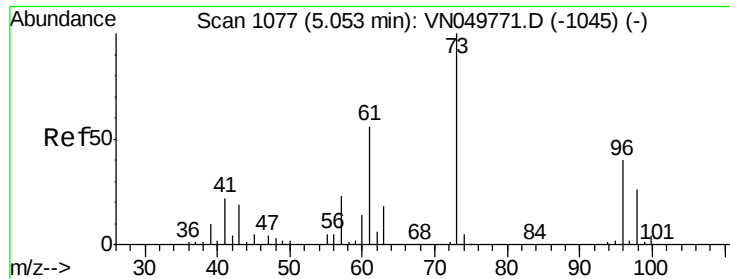
74 24.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049817.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049817.D (-759) (-)

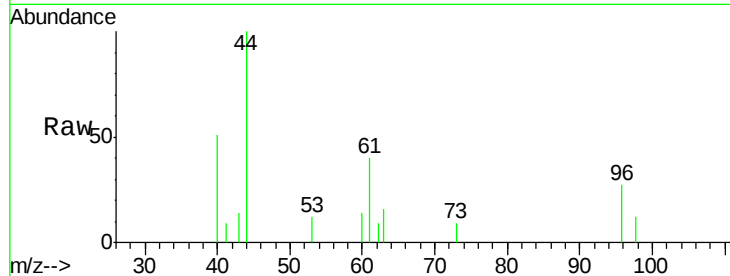




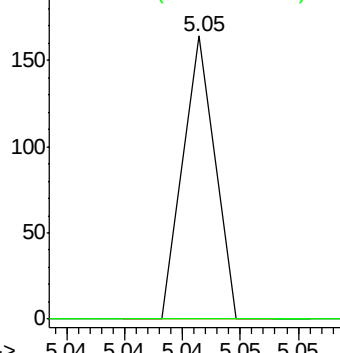
#19
Methyl tert-butyl Ether
Concen: 0.00 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

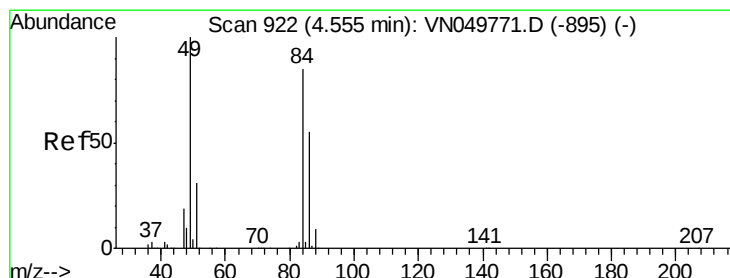
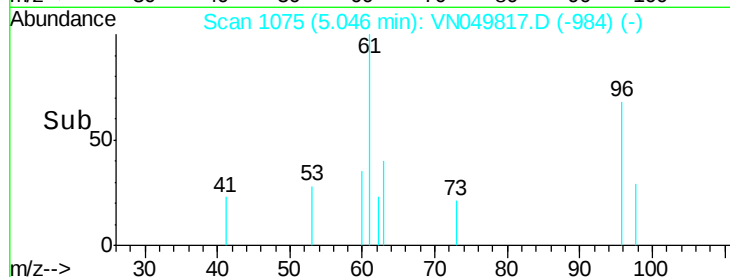
Tot Ion: 73 Resp: 32
Ion Ratio Lower Upper
73 100
57 0.0 18.1 27.1#



Abundance Ion 73.00 (72.70 to 73.70): VN049771.D (-1045) (-)
Ion 57.00 (56.70 to 57.70): VN049771.D (-1045) (-)

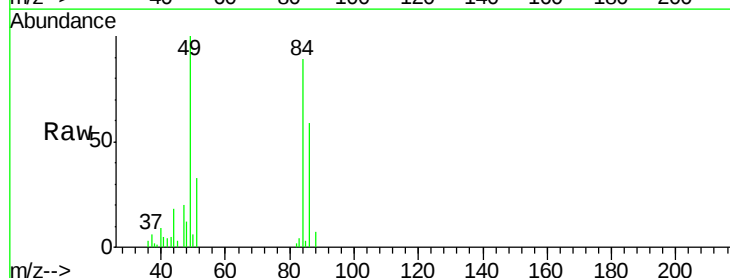


Time-->

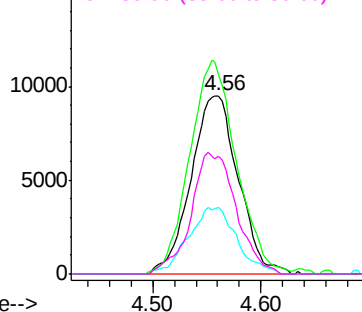


#20
Methylene Chloride
Concen: 1.18 ug/l
RT: 4.56 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

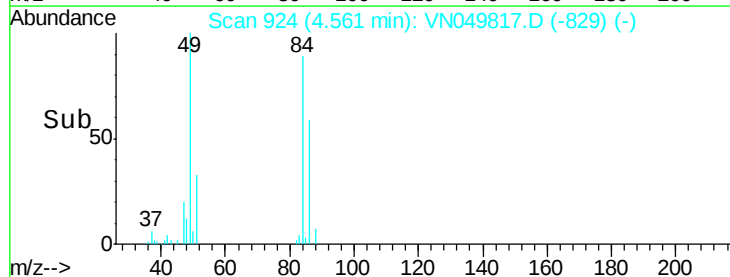
Tgt Ion: 84 Resp: 28966
Ion Ratio Lower Upper
84 100
49 112.2 95.4 143.2
51 37.3 28.4 42.6
86 65.7 52.6 79.0

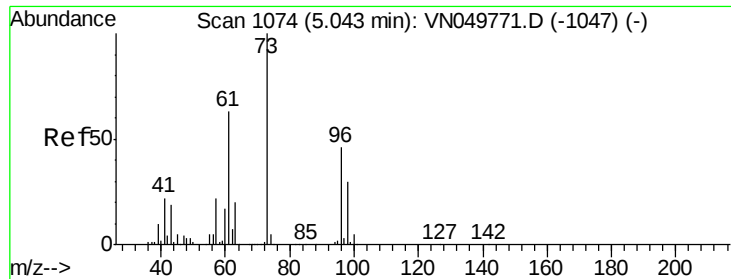


Abundance Ion 83.90 (83.60 to 84.60): VN049771.D (-895) (-)
Ion 48.90 (48.60 to 49.60): VN049771.D (-895) (-)
Ion 50.90 (50.60 to 51.60): VN049771.D (-895) (-)
Ion 85.90 (85.60 to 86.60): VN049771.D (-895) (-)



Time-->

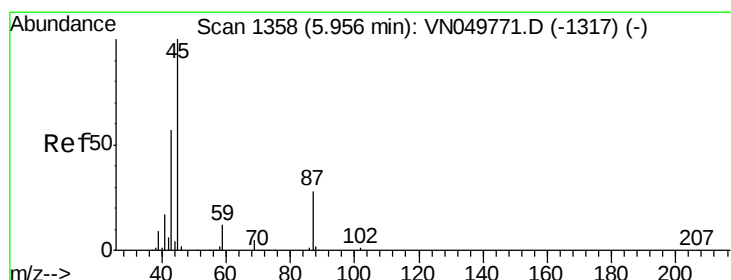
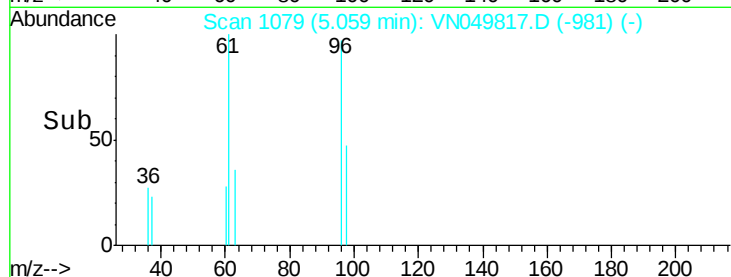
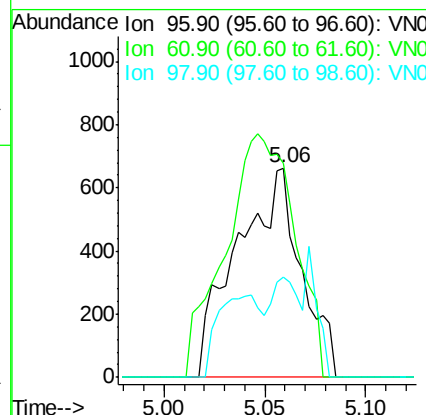
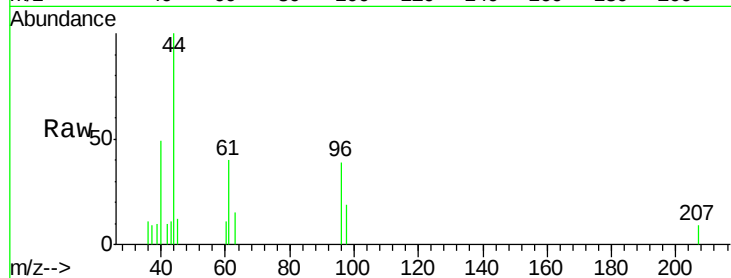




#21
trans-1,2-Dichloroethene
Concen: 0.11 ug/l
RT: 5.06 min Scan# 1079
Delta R.T. 0.02 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

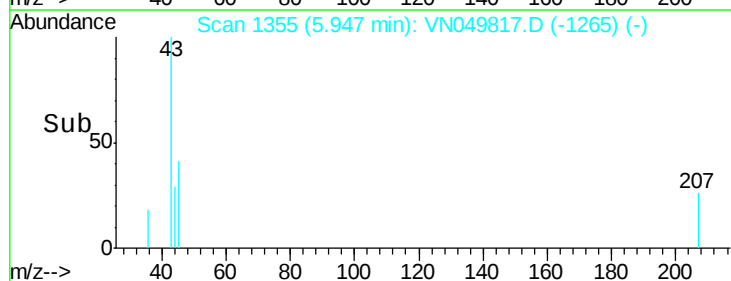
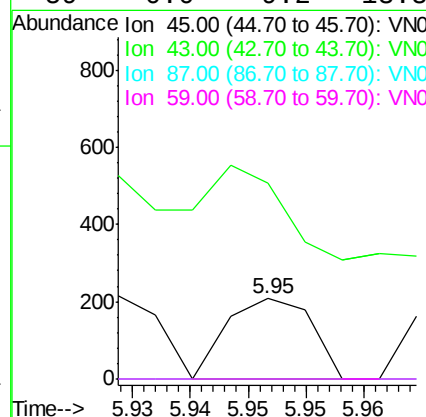
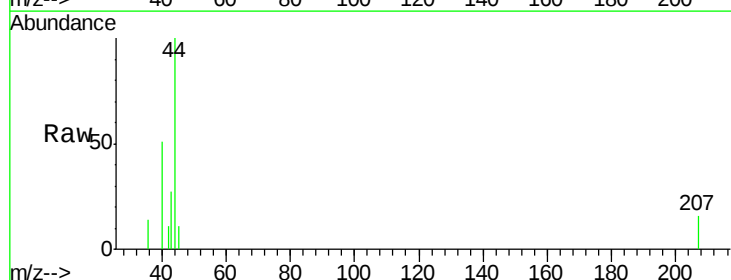
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

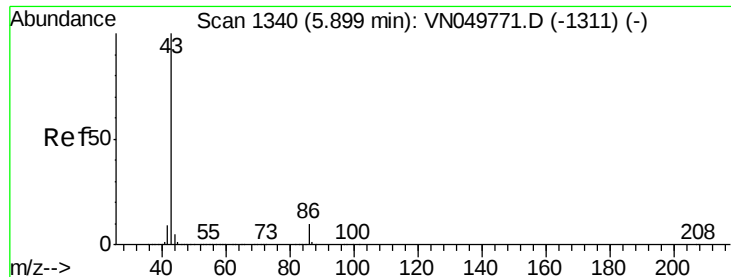
Tot Ion: 96 Resp: 1459
Ion Ratio Lower Upper
96 100
61 102.7 109.0 163.6#
98 48.2 51.1 76.7#



#22
Diisopropyl ether
Concen: 0.00 ug/l
RT: 5.95 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 45 Resp: 106
Ion Ratio Lower Upper
45 100
43 97.1 48.1 72.1#
87 0.0 22.6 34.0#
59 0.0 9.2 13.8#





#23

Vinyl Acetate

Concen: 0.02 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

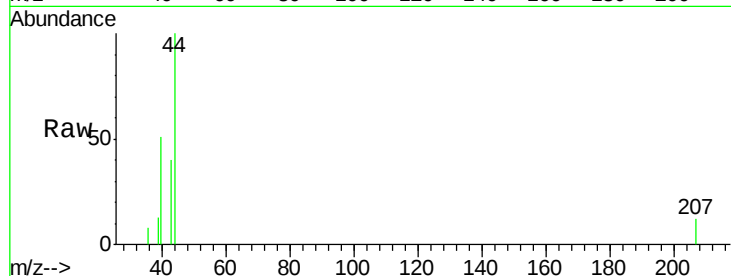
PB111069ZHE#14

Tot Ion: 43 Resp: 591

Ion Ratio Lower Upper

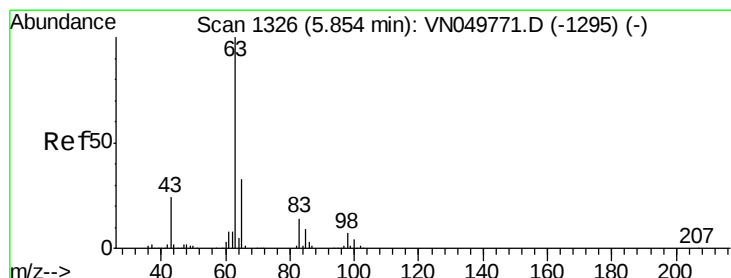
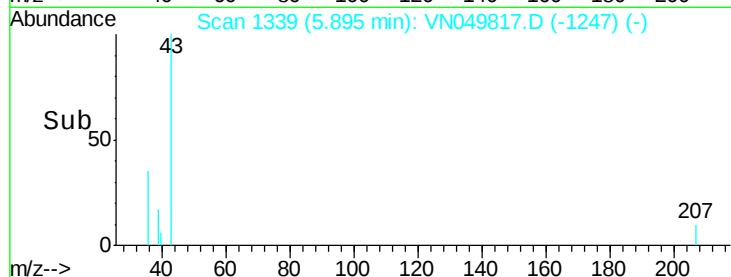
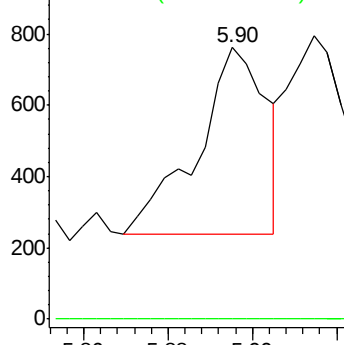
43 100

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



#24

1,1-Dichloroethane

Concen: 0.01 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

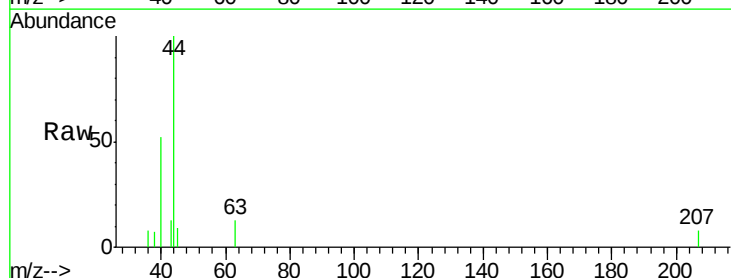
Tgt Ion: 63 Resp: 357

Ion Ratio Lower Upper

63 100

98 0.0 3.4 10.2#

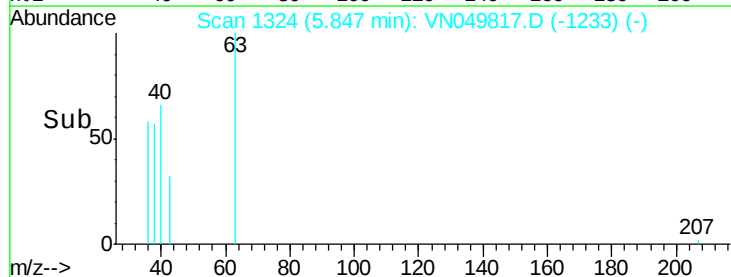
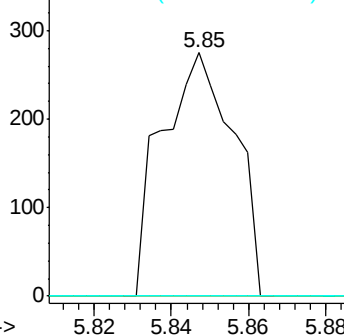
100 0.0 2.2 6.6#

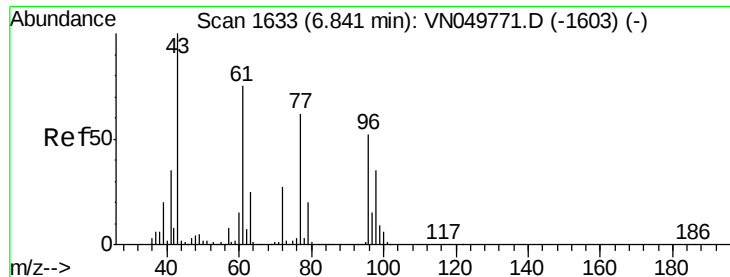


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 1.34 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

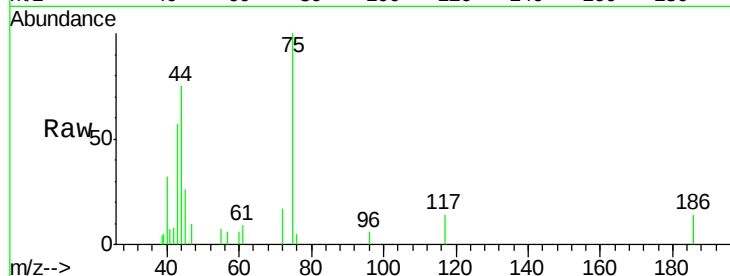
PB111069ZHE#14

Tot Ion: 43 Resp: 7084

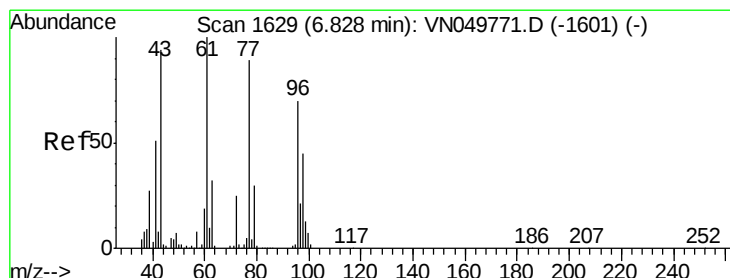
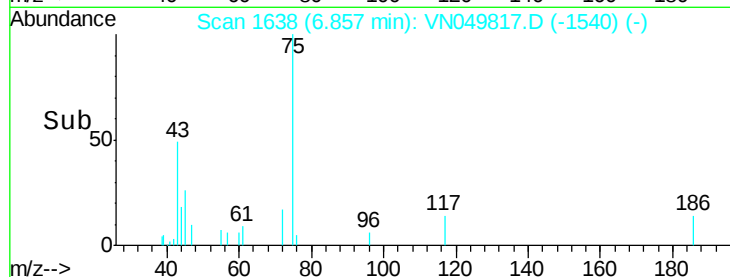
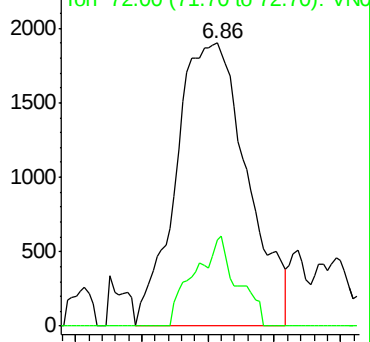
Ion Ratio Lower Upper

43 100

72 30.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN049817.D (-1540) (-)



#26

2,2-Dichloropropane

Concen: 0.04 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.01 min

Lab File: VN049817.D

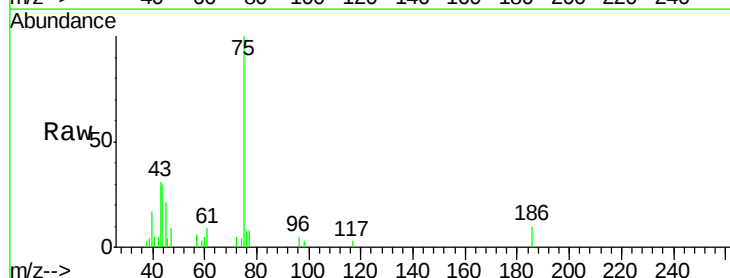
Acq: 14 Jul 2018 00:47

Tgt Ion: 77 Resp: 841

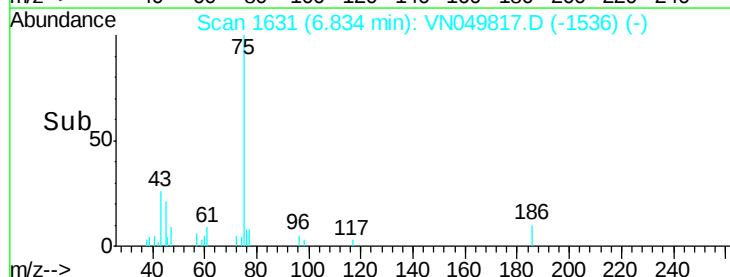
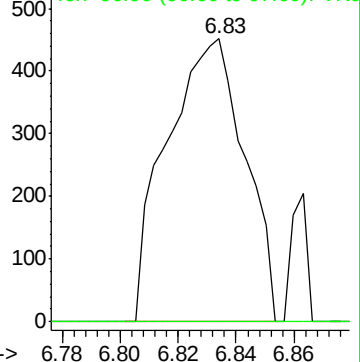
Ion Ratio Lower Upper

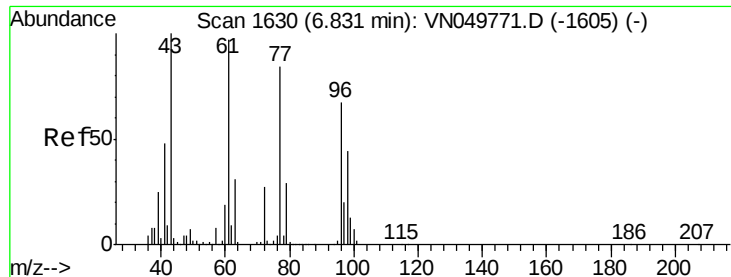
77 100

97 0.0 11.9 35.5#



Abundance Ion 76.90 (76.60 to 77.60): VN049817.D (-1536) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.04 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

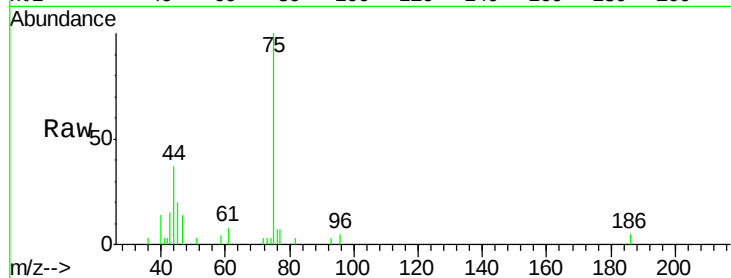
Tot Ion: 96 Resp: 571

Ion Ratio Lower Upper

96 100

61 246.6 0.0 289.0

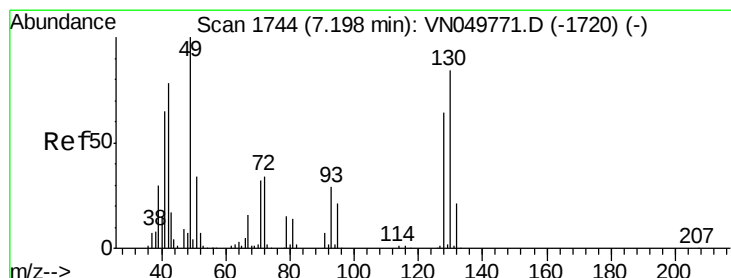
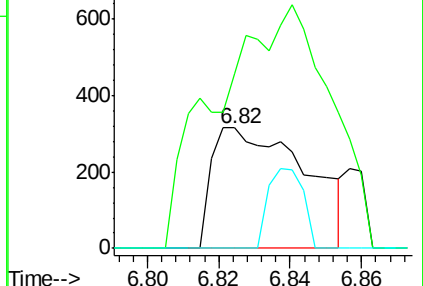
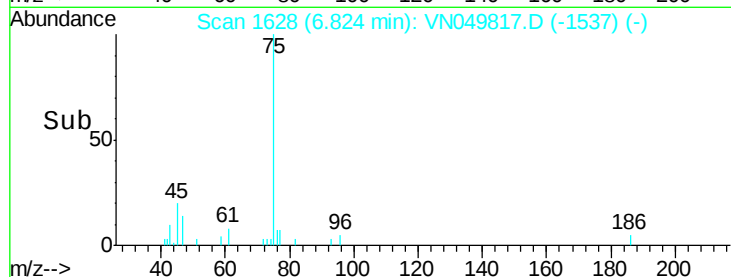
98 24.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.03 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

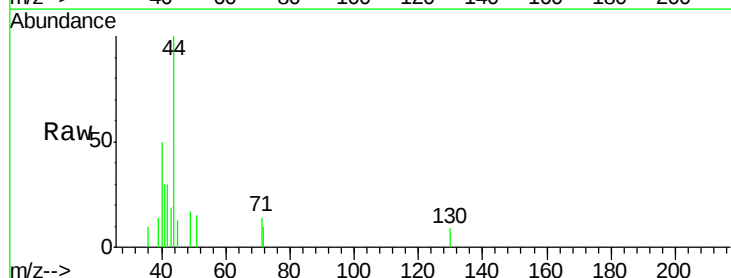
Tgt Ion: 49 Resp: 329

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

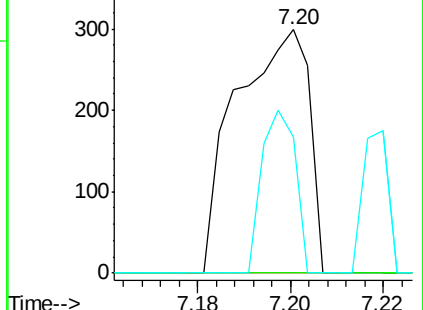
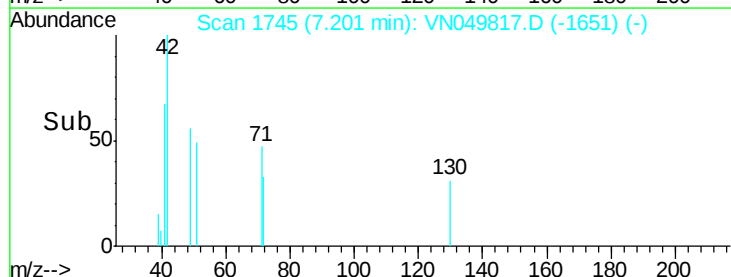
130 31.0 65.5 98.3#

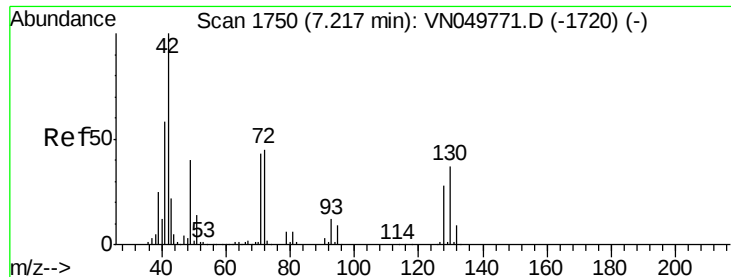


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

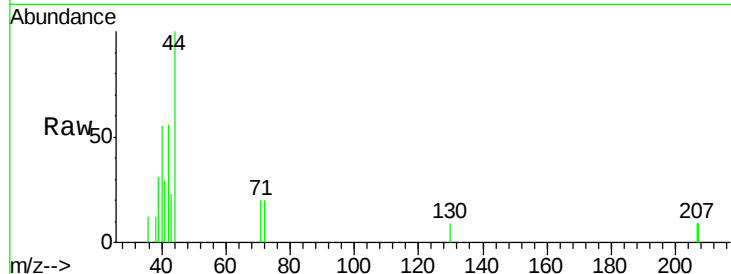




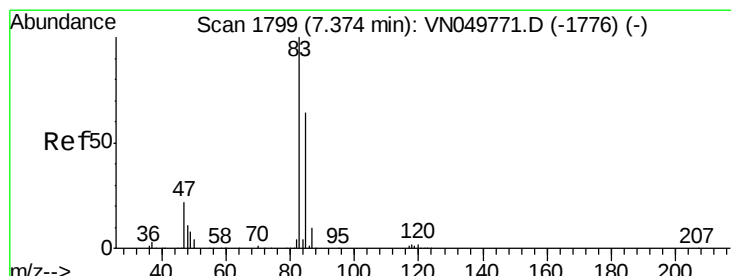
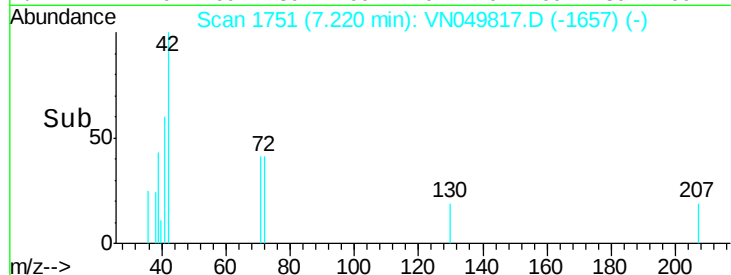
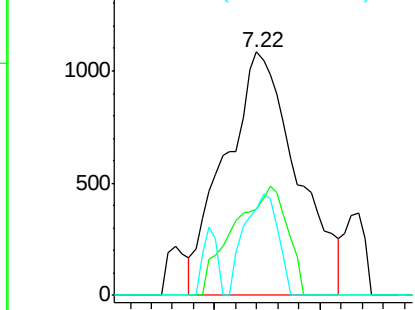
#29
Tetrahydrofuran
Concen: 0.77 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

Tot Ion: 42 Resp: 2558
Ion Ratio Lower Upper
42 100
72 33.6 35.6 53.4#
71 19.6 34.0 51.0#

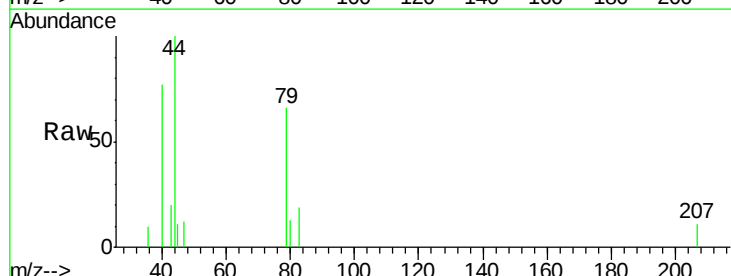


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

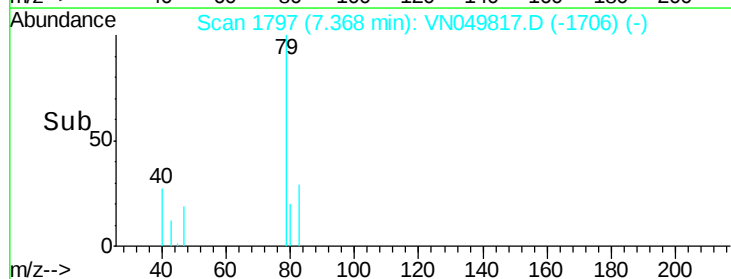
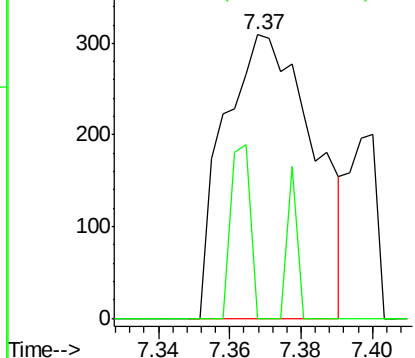


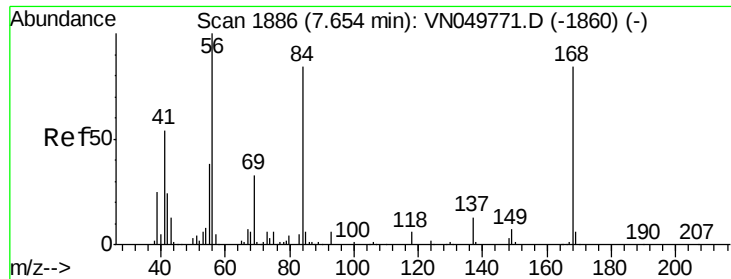
#30
Chloroform
Concen: 0.02 ug/l
RT: 7.37 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 83 Resp: 537
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

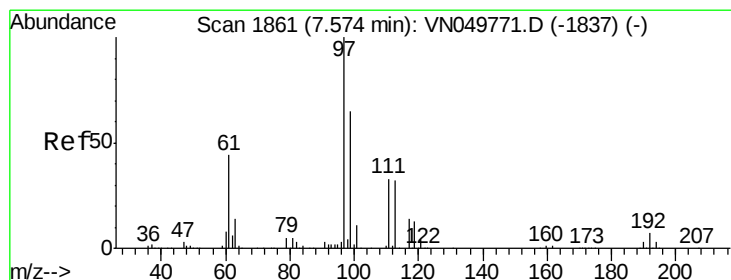
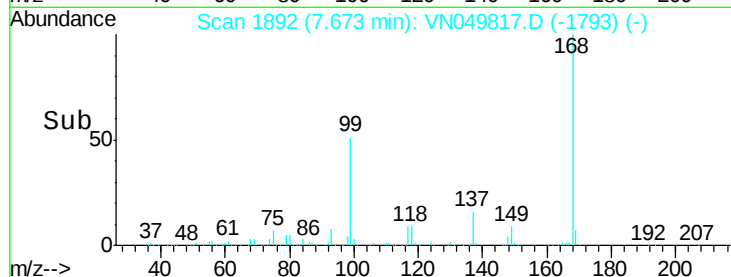
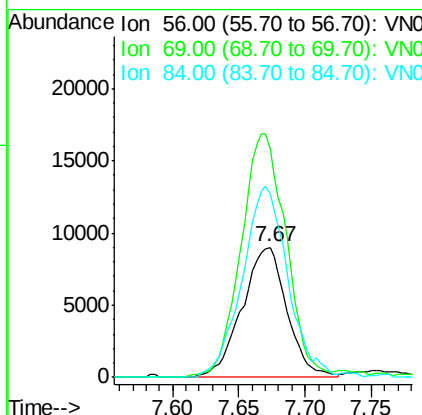
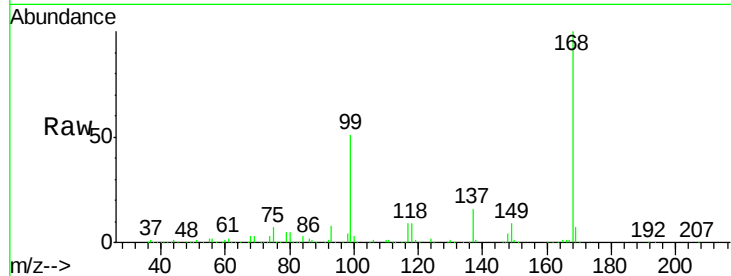




#31
Cyclohexane
Concen: 0.76 ug/l
RT: 7.67 min Scan# 1892
Delta R.T. 0.02 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

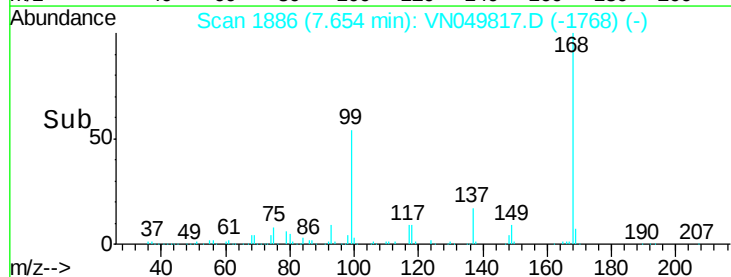
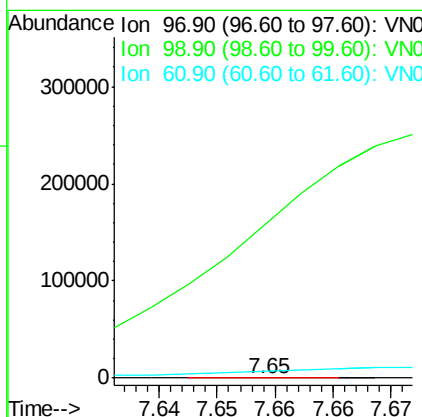
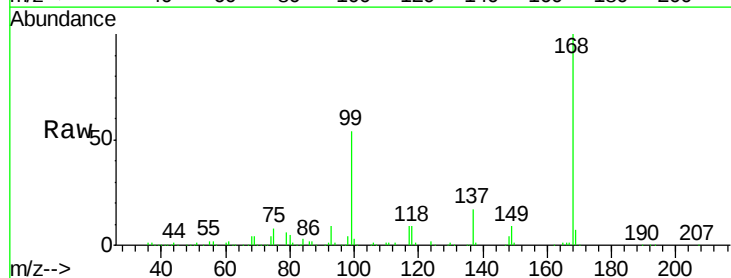
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

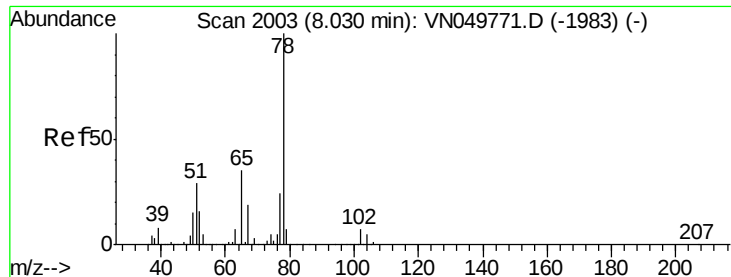
Tot Ion: 56 Resp: 21327
Ion Ratio Lower Upper
56 100
69 174.2 26.6 40.0#
84 141.6 69.0 103.6#



#32
1,1,1-Trichloroethane
Concen: 0.00 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.08 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 97 Resp: 30
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 0.0 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 58.38 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

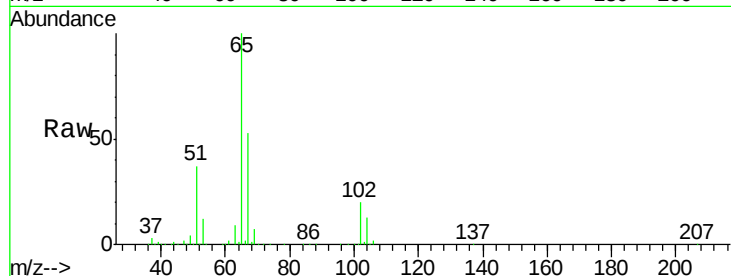
PB111069ZHE#14

Tot Ion: 65 Resp: 794071

Ion Ratio Lower Upper

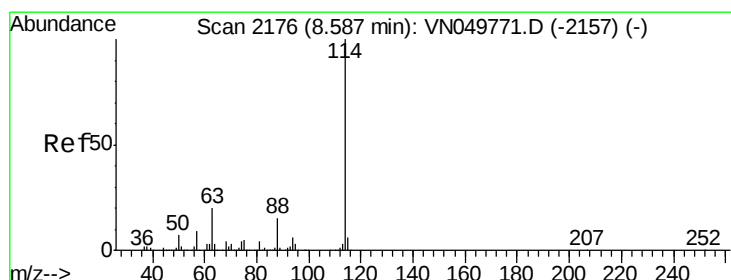
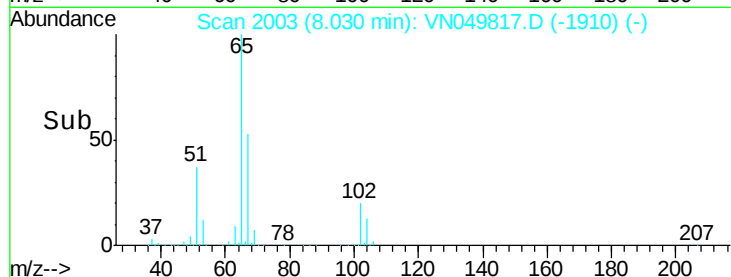
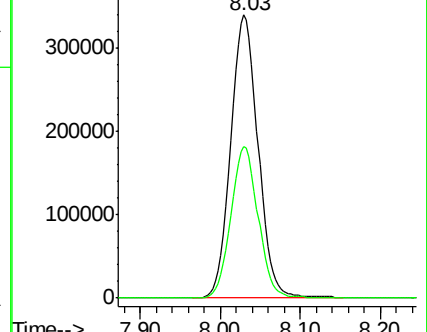
65 100

67 52.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049817.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN049817.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: VN049817.D

Acq: 14 Jul 2018 00:47

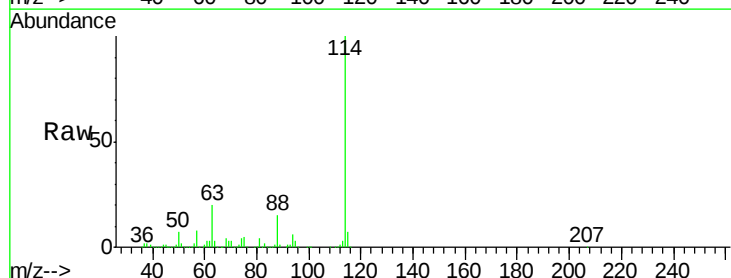
Tgt Ion: 114 Resp: 1868103

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

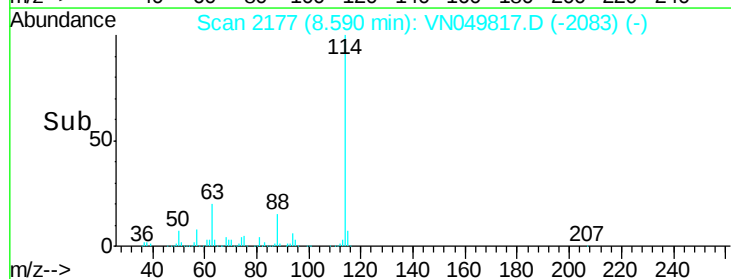
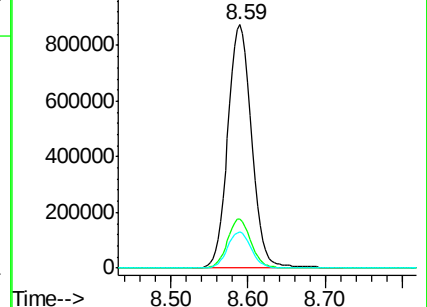
88 14.9 0.0 30.6

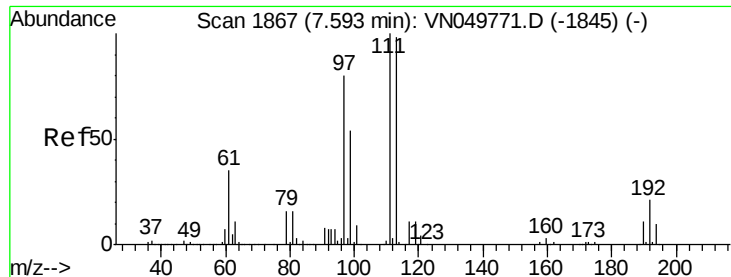


Abundance Ion 113.90 (113.60 to 114.60): VN049817.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049817.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049817.D (-2083) (-)

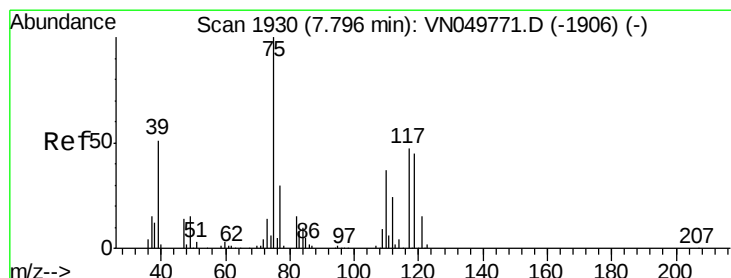
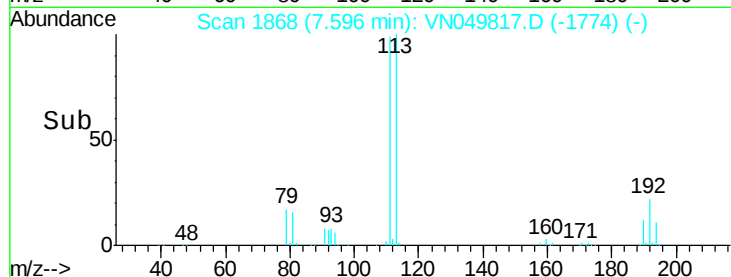
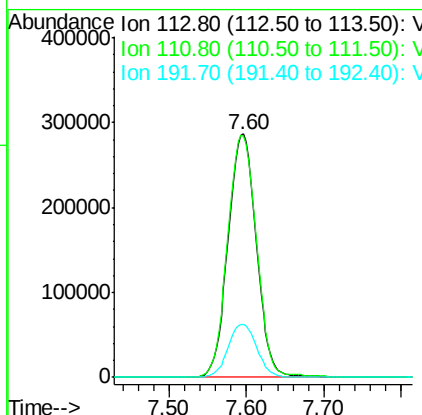
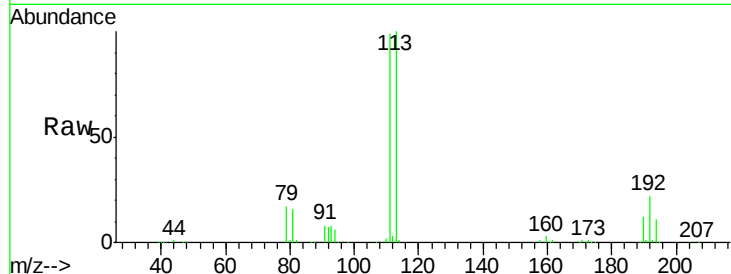




#35
 Dibromofluoromethane
 Concen: 51.54 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

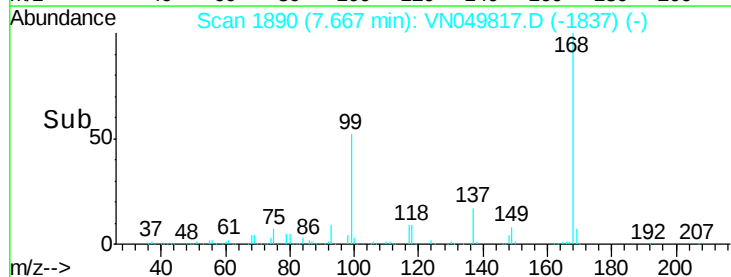
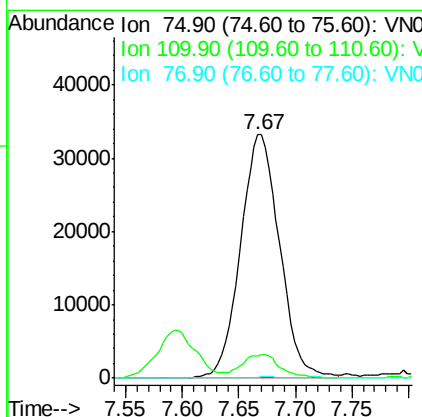
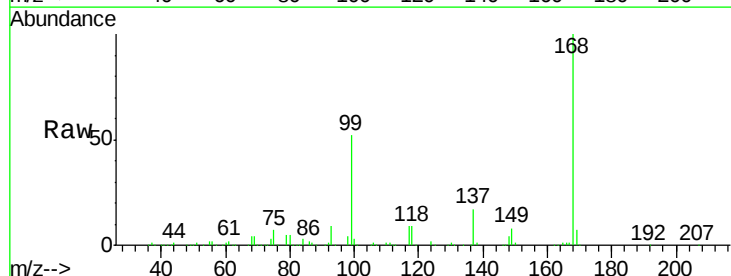
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

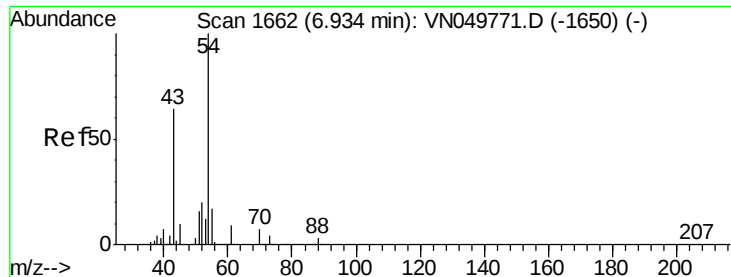
Tot Ion:113 Resp: 725823
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.8 122.8
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 75 Resp: 79792
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.2 24.9 37.3#

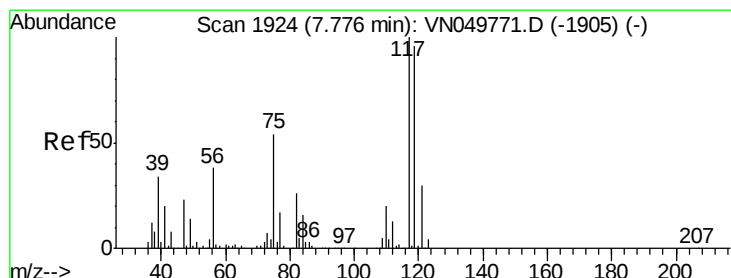
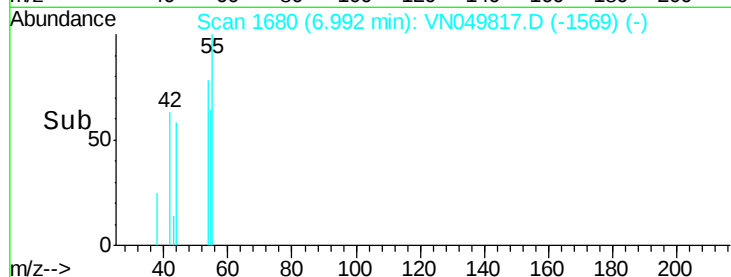
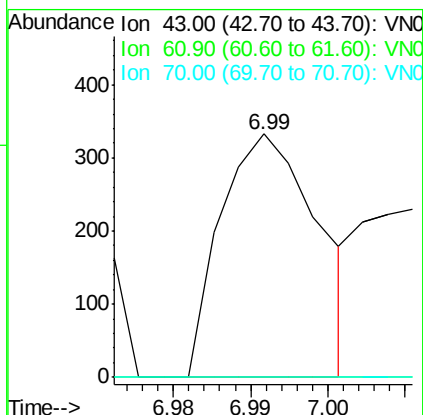
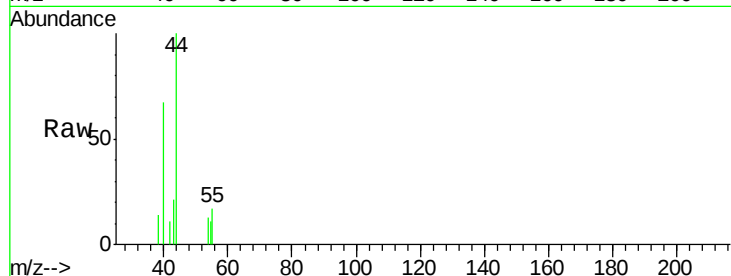




#37
Ethyl Acetate
Concen: 0.02 ug/l
RT: 6.99 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

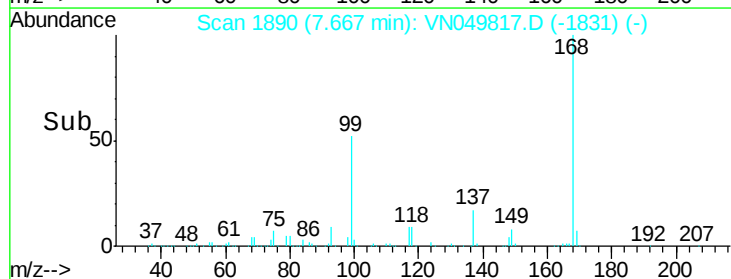
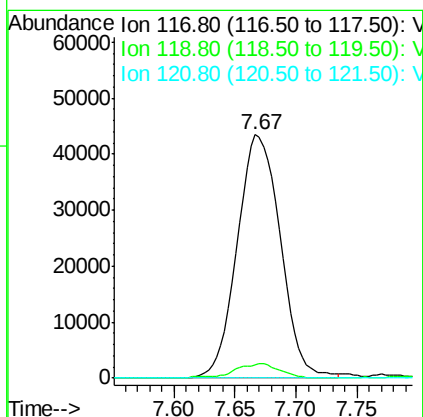
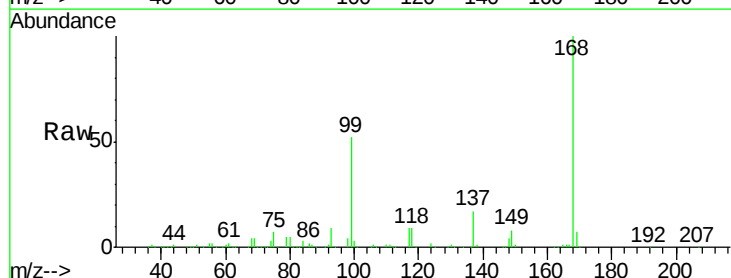
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

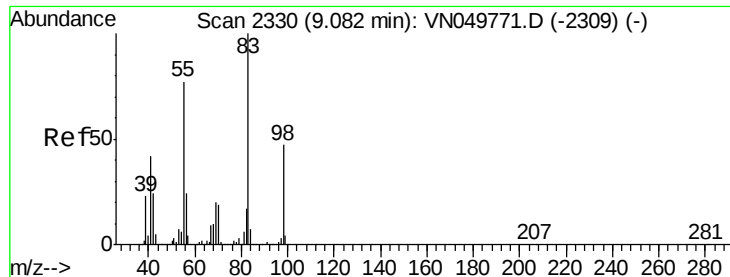
Tot Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 117 Resp: 106528
Ion Ratio Lower Upper
117 100
119 5.1 77.2 115.8#
121 0.0 25.0 37.6#

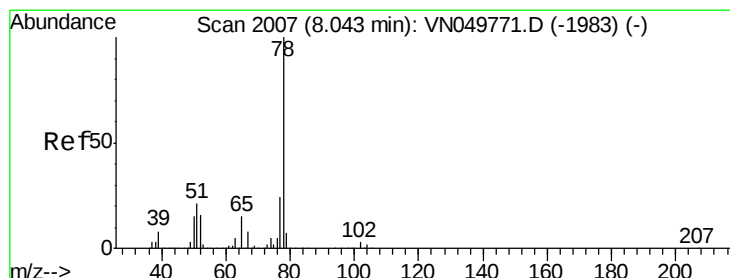
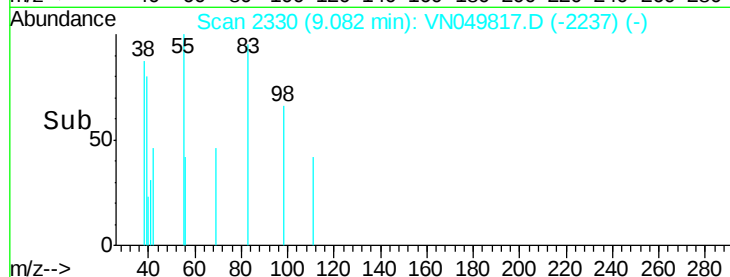
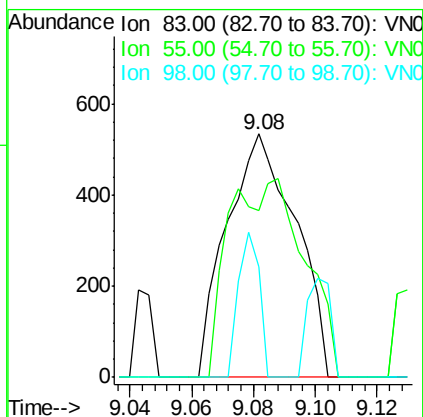
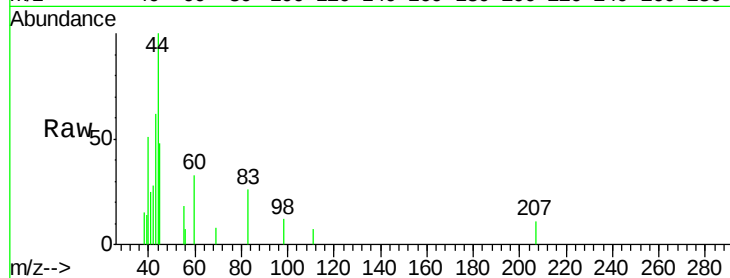




#39
Methvlcvclohexane
Concen: 0.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

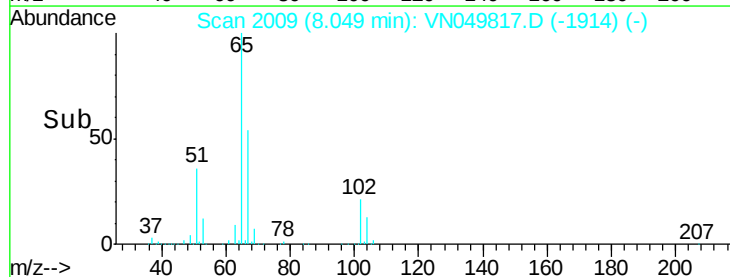
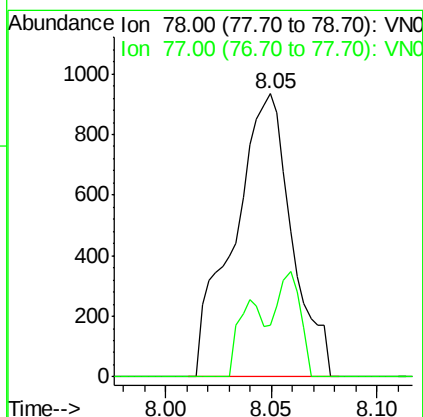
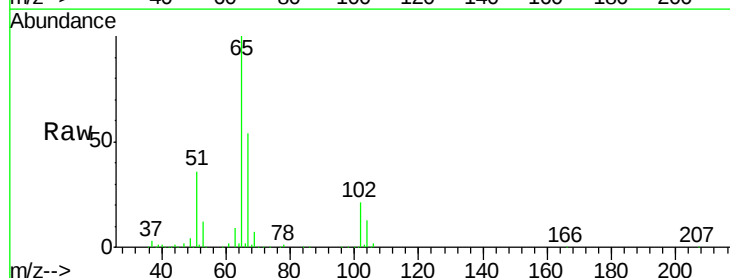
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

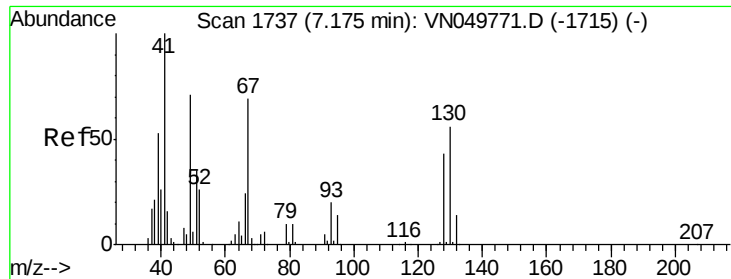
Tot Ion: 83 Resp: 827
Ion Ratio Lower Upper
83 100
55 68.5 59.7 89.5
98 45.5 36.5 54.7



#40
Benzene
Concen: 0.03 ug/l
RT: 8.05 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion: 78 Resp: 1792
Ion Ratio Lower Upper
78 100
77 18.4 19.0 28.4#

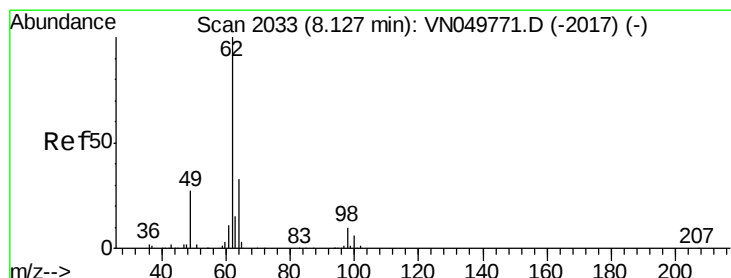
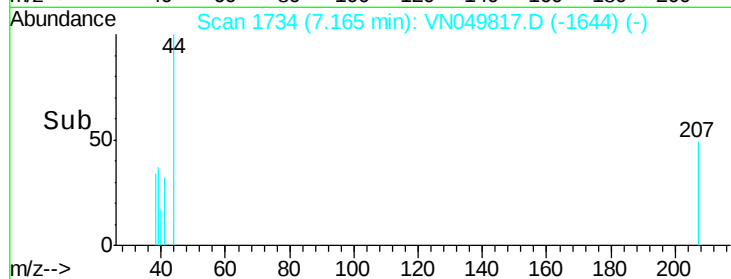
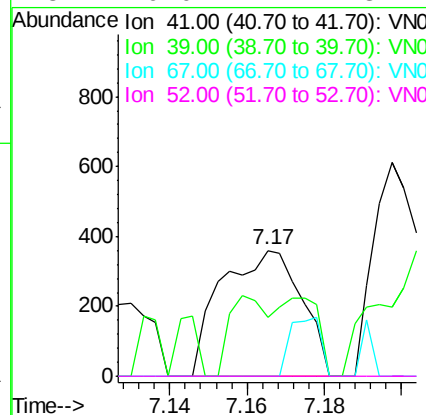
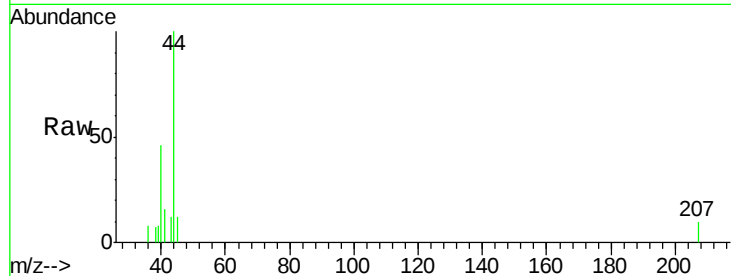




#41
Methacrylonitrile
Concen: 0.07 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

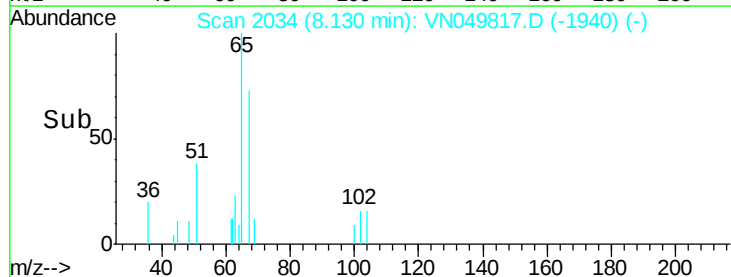
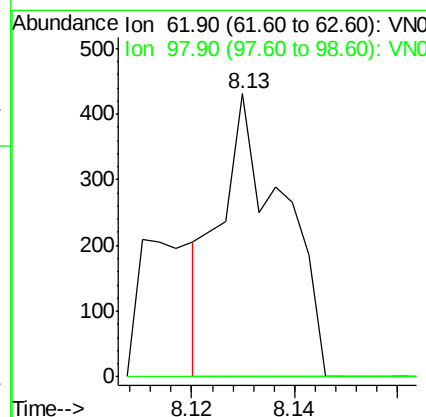
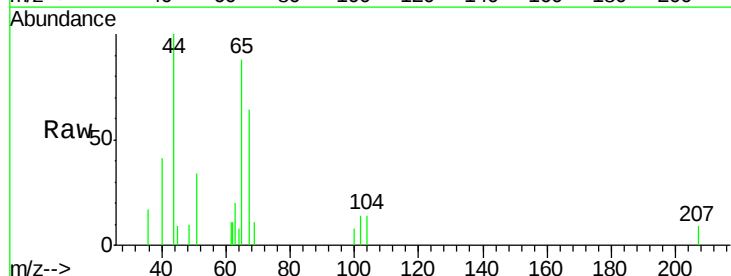
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

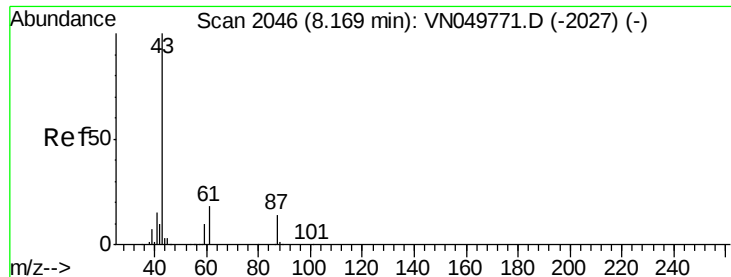
Tot Ion:	41	Resp:	520
Ion	Ratio	Lower	Upper
41	100		
39	29.6	45.4	68.2#
67	17.9	65.4	98.0#
52	0.0	24.7	37.1#



#42
1,2-Dichloroethane
Concen: 0.02 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion:	62	Resp:	362
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	19.0



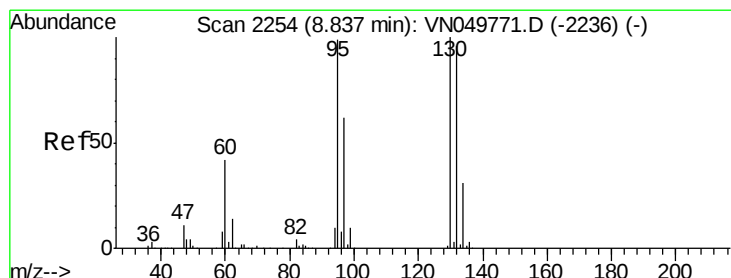
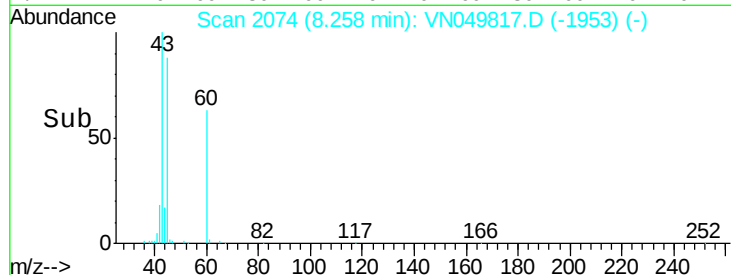
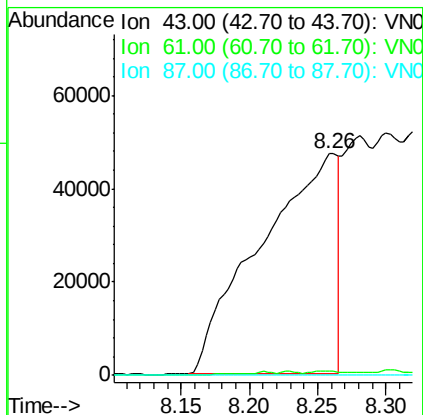
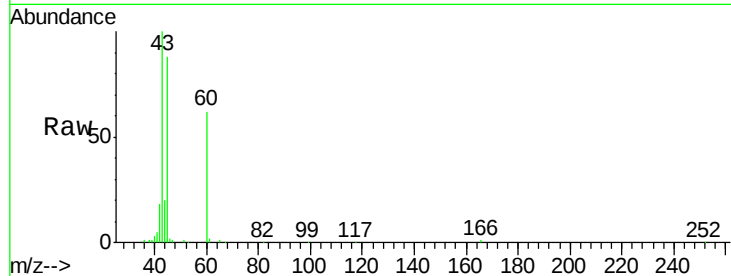


#43

Isopropyl Acetate
 Concen: 8.08 ug/l
 RT: 8.26 min Scan# 2074
 Delta R.T. 0.09 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

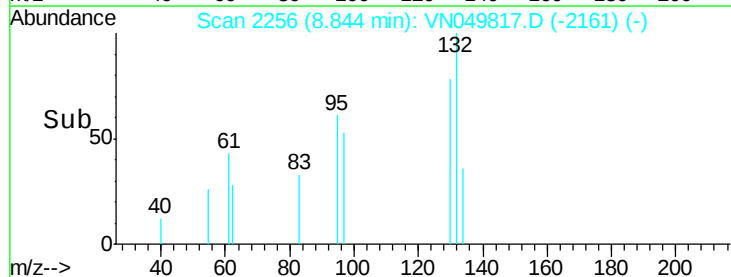
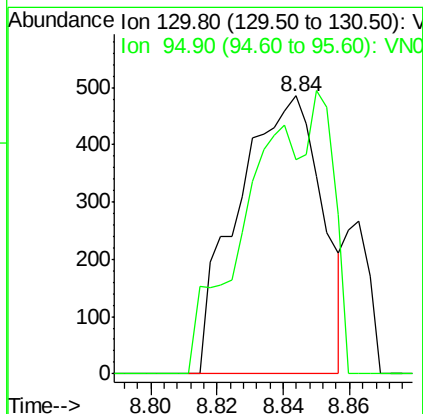
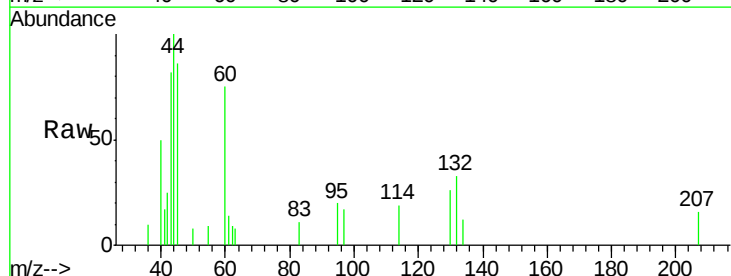
Tot Ion: 43 Resp: 184955
 Ion Ratio Lower Upper
 43 100
 61 0.3 14.9 22.3#
 87 0.0 10.0 15.0#

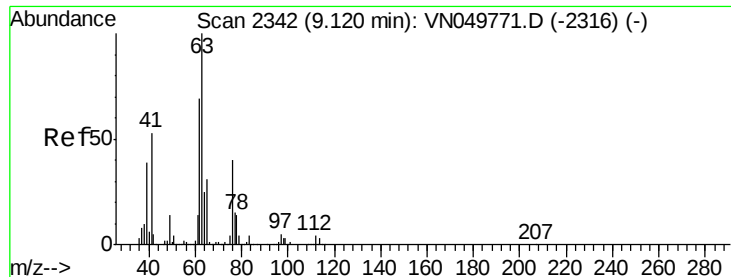


#44

Trichloroethene
 Concen: 0.05 ug/l
 RT: 8.84 min Scan# 2256
 Delta R.T. 0.01 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 130 Resp: 855
 Ion Ratio Lower Upper
 130 100
 95 77.3 0.0 192.8

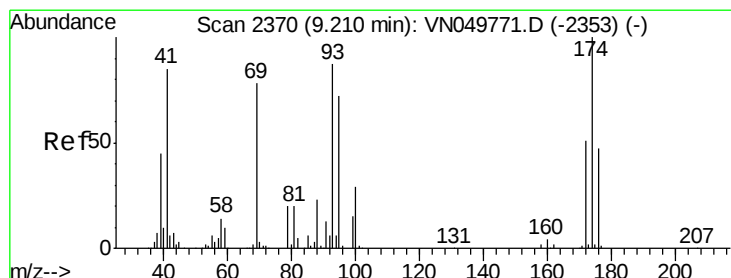
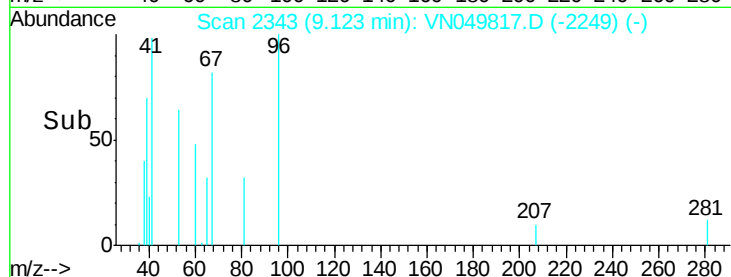
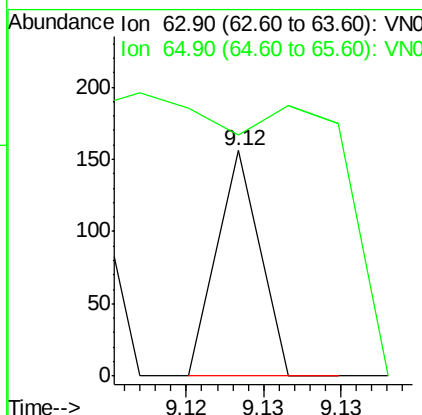
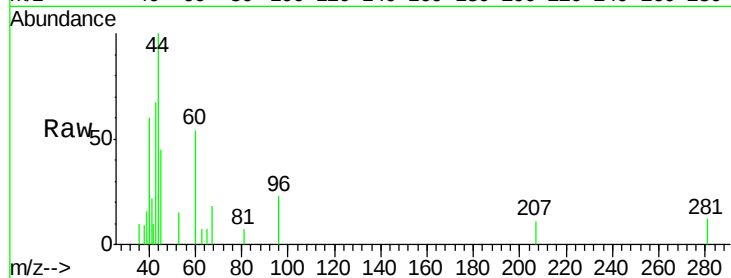




#45
 1,2-Dichloropropane
 Concen: 0.00 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

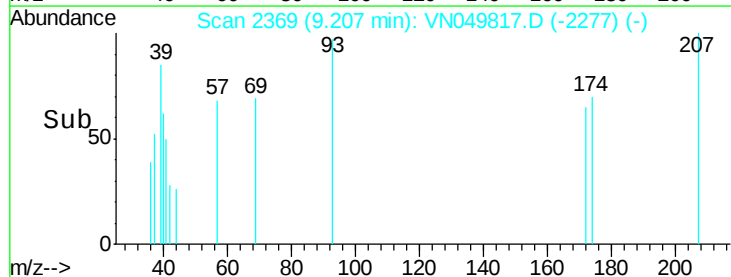
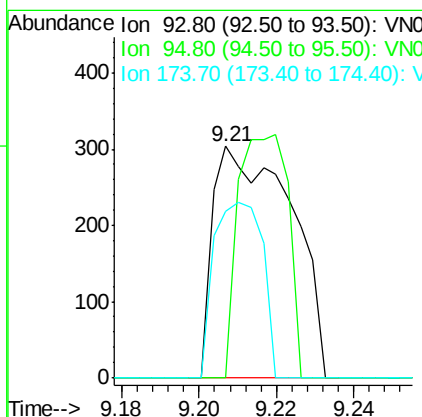
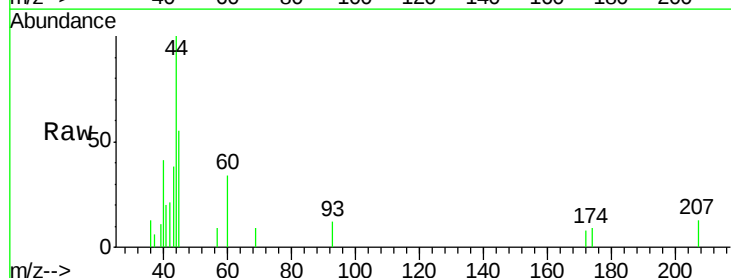
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

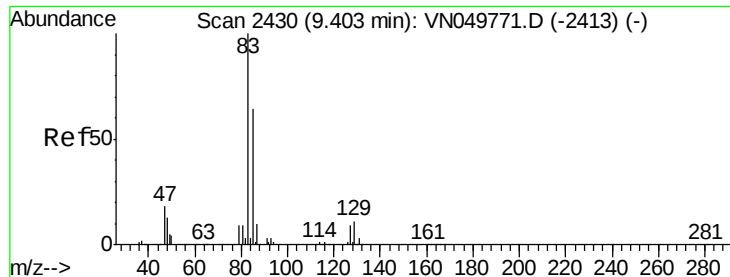
Tot Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#46
 Dibromomethane
 Concen: 0.04 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 93 Resp: 428
 Ion Ratio Lower Upper
 93 100
 95 65.9 67.9 101.9#
 174 46.7 89.4 134.0#





#47

Bromodichloromethane

Concen: 0.02 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

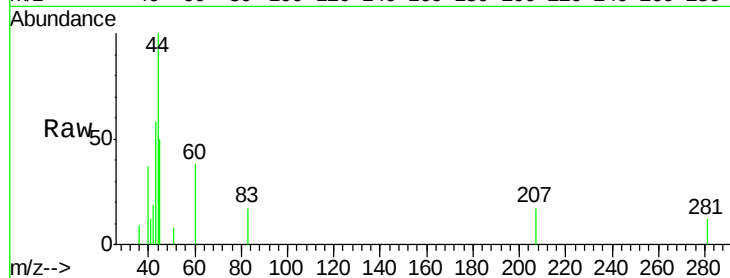
Tot Ion: 83 Resp: 375

Ion Ratio Lower Upper

83 100

85 0.0 50.5 75.7#

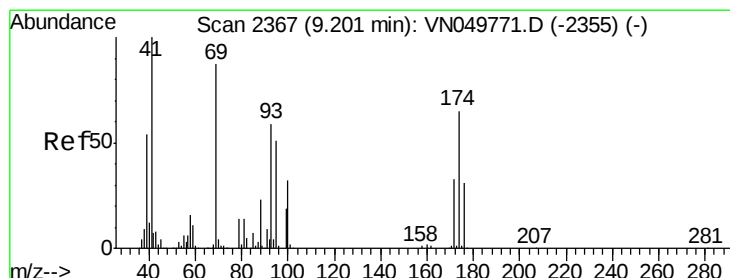
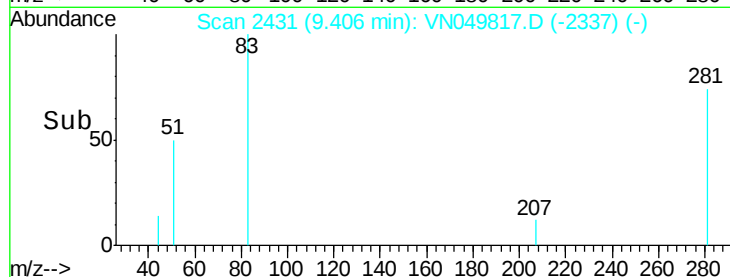
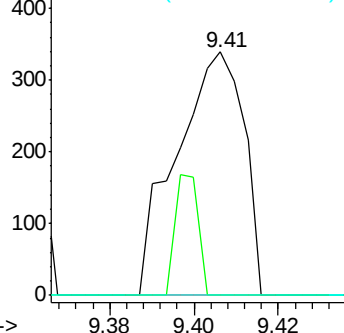
127 0.0 6.8 10.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 0.06 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

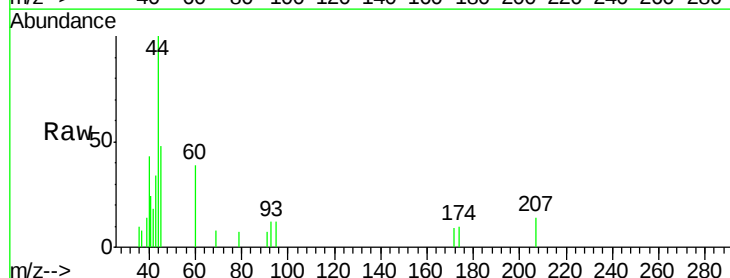
Tgt Ion: 41 Resp: 652

Ion Ratio Lower Upper

41 100

69 21.8 71.5 107.3#

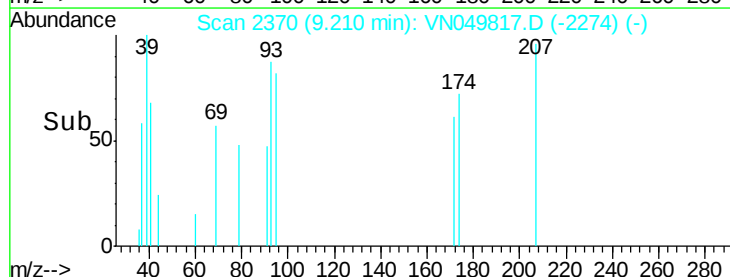
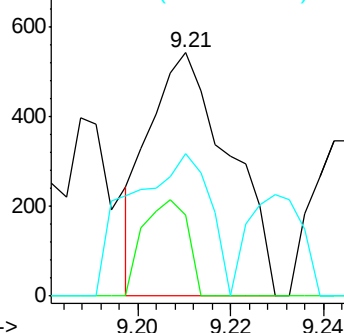
39 58.0 44.7 67.1

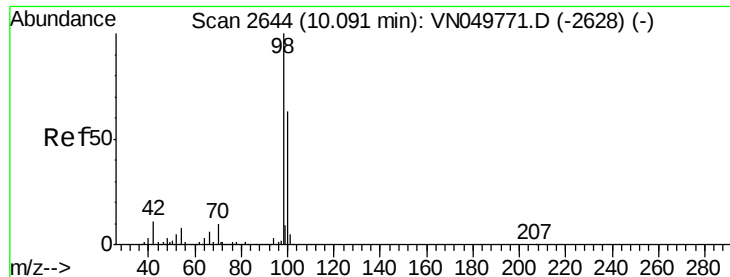


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.49 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

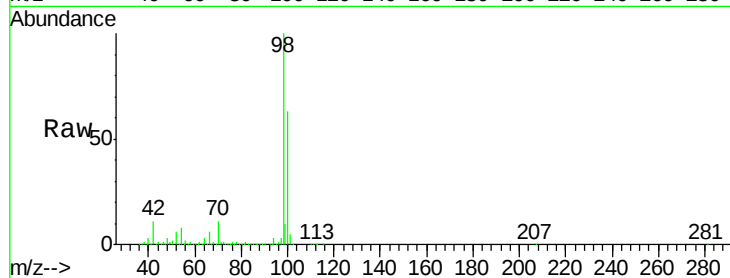
PB111069ZHE#14

Tot Ion: 98 Resp: 2530193

Ion Ratio Lower Upper

98 100

100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049771.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049771.D (-2628) (-)

10.09

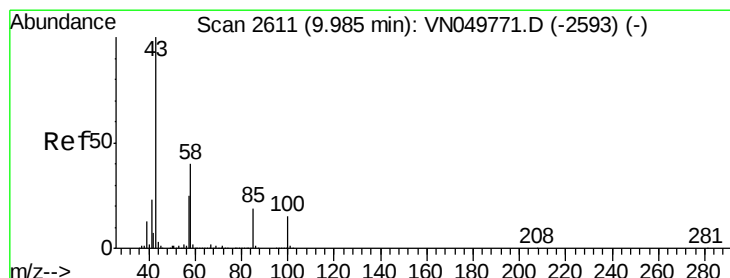
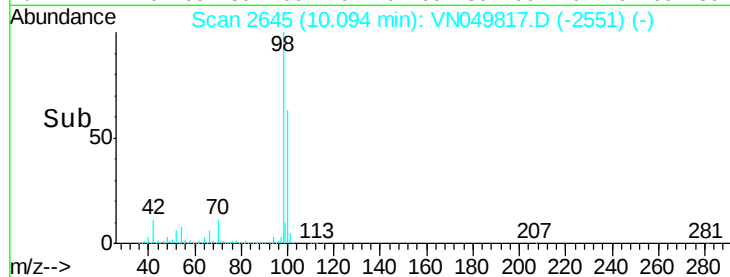
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.36 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049817.D

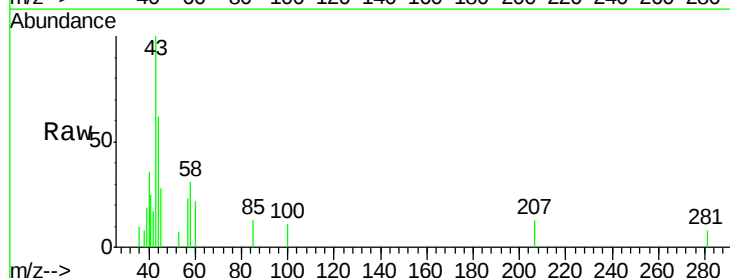
Acq: 14 Jul 2018 00:47

Tgt Ion: 43 Resp: 4451

Ion Ratio Lower Upper

43 100

58 36.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049771.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN049771.D (-2593) (-)

9.99

3000

2500

2000

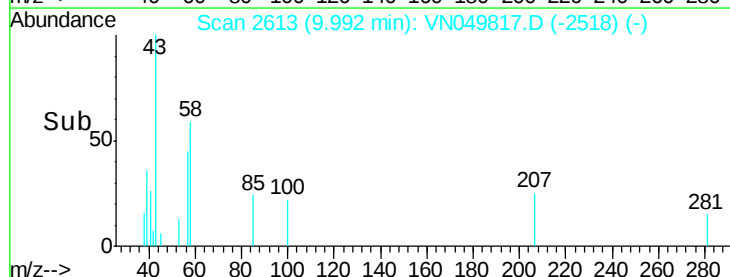
1500

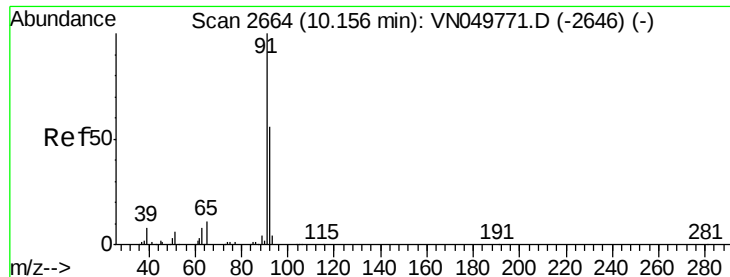
1000

500

0

Time-->





#52

Toluene

Concen: 0.06 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

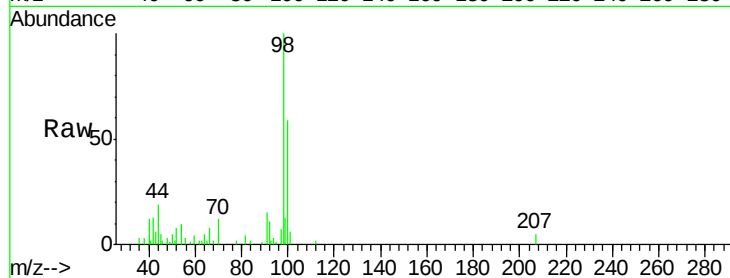
PB111069ZHE#14

Tot Ion: 92 Resp: 2147

Ion Ratio Lower Upper

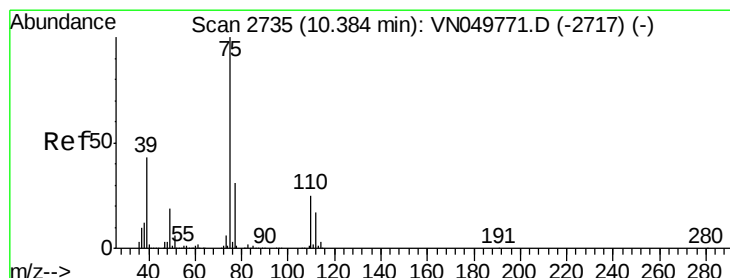
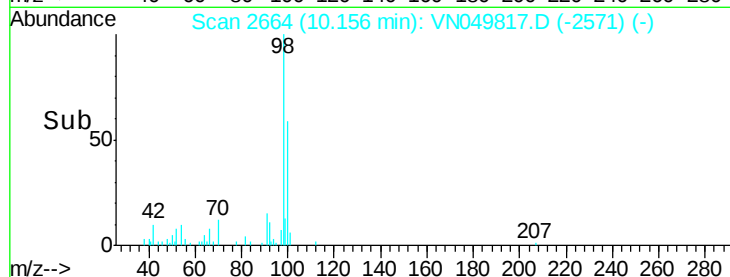
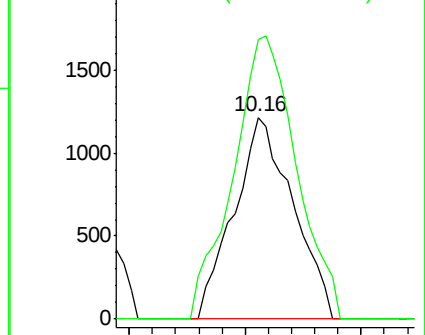
92 100

91 150.5 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.05 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049817.D

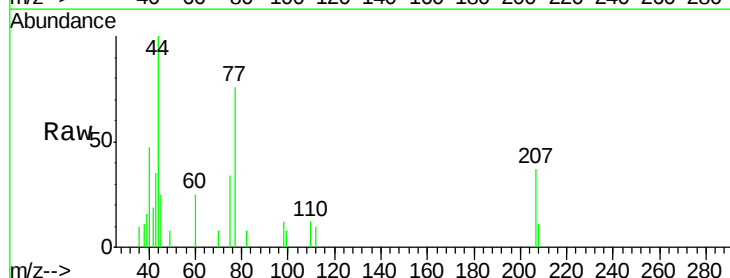
Acq: 14 Jul 2018 00:47

Tgt Ion: 75 Resp: 1187

Ion Ratio Lower Upper

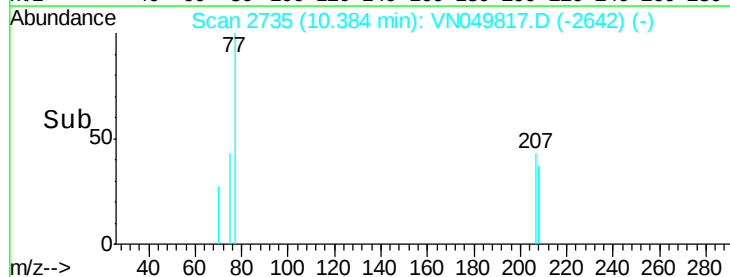
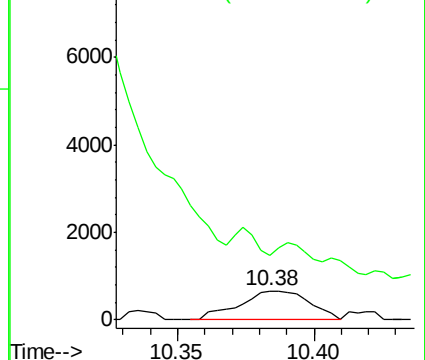
75 100

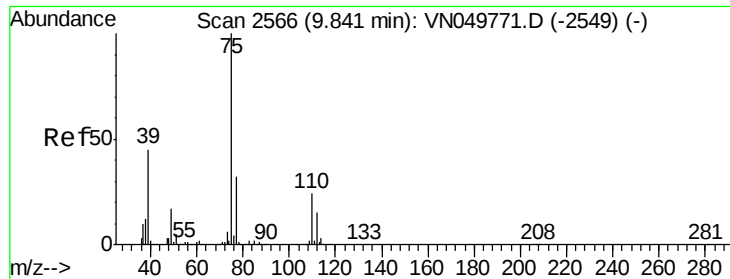
77 18.3 25.2 37.8#



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: 0.03 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

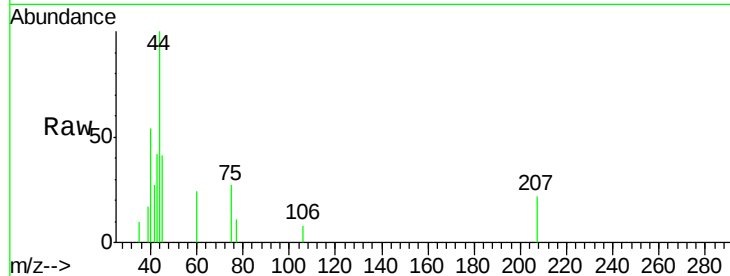
Tot Ion: 75 Resp: 803

Ion Ratio Lower Upper

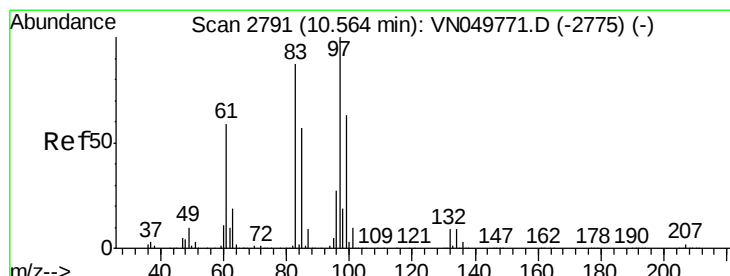
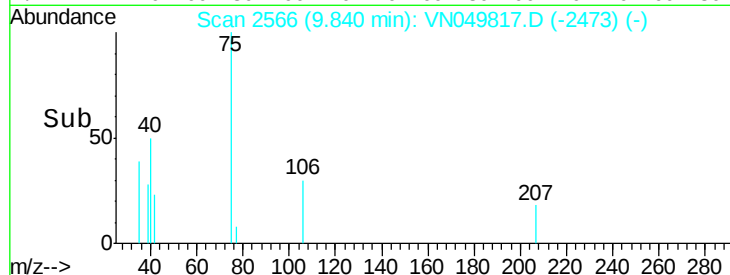
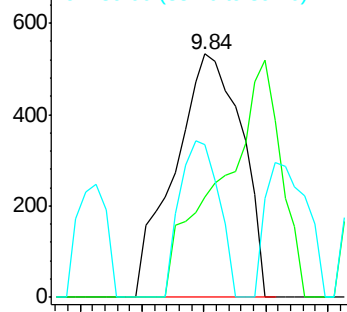
75 100

77 41.3 25.3 37.9#

39 62.9 35.5 53.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#55

1,1,2-Trichloroethane

Concen: Below Cal

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Tgt Ion: 97 Resp: 410

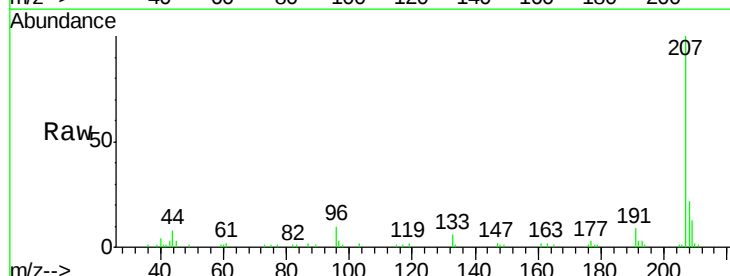
Ion Ratio Lower Upper

97 100

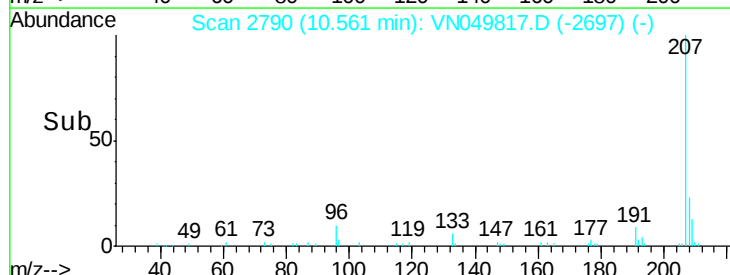
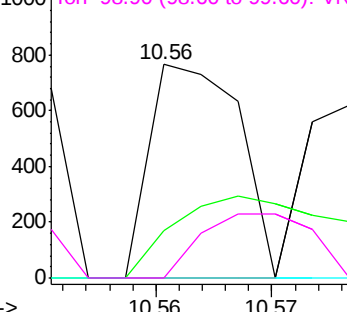
83 22.5 69.0 103.6#

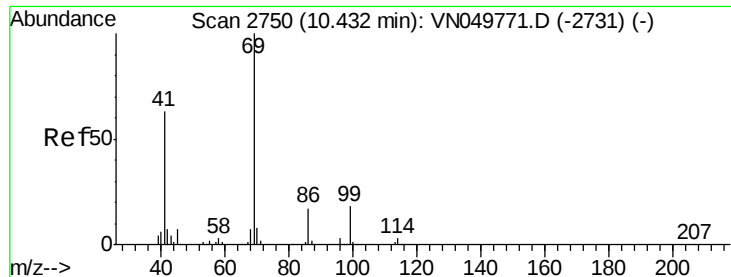
85 0.0 44.9 67.3#

99 0.0 49.8 74.6#



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





#56

Ethyl methacrylate

Concen: 0.02 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

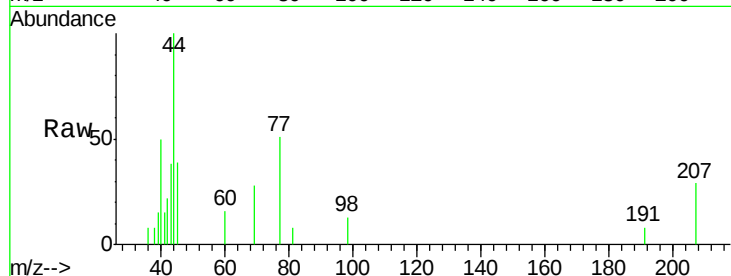
Tot Ion: 69 Resp: 432

Ion Ratio Lower Upper

69 100

41 126.2 51.6 77.4#

39 129.9 25.8 38.8#

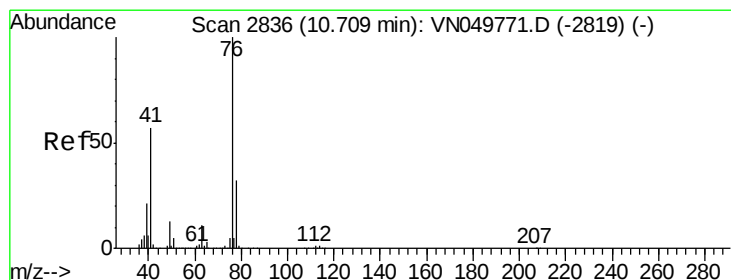
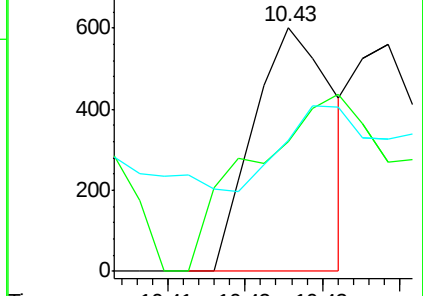
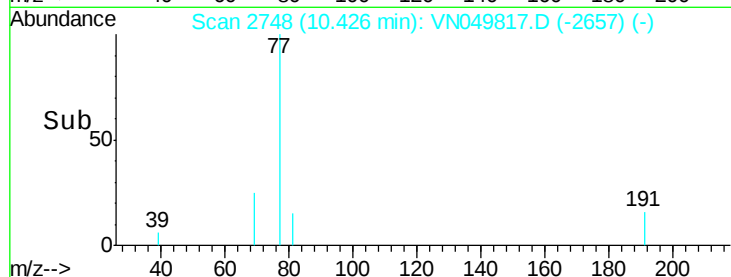


Abundance Ion 69.00 (68.70 to 69.70): VN049817.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049817.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049817.D (-2657) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.02 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN049817.D

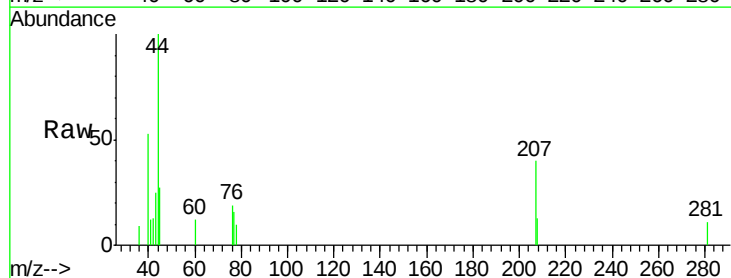
Acq: 14 Jul 2018 00:47

Tgt Ion: 76 Resp: 510

Ion Ratio Lower Upper

76 100

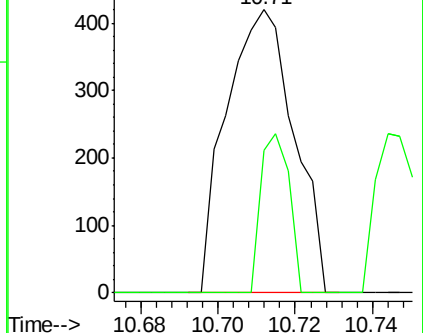
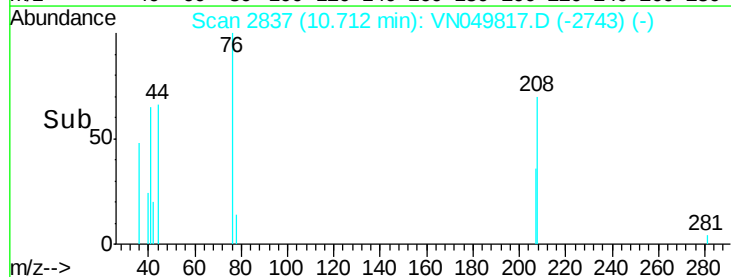
78 23.7 25.8 38.8#

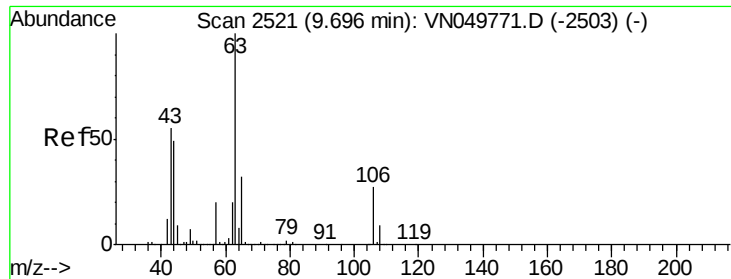


Abundance Ion 75.90 (75.60 to 76.60): VN049817.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049817.D (-2743) (-)

Time-->

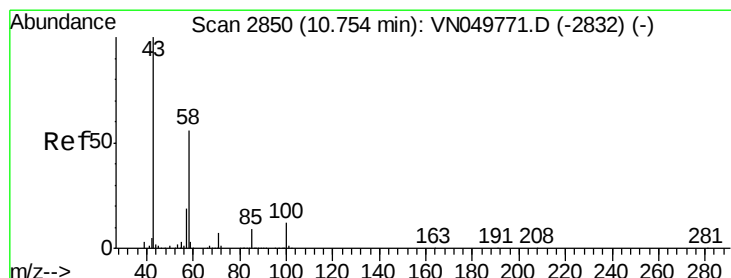
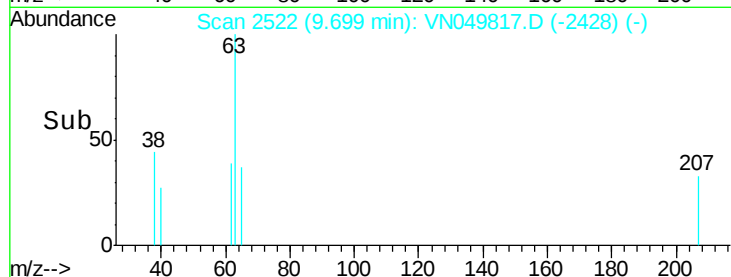
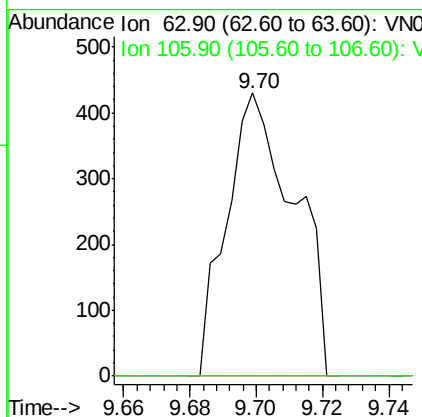
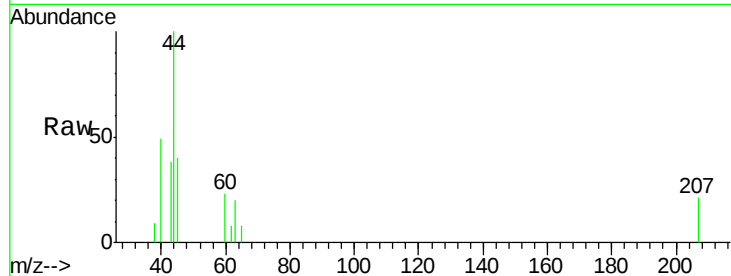




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.07 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

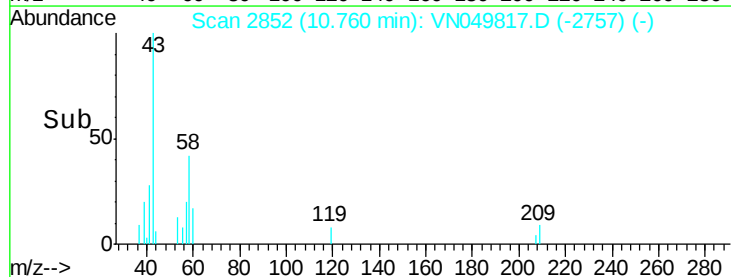
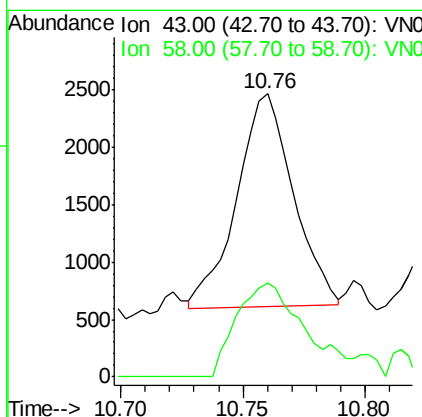
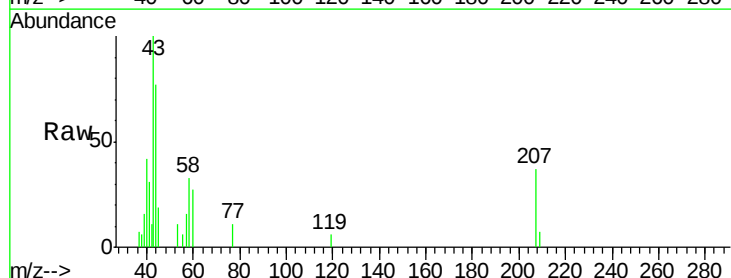
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

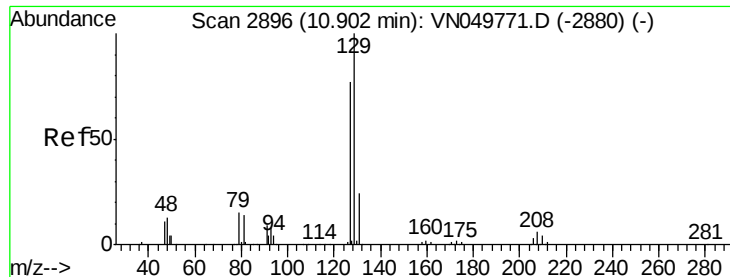
Tot Ion: 63 Resp: 610
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#



#59
 2-Hexanone
 Concen: 0.36 ug/l
 RT: 10.76 min Scan# 2852
 Delta R.T. 0.01 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 43 Resp: 2995
 Ion Ratio Lower Upper
 43 100
 58 53.3 27.8 83.4





#60

Dibromochloromethane

Concen: 0.01 ug/l

RT: 10.89 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

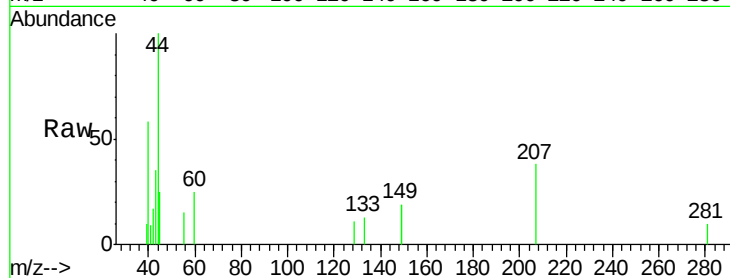
PB111069ZHE#14

Tot Ion:129 Resp: 147

Ion Ratio Lower Upper

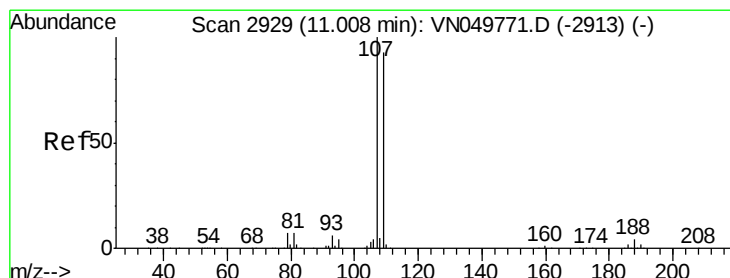
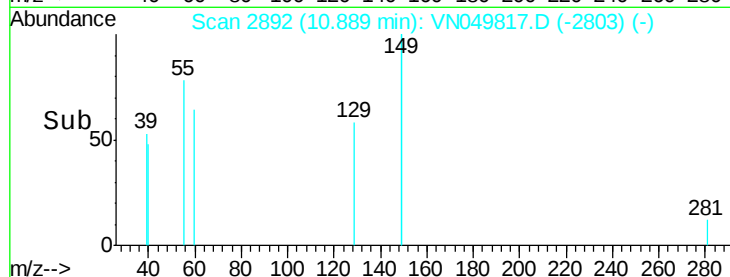
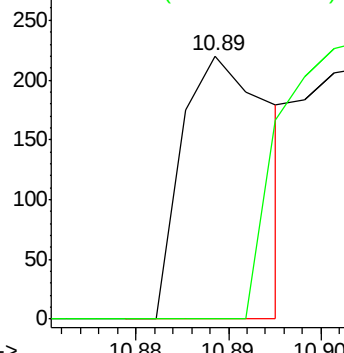
129 100

127 181.0 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: 0.02 ug/l

RT: 11.01 min Scan# 2931

Delta R.T. 0.01 min

Lab File: VN049817.D

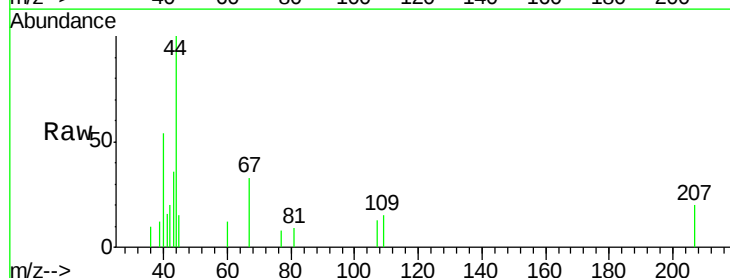
Acq: 14 Jul 2018 00:47

Tgt Ion:107 Resp: 266

Ion Ratio Lower Upper

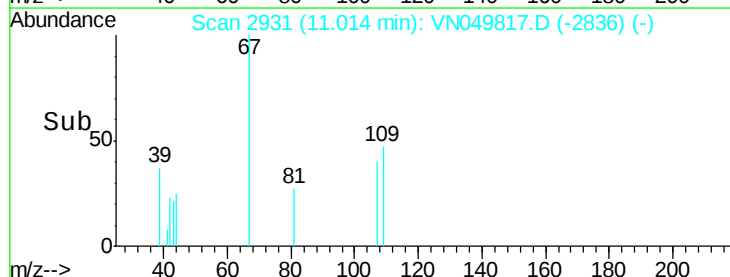
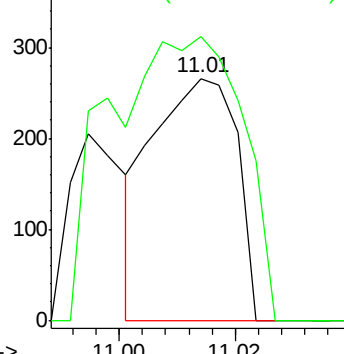
107 100

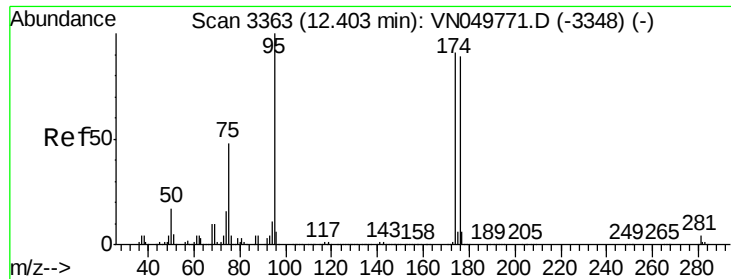
109 186.8 75.0 112.6#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 40.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

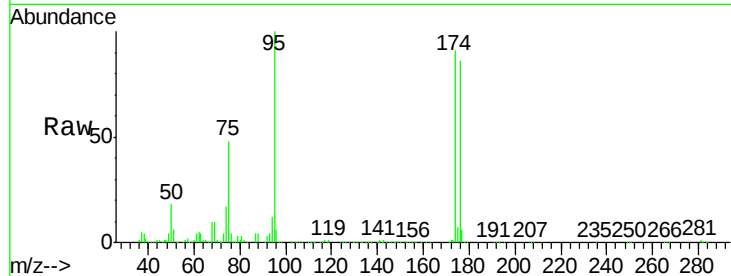
Tot Ion: 95 Resp: 689182

Ion Ratio Lower Upper

95 100

174 90.8 0.0 179.6

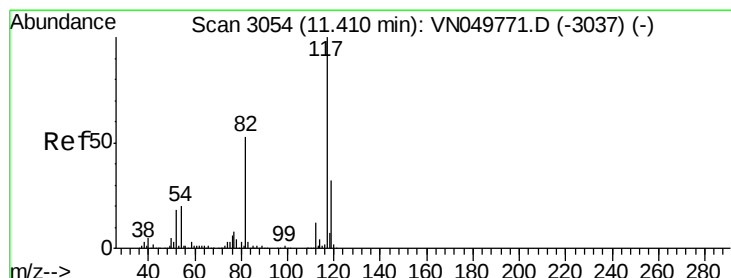
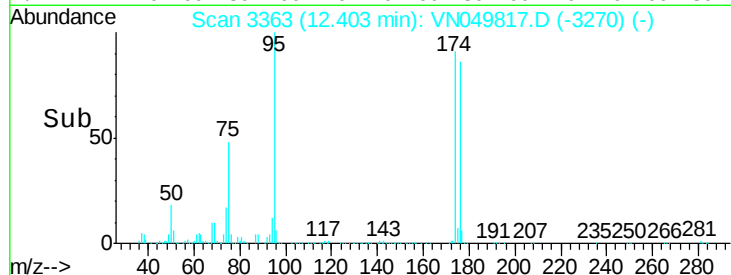
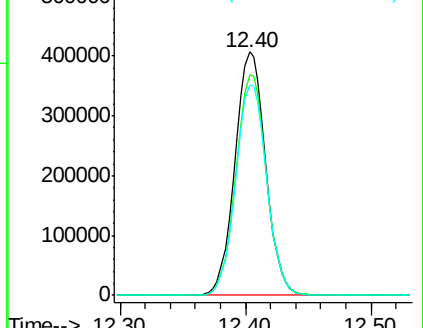
176 87.6 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

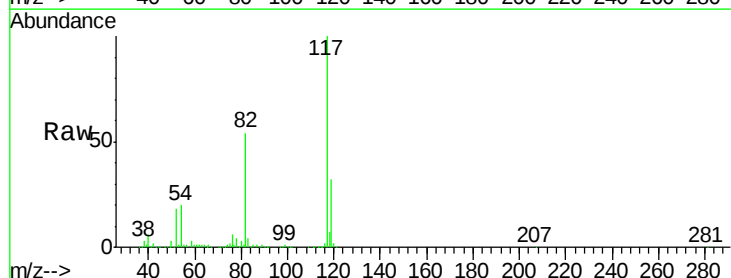
Tgt Ion: 117 Resp: 1549223

Ion Ratio Lower Upper

117 100

82 53.8 41.9 62.9

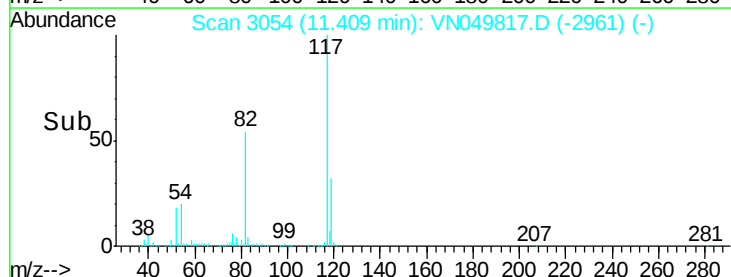
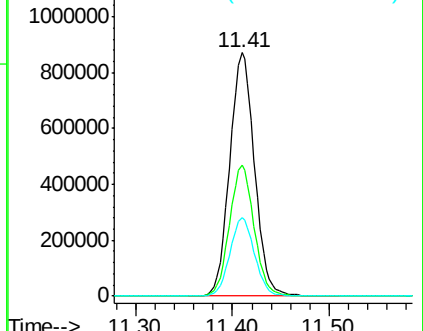
119 32.3 25.4 38.2

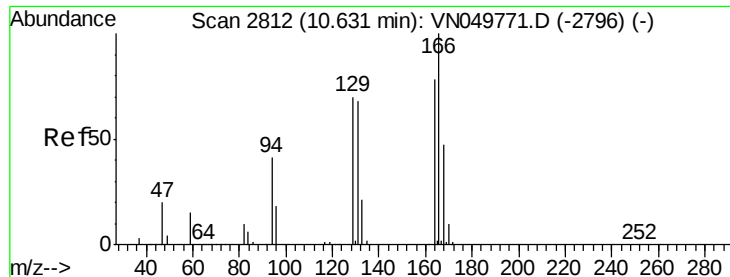


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

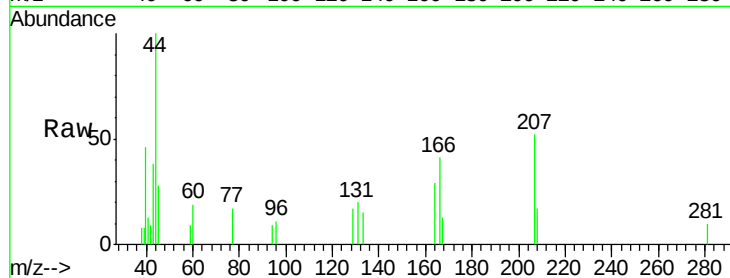




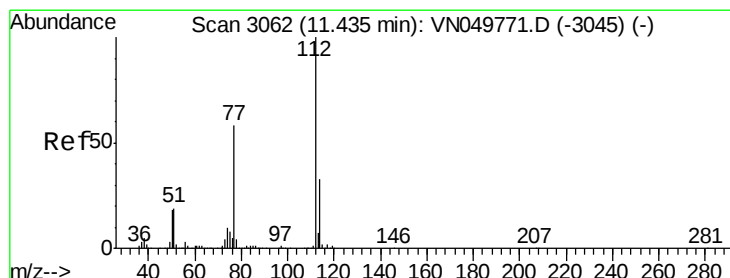
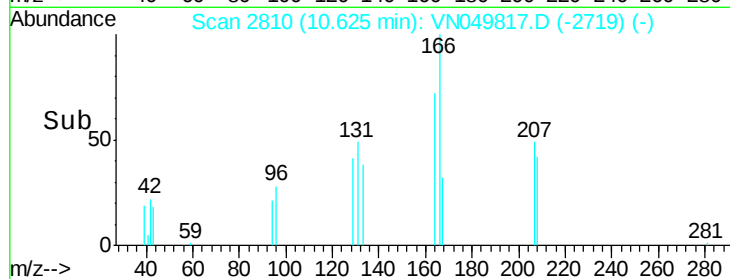
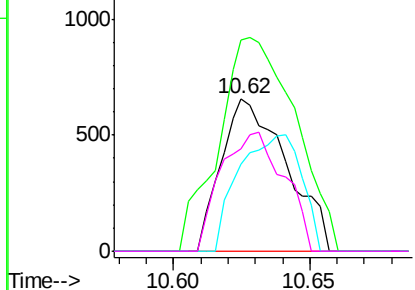
#64
Tetrachloroethene
Concen: 0.08 ug/l
RT: 10.62 min Scan# 2810
Delta R.T. -0.01 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

Tot Ion:164 Resp: 1089
Ion Ratio Lower Upper
164 100
166 138.0 101.8 152.6
129 57.1 72.8 109.2#
131 67.3 70.0 105.0#

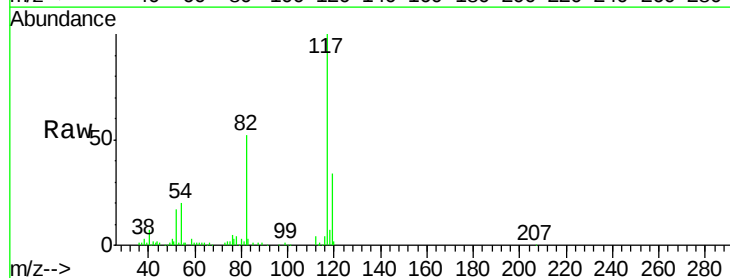


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

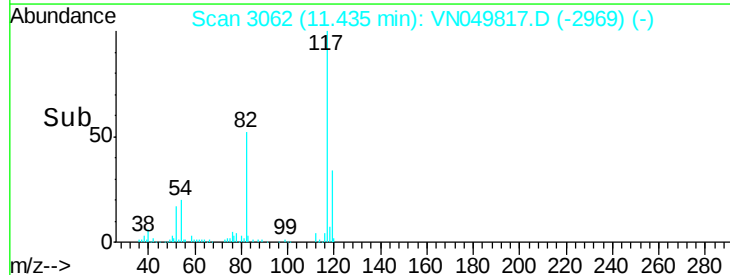
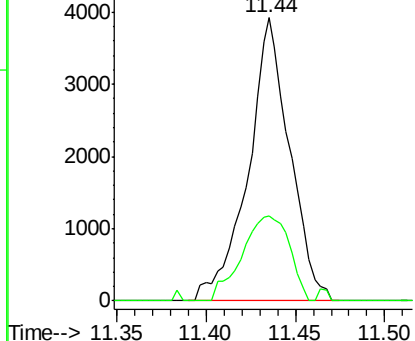


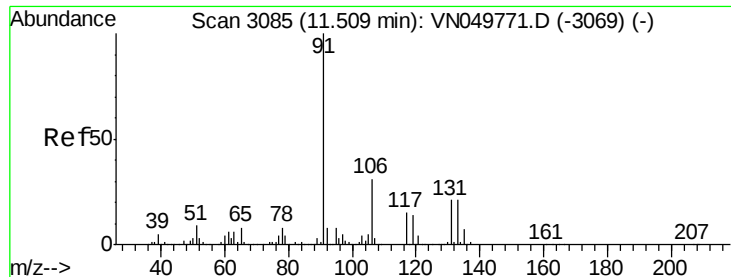
#65
Chlorobenzene
Concen: 0.16 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion:112 Resp: 6389
Ion Ratio Lower Upper
112 100
114 29.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 0.01 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

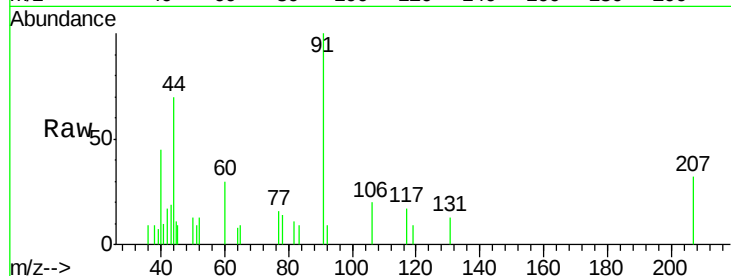
Tot Ion:131 Resp: 183

Ion Ratio Lower Upper

131 100

133 38.8 47.5 142.6#

119 0.0 33.1 99.3#



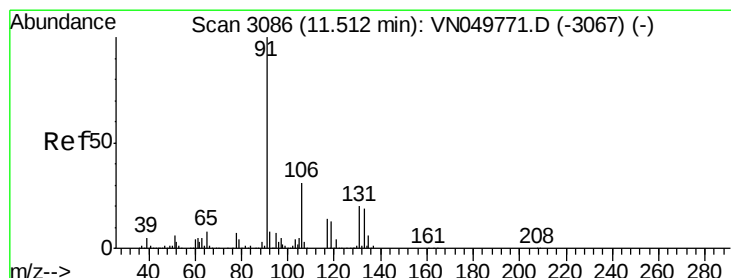
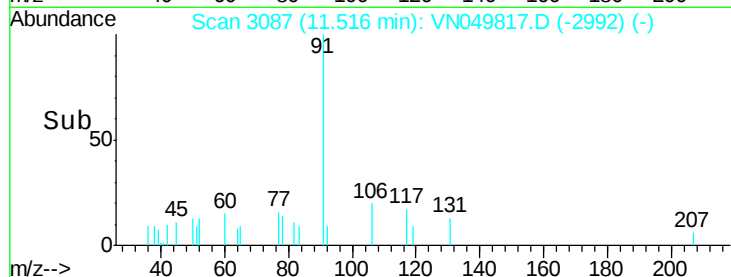
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

Time-->

11.50 11.52



#67

Ethyl Benzene

Concen: 0.05 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049817.D

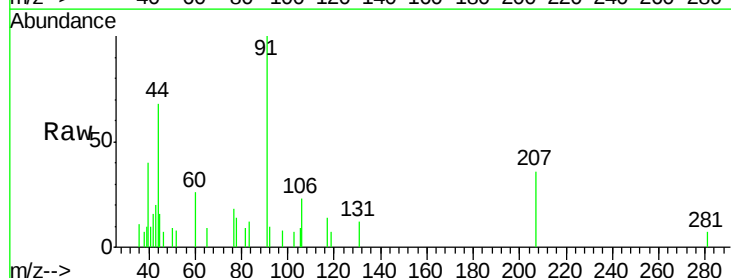
Acq: 14 Jul 2018 00:47

Tgt Ion: 91 Resp: 3439

Ion Ratio Lower Upper

91 100

106 23.0 24.8 37.2#

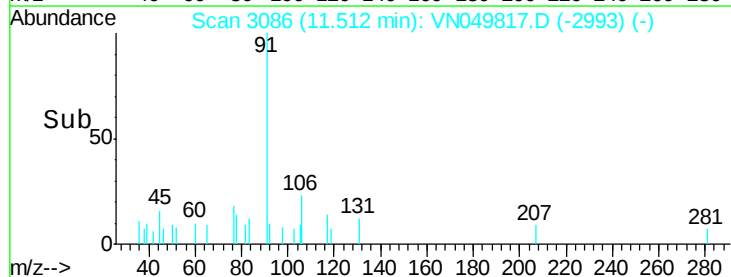


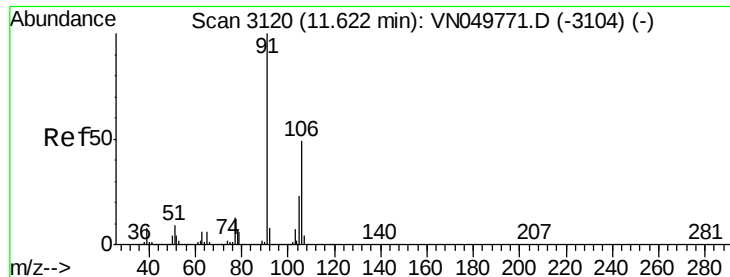
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

Time-->

11.50 11.55





#68

m/p-Xvlenes

Concen: 0.10 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

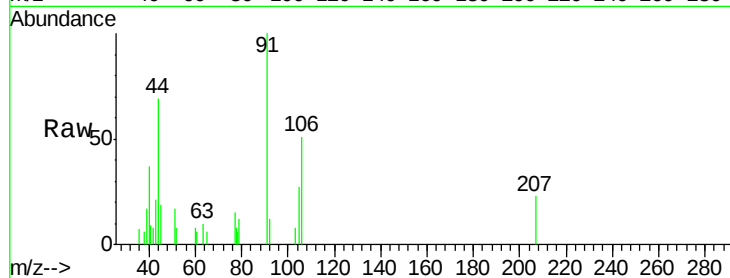
PB111069ZHE#14

Tot Ion:106 Resp: 2464

Ion Ratio Lower Upper

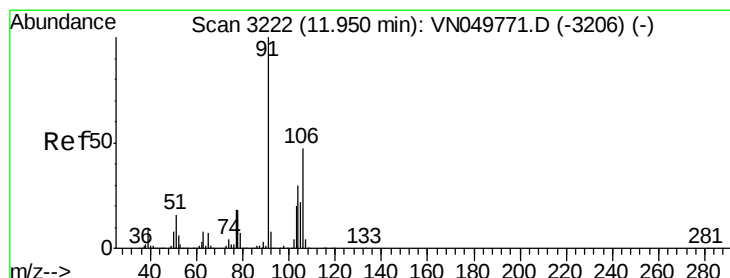
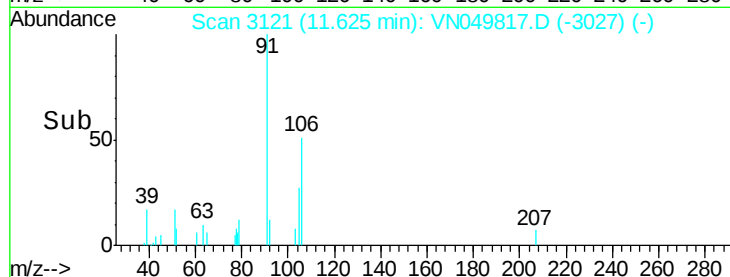
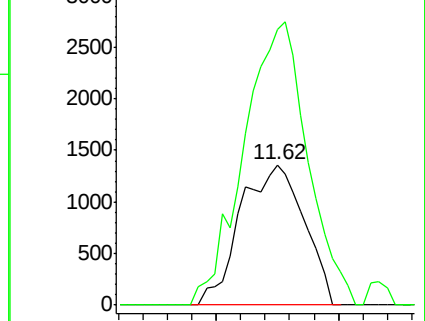
106 100

91 201.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.03 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN049817.D

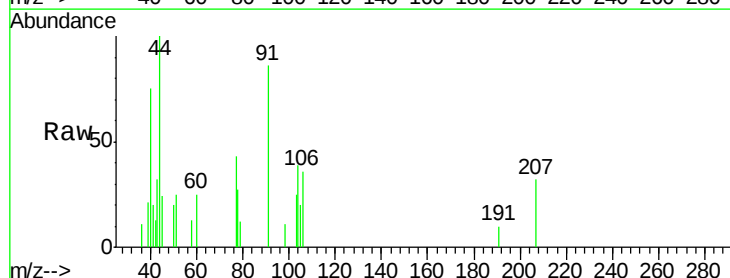
Acq: 14 Jul 2018 00:47

Tgt Ion:106 Resp: 741

Ion Ratio Lower Upper

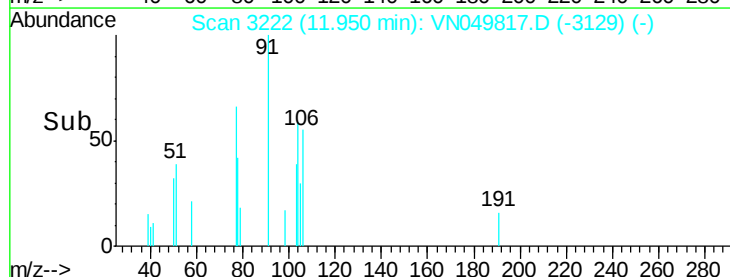
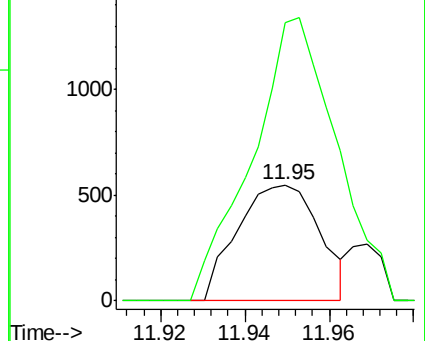
106 100

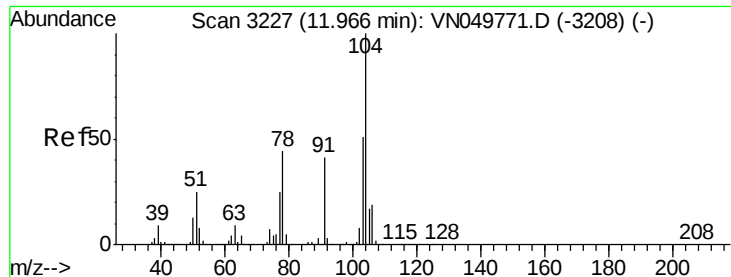
91 252.0 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 0.07 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

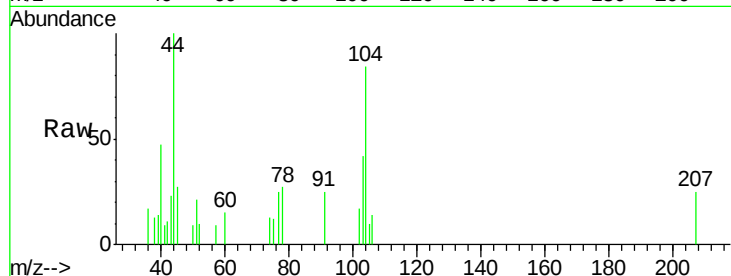
Tot Ion:104 Resp: 2716

Ion Ratio Lower Upper

104 100

78 49.1 39.2 58.8

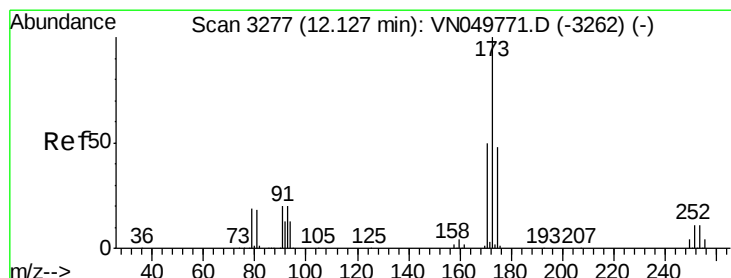
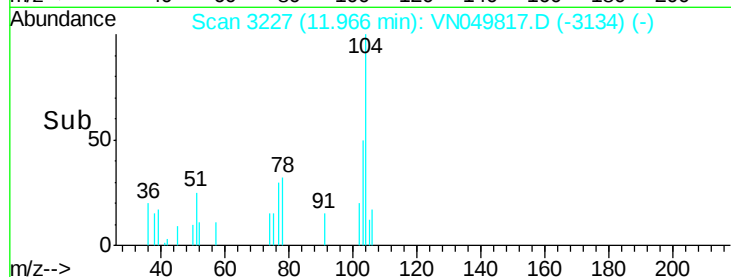
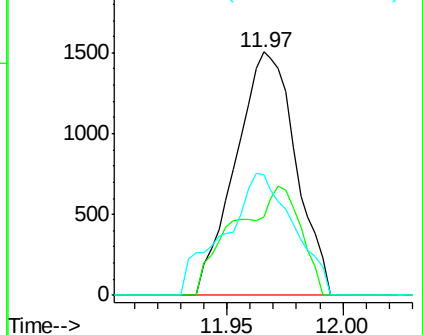
103 57.6 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.03 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

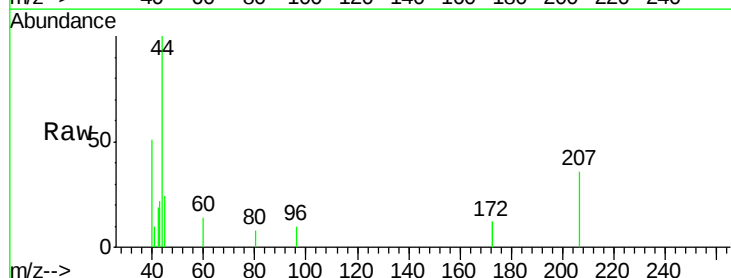
Tgt Ion:173 Resp: 270

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

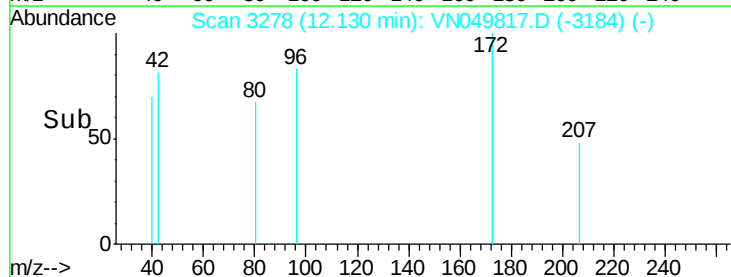
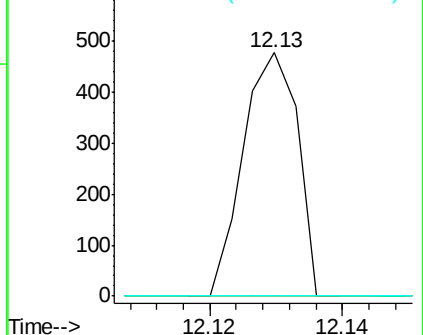
254 0.0 0.2 0.2#

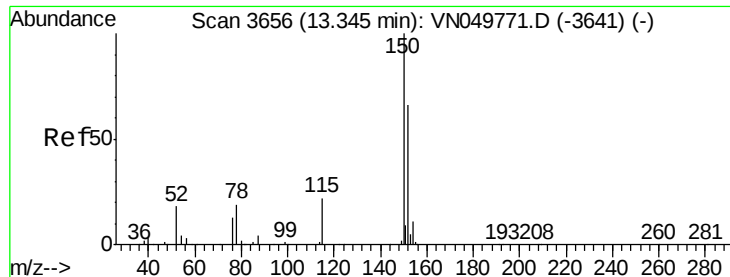


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

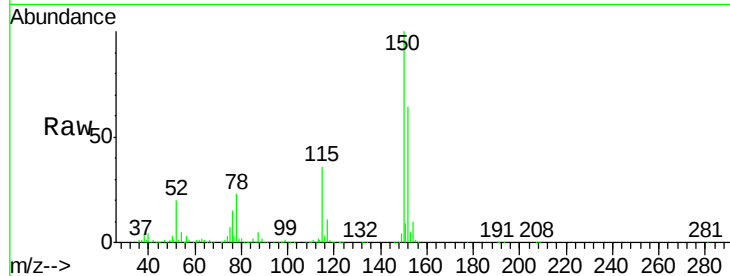
Tot Ion:152 Resp: 568990

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

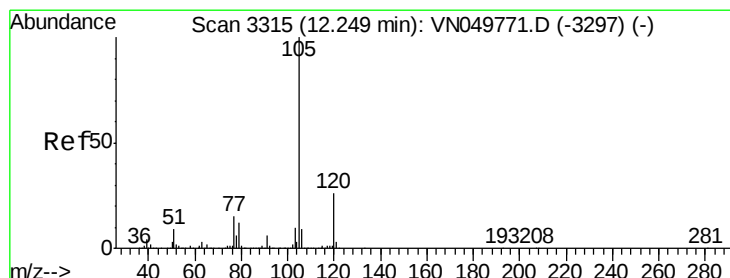
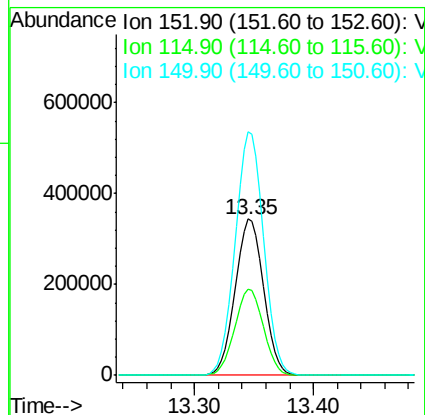
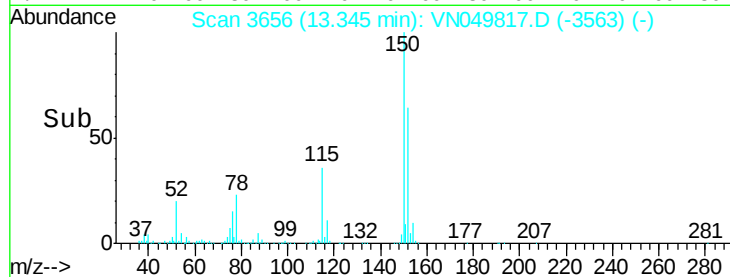
150 155.9 0.0 347.6



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: 0.05 ug/l

RT: 12.25 min Scan# 3314

Delta R.T. -0.00 min

Lab File: VN049817.D

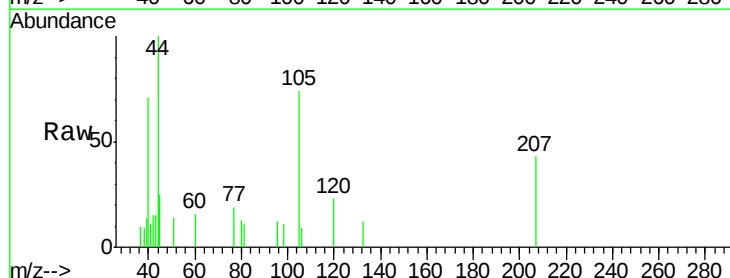
Acq: 14 Jul 2018 00:47

Tgt Ion:105 Resp: 2179

Ion Ratio Lower Upper

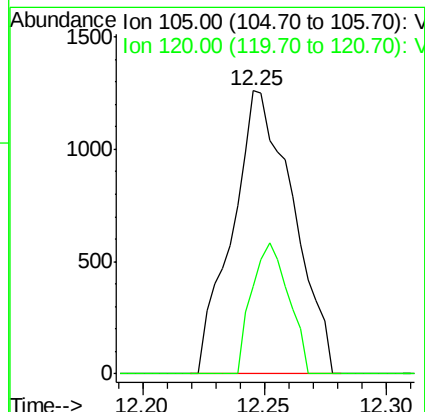
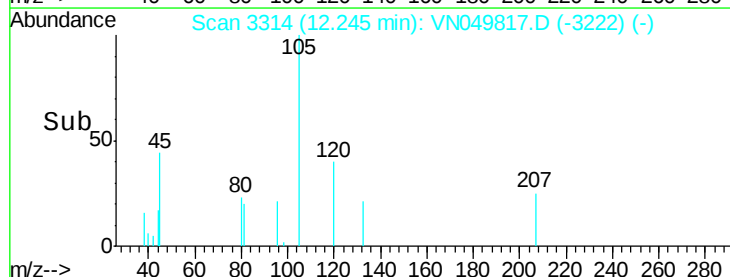
105 100

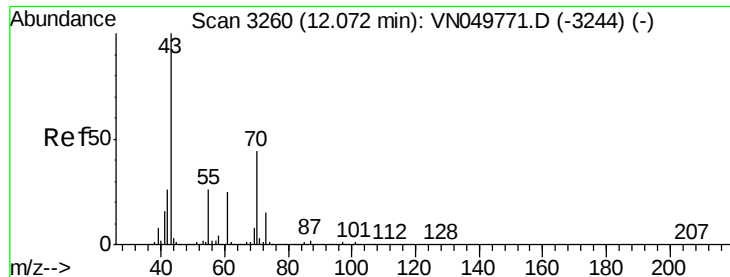
120 27.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.18 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

Tot Ion: 43 Resp: 2176

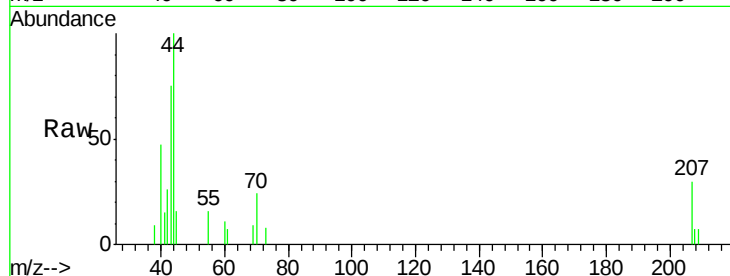
Ion Ratio Lower Upper

43 100

70 44.3 34.8 52.2

55 19.3 20.9 31.3#

61 8.8 19.9 29.9#

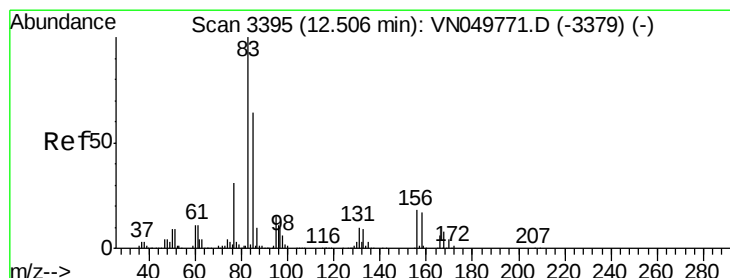
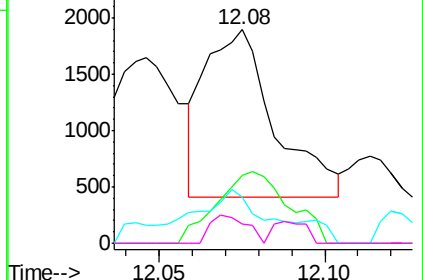
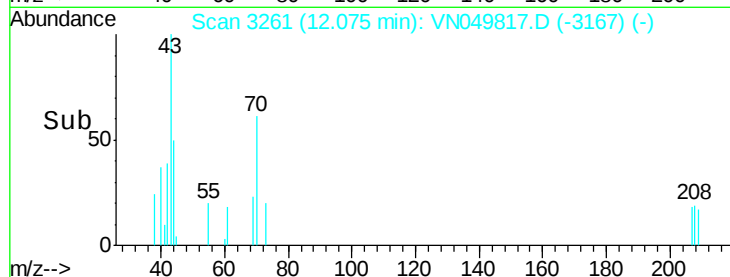


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

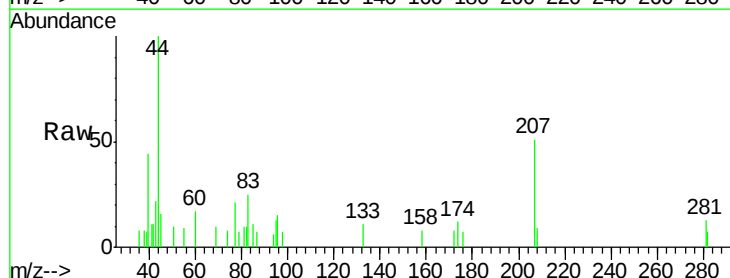
Tgt Ion: 83 Resp: 773

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

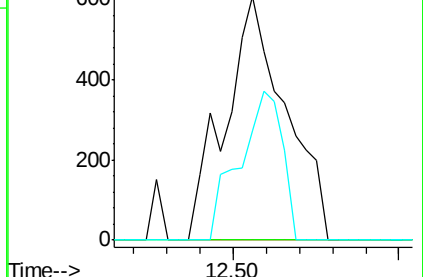
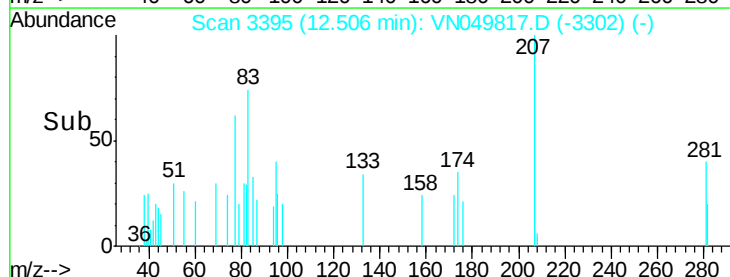
85 43.3 32.5 97.4

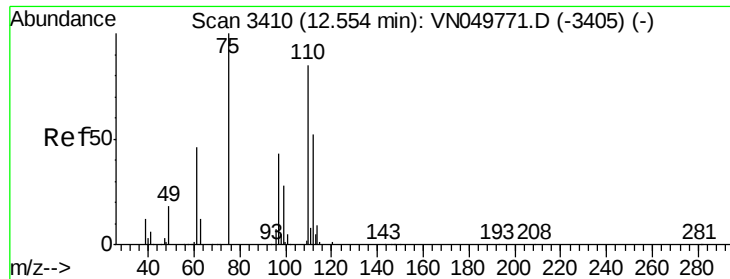


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 32.93 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

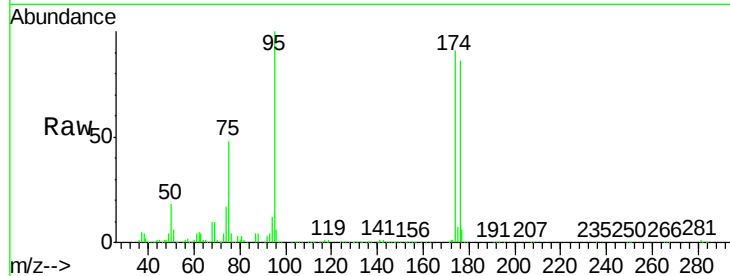
PB111069ZHE#14

Tot Ion: 75 Resp: 332833

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

200000

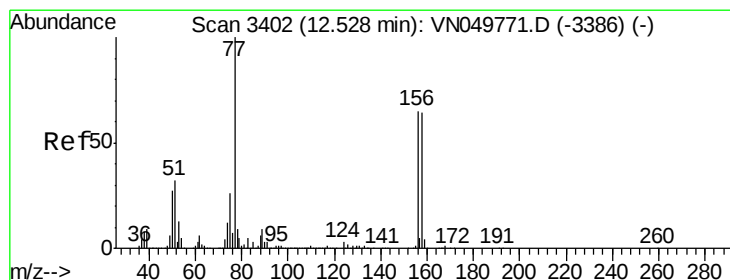
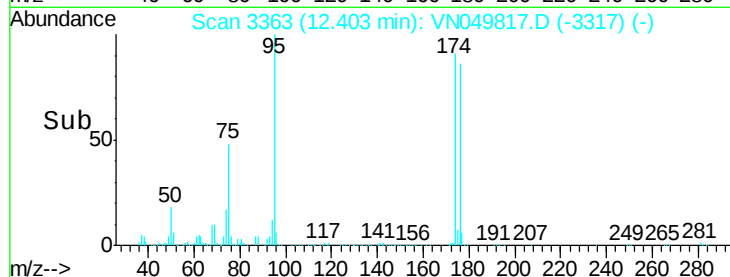
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#77

Bromobenzene

Concen: 0.13 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

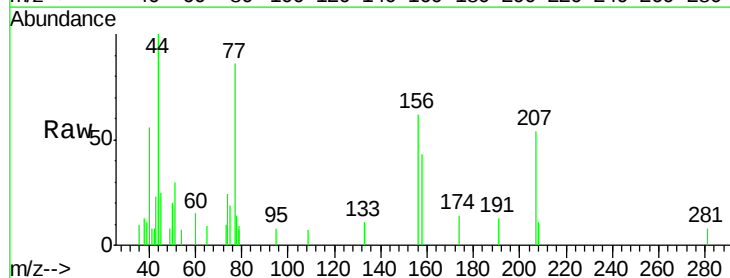
Tgt Ion: 156 Resp: 1656

Ion Ratio Lower Upper

156 100

77 208.1 90.2 270.6

158 95.7 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

2500

2000

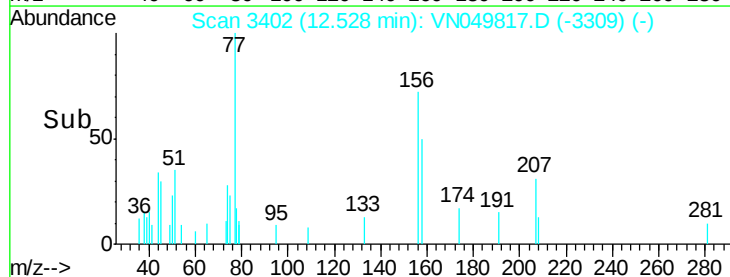
1500

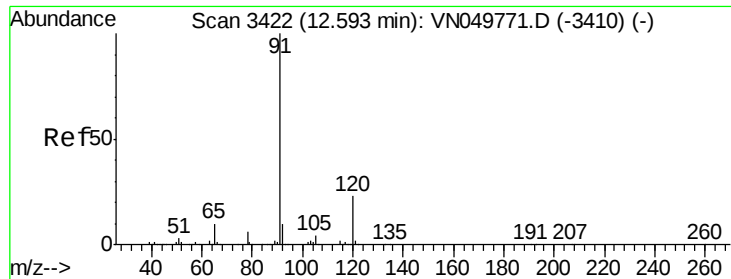
1000

500

0

Time--> 12.50 12.53 12.55





#78

n-propylbenzene

Concen: 0.09 ug/l

RT: 12.60 min Scan# 3424

Delta R.T. 0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

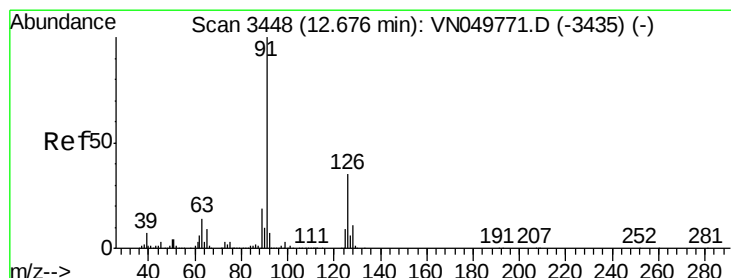
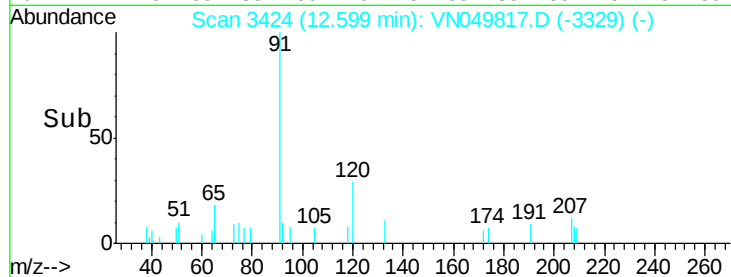
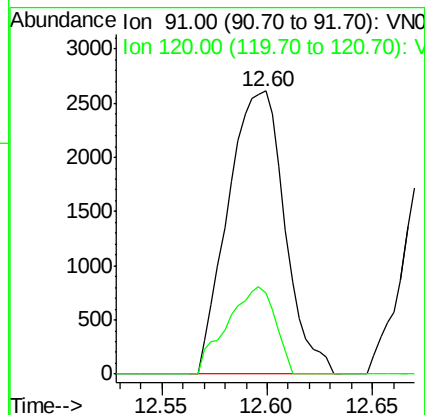
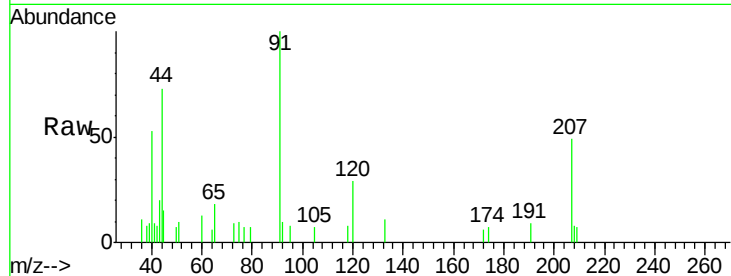
PB111069ZHE#14

Tot Ion: 91 Resp: 4883

Ion Ratio Lower Upper

91 100

120 26.2 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.08 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049817.D

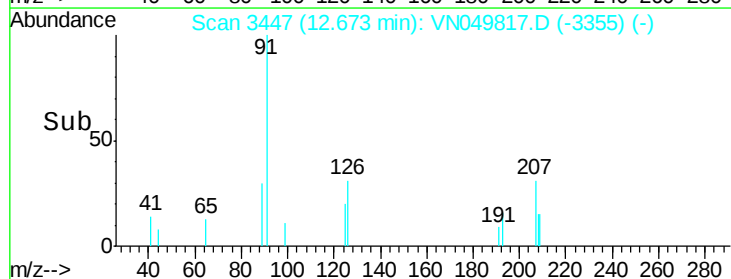
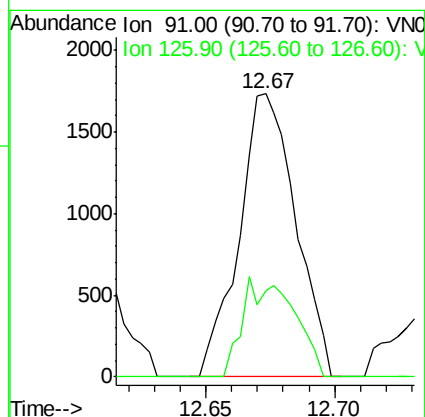
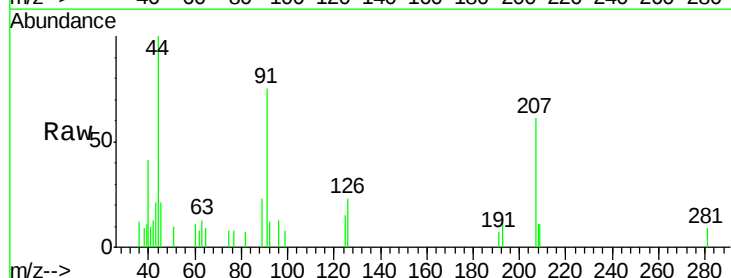
Acq: 14 Jul 2018 00:47

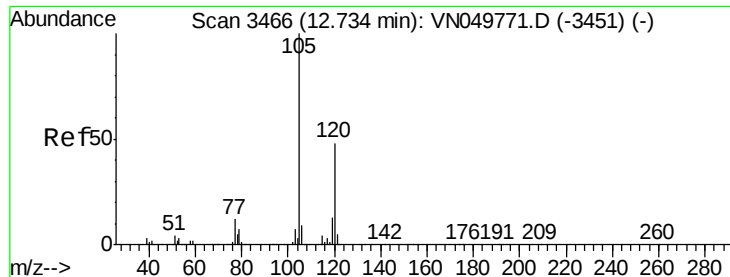
Tgt Ion: 91 Resp: 2660

Ion Ratio Lower Upper

91 100

126 31.6 17.5 52.5





#80

1,3,5-Trimethylbenzene

Concen: 0.06 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

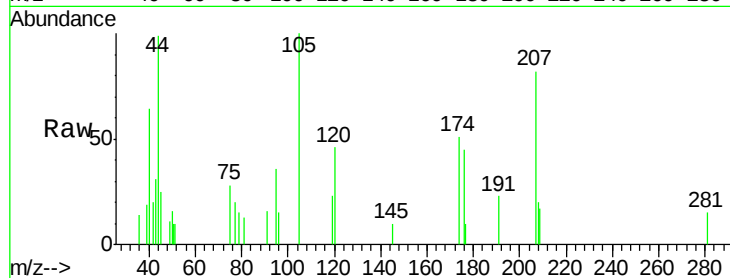
PB111069ZHE#14

Tot Ion:105 Resp: 2345

Ion Ratio Lower Upper

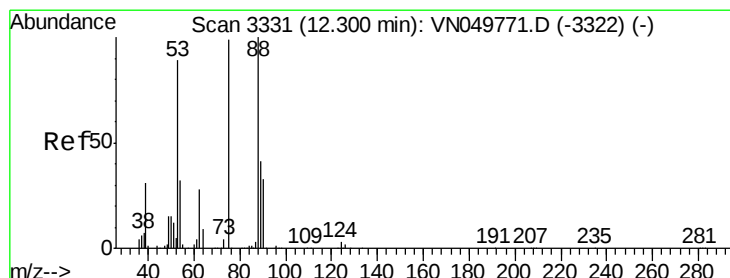
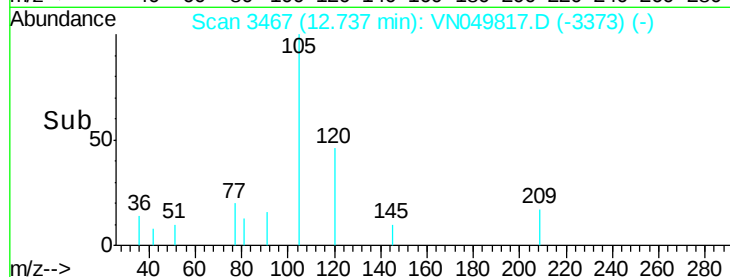
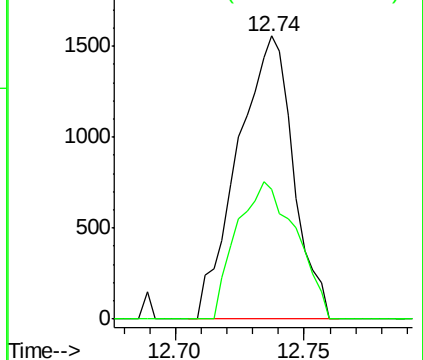
105 100

120 51.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 106.33 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

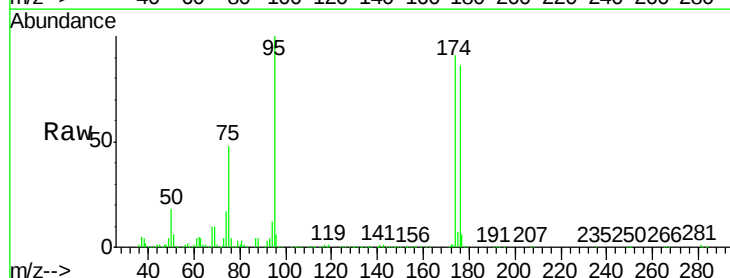
Tgt Ion: 75 Resp: 332833

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

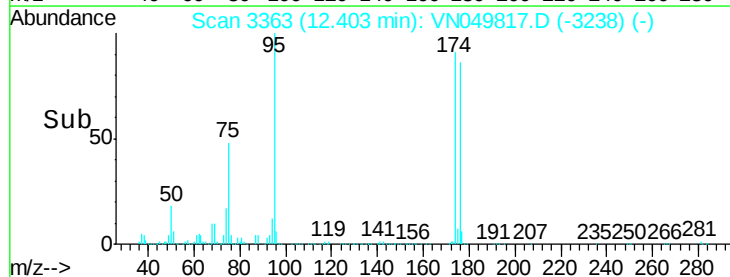
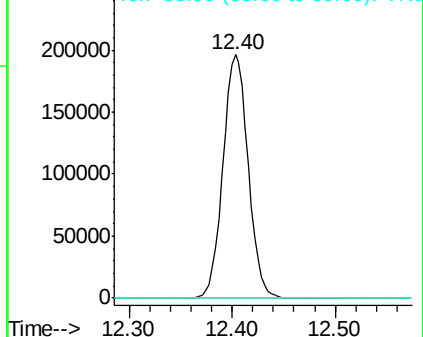
89 0.1 35.9 53.9#

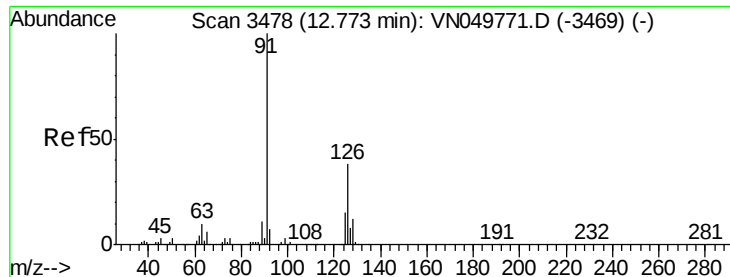


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

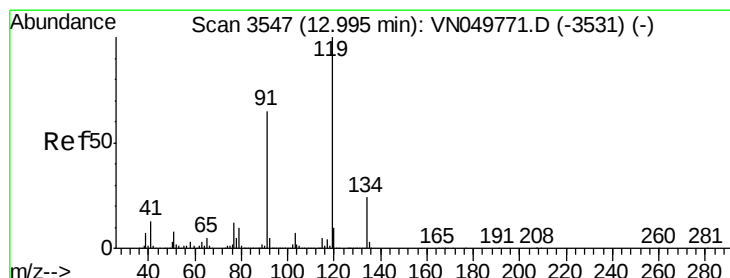
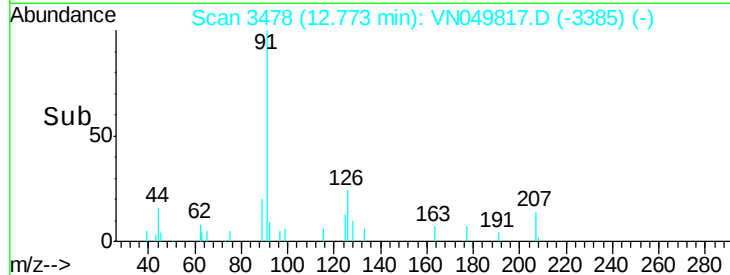
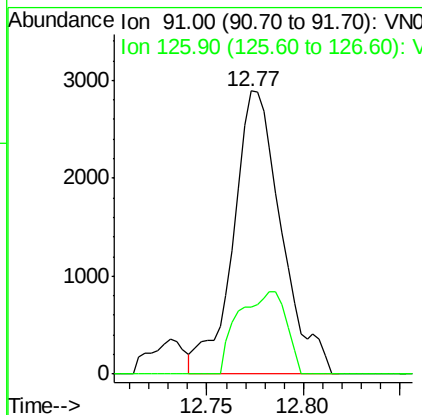
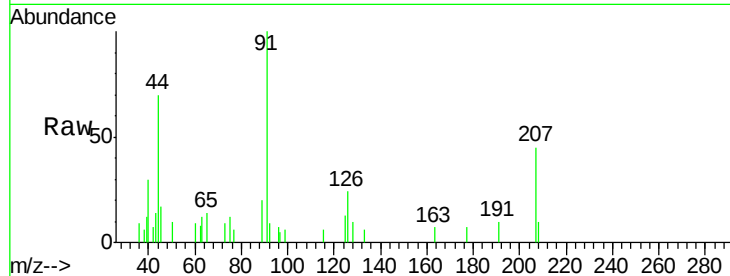




#82
 4-Chlorotoluene
 Concen: 0.15 ug/l
 RT: 12.77 min Scan# 3478
 Delta R.T. -0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

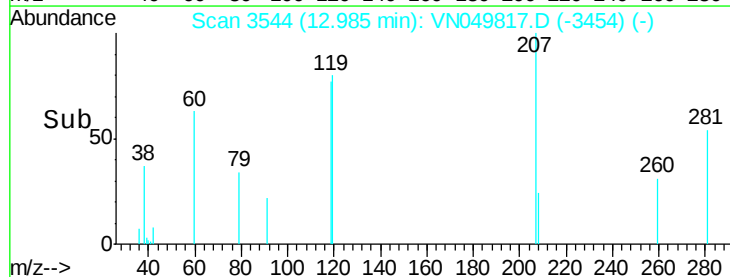
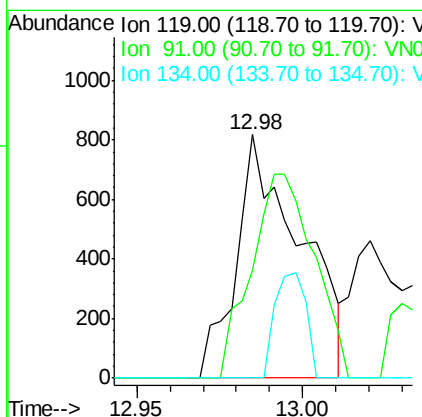
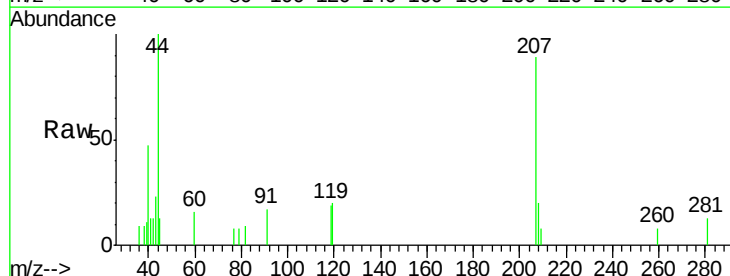
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

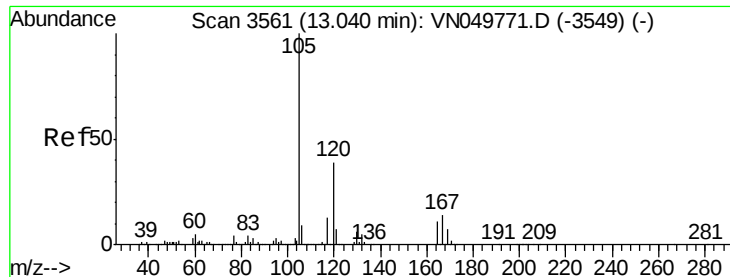
Tot Ion: 91 Resp: 4995
 Ion Ratio Lower Upper
 91 100
 126 28.8 17.2 51.6



#83
 tert-Butylbenzene
 Concen: 0.03 ug/l
 RT: 12.98 min Scan# 3544
 Delta R.T. -0.01 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 119 Resp: 1099
 Ion Ratio Lower Upper
 119 100
 91 82.3 32.0 96.2
 134 21.0 12.8 38.4

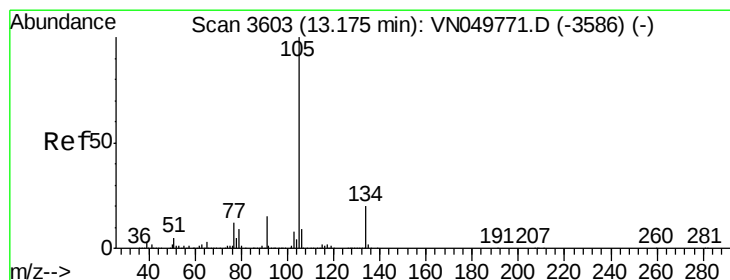
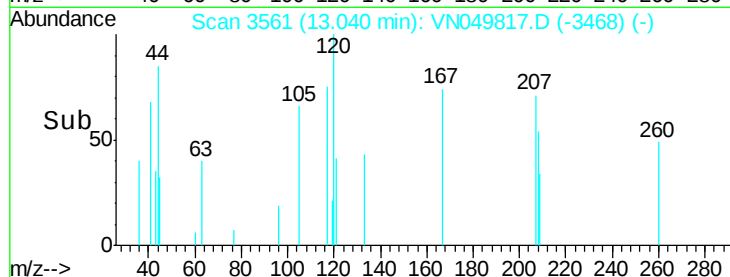
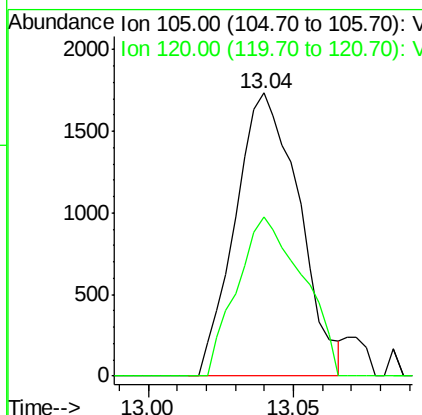
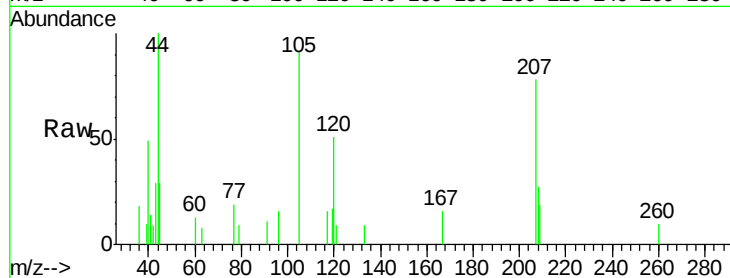




#84
 1,2,4-Trimethylbenzene
 Concen: 0.07 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

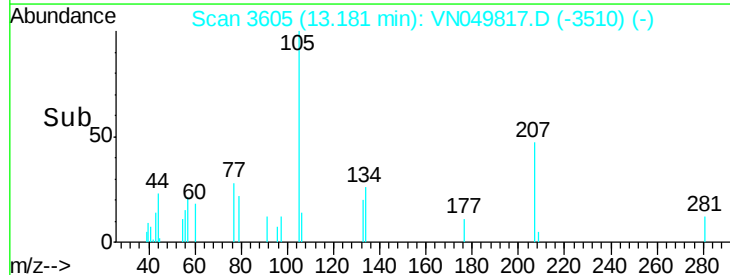
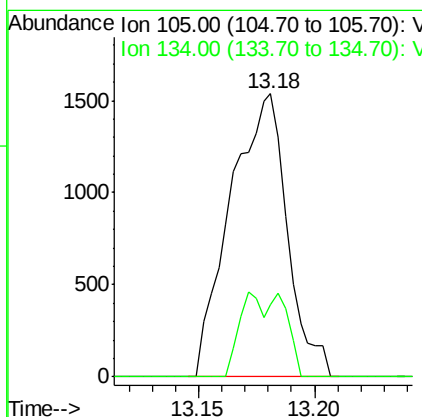
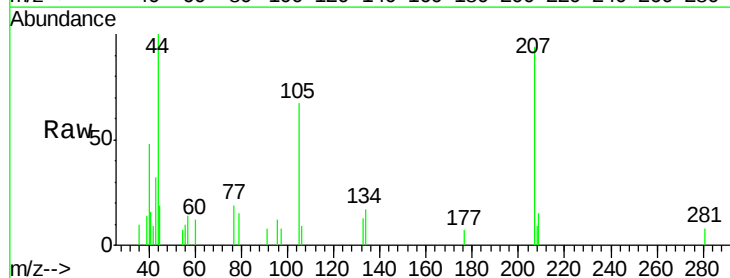
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

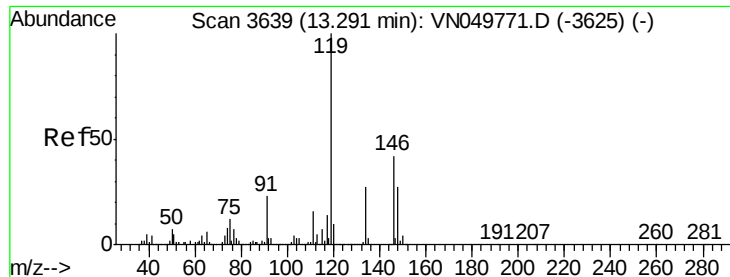
Tot Ion:105 Resp: 2646
 Ion Ratio Lower Upper
 105 100
 120 57.9 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.06 ug/l
 RT: 13.18 min Scan# 3605
 Delta R.T. 0.01 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion:105 Resp: 2616
 Ion Ratio Lower Upper
 105 100
 134 12.5 10.1 30.1

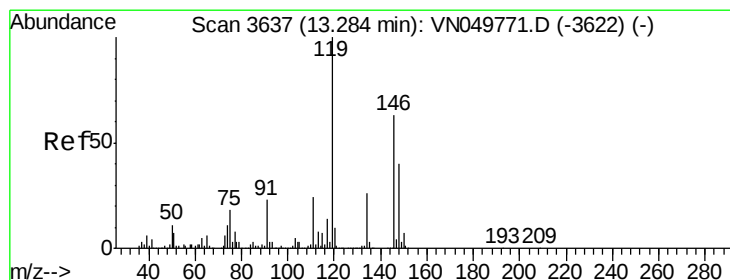
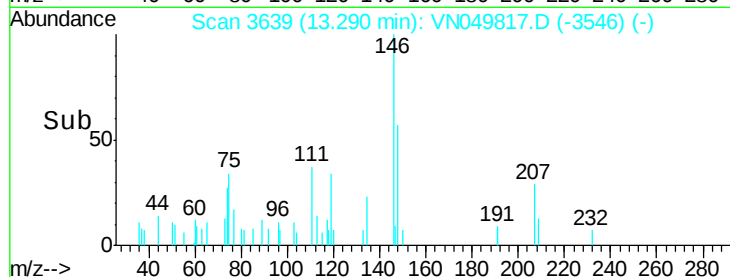
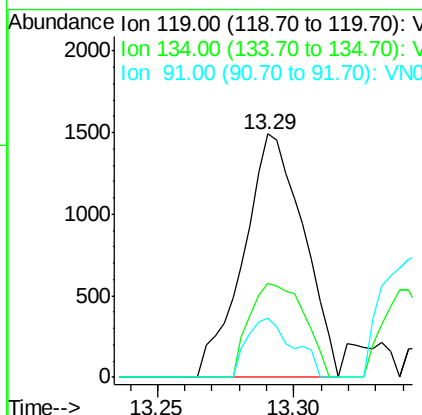
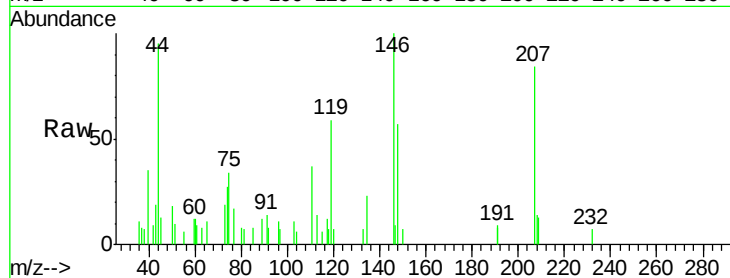




#86
p-Isopropyltoluene
Concen: 0.06 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

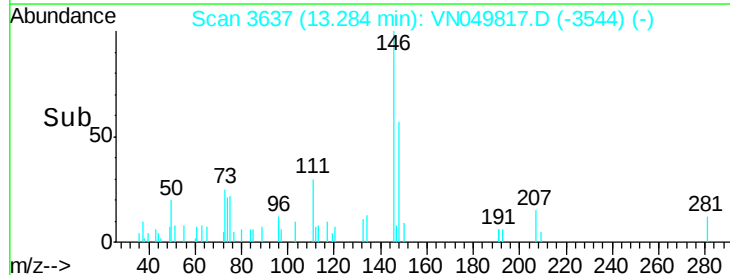
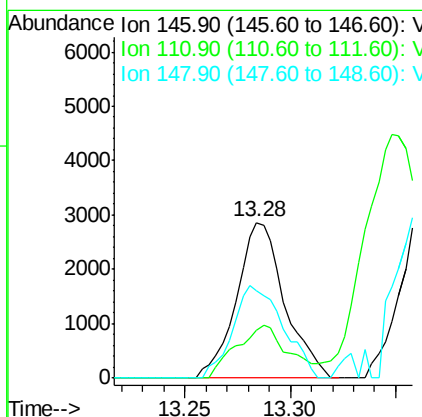
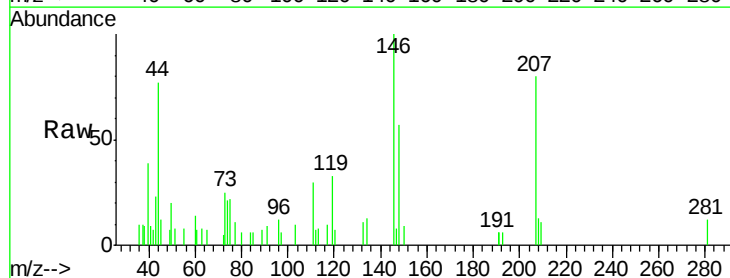
Instrument :
MSVOA_N
ClientSampleId :
PB111069ZHE#14

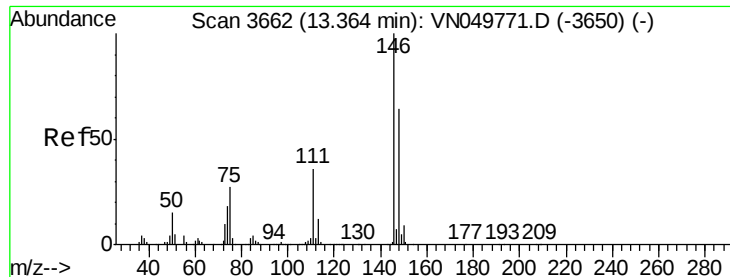
Tot Ion:119 Resp: 2281
Ion Ratio Lower Upper
119 100
134 35.2 13.3 39.9
91 18.6 11.4 34.1



#87
1,3-Dichlorobenzene
Concen: 0.21 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN049817.D
Acq: 14 Jul 2018 00:47

Tgt Ion:146 Resp: 4541
Ion Ratio Lower Upper
146 100
111 37.4 19.0 57.0
148 62.1 32.5 97.5

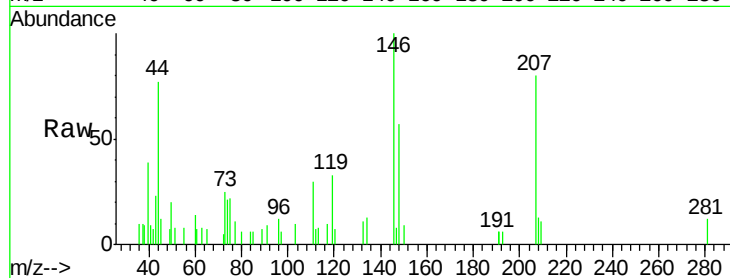




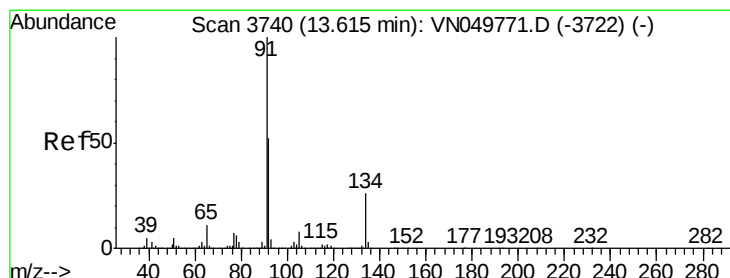
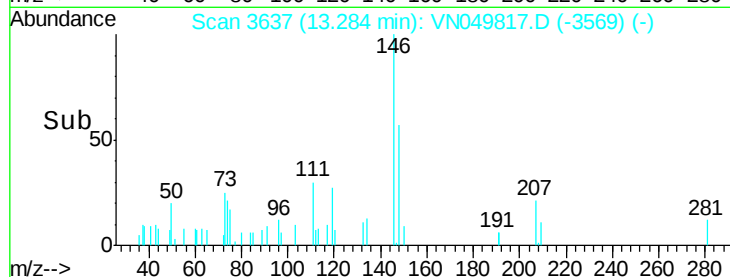
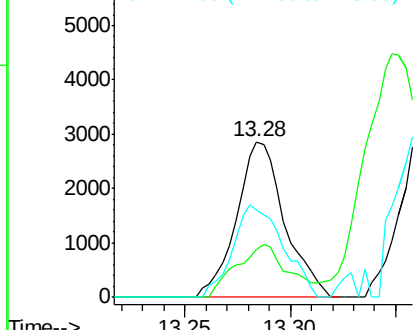
#88
 1,4-Dichlorobenzene
 Concen: 0.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111069ZHE#14

Tot Ion:146 Resp: 4541
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.5
 148 62.1 32.1 96.3

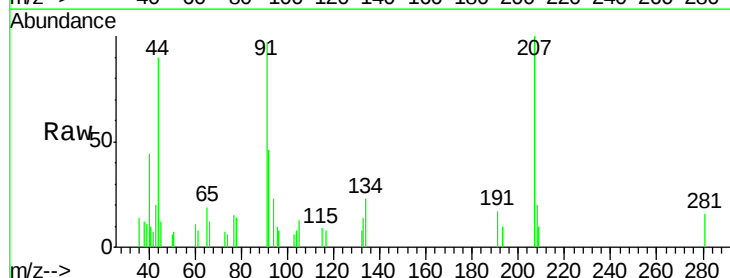


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

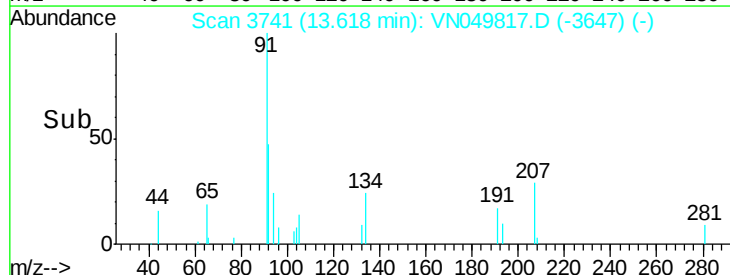
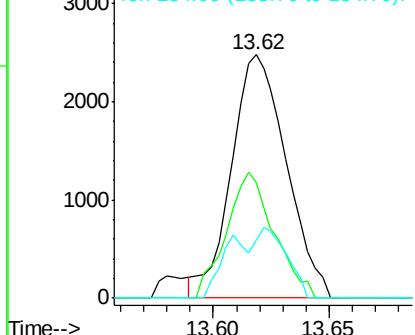


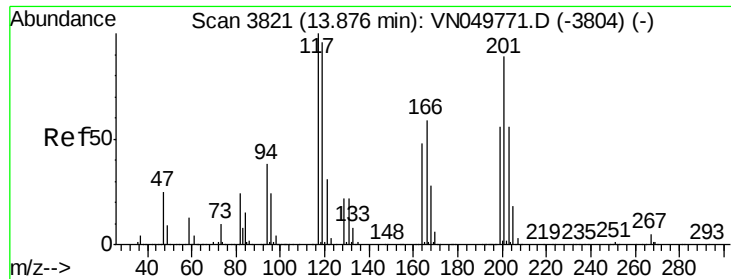
#89
 n-Butylbenzene
 Concen: 0.13 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN049817.D
 Acq: 14 Jul 2018 00:47

Tgt Ion: 91 Resp: 4073
 Ion Ratio Lower Upper
 91 100
 92 44.8 25.8 77.3
 134 16.8 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.86 min Scan# 3817

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

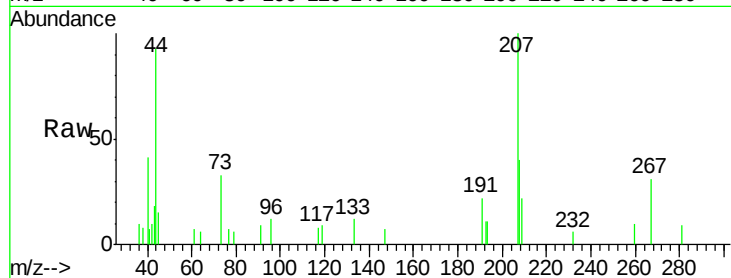
PB111069ZHE#14

Tot Ion:117 Resp: 220

Ion Ratio Lower Upper

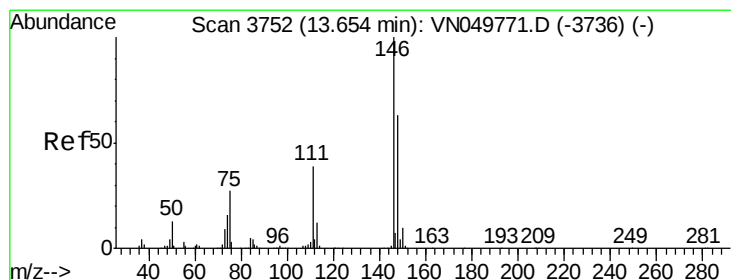
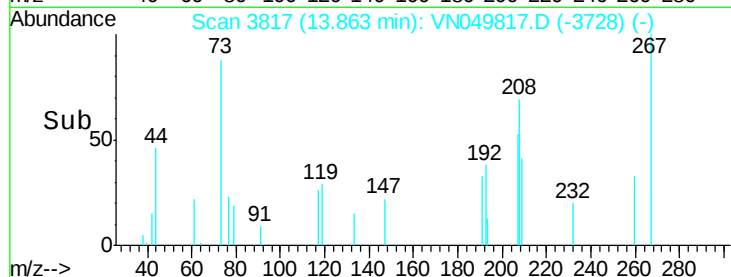
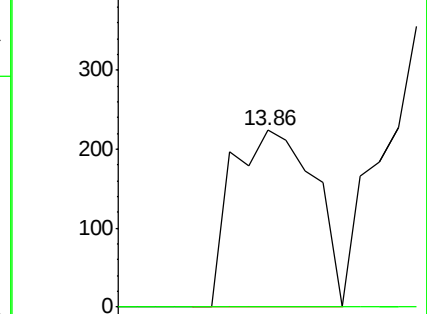
117 100

201 0.0 45.3 135.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.16 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

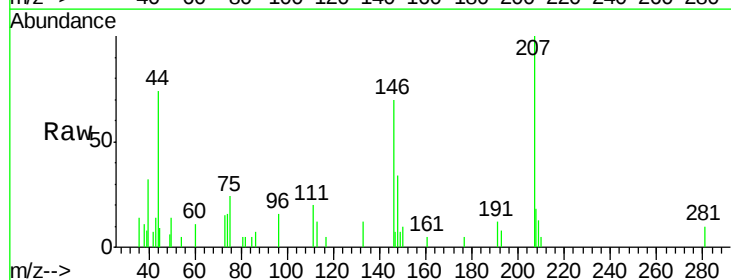
Tgt Ion:146 Resp: 3360

Ion Ratio Lower Upper

146 100

111 42.0 19.7 59.1

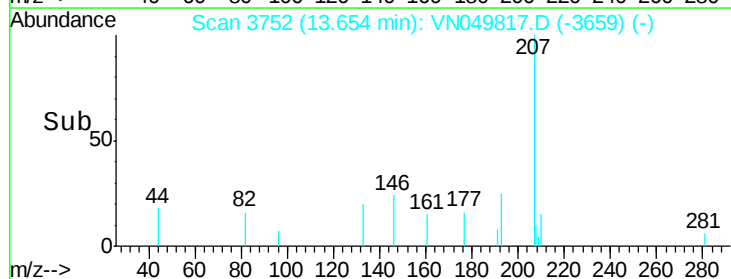
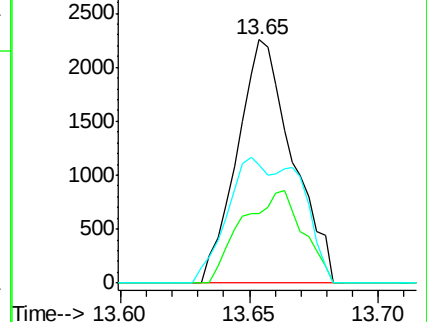
148 38.0 32.0 96.2

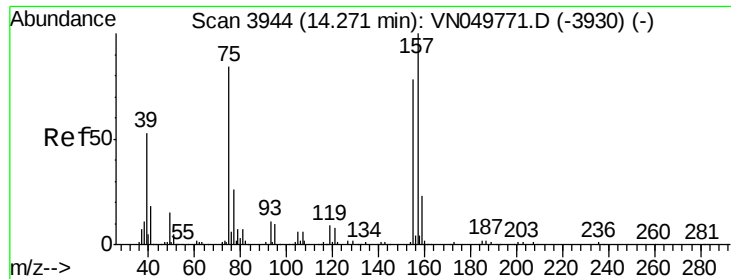


Abundance Ion 145.90 (145.60 to 146.60): V

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: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

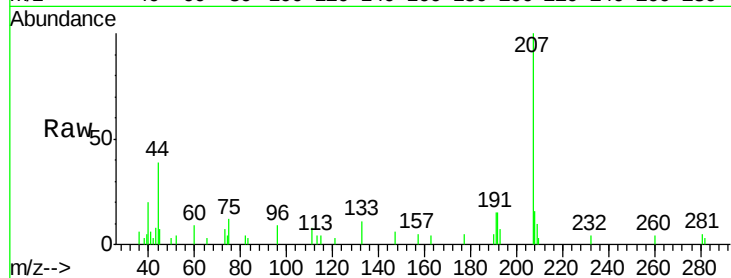
Tot Ion: 75 Resp: 319

Ion Ratio Lower Upper

75 100

155 75.9 45.7 137.1

157 128.5 56.9 170.7

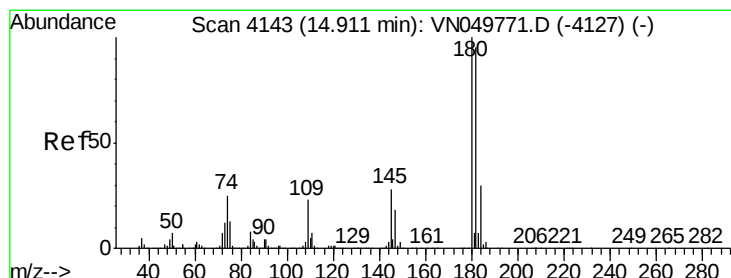
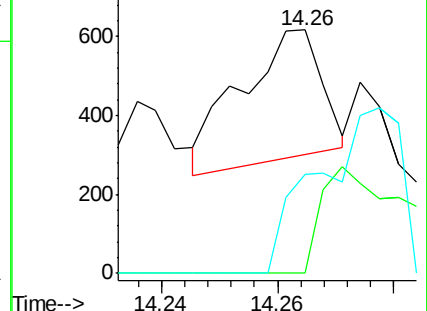
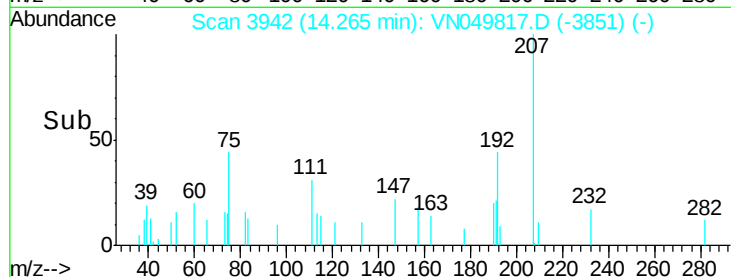


Abundance Ion 74.90 (74.60 to 75.60): VN049817.D (-3930) (-)

Ion 154.80 (154.50 to 155.50): VN049817.D (-3930) (-)

Ion 156.80 (156.50 to 157.50): VN049817.D (-3930) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.34 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

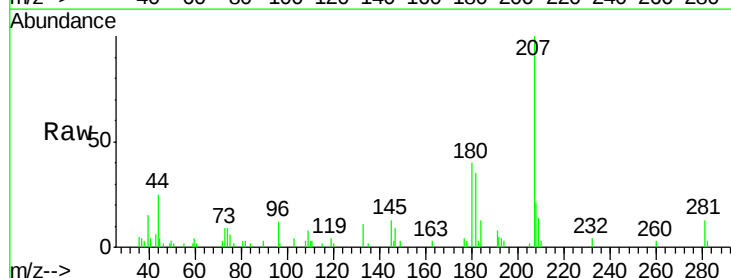
Tgt Ion: 180 Resp: 5519

Ion Ratio Lower Upper

180 100

182 98.7 47.3 141.9

145 34.2 14.4 43.0

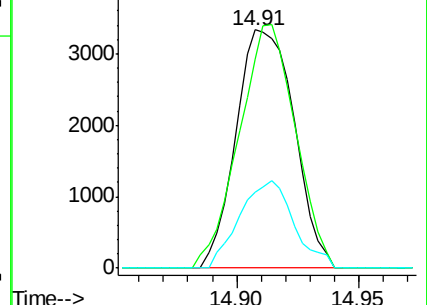
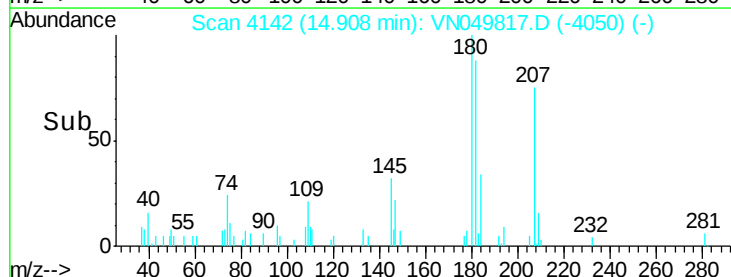


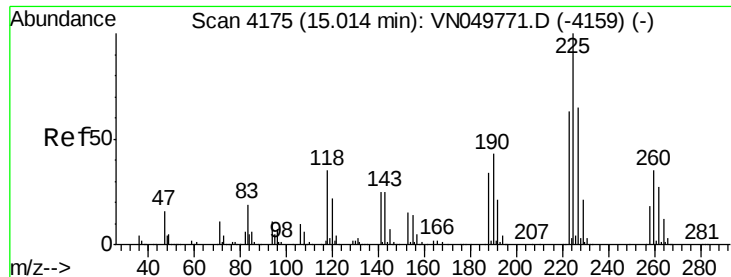
Abundance Ion 179.80 (179.50 to 180.50): VN049817.D (-4127) (-)

Ion 181.80 (181.50 to 182.50): VN049817.D (-4127) (-)

Ion 144.80 (144.50 to 145.50): VN049817.D (-4127) (-)

Time-->





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4173

Delta R.T. -0.01 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

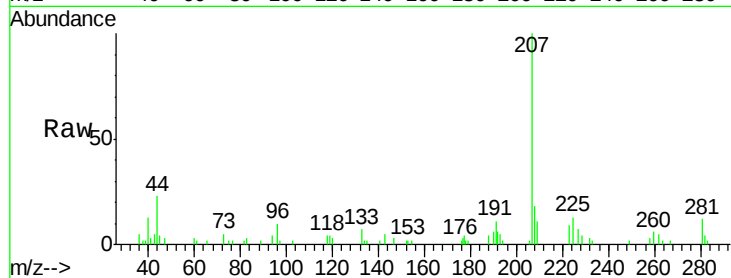
Tot Ion:225 Resp: 2013

Ion Ratio Lower Upper

225 100

223 73.7 30.9 92.7

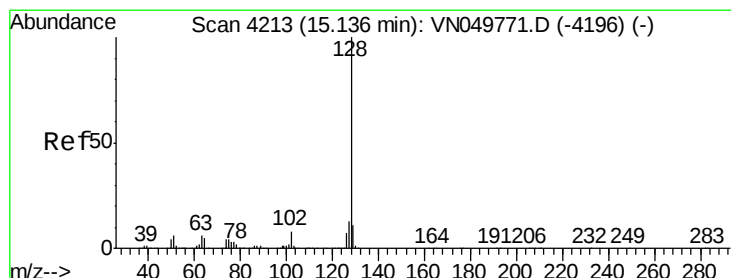
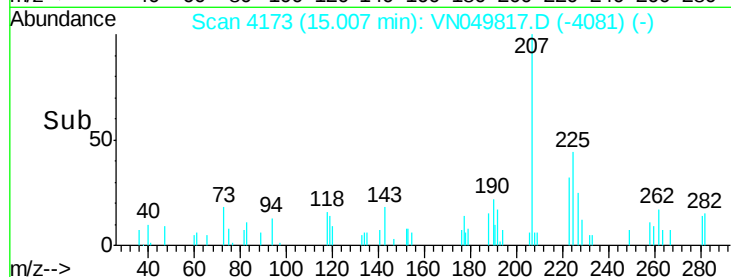
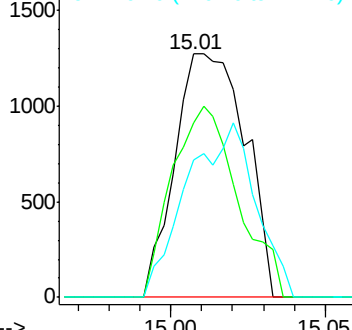
227 70.1 31.8 95.4



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: 4.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

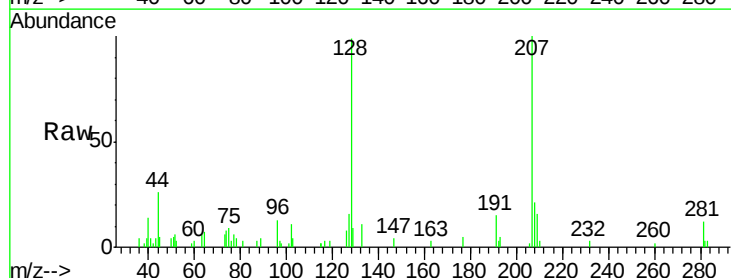
Tgt Ion:128 Resp: 15007

Ion Ratio Lower Upper

128 100

127 15.2 10.4 15.6

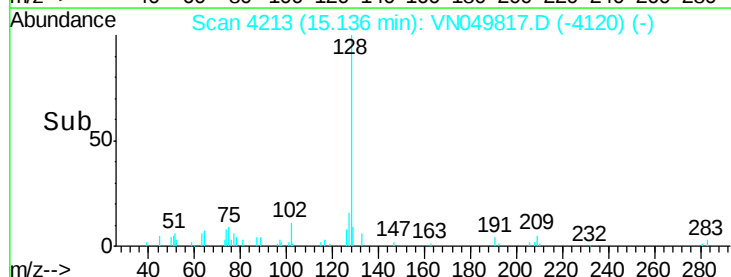
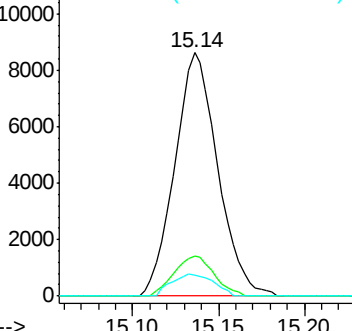
129 8.9 8.6 13.0

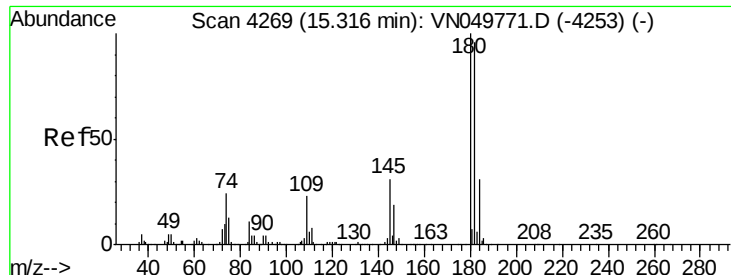


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 0.63 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049817.D

Acq: 14 Jul 2018 00:47

Instrument :

MSVOA_N

ClientSampleId :

PB111069ZHE#14

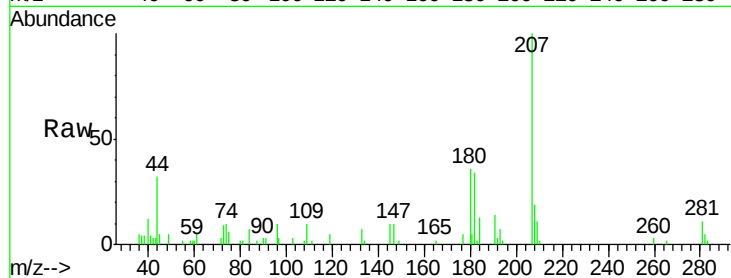
Tot Ion:180 Resp: 6434

Ion Ratio Lower Upper

180 100

182 97.5 47.4 142.2

145 28.7 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

