

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063916.D
 Acq On : 7 Oct 2020 1:29
 Operator : JC/MD
 Sample : PB132064ZHE#18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132064ZHE#18

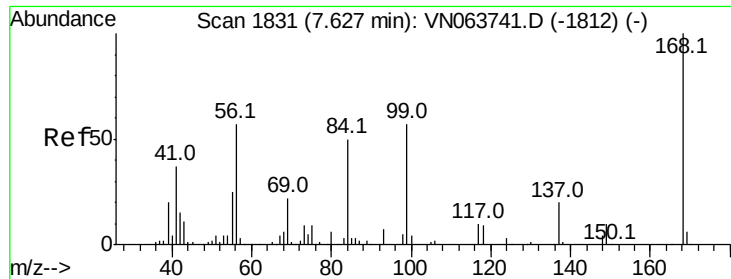
Quant Time: Oct 07 05:40:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	424913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	437621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	203230	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.55	113	145067	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.06	98	544840	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	213020	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	1340	1.111	ug/l	97
17) Carbon Disulfide	4.02	76	1148	0.876	ug/l #	76
20) Methylene Chloride	4.50	84	4150	1.598	ug/l	95
29) Tetrahydrofuran	7.16	42	640	0.558	ug/l #	58
31) Cyclohexane	7.63	56	6678	1.469	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	22415	5.207	ug/l #	50
38) Carbon Tetrachloride	7.62	117	26532	5.496	ug/l #	14
41) Methacrylonitrile	7.16	41	622	0.327	ug/l #	36
74) N-amyl acetate	12.05	43	426	2.283	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	118383	30.014	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118383	86.444	ug/l #	6
95) Naphthalene	15.10	128	62	1.931	ug/l #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Instrument :

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ClientSampleId :

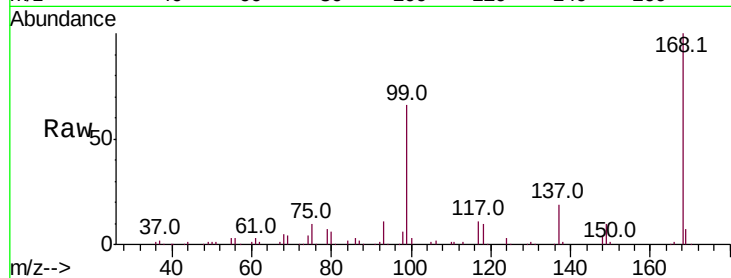
PB132064ZHE#18

Tot Ion:168 Resp: 237075

Ion Ratio Lower Upper

168 100

99 66.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

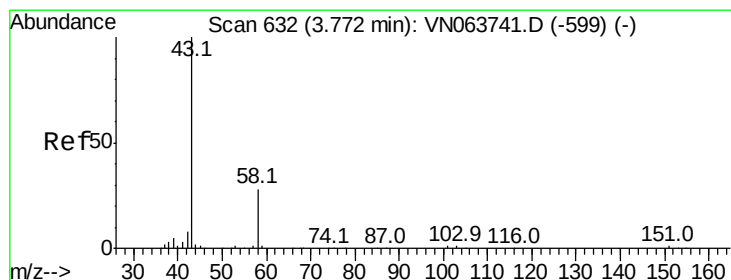
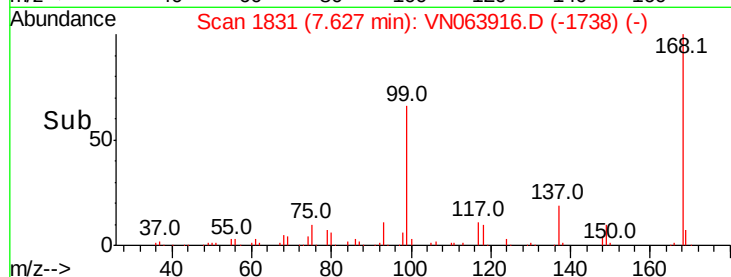
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 1.111 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063916.D

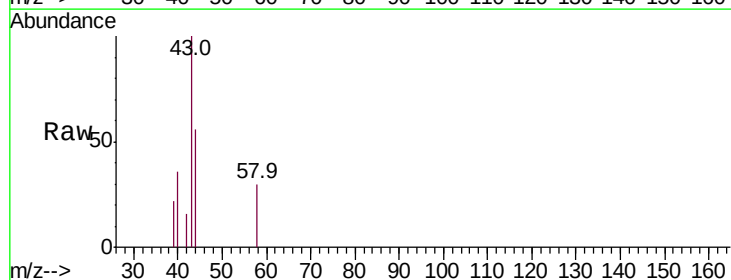
Acq: 7 Oct 2020 1:29

Tgt Ion: 43 Resp: 1340

Ion Ratio Lower Upper

43 100

58 29.7 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

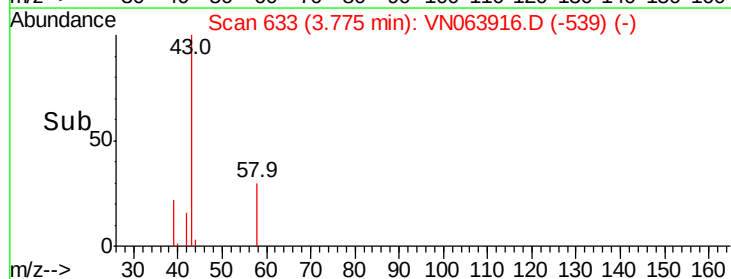
1500

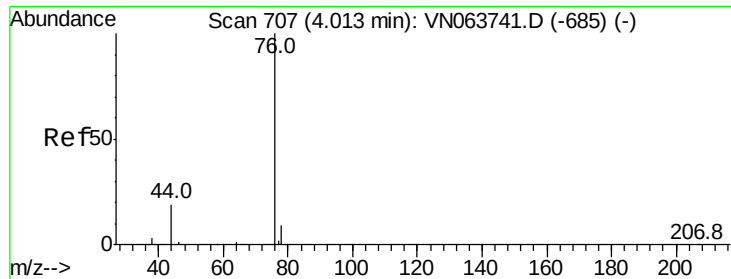
1000

500

0

Time--> 3.72 3.74 3.76 3.78





#17

Carbon Disulfide

Concen: 0.876 ug/l

RT: 4.02 min Scan# 709

Delta R.T. 0.01 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Instrument :

MSVOA_N

ClientSampleId :

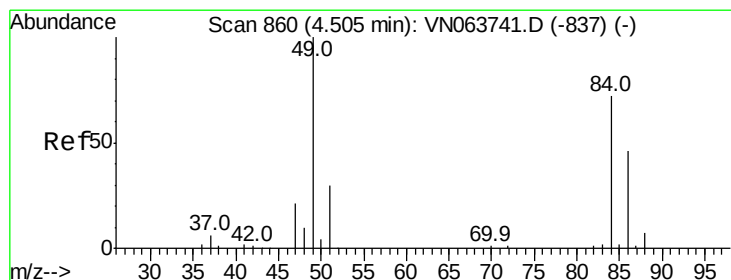
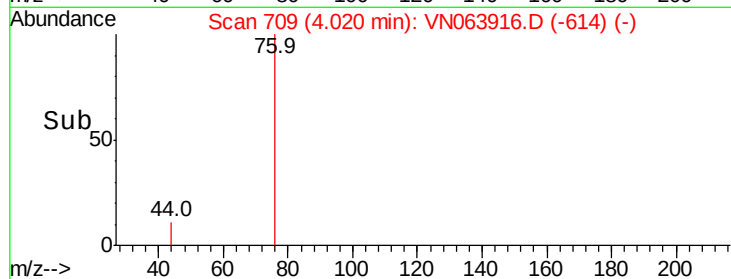
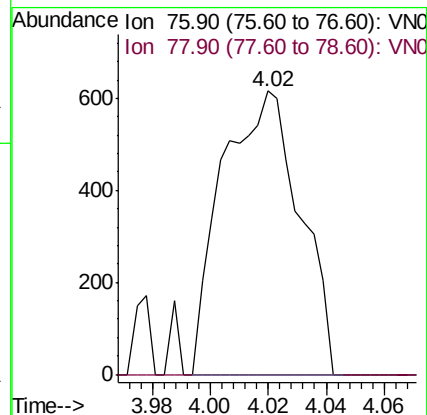
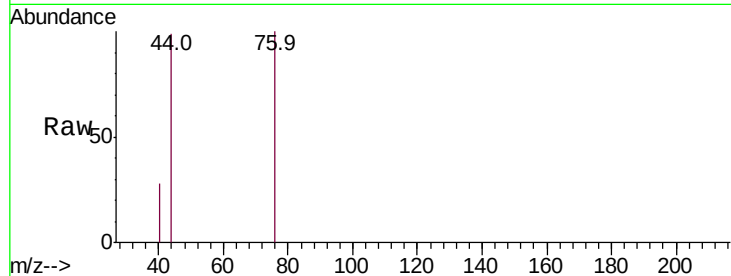
PB132064ZHE#18

Tot Ion: 76 Resp: 1148

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#20

Methylene Chloride

Concen: 1.598 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Tgt Ion: 84 Resp: 4150

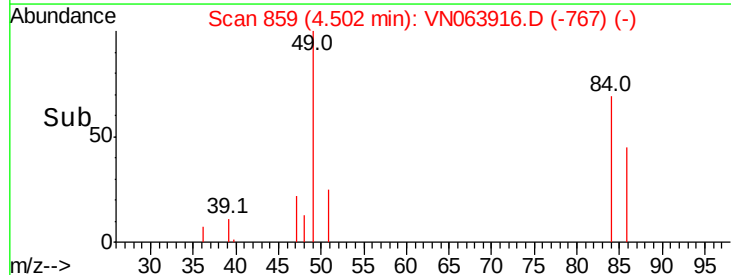
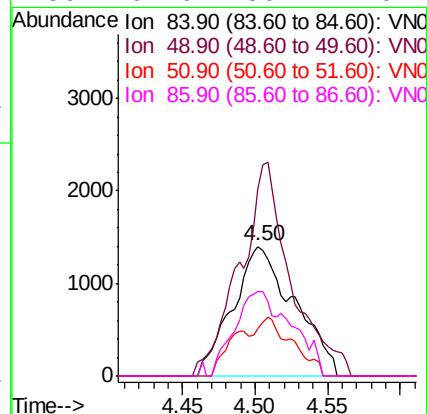
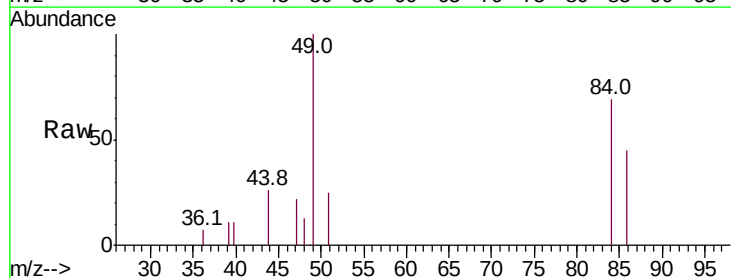
Ion Ratio Lower Upper

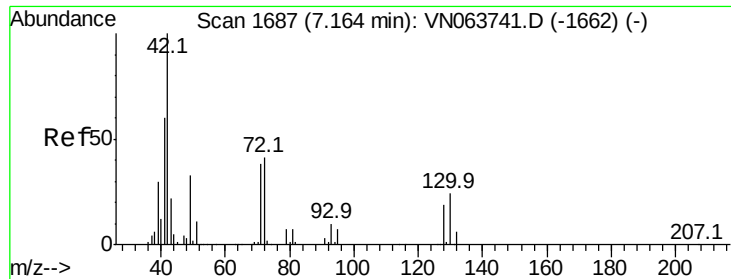
84 100

49 143.9 110.4 165.6

51 36.3 33.3 49.9

86 64.6 50.7 76.1





#29

Tetrahydrofuran

Concen: 0.558 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Instrument :

MSVOA_N

ClientSampleId :

PB132064ZHE#18

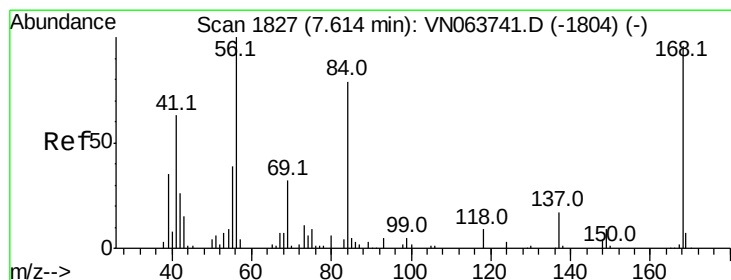
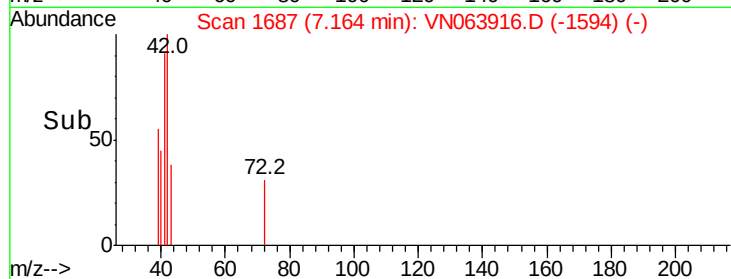
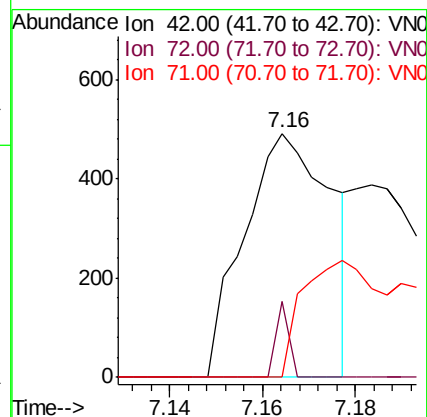
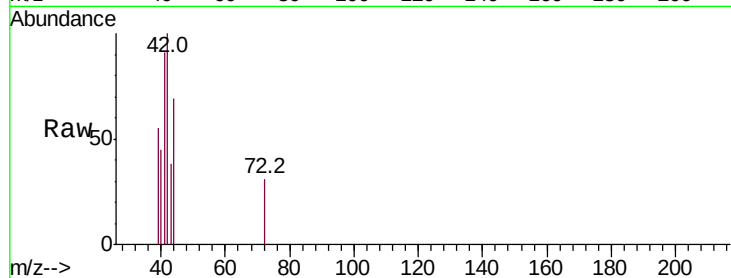
Tot Ion: 42 Resp: 640

Ion Ratio Lower Upper

42 100

72 4.5 32.8 49.2#

71 52.7 30.6 45.8#



#31

Cyclohexane

Concen: 1.469 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

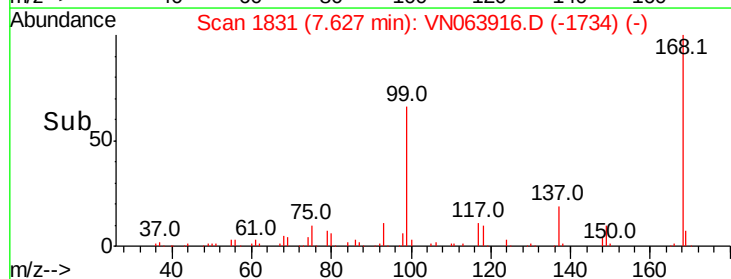
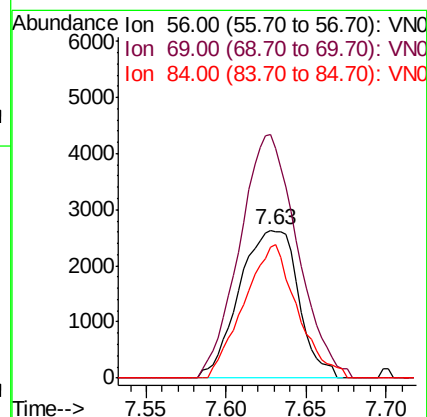
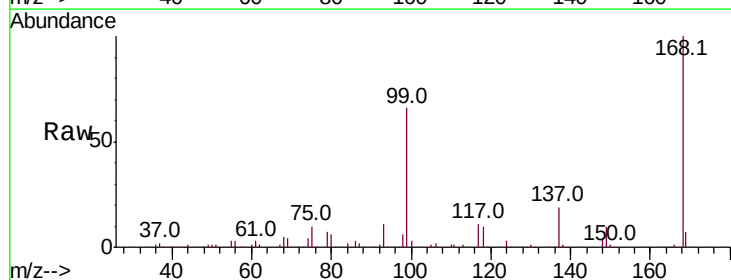
Tgt Ion: 56 Resp: 6678

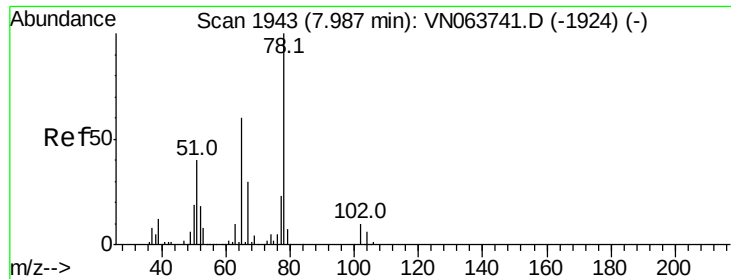
Ion Ratio Lower Upper

56 100

69 164.9 25.4 38.2#

84 88.6 63.3 94.9

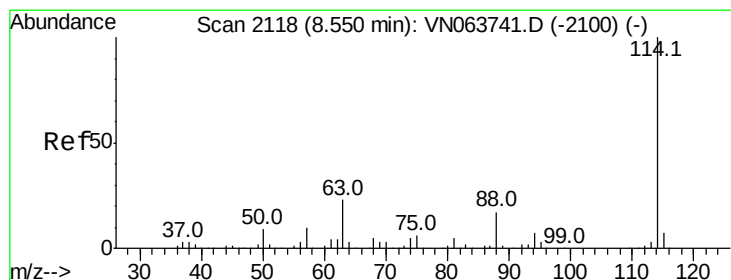
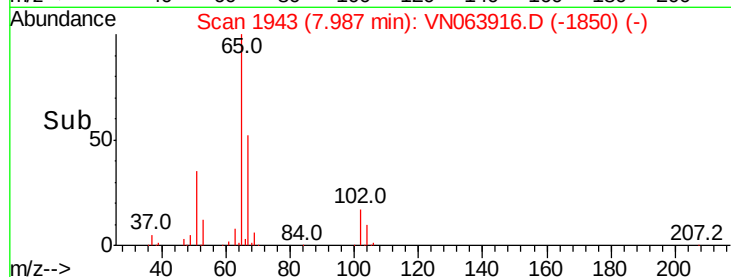
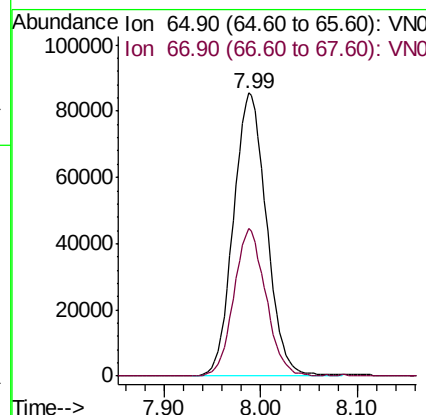
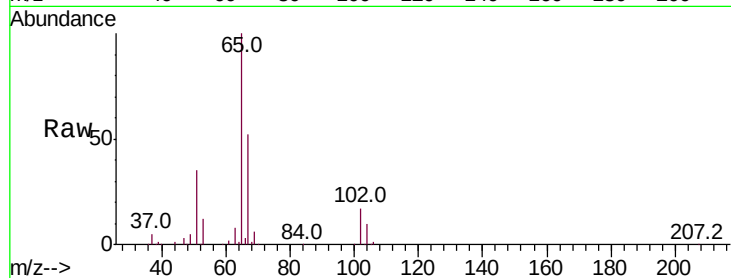




#33
 1,2-Dichloroethane-d4
 Concen: 51.889 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

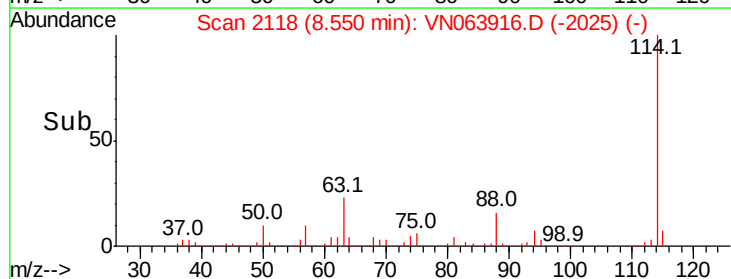
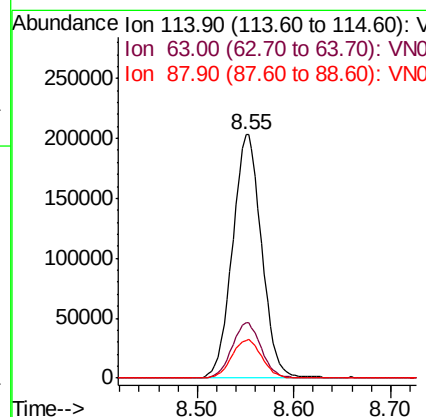
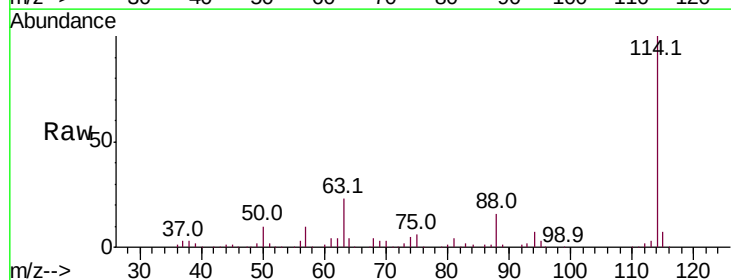
Instrument :
 MSVOA_N
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 PB132064ZHE#18

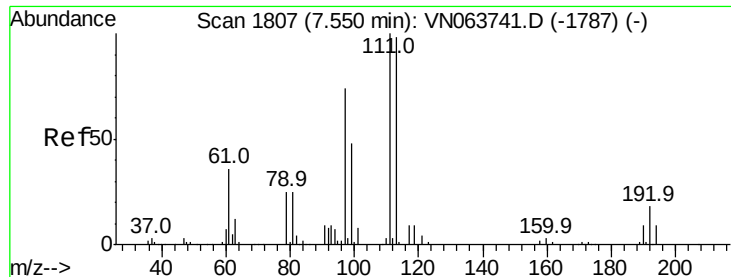
Tot Ion: 65 Resp: 203230
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

Tgt Ion: 114 Resp: 424913
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 45.0
 88 15.7 0.0 34.0

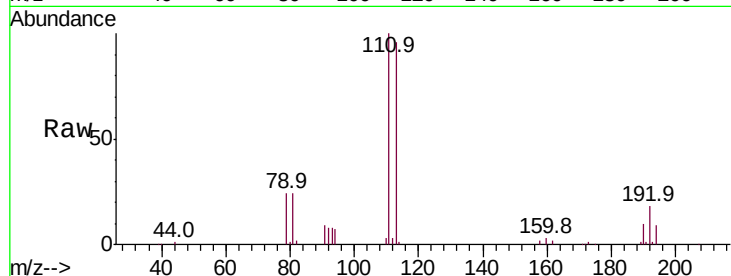




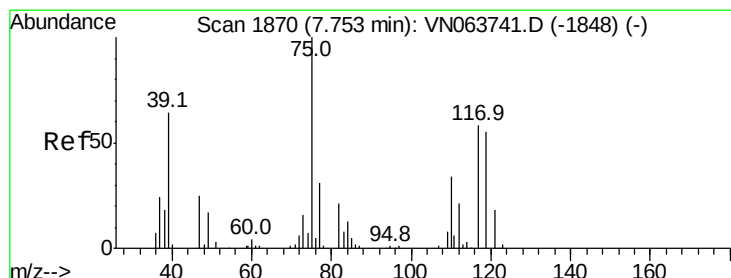
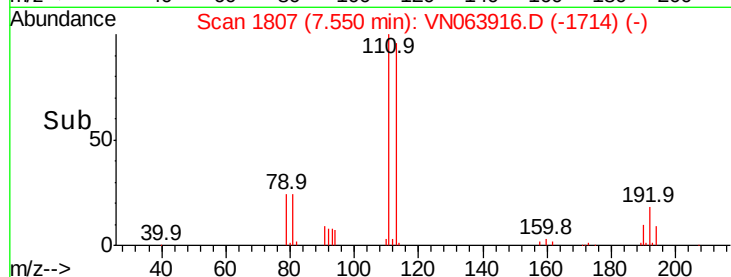
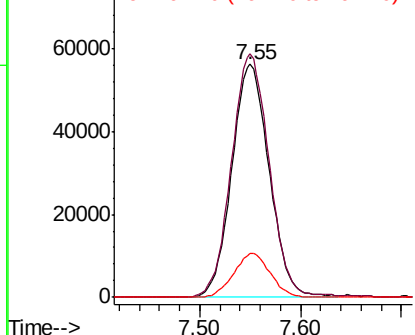
#35
 Dibromofluoromethane
 Concen: 49.202 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132064ZHE#18

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	81.8	122.8
192	18.3	14.2	21.2

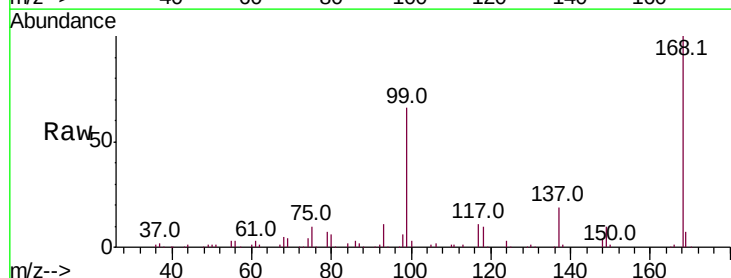


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

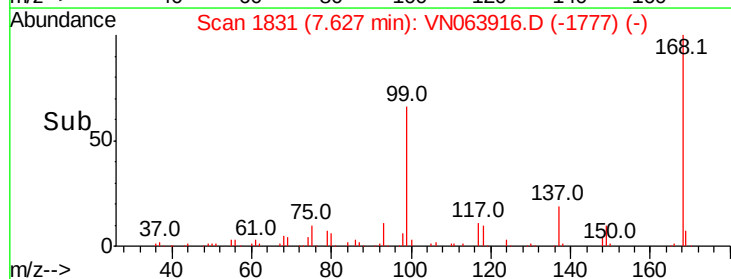
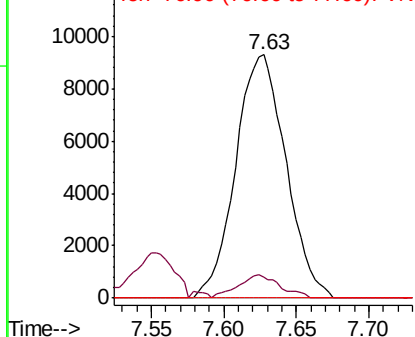


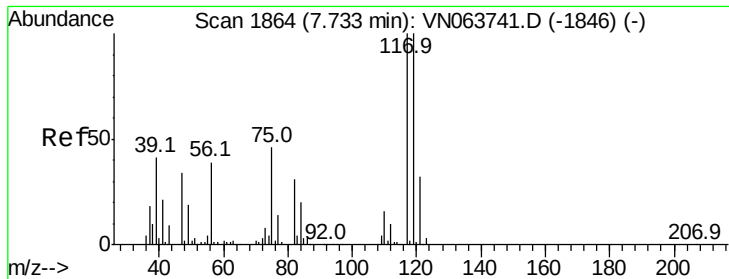
#36
 1,1-Dichloropropene
 Concen: 5.207 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.9	50.6#
77	0.0	24.5	36.7#



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





#38

Carbon Tetrachloride

Concen: 5.496 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Instrument :

MSVOA_N

ClientSampleId :

PB132064ZHE#18

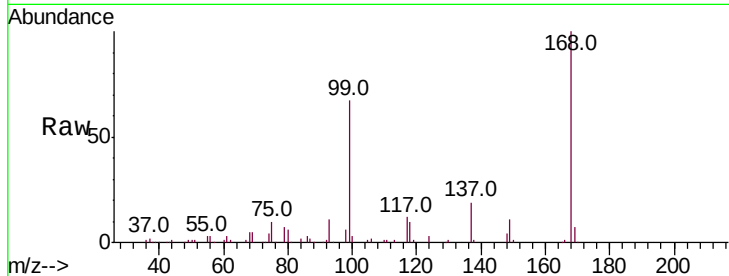
Tot Ion:117 Resp: 26532

Ion Ratio Lower Upper

117 100

119 4.5 80.1 120.1#

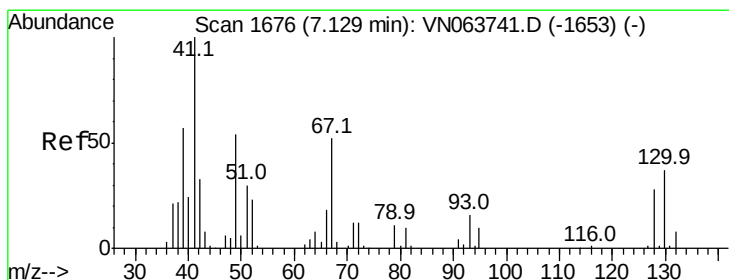
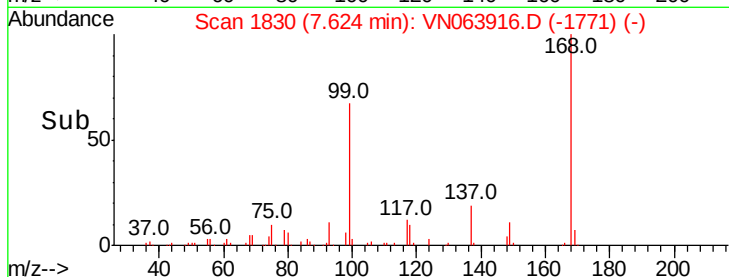
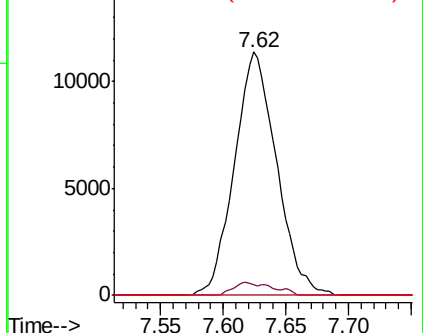
121 0.0 25.7 38.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.327 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.04 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Tgt Ion: 41 Resp: 622

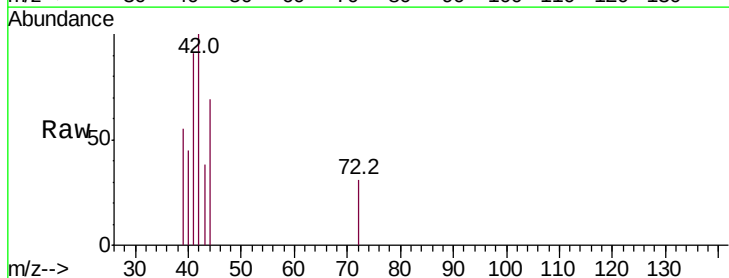
Ion Ratio Lower Upper

41 100

39 78.6 42.5 63.7#

67 0.0 57.4 86.2#

52 0.0 26.9 40.3#

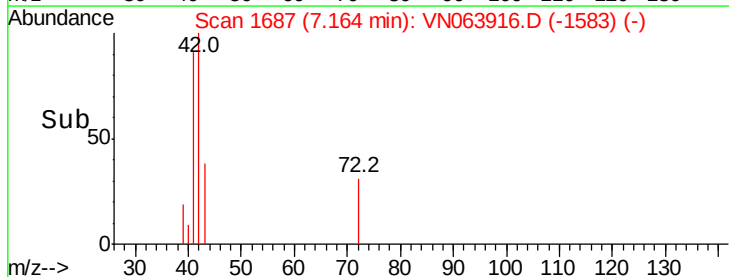
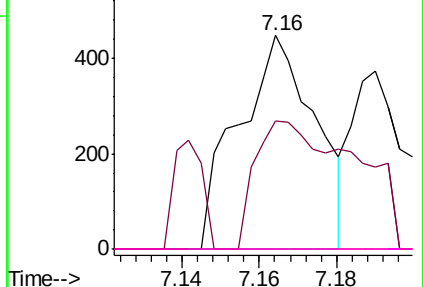


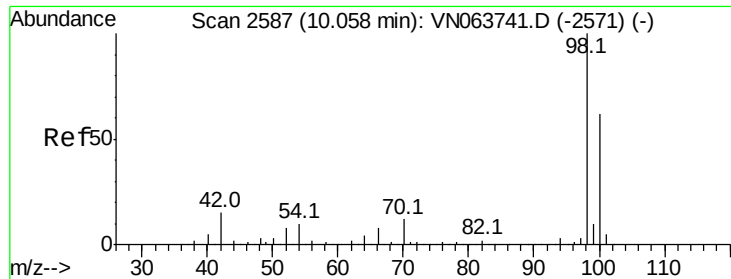
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#50

Toluene-d8

Concen: 48.747 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

Instrument :

MSVOA_N

ClientSampleId :

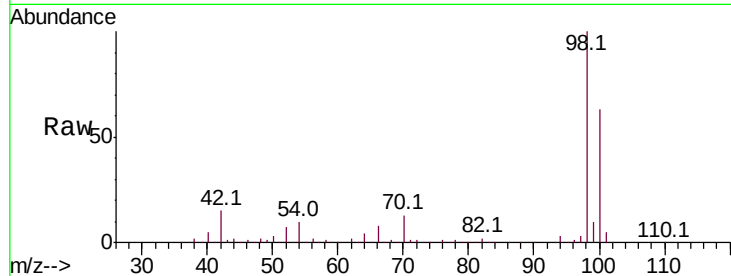
PB132064ZHE#18

Tot Ion: 98 Resp: 544840

Ion Ratio Lower Upper

98 100

100 63.4 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063916.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063916.D (-2571) (-)

10.06

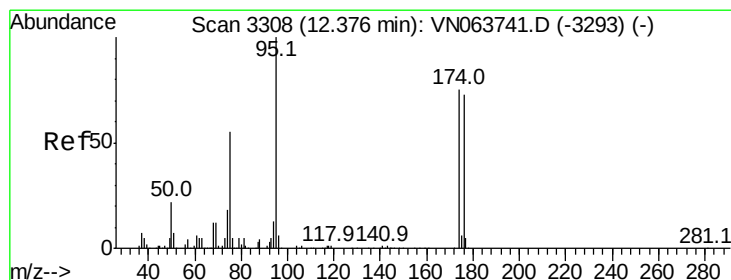
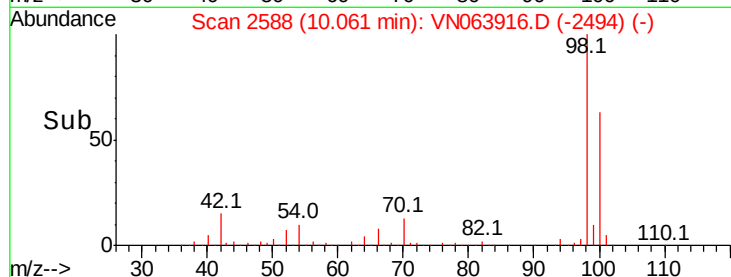
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.701 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063916.D

Acq: 7 Oct 2020 1:29

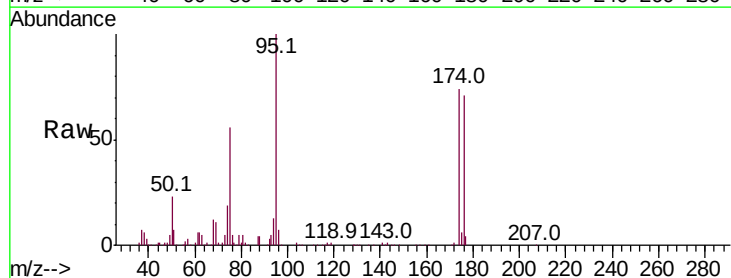
Tgt Ion: 95 Resp: 213020

Ion Ratio Lower Upper

95 100

174 74.4 0.0 150.6

176 71.6 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063916.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063916.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063916.D (-3215) (-)

12.38

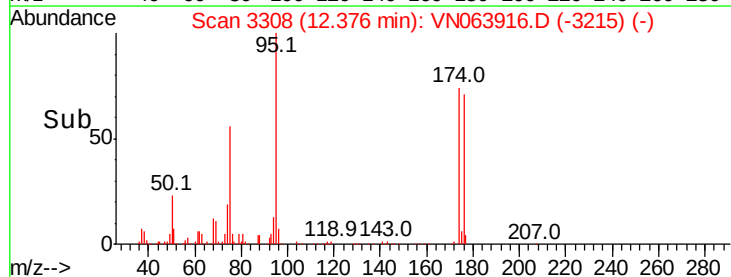
150000

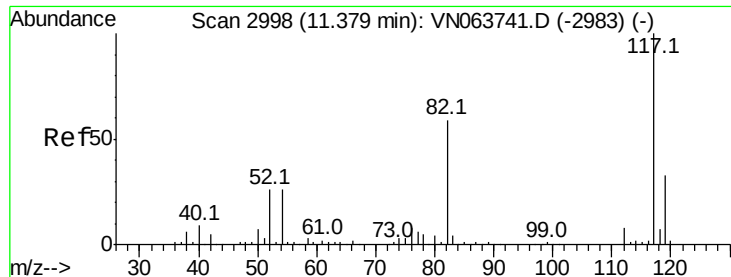
100000

50000

0

Time-->

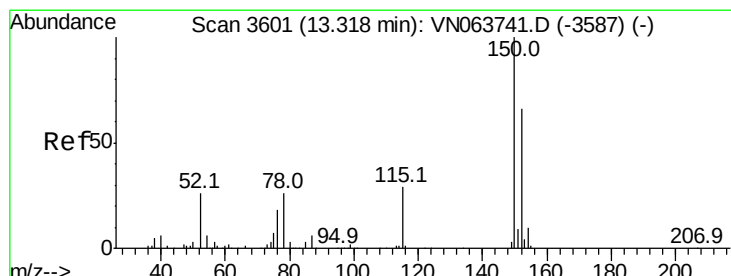
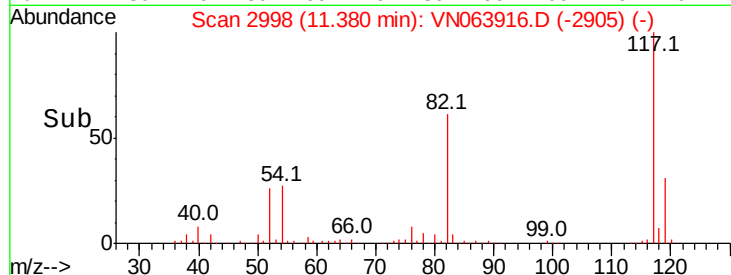
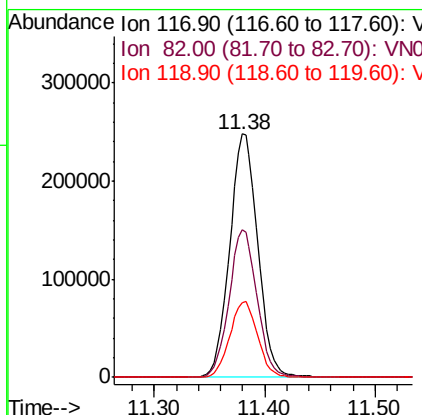
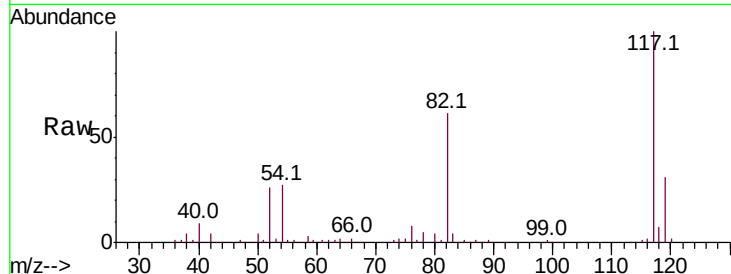




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. 0.00 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

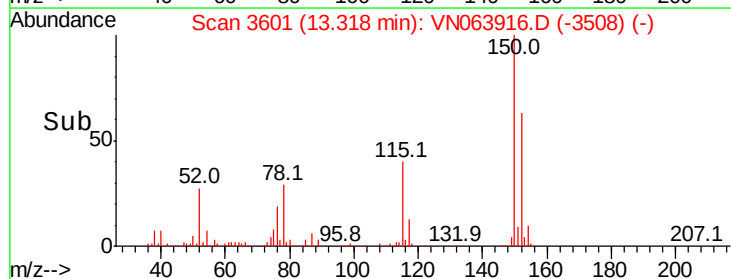
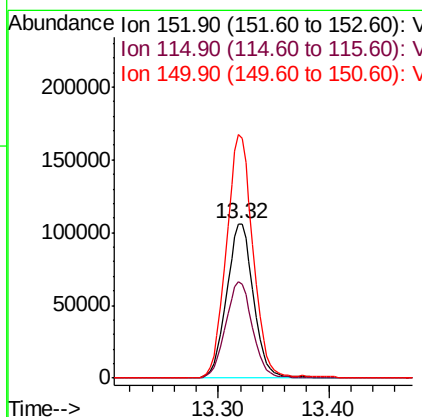
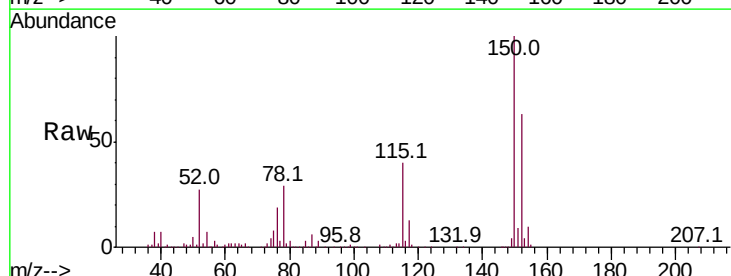
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132064ZHE#18

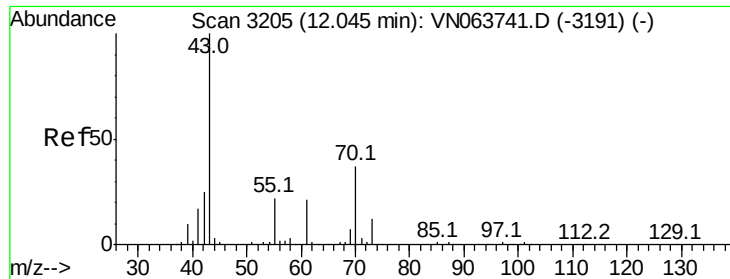
Tot Ion:	117	Resp:	437621
Ion	Ratio	Lower	Upper
117	100		
82	60.9	47.4	71.2
119	30.8	26.4	39.6



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063916.D
 Acq: 7 Oct 2020 1:29

Tgt Ion:	152	Resp:	178930
Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.8
150	155.6	0.0	341.8

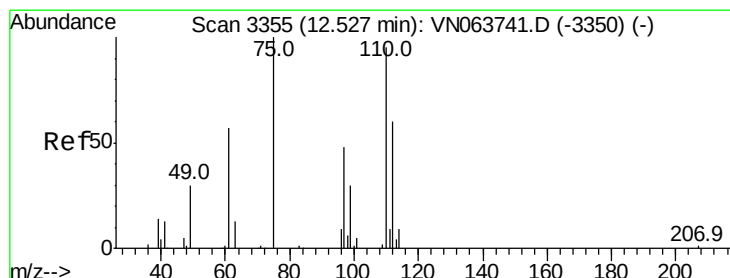
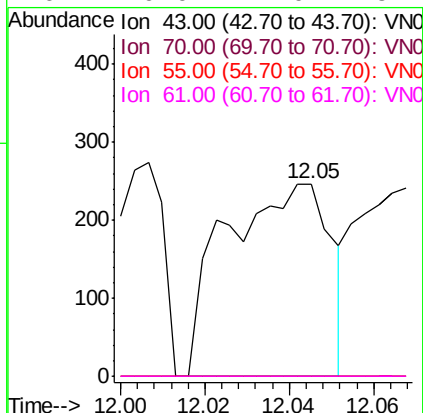
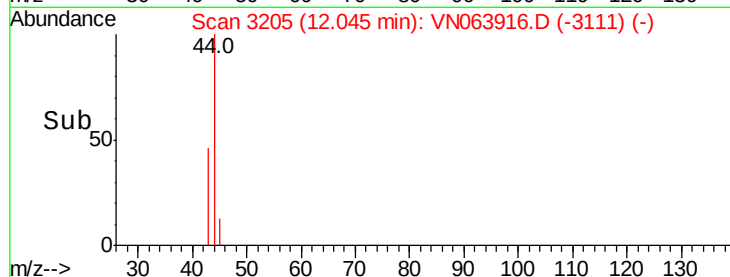
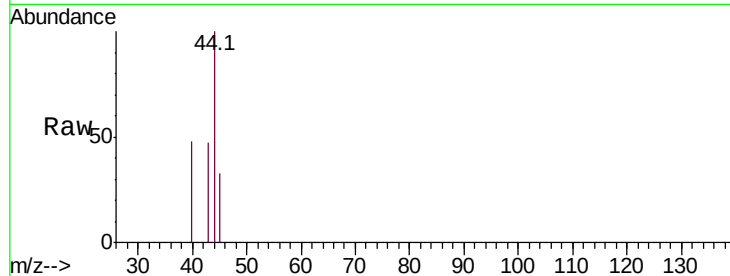




#74
N-amvl acetate
Concen: 2.283 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063916.D
Acq: 7 Oct 2020 1:29

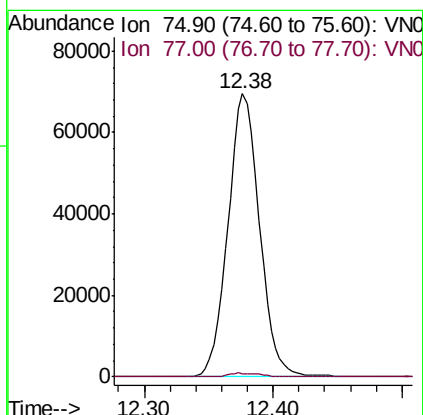
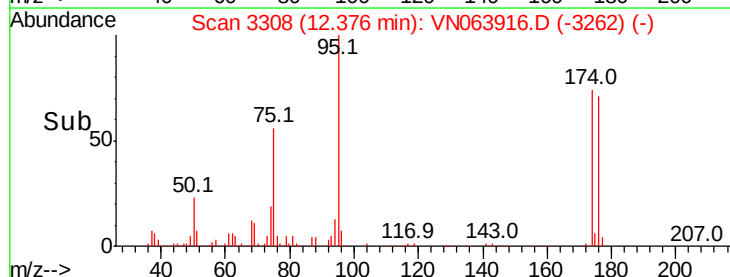
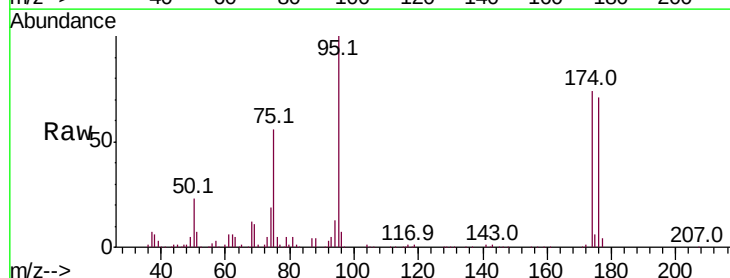
Instrument :
MSVOA_N
ClientSampleId :
PB132064ZHE#18

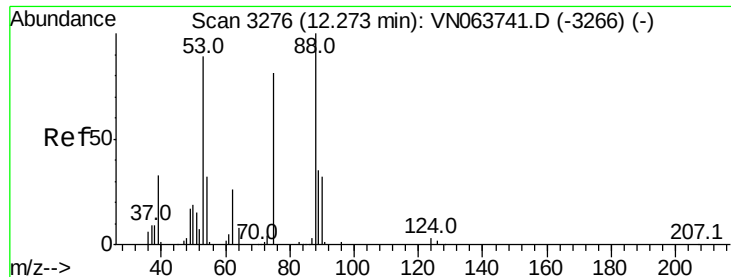
Tot Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.8#
55 0.0 17.9 26.9#
61 0.0 17.0 25.4#



#76
1,2,3-Trichloropropane
Concen: 30.014 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN063916.D
Acq: 7 Oct 2020 1:29

Tgt Ion: 75 Resp: 118383
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

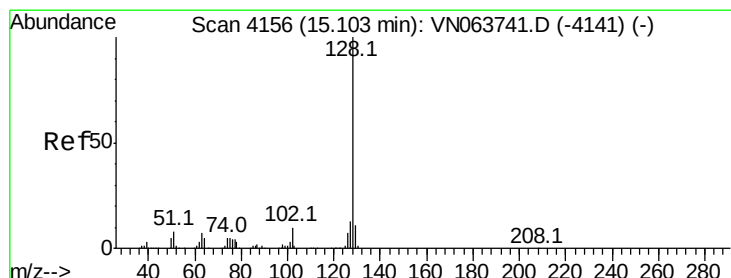
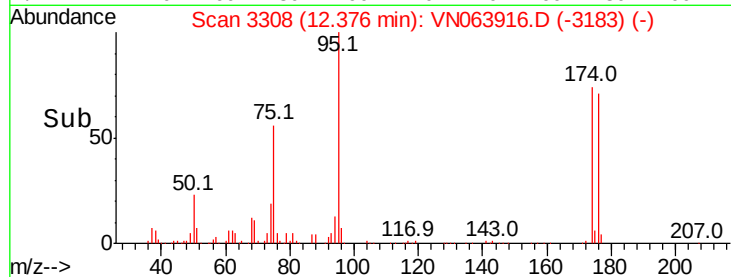
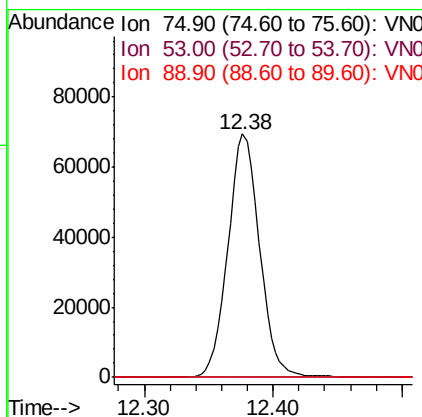
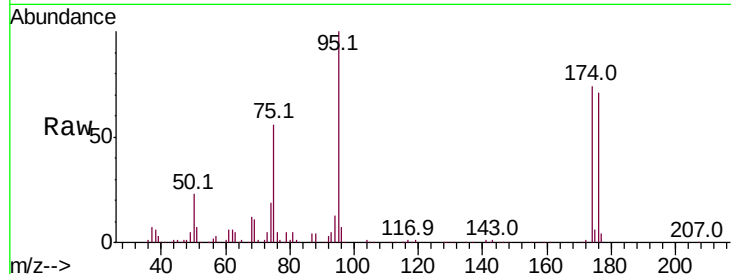




#81
trans-1,4-Dichloro-2-butene
Concen: 86.444 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN063916.D
Acq: 7 Oct 2020 1:29

Instrument :
MSVOA_N
ClientSampleId :
PB132064ZHE#18

Tot Ion: 75 Resp: 118383
Ion Ratio Lower Upper
75 100
53 0.0 88.2 132.2#
89 0.2 36.0 54.0#



#95
Naphthalene
Concen: 1.931 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN063916.D
Acq: 7 Oct 2020 1:29

Tgt Ion: 128 Resp: 62
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

