

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064300.D
 Acq On : 23 Oct 2020 21:15
 Operator : JC/MD
 Sample : L4488-06 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1576

Quant Time: Oct 26 02:31:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	237447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185988	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	187046	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	
35) Dibromofluoromethane	7.55	113	138875	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.06	98	522955	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.38	95	227276	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	

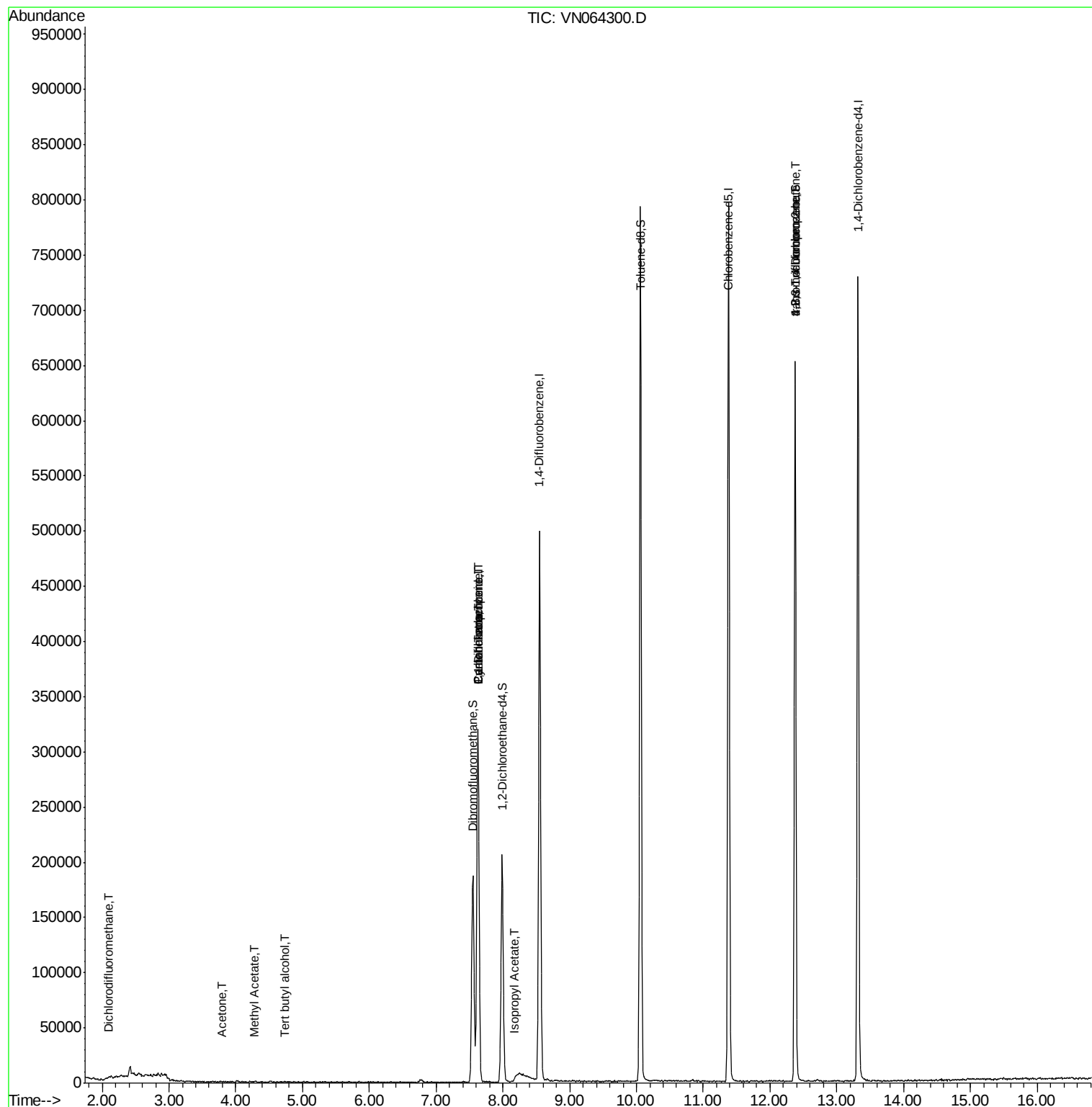
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.09	85	70	0.809	ug/l #	41
11) Tert butyl alcohol	4.74	59	115	0.244	ug/l #	70
16) Acetone	3.79	43	649	0.643	ug/l #	49
18) Methyl Acetate	4.28	43	656	0.255	ug/l #	53
31) Cyclohexane	7.62	56	6348	1.519	ug/l #	44
36) 1,1-Dichloropropene	7.63	75	21295	5.079	ug/l #	49
38) Carbon Tetrachloride	7.63	117	26829	5.624	ug/l #	15
43) Isopropyl Acetate	8.17	43	1601	0.226	ug/l #	57
76) 1,2,3-Trichloropropane	12.38	75	124900	31.855	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124900	80.424	ug/l #	9

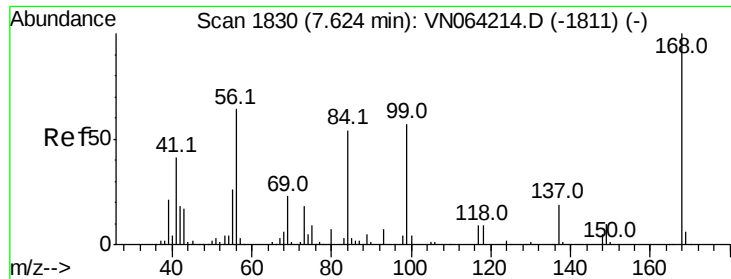
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

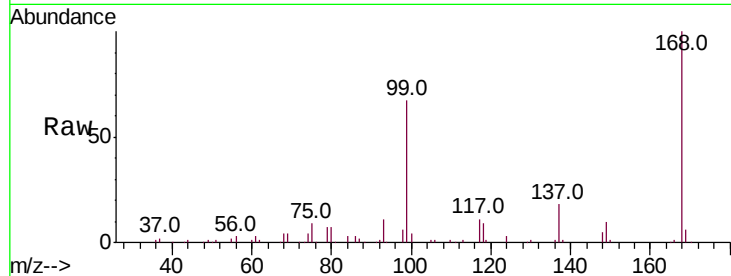
1576

Tot Ion:168 Resp: 237447

Ion Ratio Lower Upper

168 100

99 66.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

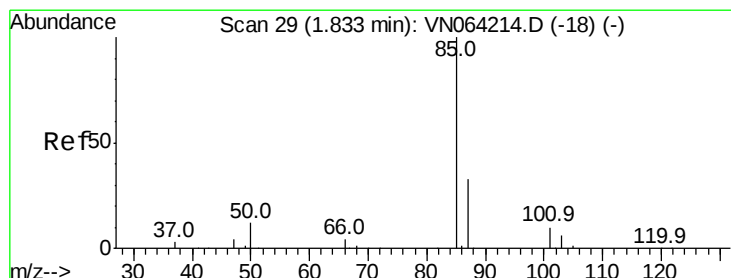
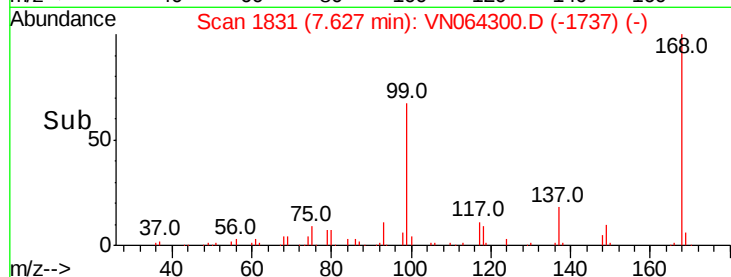
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.809 ug/l

RT: 2.09 min Scan# 109

Delta R.T. 0.26 min

Lab File: VN064300.D

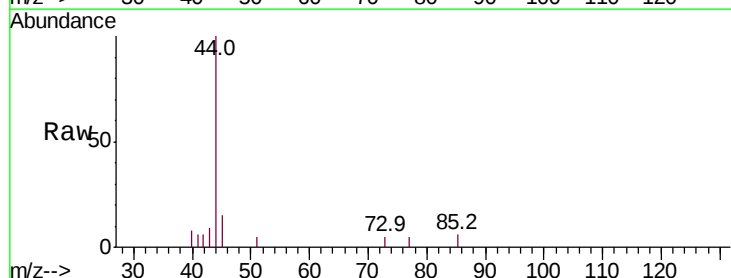
Acq: 23 Oct 2020 21:15

Tgt Ion: 85 Resp: 70

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

2.09

200

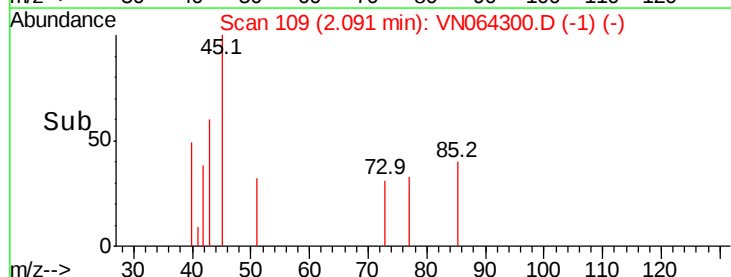
150

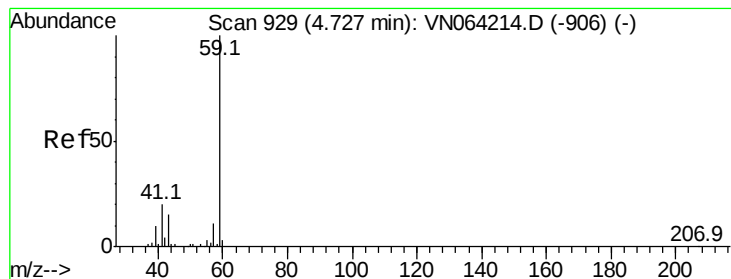
100

50

0

Time--> 2.08 2.09 2.10





#11

Tert butyl alcohol

Concen: 0.244 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.01 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

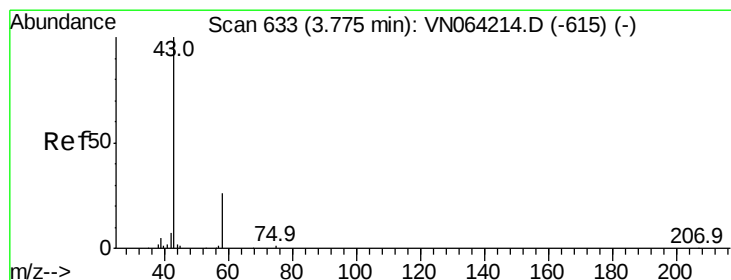
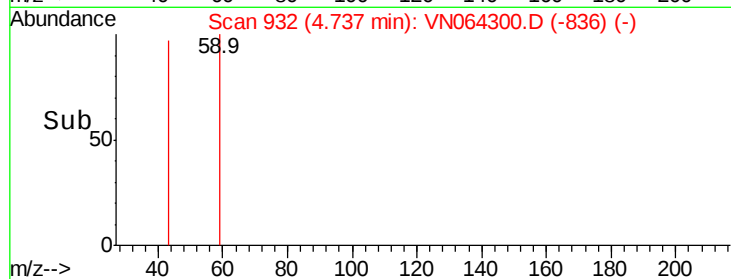
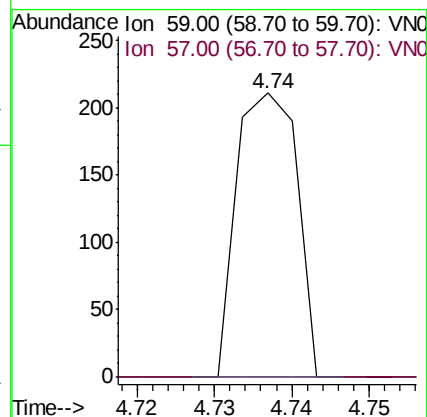
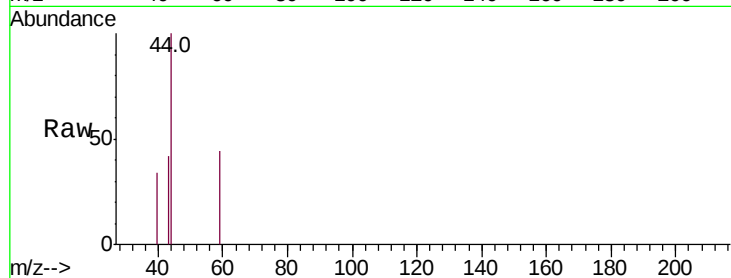
1576

Tot Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



#16

Acetone

Concen: 0.643 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064300.D

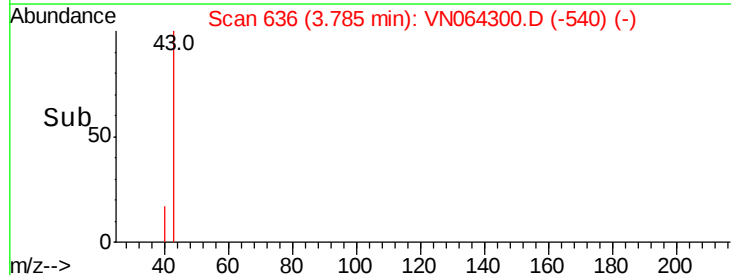
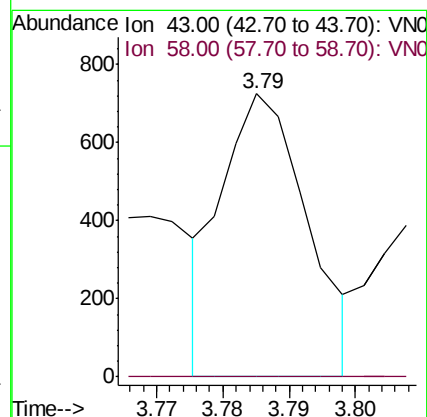
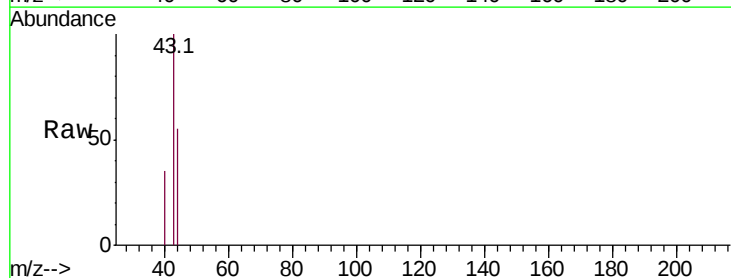
Acq: 23 Oct 2020 21:15

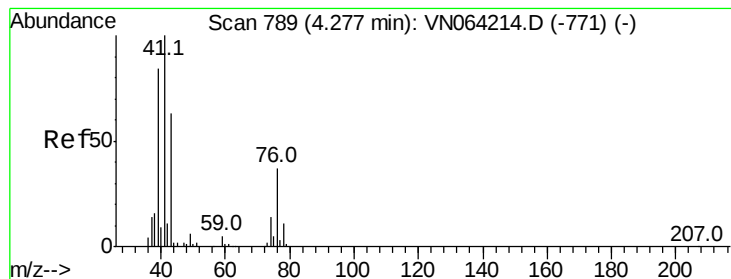
Tgt Ion: 43 Resp: 649

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.4#





#18

Methvl Acetate

Concen: 0.255 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

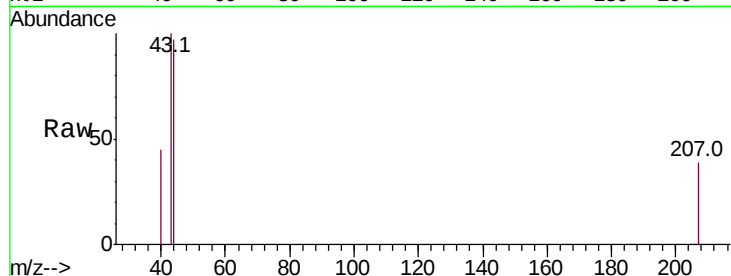
1576

Tot Ion: 43 Resp: 656

Ion Ratio Lower Upper

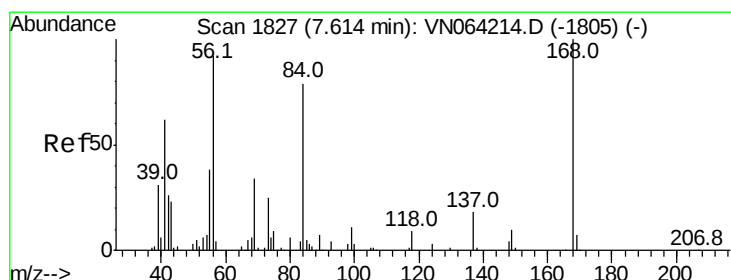
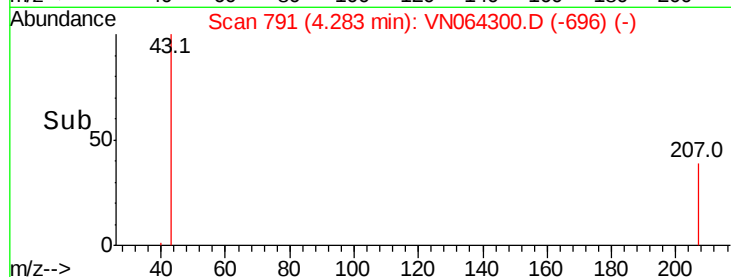
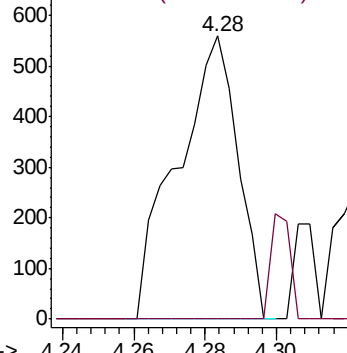
43 100

74 0.0 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#31

Cyclohexane

Concen: 1.519 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

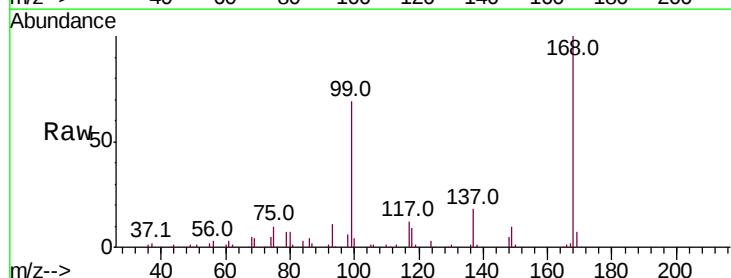
Tgt Ion: 56 Resp: 6348

Ion Ratio Lower Upper

56 100

69 146.2 29.8 44.6#

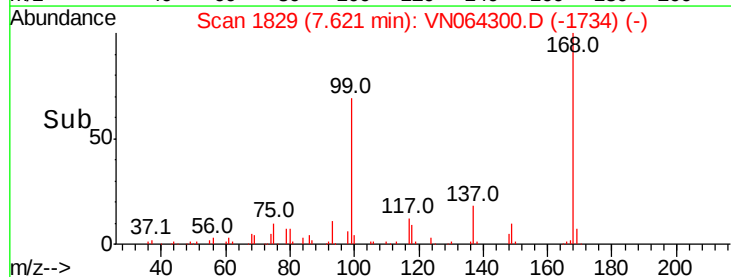
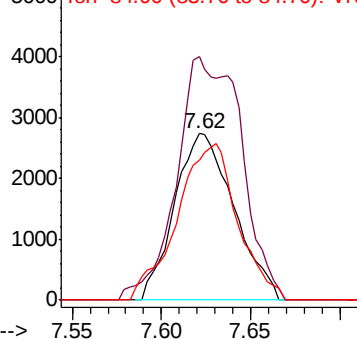
84 84.4 68.1 102.1

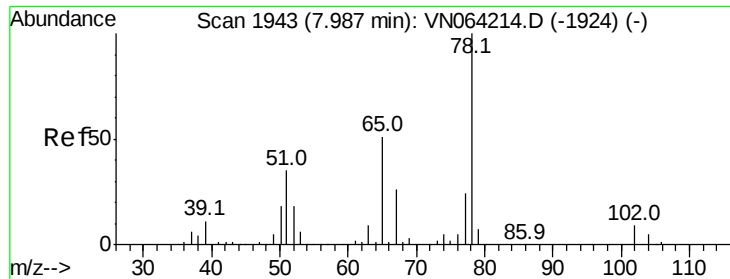


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 53.044 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

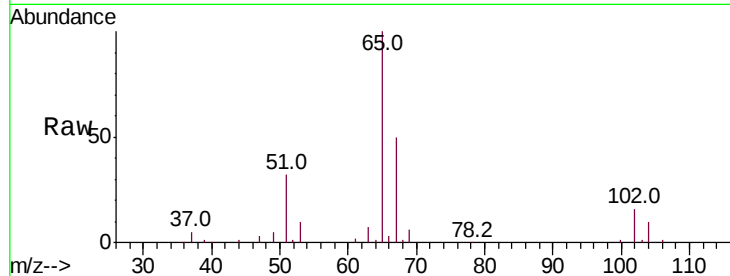
Instrument :
MSVOA_N
ClientSampled :
1576

Tot Ion: 65 Resp: 187046

Ion Ratio Lower Upper

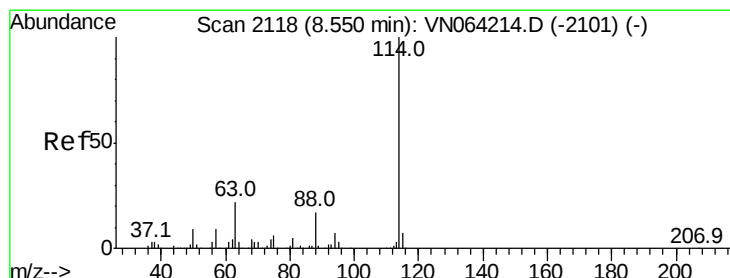
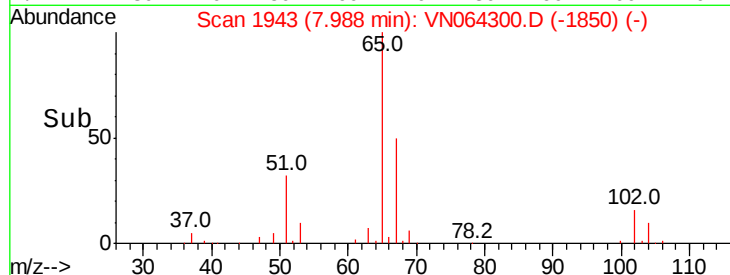
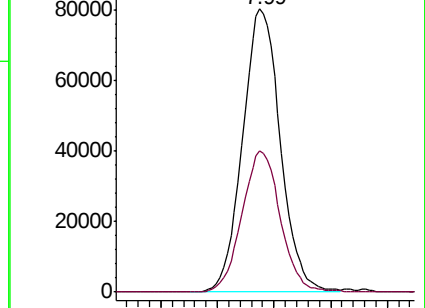
65 100

67 50.6 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN064300.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064300.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

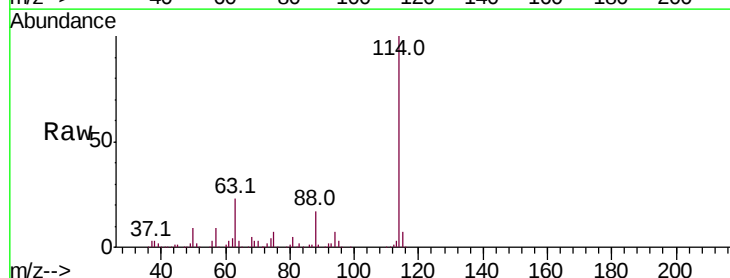
Tgt Ion: 114 Resp: 420547

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.0

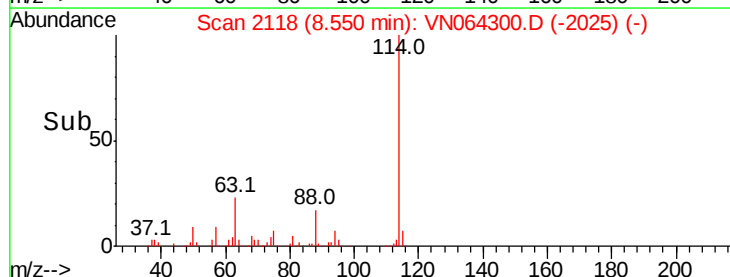
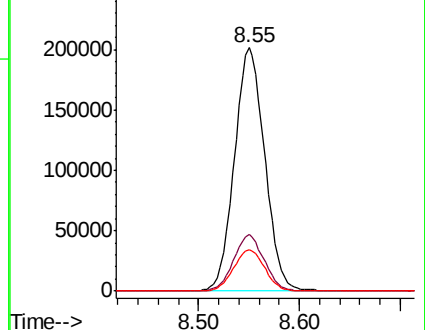
88 17.1 0.0 34.2

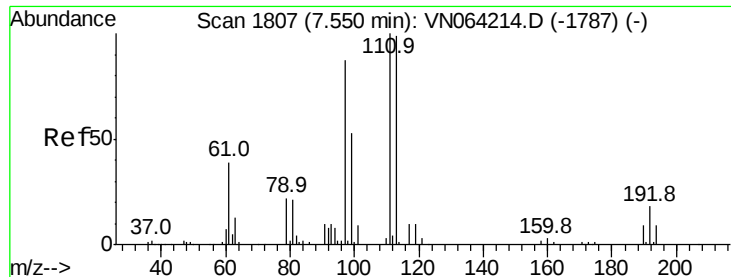


Abundance Ion 113.90 (113.60 to 114.60): VN064300.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064300.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064300.D (-2025) (-)

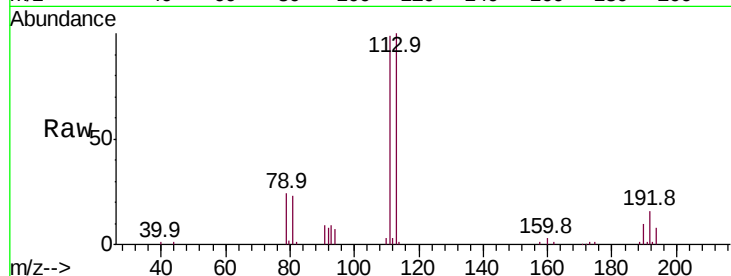




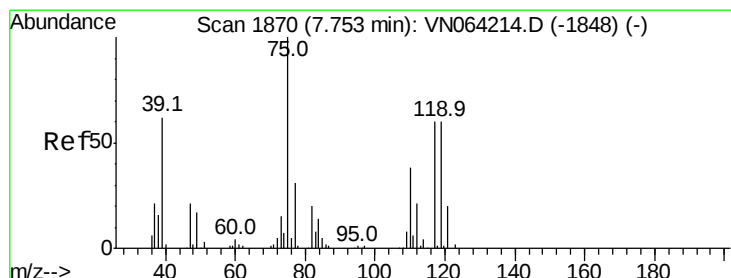
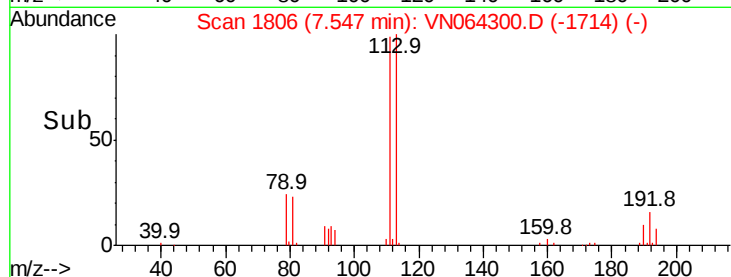
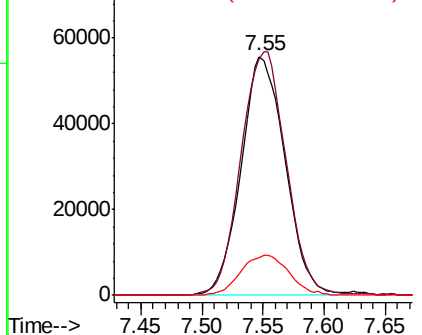
#35
 Dibromofluoromethane
 Concen: 49.669 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064300.D
 Acq: 23 Oct 2020 21:15

Instrument :
 MSVOA_N
 ClientSampleId :
 1576

Tot Ion:113 Resp: 138875
 Ion Ratio Lower Upper
 113 100
 111 104.8 84.2 126.2
 192 18.5 15.2 22.8

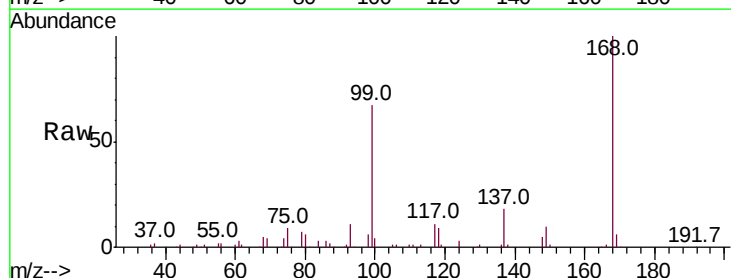


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

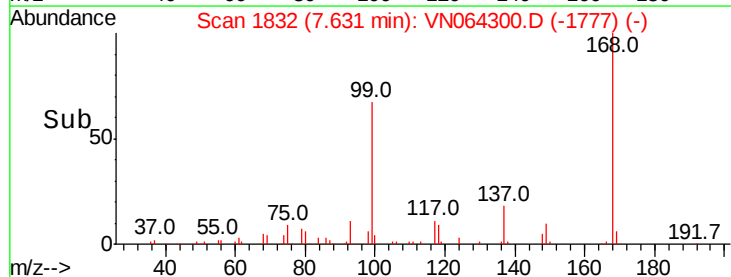
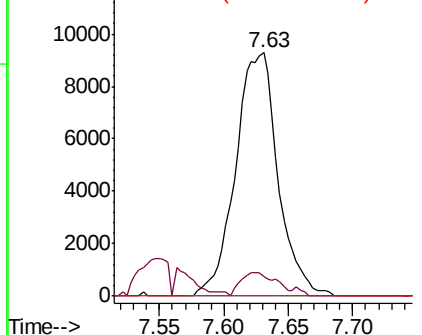


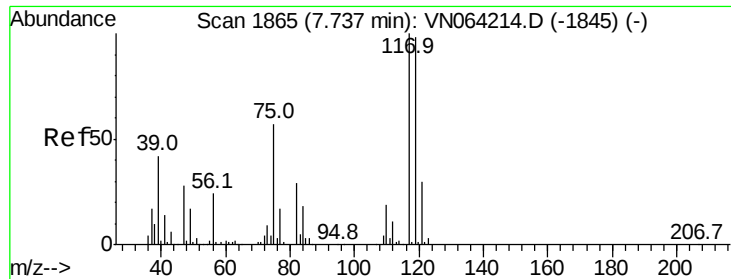
#36
 1,1-Dichloropropene
 Concen: 5.079 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064300.D
 Acq: 23 Oct 2020 21:15

Tgt Ion: 75 Resp: 21295
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.2 51.6#
 77 0.0 24.9 37.3#



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





#38

Carbon Tetrachloride

Concen: 5.624 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampled :

1576

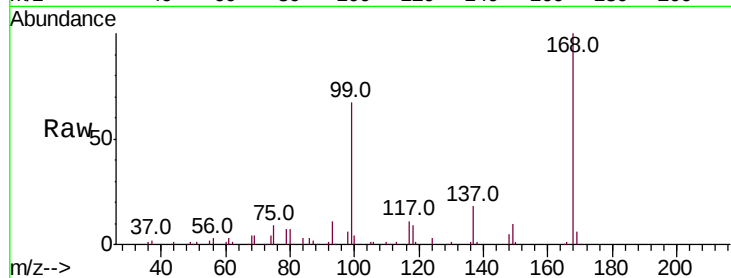
Tot Ion:117 Resp: 26829

Ion Ratio Lower Upper

117 100

119 5.1 78.5 117.7#

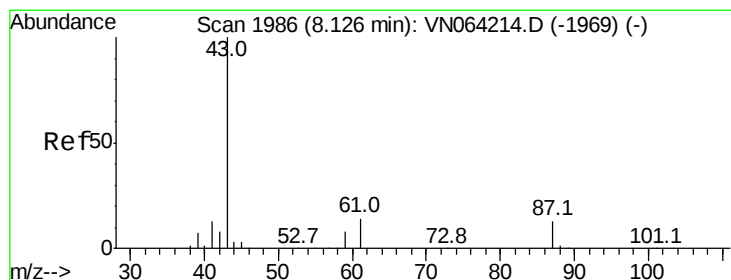
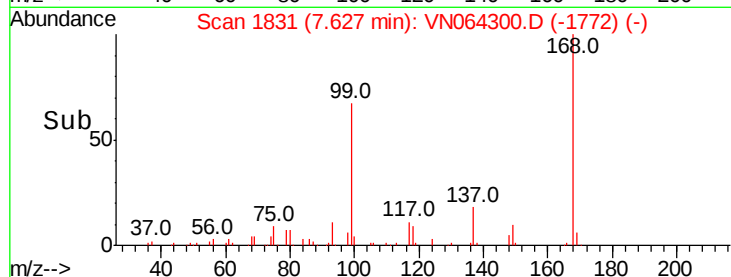
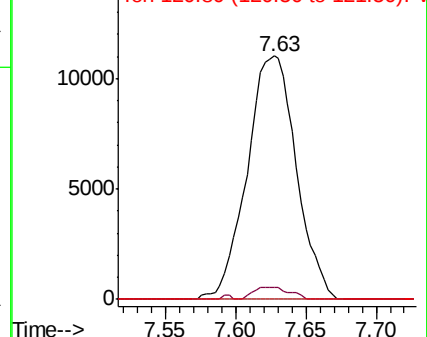
121 0.0 24.3 36.5#



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



#43

Isopropyl Acetate

Concen: 0.226 ug/l

RT: 8.17 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

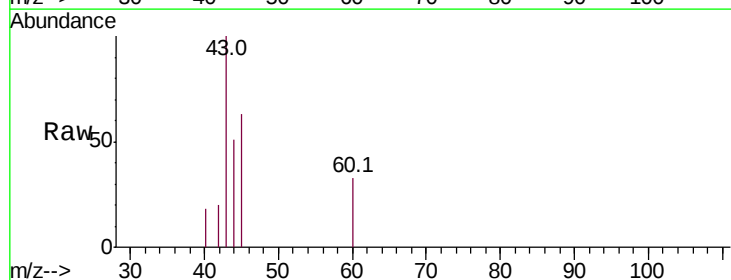
Tgt Ion: 43 Resp: 1601

Ion Ratio Lower Upper

43 100

61 0.0 19.6 29.4#

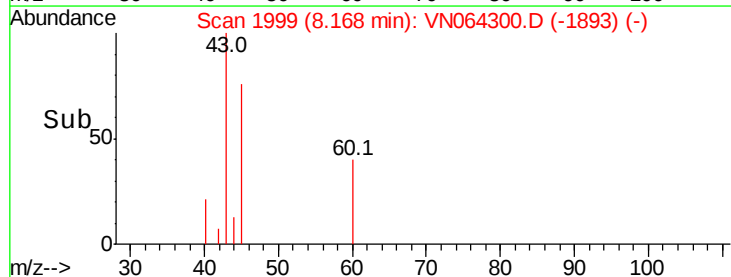
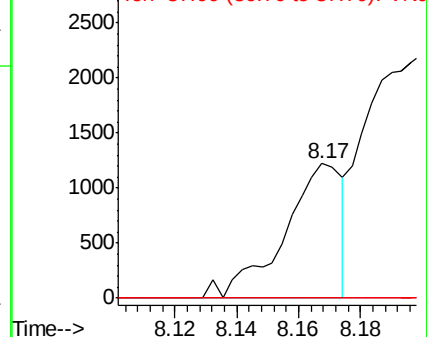
87 0.0 9.8 14.6#

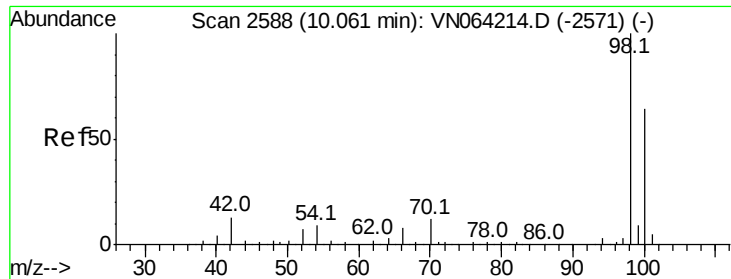


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.561 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampleId :

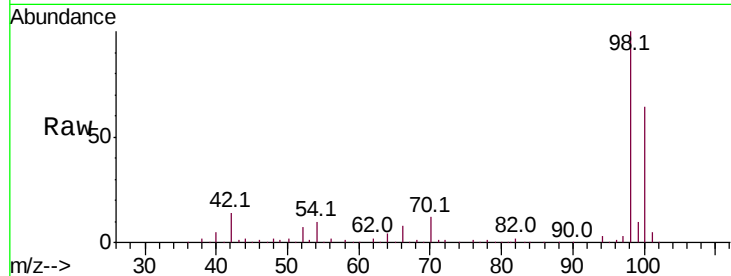
1576

Tot Ion: 98 Resp: 522955

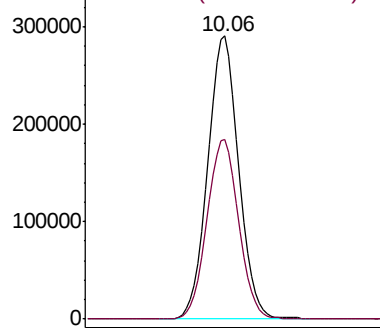
Ion Ratio Lower Upper

98 100

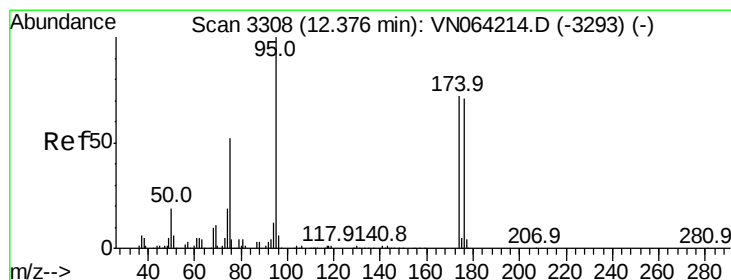
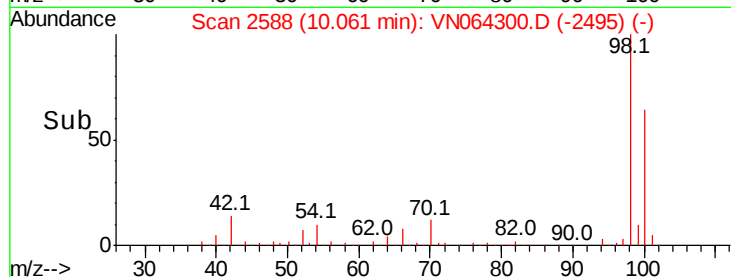
100 65.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064214.D (-2571) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 55.276 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

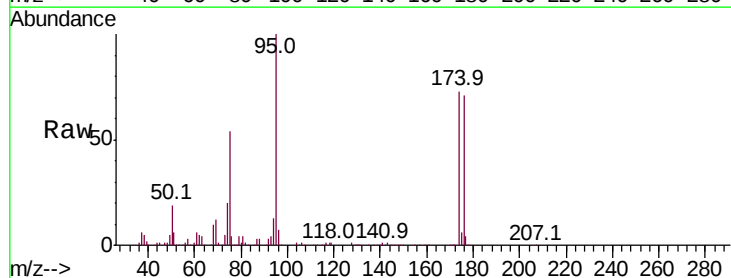
Tgt Ion: 95 Resp: 227276

Ion Ratio Lower Upper

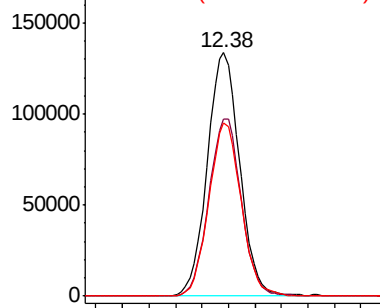
95 100

174 73.2 0.0 144.4

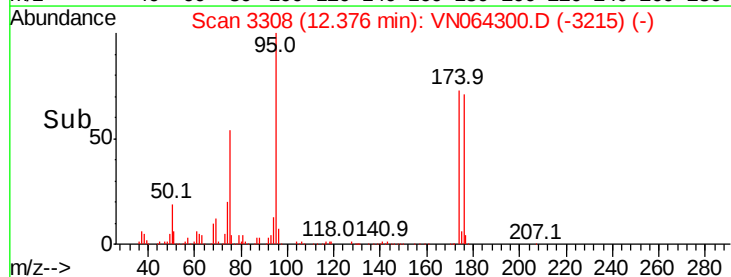
176 70.9 0.0 139.2

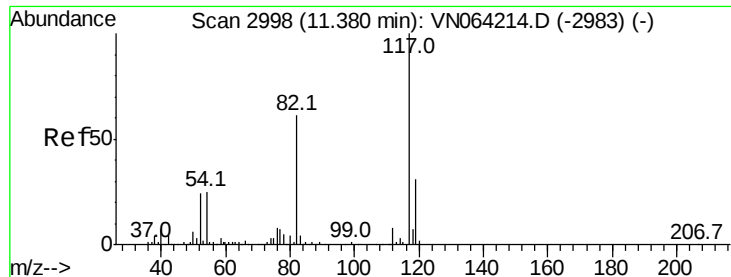


Abundance Ion 94.90 (94.60 to 95.60): VN064214.D (-3293) (-)



Time-->

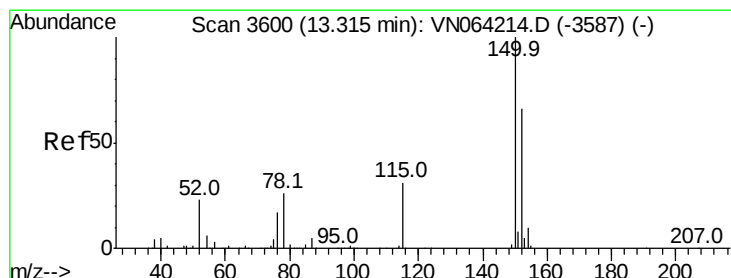
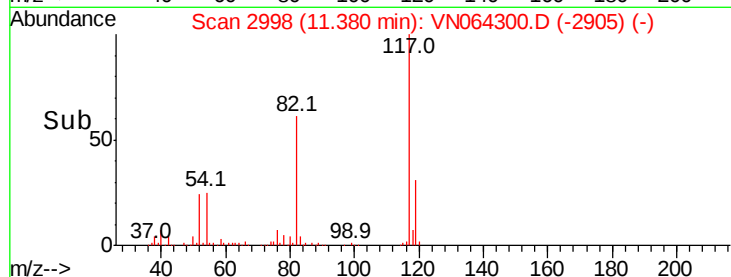
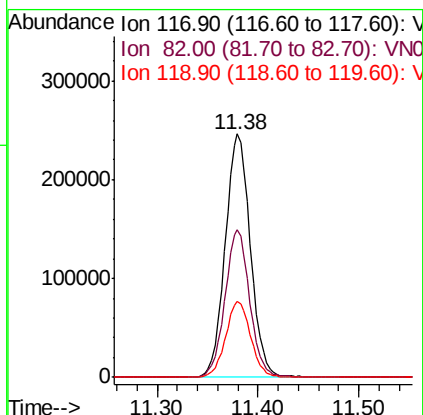
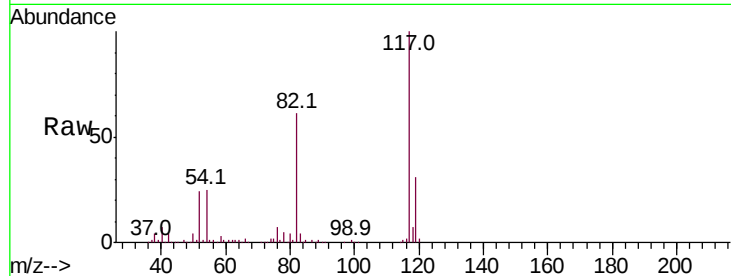




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064300.D
Acq: 23 Oct 2020 21:15

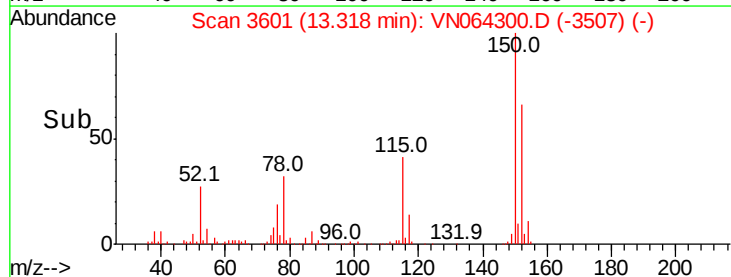
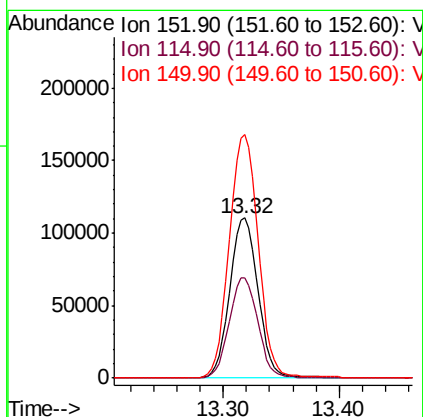
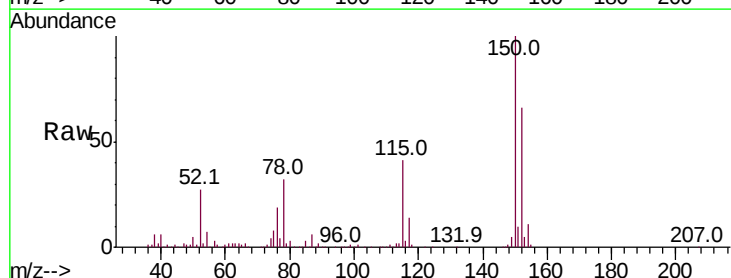
Instrument :
MSVOA_N
ClientSampleId :
1576

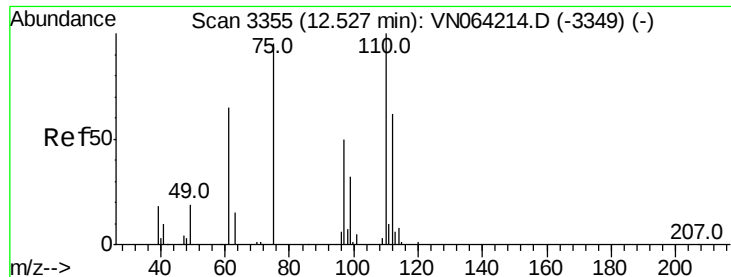
Tot Ion:117 Resp: 428898
Ion Ratio Lower Upper
117 100
82 60.7 48.8 73.2
119 31.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064300.D
Acq: 23 Oct 2020 21:15

Tgt Ion:152 Resp: 185988
Ion Ratio Lower Upper
152 100
115 63.2 32.0 96.2
150 154.8 0.0 356.6





#76

1,2,3-Trichloropropane

Concen: 31.855 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

Instrument :

MSVOA_N

ClientSampled :

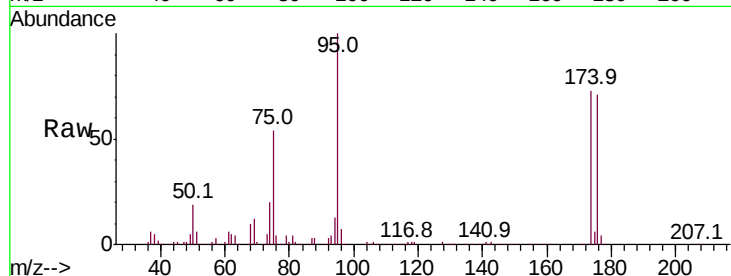
1576

Tot Ion: 75 Resp: 124900

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

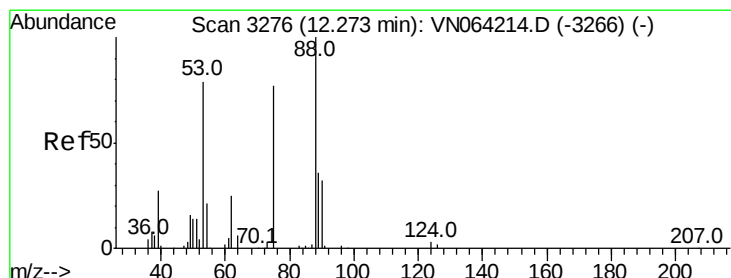
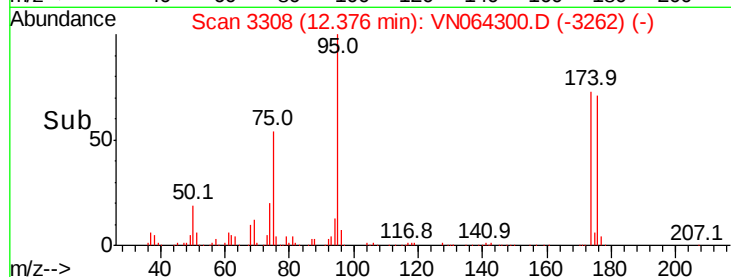
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 80.424 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064300.D

Acq: 23 Oct 2020 21:15

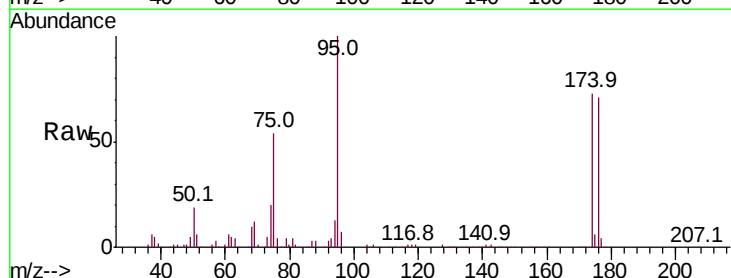
Tgt Ion: 75 Resp: 124900

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.4#

89 0.0 38.7 58.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

100000

80000

60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45

