

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064337.D
 Acq On : 27 Oct 2020 19:37
 Operator : JC/MD
 Sample : L4520-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PS-FRAC

Quant Time: Oct 28 04:28:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	215882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	378250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171133	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	177436	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	7.55	113	125997	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.06	98	474341	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.38	95	212229	58.34	ug/l	0.00
Spiked Amount			Recovery	=	116.68%	

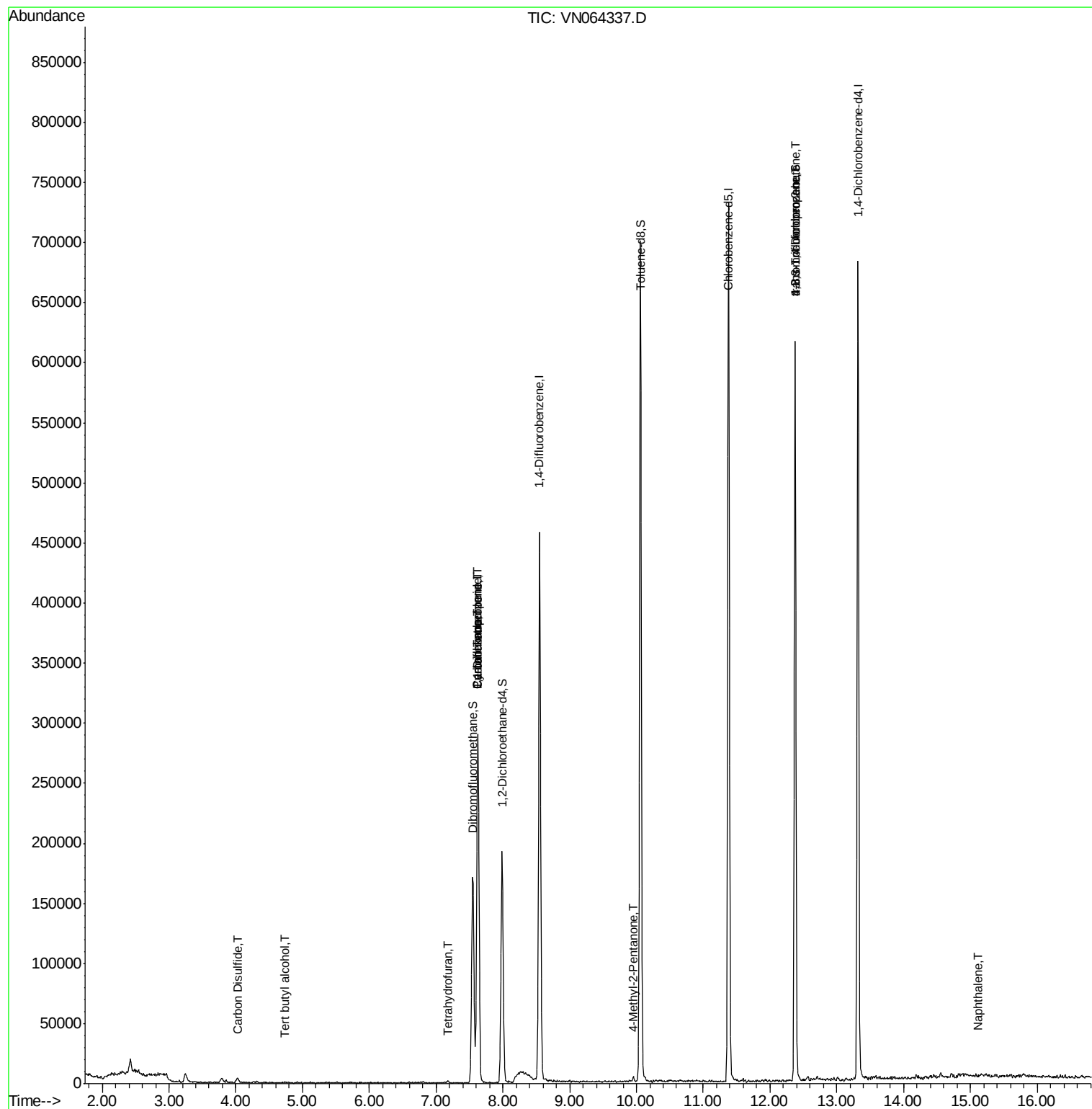
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	459	0.911	ug/l #	85
16) Acetone	3.78	43	3546	Below Cal	#	79
17) Carbon Disulfide	4.02	76	1247	0.204	ug/l #	75
29) Tetrahydrofuran	7.17	42	1268	1.121	ug/l #	79
31) Cyclohexane	7.63	56	5267	1.308	ug/l #	40
36) 1,1-Dichloropropene	7.63	75	17790	4.660	ug/l #	54
38) Carbon Tetrachloride	7.63	117	24312	5.493	ug/l #	19
51) 4-Methyl-2-Pentanone	9.95	43	2277	0.594	ug/l	90
76) 1,2,3-Trichloropropane	12.38	75	118524	28.921	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118524	83.308	ug/l #	8
95) Naphthalene	15.12	128	550	2.447	ug/l #	69

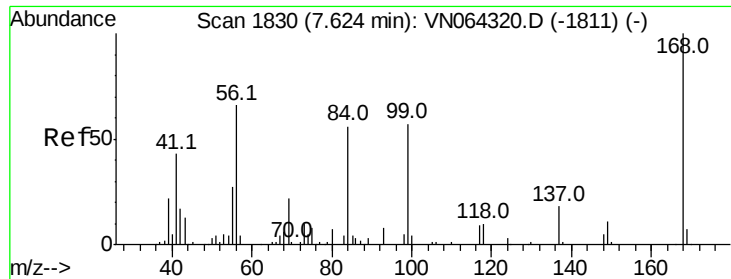
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102720\
Data File : VN064337.D
Acq On : 27 Oct 2020 19:37
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Sample : L4520-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PS-FRAC

Quant Time: Oct 28 04:28:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

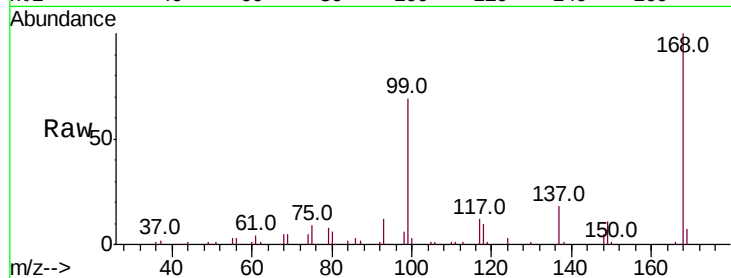
PS-FRAC

Tot Ion:168 Resp: 215882

Ion Ratio Lower Upper

168 100

99 69.0 52.7 79.1

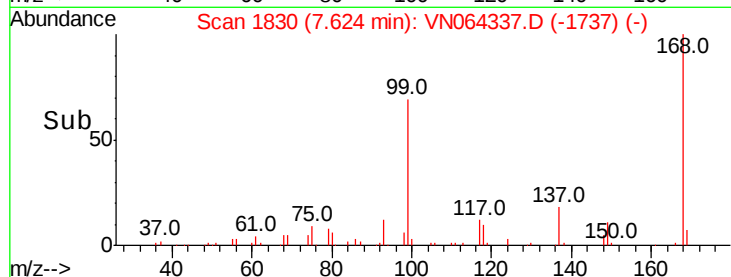


Abundance Ion 167.90 (167.60 to 168.60): VN064337.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064337.D (-1737) (-)

7.62

Time-->



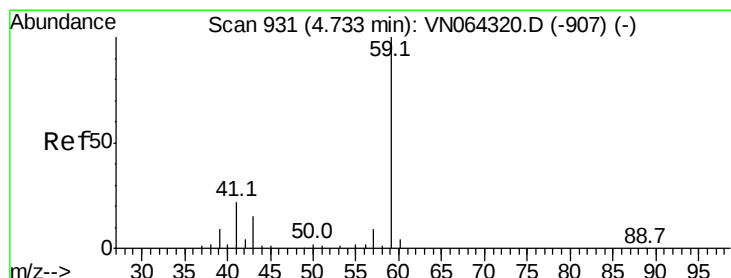
Abundance

Ion 167.90 (167.60 to 168.60): VN064337.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064337.D (-1737) (-)

7.62

Time-->



#11

Tert butyl alcohol

Concen: 0.911 ug/l

RT: 4.73 min Scan# 931

Delta R.T. -0.00 min

Lab File: VN064337.D

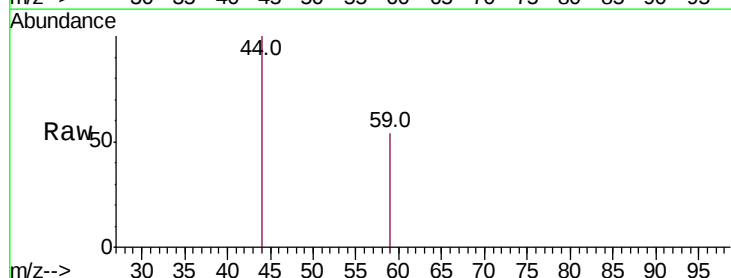
Acq: 27 Oct 2020 19:37

Tgt Ion: 59 Resp: 459

Ion Ratio Lower Upper

59 100

57 17.4 9.4 14.0#

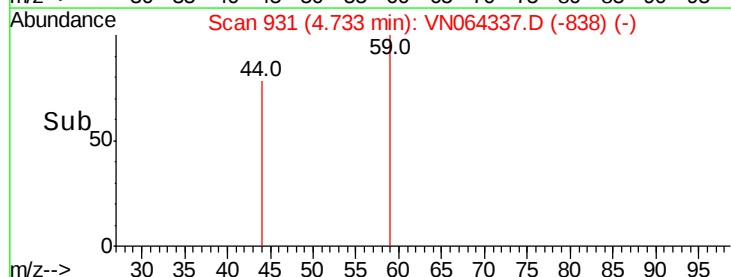


Abundance Ion 59.00 (58.70 to 59.70): VN064337.D (-838) (-)

Ion 57.00 (56.70 to 57.70): VN064337.D (-838) (-)

4.73

Time-->



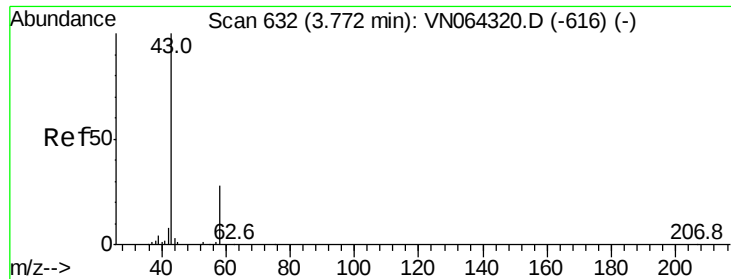
Abundance

Ion 59.00 (58.70 to 59.70): VN064337.D (-838) (-)

Ion 57.00 (56.70 to 57.70): VN064337.D (-838) (-)

4.73

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

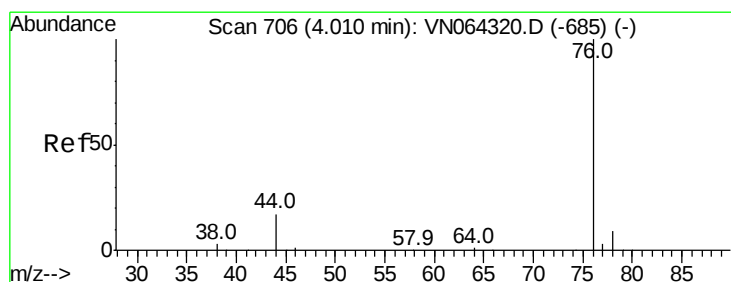
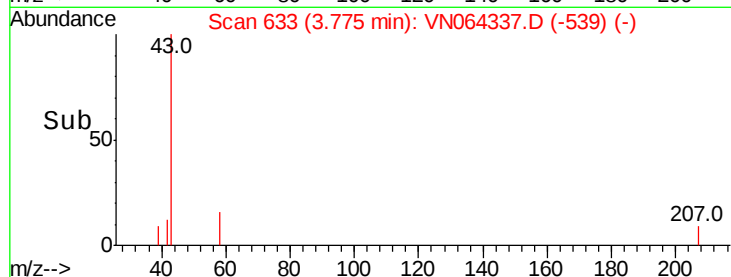
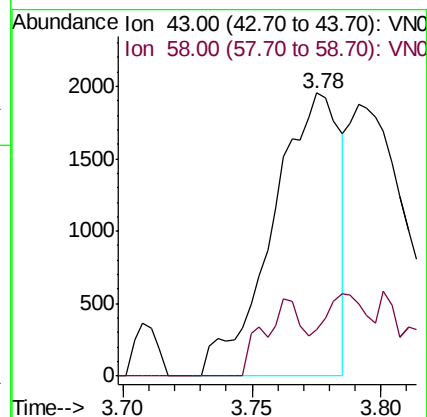
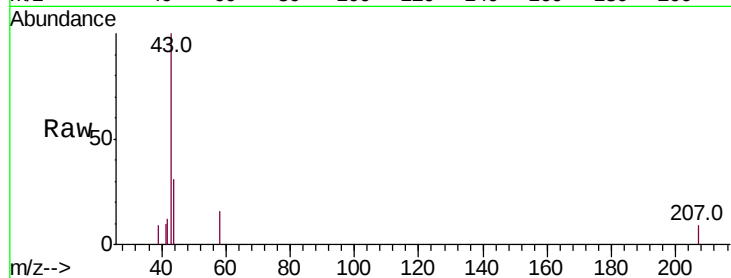
PS-FRAC

Tot Ion: 43 Resp: 3546

Ion Ratio Lower Upper

43 100

58 16.4 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 4.02 min Scan# 710

Delta R.T. 0.01 min

Lab File: VN064337.D

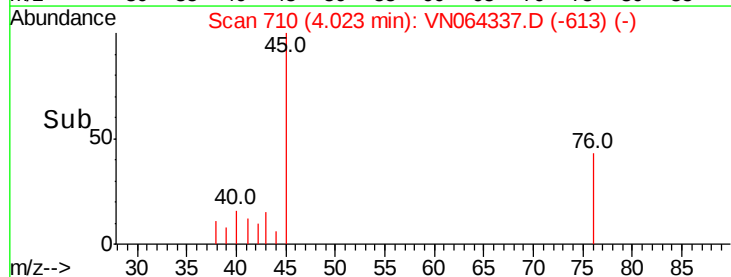
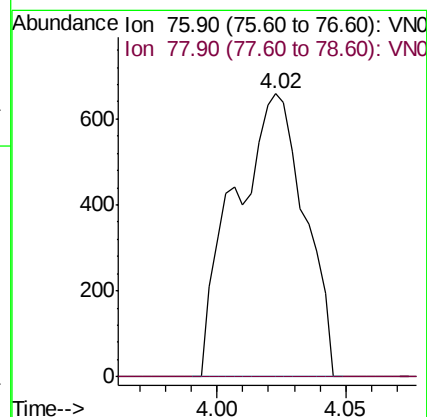
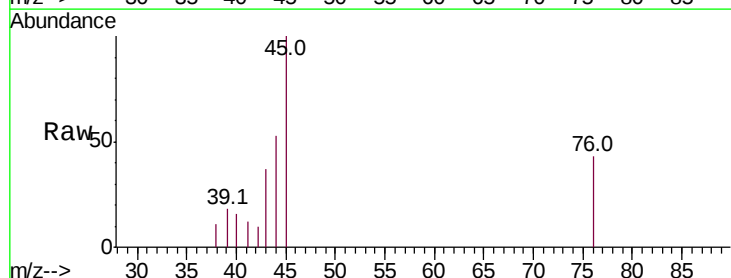
Acq: 27 Oct 2020 19:37

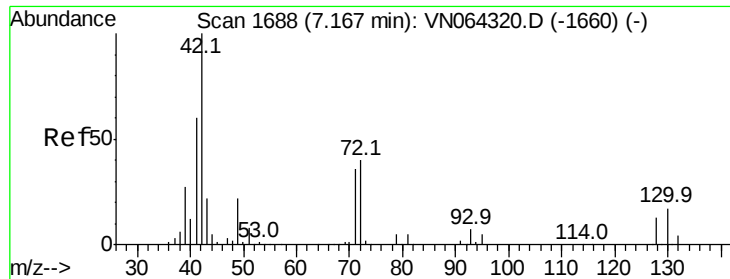
Tgt Ion: 76 Resp: 1247

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#29

Tetrahydrofuran

Concen: 1.121 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

PS-FRAC

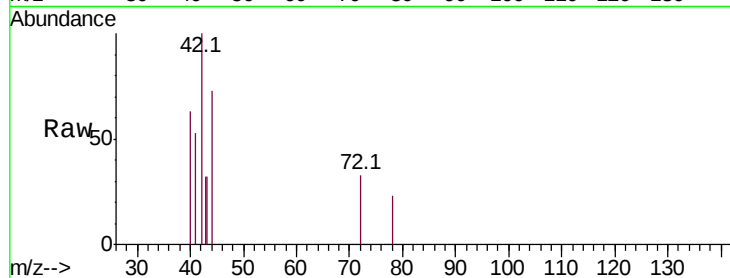
Tot Ion: 42 Resp: 1268

Ion Ratio Lower Upper

42 100

72 38.2 31.6 47.4

71 11.7 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): VN064320.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN064320.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN064320.D (-1660) (-)

7.17

600

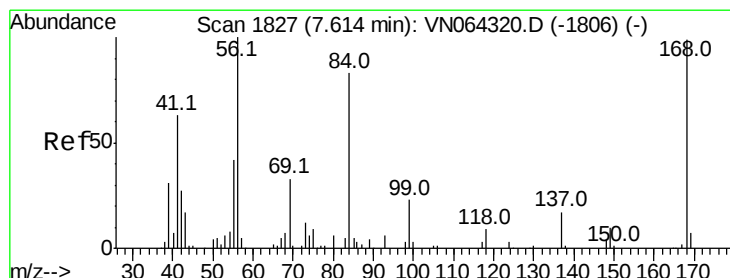
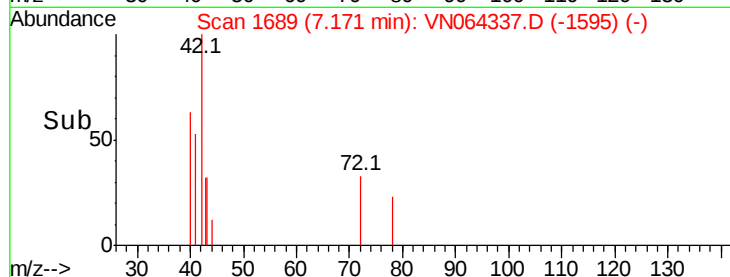
400

200

0

7.10 7.15 7.20

Time-->



#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

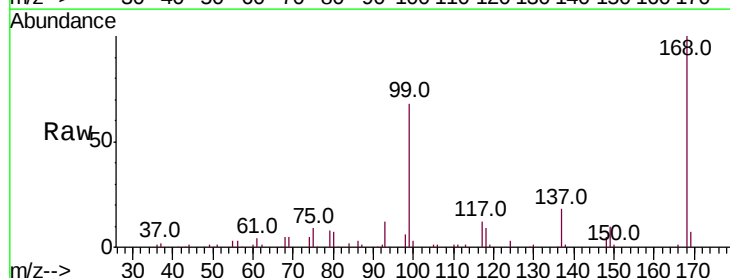
Tgt Ion: 56 Resp: 5267

Ion Ratio Lower Upper

56 100

69 133.7 25.8 38.8#

84 71.2 66.3 99.5



Abundance Ion 56.00 (55.70 to 56.70): VN064320.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN064320.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN064320.D (-1806) (-)

7.63

5000

4000

3000

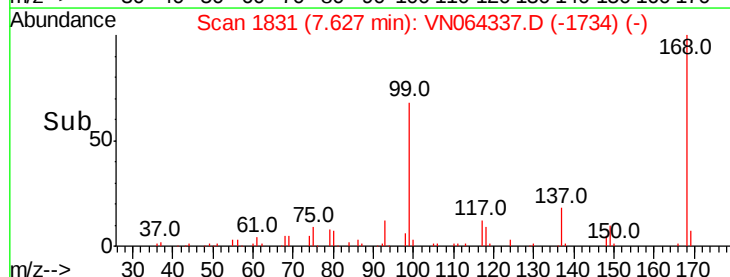
2000

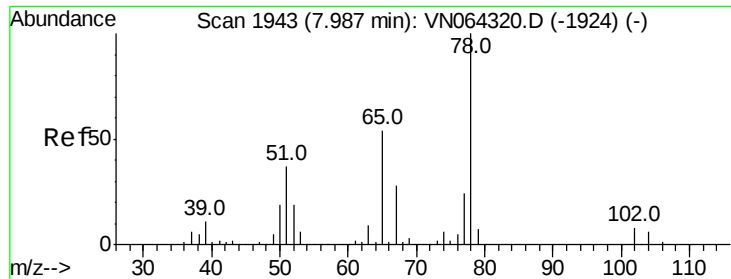
1000

0

7.55 7.60 7.65

Time-->

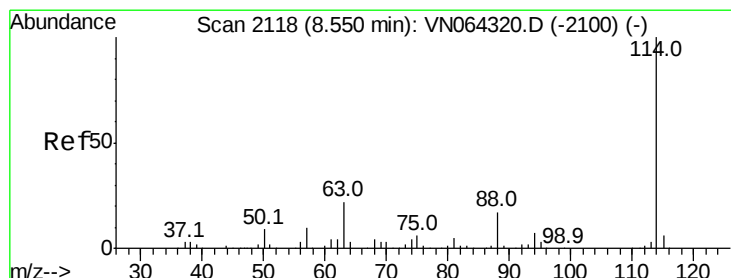
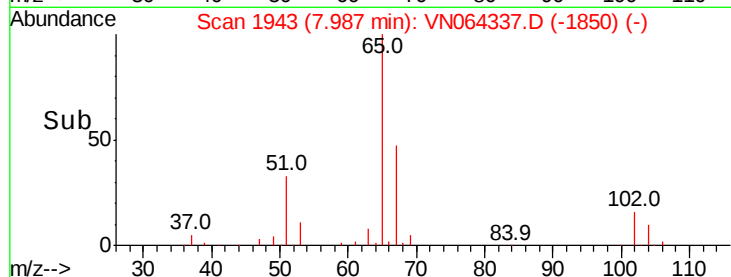
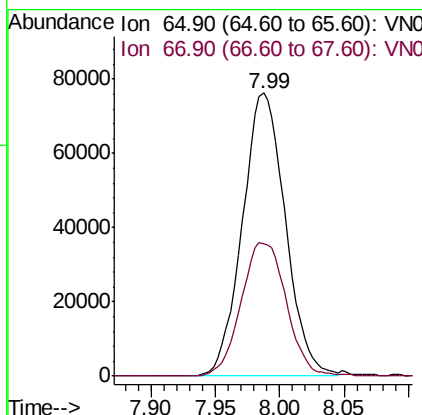
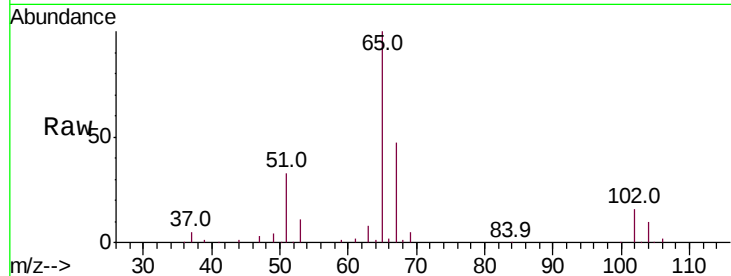




#33
 1,2-Dichloroethane-d4
 Concen: 51.146 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064337.D
 Acq: 27 Oct 2020 19:37

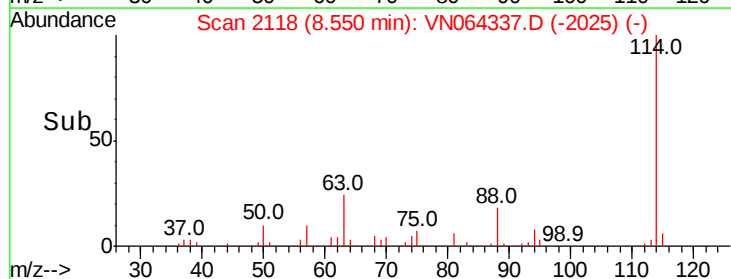
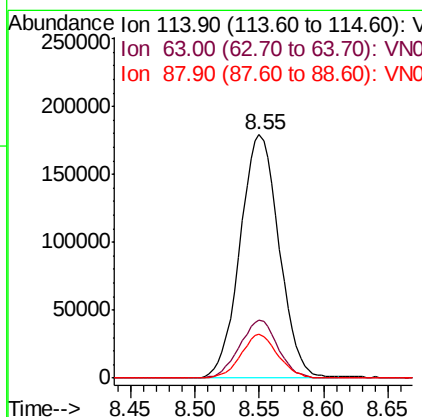
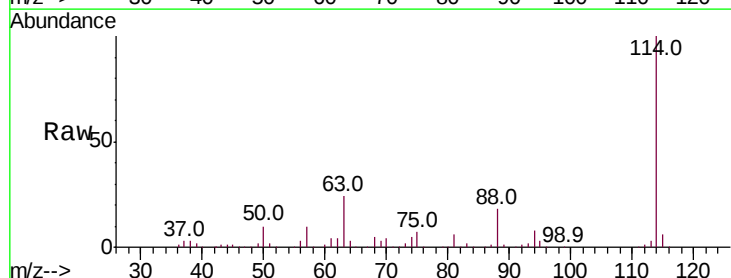
Instrument :
 MSVOA_N
 ClientSampleId :
 PS-FRAC

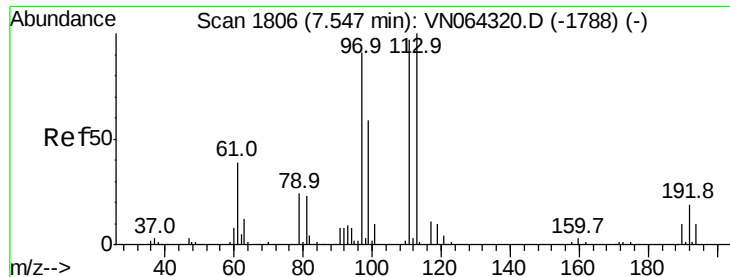
Tot Ion: 65 Resp: 177436
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064337.D
 Acq: 27 Oct 2020 19:37

Tgt Ion: 114 Resp: 378250
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 44.6
 88 17.8 0.0 33.4

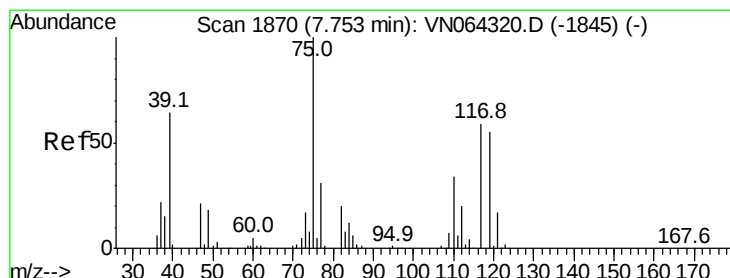
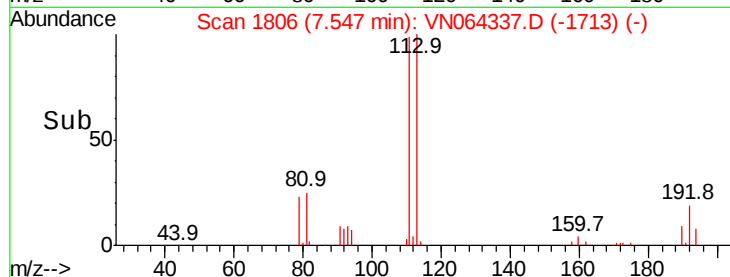
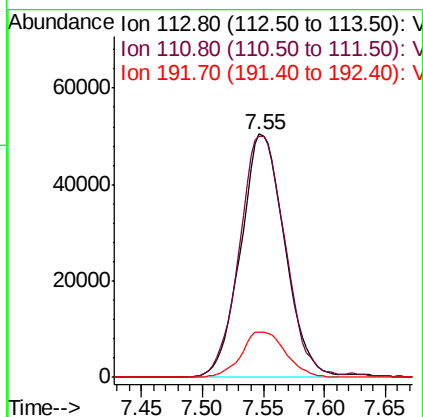
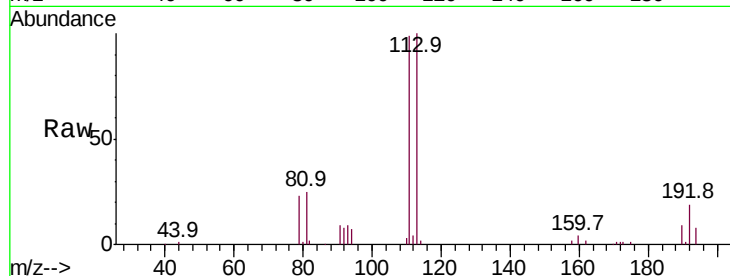




#35
 Dibromofluoromethane
 Concen: 49.950 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064337.D
 Acq: 27 Oct 2020 19:37

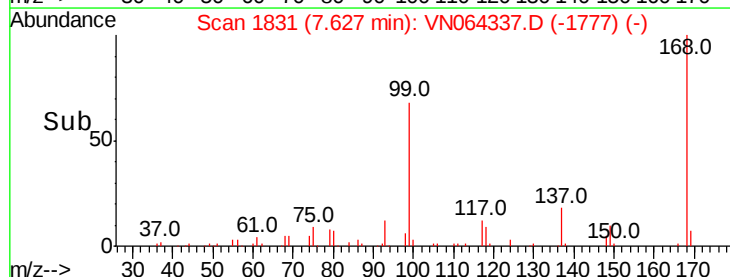
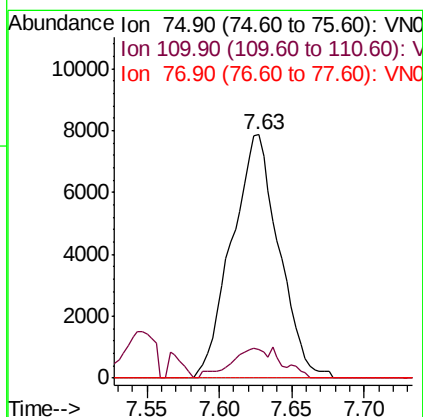
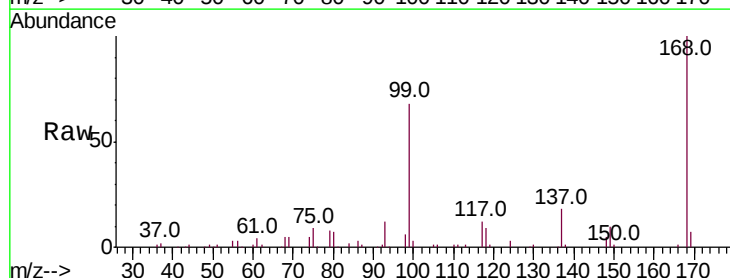
Instrument :
 MSVOA_N
 ClientSampleId :
 PS-FRAC

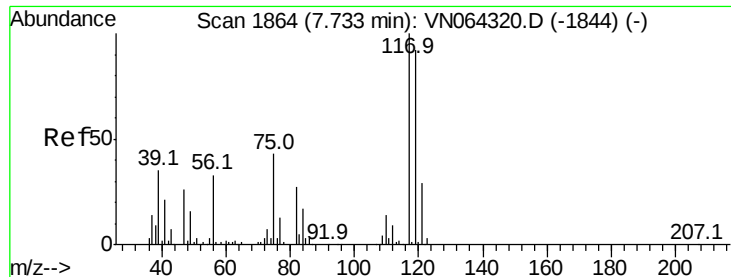
Tot Ion:113 Resp: 125997
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.5 122.3
 192 18.8 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.660 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064337.D
 Acq: 27 Oct 2020 19:37

Tgt Ion: 75 Resp: 17790
 Ion Ratio Lower Upper
 75 100
 110 12.5 16.8 50.3#
 77 0.0 24.2 36.4#

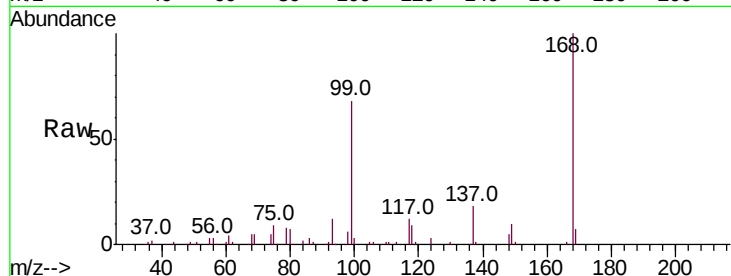




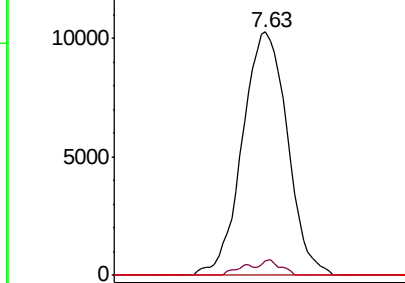
#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064337.D
Acq: 27 Oct 2020 19:37

Instrument :
MSVOA_N
ClientSampleId :
PS-FRAC

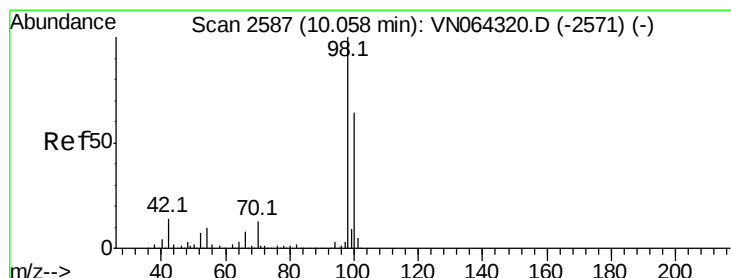
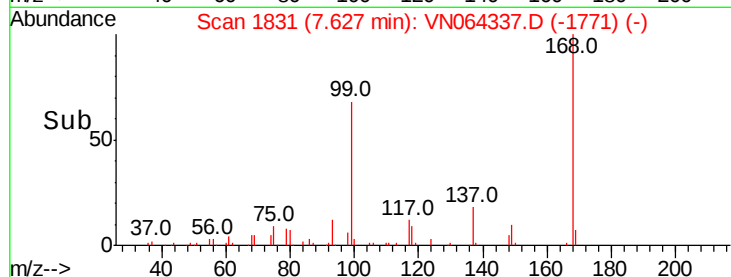
Tot Ion:117 Resp: 24312
Ion Ratio Lower Upper
117 100
119 6.2 73.7 110.5#
121 0.0 22.8 34.2#



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

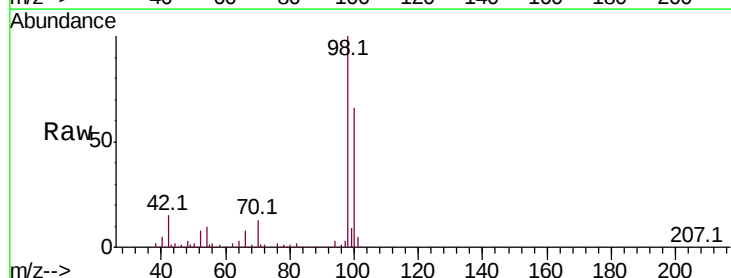


Time-->

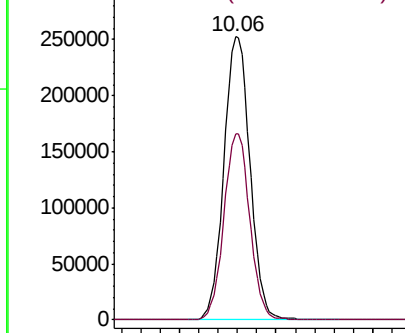


#50
Toluene-d8
Concen: 50.839 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064337.D
Acq: 27 Oct 2020 19:37

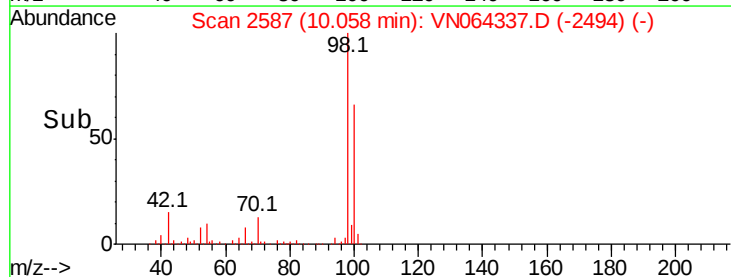
Tgt Ion: 98 Resp: 474341
Ion Ratio Lower Upper
98 100
100 65.2 50.9 76.3

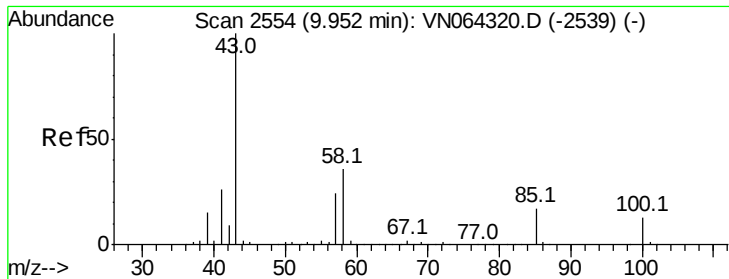


Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN



Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

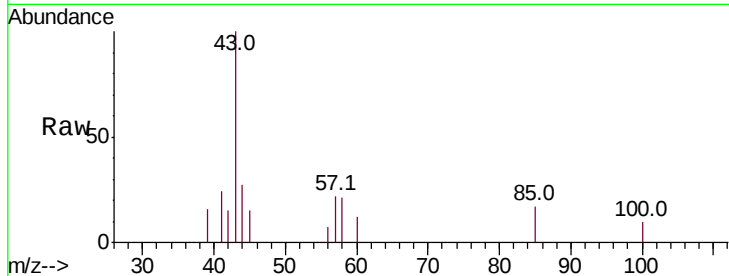
PS-FRAC

Tot Ion: 43 Resp: 2277

Ion Ratio Lower Upper

43 100

58 41.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

2500

2000

1500

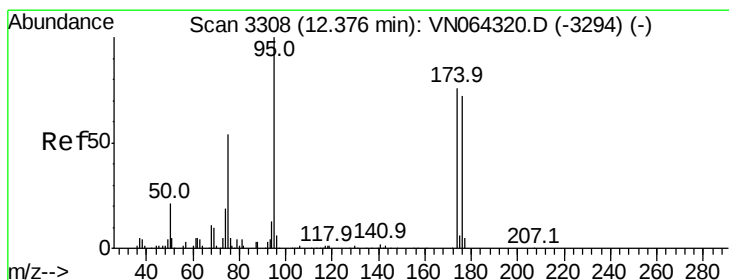
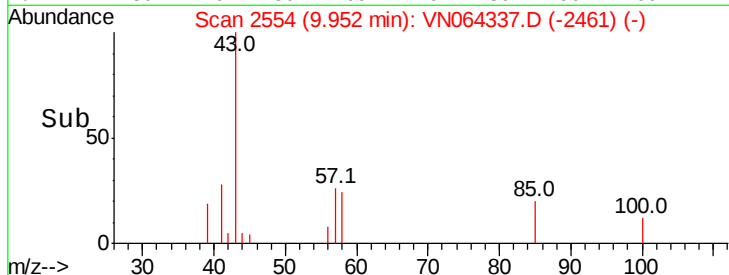
1000

500

0

9.95

Time-->



#62

4-Bromofluorobenzene

Concen: 58.340 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

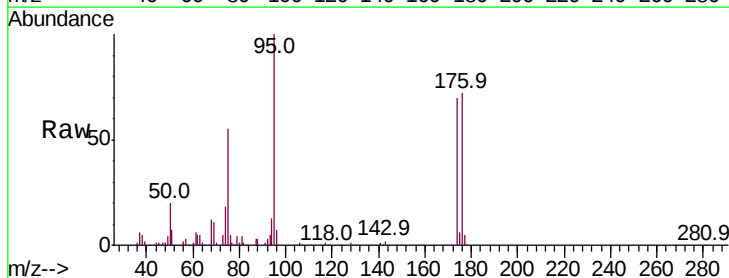
Tgt Ion: 95 Resp: 212229

Ion Ratio Lower Upper

95 100

174 72.3 0.0 147.4

176 71.4 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VN064320.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064320.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064320.D (-3294) (-)

150000

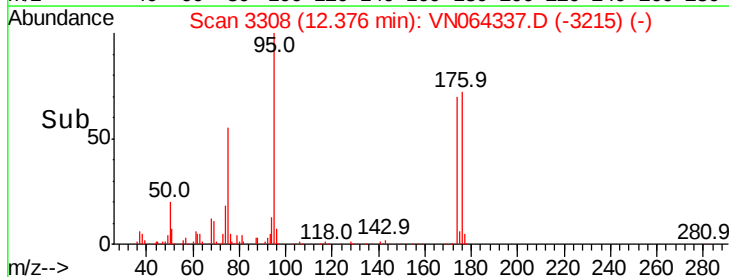
100000

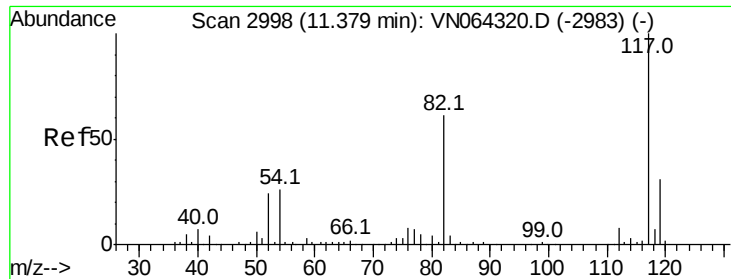
50000

0

12.38

Time-->

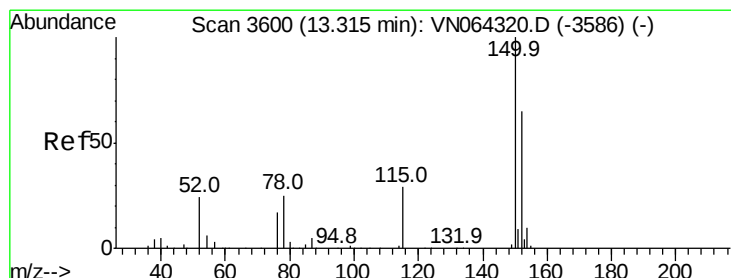
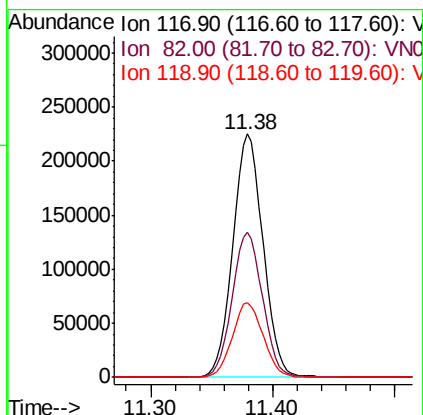
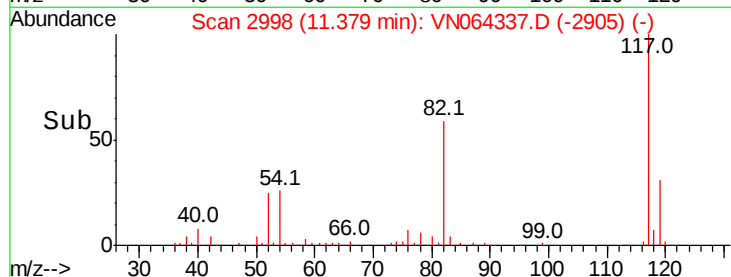
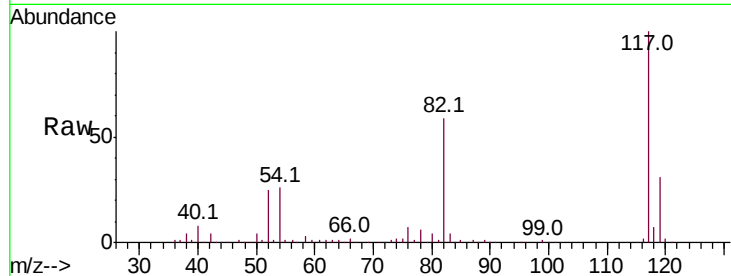




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064337.D
Acq: 27 Oct 2020 19:37

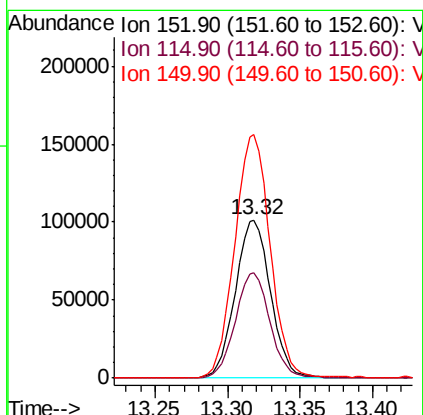
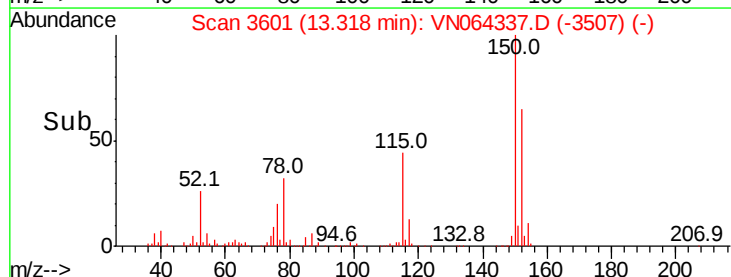
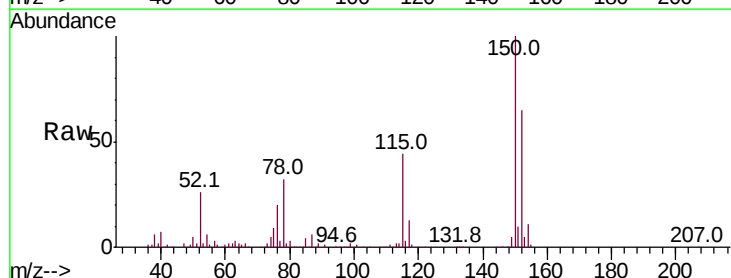
Instrument :
MSVOA_N
ClientSampleId :
PS-FRAC

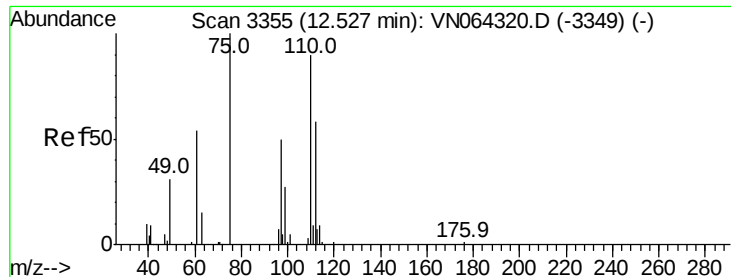
Tot Ion:117 Resp: 387667
Ion Ratio Lower Upper
117 100
82 59.3 48.8 73.2
119 30.7 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064337.D
Acq: 27 Oct 2020 19:37

Tgt Ion:152 Resp: 171133
Ion Ratio Lower Upper
152 100
115 66.0 31.5 94.5
150 155.4 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 28.921 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

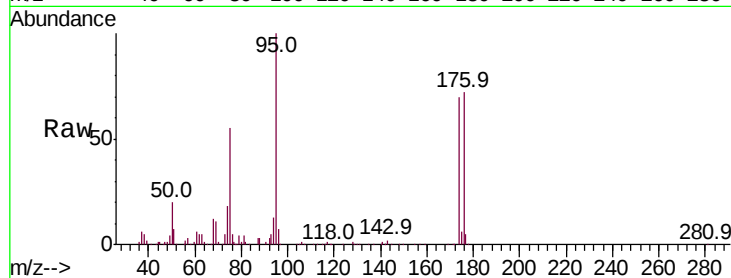
PS-FRAC

Tot Ion: 75 Resp: 118524

Ion Ratio Lower Upper

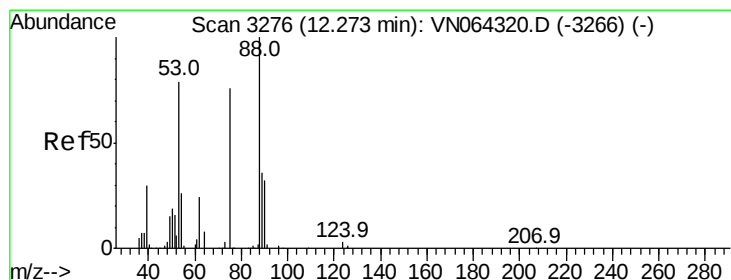
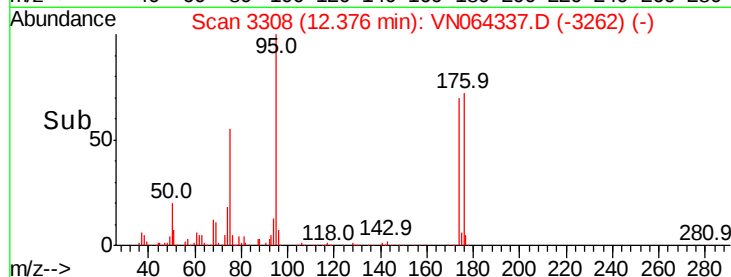
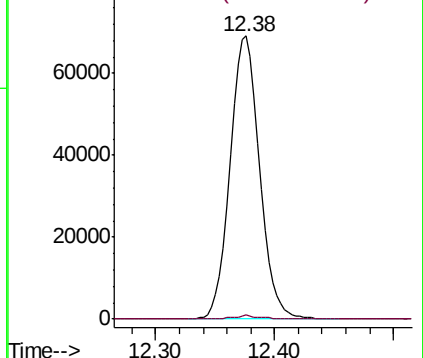
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 83.308 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

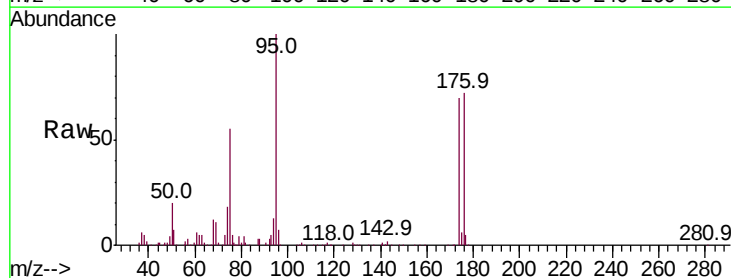
Tgt Ion: 75 Resp: 118524

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

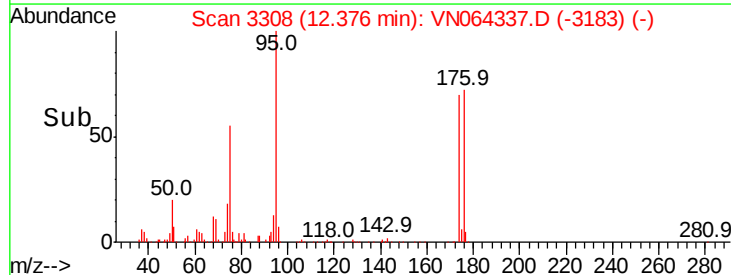
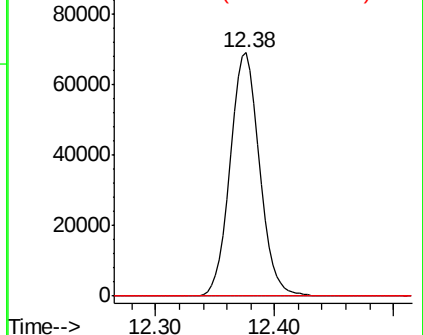
89 0.0 39.9 59.9#

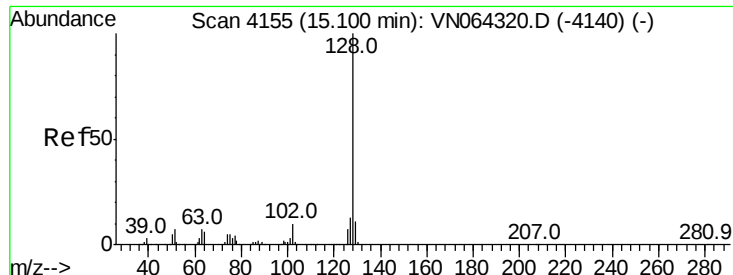


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 2.447 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.02 min

Lab File: VN064337.D

Acq: 27 Oct 2020 19:37

Instrument :

MSVOA_N

ClientSampleId :

PS-FRAC

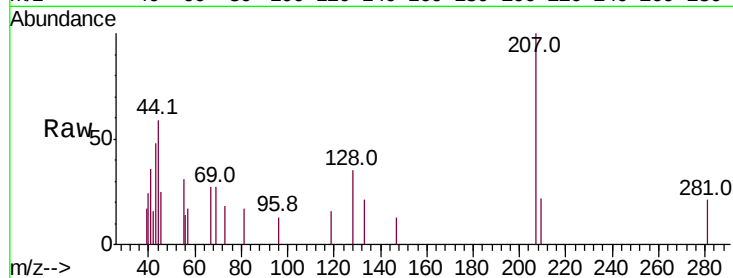
Tot Ion:128 Resp: 550

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

