

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057733.D
 Acq On : 6 Sep 2019 23:00
 Operator : JC/SP
 Sample : K4580-32
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-12-C2-(0)

Quant Time: Sep 06 23:29:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	195785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	300221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	153534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	247159	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.58	113	143210	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	10.08	98	559575	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.40	95	204283	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	

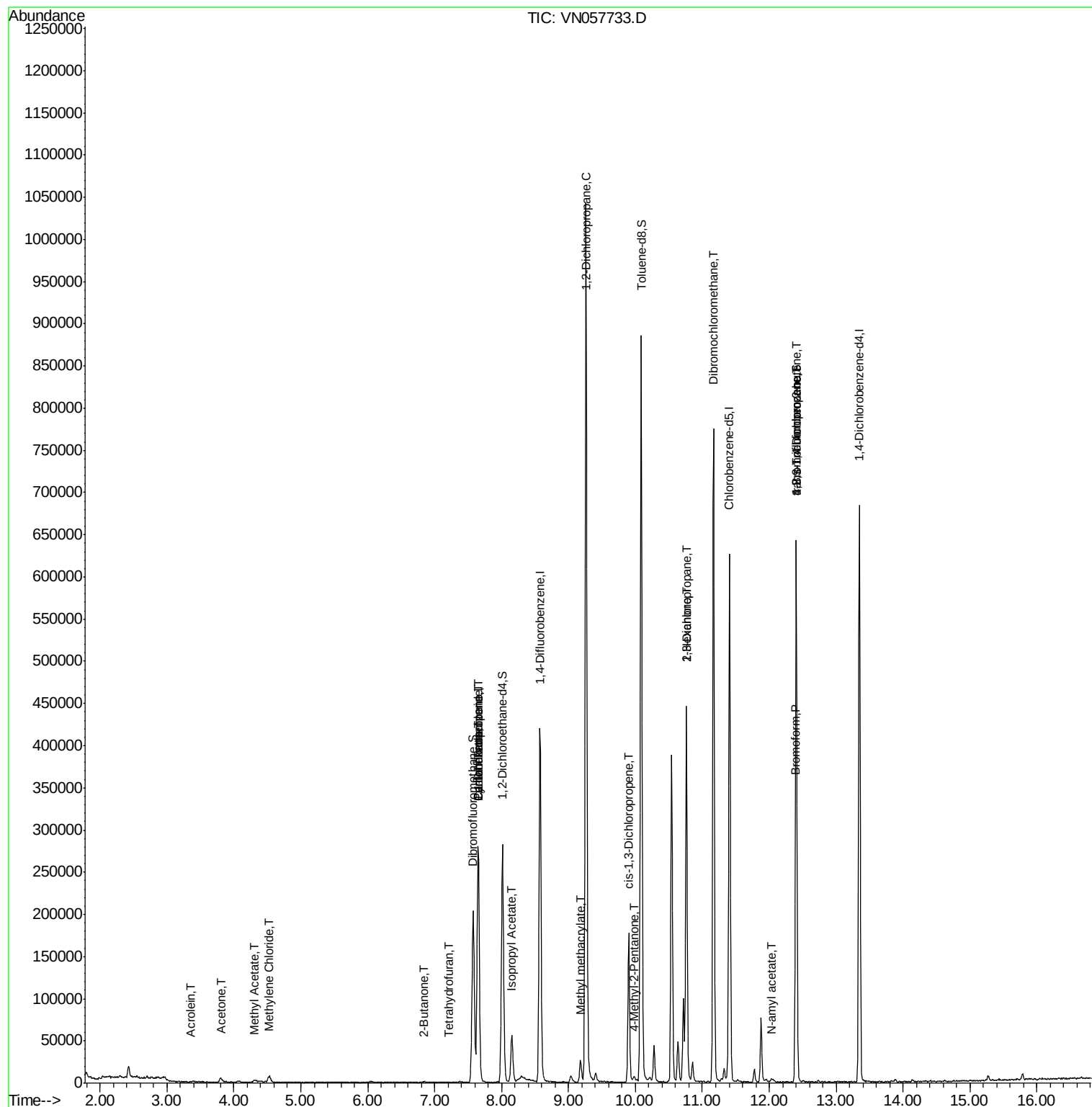
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1231	Below Cal		98
13) Acrolein	3.36	56	61	0.237	ug/l #	15
16) Acetone	3.80	43	8746	5.967	ug/l	98
18) Methyl Acetate	4.30	43	1402	0.352	ug/l	92
20) Methylene Chloride	4.54	84	2568	0.810	ug/l #	84
25) 2-Butanone	6.83	43	2419	1.152	ug/l #	55
29) Tetrahydrofuran	7.20	42	290	0.214	ug/l #	40
31) Cyclohexane	7.65	56	7032	1.315	ug/l #	29
36) 1,1-Dichloropropene	7.65	75	20736	4.844	ug/l #	52
38) Carbon Tetrachloride	7.65	117	23681	5.777	ug/l #	16
43) Isopropyl Acetate	8.15	43	69737	8.549	ug/l	98
45) 1,2-Dichloropropane	9.26	63	1138	0.336	ug/l #	44
48) Methyl methacrylate	9.17	41	4715	1.124	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	4174	0.921	ug/l #	72
54) cis-1,3-Dichloropropene	9.90	75	27569	5.510	ug/l #	64
57) 1,3-Dichloropropane	10.76	76	3769	0.710	ug/l #	43
59) 2-Hexanone	10.76	43	73283	22.941	ug/l #	59
60) Dibromochloromethane	11.17	129	32	1.863	ug/l #	11
71) Bromoform	12.38	173	38	3.259	ug/l #	28
74) N-amyl acetate	12.03	43	2841	0.419	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	122355	34.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	122355	107.929	ug/l #	1

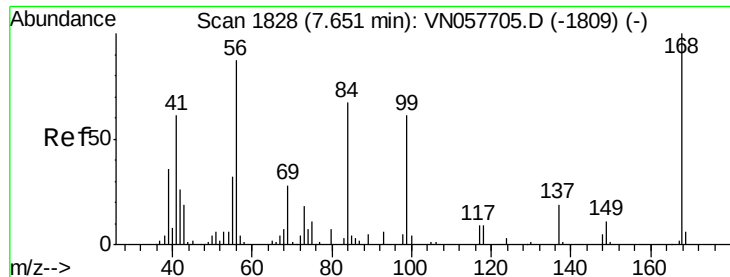
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

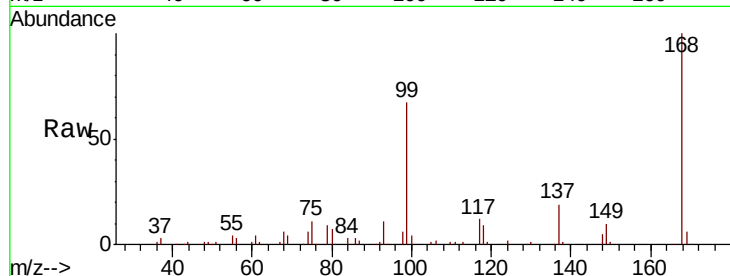
PAR-12-C2-(0)

Tgt Ion:168 Resp: 195785

Ion Ratio Lower Upper

168 100

99 66.9 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

40000

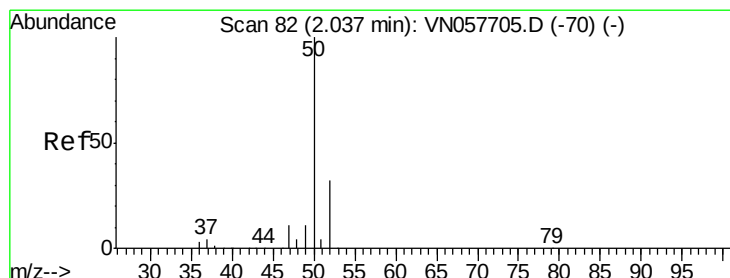
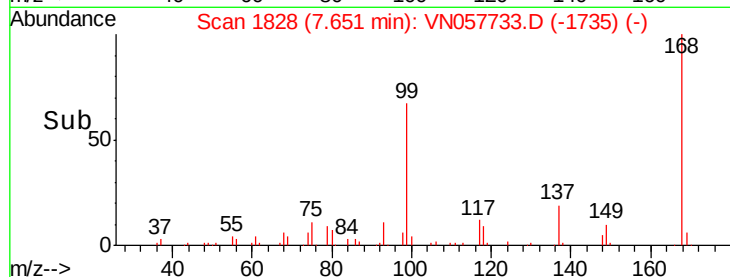
20000

0

Time-->

7.60

7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057733.D

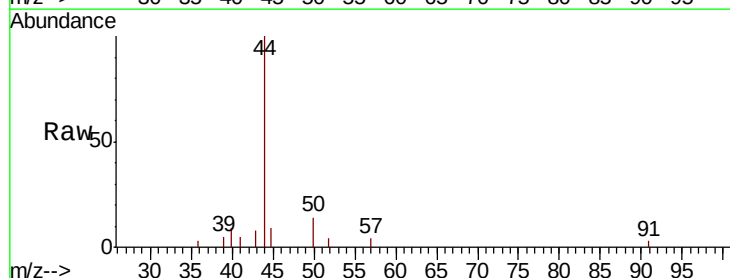
Acq: 6 Sep 2019 23:00

Tgt Ion: 50 Resp: 1231

Ion Ratio Lower Upper

50 100

52 31.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

600

400

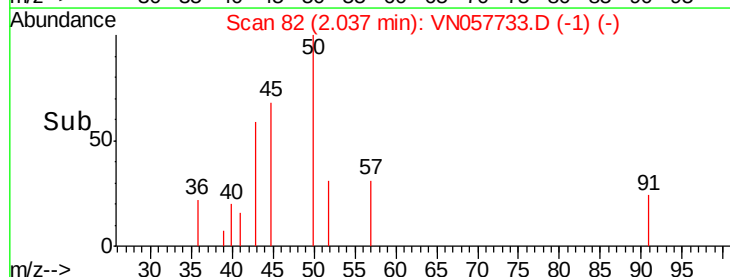
200

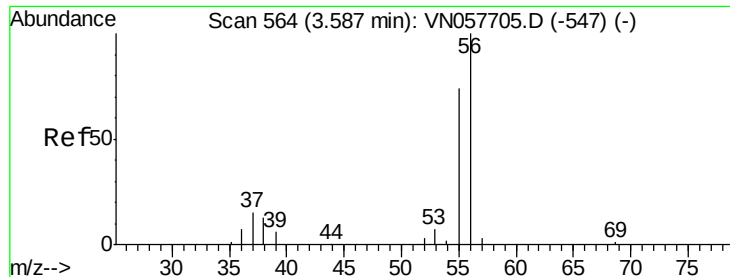
0

Time-->

2.00

2.05





#13

Acrolein

Concen: 0.237 ug/l

RT: 3.36 min Scan# 493

Delta R.T. -0.23 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

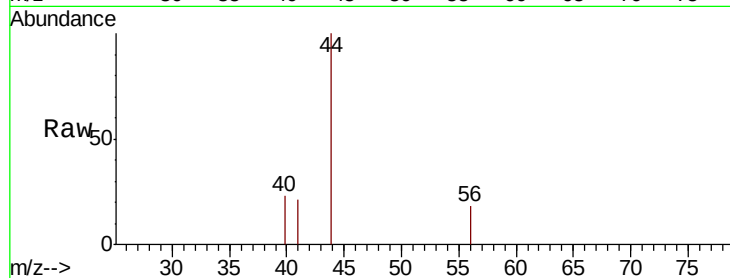
PAR-12-C2-(0)

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

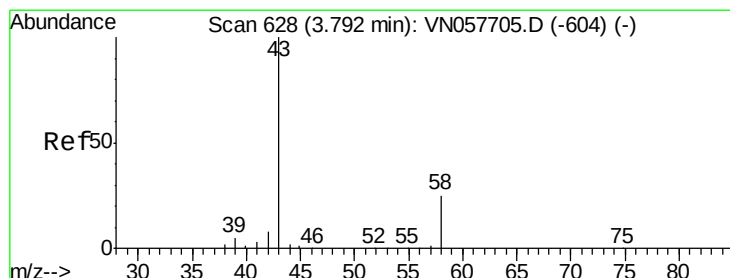
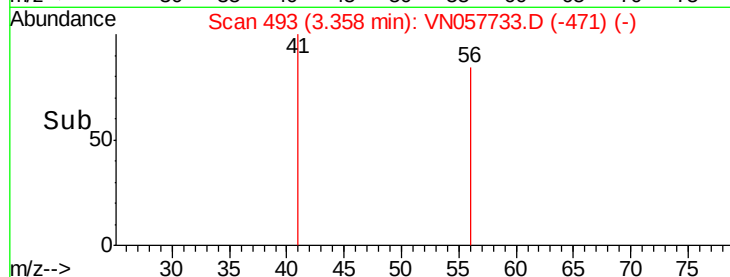
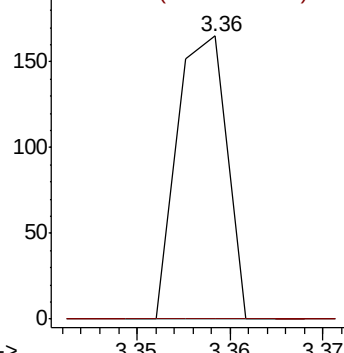
56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 5.967 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057733.D

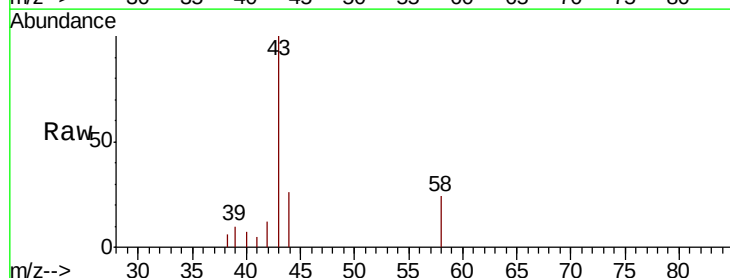
Acq: 6 Sep 2019 23:00

Tgt Ion: 43 Resp: 8746

Ion Ratio Lower Upper

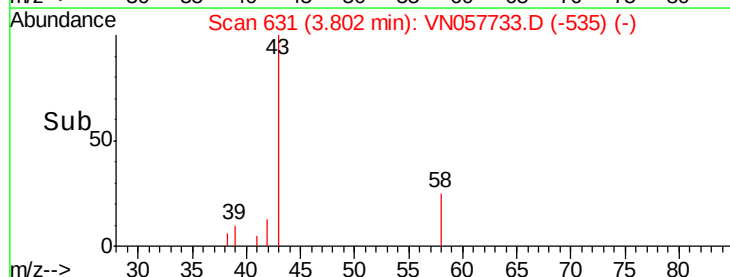
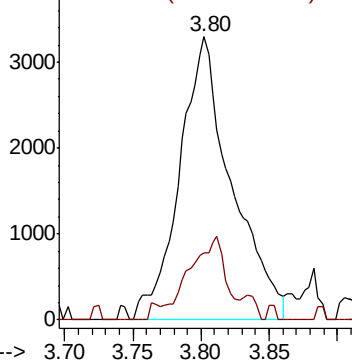
43 100

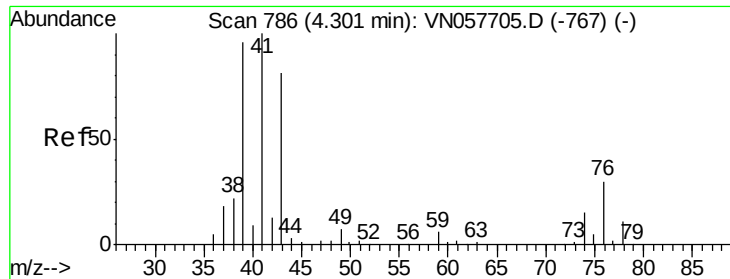
58 23.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

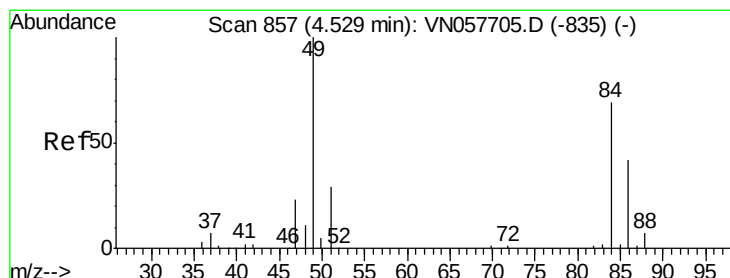
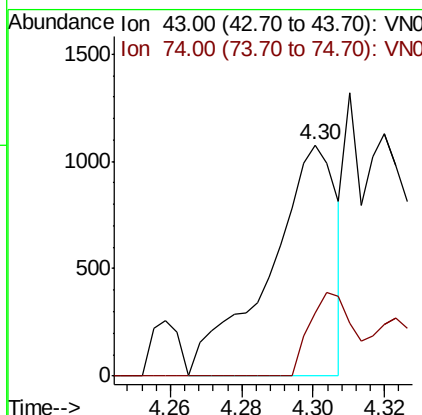
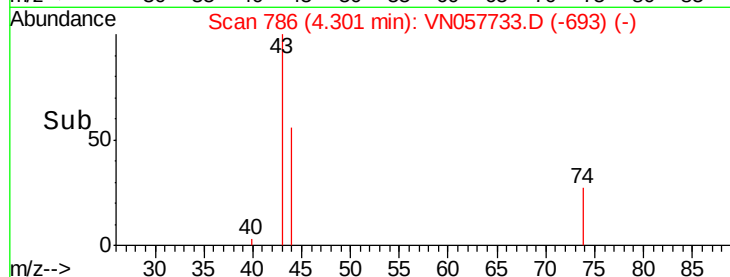
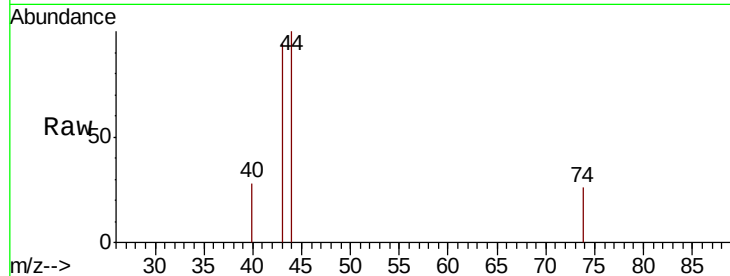




#18
Methyl Acetate
Concen: 0.352 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

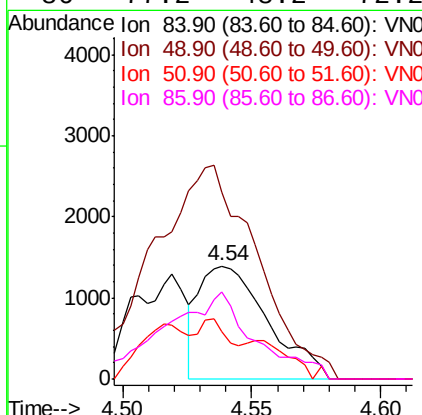
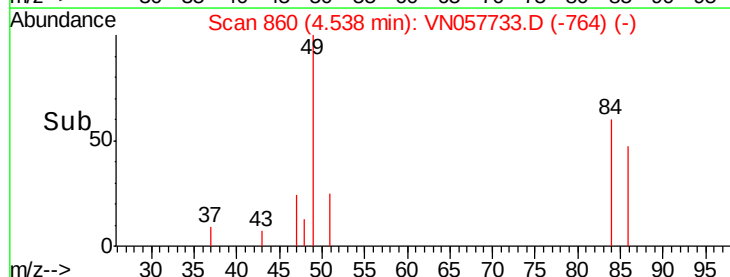
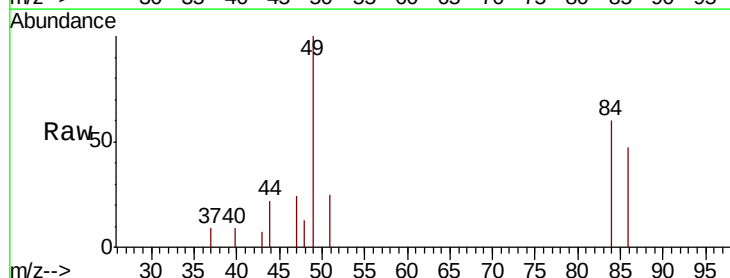
Instrument :
MSVOA_N
ClientSampled :
PAR-12-C2-(0)

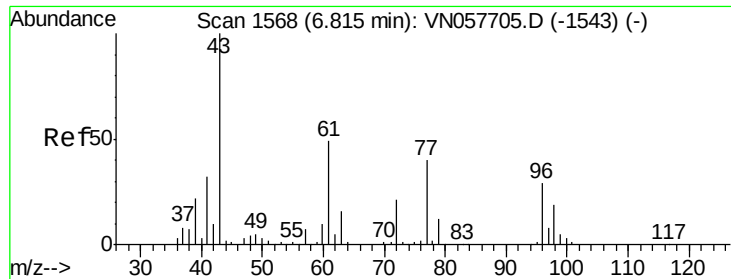
Tgt Ion: 43 Resp: 1402
Ion Ratio Lower Upper
43 100
74 22.7 15.3 22.9



#20
Methylene Chloride
Concen: 0.810 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion: 84 Resp: 2568
Ion Ratio Lower Upper
84 100
49 165.6 115.0 172.6
51 42.2 33.8 50.8
86 77.2 48.2 72.2#





#25

2-Butanone

Concen: 1.152 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampled :

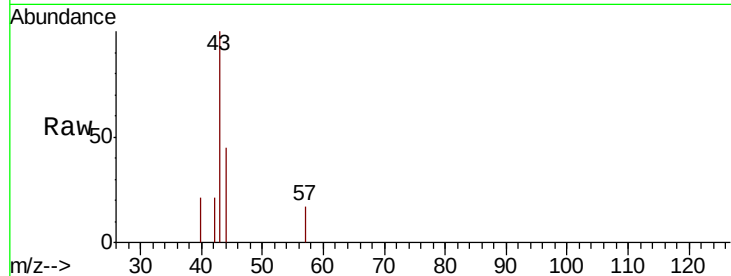
PAR-12-C2-(0)

Tgt Ion: 43 Resp: 2419

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1543) (-)

Ion 72.00 (71.70 to 72.70): VN057705.D (-1543) (-)

6.83

1000

800

600

400

200

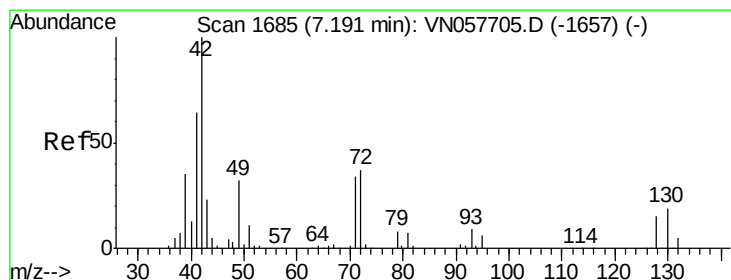
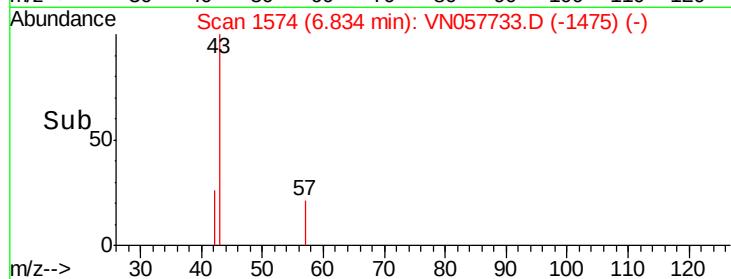
0

6.80

6.85

6.90

Time-->



#29

Tetrahydrofuran

Concen: 0.214 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

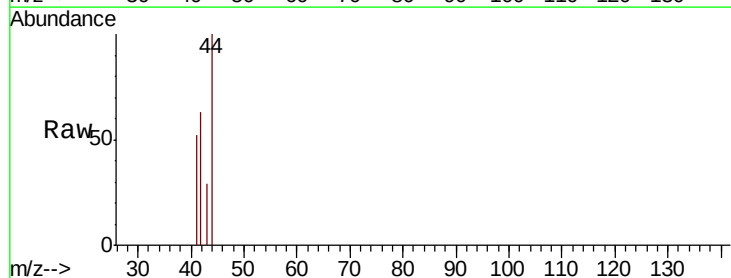
Tgt Ion: 42 Resp: 290

Ion Ratio Lower Upper

42 100

72 0.0 29.2 43.8#

71 0.0 27.0 40.4#



Abundance Ion 42.00 (41.70 to 42.70): VN057705.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN057705.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN057705.D (-1657) (-)

400

300

200

100

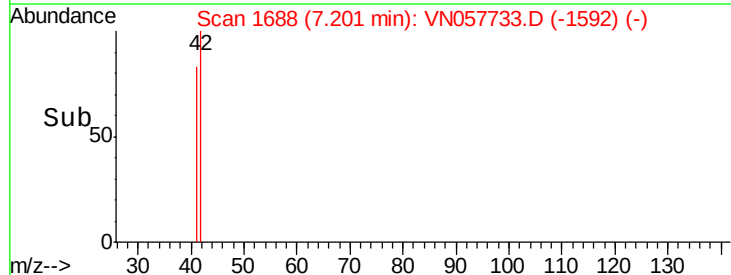
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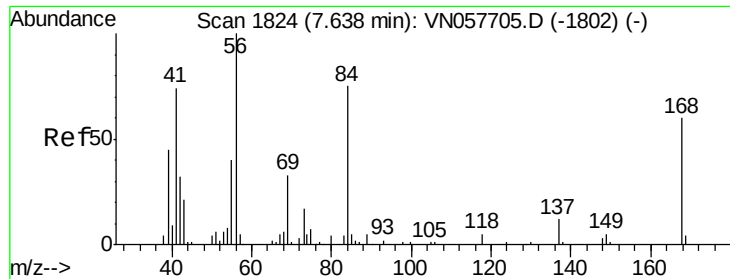
7.18

7.20

7.22

Time-->

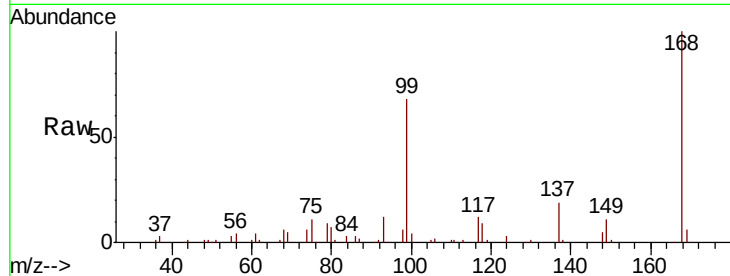




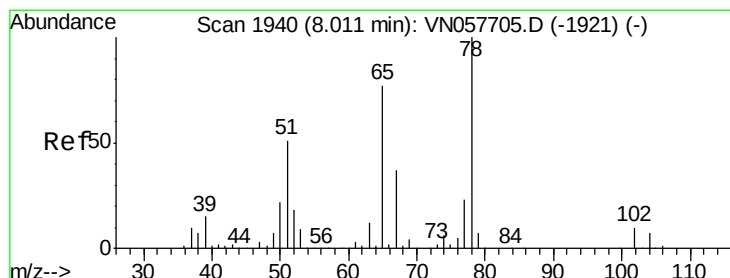
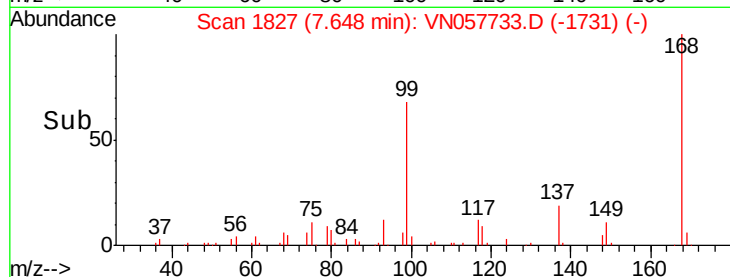
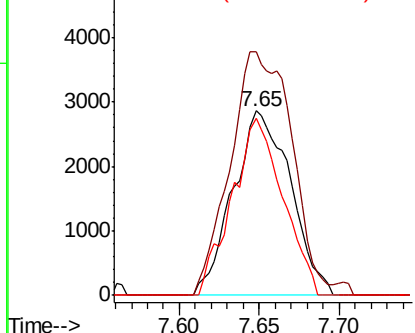
#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Instrument :
MSVOA_N
ClientSampleId :
PAR-12-C2-(0)

Tgt Ion: 56 Resp: 7032
Ion Ratio Lower Upper
56 100
69 132.1 26.2 39.2#
84 96.2 59.8 89.8#

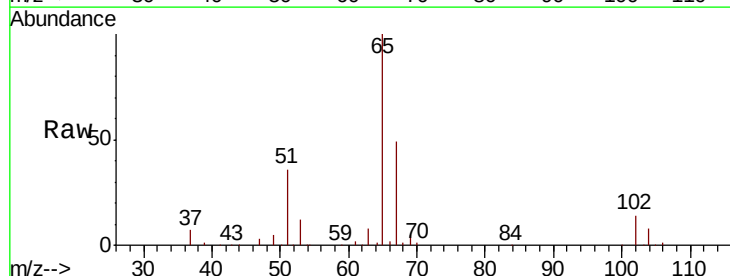


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

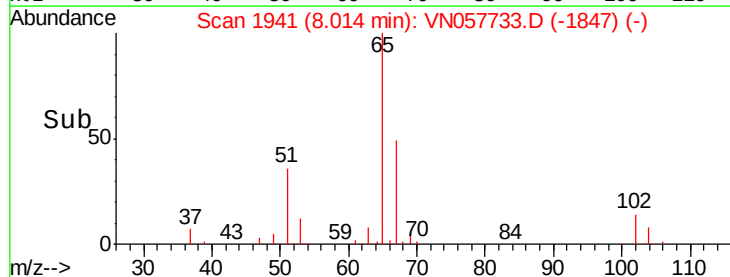
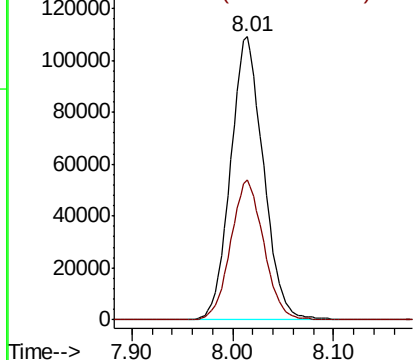


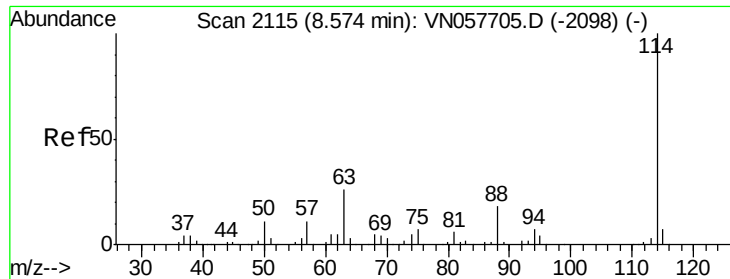
#33
1,2-Dichloroethane-d4
Concen: 51.893 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion: 65 Resp: 247159
Ion Ratio Lower Upper
65 100
67 49.5 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

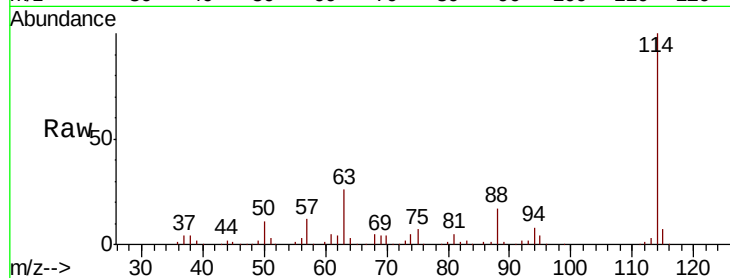




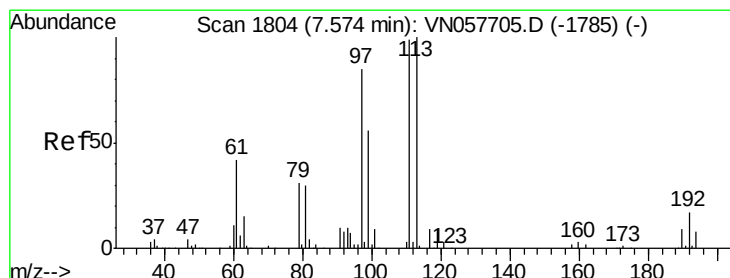
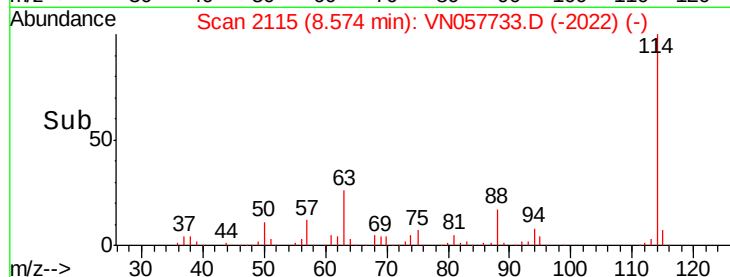
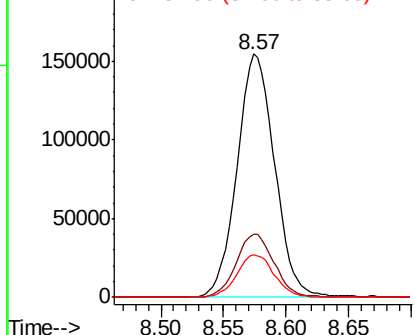
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Instrument :
MSVOA_N
ClientSampleId :
PAR-12-C2-(0)

Tgt Ion:114 Resp: 321773
Ion Ratio Lower Upper
114 100
63 25.9 0.0 52.4
88 17.5 0.0 35.4

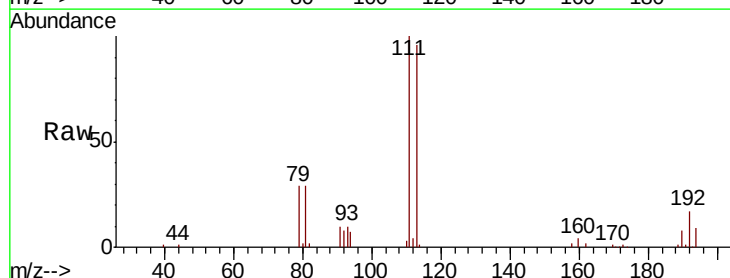


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

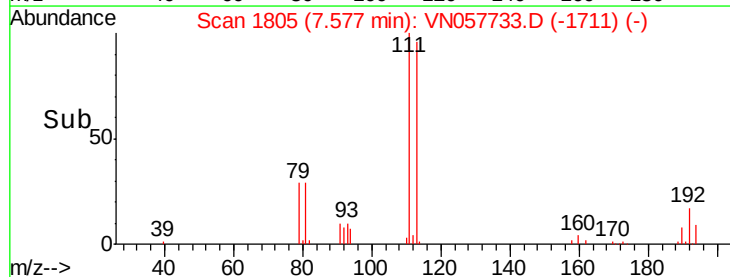
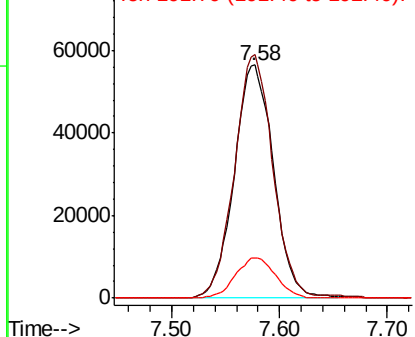


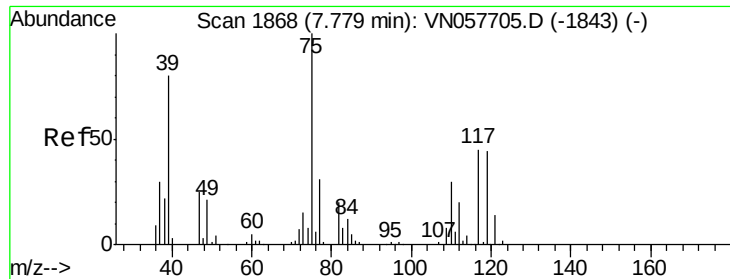
#35
Dibromofluoromethane
Concen: 48.863 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion:113 Resp: 143210
Ion Ratio Lower Upper
113 100
111 101.5 82.7 124.1
192 17.8 13.8 20.6



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

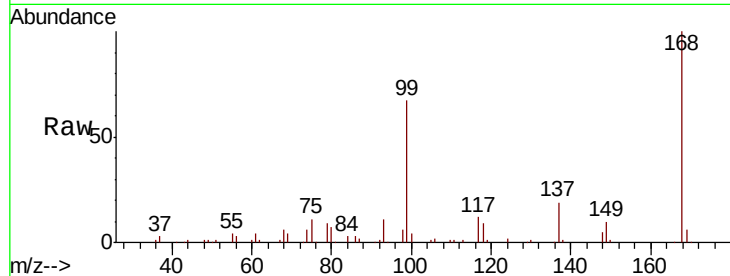




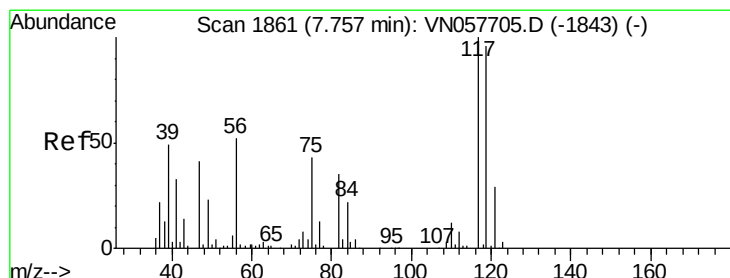
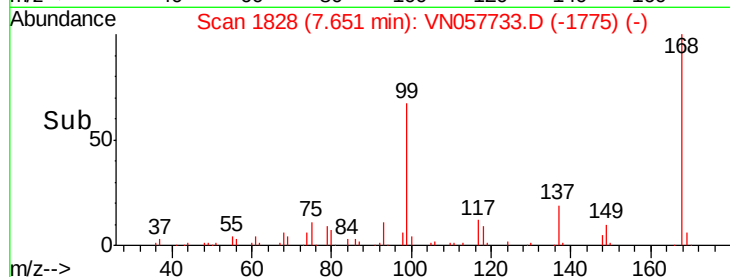
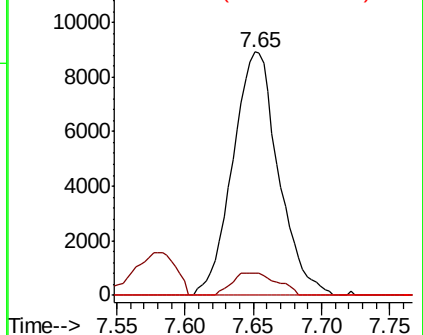
#36
 1,1-Dichloropropene
 Concen: 4.844 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057733.D
 Acq: 6 Sep 2019 23:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-12-C2-(0)

Tgt Ion: 75 Resp: 20736
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.0 45.0#
 77 0.0 24.6 37.0#

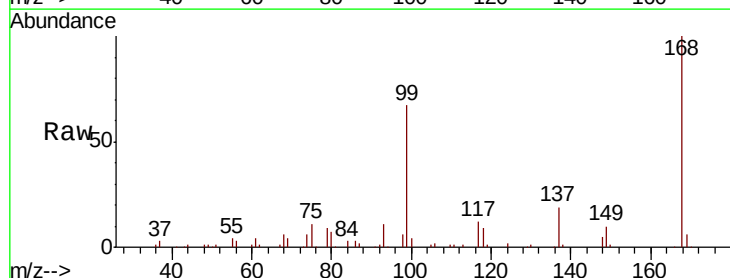


Abundance Ion 74.90 (74.60 to 75.60): VN057733.D (-1775) (-)
 Ion 109.90 (109.60 to 110.60): VN057733.D (-1775) (-)
 Ion 76.90 (76.60 to 77.60): VN057733.D (-1775) (-)

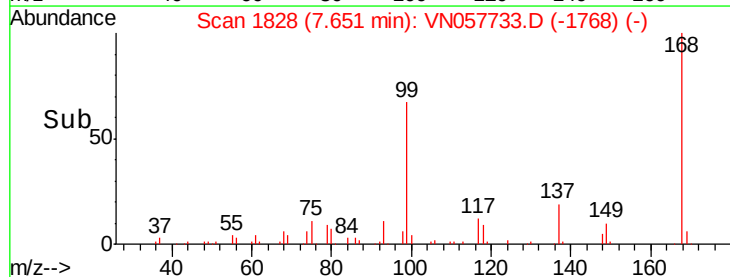
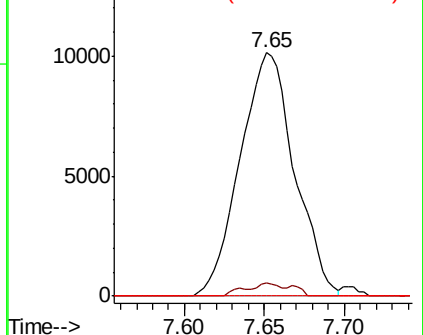


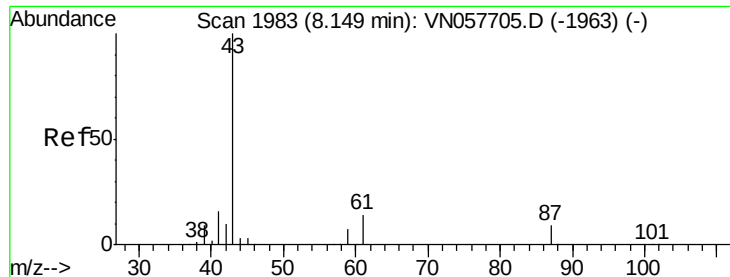
#38
 Carbon Tetrachloride
 Concen: 5.777 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057733.D
 Acq: 6 Sep 2019 23:00

Tgt Ion: 117 Resp: 23681
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.1 114.1#
 121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN057733.D (-1768) (-)
 Ion 118.80 (118.50 to 119.50): VN057733.D (-1768) (-)
 Ion 120.80 (120.50 to 121.50): VN057733.D (-1768) (-)





#43

Isopropyl Acetate

Concen: 8.549 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

PAR-12-C2-(0)

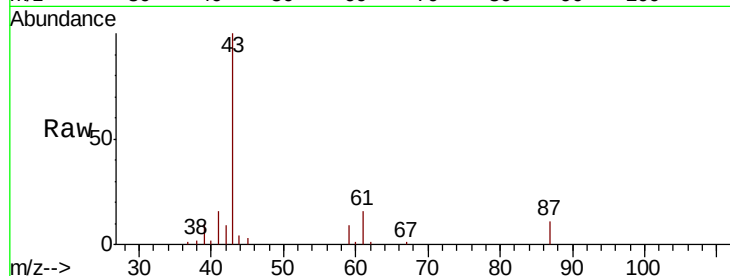
Tgt Ion: 43 Resp: 69737

Ion Ratio Lower Upper

43 100

61 15.5 12.8 19.2

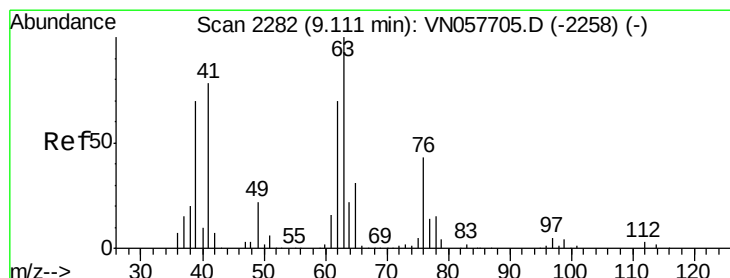
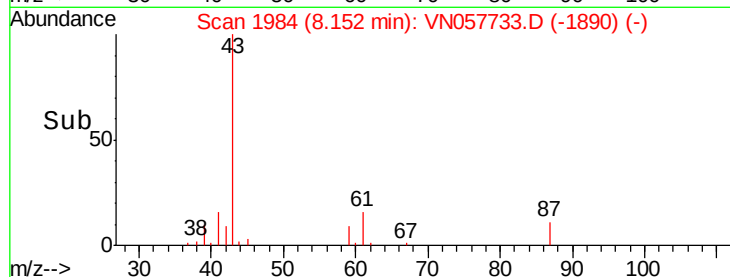
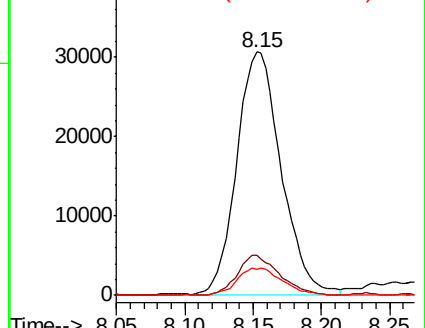
87 11.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN057705.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN057705.D (-1963) (-)



#45

1,2-Dichloropropane

Concen: 0.336 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN057733.D

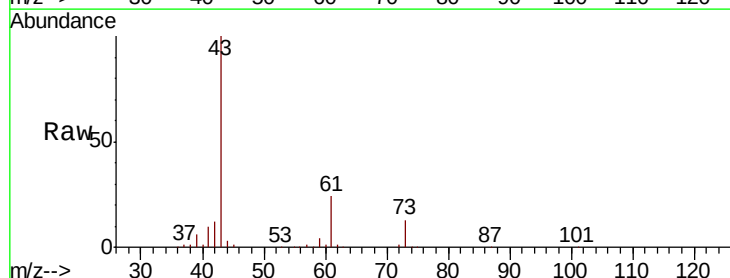
Acq: 6 Sep 2019 23:00

Tgt Ion: 63 Resp: 1138

Ion Ratio Lower Upper

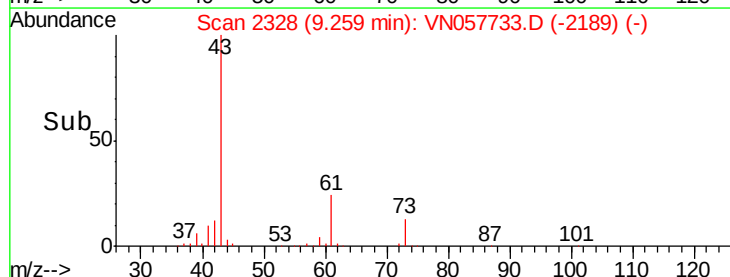
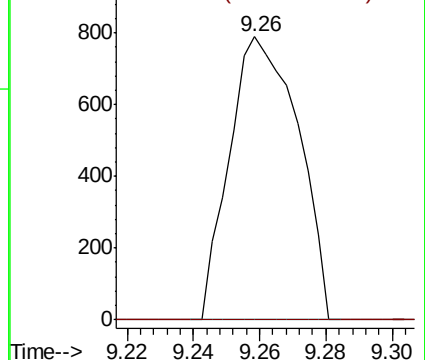
63 100

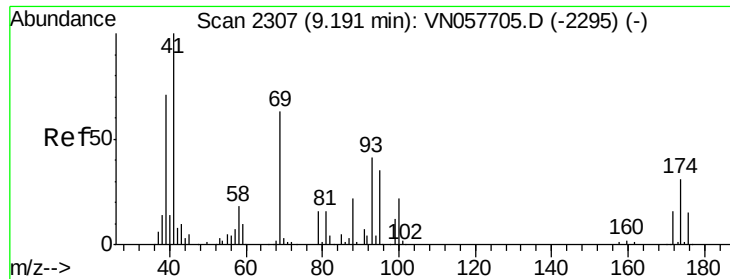
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN057705.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN057705.D (-2258) (-)

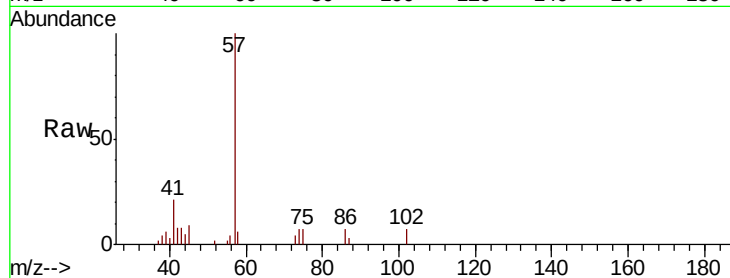




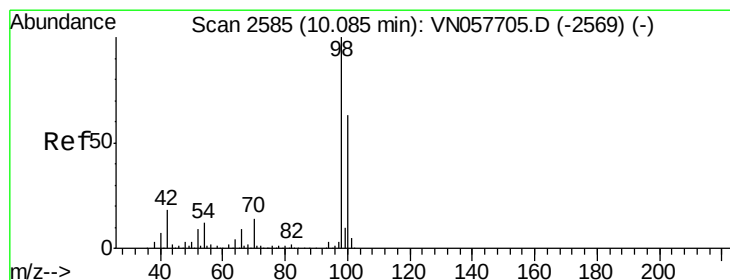
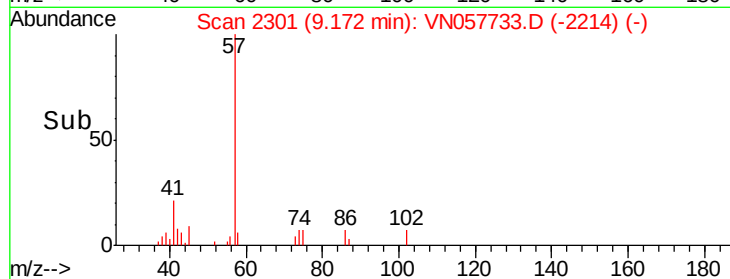
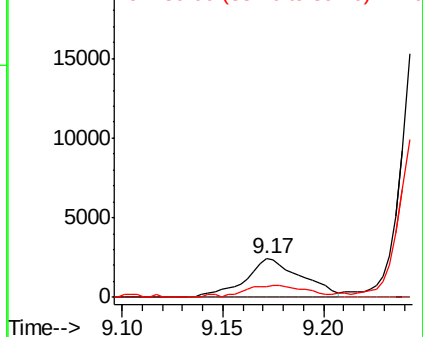
#48
Methyl methacrylate
Concen: 1.124 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Instrument :
MSVOA_N
ClientSampleId :
PAR-12-C2-(0)

Tgt Ion: 41 Resp: 4715
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#

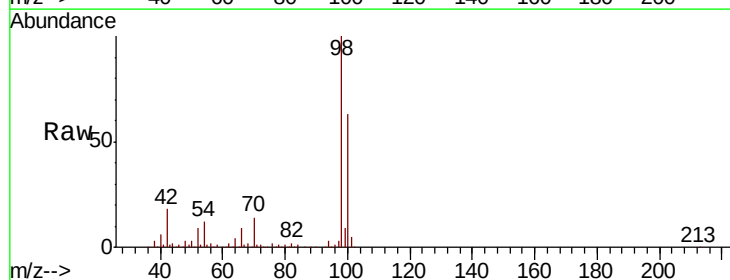


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

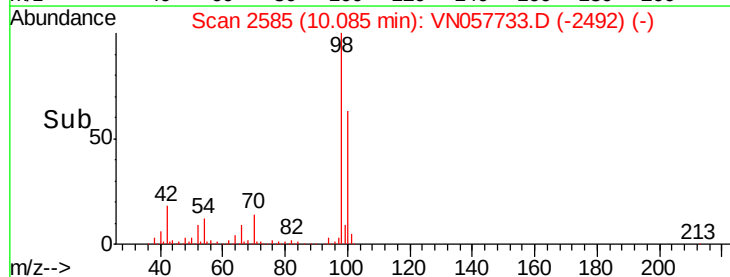
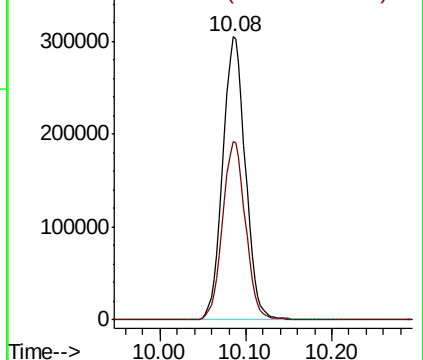


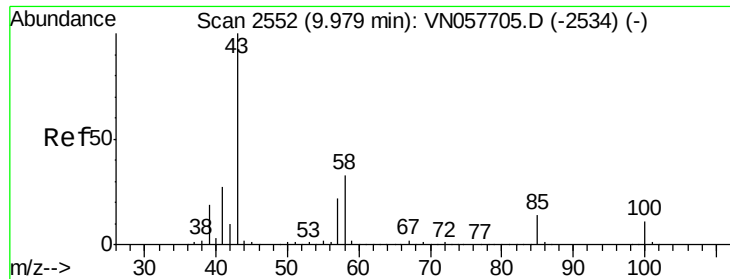
#50
Toluene-d8
Concen: 51.612 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion: 98 Resp: 559575
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.921 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

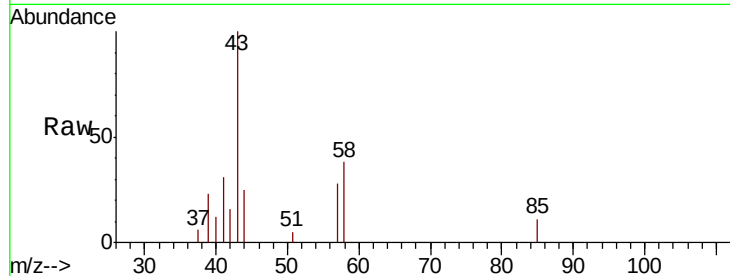
PAR-12-C2-(0)

Tgt Ion: 43 Resp: 4174

Ion Ratio Lower Upper

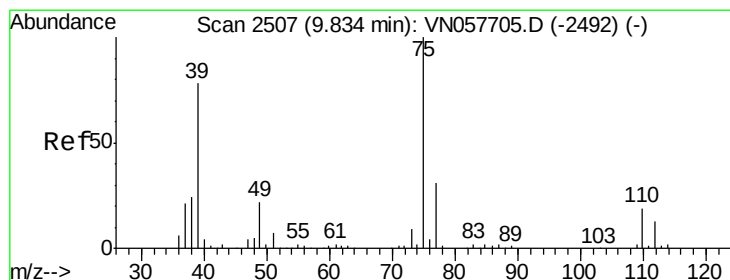
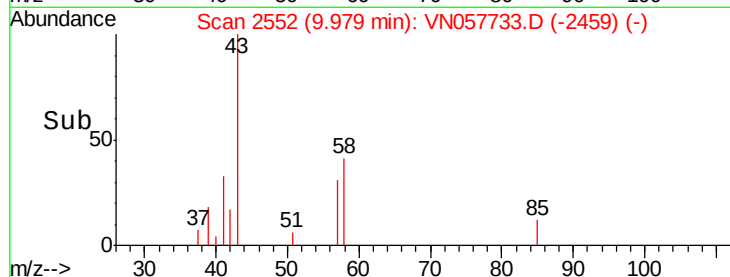
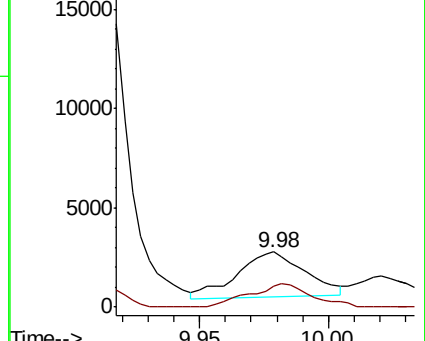
43 100

58 47.8 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.510 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

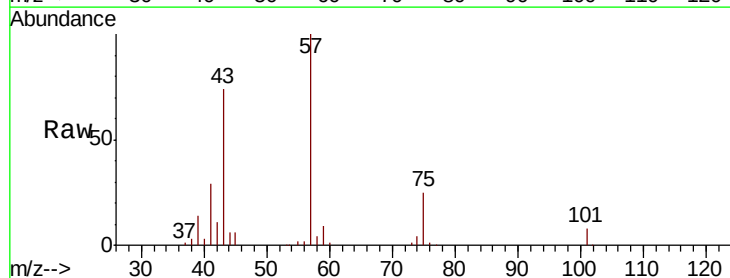
Tgt Ion: 75 Resp: 27569

Ion Ratio Lower Upper

75 100

77 1.1 25.1 37.7#

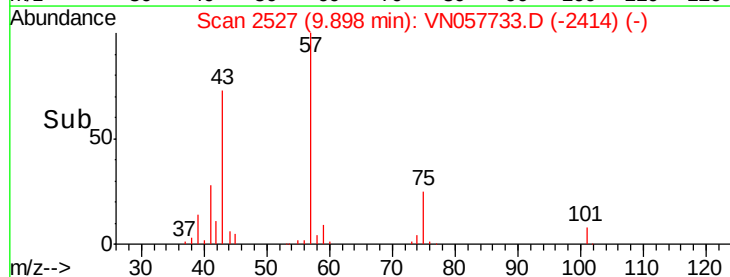
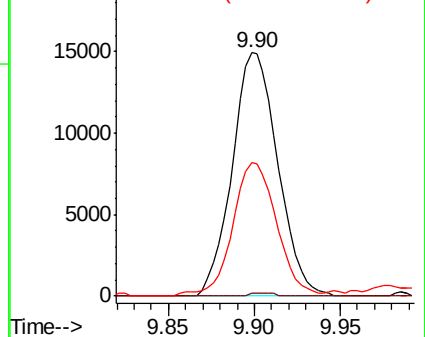
39 53.2 62.4 93.6#

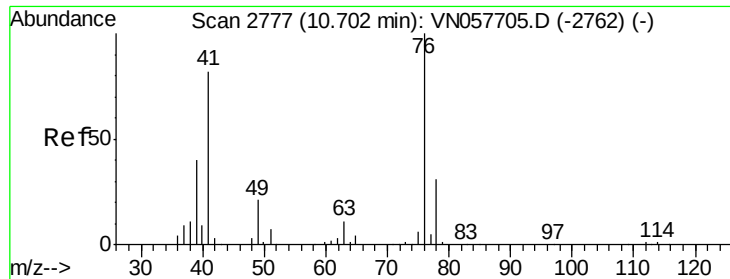


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

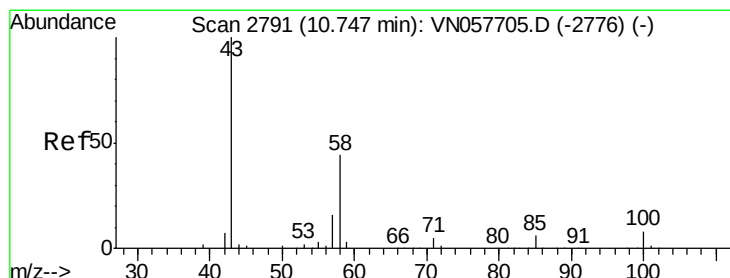
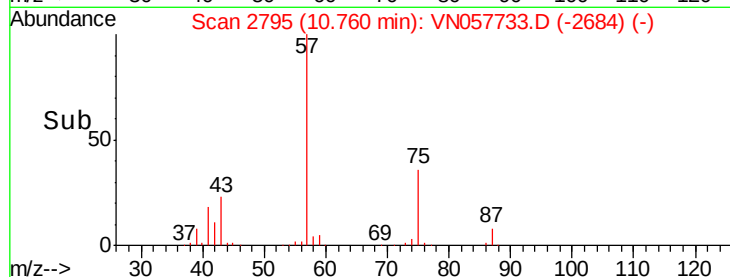
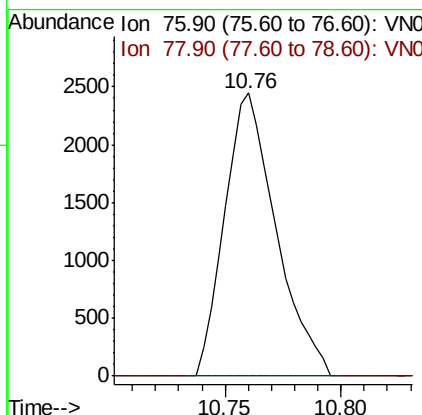
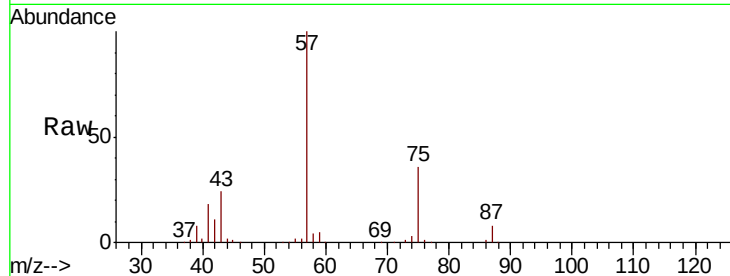




#57
 1,3-Dichloropropane
 Concen: 0.710 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057733.D
 Acq: 6 Sep 2019 23:00

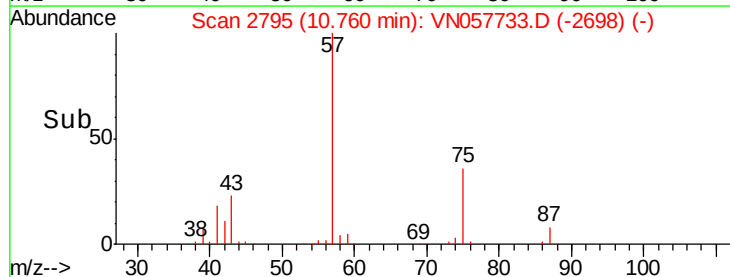
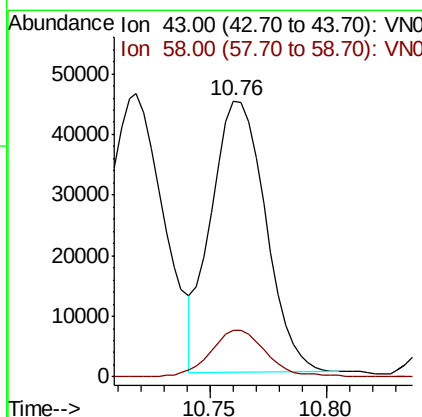
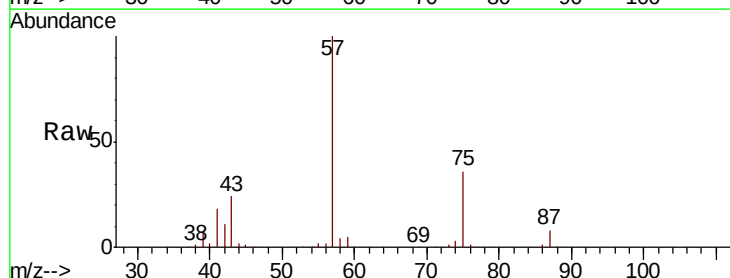
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-12-C2-(0)

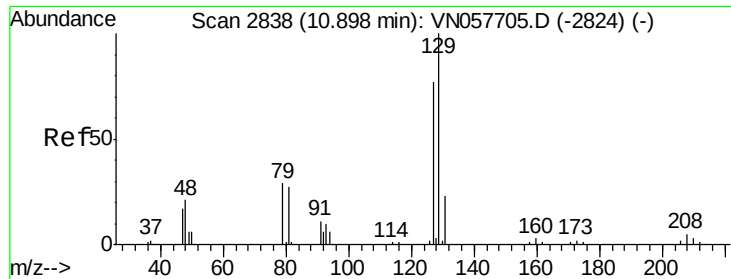
Tgt Ion: 76 Resp: 3769
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 22.941 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057733.D
 Acq: 6 Sep 2019 23:00

Tgt Ion: 43 Resp: 73283
 Ion Ratio Lower Upper
 43 100
 58 17.4 22.1 66.5#

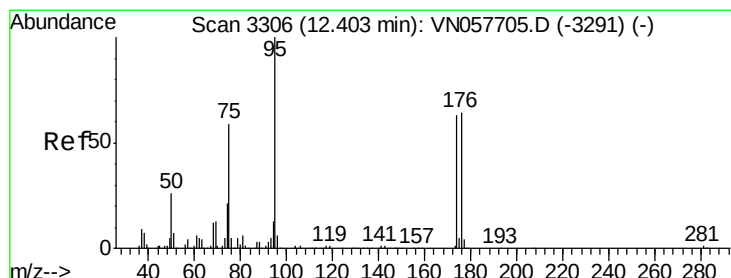
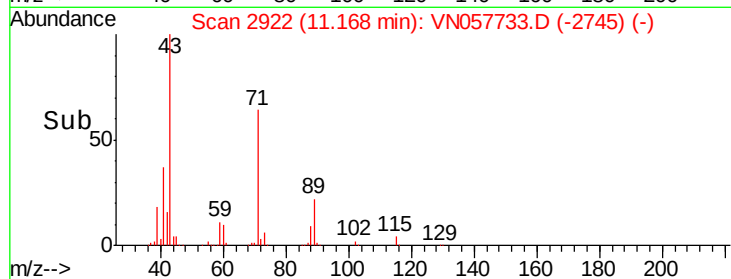
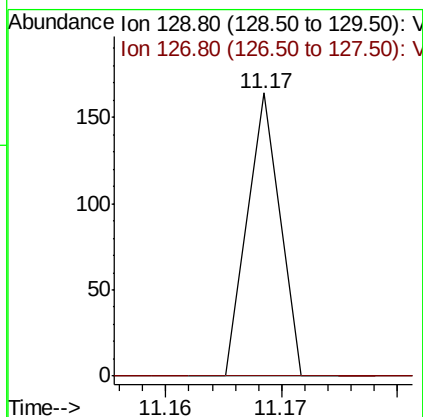
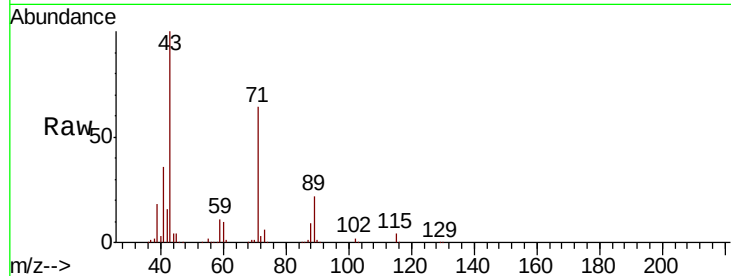




#60
Dibromochloromethane
Concen: 1.863 ug/l
RT: 11.17 min Scan# 2922
Delta R.T. 0.27 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

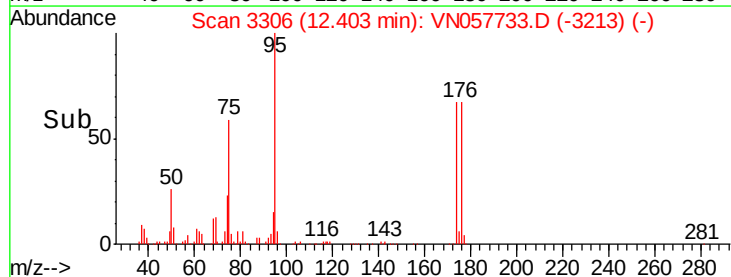
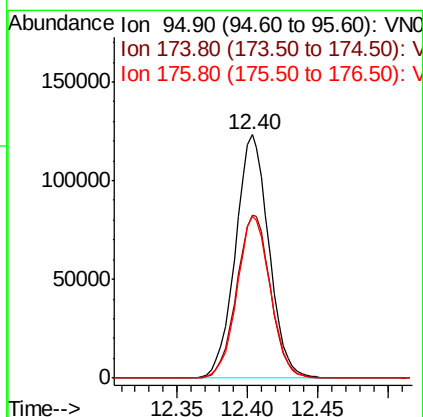
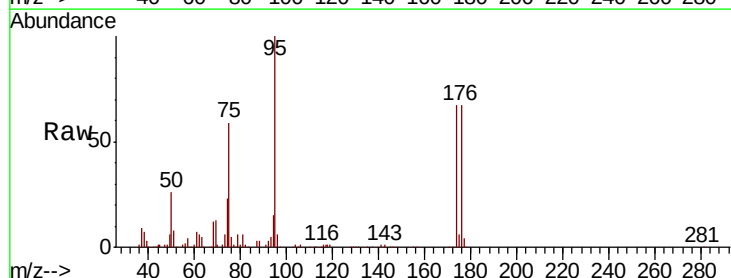
Instrument :
MSVOA_N
ClientSampleId :
PAR-12-C2-(0)

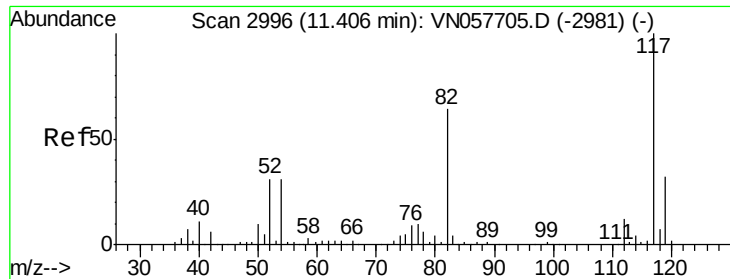
Tgt Ion: 129 Resp: 32
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.364 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion: 95 Resp: 204283
Ion Ratio Lower Upper
95 100
174 67.9 0.0 128.0
176 66.2 0.0 128.0

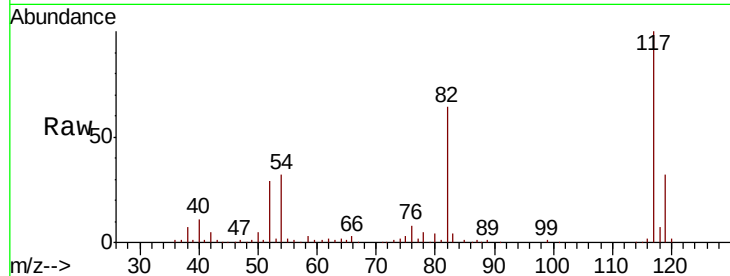




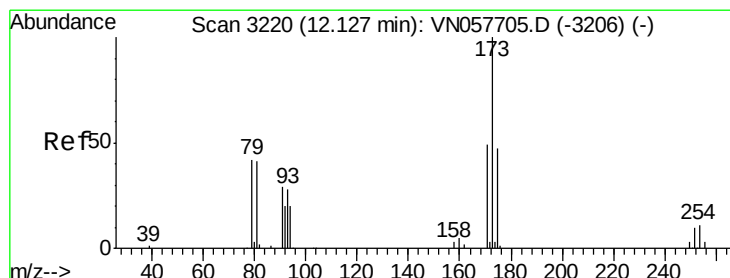
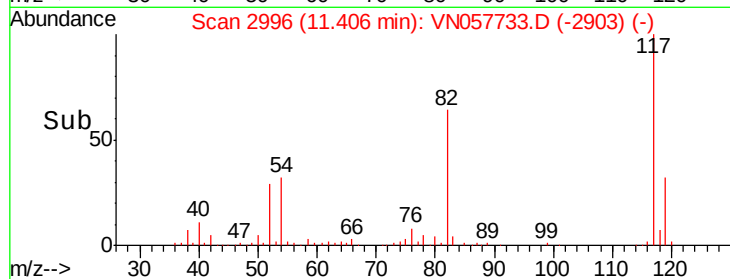
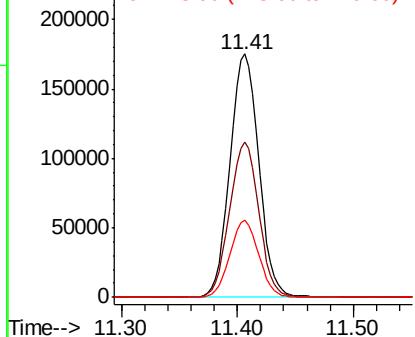
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Instrument :
MSVOA_N
ClientSampleId :
PAR-12-C2-(0)

Tgt Ion:117 Resp: 300221
Ion Ratio Lower Upper
117 100
82 63.6 51.4 77.0
119 31.7 25.4 38.2

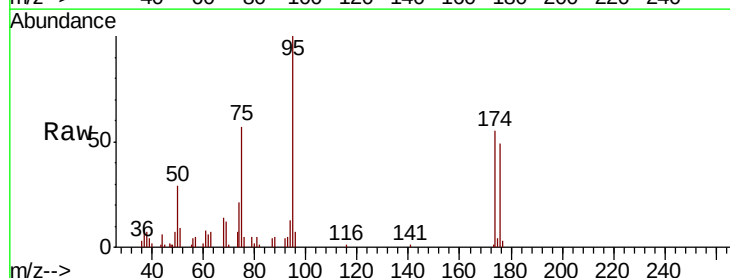


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

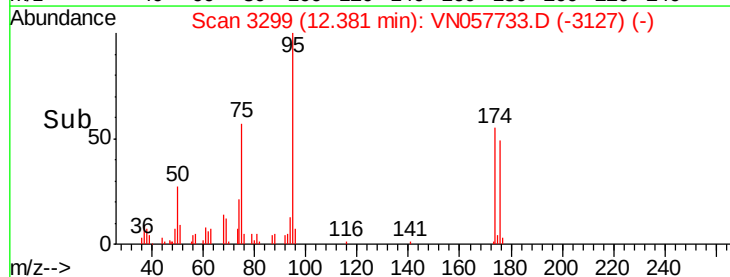
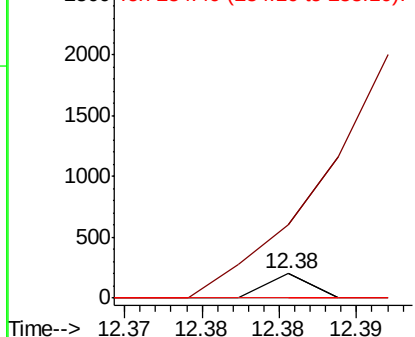


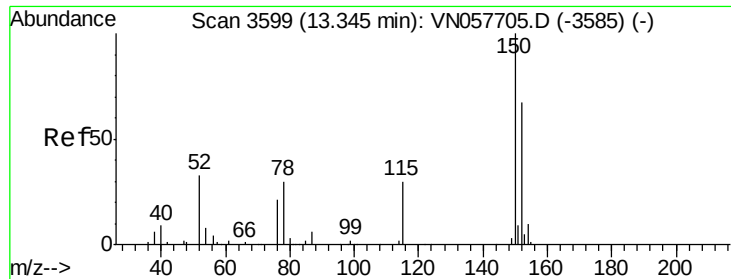
#71
Bromoform
Concen: 3.259 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN057733.D
Acq: 6 Sep 2019 23:00

Tgt Ion:173 Resp: 38
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

PAR-12-C2-(0)

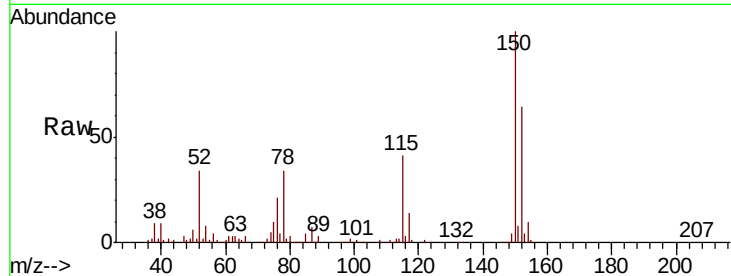
Tgt Ion:152 Resp: 153534

Ion Ratio Lower Upper

152 100

115 64.4 33.8 101.3

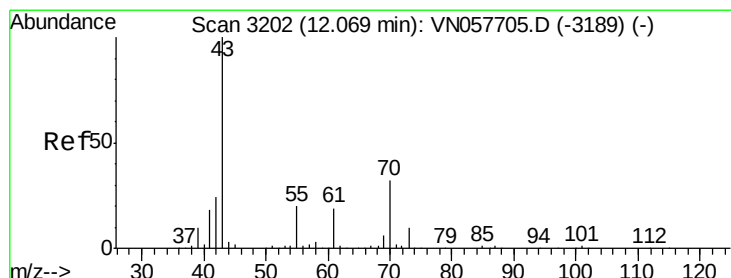
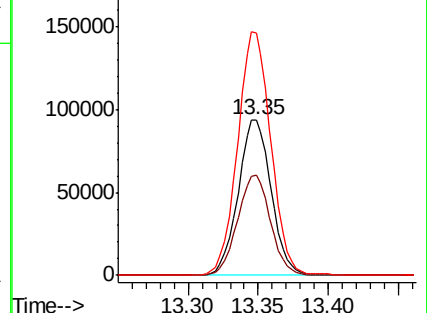
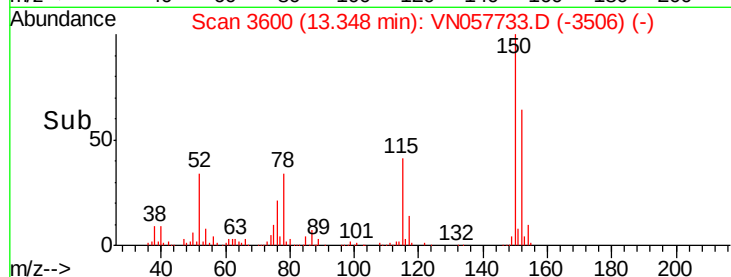
150 157.7 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.419 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Tgt Ion: 43 Resp: 2841

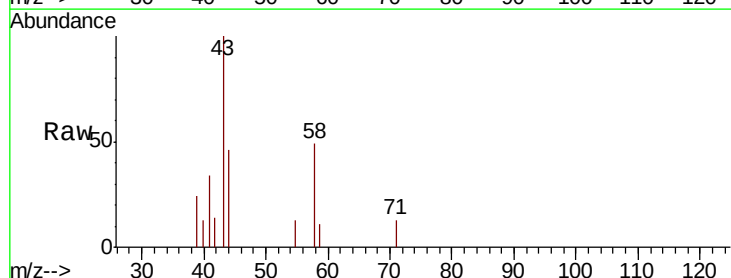
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 6.2 16.3 24.5#

61 0.0 15.0 22.4#

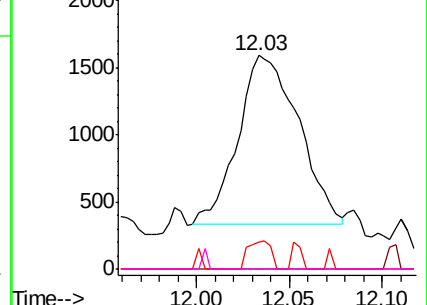
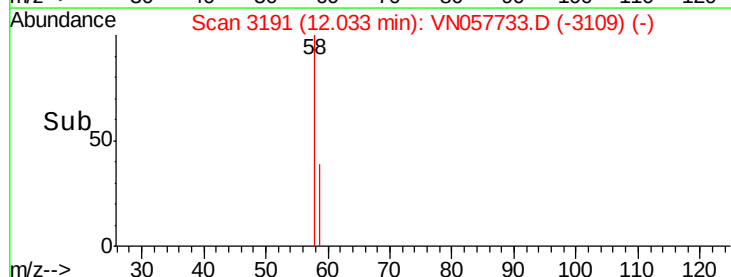


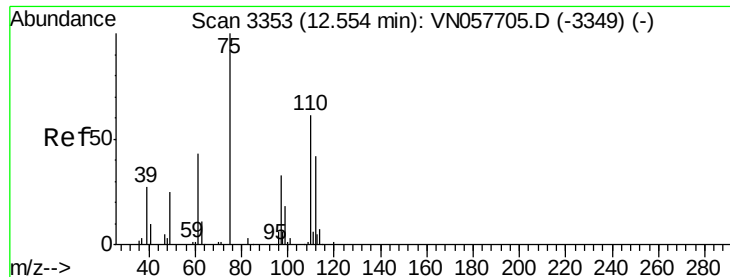
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 34.704 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Instrument :

MSVOA_N

ClientSampleId :

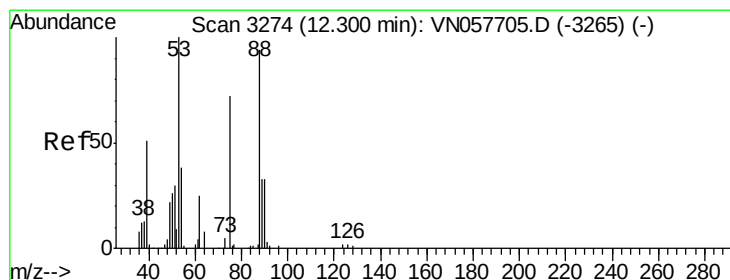
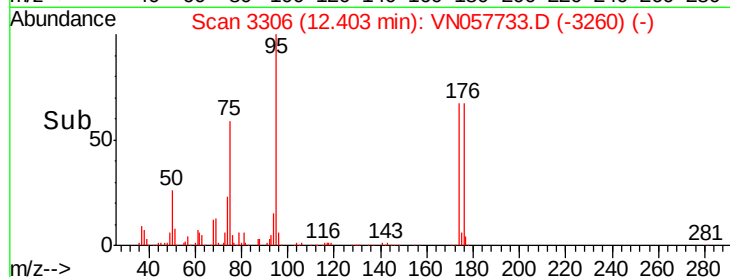
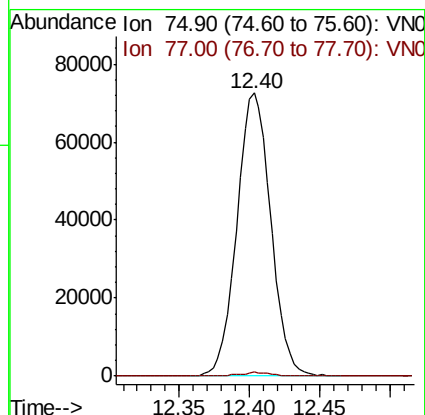
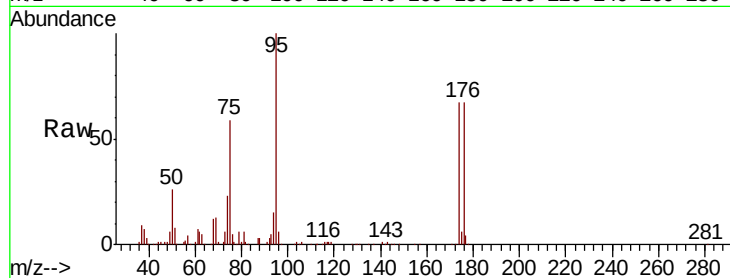
PAR-12-C2-(0)

Tgt Ion: 75 Resp: 122355

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.929 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057733.D

Acq: 6 Sep 2019 23:00

Tgt Ion: 75 Resp: 122355

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

