

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058732.D
 Acq On : 12 Oct 2019 3:23
 Operator : JC/SP
 Sample : K5266-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 05:49:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	432615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	297768	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
35) Dibromofluoromethane	7.57	113	215423	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.08	98	843131	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	279467	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds

						Qvalue
3) Chloromethane	2.04	50	1334	0.208	ug/l	93
4) Vinyl Chloride	2.17	62	48232	7.558	ug/l	97
6) Chloroethane	2.69	64	3209	0.815	ug/l #	86
8) Diethyl Ether	3.39	74	644	0.228	ug/l	75
12) 1,1-Dichloroethene	3.72	96	23630	5.688	ug/l	97
13) Acrolein	3.59	56	298	0.378	ug/l	92
14) Allyl chloride	4.52	41	1647572	196.506	ug/l #	24
16) Acetone	3.80	43	25581	10.202	ug/l	99
17) Carbon Disulfide	4.04	76	5775	0.435	ug/l	96
18) Methyl Acetate	4.52	43	182819	28.744	ug/l	99
20) Methylene Chloride	4.52	84	16941757	3232.979	ug/l #	62
24) 1,1-Dichloroethane	5.83	63	136857	14.740	ug/l	99
25) 2-Butanone	6.82	43	4707	1.299	ug/l #	13
27) cis-1,2-Dichloroethene	6.81	96	326695	60.284	ug/l	87
28) Bromochloromethane	7.19	49	855	0.265	ug/l #	84
30) Chloroform	7.36	83	3314	0.355	ug/l	96
31) Cyclohexane	7.64	56	12681	1.427	ug/l #	13
32) 1,1,1-Trichloroethane	7.55	97	49427	6.213	ug/l	98
36) 1,1-Dichloropropene	7.65	75	36126	5.315	ug/l #	50
38) Carbon Tetrachloride	7.65	117	42787	6.459	ug/l #	17
39) Methylcyclohexane	9.07	83	4960	0.629	ug/l	92
42) 1,2-Dichloroethane	8.11	62	14741	1.965	ug/l	85
43) Isopropyl Acetate	8.15	43	108299	9.248	ug/l #	92
44) Trichloroethene	8.82	130	1639	0.338	ug/l	70
45) 1,2-Dichloropropane	9.26	63	2220	0.425	ug/l #	45
48) Methyl methacrylate	9.17	41	6389	1.204	ug/l #	14
49) 1,4-Dioxane	9.19	88	321	3.909	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	5598	0.851	ug/l #	82
54) cis-1,3-Dichloropropene	9.90	75	41297	5.026	ug/l #	65
55) 1,1,2-Trichloroethane	10.56	97	1390	0.284	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	7639	0.917	ug/l #	44
59) 2-Hexanone	10.76	43	116976	23.014	ug/l #	53
60) Dibromochloromethane	10.63	129	14299	2.836	ug/l #	11
64) Tetrachloroethene	10.63	164	15971	3.783	ug/l	93

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 Response via : Initial Calibration

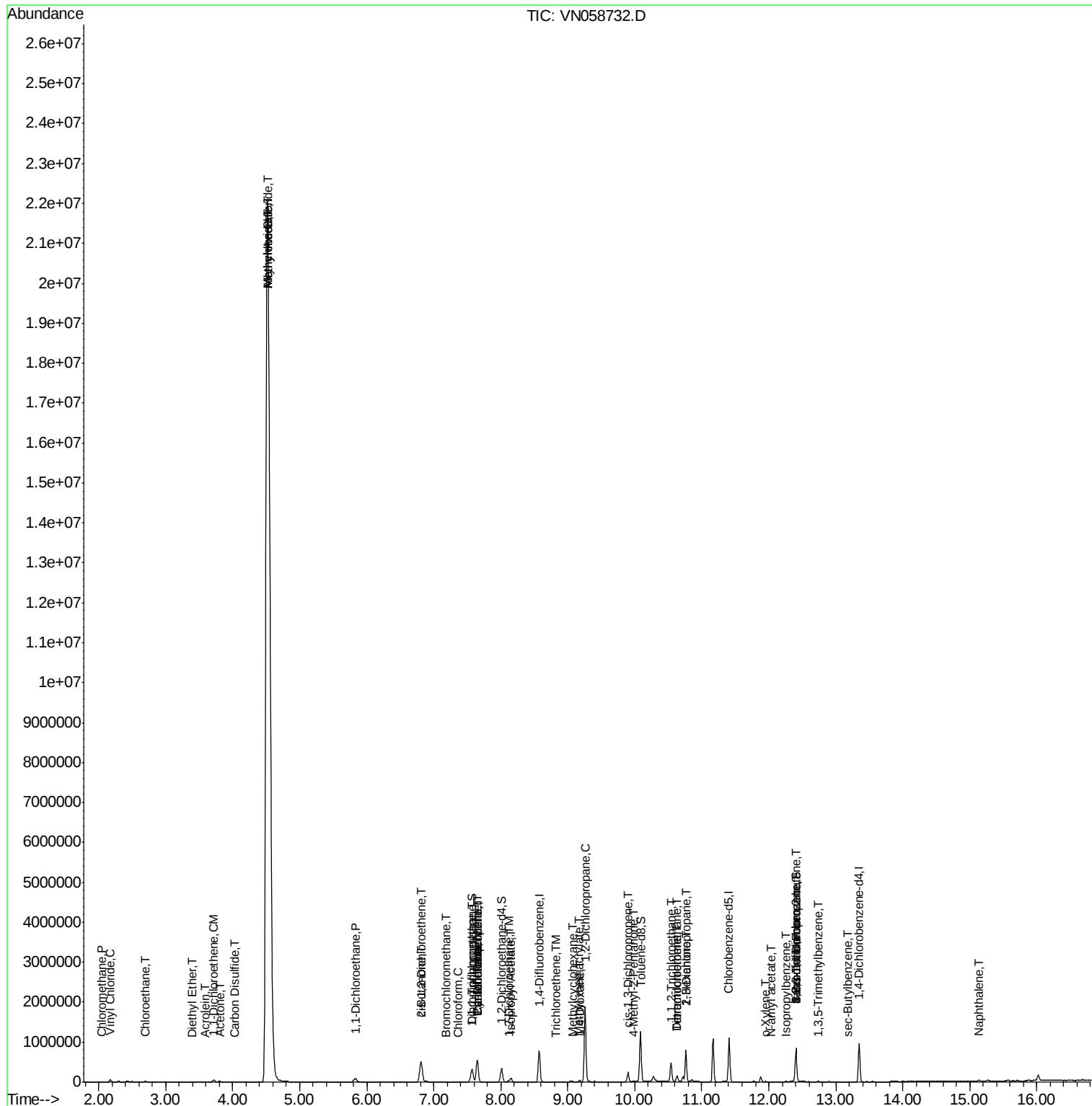
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	11.95	106	1689	0.213	ug/l	86
71) Bromoform	12.41	173	790	0.238	ug/l #	1
73) Isopropylbenzene	12.25	105	4696	0.266	ug/l	96
74) N-amyl acetate	12.03	43	5178	0.653	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	151740	28.353	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	5618	0.372	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	151740	75.950	ug/l #	11
85) sec-Butylbenzene	13.18	105	3929	0.231	ug/l	87
95) Naphthalene	15.13	128	8666	0.640	ug/l #	95

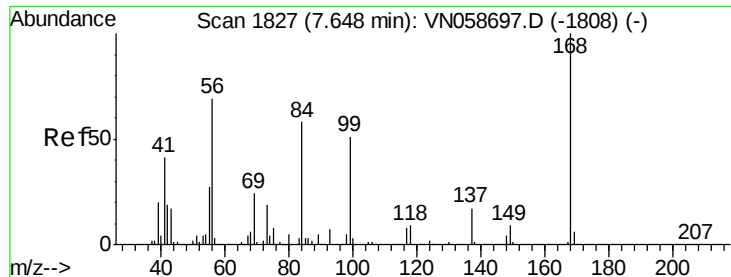
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

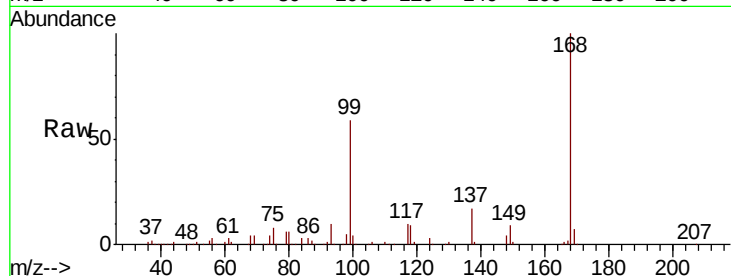
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 432615

Ion Ratio Lower Upper

168 100

99 58.4 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

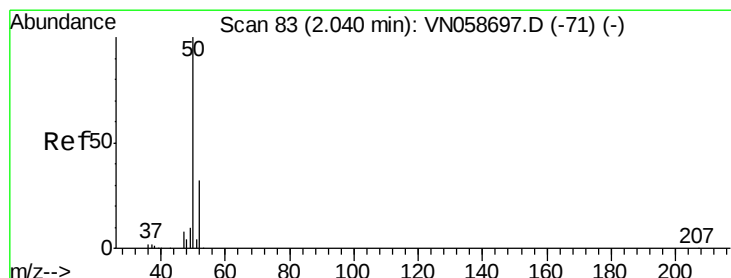
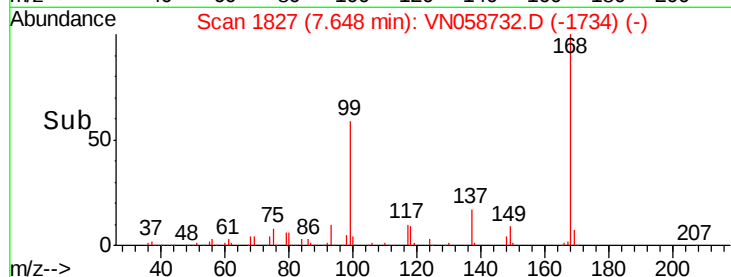
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.208 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058732.D

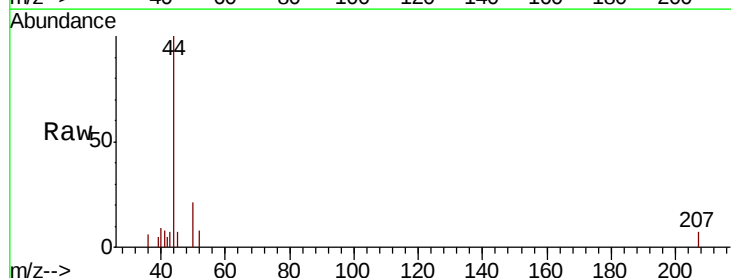
Acq: 12 Oct 2019 3:23

Tgt Ion: 50 Resp: 1334

Ion Ratio Lower Upper

50 100

52 36.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

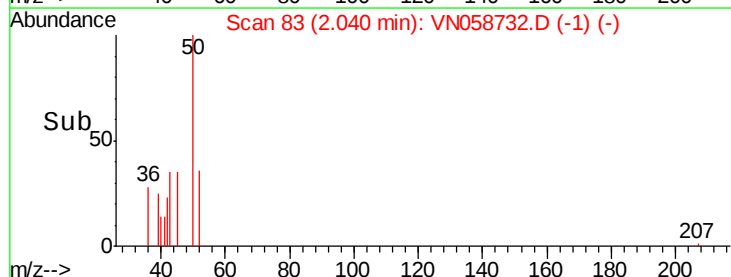
600

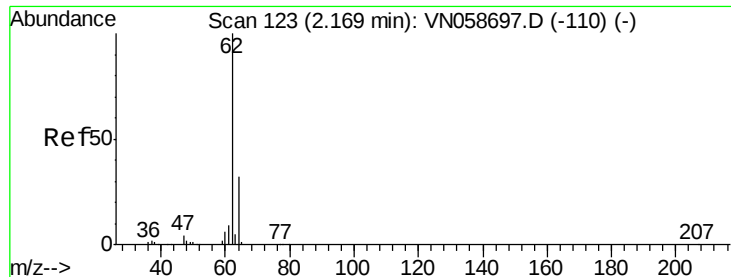
400

200

0

Time--> 2.00 2.05





#4

Vinyl Chloride

Concen: 7.558 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

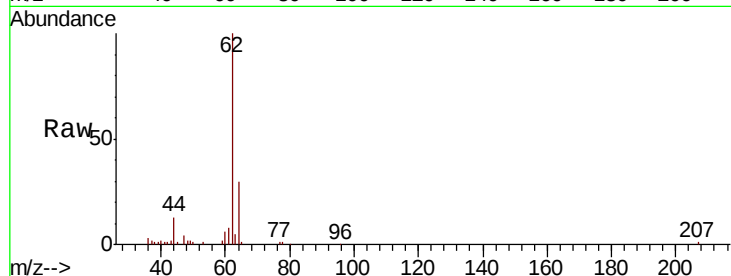
ClientSampled :

Tot Ion: 62 Resp: 48232

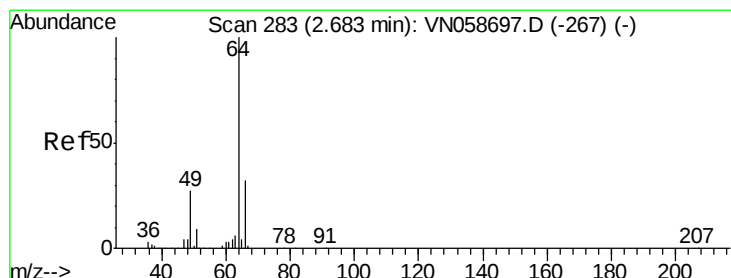
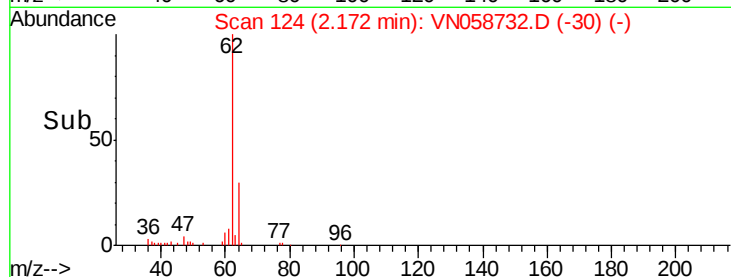
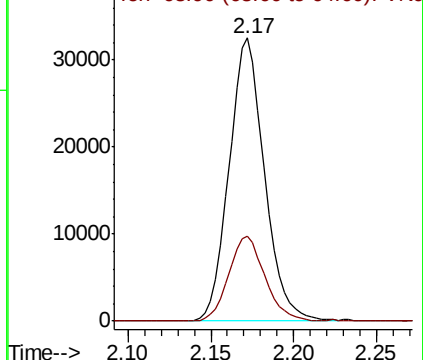
Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



#6

Chloroethane

Concen: 0.815 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058732.D

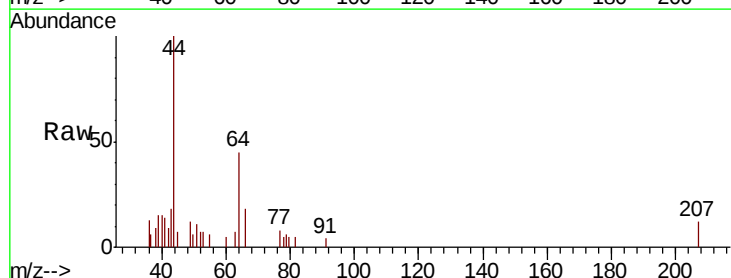
Acq: 12 Oct 2019 3:23

Tgt Ion: 64 Resp: 3209

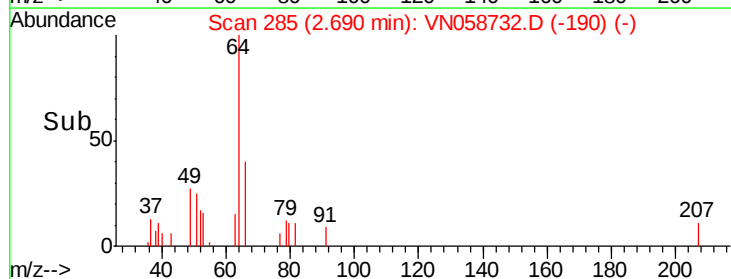
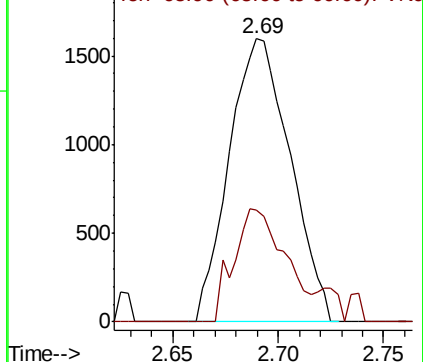
Ion Ratio Lower Upper

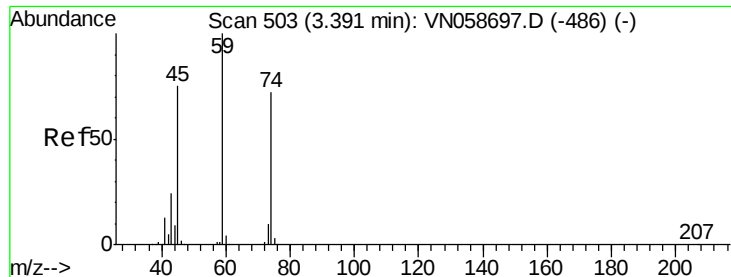
64 100

66 39.7 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#8

Diethyl Ether

Concen: 0.228 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

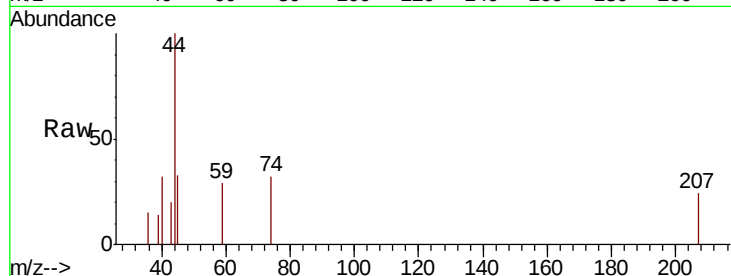
ClientSampleId :

Tot Ion: 74 Resp: 644

Ion Ratio Lower Upper

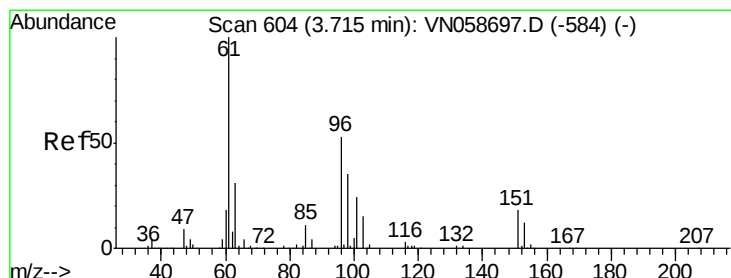
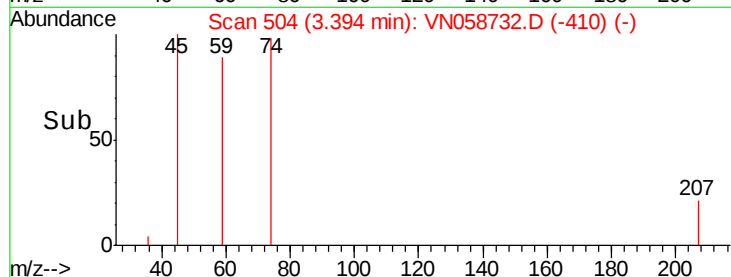
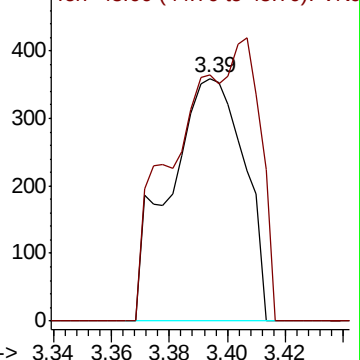
74 100

45 128.3 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#12

1,1-Dichloroethene

Concen: 5.688 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

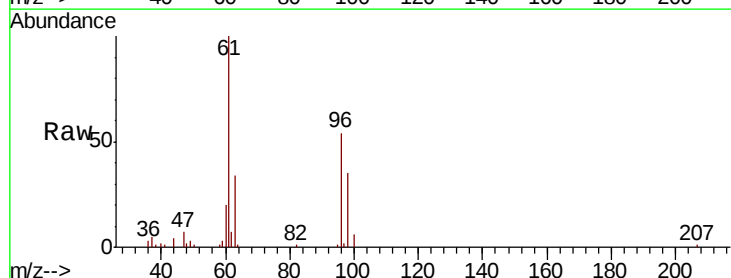
Tgt Ion: 96 Resp: 23630

Ion Ratio Lower Upper

96 100

61 183.0 151.3 226.9

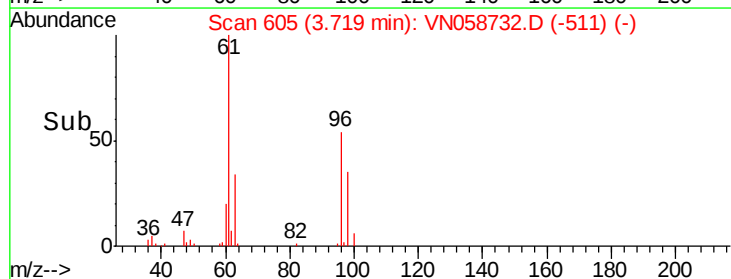
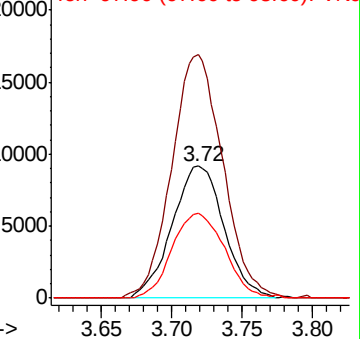
98 64.7 52.6 78.8

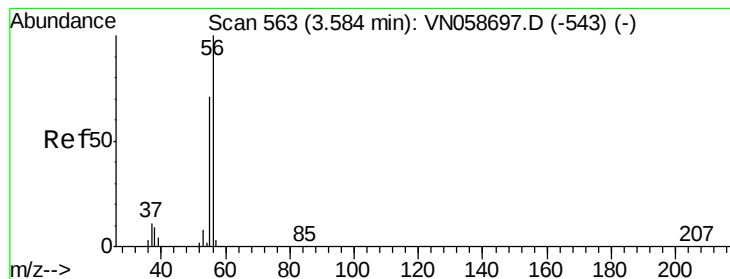


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 0.378 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

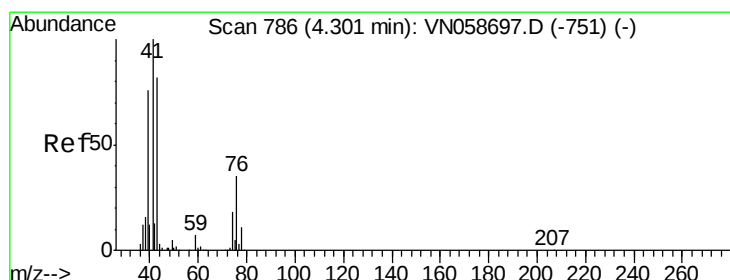
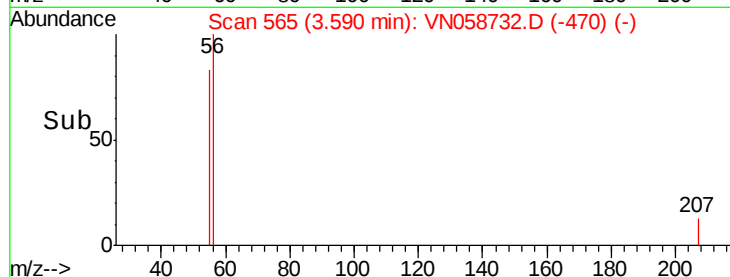
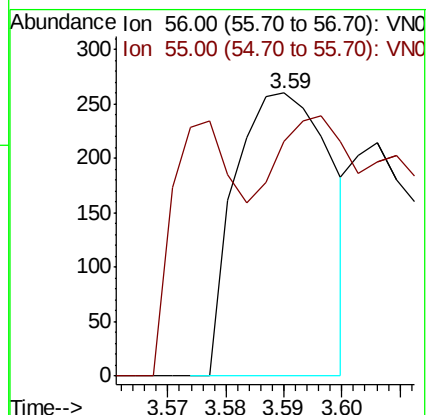
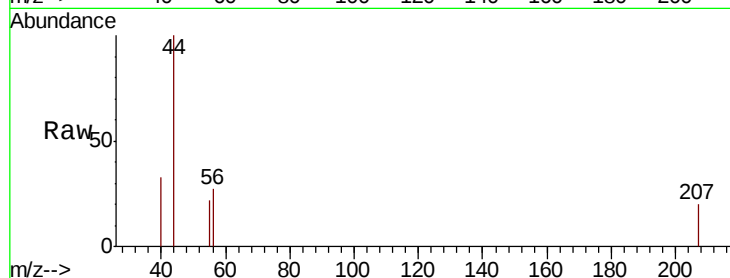
ClientSampleId :

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 64.4 56.7 85.1



#14

Allyl chloride

Concen: 196.506 ug/l

RT: 4.52 min Scan# 854

Delta R.T. 0.22 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

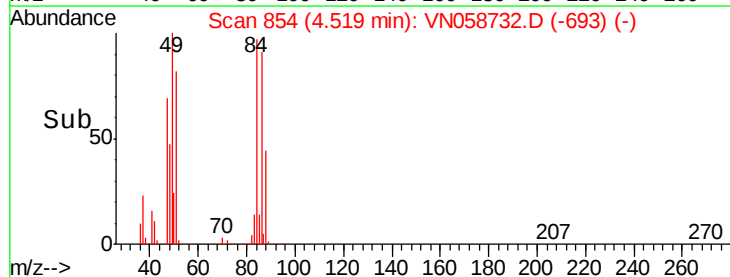
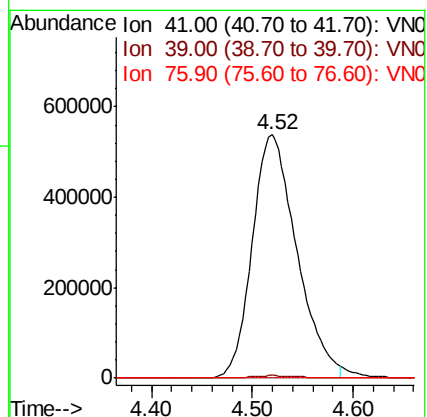
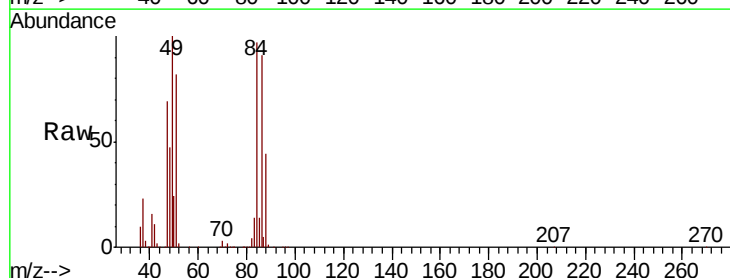
Tgt Ion: 41 Resp: 1647572

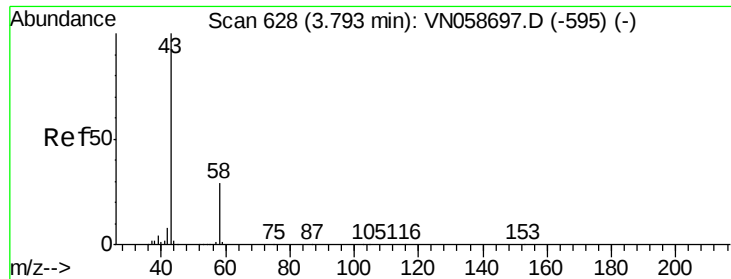
Ion Ratio Lower Upper

41 100

39 1.1 57.2 85.8#

76 0.0 25.0 37.6#





#16

Acetone

Concen: 10.202 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

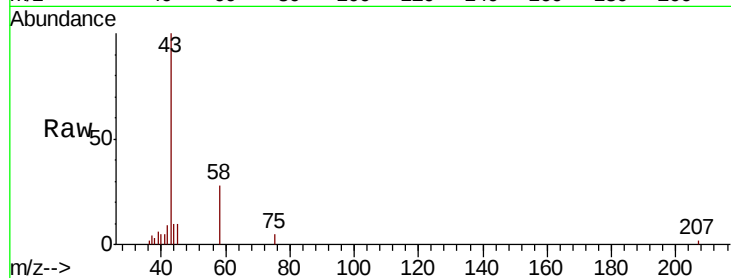
ClientSampleId :

Tot Ion: 43 Resp: 25581

Ion Ratio Lower Upper

43 100

58 28.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

10000

8000

6000

4000

2000

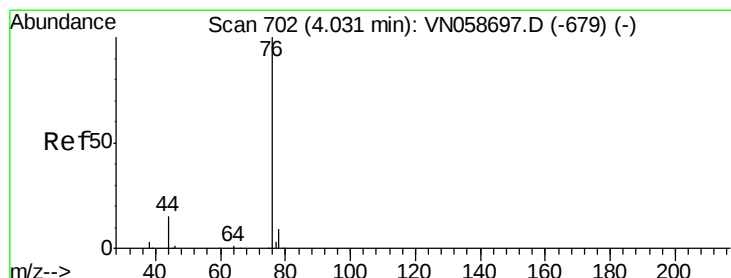
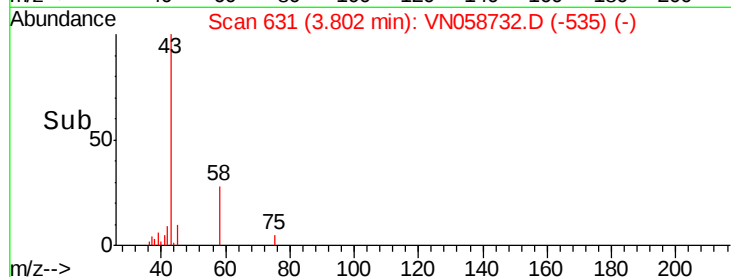
0

Time-->

3.70

3.80

3.90



#17

Carbon Disulfide

Concen: 0.435 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058732.D

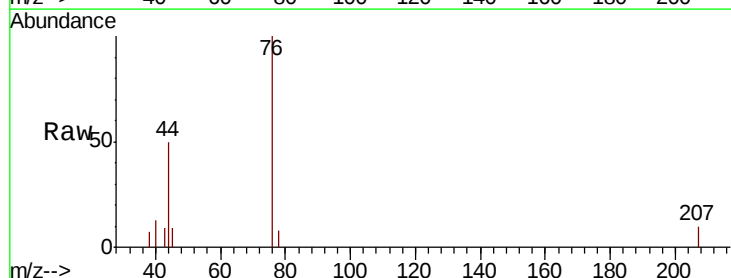
Acq: 12 Oct 2019 3:23

Tgt Ion: 76 Resp: 5775

Ion Ratio Lower Upper

76 100

78 7.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

2500

2000

1500

1000

500

0

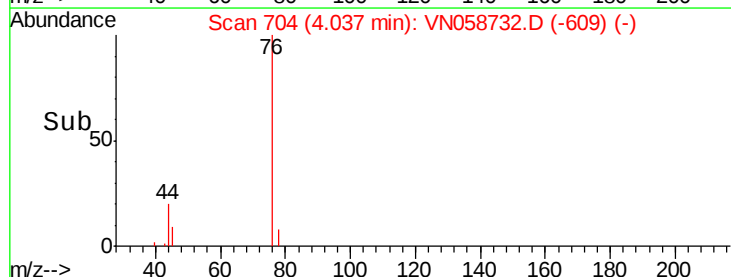
Time-->

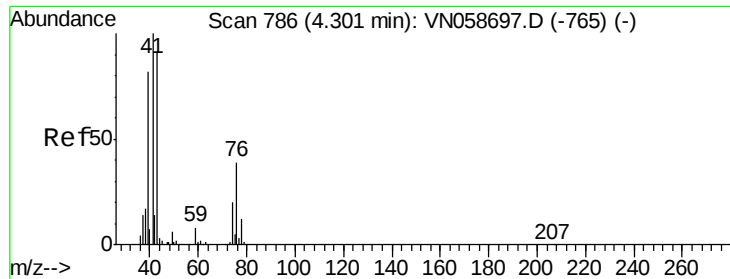
3.95

4.00

4.05

4.10

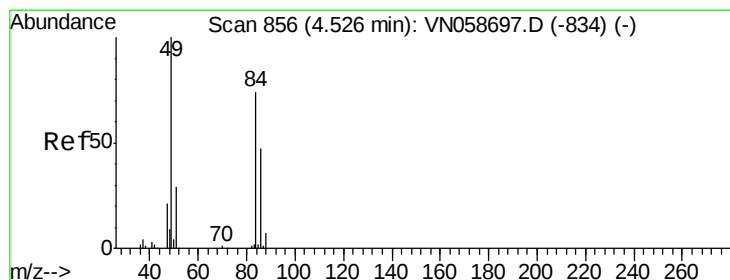
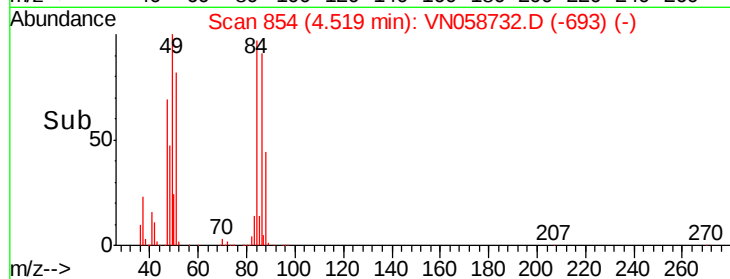
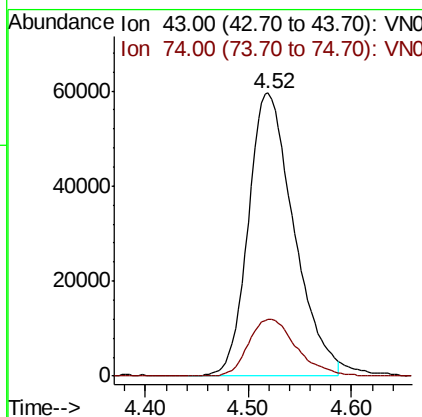
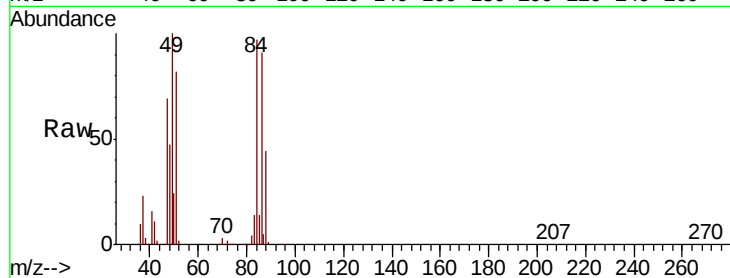




#18
Methyl Acetate
Concen: 28.744 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.22 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

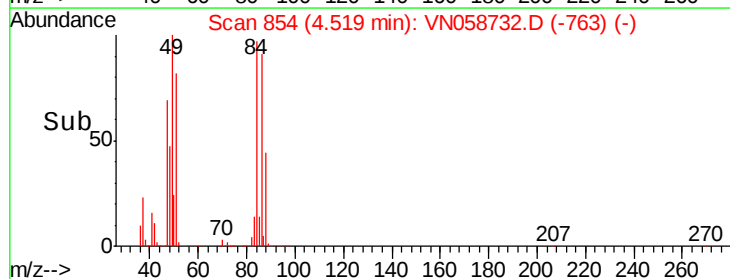
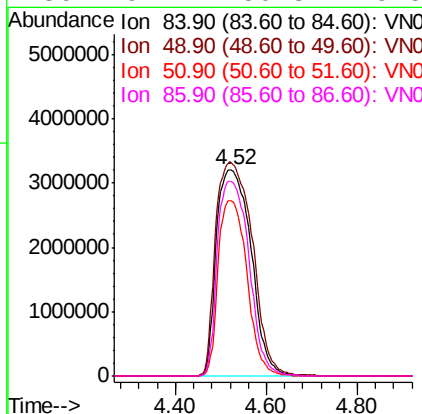
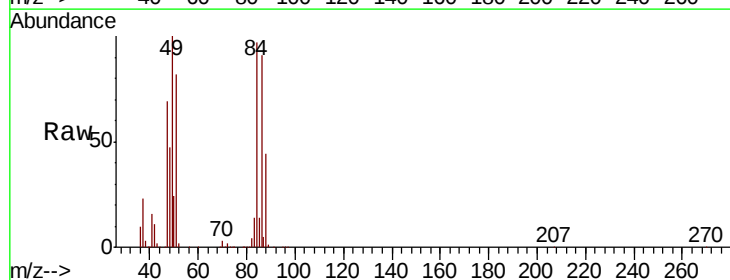
Instrument :
MSVOA_N
ClientSampled :

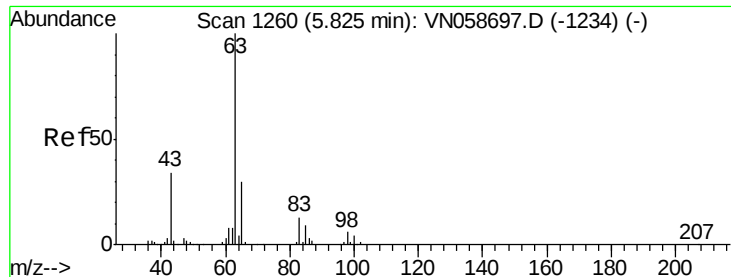
Tot Ion: 43 Resp: 182819
Ion Ratio Lower Upper
43 100
74 20.9 17.2 25.8



#20
Methylene Chloride
Concen: 3232.979 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion: 84 Resp:16941757
Ion Ratio Lower Upper
84 100
49 103.6 107.6 161.4#
51 85.1 31.4 47.0#
86 94.7 50.3 75.5#





#24

1,1-Dichloroethane

Concen: 14.740 ug/l

RT: 5.83 min Scan# 1261

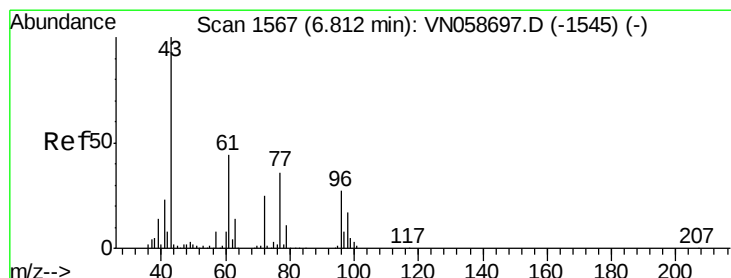
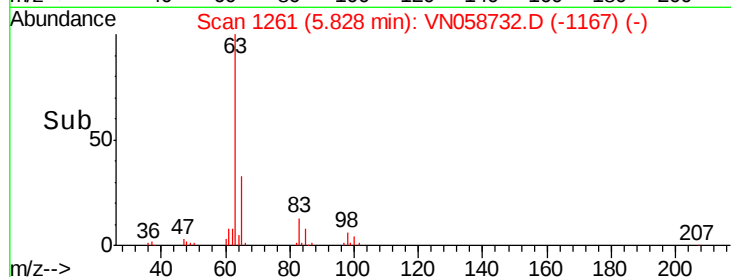
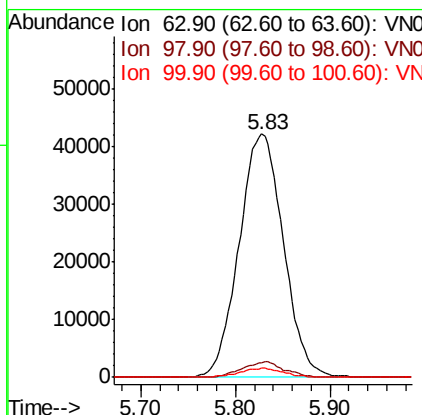
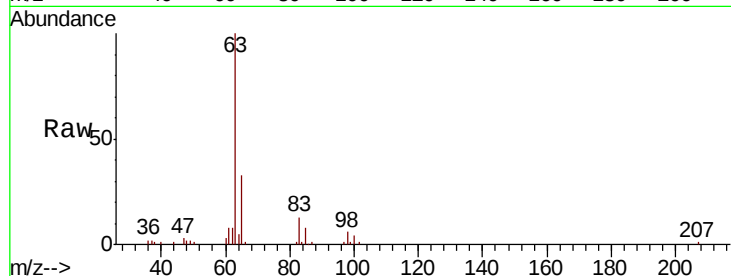
Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	63	Resp:	136857
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.6
100	3.7	1.8	5.5



#25

2-Butanone

Concen: 1.299 ug/l

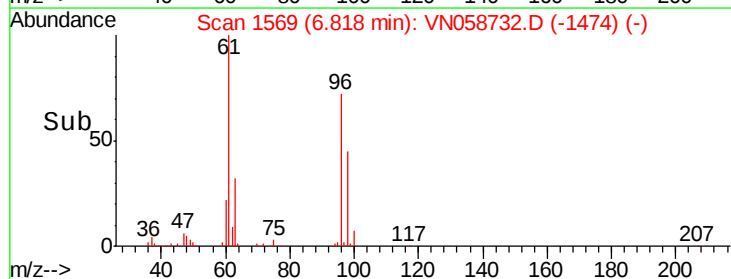
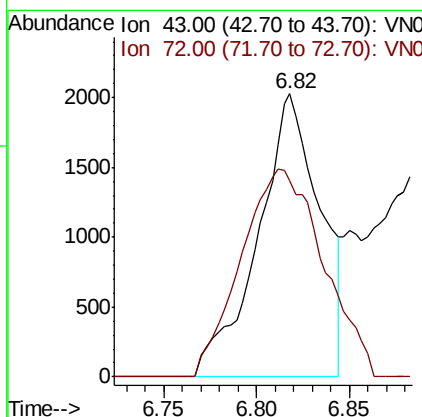
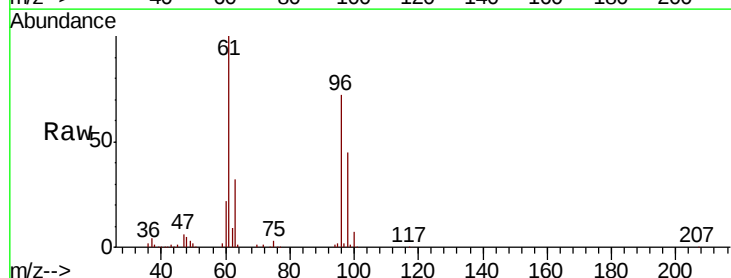
RT: 6.82 min Scan# 1569

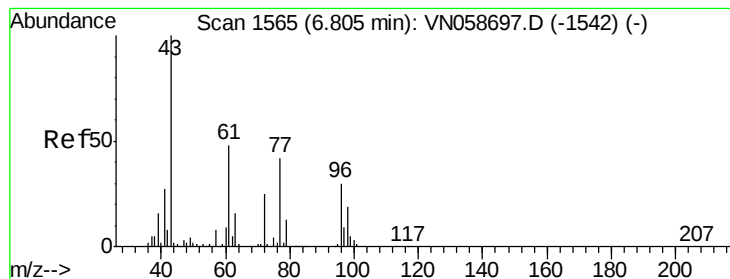
Delta R.T. 0.01 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Tgt Ion:	43	Resp:	4707
Ion	Ratio	Lower	Upper
43	100		
72	69.2	20.2	30.2#





#27

cis-1,2-Dichloroethene

Concen: 60.284 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampled :

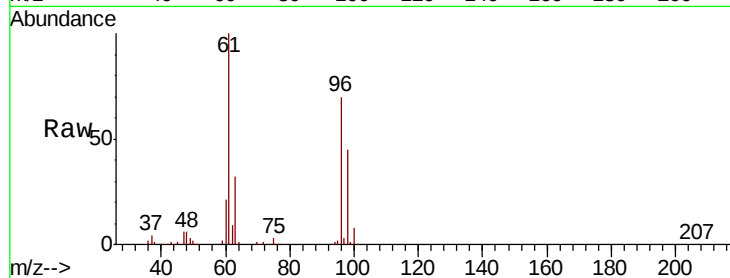
Tot Ion: 96 Resp: 326695

Ion Ratio Lower Upper

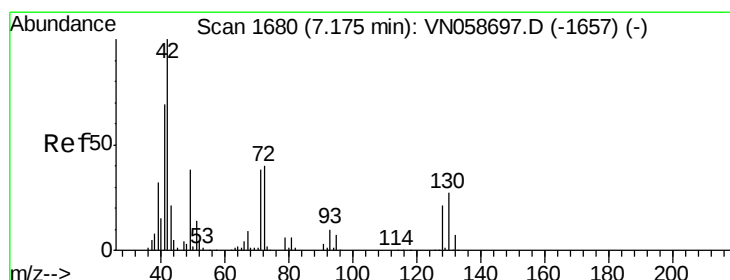
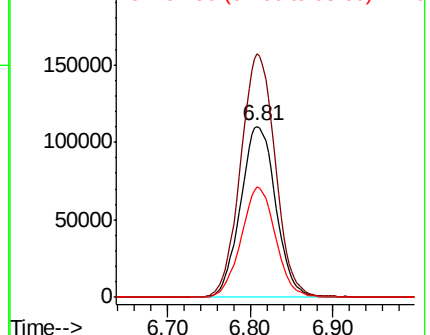
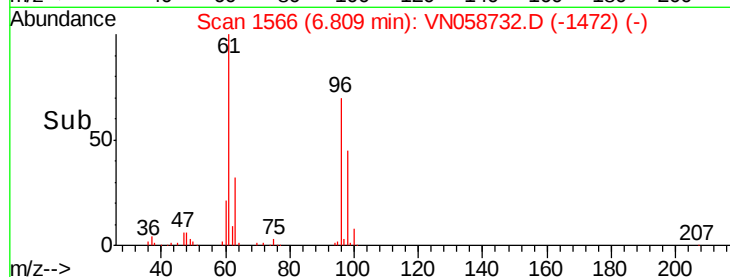
96 100

61 139.9 0.0 324.8

98 62.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.265 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

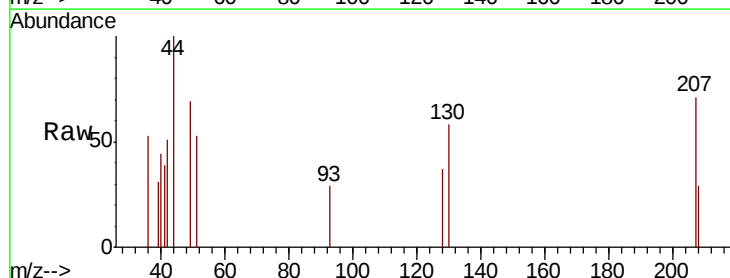
Tgt Ion: 49 Resp: 855

Ion Ratio Lower Upper

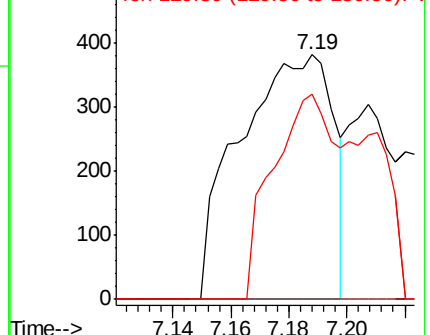
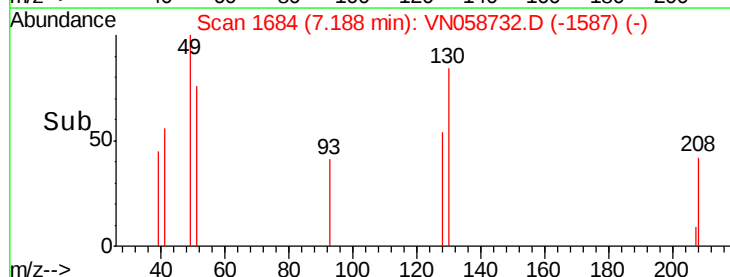
49 100

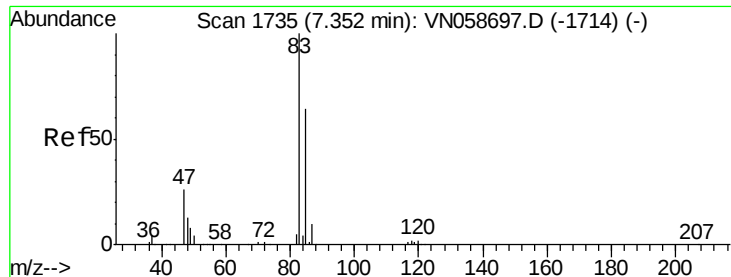
129 0.0 0.0 3.6

130 55.3 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

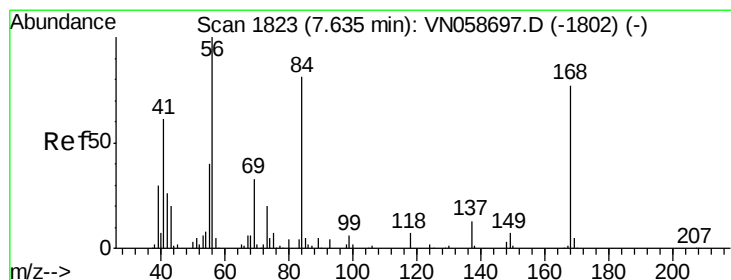
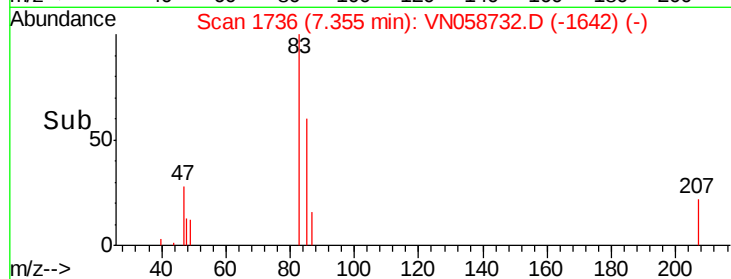
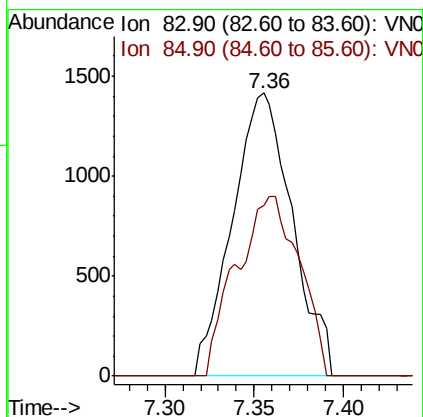
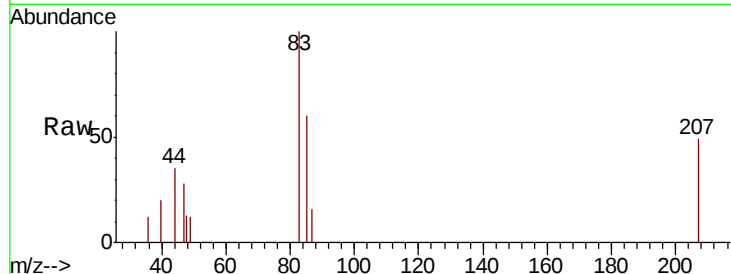




#30
Chloroform
Concen: 0.355 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

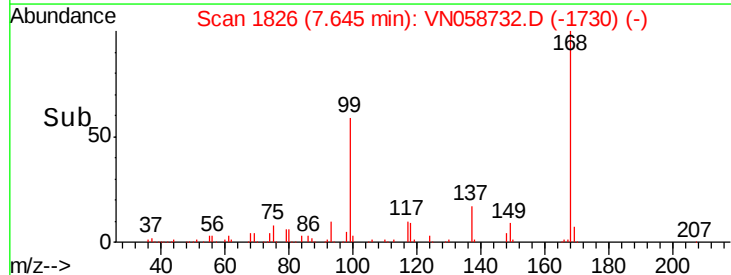
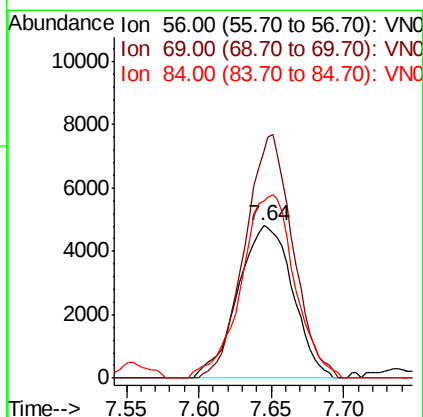
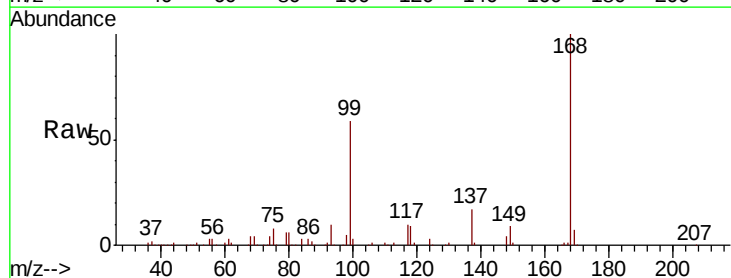
Instrument :
MSVOA_N
ClientSampleId :

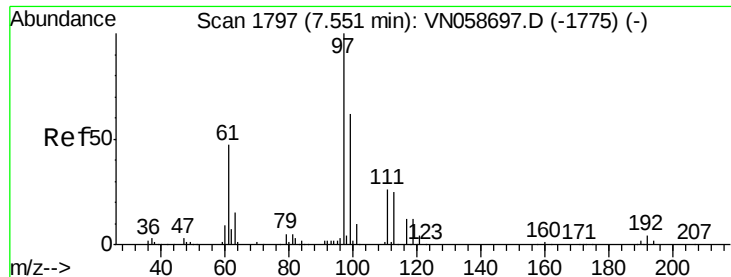
Tot Ion: 83 Resp: 3314
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.6



#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion: 56 Resp: 12681
Ion Ratio Lower Upper
56 100
69 148.6 26.2 39.4#
84 116.4 64.9 97.3#





#32

1,1,1-Trichloroethane

Concen: 6.213 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampled :

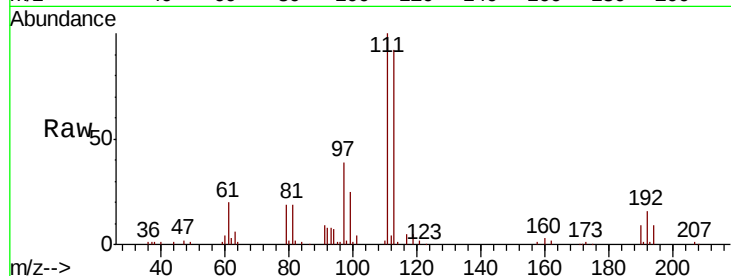
Tot Ion: 97 Resp: 49427

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

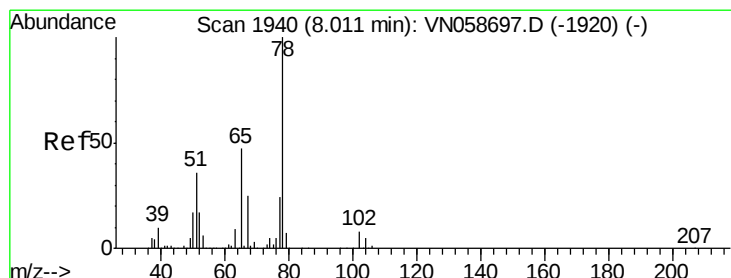
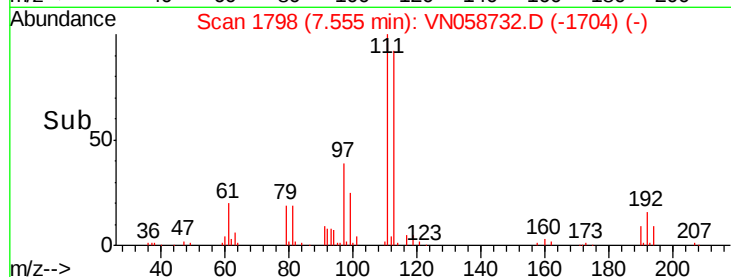
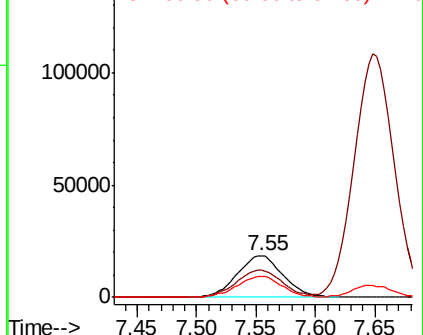
61 49.5 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VN058732.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058732.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058732.D (-1775) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.165 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058732.D

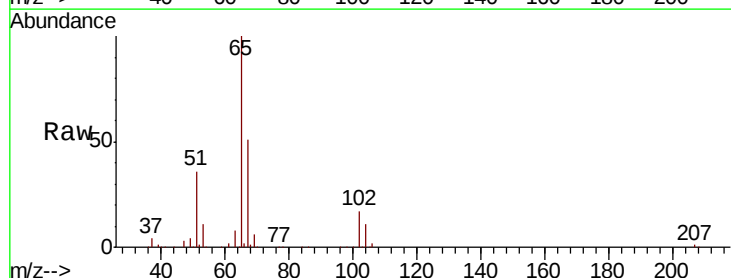
Acq: 12 Oct 2019 3:23

Tgt Ion: 65 Resp: 297768

Ion Ratio Lower Upper

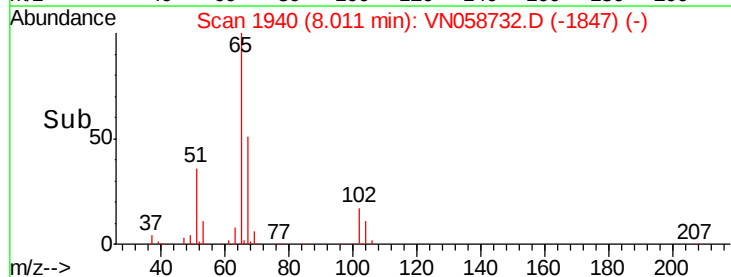
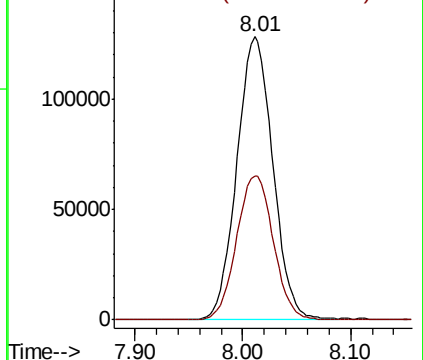
65 100

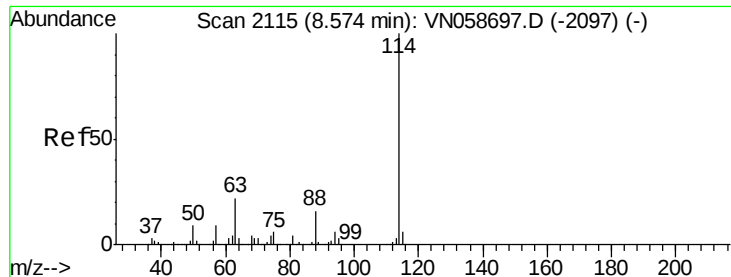
67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058732.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058732.D (-1847) (-)

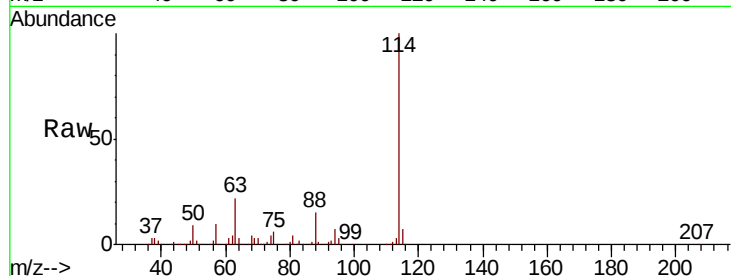




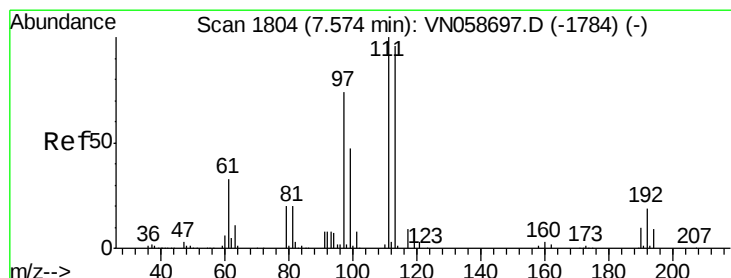
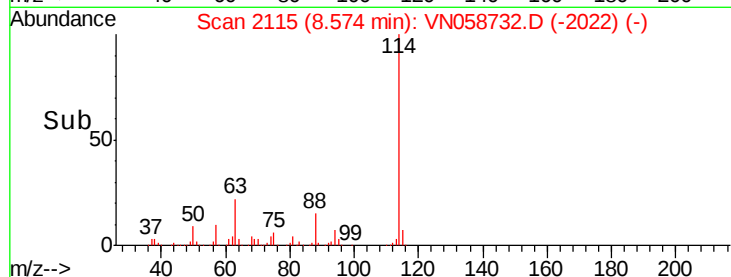
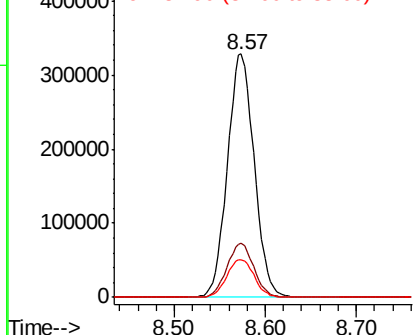
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	15.5	0.0	32.0

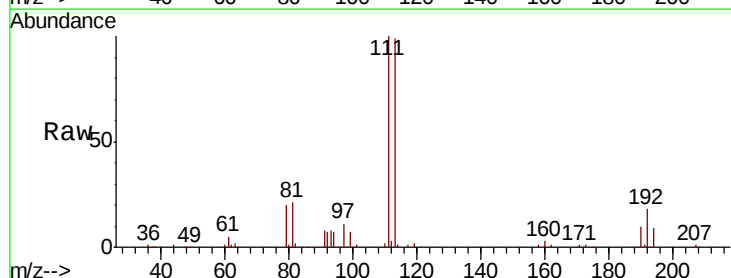


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

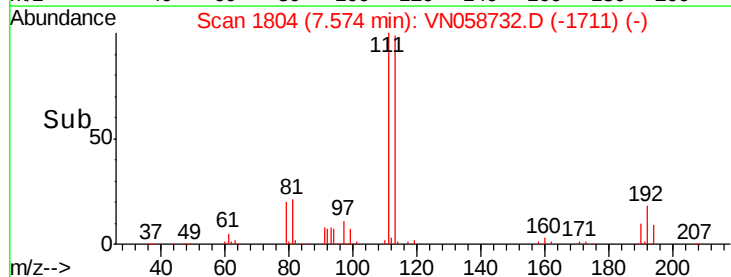
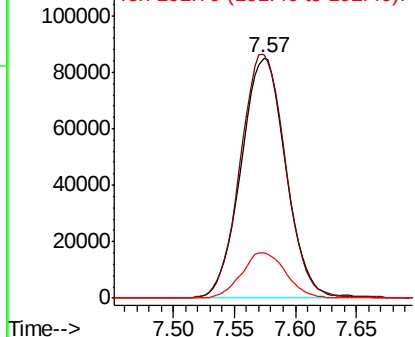


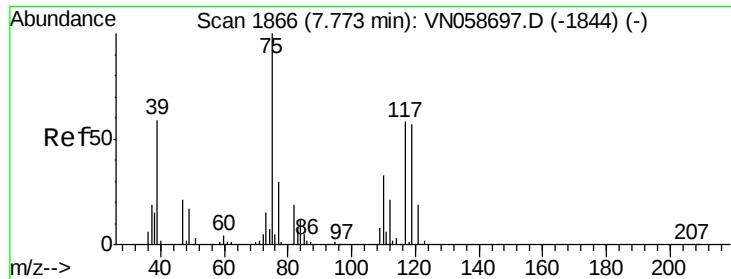
#35
 Dibromofluoromethane
 Concen: 51.875 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.3	123.5
192	18.7	15.0	22.6



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

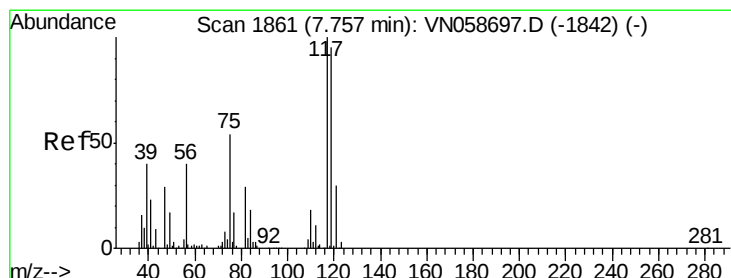
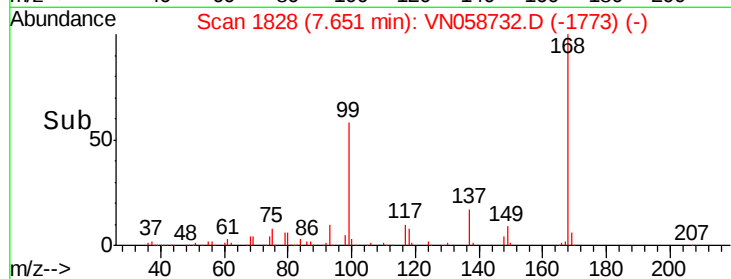
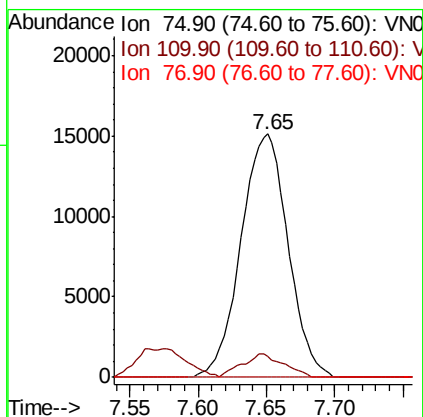
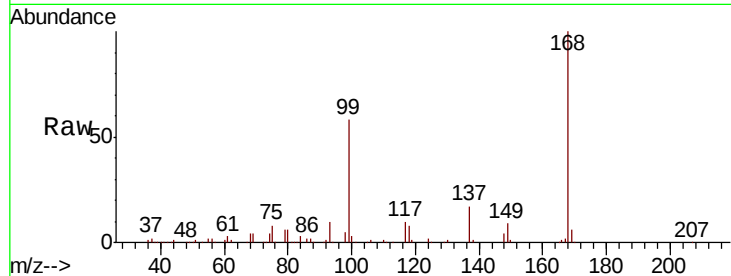




#36
 1,1-Dichloropropene
 Concen: 5.315 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

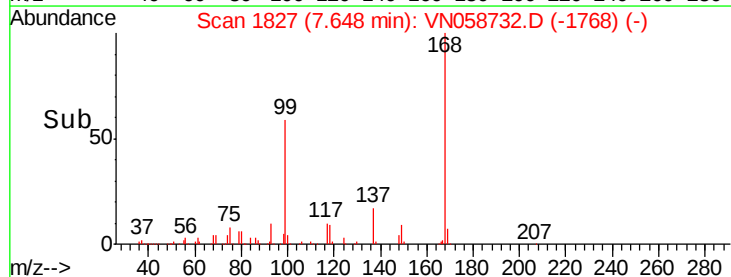
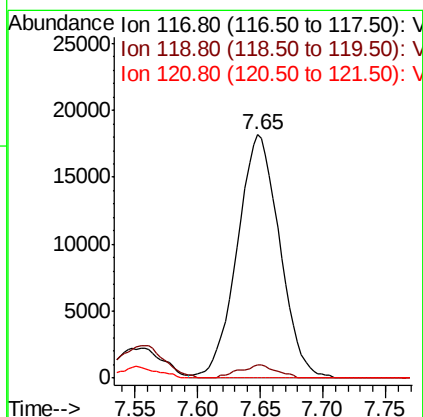
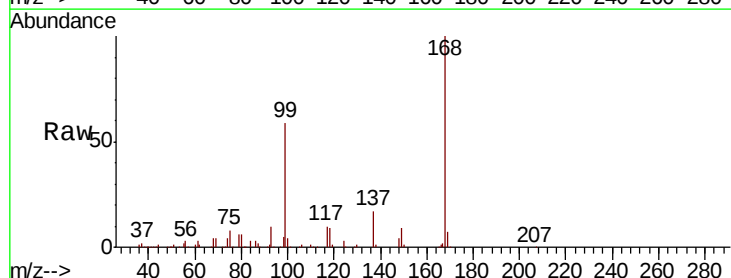
Instrument :
 MSVOA_N
 ClientSampleId :

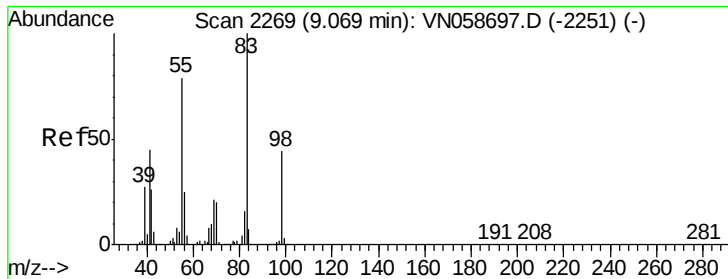
Tot Ion	75	Resp	36126
Ion Ratio	Lower	Upper	
75	100		
110	8.5	16.6	49.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.459 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

Tgt Ion	117	Resp	42787
Ion Ratio	Lower	Upper	
117	100		
119	5.6	75.7	113.5#
121	0.0	23.9	35.9#

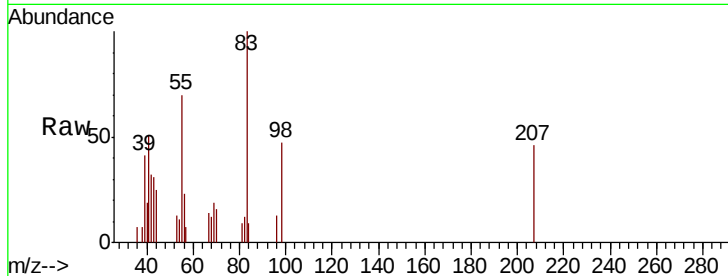




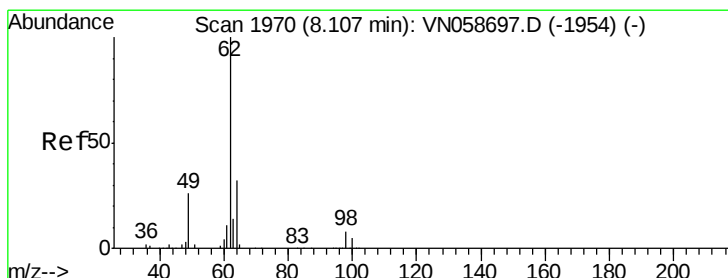
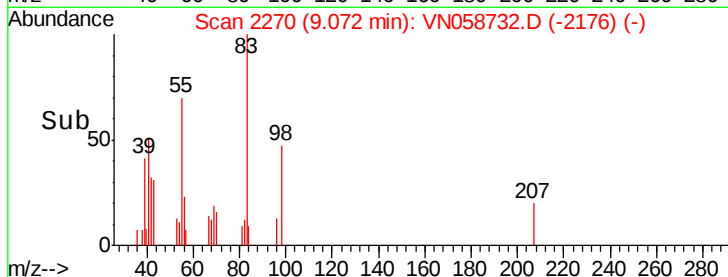
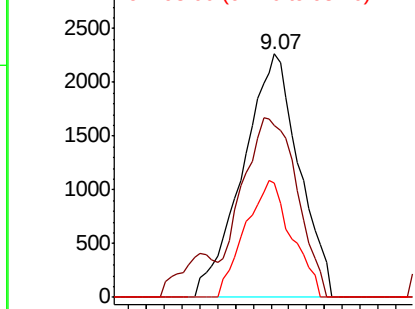
#39
Methylcyclohexane
Concen: 0.629 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.5	63.4	95.0
98	47.1	35.1	52.7

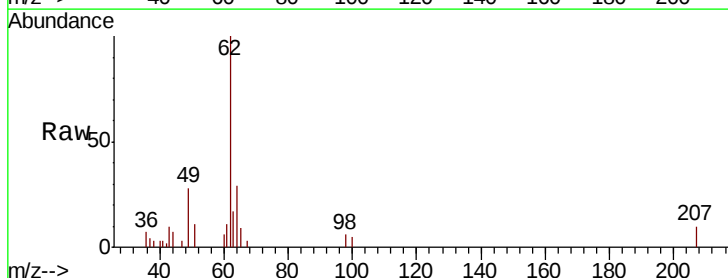


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

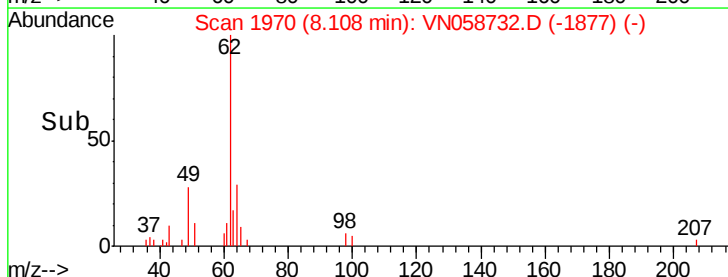
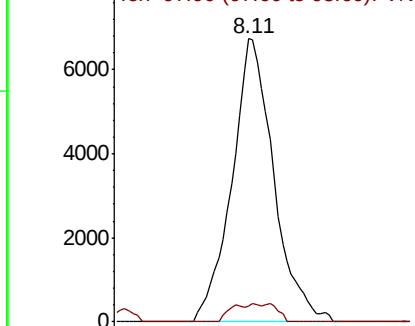


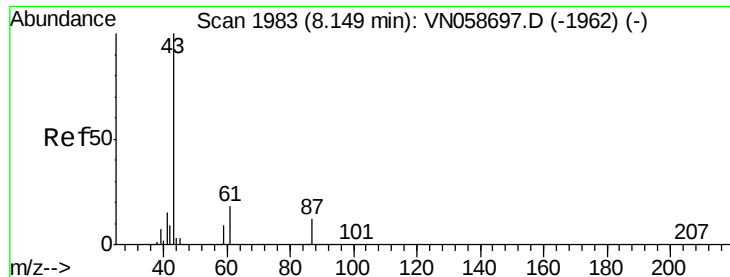
#42
1,2-Dichloroethane
Concen: 1.965 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	2.5	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 9.248 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampled :

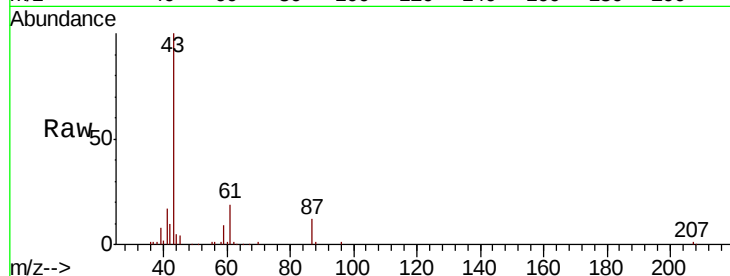
Tot Ion: 43 Resp: 108299

Ion Ratio Lower Upper

43 100

61 20.0 20.3 30.5#

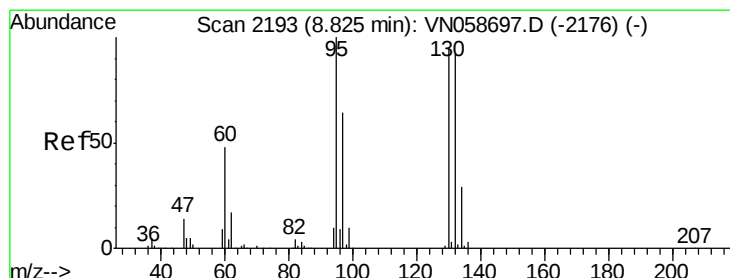
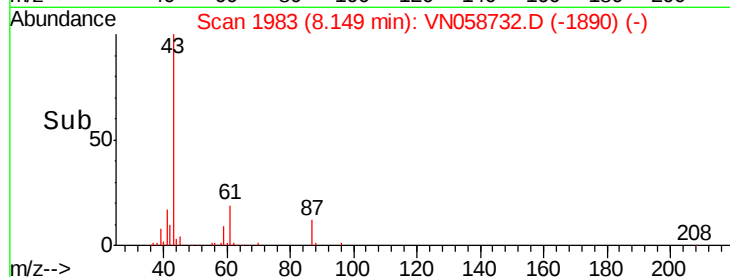
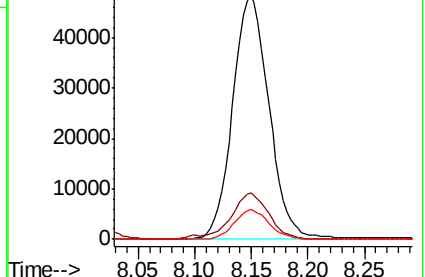
87 11.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 0.338 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058732.D

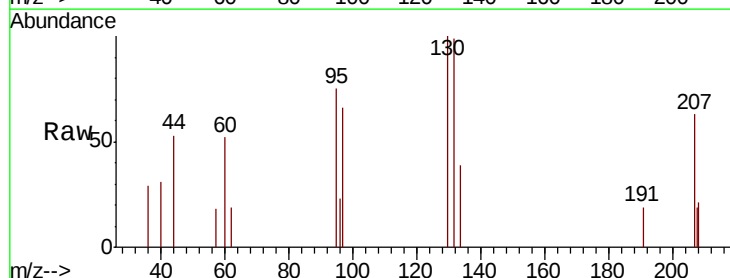
Acq: 12 Oct 2019 3:23

Tgt Ion: 130 Resp: 1639

Ion Ratio Lower Upper

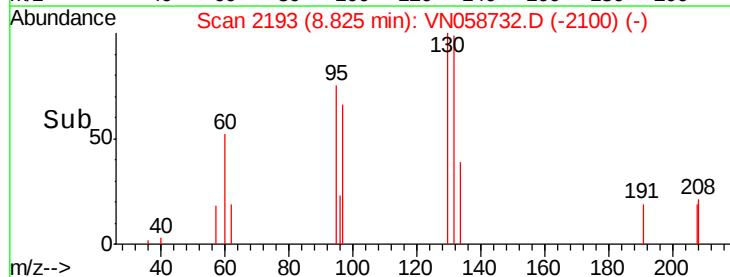
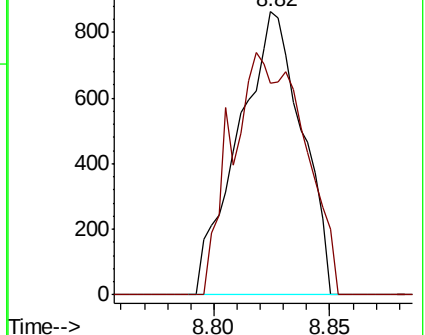
130 100

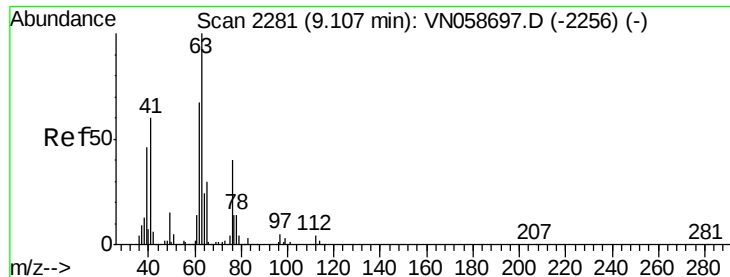
95 74.9 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 0.425 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

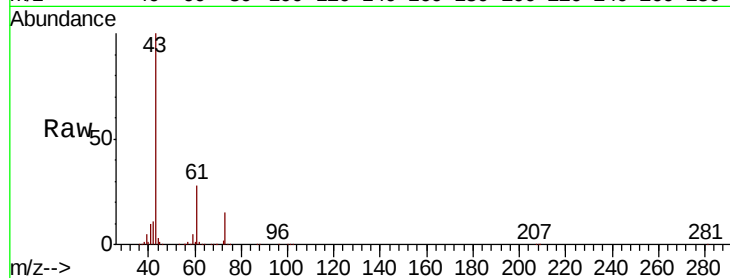
ClientSampled :

Tot Ion: 63 Resp: 2220

Ion Ratio Lower Upper

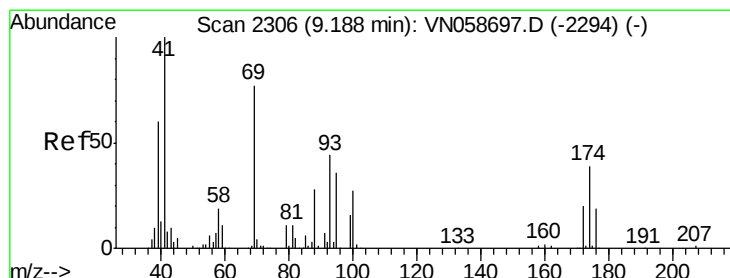
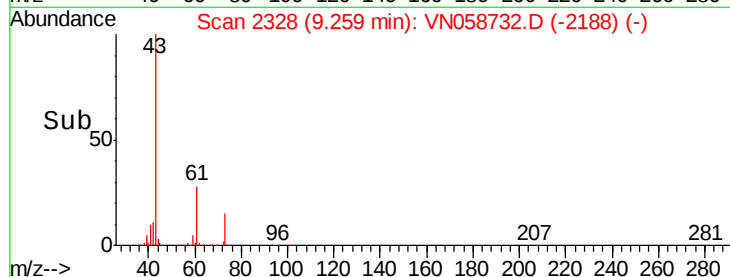
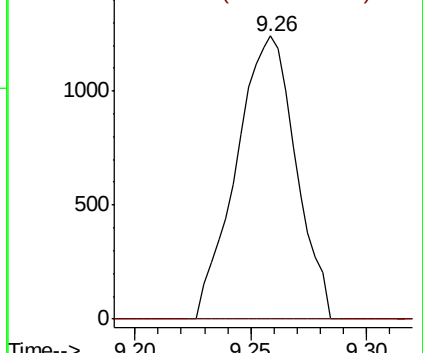
63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.204 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

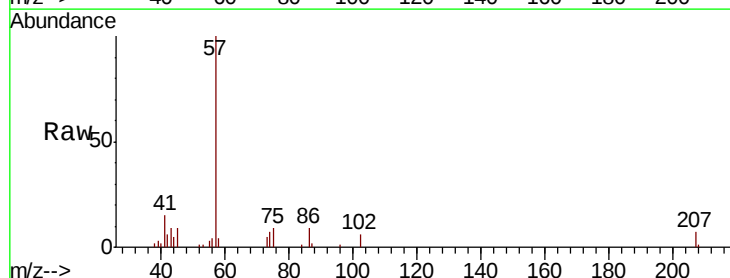
Tgt Ion: 41 Resp: 6389

Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.2#

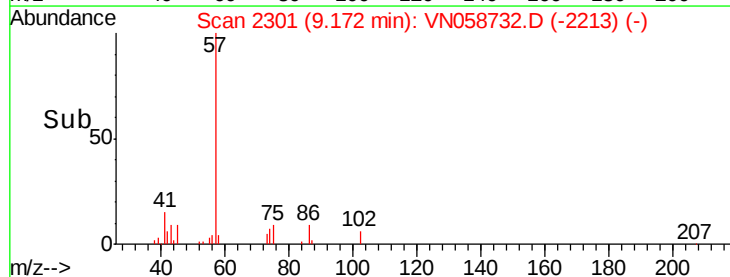
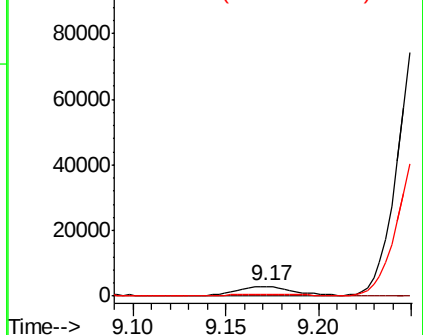
39 0.0 48.9 73.3#

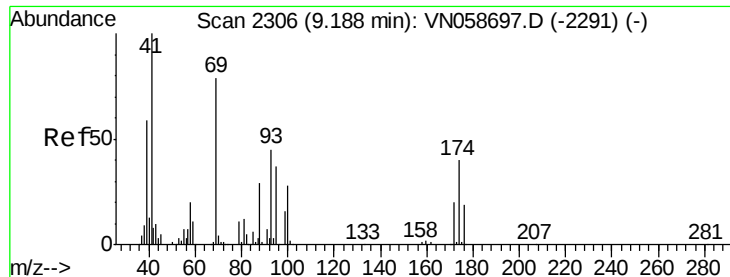


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

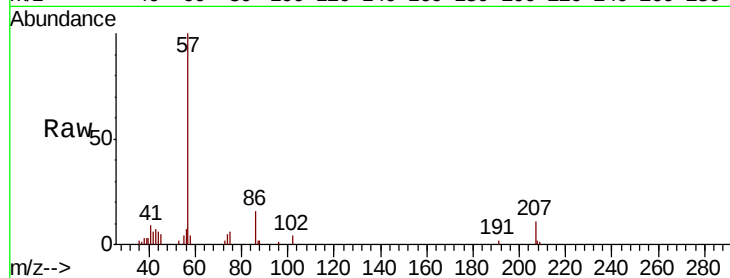




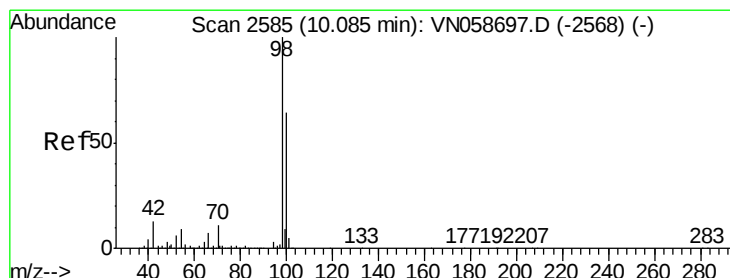
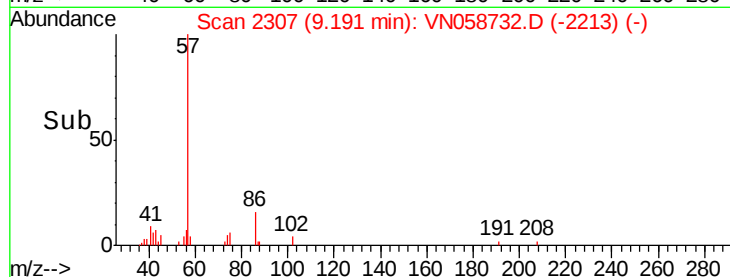
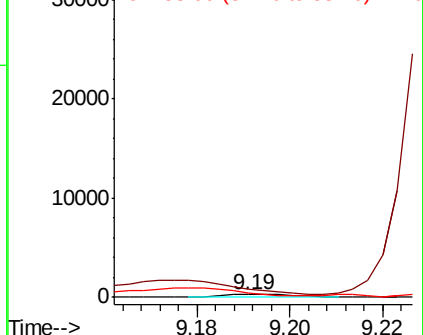
#49
1,4-Dioxane
Concen: 3.909 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 321
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 633.3 57.2 85.8#

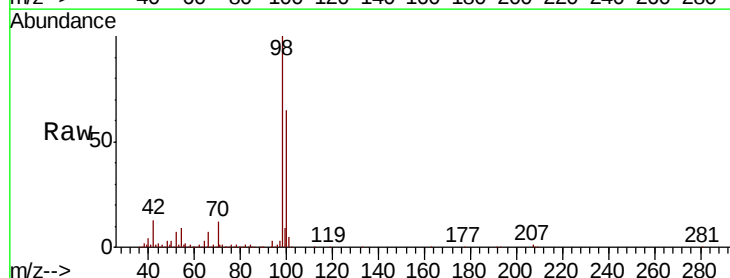


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

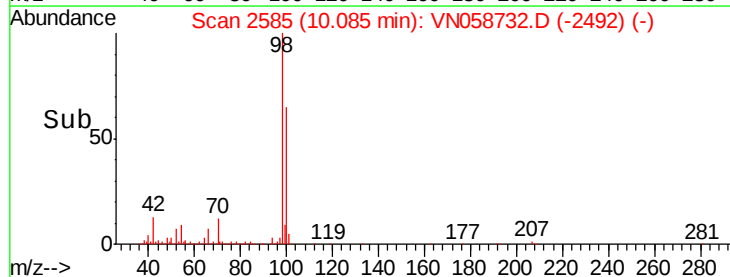
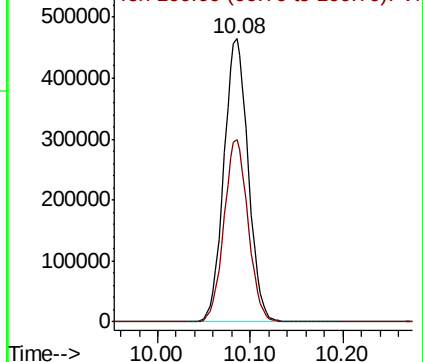


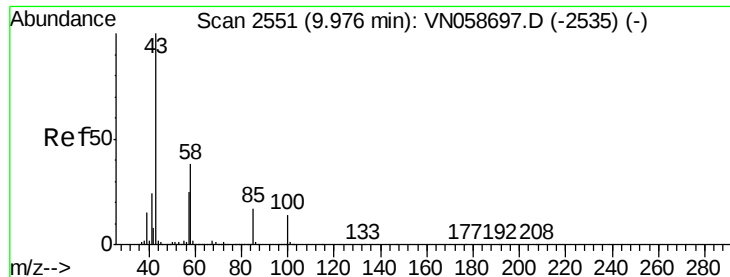
#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion: 98 Resp: 843131
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



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: 0.851 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

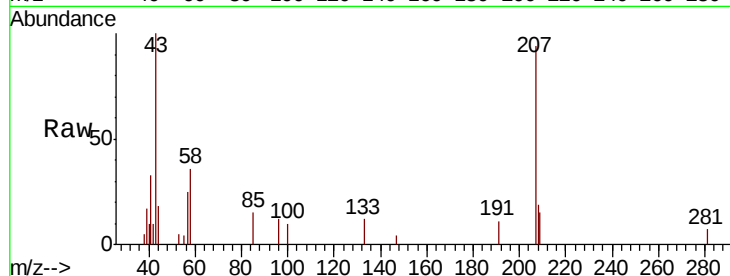
ClientSampled :

Tot Ion: 43 Resp: 5598

Ion Ratio Lower Upper

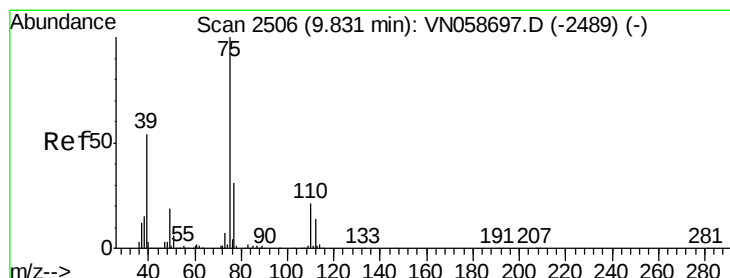
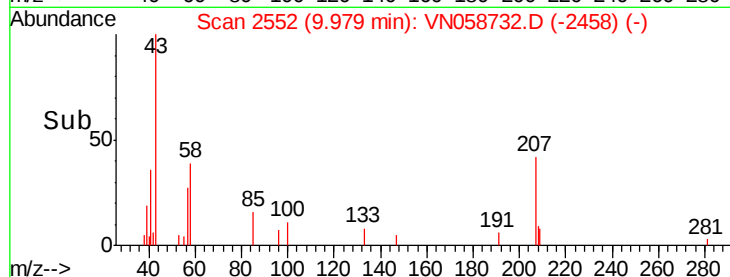
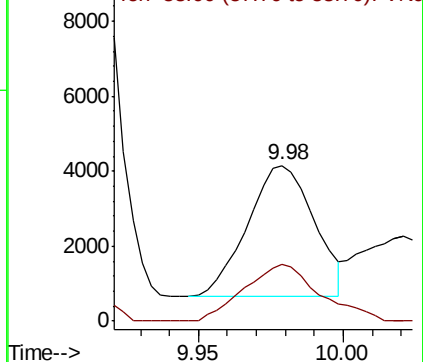
43 100

58 49.0 30.3 45.5#



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: 5.026 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

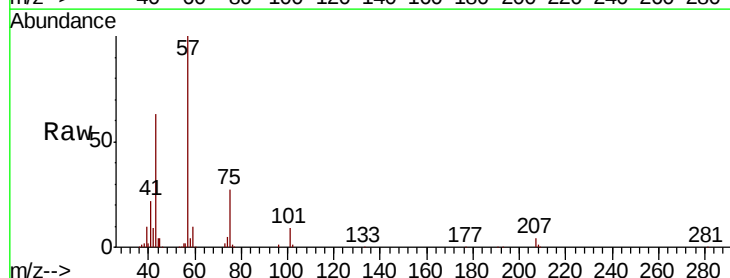
Tgt Ion: 75 Resp: 41297

Ion Ratio Lower Upper

75 100

77 0.8 24.4 36.6#

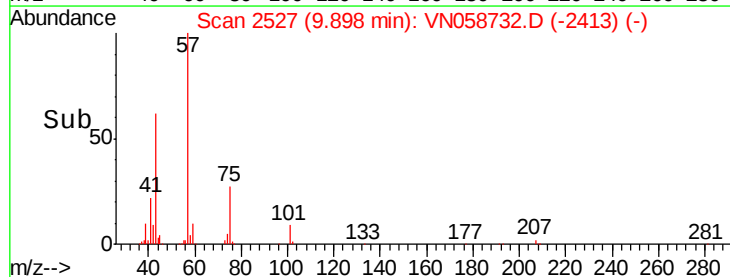
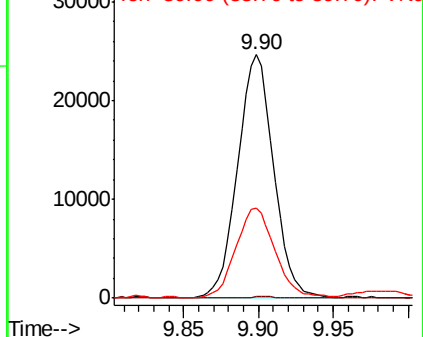
39 37.1 43.1 64.7#

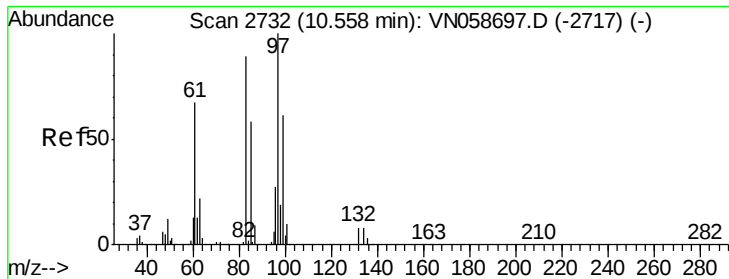


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.284 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 1390

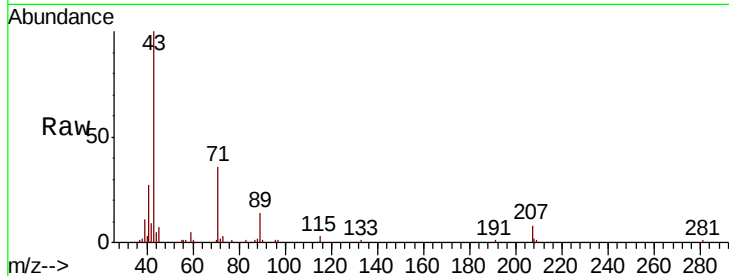
Ion Ratio Lower Upper

97 100

83 62.4 71.2 106.8#

85 30.3 46.7 70.1#

99 32.4 49.0 73.6#

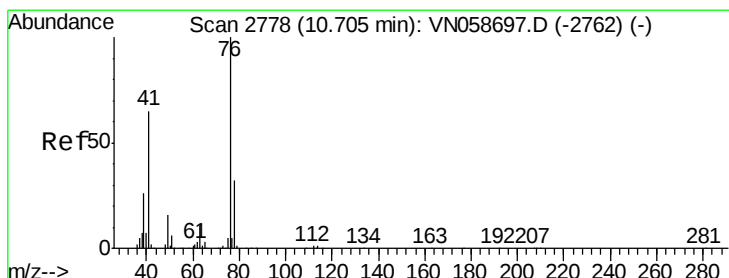
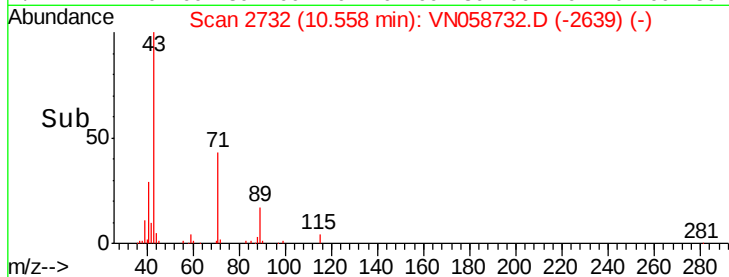
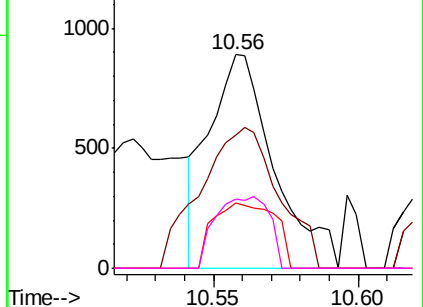


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#57

1,3-Dichloropropane

Concen: 0.917 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058732.D

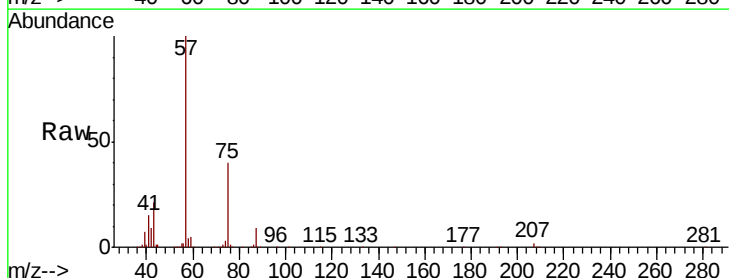
Acq: 12 Oct 2019 3:23

Tgt Ion: 76 Resp: 7639

Ion Ratio Lower Upper

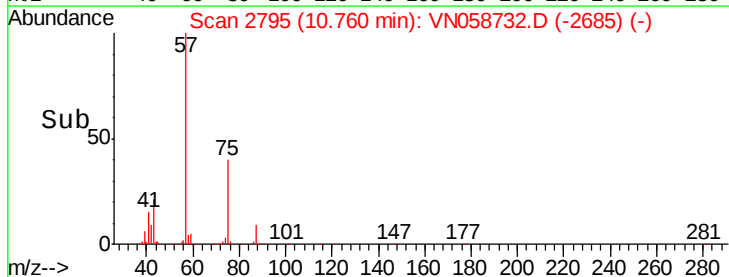
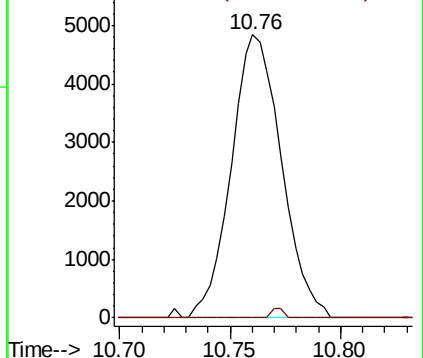
76 100

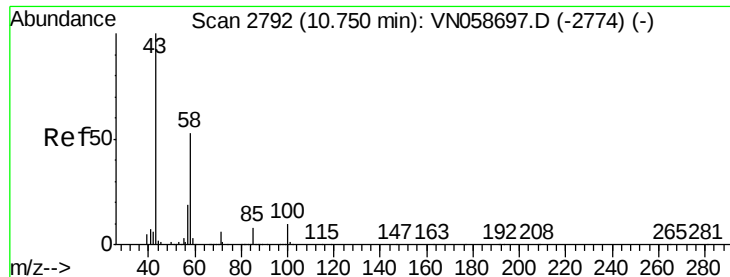
78 0.8 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO





#59

2-Hexanone

Concen: 23.014 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

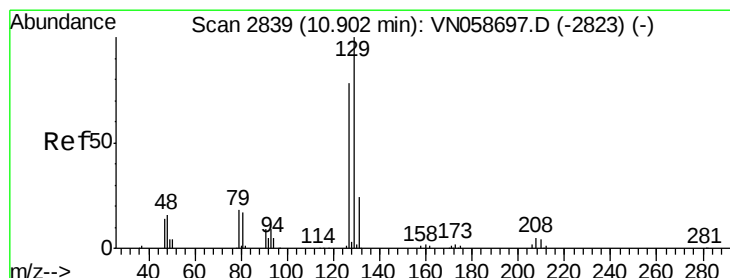
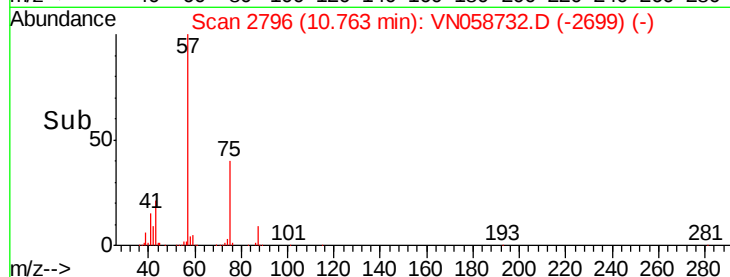
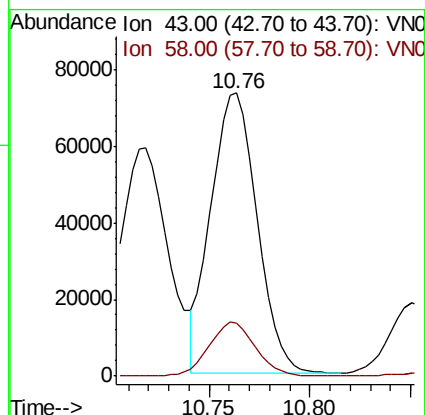
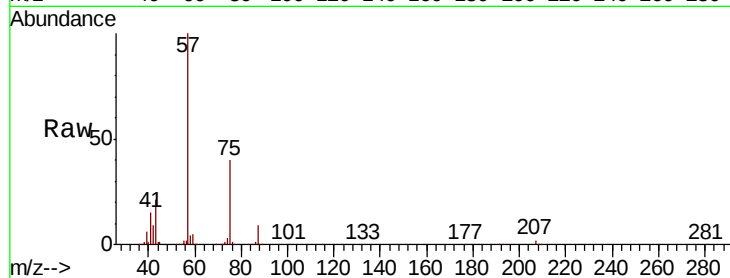
ClientSampleId :

Tot Ion: 43 Resp: 116976

Ion Ratio Lower Upper

43 100

58 19.2 26.1 78.3#



#60

Dibromochloromethane

Concen: 2.836 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058732.D

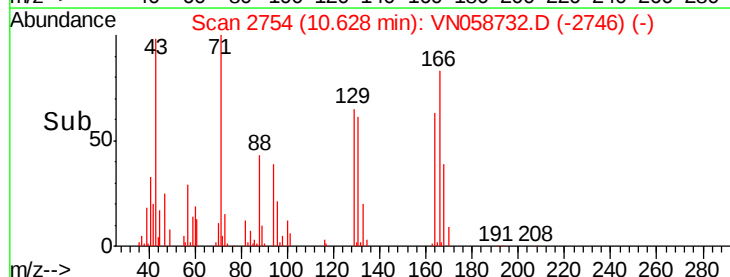
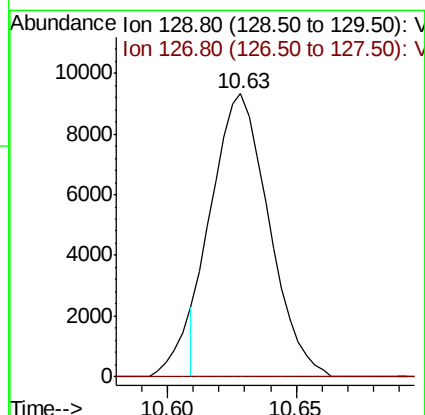
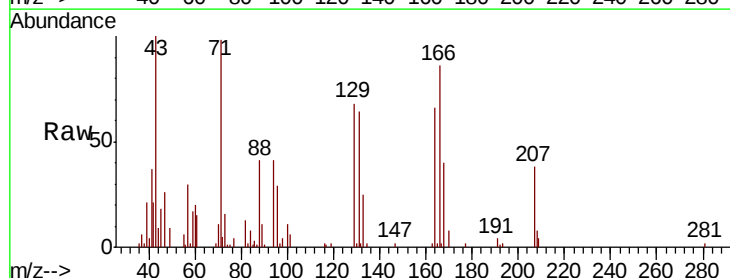
Acq: 12 Oct 2019 3:23

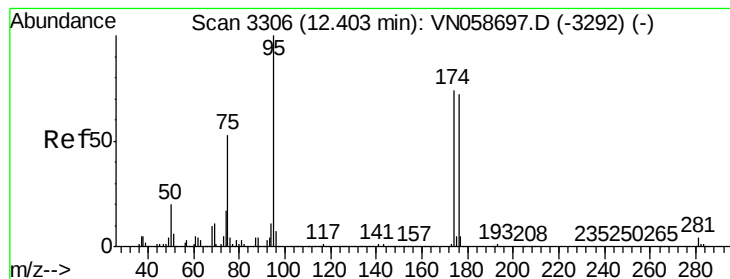
Tgt Ion: 129 Resp: 14299

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 44.460 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampleId :

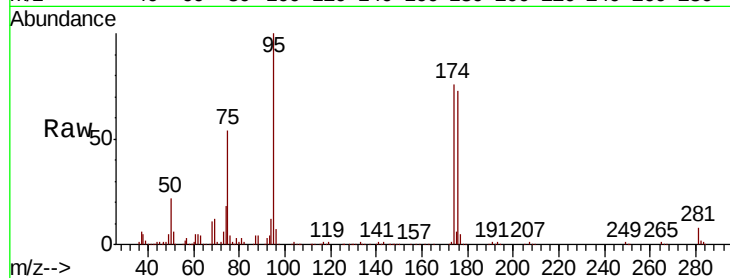
Tot Ion: 95 Resp: 279467

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 74.8 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)

12.40

150000

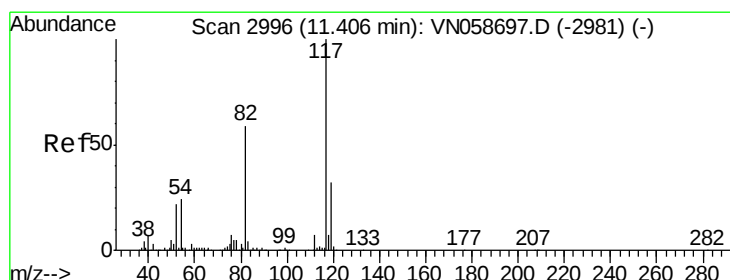
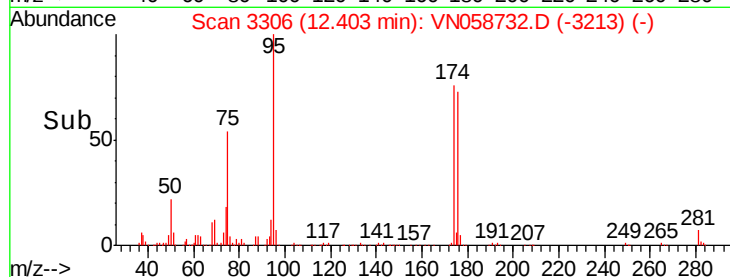
100000

50000

0

12.35 12.40 12.45

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

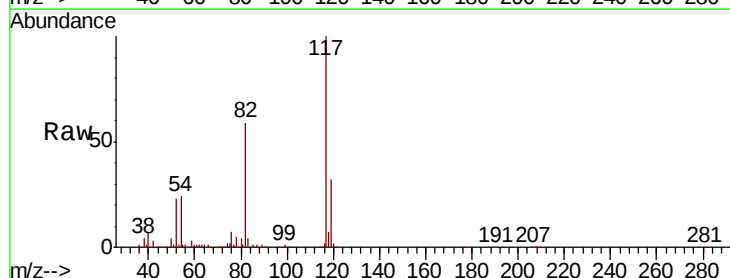
Tgt Ion: 117 Resp: 603198

Ion Ratio Lower Upper

117 100

82 59.1 47.0 70.4

119 31.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)

11.41

400000

300000

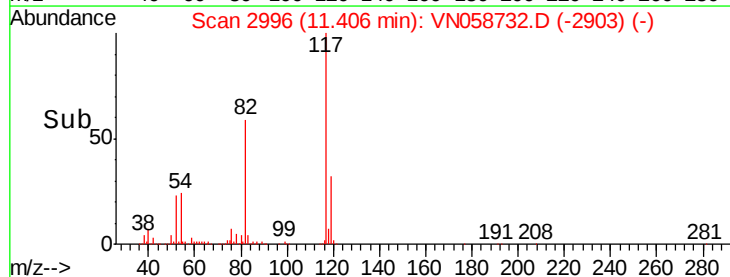
200000

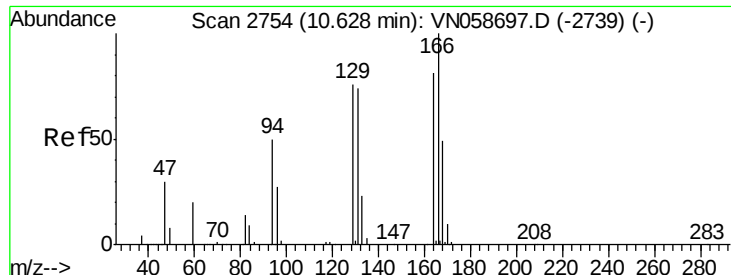
100000

0

11.30 11.40 11.50

Time-->

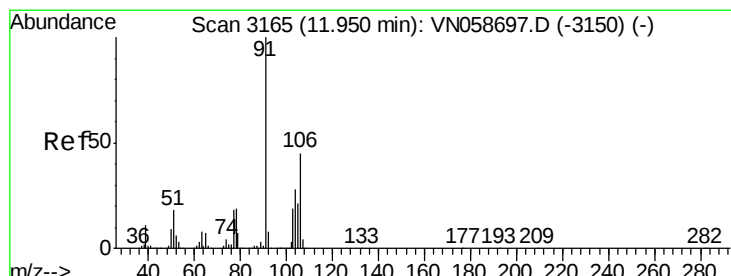
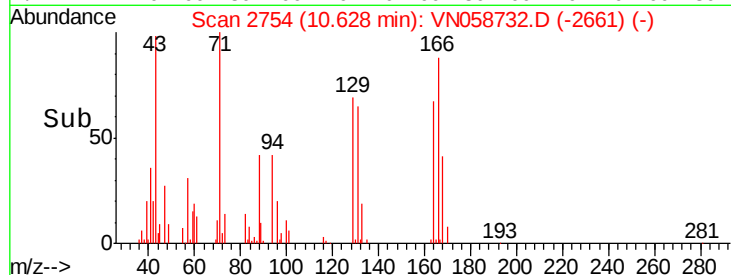
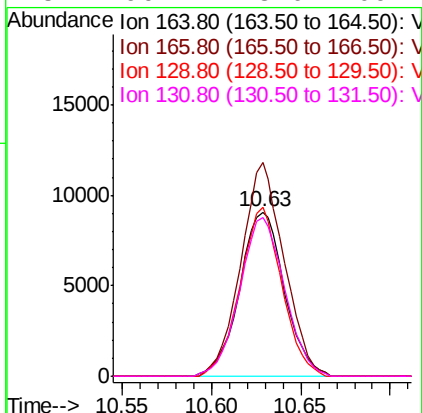
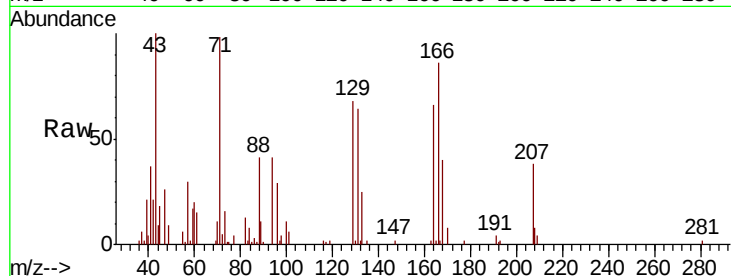




#64
Tetrachloroethene
Concen: 3.783 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

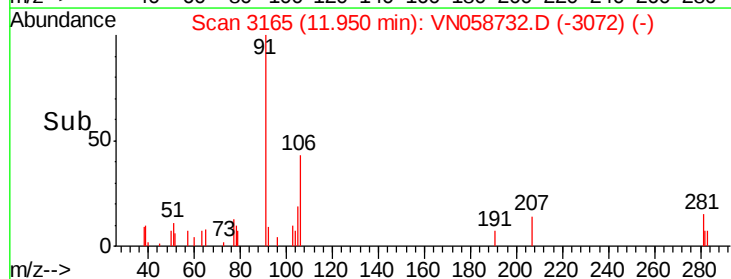
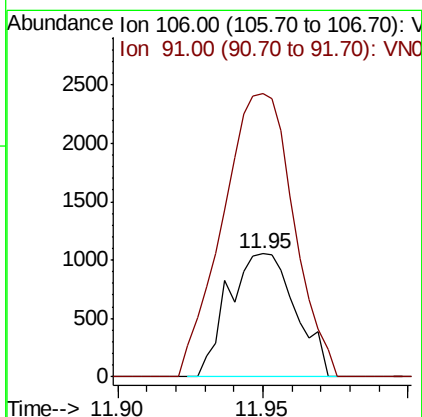
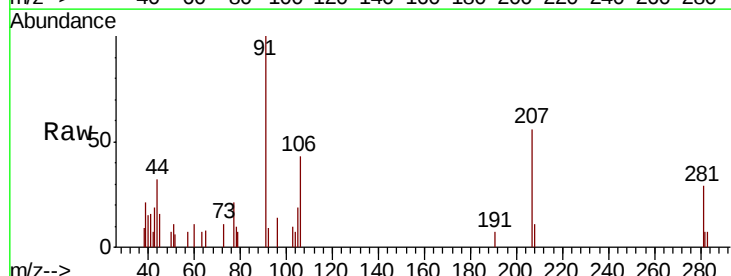
Instrument :
MSVOA_N
ClientSampled :

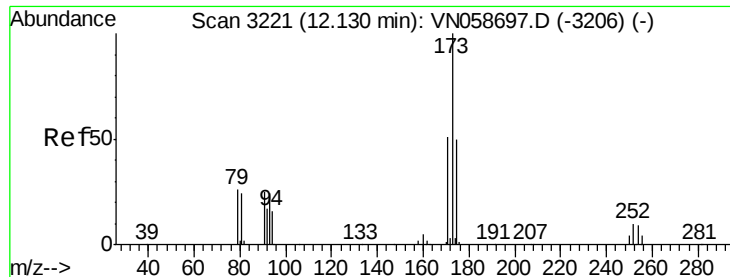
Tot Ion:164 Resp: 15971
Ion Ratio Lower Upper
164 100
166 130.2 99.3 148.9
129 102.8 75.2 112.8
131 96.7 73.0 109.4



#69
o-Xylene
Concen: 0.213 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion:106 Resp: 1689
Ion Ratio Lower Upper
106 100
91 243.8 110.9 332.9

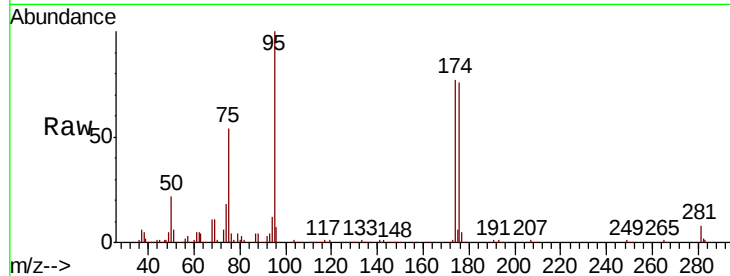




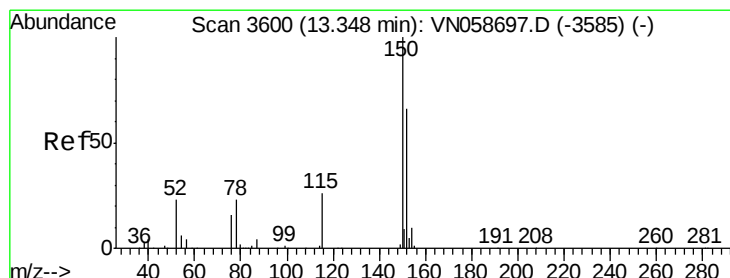
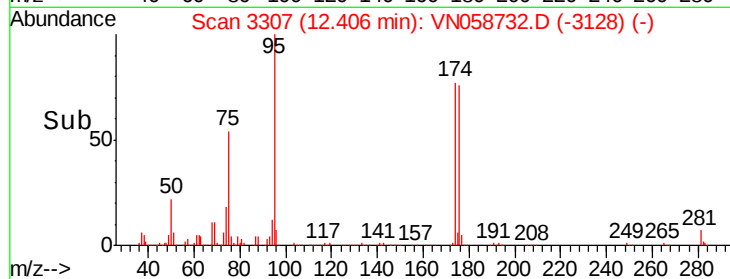
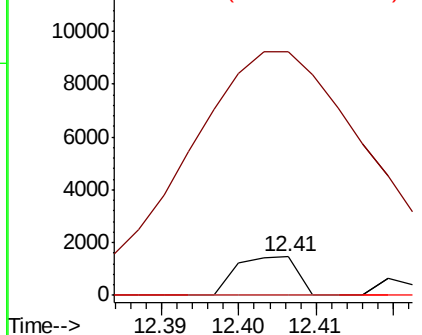
#71
Bromoform
Concen: 0.238 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 790
Ion Ratio Lower Upper
173 100
175 1711.0 24.6 73.8#
254 0.0 0.1 0.1#

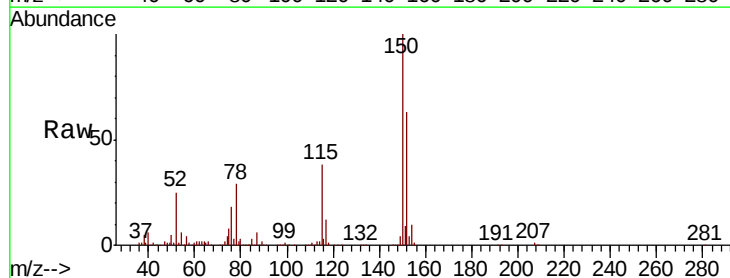


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

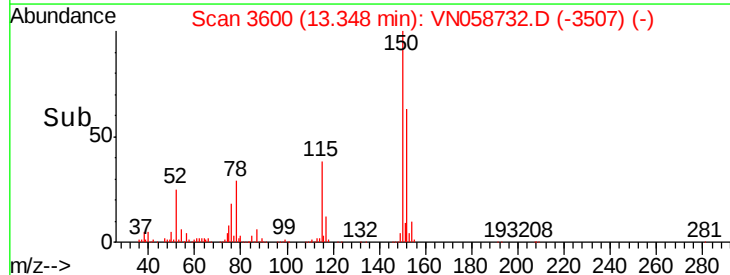
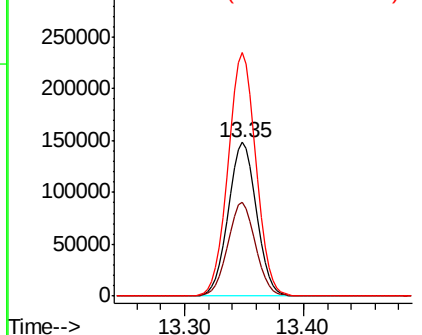


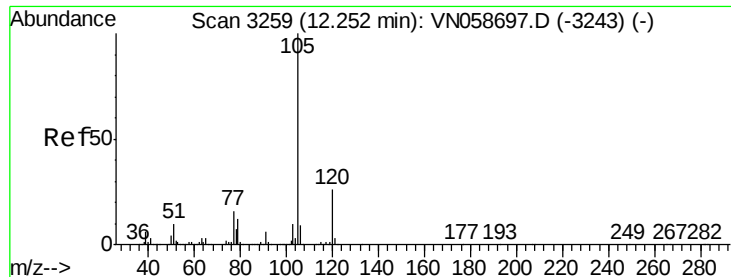
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion:152 Resp: 243953
Ion Ratio Lower Upper
152 100
115 60.0 30.4 91.2
150 156.0 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





#73

Isopropylbenzene

Concen: 0.266 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

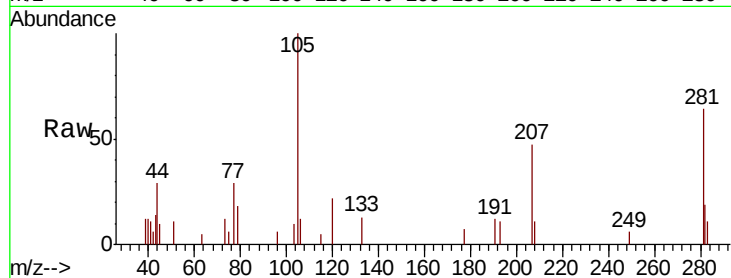
ClientSampleId :

Tot Ion: 105 Resp: 4696

Ion Ratio Lower Upper

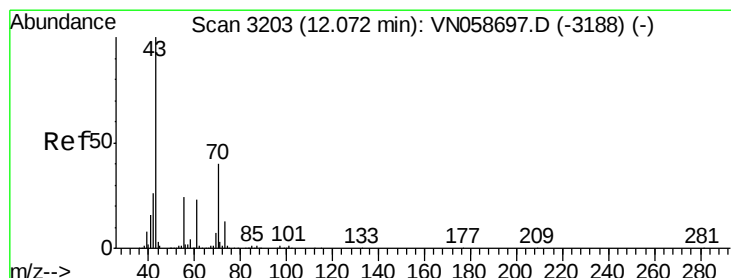
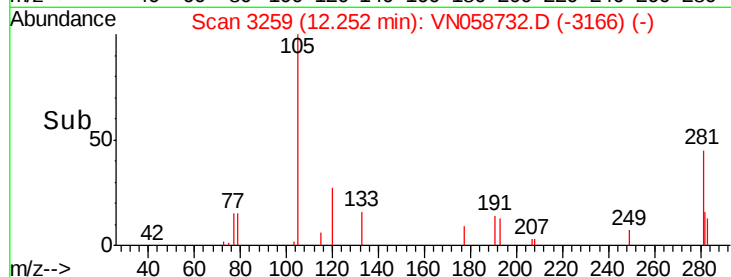
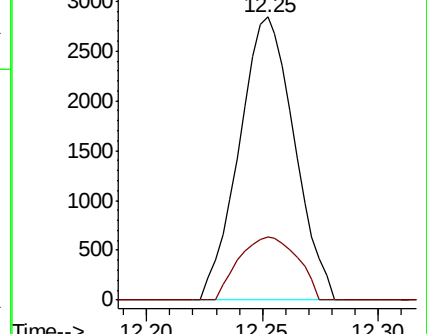
105 100

120 23.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.653 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Tgt Ion: 43 Resp: 5178

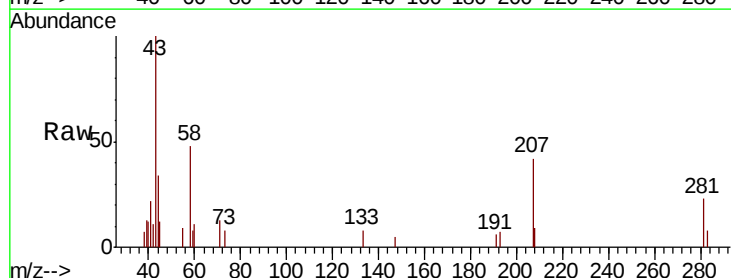
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 7.3 19.6 29.4#

61 0.0 18.6 28.0#

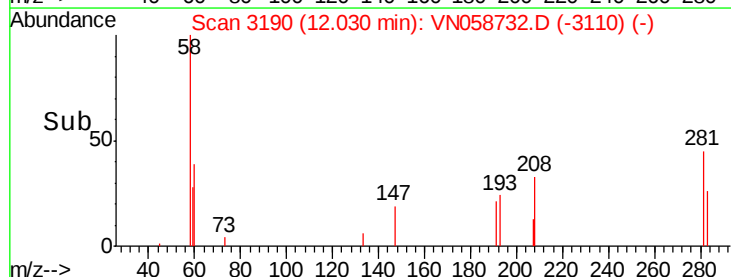
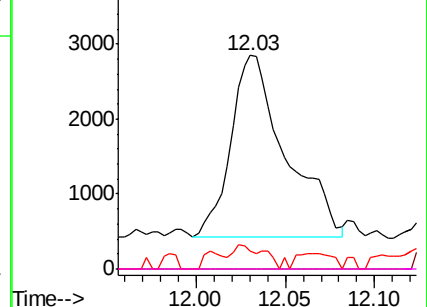


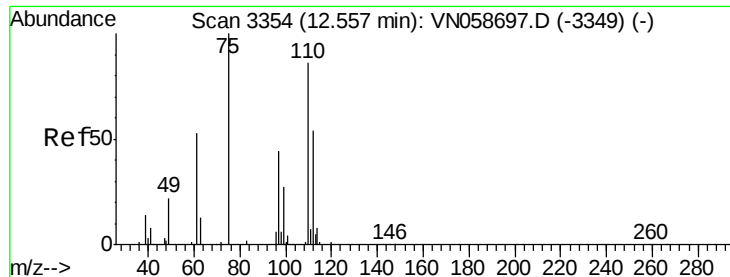
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

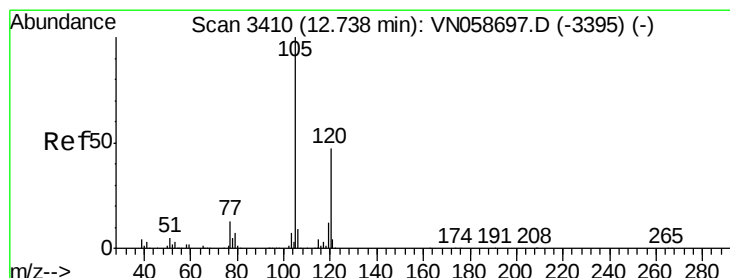
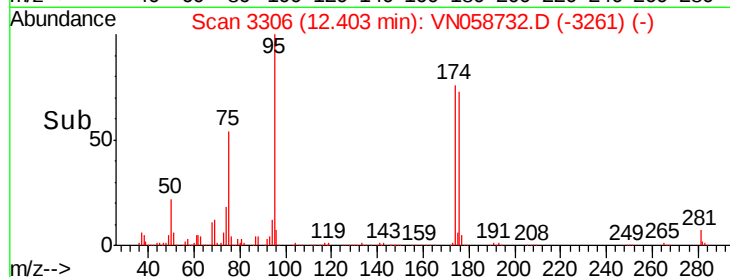
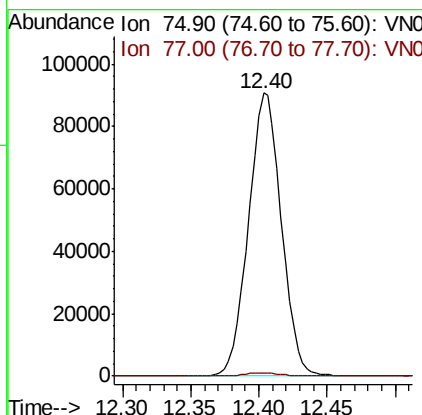
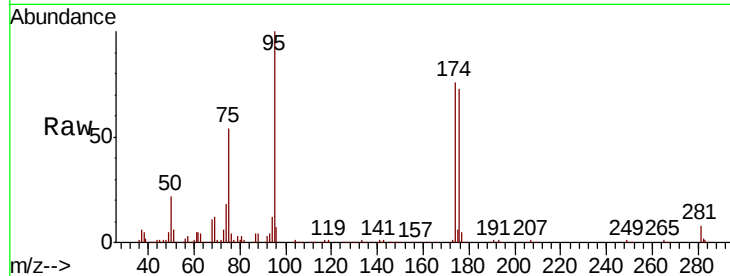




#76
 1,2,3-Trichloropropane
 Concen: 28.353 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

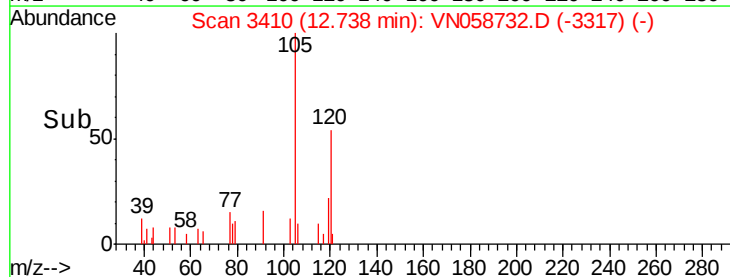
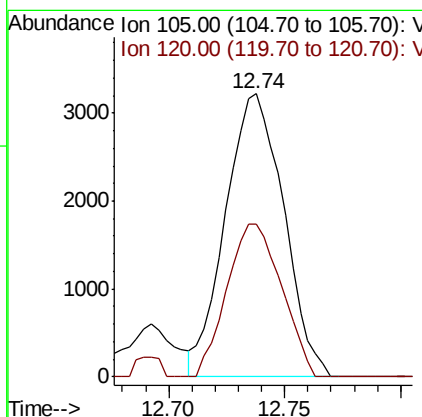
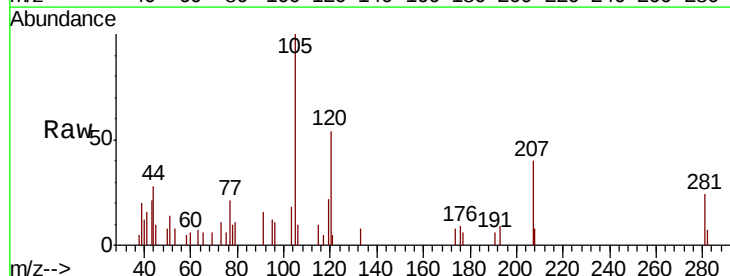
Instrument :
 MSVOA_N
 ClientSampled :

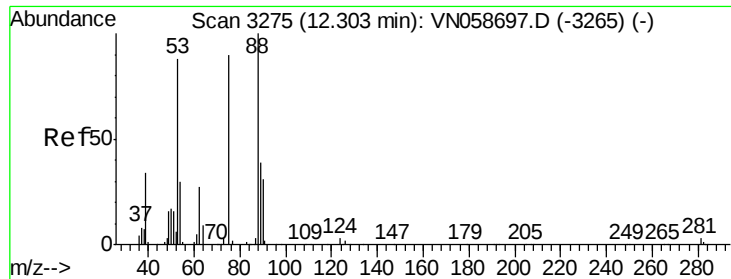
Tot Ion: 75 Resp: 151740
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.372 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

Tgt Ion: 105 Resp: 5618
 Ion Ratio Lower Upper
 105 100
 120 50.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 75.950 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampled :

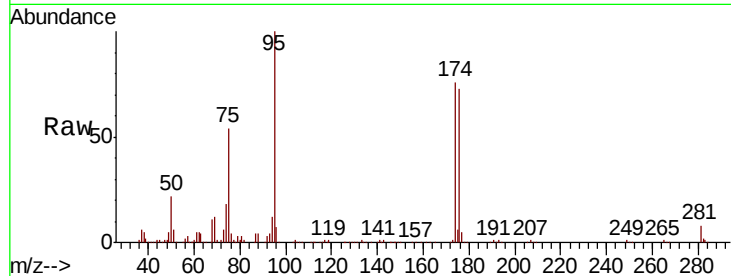
Tot Ion: 75 Resp: 151740

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

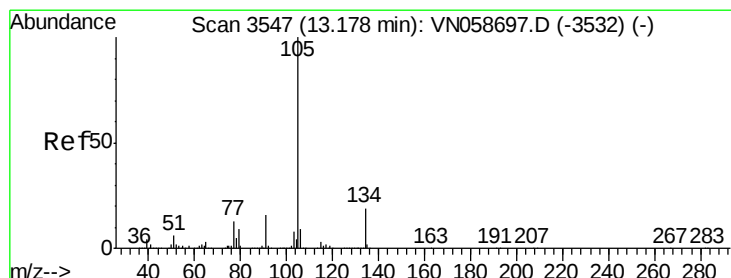
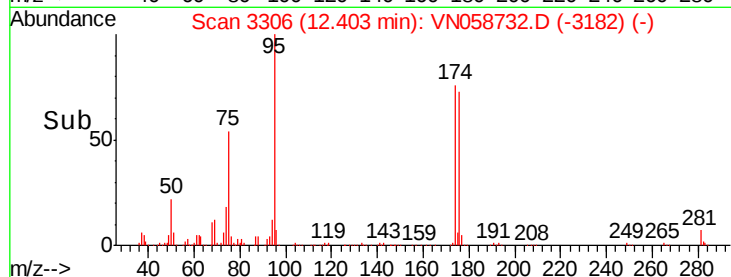
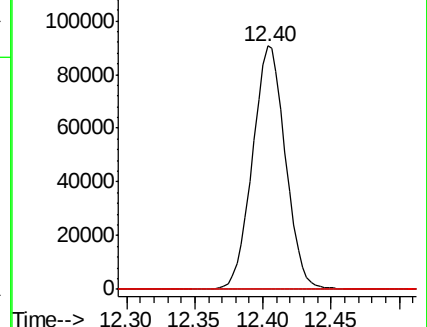
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058697.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058697.D (-3265) (-)



#85

sec-Butylbenzene

Concen: 0.231 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058732.D

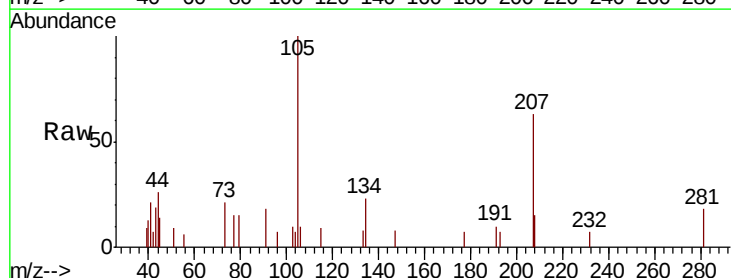
Acq: 12 Oct 2019 3:23

Tgt Ion: 105 Resp: 3929

Ion Ratio Lower Upper

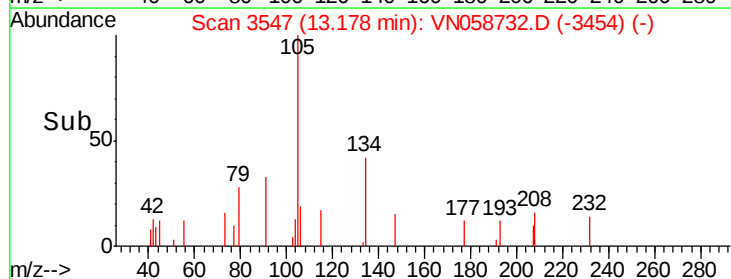
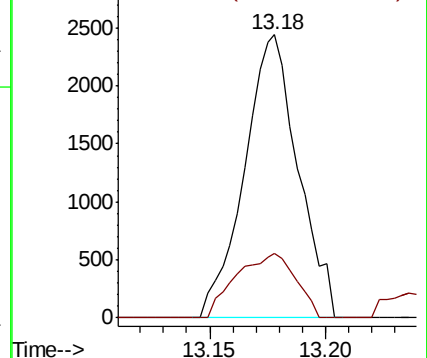
105 100

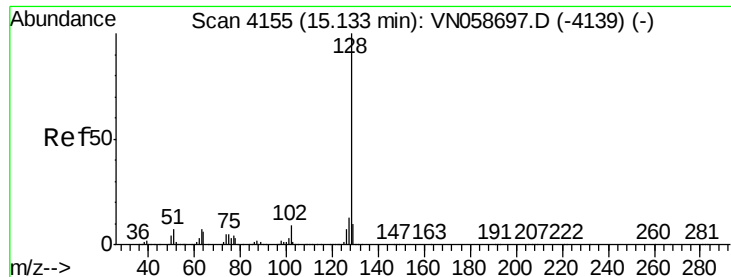
134 25.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3532) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3532) (-)

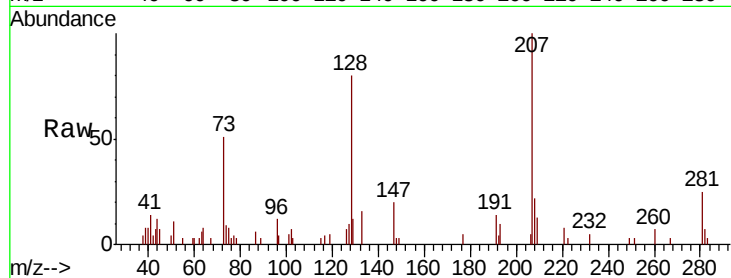




#95
 Naphthalene
 Concen: 0.640 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.2	15.4
129	14.0	8.5	12.7



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

