

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 :
 RAW-DISCRETE-CORE-C-3

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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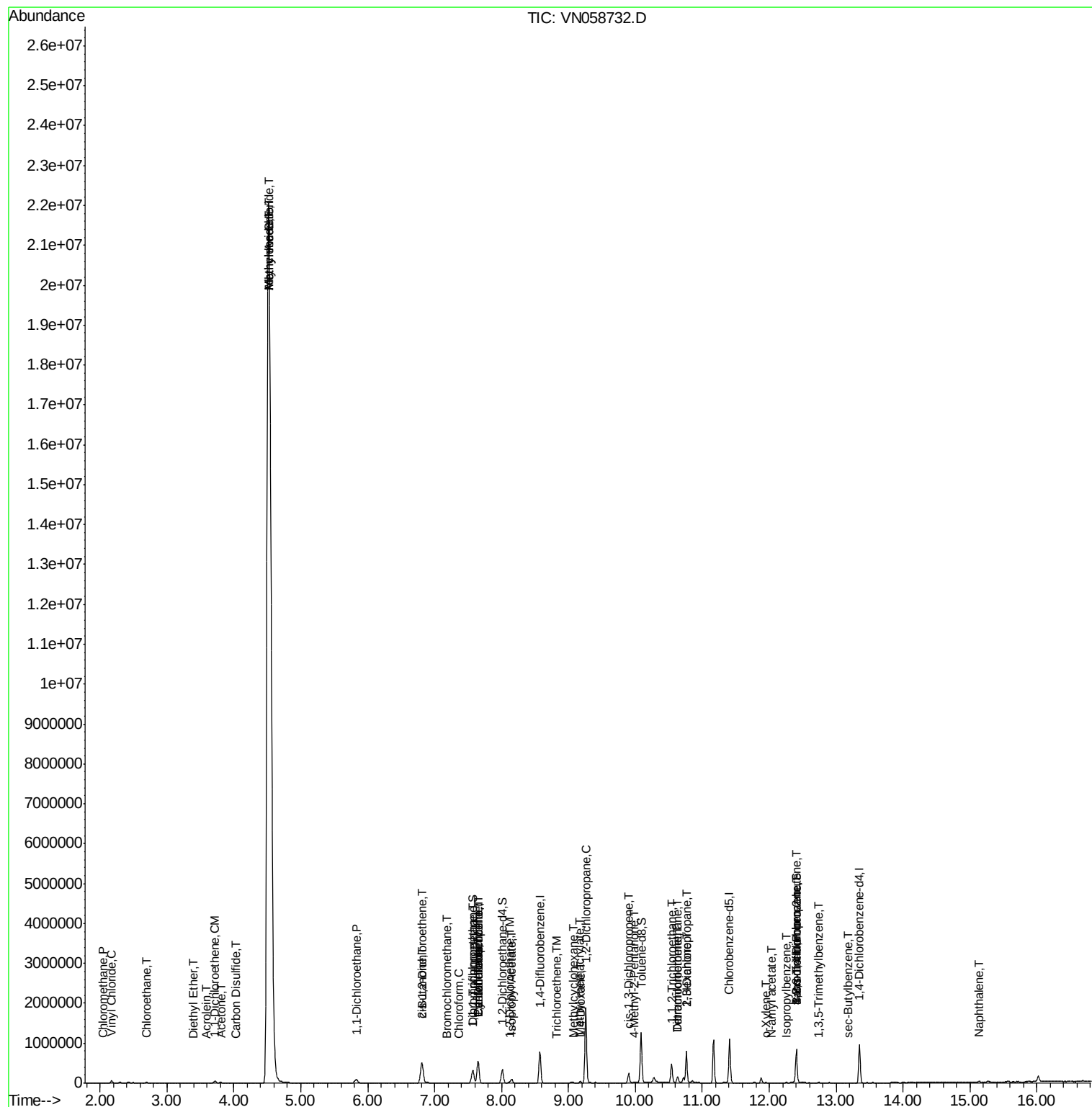
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	11.95	106	1689	0.213	ug/l	86
71) Bromoform	12.41	173	790	0.238	ug/l #	1
73) Isopropylbenzene	12.25	105	4696	0.266	ug/l	96
74) N-amyl acetate	12.03	43	5178	0.653	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	151740	28.353	ug/l #	100
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

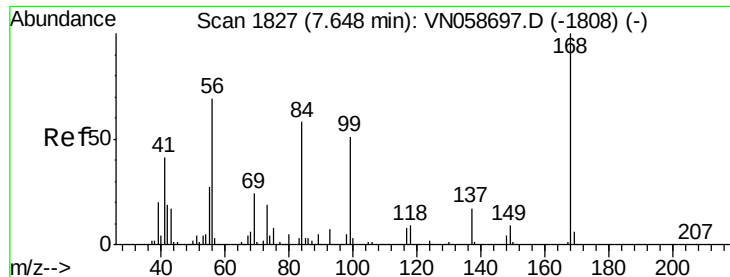
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

ClientSampleId :

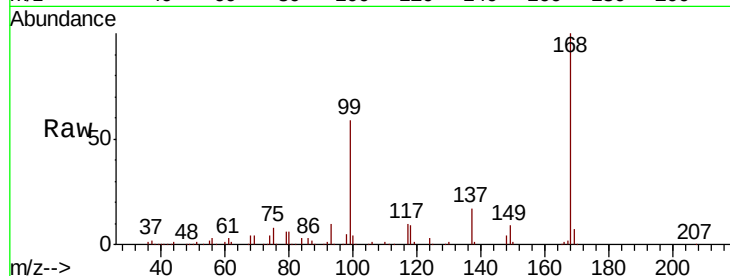
RAW-DISCRETE-CORE-C-3

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

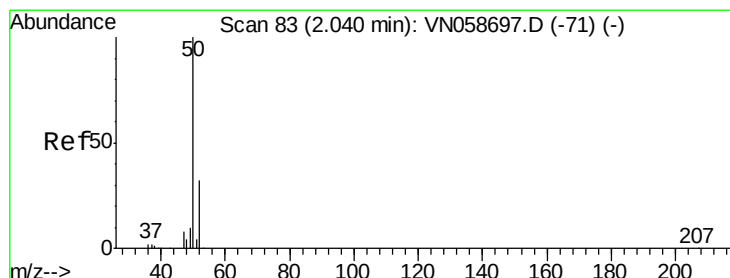
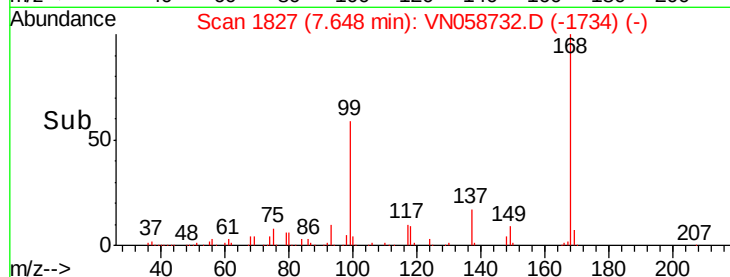
150000

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

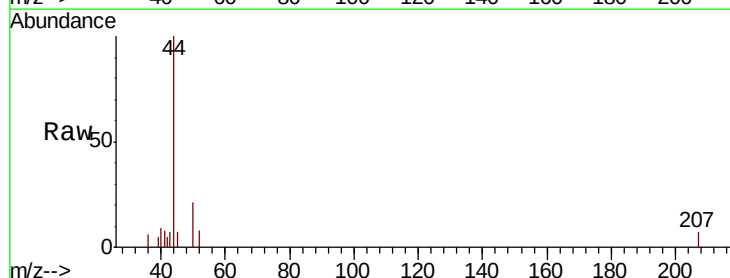
Acq: 12 Oct 2019 3:23

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

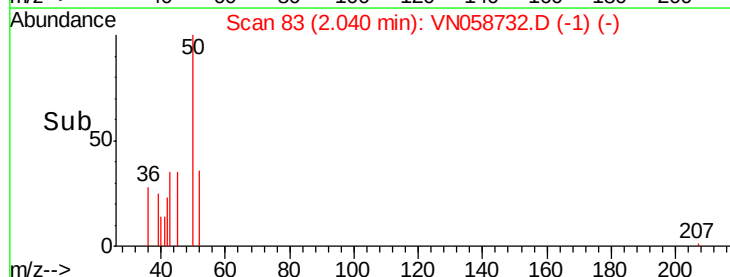
600

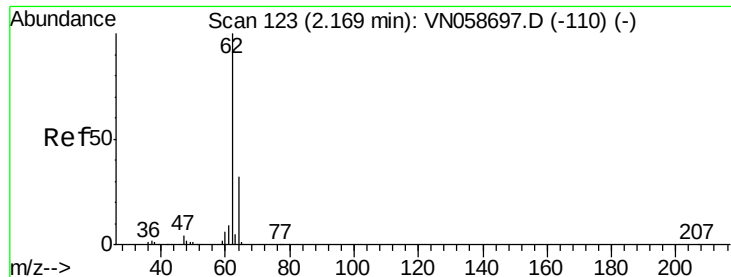
400

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

ClientSampleId :

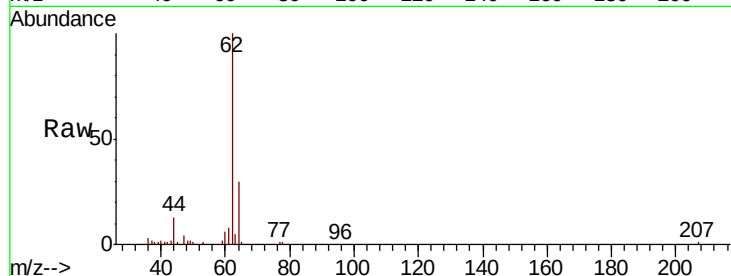
RAW-DISCRETE-CORE-C-3

Tot Ion: 62 Resp: 48232

Ion Ratio Lower Upper

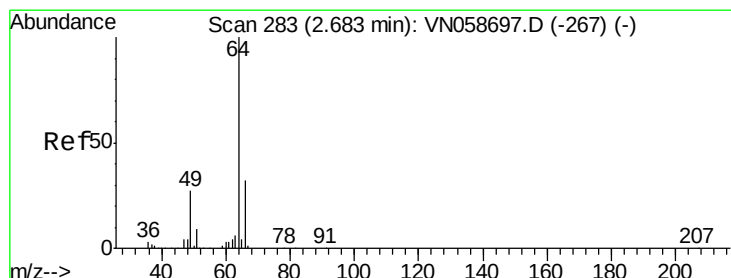
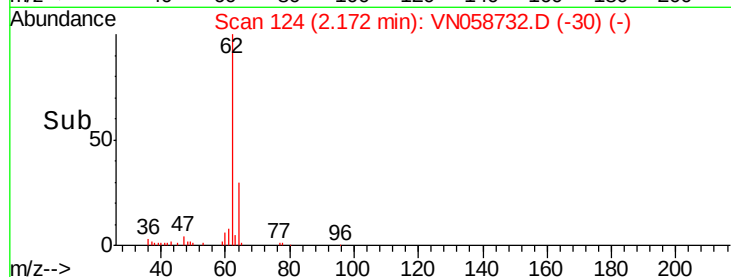
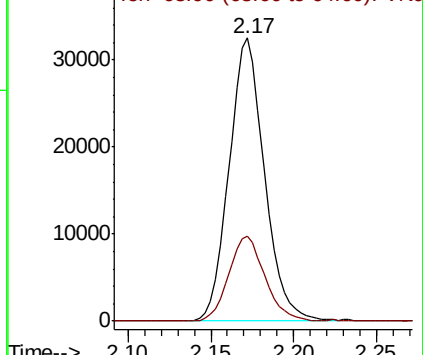
62 100

64 30.1 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#6

Chloroethane

Concen: 0.815 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058732.D

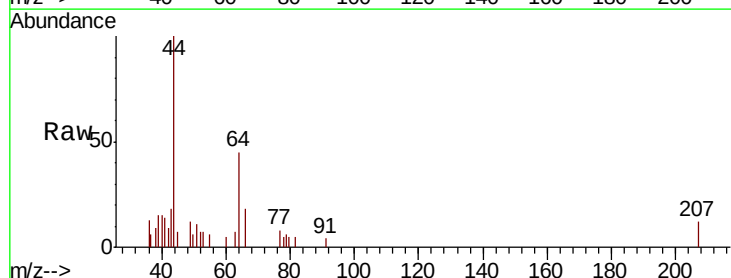
Acq: 12 Oct 2019 3:23

Tgt Ion: 64 Resp: 3209

Ion Ratio Lower Upper

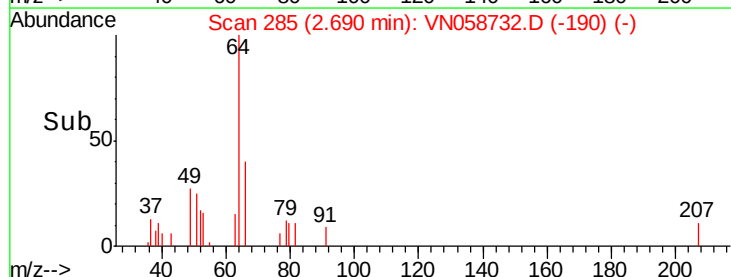
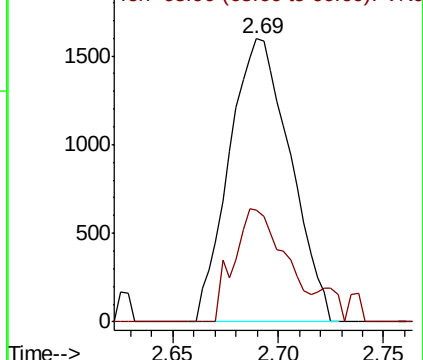
64 100

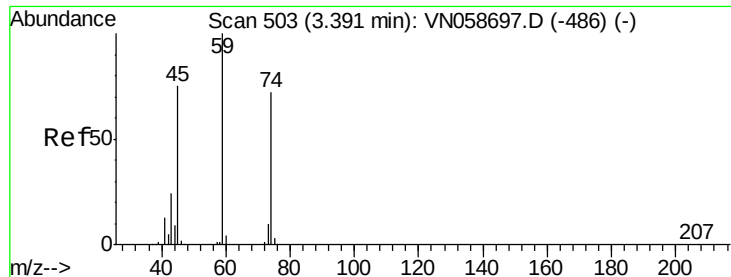
66 39.7 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#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 :

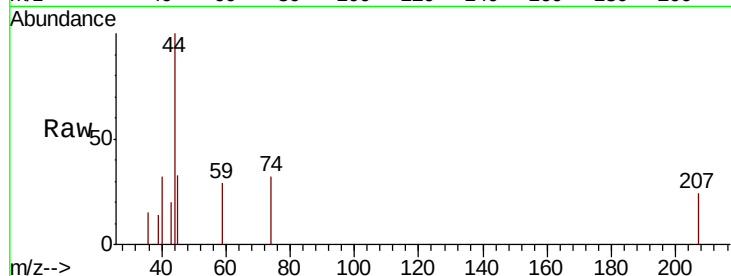
RAW-DISCRETE-CORE-C-3

Tot Ion: 74 Resp: 644

Ion Ratio Lower Upper

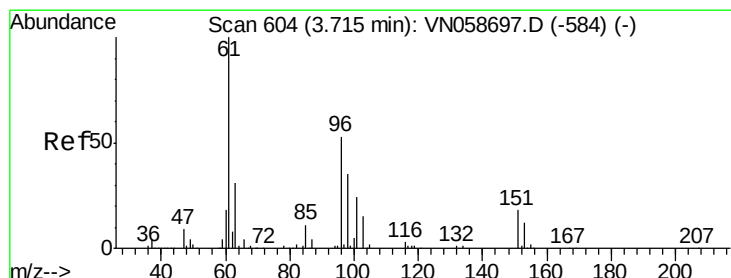
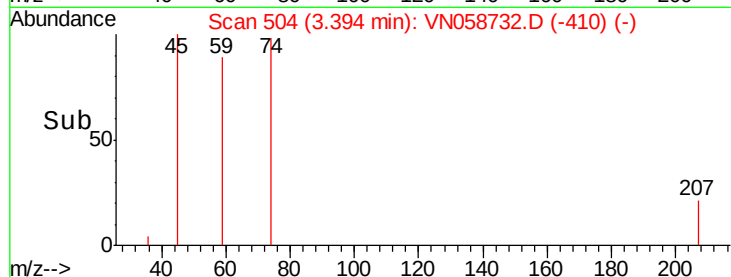
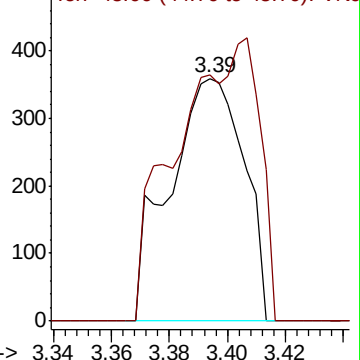
74 100

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

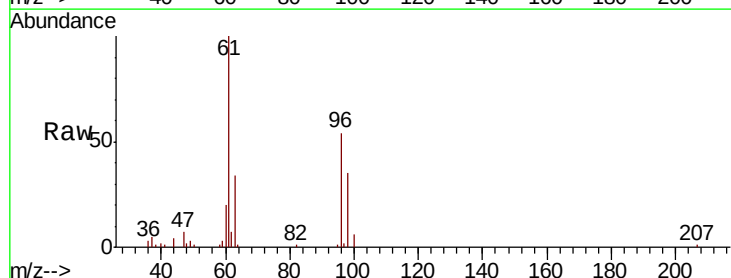
Tgt Ion: 96 Resp: 23630

Ion Ratio Lower Upper

96 100

61 183.0 151.3 226.9

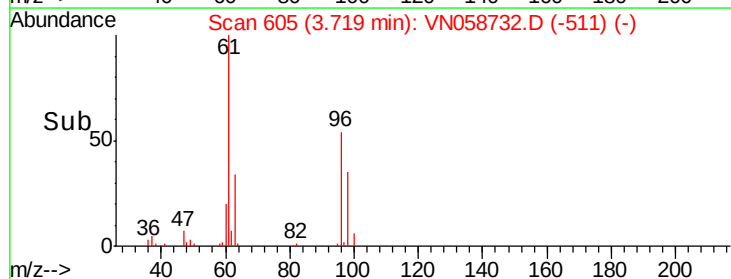
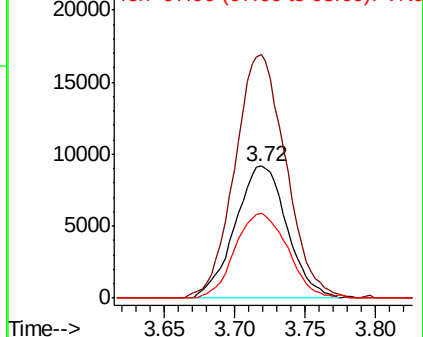
98 64.7 52.6 78.8

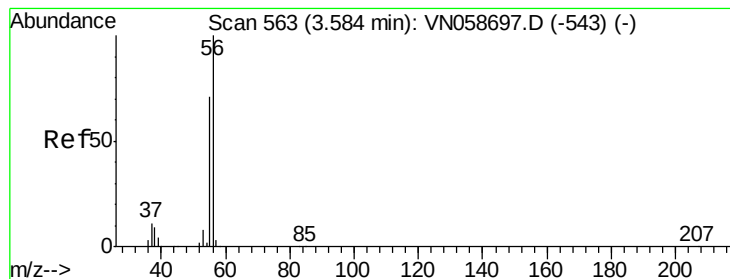


Abundance Ion 95.90 (95.60 to 96.60): VN0

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 :

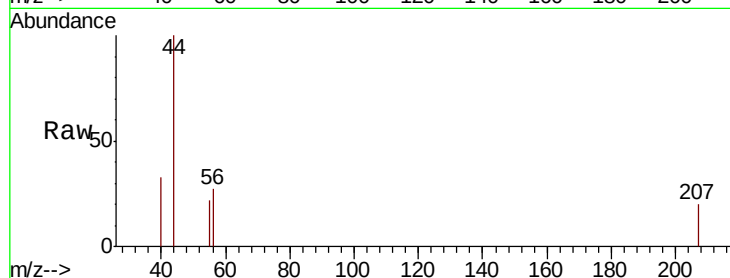
RAW-DISCRETE-CORE-C-3

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

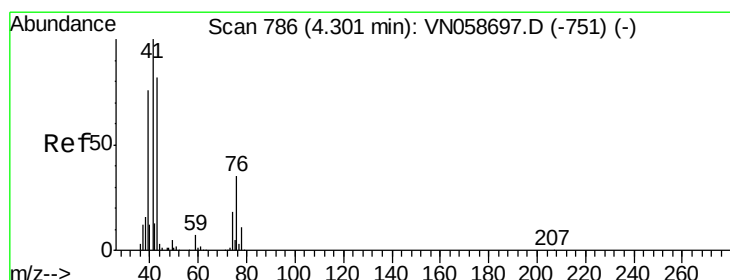
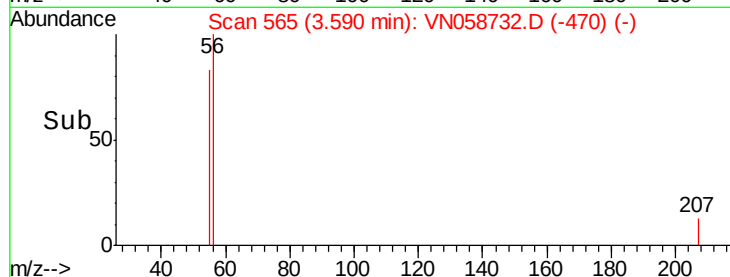
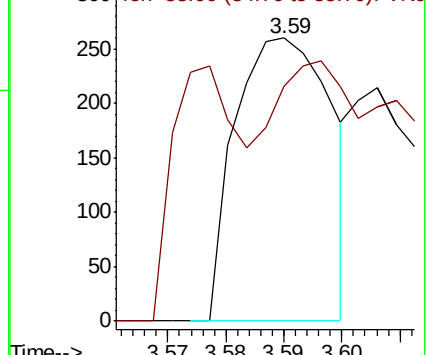
56 100

55 64.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#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

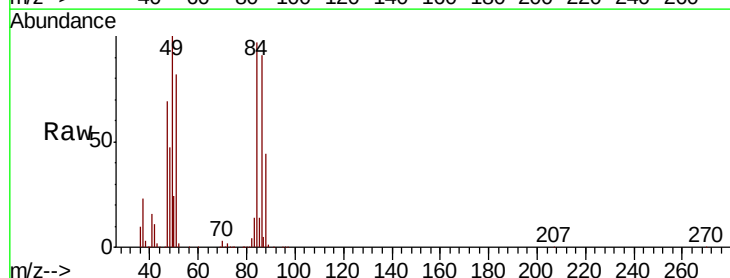
Tgt Ion: 41 Resp: 1647572

Ion Ratio Lower Upper

41 100

39 1.1 57.2 85.8#

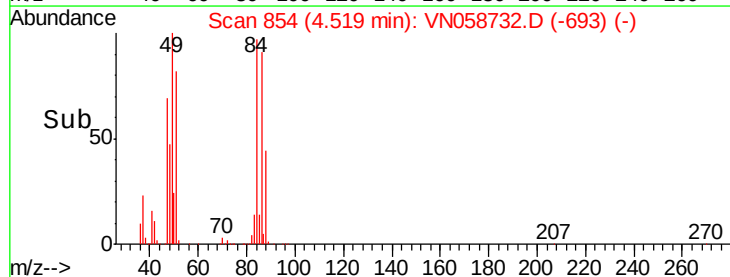
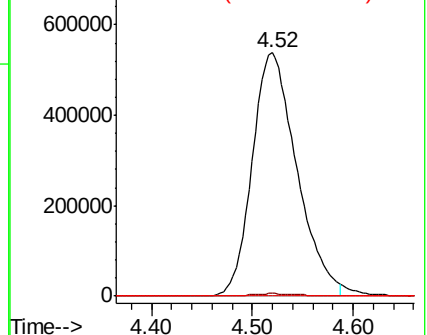
76 0.0 25.0 37.6#

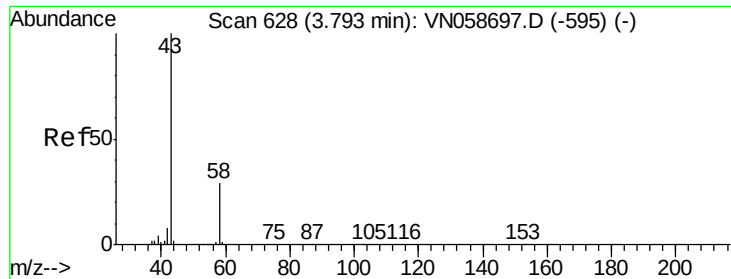


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

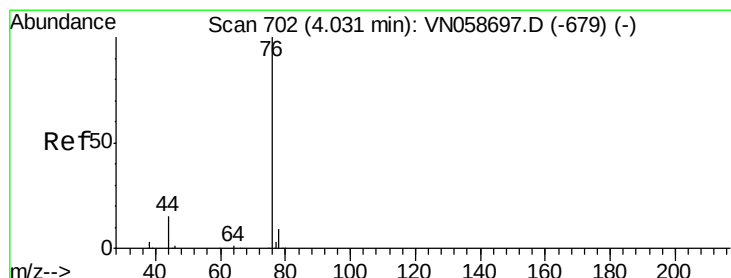
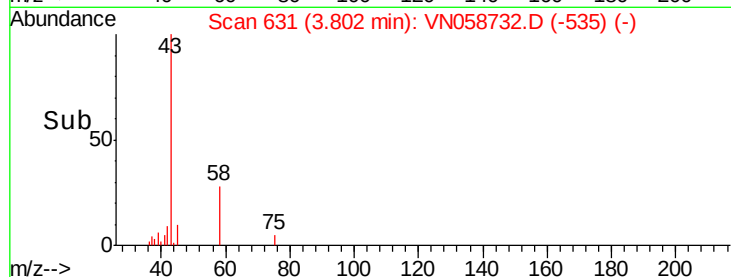
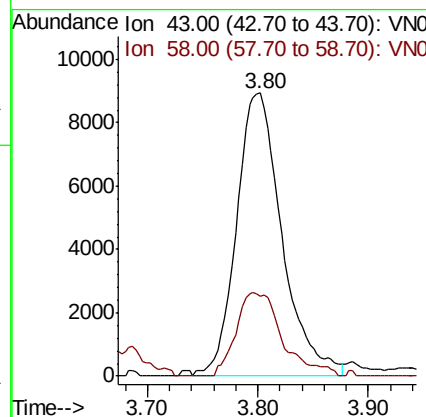
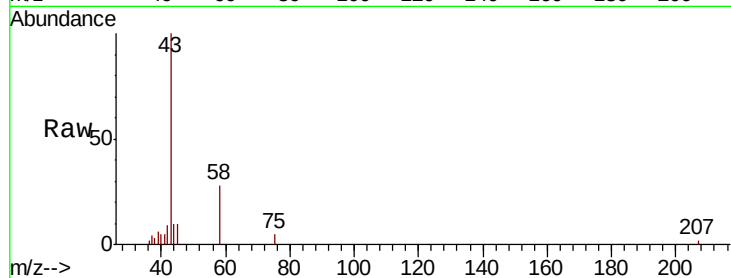




#16
Acetone
Concen: 10.202 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

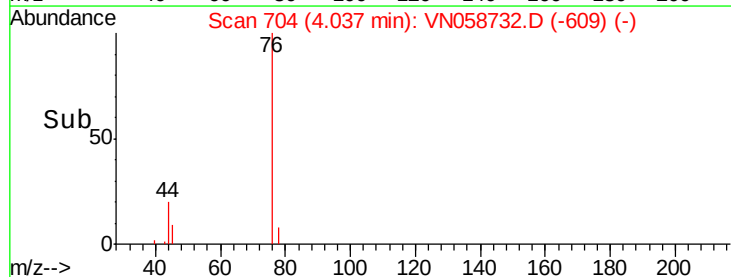
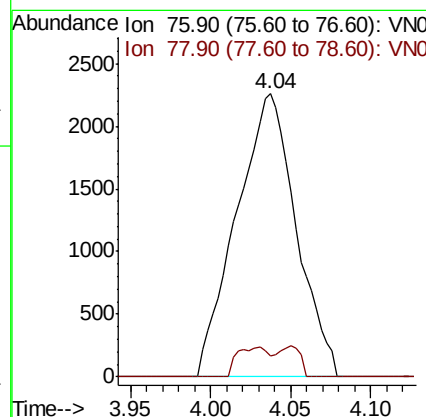
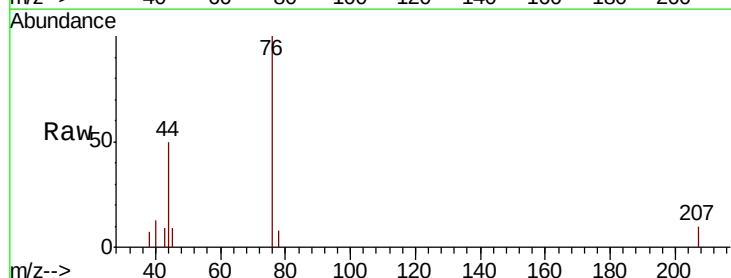
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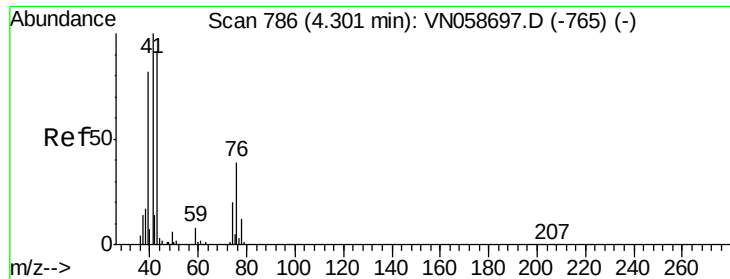
Tot Ion: 43 Resp: 25581
Ion Ratio Lower Upper
43 100
58 28.4 23.3 34.9



#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

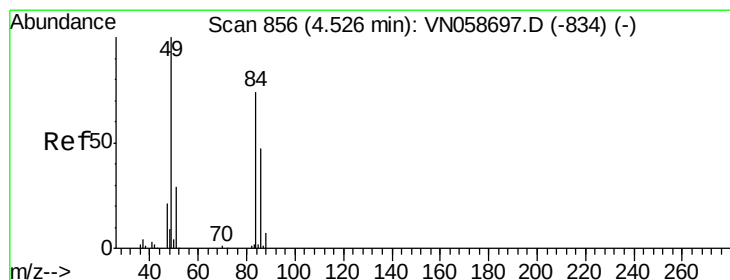
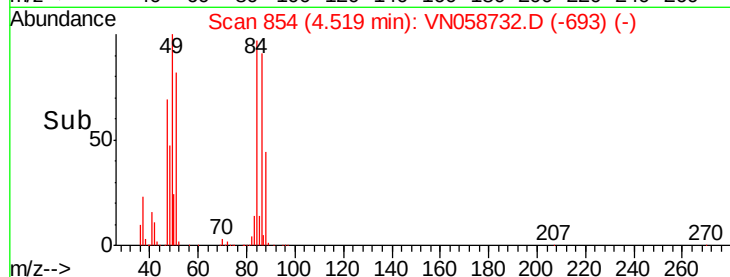
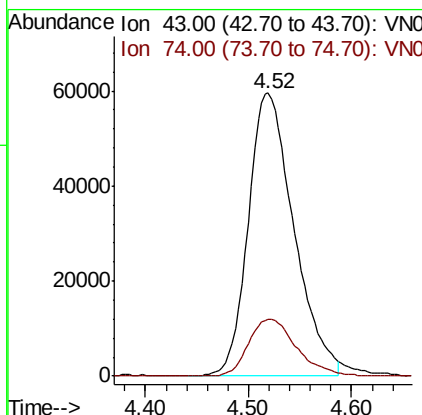
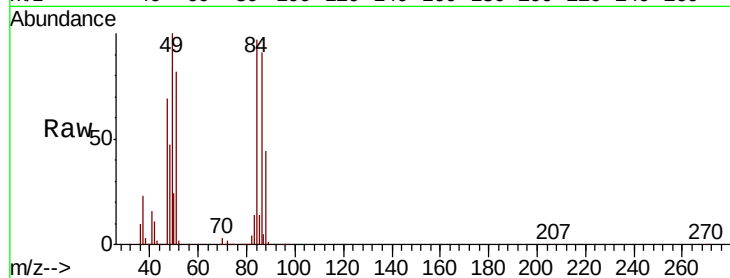




#18
Methvl Acetate
Concen: 28.744 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.22 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

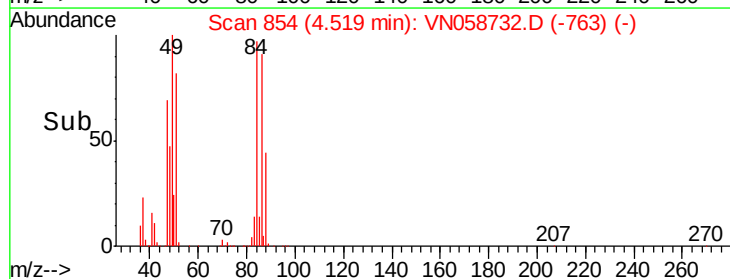
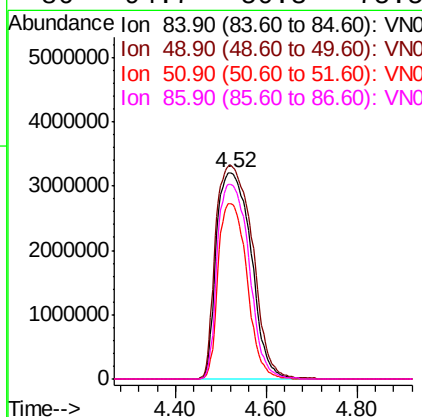
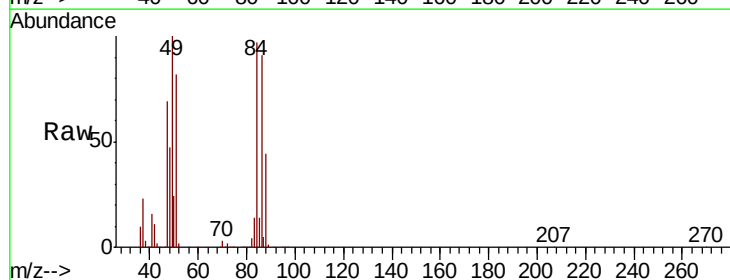
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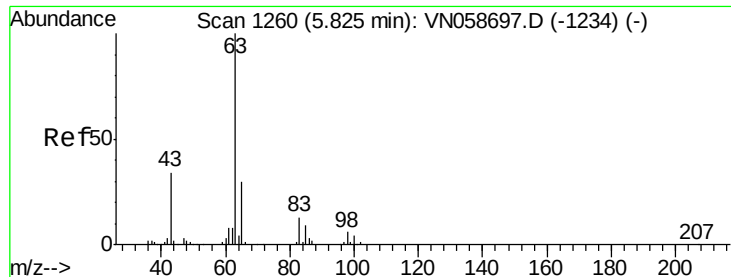
Tot Ion: 43 Resp: 182819
Ion Ratio Lower Upper
43 100
74 20.9 17.2 25.8



#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

ClientSampleId :

RAW-DISCRETE-CORE-C-3

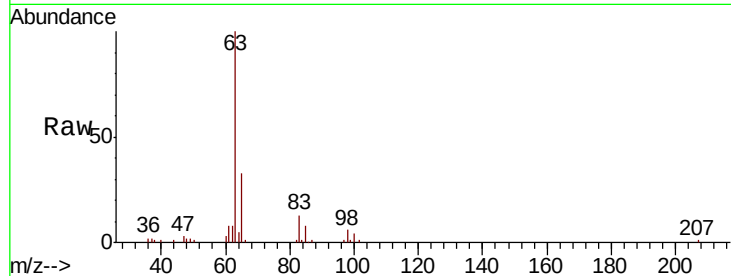
Tot Ion: 63 Resp: 136857

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

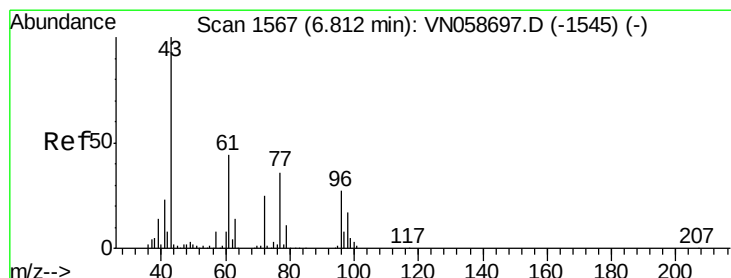
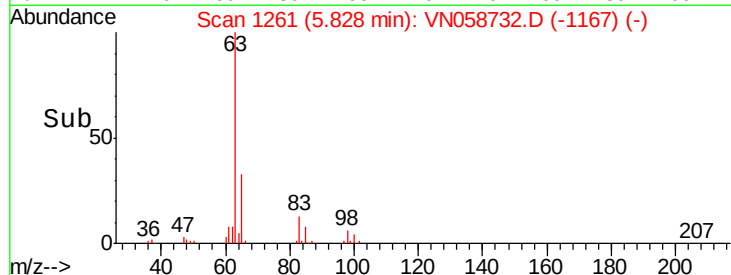
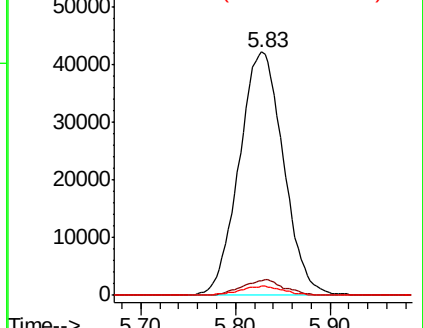
100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN058732.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058732.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058732.D (-1167) (-)



#25

2-Butanone

Concen: 1.299 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058732.D

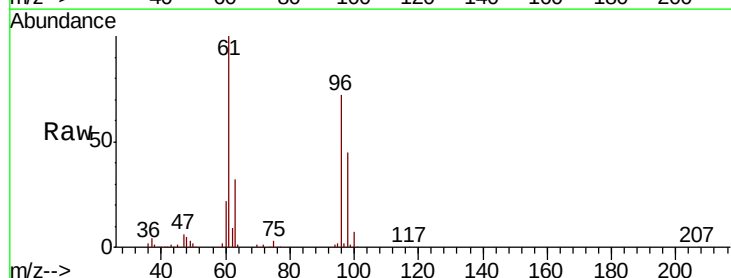
Acq: 12 Oct 2019 3:23

Tgt Ion: 43 Resp: 4707

Ion Ratio Lower Upper

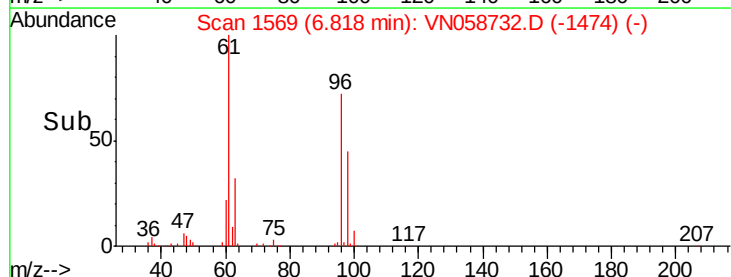
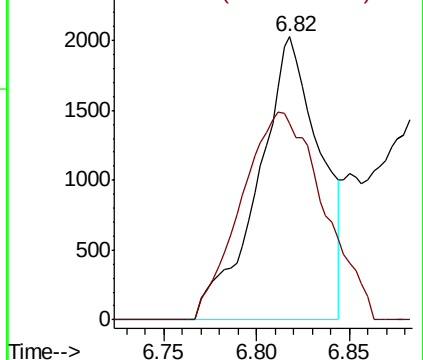
43 100

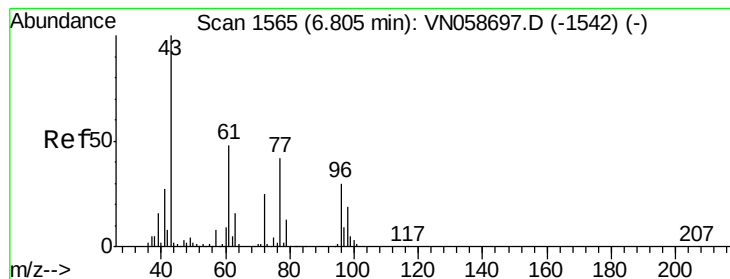
72 69.2 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058732.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058732.D (-1474) (-)





#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

ClientSampleId :

RAW-DISCRETE-CORE-C-3

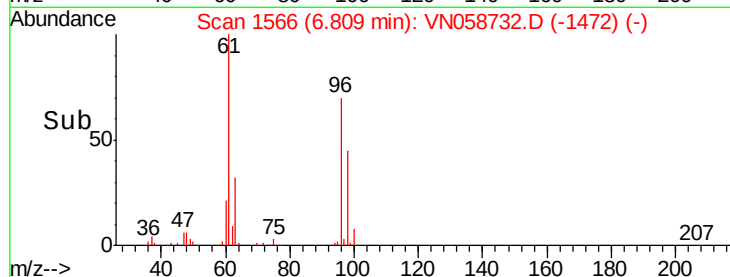
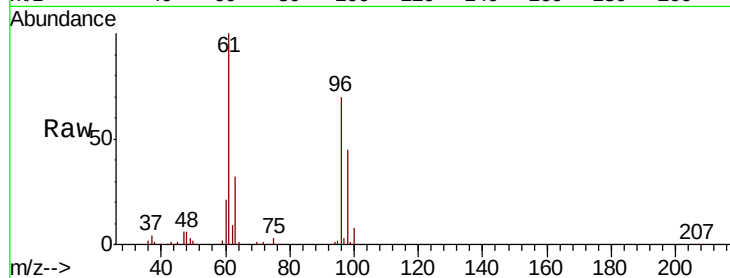
Tot Ion: 96 Resp: 326695

Ion Ratio Lower Upper

96 100

61 139.9 0.0 324.8

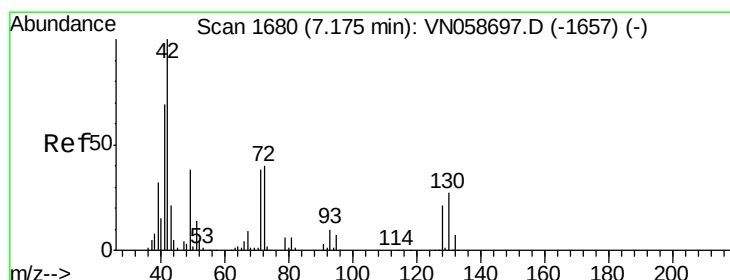
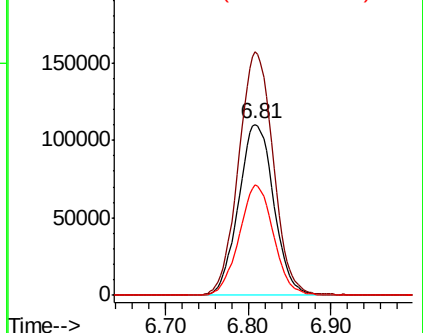
98 62.9 0.0 129.2



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

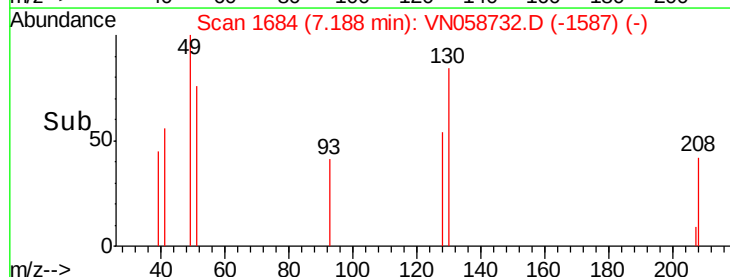
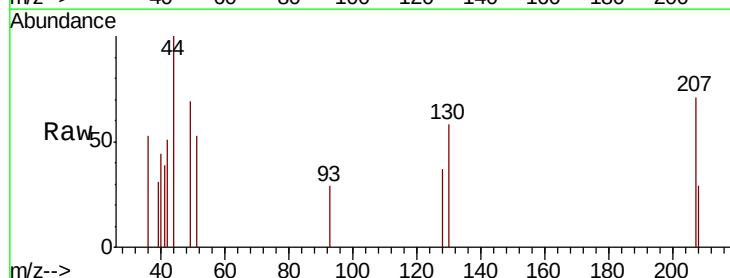
Tgt Ion: 49 Resp: 855

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

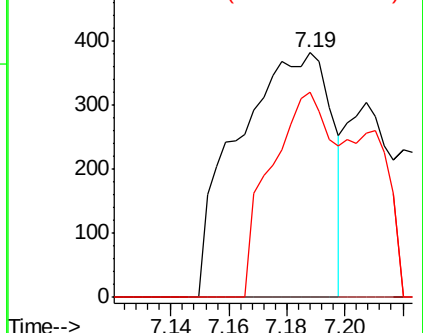
130 55.3 55.0 82.4

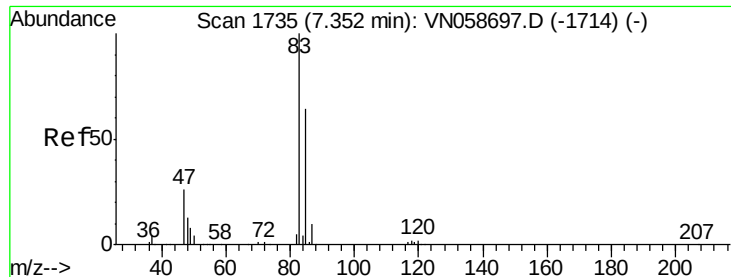


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

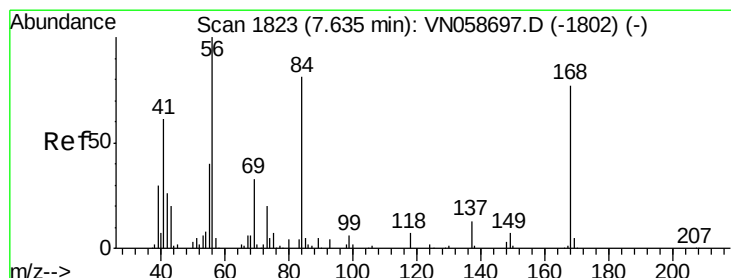
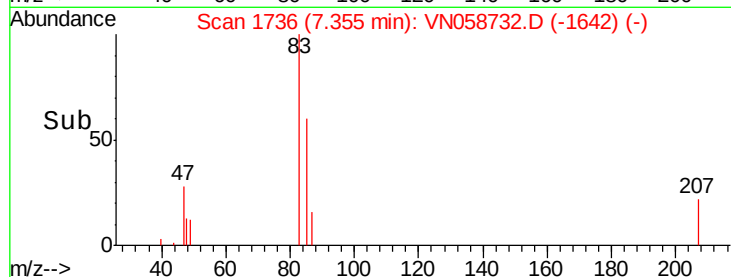
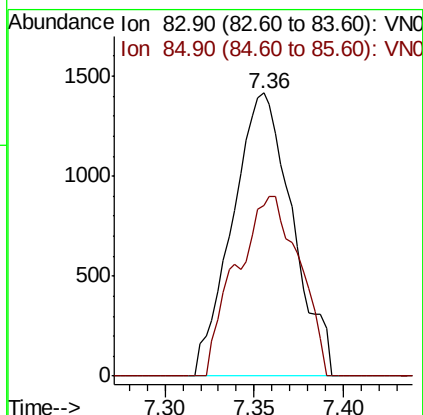
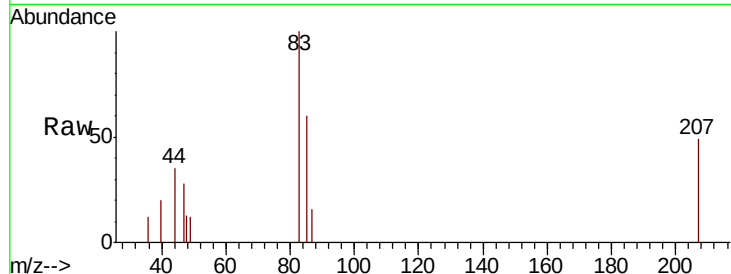




#30
Chloroform
Concen: 0.355 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

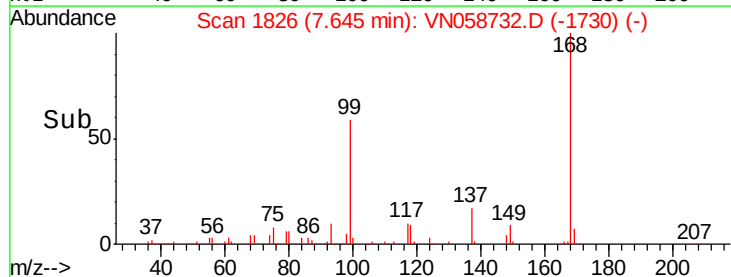
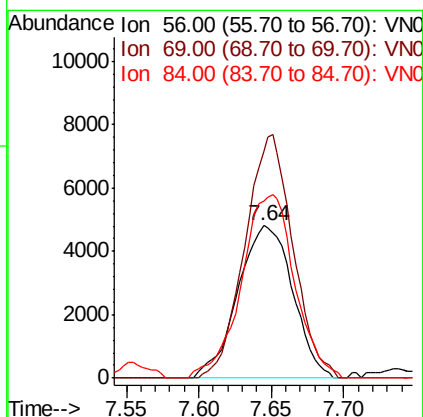
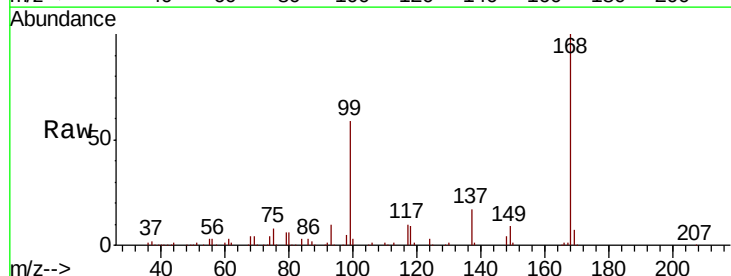
Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-3

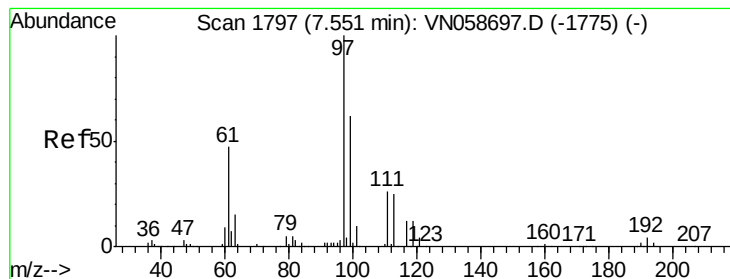
Tot Ion: 83 Resp: 3314
Ion Ratio Lower Upper
83 100
85 60.4 51.0 76.6



#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

ClientSampleId :

RAW-DISCRETE-CORE-C-3

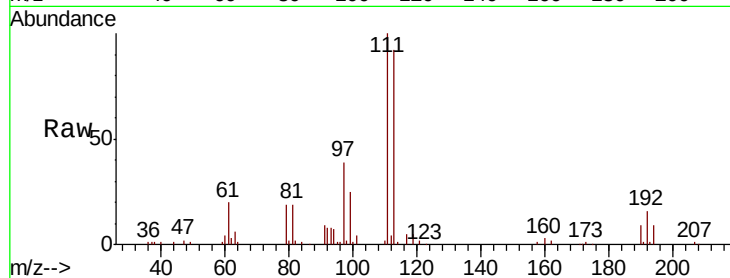
Tot Ion: 97 Resp: 49427

Ion Ratio Lower Upper

97 100

99 65.0 50.8 76.2

61 49.5 38.1 57.1

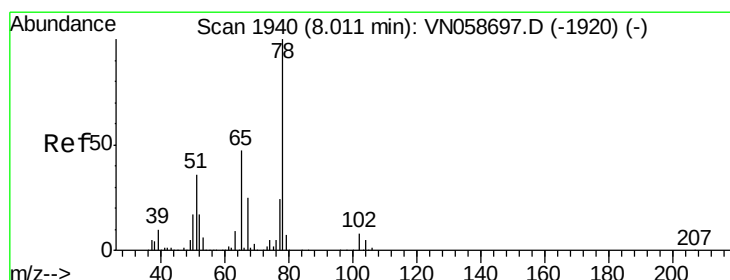
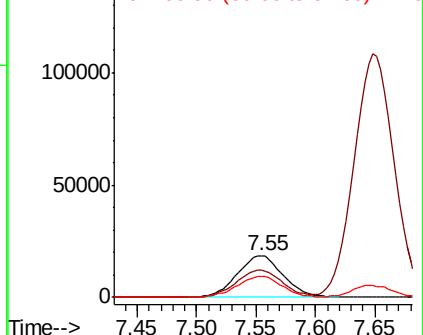
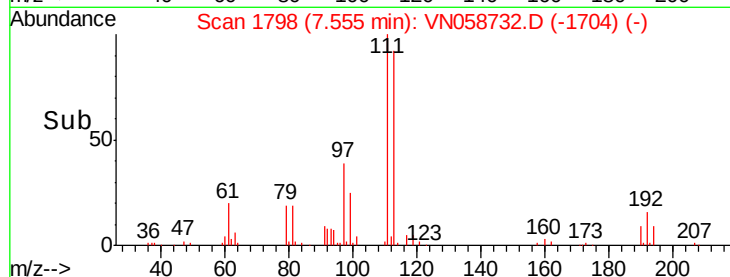


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#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

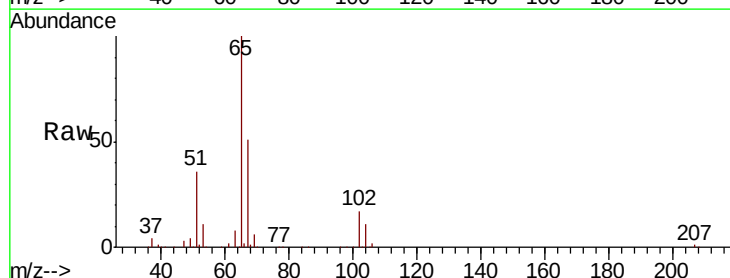
Acq: 12 Oct 2019 3:23

Tgt Ion: 65 Resp: 297768

Ion Ratio Lower Upper

65 100

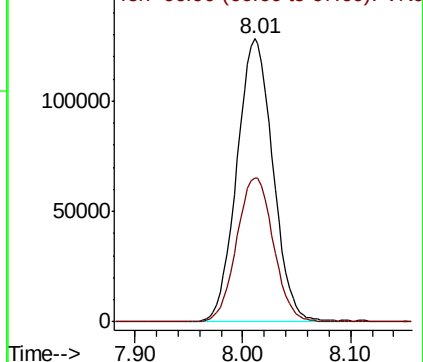
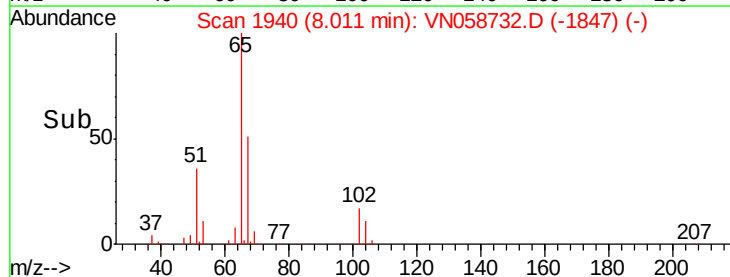
67 52.0 0.0 103.8

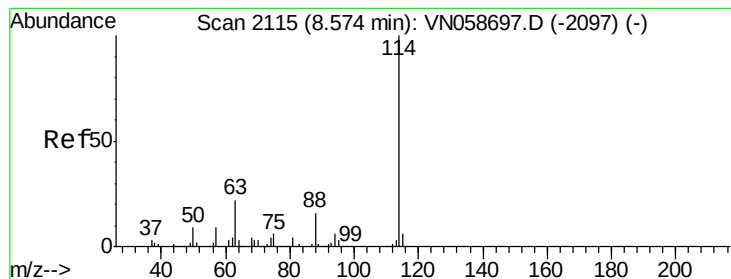


Abundance

Ion 64.90 (64.60 to 65.60): 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: VN058732.D

Acq: 12 Oct 2019 3:23

Instrument :

MSVOA_N

ClientSampleId :

RAW-DISCRETE-CORE-C-3

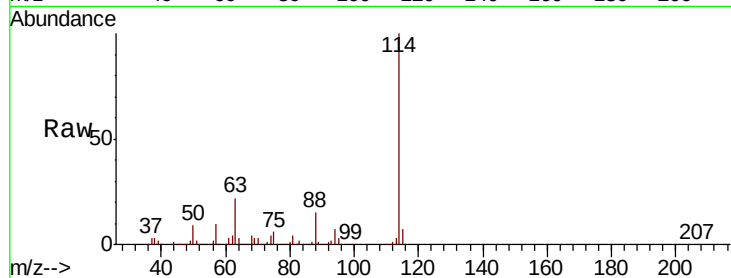
Tot Ion:114 Resp: 672307

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

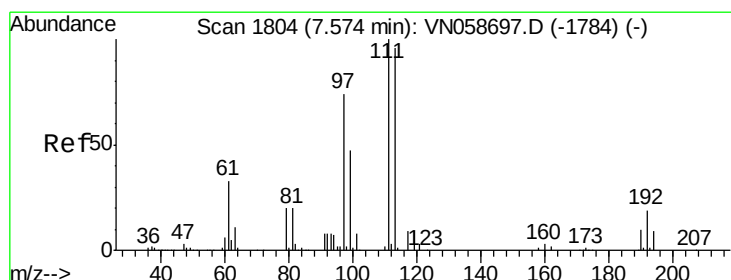
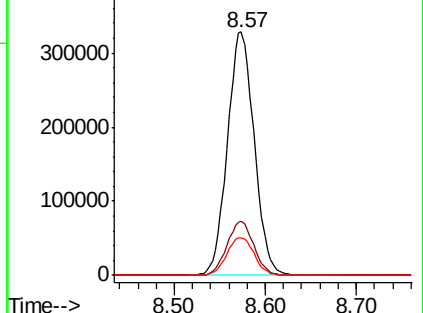
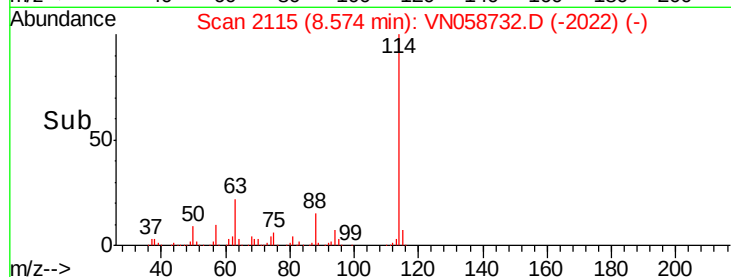
88 15.5 0.0 32.0



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

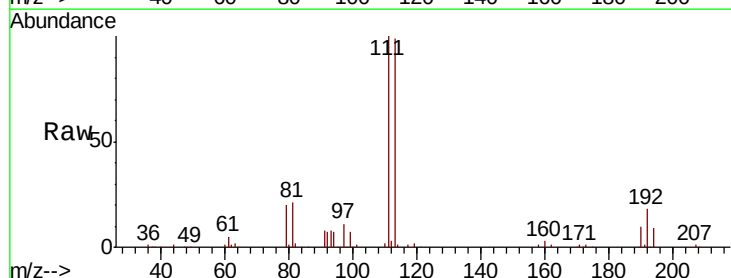
Tgt Ion:113 Resp: 215423

Ion Ratio Lower Upper

113 100

111 102.8 82.3 123.5

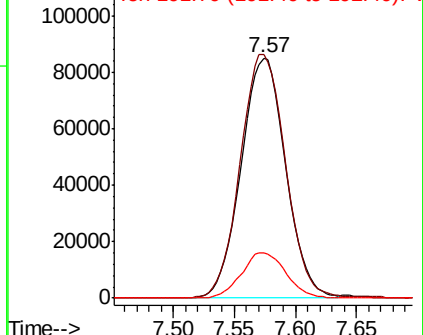
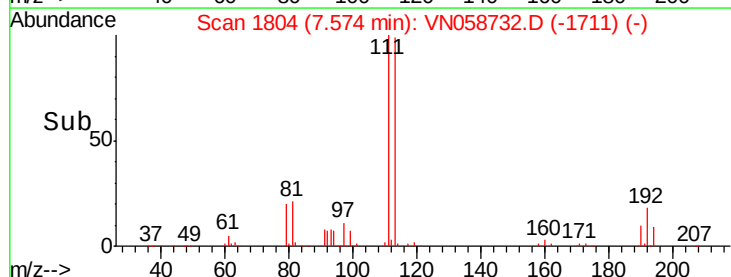
192 18.7 15.0 22.6

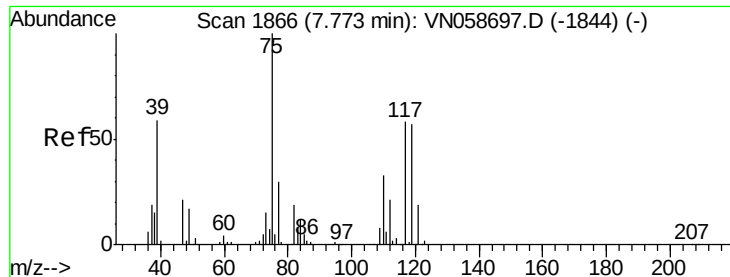


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

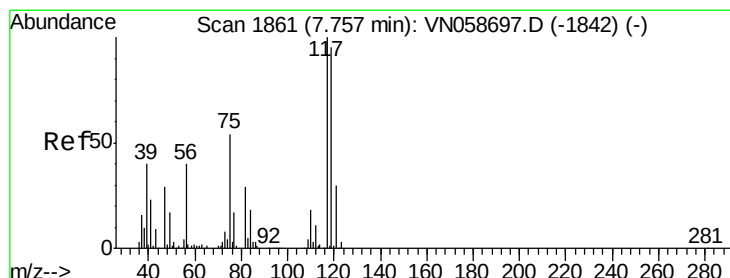
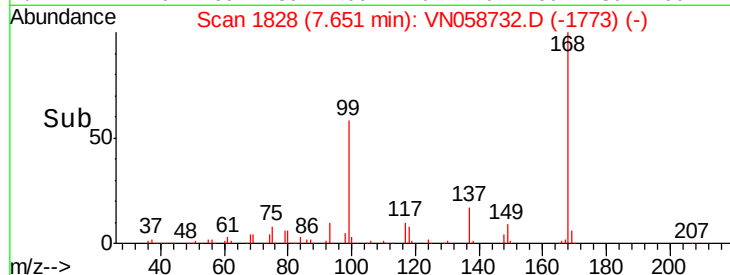
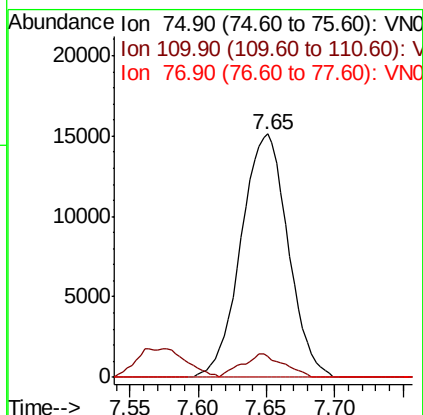
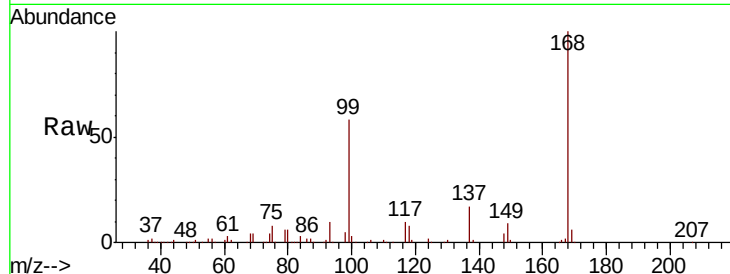




#36
 1,1-Dichloropropene
 Concen: 5.315 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058732.D
 Acq: 12 Oct 2019 3:23

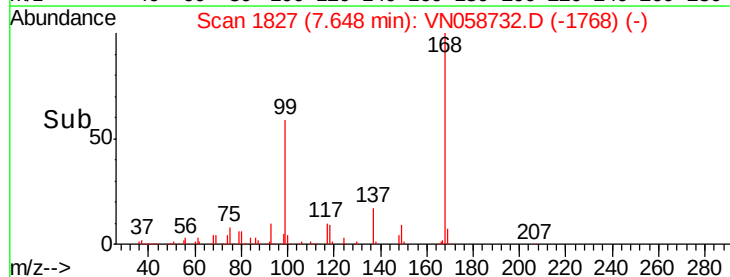
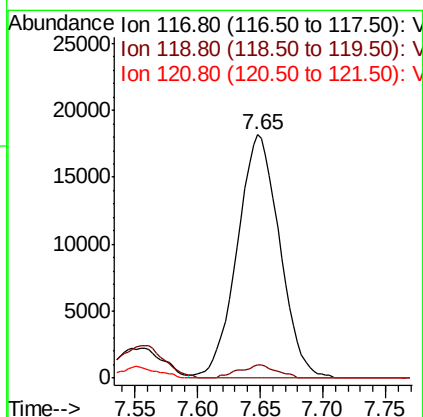
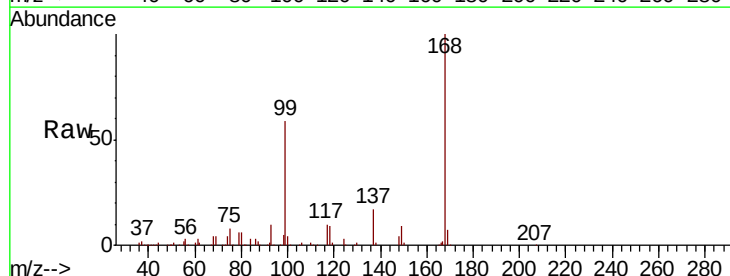
Instrument :
 MSVOA_N
 ClientSampleId :
 RAW-DISCRETE-CORE-C-3

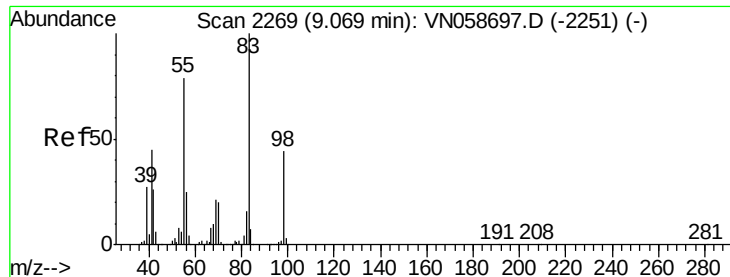
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.6	49.8#
77	0.0	24.6	37.0#



#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	Ratio	Lower	Upper
117	100		
119	5.6	75.7	113.5#
121	0.0	23.9	35.9#

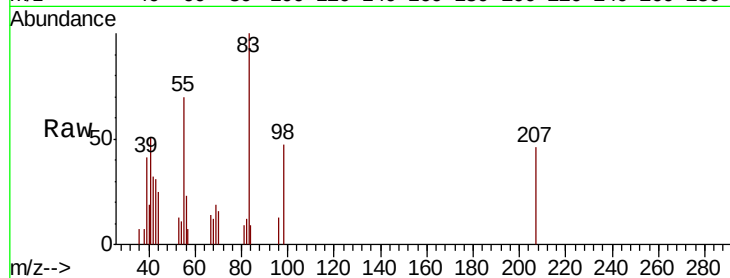




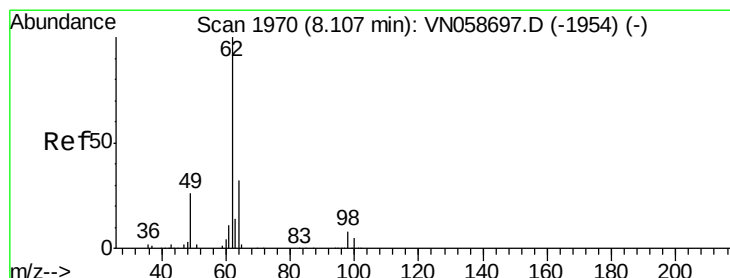
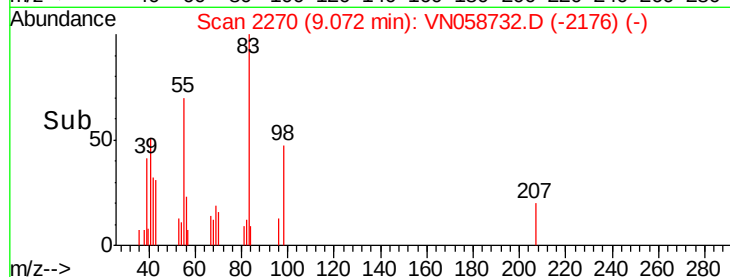
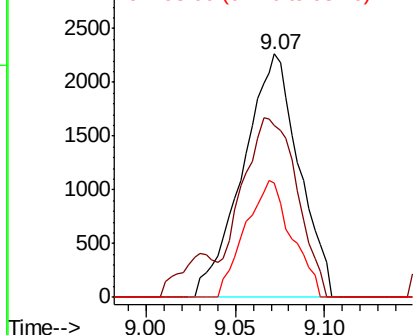
#39
Methylcyclohexane
Concen: 0.629 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-3

Tot Ion: 83 Resp: 4960
Ion Ratio Lower Upper
83 100
55 70.5 63.4 95.0
98 47.1 35.1 52.7

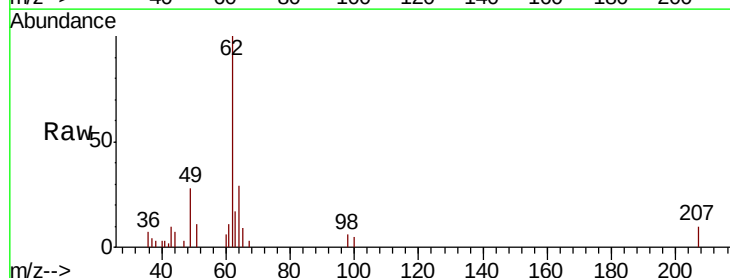


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

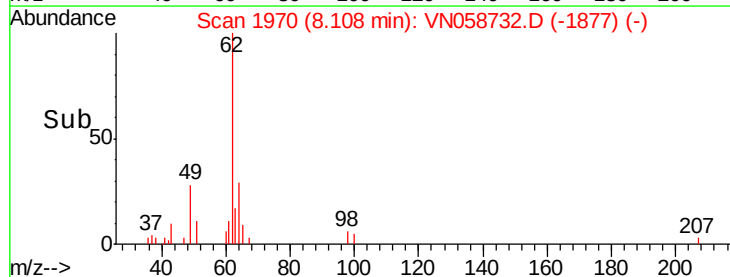
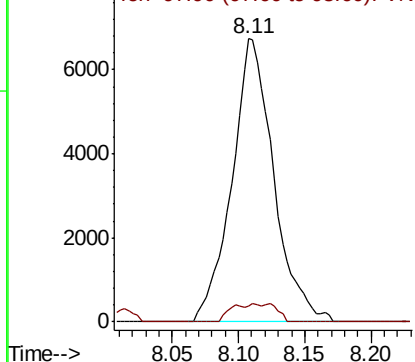


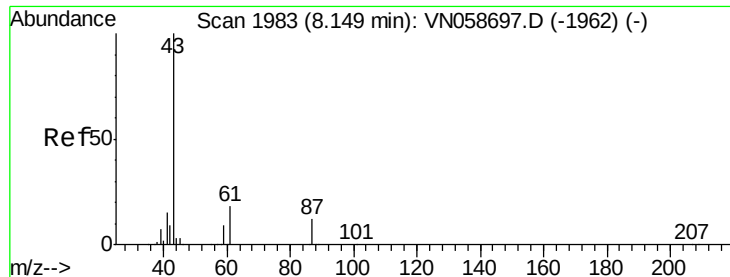
#42
1,2-Dichloroethane
Concen: 1.965 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Tgt Ion: 62 Resp: 14741
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

ClientSampleId :

RAW-DISCRETE-CORE-C-3

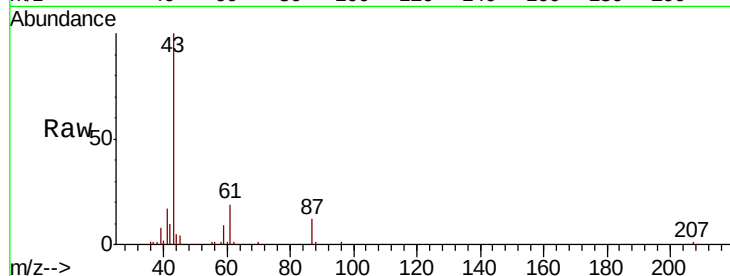
Tot Ion: 43 Resp: 108299

Ion Ratio Lower Upper

43 100

61 20.0 20.3 30.5#

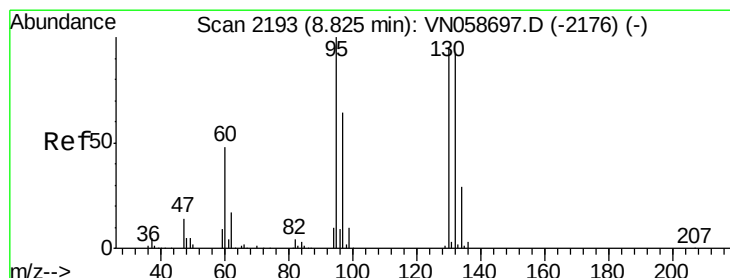
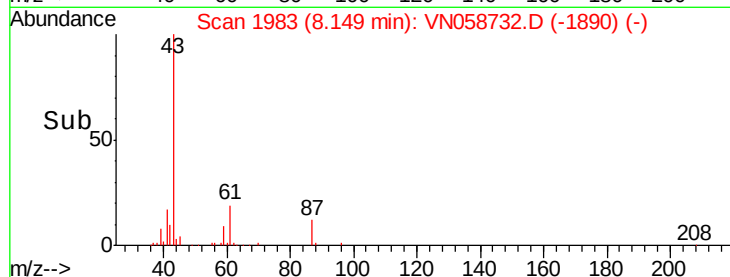
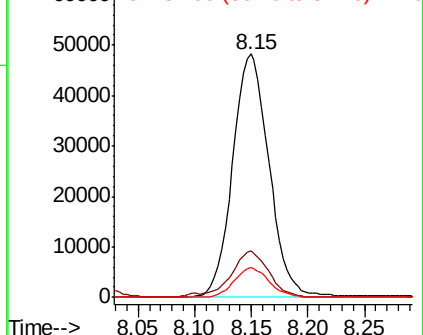
87 11.6 9.8 14.6



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

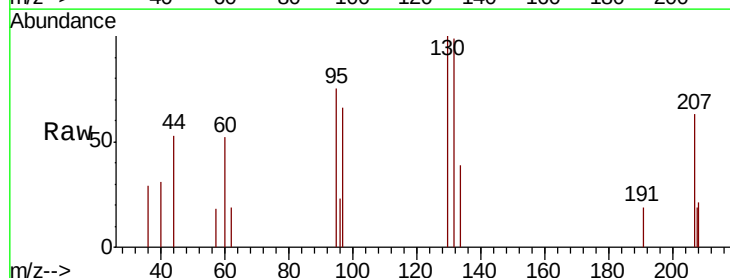
Acq: 12 Oct 2019 3:23

Tgt Ion: 130 Resp: 1639

Ion Ratio Lower Upper

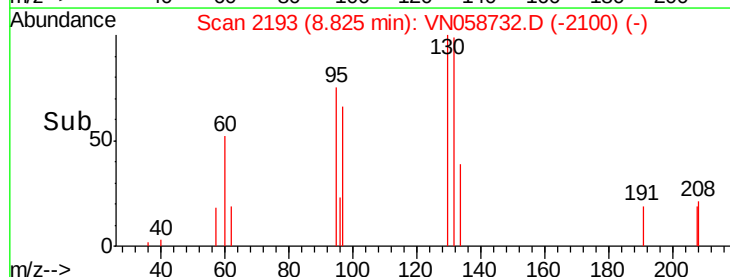
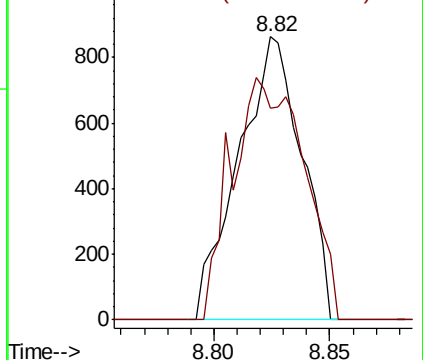
130 100

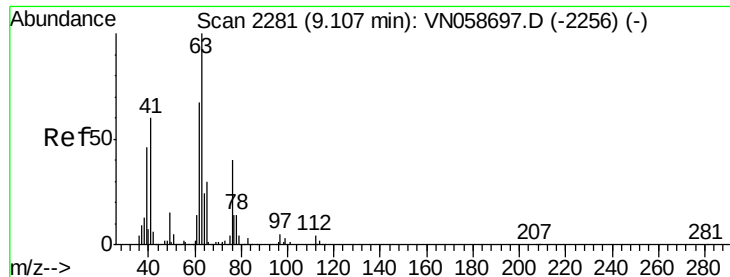
95 74.9 0.0 211.2



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

ClientSampleId :

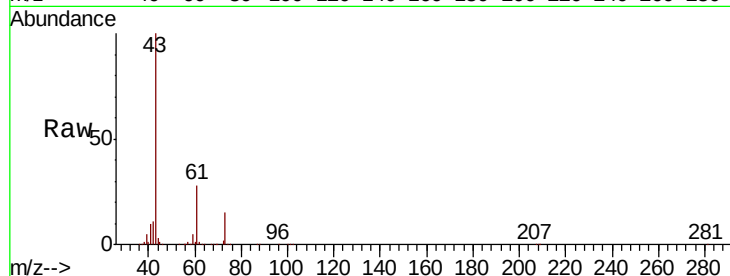
RAW-DISCRETE-CORE-C-3

Tot Ion: 63 Resp: 2220

Ion Ratio Lower Upper

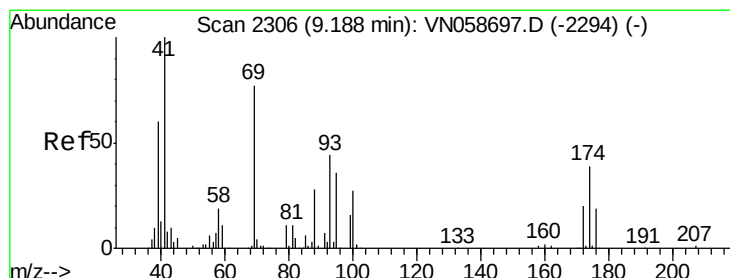
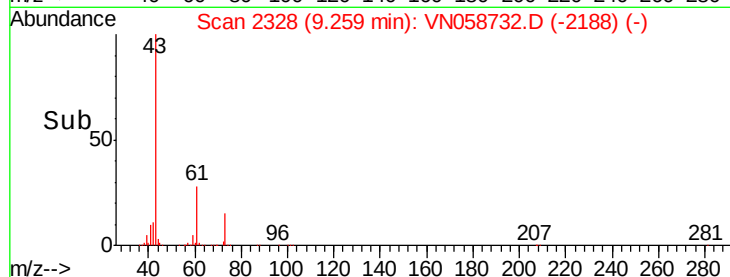
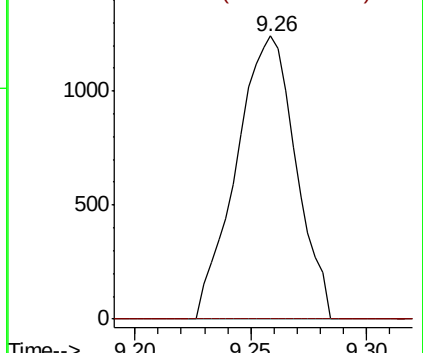
63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#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

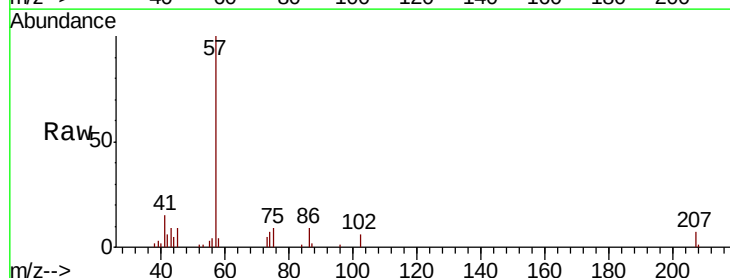
Tgt Ion: 41 Resp: 6389

Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.2#

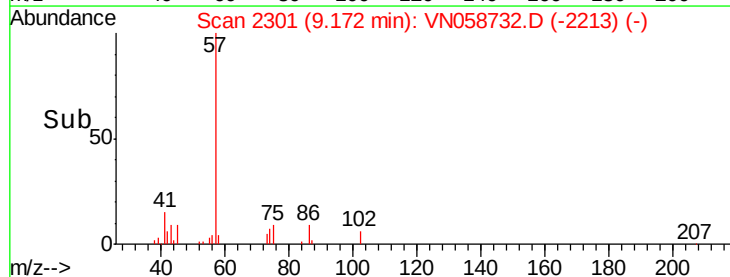
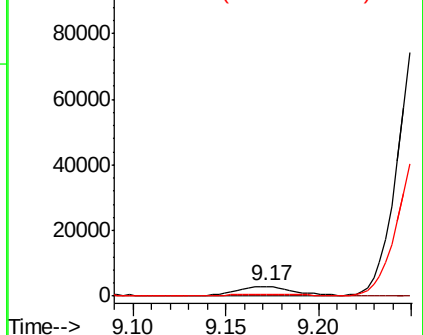
39 0.0 48.9 73.3#

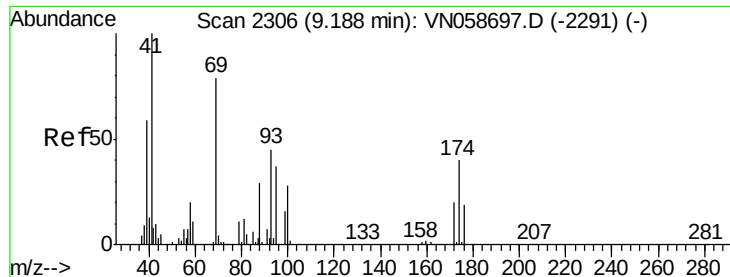


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

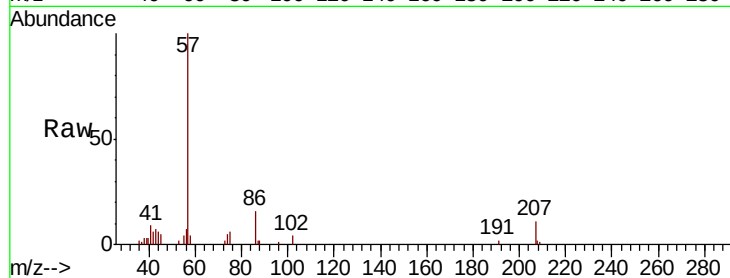




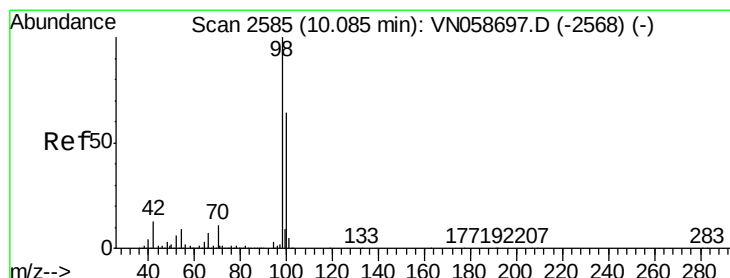
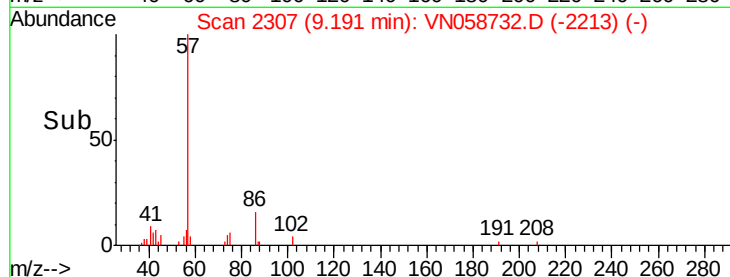
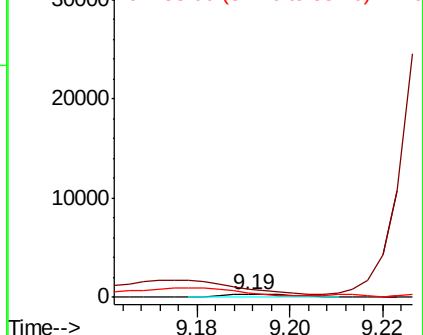
#49
1,4-Dioxane
Concen: 3.909 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-3

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#

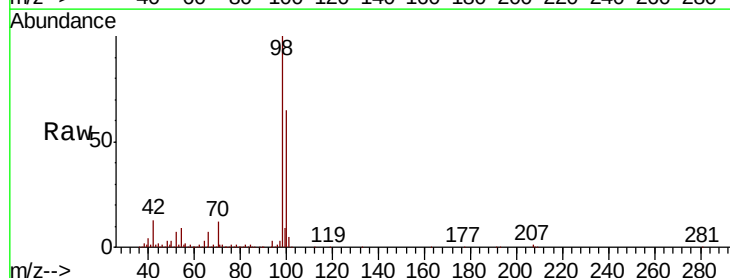


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

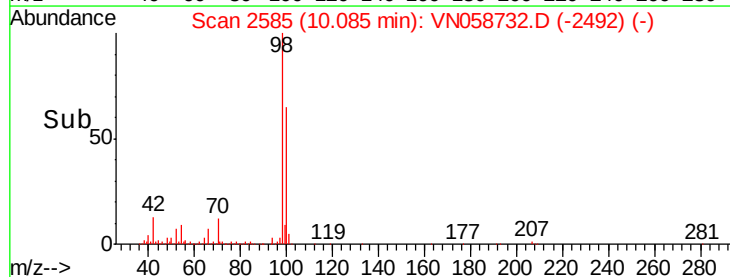
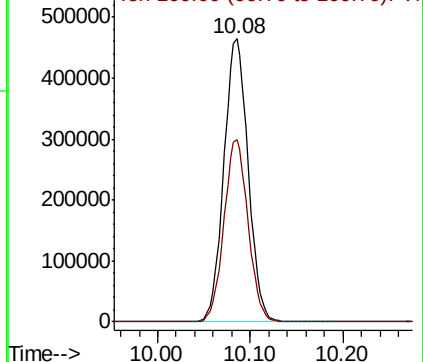


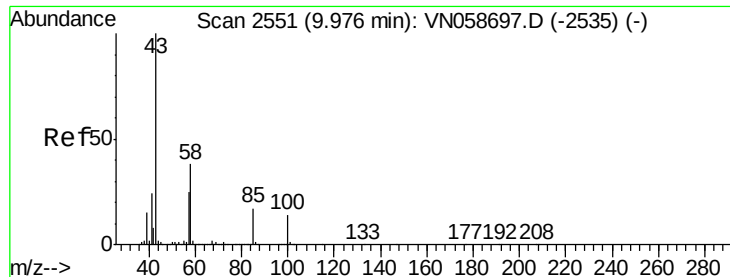
#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

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

ClientSampleId :

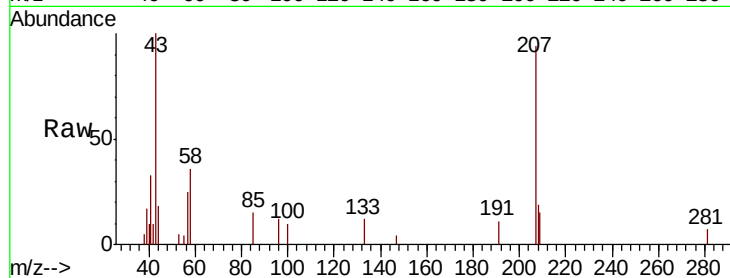
RAW-DISCRETE-CORE-C-3

Tot Ion: 43 Resp: 5598

Ion Ratio Lower Upper

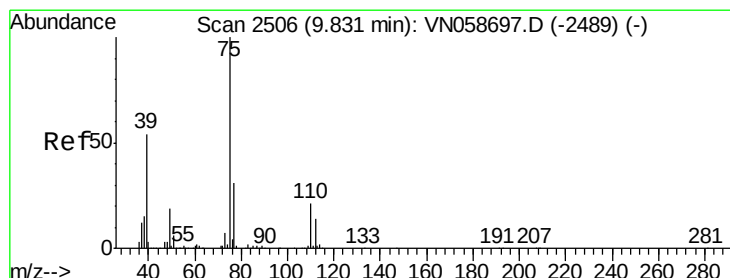
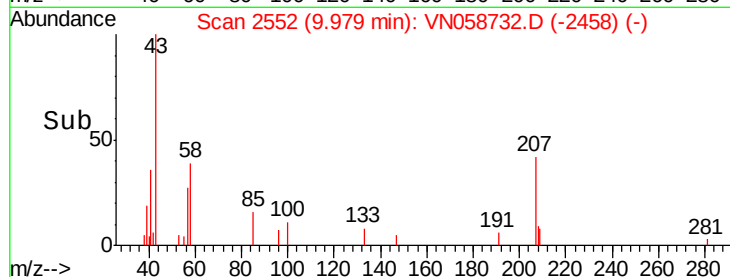
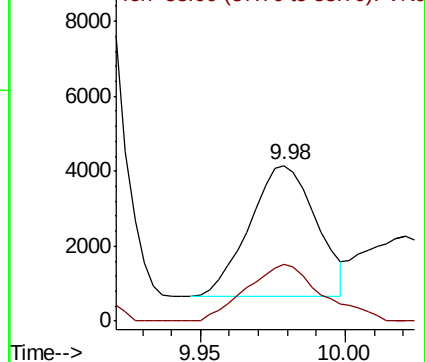
43 100

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

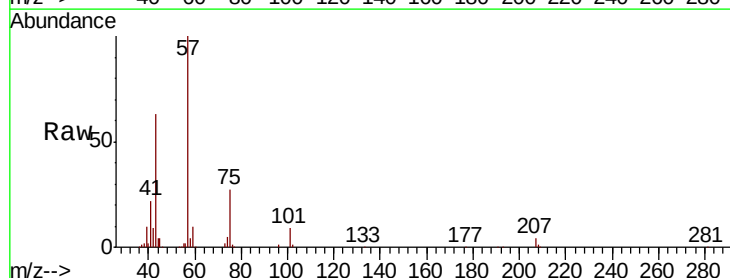
Tgt Ion: 75 Resp: 41297

Ion Ratio Lower Upper

75 100

77 0.8 24.4 36.6#

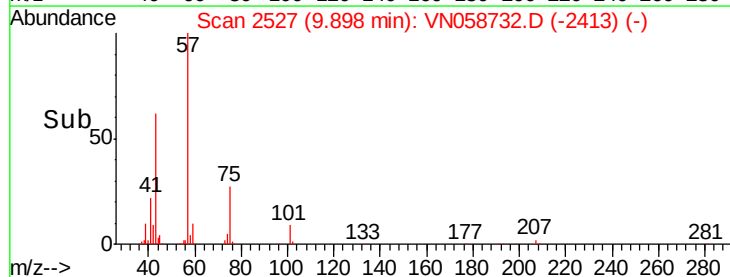
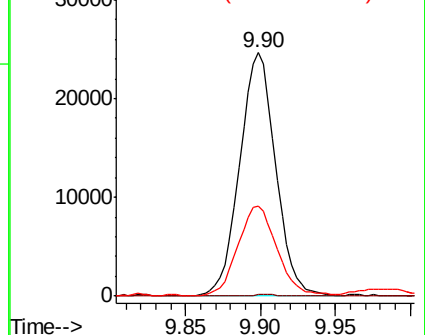
39 37.1 43.1 64.7#

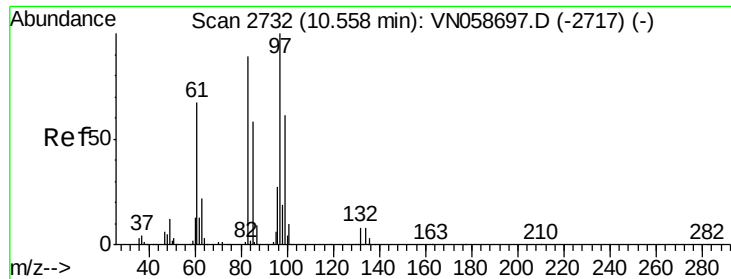


Abundance Ion 74.90 (74.60 to 75.60): VN0

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 :

RAW-DISCRETE-CORE-C-3

Tot Ion: 97 Resp: 1390

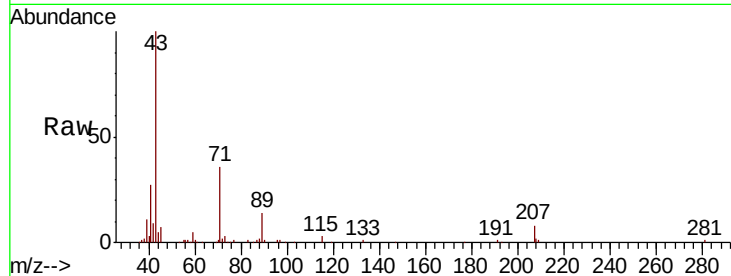
Ion Ratio Lower Upper

97 100

83 62.4 71.2 106.8#

85 30.3 46.7 70.1#

99 32.4 49.0 73.6#

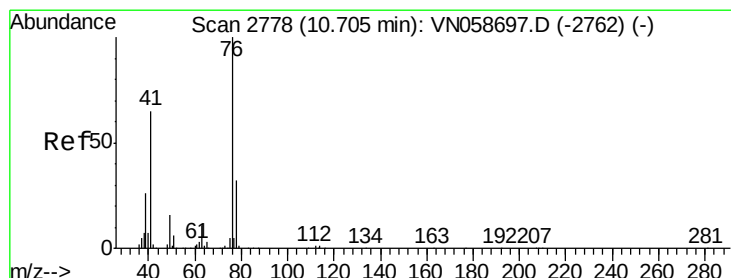
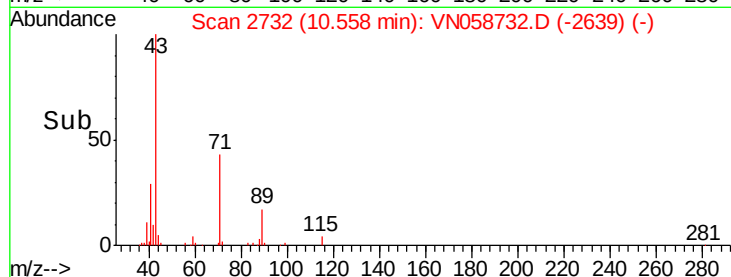
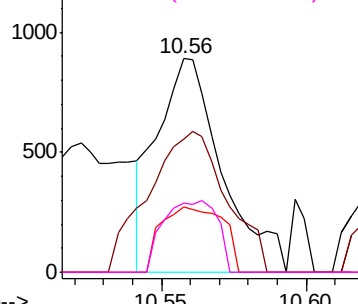


Abundance Ion 96.90 (96.60 to 97.60): VNO

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

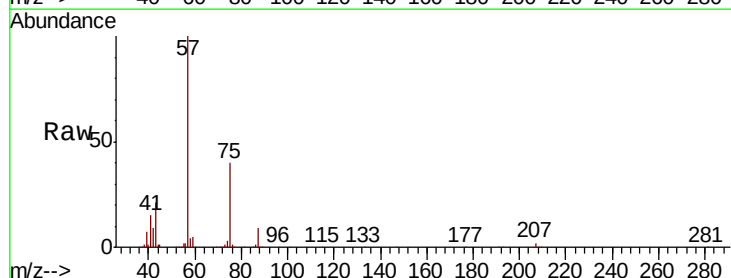
Acq: 12 Oct 2019 3:23

Tgt Ion: 76 Resp: 7639

Ion Ratio Lower Upper

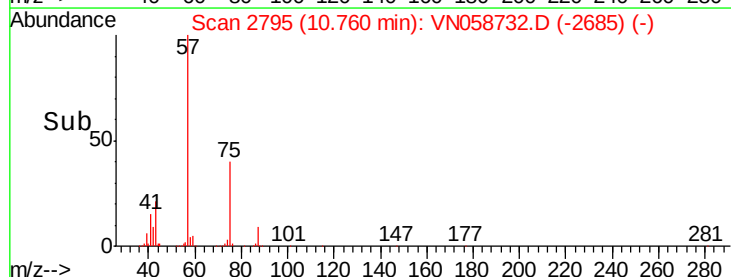
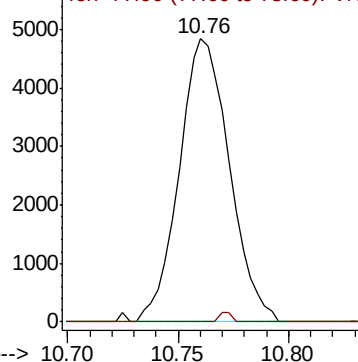
76 100

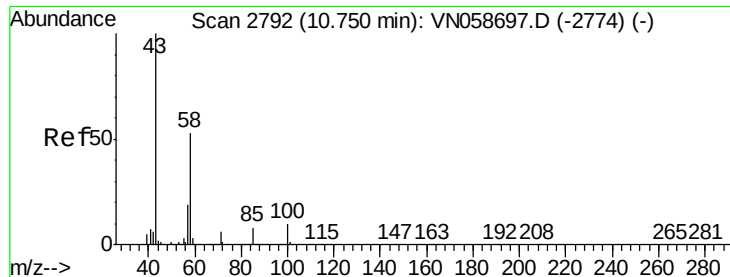
78 0.8 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

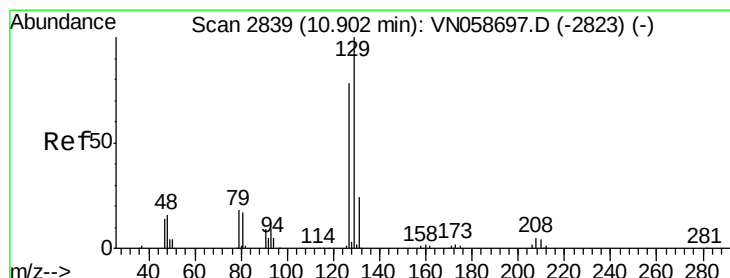
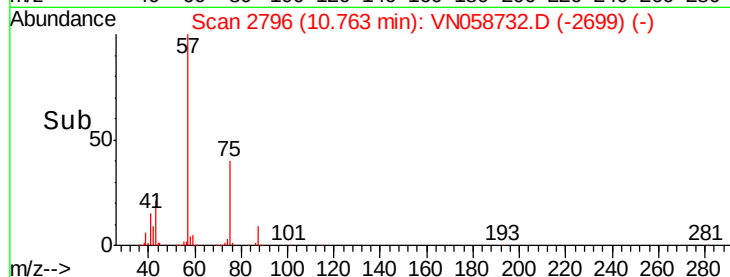
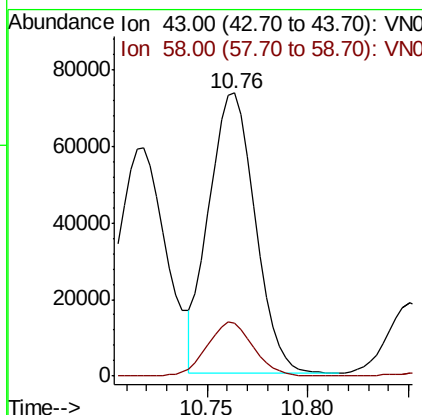
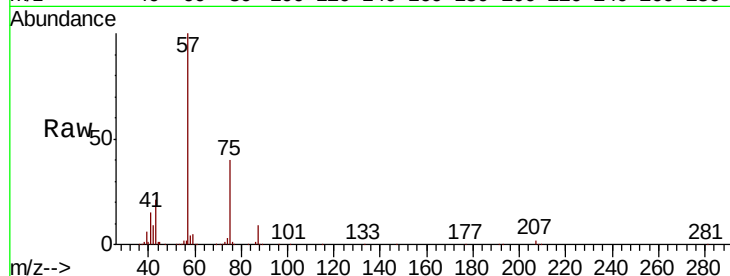




#59
2-Hexanone
Concen: 23.014 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

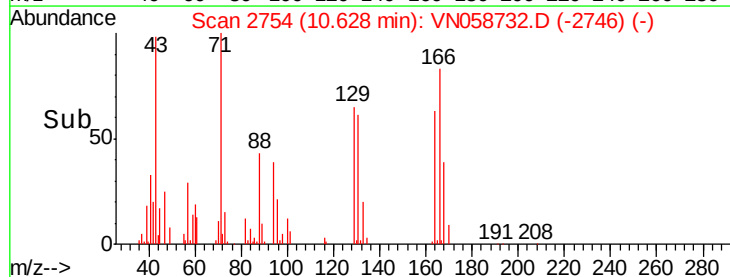
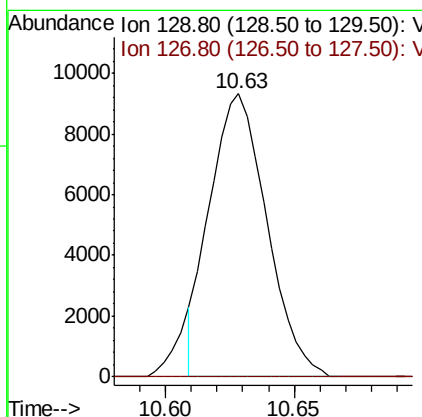
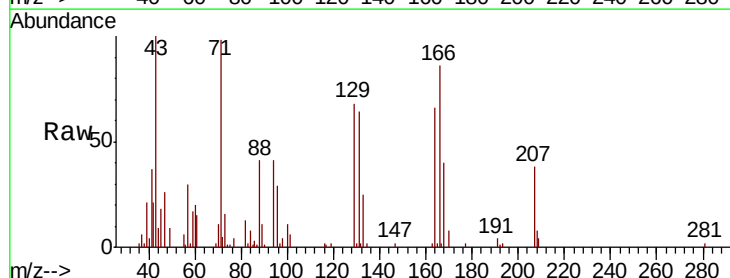
Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-3

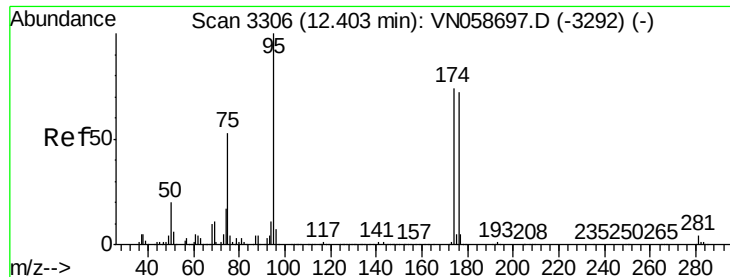
Tot Ion: 43 Resp: 116976
Ion Ratio Lower Upper
43 100
58 19.2 26.1 78.3#



#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 :

RAW-DISCRETE-CORE-C-3

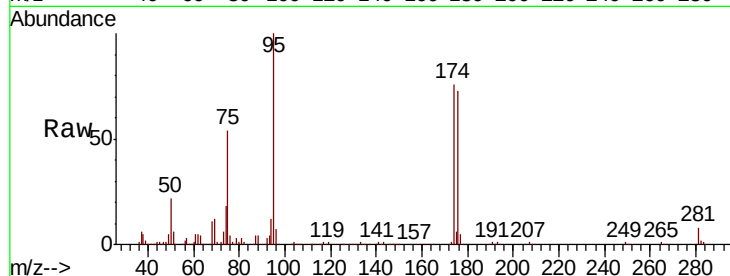
Tot Ion: 95 Resp: 279467

Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.4

176 74.8 0.0 146.8

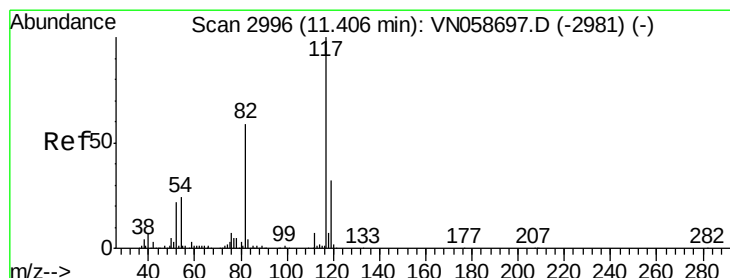
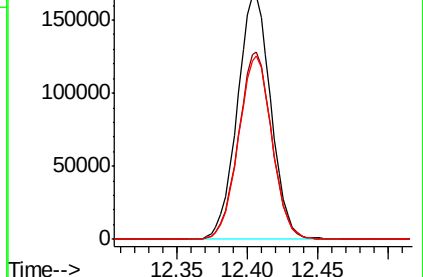
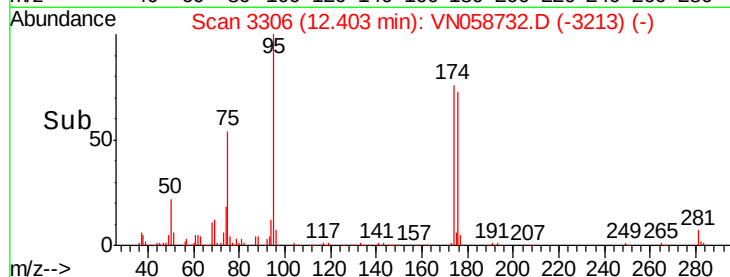


Abundance Ion 94.90 (94.60 to 95.60): VN058732.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058732.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058732.D (-3213) (-)

12.40



#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

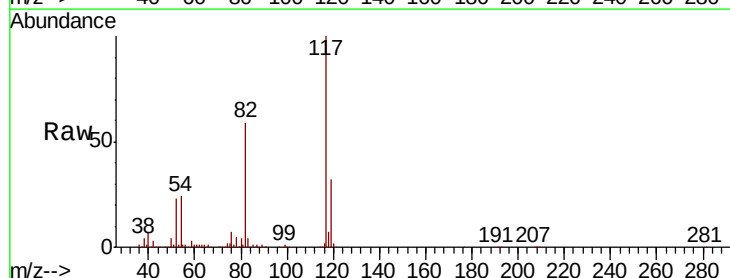
Tgt Ion: 117 Resp: 603198

Ion Ratio Lower Upper

117 100

82 59.1 47.0 70.4

119 31.8 25.4 38.2

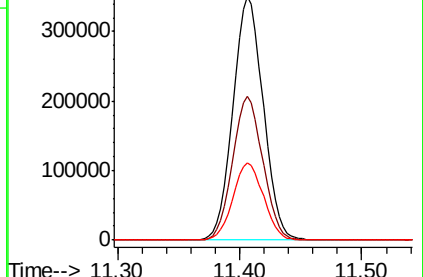
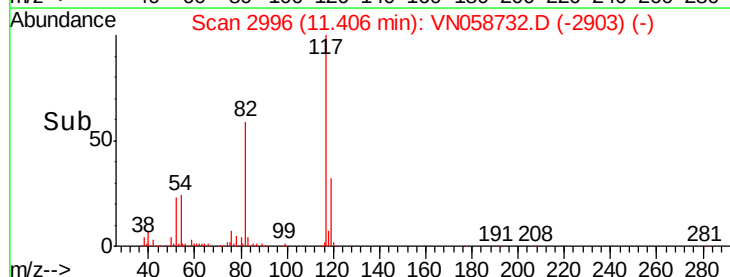


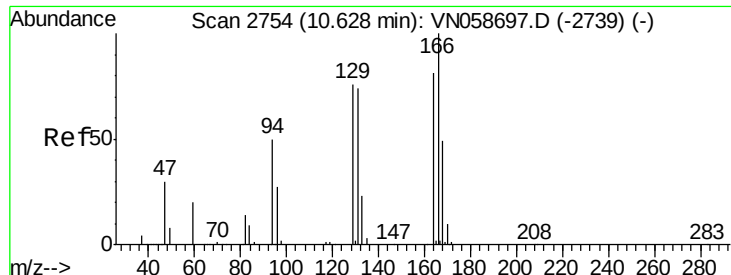
Abundance Ion 116.90 (116.60 to 117.60): VN058732.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058732.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058732.D (-2903) (-)

11.41

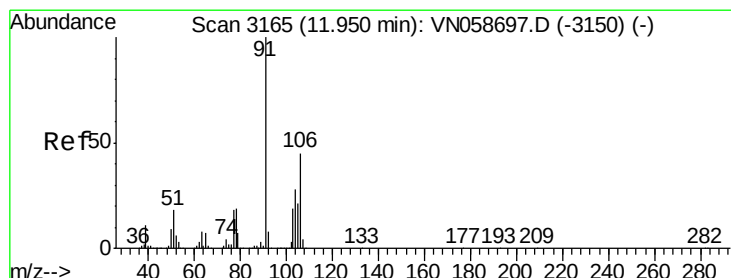
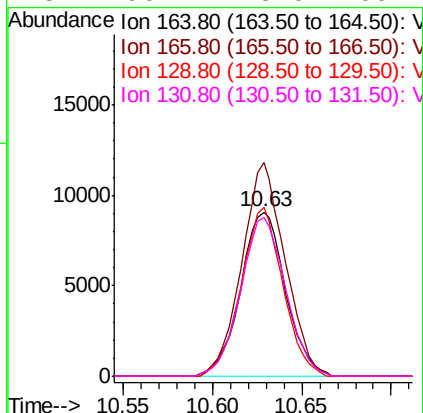
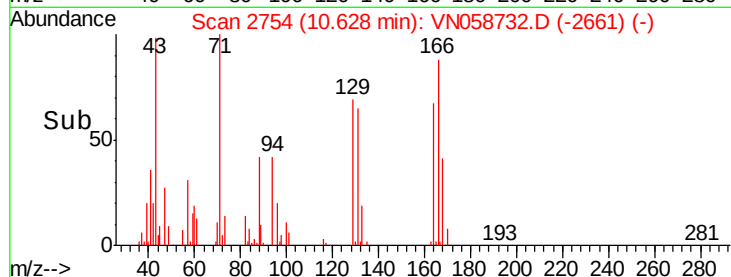
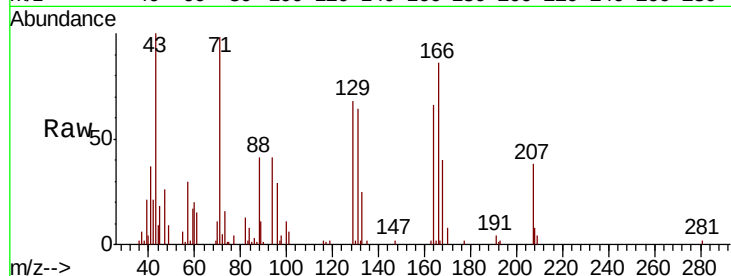




#64
Tetrachloroethene
Concen: 3.783 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058732.D
Acq: 12 Oct 2019 3:23

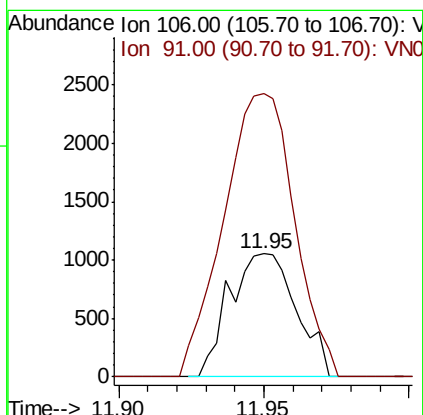
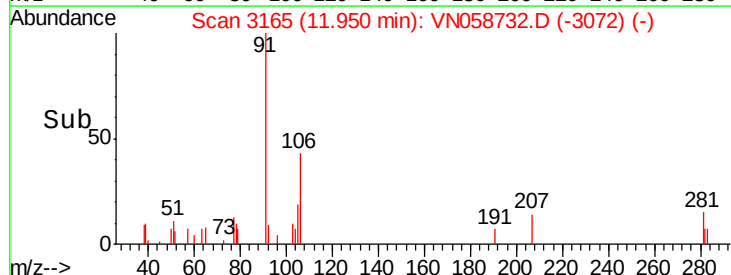
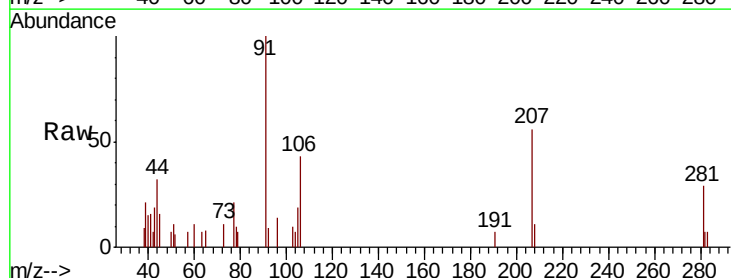
Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-3

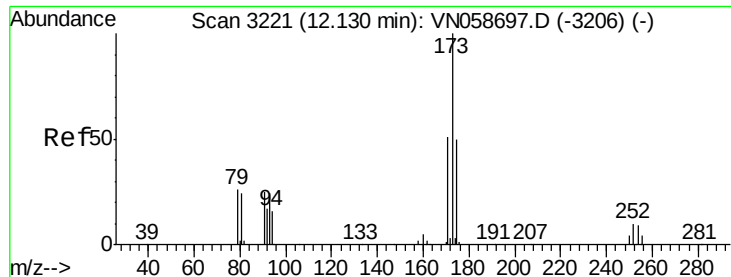
Tot Ion:164 Resp: 15971
Ion Ratio Lower Upper
164 100
166 130.2 99.3 148.9
129 102.8 75.2 112.8
131 96.7 73.0 109.4



#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 :

RAW-DISCRETE-CORE-C-3

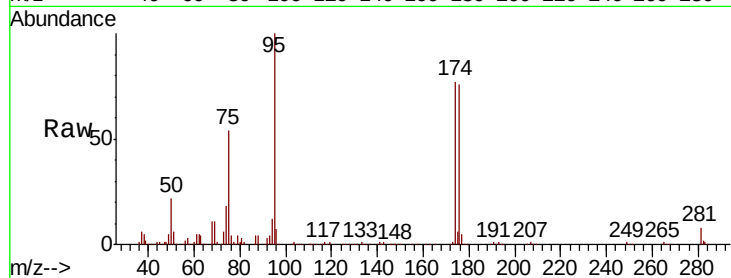
Tot Ion:173 Resp: 790

Ion Ratio Lower Upper

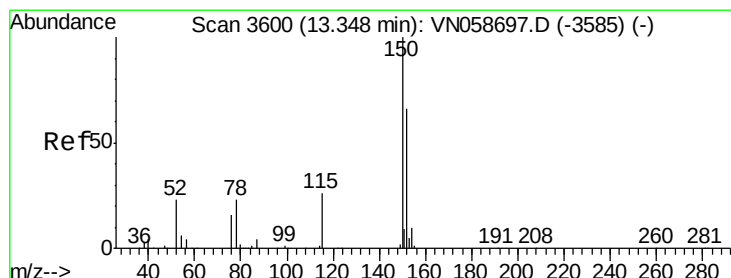
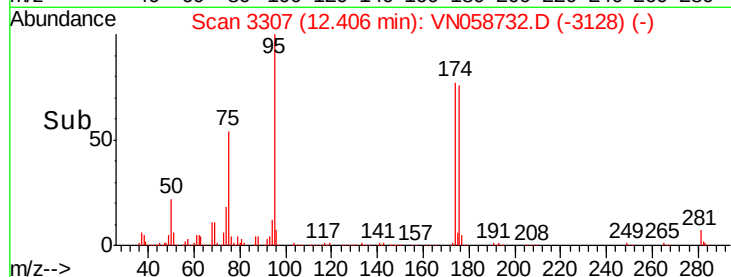
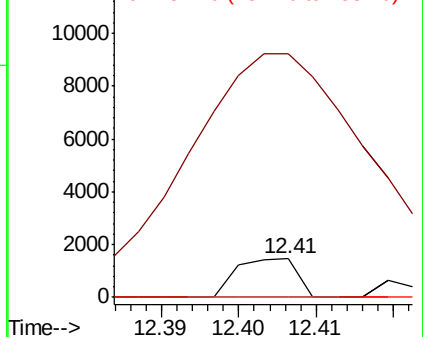
173 100

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

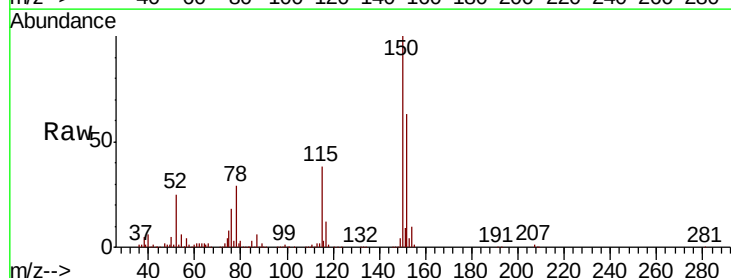
Tgt Ion:152 Resp: 243953

Ion Ratio Lower Upper

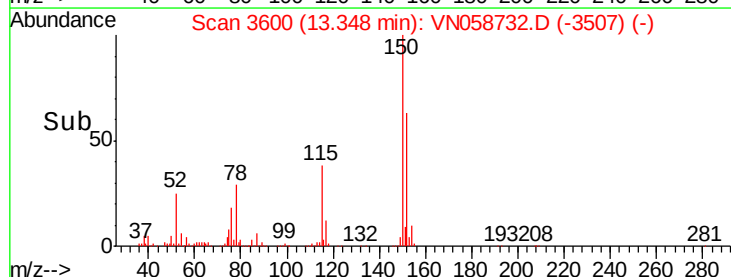
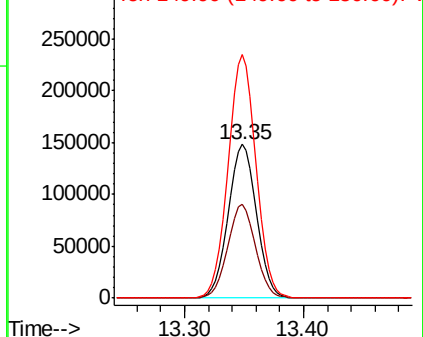
152 100

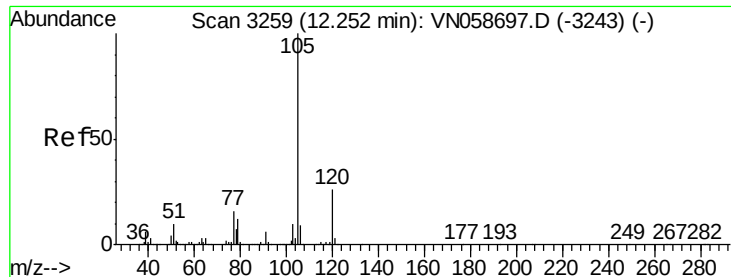
115 60.0 30.4 91.2

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 :

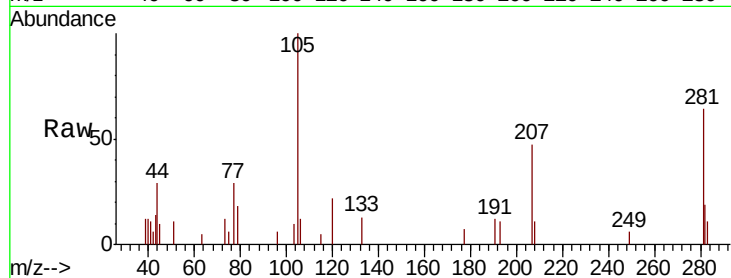
RAW-DISCRETE-CORE-C-3

Tot Ion: 105 Resp: 4696

Ion Ratio Lower Upper

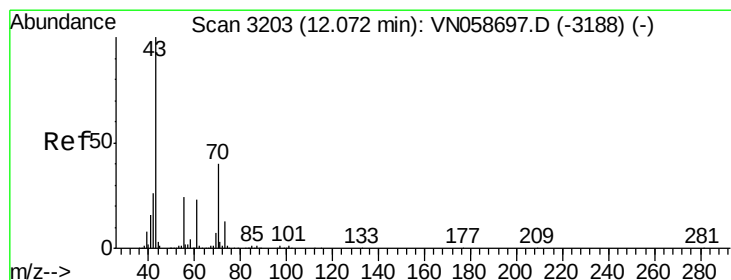
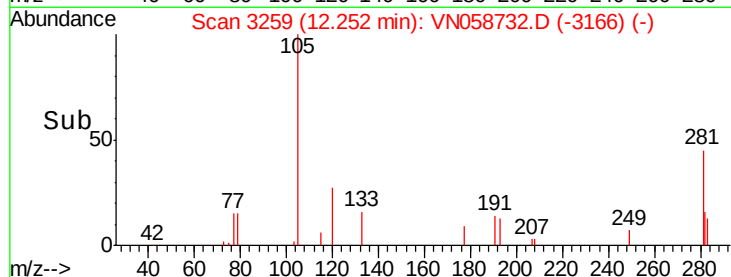
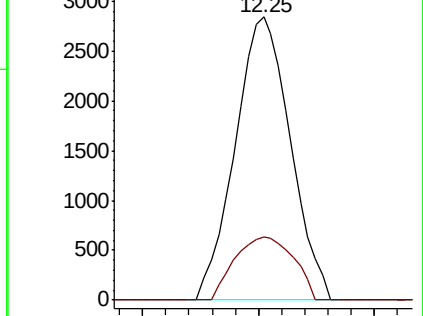
105 100

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

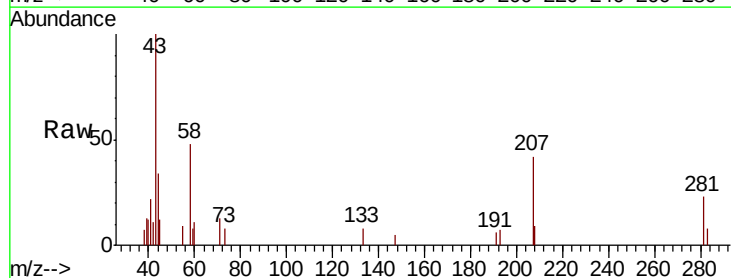
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 7.3 19.6 29.4#

61 0.0 18.6 28.0#

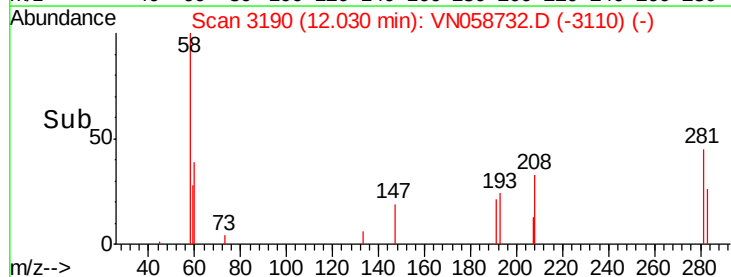
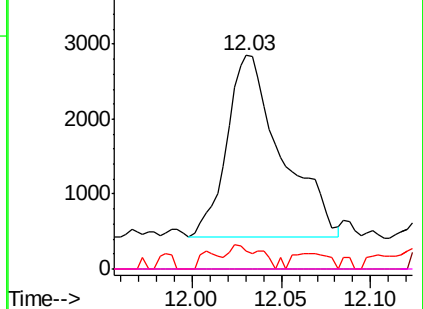


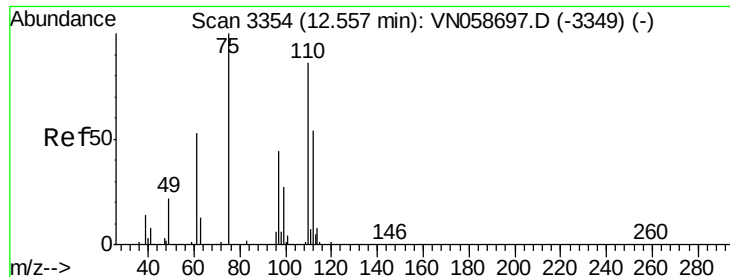
Abundance Ion 43.00 (42.70 to 43.70): V

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: 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

ClientSampleId :

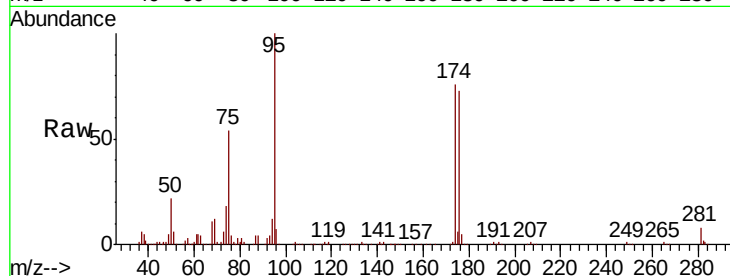
RAW-DISCRETE-CORE-C-3

Tot Ion: 75 Resp: 151740

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058697.D (-3349) (-)

12.40

100000

80000

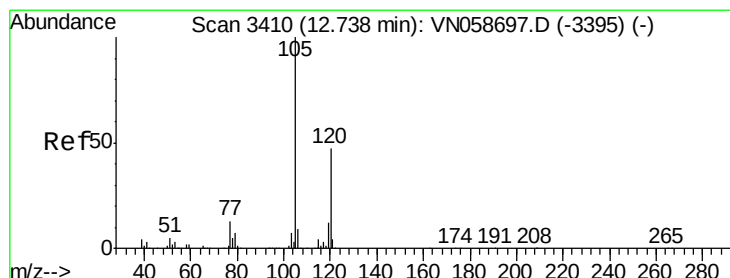
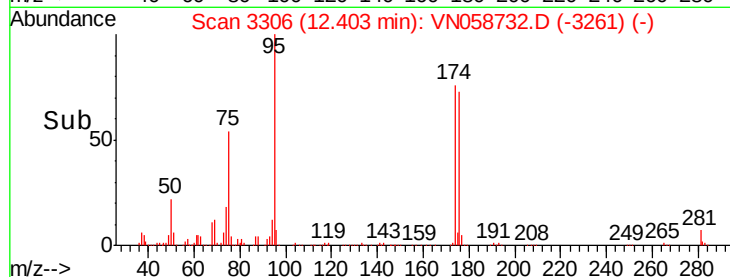
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#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

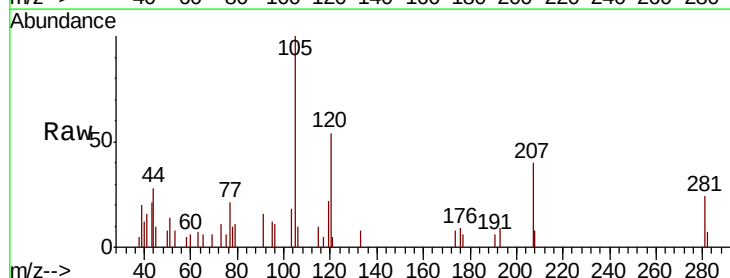
Acq: 12 Oct 2019 3:23

Tgt Ion: 105 Resp: 5618

Ion Ratio Lower Upper

105 100

120 50.6 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

12.74

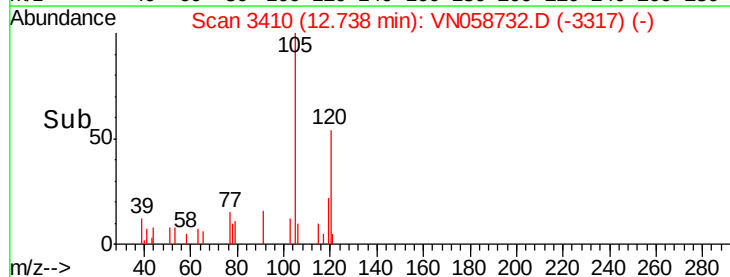
3000

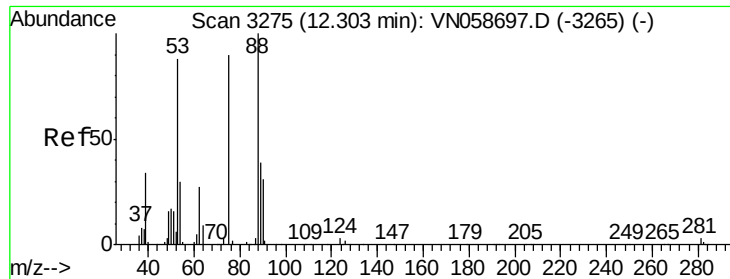
2000

1000

0

Time--> 12.70 12.75





#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

ClientSampleId :

RAW-DISCRETE-CORE-C-3

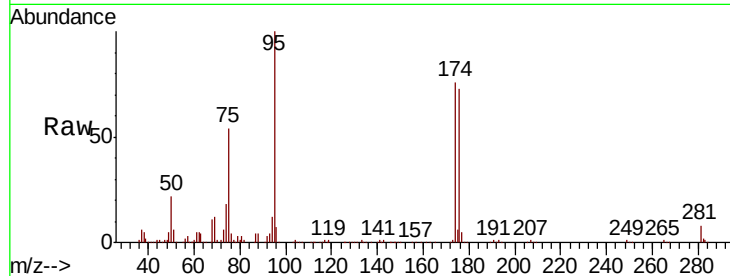
Tot Ion: 75 Resp: 151740

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

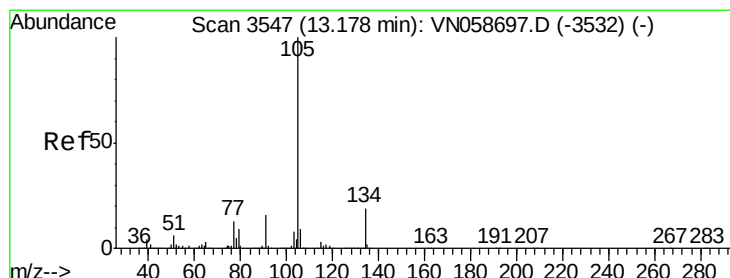
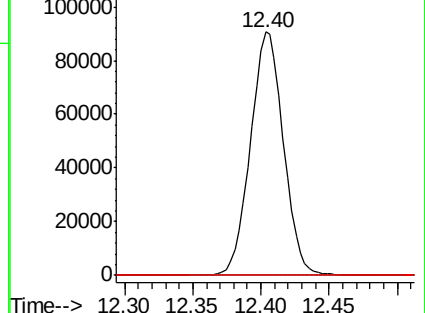
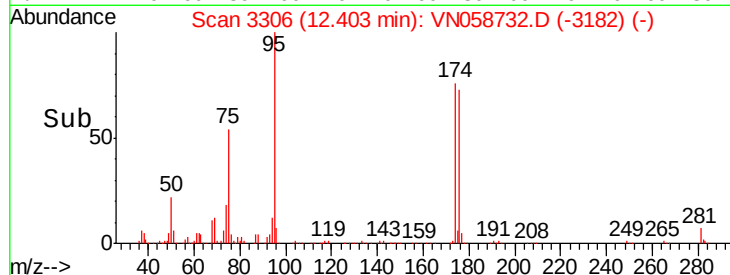
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN058732.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058732.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058732.D (-3182) (-)



#85

sec-Butylbenzene

Concen: 0.231 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058732.D

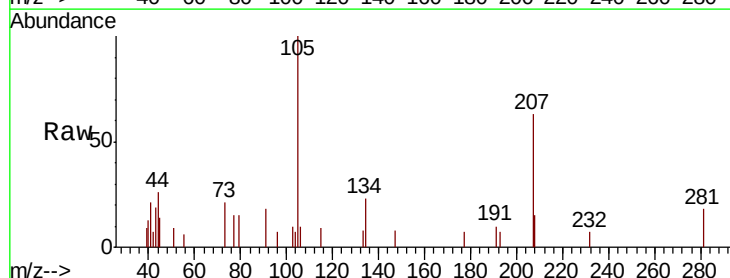
Acq: 12 Oct 2019 3:23

Tgt Ion: 105 Resp: 3929

Ion Ratio Lower Upper

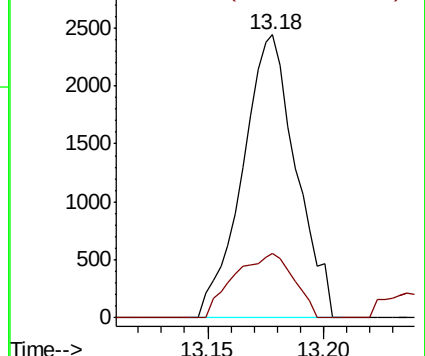
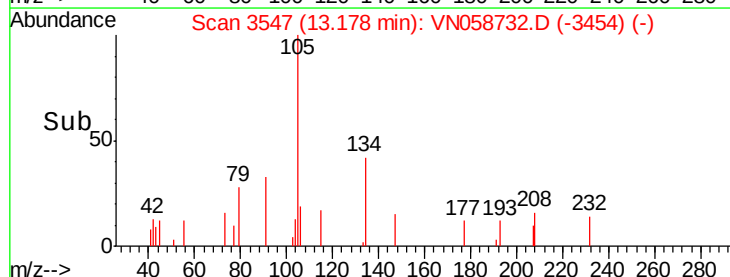
105 100

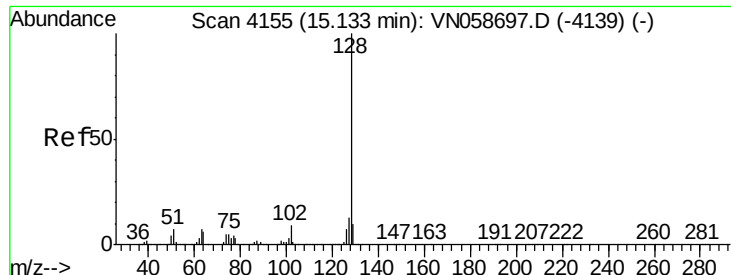
134 25.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): VN058732.D (-3454) (-)

Ion 134.00 (133.70 to 134.70): VN058732.D (-3454) (-)





#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 :
RAW-DISCRETE-CORE-C-3

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

