

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057438.D
 Acq On : 22 Aug 2019 17:26
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 04:24:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	390930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	704959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	579346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152871	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	34301	7.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	14.28%	
35) Dibromofluoromethane	7.58	113	25614	5.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.00%	
50) Toluene-d8	10.08	98	81951	4.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.52%	
62) 4-Bromofluorobenzene	12.40	95	28282	4.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	20055	5.571	ug/l	89
3) Chloromethane	2.05	50	32491	7.428	ug/l	100
4) Vinyl Chloride	2.17	62	39470	8.913	ug/l	94
5) Bromomethane	2.54	94	28528	9.359	ug/l	97
6) Chloroethane	2.68	64	27079	9.158	ug/l	95
7) Trichlorofluoromethane	3.00	101	64540	9.430	ug/l	94
8) Diethyl Ether	3.39	74	25766	10.080	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	36392	9.305	ug/l	95
10) Methyl Iodide	3.92	142	24594	4.546	ug/l	97
11) Tert butyl alcohol	4.79	59	22677	35.146	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	37549	9.640	ug/l	95
13) Acrolein	3.58	56	20996	47.229	ug/l	99
14) Allyl chloride	4.29	41	48749	8.061	ug/l	98
15) Acrylonitrile	4.97	53	60584	34.837	ug/l	96
16) Acetone	3.79	43	76717	48.611	ug/l #	88
17) Carbon Disulfide	4.02	76	64903	6.706	ug/l	98
18) Methyl Acetate	4.30	43	37369	5.843	ug/l #	81
19) Methyl tert-butyl Ether	5.03	73	82597	7.200	ug/l	96
20) Methylene Chloride	4.52	84	26246	6.184	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	24479	6.428	ug/l	95
22) Diisopropyl ether	5.94	45	97297	8.048	ug/l	92
23) Vinyl Acetate	5.87	43	403883	41.961	ug/l	99
24) 1,1-Dichloroethane	5.82	63	53754	7.512	ug/l	95
25) 2-Butanone	6.83	43	92972	40.116	ug/l	96
26) 2,2-Dichloropropane	6.80	77	45387	7.784	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	30400	6.721	ug/l	95
28) Bromochloromethane	7.18	49	25920	7.609	ug/l	94
29) Tetrahydrofuran	7.20	42	58980	39.712	ug/l	98
30) Chloroform	7.35	83	51278	6.923	ug/l	93
31) Cyclohexane	7.63	56	57583	8.824	ug/l #	89
32) 1,1,1-Trichloroethane	7.55	97	43290	6.948	ug/l	97
36) 1,1-Dichloropropene	7.78	75	37690	5.940	ug/l	99
37) Ethyl Acetate	6.92	43	37643	7.051	ug/l #	94
38) Carbon Tetrachloride	7.75	117	35756	5.476	ug/l	96

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 23 04:24:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	43523	5.845	ug/l	99
40) Benzene	8.03	78	112942	5.853	ug/l	99
41) Methacrylonitrile	7.16	41	16713	6.860	ug/l	97
42) 1,2-Dichloroethane	8.11	62	43151	6.586	ug/l	98
43) Isopropyl Acetate	8.16	43	67509	5.881	ug/l	99
44) Trichloroethene	8.83	130	24991	4.747	ug/l	98
45) 1,2-Dichloropropane	9.11	63	33009	6.549	ug/l	98
46) Dibromomethane	9.20	93	20099	6.039	ug/l	99
47) Bromodichloromethane	9.40	83	41554	6.252	ug/l	90
48) Methyl methacrylate	9.19	41	31606	7.066	ug/l	97
49) 1,4-Dioxane	9.20	88	8885	103.783	ug/l #	78
51) 4-Methyl-2-Pentanone	9.98	43	190142	34.320	ug/l	99
52) Toluene	10.15	92	62473	5.260	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	42162	5.891	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	48203	6.123	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	26136	5.600	ug/l	95
56) Ethyl methacrylate	10.43	69	41491	6.000	ug/l	99
57) 1,3-Dichloropropane	10.71	76	44779	5.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	37132	20.926	ug/l	95
59) 2-Hexanone	10.75	43	124834	31.718	ug/l	97
60) Dibromochloromethane	10.90	129	27466	5.302	ug/l	92
61) 1,2-Dibromoethane	11.00	107	24691	4.998	ug/l	92
64) Tetrachloroethene	10.63	164	22118	4.557	ug/l	98
65) Chlorobenzene	11.43	112	61625	5.257	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	22889	5.107	ug/l	95
67) Ethyl Benzene	11.51	91	116823	5.579	ug/l	100
68) m/p-Xylenes	11.62	106	77958	10.231	ug/l	95
69) o-Xylene	11.95	106	39534	5.278	ug/l	100
70) Styrene	11.96	104	58894	4.931	ug/l	98
71) Bromoform	12.13	173	15424	4.463	ug/l #	92
73) Isopropylbenzene	12.25	105	105128	7.012	ug/l	98
74) N-amyl acetate	12.07	43	50628	10.469	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	30475	6.952	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	39378	10.475	ug/l #	100
77) Bromobenzene	12.53	156	19655	5.197	ug/l	88
78) n-propylbenzene	12.59	91	104446	6.917	ug/l	98
79) 2-Chlorotoluene	12.68	91	64734	6.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	78634	6.521	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	9802	7.635	ug/l	98
82) 4-Chlorotoluene	12.78	91	57484	6.452	ug/l	98
83) tert-Butylbenzene	12.99	119	76017	6.852	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	70095	6.260	ug/l	97
85) sec-Butylbenzene	13.17	105	86562	6.453	ug/l	98
86) p-Isopropyltoluene	13.29	119	70874	6.224	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	25374	4.814	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	24466	4.853	ug/l	88
89) n-Butylbenzene	13.62	91	57112	6.819	ug/l	98
90) Hexachloroethane	13.88	117	17114	7.198	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	23782	4.825	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4118	7.132	ug/l	90

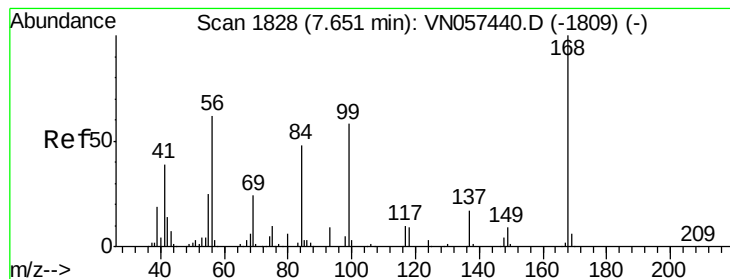
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
Data File : VN057438.D
Acq On : 22 Aug 2019 17:26
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 23 04:24:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 23 04:20:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	6821	4.148	ug/l	96
94) Hexachlorobutadiene	15.01	225	8932	4.106	ug/l	99
95) Naphthalene	15.13	128	24187	6.314	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	6675	4.223	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

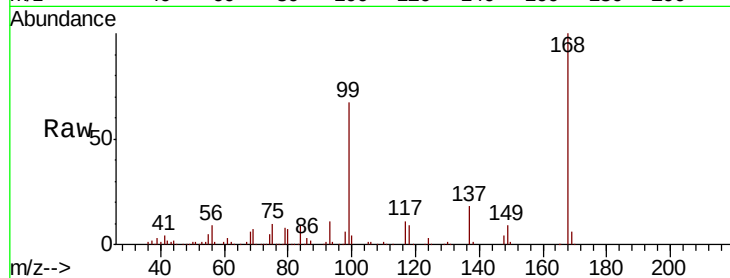
VSTDIC005

Tgt Ion:168 Resp: 390930

Ion Ratio Lower Upper

168 100

99 66.9 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

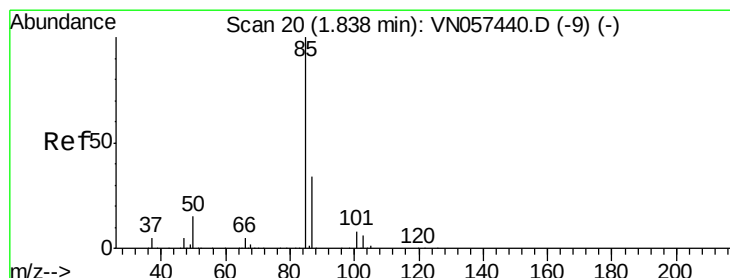
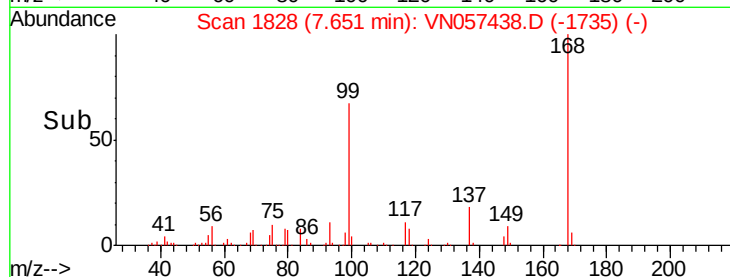
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.571 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057438.D

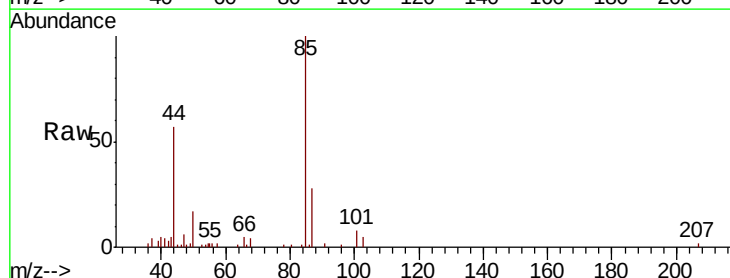
Acq: 22 Aug 2019 17:26

Tgt Ion: 85 Resp: 20055

Ion Ratio Lower Upper

85 100

87 28.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

15000

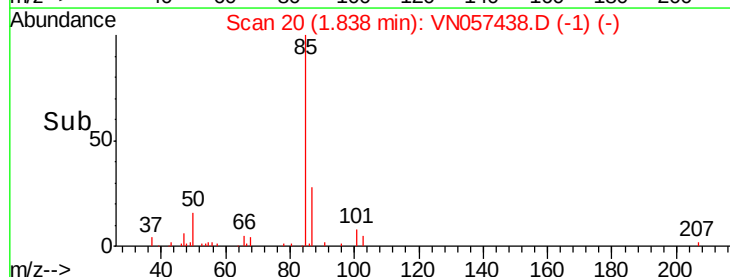
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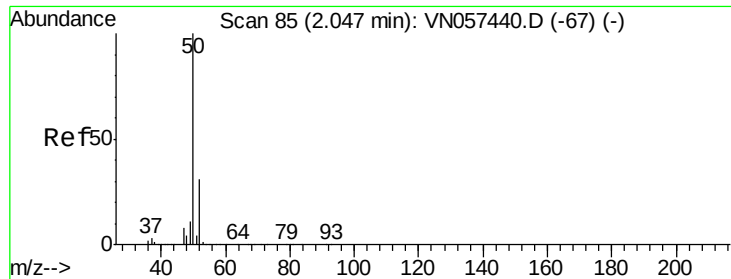
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 7.428 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

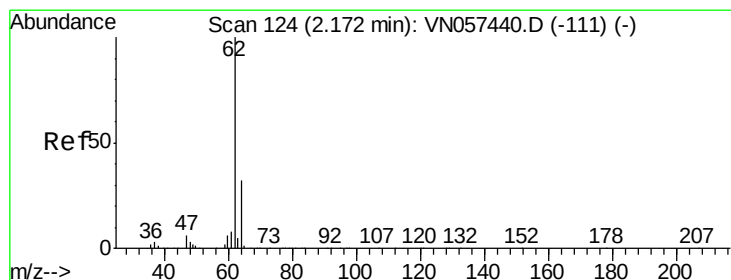
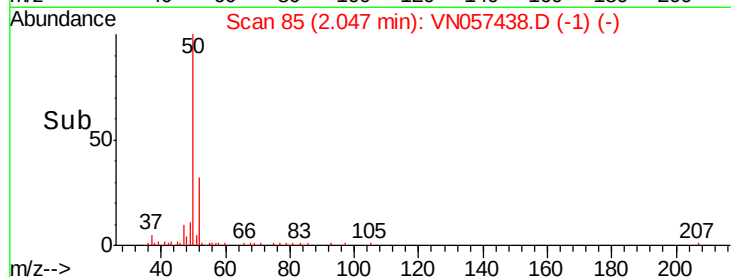
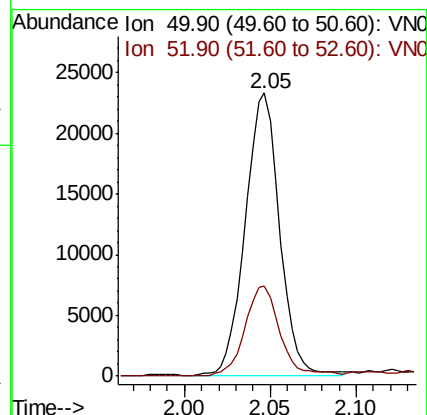
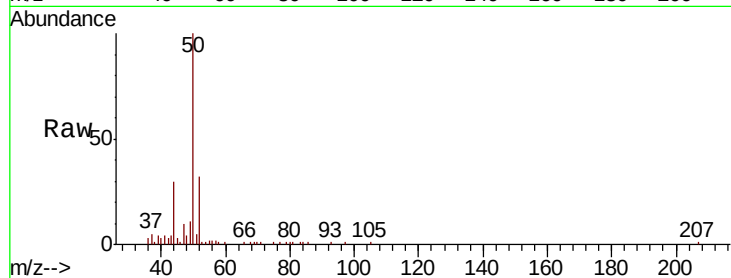
VSTDIC005

Tgt Ion: 50 Resp: 32491

Ion Ratio Lower Upper

50 100

52 31.6 25.1 37.7



#4

Vinyl Chloride

Concen: 8.913 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057438.D

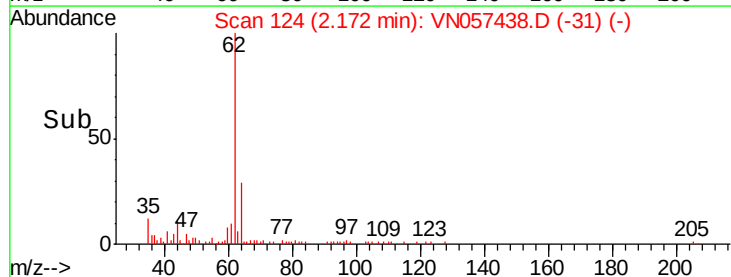
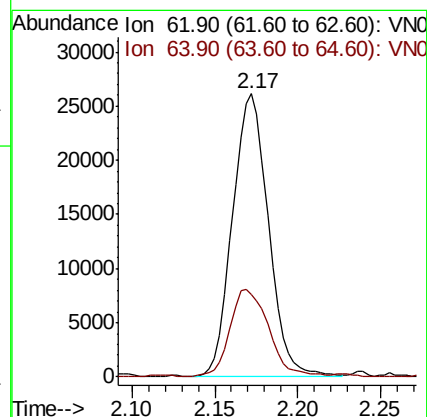
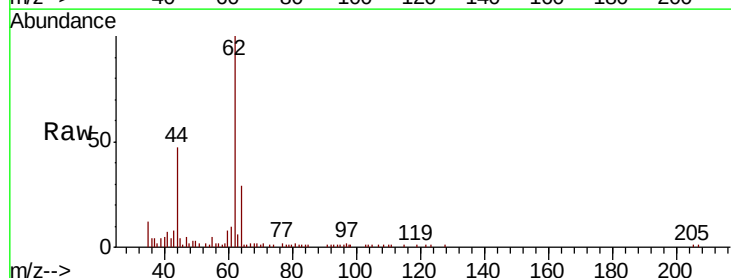
Acq: 22 Aug 2019 17:26

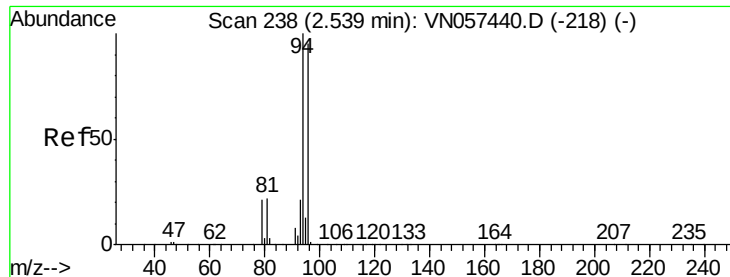
Tgt Ion: 62 Resp: 39470

Ion Ratio Lower Upper

62 100

64 29.1 25.8 38.8





#5

Bromomethane

Concen: 9.359 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

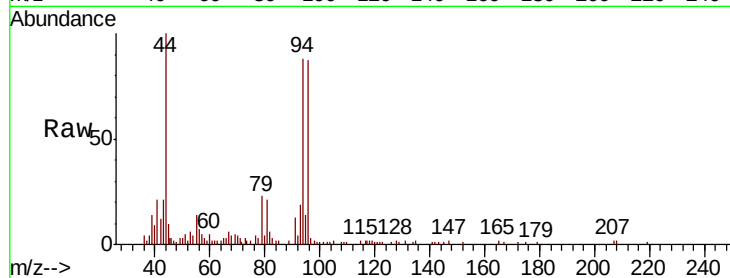
VSTDIC005

Tgt Ion: 94 Resp: 28528

Ion Ratio Lower Upper

94 100

96 98.2 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

15000

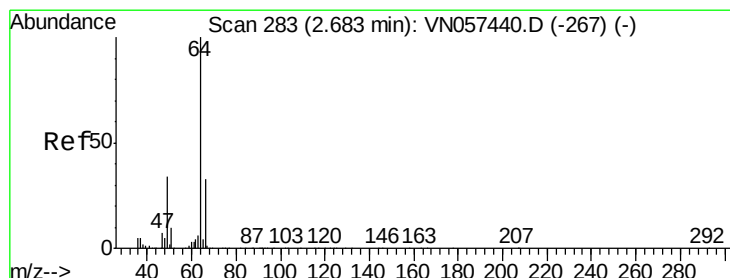
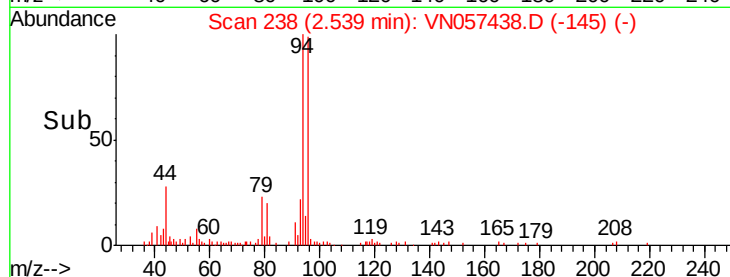
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5000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 9.158 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057438.D

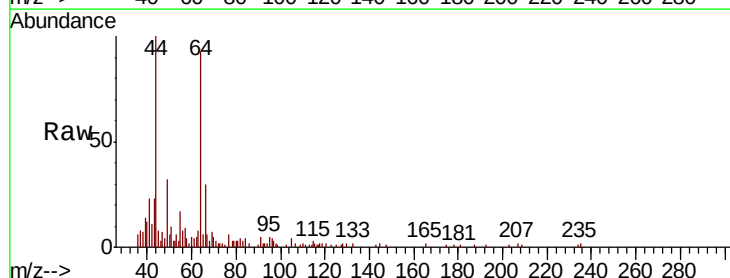
Acq: 22 Aug 2019 17:26

Tgt Ion: 64 Resp: 27079

Ion Ratio Lower Upper

64 100

66 30.9 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

15000

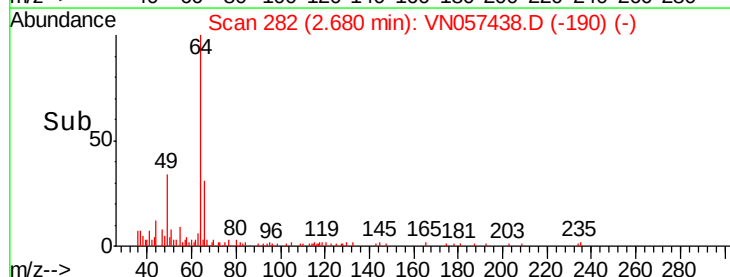
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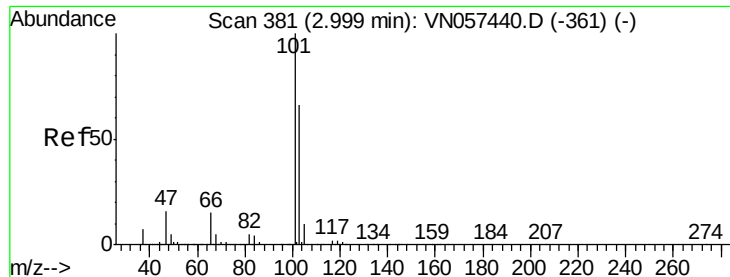
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0

Time-->

2.60 2.65 2.70 2.75



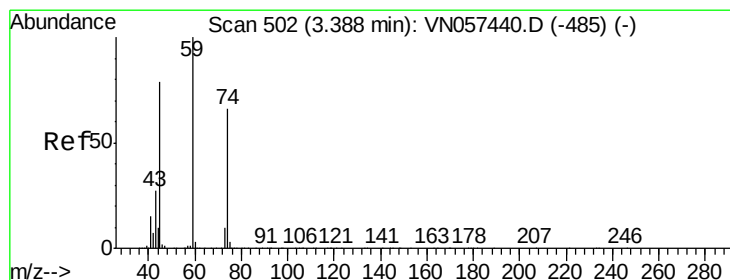
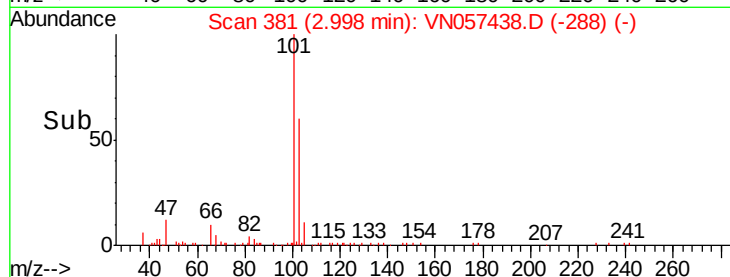
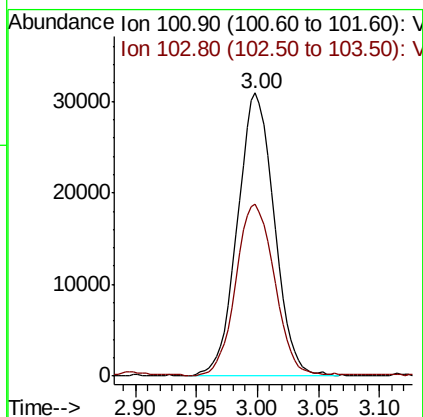
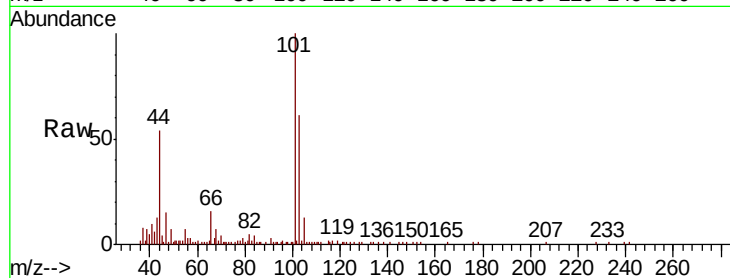


#7

Trichlorofluoromethane
Concen: 9.430 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

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MSVOA_N
ClientSampleId :
VSTDIC005

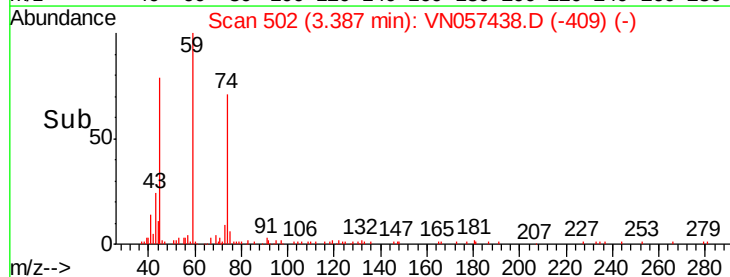
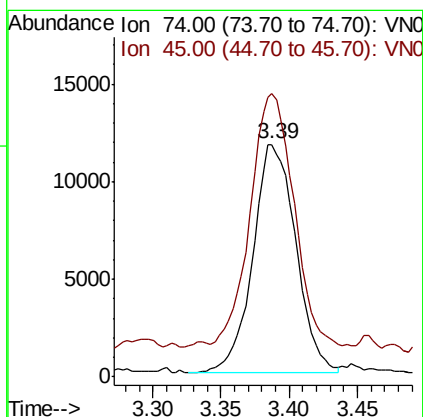
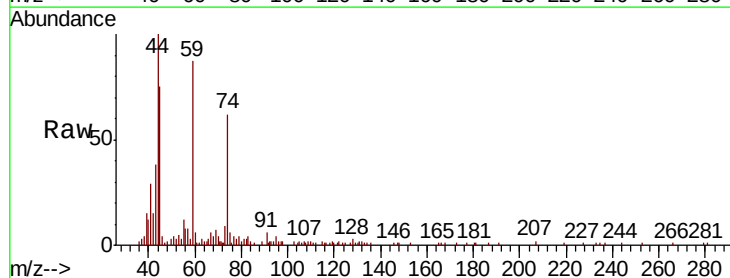
Tgt Ion:101 Resp: 64540
Ion Ratio Lower Upper
101 100
103 60.6 52.6 78.8

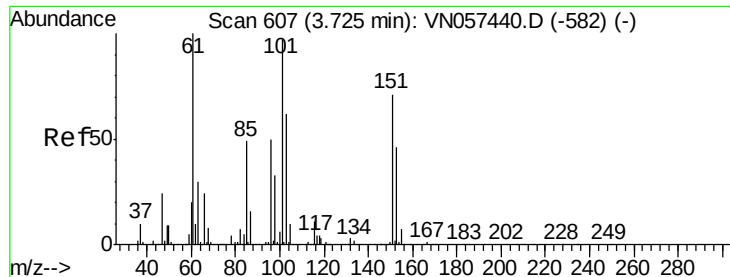


#8

Diethyl Ether
Concen: 10.080 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 74 Resp: 25766
Ion Ratio Lower Upper
74 100
45 111.2 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.305 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

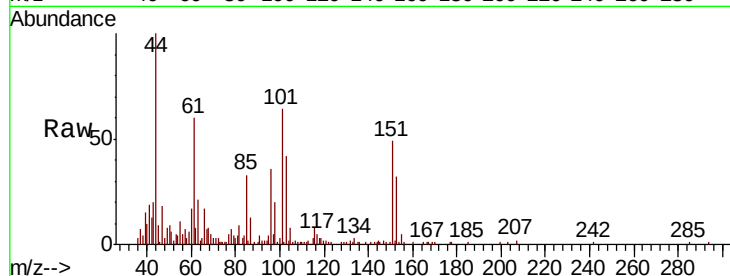
Tgt Ion:101 Resp: 36392

Ion Ratio Lower Upper

101 100

85 56.5 40.0 60.0

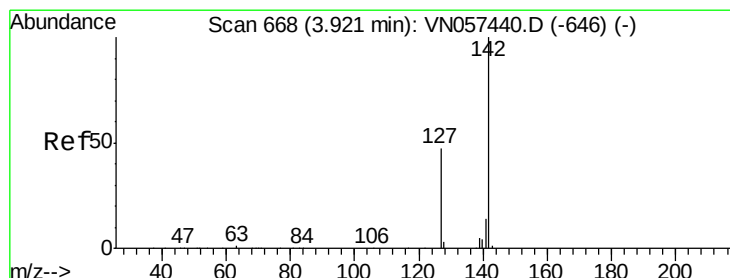
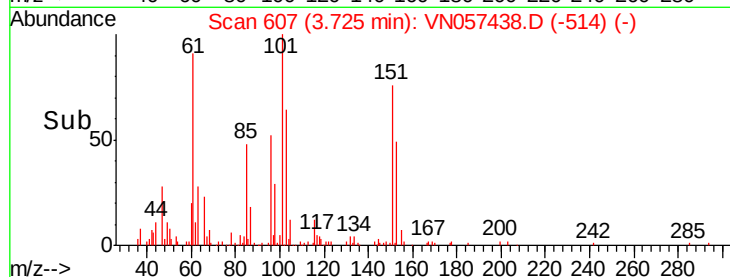
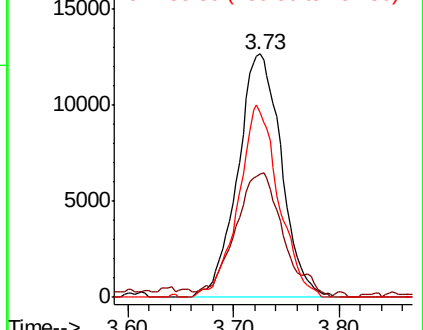
151 72.9 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.546 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.00 min

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Acq: 22 Aug 2019 17:26

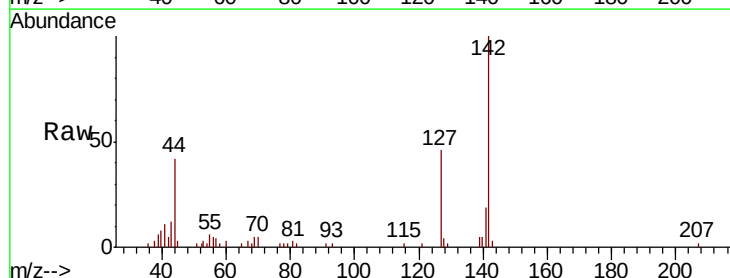
Tgt Ion:142 Resp: 24594

Ion Ratio Lower Upper

142 100

127 49.2 37.8 56.8

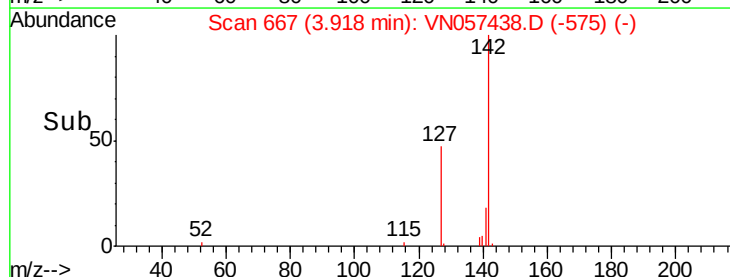
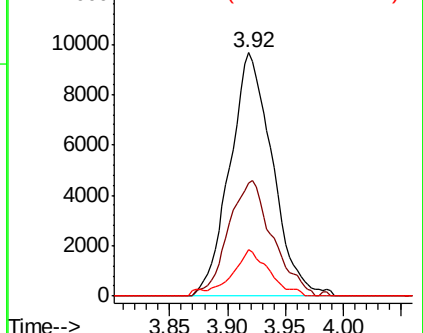
141 16.3 11.9 17.9

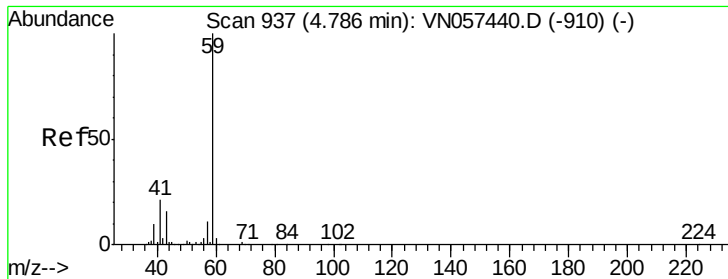


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

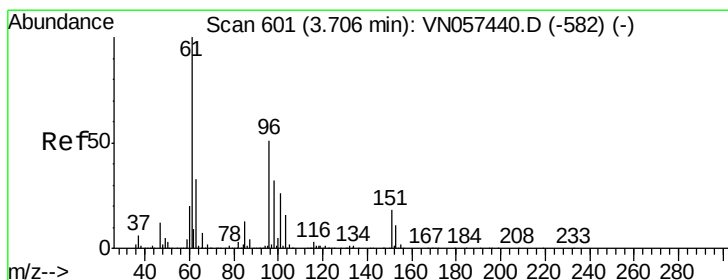
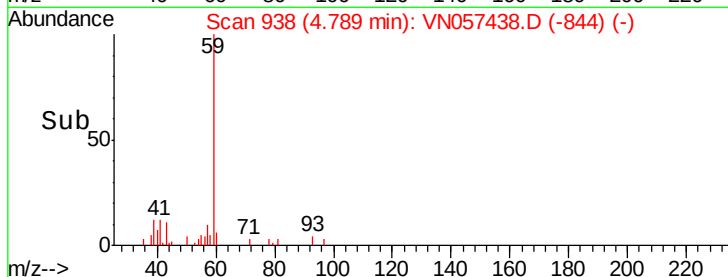
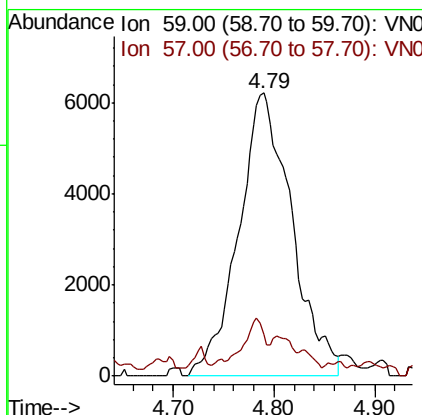
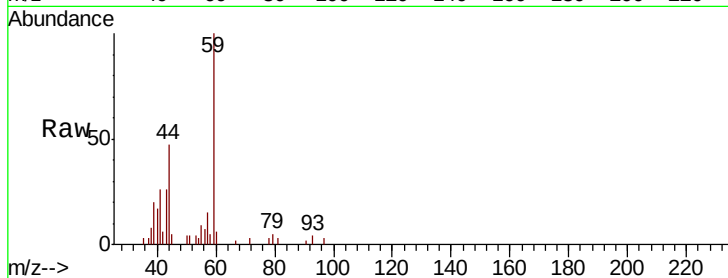




#11
Tert butyl alcohol
Concen: 35.146 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

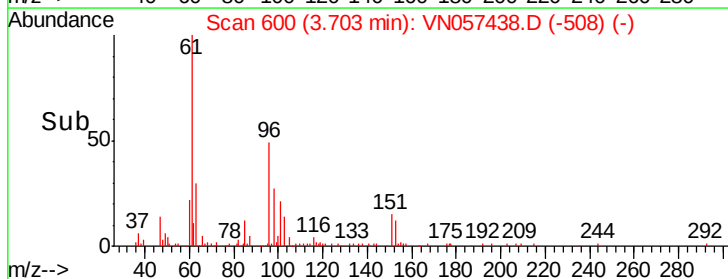
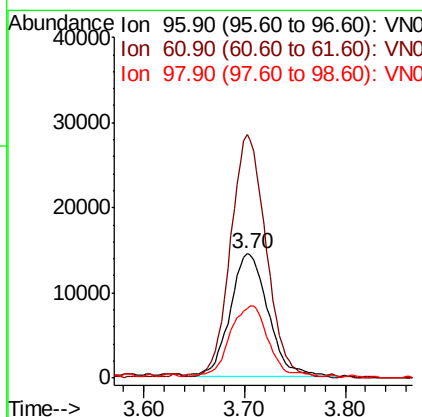
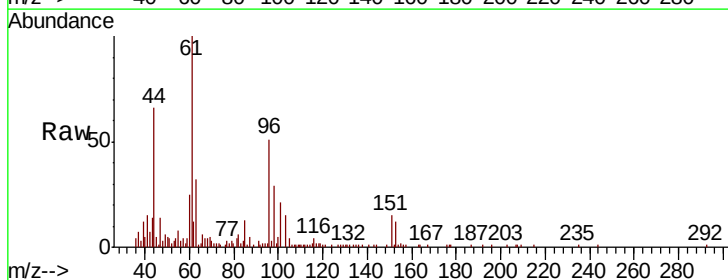
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

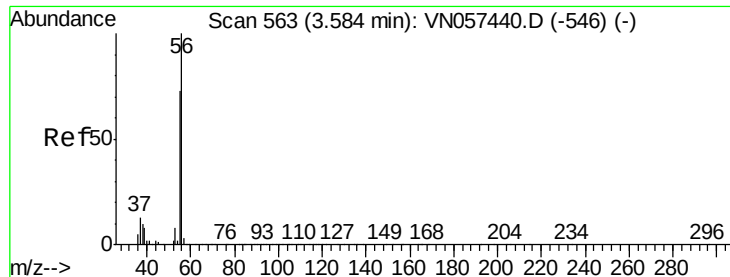
Tgt Ion: 59 Resp: 22677
Ion Ratio Lower Upper
59 100
57 6.6 9.1 13.7#



#12
1,1-Dichloroethene
Concen: 9.640 ug/l
RT: 3.70 min Scan# 600
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 96 Resp: 37549
Ion Ratio Lower Upper
96 100
61 198.8 155.3 232.9
98 55.6 50.2 75.2





#13

Acrolein

Concen: 47.229 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

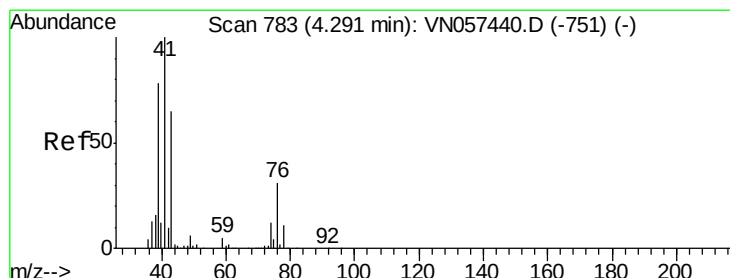
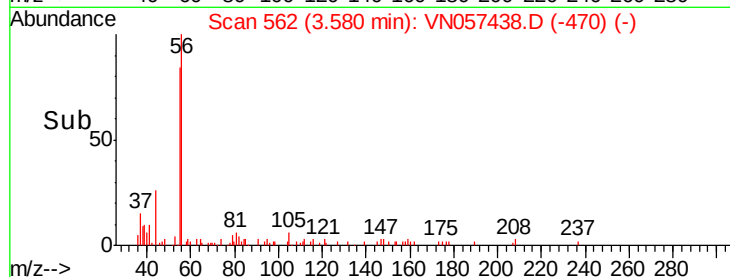
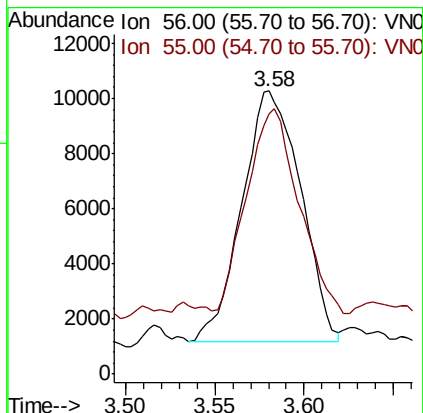
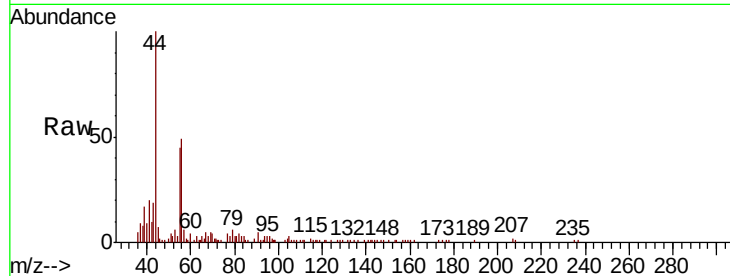
VSTDIC005

Tgt Ion: 56 Resp: 20996

Ion Ratio Lower Upper

56 100

55 73.1 59.0 88.4



#14

Allyl chloride

Concen: 8.061 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

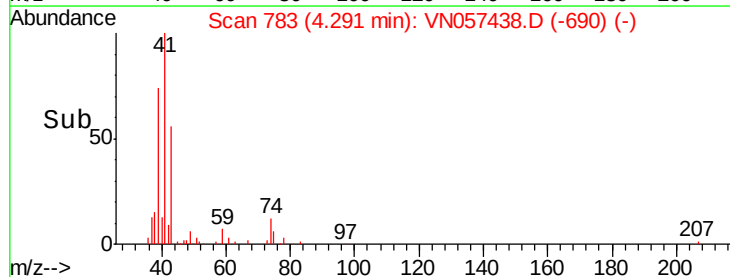
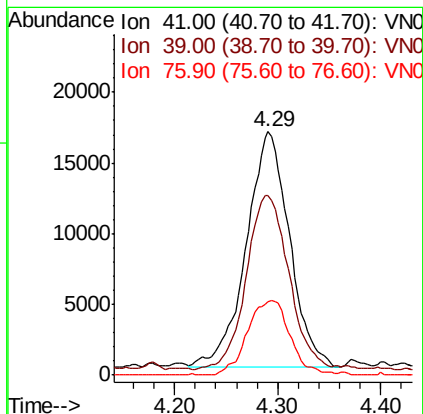
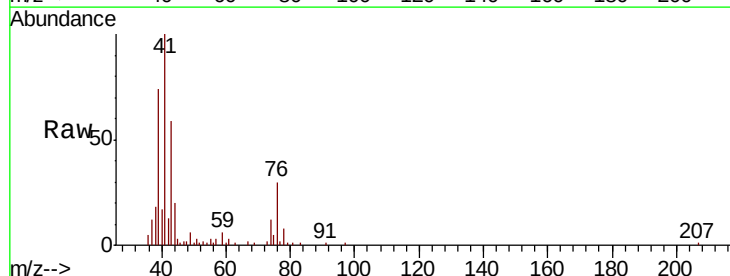
Tgt Ion: 41 Resp: 48749

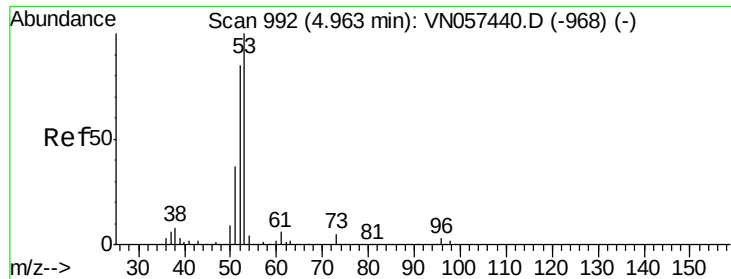
Ion Ratio Lower Upper

41 100

39 71.6 57.4 86.2

76 31.1 22.9 34.3





#15

Acrylonitrile

Concen: 34.837 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

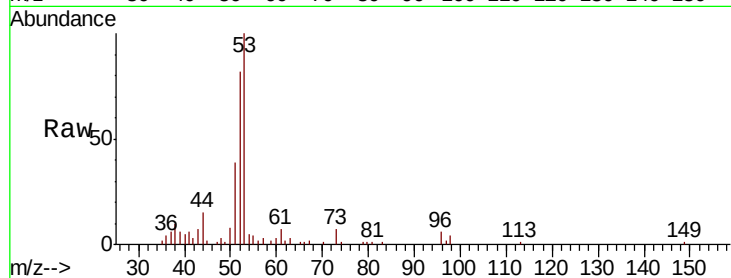
Tgt Ion: 53 Resp: 60584

Ion Ratio Lower Upper

53 100

52 80.9 67.0 100.6

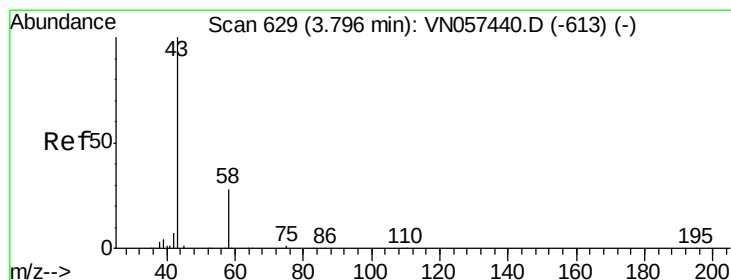
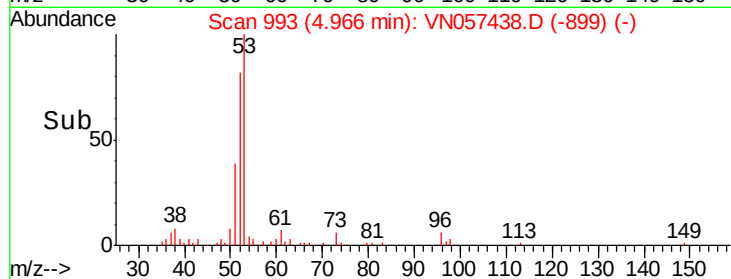
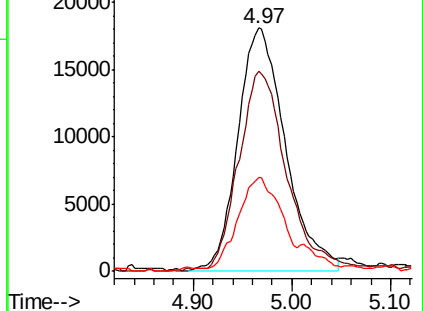
51 33.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN057440.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN057440.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN057440.D (-968) (-)



#16

Acetone

Concen: 48.611 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN057438.D

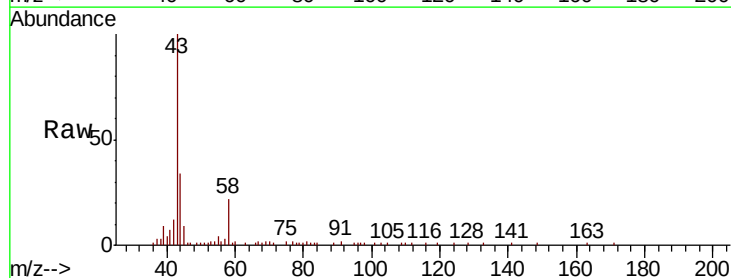
Acq: 22 Aug 2019 17:26

Tgt Ion: 43 Resp: 76717

Ion Ratio Lower Upper

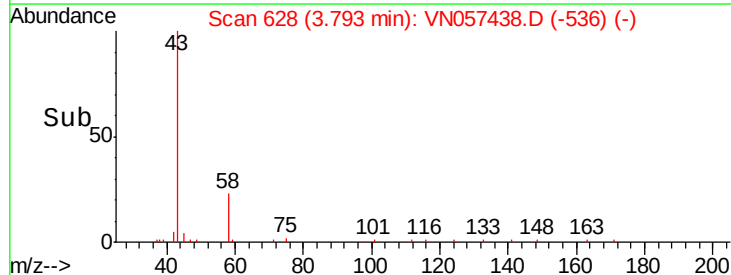
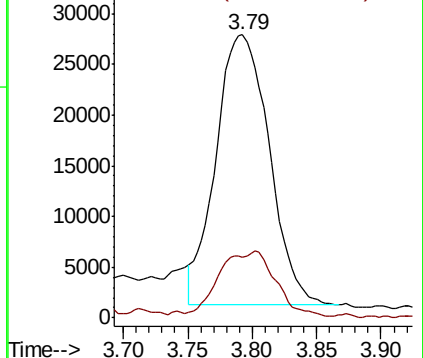
43 100

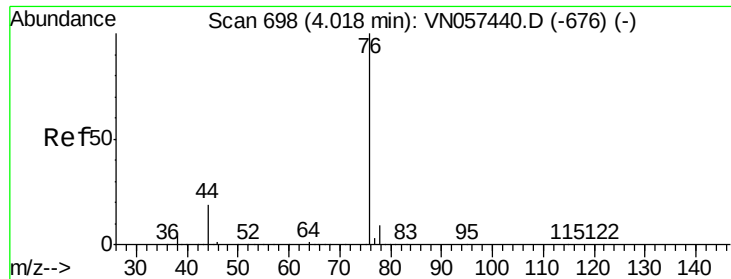
58 21.6 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-613) (-)





#17

Carbon Disulfide

Concen: 6.706 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

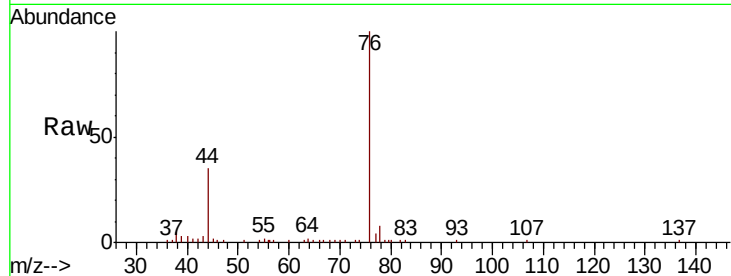
VSTDIC005

Tgt Ion: 76 Resp: 64903

Ion Ratio Lower Upper

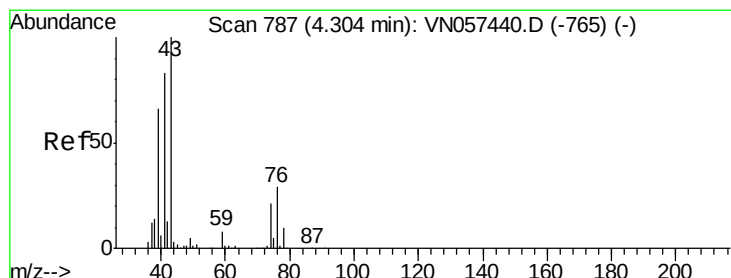
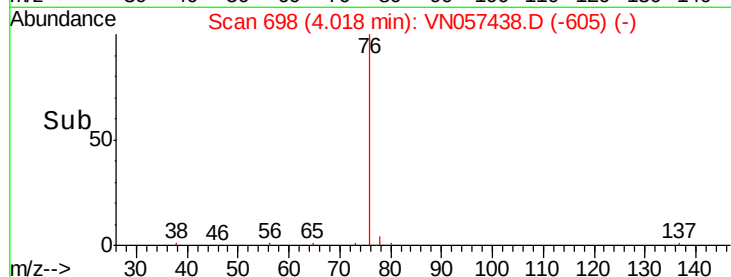
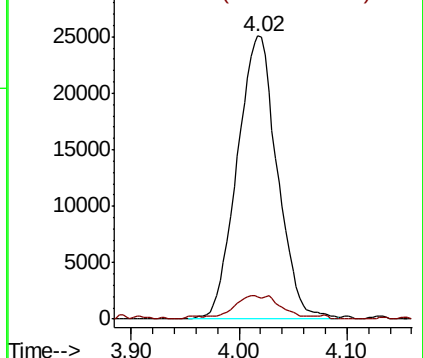
76 100

78 8.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.843 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN057438.D

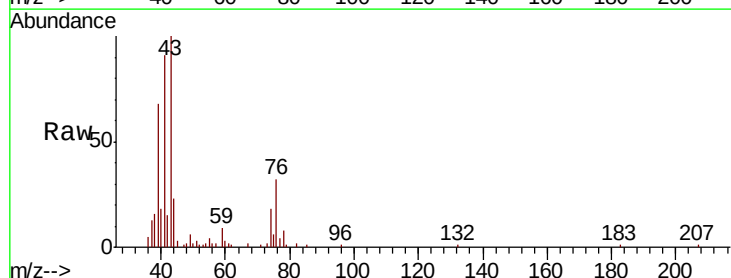
Acq: 22 Aug 2019 17:26

Tgt Ion: 43 Resp: 37369

Ion Ratio Lower Upper

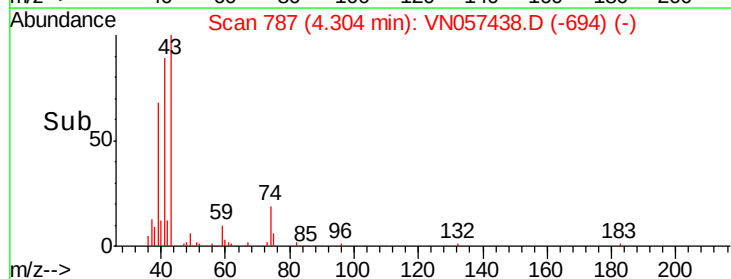
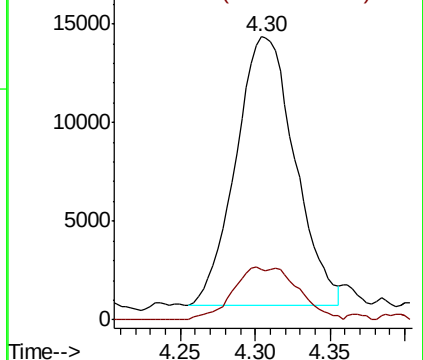
43 100

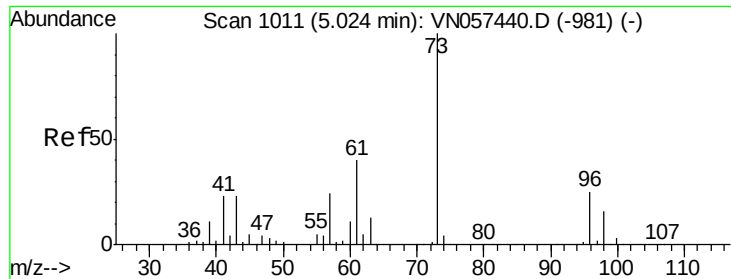
74 11.2 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

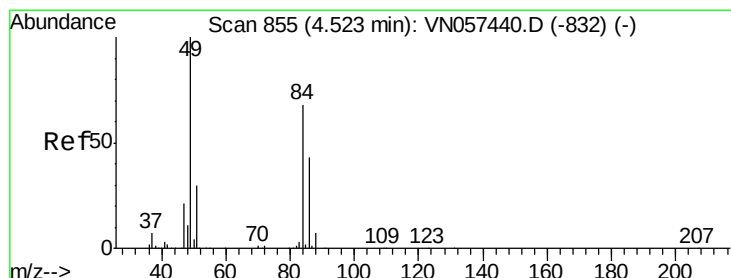
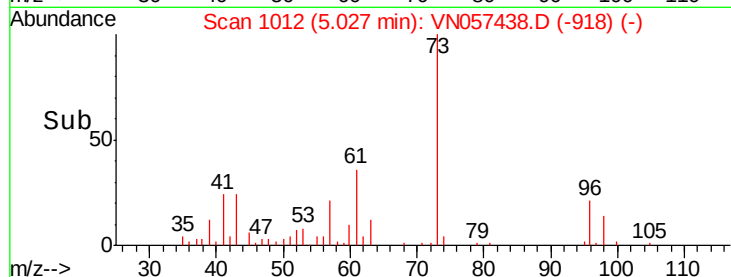
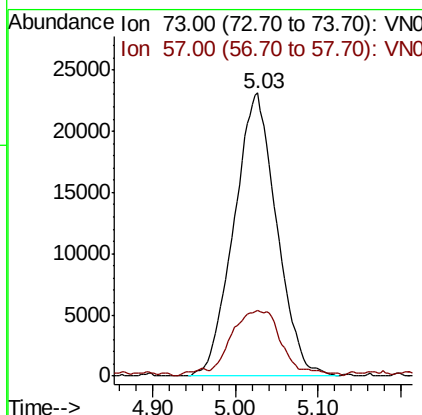
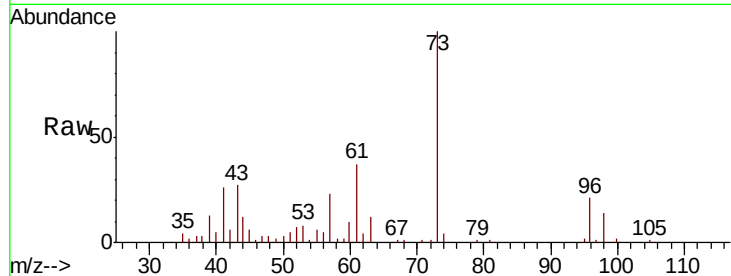




#19
Methyl tert-butyl Ether
Concen: 7.200 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

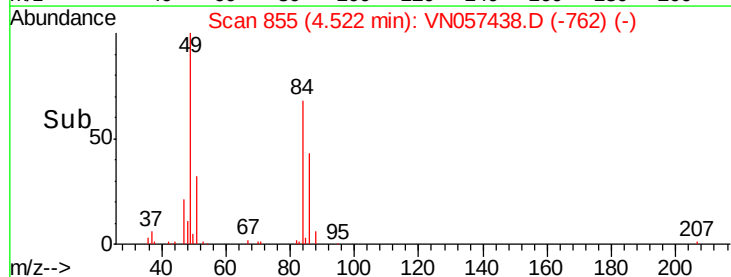
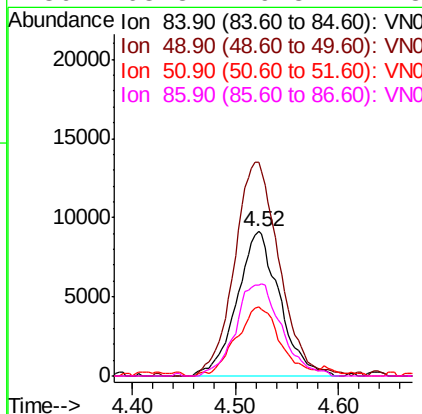
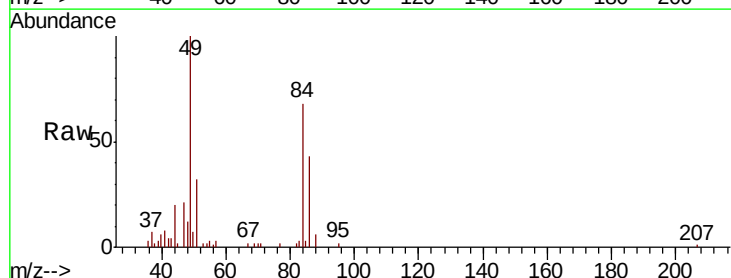
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

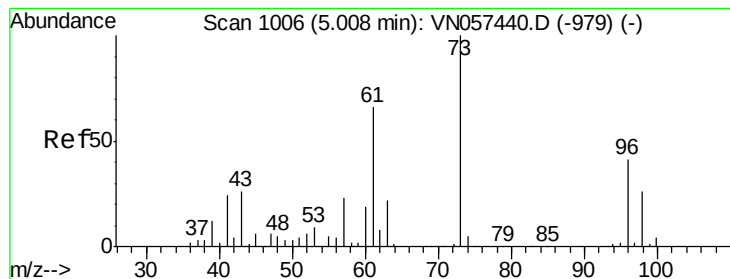
Tgt Ion: 73 Resp: 82597
Ion Ratio Lower Upper
73 100
57 22.0 19.1 28.7



#20
Methylene Chloride
Concen: 6.184 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 84 Resp: 26246
Ion Ratio Lower Upper
84 100
49 147.7 117.0 175.4
51 47.8 35.5 53.3
86 63.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 6.428 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

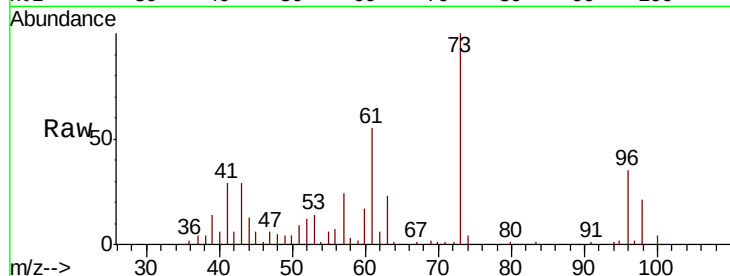
Tgt Ion: 96 Resp: 24479

Ion Ratio Lower Upper

96 100

61 154.4 127.9 191.9

98 56.8 50.6 76.0

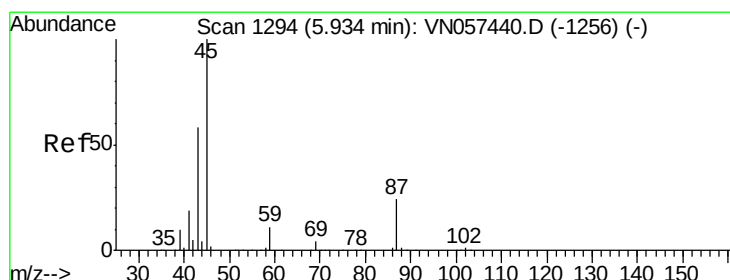
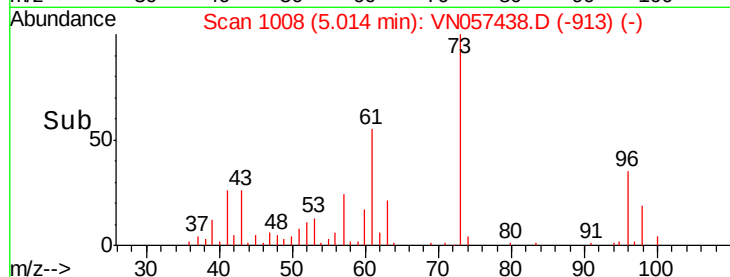
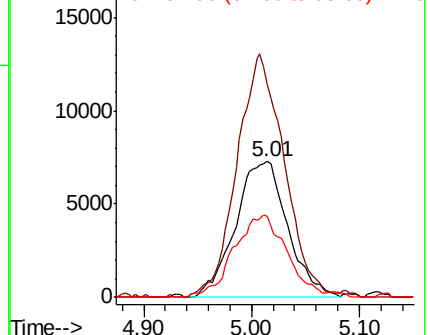


Abundance

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



#22

Diisopropyl ether

Concen: 8.048 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Tgt Ion: 45 Resp: 97297

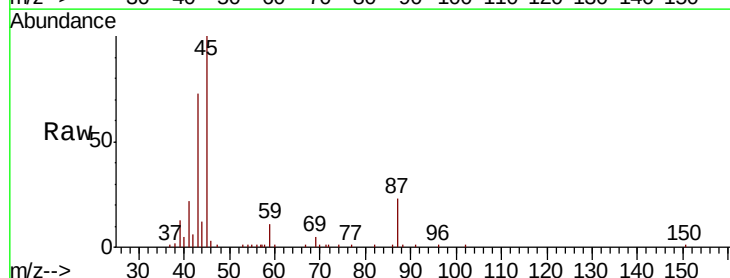
Ion Ratio Lower Upper

45 100

43 67.4 46.9 70.3

87 22.9 19.3 28.9

59 10.7 8.7 13.1



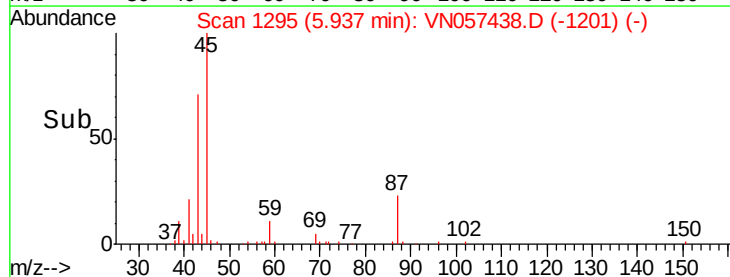
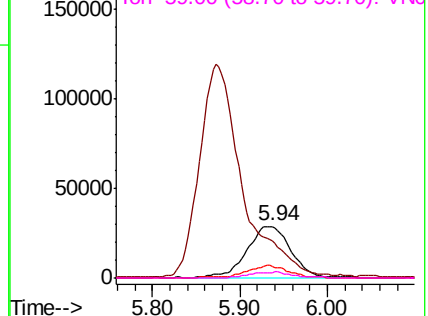
Abundance

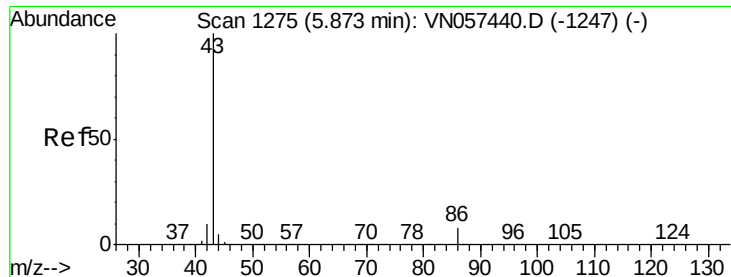
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 41.961 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

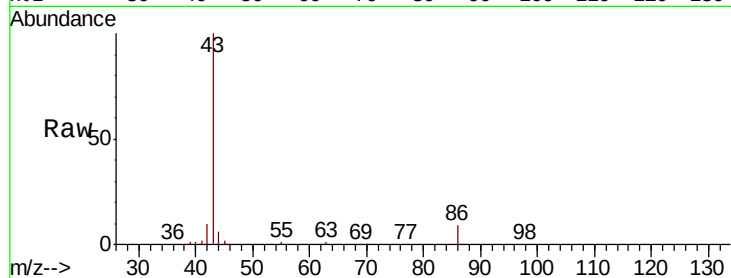
VSTDIC005

Tgt Ion: 43 Resp: 403883

Ion Ratio Lower Upper

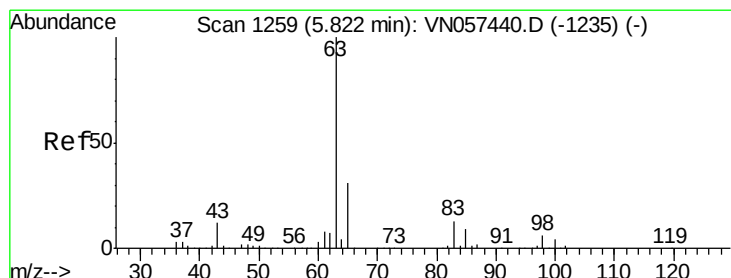
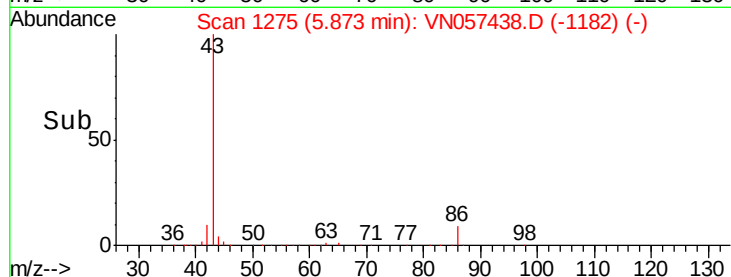
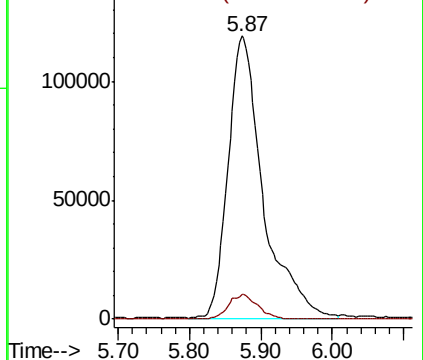
43 100

86 8.6 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 7.512 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

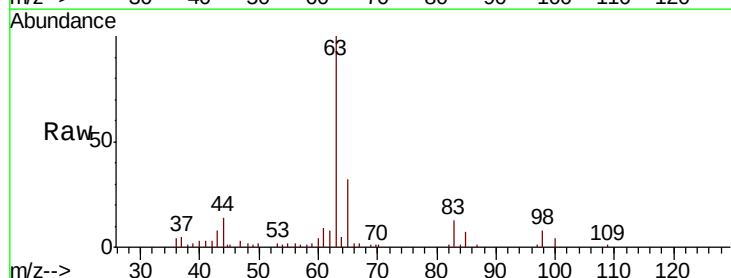
Tgt Ion: 63 Resp: 53754

Ion Ratio Lower Upper

63 100

98 8.1 2.9 8.6

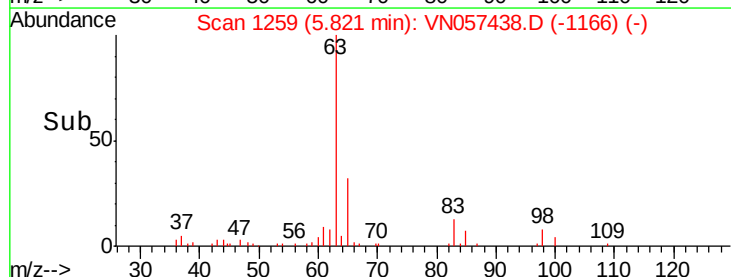
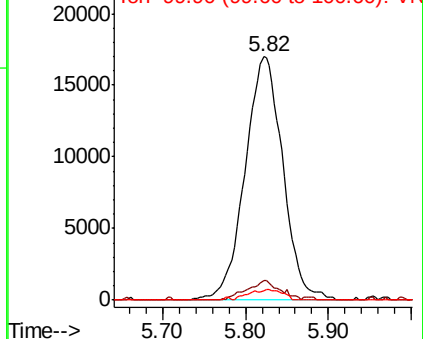
100 3.7 2.1 6.3

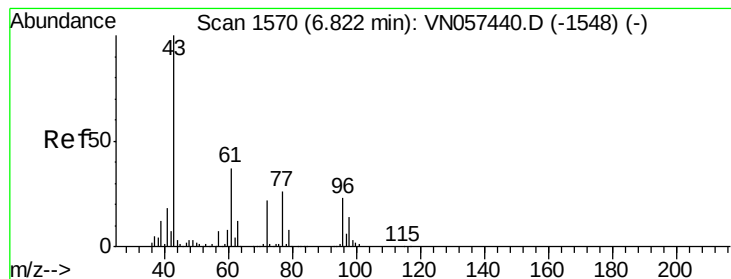


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 40.116 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

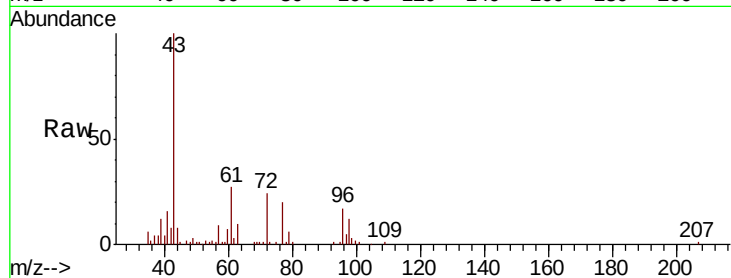
VSTDIC005

Tgt Ion: 43 Resp: 92972

Ion Ratio Lower Upper

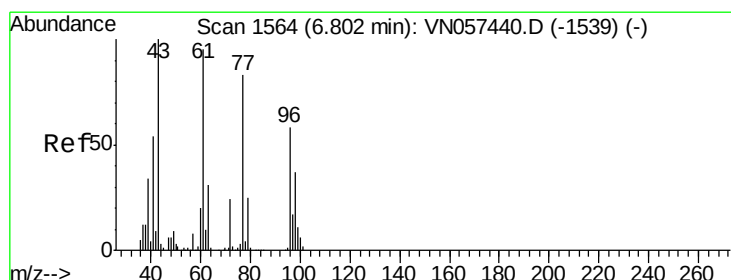
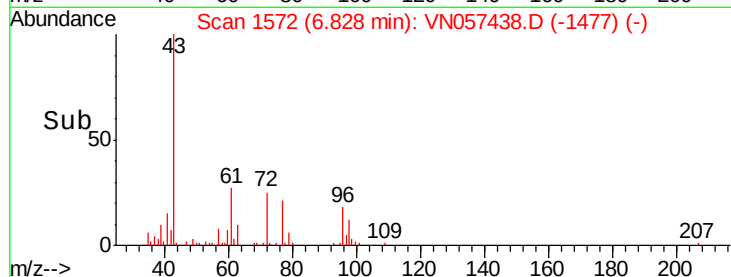
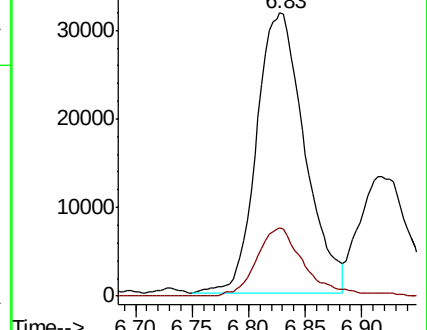
43 100

72 24.3 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN057440.D (-1548) (-)



#26

2,2-Dichloropropane

Concen: 7.784 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057438.D

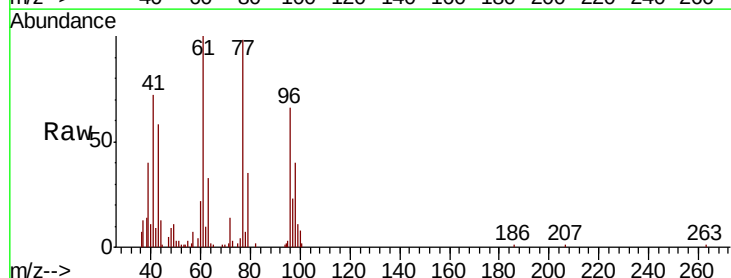
Acq: 22 Aug 2019 17:26

Tgt Ion: 77 Resp: 45387

Ion Ratio Lower Upper

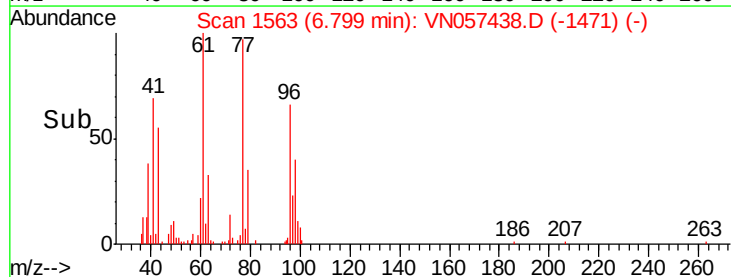
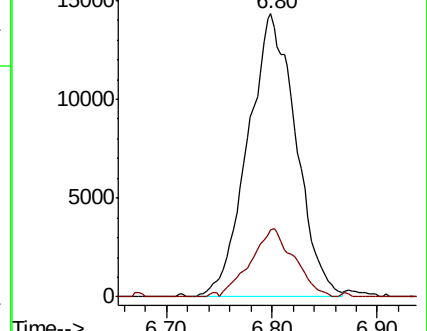
77 100

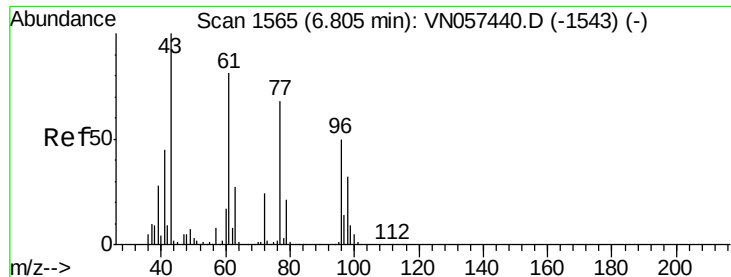
97 21.8 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN057440.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN057440.D (-1539) (-)





#27

cis-1,2-Dichloroethene

Concen: 6.721 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

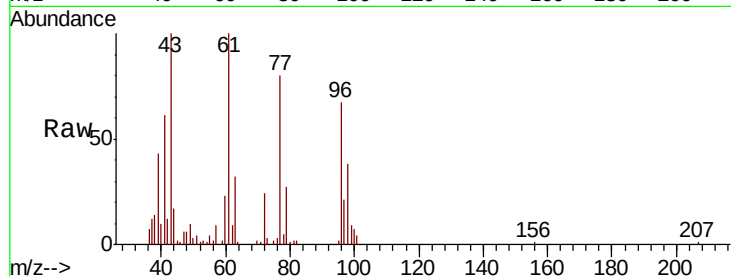
Tgt Ion: 96 Resp: 30400

Ion Ratio Lower Upper

96 100

61 159.4 0.0 334.8

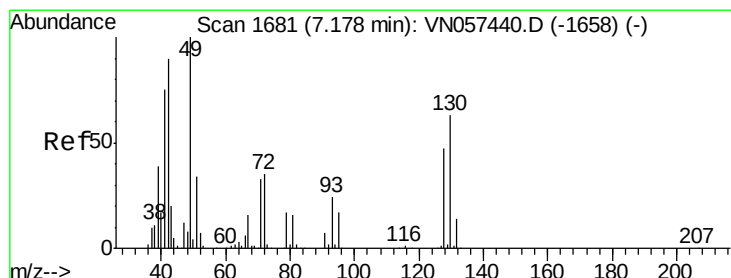
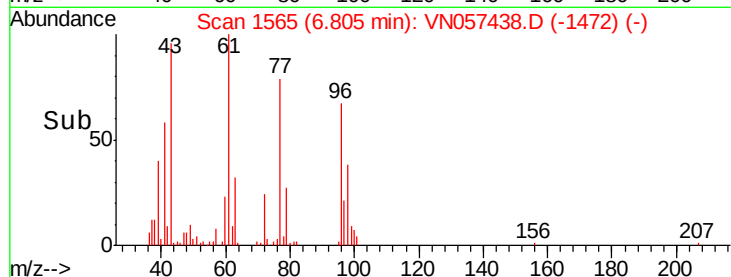
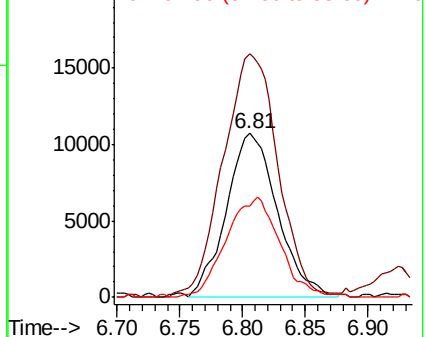
98 64.4 0.0 127.4



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: 7.609 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

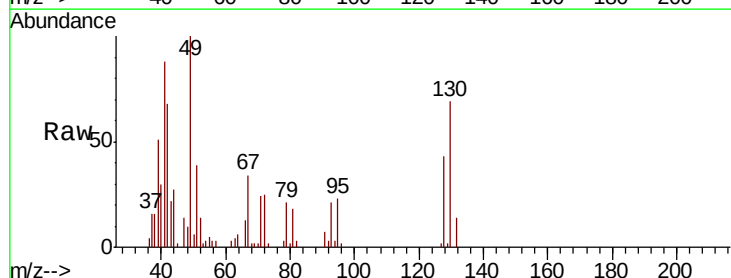
Tgt Ion: 49 Resp: 25920

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.6

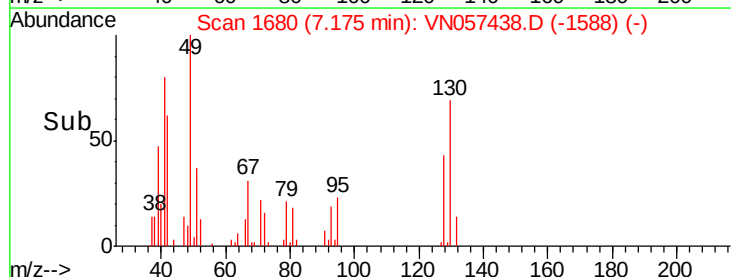
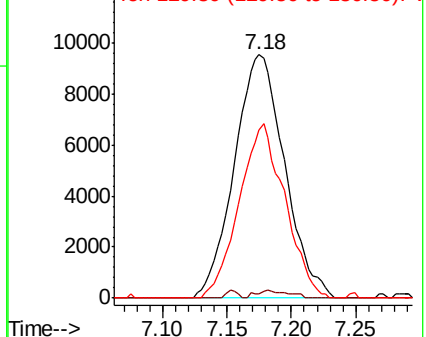
130 65.0 48.6 72.8

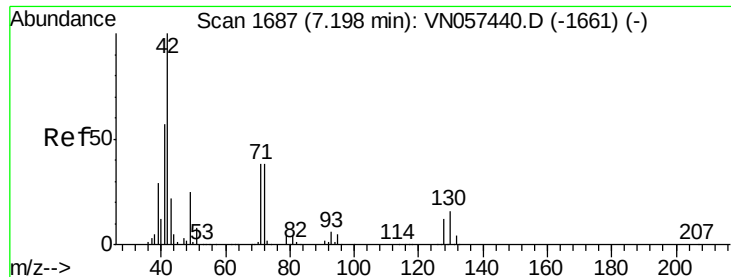


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

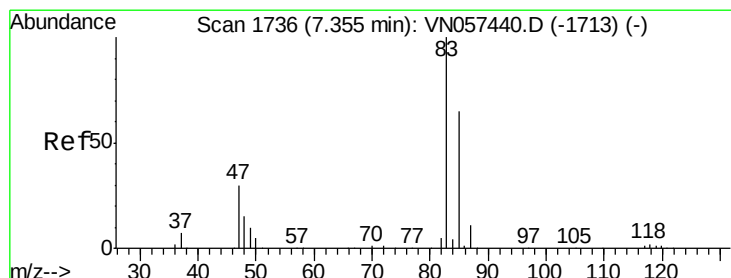
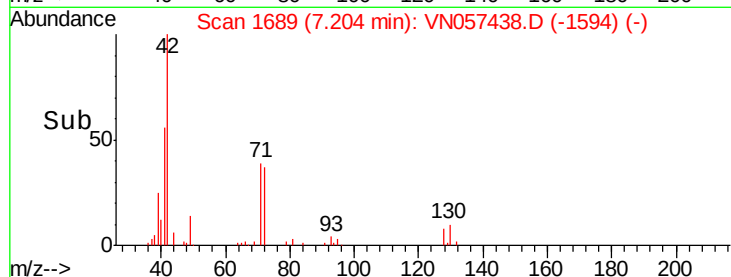
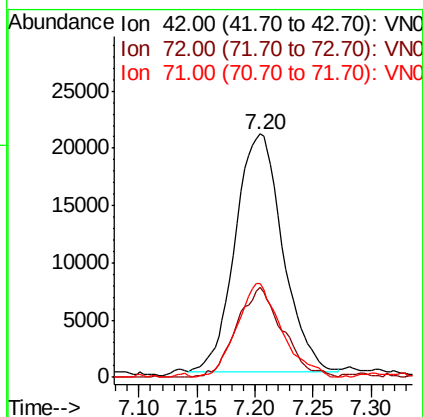
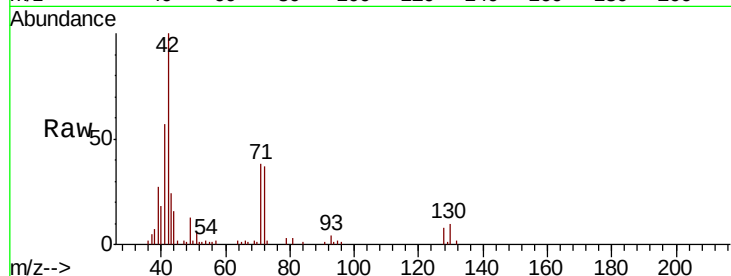




#29
Tetrahydrofuran
Concen: 39.712 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

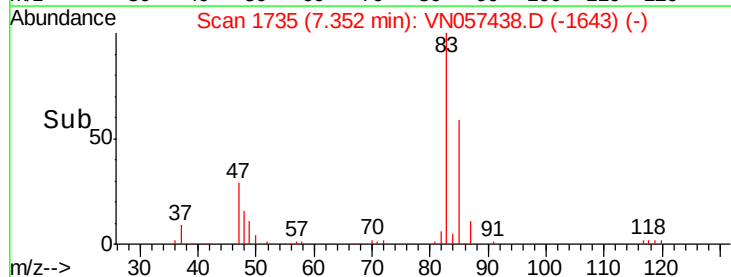
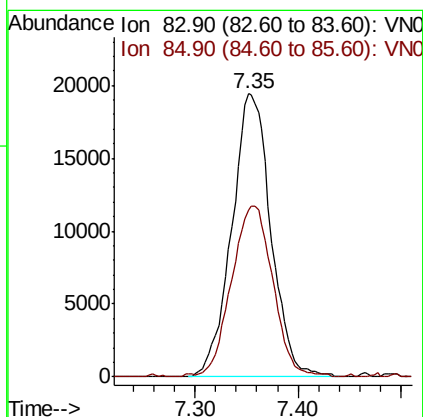
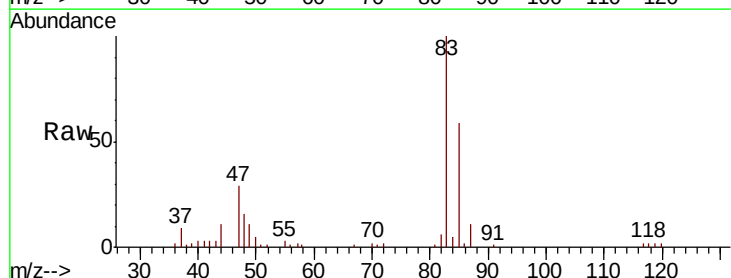
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

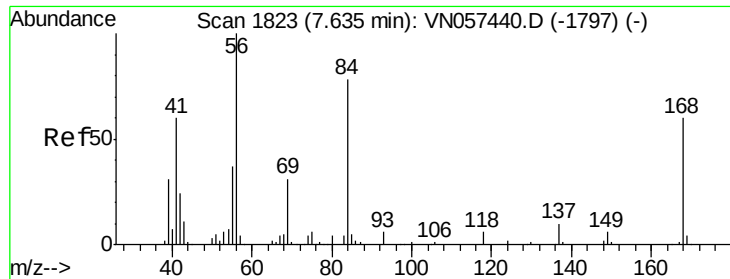
Tgt Ion: 42 Resp: 58980
Ion Ratio Lower Upper
42 100
72 36.8 30.1 45.1
71 37.3 28.8 43.2



#30
Chloroform
Concen: 6.923 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 83 Resp: 51278
Ion Ratio Lower Upper
83 100
85 59.1 51.9 77.9

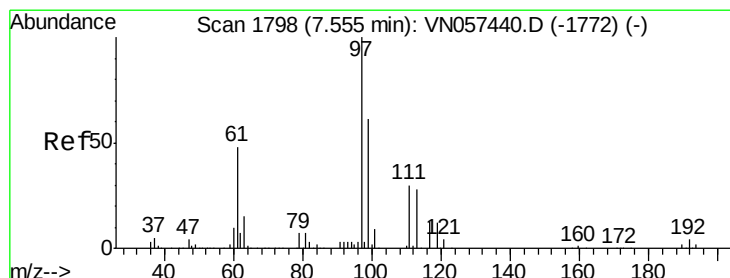
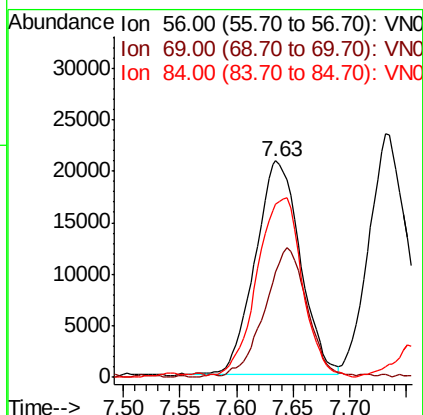
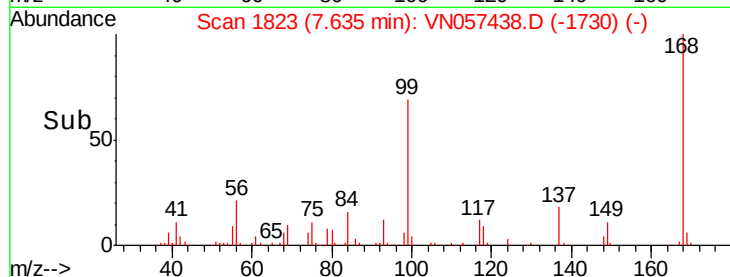
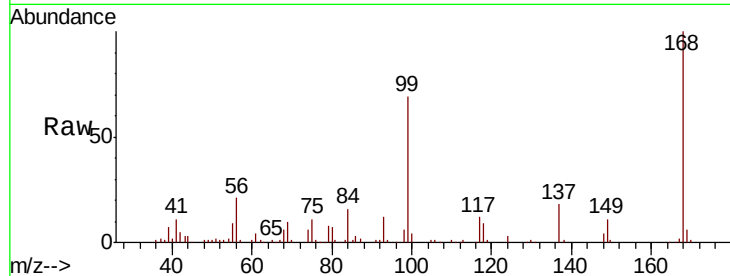




#31
Cyclohexane
Concen: 8.824 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

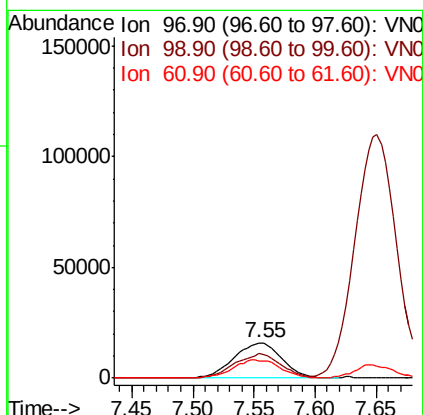
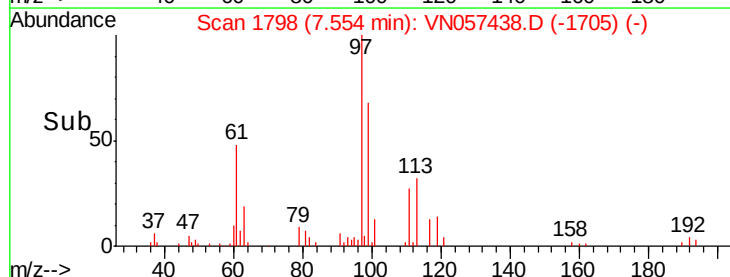
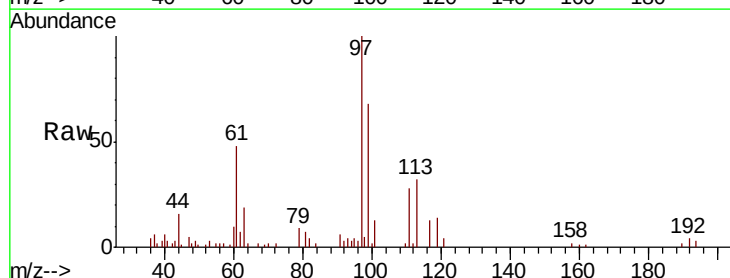
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

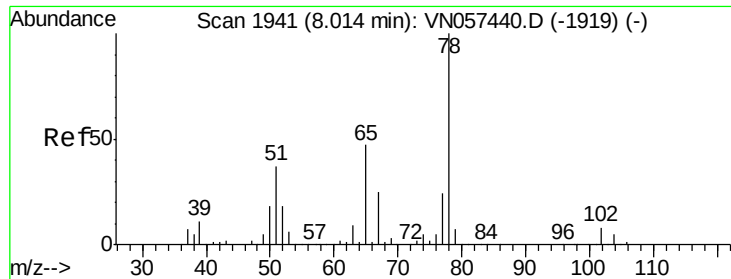
Tgt Ion: 56 Resp: 57583
Ion Ratio Lower Upper
56 100
69 49.3 25.0 37.6#
84 79.6 62.5 93.7



#32
1,1,1-Trichloroethane
Concen: 6.948 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 97 Resp: 43290
Ion Ratio Lower Upper
97 100
99 66.5 51.0 76.6
61 51.2 39.8 59.6





#33

1,2-Dichloroethane-d4

Concen: 7.138 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

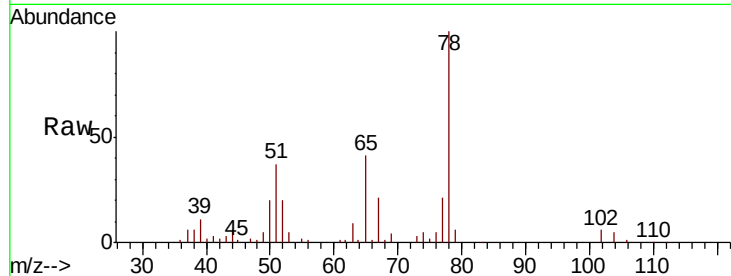
VSTDIC005

Tgt Ion: 65 Resp: 34301

Ion Ratio Lower Upper

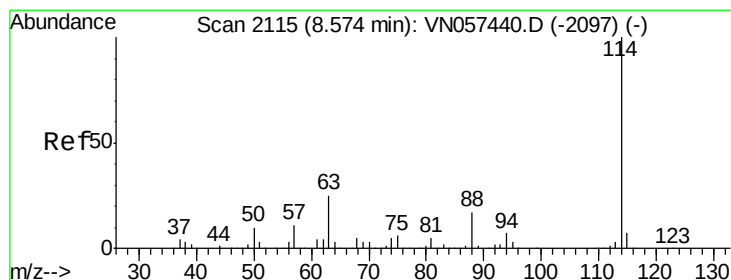
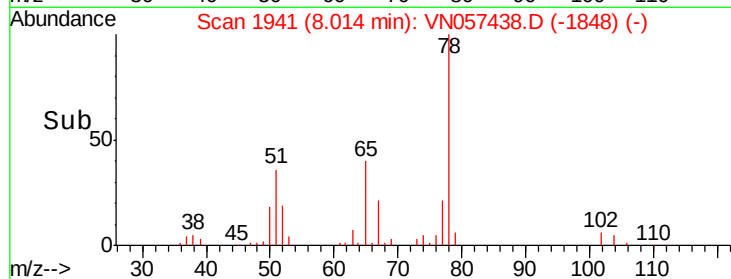
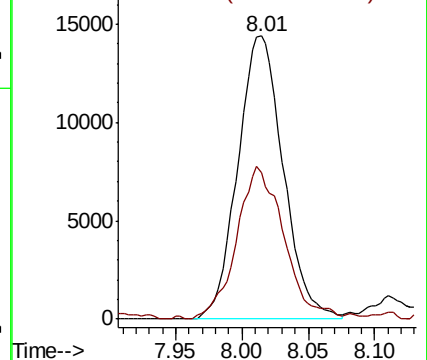
65 100

67 55.9 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: VN057438.D

Acq: 22 Aug 2019 17:26

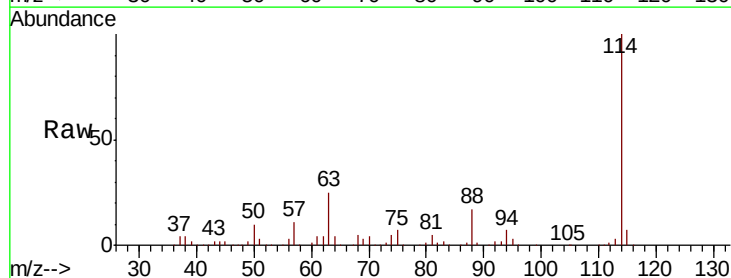
Tgt Ion: 114 Resp: 704959

Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.2

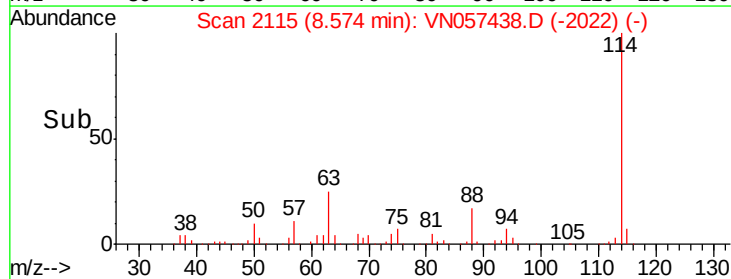
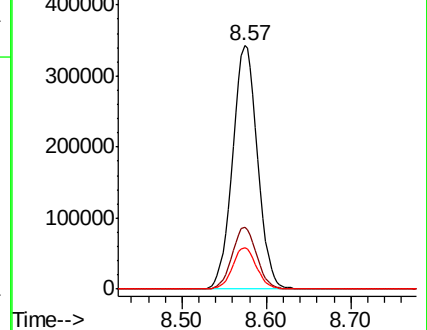
88 17.2 0.0 34.6

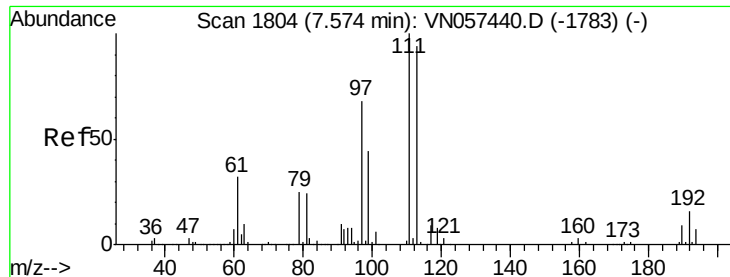


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

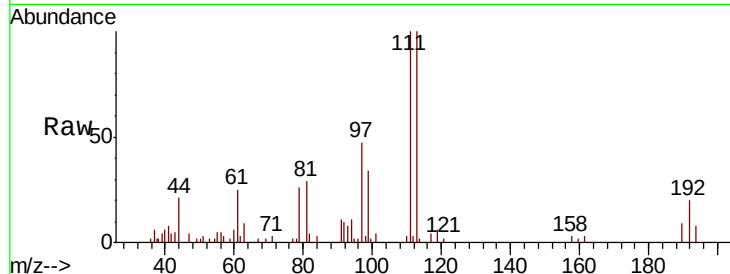




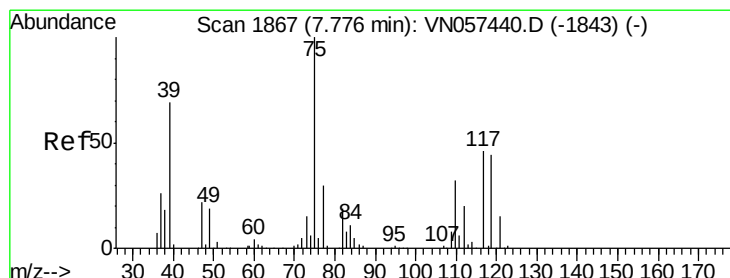
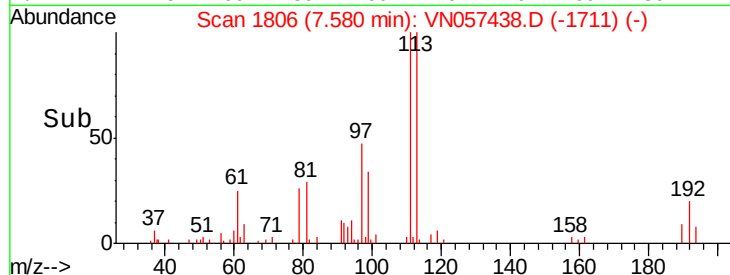
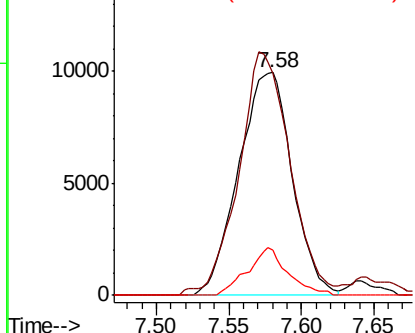
#35
 Dibromofluoromethane
 Concen: 5.496 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 25614
 Ion Ratio Lower Upper
 113 100
 111 104.0 83.8 125.6
 192 16.0 13.5 20.3

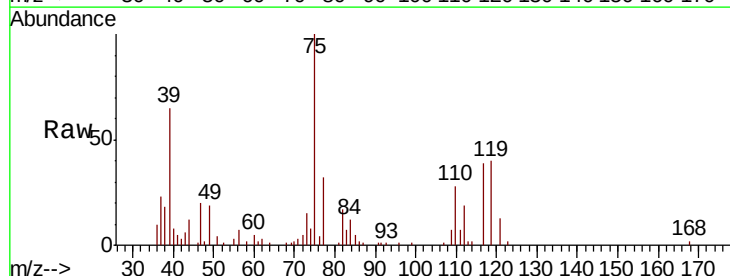


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

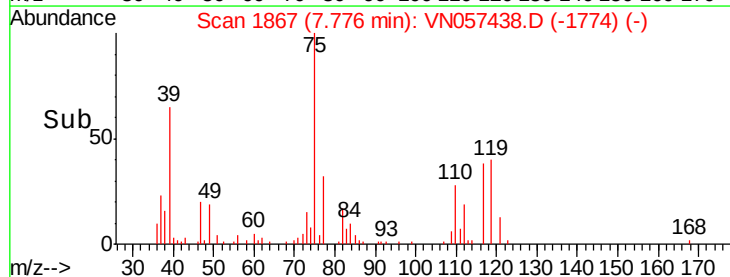
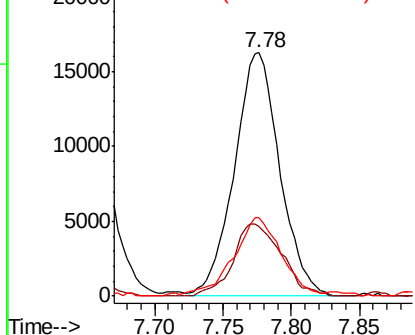


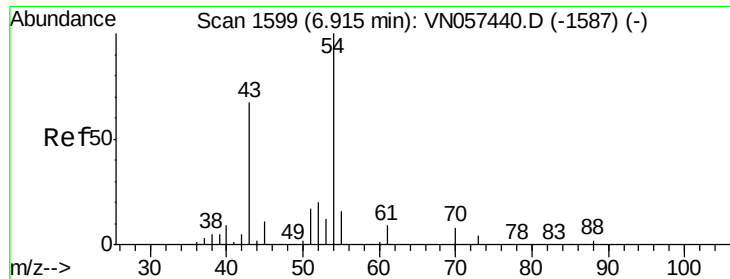
#36
 1,1-Dichloropropene
 Concen: 5.940 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 75 Resp: 37690
 Ion Ratio Lower Upper
 75 100
 110 31.5 16.1 48.3
 77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

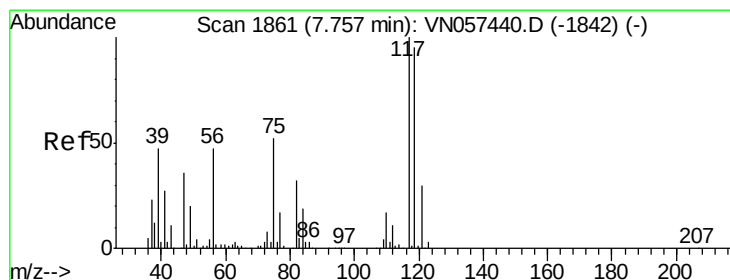
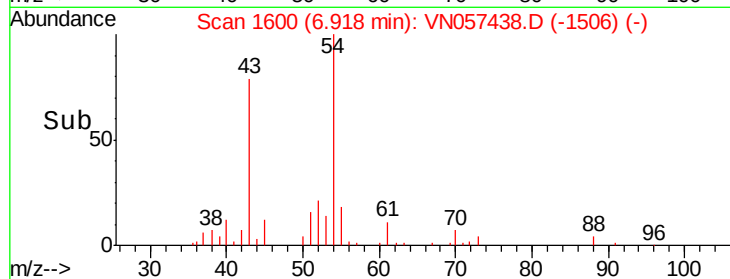
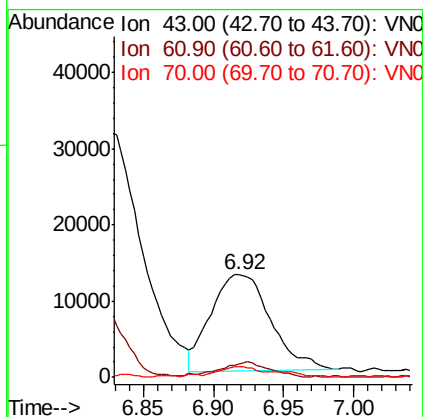
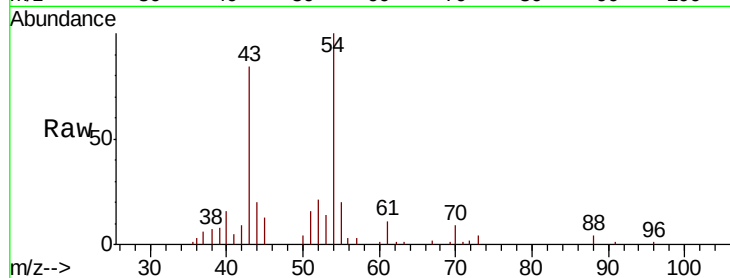




#37
Ethyl Acetate
 Concen: 7.051 ug/l
 RT: 6.92 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

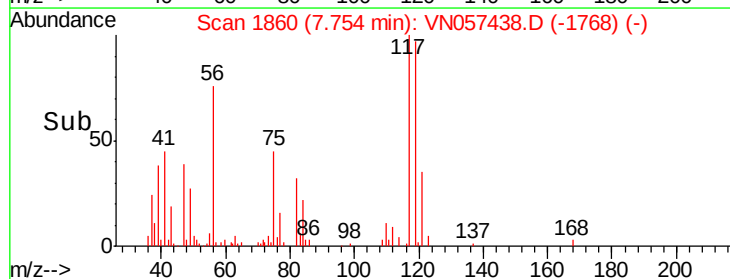
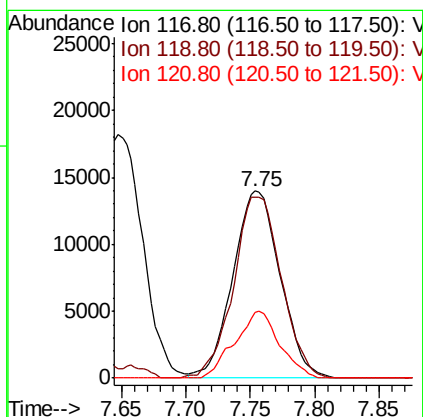
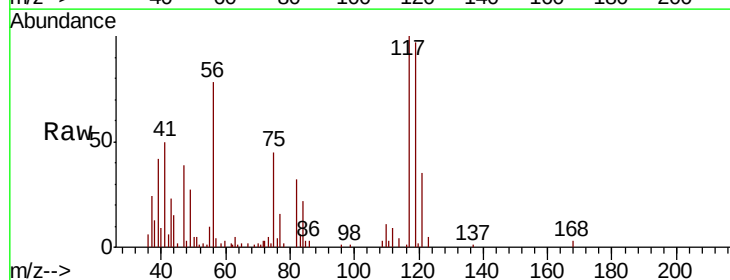
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

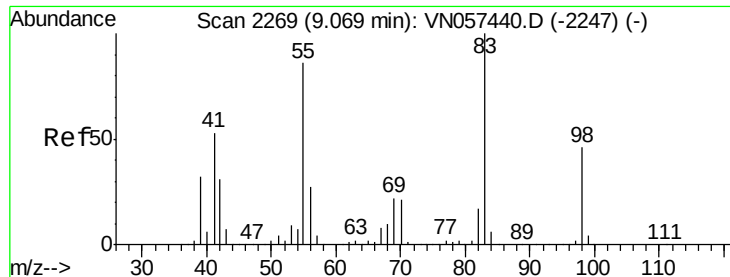
Tgt Ion: 43 Resp: 37643
 Ion Ratio Lower Upper
 43 100
 61 13.5 9.9 14.9
 70 5.2 7.0 10.6#



#38
Carbon Tetrachloride
 Concen: 5.476 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 117 Resp: 35756
 Ion Ratio Lower Upper
 117 100
 119 96.9 76.2 114.4
 121 35.0 23.8 35.6

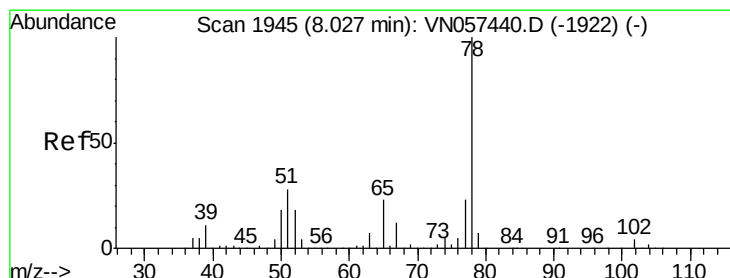
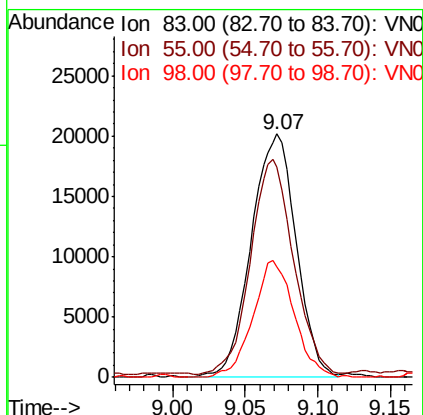
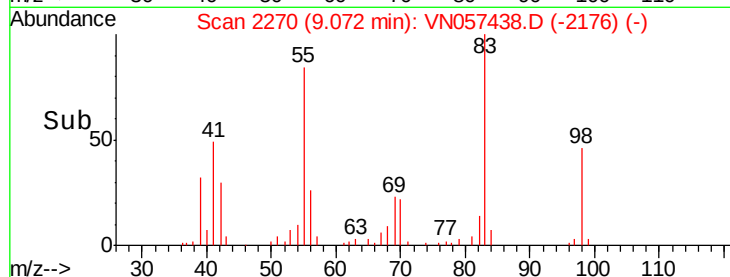
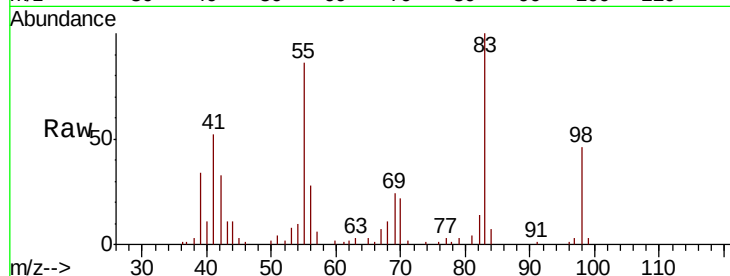




#39
Methylcyclohexane
Concen: 5.845 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

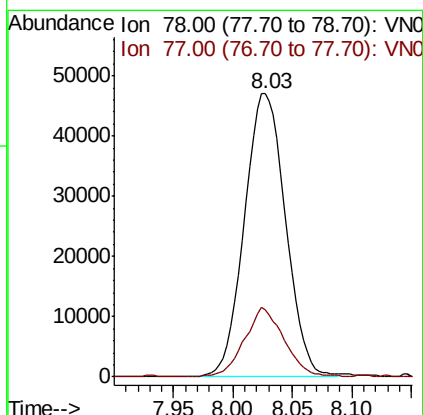
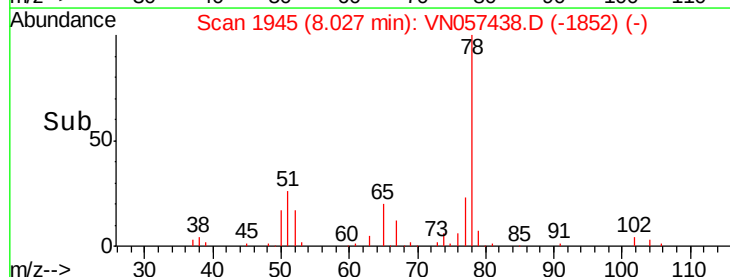
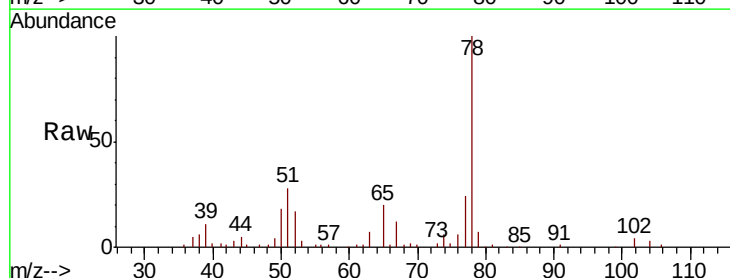
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

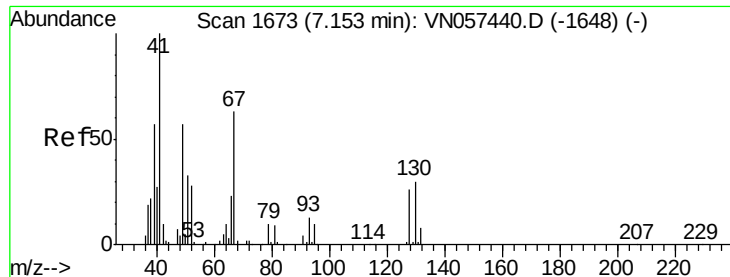
Tgt Ion: 83 Resp: 43523
Ion Ratio Lower Upper
83 100
55 84.6 68.6 102.8
98 45.6 36.6 54.8



#40
Benzene
Concen: 5.853 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 78 Resp: 112942
Ion Ratio Lower Upper
78 100
77 23.8 18.5 27.7

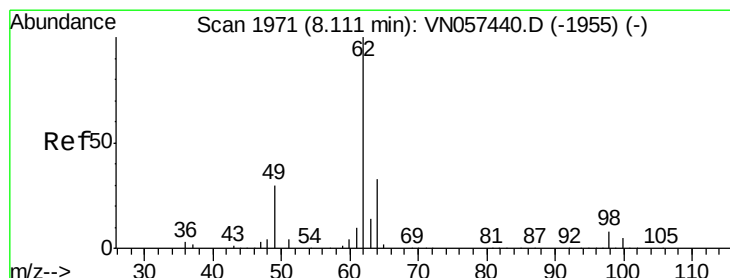
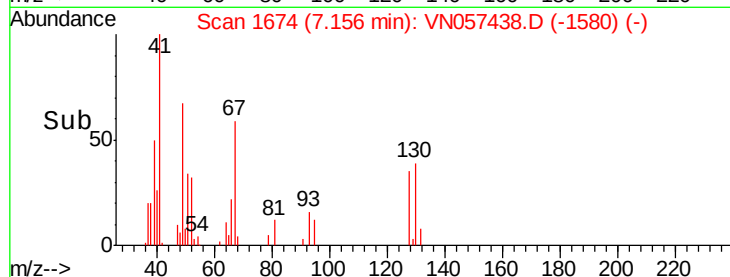
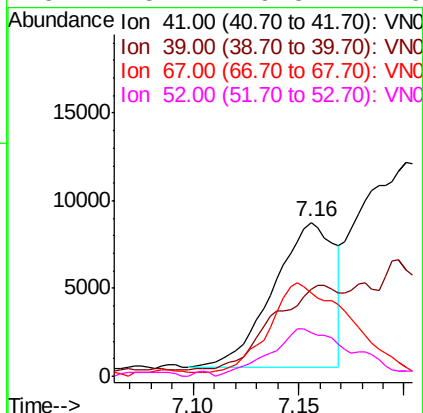
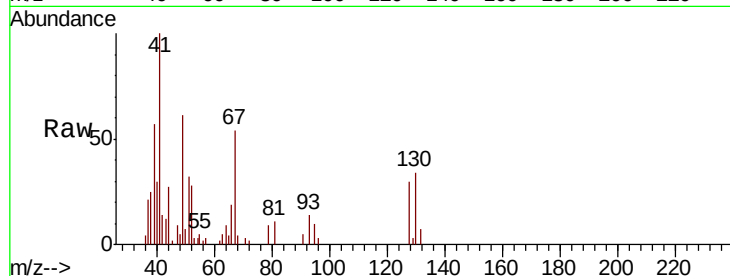




#41
Methacrylonitrile
Concen: 6.860 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

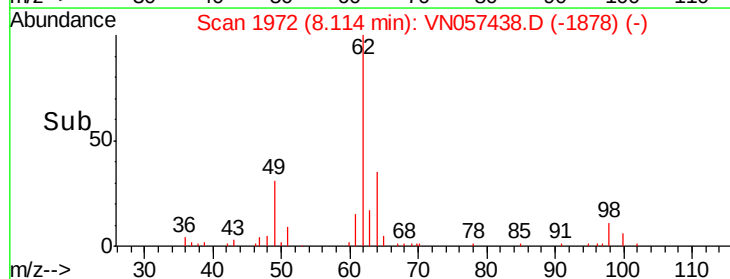
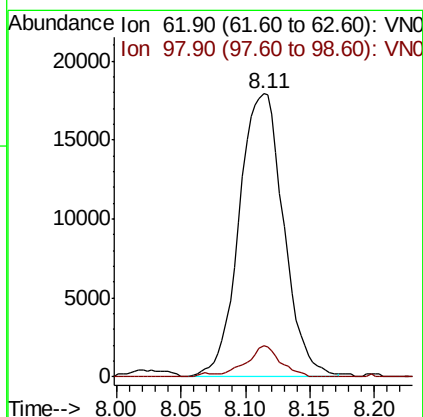
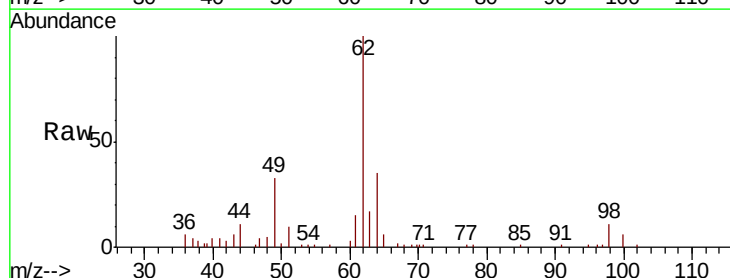
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

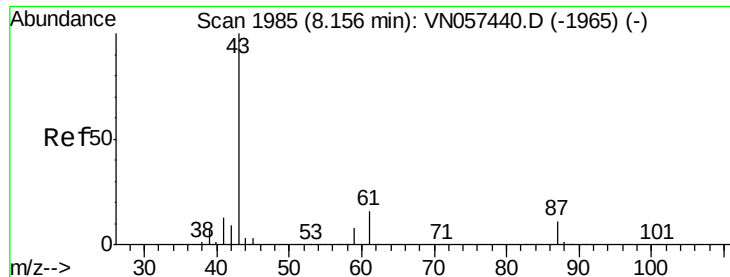
Tgt Ion:	41	Resp:	16713
Ion	Ratio	Lower	Upper
41	100		
39	65.2	53.6	80.4
67	81.3	65.4	98.2
52	43.4	29.8	44.6



#42
1,2-Dichloroethane
Concen: 6.586 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion:	62	Resp:	43151
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.4





#43

Isopropyl Acetate

Concen: 5.881 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

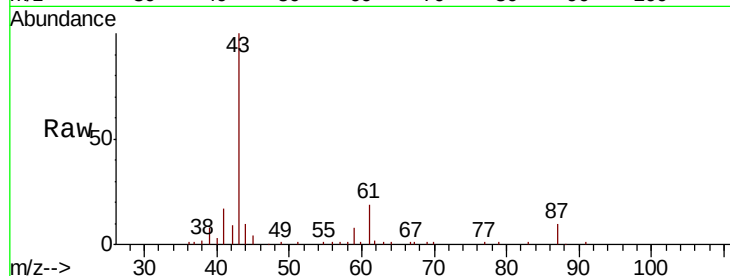
Tgt Ion: 43 Resp: 67509

Ion Ratio Lower Upper

43 100

61 18.5 14.5 21.7

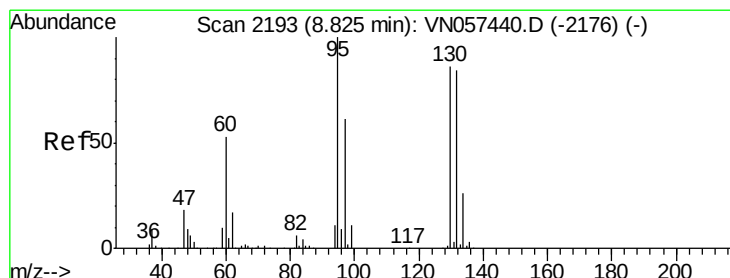
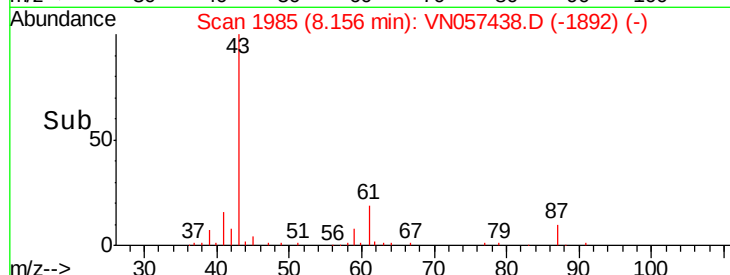
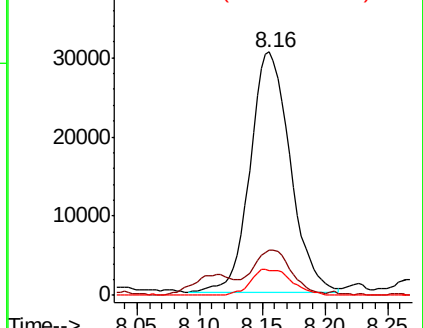
87 11.1 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)



#44

Trichloroethene

Concen: 4.747 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057438.D

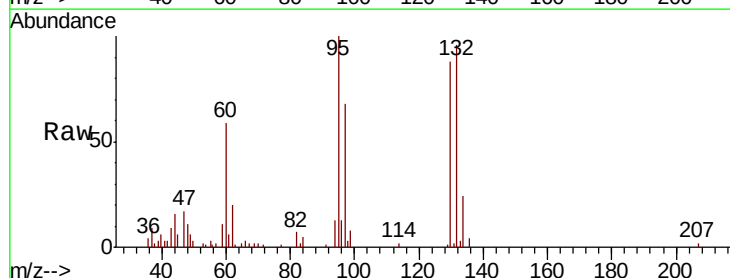
Acq: 22 Aug 2019 17:26

Tgt Ion: 130 Resp: 24991

Ion Ratio Lower Upper

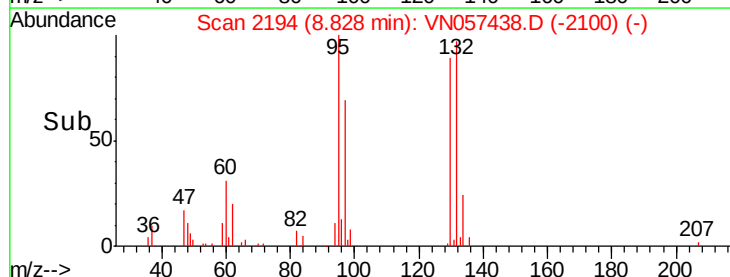
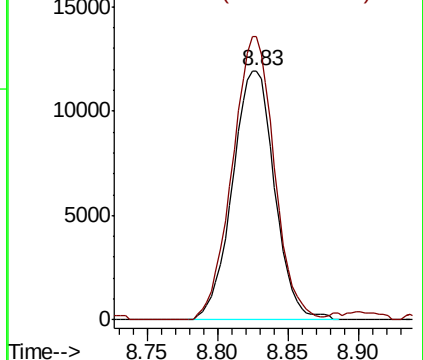
130 100

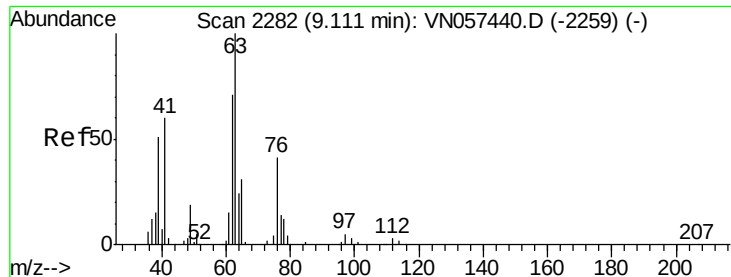
95 113.5 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057440.D (-2176) (-)

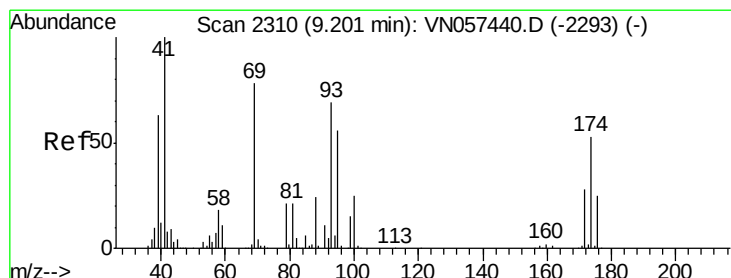
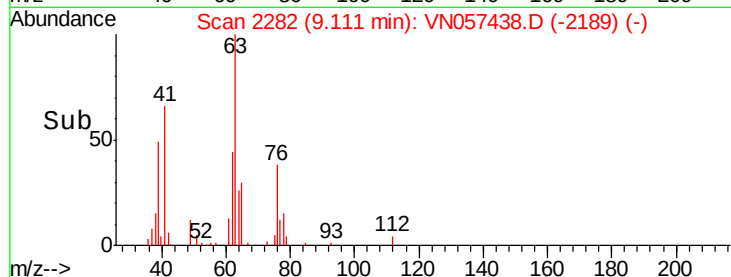
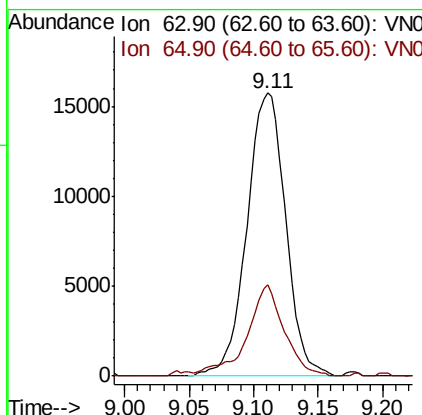
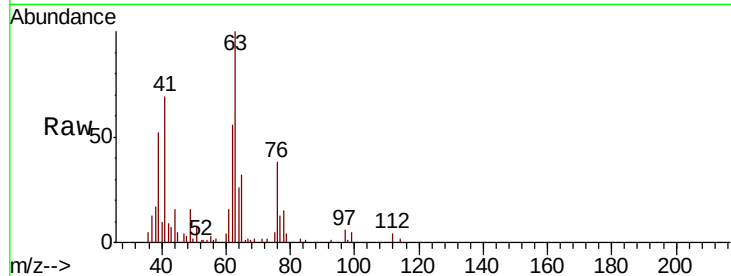




#45
 1,2-Dichloropropane
 Concen: 6.549 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

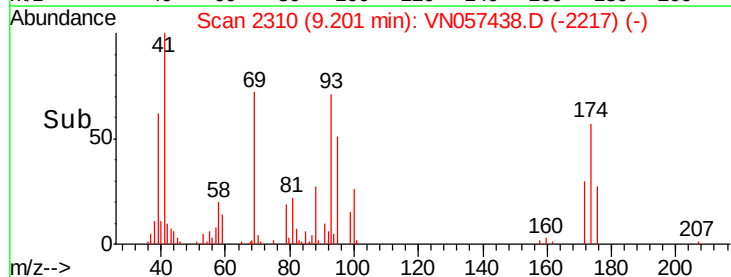
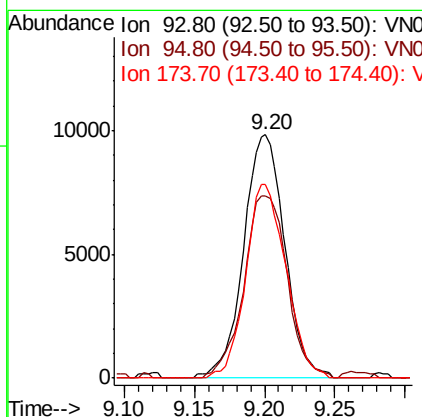
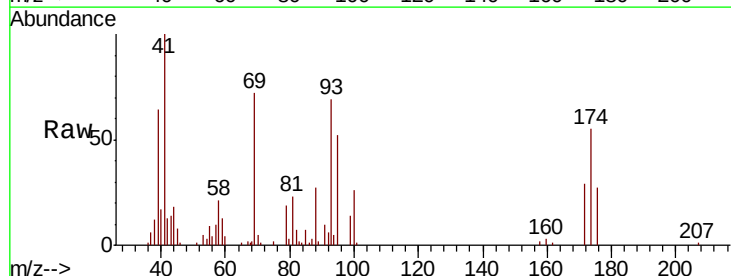
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

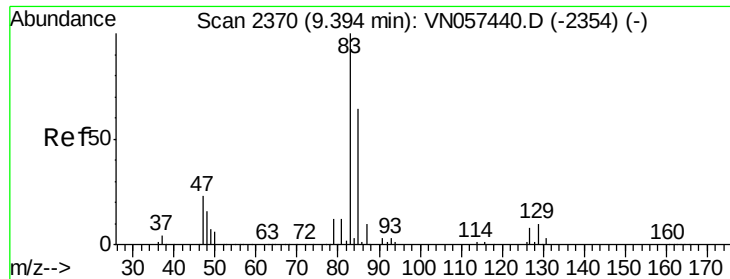
Tgt Ion: 63 Resp: 33009
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.7 37.1



#46
 Dibromomethane
 Concen: 6.039 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 93 Resp: 20099
 Ion Ratio Lower Upper
 93 100
 95 78.9 64.7 97.1
 174 77.8 62.3 93.5





#47

Bromodichloromethane

Concen: 6.252 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

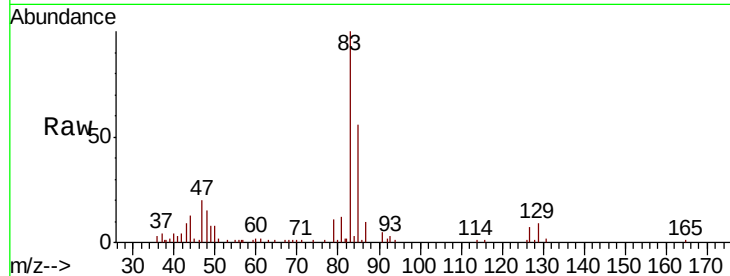
Tgt Ion: 83 Resp: 41554

Ion Ratio Lower Upper

83 100

85 55.7 51.2 76.8

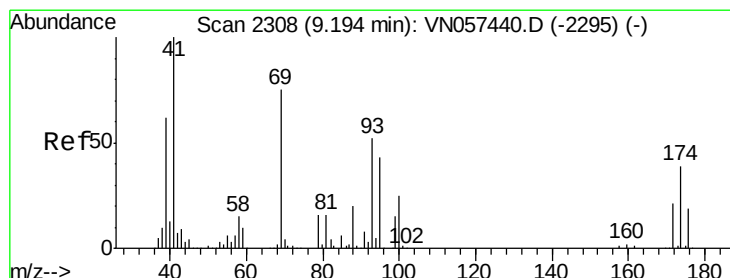
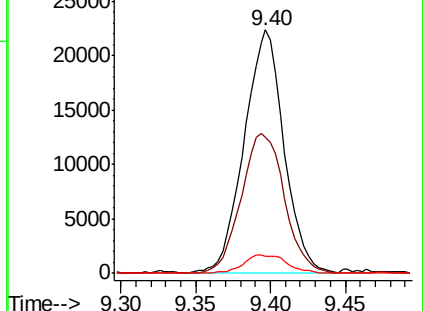
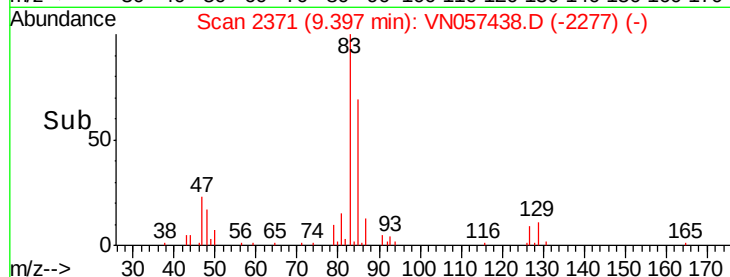
127 7.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 7.066 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

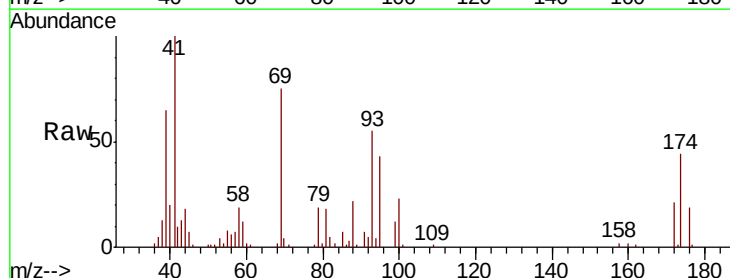
Tgt Ion: 41 Resp: 31606

Ion Ratio Lower Upper

41 100

69 77.6 59.3 88.9

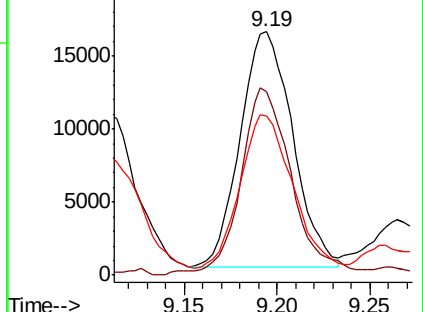
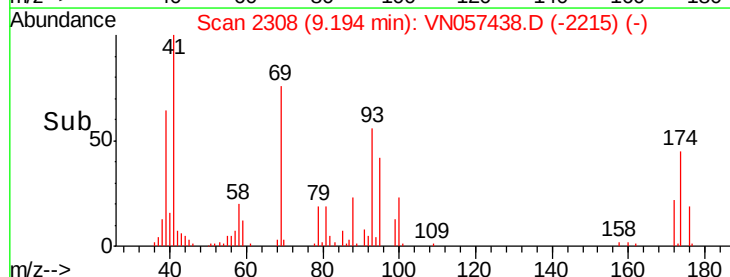
39 64.4 50.6 75.8

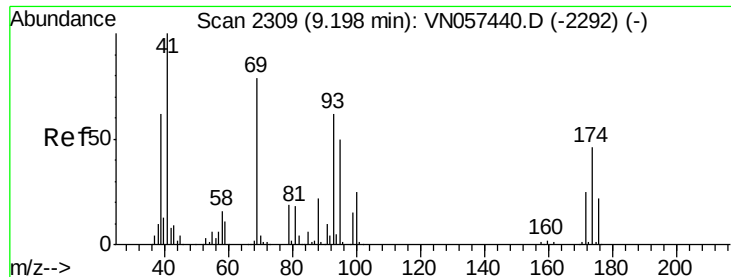


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

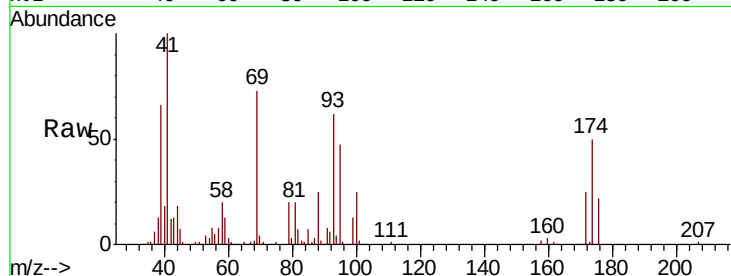




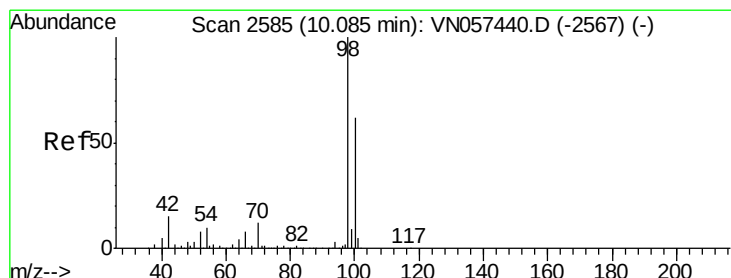
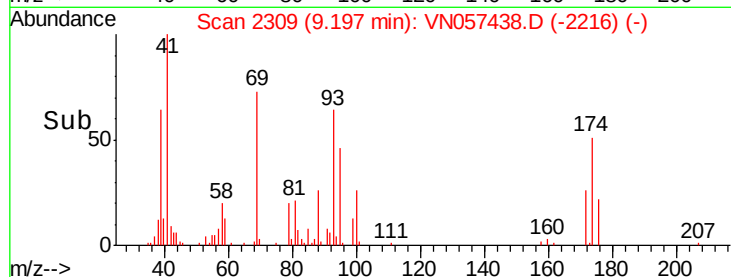
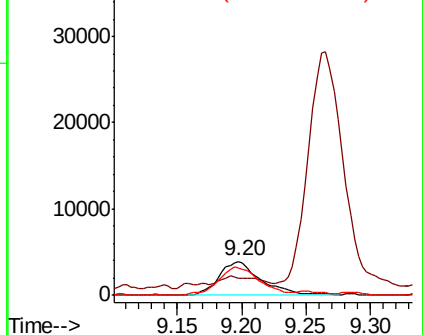
#49
 1,4-Dioxane
 Concen: 103.783 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 8885
 Ion Ratio Lower Upper
 88 100
 43 0.0 31.0 46.6#
 58 82.0 64.5 96.7

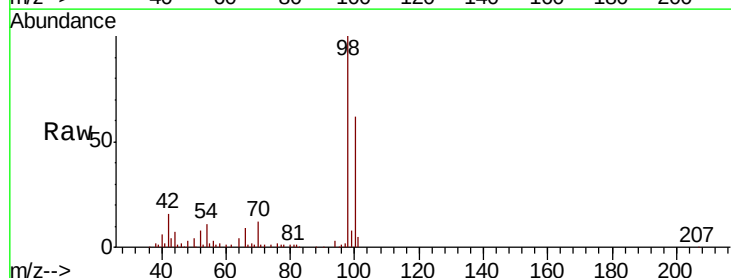


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

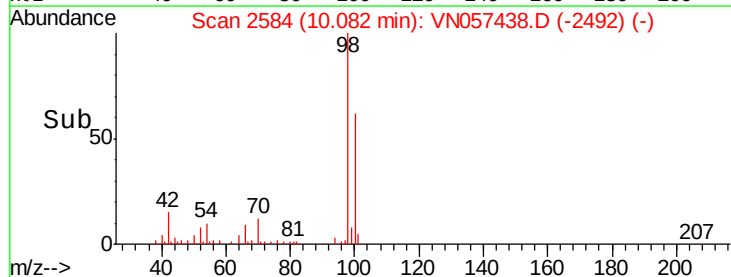
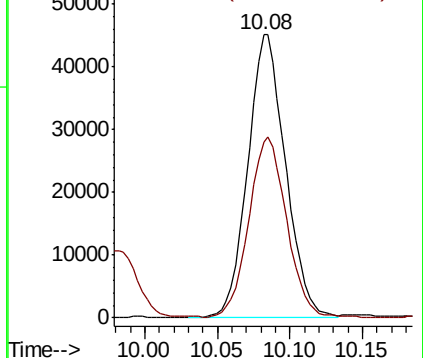


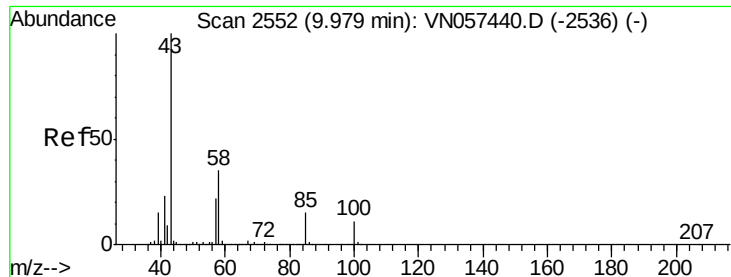
#50
 Toluene-d8
 Concen: 4.763 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 98 Resp: 81951
 Ion Ratio Lower Upper
 98 100
 100 64.2 50.4 75.6



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: 34.320 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

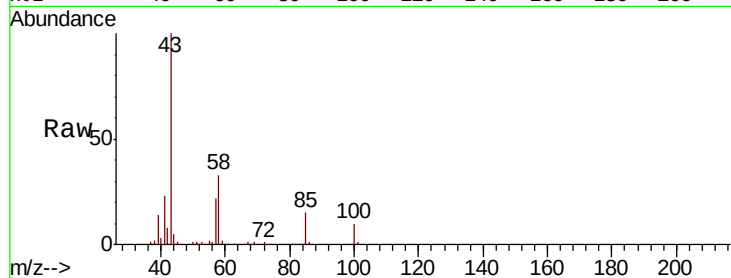
VSTDIC005

Tgt Ion: 43 Resp: 190142

Ion Ratio Lower Upper

43 100

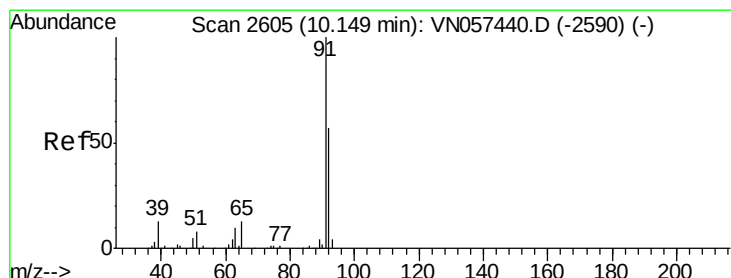
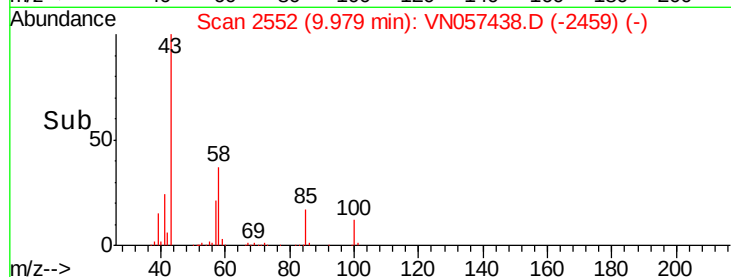
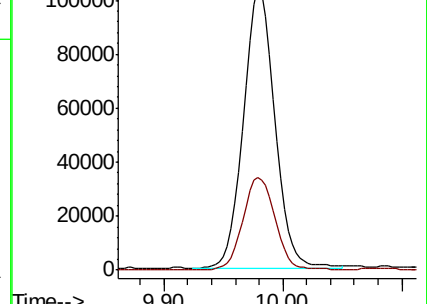
58 34.2 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-2536) (-)

9.98



#52

Toluene

Concen: 5.260 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057438.D

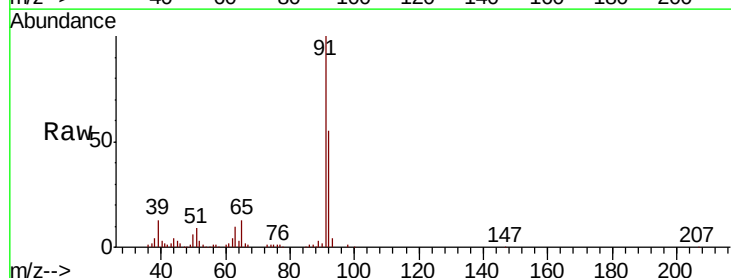
Acq: 22 Aug 2019 17:26

Tgt Ion: 92 Resp: 62473

Ion Ratio Lower Upper

92 100

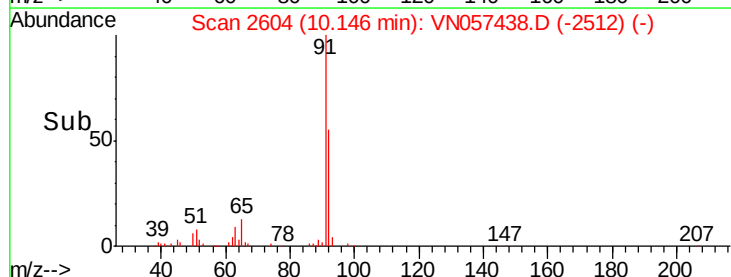
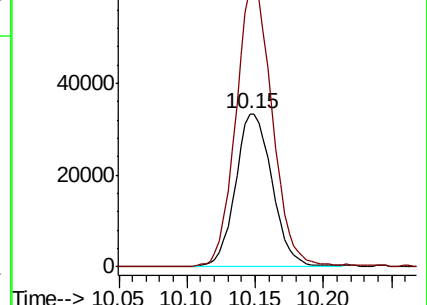
91 182.2 140.9 211.3

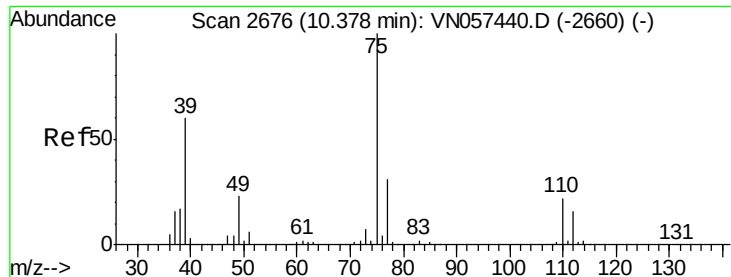


Abundance Ion 92.00 (91.70 to 92.70): VN057440.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057440.D (-2590) (-)

10.15





#53

t-1,3-Dichloropropene

Concen: 5.891 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

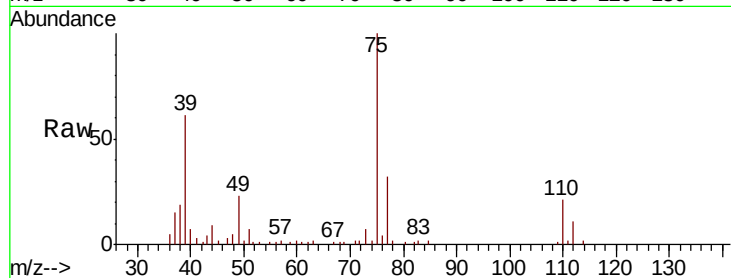
VSTDIC005

Tgt Ion: 75 Resp: 42162

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

25000

20000

15000

10000

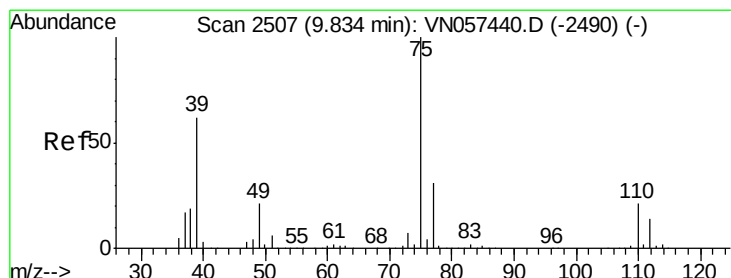
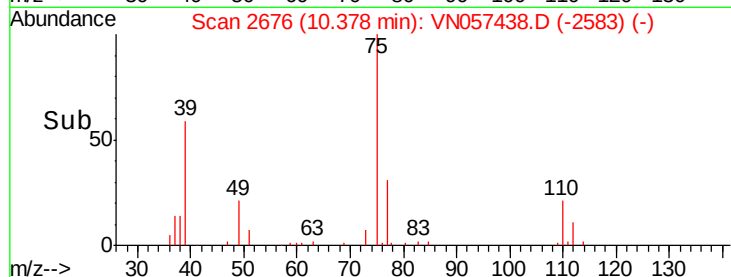
5000

0

Time-->

10.30

10.40



#54

cis-1,3-Dichloropropene

Concen: 6.123 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

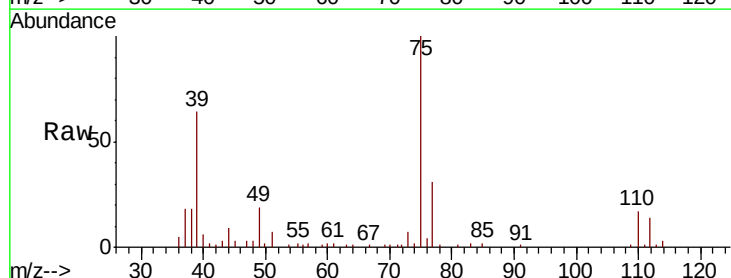
Tgt Ion: 75 Resp: 48203

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.6

39 61.4 49.2 73.8



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

9.83

30000

20000

10000

0

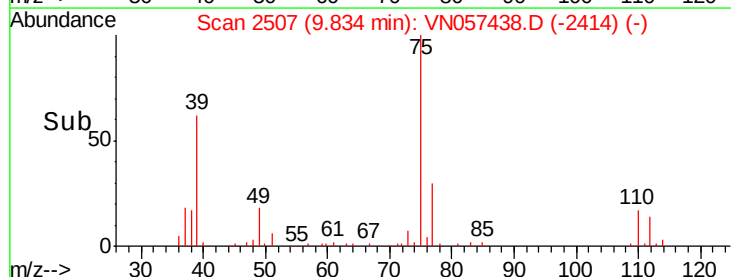
Time-->

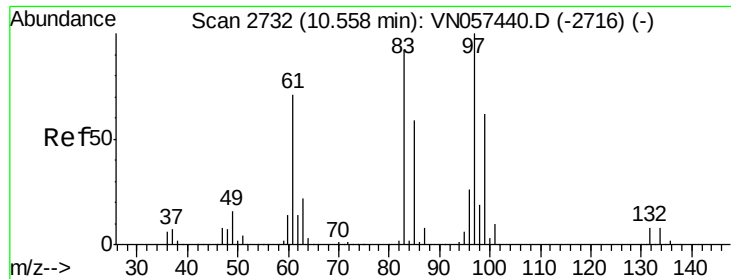
9.75

9.80

9.85

9.90

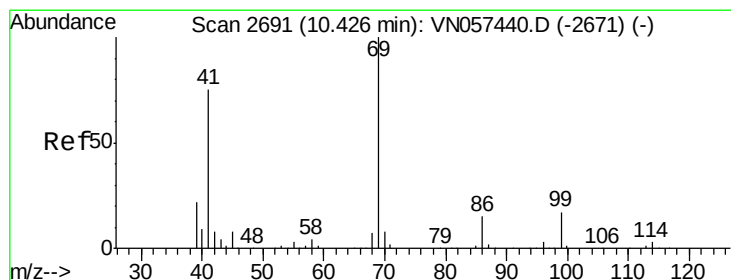
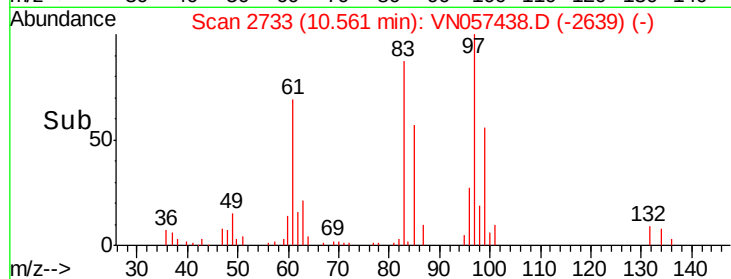
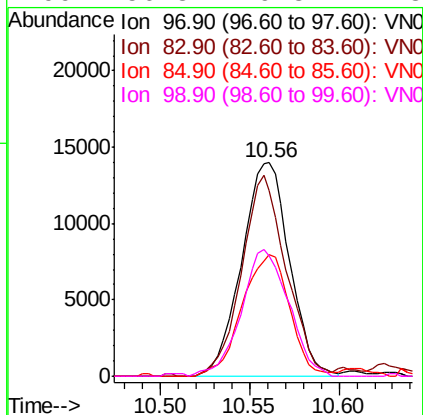
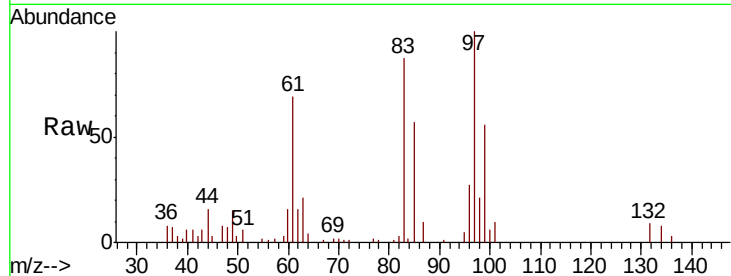




#55
 1,1,2-Trichloroethane
 Concen: 5.600 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

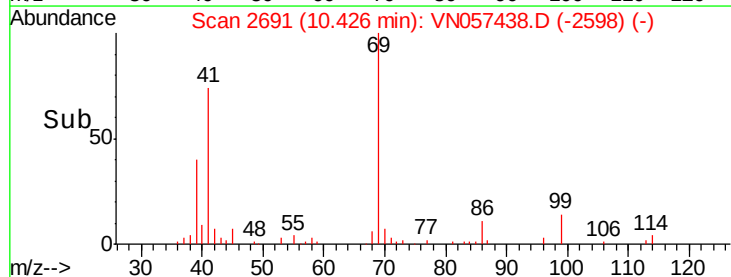
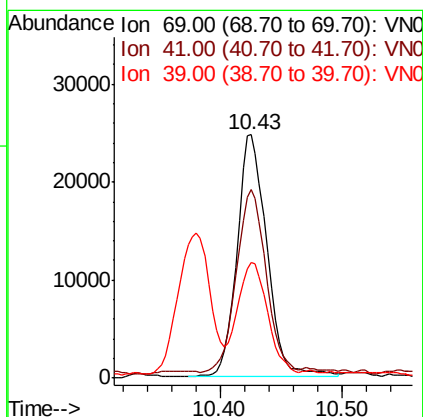
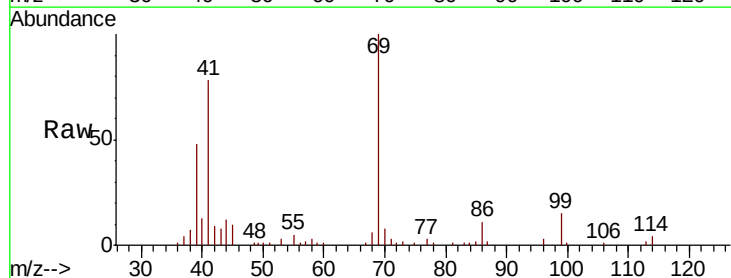
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

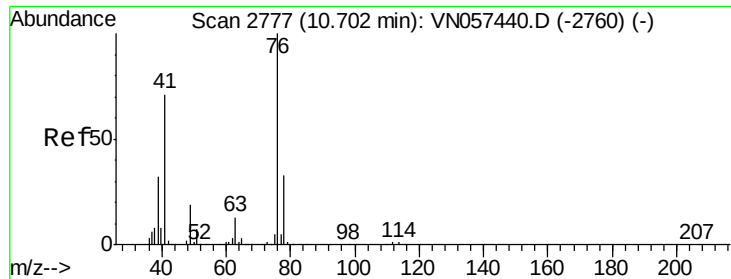
Tgt Ion:	97	Resp:	26136
Ion	Ratio	Lower	Upper
97	100		
83	87.2	73.7	110.5
85	56.8	46.8	70.2
99	56.3	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 6.000 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion:	69	Resp:	41491
Ion	Ratio	Lower	Upper
69	100		
41	74.9	60.8	91.2
39	45.8	36.5	54.7

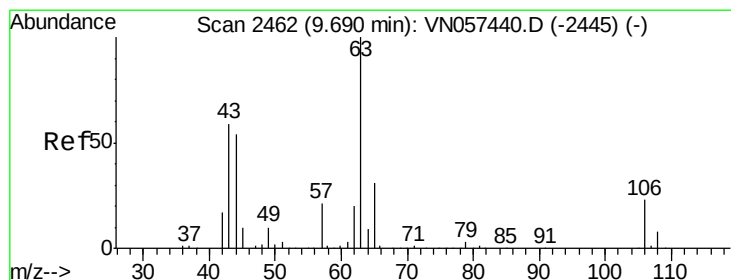
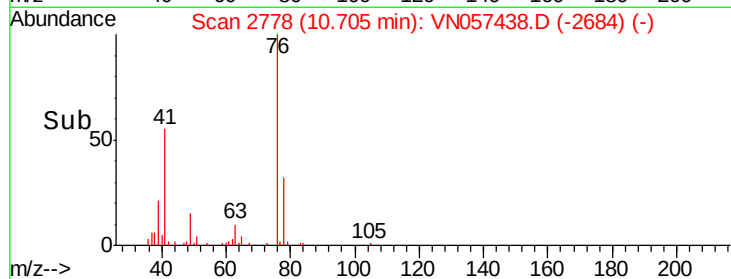
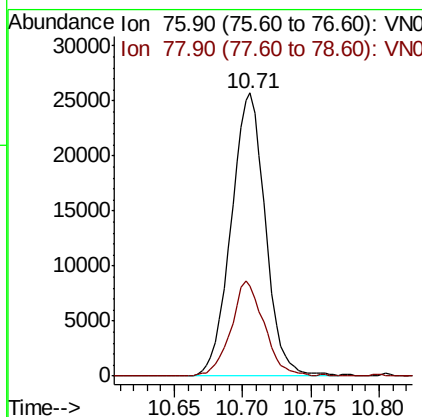
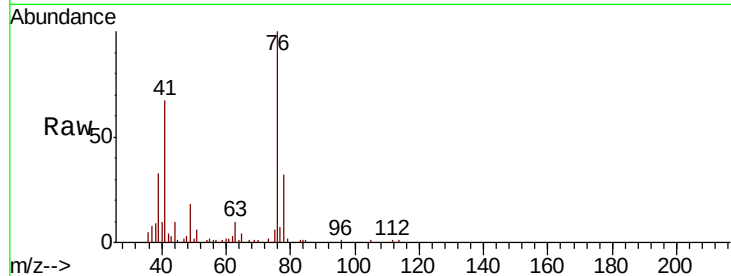




#57
 1,3-Dichloropropane
 Concen: 5.674 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

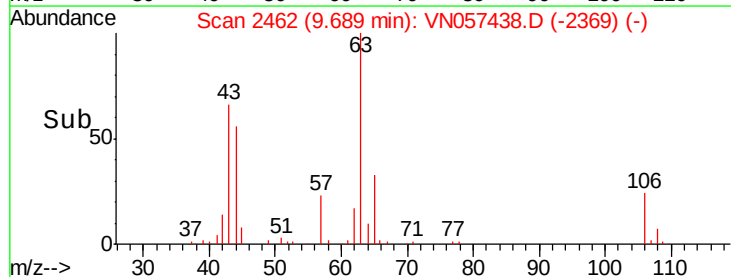
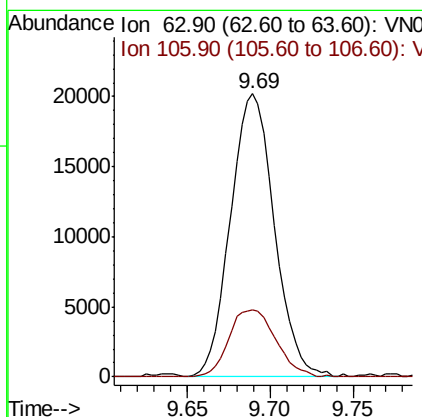
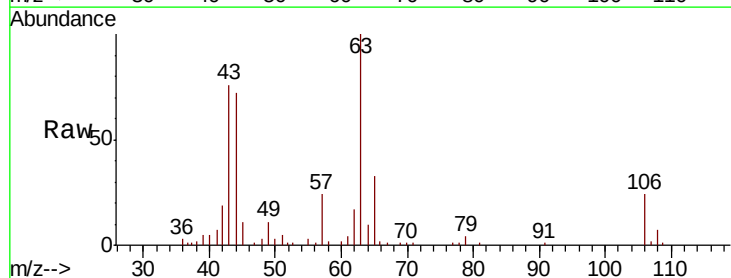
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

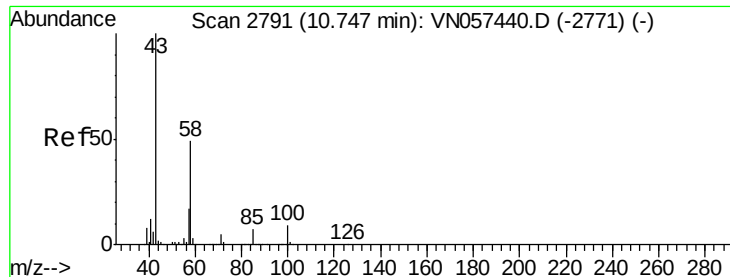
Tgt Ion: 76 Resp: 44779
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 20.926 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 63 Resp: 37132
 Ion Ratio Lower Upper
 63 100
 106 25.4 18.6 27.8

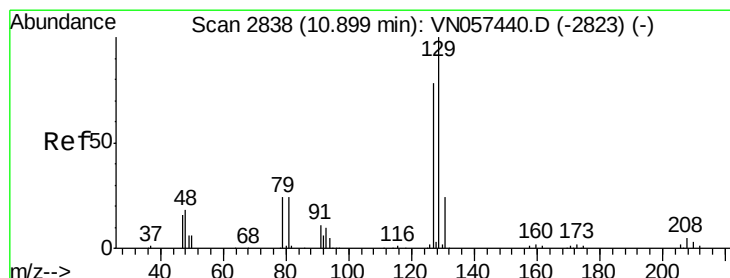
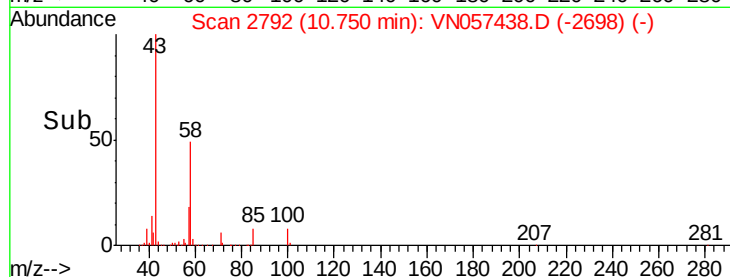
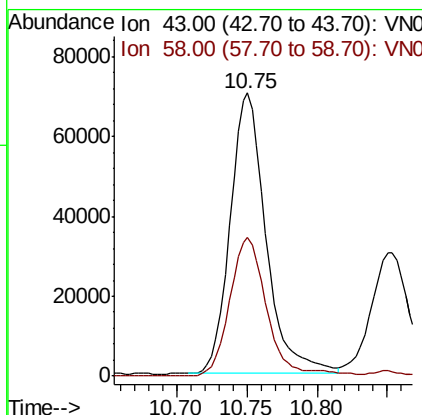
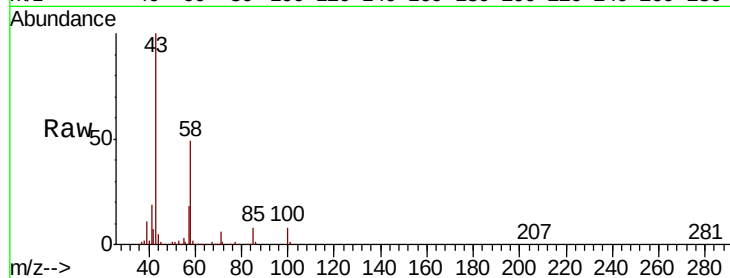




#59
2-Hexanone
Concen: 31.718 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

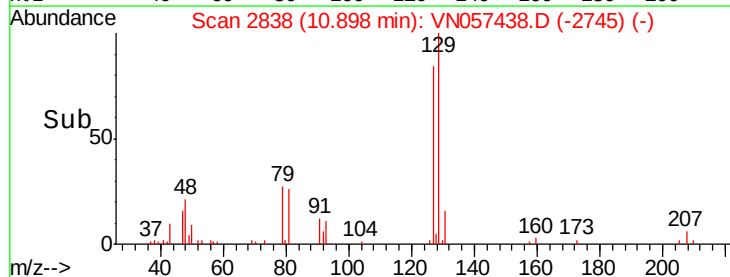
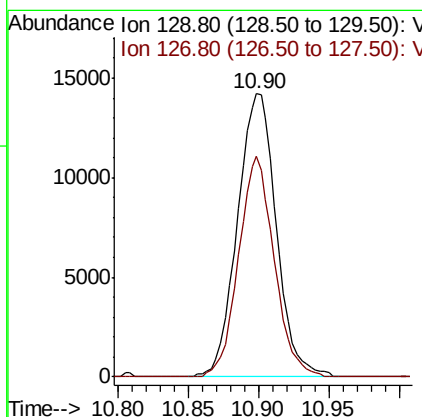
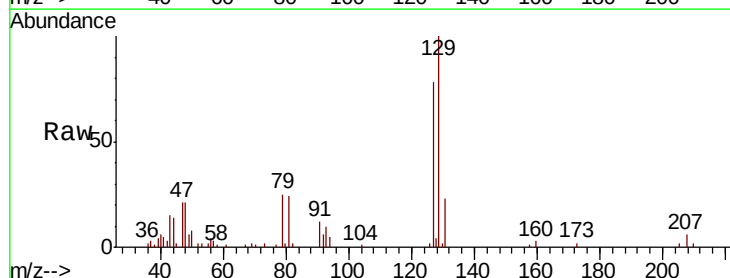
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

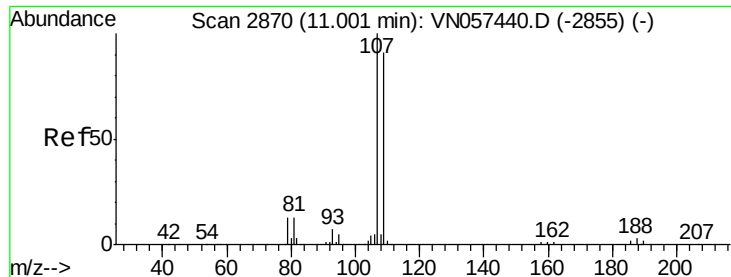
Tgt Ion: 43 Resp: 124834
Ion Ratio Lower Upper
43 100
58 51.2 24.6 73.6



#60
Dibromochloromethane
Concen: 5.302 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 129 Resp: 27466
Ion Ratio Lower Upper
129 100
127 71.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 4.998 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

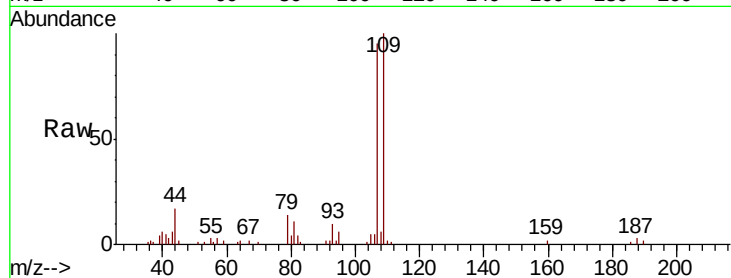
VSTDIC005

Tgt Ion: 107 Resp: 24691

Ion Ratio Lower Upper

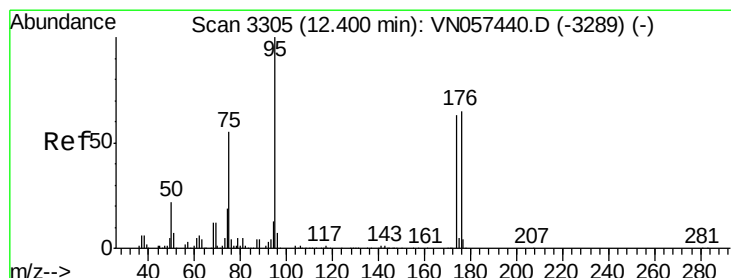
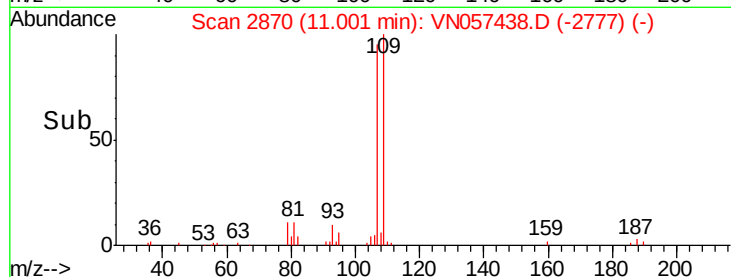
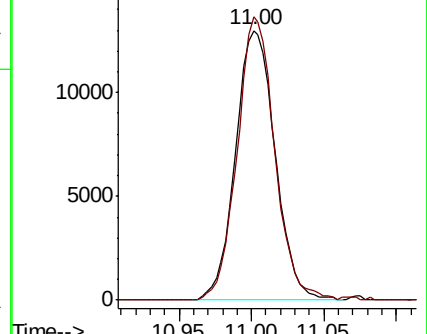
107 100

109 99.5 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.674 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

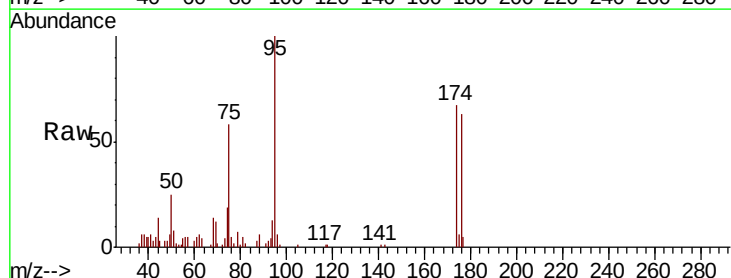
Tgt Ion: 95 Resp: 28282

Ion Ratio Lower Upper

95 100

174 68.9 0.0 133.0

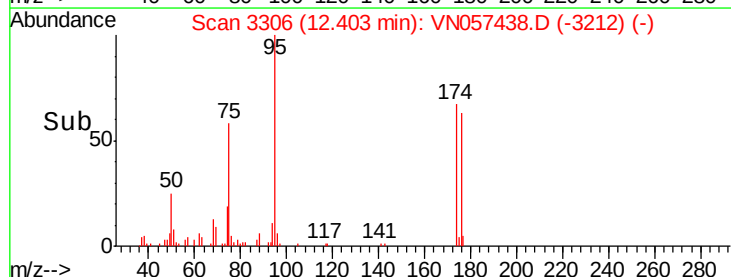
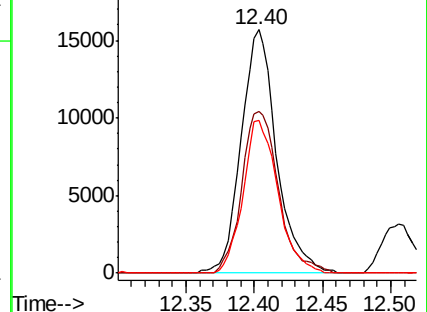
176 61.7 0.0 130.8

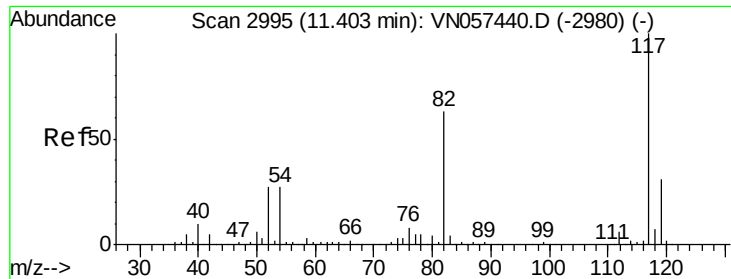


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

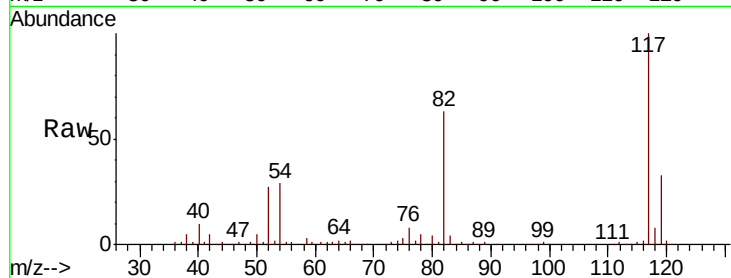




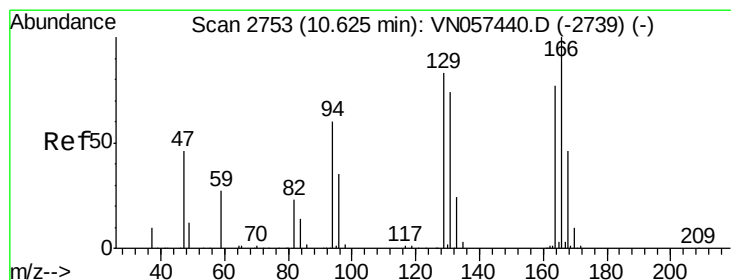
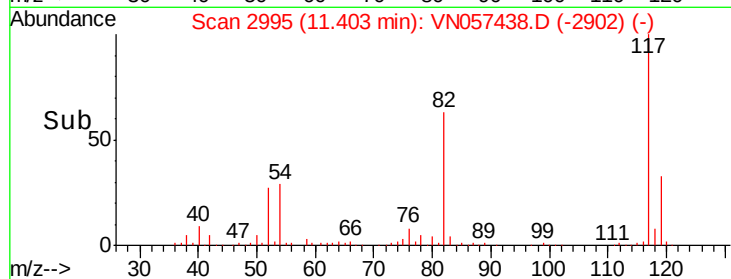
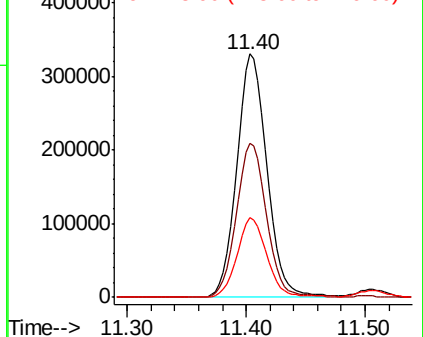
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 579346
Ion Ratio Lower Upper
117 100
82 63.5 50.6 75.8
119 32.5 24.6 36.8

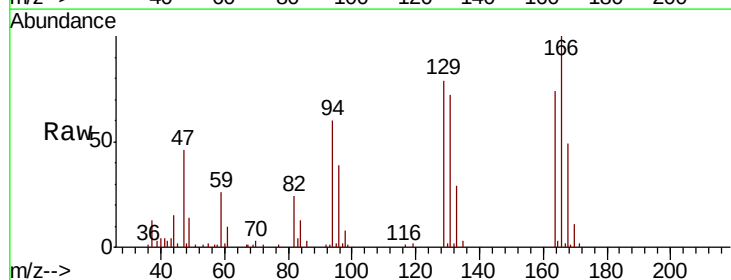


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

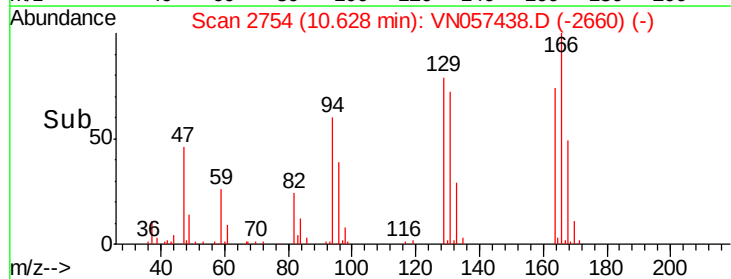
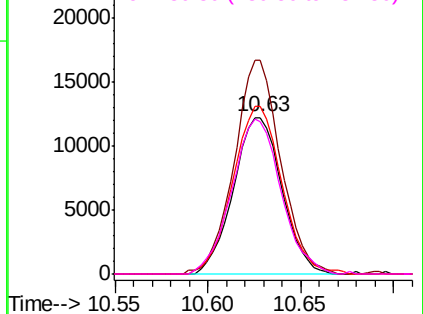


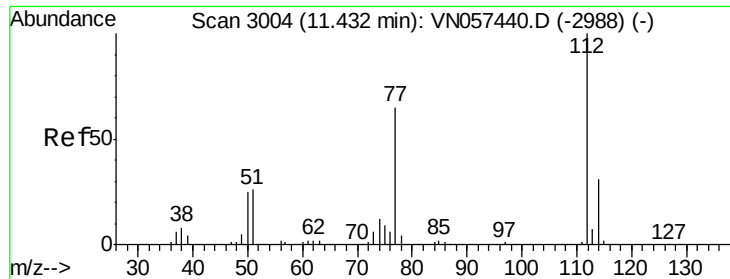
#64
Tetrachloroethene
Concen: 4.557 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion:164 Resp: 22118
Ion Ratio Lower Upper
164 100
166 136.0 104.4 156.6
129 107.3 86.6 130.0
131 97.3 77.6 116.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

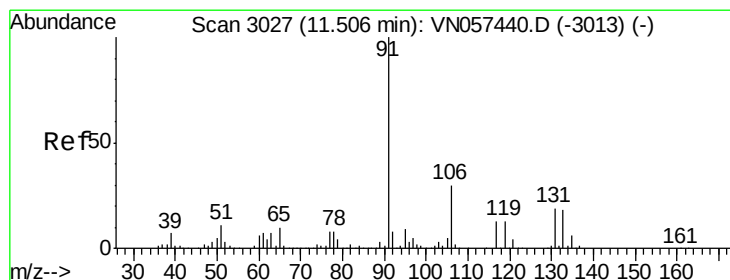
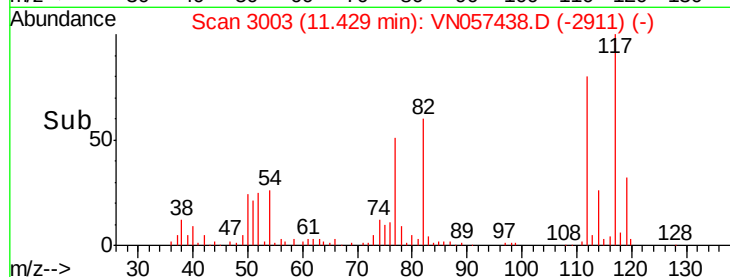
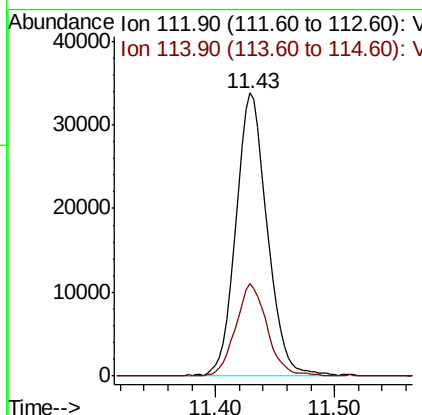
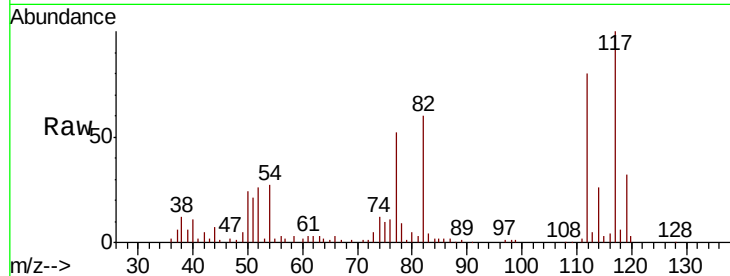




#65
Chlorobenzene
Concen: 5.257 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

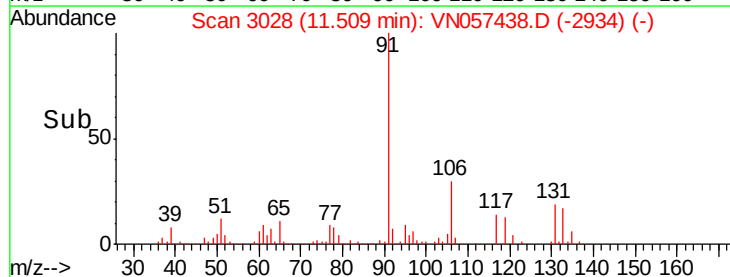
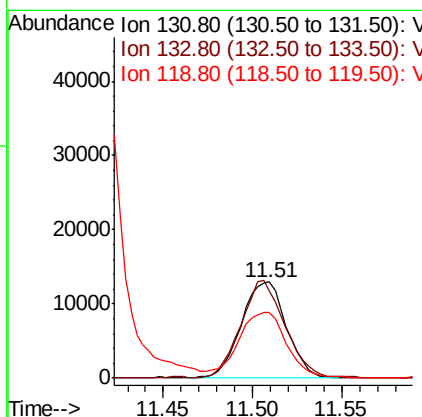
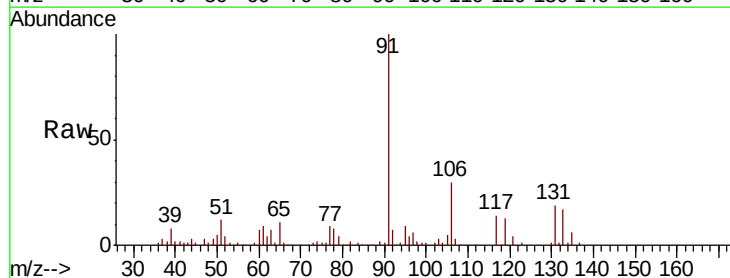
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

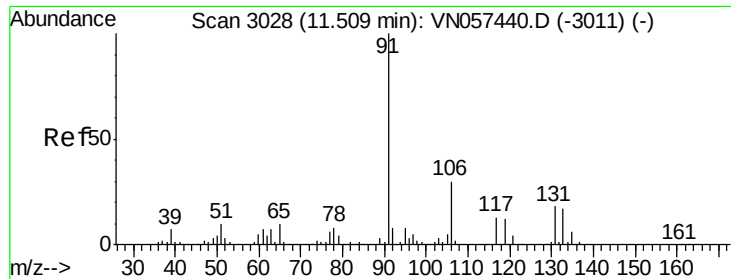
Tgt Ion:112 Resp: 61625
Ion Ratio Lower Upper
112 100
114 32.6 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.107 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion:131 Resp: 22889
Ion Ratio Lower Upper
131 100
133 99.7 47.6 142.8
119 73.4 34.4 103.2

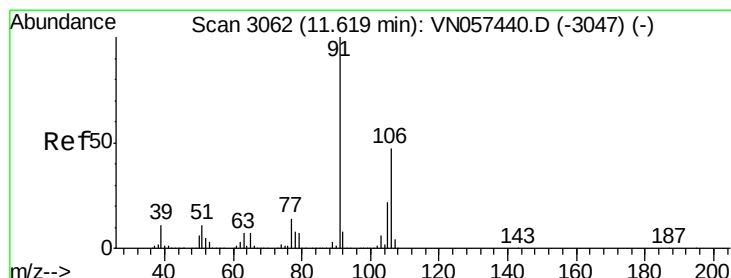
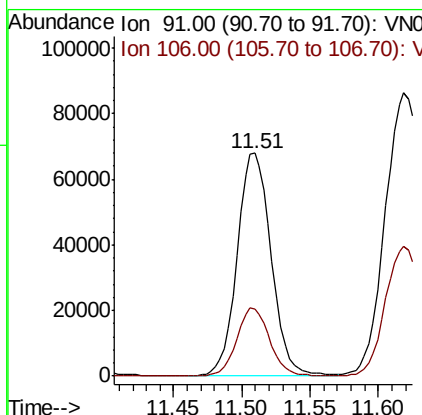
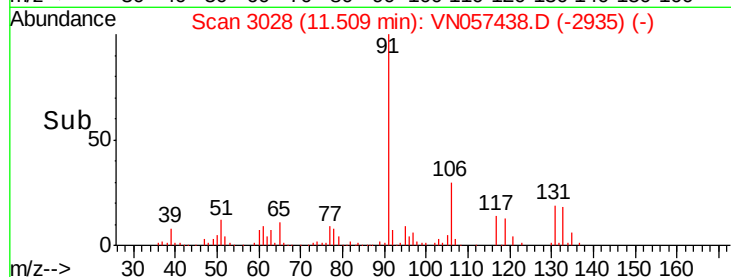
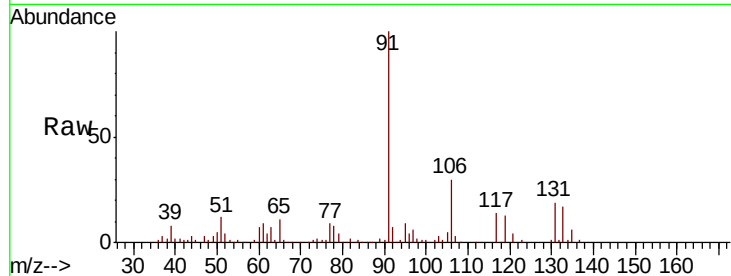




#67
Ethyl Benzene
Concen: 5.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

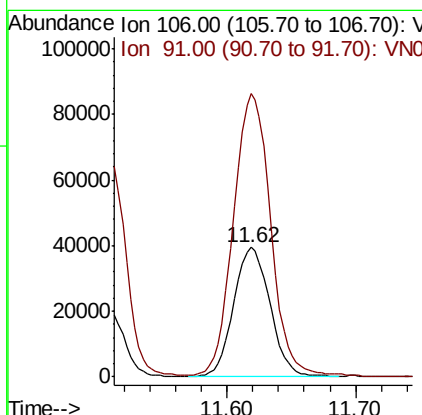
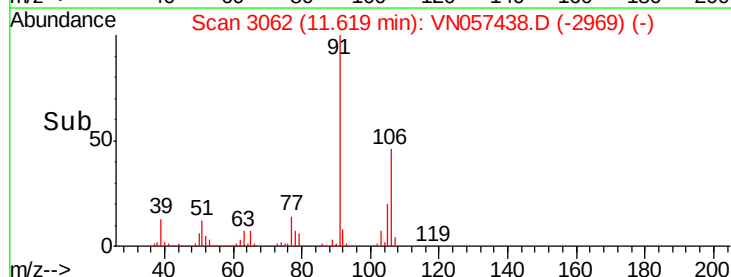
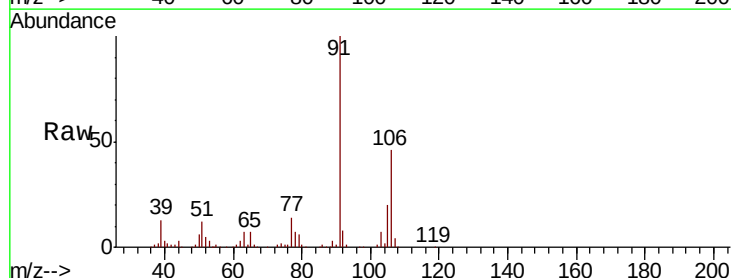
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

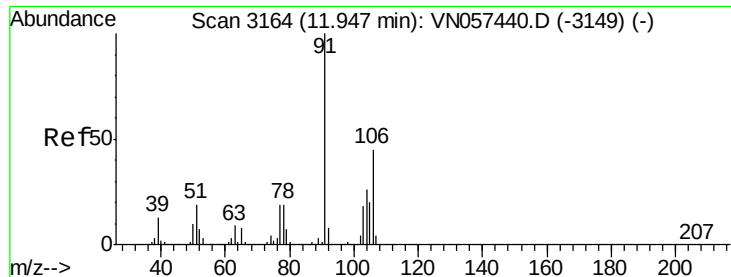
Tgt Ion: 91 Resp: 116823
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 10.231 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion: 106 Resp: 77958
Ion Ratio Lower Upper
106 100
91 222.3 171.8 257.6

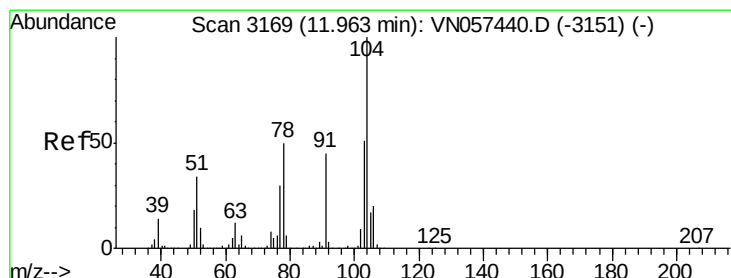
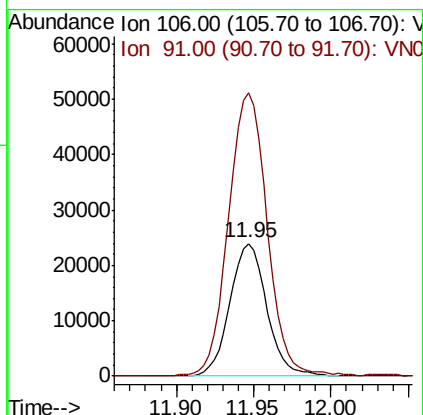
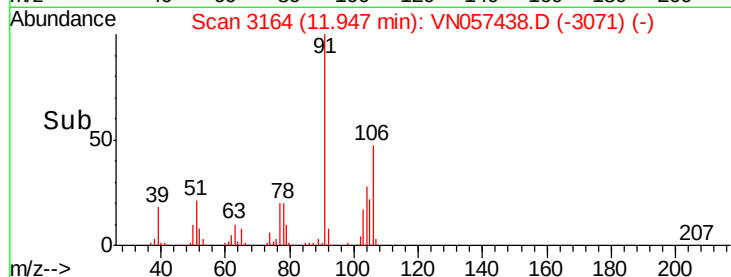
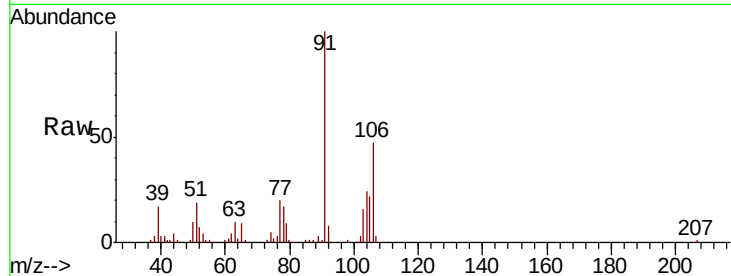




#69
o-Xylene
Concen: 5.278 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

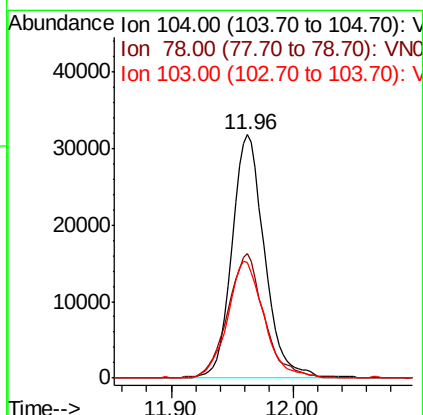
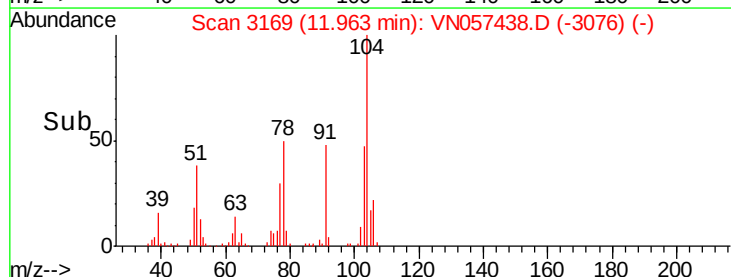
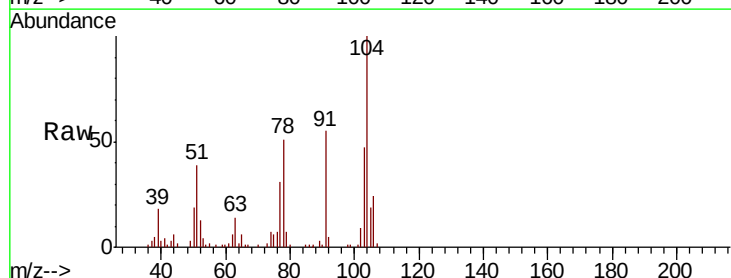
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

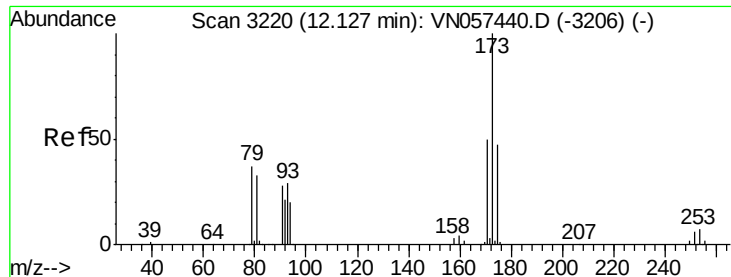
Tgt Ion:106 Resp: 39534
Ion Ratio Lower Upper
106 100
91 225.1 112.3 336.9



#70
Styrene
Concen: 4.931 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion:104 Resp: 58894
Ion Ratio Lower Upper
104 100
78 57.7 44.7 67.1
103 54.0 44.4 66.6





#71

Bromoform

Concen: 4.463 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

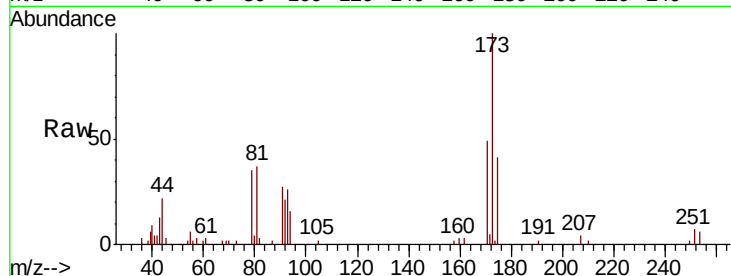
Tgt Ion:173 Resp: 15424

Ion Ratio Lower Upper

173 100

175 42.7 23.9 71.8

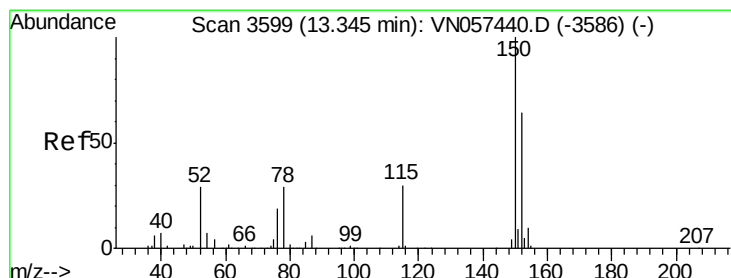
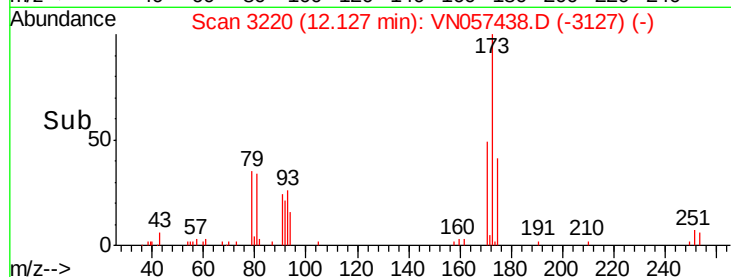
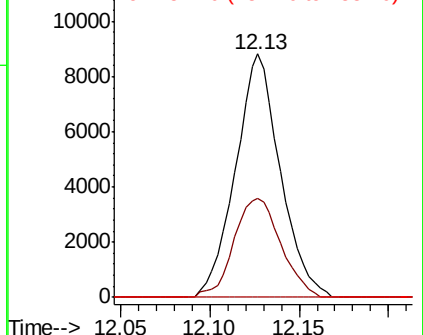
254 0.0 0.1 0.1#



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: VN057438.D

Acq: 22 Aug 2019 17:26

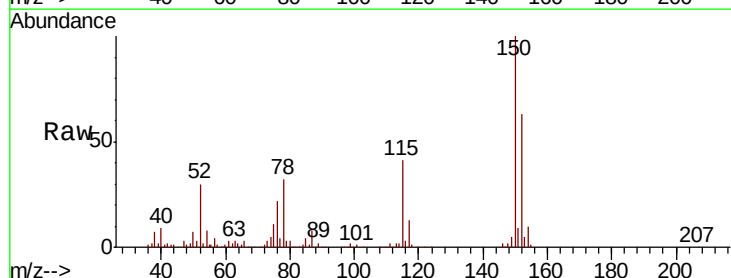
Tgt Ion:152 Resp: 152871

Ion Ratio Lower Upper

152 100

115 62.9 32.0 96.0

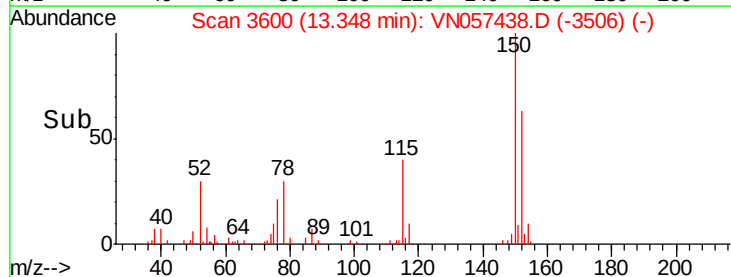
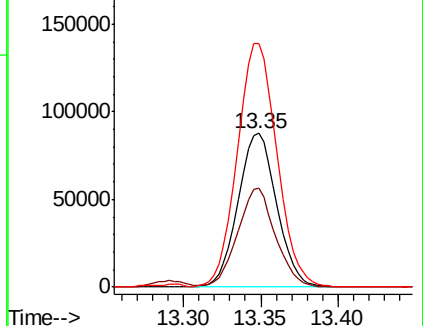
150 162.3 0.0 346.6

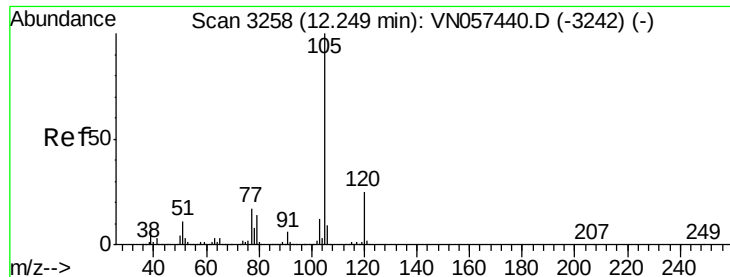


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 7.012 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

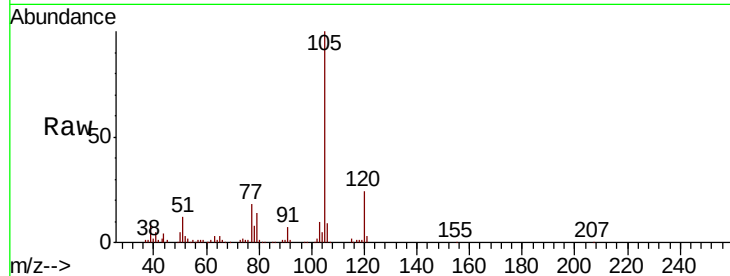
VSTDIC005

Tgt Ion: 105 Resp: 105128

Ion Ratio Lower Upper

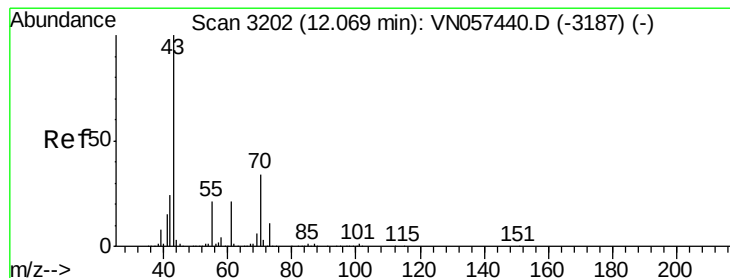
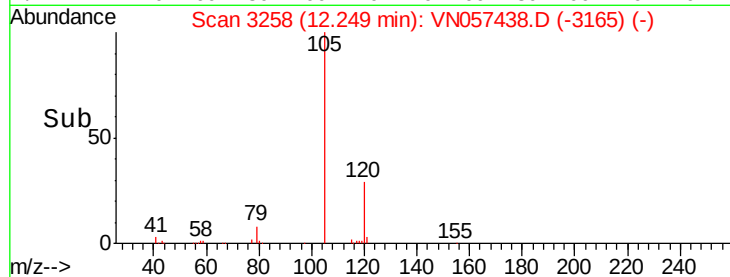
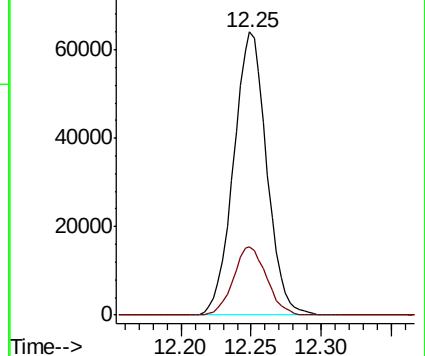
105 100

120 24.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.469 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Tgt Ion: 43 Resp: 50628

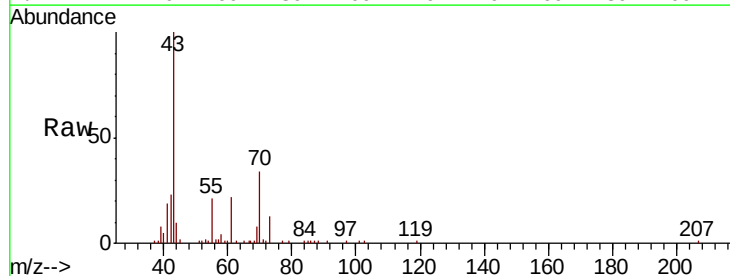
Ion Ratio Lower Upper

43 100

70 33.5 27.8 41.6

55 20.1 17.0 25.4

61 23.4 17.0 25.6

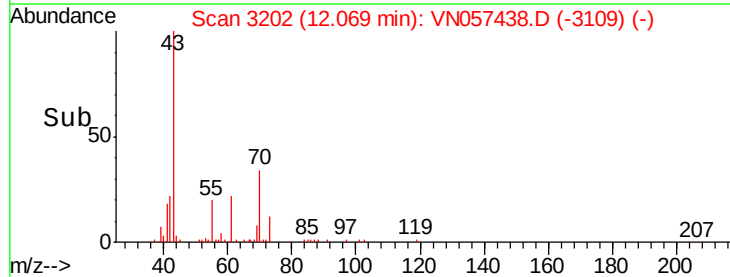
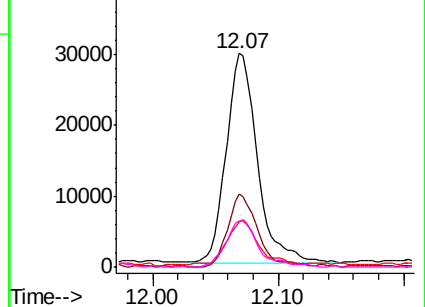


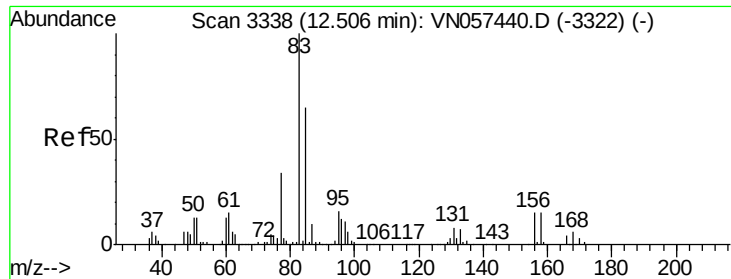
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 6.952 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

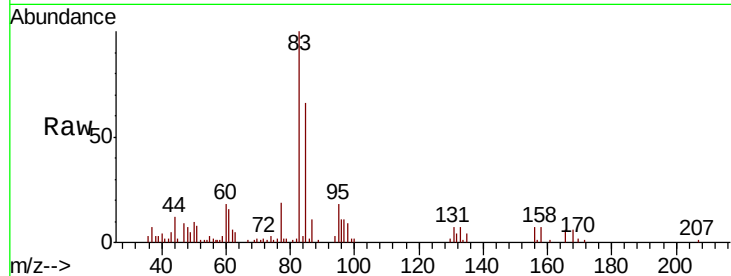
Tgt Ion: 83 Resp: 30475

Ion Ratio Lower Upper

83 100

131 8.8 4.3 13.1

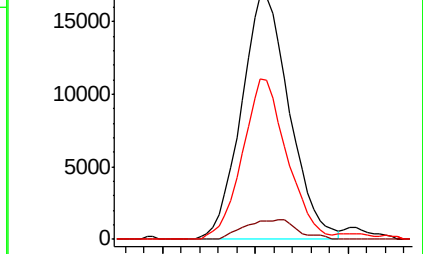
85 60.7 32.3 96.8



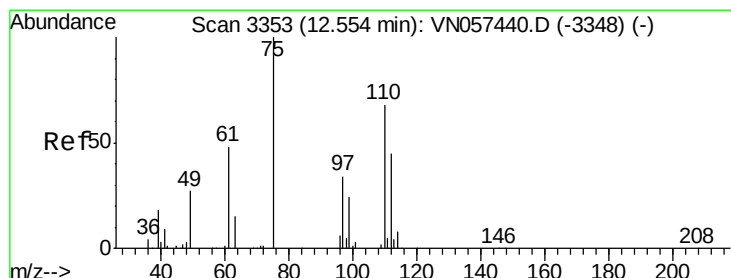
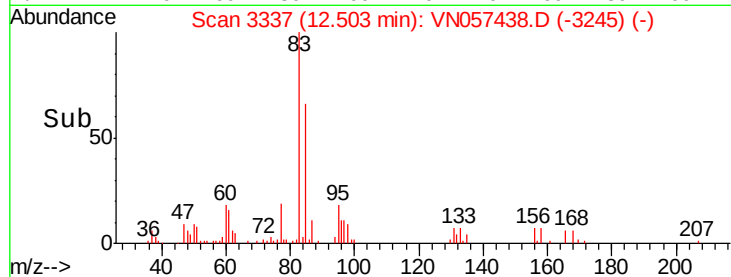
Abundance Ion 82.90 (82.60 to 83.60): VN057440.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057440.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057440.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 10.475 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057438.D

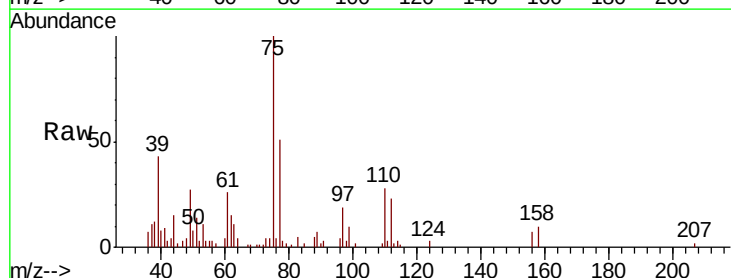
Acq: 22 Aug 2019 17:26

Tgt Ion: 75 Resp: 39378

Ion Ratio Lower Upper

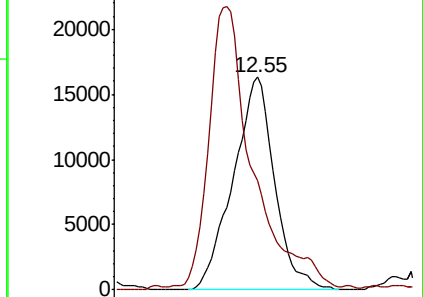
75 100

77 0.0 0.0 0.0

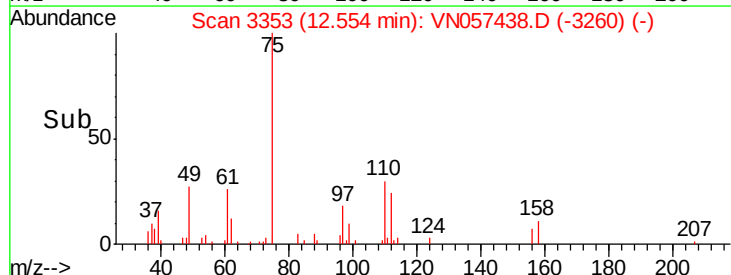


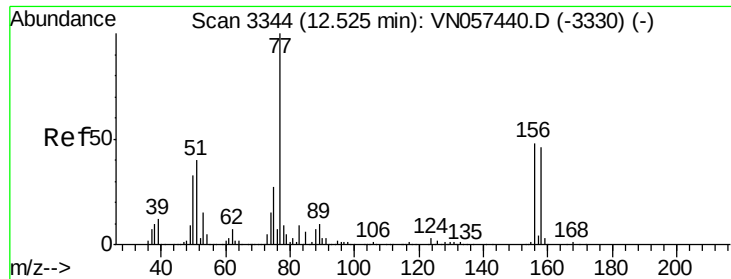
Abundance Ion 74.90 (74.60 to 75.60): VN057440.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN057440.D (-3348) (-)



Time-->





#77

Bromobenzene

Concen: 5.197 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

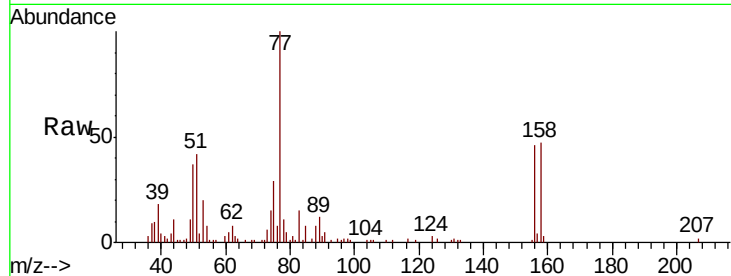
Tgt Ion:156 Resp: 19655

Ion Ratio Lower Upper

156 100

77 276.7 124.4 373.3

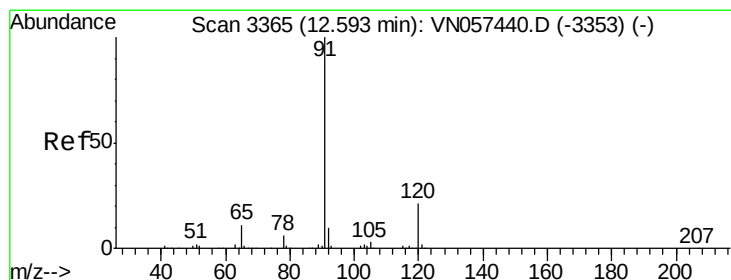
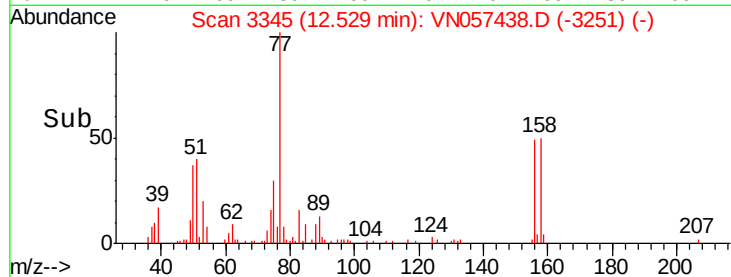
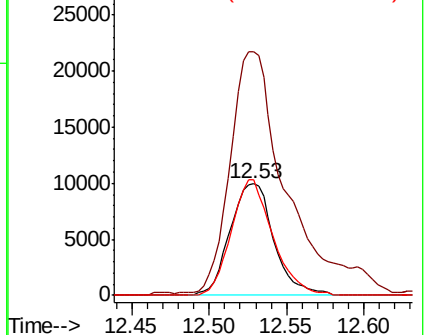
158 97.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 6.917 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057438.D

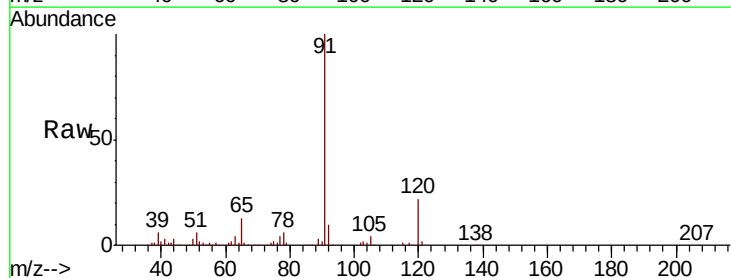
Acq: 22 Aug 2019 17:26

Tgt Ion: 91 Resp: 104446

Ion Ratio Lower Upper

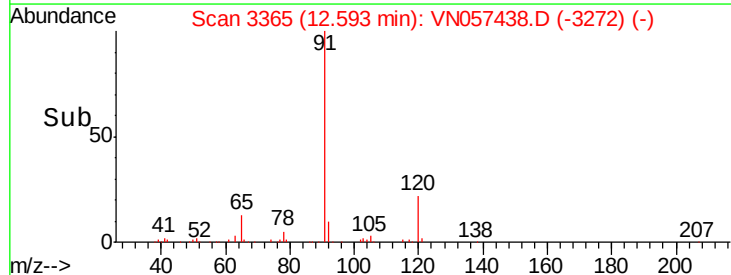
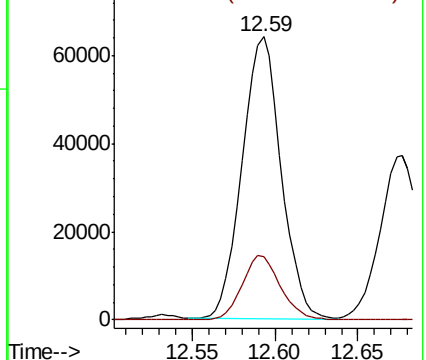
91 100

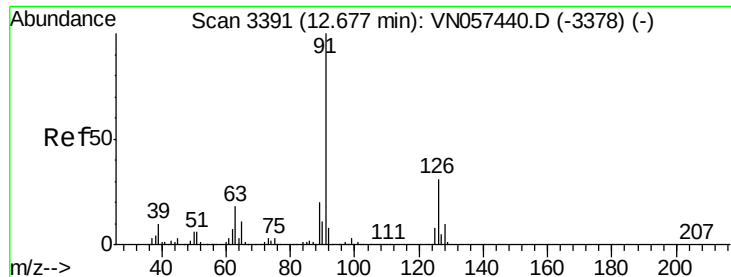
120 22.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

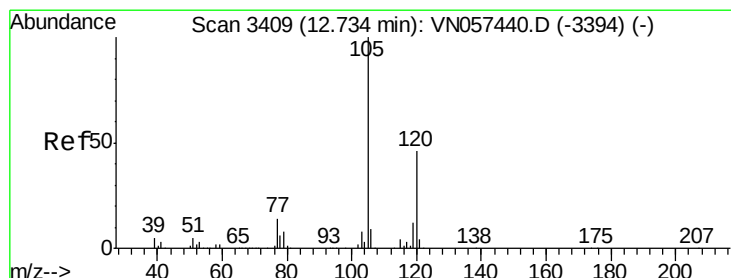
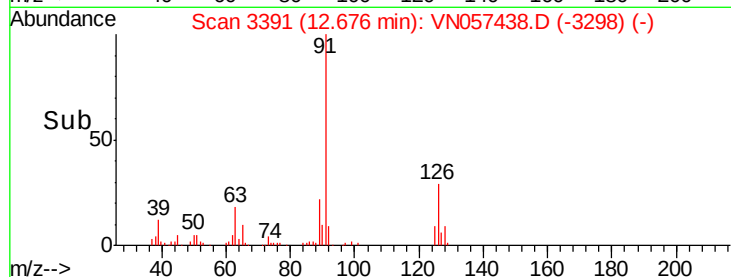
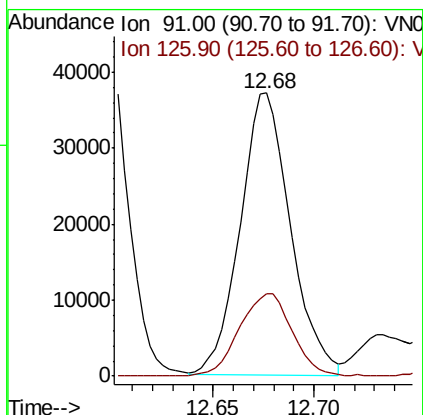
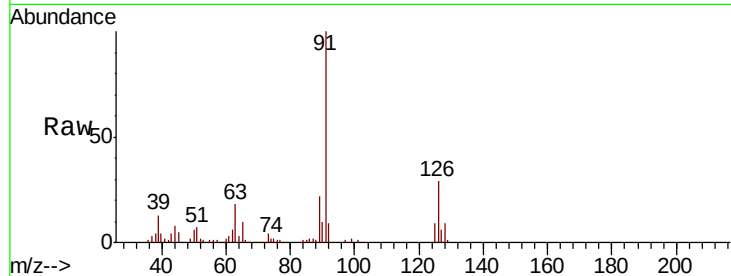




#79
 2-Chlorotoluene
 Concen: 6.714 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

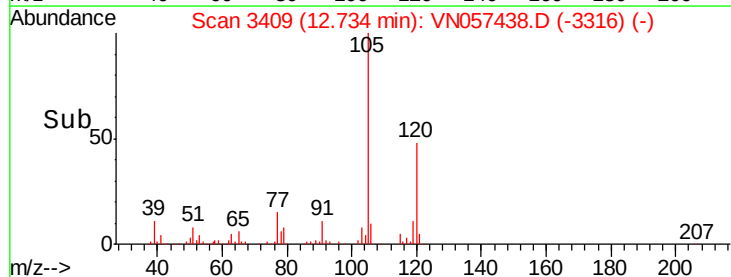
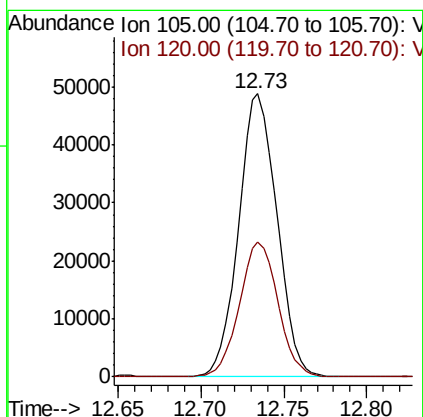
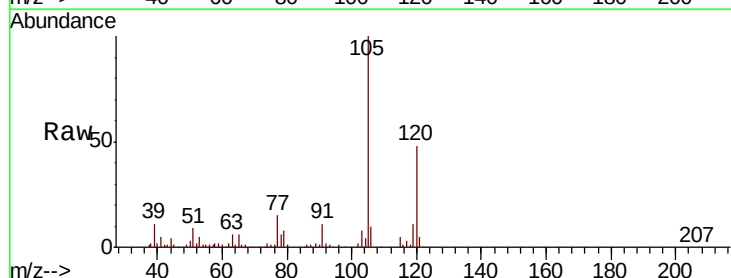
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

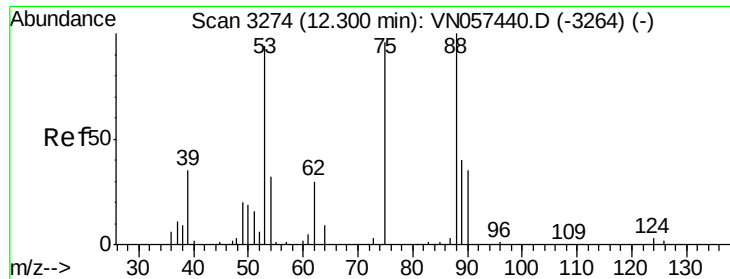
Tgt Ion: 91 Resp: 64734
 Ion Ratio Lower Upper
 91 100
 126 30.7 15.3 45.8



#80
 1,3,5-Trimethylbenzene
 Concen: 6.521 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 105 Resp: 78634
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 7.635 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

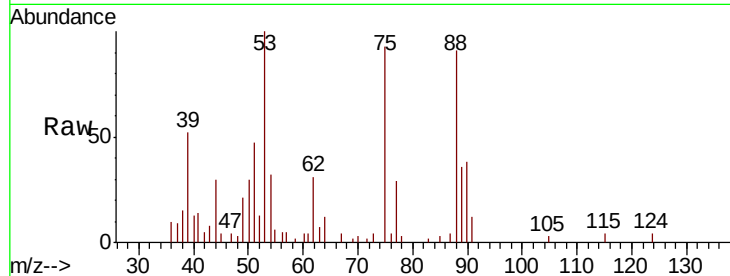
Tgt Ion: 75 Resp: 9802

Ion Ratio Lower Upper

75 100

53 104.7 82.7 124.1

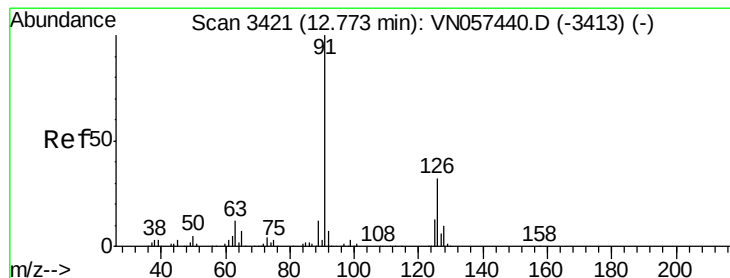
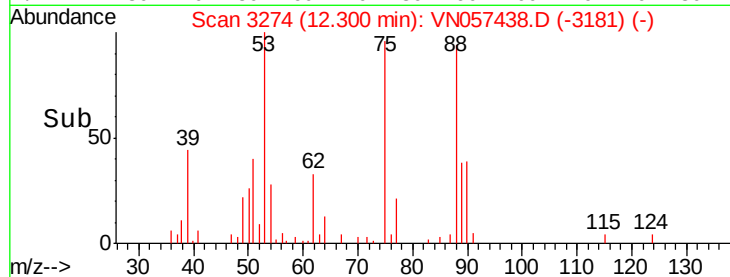
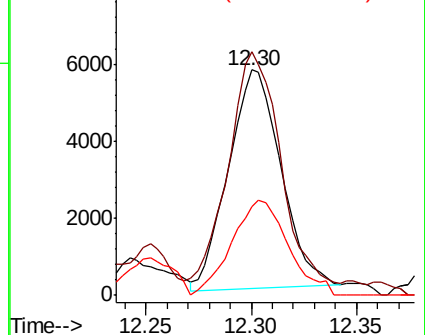
89 46.8 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 6.452 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057438.D

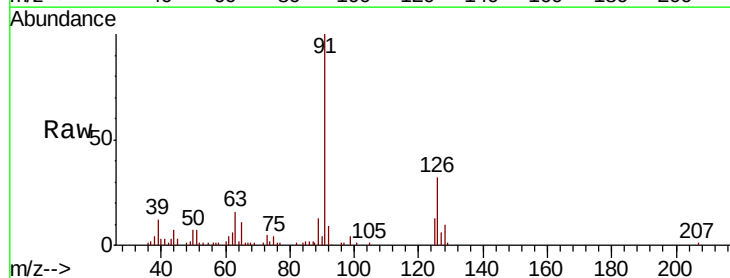
Acq: 22 Aug 2019 17:26

Tgt Ion: 91 Resp: 57484

Ion Ratio Lower Upper

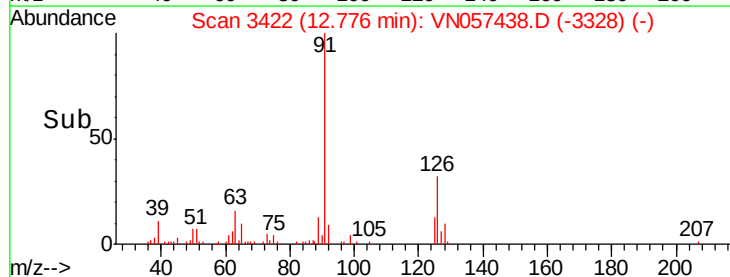
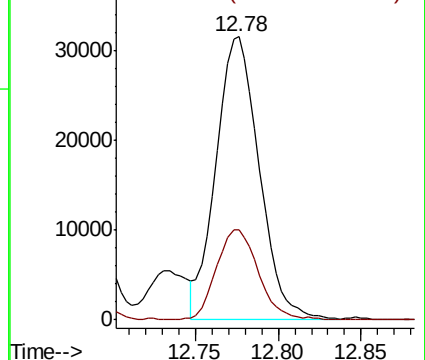
91 100

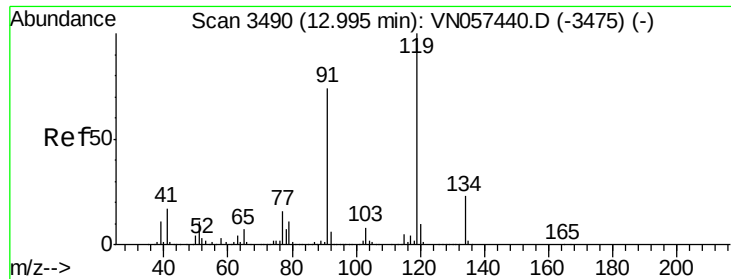
126 30.9 15.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

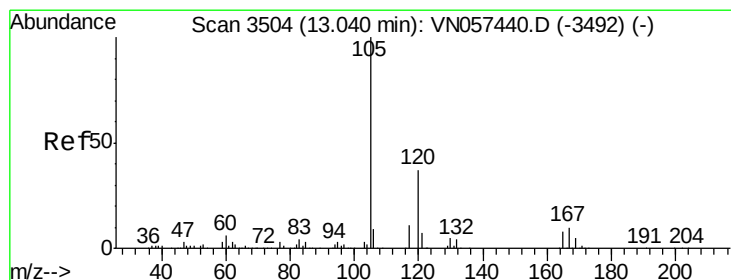
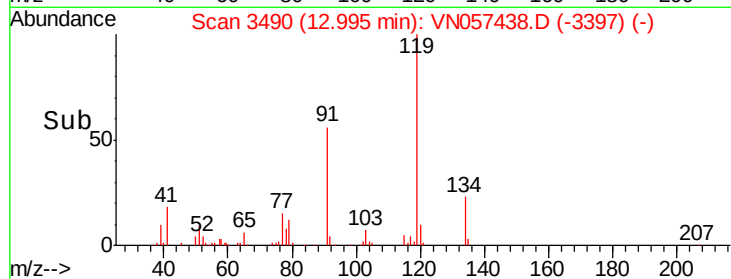
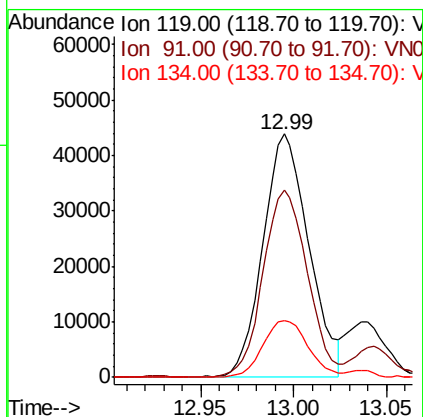
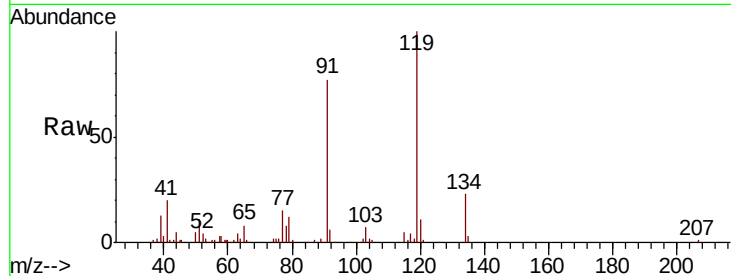




#83
 tert-Butylbenzene
 Concen: 6.852 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

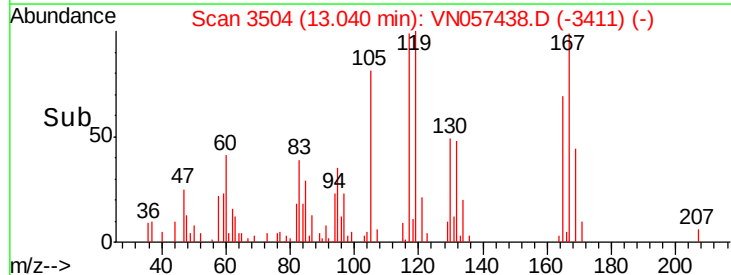
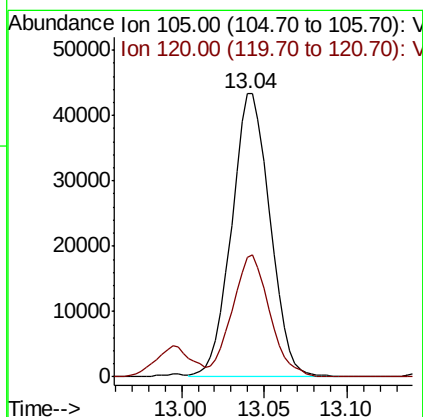
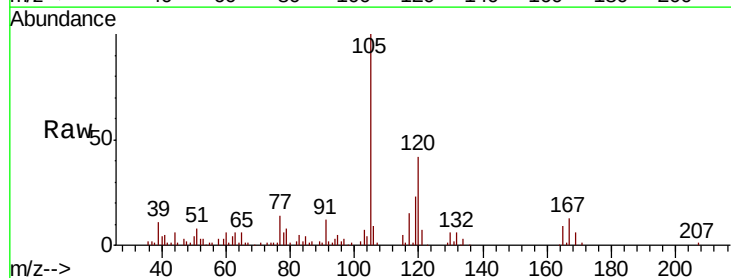
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

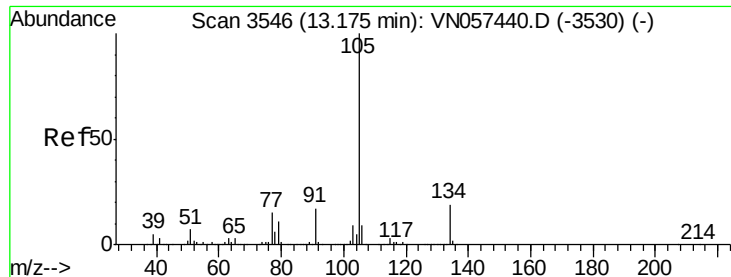
Tgt Ion:119 Resp: 76017
 Ion Ratio Lower Upper
 119 100
 91 74.4 37.0 111.0
 134 23.1 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 6.260 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion:105 Resp: 70095
 Ion Ratio Lower Upper
 105 100
 120 42.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 6.453 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

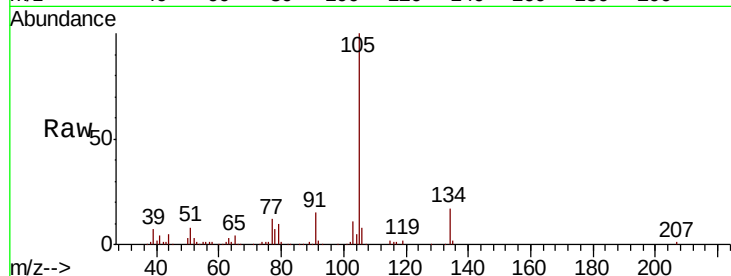
VSTDIC005

Tgt Ion:105 Resp: 86562

Ion Ratio Lower Upper

105 100

134 19.3 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

60000

50000

40000

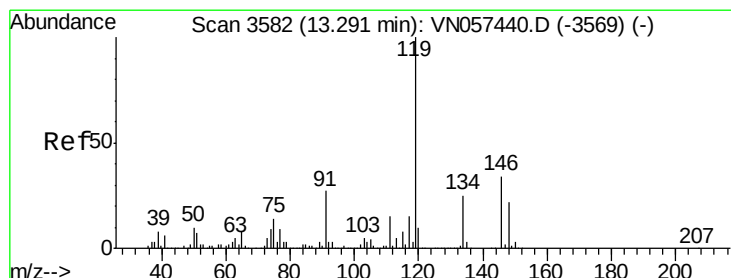
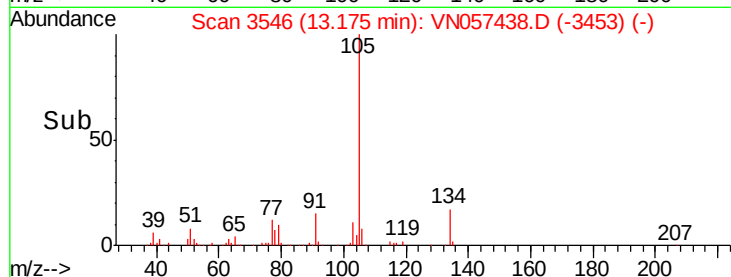
30000

20000

10000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 6.224 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

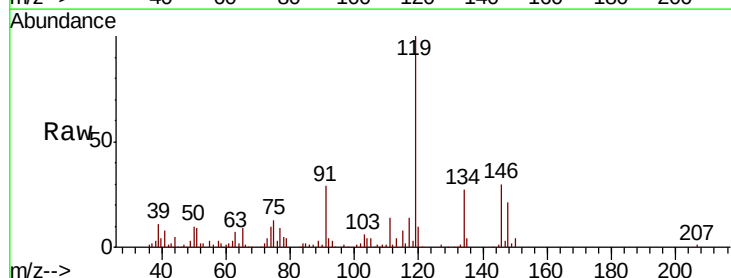
Tgt Ion:119 Resp: 70874

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 27.7 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

60000

50000

40000

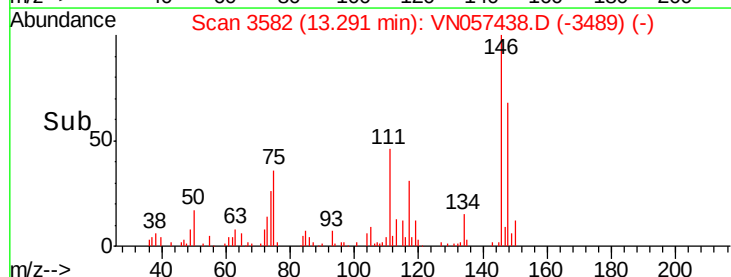
30000

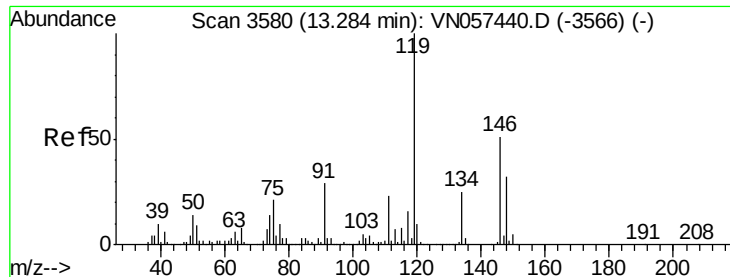
20000

10000

0

Time--> 13.25 13.30 13.35

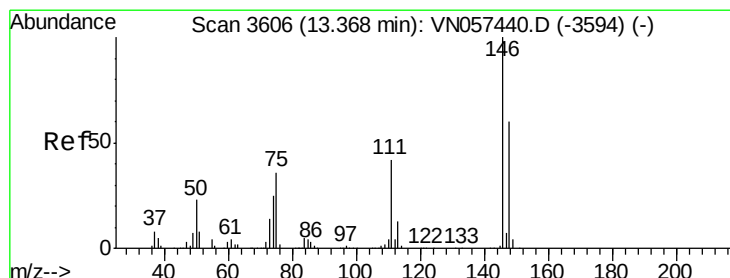
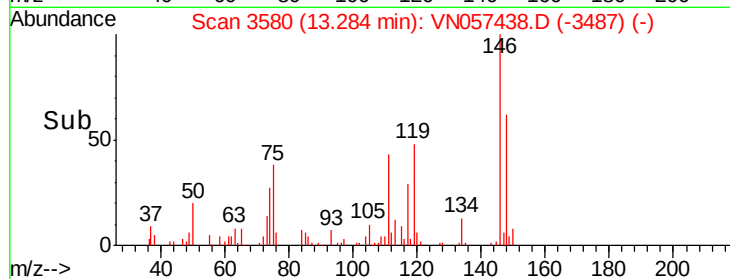
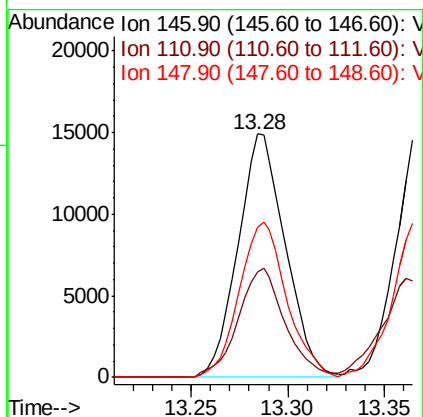
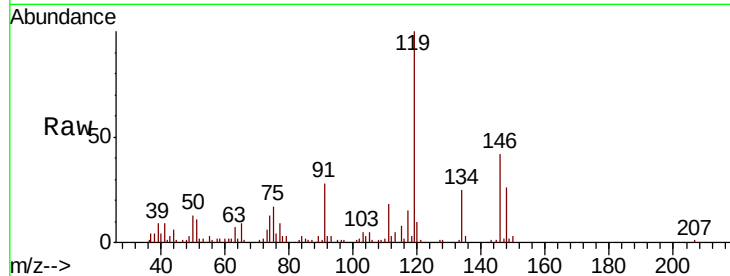




#87
 1,3-Dichlorobenzene
 Concen: 4.814 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

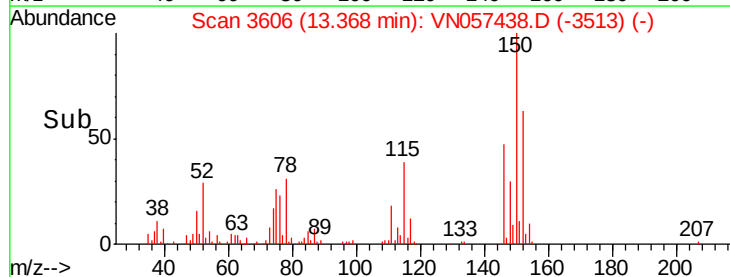
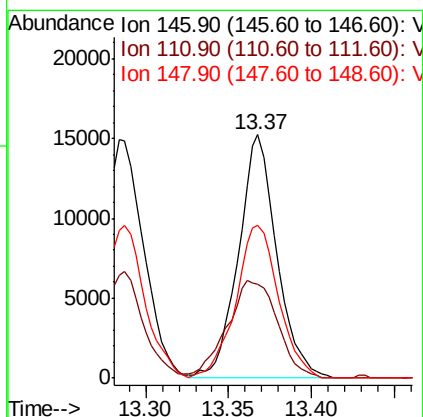
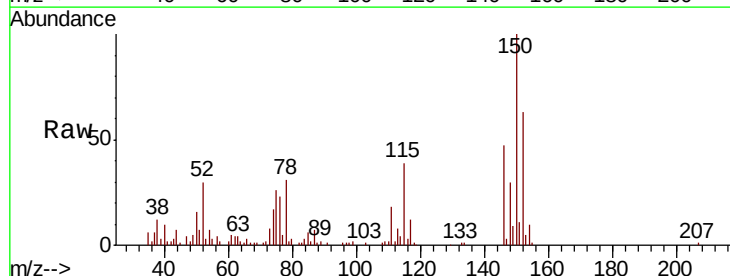
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

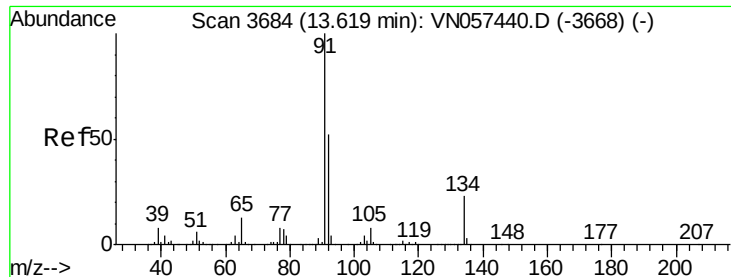
Tgt Ion:146 Resp: 25374
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.1 66.1
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 4.853 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion:146 Resp: 24466
 Ion Ratio Lower Upper
 146 100
 111 52.8 21.9 65.5
 148 70.2 31.1 93.2





#89

n-Butylbenzene

Concen: 6.819 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

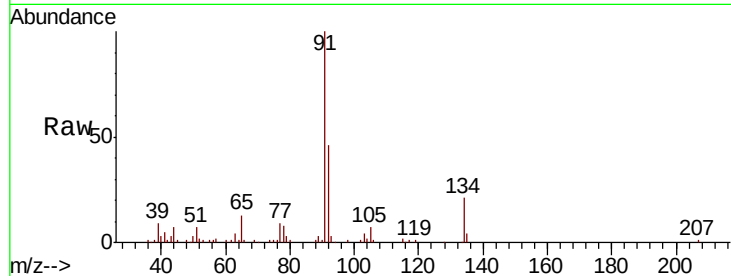
Tgt Ion: 91 Resp: 57112

Ion Ratio Lower Upper

91 100

92 49.3 25.7 77.0

134 23.4 11.4 34.1

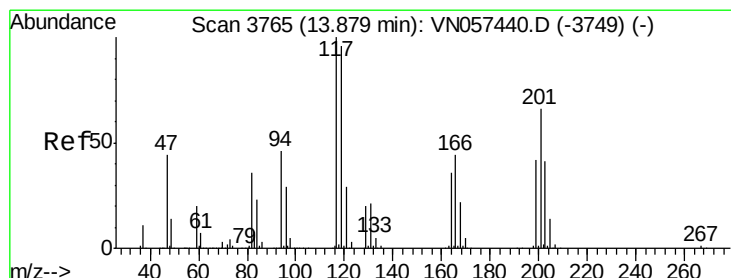
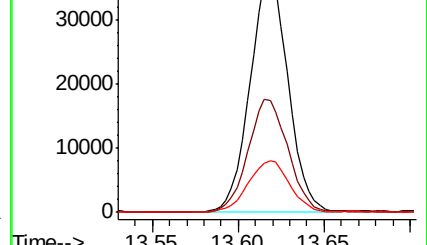
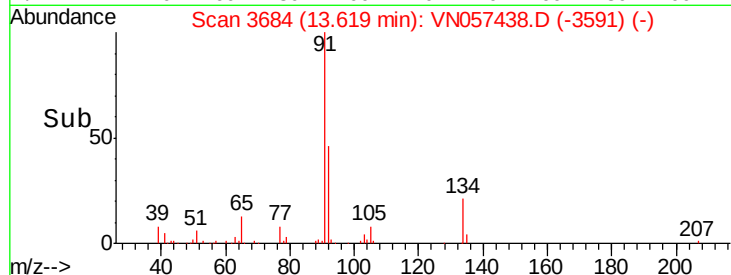


Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057440.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057440.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 7.198 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057438.D

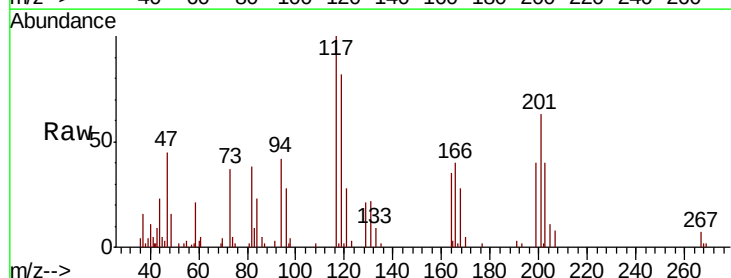
Acq: 22 Aug 2019 17:26

Tgt Ion: 117 Resp: 17114

Ion Ratio Lower Upper

117 100

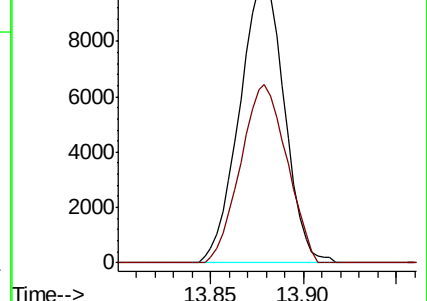
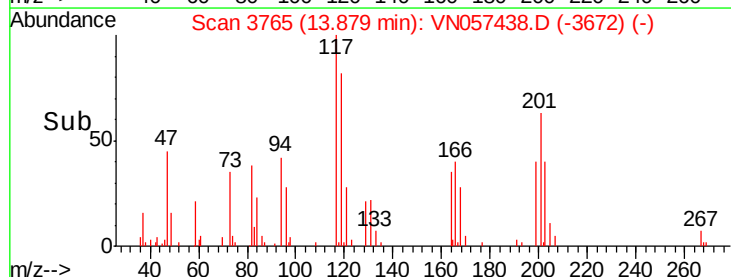
201 65.2 33.1 99.3

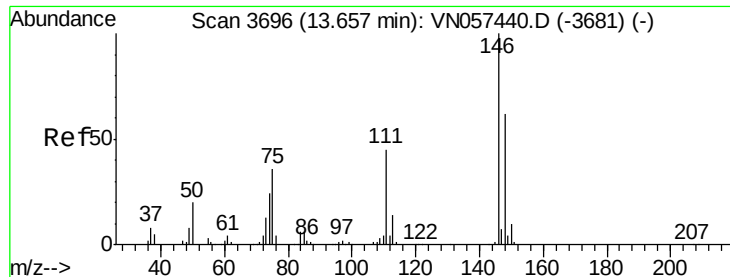


Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057440.D (-3749) (-)

Time-->

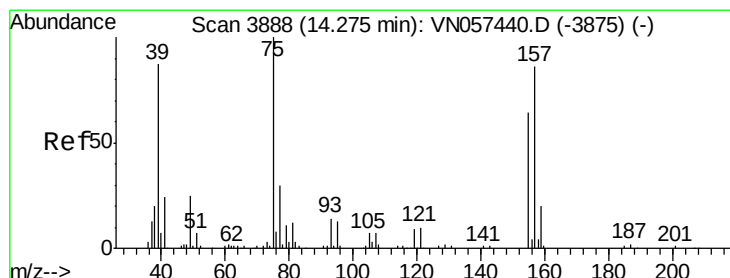
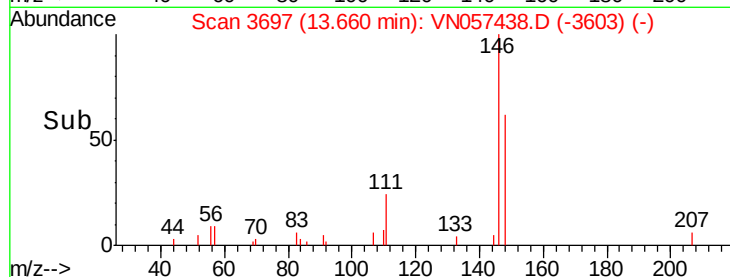
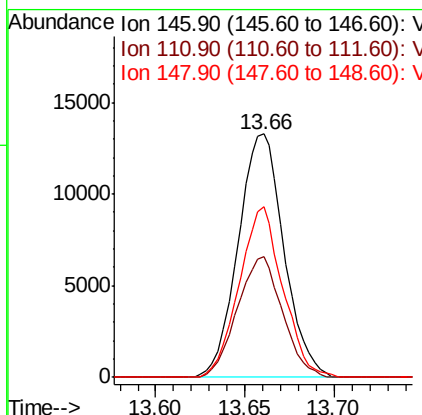
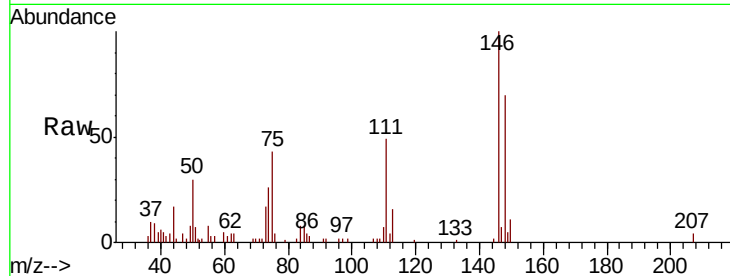




#91
 1,2-Dichlorobenzene
 Concen: 4.825 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

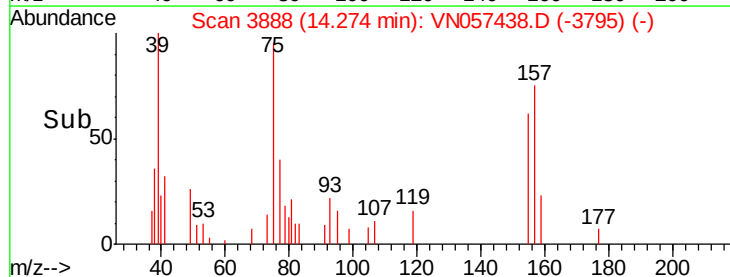
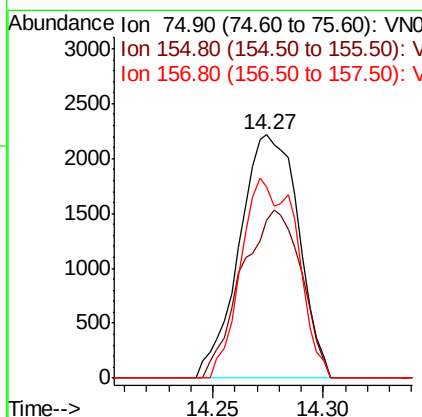
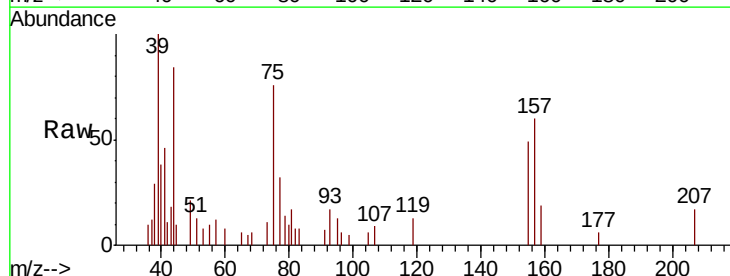
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

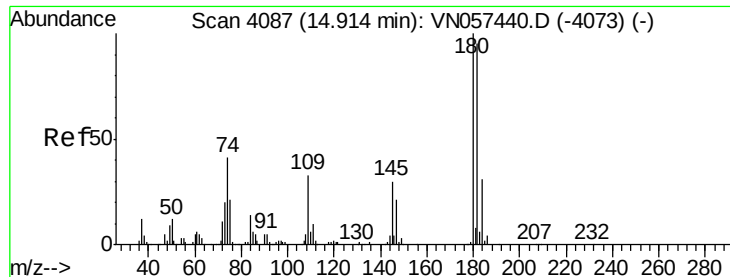
Tgt Ion: 146 Resp: 23782
 Ion Ratio Lower Upper
 146 100
 111 48.7 23.1 69.2
 148 66.9 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.132 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057438.D
 Acq: 22 Aug 2019 17:26

Tgt Ion: 75 Resp: 4118
 Ion Ratio Lower Upper
 75 100
 155 69.9 31.6 94.7
 157 77.2 43.3 129.8





#93

1,2,4-Trichlorobenzene

Concen: 4.148 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

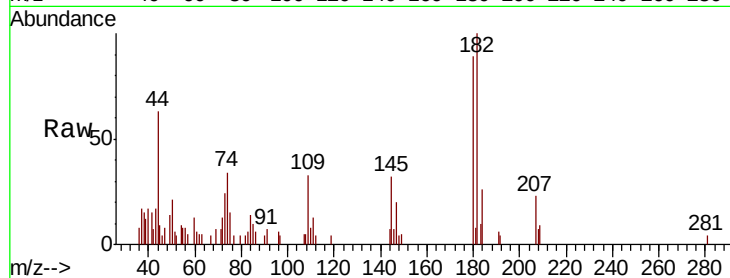
Tgt Ion:180 Resp: 6821

Ion Ratio Lower Upper

180 100

182 97.8 46.7 140.1

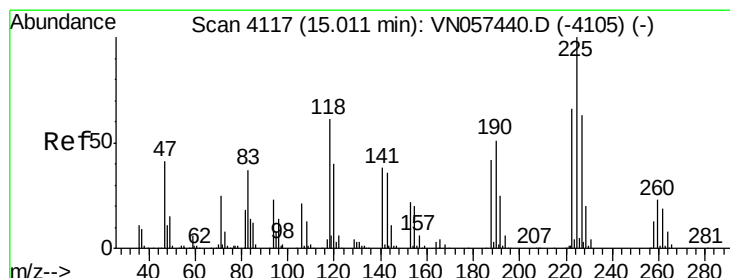
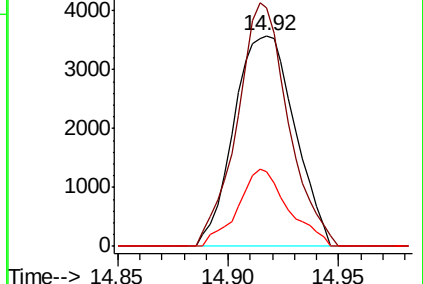
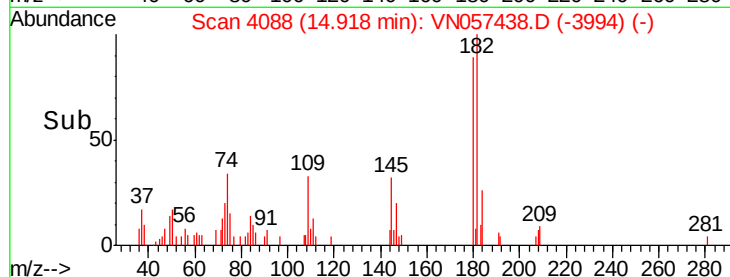
145 30.6 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 4.106 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057438.D

Acq: 22 Aug 2019 17:26

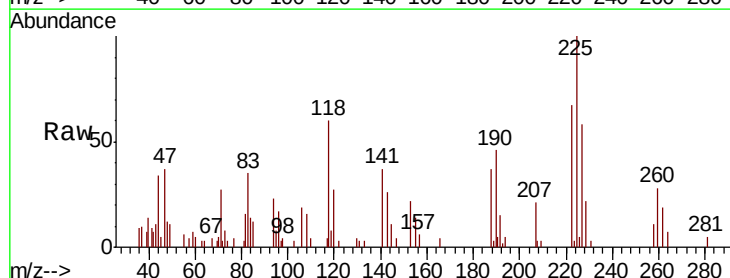
Tgt Ion:225 Resp: 8932

Ion Ratio Lower Upper

225 100

223 64.5 32.0 96.2

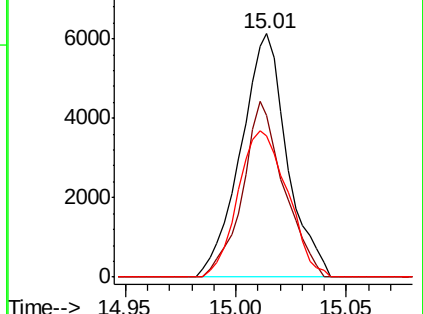
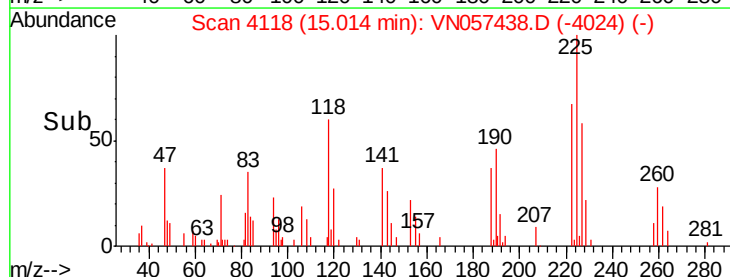
227 64.0 31.5 94.5

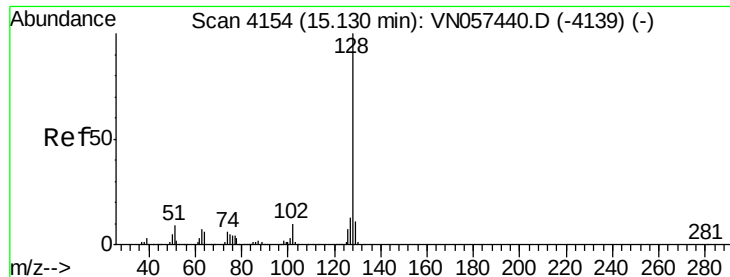


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

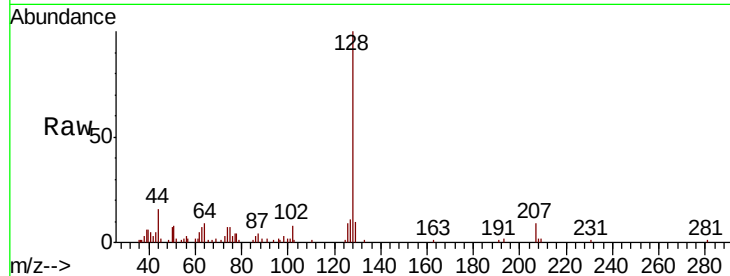




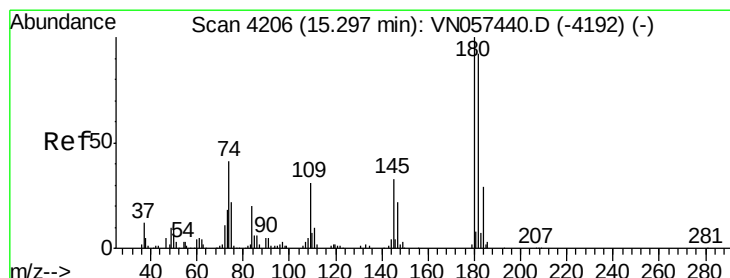
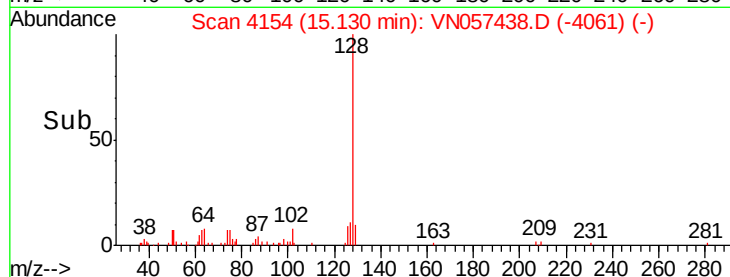
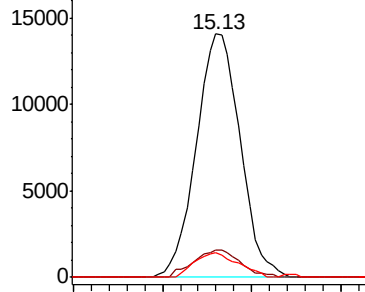
#95
Naphthalene
Concen: 6.314 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 24187
Ion Ratio Lower Upper
128 100
127 12.1 10.5 15.7
129 10.1 8.6 13.0

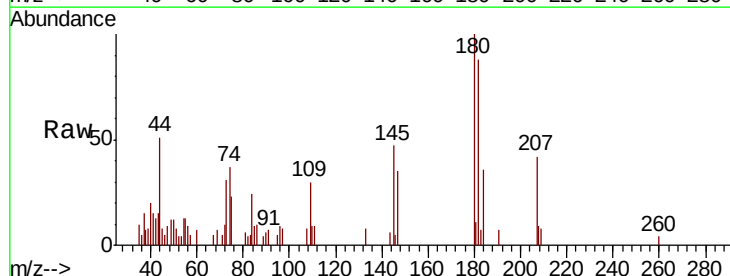


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.223 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057438.D
Acq: 22 Aug 2019 17:26

Tgt Ion:180 Resp: 6675
Ion Ratio Lower Upper
180 100
182 91.1 46.7 140.1
145 39.1 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

