

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058342.D
 Acq On : 24 Sep 2019 12:21
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 25 01:20:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	83639	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	492844	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	429036	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	226507	30.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.77%
60) 4-Bromofluorobenzene	12.41	95	215559	29.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.43%
63) Toluene-d8	10.08	98	622340	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	23630	4.637 ug/l	97
3) Chloromethane	2.04	50	30996	5.000 ug/l	99
4) Vinyl Chloride	2.17	62	29511	4.673 ug/l	99
5) Bromomethane	2.54	94	18885	5.002 ug/l	98
6) Chloroethane	2.69	64	16712	4.296 ug/l	92
7) Trichlorofluoromethane	3.00	101	34808	4.849 ug/l	99
8) Diethyl Ether	3.39	74	15459	5.140 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	24872	5.337 ug/l	61
10) 1,1-Dichloroethene	3.72	96	24042	5.370 ug/l	93
11) Methyl Iodide	3.93	142	17850	3.185 ug/l	95
12) Methyl Acetate	4.30	43	32906	5.466 ug/l	99
13) Acrolein	3.59	56	3202	10.470 ug/l	91
14) Acrylonitrile	4.96	53	62920	25.378 ug/l	100
15) Acetone	3.80	58	8681	12.404 ug/l	92
16) Carbon Disulfide	4.03	76	65792	6.125 ug/l	97
17) Allyl chloride	4.30	41	42091	5.107 ug/l	90
18) Methylene Chloride	4.53	84	28353	5.089 ug/l	93
19) trans-1,2-Dichloroethene	5.01	96	26956	5.404 ug/l	94
20) Diisopropyl ether	5.93	45	89548	4.754 ug/l	96
21) 1,1-Dichloroethane	5.82	63	51400	4.950 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	30517	5.052 ug/l	99
23) tert-Butyl Alcohol	4.76	59	24567	29.844 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	83275	4.936 ug/l	98
25) Chloroform	7.36	83	54188	5.121 ug/l	98
26) Cyclohexane	7.64	56	47511	5.305 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	39900	5.074 ug/l	99
30) 2-Butanone	6.82	43	93040	26.338 ug/l	99
31) 2,2-Dichloropropane	6.80	77	40129	4.838 ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	40898	4.668 ug/l	98
33) Carbon Tetrachloride	7.76	117	34401	4.746 ug/l	91
34) Benzene	8.03	78	116626	5.045 ug/l	# 69
35) Methacrylonitrile	7.20	41	55046	16.503 ug/l	# 65
36) 1,2-Dichloroethane	8.11	62	46550	5.194 ug/l	100
37) Trichloroethene	8.82	130	29243	5.178 ug/l	97
38) Methylcyclohexane	9.07	83	49119	5.434 ug/l	97
39) 1,2-Dichloropropane	9.11	63	32057	4.974 ug/l	97
40) Dibromomethane	9.20	93	19716	5.000 ug/l	97

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Quant Time: Sep 25 01:20:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	36329	4.568	ug/l	95
42) Vinyl Acetate	5.88	43	357069	25.211	ug/l	99
43) Ethyl Acetate	6.91	43	32813	4.591	ug/l #	89
44) Isopropyl Acetate	8.15	43	62918	4.962	ug/l	93
45) 1,4-Dioxane	9.19	88	11600	114.400	ug/l	97
46) Methyl methacrylate	9.19	41	29872	4.873	ug/l	99
47) n-amyl Acetate	12.08	43	49315	4.292	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	36141	4.244	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	42995	4.492	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	28193	4.958	ug/l	99
51) Ethyl methacrylate	10.43	69	39709	4.479	ug/l	98
52) 1,3-Dichloropropane	10.71	76	48096	4.812	ug/l	99
53) Dibromochloromethane	10.90	129	23839	4.198	ug/l	98
54) 1,2-Dibromoethane	11.01	107	26756	4.698	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	84231	20.676	ug/l	99
56) Bromoform	12.13	173	13639	3.879	ug/l	95
58) 4-Methyl-2-Pentanone	9.98	43	186444	27.788	ug/l	100
59) 2-Hexanone	10.75	43	135698	26.927	ug/l	99
61) Tetrachloroethene	10.63	164	22357	5.072	ug/l	88
62) Toluene	10.15	91	125643	5.270	ug/l	99
64) Chlorobenzene	11.44	112	74478	5.039	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	23929	4.650	ug/l	98
66) Ethyl Benzene	11.51	91	136694	5.239	ug/l	99
67) m/p-Xylenes	11.62	106	98923	9.925	ug/l	98
68) o-Xylene	11.95	106	46548	4.759	ug/l	96
69) Styrene	11.97	104	75594	4.560	ug/l	99
70) Isopropylbenzene	12.26	105	128160	4.991	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	39222	4.888	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	47461	6.665	ug/l	66
73) Bromobenzene	12.53	156	29869	4.821	ug/l	97
74) n-propylbenzene	12.60	91	149217	5.074	ug/l	99
75) 2-Chlorotoluene	12.68	91	90781	4.946	ug/l	96
76) 1,3,5-Trimethylbenzene	12.74	105	105574	4.810	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	8180	3.789	ug/l	98
78) 4-Chlorotoluene	12.78	91	89680	4.769	ug/l	99
79) tert-butylbenzene	13.00	119	90073	4.736	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	104551	4.770	ug/l	100
81) sec-Butylbenzene	13.18	105	120647	4.745	ug/l	99
82) p-Isopropyltoluene	13.30	119	107405	4.737	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	54214	4.733	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	53728	4.751	ug/l	99
85) n-Butylbenzene	13.62	91	94024	4.461	ug/l	98
86) Hexachloroethane	13.88	117	14174	3.885	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	52325	4.688	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	6631	4.602	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	33877	4.951	ug/l	95
90) Hexachlorobutadiene	15.02	225	17411	5.505	ug/l	92
91) Naphthalene	15.14	128	99332	5.307	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	33868	5.206	ug/l	98

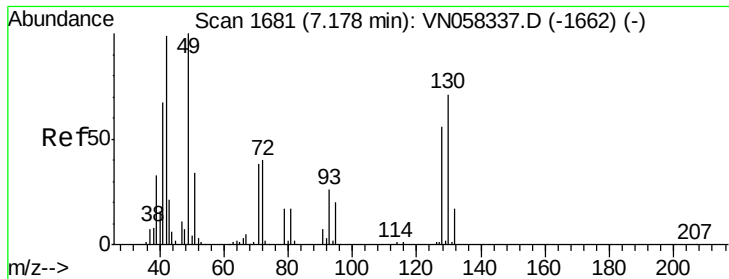
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
Data File : VN058342.D
Acq On : 24 Sep 2019 12:21
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

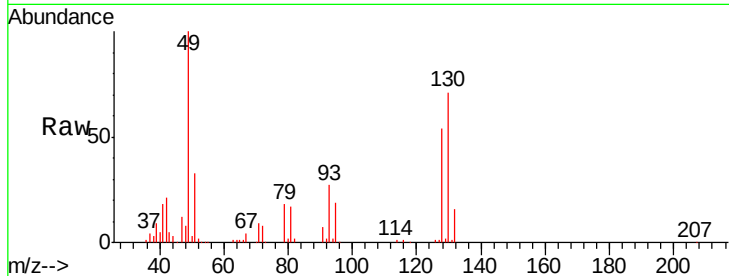
Tgt Ion:128 Resp: 83639

Ion Ratio Lower Upper

128 100

49 185.7 0.0 458.5

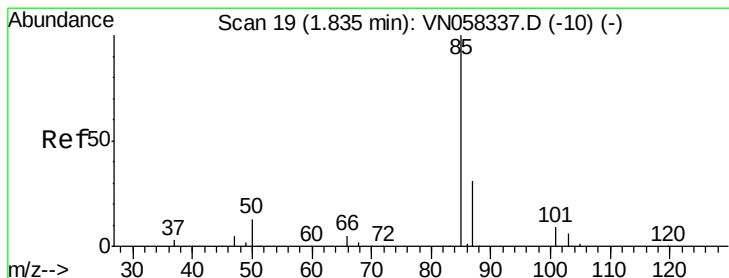
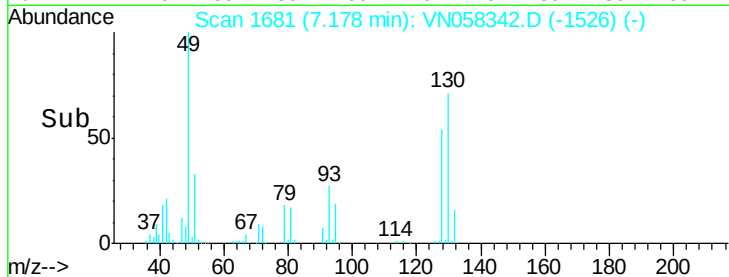
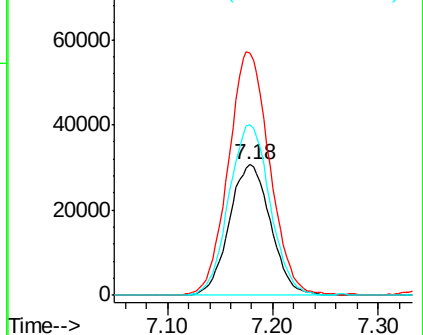
130 129.8 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.637 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058342.D

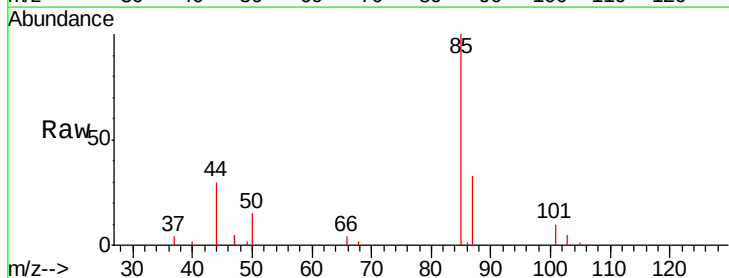
Acq: 24 Sep 2019 12:21

Tgt Ion: 85 Resp: 23630

Ion Ratio Lower Upper

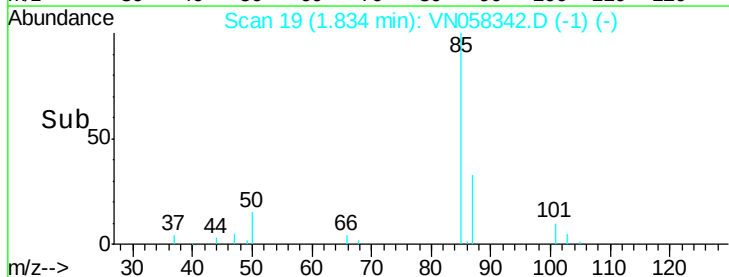
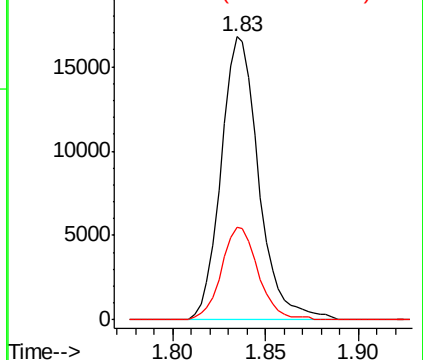
85 100

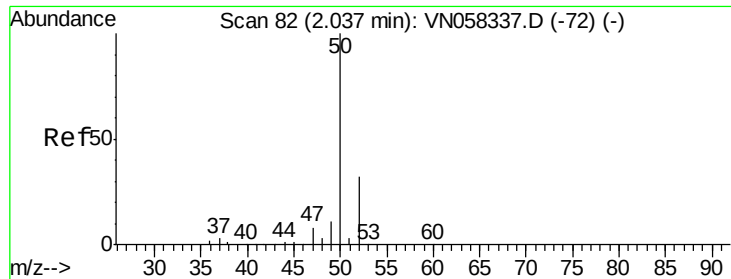
87 32.8 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 5.000 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

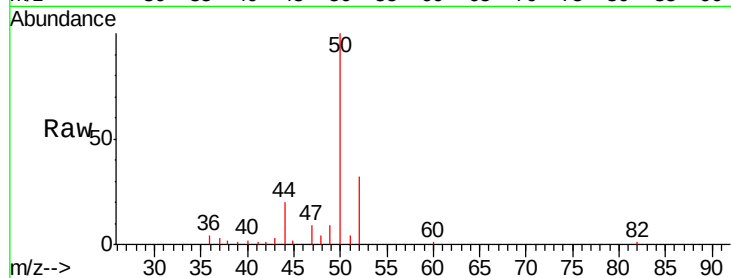
VSTDIC005

Tgt Ion: 50 Resp: 30996

Ion Ratio Lower Upper

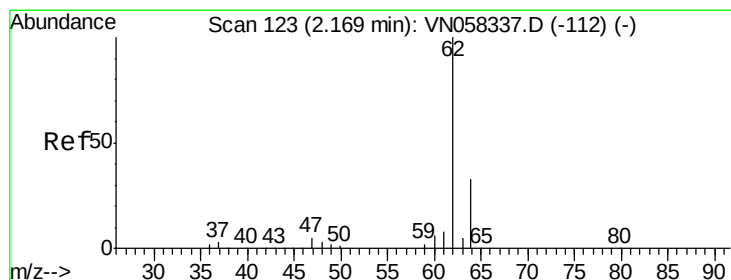
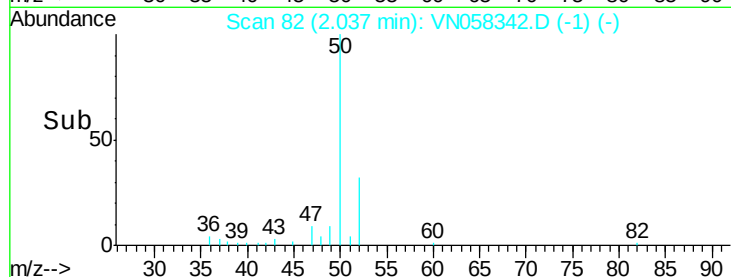
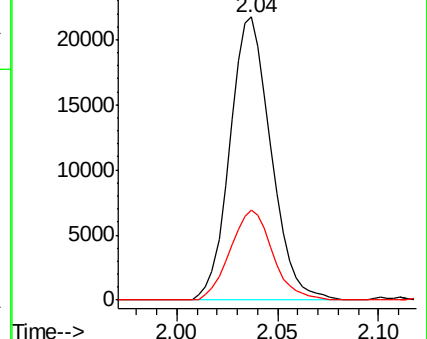
50 100

52 31.7 25.9 38.9



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.673 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058342.D

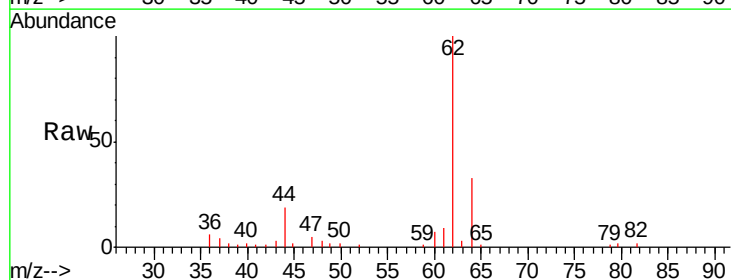
Acq: 24 Sep 2019 12:21

Tgt Ion: 62 Resp: 29511

Ion Ratio Lower Upper

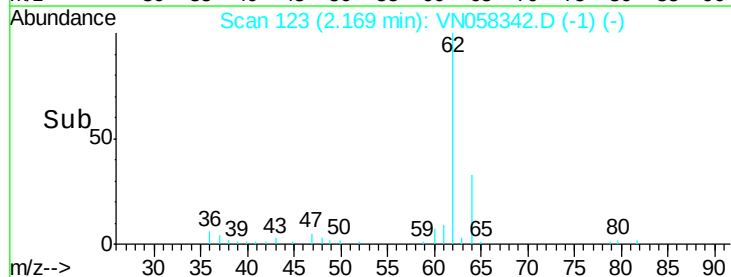
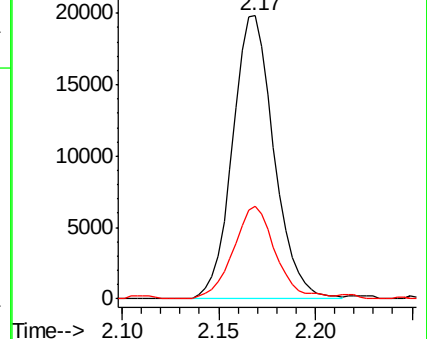
62 100

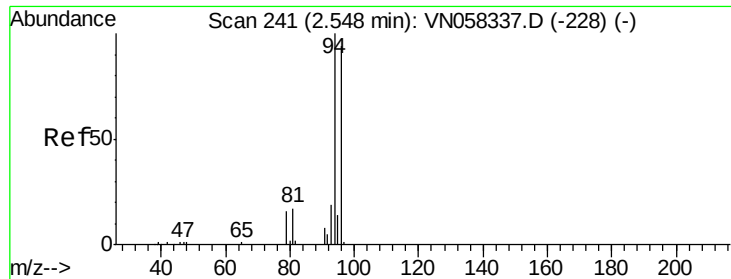
64 32.9 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 5.002 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

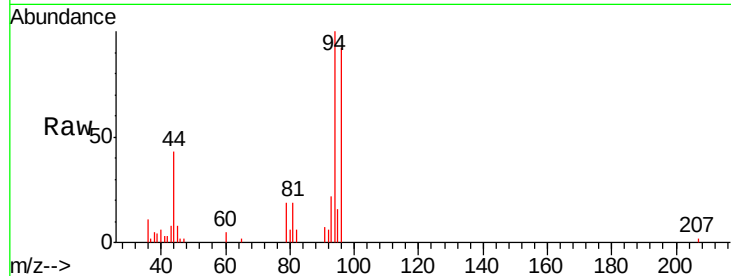
VSTDIC005

Tgt Ion: 94 Resp: 18885

Ion Ratio Lower Upper

94 100

96 91.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.54

10000

8000

6000

4000

2000

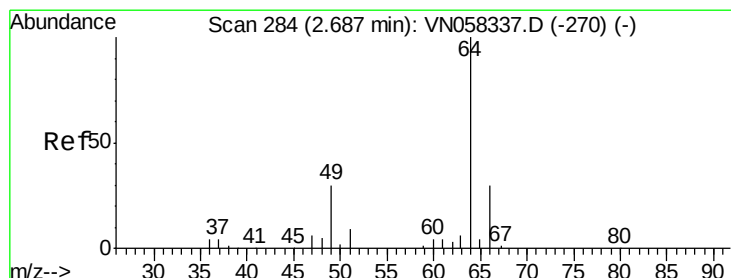
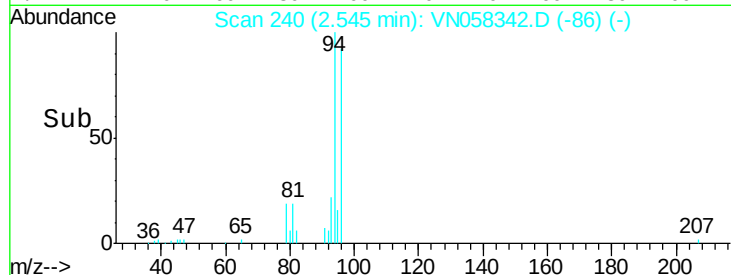
0

Time-->

2.50

2.55

2.60



#6

Chloroethane

Concen: 4.296 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058342.D

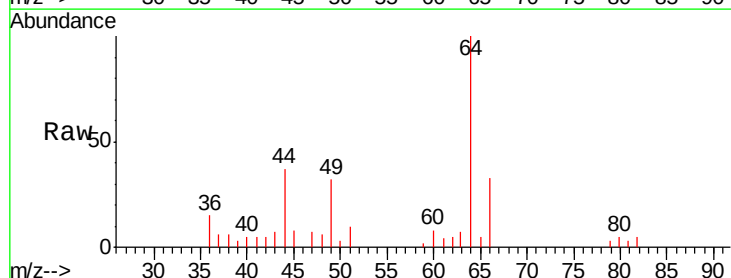
Acq: 24 Sep 2019 12:21

Tgt Ion: 64 Resp: 16712

Ion Ratio Lower Upper

64 100

66 34.1 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

10000

8000

6000

4000

2000

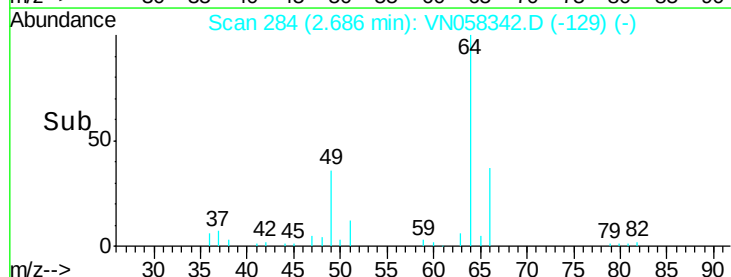
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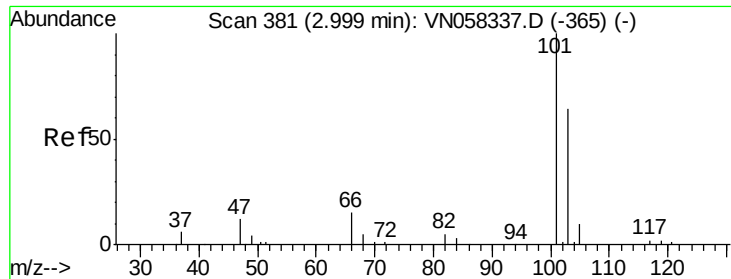
Time-->

2.65

2.70

2.75



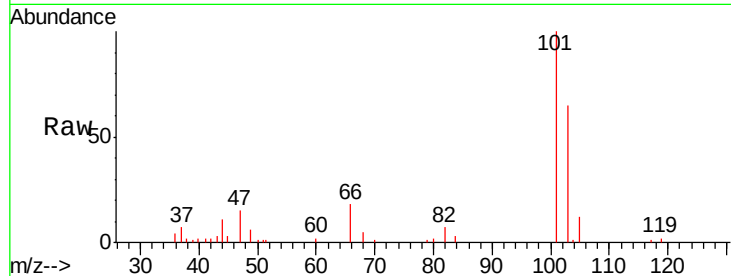


#7

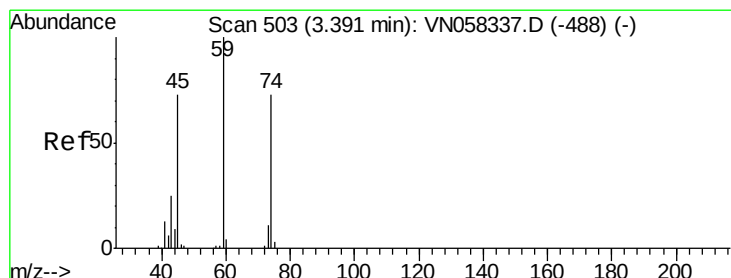
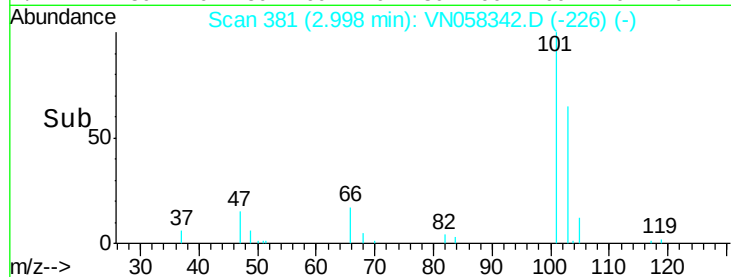
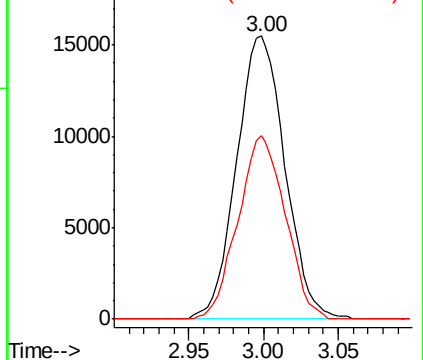
Trichlorofluoromethane
Concen: 4.849 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 101 Resp: 34808
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3



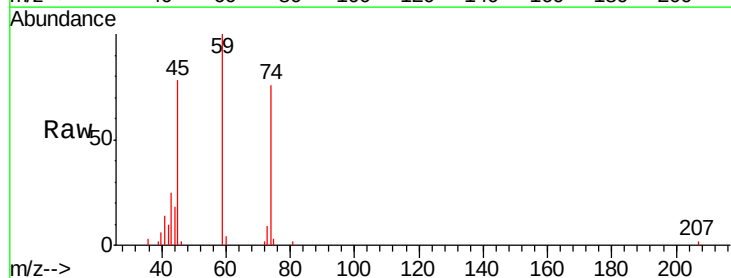
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



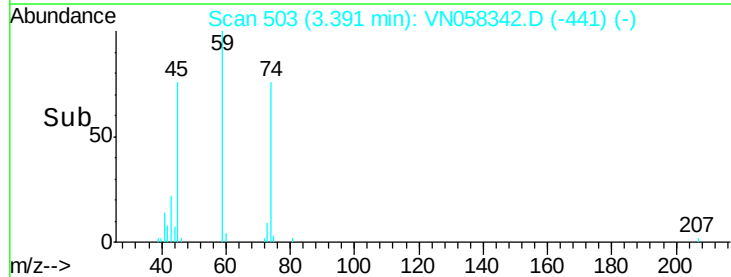
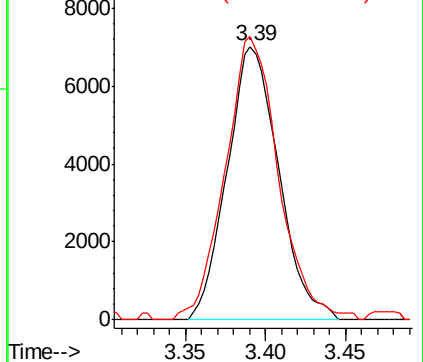
#8

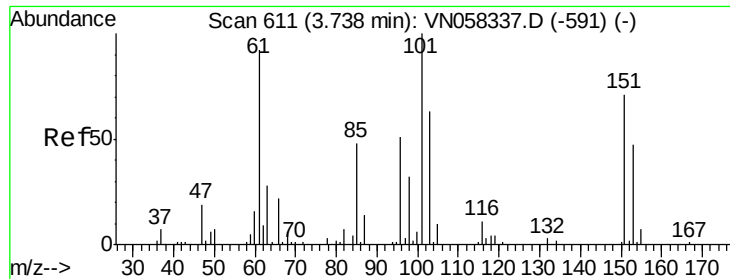
Diethyl Ether
Concen: 5.140 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 74 Resp: 15459
Ion Ratio Lower Upper
74 100
45 106.7 20.8 187.6



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.337 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

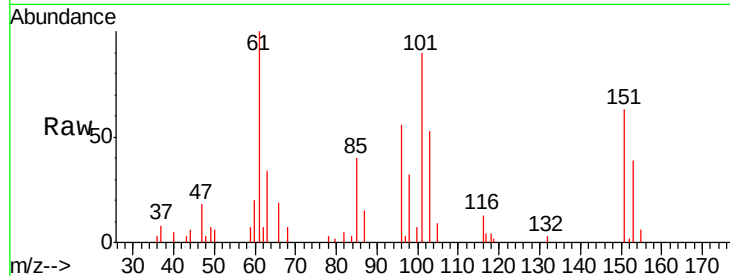
Tgt Ion:101 Resp: 24872

Ion Ratio Lower Upper

101 100

85 27.7 0.0 93.0

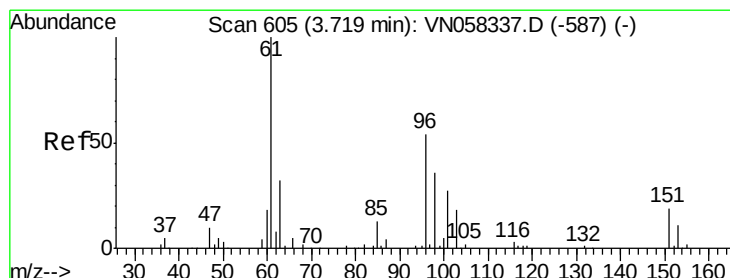
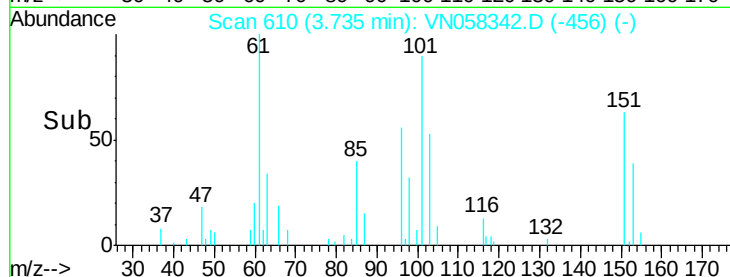
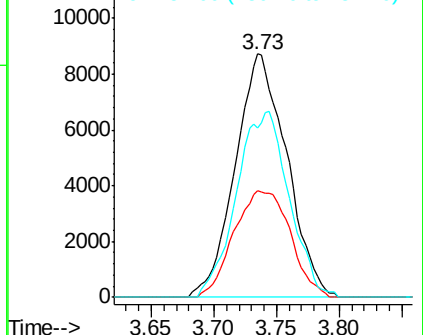
151 34.6 0.0 147.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.370 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

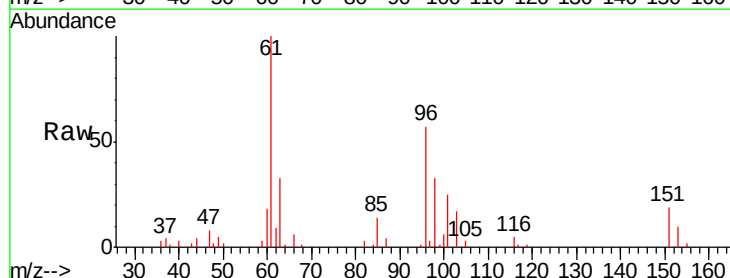
Tgt Ion: 96 Resp: 24042

Ion Ratio Lower Upper

96 100

61 174.4 146.9 220.3

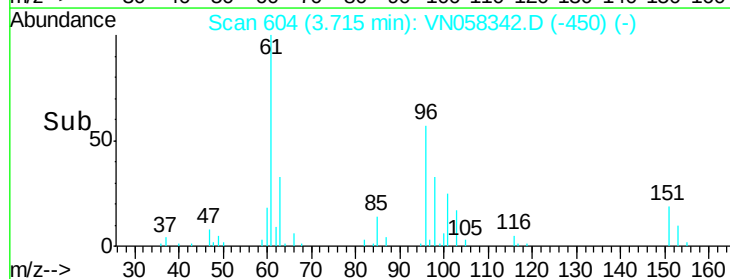
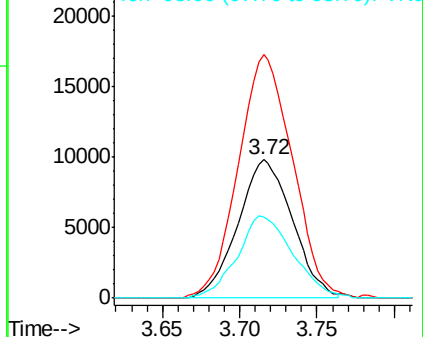
98 59.0 52.3 78.5

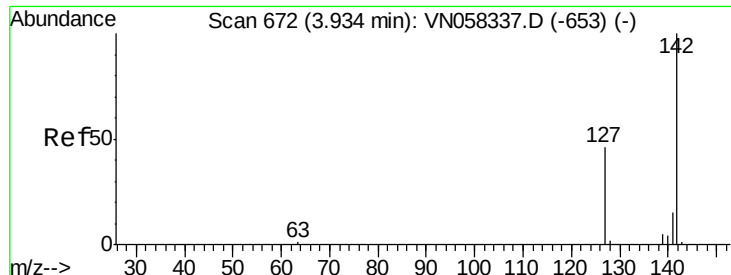


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

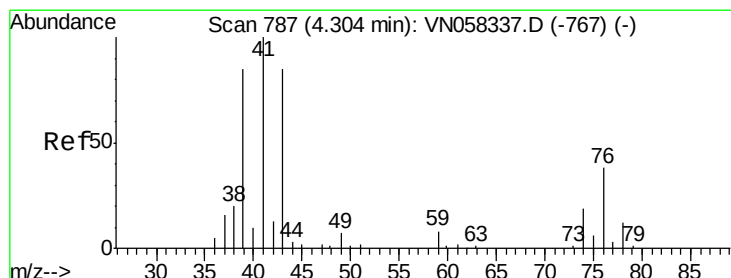
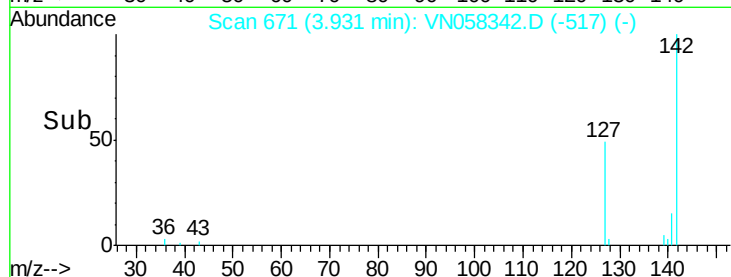
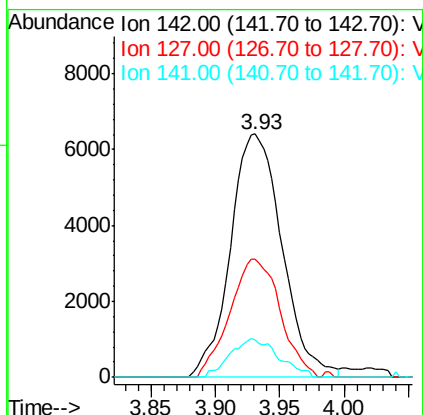
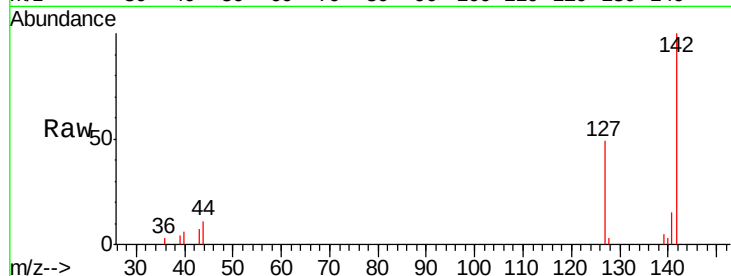




#11
Methyl Iodide
Concen: 3.185 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

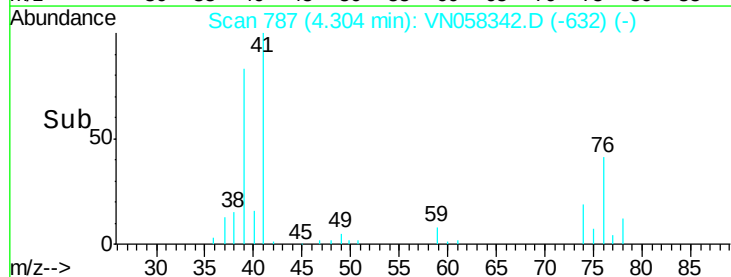
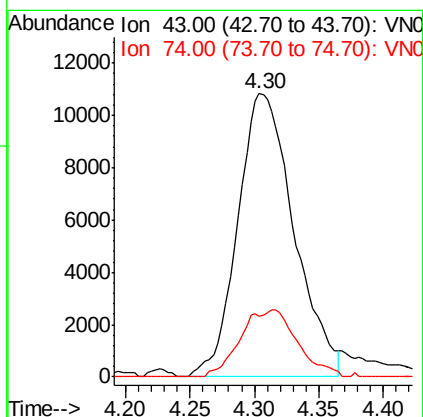
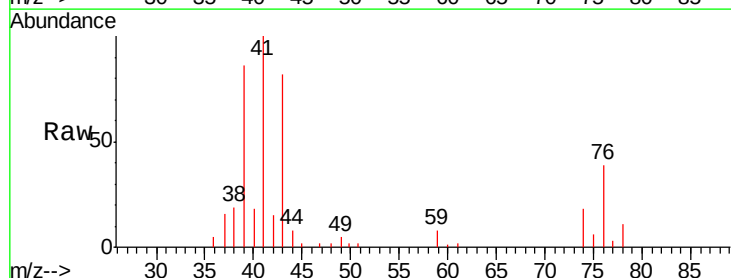
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

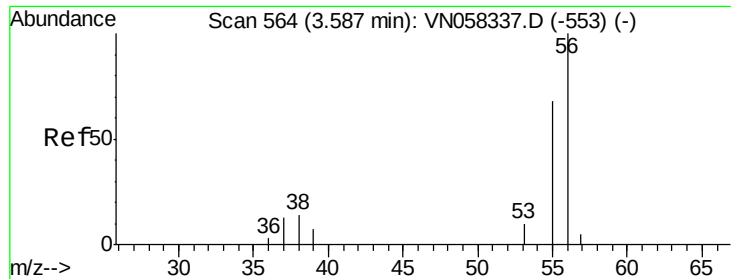
Tgt Ion: 142 Resp: 17850
Ion Ratio Lower Upper
142 100
127 49.5 22.9 68.7
141 15.7 7.4 22.3



#12
Methyl Acetate
Concen: 5.466 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 43 Resp: 32906
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6

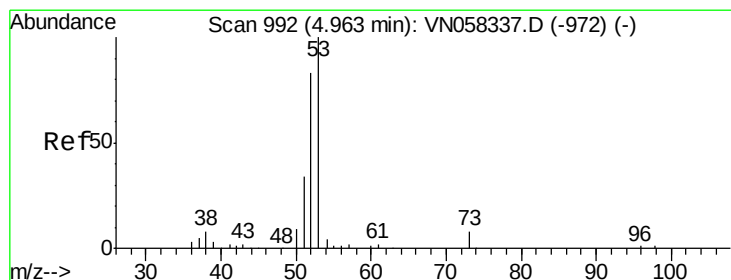
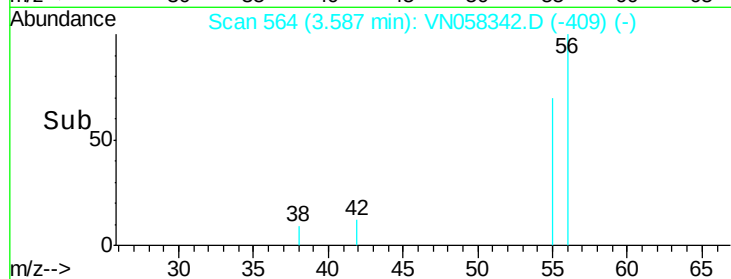
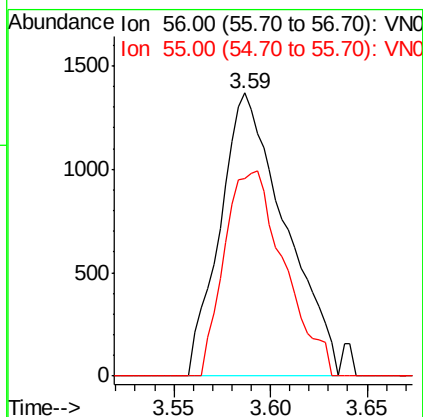
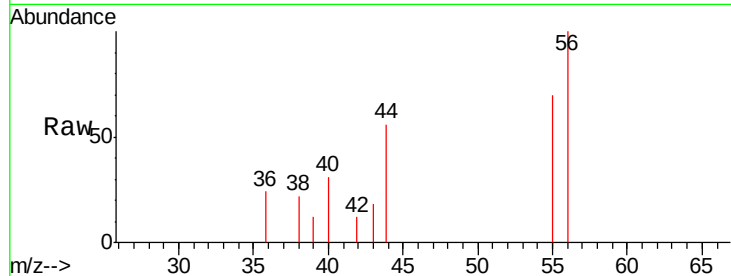




#13
Acrolein
Concen: 10.470 ug/l
RT: 3.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

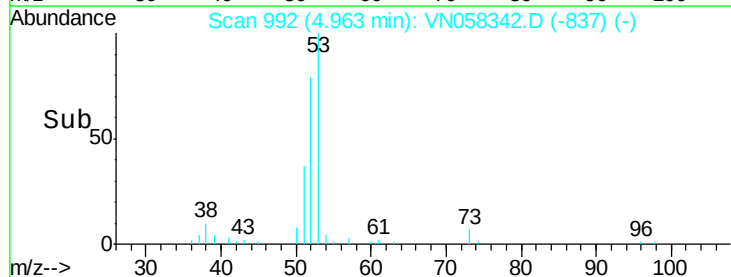
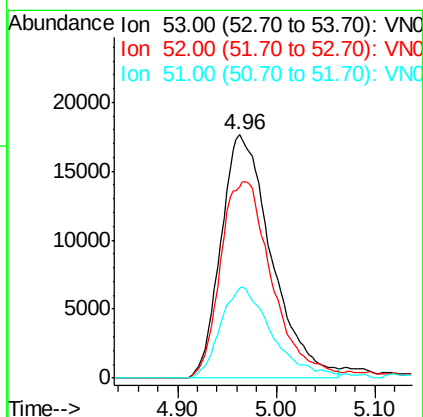
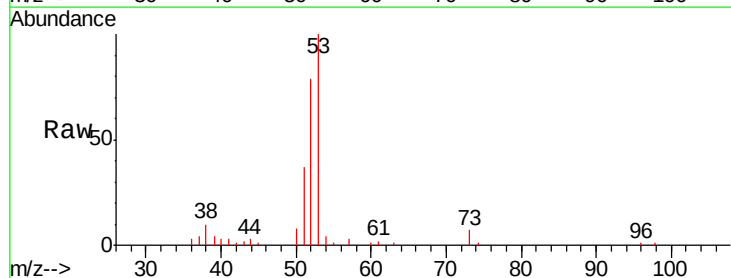
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

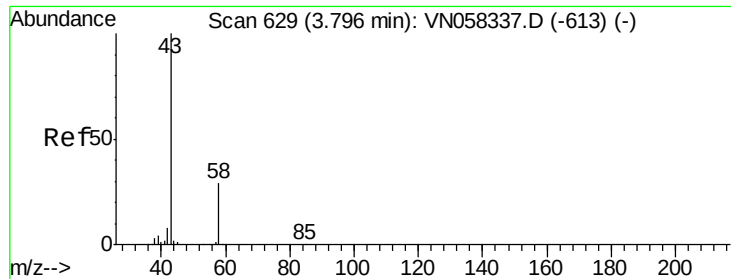
Tgt Ion: 56 Resp: 3202
Ion Ratio Lower Upper
56 100
55 65.7 58.4 87.6



#14
Acrylonitrile
Concen: 25.378 ug/l
RT: 4.96 min Scan# 992
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 53 Resp: 62920
Ion Ratio Lower Upper
53 100
52 82.4 41.3 123.7
51 37.0 18.3 54.8





#15

Acetone

Concen: 12.404 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

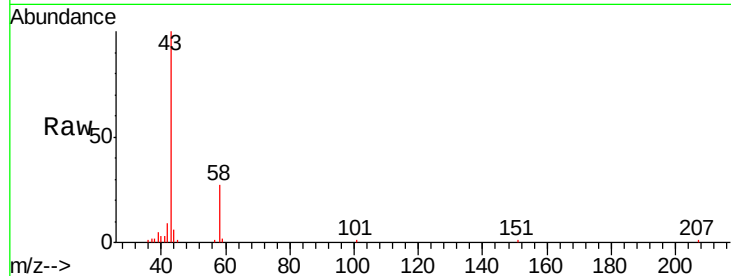
VSTDIC005

Tgt Ion: 58 Resp: 8681

Ion Ratio Lower Upper

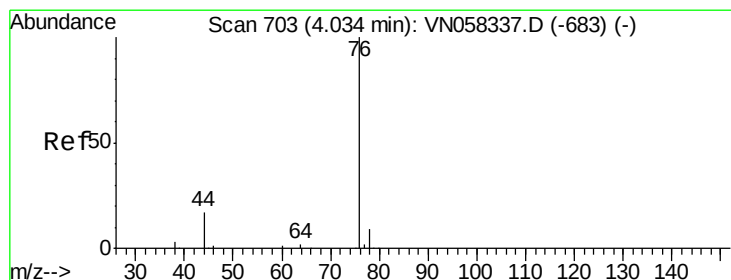
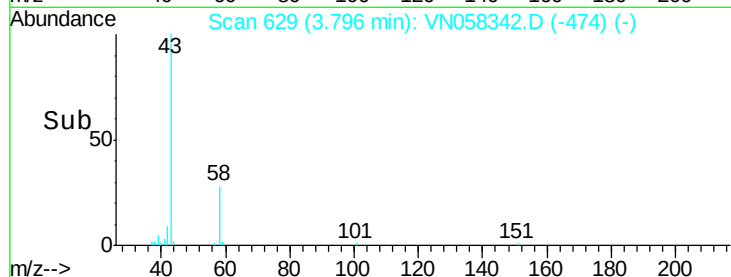
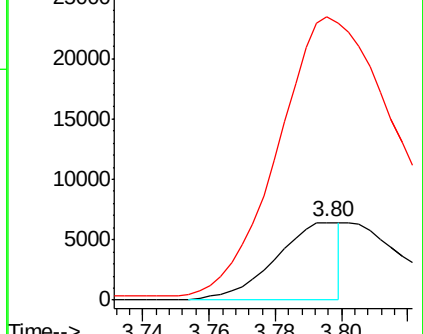
58 100

43 357.0 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN058337.D (-613) (-)

Ion 43.00 (42.70 to 43.70): VN058337.D (-613) (-)



#16

Carbon Disulfide

Concen: 6.125 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058342.D

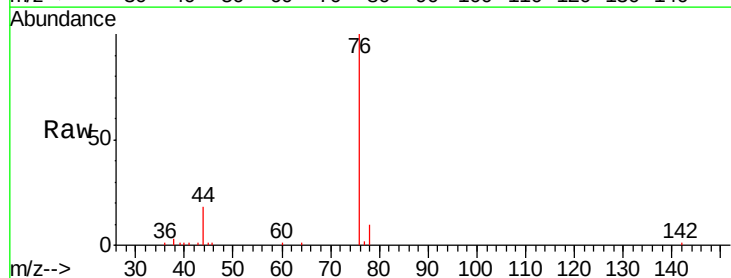
Acq: 24 Sep 2019 12:21

Tgt Ion: 76 Resp: 65792

Ion Ratio Lower Upper

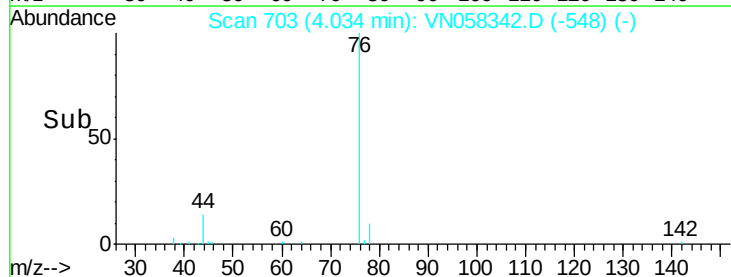
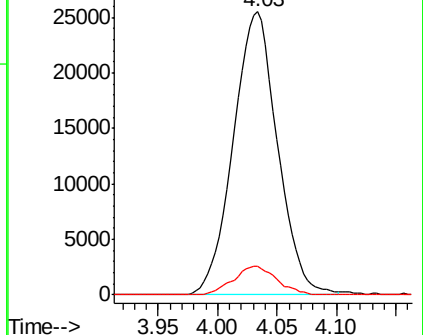
76 100

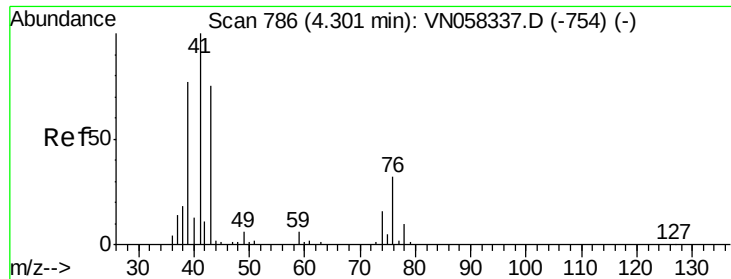
78 10.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN058337.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN058337.D (-683) (-)

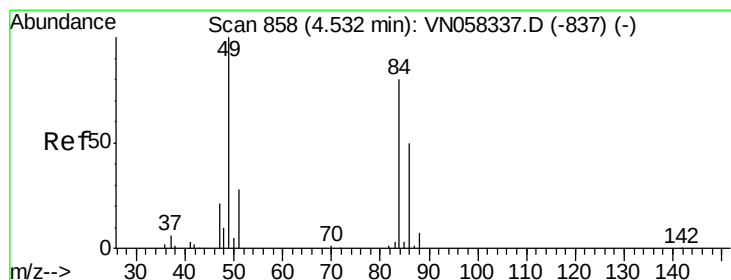
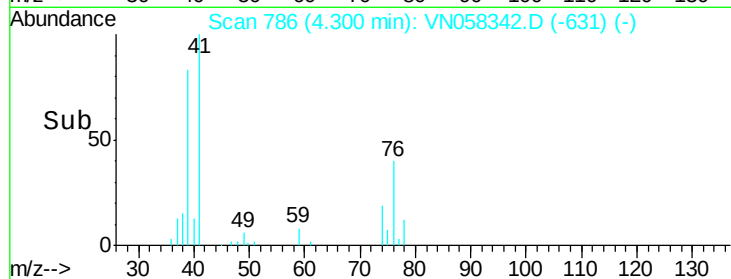
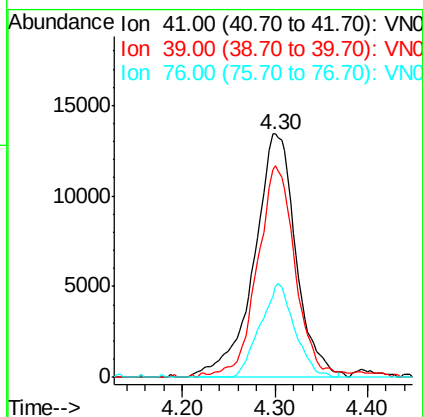
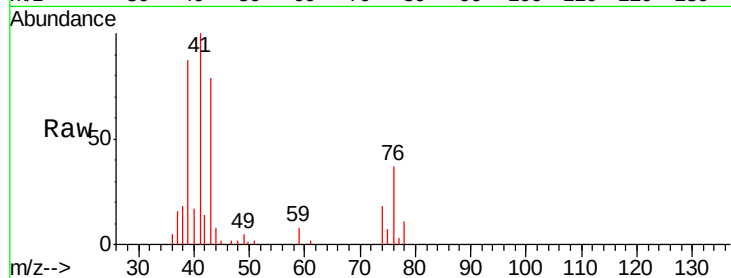




#17
 Allyl chloride
 Concen: 5.107 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

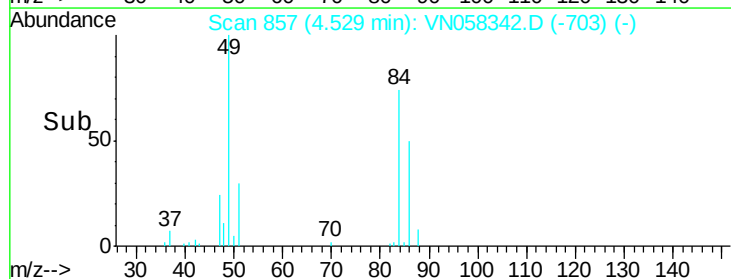
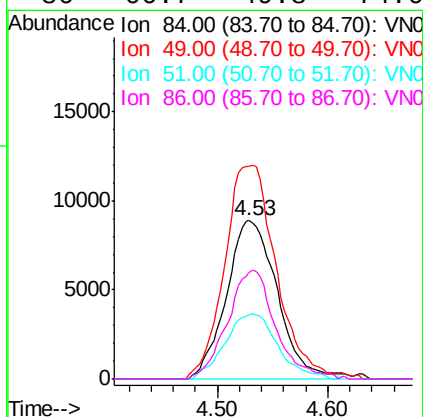
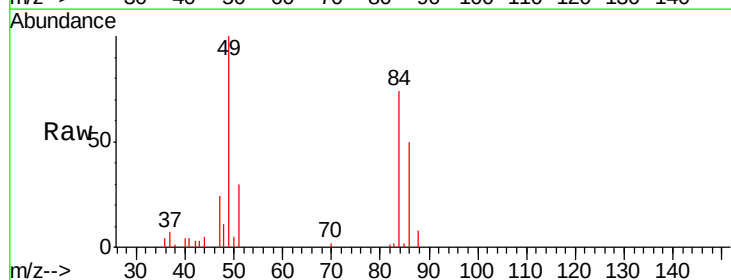
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

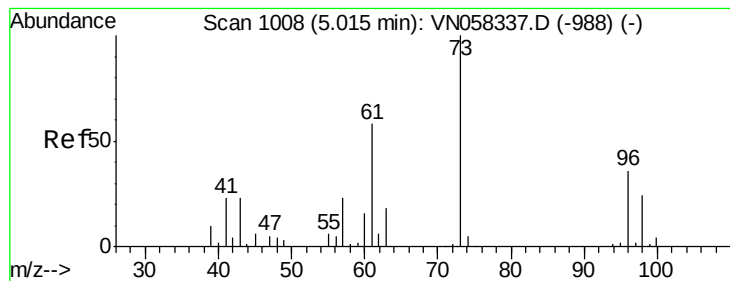
Tgt Ion: 41 Resp: 42091
 Ion Ratio Lower Upper
 41 100
 39 86.9 38.7 116.1
 76 37.3 16.4 49.1



#18
 Methylene Chloride
 Concen: 5.089 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 84 Resp: 28353
 Ion Ratio Lower Upper
 84 100
 49 131.9 99.8 149.6
 51 40.6 28.3 42.5
 86 66.7 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 5.404 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

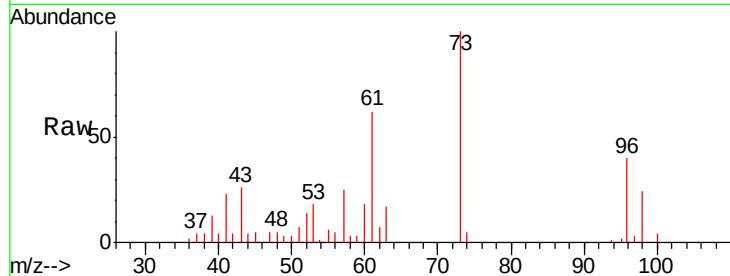
Tgt Ion: 96 Resp: 26956

Ion Ratio Lower Upper

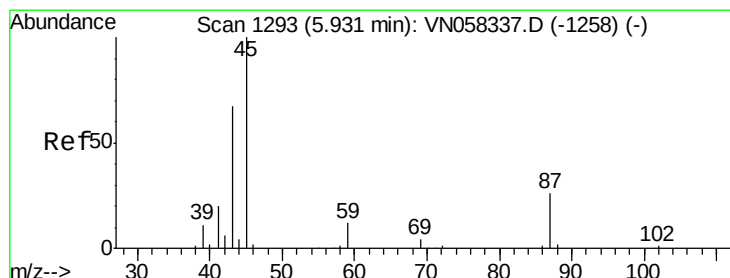
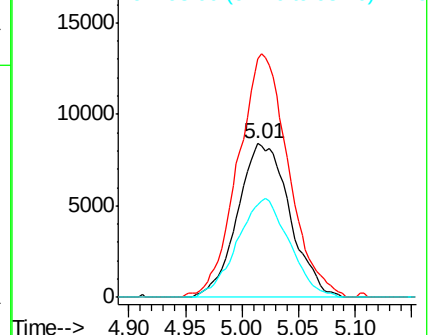
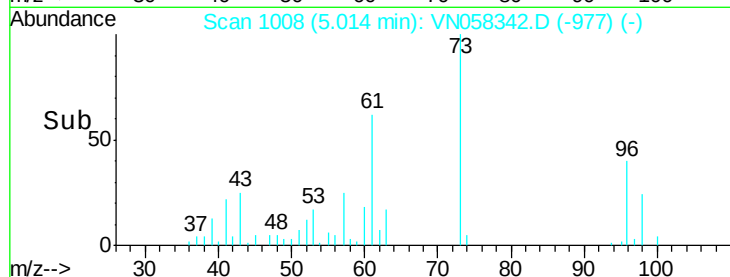
96 100

61 152.7 128.0 192.0

98 60.2 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VN058342.D (-977) (-)



#20

Diisopropyl ether

Concen: 4.754 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Tgt Ion: 45 Resp: 89548

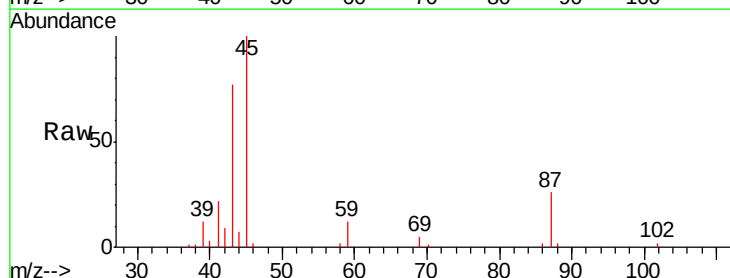
Ion Ratio Lower Upper

45 100

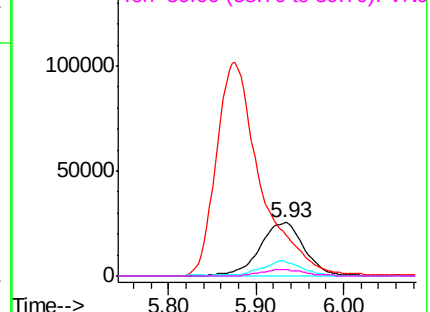
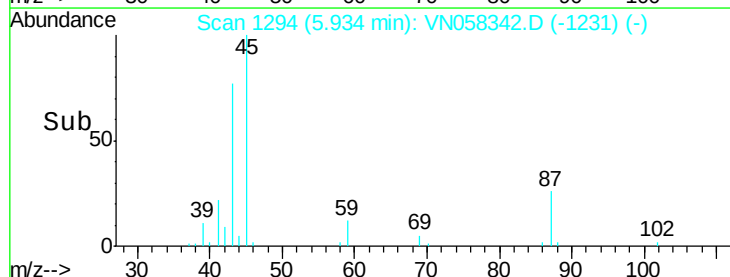
43 71.6 54.1 81.1

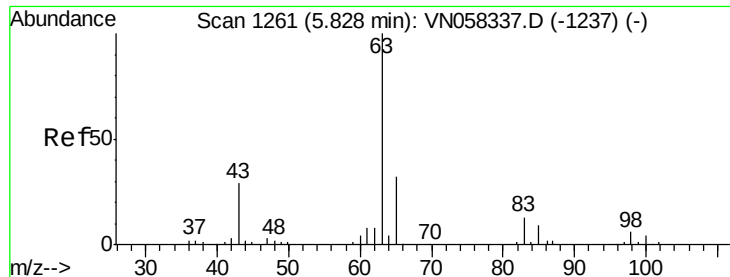
87 25.1 21.4 32.2

59 12.3 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN058342.D (-1231) (-)

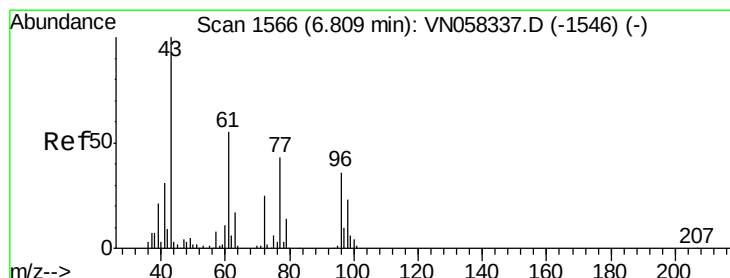
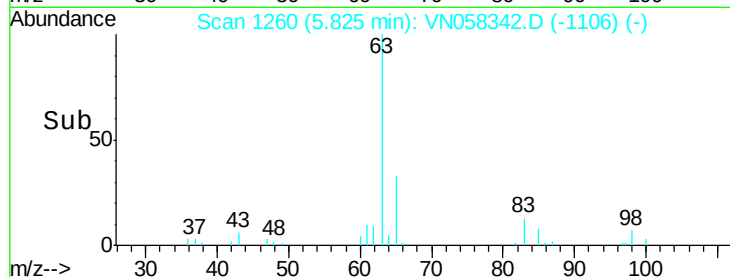
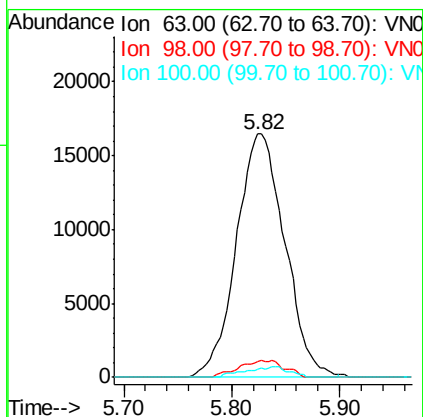
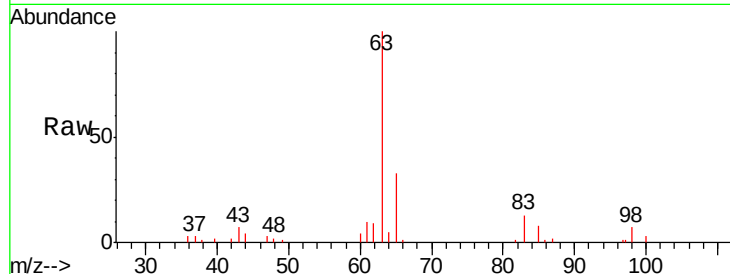




#21
 1,1-Dichloroethane
 Concen: 4.950 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

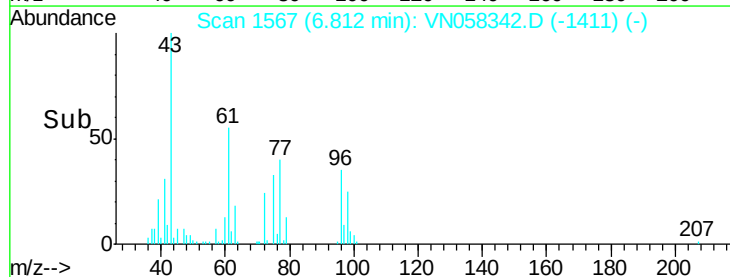
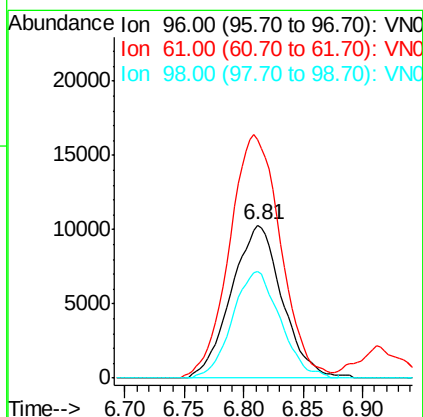
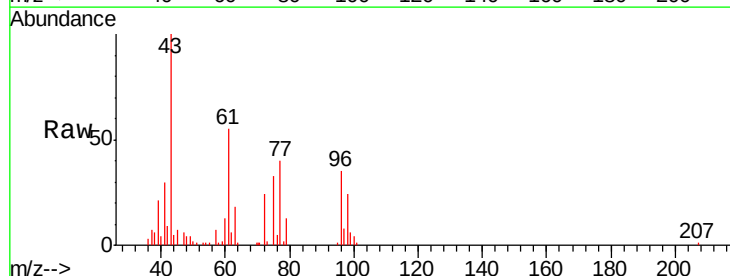
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

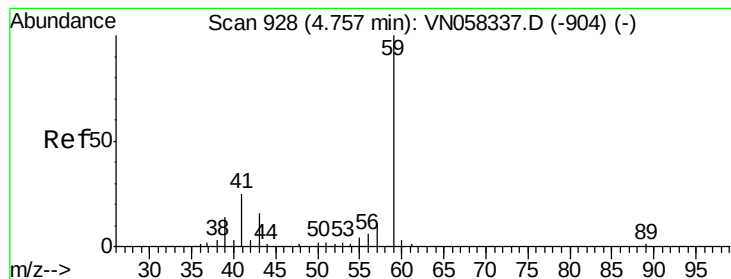
Tgt Ion: 63 Resp: 51400
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.0 9.2
 100 3.4 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 5.052 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 96 Resp: 30517
 Ion Ratio Lower Upper
 96 100
 61 160.0 128.2 192.2
 98 65.6 50.6 76.0





#23

tert-Butyl Alcohol

Concen: 29.844 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

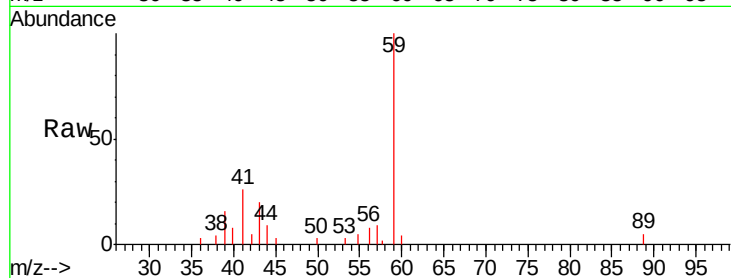
VSTDIC005

Tgt Ion: 59 Resp: 24567

Ion Ratio Lower Upper

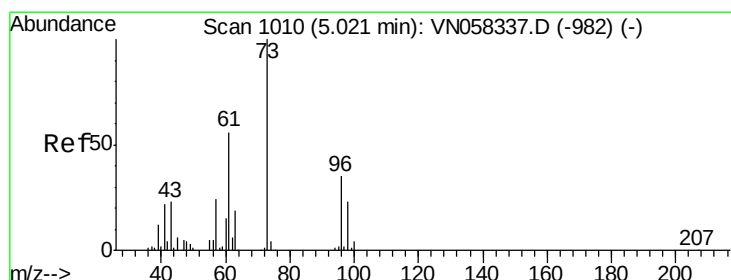
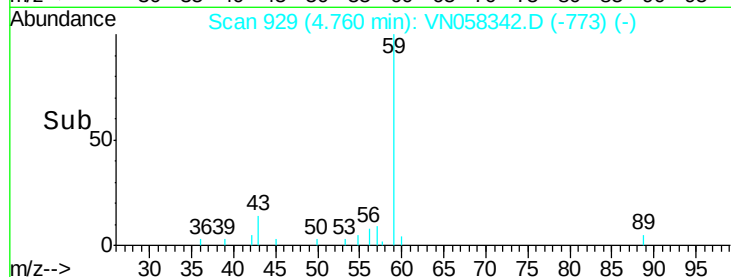
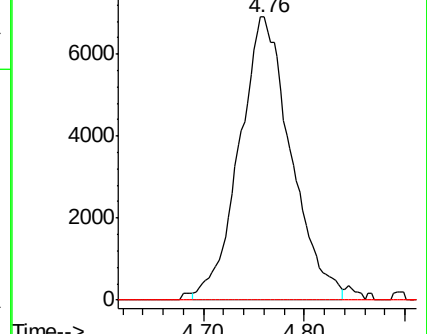
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 4.936 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN058342.D

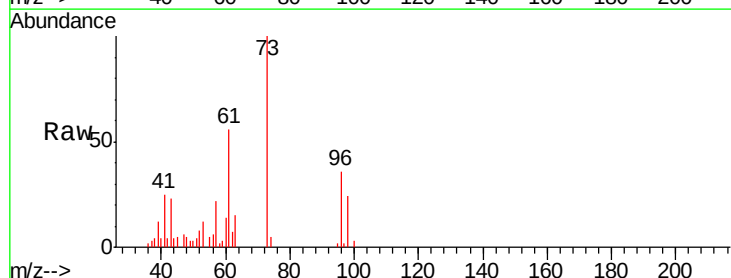
Acq: 24 Sep 2019 12:21

Tgt Ion: 73 Resp: 83275

Ion Ratio Lower Upper

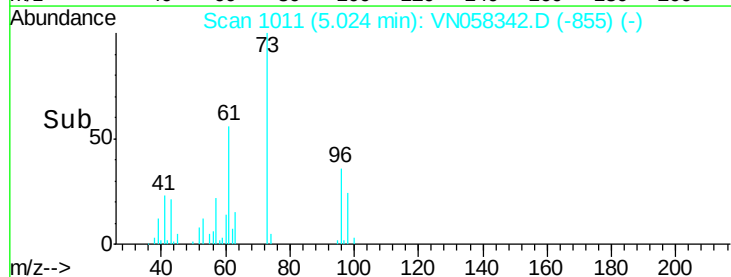
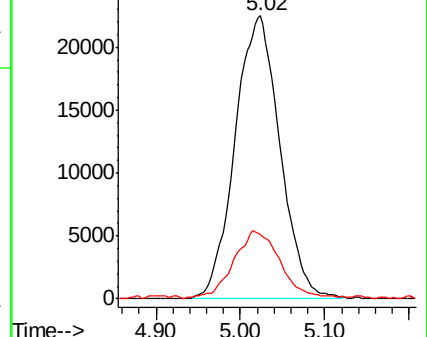
73 100

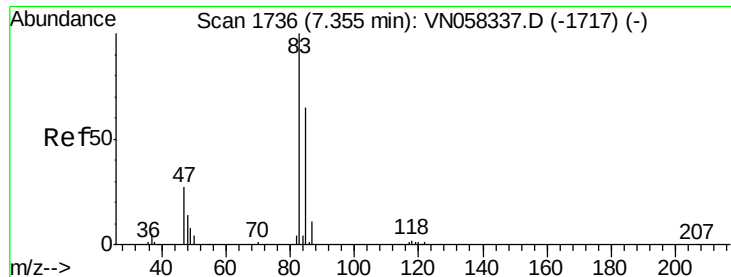
43 23.8 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

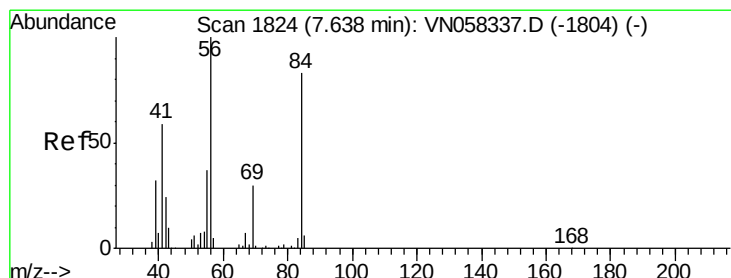
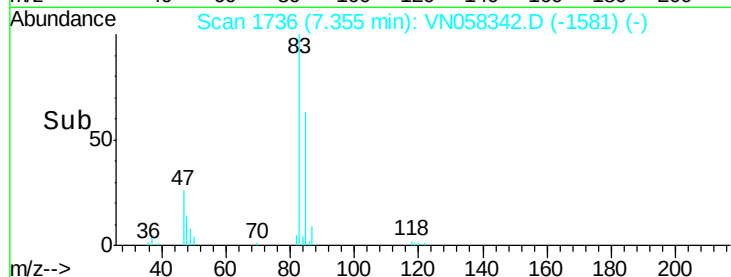
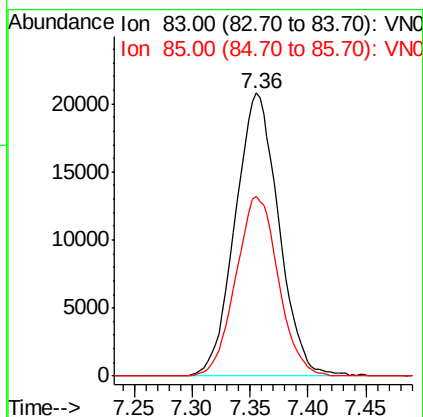
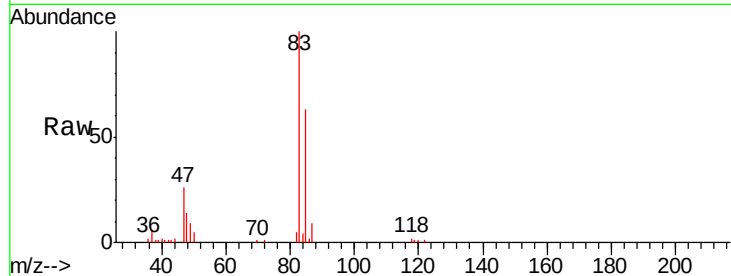




#25
Chloroform
Concen: 5.121 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

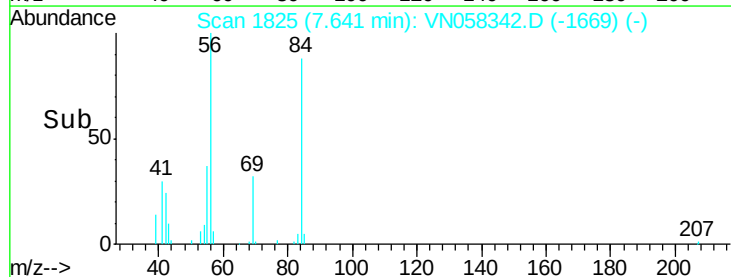
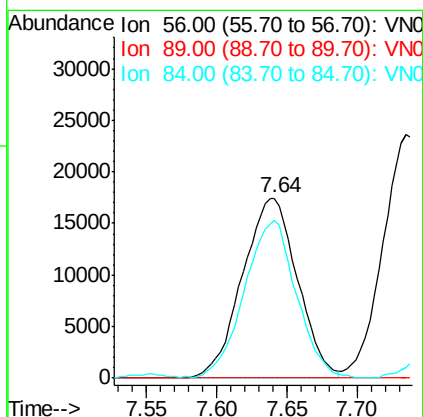
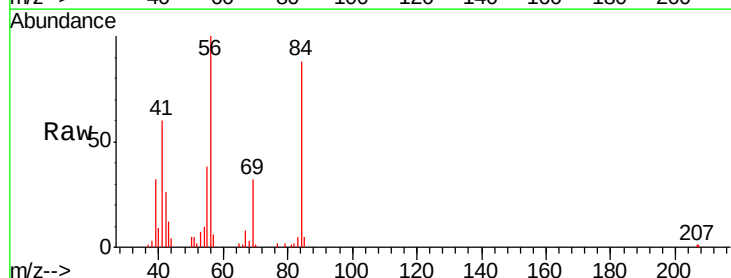
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

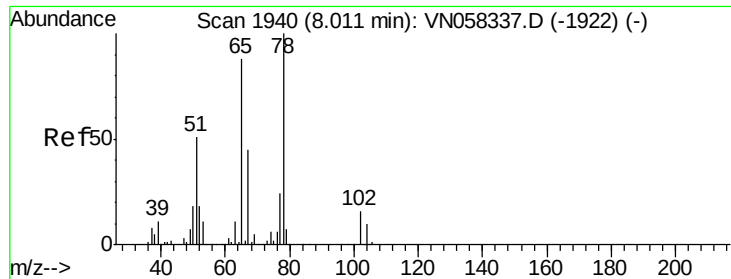
Tgt Ion: 83 Resp: 54188
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.6



#26
Cyclohexane
Concen: 5.305 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 56 Resp: 47511
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 82.9 66.9 100.3

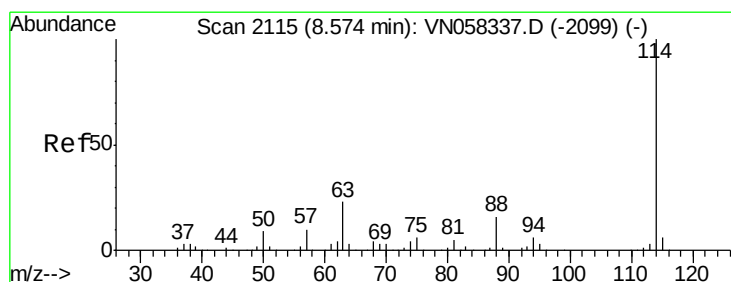
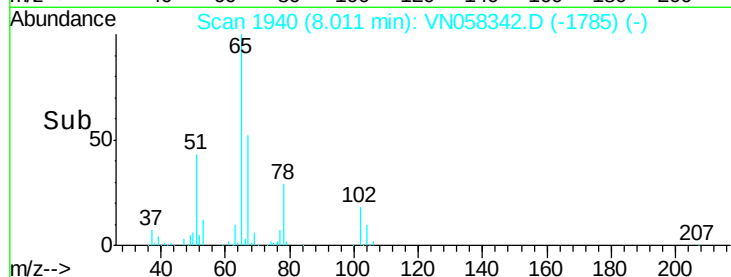
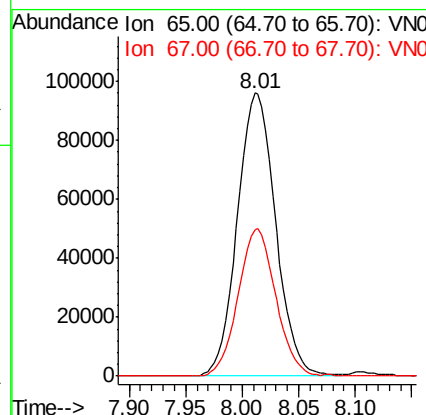
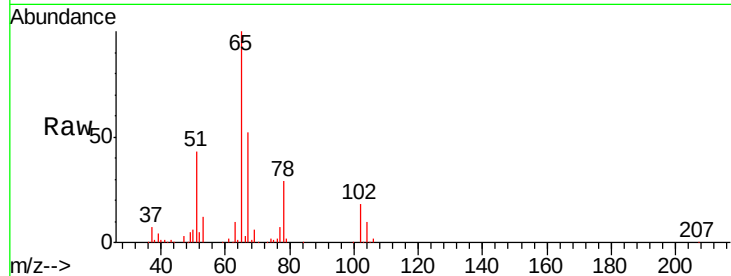




#27
 1,2-Dichloroethane-d4
 Concen: 30.831 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

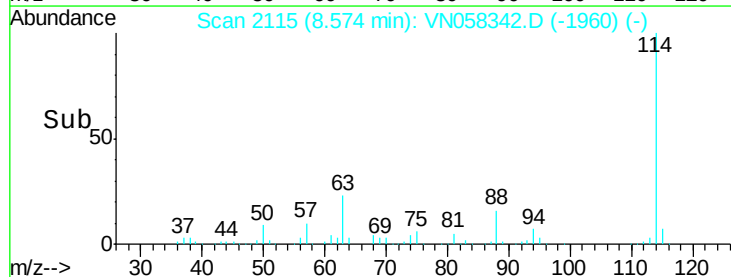
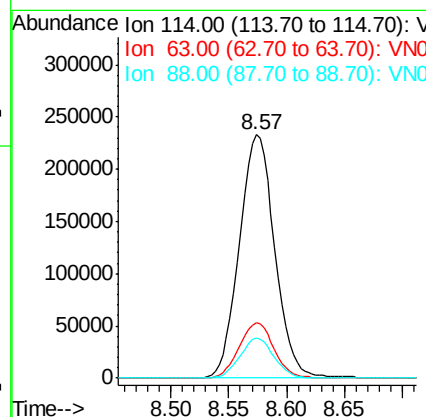
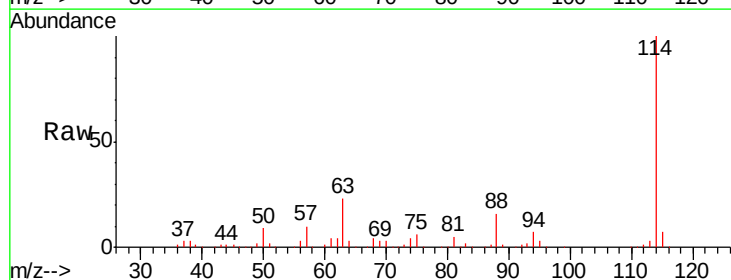
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

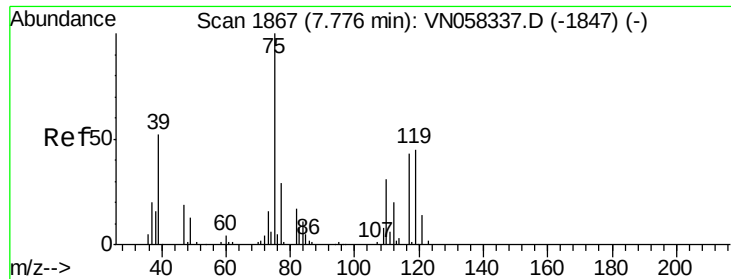
Tgt Ion: 65 Resp: 226507
 Ion Ratio Lower Upper
 65 100
 67 51.0 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 114 Resp: 492844
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.8 26.8
 88 15.9 12.7 19.1

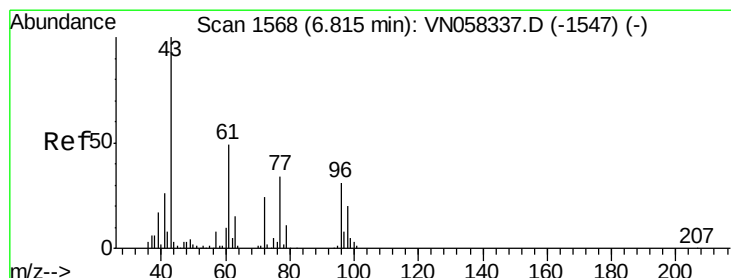
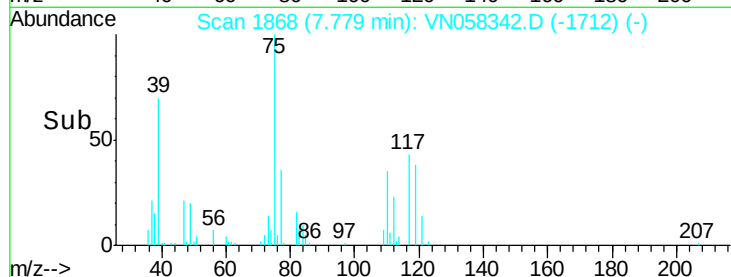
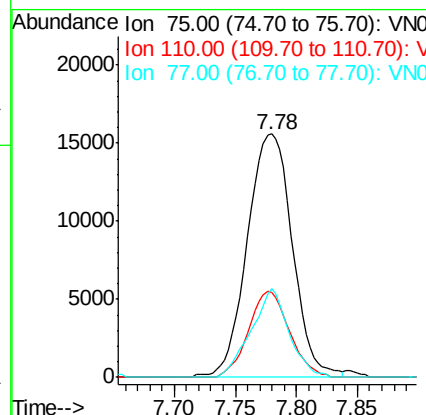
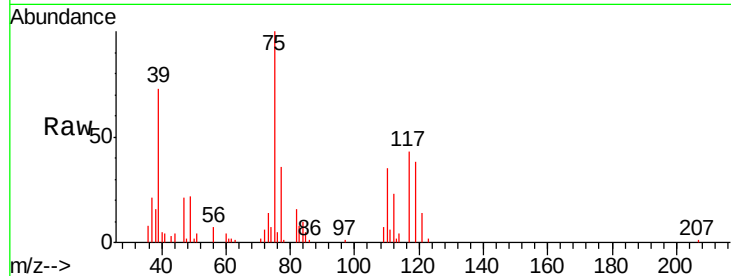




#29
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

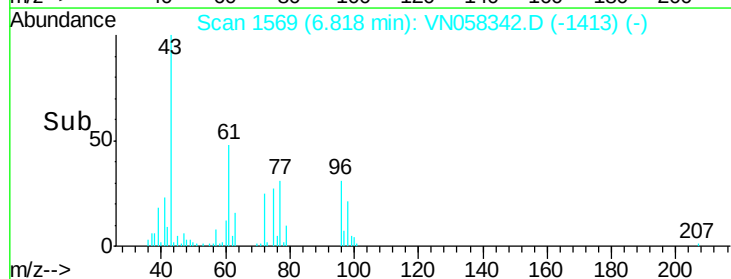
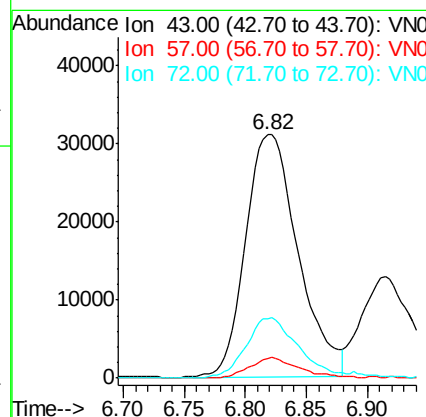
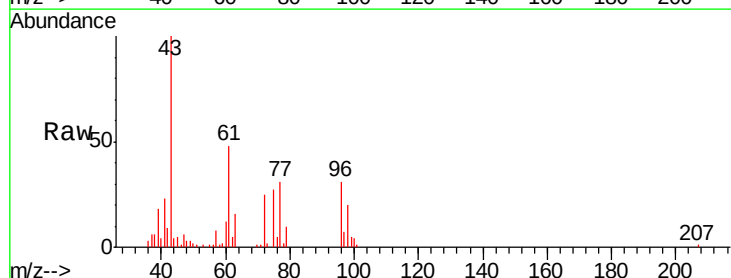
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

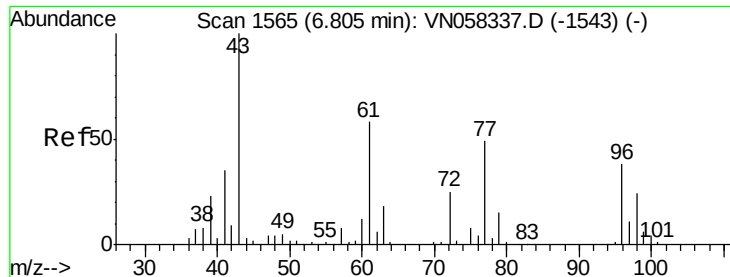
Tgt Ion: 75 Resp: 39900
 Ion Ratio Lower Upper
 75 100
 110 32.0 0.0 63.6
 77 30.3 0.0 59.4



#30
 2-Butanone
 Concen: 26.338 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 43 Resp: 93040
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.2 9.4
 72 24.7 20.3 30.5

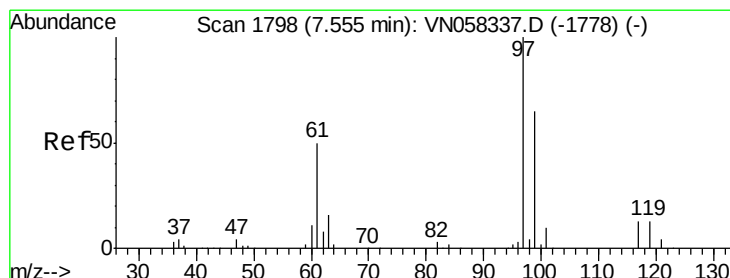
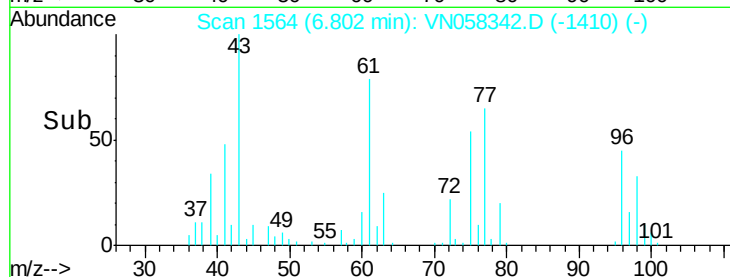
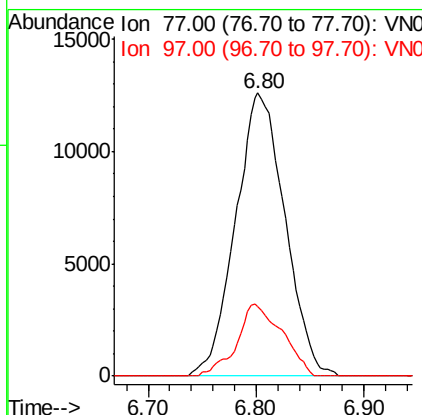
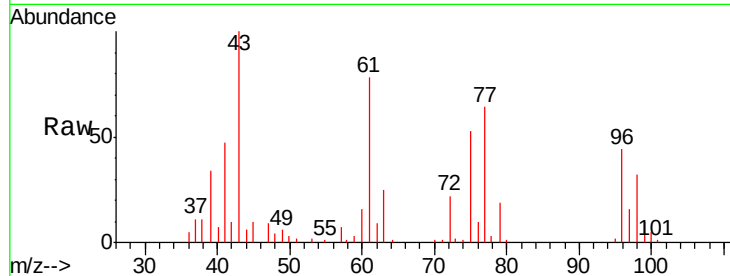




#31
 2,2-Dichloropropane
 Concen: 4.838 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

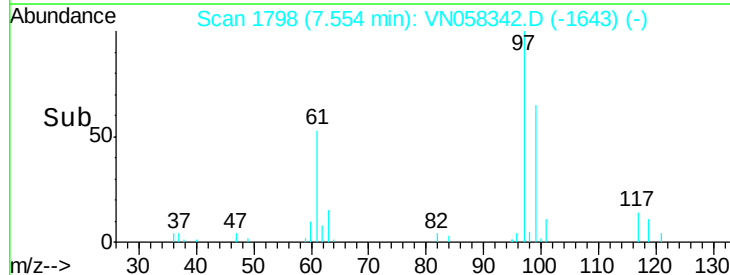
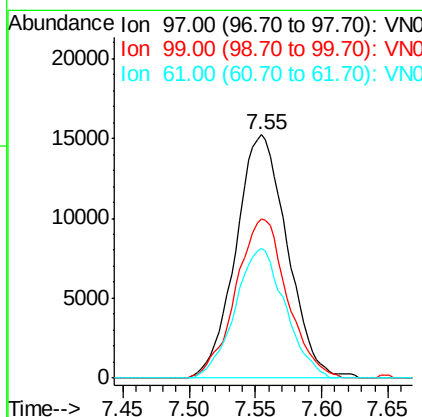
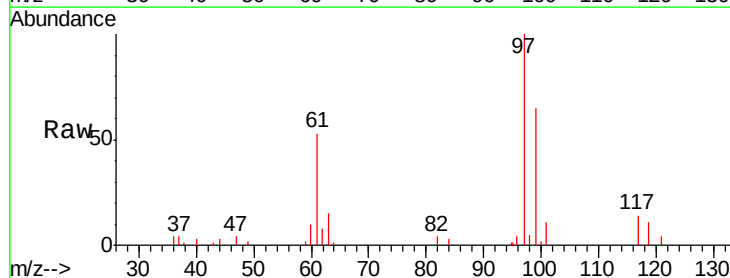
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

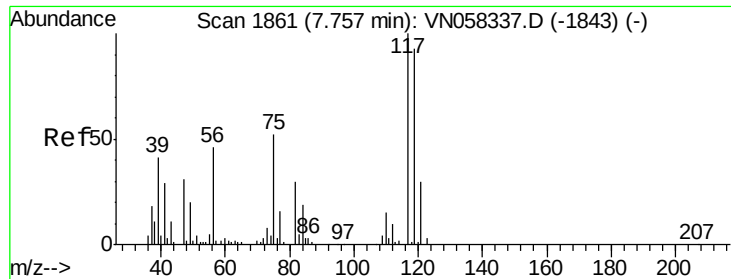
Tgt Ion: 77 Resp: 40129
 Ion Ratio Lower Upper
 77 100
 97 23.3 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 4.668 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 97 Resp: 40898
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.8 77.6
 61 52.1 39.4 59.2





#33

Carbon Tetrachloride

Concen: 4.746 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

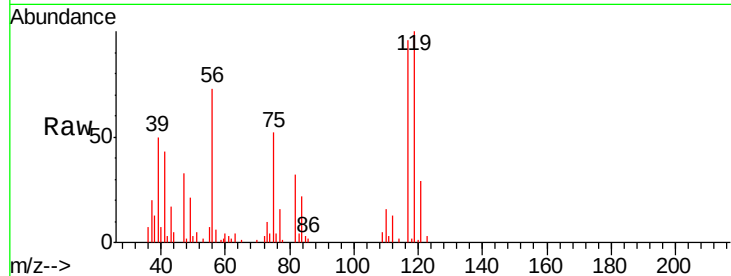
Tgt Ion:117 Resp: 34401

Ion Ratio Lower Upper

117 100

119 103.9 74.2 111.4

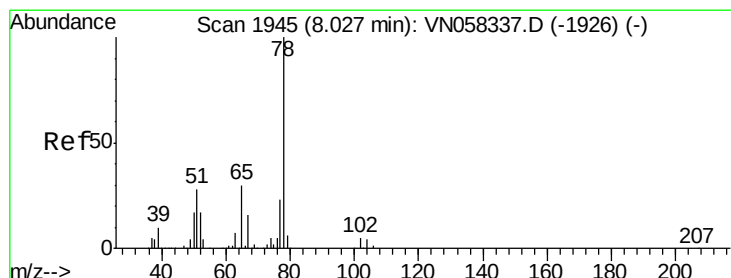
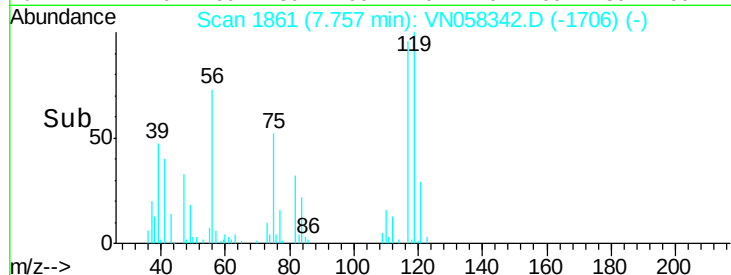
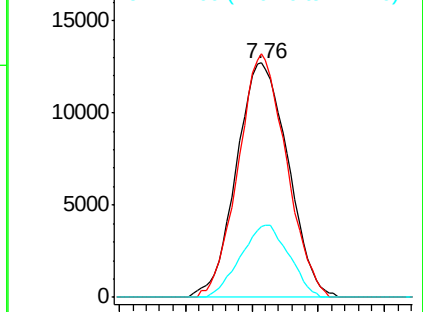
121 30.3 23.9 35.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 5.045 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

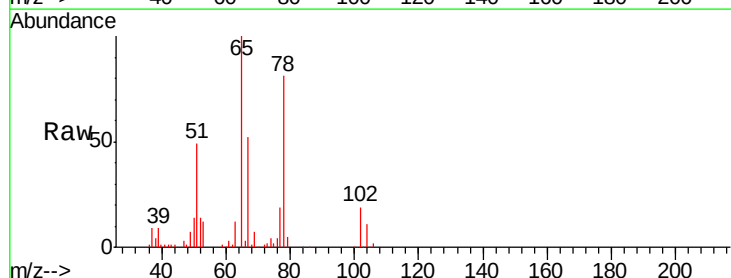
Tgt Ion: 78 Resp: 116626

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2

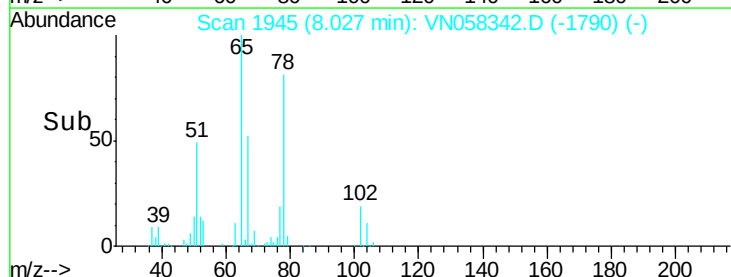
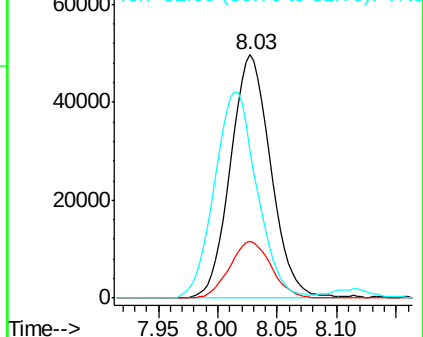
51 57.4 22.4 33.6#

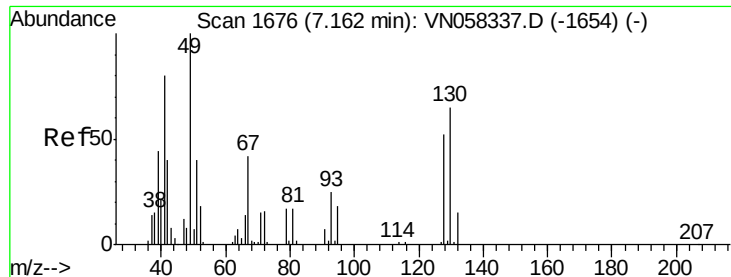


Abundance Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

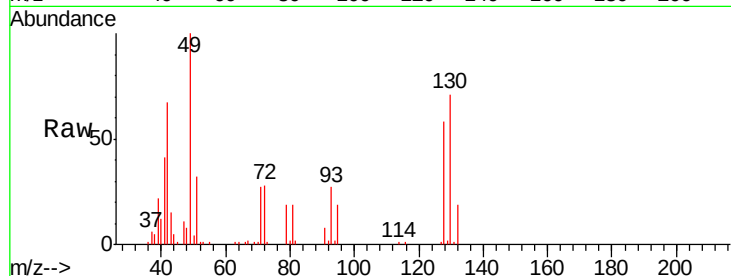




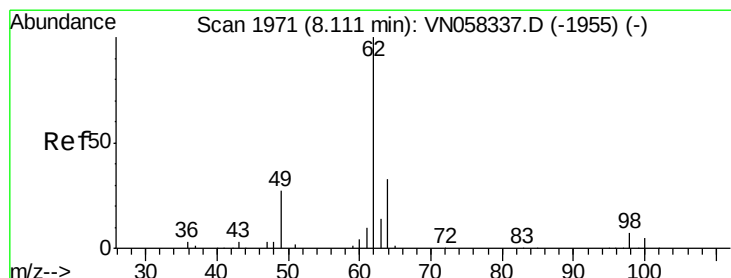
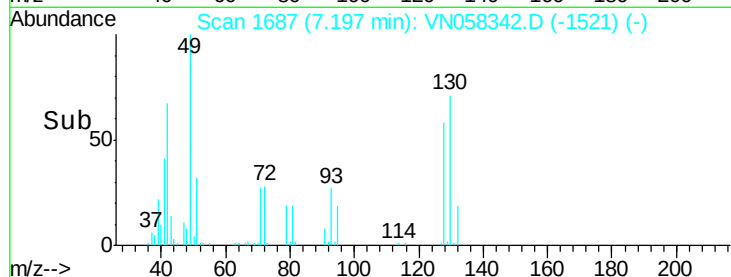
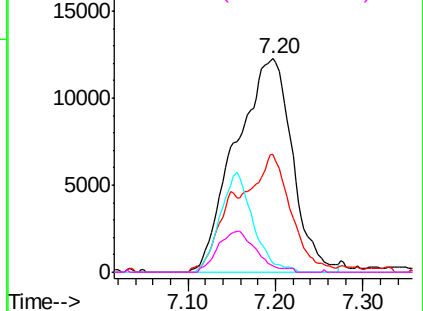
#35
Methacrylonitrile
Concen: 16.503 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 55046
Ion Ratio Lower Upper
41 100
39 54.9 27.3 81.9
67 4.2 26.3 78.9#
52 3.0 11.0 33.0#

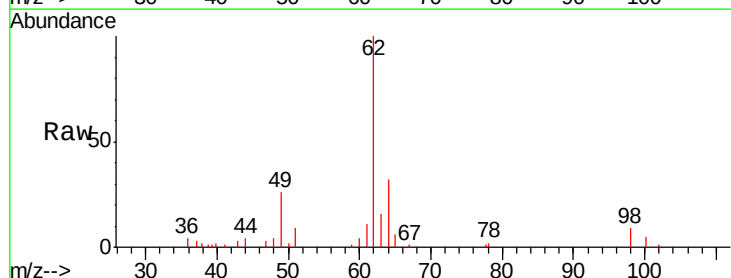


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

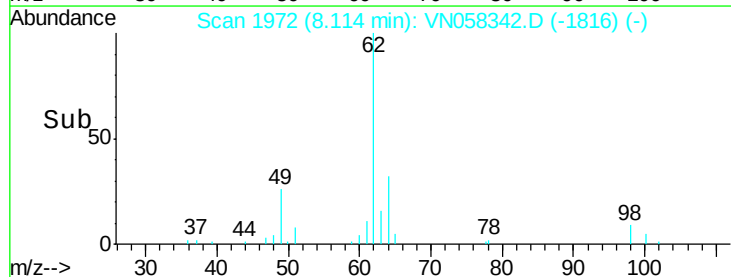
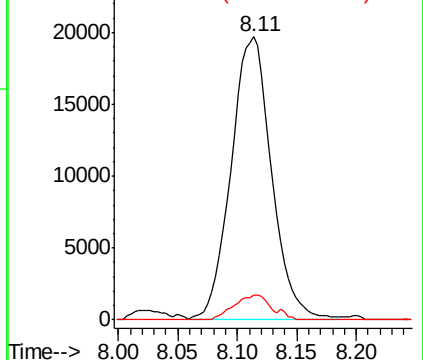


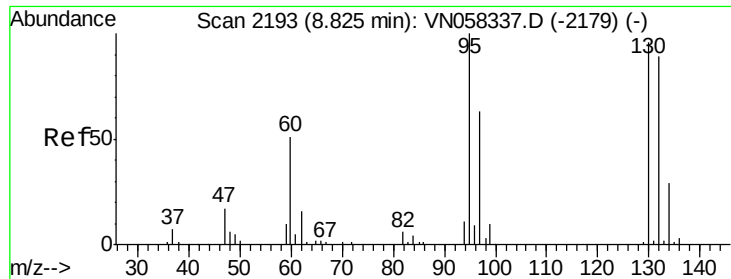
#36
1,2-Dichloroethane
Concen: 5.194 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 62 Resp: 46550
Ion Ratio Lower Upper
62 100
98 7.5 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

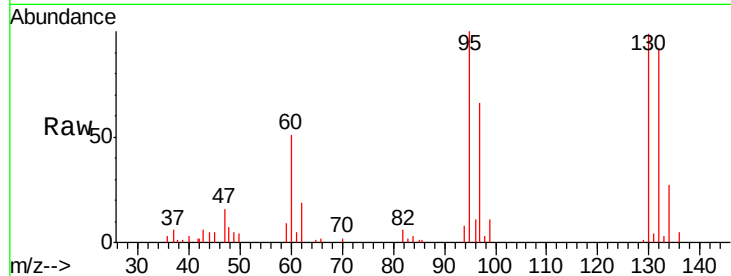




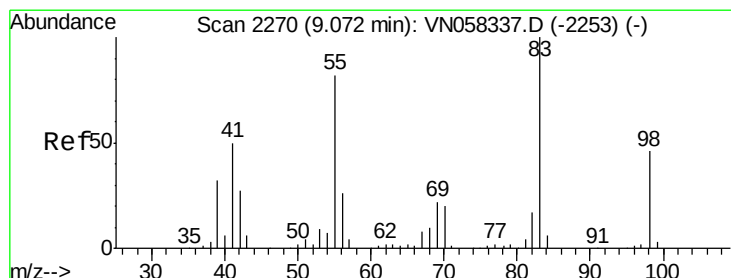
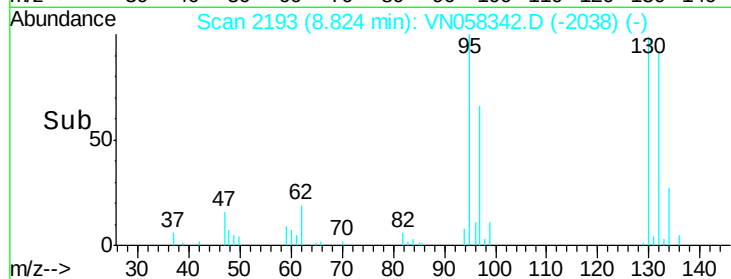
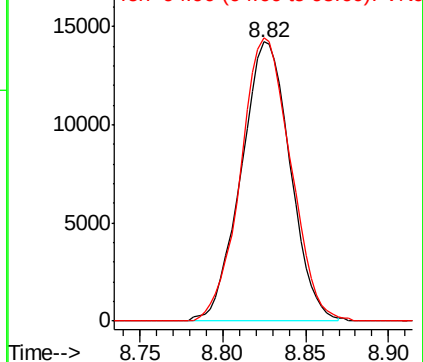
#37
 Trichloroethene
 Concen: 5.178 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 29243
 Ion Ratio Lower Upper
 130 100
 95 101.4 83.3 124.9

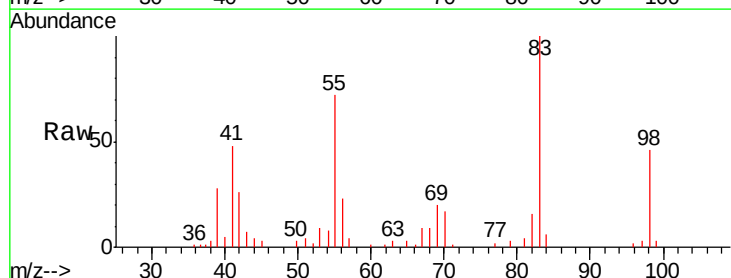


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

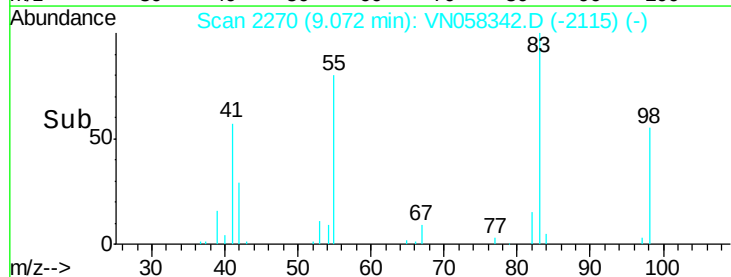
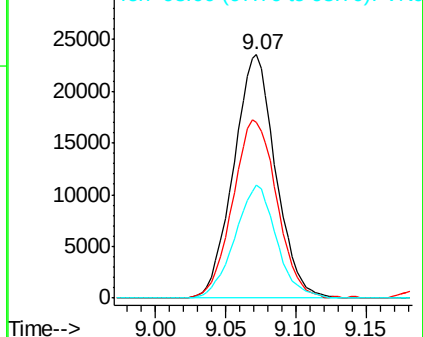


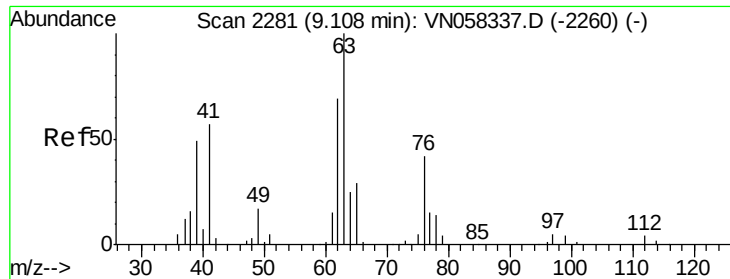
#38
 Methylcyclohexane
 Concen: 5.434 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 83 Resp: 49119
 Ion Ratio Lower Upper
 83 100
 55 76.4 40.5 121.4
 98 45.8 23.1 69.2



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

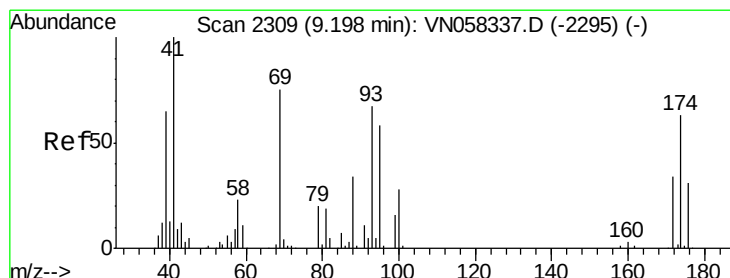
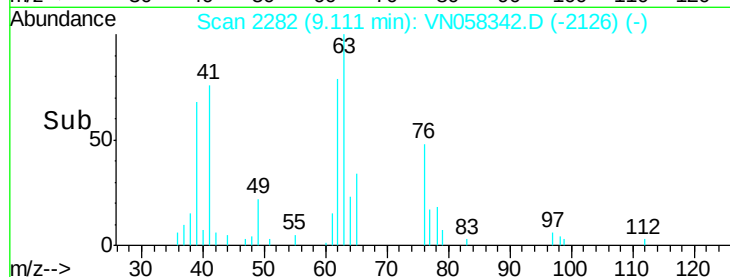
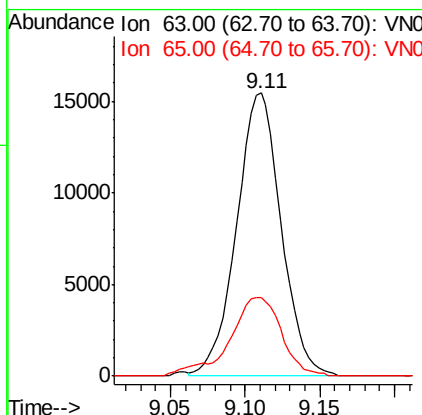
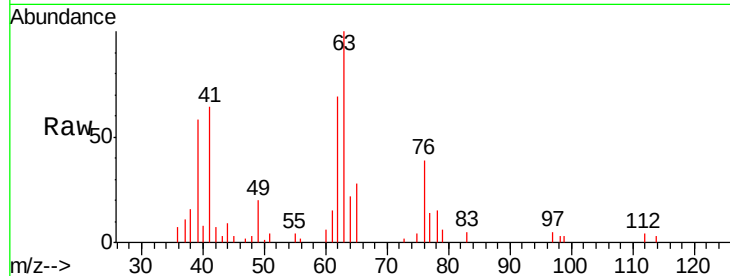




#39
 1,2-Dichloropropane
 Concen: 4.974 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

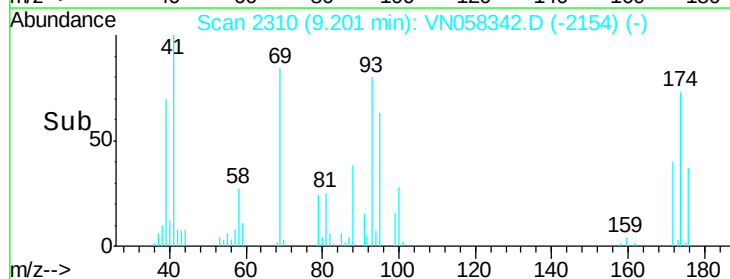
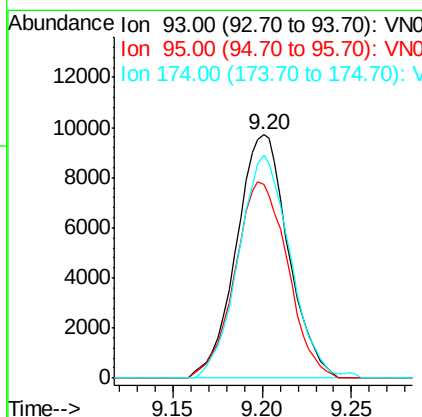
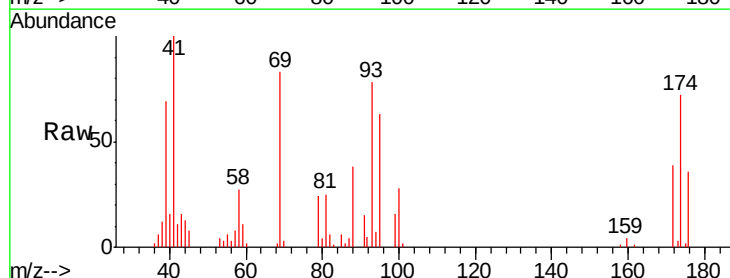
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

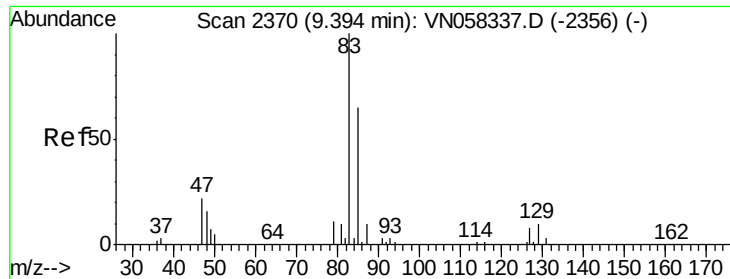
Tgt Ion: 63 Resp: 32057
 Ion Ratio Lower Upper
 63 100
 65 27.6 23.4 35.0



#40
 Dibromomethane
 Concen: 5.000 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 93 Resp: 19716
 Ion Ratio Lower Upper
 93 100
 95 81.8 0.0 166.8
 174 90.6 0.0 187.2





#41

Bromodichloromethane

Concen: 4.568 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.01 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

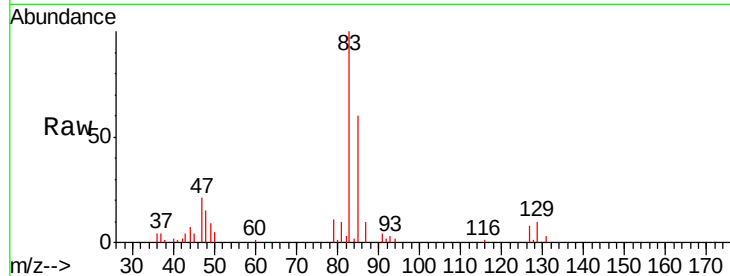
Tgt Ion: 83 Resp: 36329

Ion Ratio Lower Upper

83 100

85 60.2 52.0 78.0

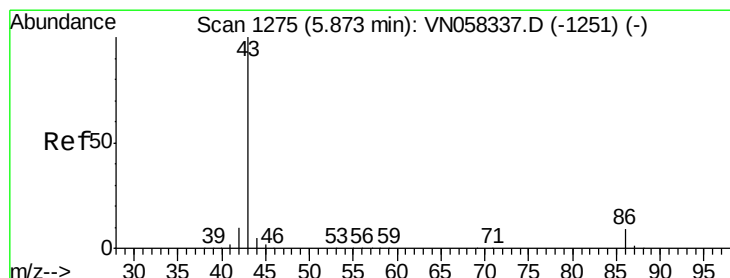
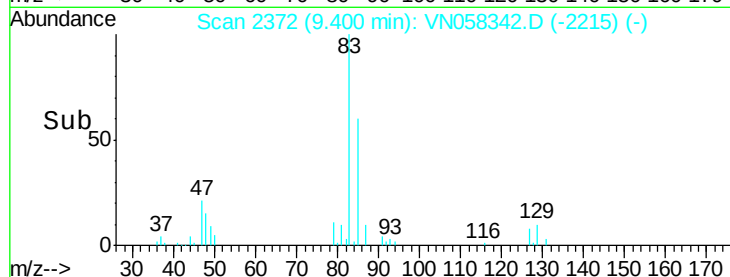
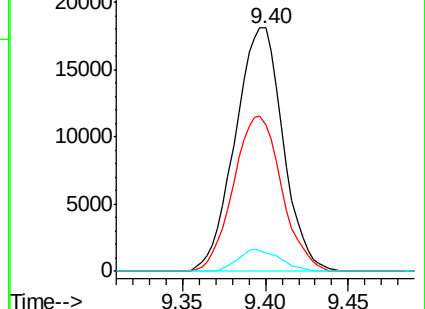
127 7.6 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN058337.D (-2356) (-)

Ion 85.00 (84.70 to 85.70): VN058337.D (-2356) (-)

Ion 127.00 (126.70 to 127.70): VN058337.D (-2356) (-)



#42

Vinyl Acetate

Concen: 25.211 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN058342.D

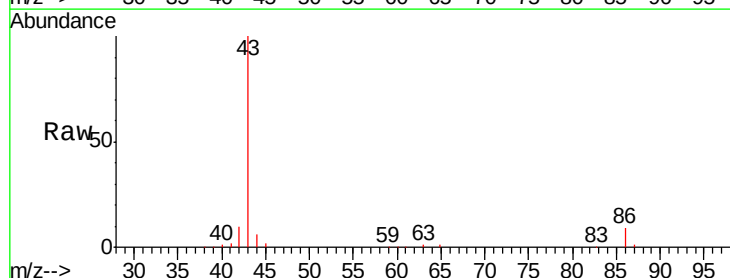
Acq: 24 Sep 2019 12:21

Tgt Ion: 43 Resp: 357069

Ion Ratio Lower Upper

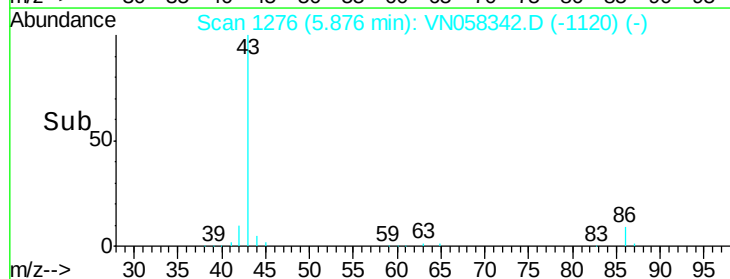
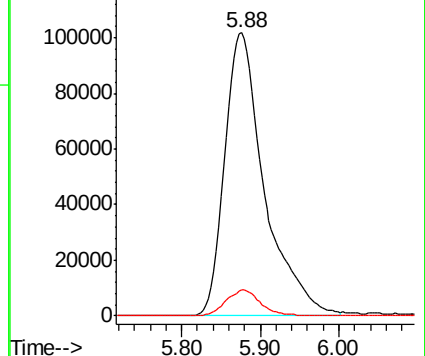
43 100

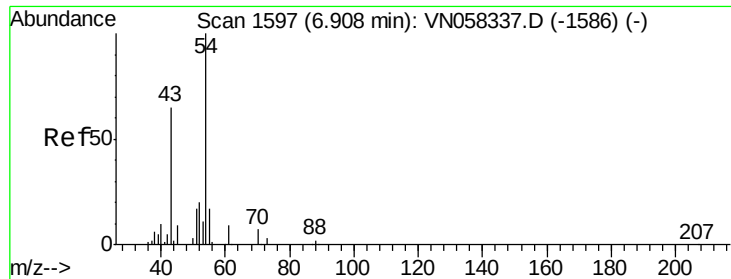
86 7.8 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN058337.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058337.D (-1251) (-)





#43

Ethyl Acetate

Concen: 4.591 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

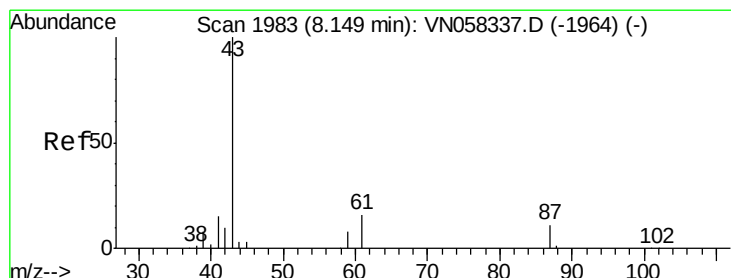
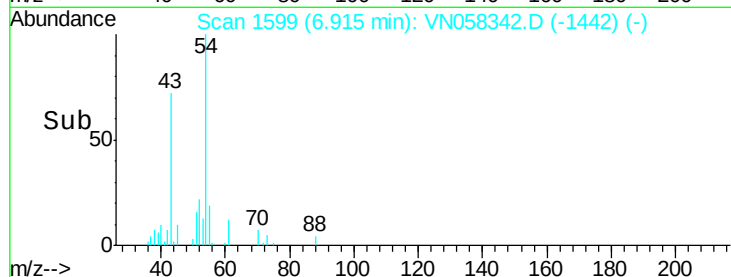
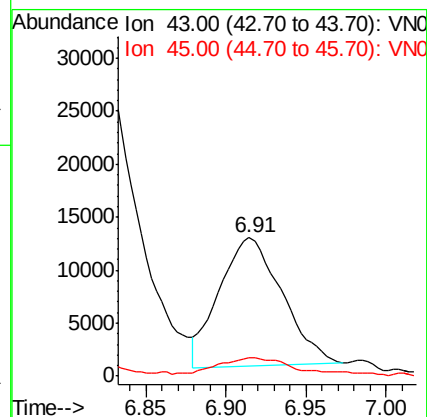
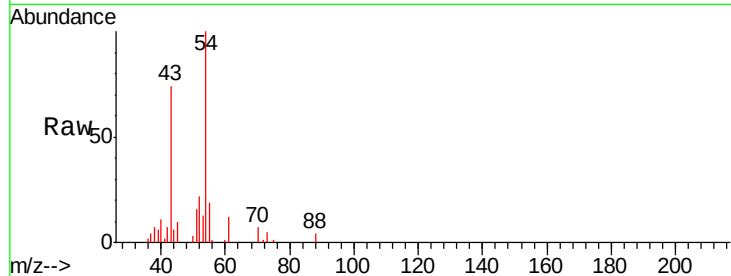
VSTDIC005

Tgt Ion: 43 Resp: 32813

Ion Ratio Lower Upper

43 100

45 8.0 9.8 14.6#



#44

Isopropyl Acetate

Concen: 4.962 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058342.D

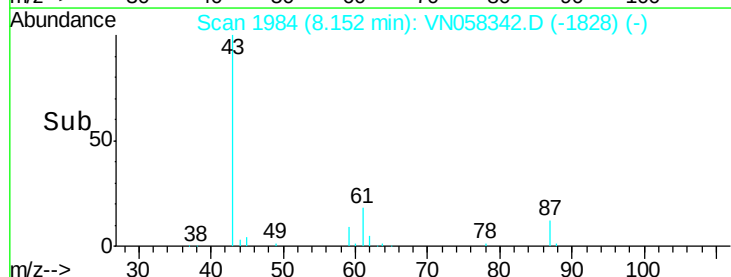
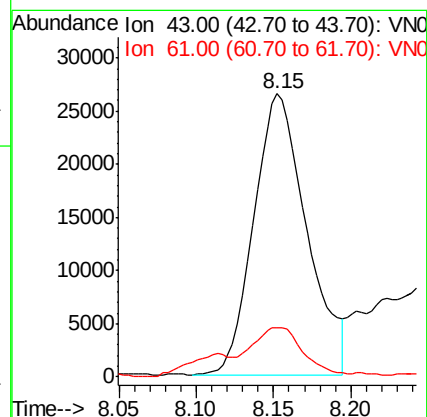
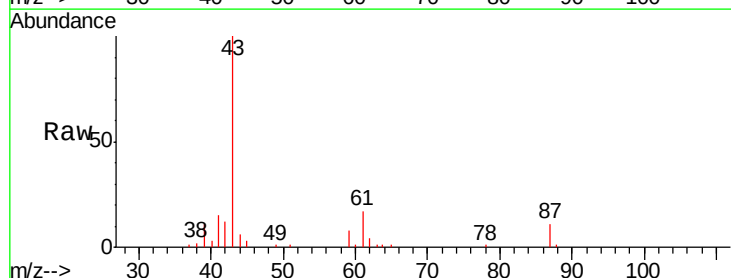
Acq: 24 Sep 2019 12:21

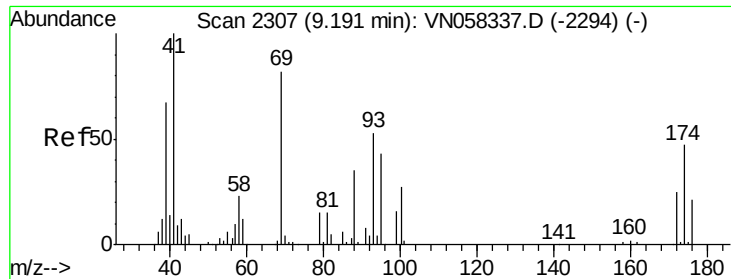
Tgt Ion: 43 Resp: 62918

Ion Ratio Lower Upper

43 100

61 15.1 14.4 21.6

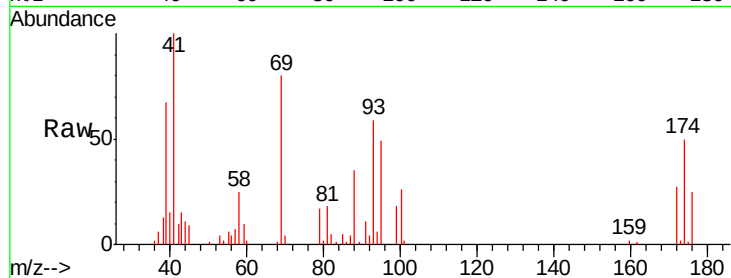




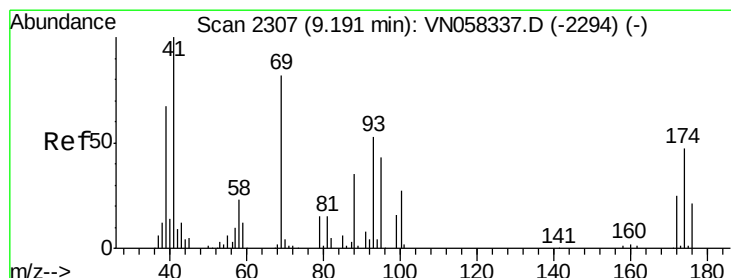
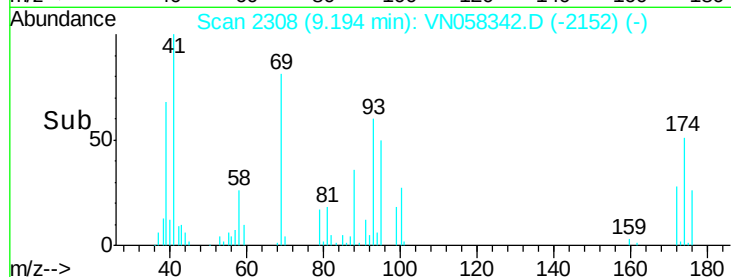
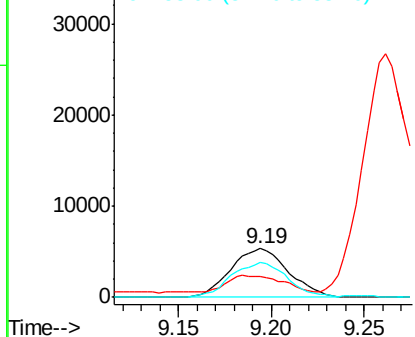
#45
1,4-Dioxane
Concen: 114.400 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 11600
Ion Ratio Lower Upper
88 100
43 31.2 27.2 40.8
58 70.3 55.4 83.0

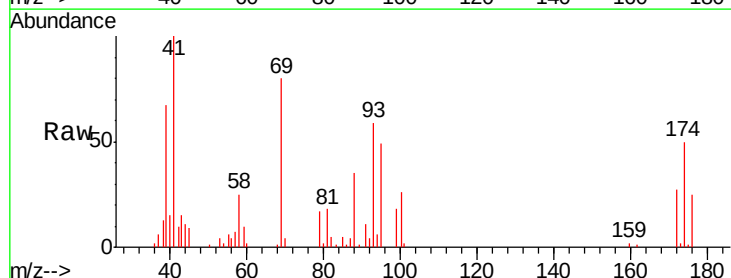


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

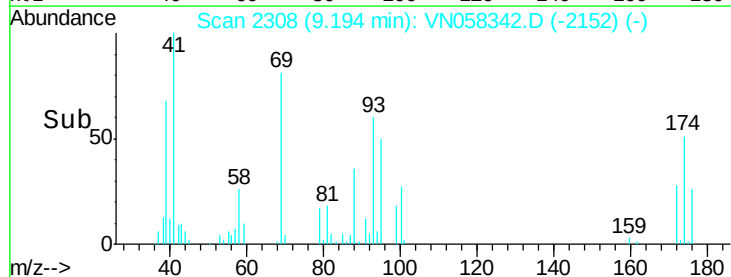
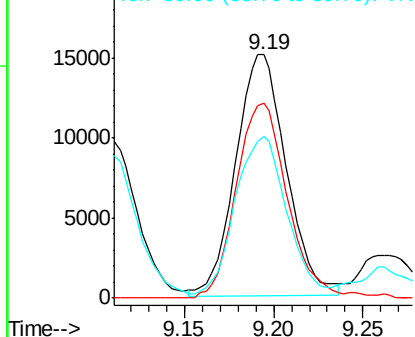


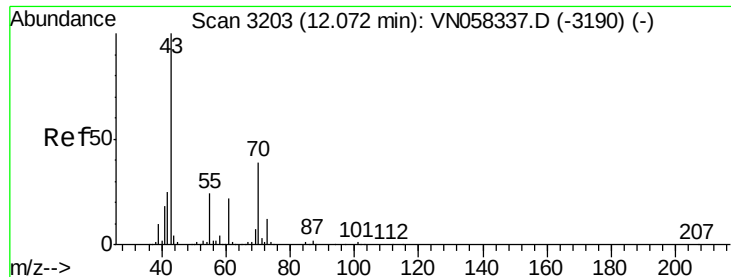
#46
Methyl methacrylate
Concen: 4.873 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 41 Resp: 29872
Ion Ratio Lower Upper
41 100
69 82.9 40.9 122.7
39 66.8 33.6 100.6



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





#47

n-amyI Acetate

Concen: 4.292 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

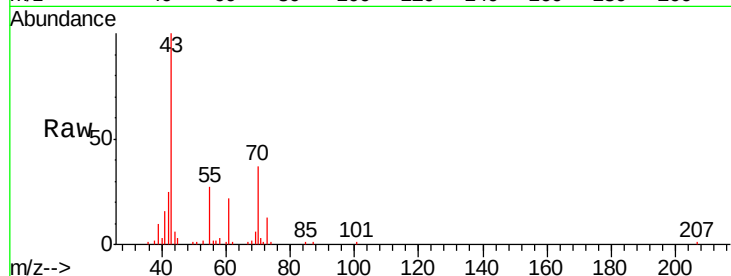
VSTDIC005

Tgt Ion: 43 Resp: 49315

Ion Ratio Lower Upper

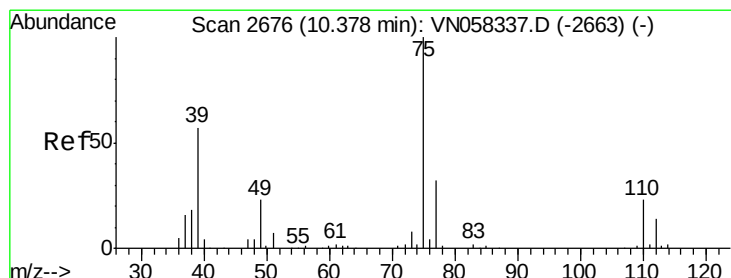
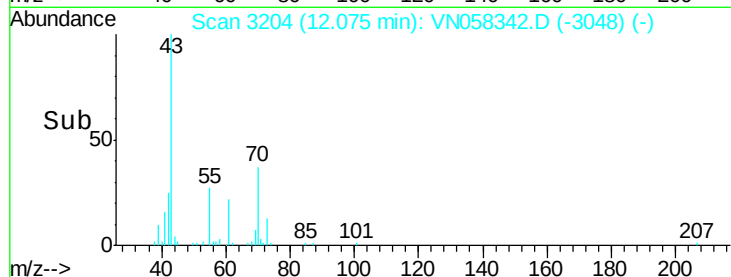
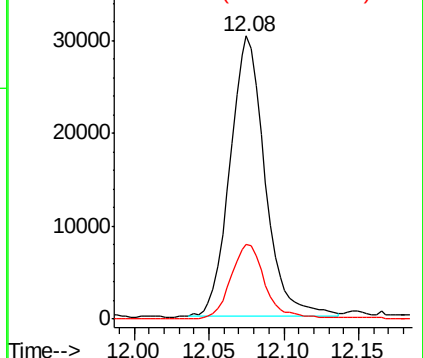
43 100

55 26.1 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 4.244 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058342.D

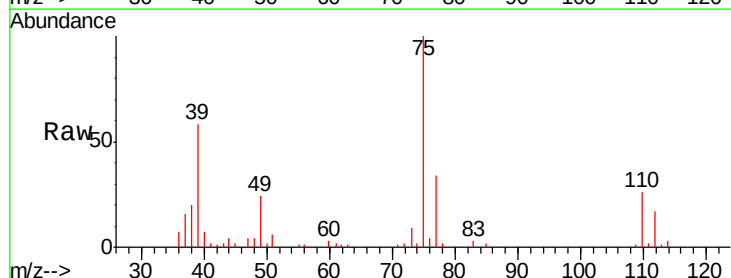
Acq: 24 Sep 2019 12:21

Tgt Ion: 75 Resp: 36141

Ion Ratio Lower Upper

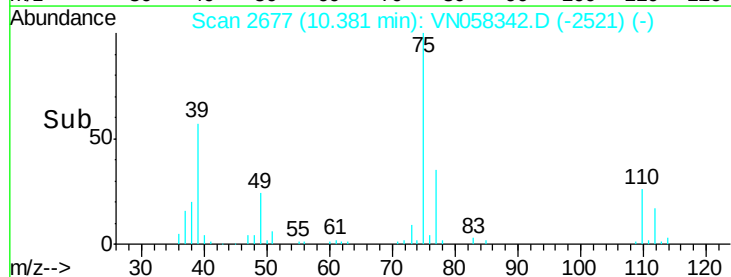
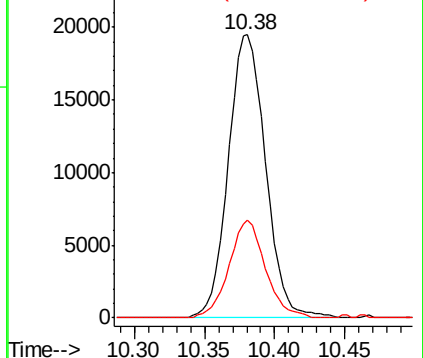
75 100

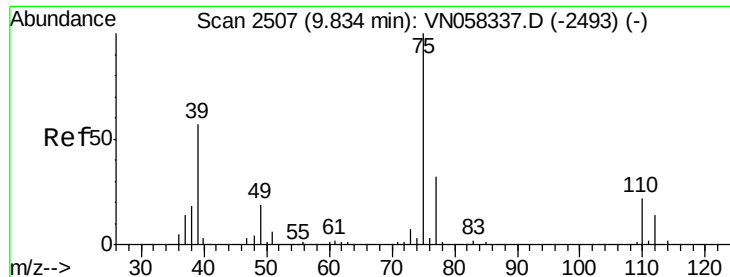
77 34.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



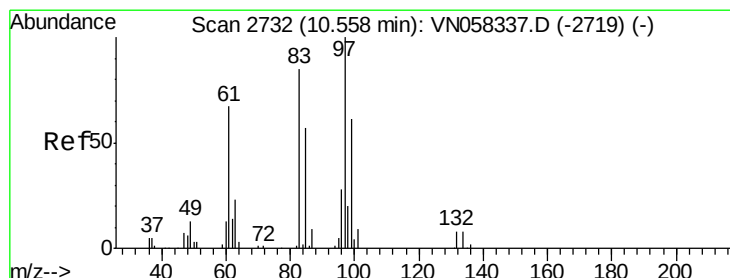
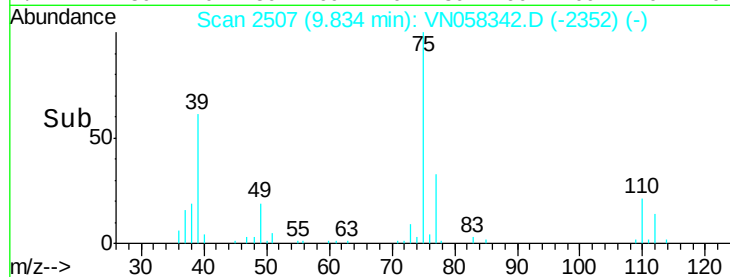
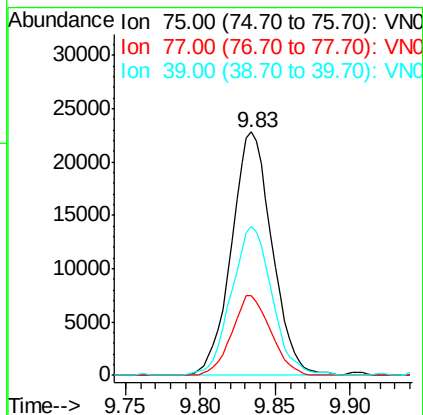
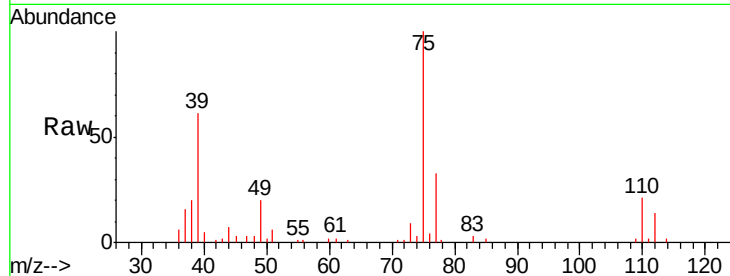


#49

cis-1,3-Dichloropropene
Concen: 4.492 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

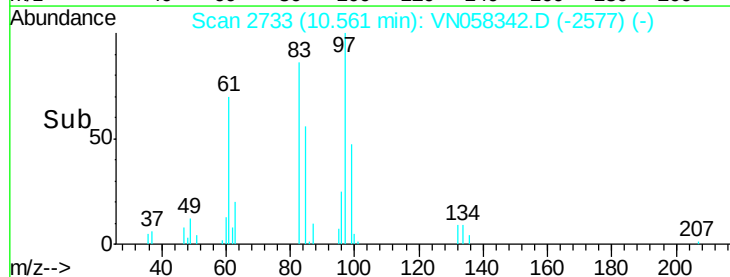
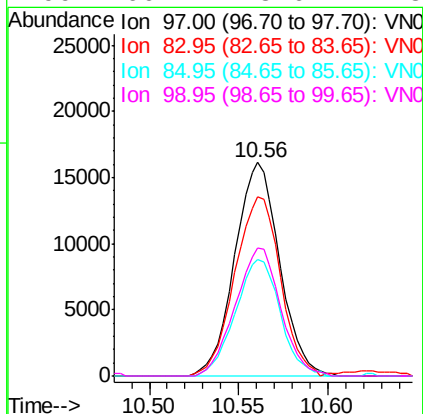
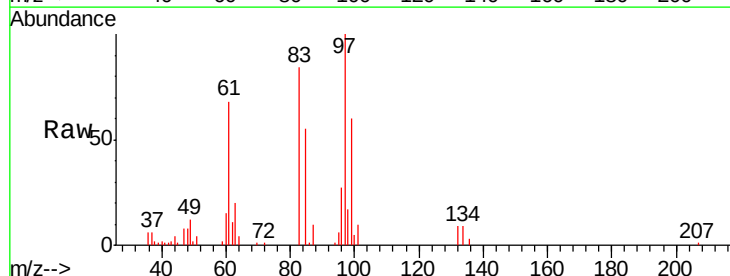
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.2	37.8
39	61.3	45.8	68.6

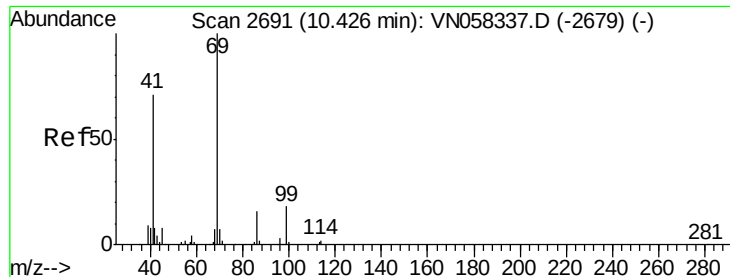


#50

1,1,2-Trichloroethane
Concen: 4.958 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.8	101.6
85	54.8	45.8	68.6
99	60.2	48.6	72.8





#51

Ethyl methacrylate

Concen: 4.479 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

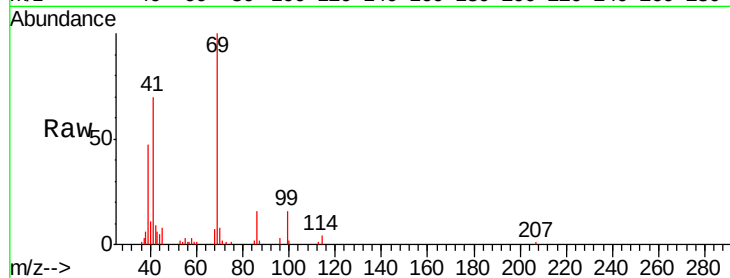
Tgt Ion: 69 Resp: 39709

Ion Ratio Lower Upper

69 100

41 69.4 35.4 106.1

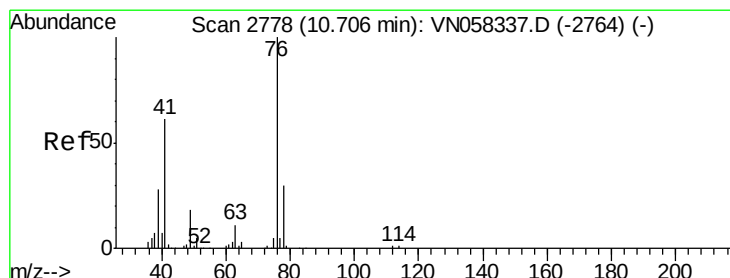
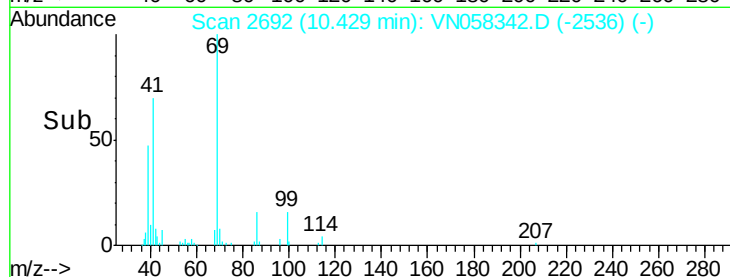
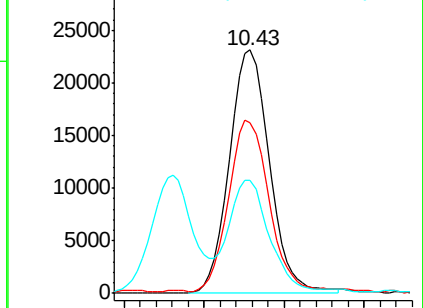
39 45.1 23.5 70.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 4.812 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058342.D

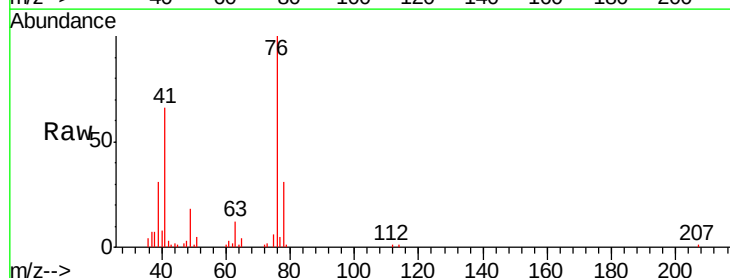
Acq: 24 Sep 2019 12:21

Tgt Ion: 76 Resp: 48096

Ion Ratio Lower Upper

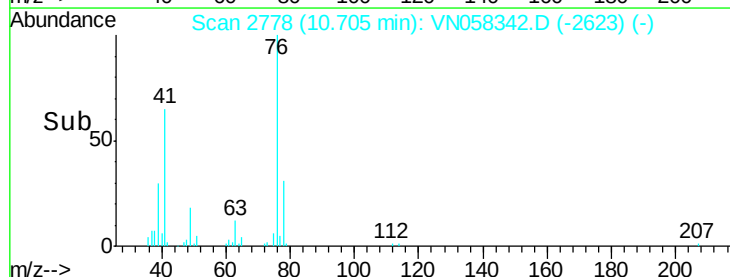
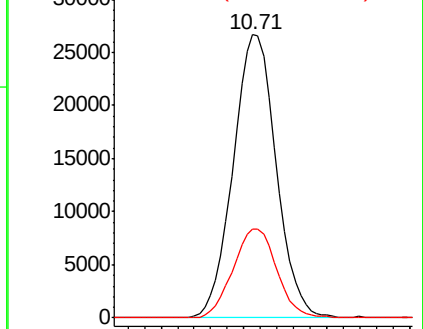
76 100

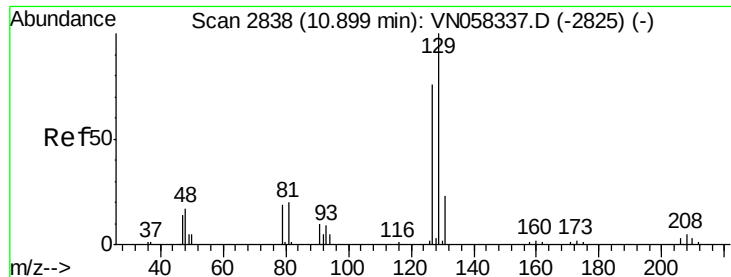
78 31.8 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 4.198 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

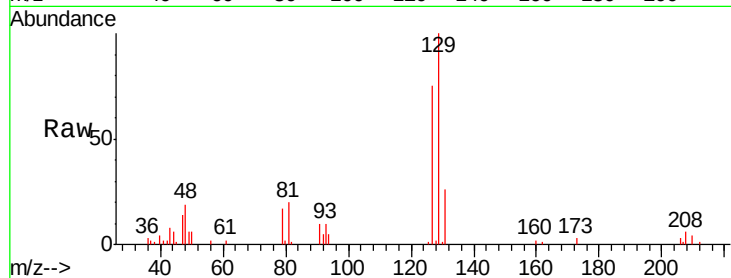
VSTDIC005

Tgt Ion:129 Resp: 23839

Ion Ratio Lower Upper

129 100

127 75.3 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

15000

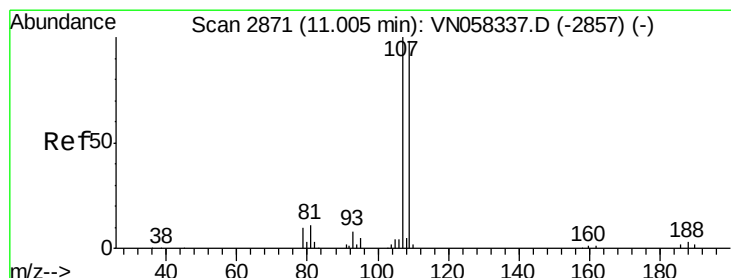
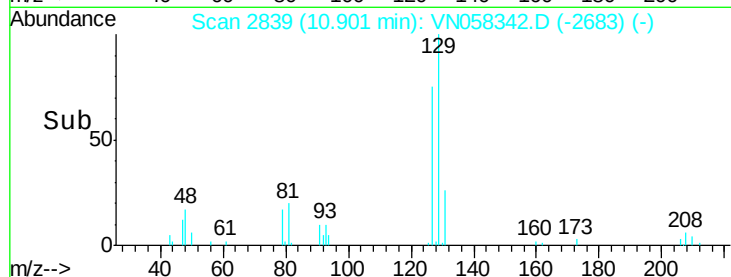
10000

5000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 4.698 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN058342.D

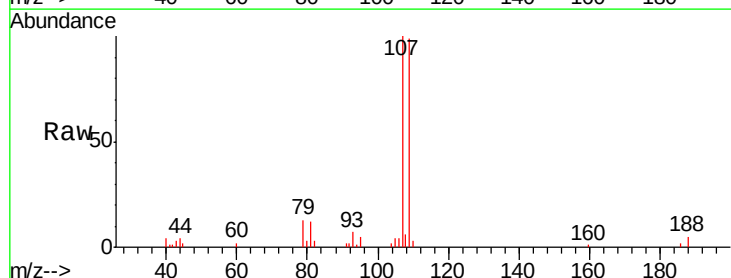
Acq: 24 Sep 2019 12:21

Tgt Ion:107 Resp: 26756

Ion Ratio Lower Upper

107 100

109 98.9 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

15000

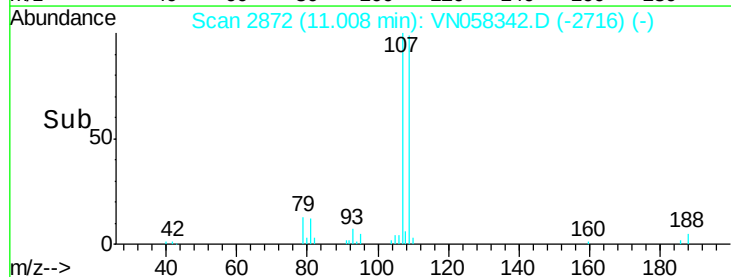
10000

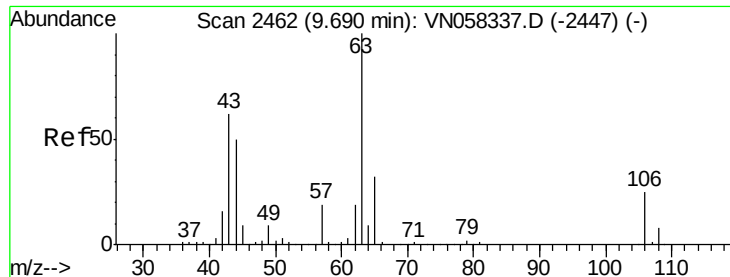
5000

0

Time-->

10.95 11.00 11.05





#55

2-Chloroethyl vinyl ether

Concen: 20.676 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

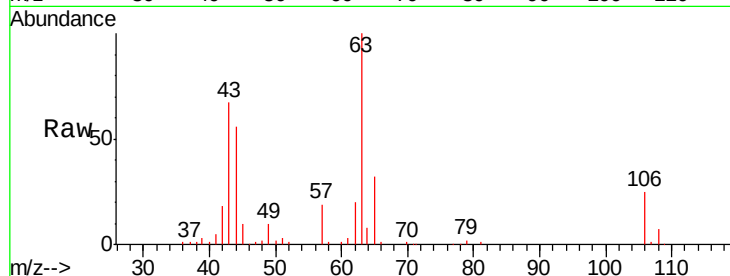
Tgt Ion: 63 Resp: 84231

Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.2

106 24.6 20.4 30.6

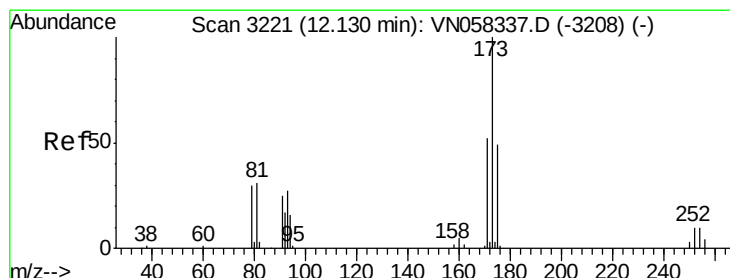
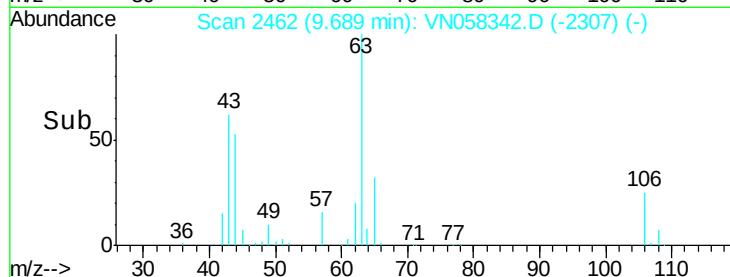


Abundance Ion 63.00 (62.70 to 63.70): VN058337.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058337.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058337.D (-2447) (-)

Time-->



#56

Bromoform

Concen: 3.879 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

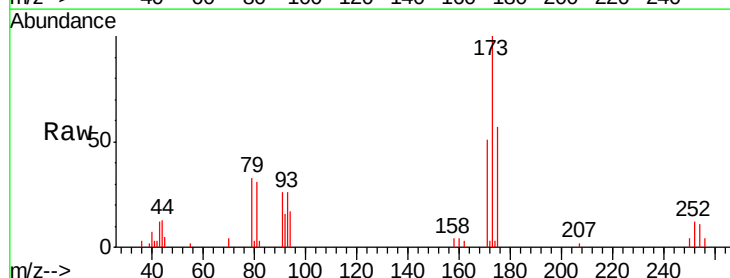
Tgt Ion: 173 Resp: 13639

Ion Ratio Lower Upper

173 100

175 52.4 38.8 58.2

254 9.6 7.8 11.8

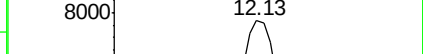
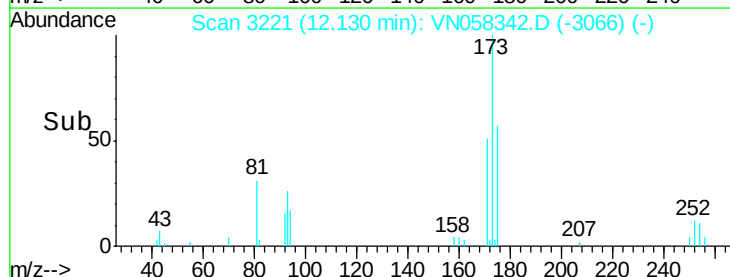


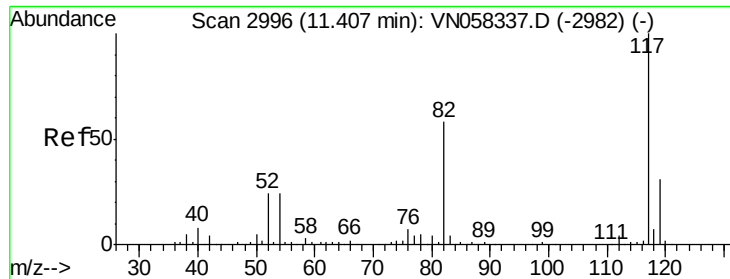
Abundance Ion 173.00 (172.70 to 173.70): VN058337.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058337.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058337.D (-3208) (-)

Time-->

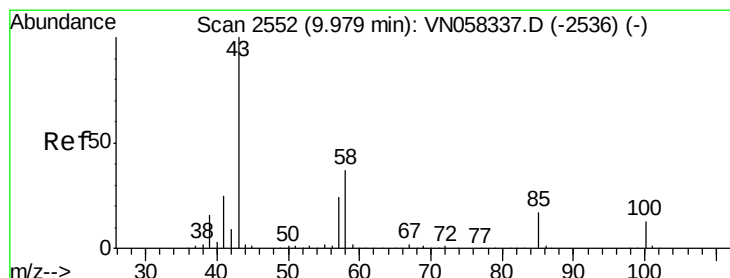
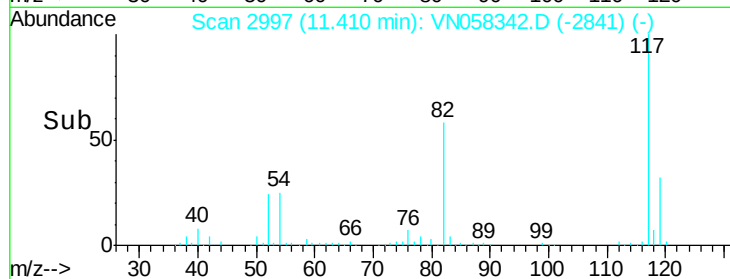
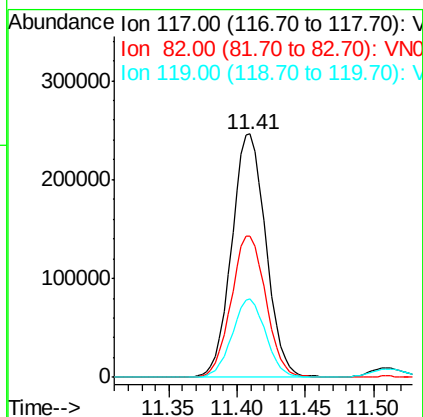
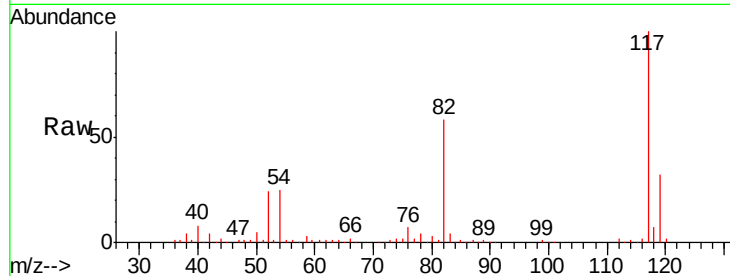




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

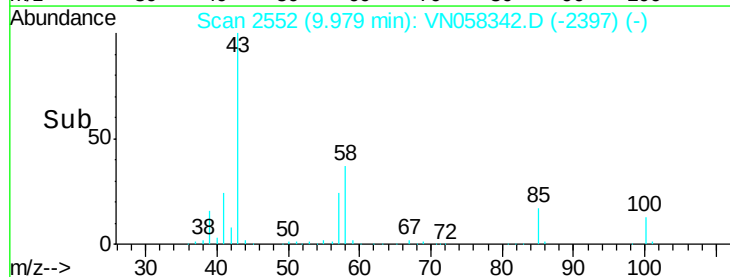
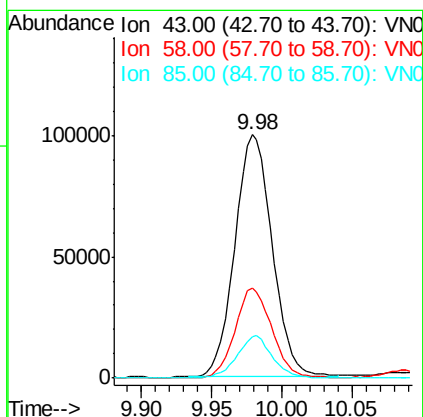
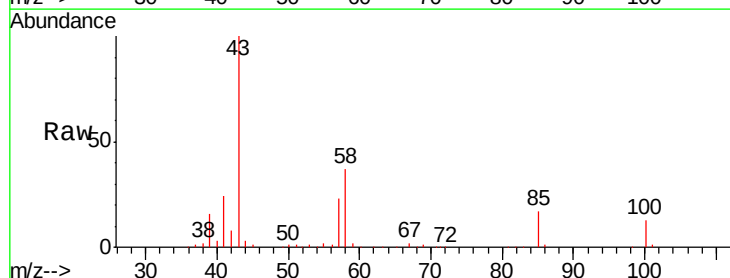
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

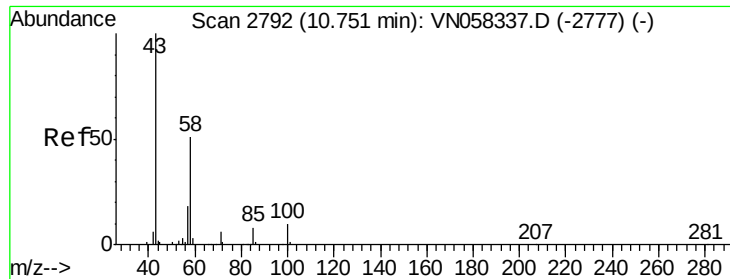
Tgt Ion: 117 Resp: 429036
Ion Ratio Lower Upper
117 100
82 59.0 46.4 69.6
119 31.8 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 27.788 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 43 Resp: 186444
Ion Ratio Lower Upper
43 100
58 36.5 29.3 43.9
85 16.3 13.1 19.7

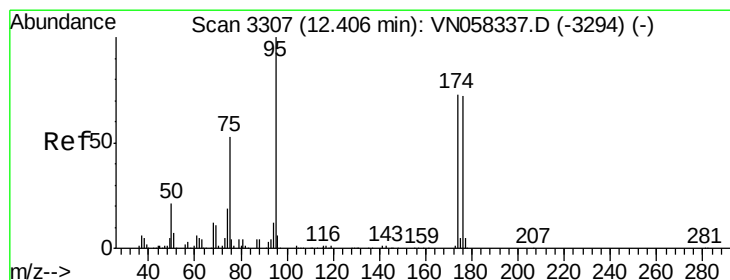
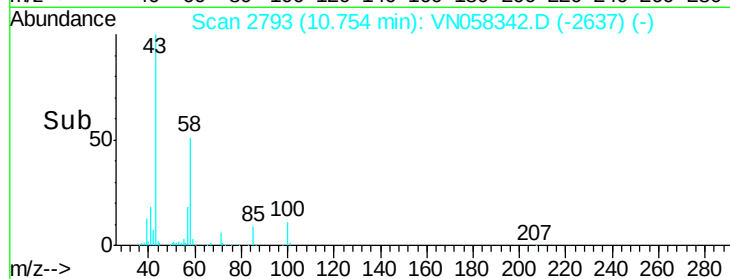
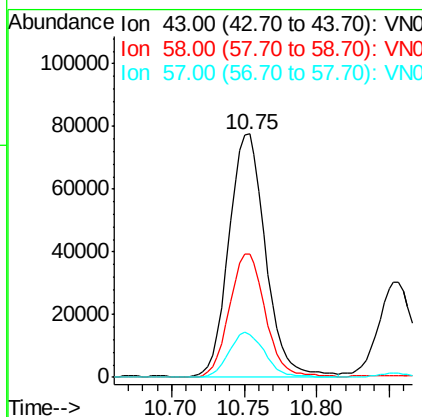
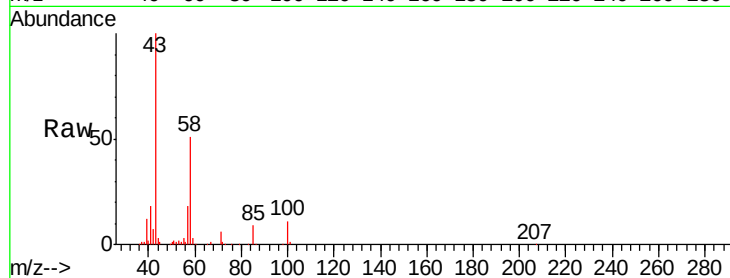




#59
2-Hexanone
Concen: 26.927 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

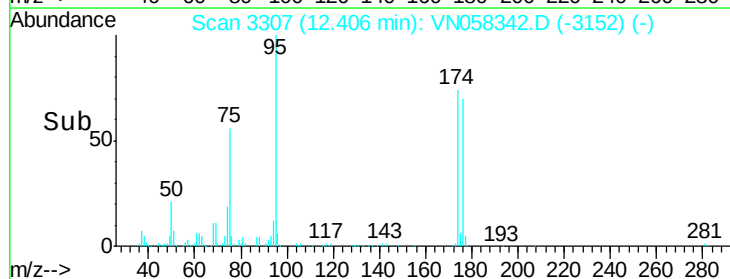
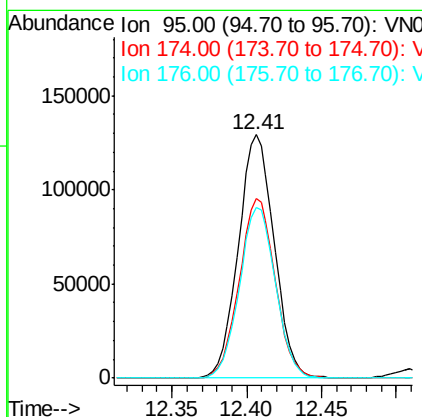
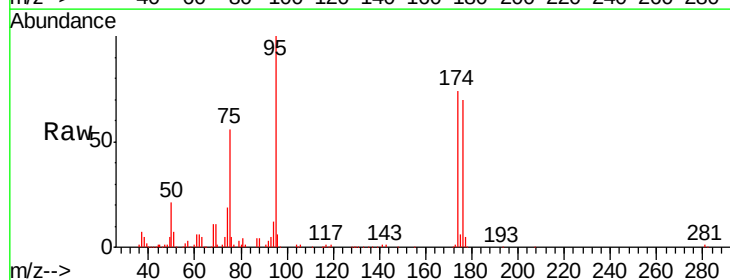
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

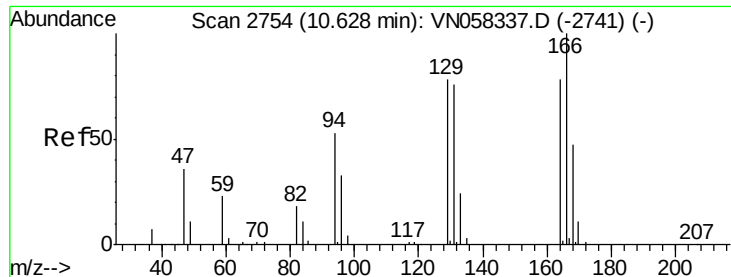
Tgt Ion: 43 Resp: 135698
Ion Ratio Lower Upper
43 100
58 50.2 40.7 61.1
57 18.4 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.227 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 95 Resp: 215559
Ion Ratio Lower Upper
95 100
174 73.8 59.0 88.6
176 70.5 58.2 87.2





#61

Tetrachloroethene

Concen: 5.072 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion:164 Resp: 22357

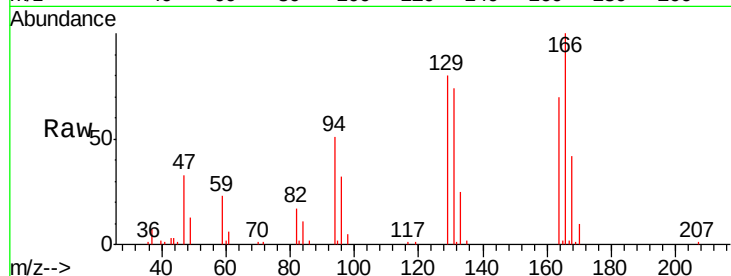
Ion Ratio Lower Upper

164 100

166 142.9 102.6 154.0

129 114.3 79.8 119.6

131 106.1 78.1 117.1

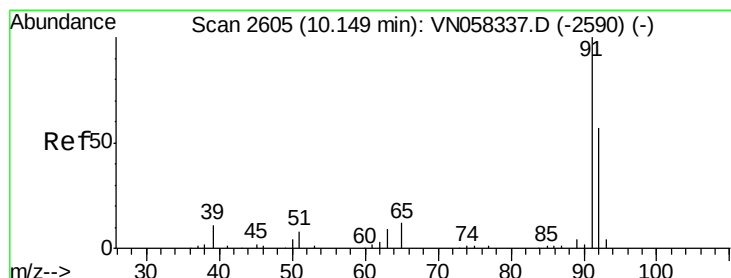
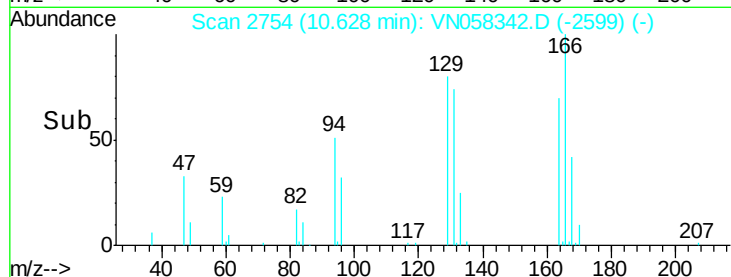
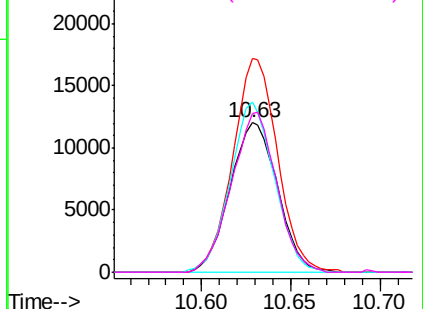


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 5.270 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058342.D

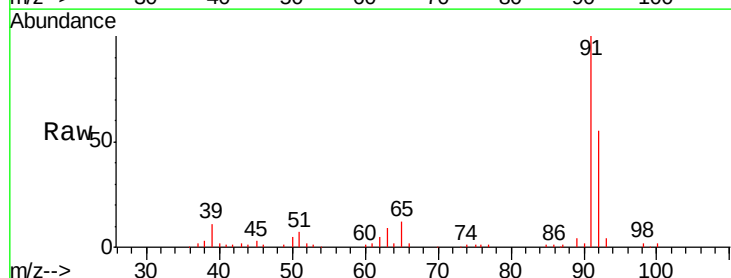
Acq: 24 Sep 2019 12:21

Tgt Ion: 91 Resp: 125643

Ion Ratio Lower Upper

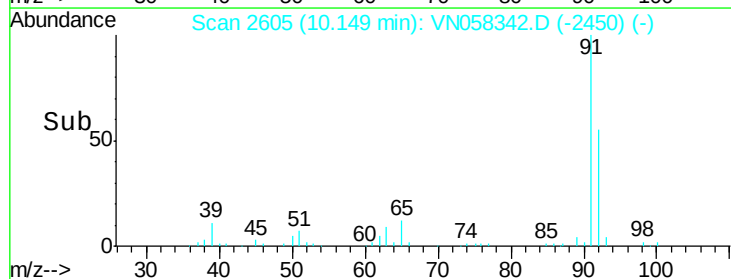
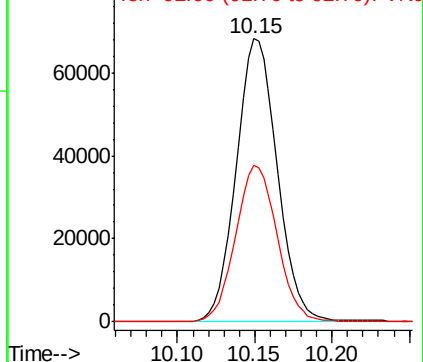
91 100

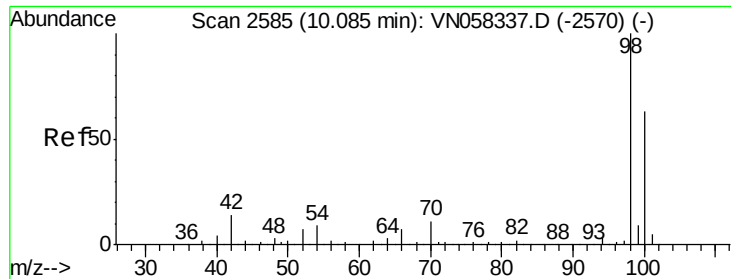
92 56.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

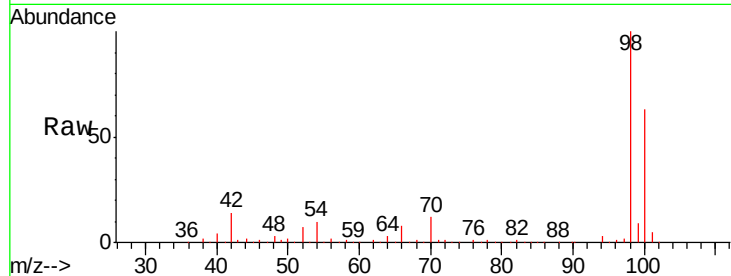




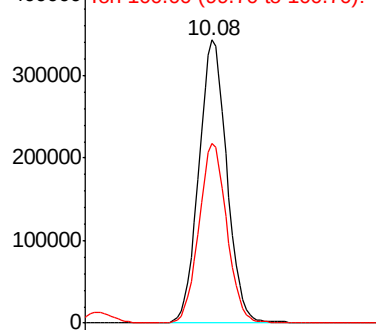
#63
Toluene-d8
Concen: 30.361 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

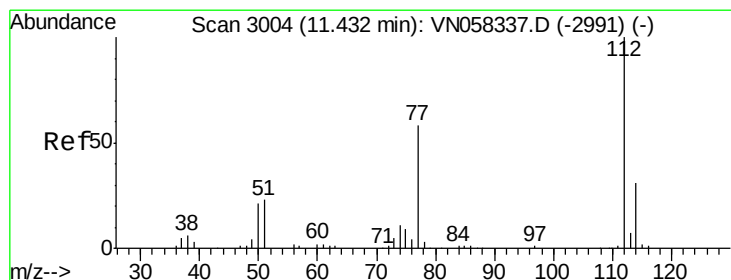
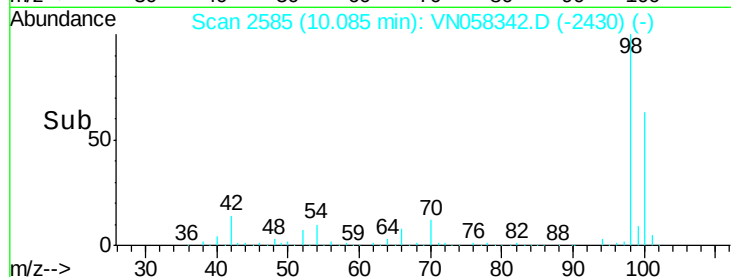
Tgt Ion: 98 Resp: 622340
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)

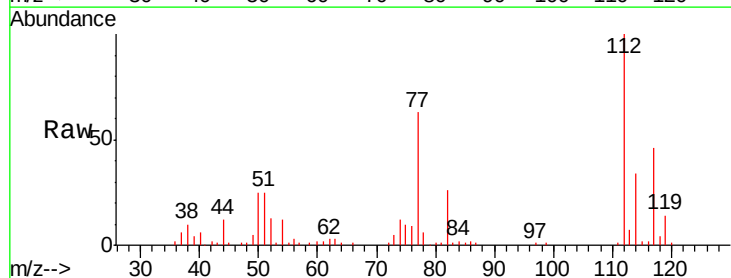


Time-->

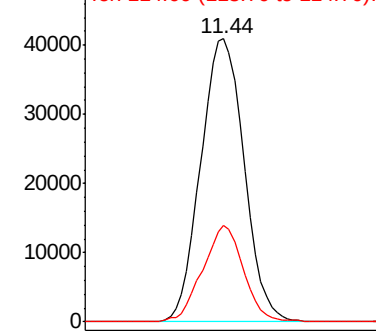


#64
Chlorobenzene
Concen: 5.039 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

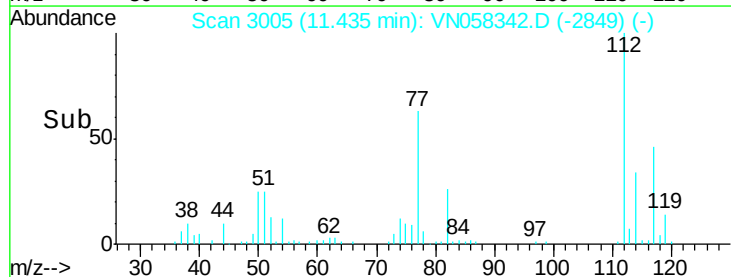
Tgt Ion: 112 Resp: 74478
Ion Ratio Lower Upper
112 100
114 34.3 25.1 37.7

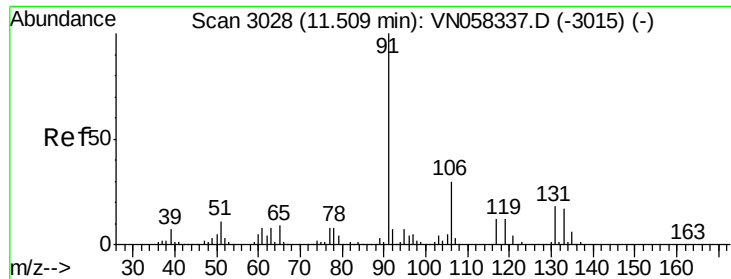


Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)
Ion 114.00 (113.70 to 114.70): VN058337.D (-2991) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 4.650 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

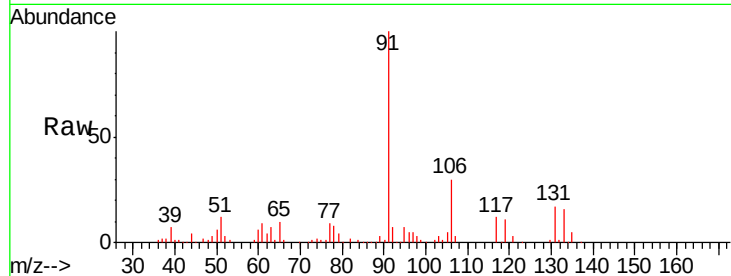
Tgt Ion: 131 Resp: 23929

Ion Ratio Lower Upper

131 100

133 96.1 0.0 191.8

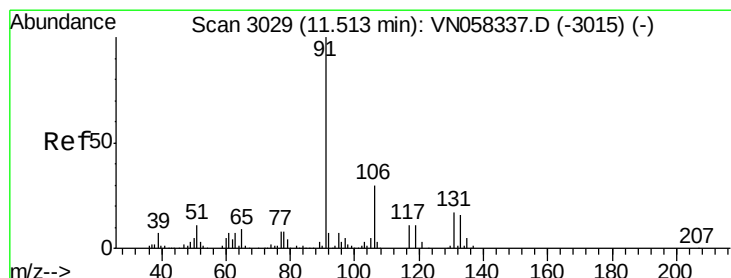
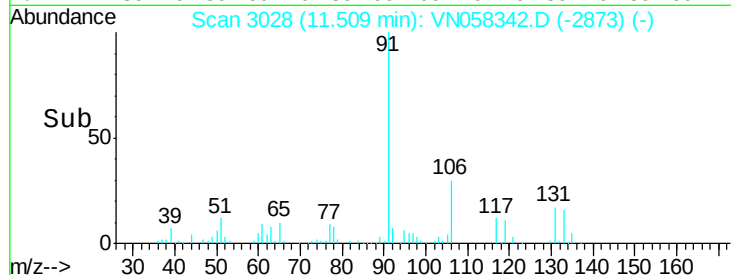
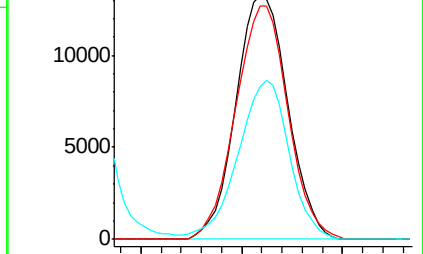
119 64.3 0.0 134.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.239 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058342.D

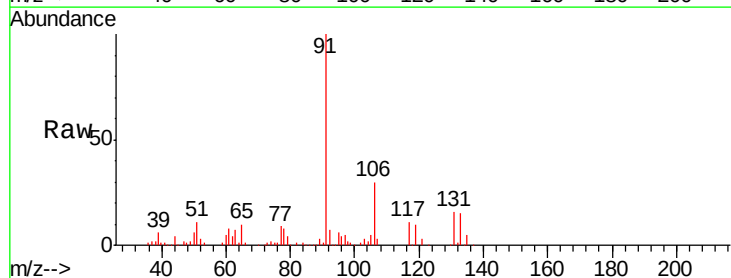
Acq: 24 Sep 2019 12:21

Tgt Ion: 91 Resp: 136694

Ion Ratio Lower Upper

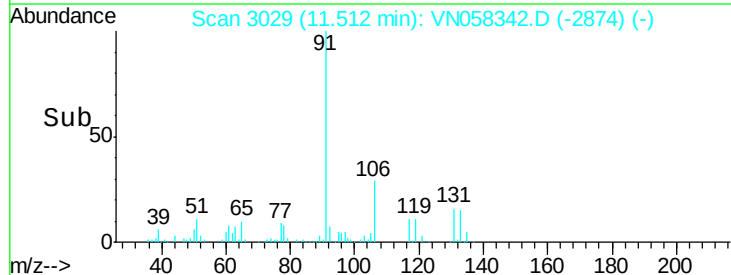
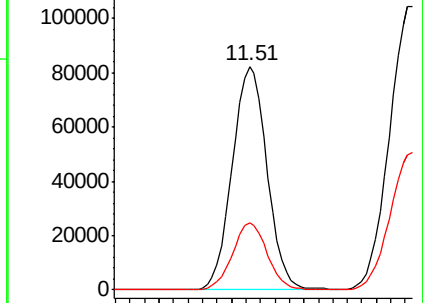
91 100

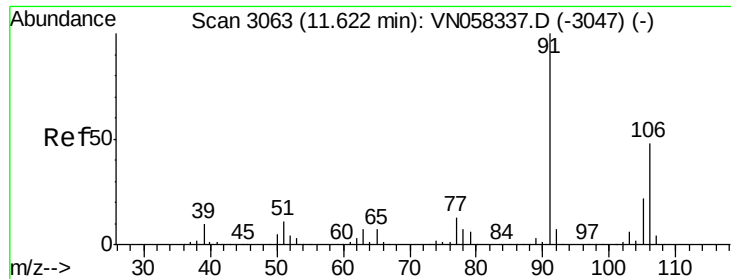
106 30.0 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 9.925 ug/l

RT: 11.62 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

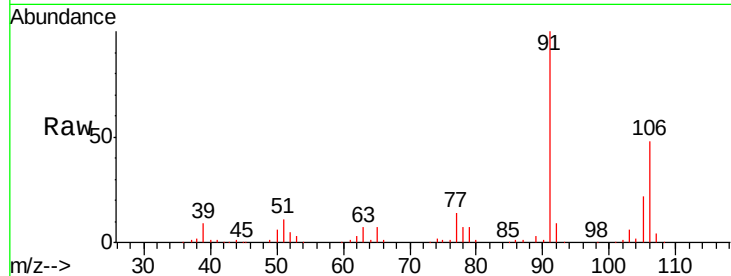
VSTDIC005

Tgt Ion:106 Resp: 98923

Ion Ratio Lower Upper

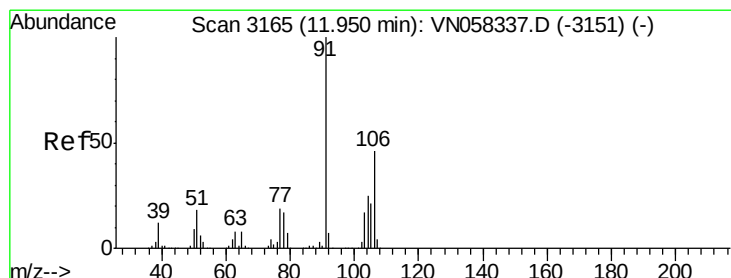
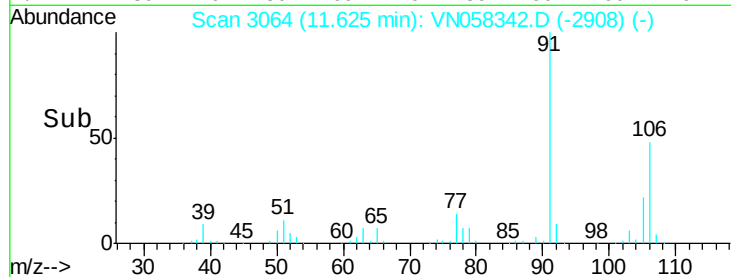
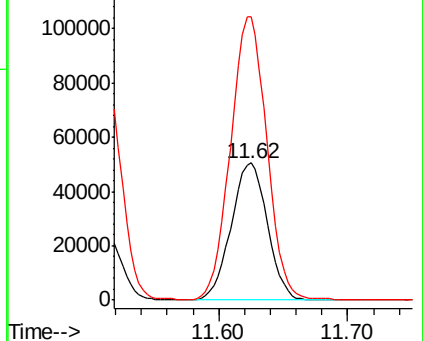
106 100

91 206.1 167.8 251.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.759 ug/l

RT: 11.95 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN058342.D

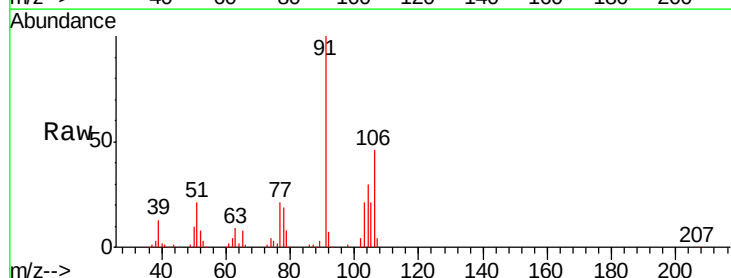
Acq: 24 Sep 2019 12:21

Tgt Ion:106 Resp: 46548

Ion Ratio Lower Upper

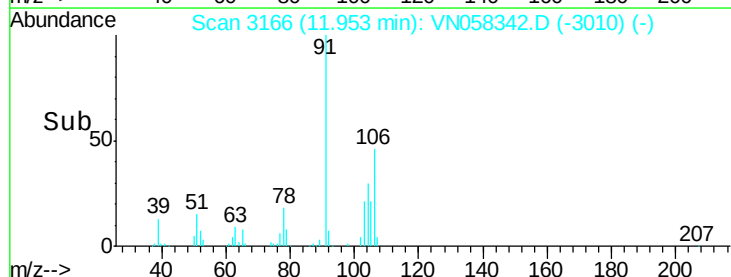
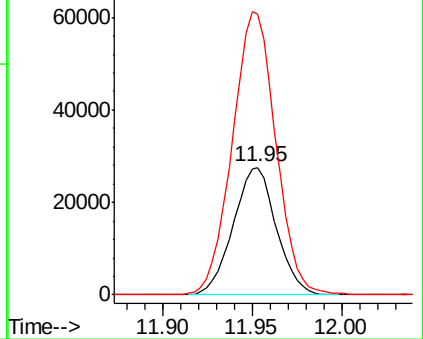
106 100

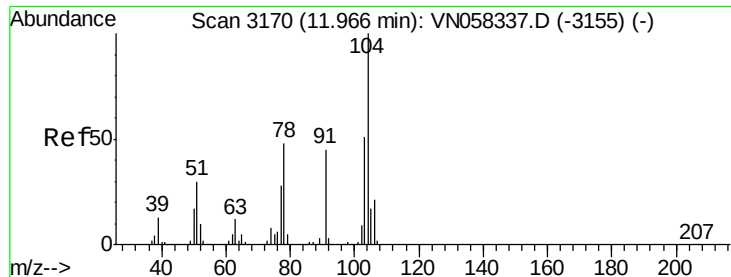
91 223.7 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

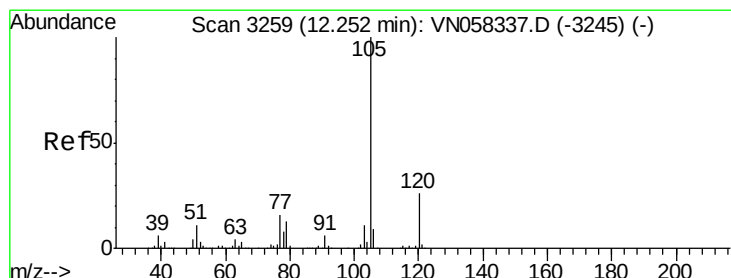
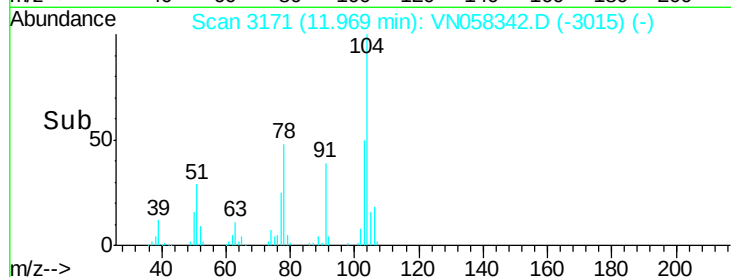
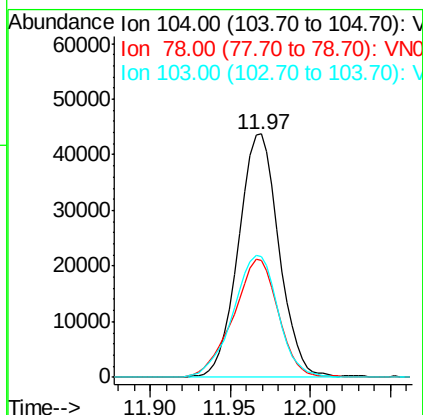
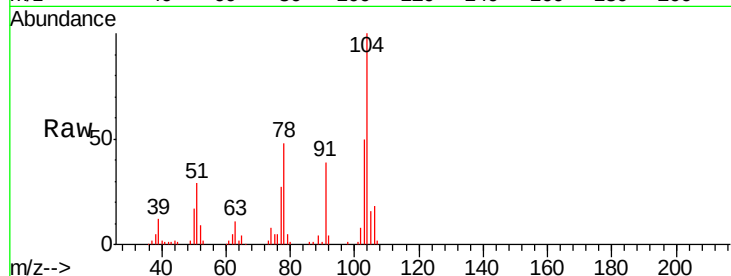




#69
Styrene
Concen: 4.560 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

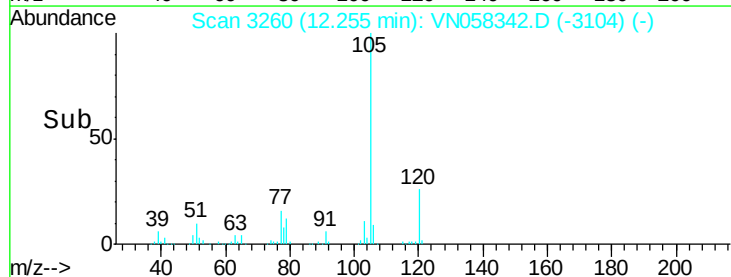
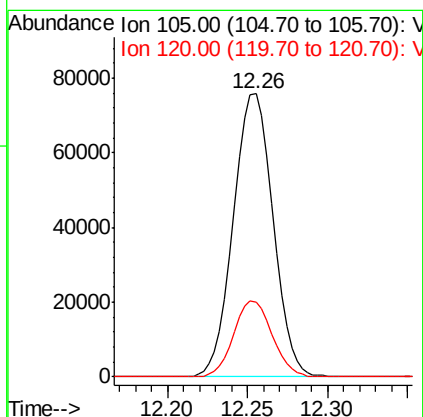
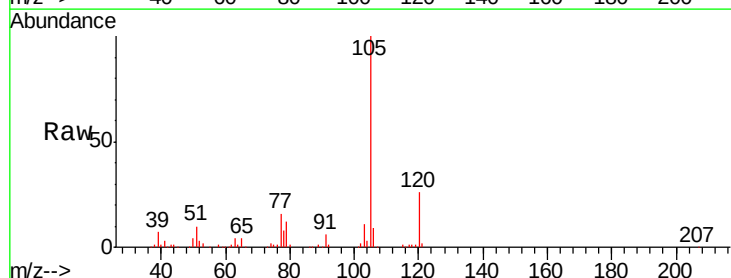
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

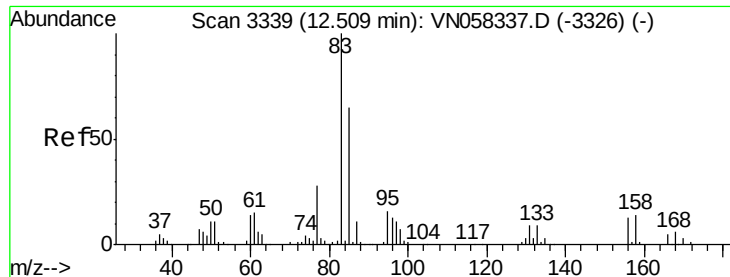
Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.3	63.5
103	55.6	44.1	66.1



#70
Isopropylbenzene
Concen: 4.991 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.2	33.8

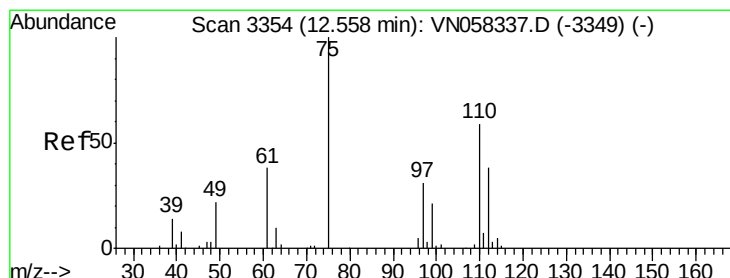
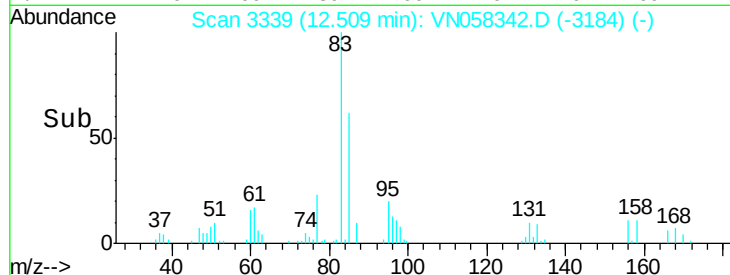
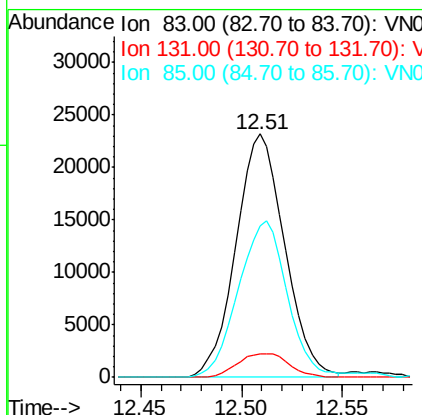
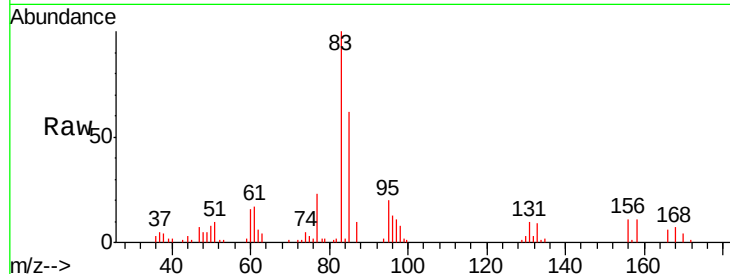




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.888 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

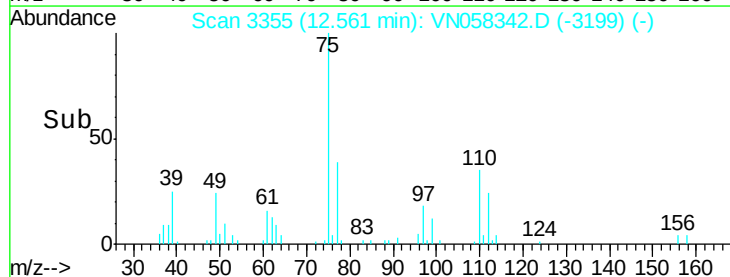
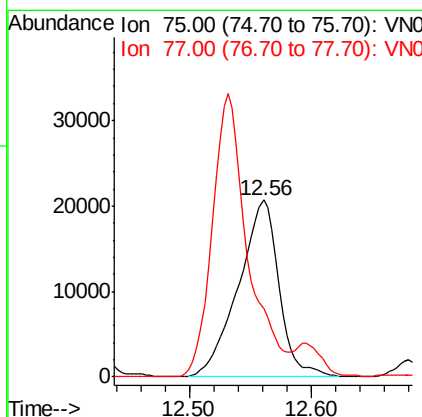
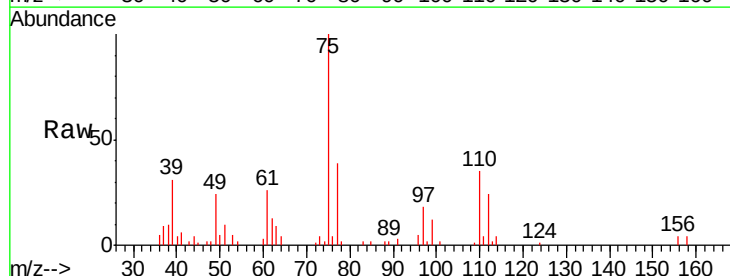
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

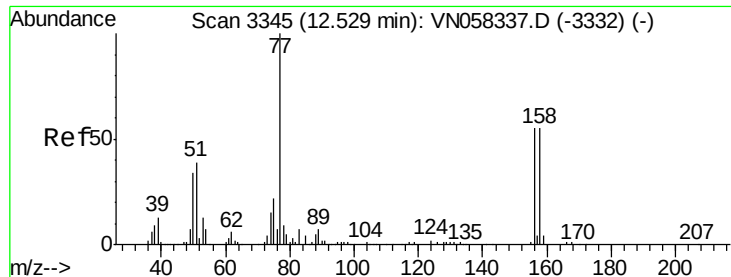
Tgt Ion: 83 Resp: 39222
 Ion Ratio Lower Upper
 83 100
 131 10.3 4.8 14.3
 85 64.5 32.6 97.7



#72
 1,2,3-Trichloropropane
 Concen: 6.665 ug/l
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 75 Resp: 47461
 Ion Ratio Lower Upper
 75 100
 77 141.7 0.0 382.4





#73

Bromobenzene

Concen: 4.821 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

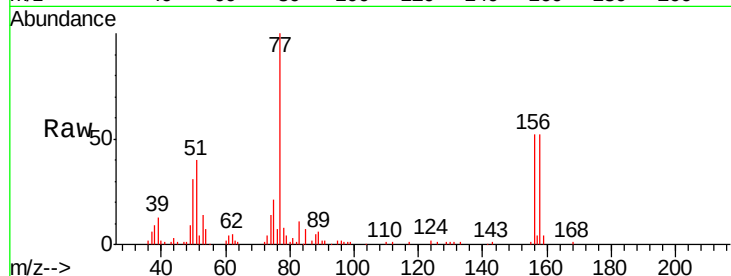
Tgt Ion:156 Resp: 29869

Ion Ratio Lower Upper

156 100

77 225.2 0.0 438.8

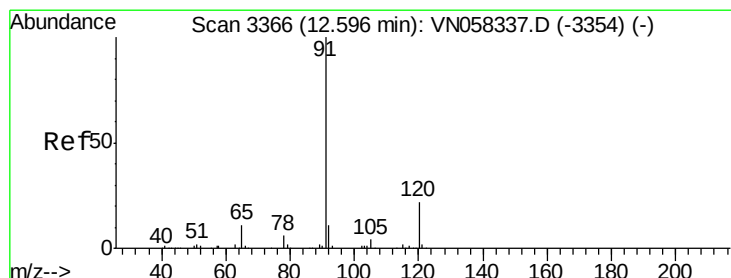
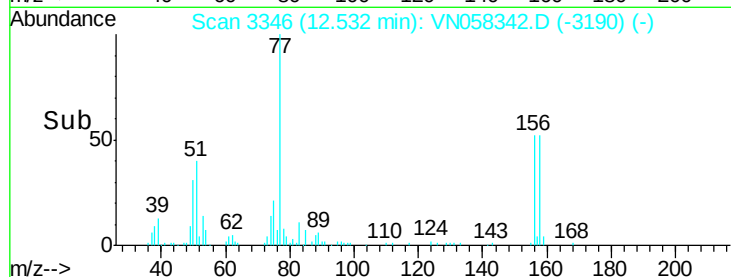
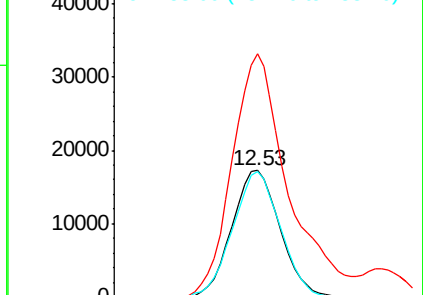
158 98.0 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.074 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058342.D

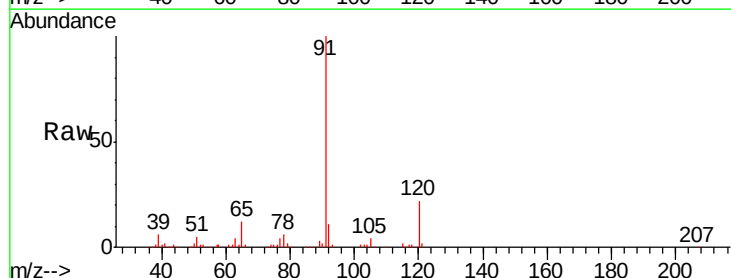
Acq: 24 Sep 2019 12:21

Tgt Ion: 91 Resp: 149217

Ion Ratio Lower Upper

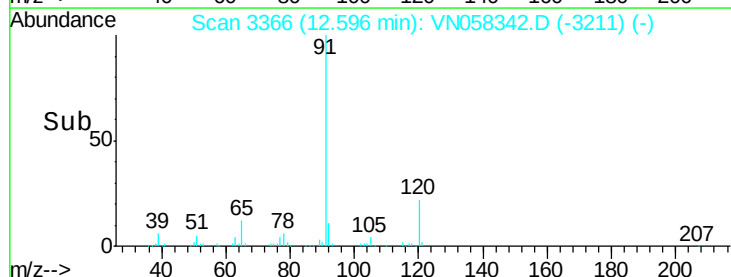
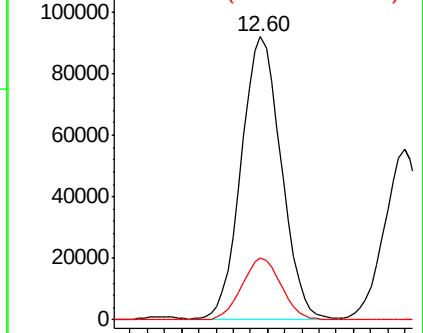
91 100

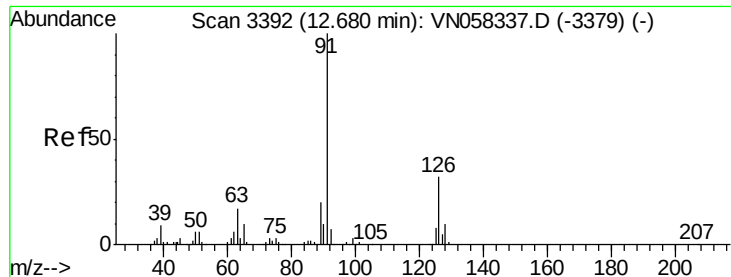
120 21.4 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.946 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

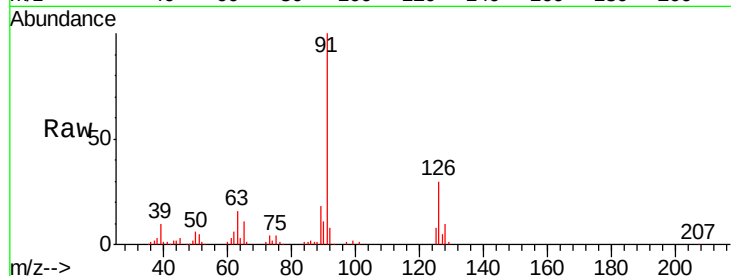
VSTDIC005

Tgt Ion: 91 Resp: 90781

Ion Ratio Lower Upper

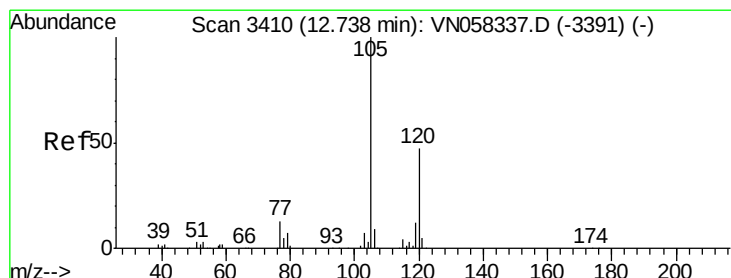
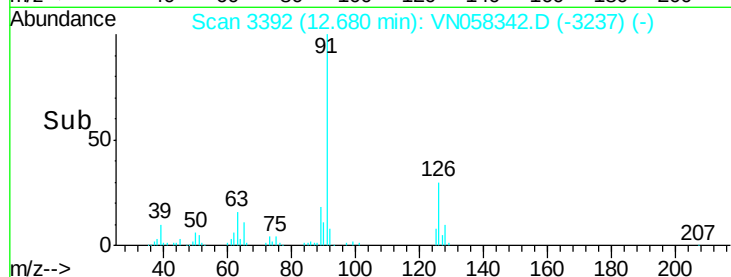
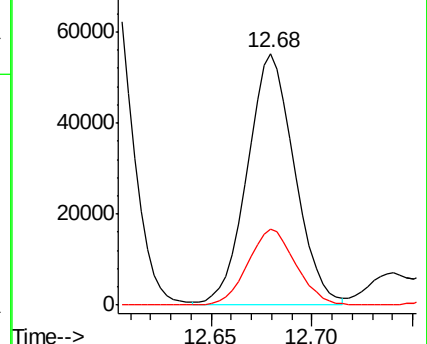
91 100

126 30.3 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.810 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058342.D

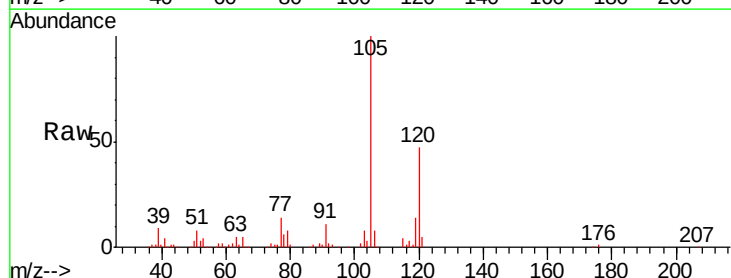
Acq: 24 Sep 2019 12:21

Tgt Ion: 105 Resp: 105574

Ion Ratio Lower Upper

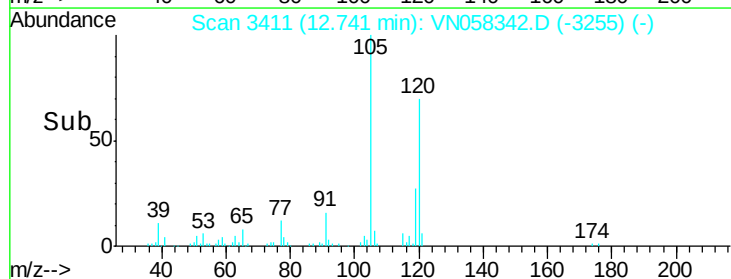
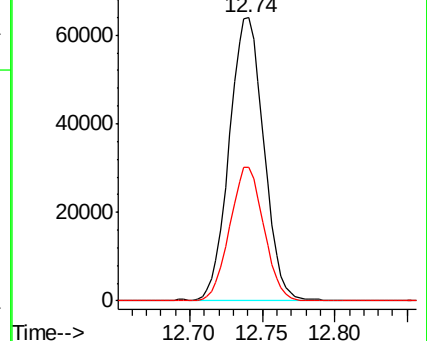
105 100

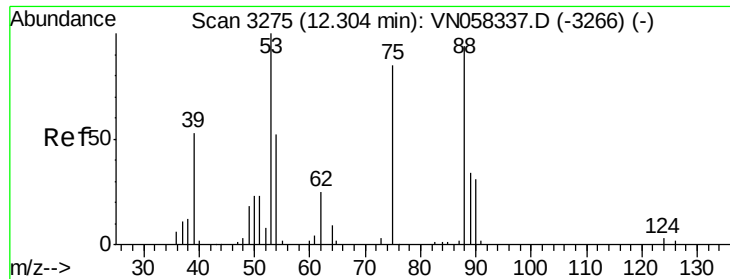
120 46.5 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

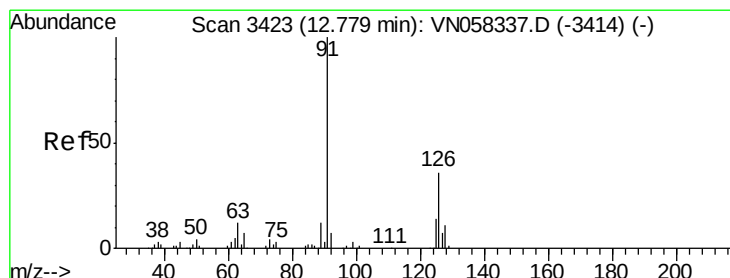
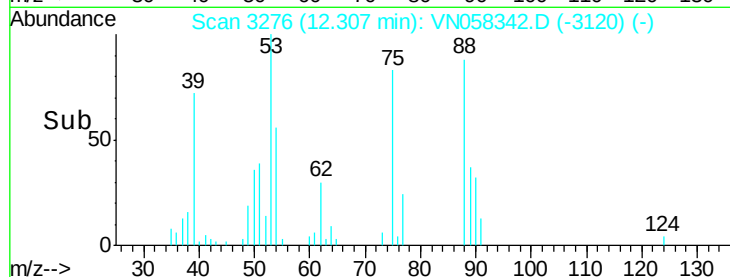
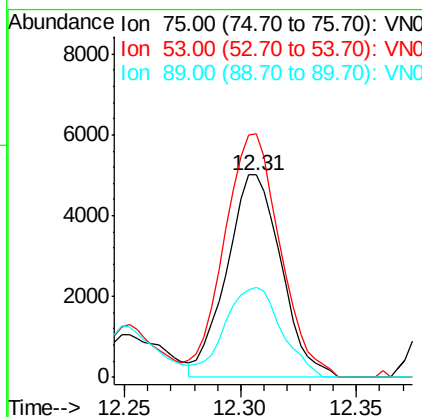
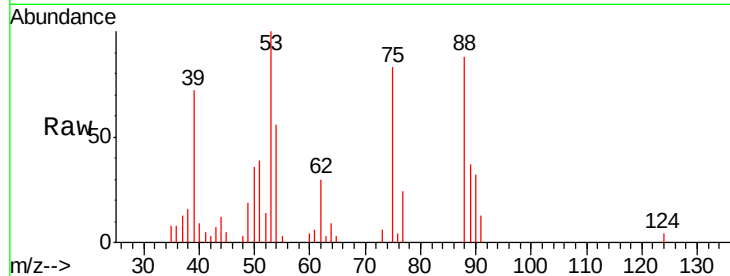




#77
t-1,4-Dichloro-2-butene
Concen: 3.789 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

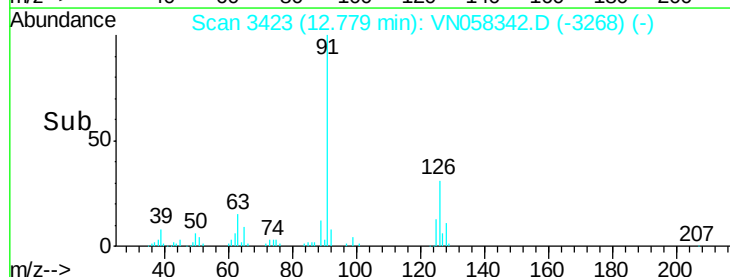
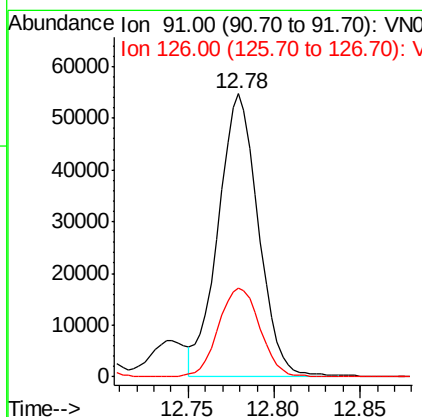
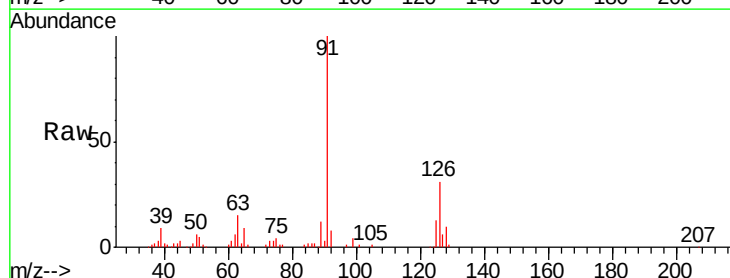
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

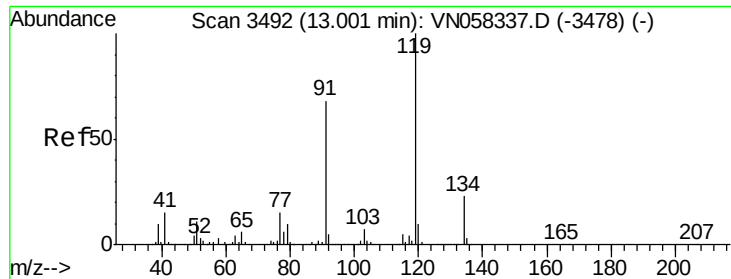
Tgt Ion: 75 Resp: 8180
Ion Ratio Lower Upper
75 100
53 120.3 59.0 176.8
89 44.2 21.6 65.0



#78
4-Chlorotoluene
Concen: 4.769 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 91 Resp: 89680
Ion Ratio Lower Upper
91 100
126 32.4 0.0 63.8

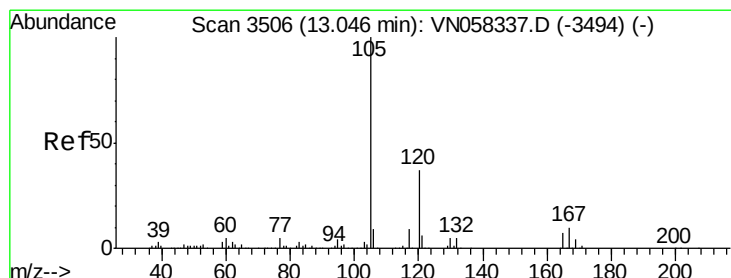
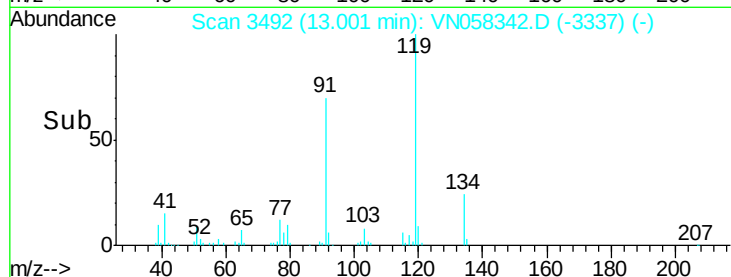
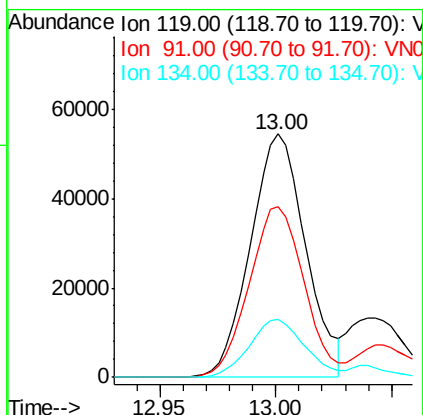
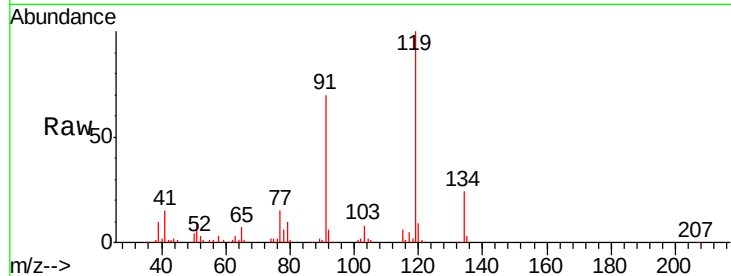




#79
tert-butylbenzene
Concen: 4.736 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

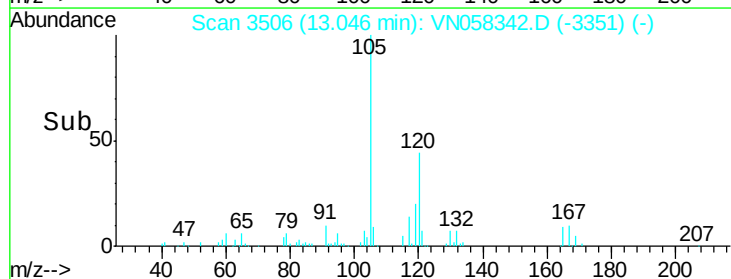
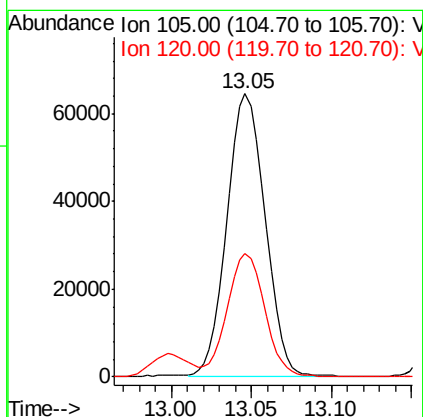
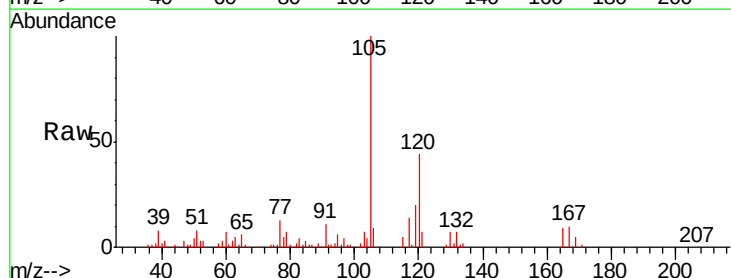
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

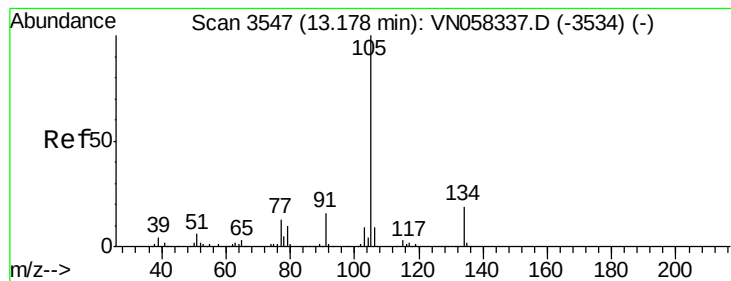
Tgt Ion:119 Resp: 90073
Ion Ratio Lower Upper
119 100
91 69.4 0.0 138.2
134 23.8 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 4.770 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion:105 Resp: 104551
Ion Ratio Lower Upper
105 100
120 43.1 0.0 86.6





#81

sec-Butylbenzene

Concen: 4.745 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

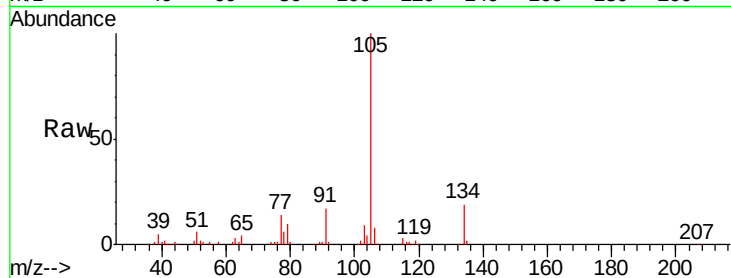
VSTDIC005

Tgt Ion:105 Resp: 120647

Ion Ratio Lower Upper

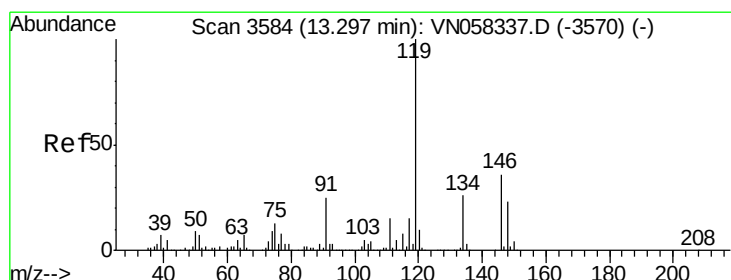
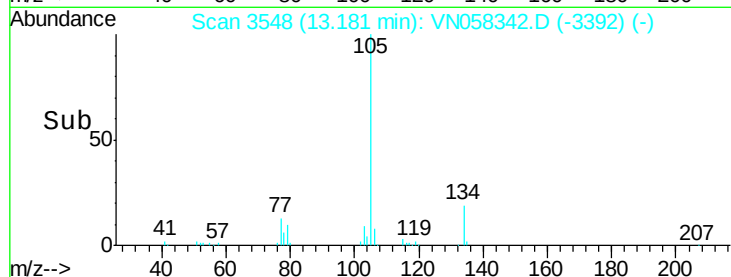
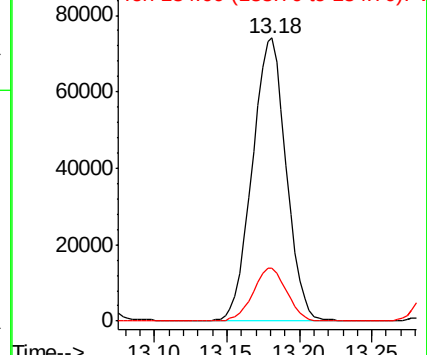
105 100

134 18.5 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.737 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058342.D

Acq: 24 Sep 2019 12:21

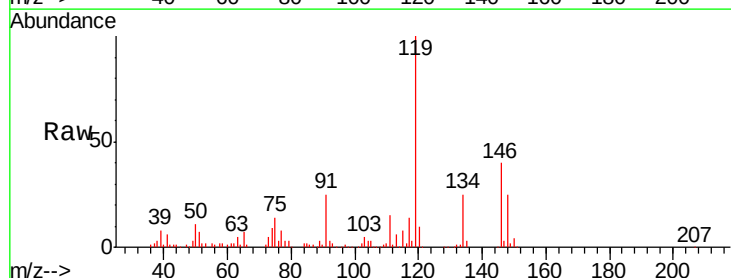
Tgt Ion:119 Resp: 107405

Ion Ratio Lower Upper

119 100

134 24.9 0.0 51.6

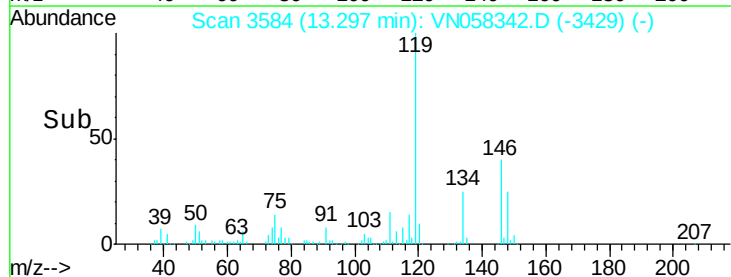
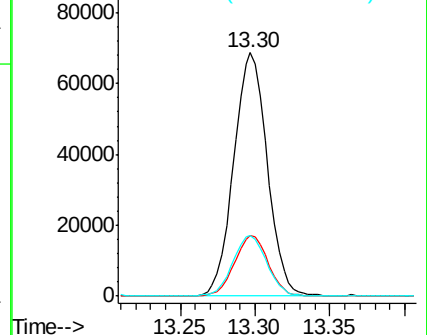
91 25.3 0.0 49.6

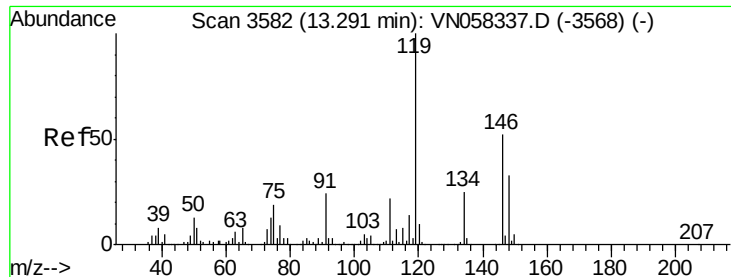


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

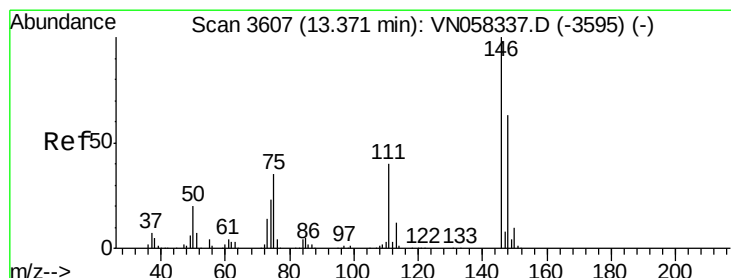
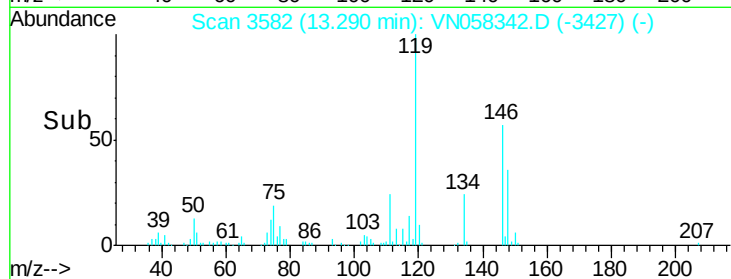
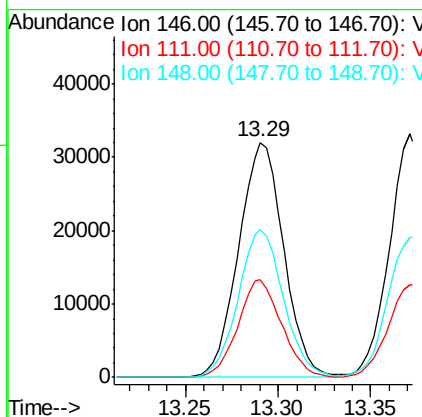
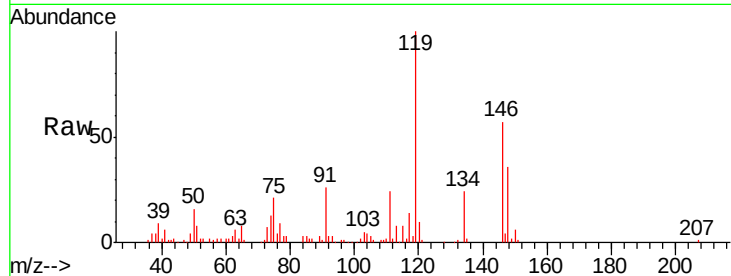




#83
 1,3-Dichlorobenzene
 Concen: 4.733 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

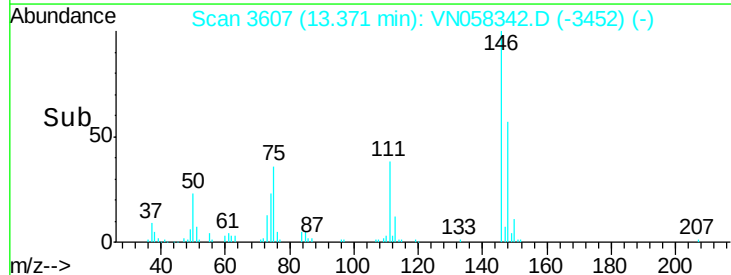
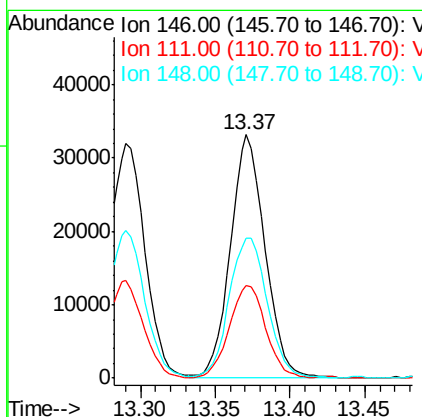
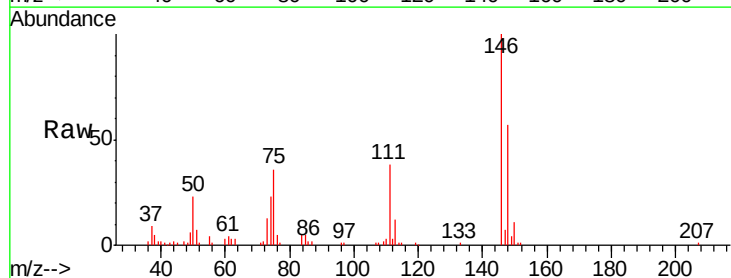
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

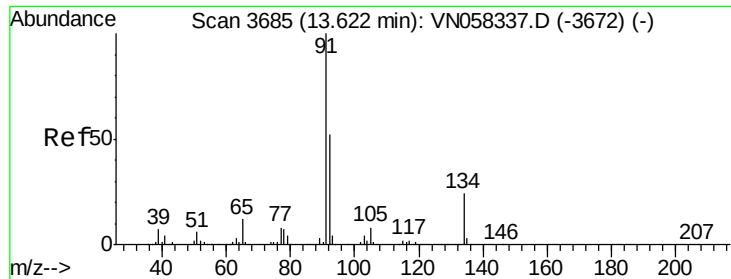
Tgt Ion:146 Resp: 54214
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.9 62.8
 148 63.2 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 4.751 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion:146 Resp: 53728
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.4 61.3
 148 63.5 31.9 95.7

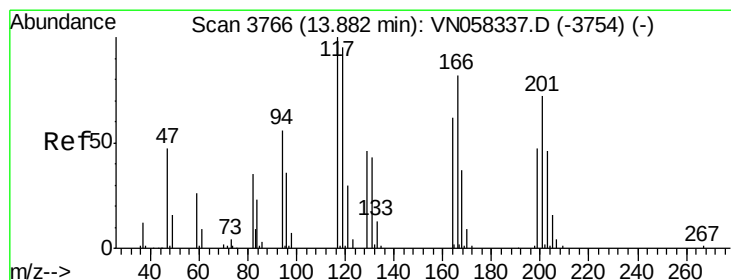
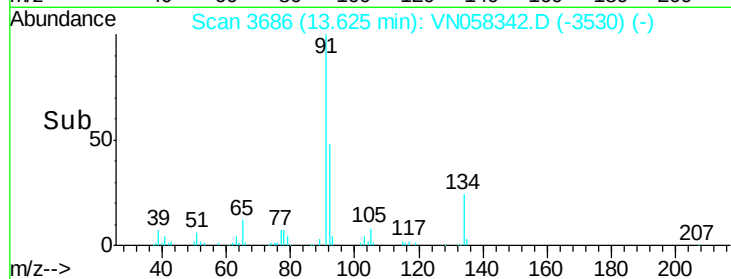
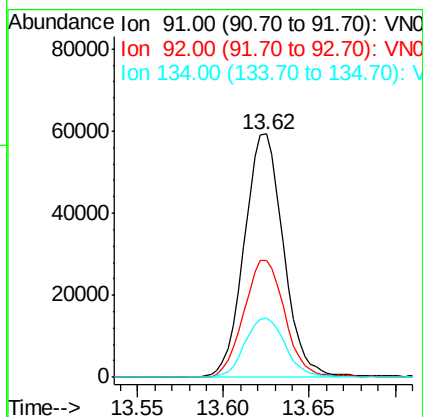
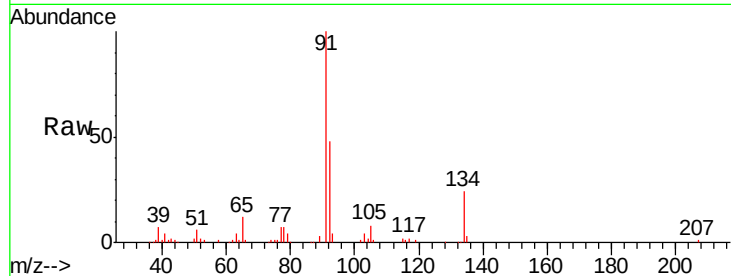




#85
n-Butylbenzene
Concen: 4.461 ug/l
RT: 13.62 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

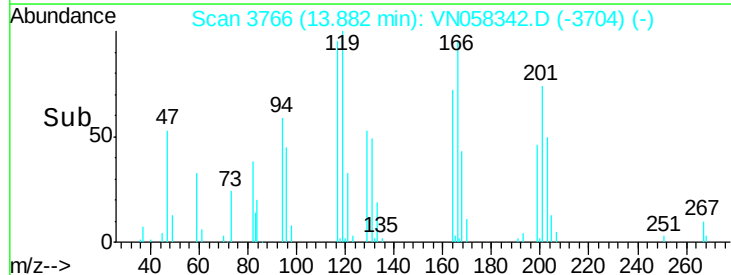
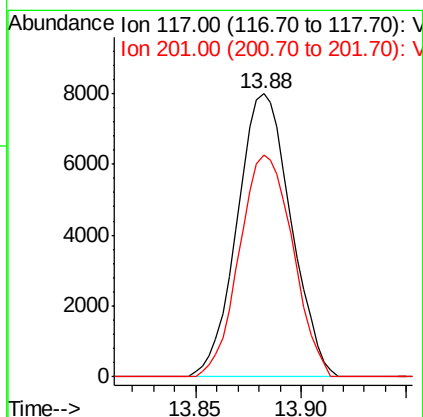
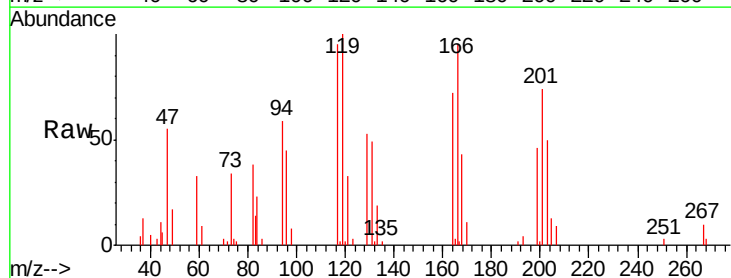
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

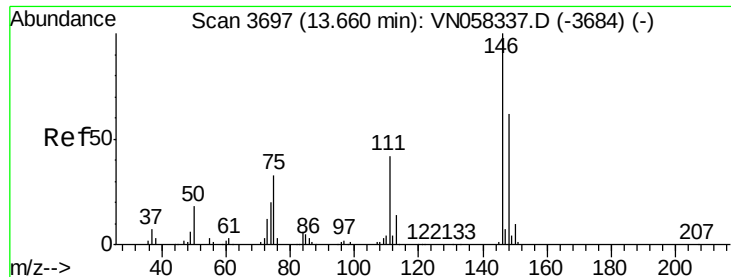
Tgt Ion: 91 Resp: 94024
Ion Ratio Lower Upper
91 100
92 50.3 0.0 102.6
134 25.1 0.0 47.8



#86
Hexachloroethane
Concen: 3.885 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion: 117 Resp: 14174
Ion Ratio Lower Upper
117 100
201 77.6 37.2 111.6

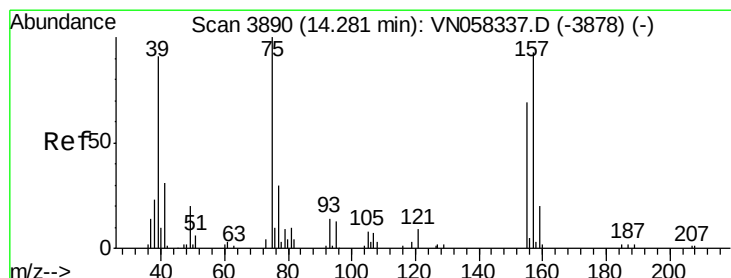
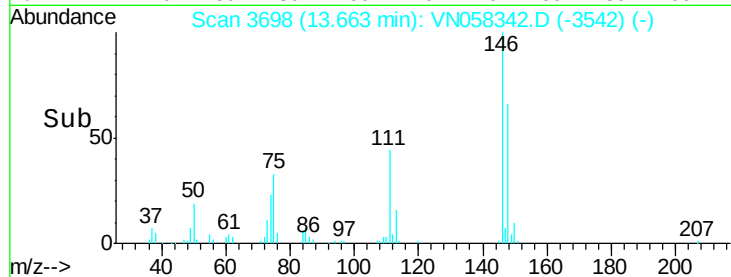
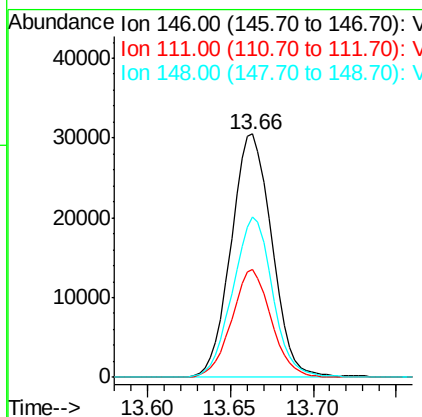
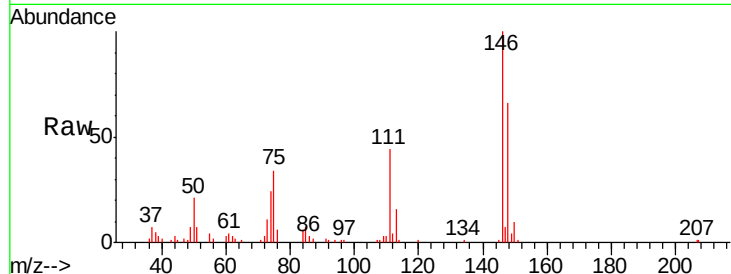




#87
 1,2-Dichlorobenzene
 Concen: 4.688 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

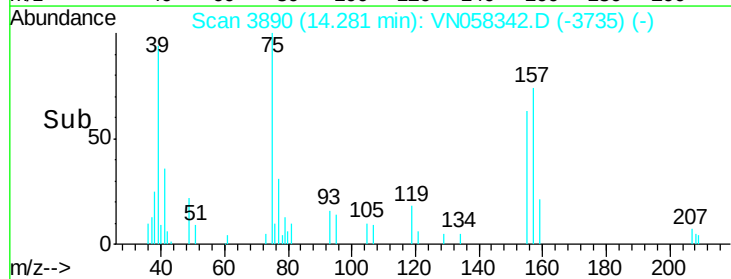
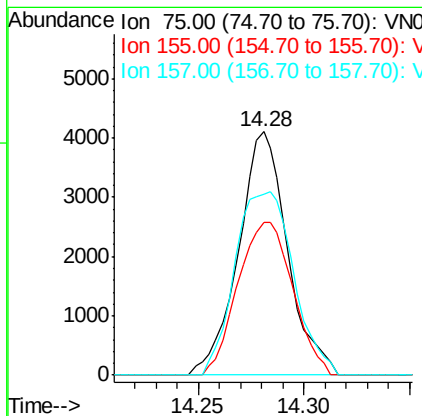
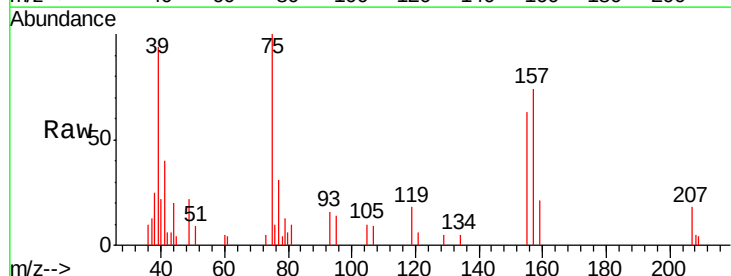
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

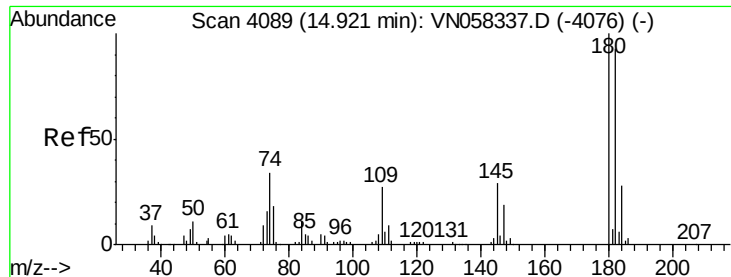
Tgt Ion: 146 Resp: 52325
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.1 63.3
 148 64.3 31.9 95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.602 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion: 75 Resp: 6631
 Ion Ratio Lower Upper
 75 100
 155 70.4 58.5 87.7
 157 90.0 75.4 113.2

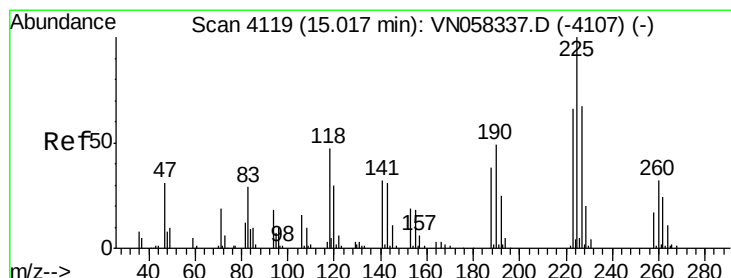
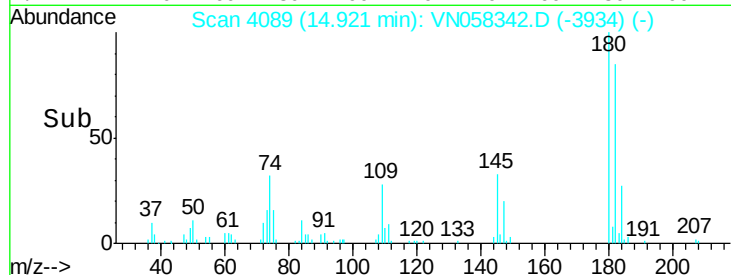
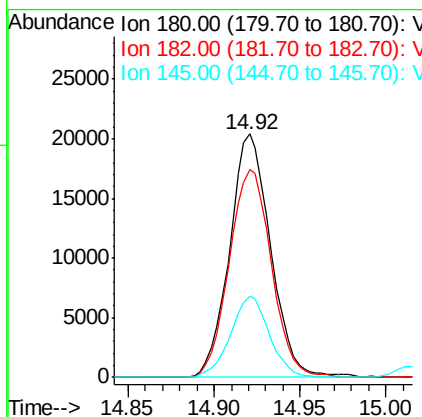
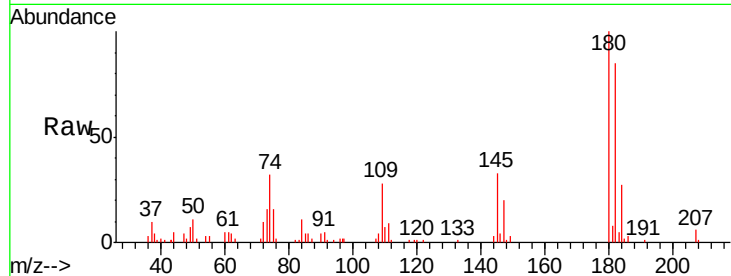




#89
 1,2,4-Trichlorobenzene
 Concen: 4.951 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

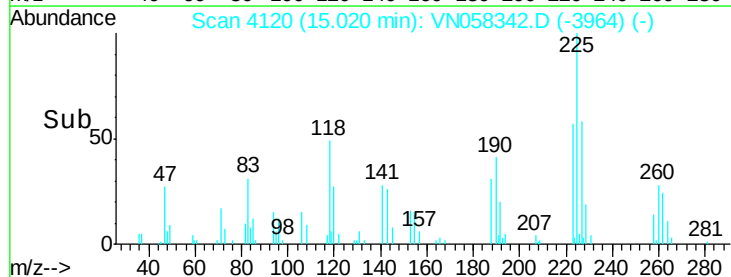
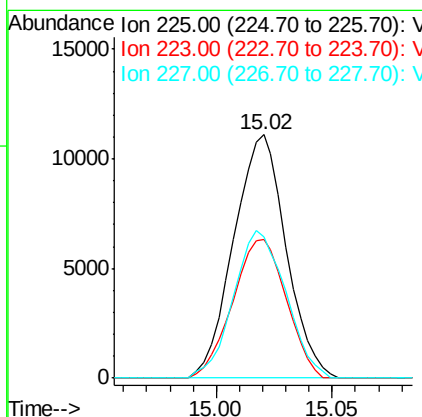
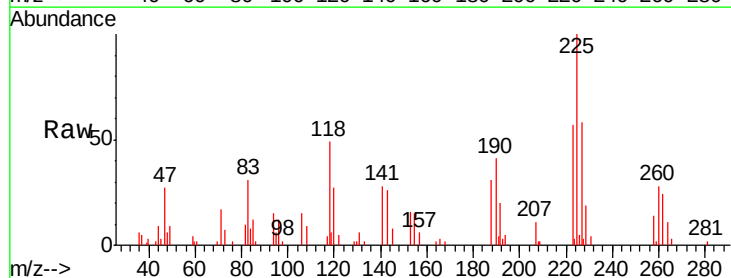
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

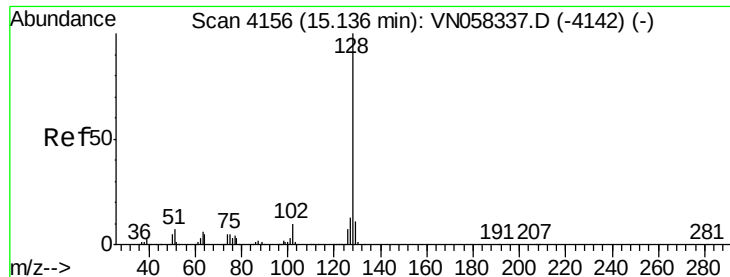
Tgt Ion:180 Resp: 33877
 Ion Ratio Lower Upper
 180 100
 182 87.7 75.2 112.8
 145 31.7 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 5.505 ug/l
 RT: 15.02 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VN058342.D
 Acq: 24 Sep 2019 12:21

Tgt Ion:225 Resp: 17411
 Ion Ratio Lower Upper
 225 100
 223 58.3 0.0 132.6
 227 60.4 0.0 129.2

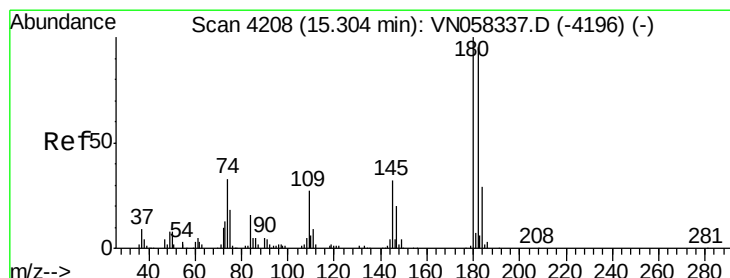
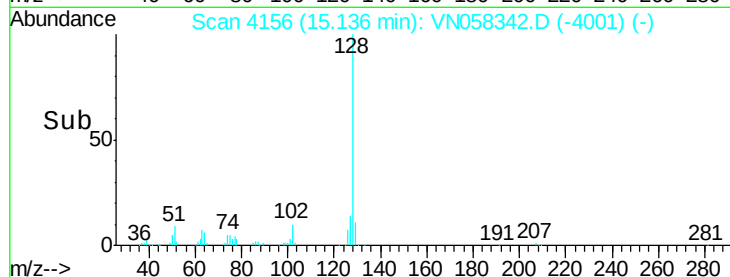
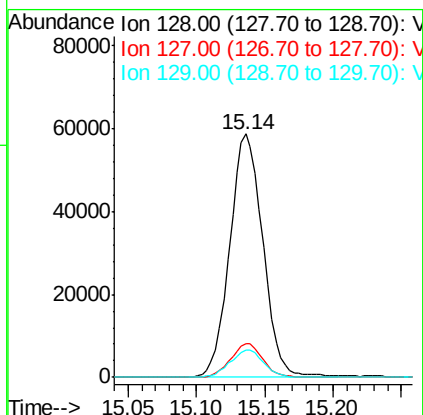
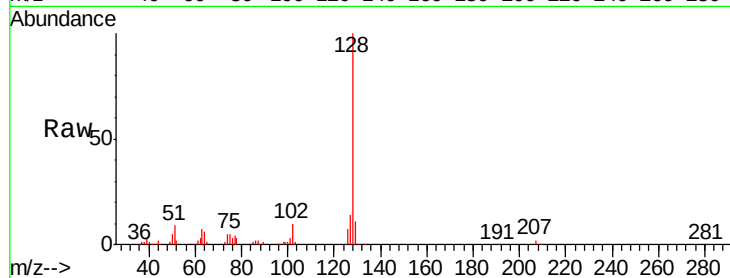




#91
Naphthalene
Concen: 5.307 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 99332
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.2 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 5.206 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. 0.00 min
Lab File: VN058342.D
Acq: 24 Sep 2019 12:21

Tgt Ion:180 Resp: 33868
Ion Ratio Lower Upper
180 100
182 92.9 0.0 189.4
145 31.4 0.0 64.0

