

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058336.D
 Acq On : 24 Sep 2019 10:08
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 25 01:18:02 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	96929	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	574742	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	502625	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	261719	30.74	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.47%
60) 4-Bromofluorobenzene	12.41	95	250243	28.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.53%
63) Toluene-d8	10.08	98	729002	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	27463	4.650 ug/l	94
3) Chloromethane	2.03	50	33292	4.634 ug/l	98
4) Vinyl Chloride	2.17	62	33735	4.609 ug/l	95
5) Bromomethane	2.54	94	17737	4.053 ug/l	99
6) Chloroethane	2.69	64	22063	4.894 ug/l	98
7) Trichlorofluoromethane	3.00	101	39743	4.778 ug/l	100
8) Diethyl Ether	3.39	74	18426	5.286 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	28085	5.200 ug/l	97
10) 1,1-Dichloroethene	3.72	96	27506	5.302 ug/l	96
11) Methyl Iodide	3.93	142	20061	3.089 ug/l	99
12) Methyl Acetate	4.30	43	35490	5.087 ug/l	96
13) Acrolein	3.71	56	100	0.282 ug/l	88
14) Acrylonitrile	4.97	53	70196	24.431 ug/l	99
15) Acetone	3.80	58	22410	27.631 ug/l	95
16) Carbon Disulfide	4.03	76	68016	5.464 ug/l	98
17) Allyl chloride	4.30	41	48883	5.118 ug/l	88
18) Methylene Chloride	4.53	84	33081	5.123 ug/l	91
19) trans-1,2-Dichloroethene	5.01	96	30273	5.237 ug/l	92
20) Diisopropyl ether	5.93	45	101222	4.637 ug/l	95
21) 1,1-Dichloroethane	5.83	63	61980	5.151 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	35073	5.010 ug/l	97
23) tert-Butyl Alcohol	4.76	59	27579	28.909 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	98170	5.022 ug/l	96
25) Chloroform	7.36	83	62409	5.089 ug/l	94
26) Cyclohexane	7.64	56	54311	5.233 ug/l	# 99
29) 1,1-Dichloropropene	7.78	75	46062	5.023 ug/l	98
30) 2-Butanone	6.82	43	105049	25.500 ug/l	99
31) 2,2-Dichloropropane	6.80	77	46459	4.803 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	49637	4.858 ug/l	99
33) Carbon Tetrachloride	7.76	117	39853	4.715 ug/l	95
34) Benzene	8.03	78	134948	5.006 ug/l	# 68
35) Methacrylonitrile	7.16	41	20230	5.201 ug/l	97
36) 1,2-Dichloroethane	8.11	62	53549	5.123 ug/l	100
37) Trichloroethene	8.83	130	34173	5.189 ug/l	94
38) Methylcyclohexane	9.07	83	54339	5.155 ug/l	99
39) 1,2-Dichloropropane	9.11	63	36211	4.818 ug/l	98
40) Dibromomethane	9.20	93	22742	4.946 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058336.D
 Acq On : 24 Sep 2019 10:08
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 25 01:18:02 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	9.39	83	41374	4.461	ug/l #	99
42) Vinyl Acetate	5.87	43	409681	24.804	ug/l	99
43) Ethyl Acetate	6.91	43	40536	4.864	ug/l	99
44) Isopropyl Acetate	8.15	43	74103	5.011	ug/l	96
45) 1,4-Dioxane	9.19	88	12171	102.927	ug/l	94
46) Methyl methacrylate	9.19	41	34194	4.783	ug/l	98
47) n-amyl Acetate	12.08	43	56264	4.199	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	43985	4.430	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	48354	4.332	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	31415	4.738	ug/l	97
51) Ethyl methacrylate	10.43	69	46110	4.460	ug/l	97
52) 1,3-Dichloropropane	10.71	76	57428	4.927	ug/l	99
53) Dibromochloromethane	10.90	129	26737	4.038	ug/l	100
54) 1,2-Dibromoethane	11.00	107	32357	4.872	ug/l	94
55) 2-Chloroethyl vinyl ether	9.69	63	93248	19.628	ug/l	99
56) Bromoform	12.13	173	15493	3.779	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	208909	26.577	ug/l	98
59) 2-Hexanone	10.75	43	153664	26.028	ug/l	99
61) Tetrachloroethene	10.63	164	27586	5.342	ug/l	94
62) Toluene	10.15	91	143950	5.154	ug/l	99
64) Chlorobenzene	11.44	112	85275	4.925	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	28180	4.674	ug/l	97
66) Ethyl Benzene	11.51	91	155051	5.072	ug/l	99
67) m/p-Xylenes	11.62	106	113869	9.752	ug/l	100
68) o-Xylene	11.95	106	54449	4.752	ug/l	96
69) Styrene	11.97	104	88669	4.566	ug/l	99
70) Isopropylbenzene	12.26	105	147837	4.914	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	45180	4.806	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	55648	6.671	ug/l	65
73) Bromobenzene	12.53	156	34701	4.781	ug/l	98
74) n-propylbenzene	12.60	91	170367	4.945	ug/l	100
75) 2-Chlorotoluene	12.68	91	99672	4.636	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	122867	4.779	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	7881	3.116	ug/l	85
78) 4-Chlorotoluene	12.78	91	102105	4.635	ug/l	99
79) tert-butylbenzene	13.00	119	107916	4.844	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	121303	4.724	ug/l	100
81) sec-Butylbenzene	13.18	105	141165	4.739	ug/l	99
82) p-Isopropyltoluene	13.30	119	124832	4.699	ug/l	98
83) 1,3-Dichlorobenzene	13.29	146	63255	4.714	ug/l	95
84) 1,4-Dichlorobenzene	13.37	146	60218	4.545	ug/l	100
85) n-Butylbenzene	13.62	91	108994	4.414	ug/l	98
86) Hexachloroethane	13.88	117	16493	3.859	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	61230	4.682	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	8085	4.789	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	34723	4.331	ug/l	97
90) Hexachlorobutadiene	15.02	225	18470	4.985	ug/l	96
91) Naphthalene	15.14	128	96007	4.378	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	34375	4.510	ug/l	99

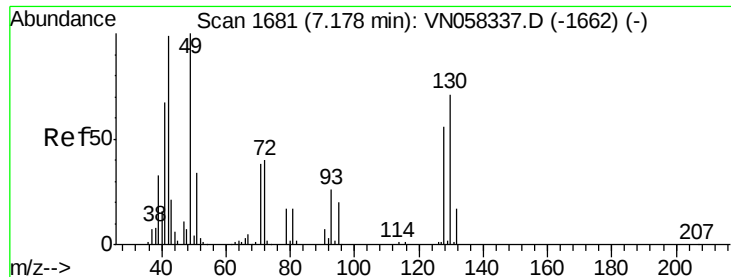
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
Data File : VN058336.D
Acq On : 24 Sep 2019 10:08
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 25 01:18:02 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)
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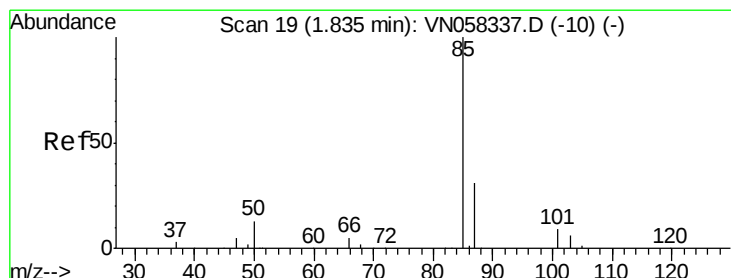
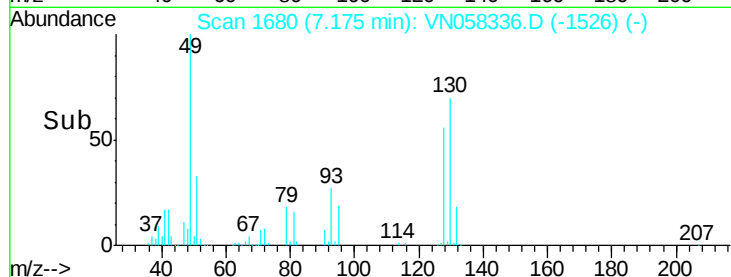
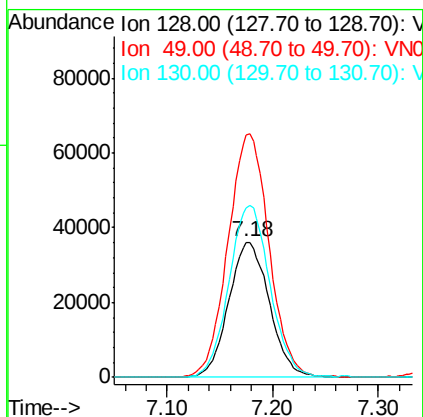
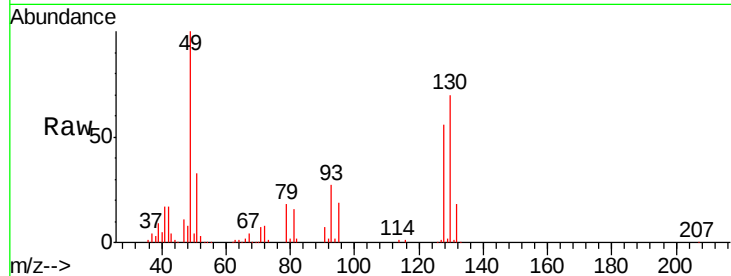
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

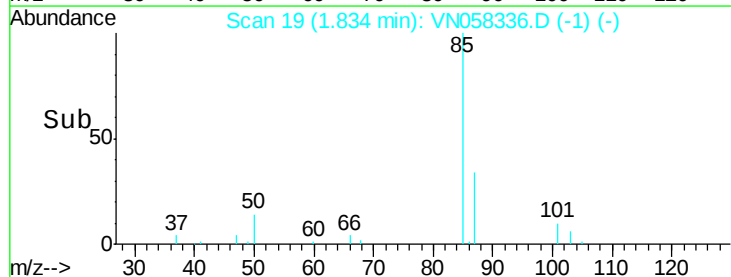
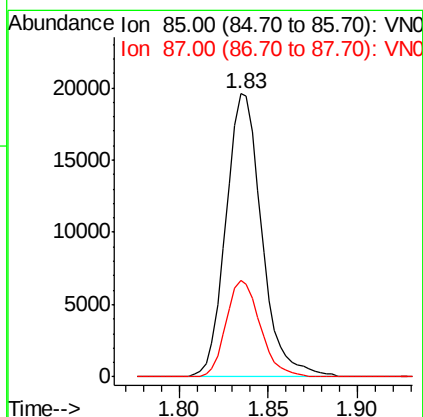
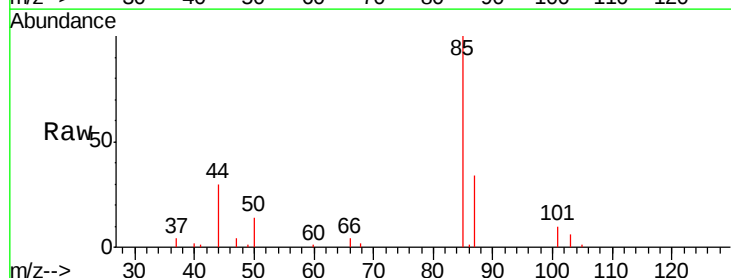
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

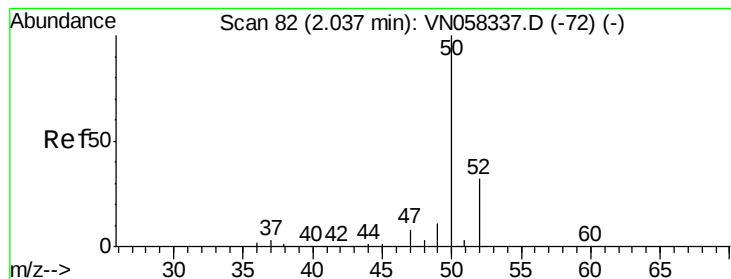
Tgt Ion:128 Resp: 96929
Ion Ratio Lower Upper
128 100
49 181.2 0.0 458.5
130 128.5 0.0 320.7



#2
Dichlorodifluoromethane
Concen: 4.650 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 85 Resp: 27463
Ion Ratio Lower Upper
85 100
87 34.1 15.5 46.5





#3

Chloromethane

Concen: 4.634 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

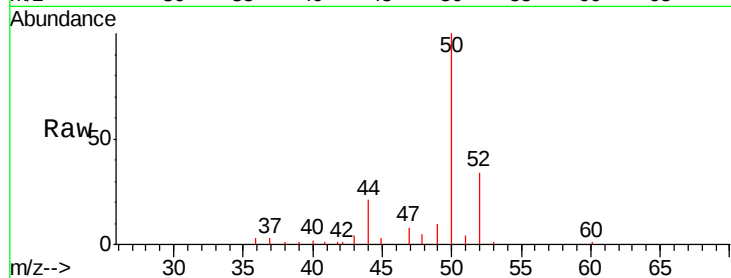
VSTDIC005

Tgt Ion: 50 Resp: 33292

Ion Ratio Lower Upper

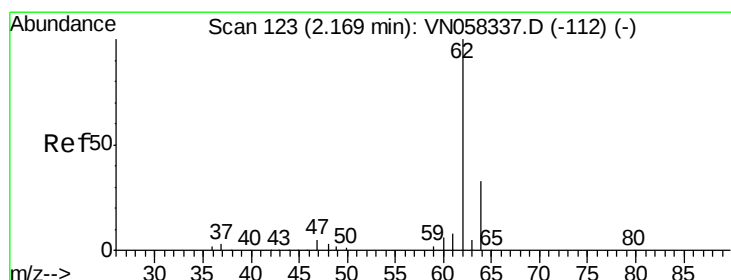
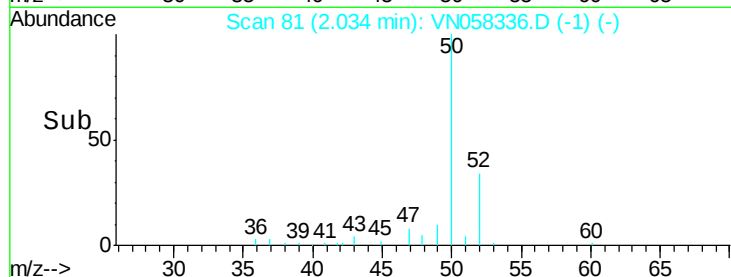
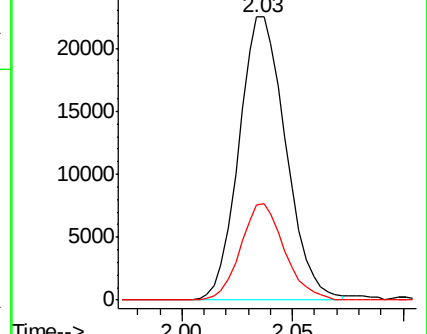
50 100

52 33.5 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: 4.609 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058336.D

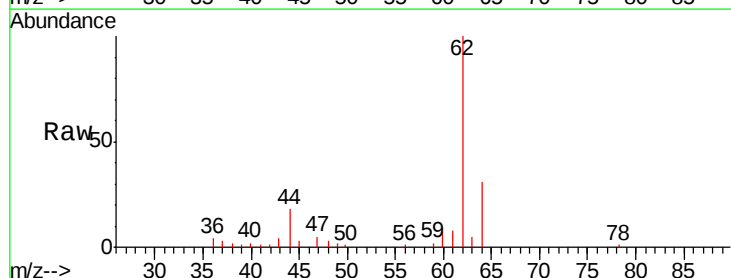
Acq: 24 Sep 2019 10:08

Tgt Ion: 62 Resp: 33735

Ion Ratio Lower Upper

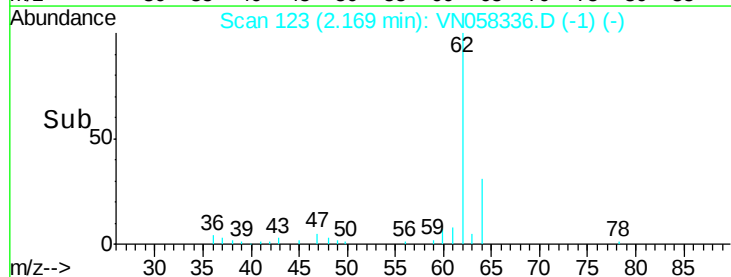
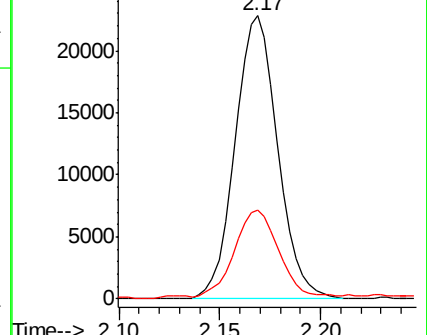
62 100

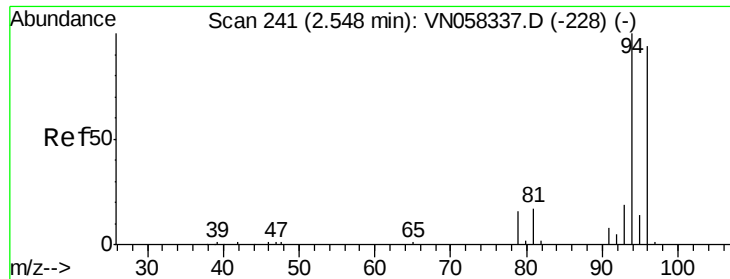
64 30.6 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

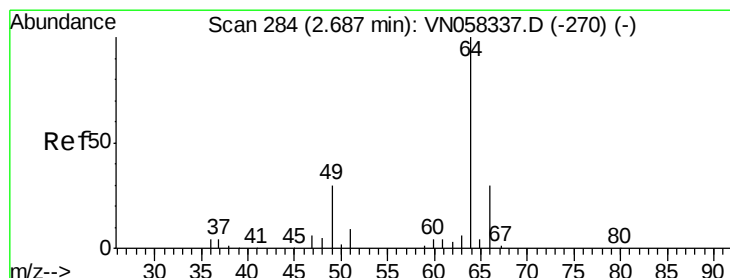
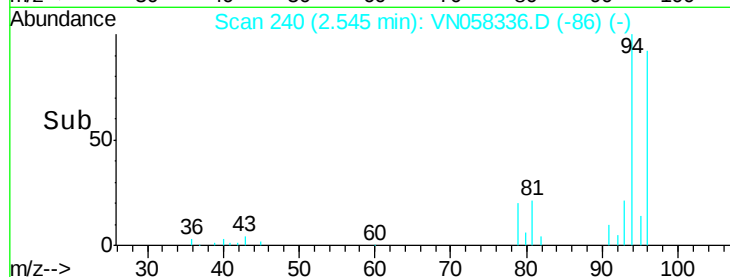
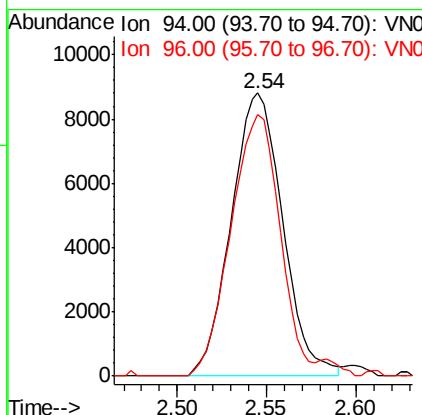
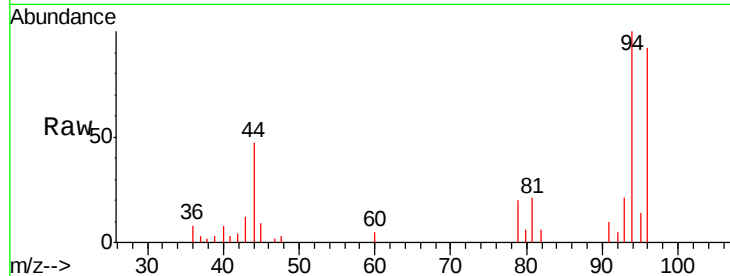




#5
Bromomethane
Concen: 4.053 ug/l
RT: 2.54 min Scan# 240
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

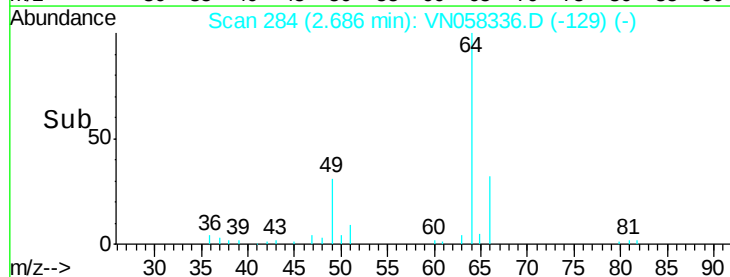
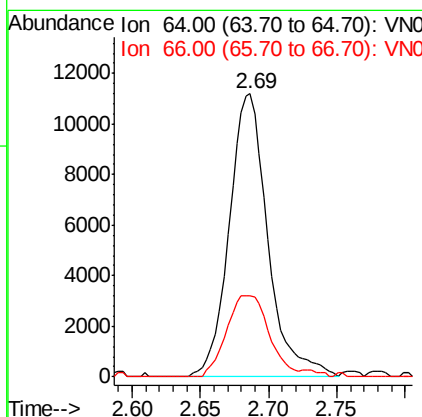
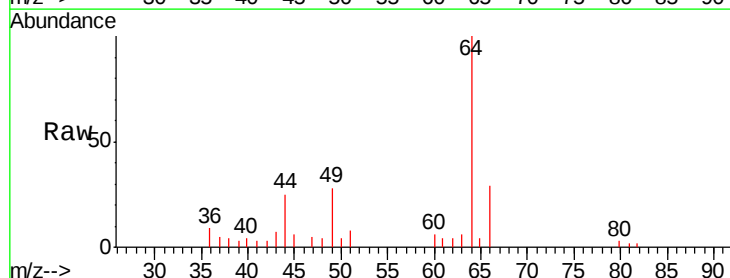
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

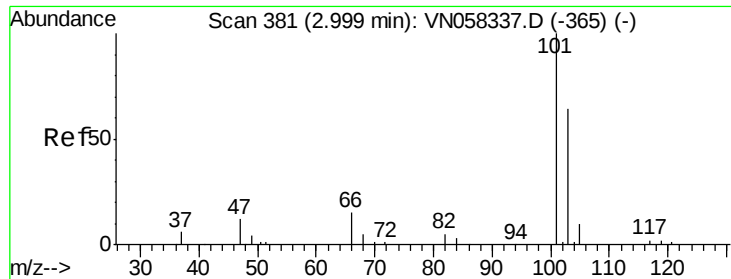
Tgt Ion: 94 Resp: 17737
Ion Ratio Lower Upper
94 100
96 92.3 74.8 112.2



#6
Chloroethane
Concen: 4.894 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 64 Resp: 22063
Ion Ratio Lower Upper
64 100
66 28.6 23.8 35.6



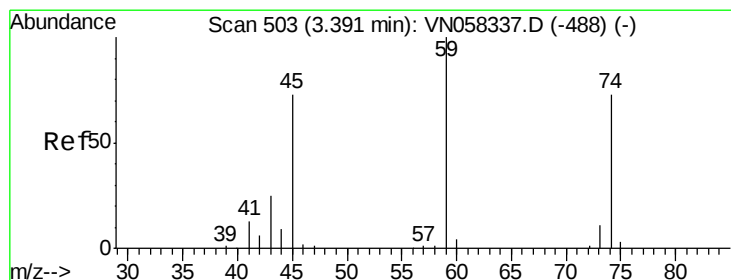
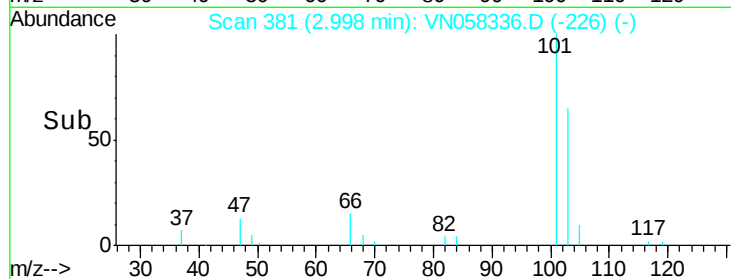
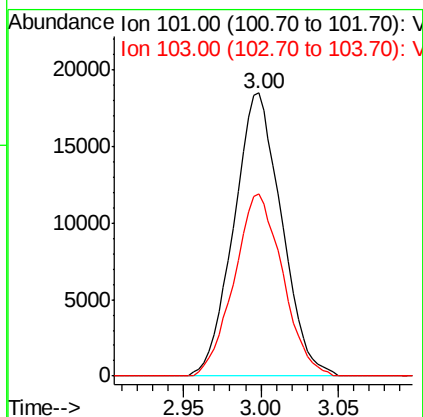
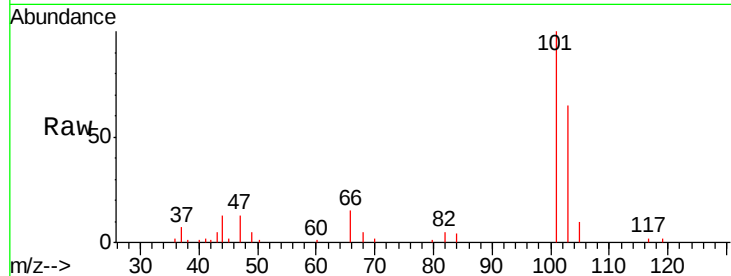


#7

Trichlorofluoromethane
 Concen: 4.778 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

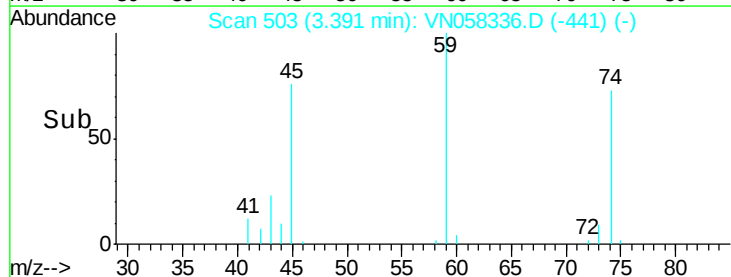
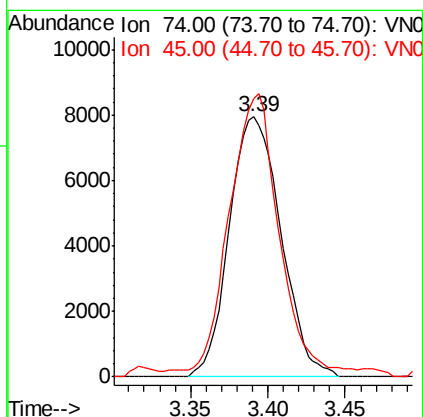
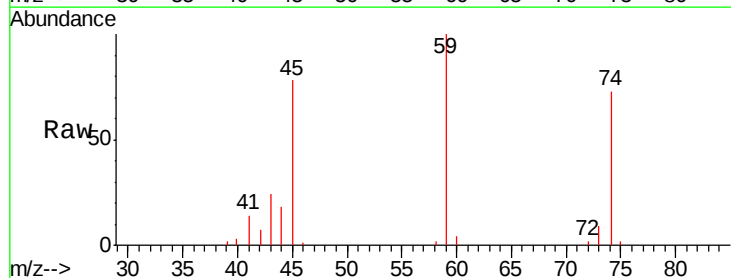
Tgt Ion: 101 Resp: 39743
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

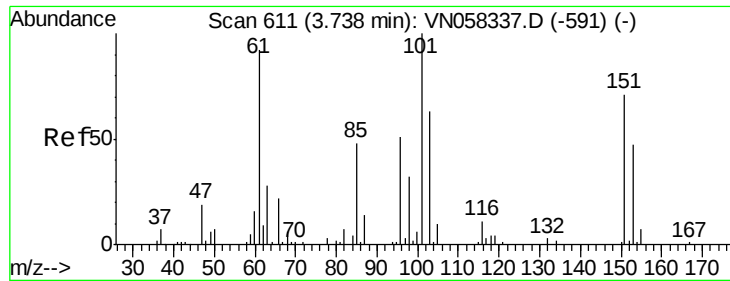


#8

Diethyl Ether
 Concen: 5.286 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 74 Resp: 18426
 Ion Ratio Lower Upper
 74 100
 45 106.4 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.200 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

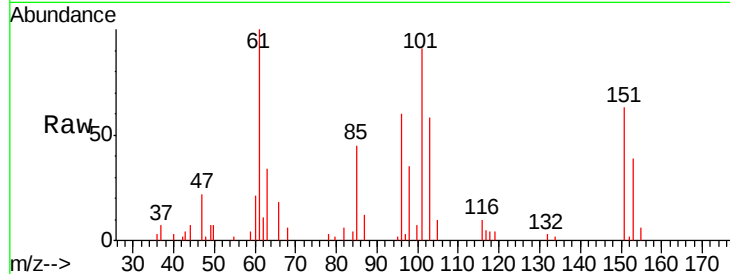
Tgt Ion:101 Resp: 28085

Ion Ratio Lower Upper

101 100

85 48.1 0.0 93.0

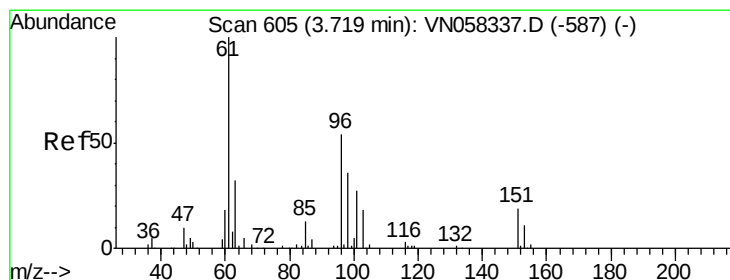
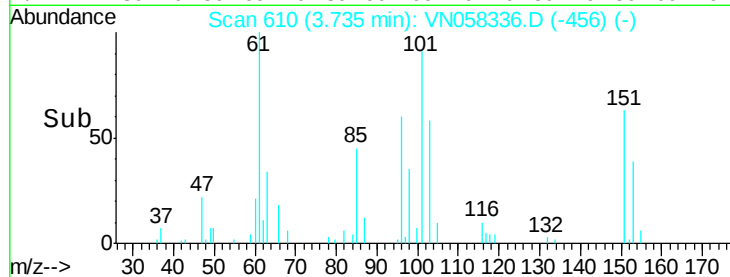
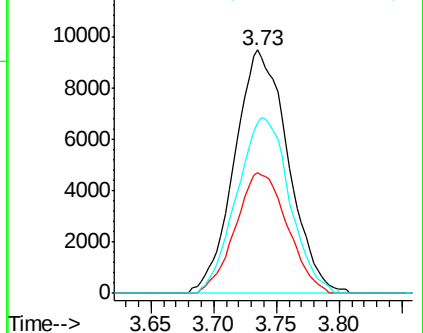
151 71.0 0.0 147.2



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: 5.302 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

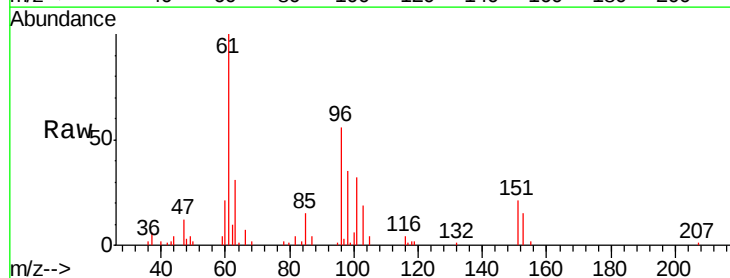
Tgt Ion: 96 Resp: 27506

Ion Ratio Lower Upper

96 100

61 178.2 146.9 220.3

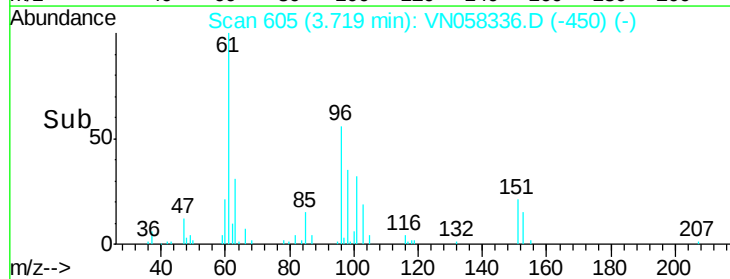
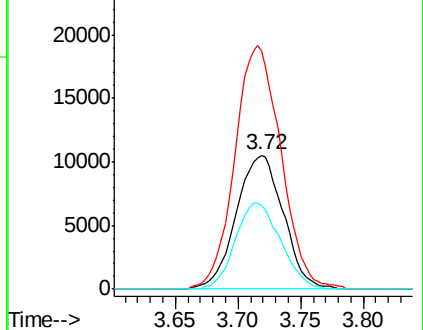
98 62.7 52.3 78.5

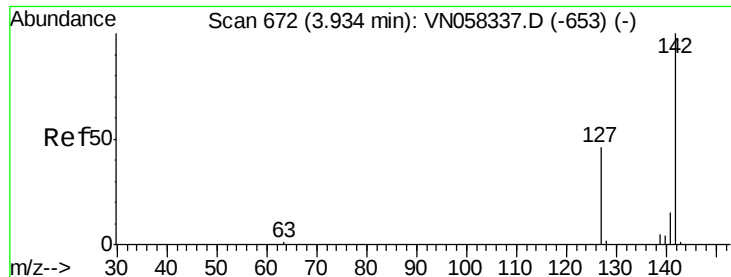


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

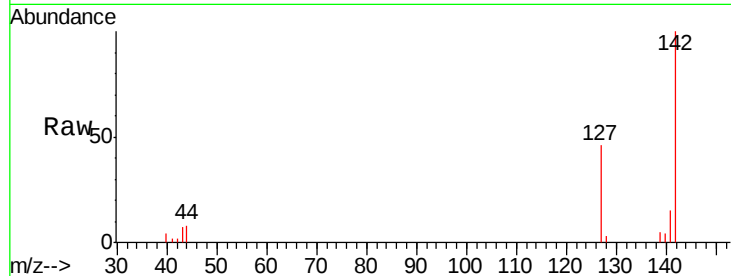




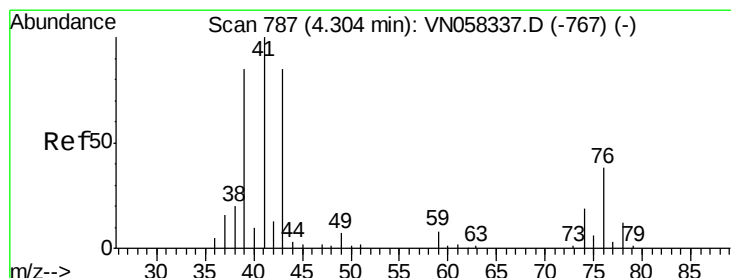
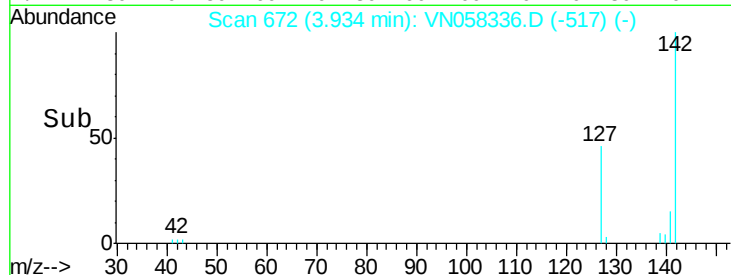
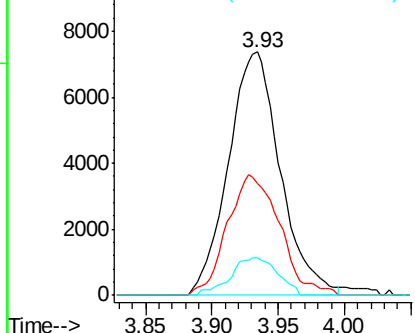
#11
Methyl Iodide
Concen: 3.089 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 142 Resp: 20061
Ion Ratio Lower Upper
142 100
127 46.7 22.9 68.7
141 15.6 7.4 22.3

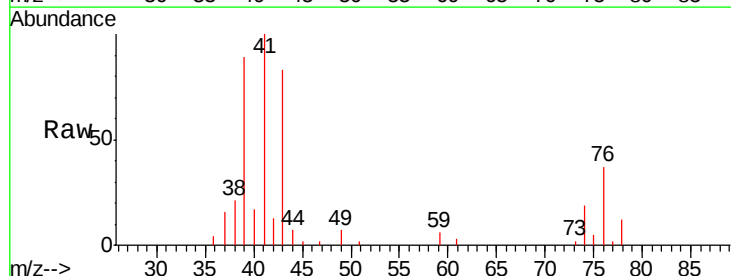


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

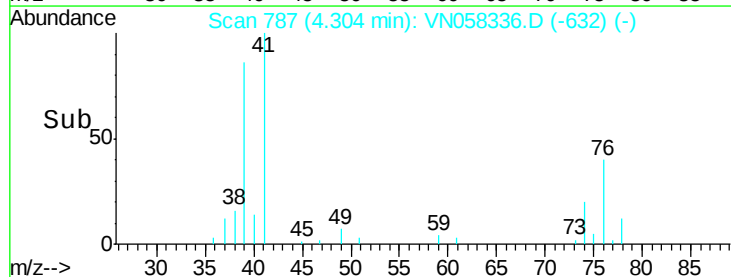
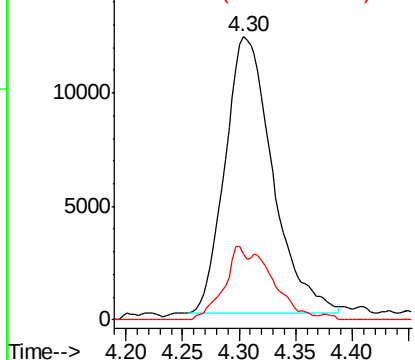


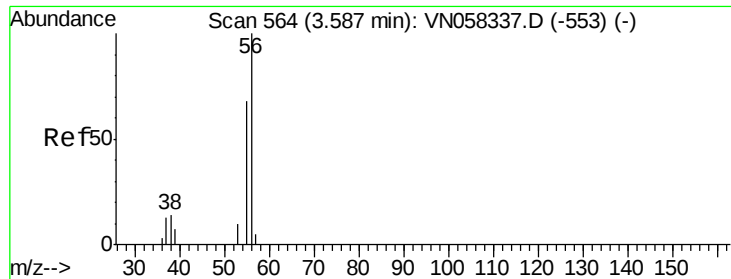
#12
Methyl Acetate
Concen: 5.087 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 43 Resp: 35490
Ion Ratio Lower Upper
43 100
74 24.1 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 0.282 ug/l

RT: 3.71 min Scan# 601

Delta R.T. 0.12 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

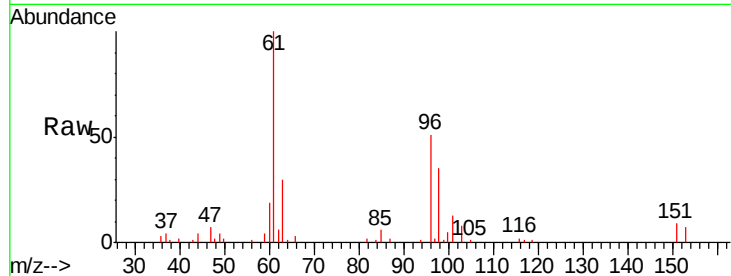
VSTDIC005

Tgt Ion: 56 Resp: 100

Ion Ratio Lower Upper

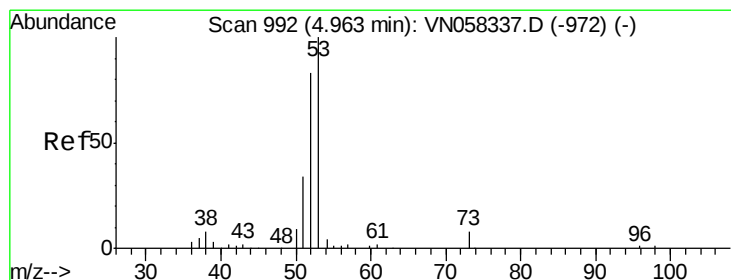
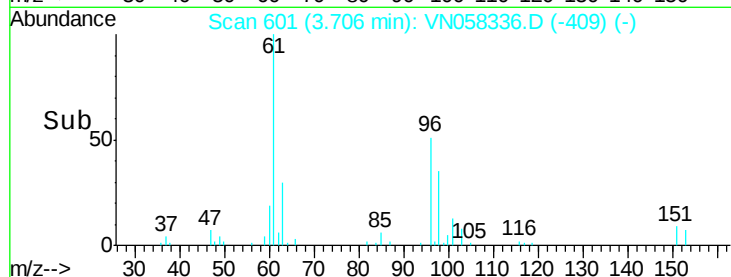
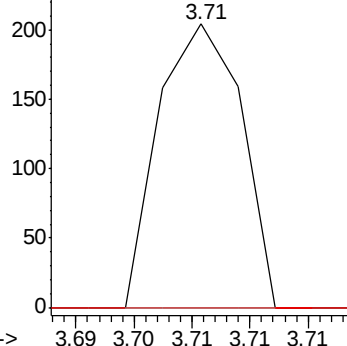
56 100

55 63.0 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 24.431 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

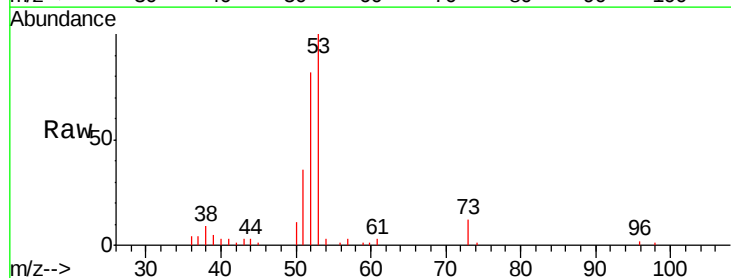
Tgt Ion: 53 Resp: 70196

Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

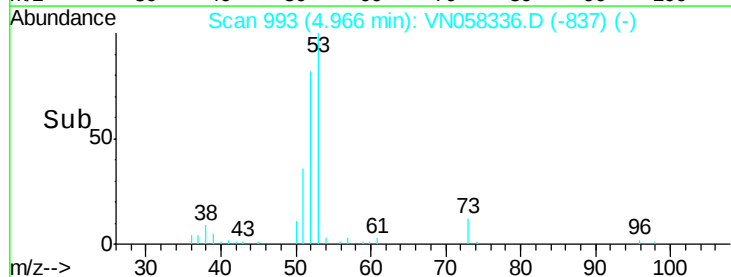
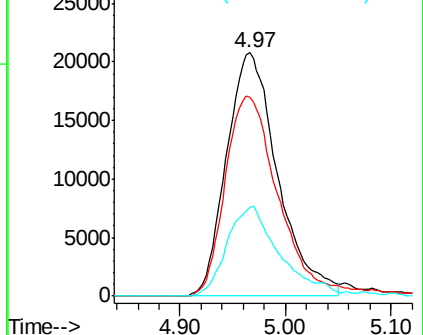
51 36.4 18.3 54.8

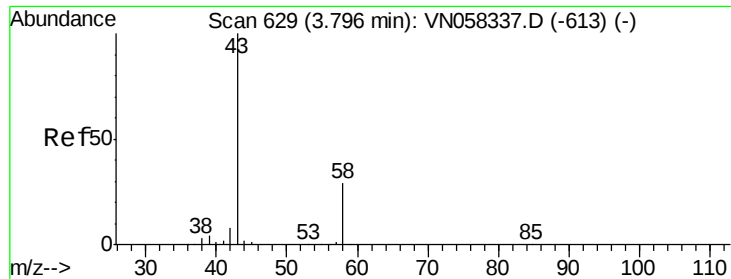


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 27.631 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

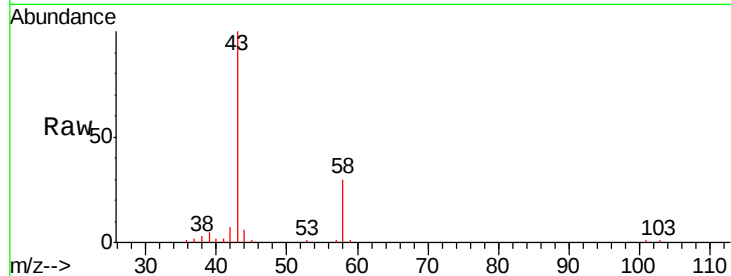
VSTDIC005

Tgt Ion: 58 Resp: 22410

Ion Ratio Lower Upper

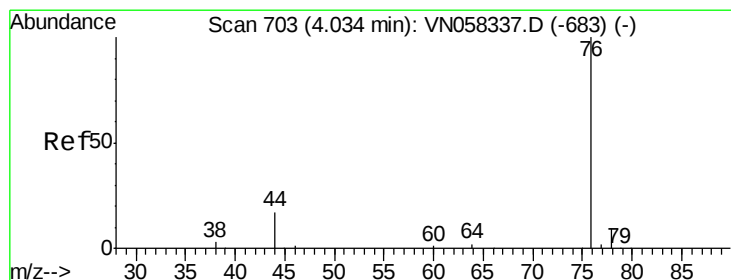
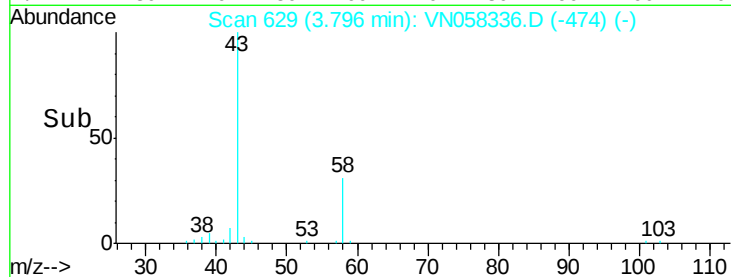
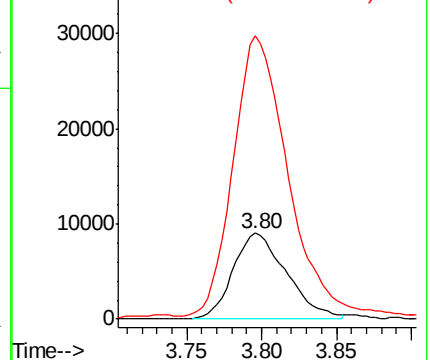
58 100

43 329.7 272.6 409.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 5.464 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058336.D

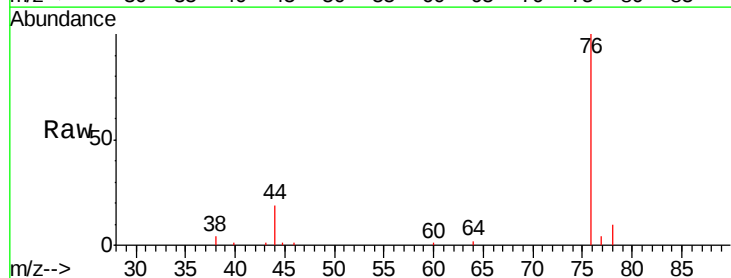
Acq: 24 Sep 2019 10:08

Tgt Ion: 76 Resp: 68016

Ion Ratio Lower Upper

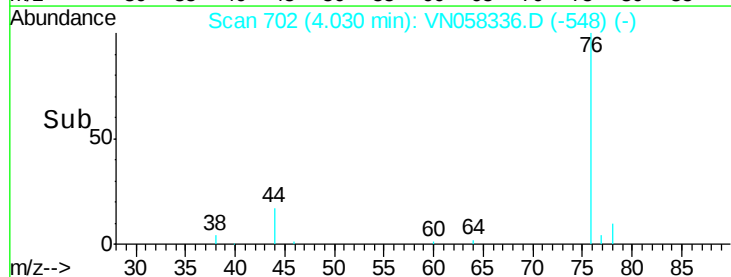
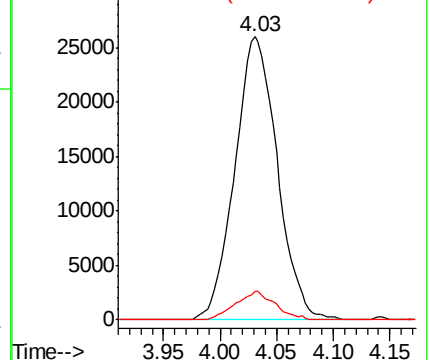
76 100

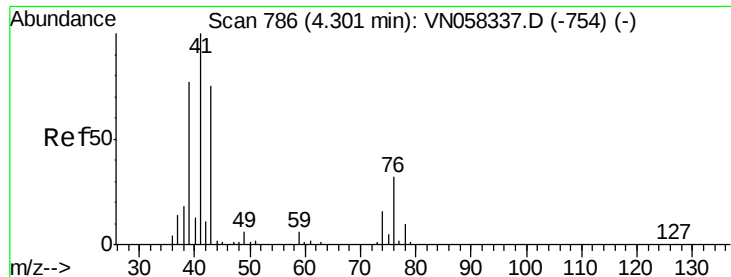
78 10.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 5.118 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

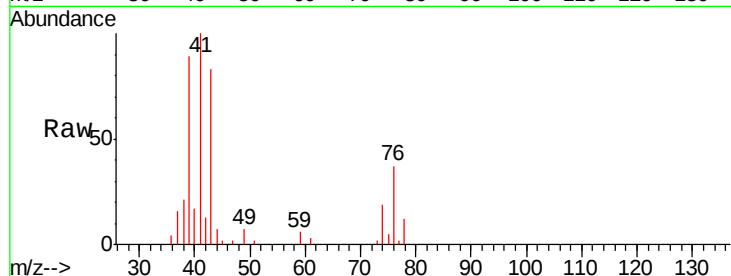
Tgt Ion: 41 Resp: 48883

Ion Ratio Lower Upper

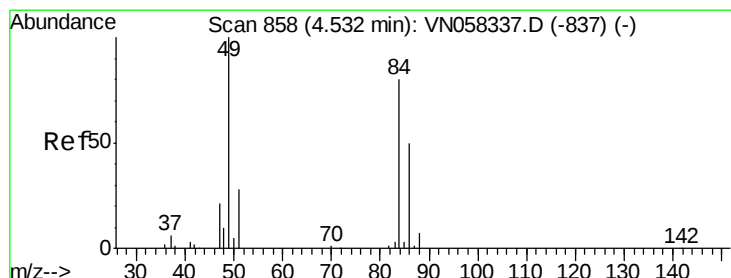
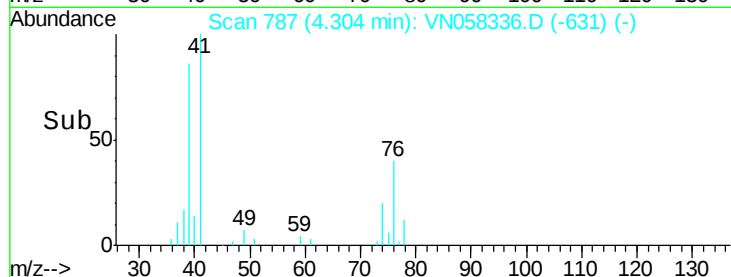
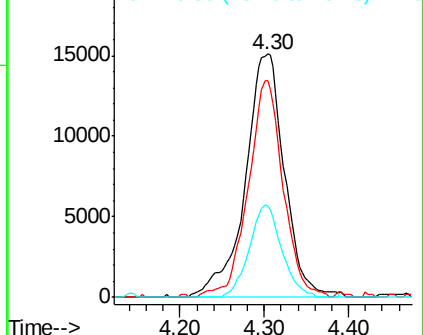
41 100

39 89.2 38.7 116.1

76 37.5 16.4 49.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 5.123 ug/l

RT: 4.53 min Scan# 857

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Tgt Ion: 84 Resp: 33081

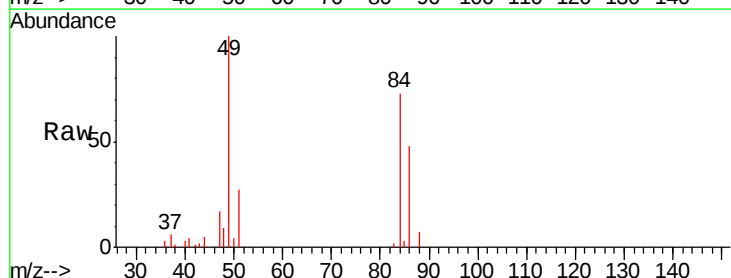
Ion Ratio Lower Upper

84 100

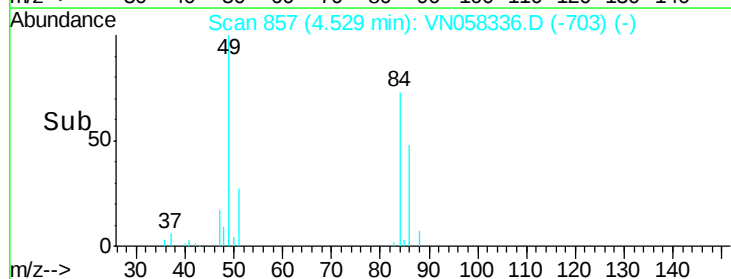
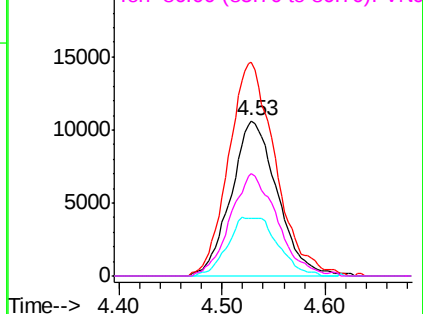
49 137.7 99.8 149.6

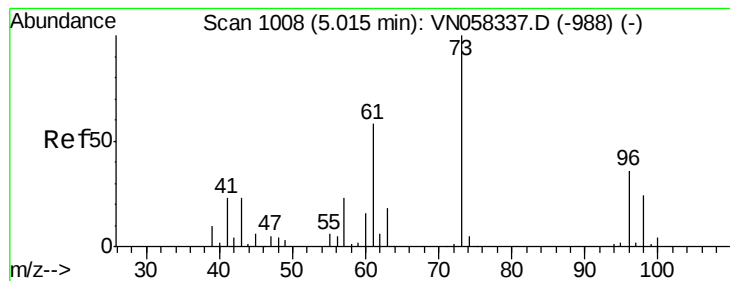
51 37.5 28.3 42.5

86 66.3 49.8 74.6



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#19

trans-1,2-Dichloroethene

Concen: 5.237 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

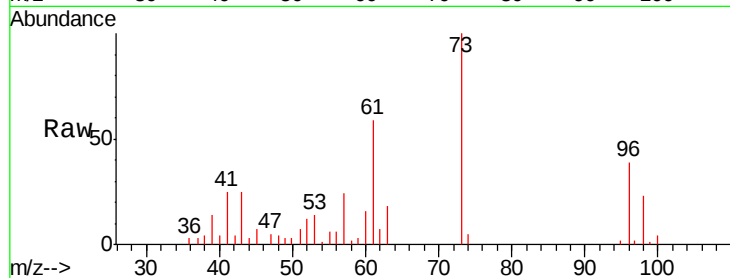
Tgt Ion: 96 Resp: 30273

Ion Ratio Lower Upper

96 100

61 149.6 128.0 192.0

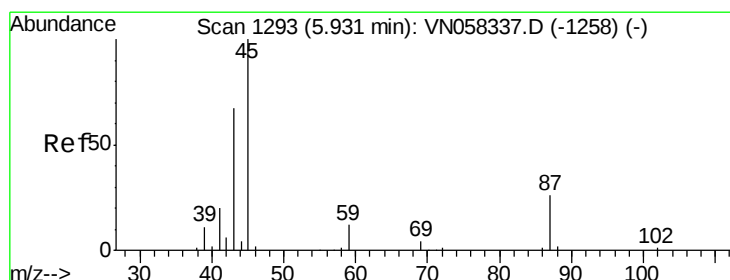
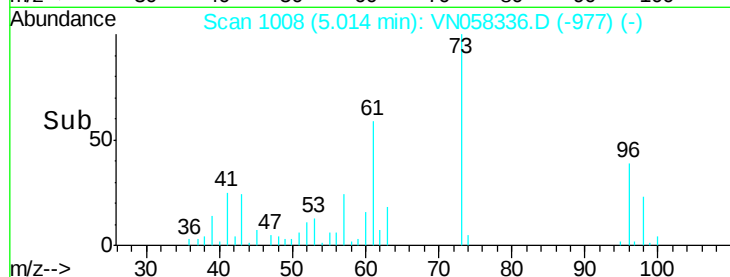
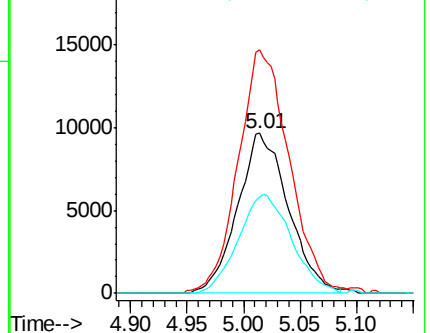
98 60.0 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 4.637 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Tgt Ion: 45 Resp: 101222

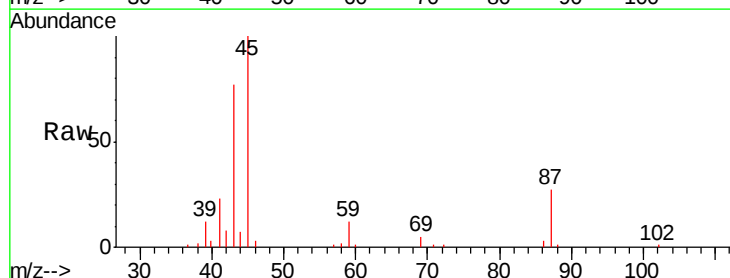
Ion Ratio Lower Upper

45 100

43 73.3 54.1 81.1

87 27.0 21.4 32.2

59 12.4 9.3 13.9

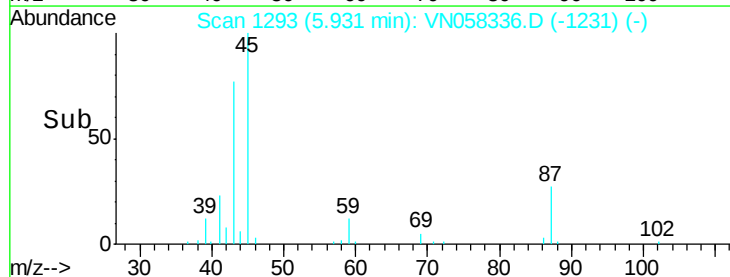
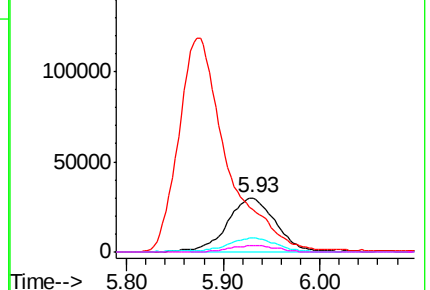


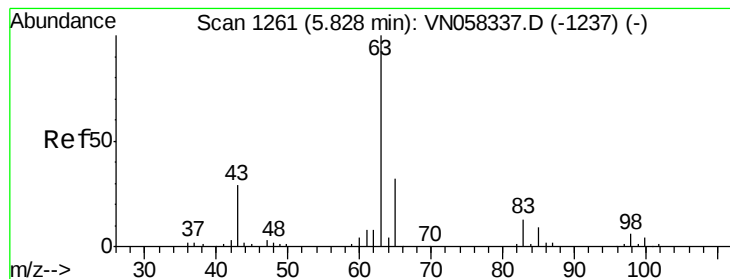
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

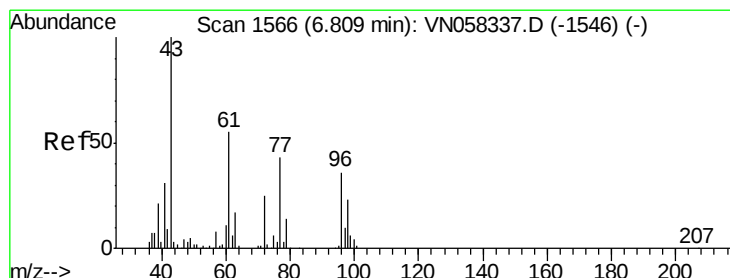
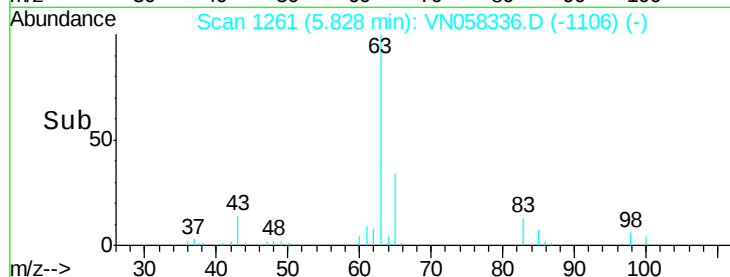
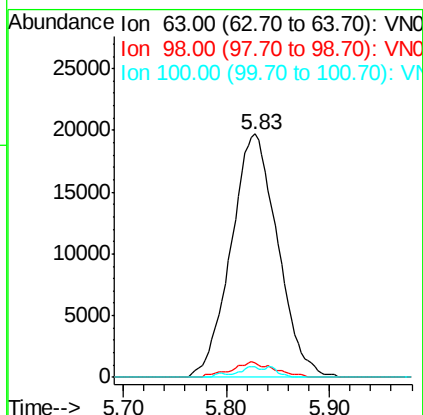
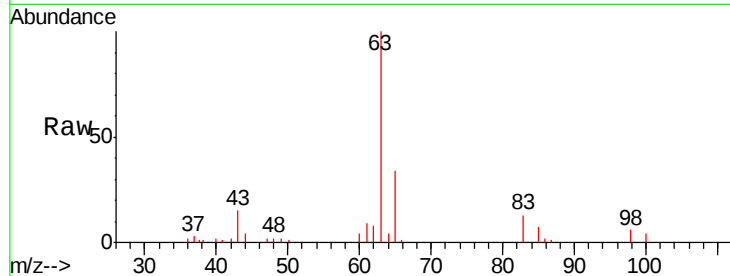




#21
 1,1-Dichloroethane
 Concen: 5.151 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

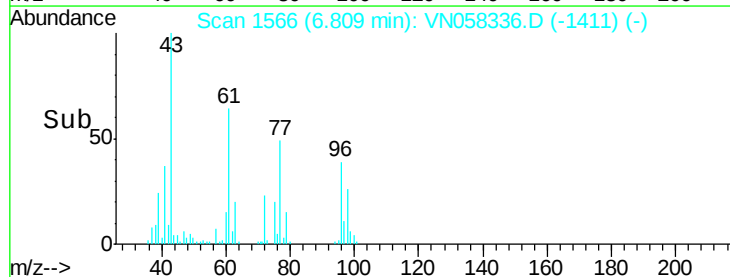
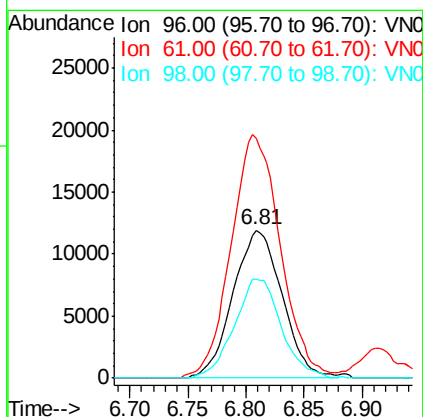
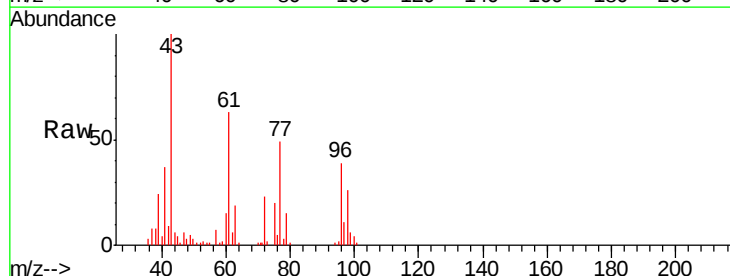
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

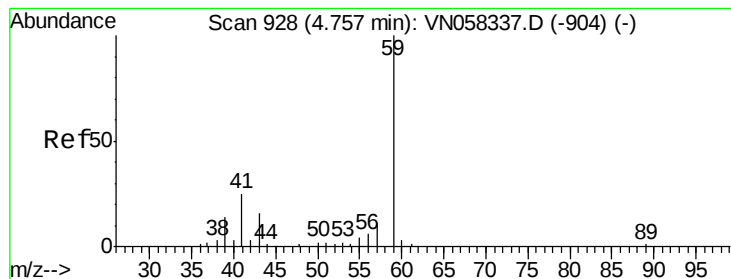
Tgt Ion: 63 Resp: 61980
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.2
 100 4.2 2.1 6.5



#22
 cis-1,2-Dichloroethene
 Concen: 5.010 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 96 Resp: 35073
 Ion Ratio Lower Upper
 96 100
 61 164.9 128.2 192.2
 98 64.0 50.6 76.0





#23

tert-Butyl Alcohol

Concen: 28.909 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

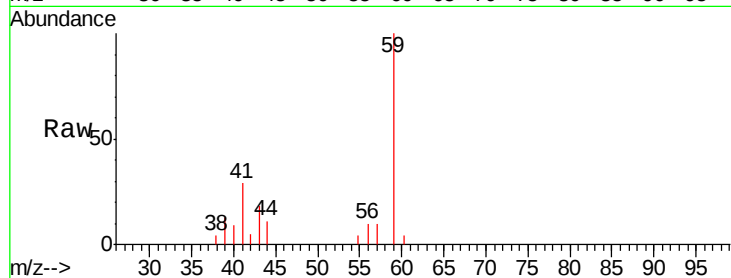
VSTDIC005

Tgt Ion: 59 Resp: 27579

Ion Ratio Lower Upper

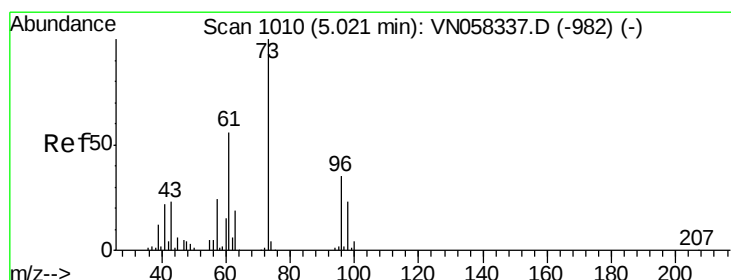
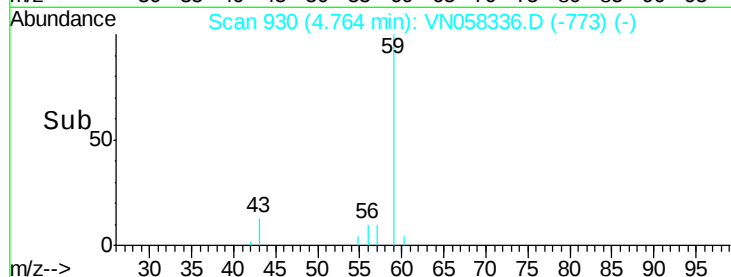
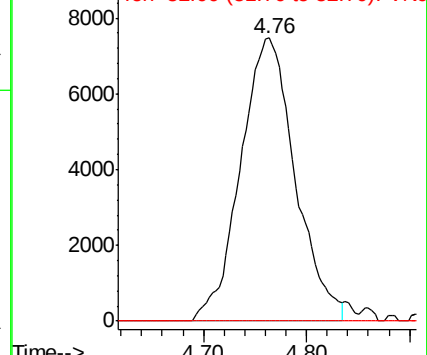
59 100

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: 5.022 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN058336.D

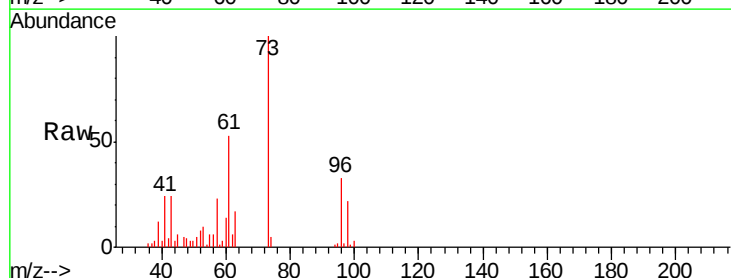
Acq: 24 Sep 2019 10:08

Tgt Ion: 73 Resp: 98170

Ion Ratio Lower Upper

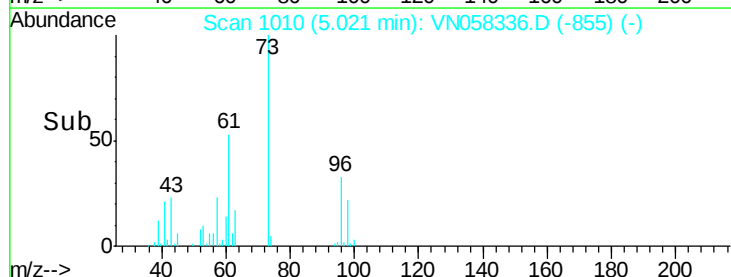
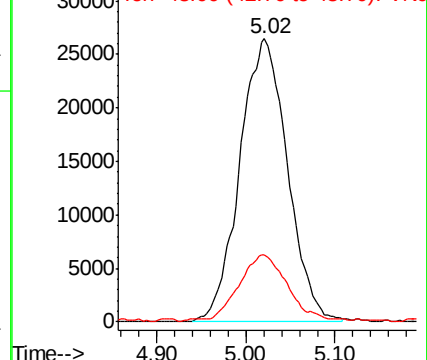
73 100

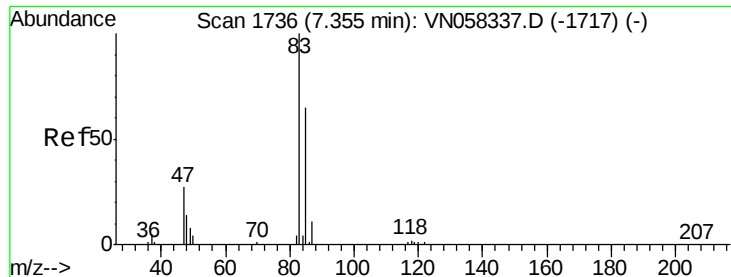
43 21.1 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#25

Chloroform

Concen: 5.089 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

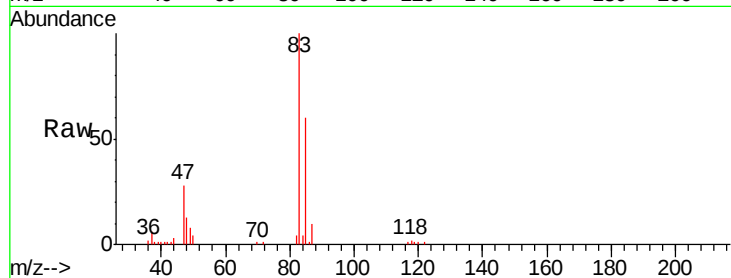
VSTDIC005

Tgt Ion: 83 Resp: 62409

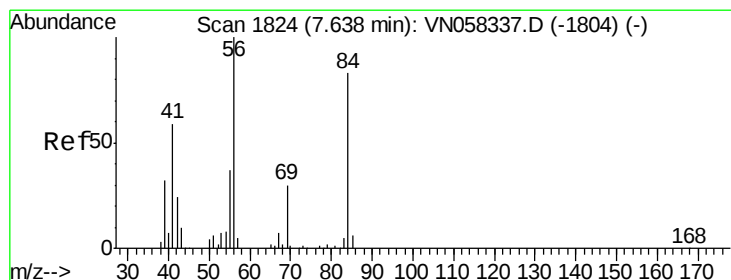
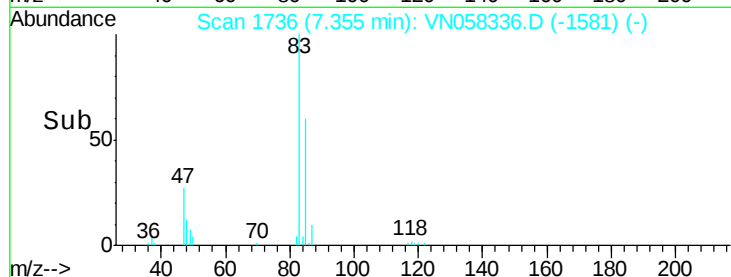
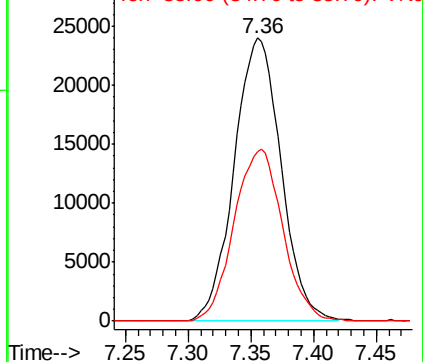
Ion Ratio Lower Upper

83 100

85 59.9 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO



#26

Cyclohexane

Concen: 5.233 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

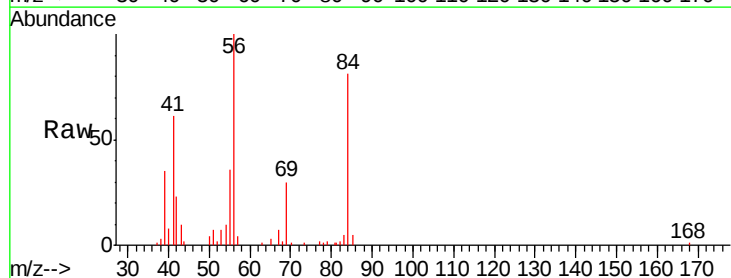
Tgt Ion: 56 Resp: 54311

Ion Ratio Lower Upper

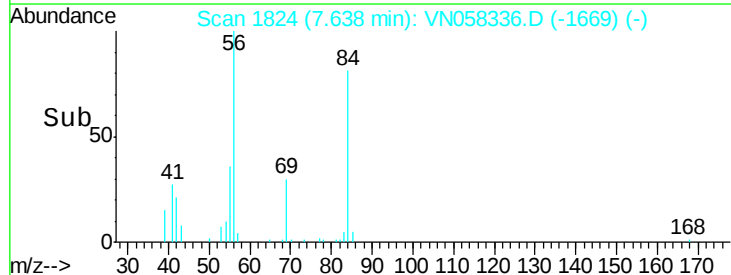
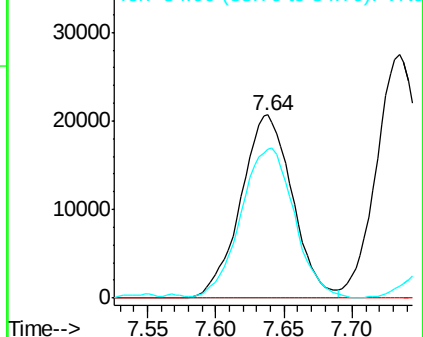
56 100

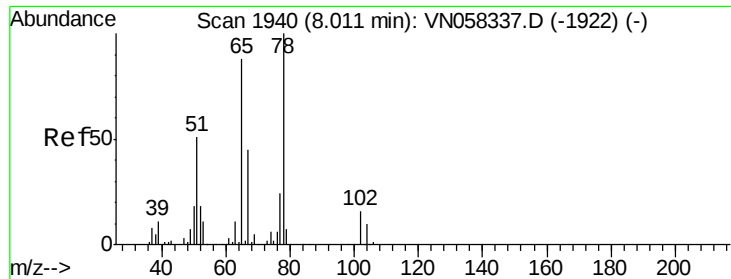
89 0.0 0.1 0.1#

84 84.8 66.9 100.3



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO





#27

1,2-Dichloroethane-d4

Concen: 30.739 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

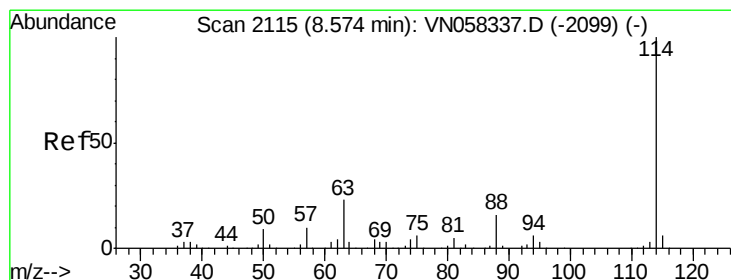
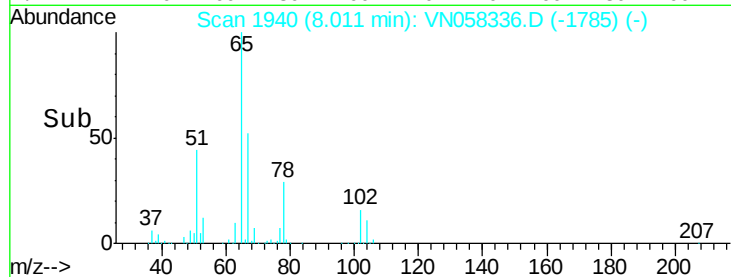
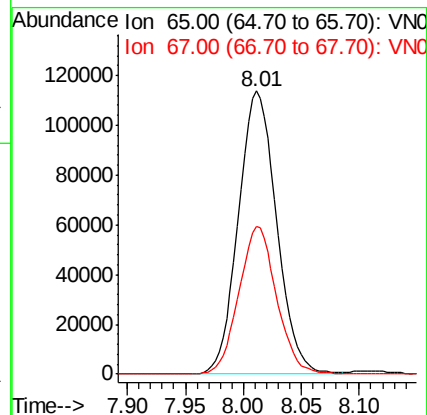
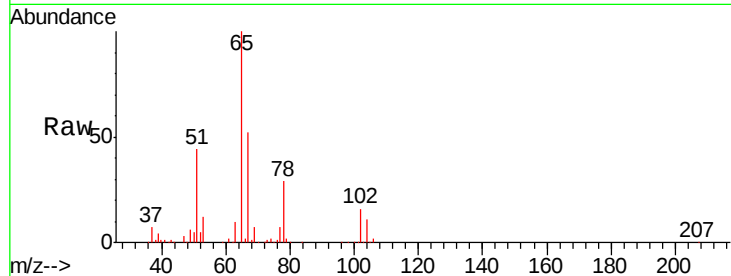
VSTDIC005

Tgt Ion: 65 Resp: 261719

Ion Ratio Lower Upper

65 100

67 51.2 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: VN058336.D

Acq: 24 Sep 2019 10:08

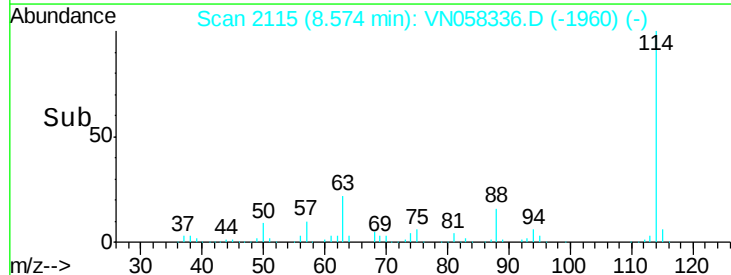
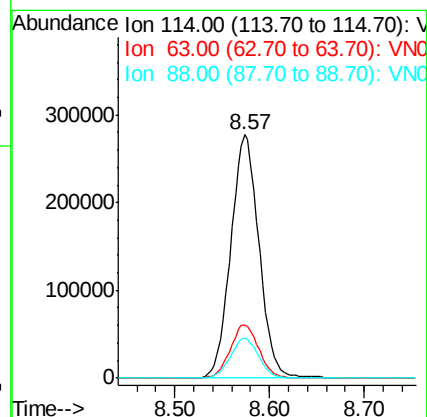
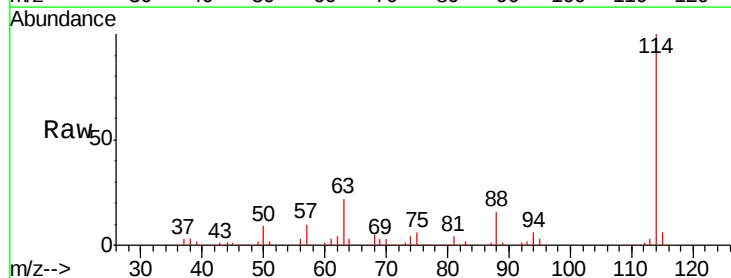
Tgt Ion: 114 Resp: 574742

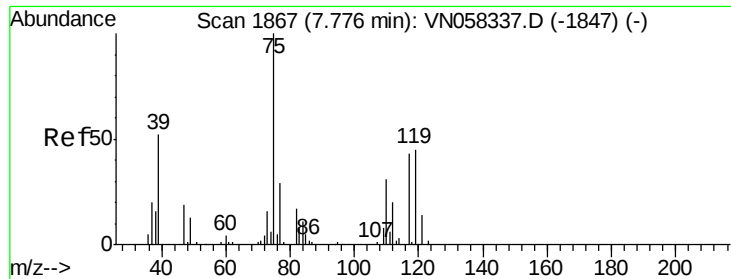
Ion Ratio Lower Upper

114 100

63 22.2 17.8 26.8

88 16.3 12.7 19.1

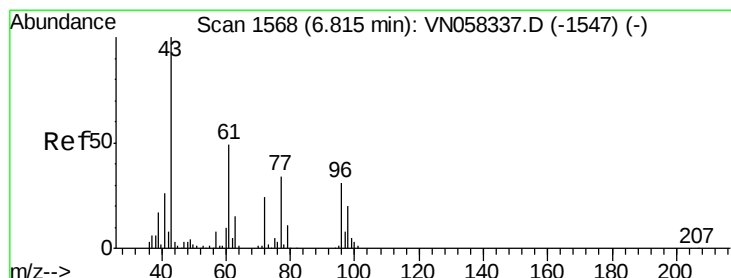
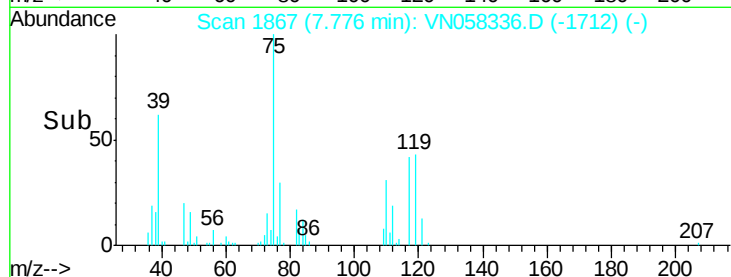
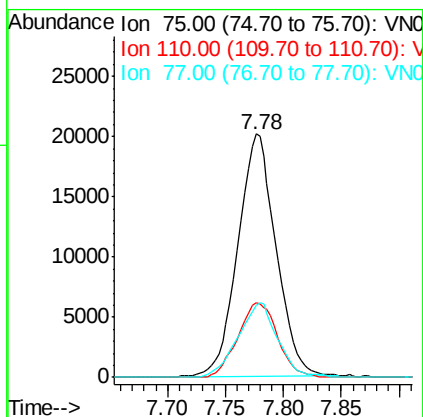
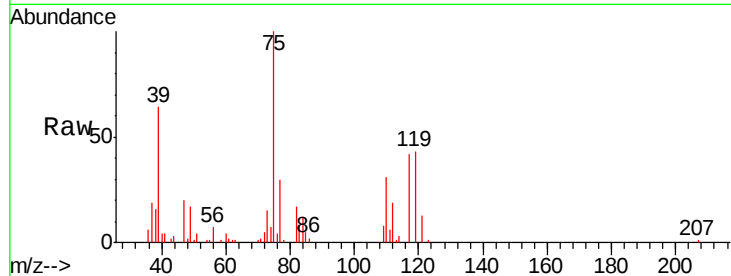




#29
 1,1-Dichloropropene
 Concen: 5.023 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

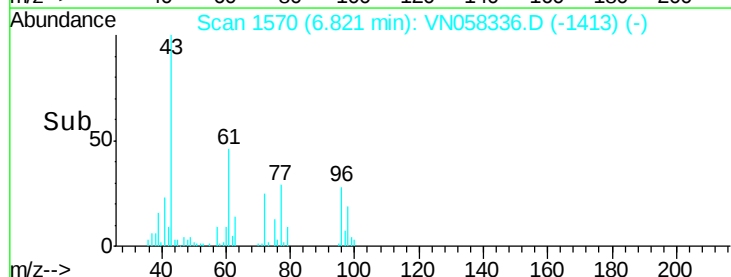
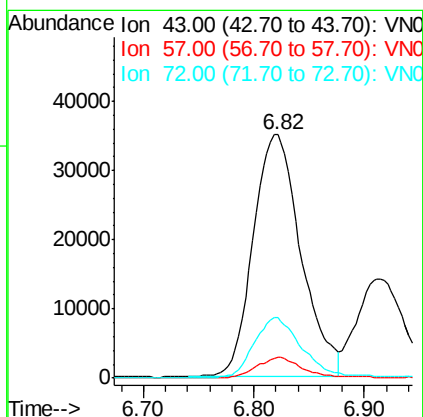
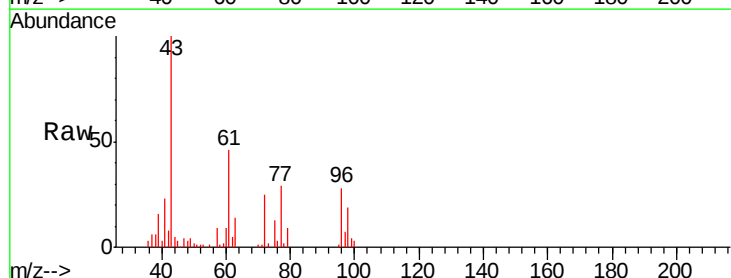
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

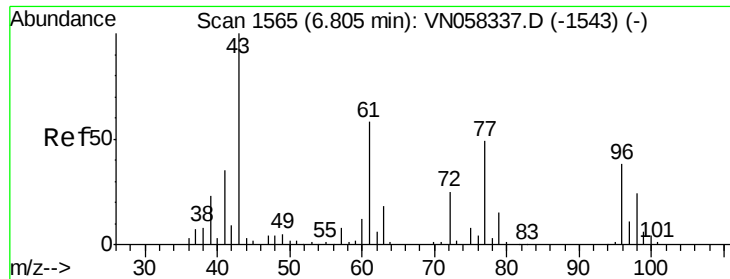
Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	0.0	63.6
77	31.7	0.0	59.4



#30
 2-Butanone
 Concen: 25.500 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.2	9.4
72	24.6	20.3	30.5





#31

2,2-Dichloropropane

Concen: 4.803 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

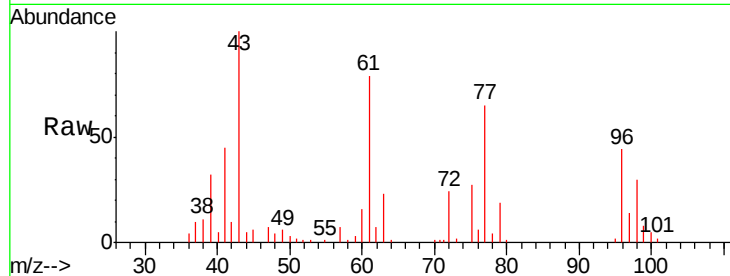
VSTDIC005

Tgt Ion: 77 Resp: 46459

Ion Ratio Lower Upper

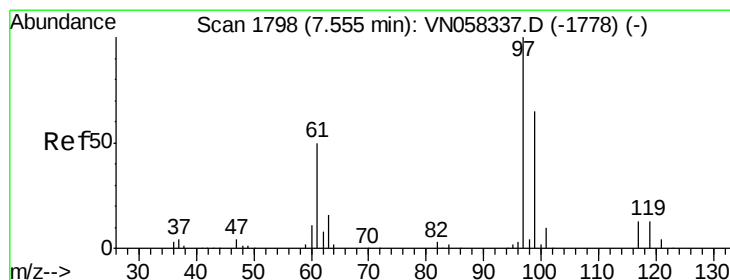
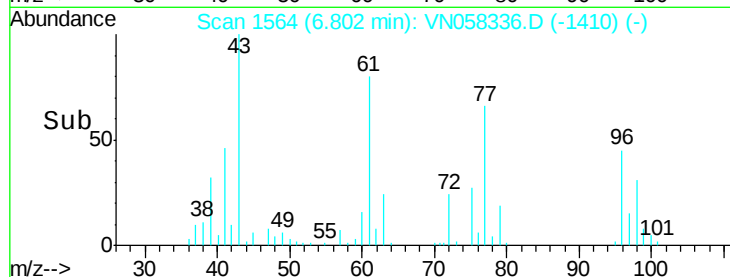
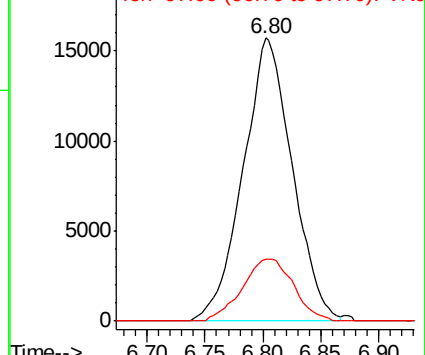
77 100

97 23.0 17.6 26.4



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 4.858 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

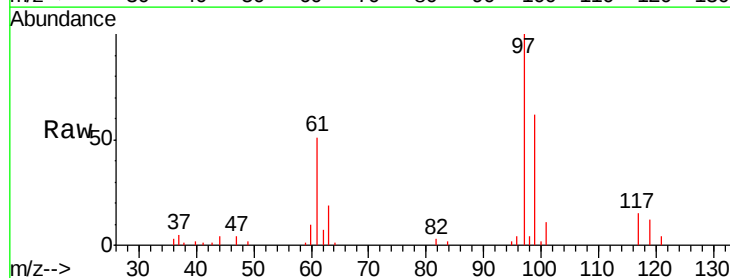
Tgt Ion: 97 Resp: 49637

Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

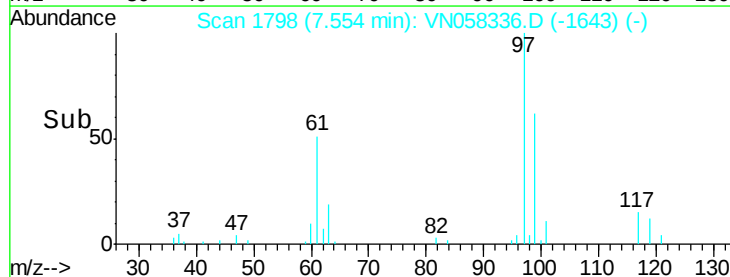
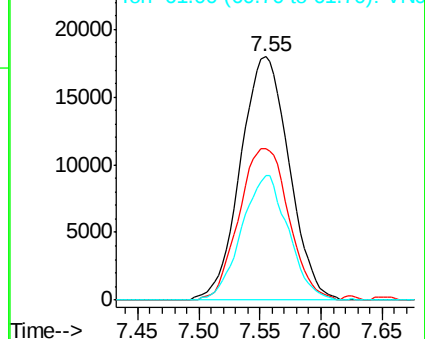
61 49.0 39.4 59.2

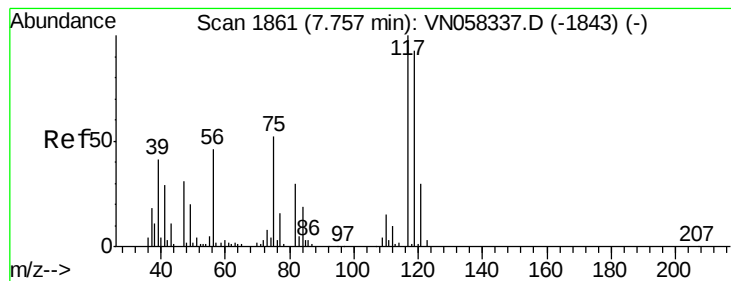


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 4.715 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

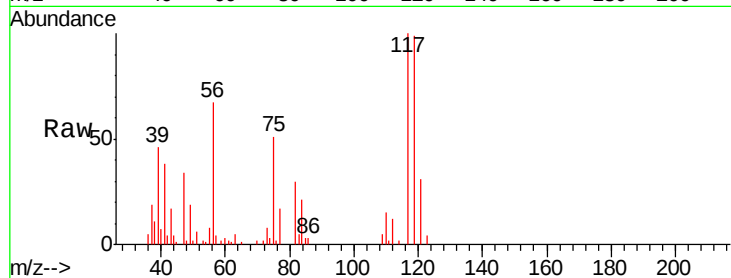
Tgt Ion:117 Resp: 39853

Ion Ratio Lower Upper

117 100

119 98.9 74.2 111.4

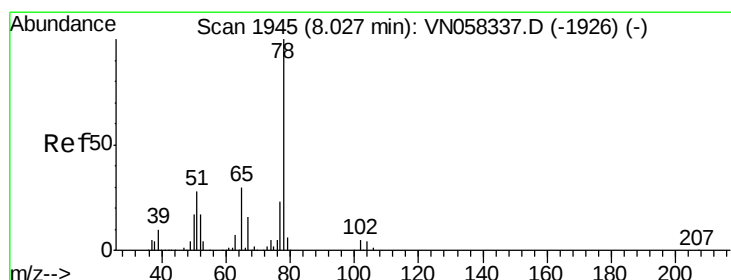
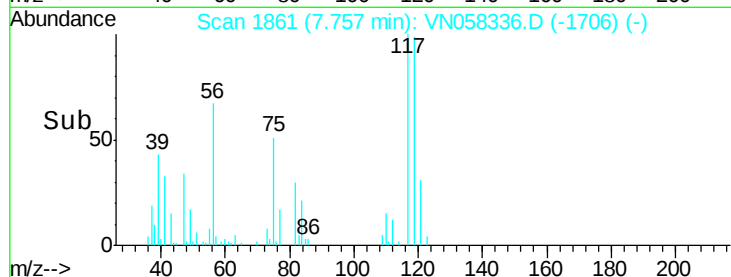
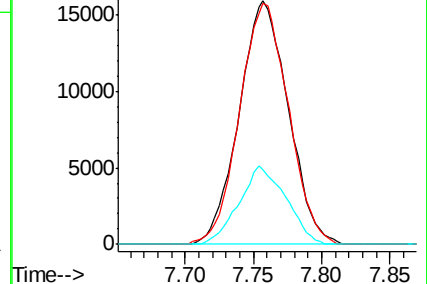
121 30.6 23.9 35.9



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: 5.006 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

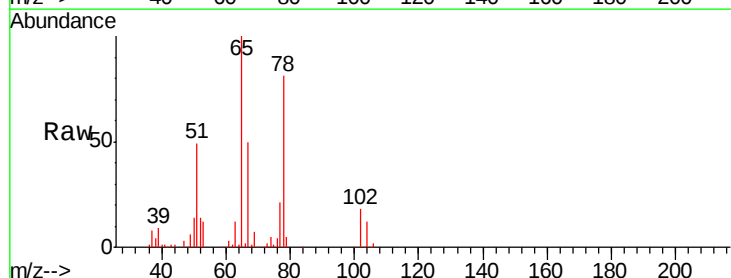
Tgt Ion: 78 Resp: 134948

Ion Ratio Lower Upper

78 100

77 25.5 18.8 28.2

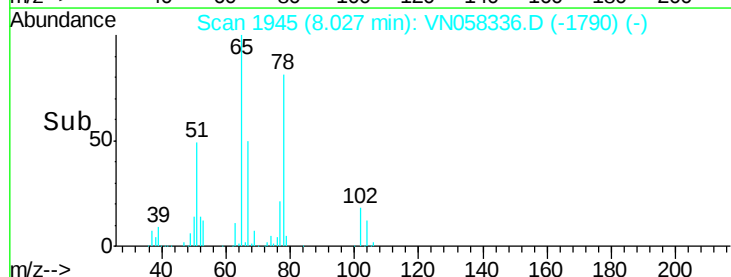
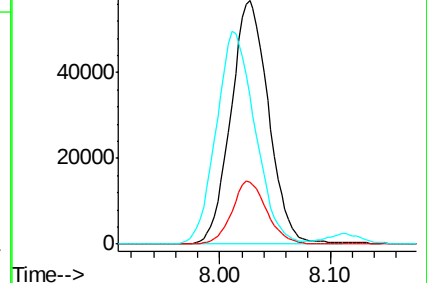
51 57.0 22.4 33.6#

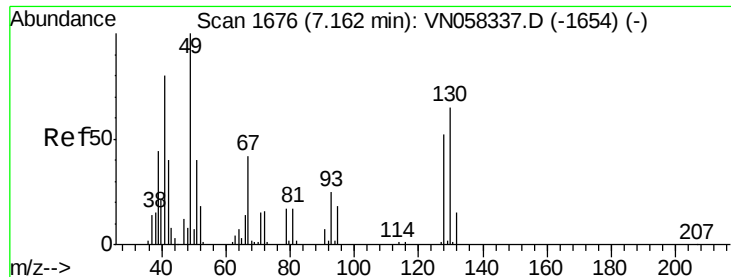


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

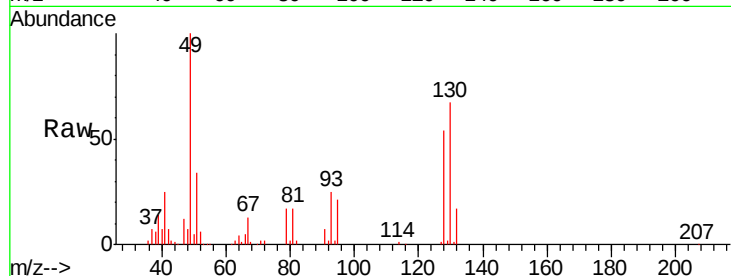




#35
Methacrylonitrile
Concen: 5.201 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	20230
Ion	Ratio	Lower	Upper
41	100		
39	57.8	27.3	81.9
67	52.4	26.3	78.9
52	24.6	11.0	33.0

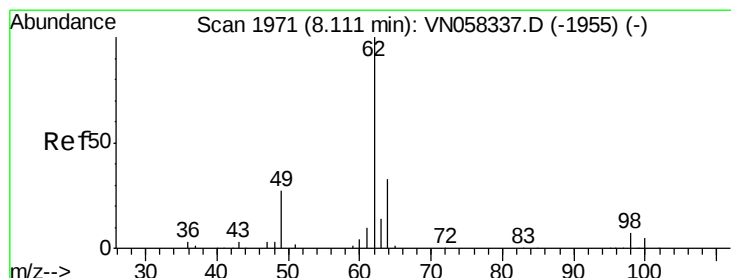
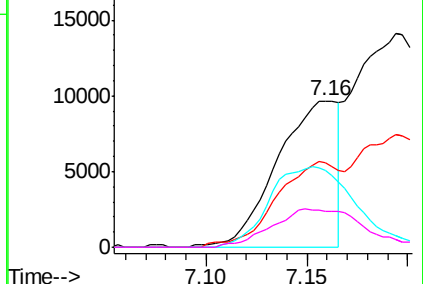
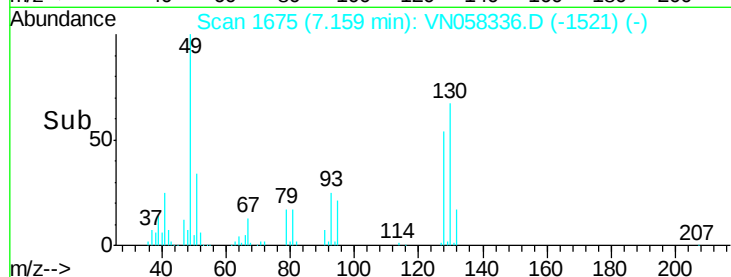


Abundance Ion 41.00 (40.70 to 41.70): VN058336.D (-1521) (-)

Ion 39.00 (38.70 to 39.70): VN058336.D (-1521) (-)

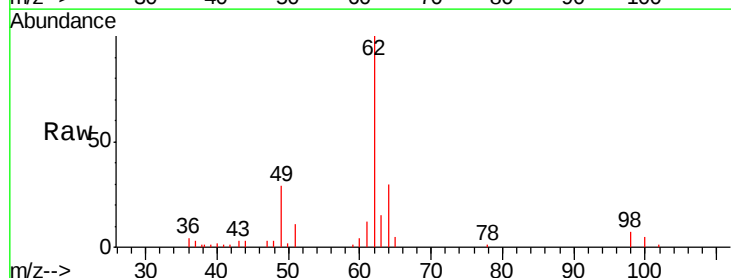
Ion 67.00 (66.70 to 67.70): VN058336.D (-1521) (-)

Ion 52.00 (51.70 to 52.70): VN058336.D (-1521) (-)



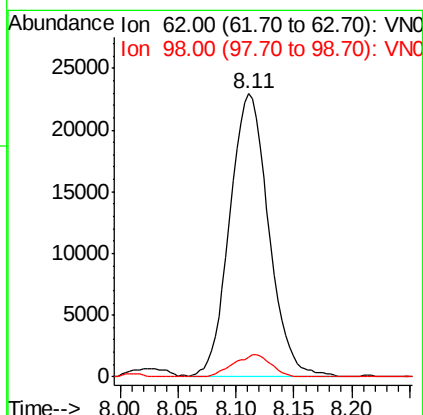
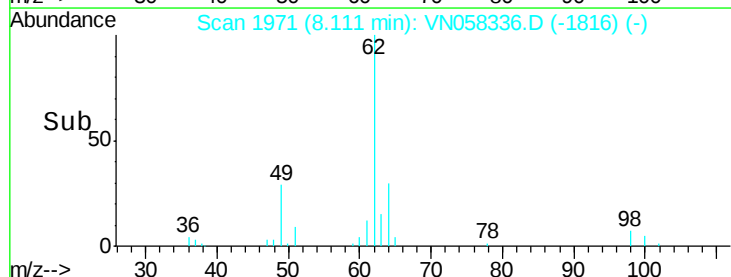
#36
1,2-Dichloroethane
Concen: 5.123 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

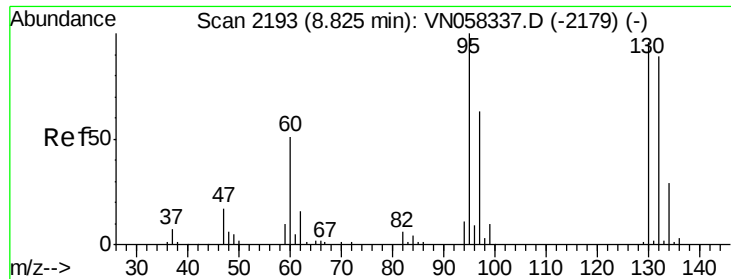
Tgt Ion:	62	Resp:	53549
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.0	9.0



Abundance Ion 62.00 (61.70 to 62.70): VN058336.D (-1816) (-)

Ion 98.00 (97.70 to 98.70): VN058336.D (-1816) (-)

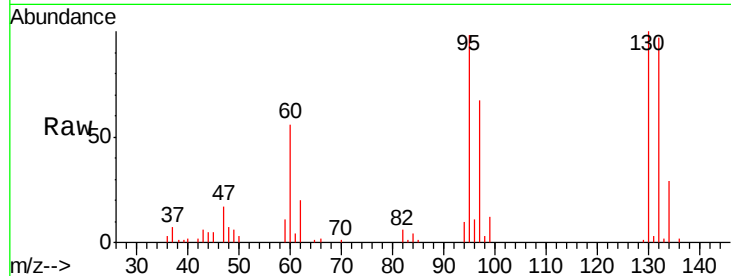




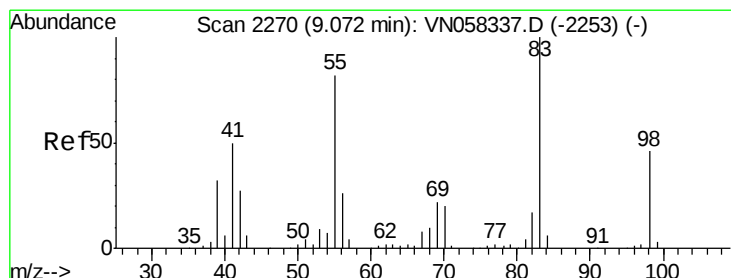
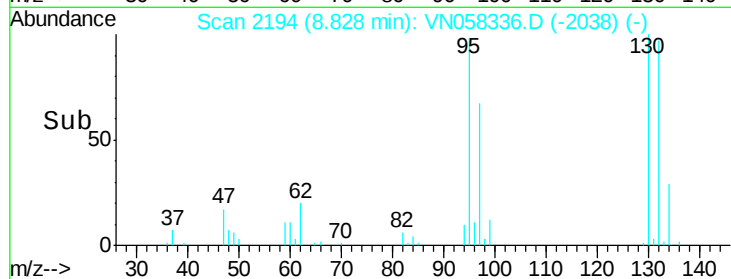
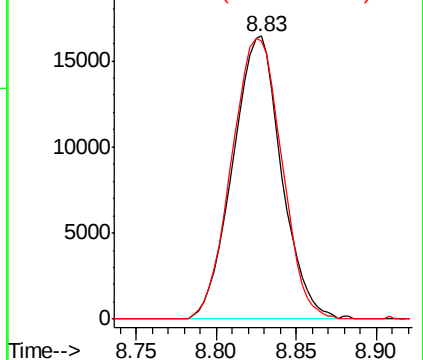
#37
 Trichloroethene
 Concen: 5.189 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 34173
 Ion Ratio Lower Upper
 130 100
 95 98.1 83.3 124.9

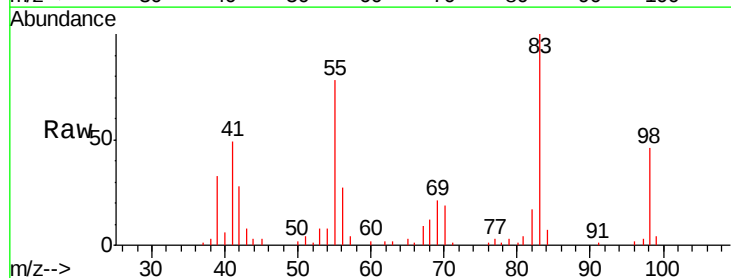


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

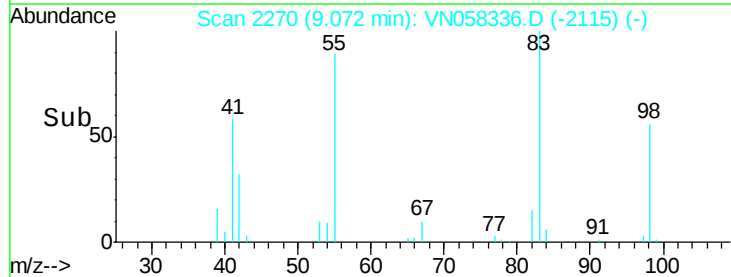
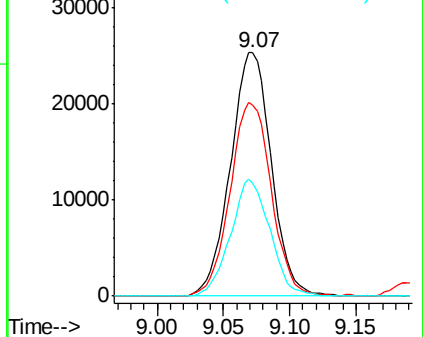


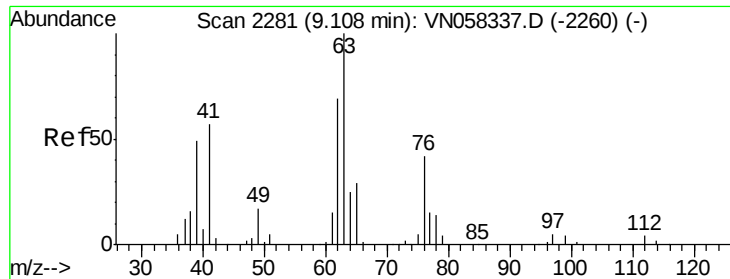
#38
 Methylcyclohexane
 Concen: 5.155 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 83 Resp: 54339
 Ion Ratio Lower Upper
 83 100
 55 79.8 40.5 121.4
 98 45.9 23.1 69.2



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

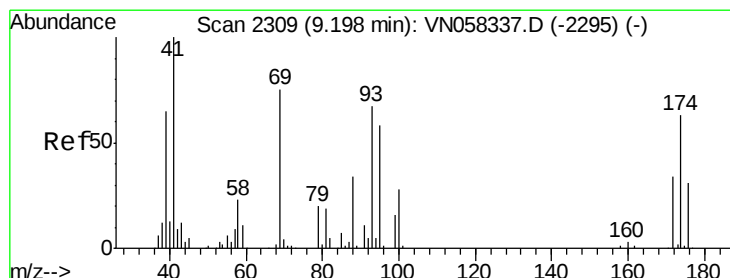
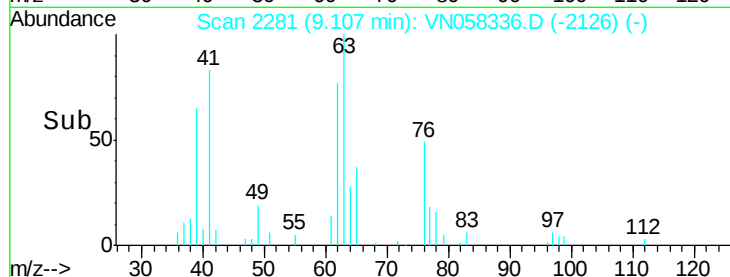
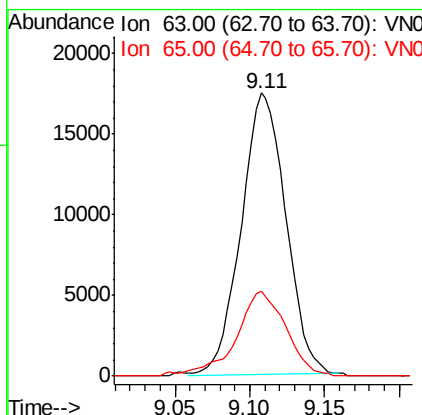
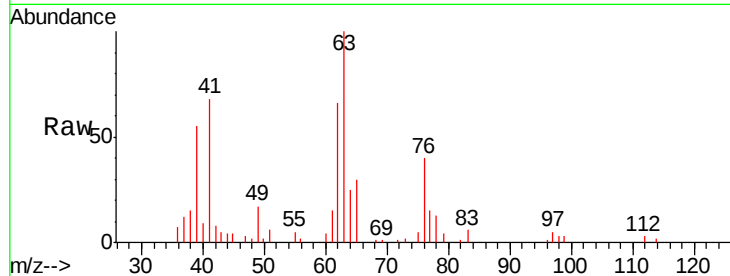




#39
 1,2-Dichloropropane
 Concen: 4.818 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

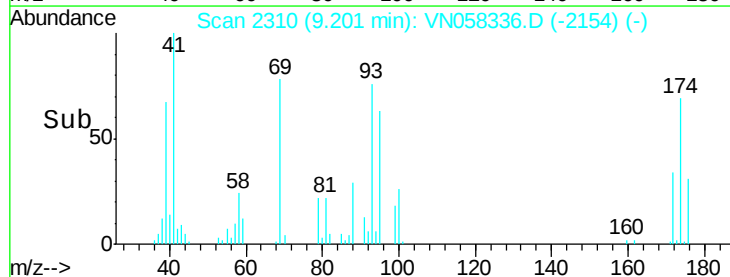
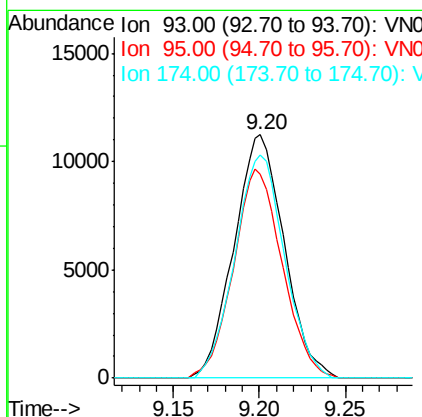
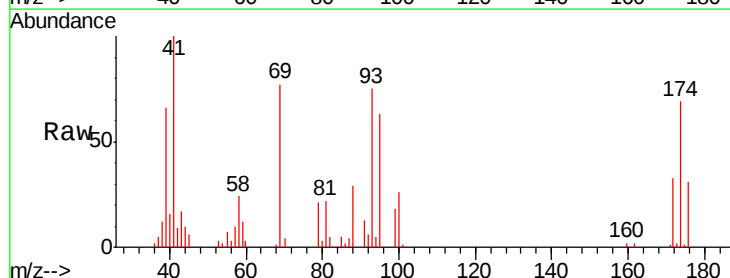
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

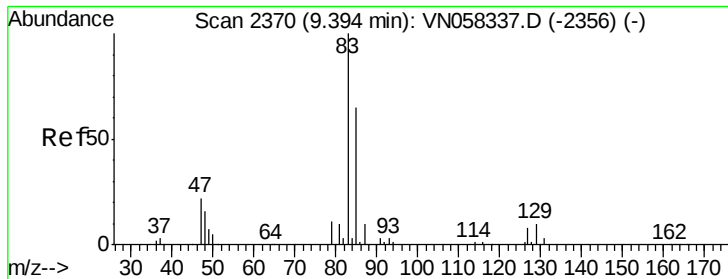
Tgt Ion: 63 Resp: 36211
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.4 35.0



#40
 Dibromomethane
 Concen: 4.946 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 93 Resp: 22742
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 166.8
 174 90.9 0.0 187.2





#41

Bromodichloromethane

Concen: 4.461 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

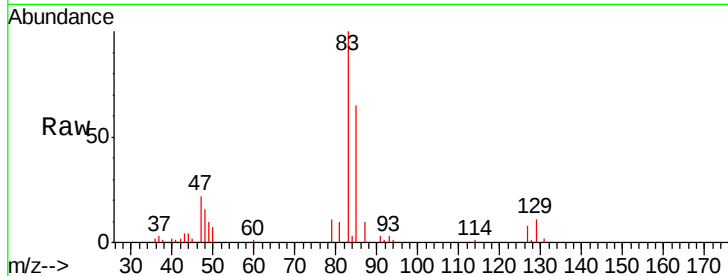
Tgt Ion: 83 Resp: 41374

Ion Ratio Lower Upper

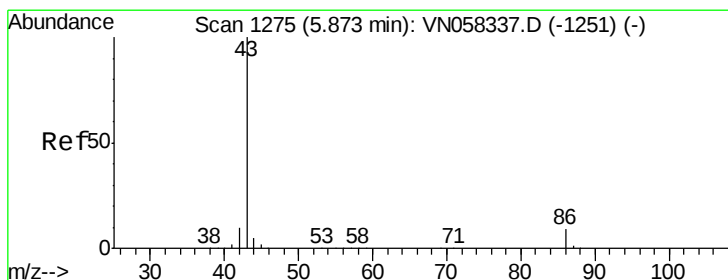
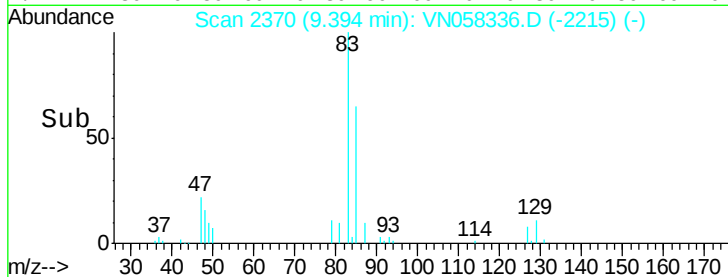
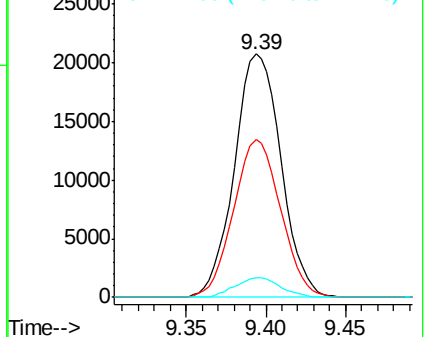
83 100

85 64.6 52.0 78.0

127 9.4 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 24.804 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058336.D

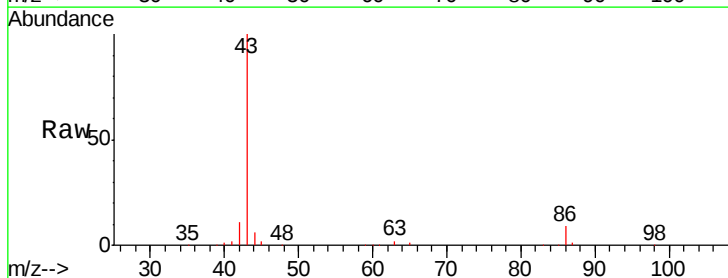
Acq: 24 Sep 2019 10:08

Tgt Ion: 43 Resp: 409681

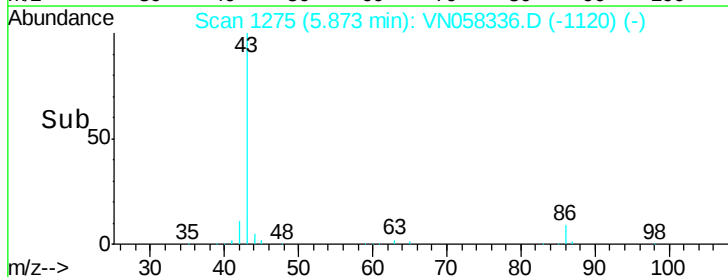
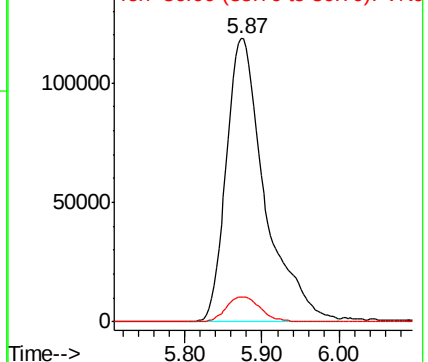
Ion Ratio Lower Upper

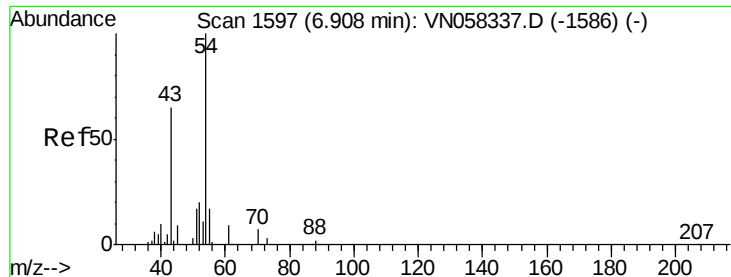
43 100

86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO





#43

Ethyl Acetate

Concen: 4.864 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

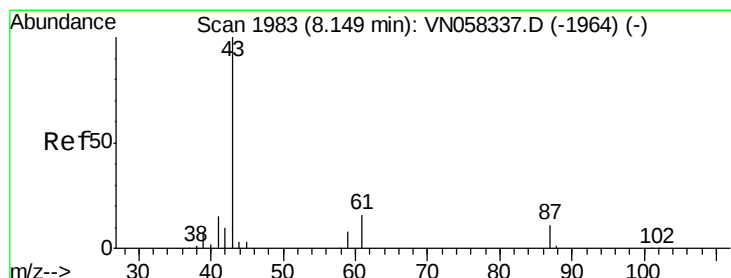
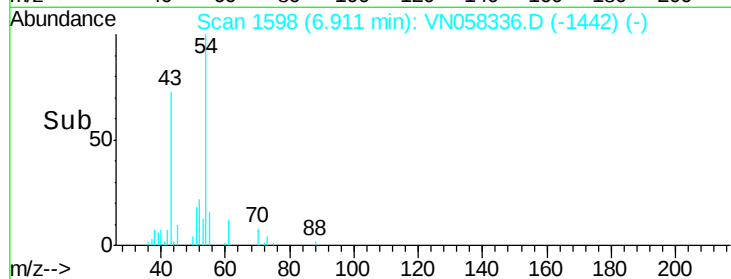
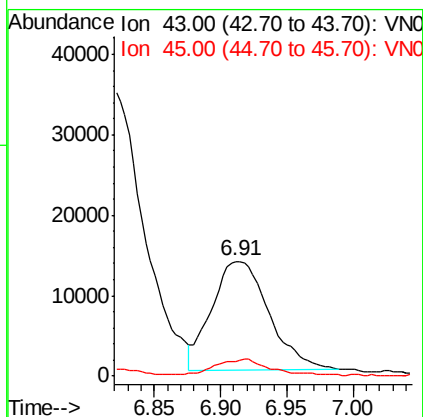
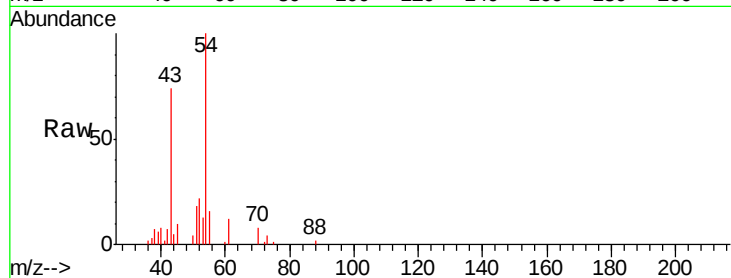
VSTDIC005

Tgt Ion: 43 Resp: 40536

Ion Ratio Lower Upper

43 100

45 12.4 9.8 14.6



#44

Isopropyl Acetate

Concen: 5.011 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058336.D

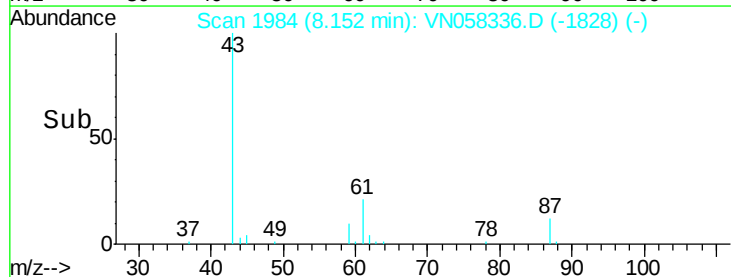
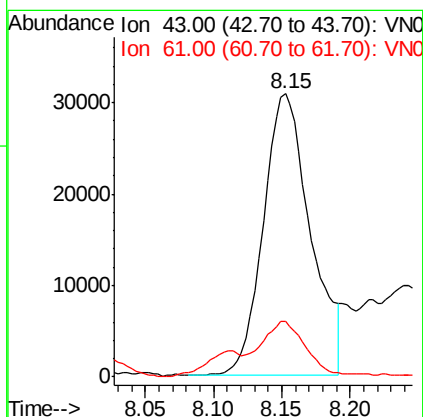
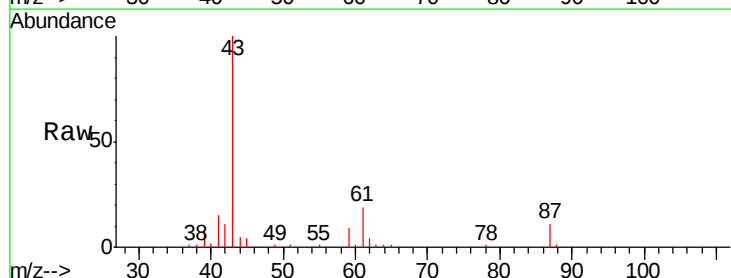
Acq: 24 Sep 2019 10:08

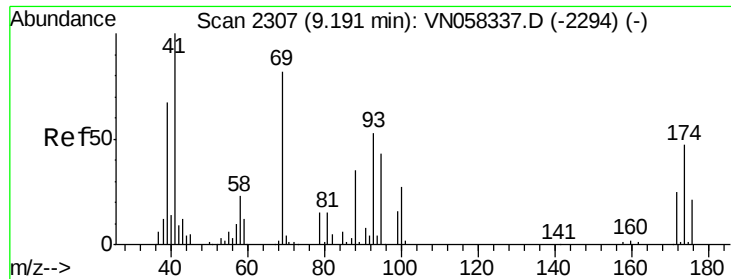
Tgt Ion: 43 Resp: 74103

Ion Ratio Lower Upper

43 100

61 16.2 14.4 21.6

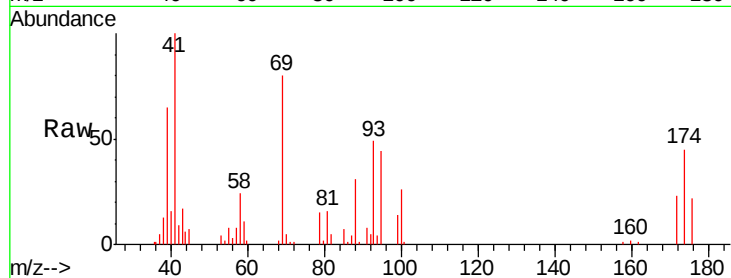




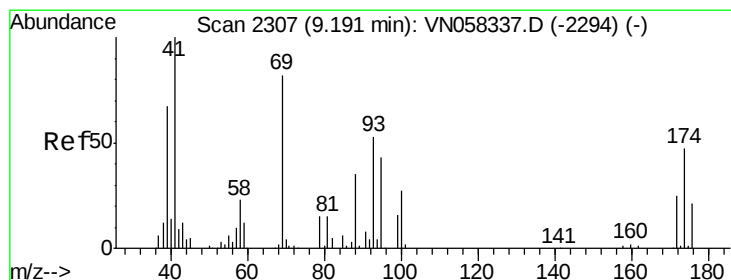
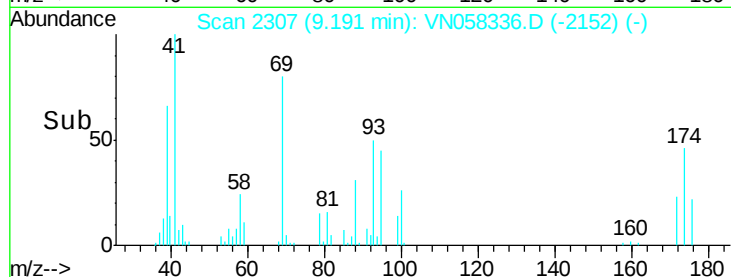
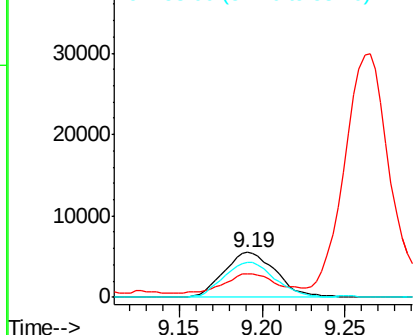
#45
 1,4-Dioxane
 Concen: 102.927 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 12171
 Ion Ratio Lower Upper
 88 100
 43 36.3 27.2 40.8
 58 75.3 55.4 83.0

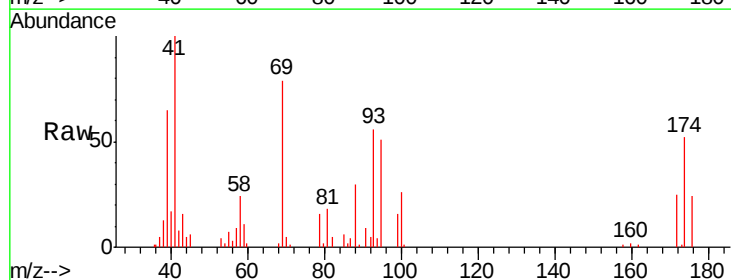


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

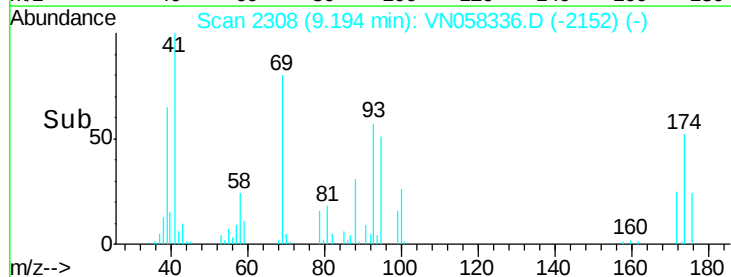
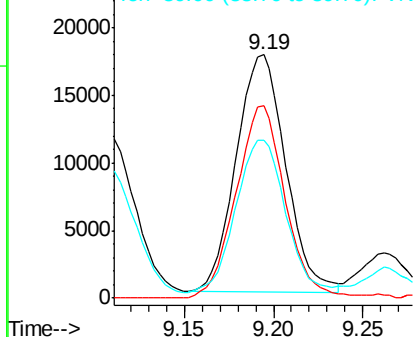


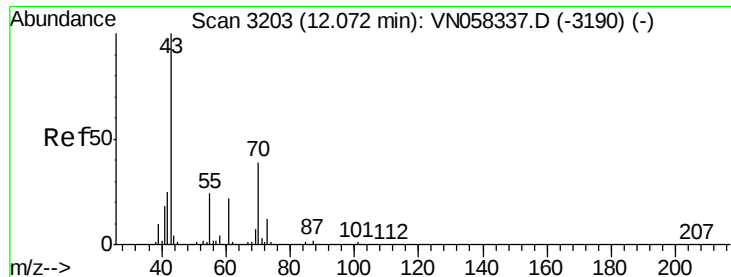
#46
 Methyl methacrylate
 Concen: 4.783 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 41 Resp: 34194
 Ion Ratio Lower Upper
 41 100
 69 81.4 40.9 122.7
 39 63.9 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-amy1 Acetate

Concen: 4.199 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

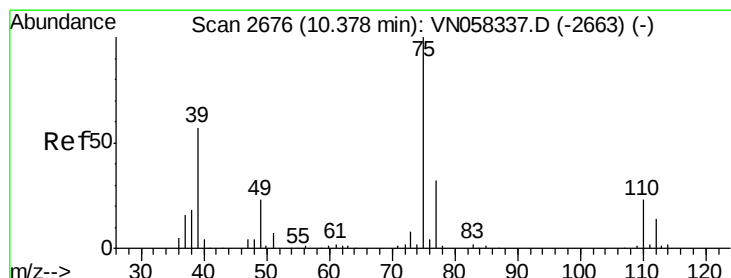
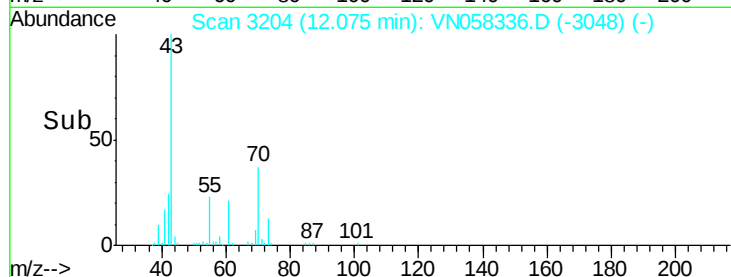
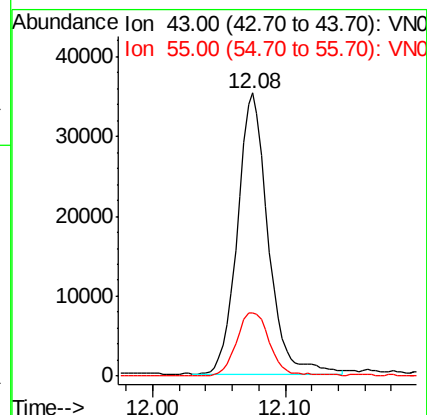
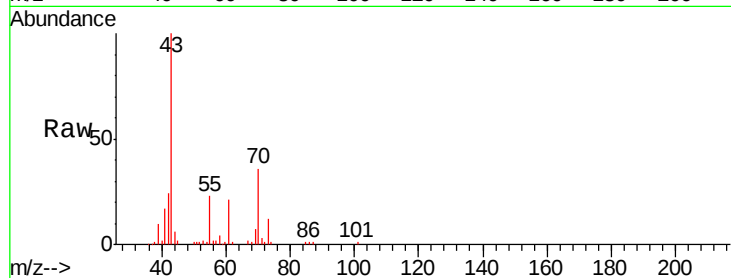
VSTDIC005

Tgt Ion: 43 Resp: 56264

Ion Ratio Lower Upper

43 100

55 24.3 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 4.430 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058336.D

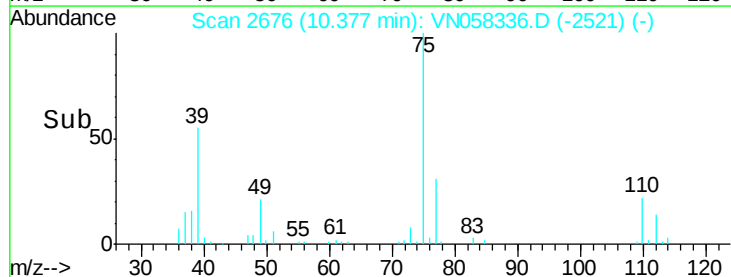
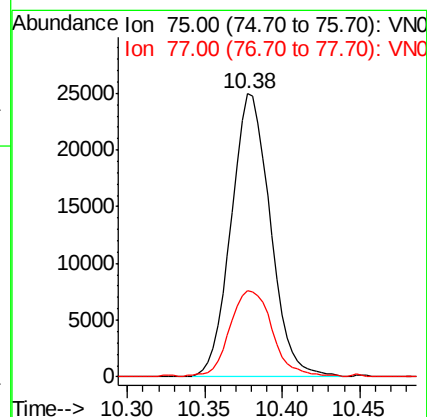
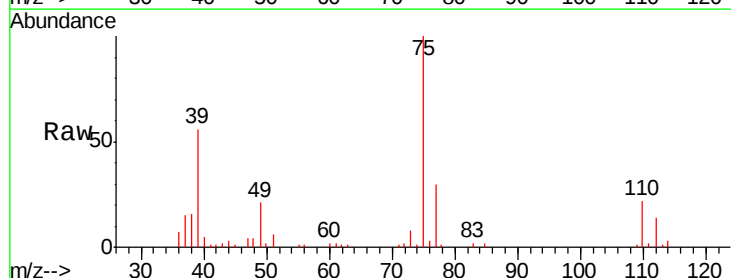
Acq: 24 Sep 2019 10:08

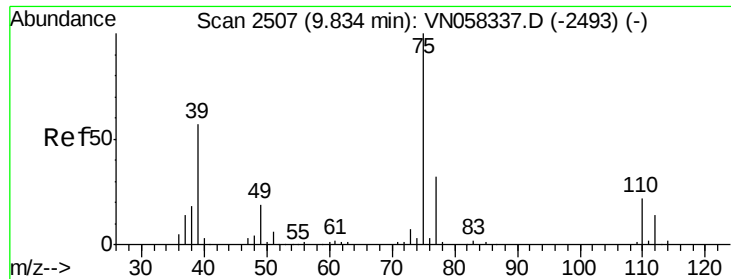
Tgt Ion: 75 Resp: 43985

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

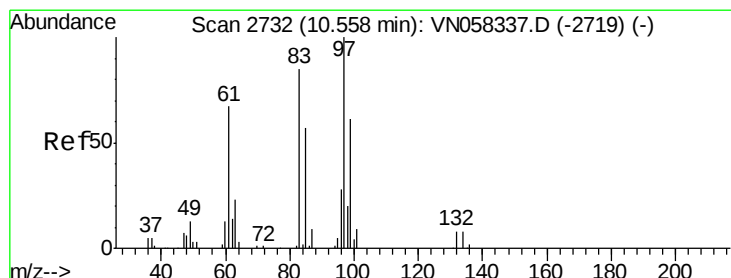
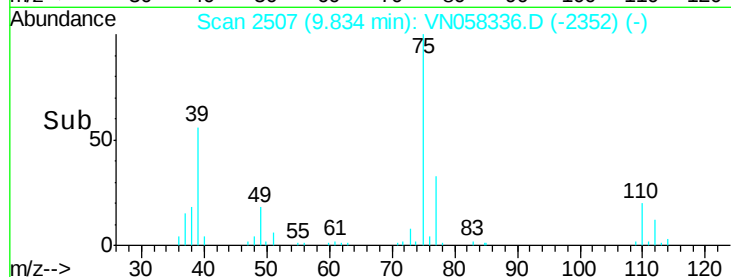
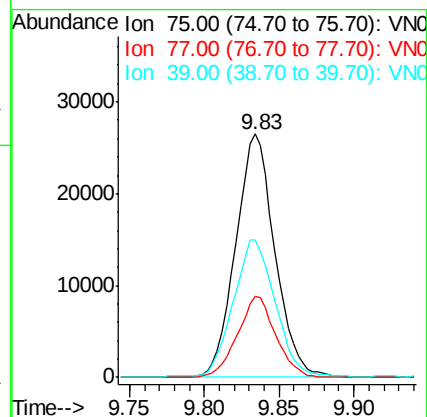
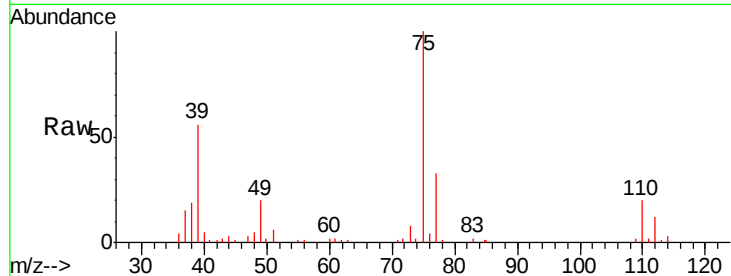




#49
 cis-1,3-Dichloropropene
 Concen: 4.332 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

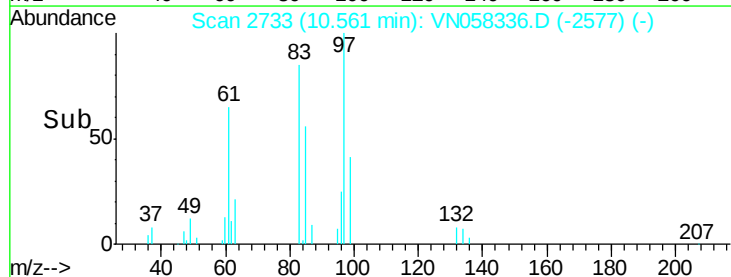
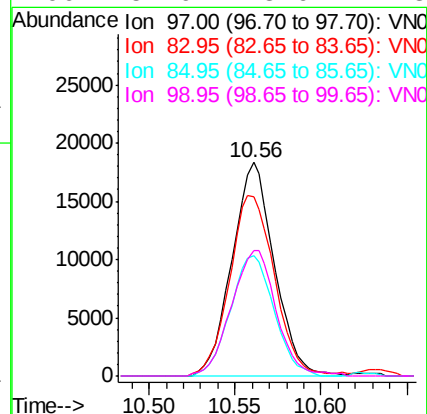
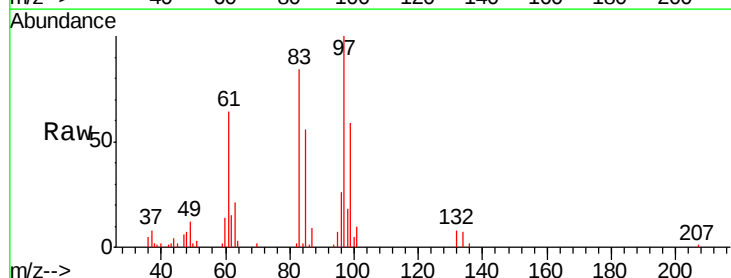
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

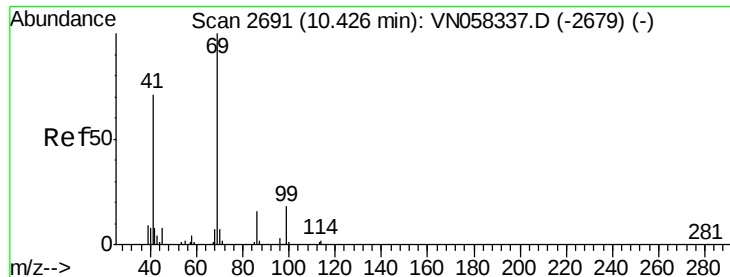
Tgt Ion: 75 Resp: 48354
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.2 37.8
 39 55.8 45.8 68.6



#50
 1,1,2-Trichloroethane
 Concen: 4.738 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 97 Resp: 31415
 Ion Ratio Lower Upper
 97 100
 83 82.4 67.8 101.6
 85 56.2 45.8 68.6
 99 57.9 48.6 72.8





#51

Ethyl methacrylate

Concen: 4.460 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

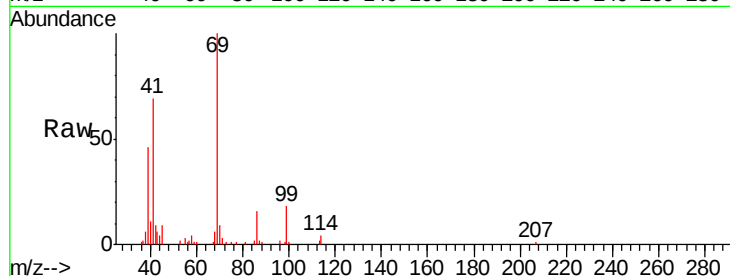
Tgt Ion: 69 Resp: 46110

Ion Ratio Lower Upper

69 100

41 68.3 35.4 106.1

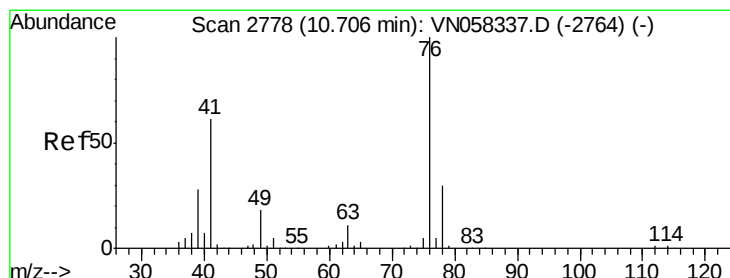
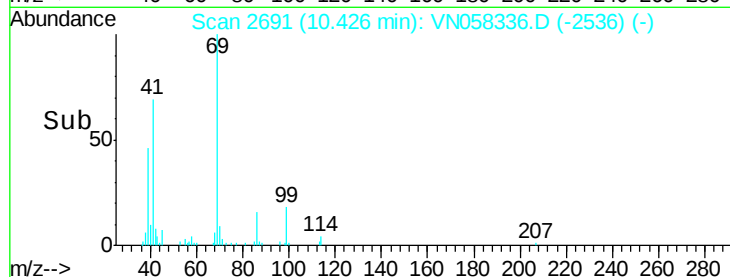
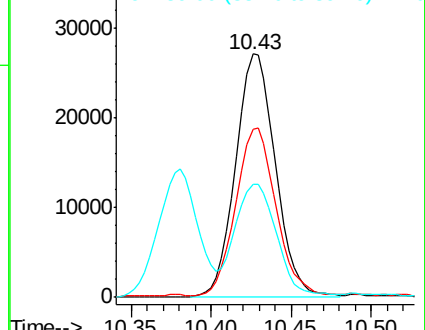
39 45.1 23.5 70.5



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: 4.927 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058336.D

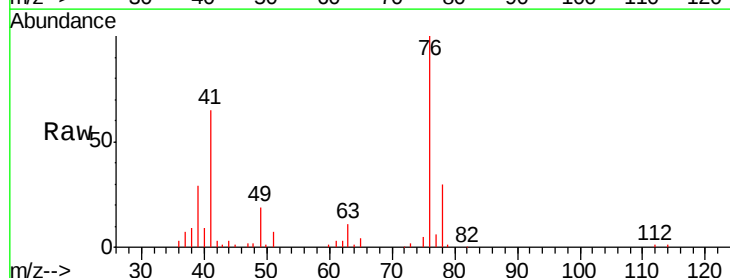
Acq: 24 Sep 2019 10:08

Tgt Ion: 76 Resp: 57428

Ion Ratio Lower Upper

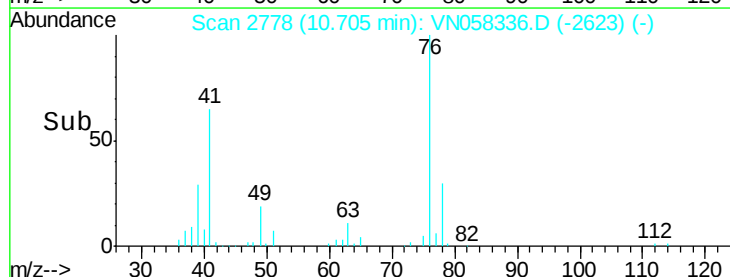
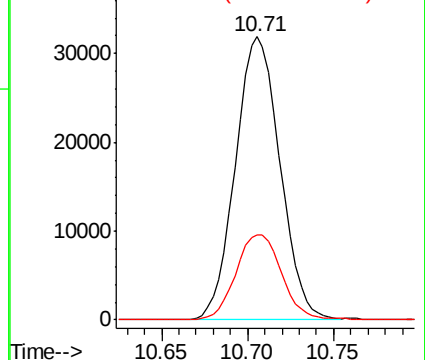
76 100

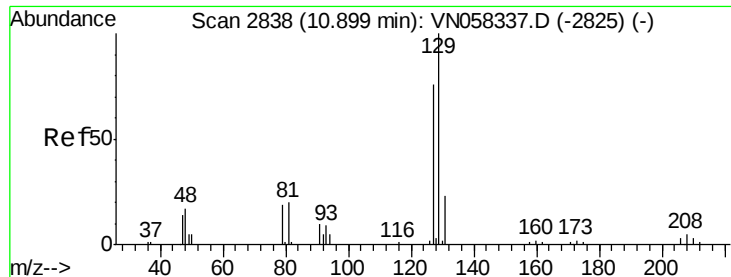
78 30.7 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 4.038 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

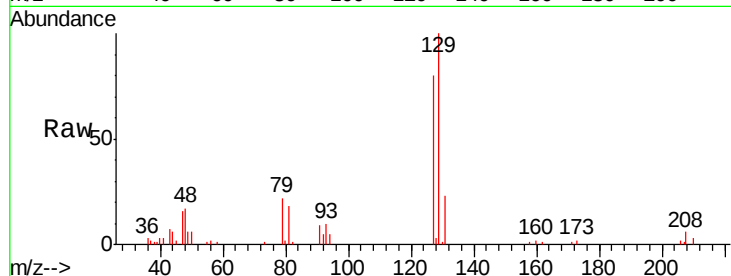
VSTDIC005

Tgt Ion:129 Resp: 26737

Ion Ratio Lower Upper

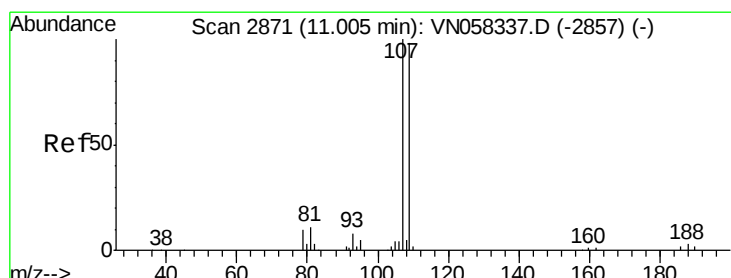
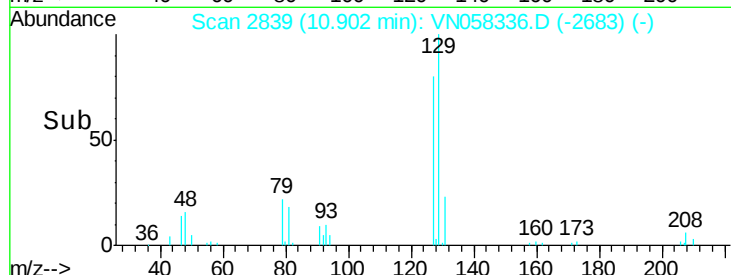
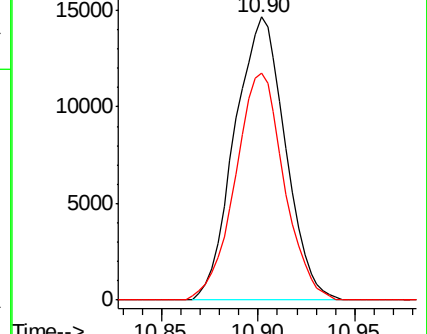
129 100

127 77.2 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.872 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058336.D

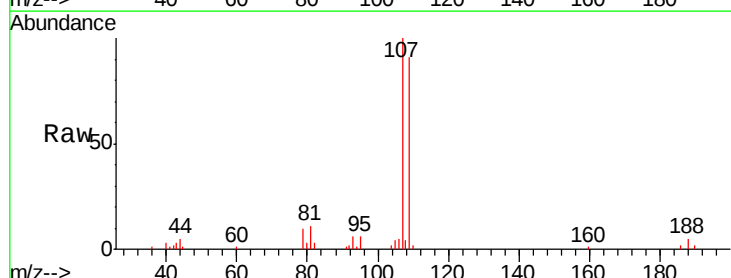
Acq: 24 Sep 2019 10:08

Tgt Ion:107 Resp: 32357

Ion Ratio Lower Upper

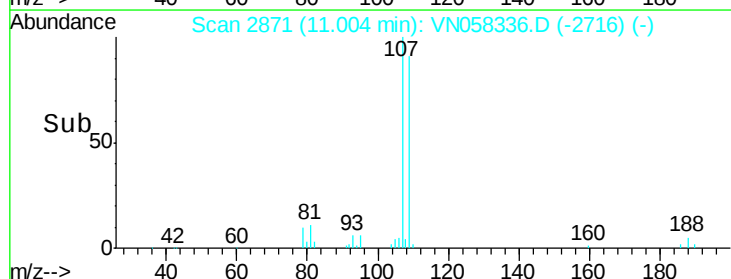
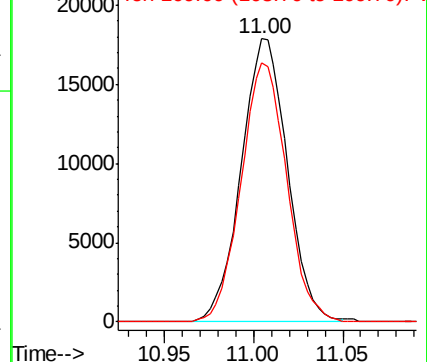
107 100

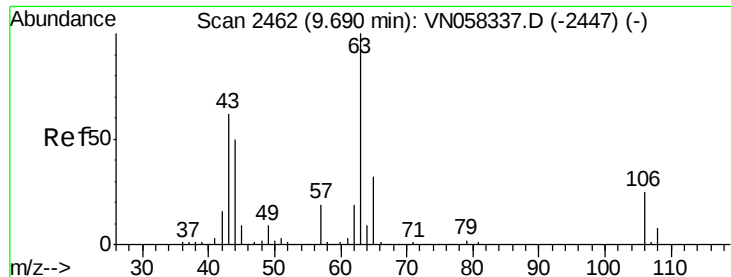
109 90.2 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

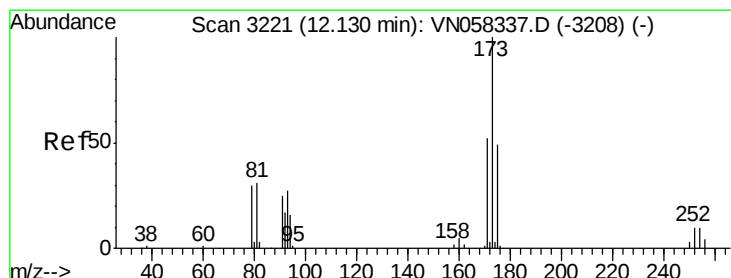
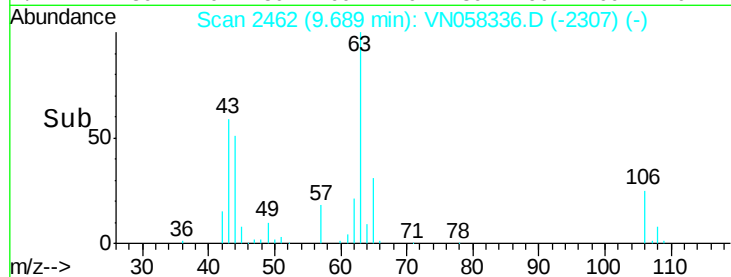
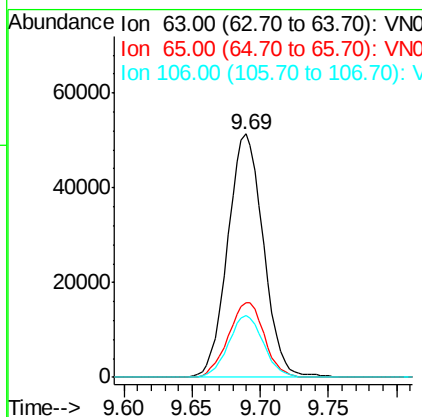
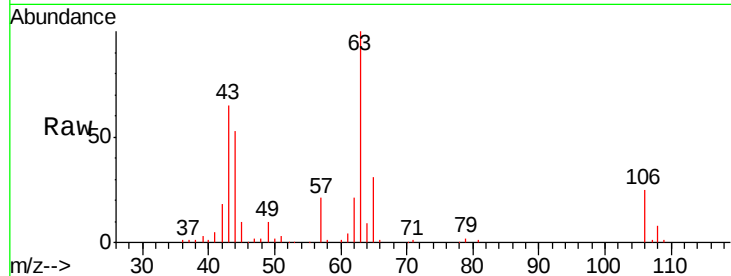




#55
 2-Chloroethyl vinyl ether
 Concen: 19.628 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

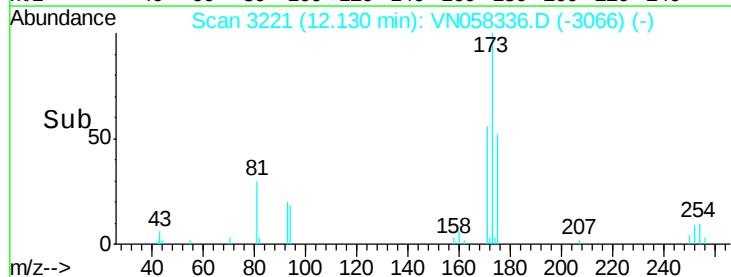
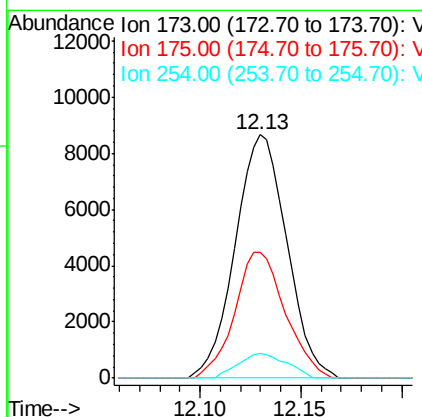
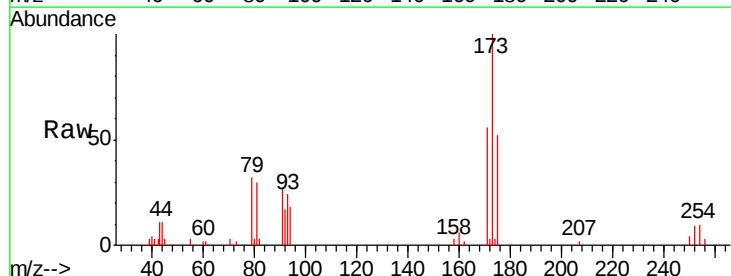
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

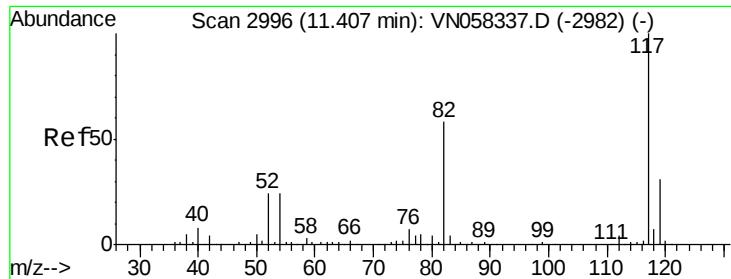
Tgt Ion: 63 Resp: 93248
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.4 38.2
 106 25.0 20.4 30.6



#56
 Bromoform
 Concen: 3.779 ug/l
 RT: 12.13 min Scan# 3221
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 173 Resp: 15493
 Ion Ratio Lower Upper
 173 100
 175 50.5 38.8 58.2
 254 9.6 7.8 11.8

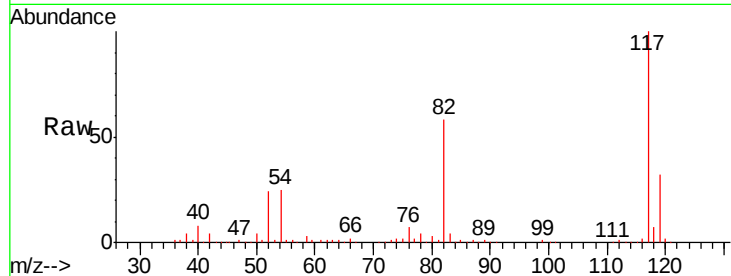




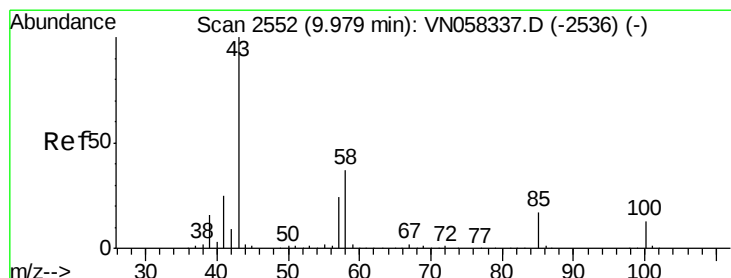
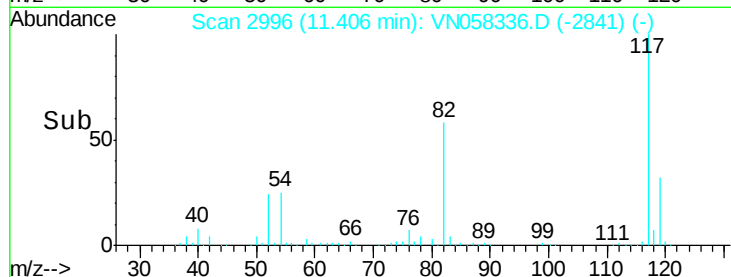
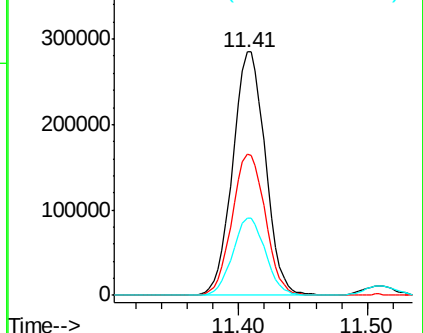
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 117 Resp: 502625
Ion Ratio Lower Upper
117 100
82 59.2 46.4 69.6
119 31.8 25.1 37.7

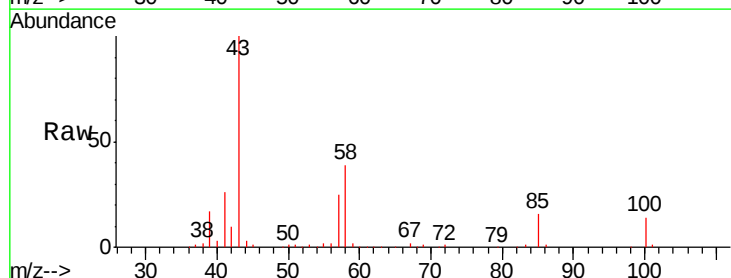


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

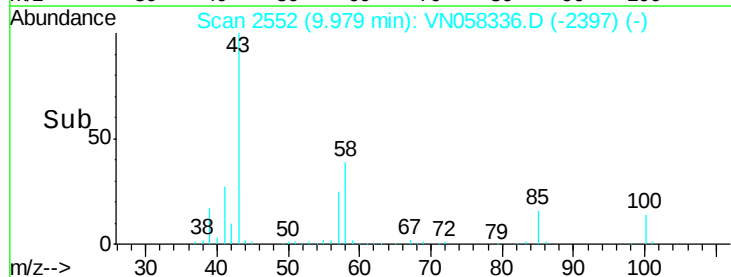
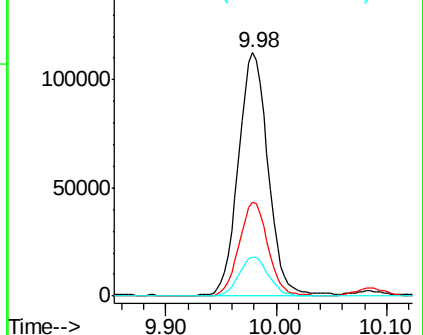


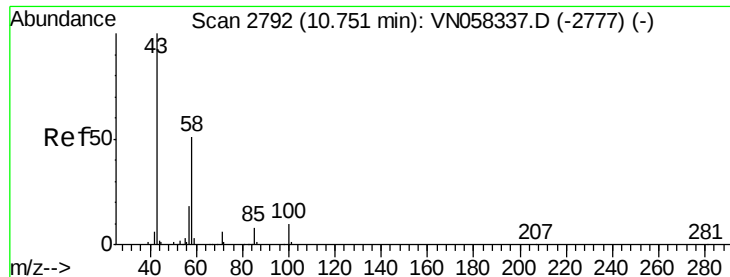
#58
4-Methyl-2-Pentanone
Concen: 26.577 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 43 Resp: 208909
Ion Ratio Lower Upper
43 100
58 37.9 29.3 43.9
85 15.9 13.1 19.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

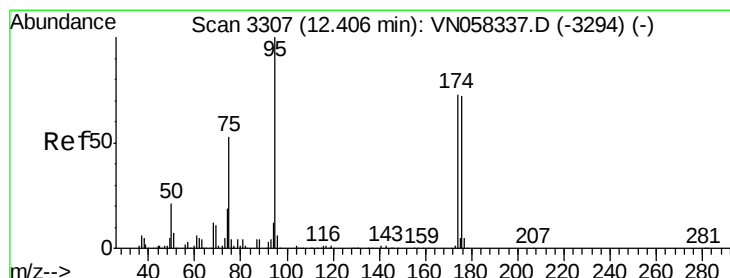
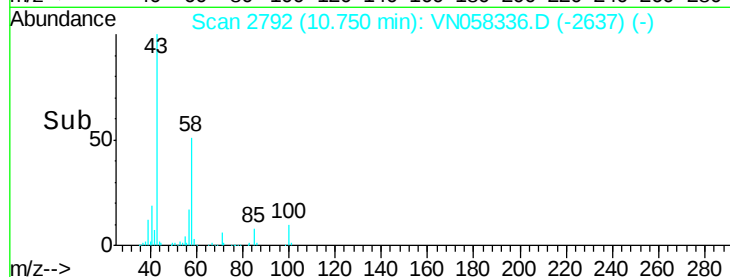
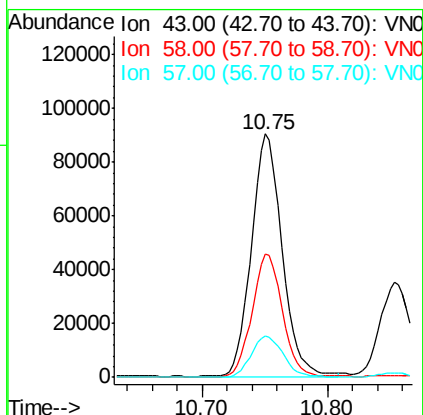
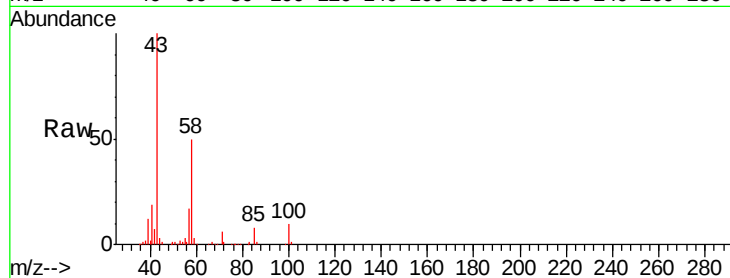




#59
2-Hexanone
Concen: 26.028 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

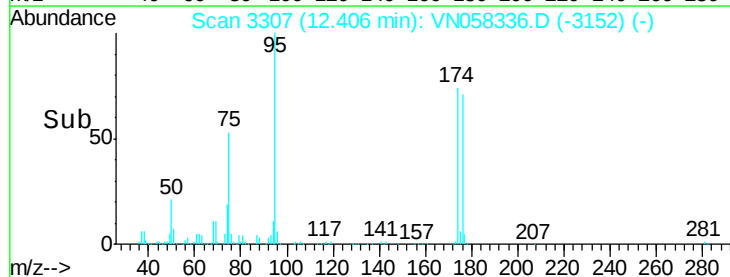
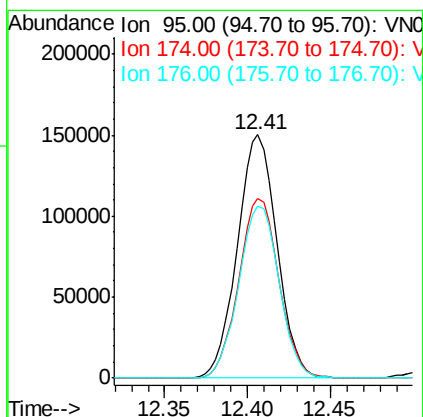
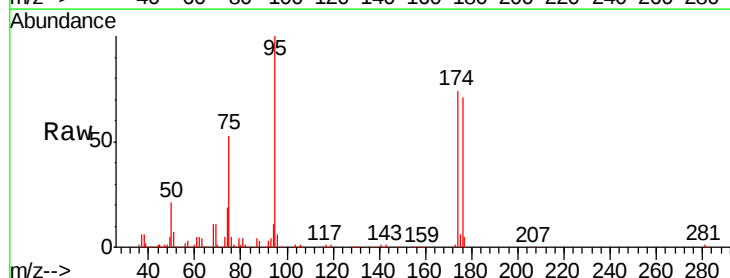
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

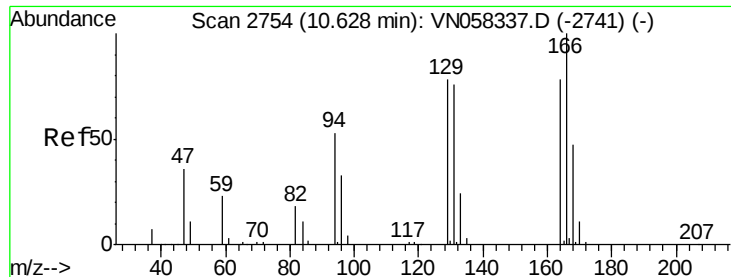
Tgt Ion: 43 Resp: 153664
Ion Ratio Lower Upper
43 100
58 50.3 40.7 61.1
57 17.7 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.962 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 95 Resp: 250243
Ion Ratio Lower Upper
95 100
174 75.0 59.0 88.6
176 72.0 58.2 87.2





#61

Tetrachloroethene

Concen: 5.342 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 27586

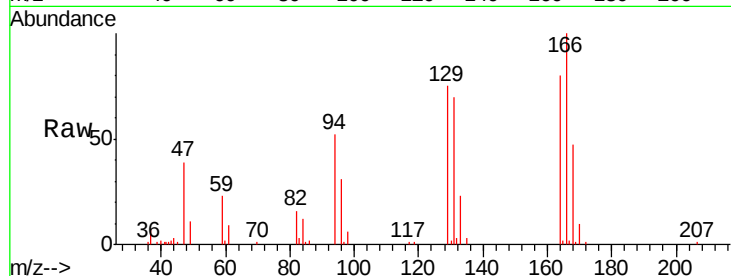
Ion Ratio Lower Upper

164 100

166 124.7 102.6 154.0

129 93.0 79.8 119.6

131 87.4 78.1 117.1

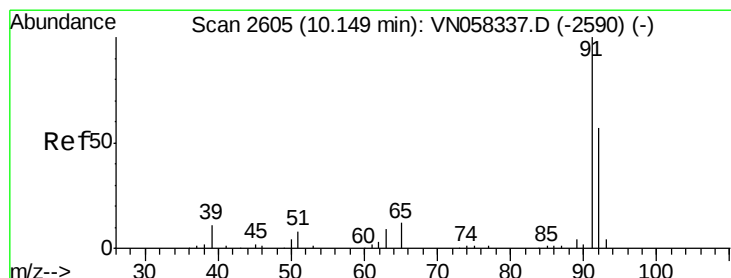
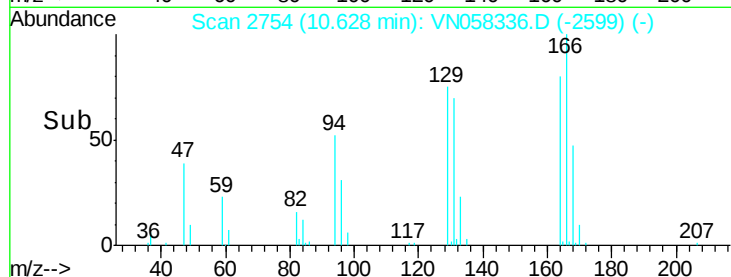
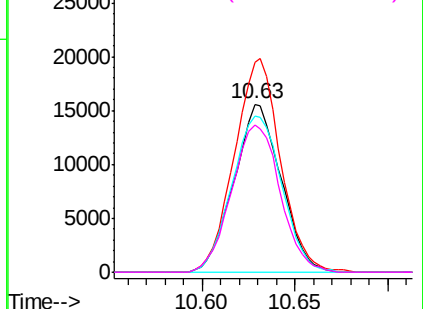


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.154 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058336.D

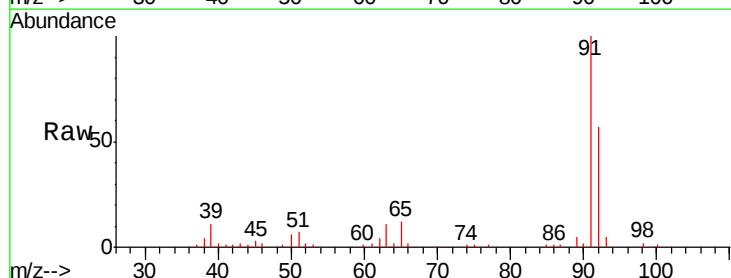
Acq: 24 Sep 2019 10:08

Tgt Ion: 91 Resp: 143950

Ion Ratio Lower Upper

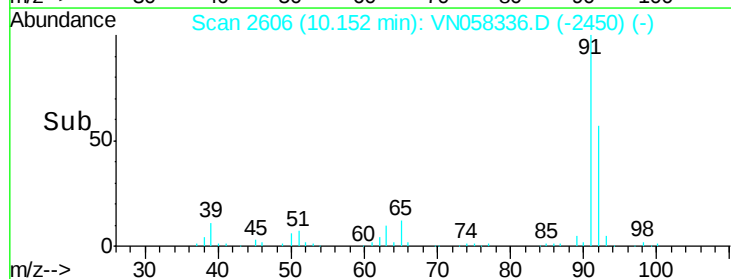
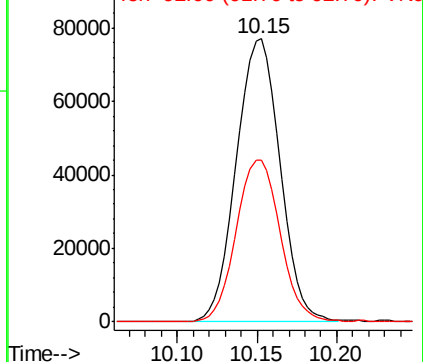
91 100

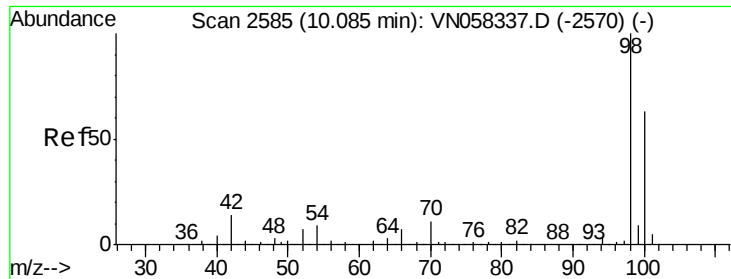
92 57.6 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

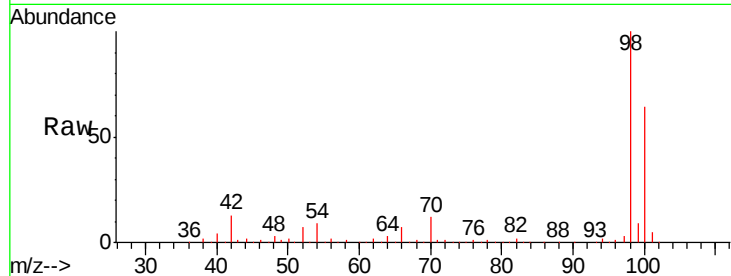




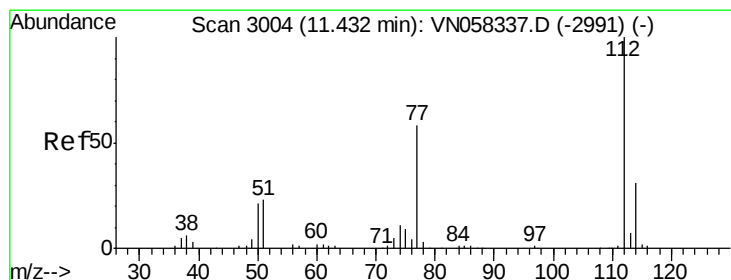
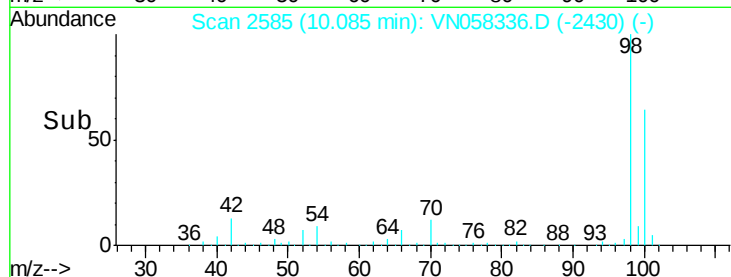
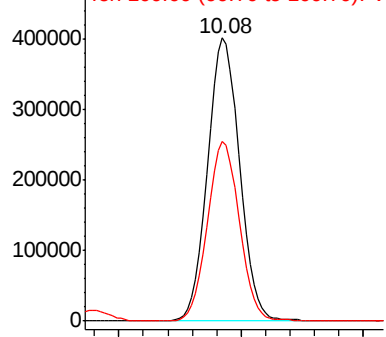
#63
Toluene-d8
Concen: 30.357 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 729002
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2

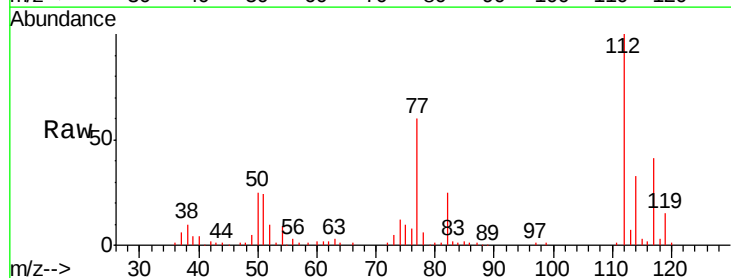


Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)
Ion 100.00 (99.70 to 100.70): VN058337.D (-2570) (-)

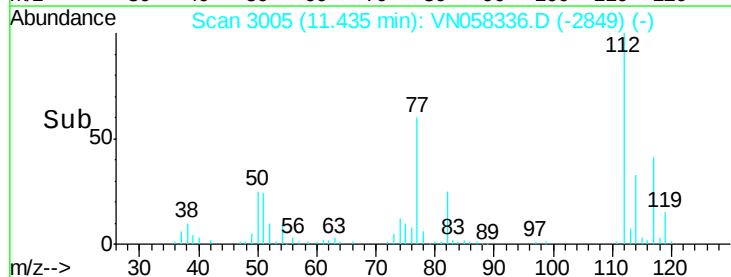
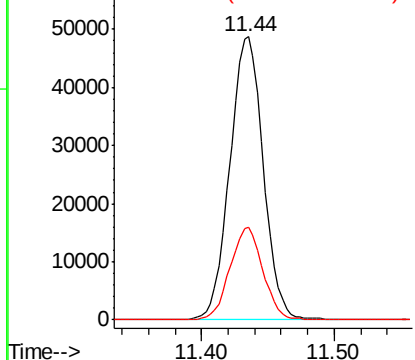


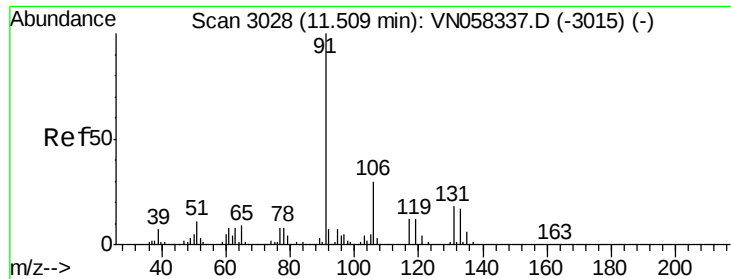
#64
Chlorobenzene
Concen: 4.925 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 112 Resp: 85275
Ion Ratio Lower Upper
112 100
114 32.9 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) (-)

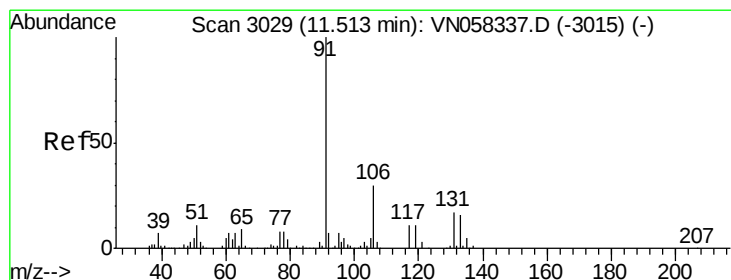
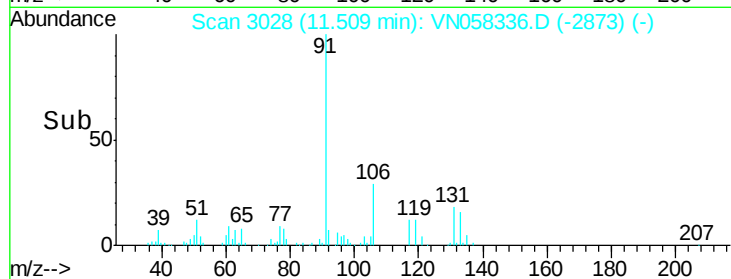
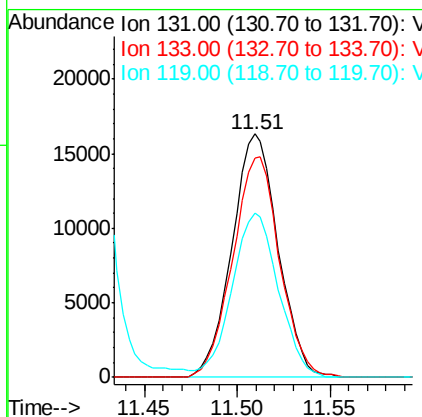
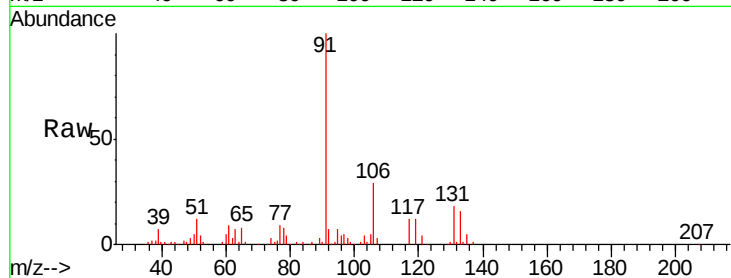




#65
 1,1,1,2-Tetrachloroethane
 Concen: 4.674 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

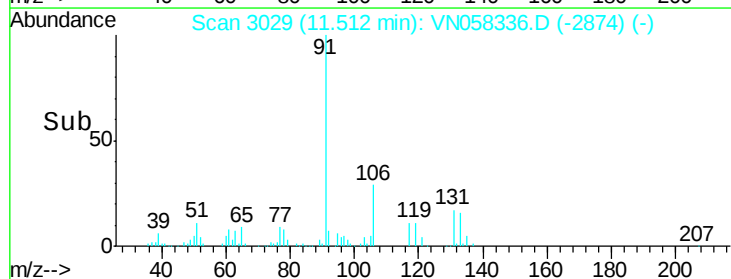
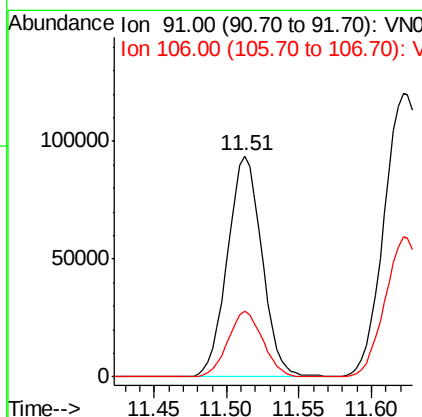
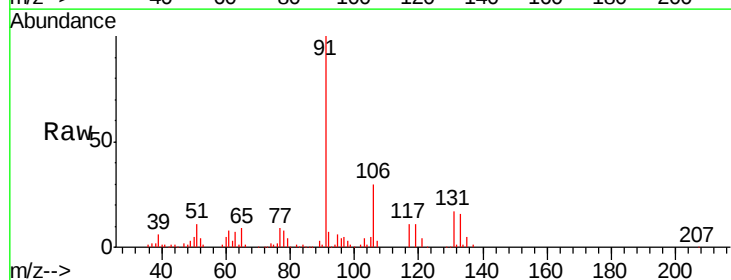
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

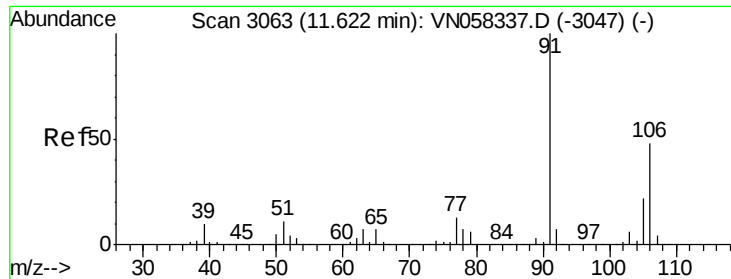
Tgt Ion: 131 Resp: 28180
 Ion Ratio Lower Upper
 131 100
 133 92.4 0.0 191.8
 119 67.9 0.0 134.2



#66
 Ethyl Benzene
 Concen: 5.072 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 91 Resp: 155051
 Ion Ratio Lower Upper
 91 100
 106 29.6 24.2 36.4





#67

m/p-Xylenes

Concen: 9.752 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

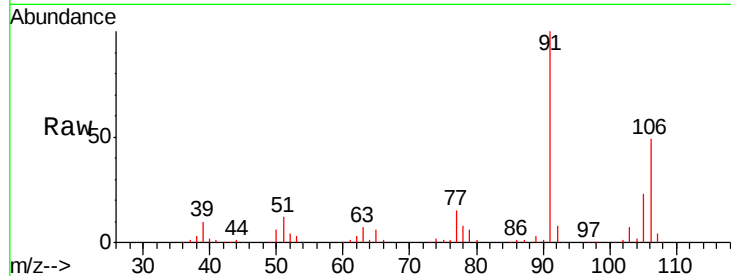
VSTDIC005

Tgt Ion:106 Resp: 113869

Ion Ratio Lower Upper

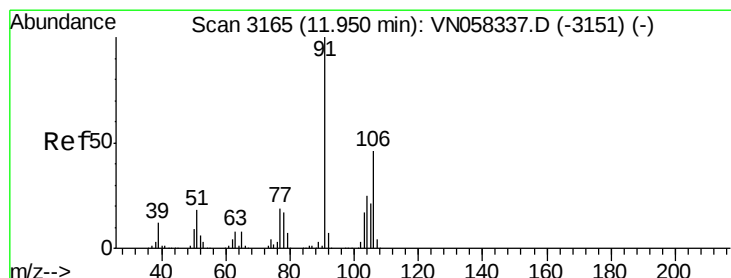
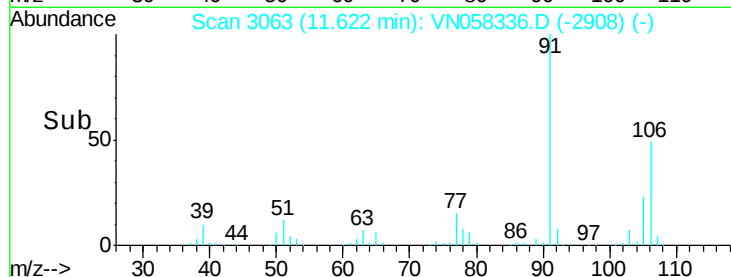
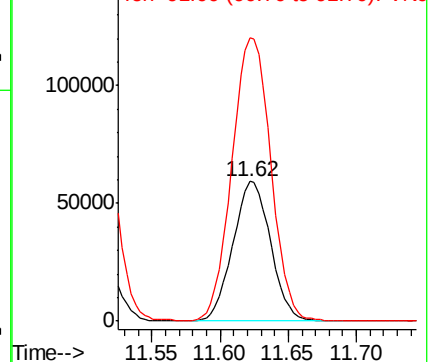
106 100

91 209.1 167.8 251.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.752 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058336.D

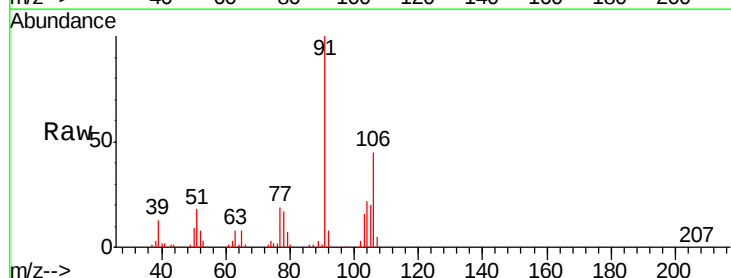
Acq: 24 Sep 2019 10:08

Tgt Ion:106 Resp: 54449

Ion Ratio Lower Upper

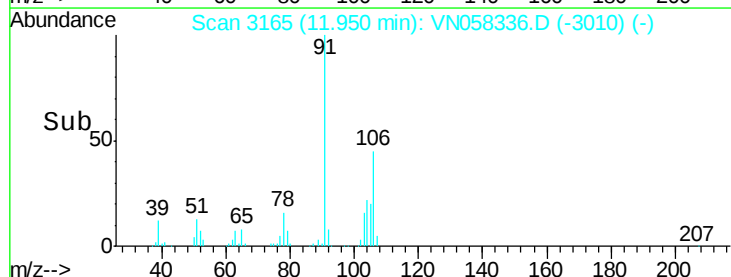
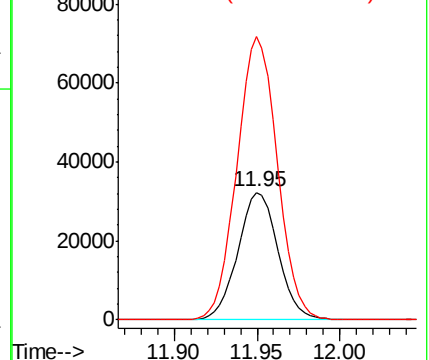
106 100

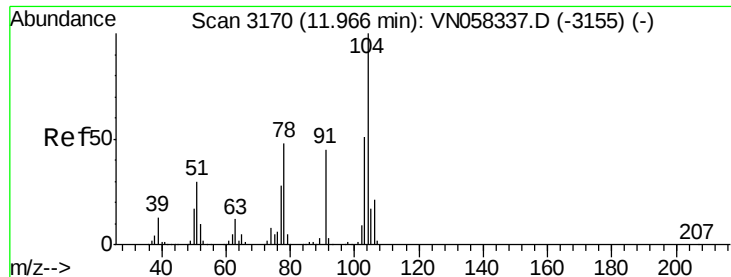
91 223.8 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

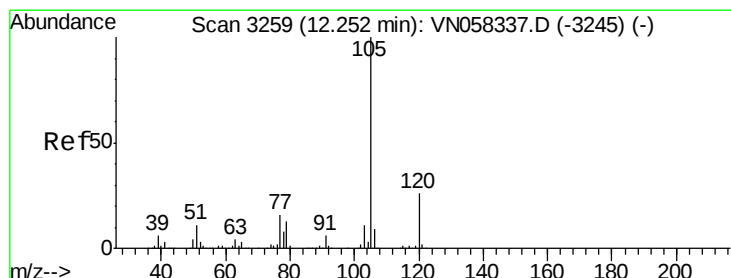
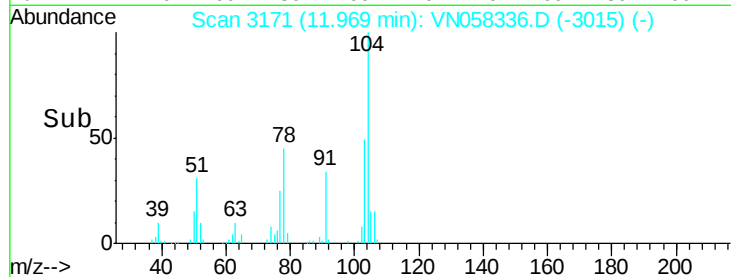
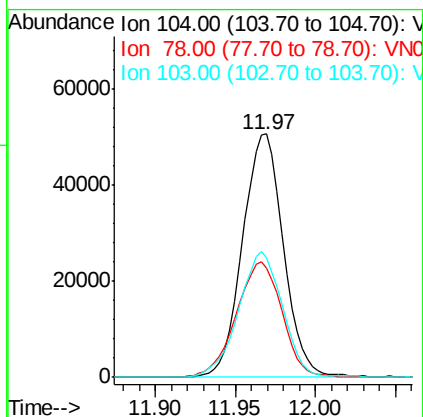
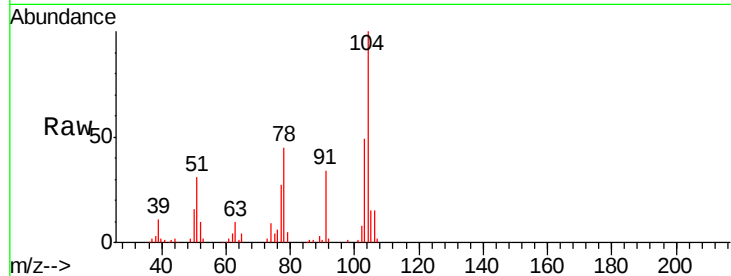




#69
Styrene
Concen: 4.566 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

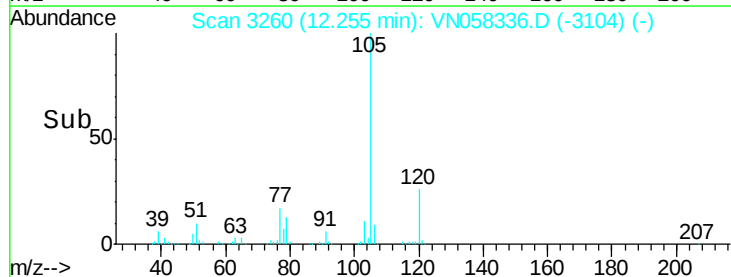
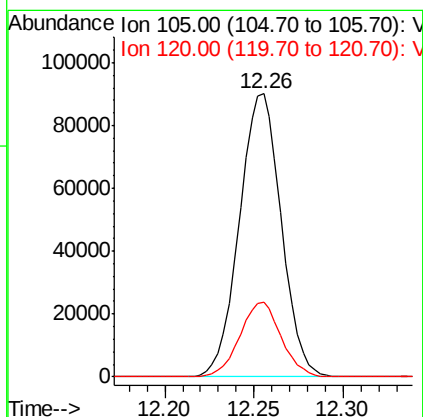
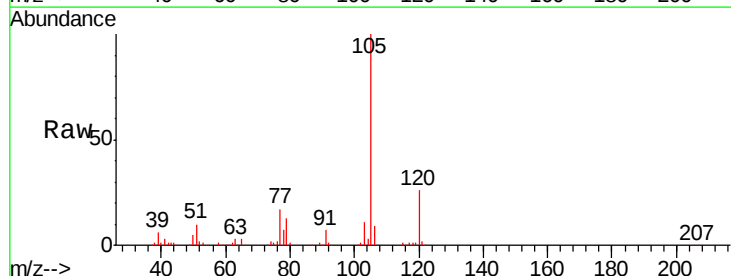
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

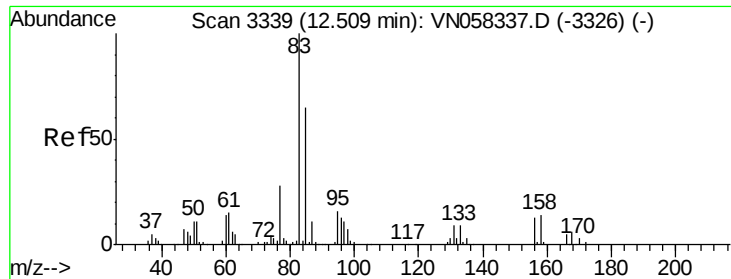
Tgt Ion:104 Resp: 88669
Ion Ratio Lower Upper
104 100
78 53.1 42.3 63.5
103 55.7 44.1 66.1



#70
Isopropylbenzene
Concen: 4.914 ug/l
RT: 12.26 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion:105 Resp: 147837
Ion Ratio Lower Upper
105 100
120 26.0 18.2 33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 4.806 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

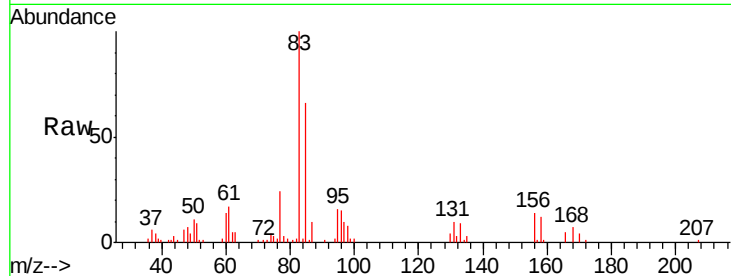
MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 45180

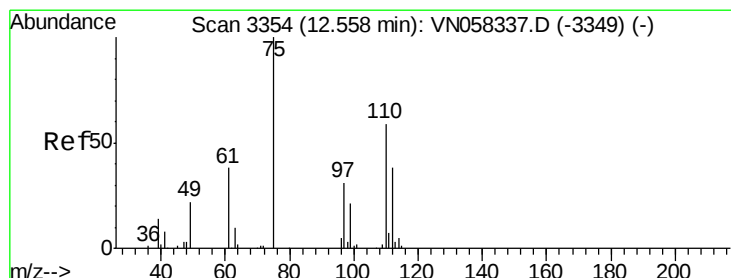
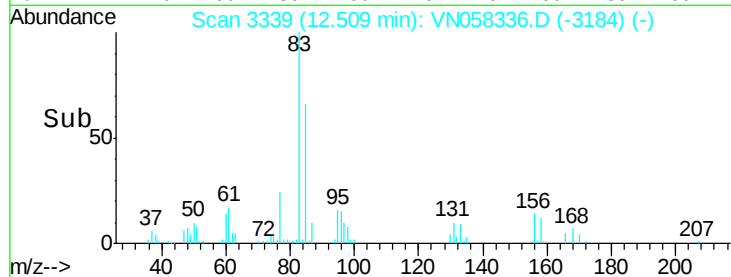
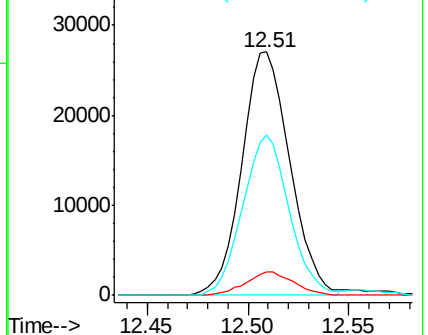
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	63.6	32.6	97.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 6.671 ug/l

RT: 12.56 min Scan# 3355

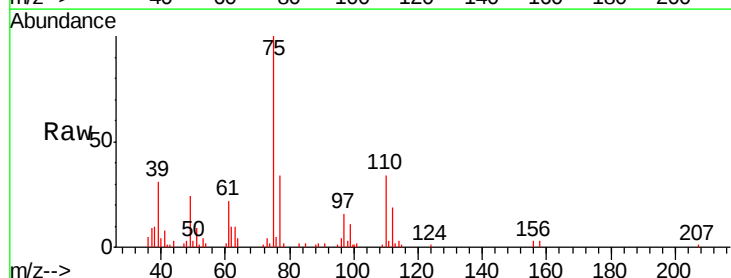
Delta R.T. 0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

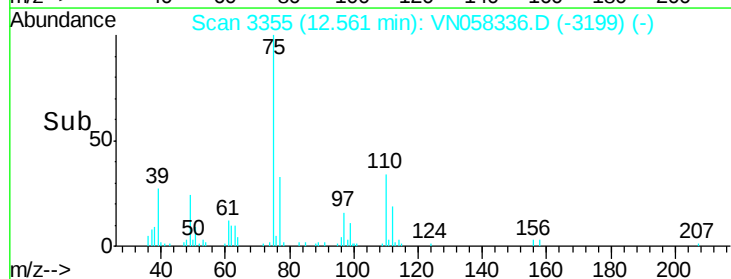
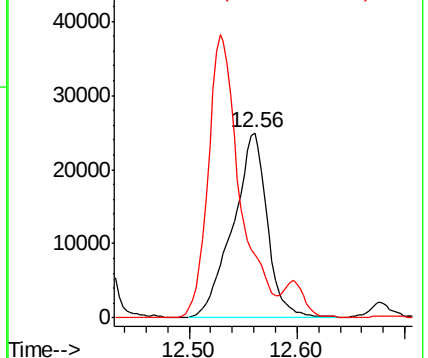
Tgt Ion: 75 Resp: 55648

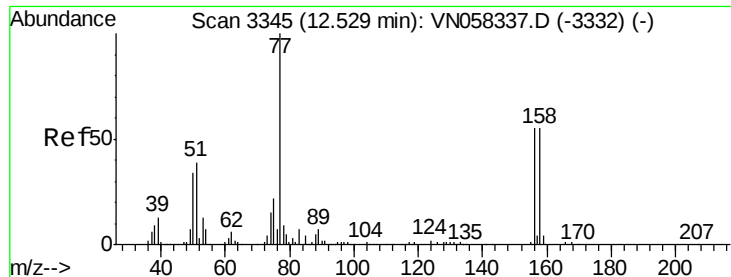
Ion	Ratio	Lower	Upper
75	100		
77	139.1	0.0	382.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.781 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

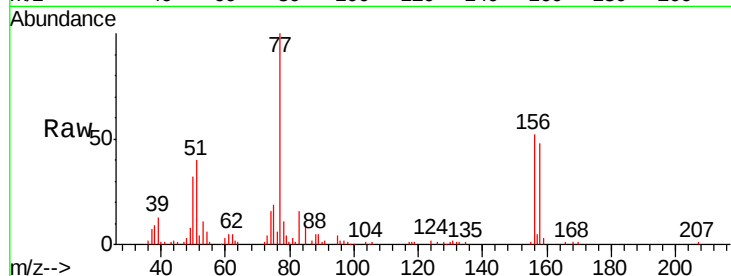
Tgt Ion:156 Resp: 34701

Ion Ratio Lower Upper

156 100

77 223.0 0.0 438.8

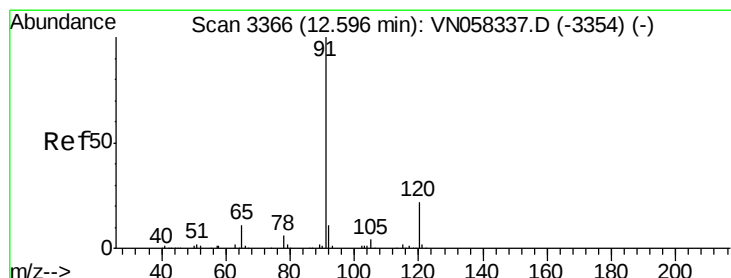
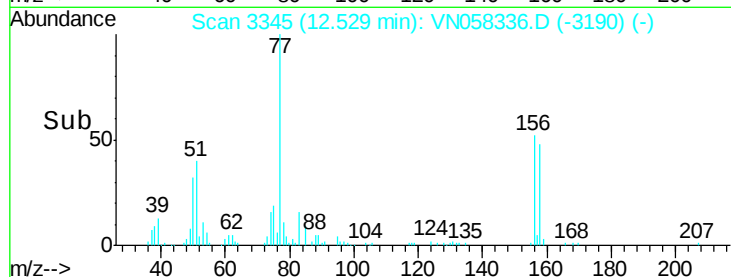
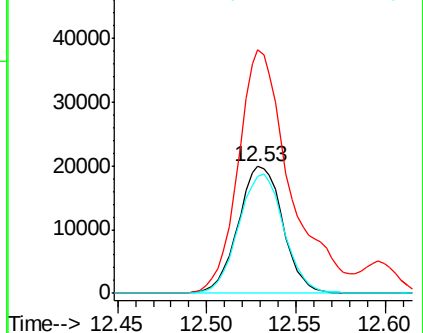
158 95.2 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.945 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058336.D

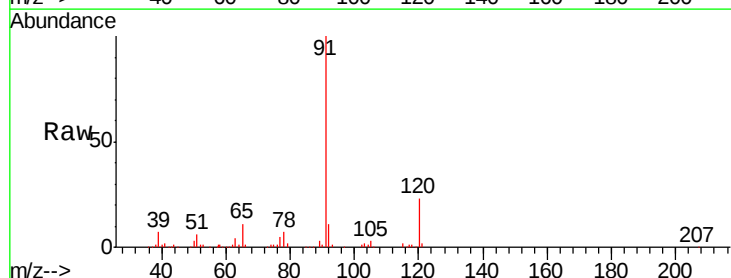
Acq: 24 Sep 2019 10:08

Tgt Ion: 91 Resp: 170367

Ion Ratio Lower Upper

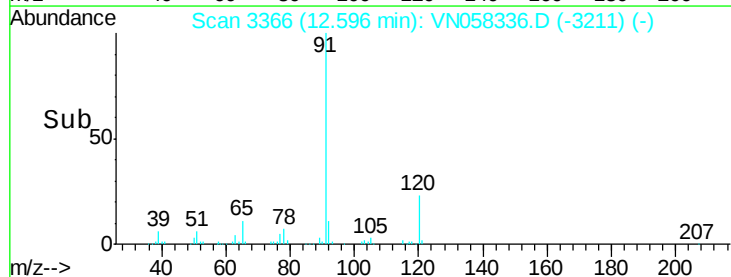
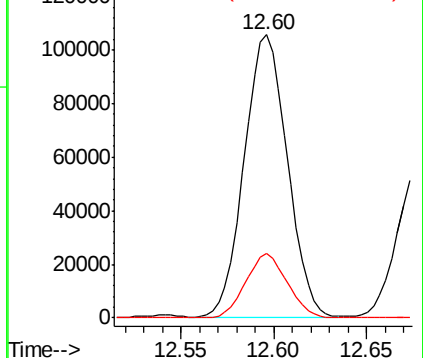
91 100

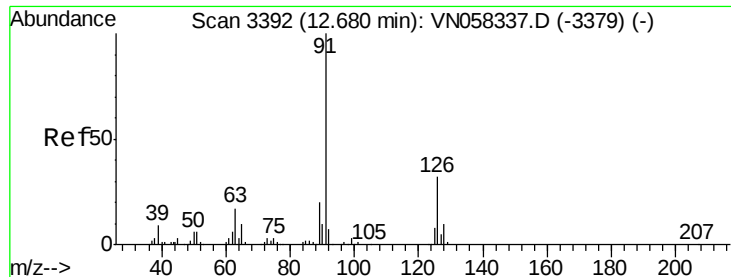
120 21.9 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.636 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

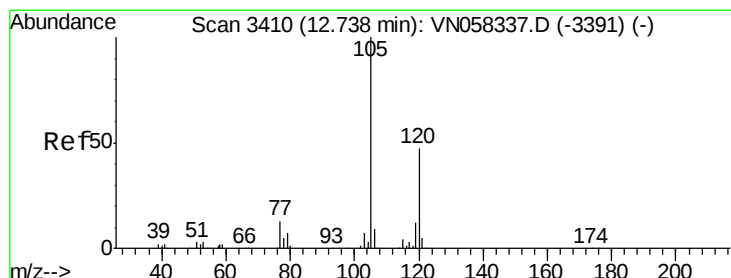
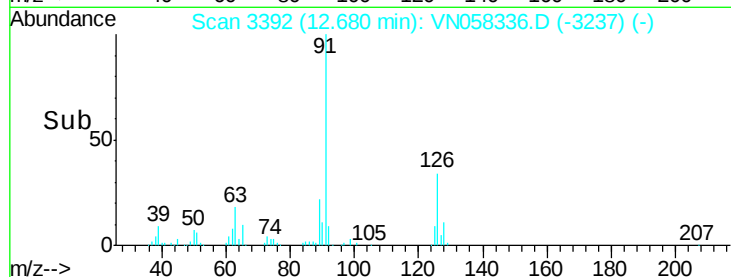
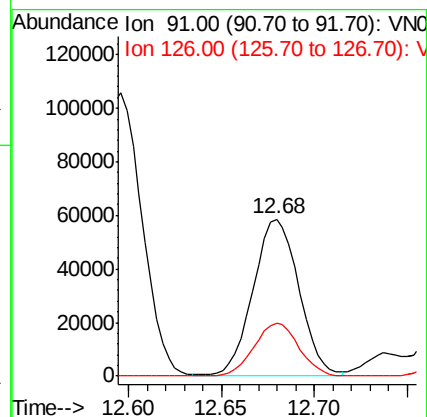
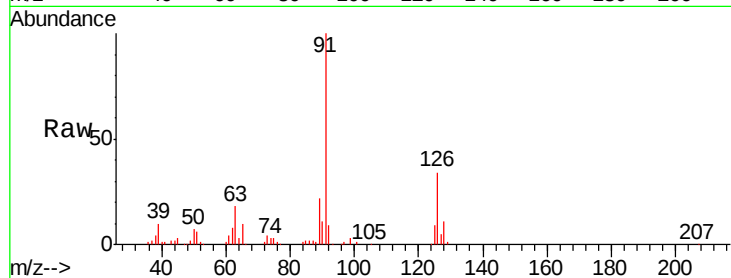
VSTDIC005

Tgt Ion: 91 Resp: 99672

Ion Ratio Lower Upper

91 100

126 33.3 0.0 65.0



#76

1,3,5-Trimethylbenzene

Concen: 4.779 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058336.D

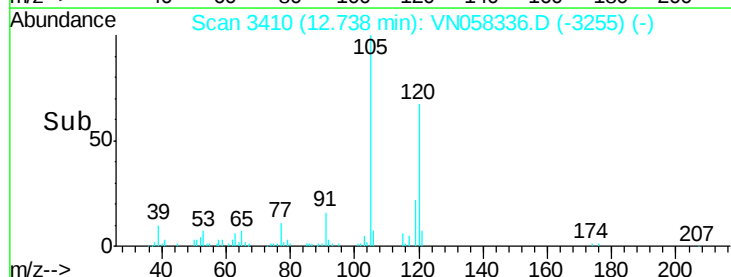
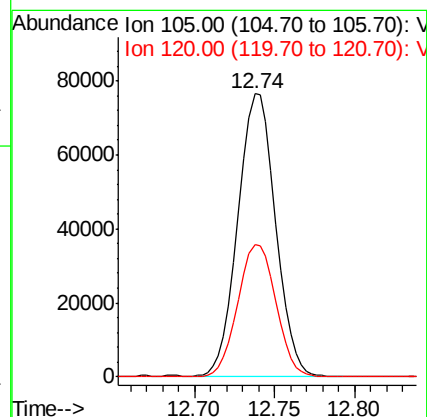
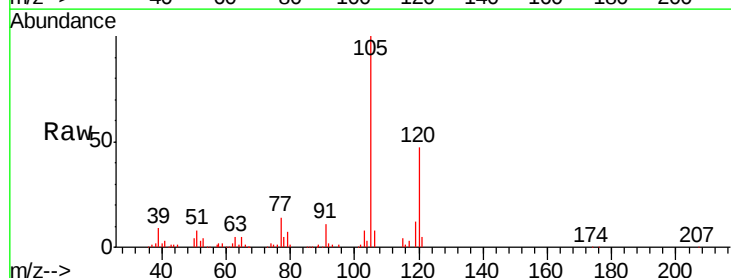
Acq: 24 Sep 2019 10:08

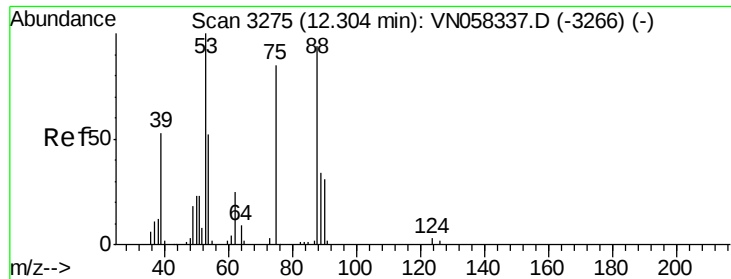
Tgt Ion: 105 Resp: 122867

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.4

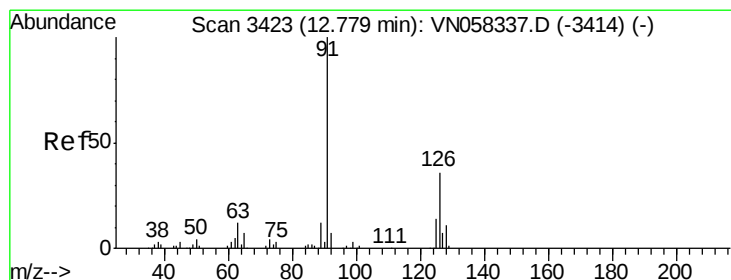
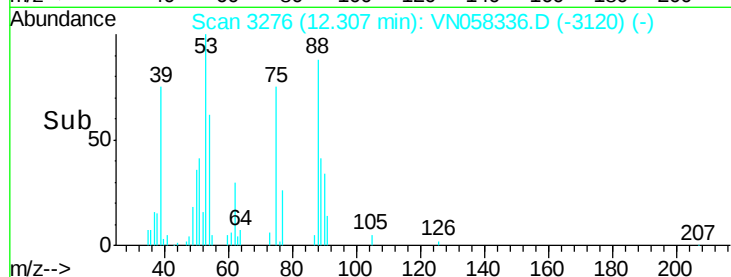
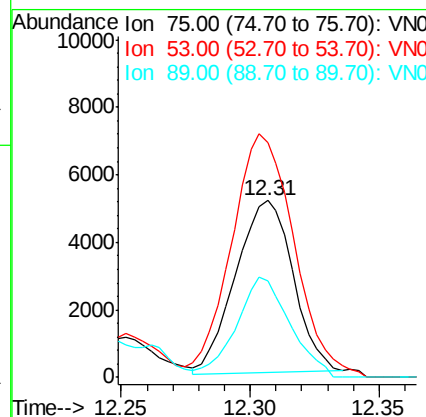
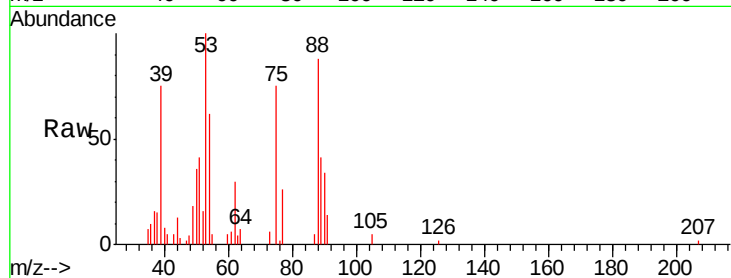




#77
t-1,4-Dichloro-2-butene
Concen: 3.116 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

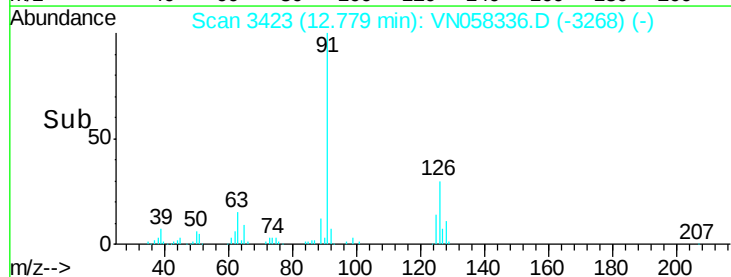
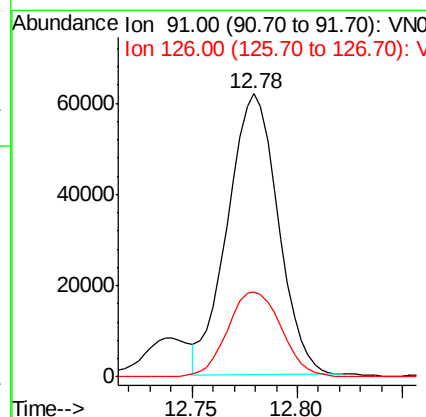
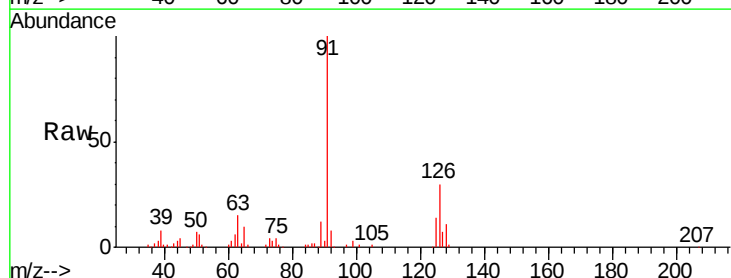
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

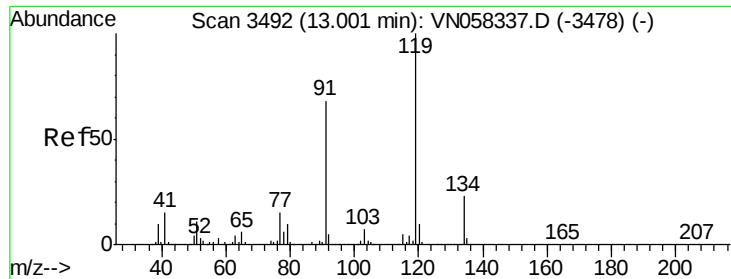
Tgt Ion: 75 Resp: 7881
Ion Ratio Lower Upper
75 100
53 131.5 59.0 176.8
89 56.6 21.6 65.0



#78
4-Chlorotoluene
Concen: 4.635 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion: 91 Resp: 102105
Ion Ratio Lower Upper
91 100
126 32.5 0.0 63.8

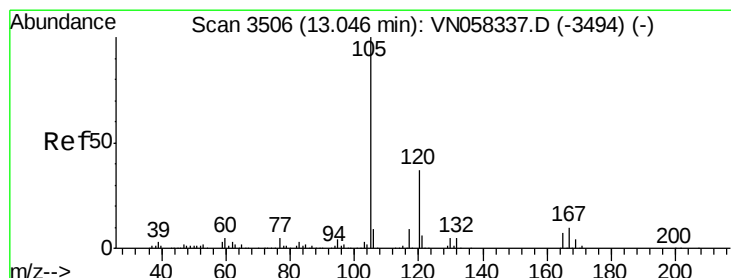
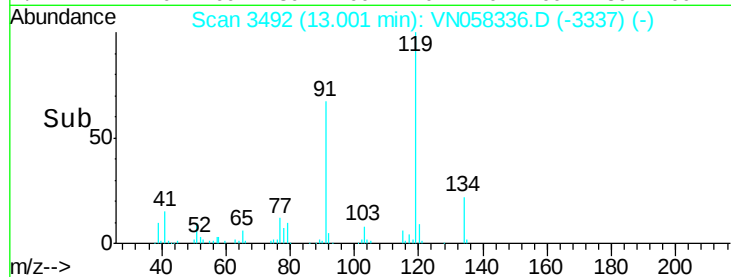
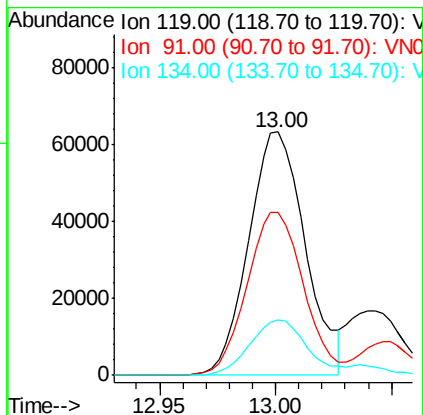
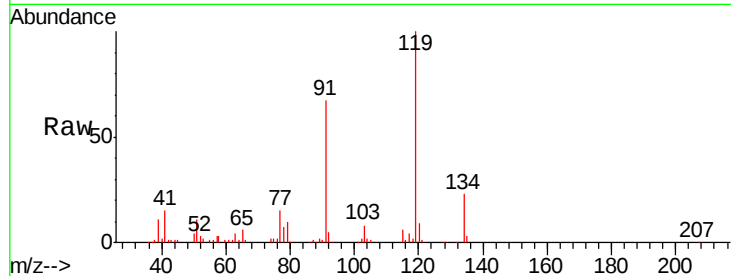




#79
tert-butylbenzene
Concen: 4.844 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

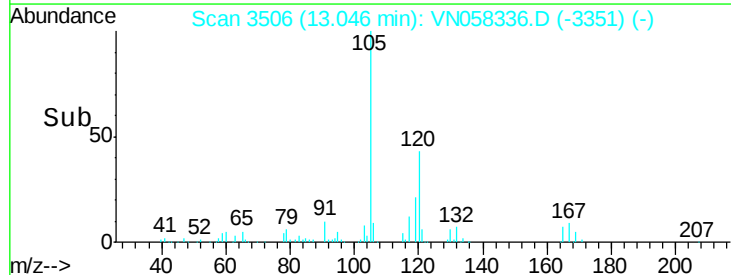
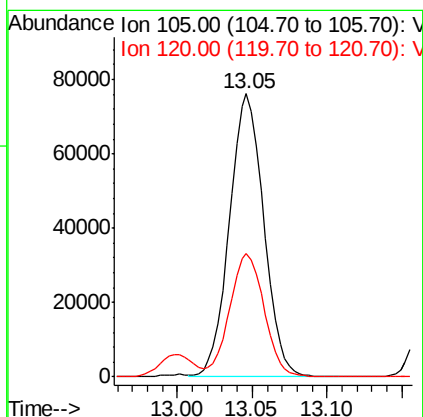
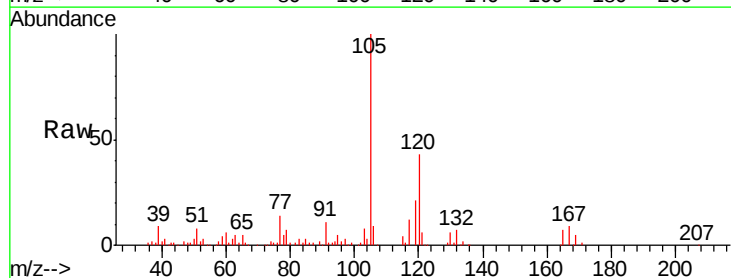
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

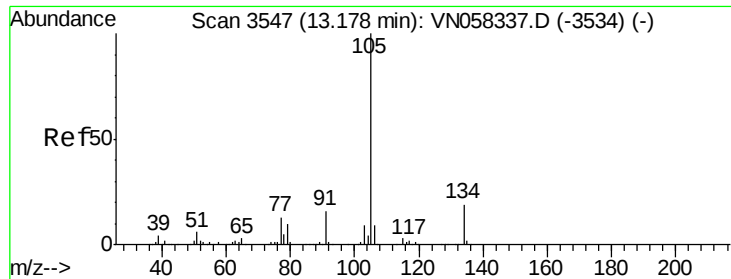
Tgt Ion:119 Resp: 107916
Ion Ratio Lower Upper
119 100
91 67.0 0.0 138.2
134 23.0 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 4.724 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion:105 Resp: 121303
Ion Ratio Lower Upper
105 100
120 43.4 0.0 86.6

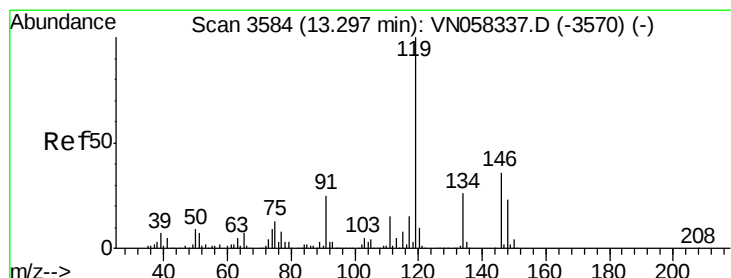
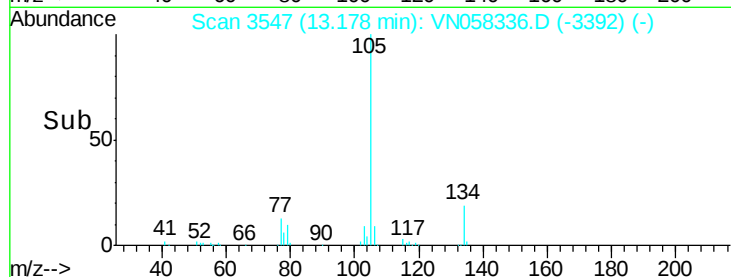
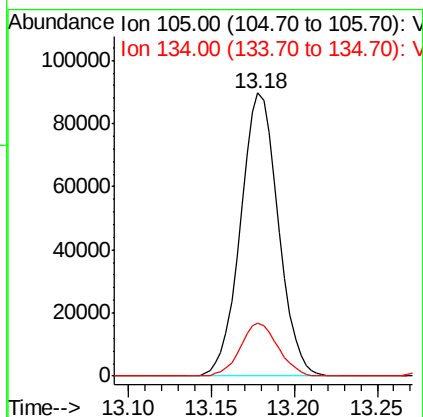
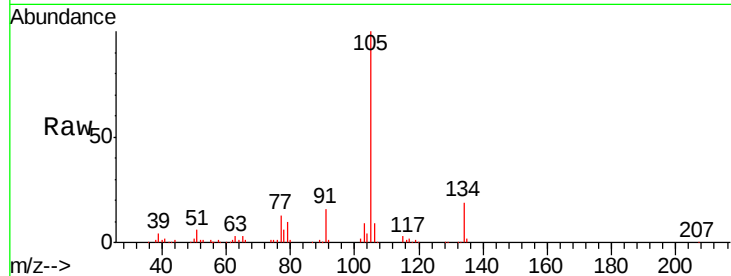




#81
 sec-Butylbenzene
 Concen: 4.739 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

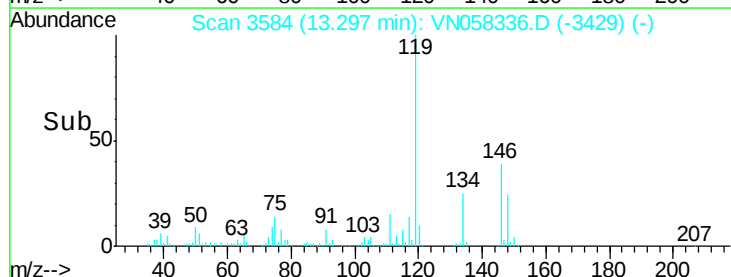
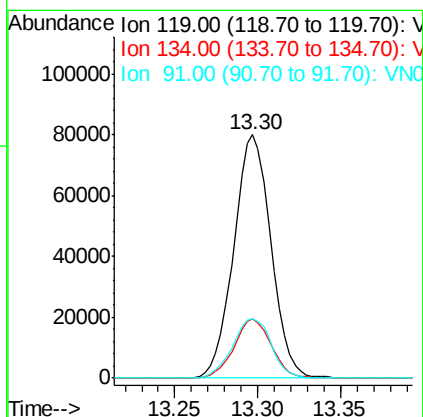
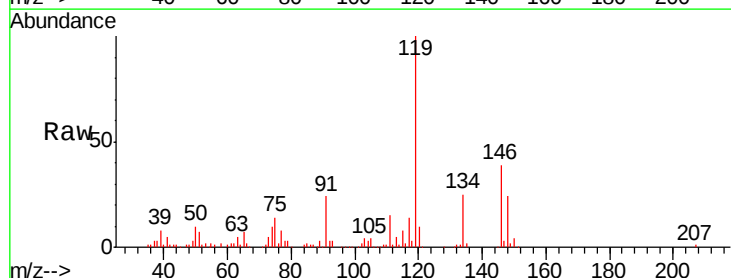
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

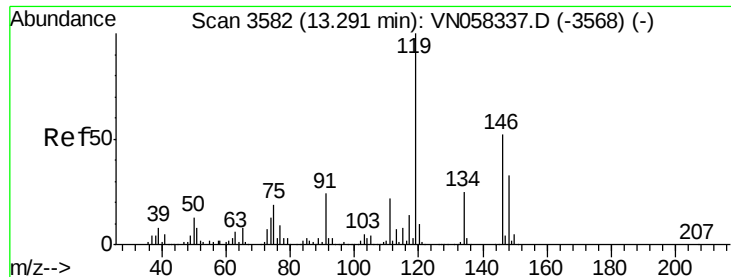
Tgt Ion:105 Resp: 141165
 Ion Ratio Lower Upper
 105 100
 134 18.8 0.0 38.2



#82
 p-Isopropyltoluene
 Concen: 4.699 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion:119 Resp: 124832
 Ion Ratio Lower Upper
 119 100
 134 24.5 0.0 51.6
 91 25.4 0.0 49.6

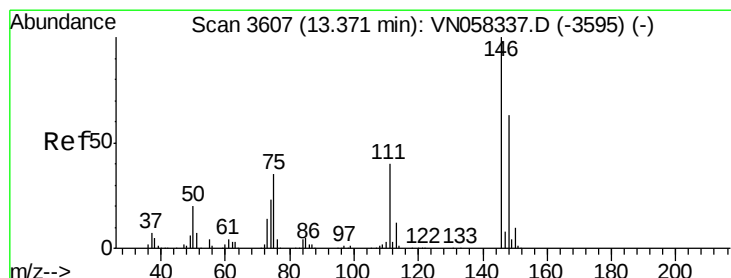
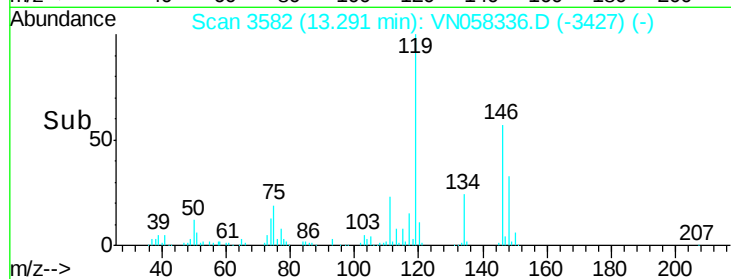
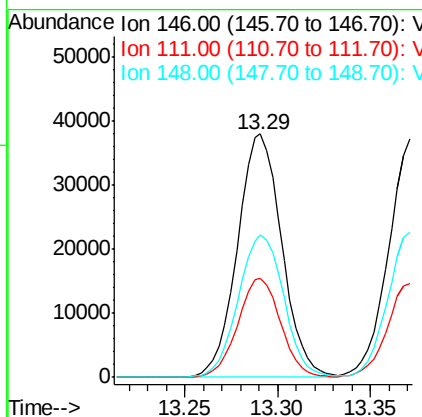
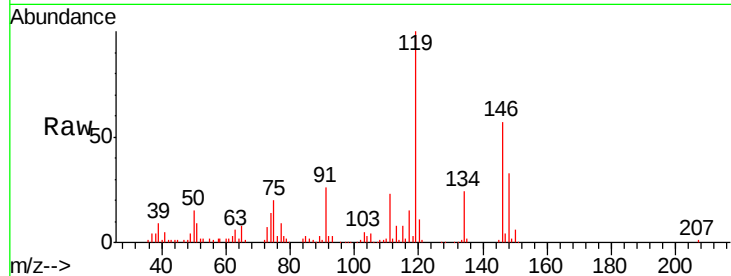




#83
 1,3-Dichlorobenzene
 Concen: 4.714 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

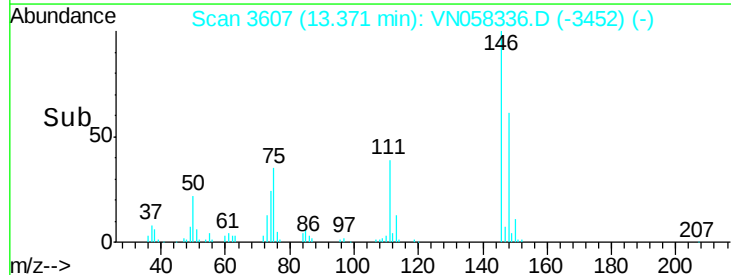
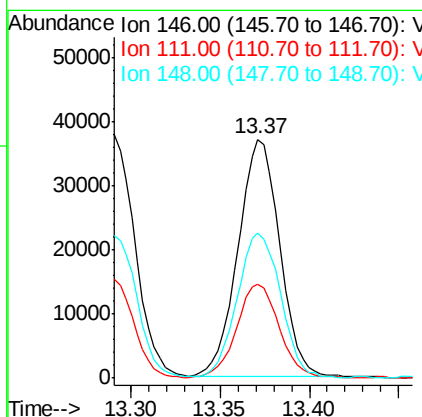
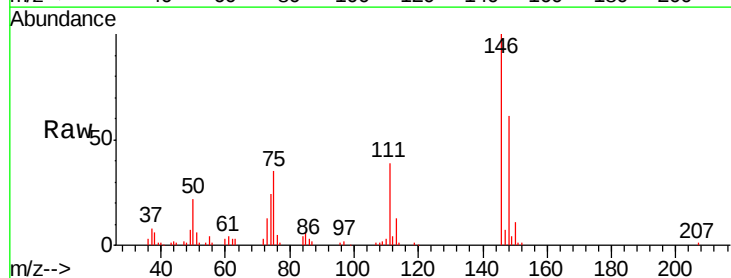
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

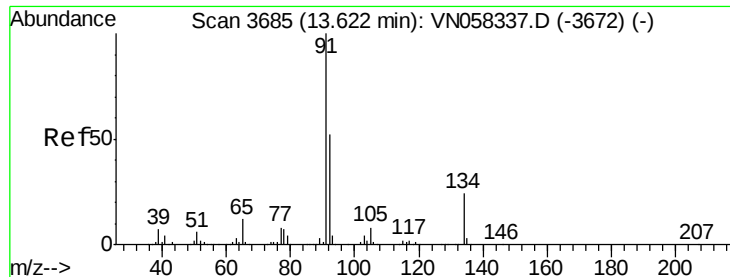
Tgt Ion:146 Resp: 63255
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.9 62.8
 148 60.2 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 4.545 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion:146 Resp: 60218
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.4 61.3
 148 63.3 31.9 95.7





#85

n-Butylbenzene

Concen: 4.414 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

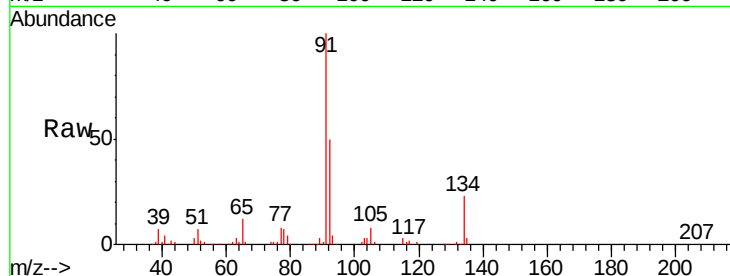
Tgt Ion: 91 Resp: 108994

Ion Ratio Lower Upper

91 100

92 48.9 0.0 102.6

134 23.8 0.0 47.8

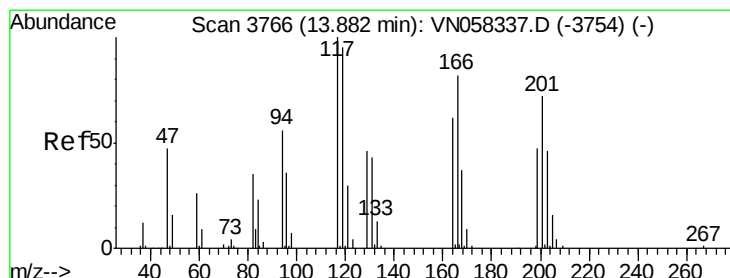
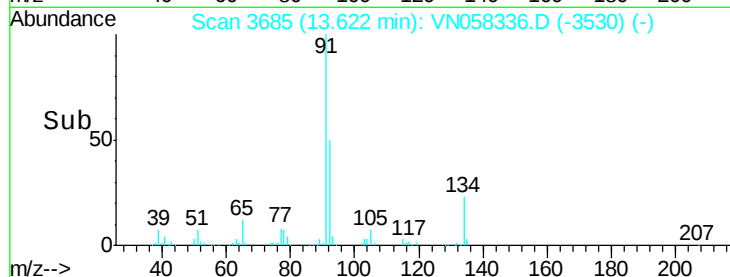


Abundance Ion 91.00 (90.70 to 91.70): VN058336.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058336.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058336.D (-3672) (-)

Time-->



#86

Hexachloroethane

Concen: 3.859 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058336.D

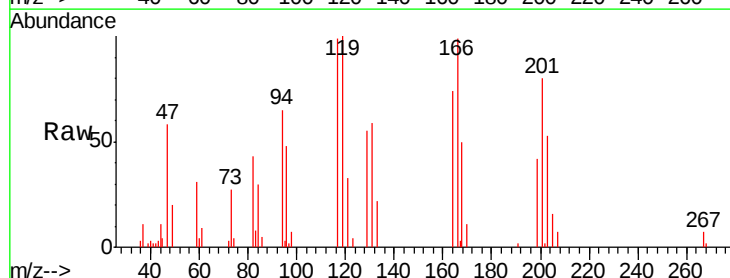
Acq: 24 Sep 2019 10:08

Tgt Ion: 117 Resp: 16493

Ion Ratio Lower Upper

117 100

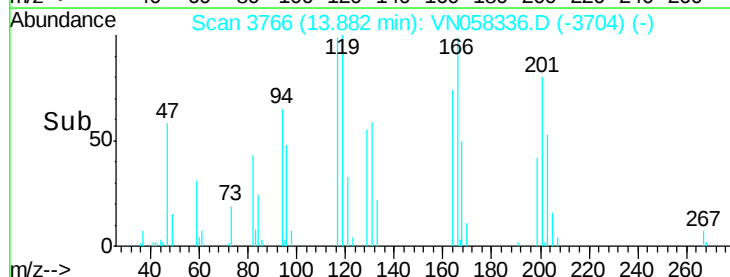
201 76.6 37.2 111.6

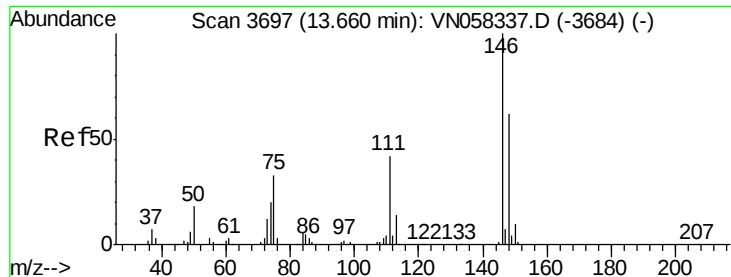


Abundance Ion 117.00 (116.70 to 117.70): VN058336.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN058336.D (-3754) (-)

Time-->

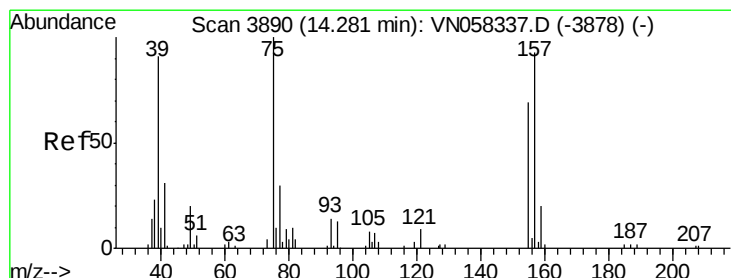
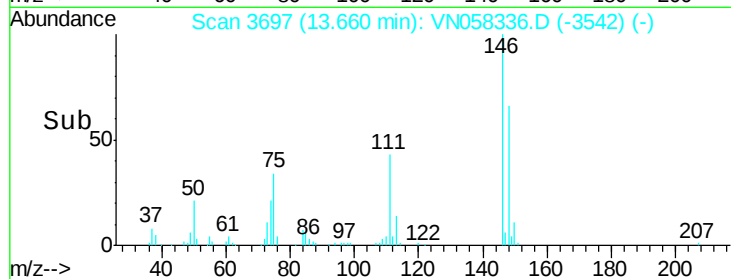
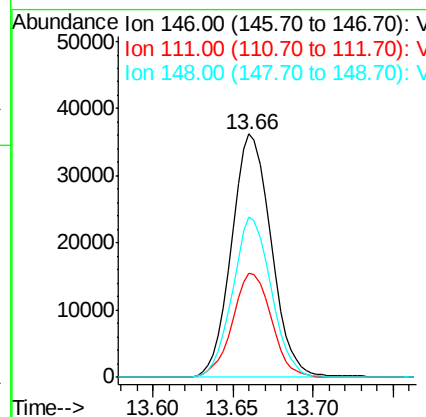
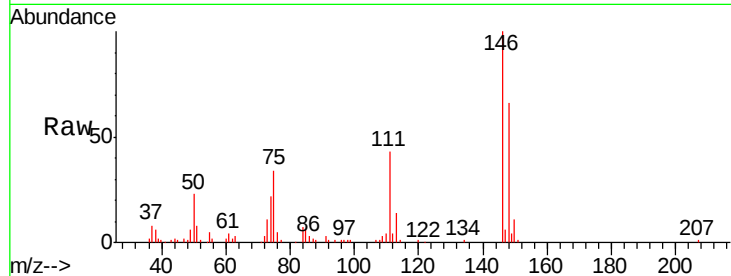




#87
 1,2-Dichlorobenzene
 Concen: 4.682 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

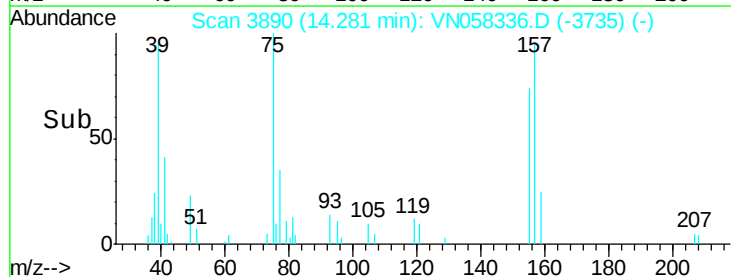
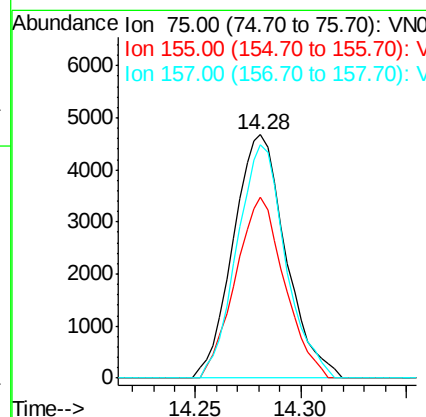
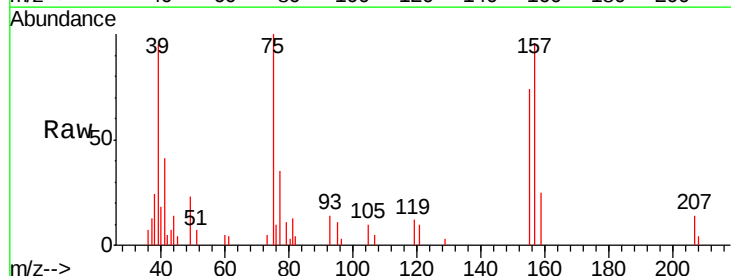
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

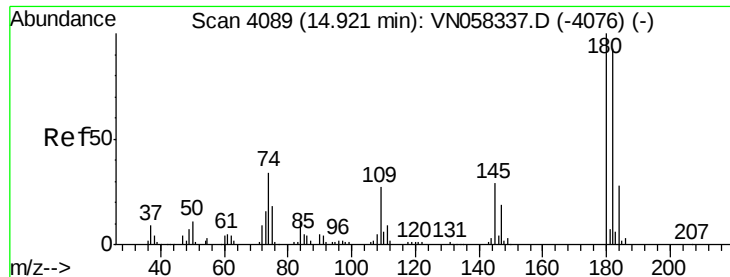
Tgt Ion:146 Resp: 61230
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.1 63.3
 148 64.0 31.9 95.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.789 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. -0.00 min
 Lab File: VN058336.D
 Acq: 24 Sep 2019 10:08

Tgt Ion: 75 Resp: 8085
 Ion Ratio Lower Upper
 75 100
 155 69.2 58.5 87.7
 157 88.7 75.4 113.2





#89

1,2,4-Trichlorobenzene

Concen: 4.331 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

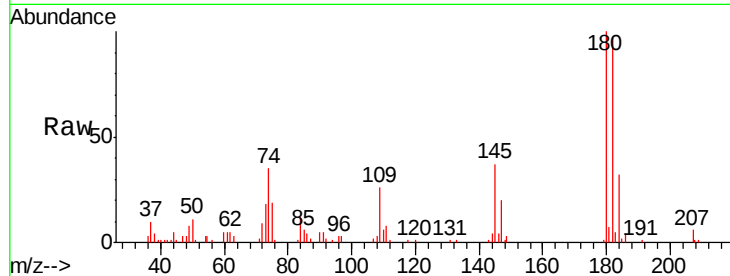
Tgt Ion:180 Resp: 34723

Ion Ratio Lower Upper

180 100

182 97.5 75.2 112.8

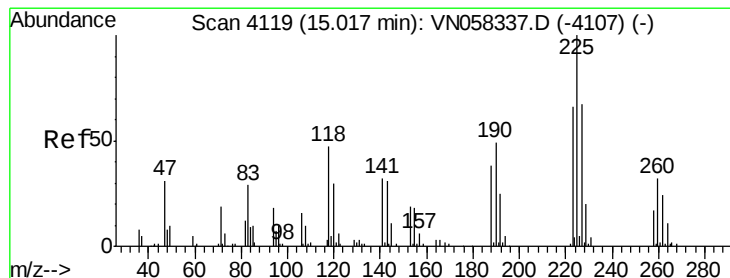
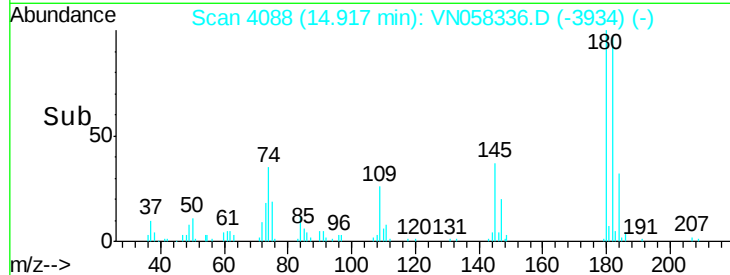
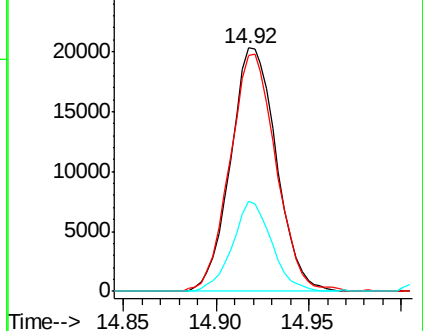
145 31.8 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 4.985 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VN058336.D

Acq: 24 Sep 2019 10:08

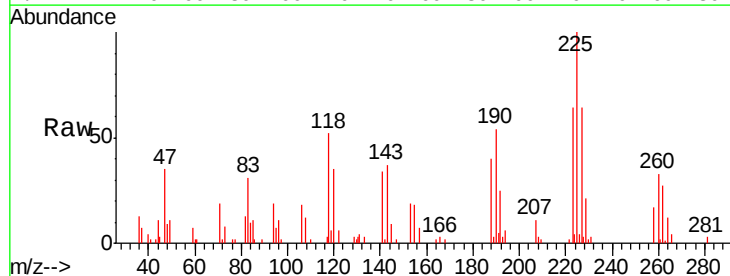
Tgt Ion:225 Resp: 18470

Ion Ratio Lower Upper

225 100

223 64.3 0.0 132.6

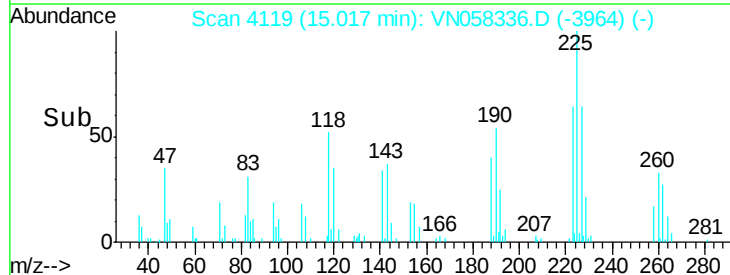
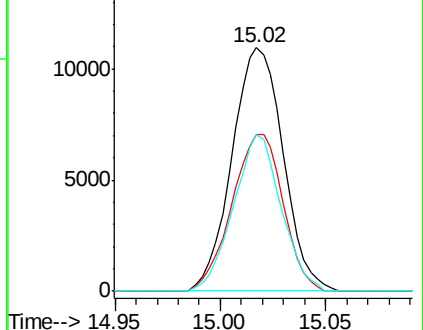
227 59.6 0.0 129.2

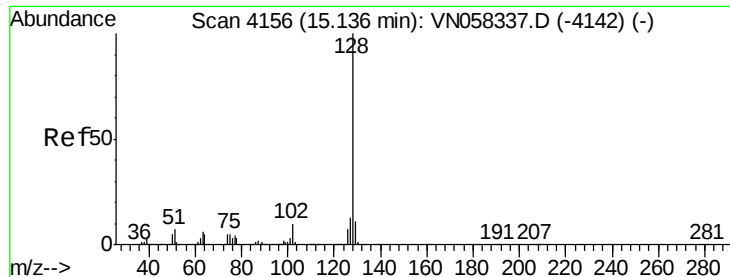


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

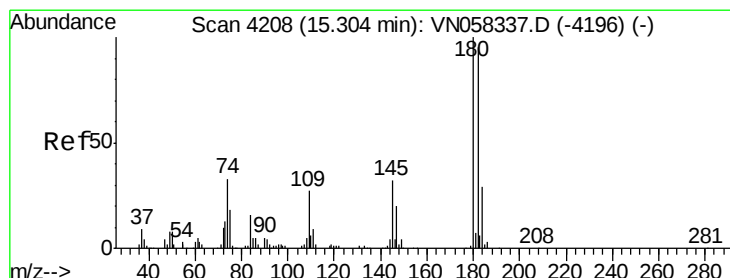
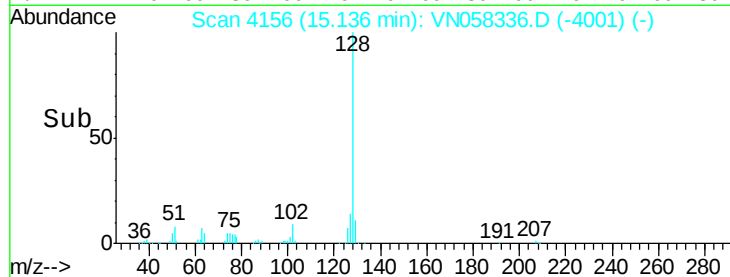
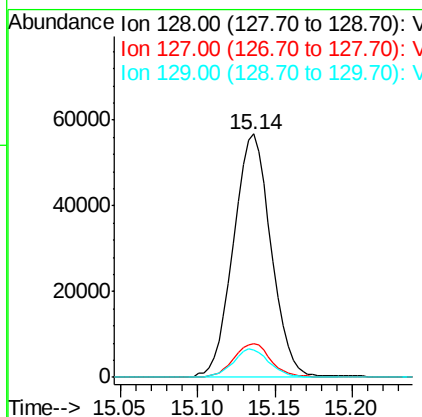
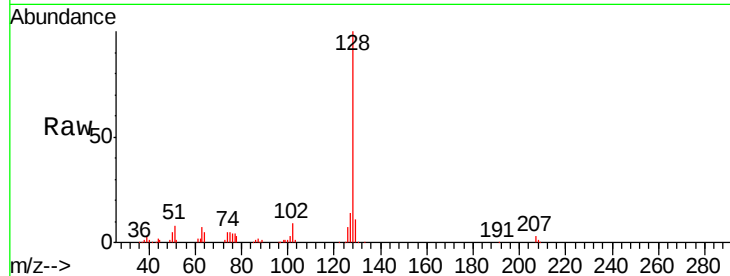




#91
Naphthalene
Concen: 4.378 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 96007
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 11.2 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 4.510 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058336.D
Acq: 24 Sep 2019 10:08

Tgt Ion:180 Resp: 34375
Ion Ratio Lower Upper
180 100
182 95.4 0.0 189.4
145 32.8 0.0 64.0

