

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058339.D
 Acq On : 24 Sep 2019 11:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 25 01:19:34 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	94900	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	560804	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	504931	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	250547	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.41	95	267955	30.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.90%
63) Toluene-d8	10.08	98	726294	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	571939	98.911 ug/l	99
3) Chloromethane	2.04	50	644786	91.665 ug/l	100
4) Vinyl Chloride	2.17	62	641027	89.460 ug/l	96
5) Bromomethane	2.54	94	340727	79.530 ug/l	100
6) Chloroethane	2.68	64	383215	86.819 ug/l	96
7) Trichlorofluoromethane	3.00	101	750561	92.161 ug/l	98
8) Diethyl Ether	3.39	74	338105	99.069 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	516319	97.651 ug/l	99
10) 1,1-Dichloroethene	3.72	96	506435	99.703 ug/l	99
11) Methyl Iodide	3.93	142	608786	95.730 ug/l	99
12) Methyl Acetate	4.30	43	679969	99.555 ug/l	100
13) Acrolein	3.59	56	116519	335.773 ug/l	98
14) Acrylonitrile	4.96	53	1432108	509.081 ug/l	100
15) Acetone	3.79	58	375577	472.981 ug/l	95
16) Carbon Disulfide	4.03	76	1461456	119.914 ug/l	99
17) Allyl chloride	4.30	41	976710	104.438 ug/l	95
18) Methylene Chloride	4.53	84	598349	94.650 ug/l	94
19) trans-1,2-Dichloroethene	5.02	96	571017	100.891 ug/l	96
20) Diisopropyl ether	5.93	45	2102982	98.407 ug/l	97
21) 1,1-Dichloroethane	5.83	63	1145849	97.257 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	672254	98.086 ug/l	99
23) tert-Butyl Alcohol	4.76	59	517967	554.561 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	1849180	96.611 ug/l	99
25) Chloroform	7.36	83	1158791	96.512 ug/l	100
26) Cyclohexane	7.64	56	1089743	107.239 ug/l	99
29) 1,1-Dichloropropene	7.78	75	916032	102.374 ug/l	99
30) 2-Butanone	6.81	43	2049913	509.969 ug/l	100
31) 2,2-Dichloropropane	6.81	77	951007	100.766 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1000719	100.369 ug/l	99
33) Carbon Tetrachloride	7.76	117	855813	103.762 ug/l	97
34) Benzene	8.03	78	2577458	97.992 ug/l	# 92
35) Methacrylonitrile	7.19	41	1231619	324.490 ug/l	# 61
36) 1,2-Dichloroethane	8.11	62	1003783	98.425 ug/l	100
37) Trichloroethene	8.82	130	644981	100.366 ug/l	99
38) Methylcyclohexane	9.07	83	1111599	108.077 ug/l	98
39) 1,2-Dichloropropane	9.11	63	698575	95.254 ug/l	97
40) Dibromomethane	9.20	93	447283	99.690 ug/l	97

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 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	910006	100.548	ug/l	99
42) Vinyl Acetate	5.87	43	7690507	477.194	ug/l	96
43) Ethyl Acetate	6.91	43	846645	104.112	ug/l	95
44) Isopropyl Acetate	8.15	43	1496170	103.694	ug/l #	84
45) 1,4-Dioxane	9.19	88	237846	2061.395	ug/l	95
46) Methyl methacrylate	9.19	41	714350	102.401	ug/l	96
47) n-amyl Acetate	12.07	43	1374202	105.115	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1034358	106.756	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	1113213	102.217	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	615841	95.183	ug/l	98
51) Ethyl methacrylate	10.43	69	1030394	102.140	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1107243	97.356	ug/l	100
53) Dibromochloromethane	10.90	129	668343	103.442	ug/l	100
54) 1,2-Dibromoethane	11.00	107	644959	99.520	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	2208523	476.428	ug/l	99
56) Bromoform	12.13	173	438423	109.592	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3753233	475.303	ug/l	91
59) 2-Hexanone	10.75	43	2923807	492.973	ug/l	94
61) Tetrachloroethene	10.63	164	530903	102.334	ug/l	99
62) Toluene	10.15	91	2737776	97.579	ug/l	97
64) Chlorobenzene	11.44	112	1690436	97.187	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	612581	101.142	ug/l	99
66) Ethyl Benzene	11.51	91	2970364	96.729	ug/l	92
67) m/p-Xylenes	11.62	106	2337857	199.298	ug/l	81
68) o-Xylene	11.95	106	1145092	99.475	ug/l	97
69) Styrene	11.97	104	1958399	100.385	ug/l	100
70) Isopropylbenzene	12.25	105	2911635	96.342	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.51	83	932631	98.765	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1220732	145.662	ug/l	60
73) Bromobenzene	12.53	156	712598	97.726	ug/l	97
74) n-propylbenzene	12.60	91	3313302	95.740	ug/l	94
75) 2-Chlorotoluene	12.68	91	2131979	98.702	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	2556230	98.963	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	300016	118.094	ug/l	90
78) 4-Chlorotoluene	12.78	91	2228649	100.701	ug/l	99
79) tert-butylbenzene	13.00	119	2234604	99.837	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	2538716	98.424	ug/l	94
81) sec-Butylbenzene	13.18	105	2882053	96.313	ug/l	97
82) p-Isopropyltoluene	13.30	119	2638727	98.883	ug/l	97
83) 1,3-Dichlorobenzene	13.29	146	1333308	98.908	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	1340841	100.750	ug/l	99
85) n-Butylbenzene	13.62	91	2509818	101.187	ug/l	95
86) Hexachloroethane	13.88	117	456099	106.221	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	1300281	98.979	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	192940	113.770	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	878599	109.095	ug/l	99
90) Hexachlorobutadiene	15.02	225	408328	109.697	ug/l	97
91) Naphthalene	15.14	128	2380591	108.070	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	822396	107.416	ug/l	99

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Sep 25 01:19:34 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

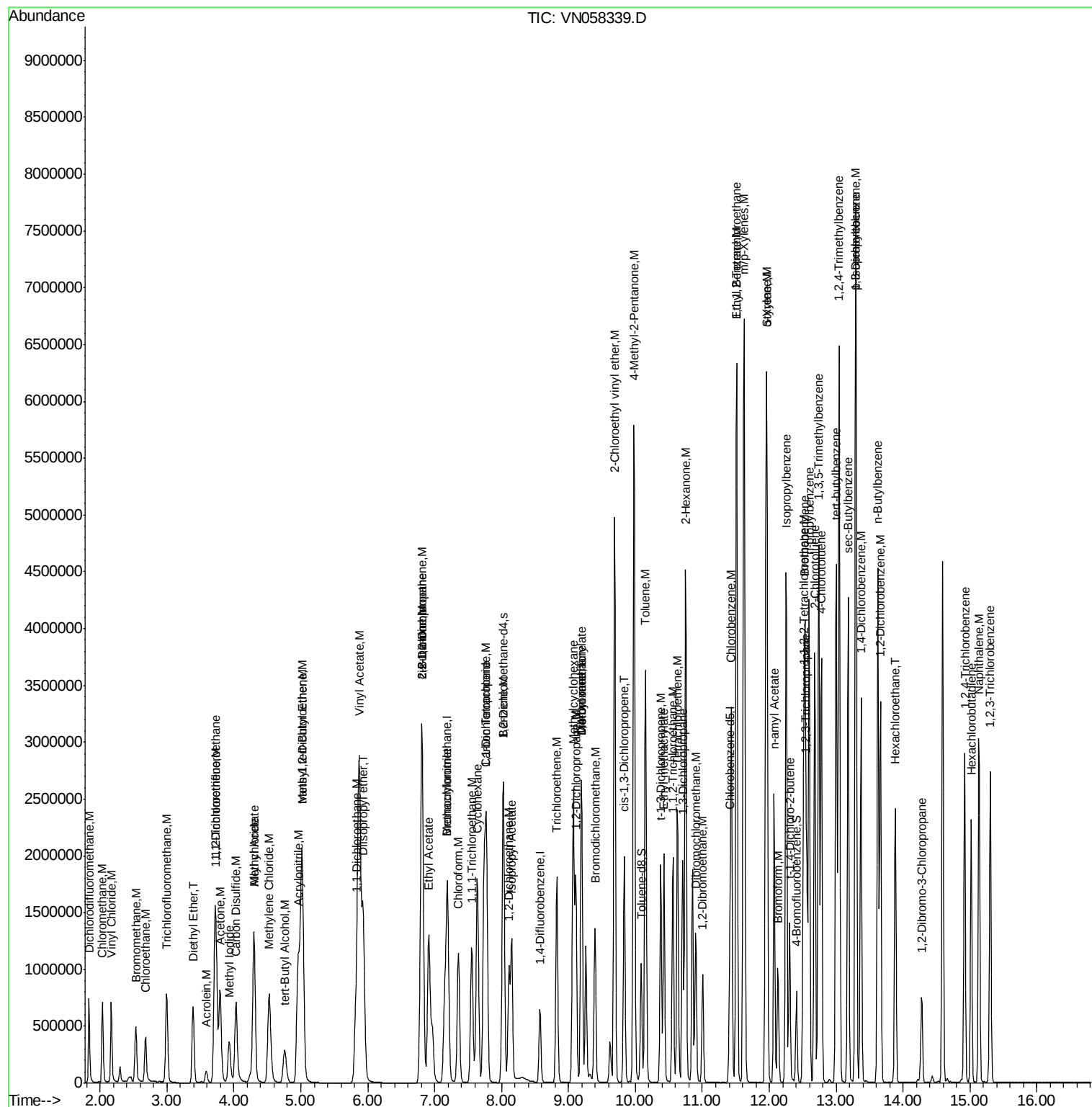
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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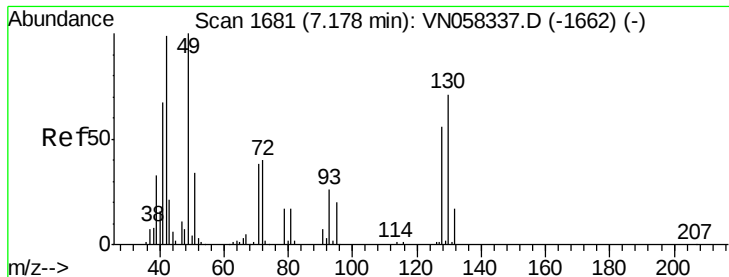
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Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092419\
 Data File : VN058339.D
 Acq On : 24 Sep 2019 11:14
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Quant Time: Sep 25 01:19:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

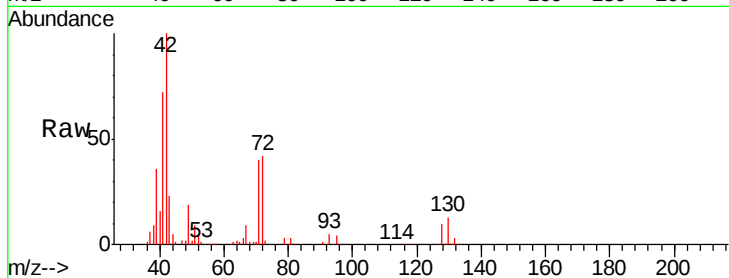
Tgt Ion:128 Resp: 94900

Ion Ratio Lower Upper

128 100

49 191.9 0.0 458.5

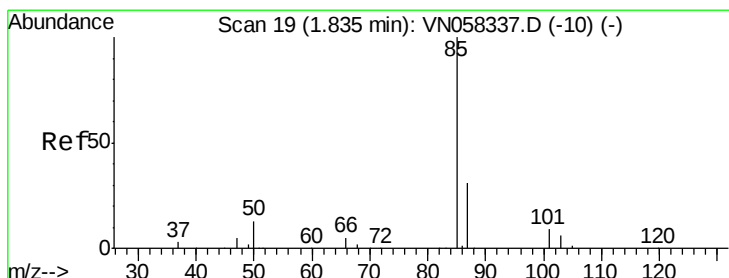
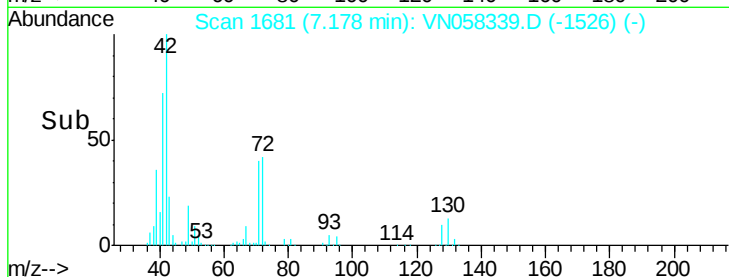
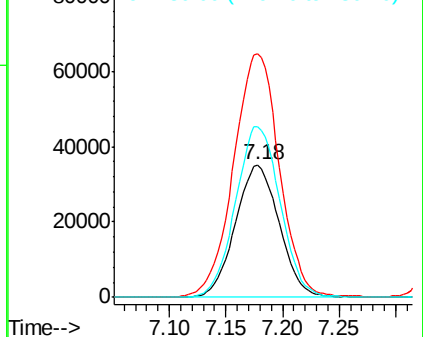
130 131.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 98.911 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058339.D

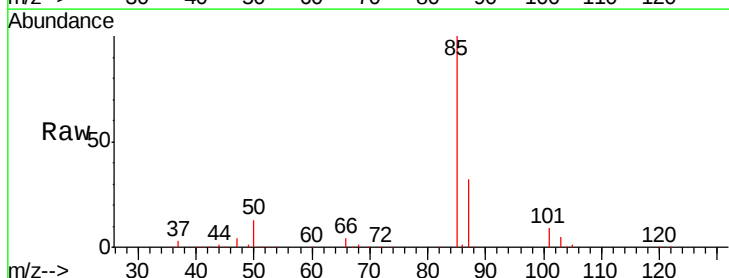
Acq: 24 Sep 2019 11:14

Tgt Ion: 85 Resp: 571939

Ion Ratio Lower Upper

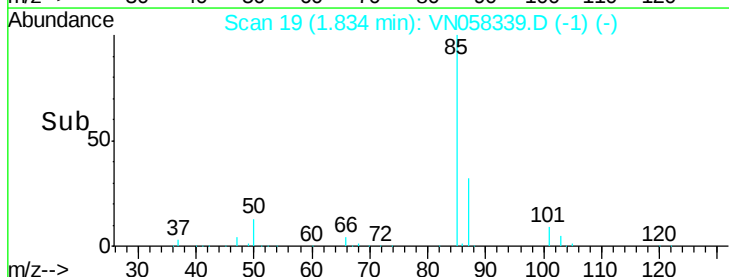
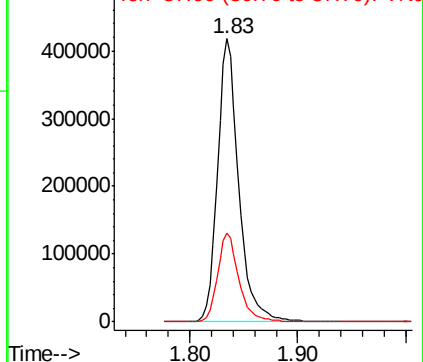
85 100

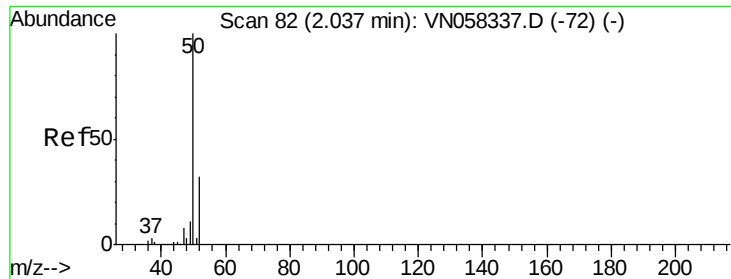
87 31.5 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

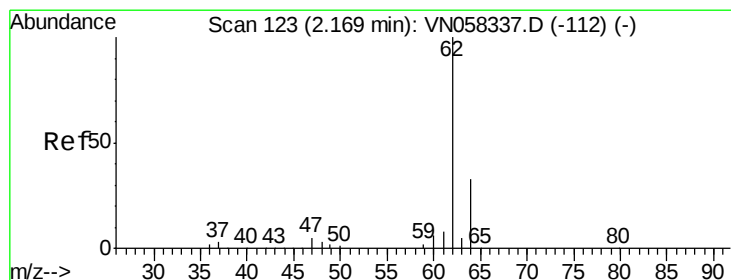
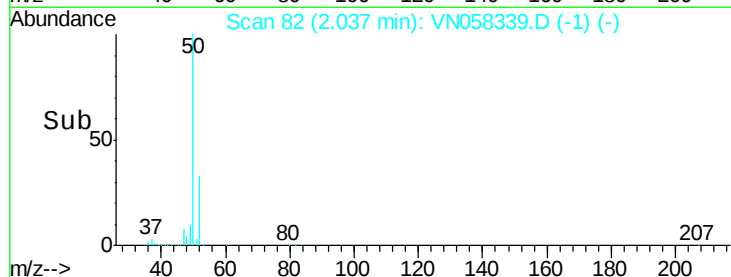
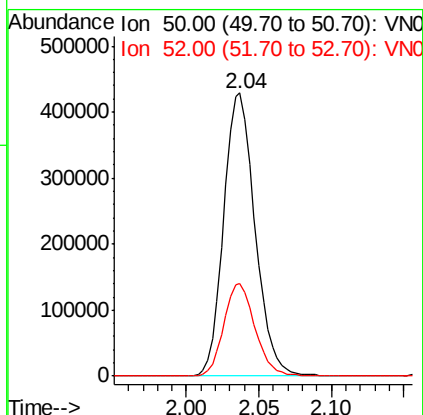
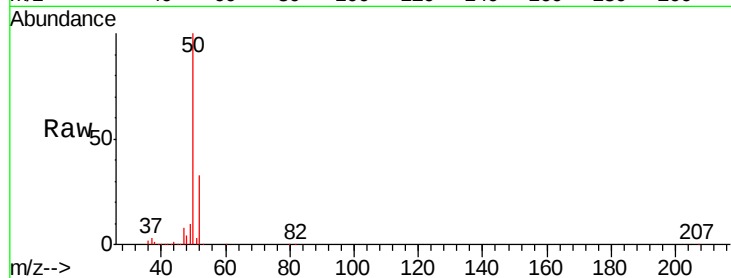




#3
Chloromethane
Concen: 91.665 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

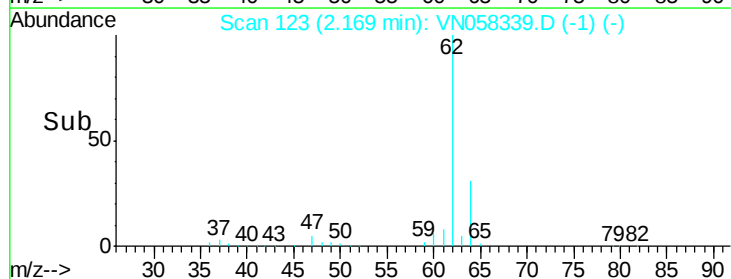
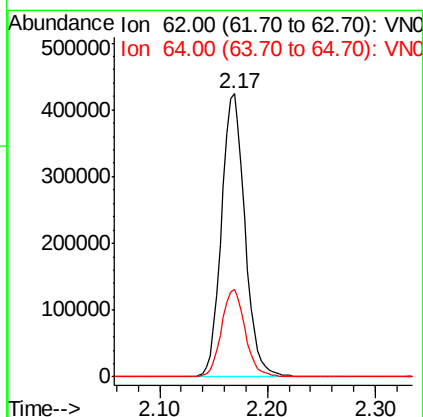
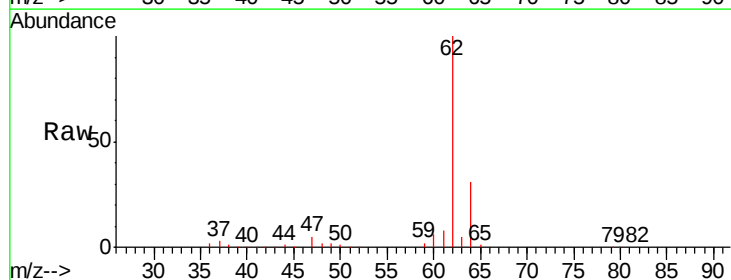
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

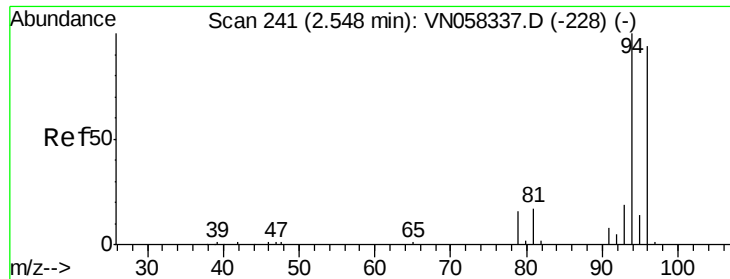
Tgt Ion: 50 Resp: 644786
Ion Ratio Lower Upper
50 100
52 32.6 25.9 38.9



#4
Vinyl Chloride
Concen: 89.460 ug/l
RT: 2.17 min Scan# 123
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 62 Resp: 641027
Ion Ratio Lower Upper
62 100
64 30.9 26.6 40.0

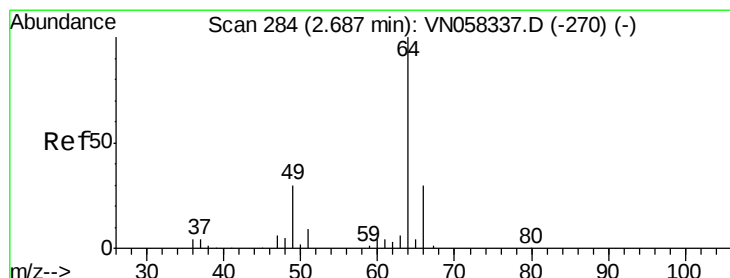
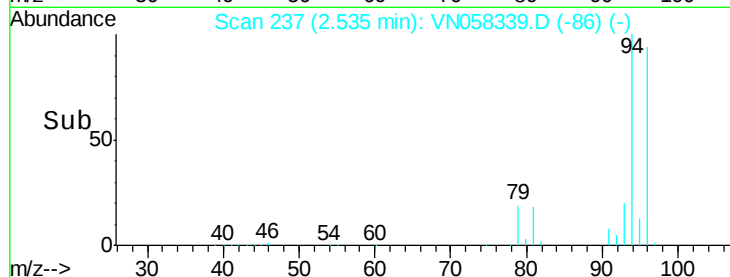
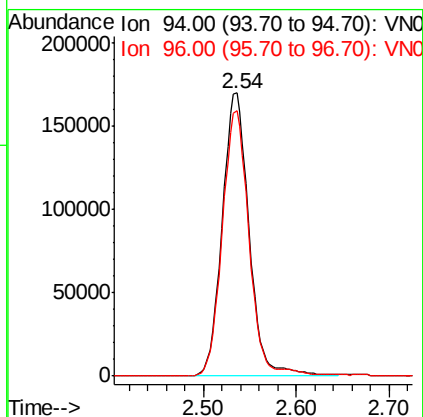
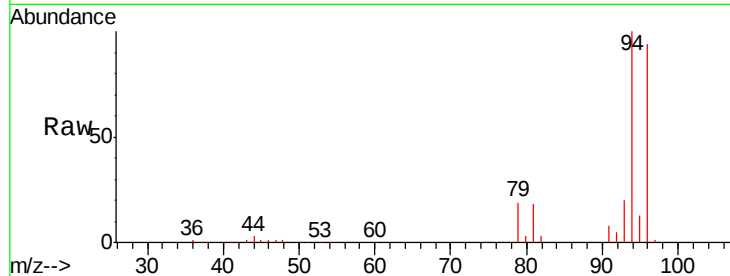




#5
Bromomethane
Concen: 79.530 ug/l
RT: 2.54 min Scan# 237
Delta R.T. -0.01 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

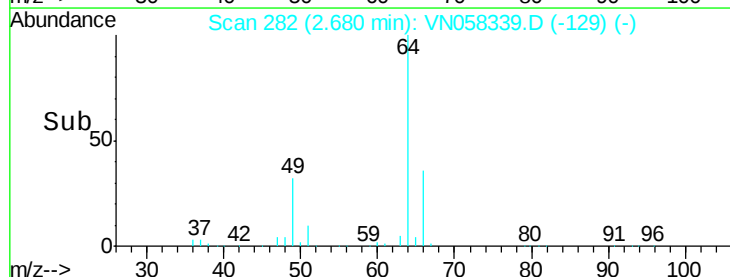
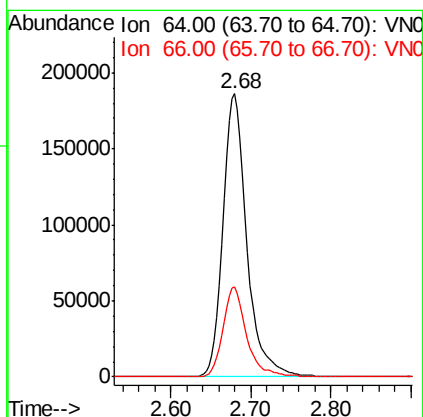
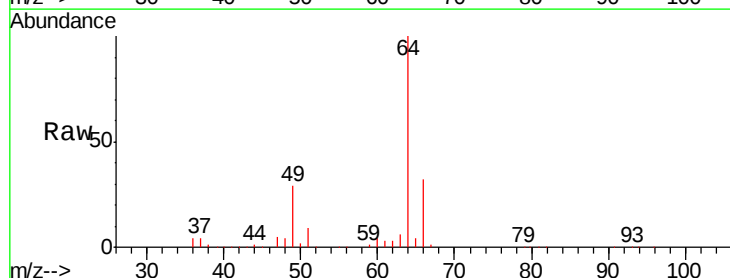
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

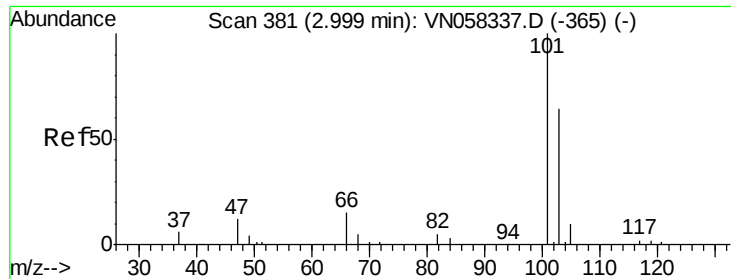
Tgt Ion: 94 Resp: 340727
Ion Ratio Lower Upper
94 100
96 94.0 74.8 112.2



#6
Chloroethane
Concen: 86.819 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 64 Resp: 383215
Ion Ratio Lower Upper
64 100
66 31.7 23.8 35.6



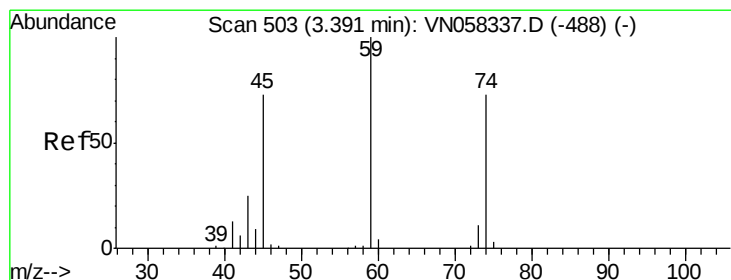
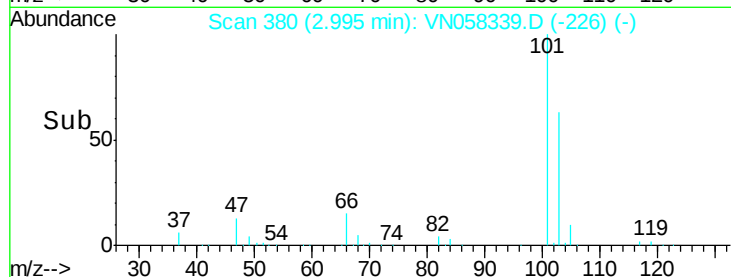
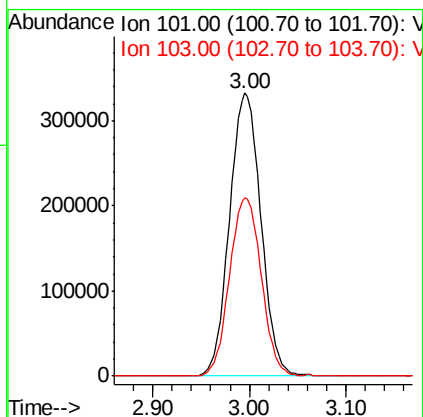
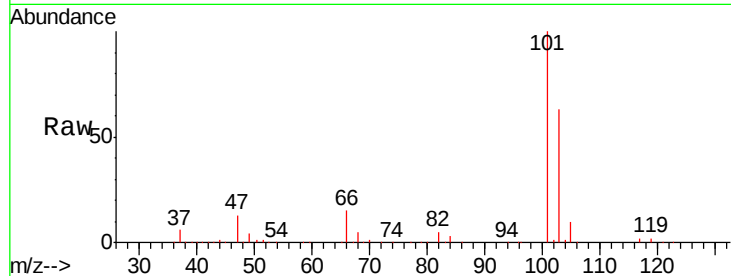


#7

Trichlorofluoromethane
Concen: 92.161 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

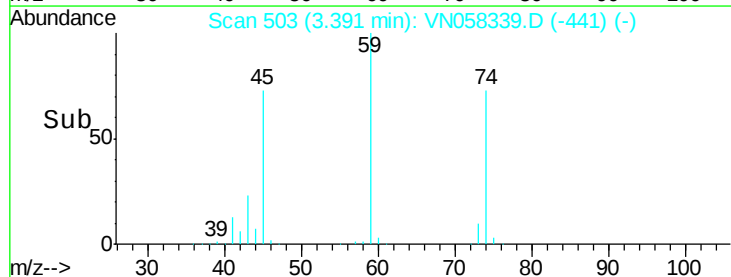
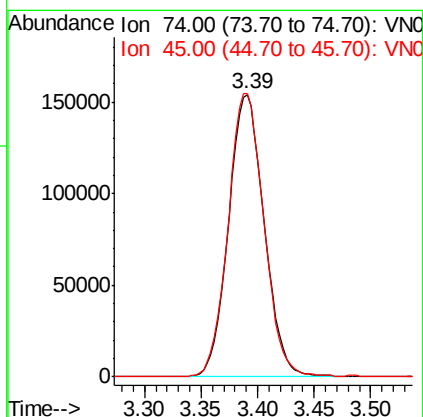
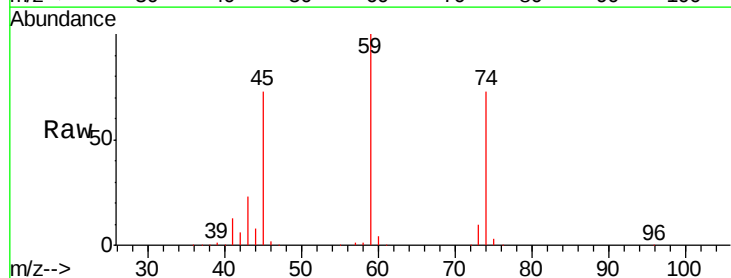
Tgt Ion: 101 Resp: 750561
Ion Ratio Lower Upper
101 100
103 63.2 51.5 77.3

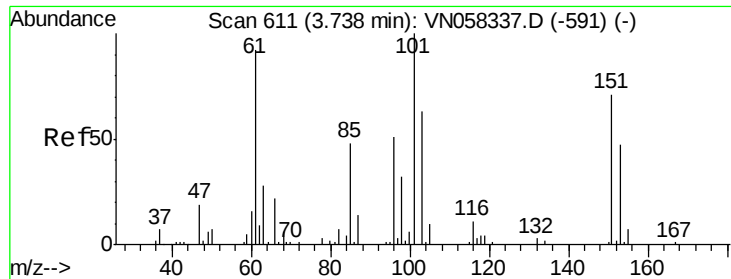


#8

Diethyl Ether
Concen: 99.069 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 74 Resp: 338105
Ion Ratio Lower Upper
74 100
45 100.0 20.8 187.6

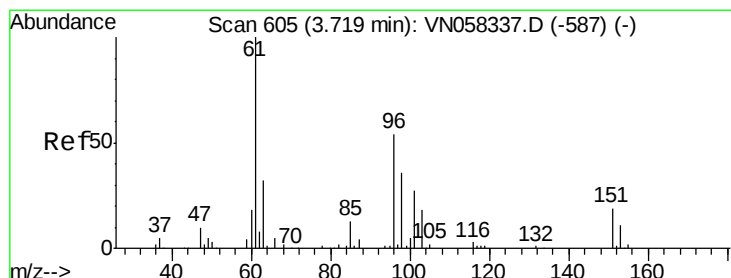
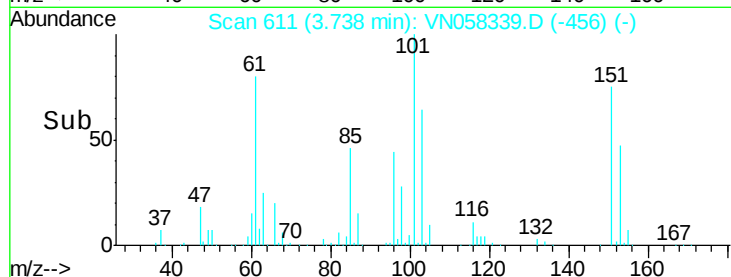
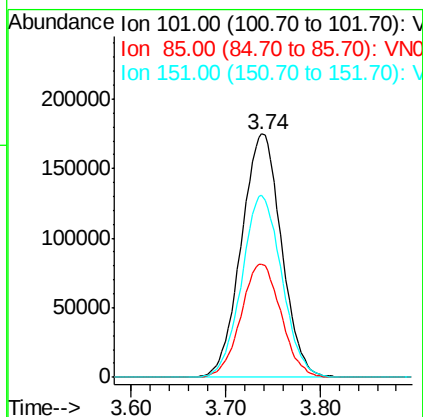
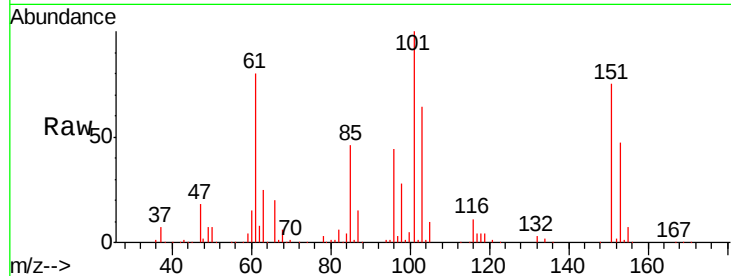




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 97.651 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

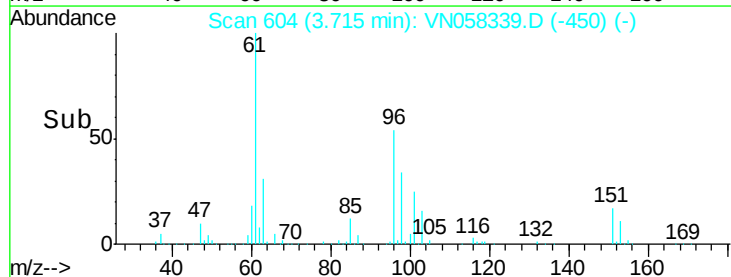
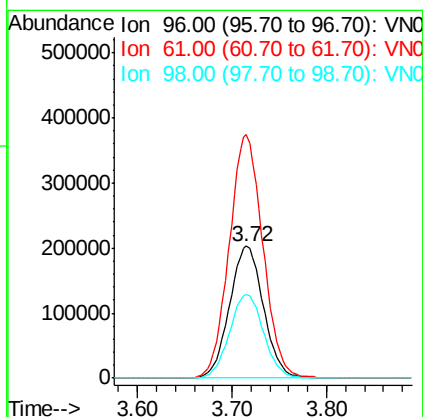
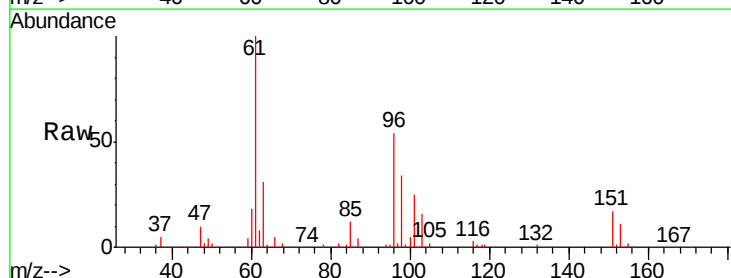
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

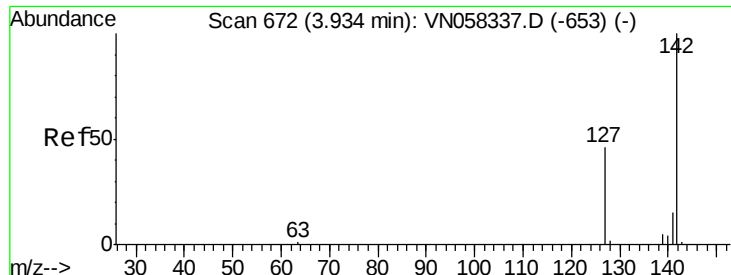
Tgt Ion: 101 Resp: 516319
 Ion Ratio Lower Upper
 101 100
 85 46.6 0.0 93.0
 151 74.5 0.0 147.2



#10
 1,1-Dichloroethene
 Concen: 99.703 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 96 Resp: 506435
 Ion Ratio Lower Upper
 96 100
 61 184.5 146.9 220.3
 98 63.4 52.3 78.5

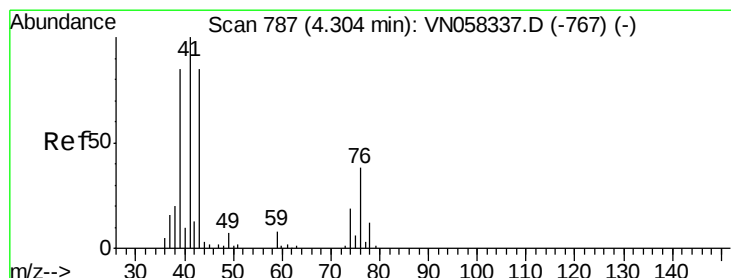
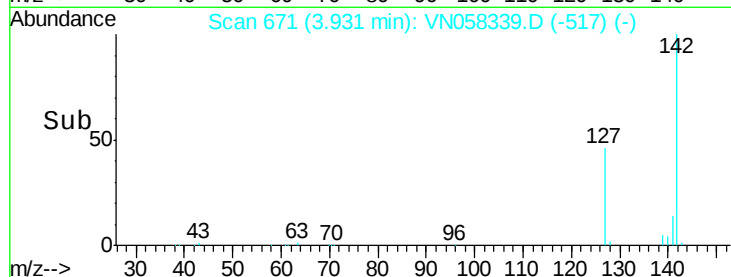
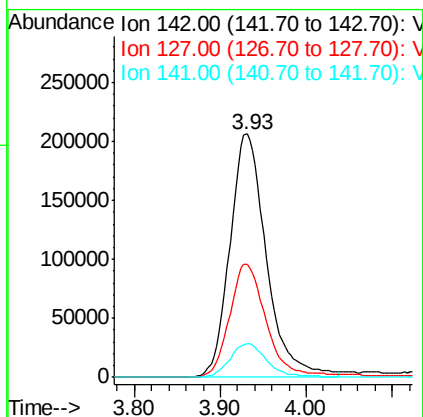
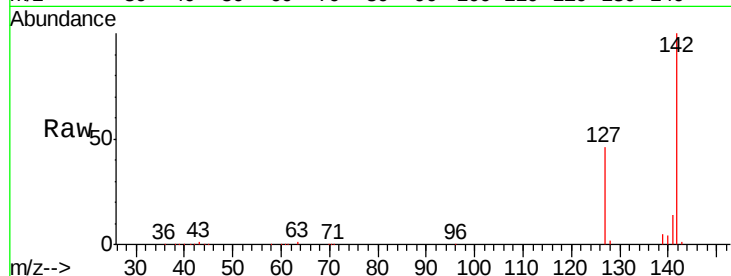




#11
Methyl Iodide
Concen: 95.730 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

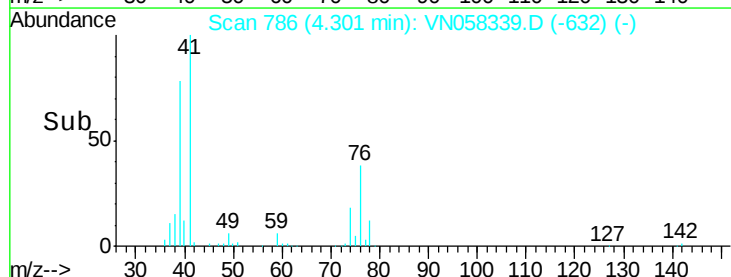
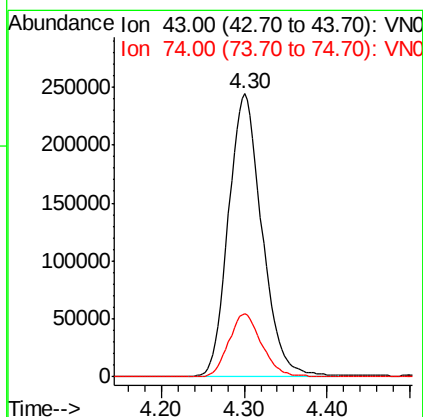
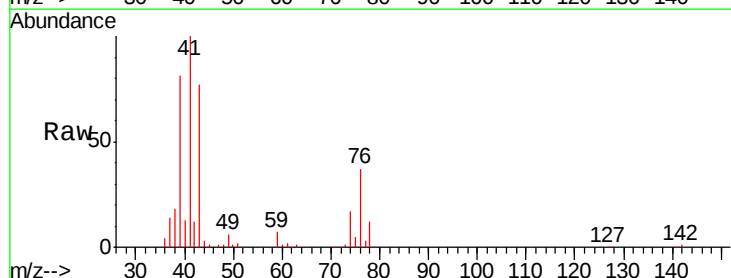
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

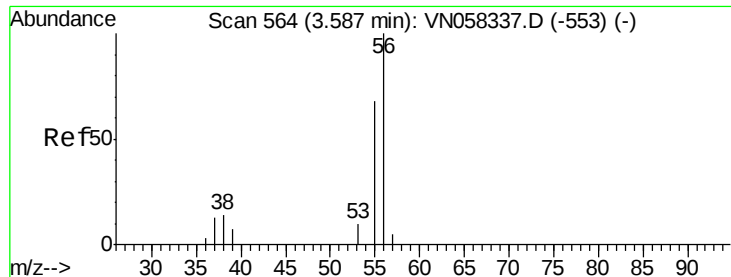
Tgt Ion: 142 Resp: 608786
Ion Ratio Lower Upper
142 100
127 46.1 22.9 68.7
141 13.8 7.4 22.3



#12
Methyl Acetate
Concen: 99.555 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 43 Resp: 679969
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.6





#13

Acrolein

Concen: 335.773 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

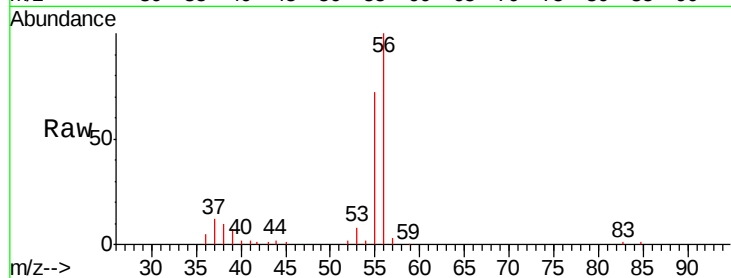
VSTDICC100

Tgt Ion: 56 Resp: 116519

Ion Ratio Lower Upper

56 100

55 71.5 58.4 87.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

50000

40000

30000

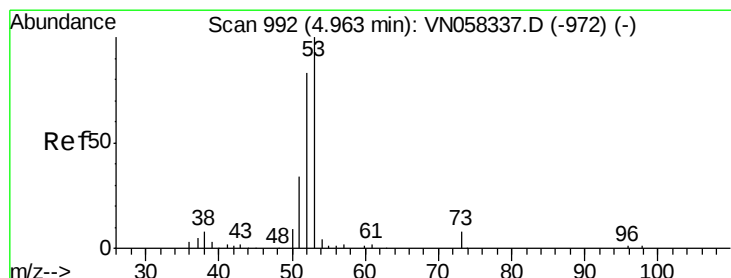
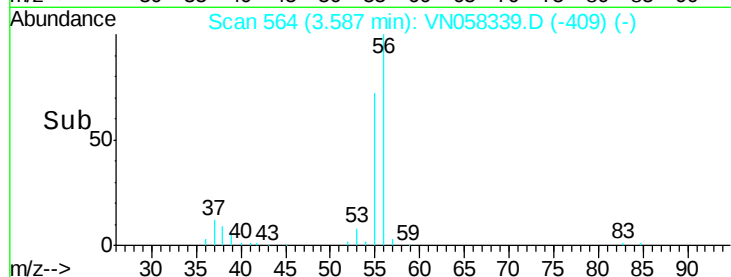
20000

10000

0

Time-->

3.50 3.60 3.70



#14

Acrylonitrile

Concen: 509.081 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

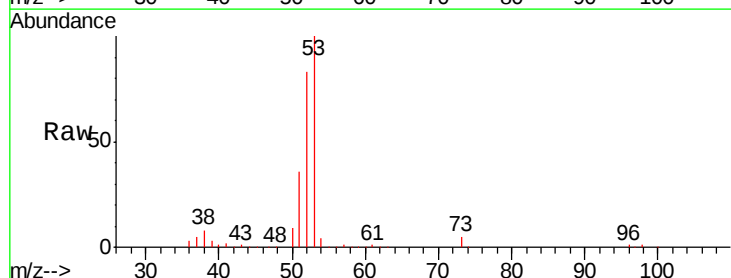
Tgt Ion: 53 Resp: 1432108

Ion Ratio Lower Upper

53 100

52 82.3 41.3 123.7

51 37.0 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

4.96

500000

400000

300000

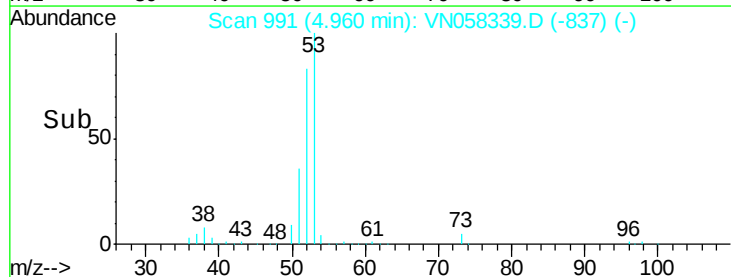
200000

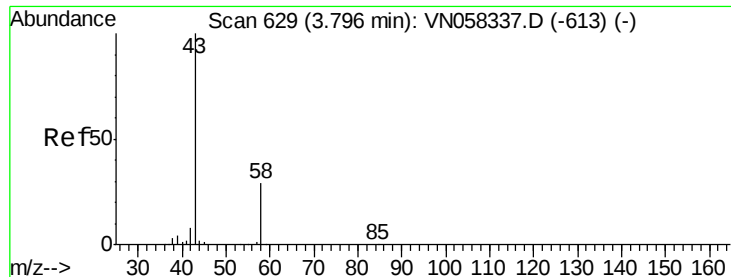
100000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#15

Acetone

Concen: 472.981 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

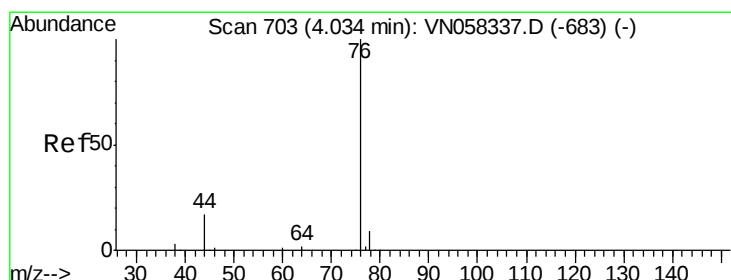
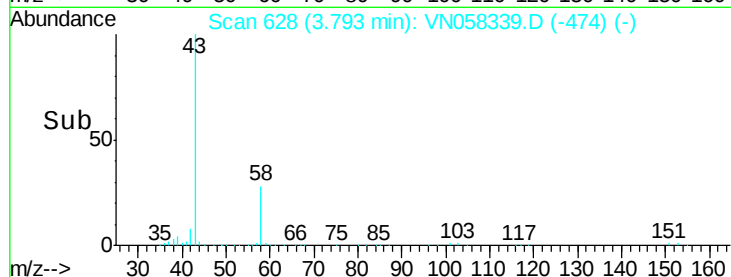
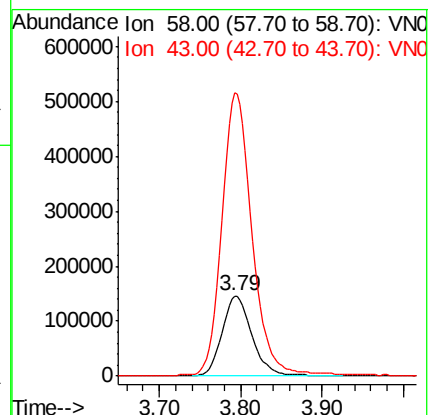
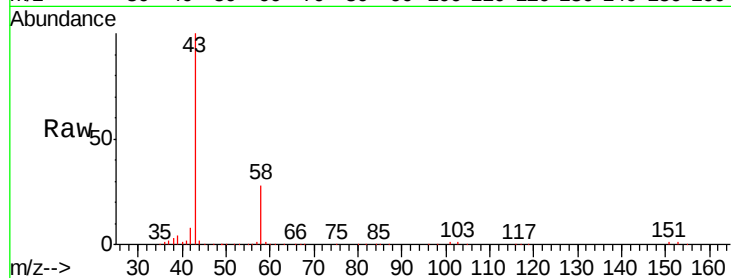
VSTDIC100

Tgt Ion: 58 Resp: 375577

Ion Ratio Lower Upper

58 100

43 351.6 272.6 409.0



#16

Carbon Disulfide

Concen: 119.914 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058339.D

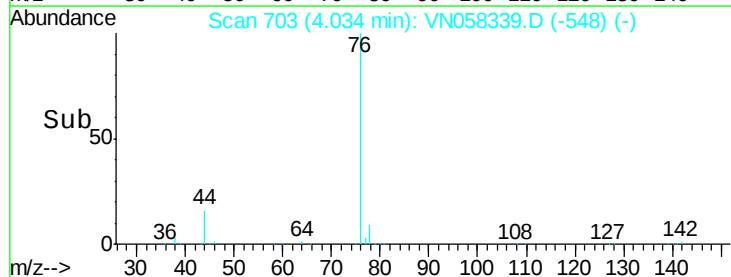
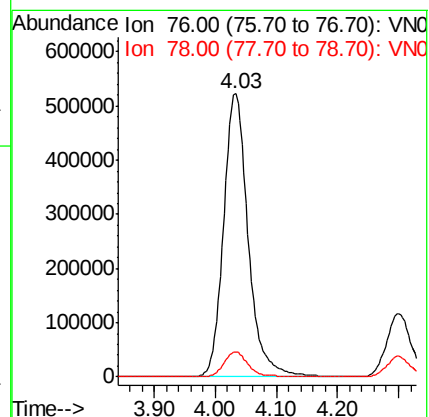
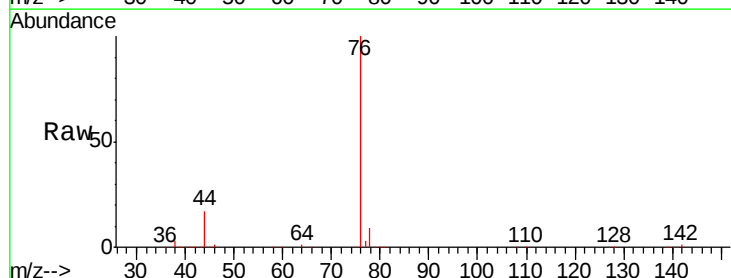
Acq: 24 Sep 2019 11:14

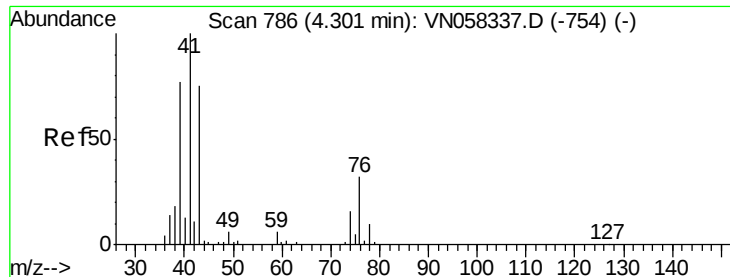
Tgt Ion: 76 Resp: 1461456

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





#17

Allyl chloride

Concen: 104.438 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

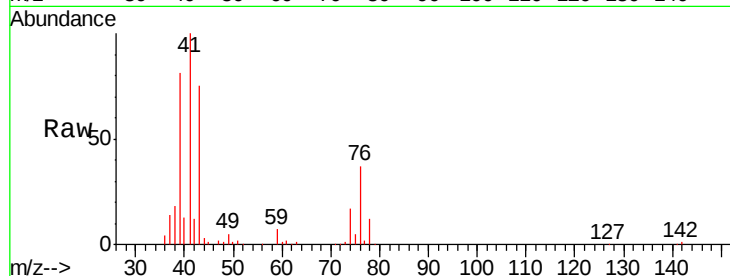
Tgt Ion: 41 Resp: 976710

Ion Ratio Lower Upper

41 100

39 81.0 38.7 116.1

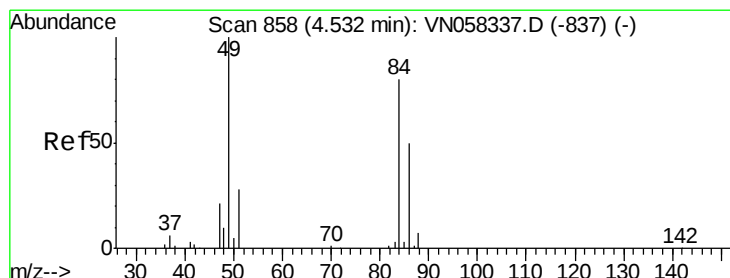
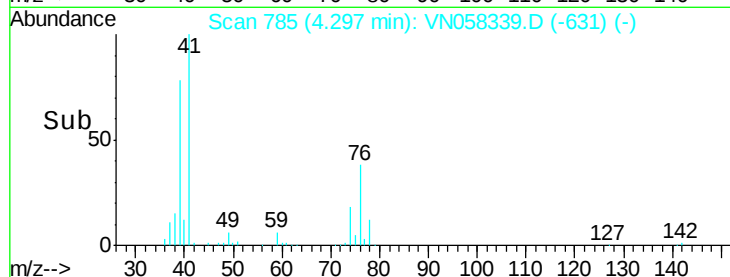
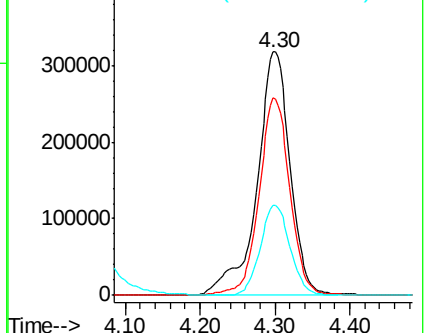
76 36.6 16.4 49.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 94.650 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.01 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Tgt Ion: 84 Resp: 598349

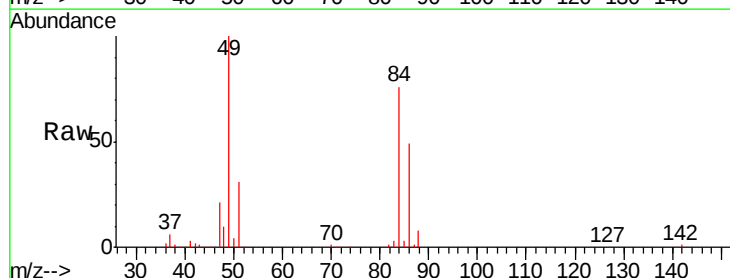
Ion Ratio Lower Upper

84 100

49 131.8 99.8 149.6

51 40.4 28.3 42.5

86 64.1 49.8 74.6

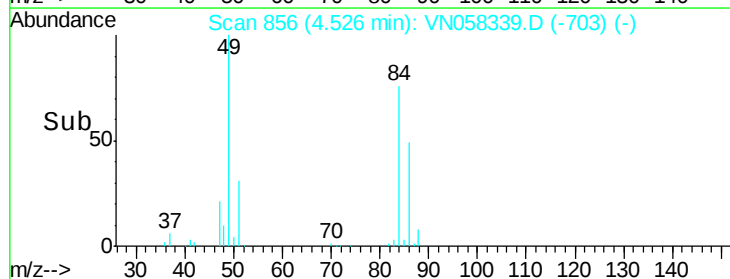
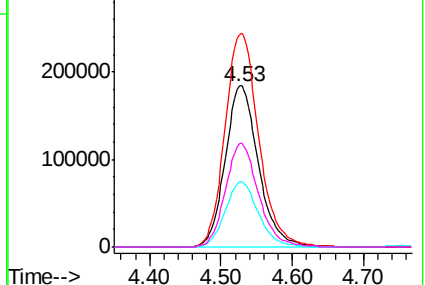


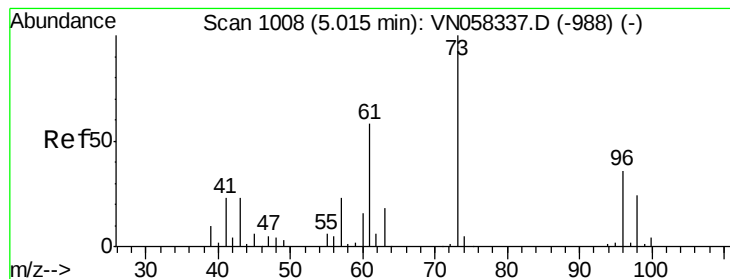
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 100.891 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

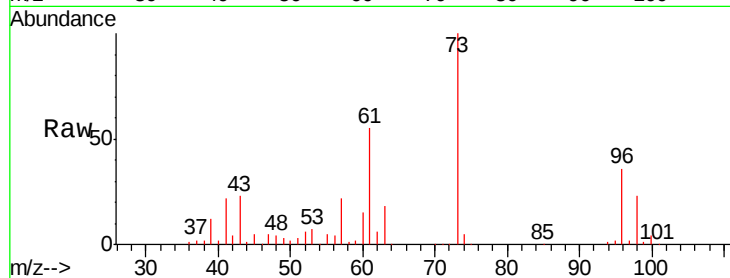
Tgt Ion: 96 Resp: 571017

Ion Ratio Lower Upper

96 100

61 154.8 128.0 192.0

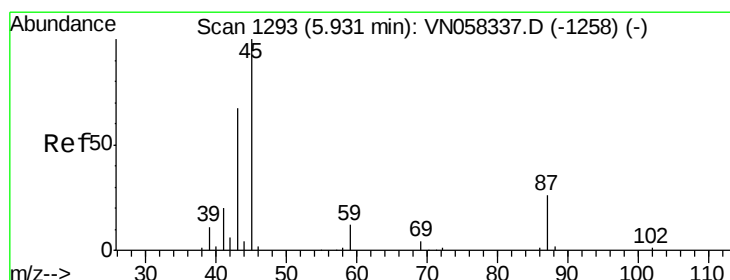
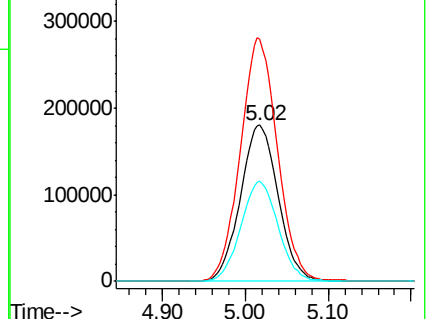
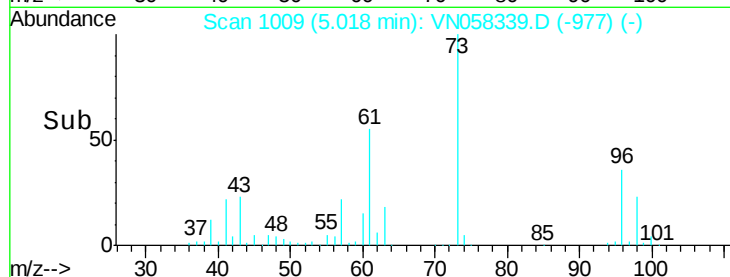
98 63.9 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VN058339.D (-977) (-)

Ion 61.00 (60.70 to 61.70): VN058339.D (-977) (-)

Ion 98.00 (97.70 to 98.70): VN058339.D (-977) (-)



#20

Diisopropyl ether

Concen: 98.407 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Tgt Ion: 45 Resp: 2102982

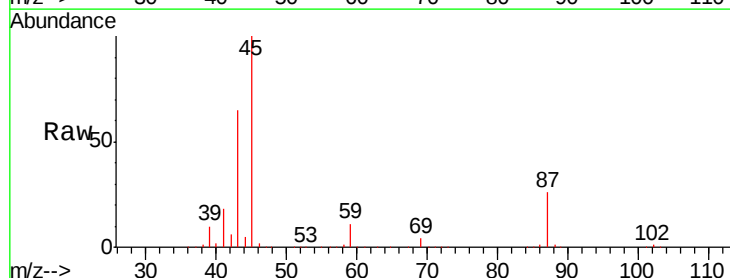
Ion Ratio Lower Upper

45 100

43 64.7 54.1 81.1

87 26.2 21.4 32.2

59 11.0 9.3 13.9

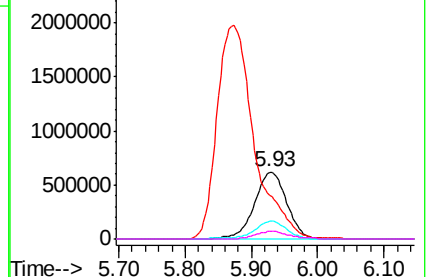
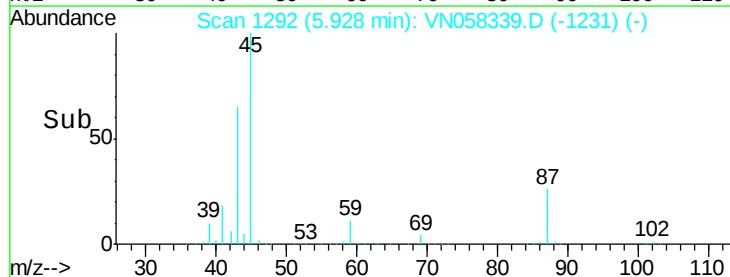


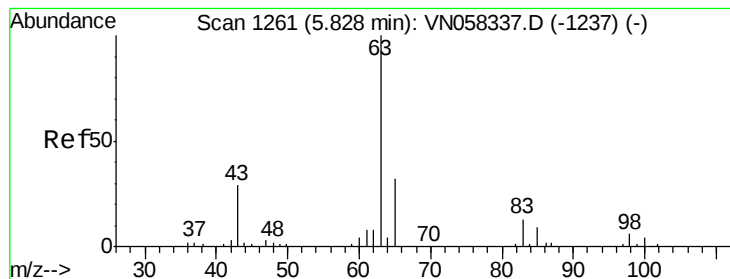
Abundance Ion 45.00 (44.70 to 45.70): VN058339.D (-1231) (-)

Ion 43.00 (42.70 to 43.70): VN058339.D (-1231) (-)

Ion 87.00 (86.70 to 87.70): VN058339.D (-1231) (-)

Ion 59.00 (58.70 to 59.70): VN058339.D (-1231) (-)





#21

1,1-Dichloroethane

Concen: 97.257 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

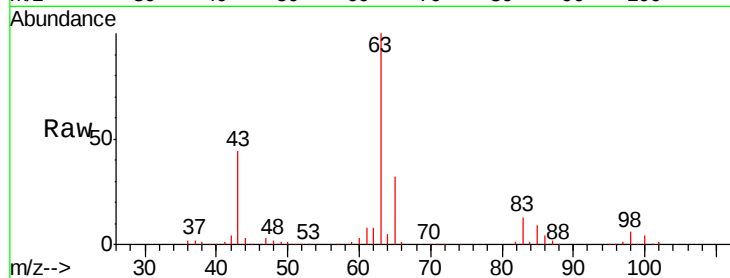
Tgt Ion: 63 Resp: 1145849

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

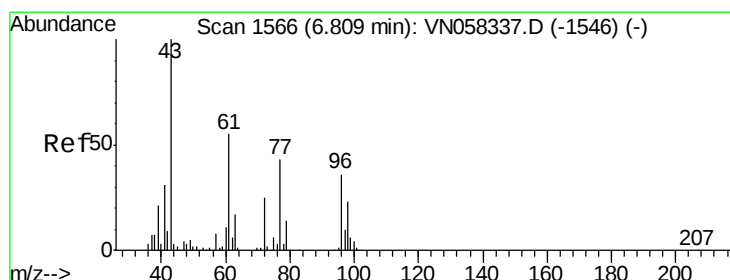
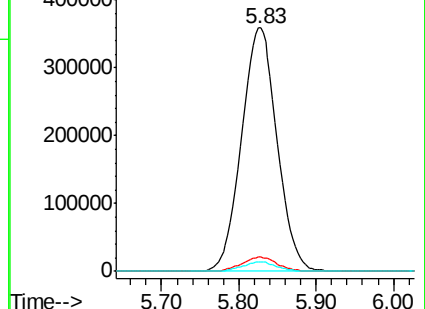
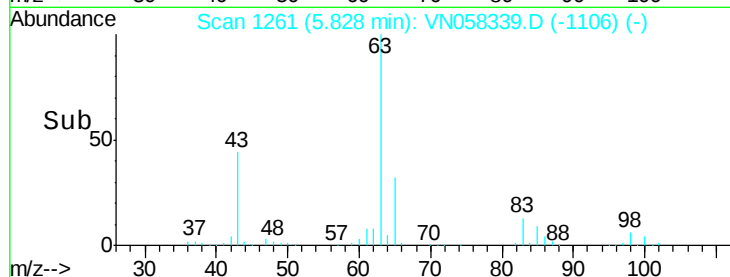
100 3.8 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VN058339.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN058339.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN058339.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 98.086 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

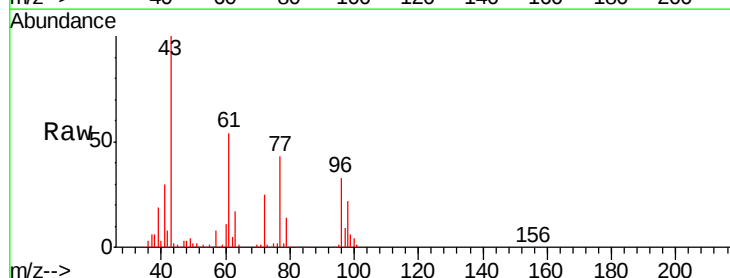
Tgt Ion: 96 Resp: 672254

Ion Ratio Lower Upper

96 100

61 161.6 128.2 192.2

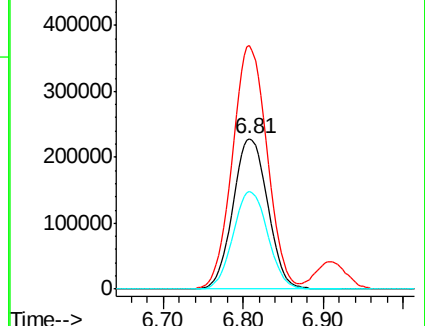
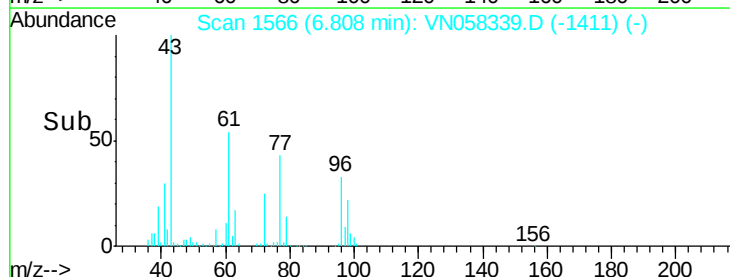
98 64.7 50.6 76.0

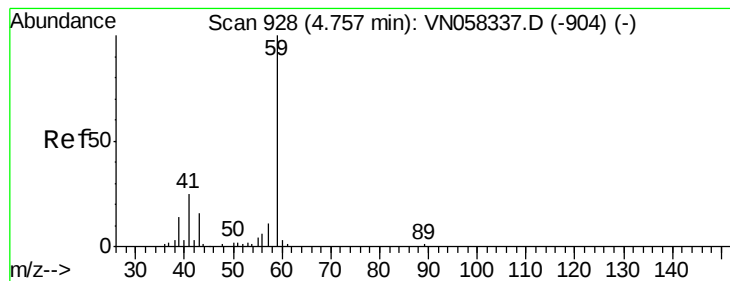


Abundance Ion 96.00 (95.70 to 96.70): VN058339.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN058339.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN058339.D (-1411) (-)



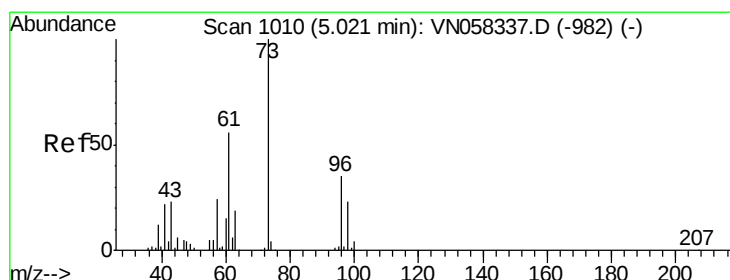
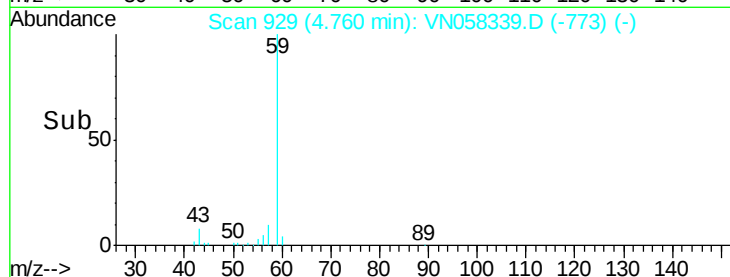
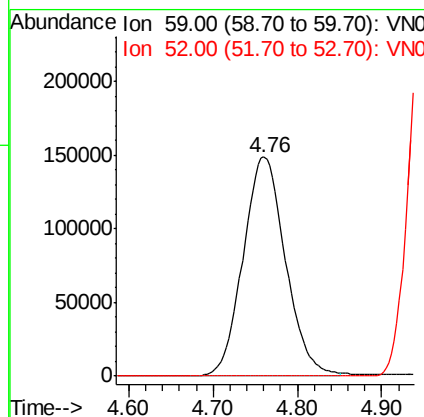
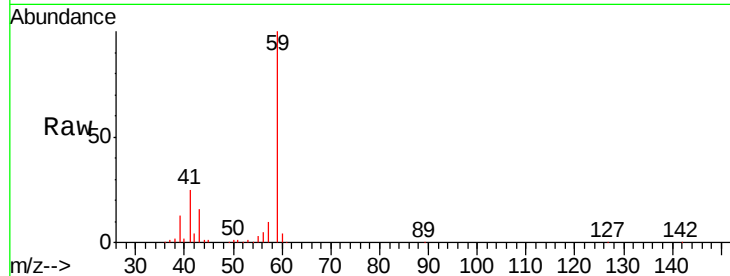


#23

tert-Butyl Alcohol
 Concen: 554.561 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

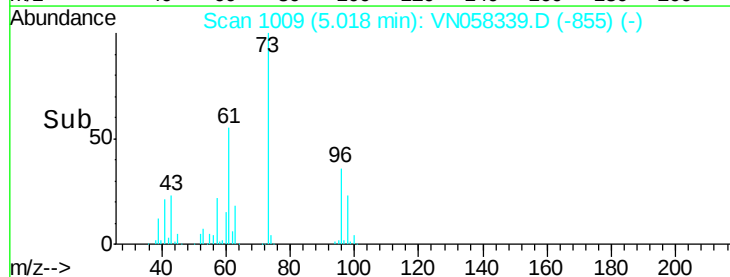
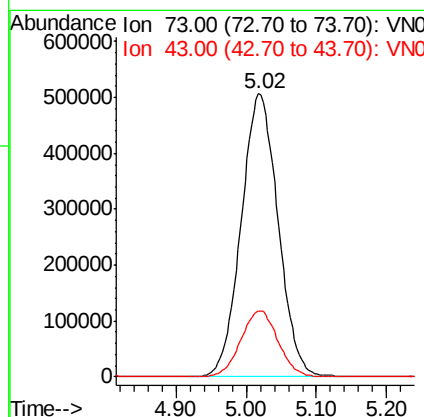
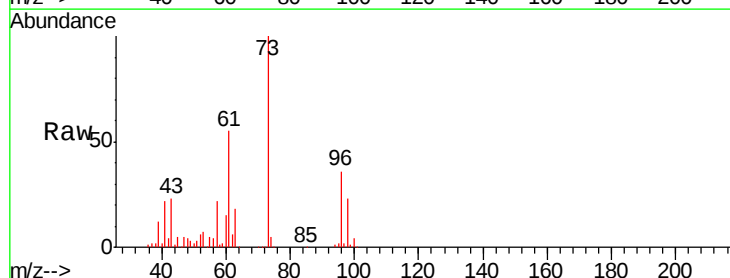
Tgt Ion: 59 Resp: 517967
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

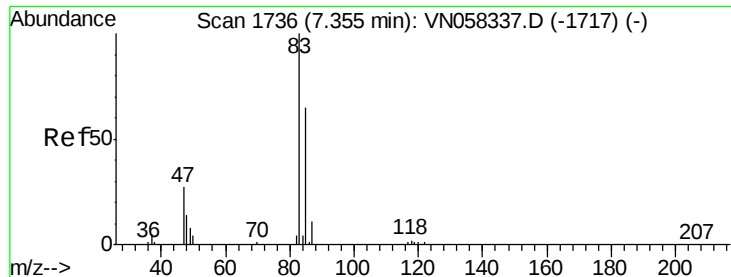


#24

Methyl tert-Butyl Ether
 Concen: 96.611 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 73 Resp: 1849180
 Ion Ratio Lower Upper
 73 100
 43 23.3 18.4 27.6





#25

Chloroform

Concen: 96.512 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

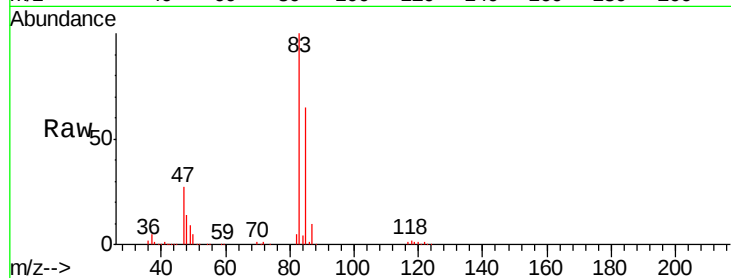
VSTDIC100

Tgt Ion: 83 Resp: 1158791

Ion Ratio Lower Upper

83 100

85 64.6 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VN058339.D (-1581) (-)

Ion 85.00 (84.70 to 85.70): VN058339.D (-1581) (-)

7.36

400000

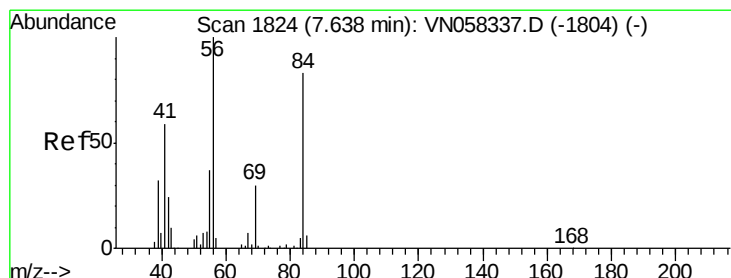
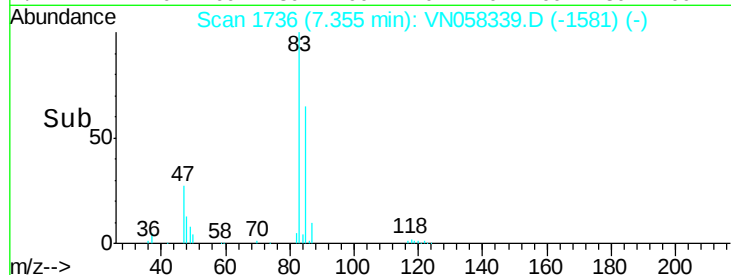
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 107.239 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

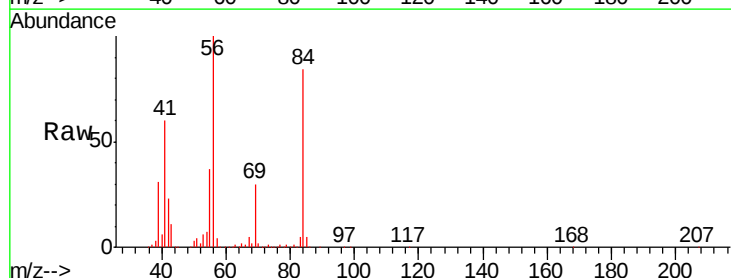
Tgt Ion: 56 Resp: 1089743

Ion Ratio Lower Upper

56 100

89 0.1 0.1 0.1

84 83.0 66.9 100.3



Abundance Ion 56.00 (55.70 to 56.70): VN058339.D (-1669) (-)

Ion 89.00 (88.70 to 89.70): VN058339.D (-1669) (-)

Ion 84.00 (83.70 to 84.70): VN058339.D (-1669) (-)

7.64

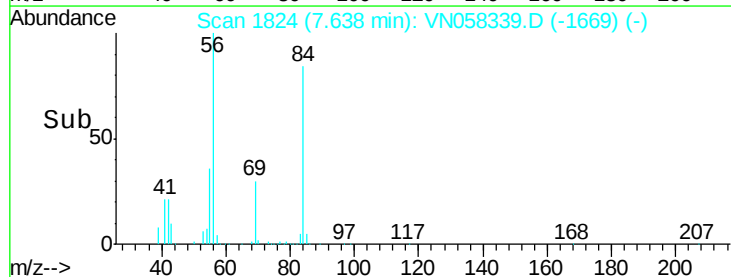
600000

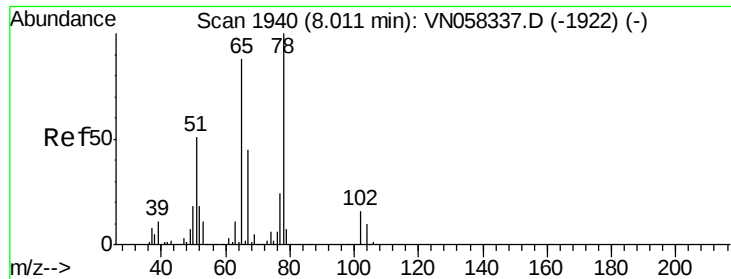
400000

200000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.056 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

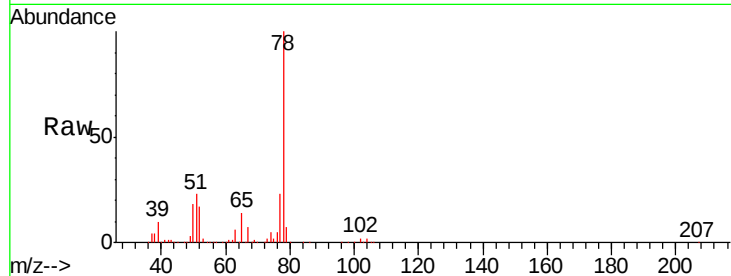
VSTDIC100

Tgt Ion: 65 Resp: 250547

Ion Ratio Lower Upper

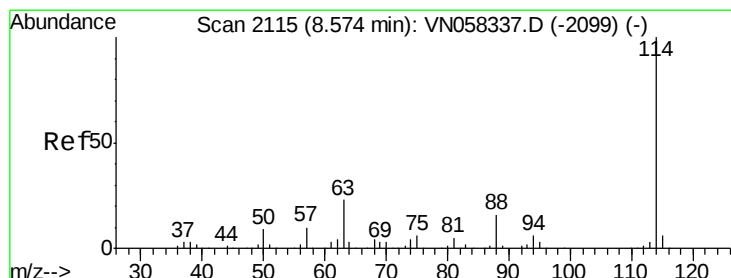
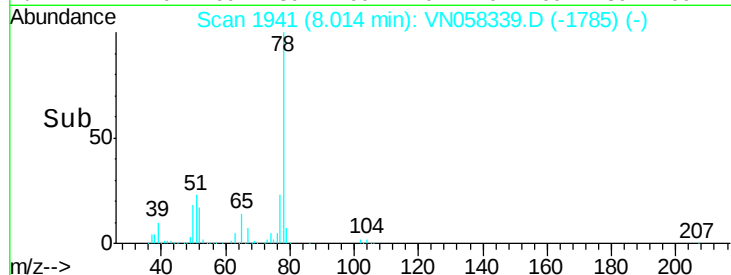
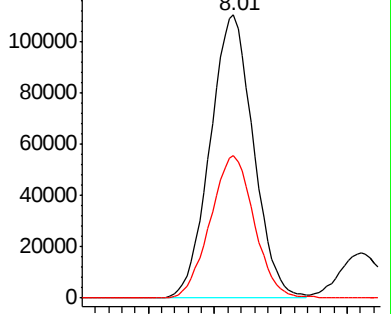
65 100

67 51.0 40.4 60.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

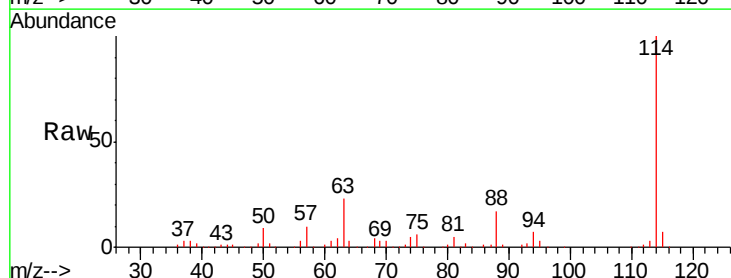
Tgt Ion: 114 Resp: 560804

Ion Ratio Lower Upper

114 100

63 22.0 17.8 26.8

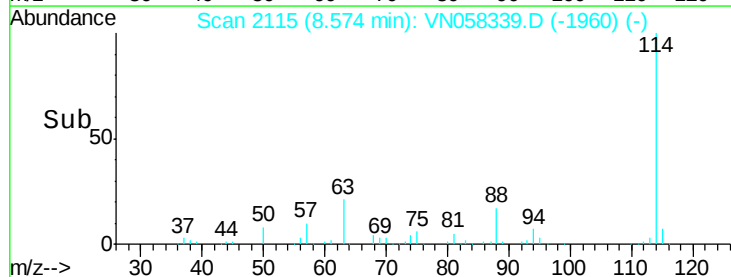
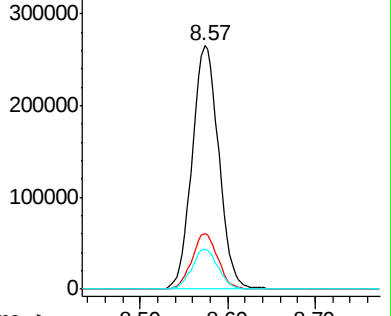
88 16.3 12.7 19.1

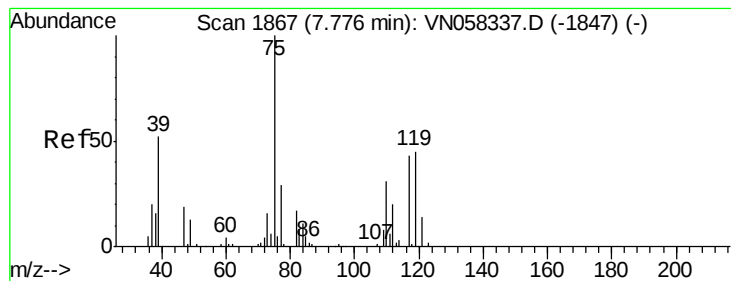


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#29

1,1-Dichloropropene

Concen: 102.374 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

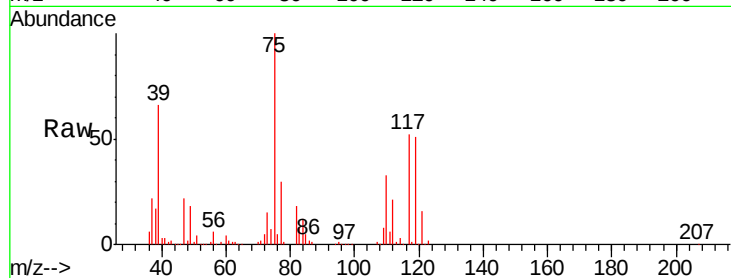
Tgt Ion: 75 Resp: 916032

Ion Ratio Lower Upper

75 100

110 32.3 0.0 63.6

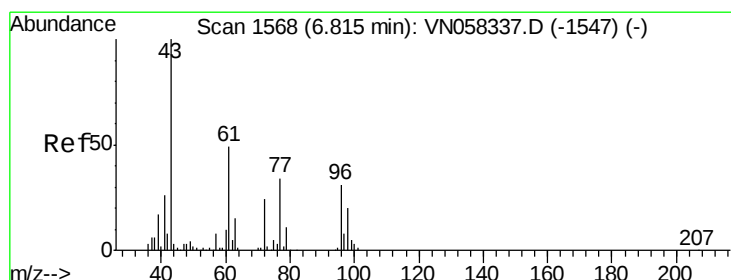
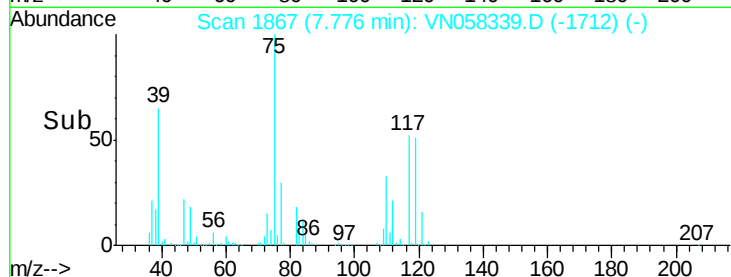
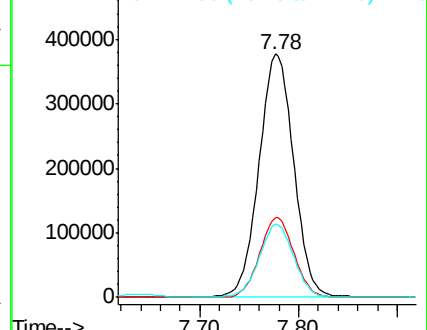
77 29.8 0.0 59.4



Abundance Ion 75.00 (74.70 to 75.70): VN058339.D (-1712) (-)

Ion 110.00 (109.70 to 110.70): VN058339.D (-1712) (-)

Ion 77.00 (76.70 to 77.70): VN058339.D (-1712) (-)



#30

2-Butanone

Concen: 509.969 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

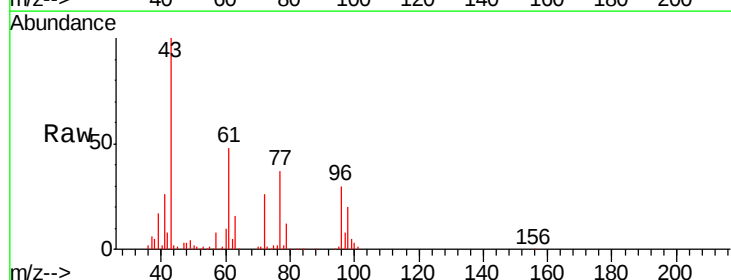
Tgt Ion: 43 Resp: 2049913

Ion Ratio Lower Upper

43 100

57 8.0 6.2 9.4

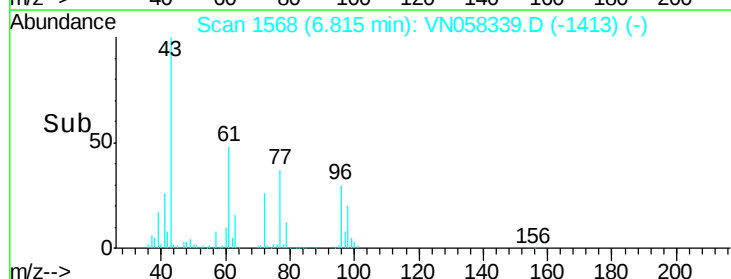
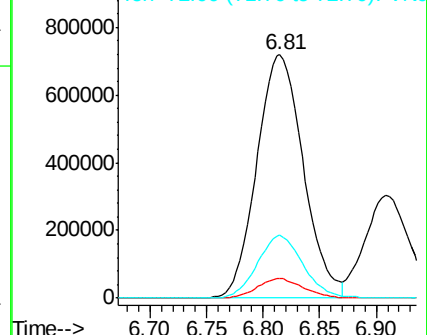
72 25.3 20.3 30.5

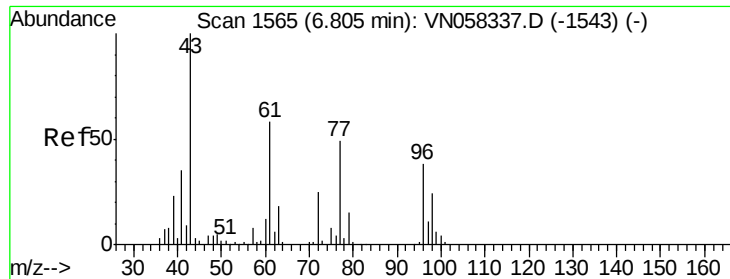


Abundance Ion 43.00 (42.70 to 43.70): VN058339.D (-1413) (-)

Ion 57.00 (56.70 to 57.70): VN058339.D (-1413) (-)

Ion 72.00 (71.70 to 72.70): VN058339.D (-1413) (-)

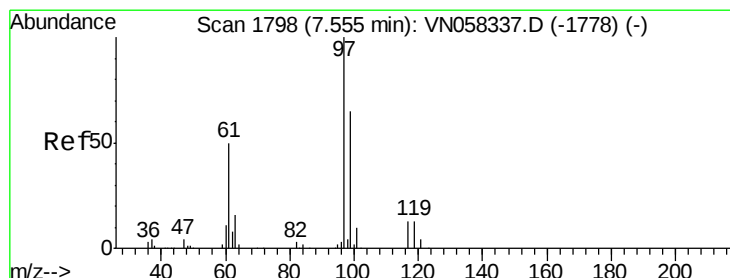
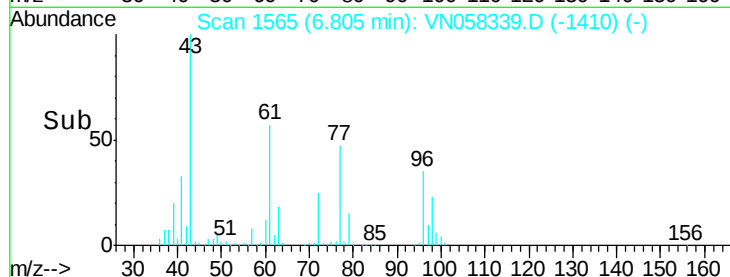
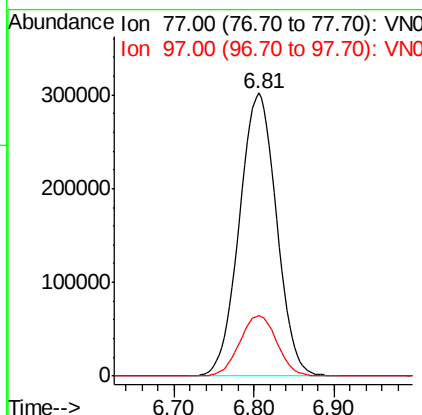
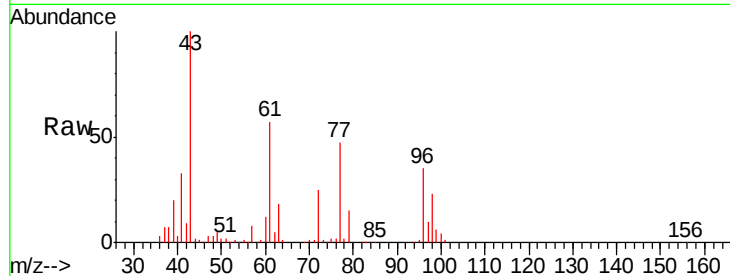




#31
 2,2-Dichloropropane
 Concen: 100.766 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

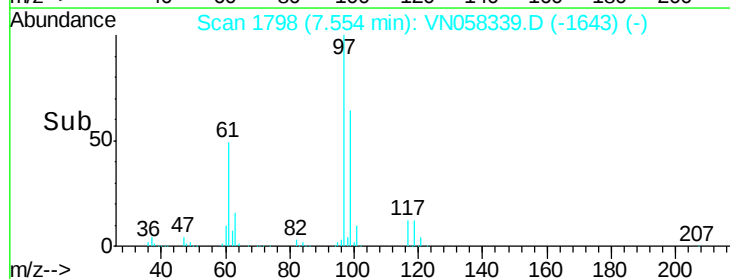
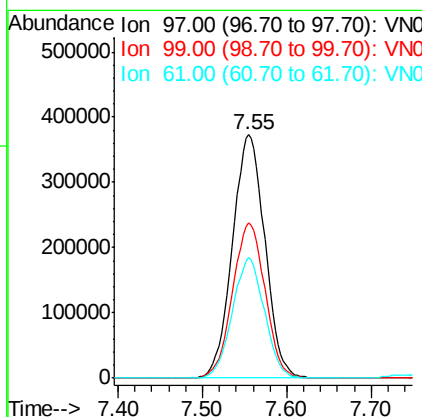
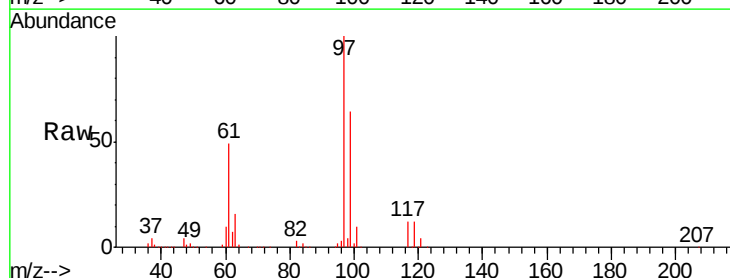
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

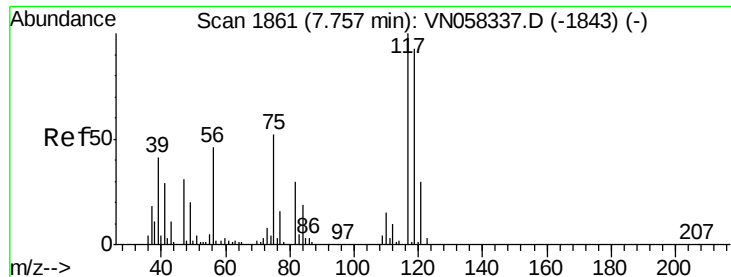
Tgt Ion: 77 Resp: 951007
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 100.369 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 97 Resp: 1000719
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.8 77.6
 61 48.9 39.4 59.2

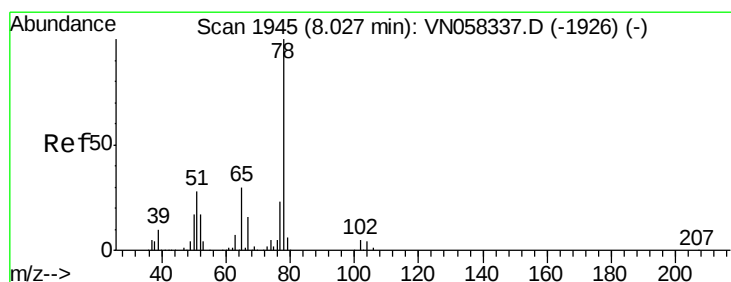
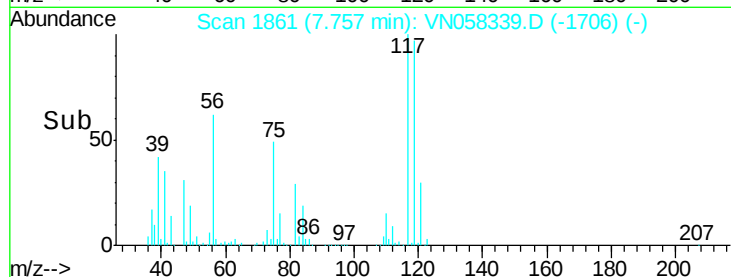
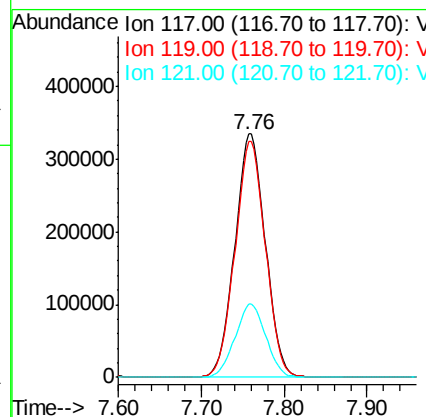
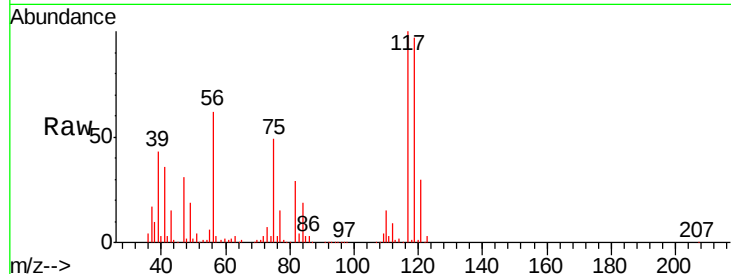




#33
Carbon Tetrachloride
Concen: 103.762 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

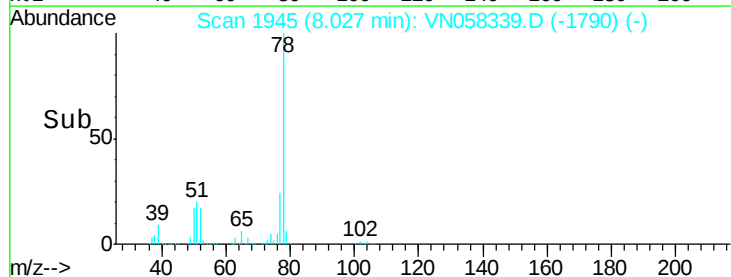
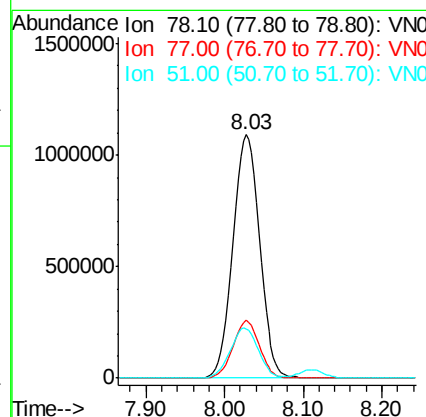
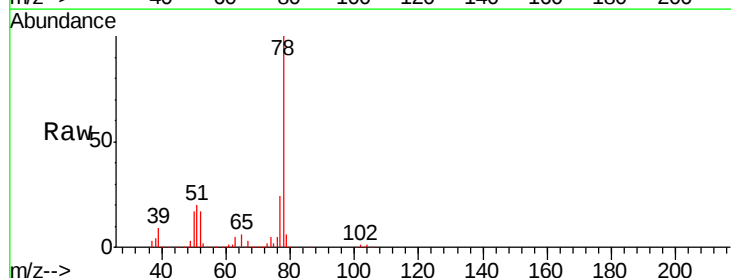
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

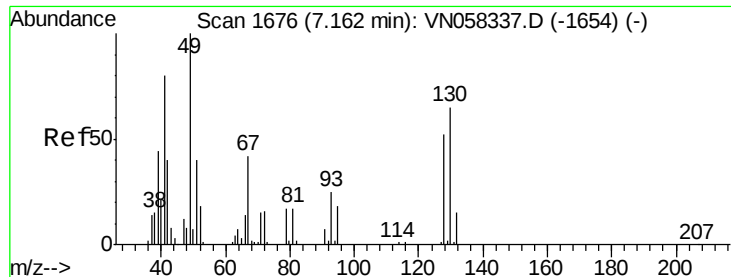
Tgt Ion: 117 Resp: 855813
Ion Ratio Lower Upper
117 100
119 96.8 74.2 111.4
121 29.9 23.9 35.9



#34
Benzene
Concen: 97.992 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 78 Resp: 2577458
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2
51 20.4 22.4 33.6#

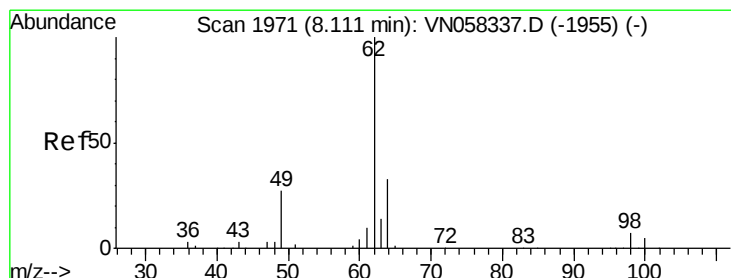
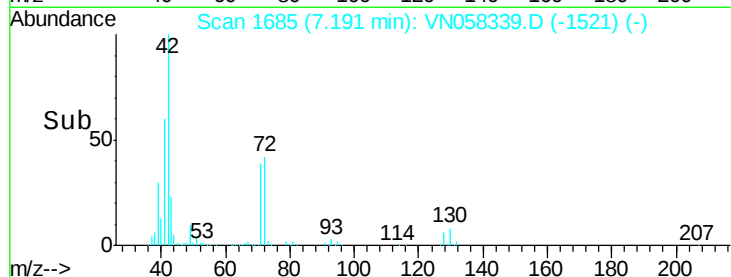
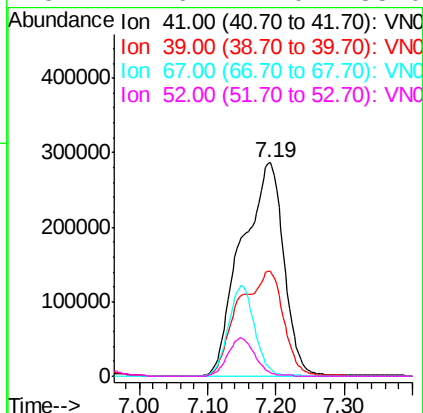
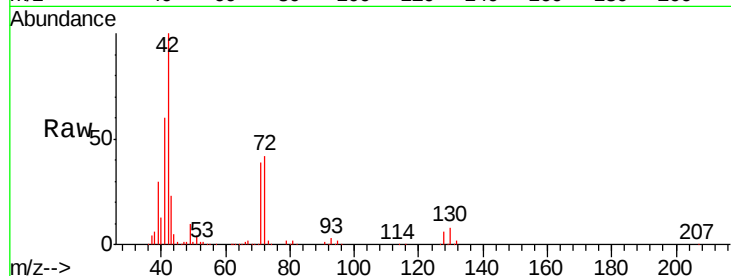




#35
Methacrylonitrile
Concen: 324.490 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

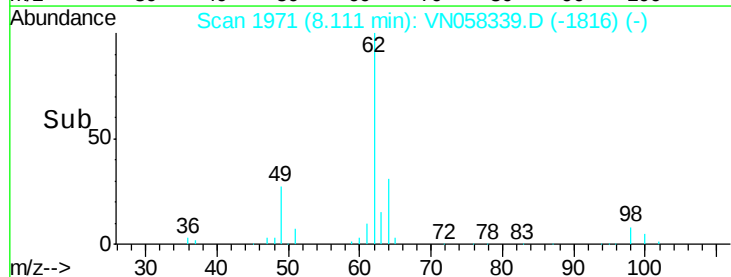
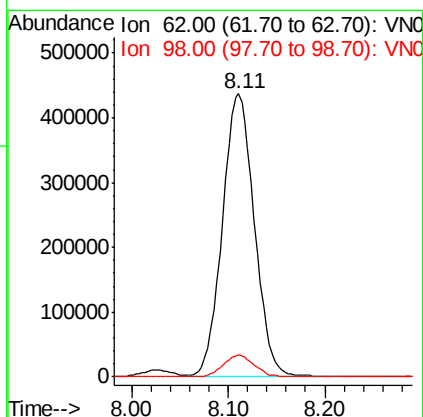
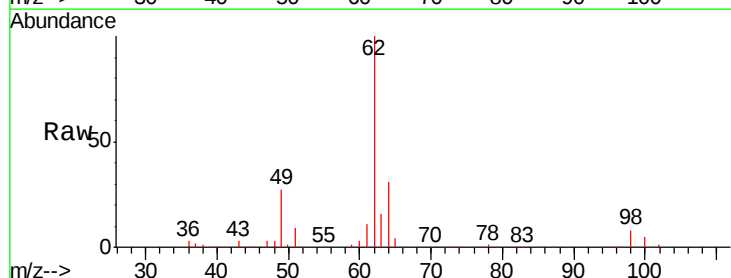
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

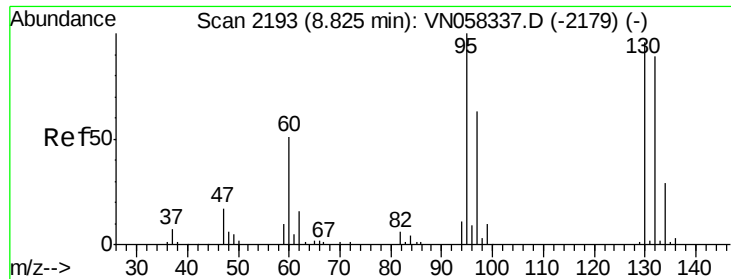
Tgt Ion: 41 Resp: 1231619
Ion Ratio Lower Upper
41 100
39 49.0 27.3 81.9
67 3.6 26.3 78.9#
52 1.6 11.0 33.0#



#36
1,2-Dichloroethane
Concen: 98.425 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 62 Resp: 1003783
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0

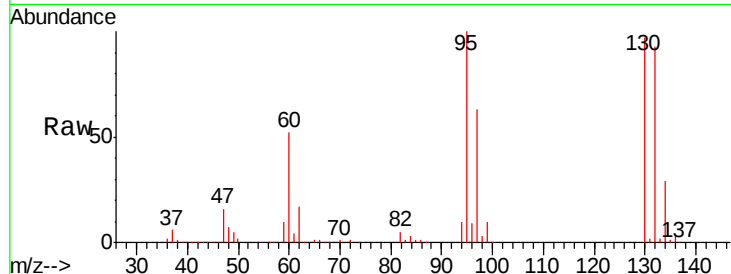




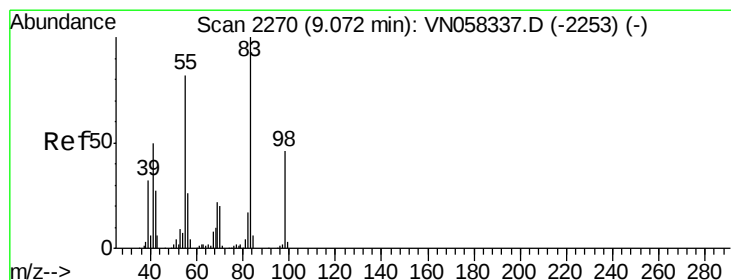
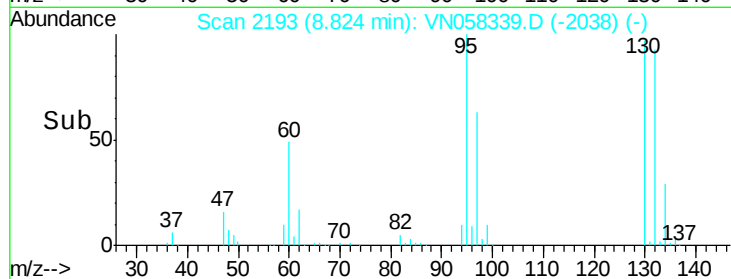
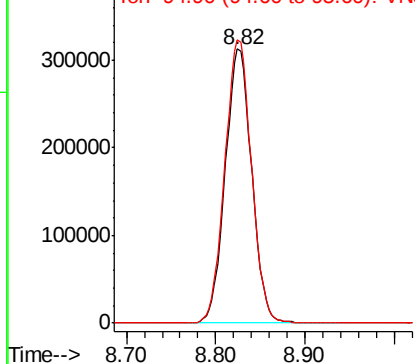
#37
 Trichloroethene
 Concen: 100.366 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:130 Resp: 644981
 Ion Ratio Lower Upper
 130 100
 95 103.2 83.3 124.9

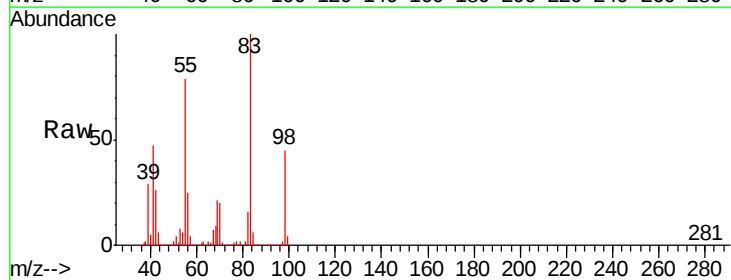


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

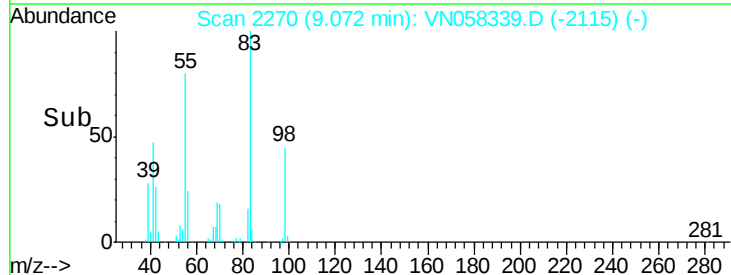
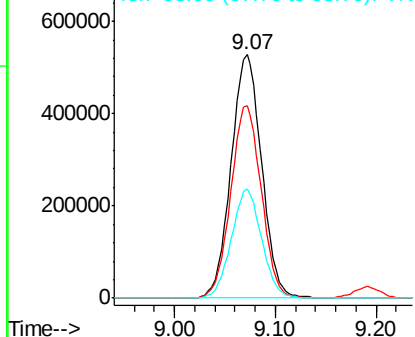


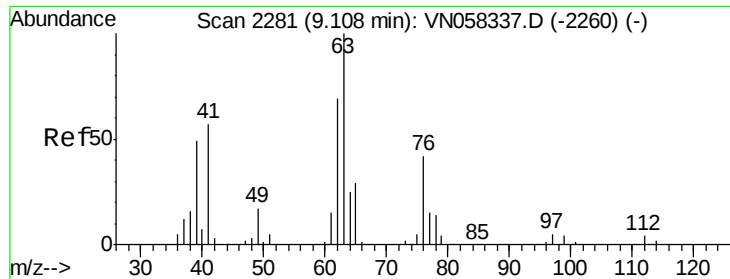
#38
 Methylcyclohexane
 Concen: 108.077 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 83 Resp: 1111599
 Ion Ratio Lower Upper
 83 100
 55 79.0 40.5 121.4
 98 44.3 23.1 69.2



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

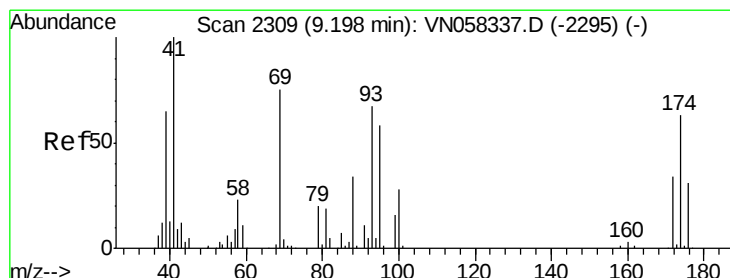
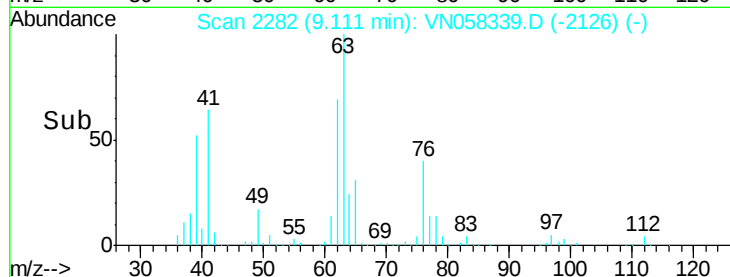
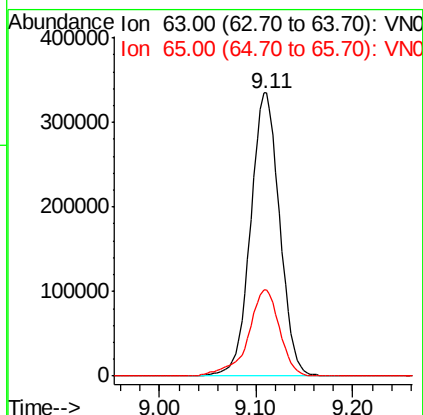
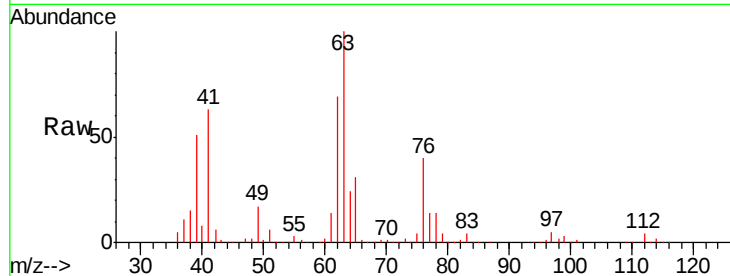




#39
 1,2-Dichloropropane
 Concen: 95.254 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

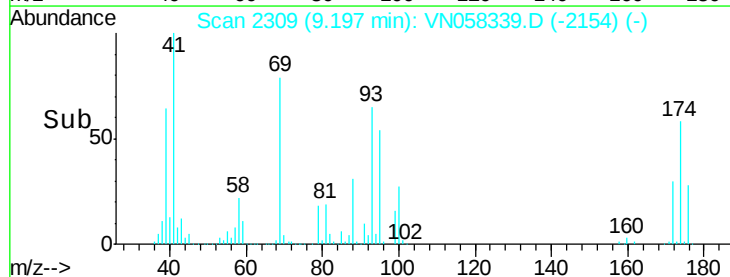
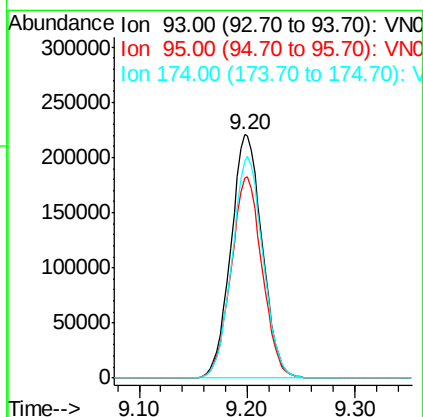
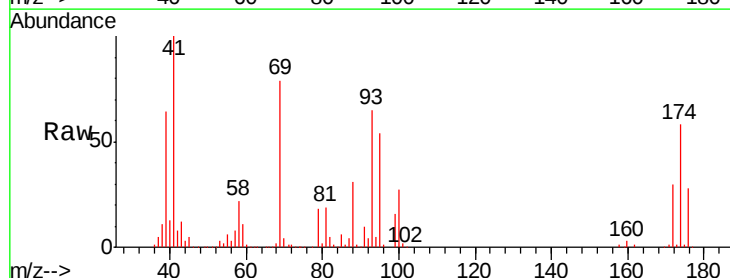
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

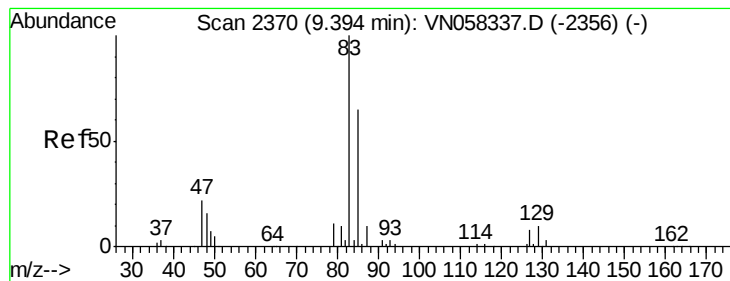
Tgt Ion: 63 Resp: 698575
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.4 35.0



#40
 Dibromomethane
 Concen: 99.690 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 93 Resp: 447283
 Ion Ratio Lower Upper
 93 100
 95 82.1 0.0 166.8
 174 89.7 0.0 187.2





#41

Bromodichloromethane

Concen: 100.548 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

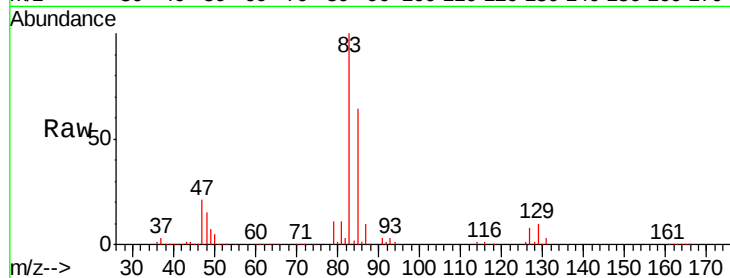
Tgt Ion: 83 Resp: 910006

Ion Ratio Lower Upper

83 100

85 63.9 52.0 78.0

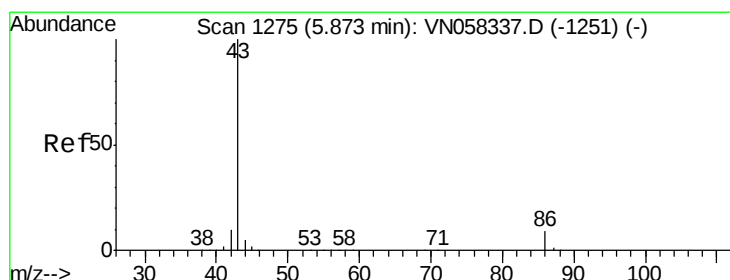
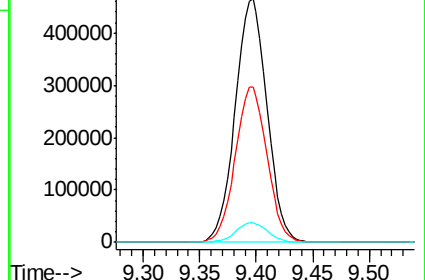
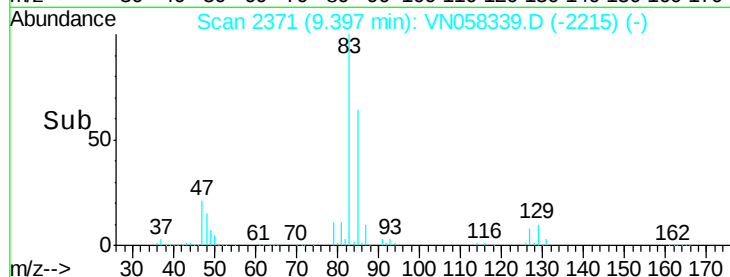
127 8.2 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 477.194 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058339.D

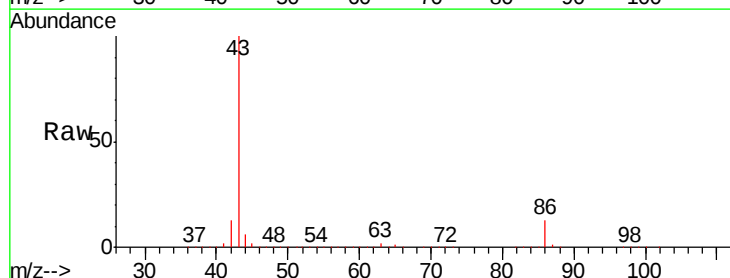
Acq: 24 Sep 2019 11:14

Tgt Ion: 43 Resp: 7690507

Ion Ratio Lower Upper

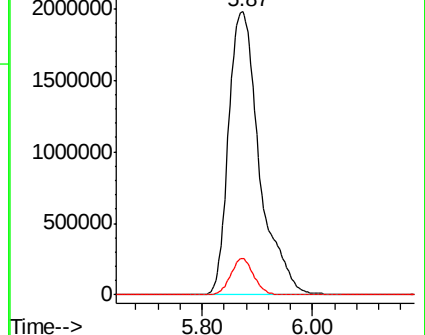
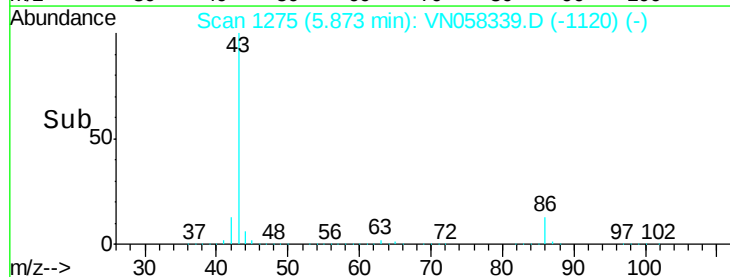
43 100

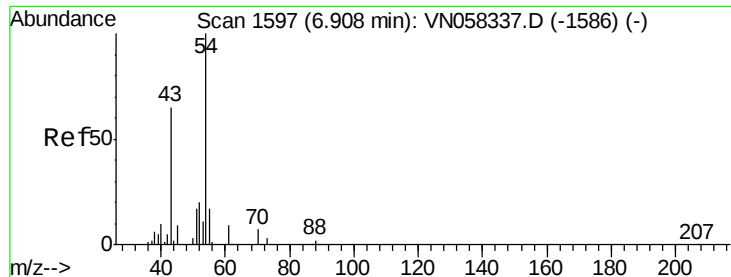
86 9.6 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 104.112 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

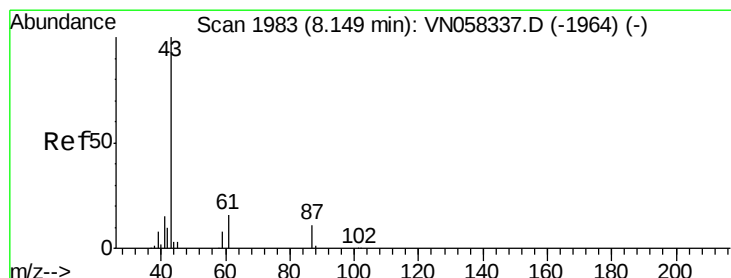
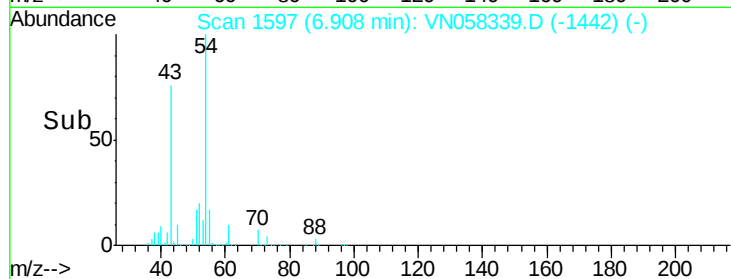
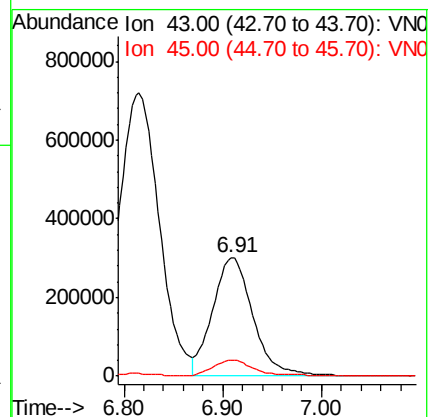
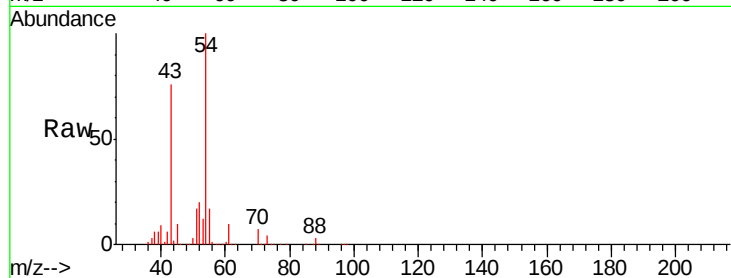
VSTDIC100

Tgt Ion: 43 Resp: 846645

Ion Ratio Lower Upper

43 100

45 14.2 9.8 14.6



#44

Isopropyl Acetate

Concen: 103.694 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058339.D

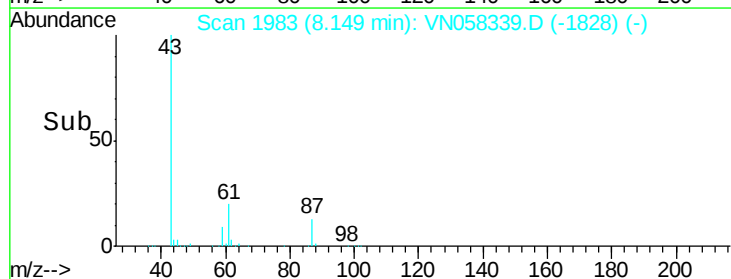
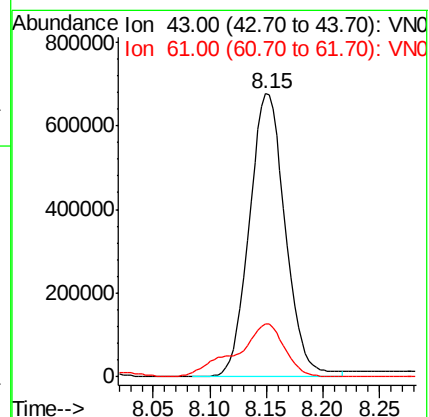
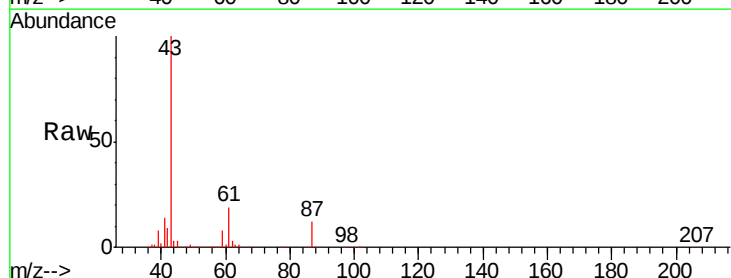
Acq: 24 Sep 2019 11:14

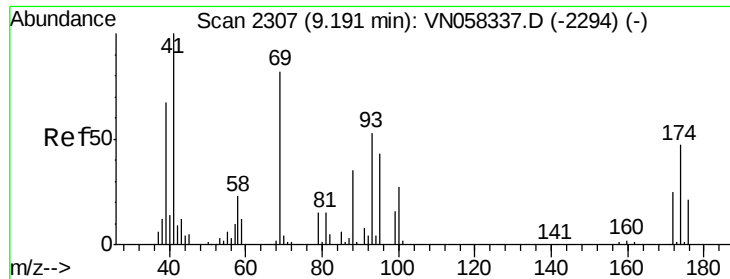
Tgt Ion: 43 Resp: 1496170

Ion Ratio Lower Upper

43 100

61 25.0 14.4 21.6#

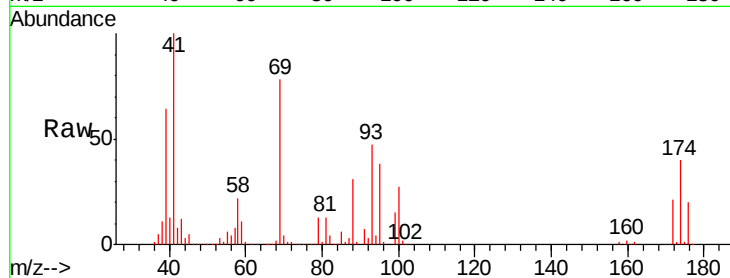




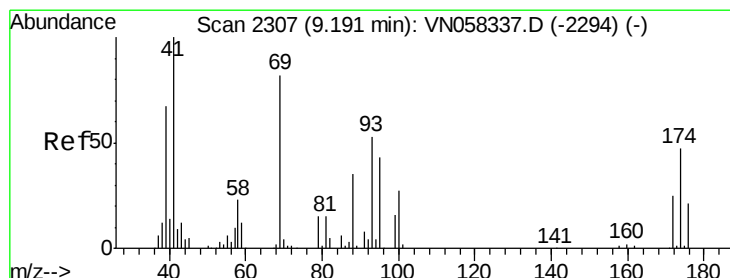
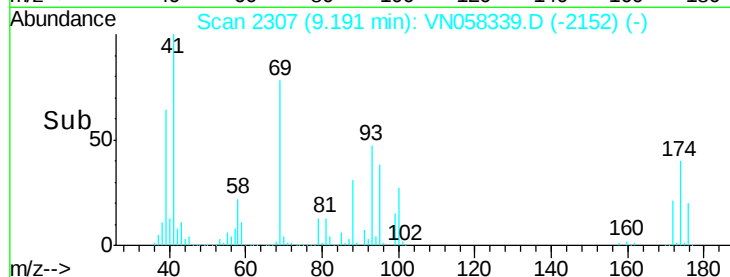
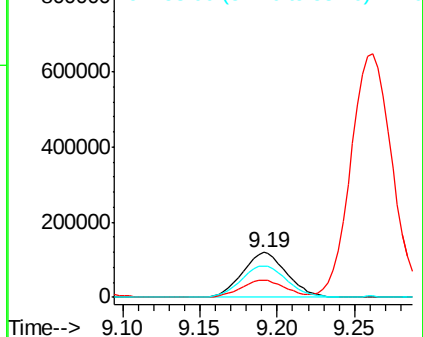
#45
 1,4-Dioxane
 Concen: 2061.395 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 237846
 Ion Ratio Lower Upper
 88 100
 43 37.5 27.2 40.8
 58 72.5 55.4 83.0

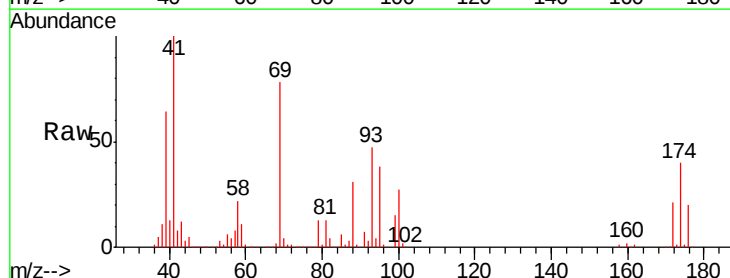


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

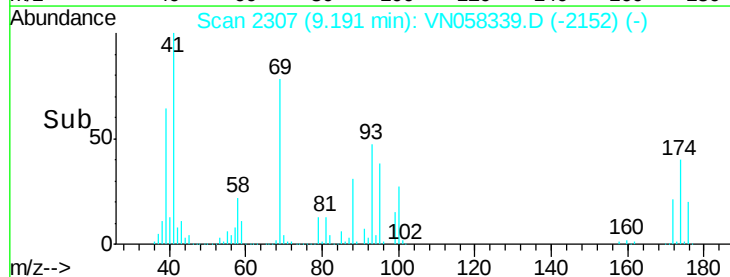
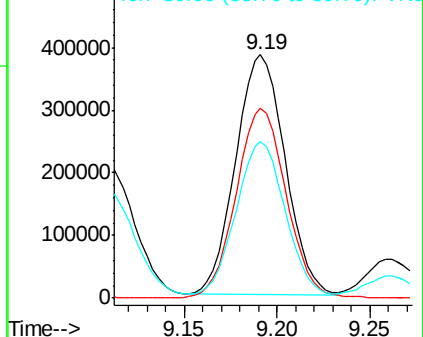


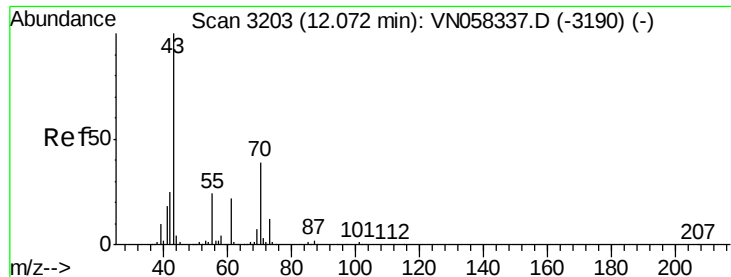
#46
 Methyl methacrylate
 Concen: 102.401 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 41 Resp: 714350
 Ion Ratio Lower Upper
 41 100
 69 78.8 40.9 122.7
 39 63.8 33.6 100.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

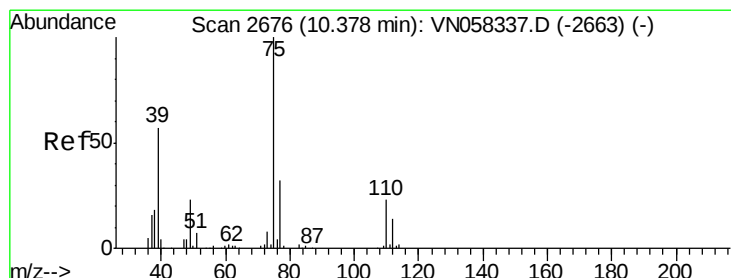
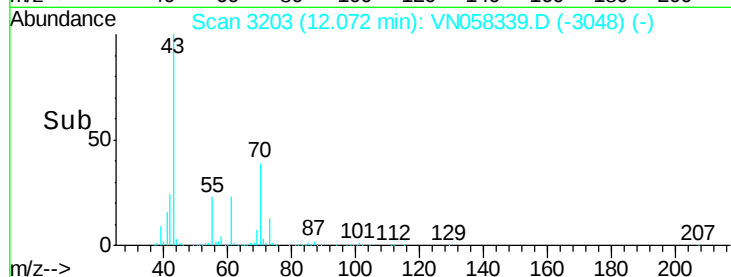
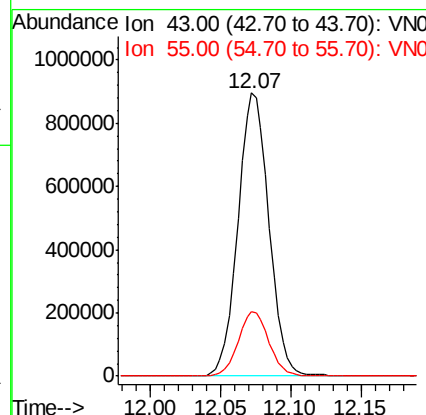
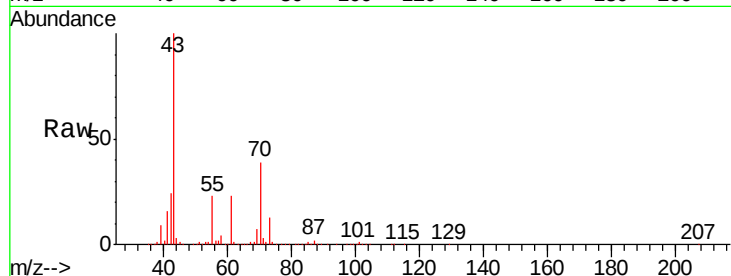




#47
n-amyl Acetate
Concen: 105.115 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

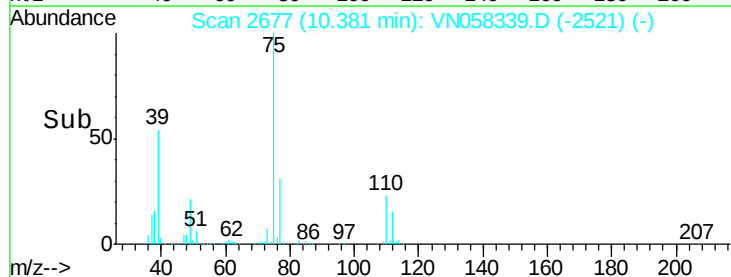
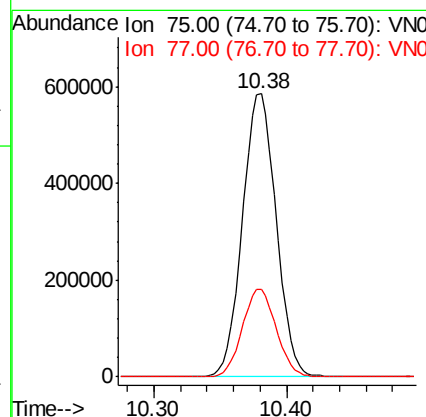
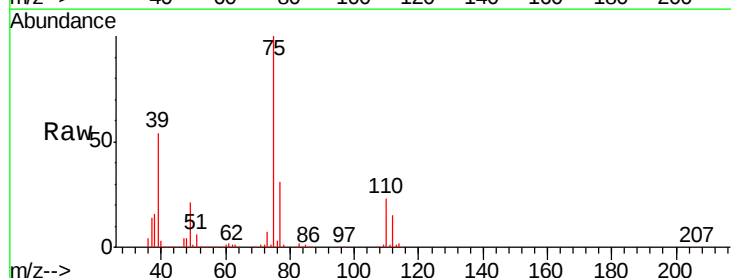
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

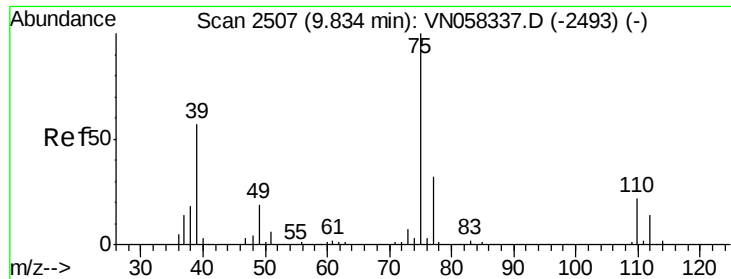
Tgt Ion: 43 Resp: 1374202
Ion Ratio Lower Upper
43 100
55 22.8 19.0 28.4



#48
t-1,3-Dichloropropene
Concen: 106.756 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 75 Resp: 1034358
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0

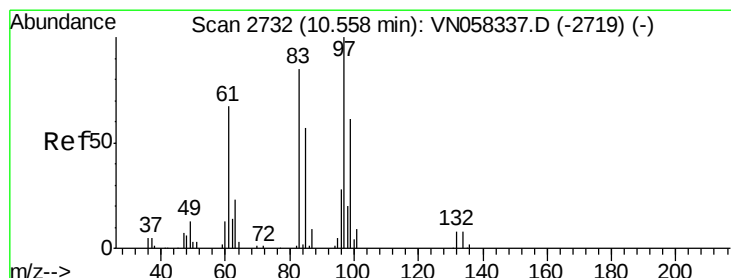
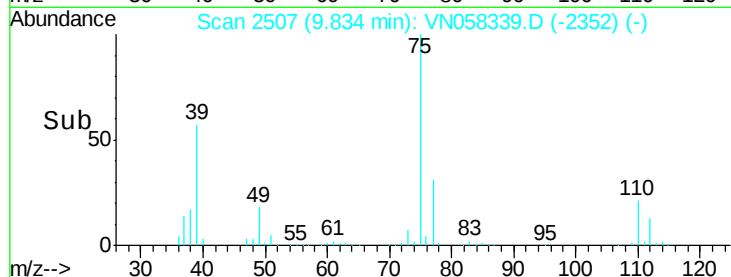
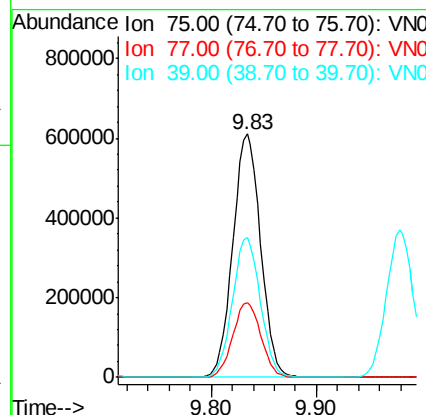
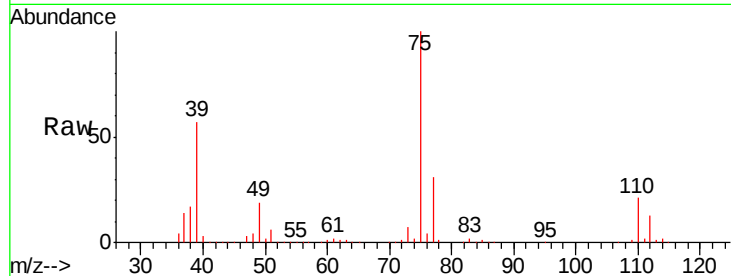




#49
 cis-1,3-Dichloropropene
 Concen: 102.217 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

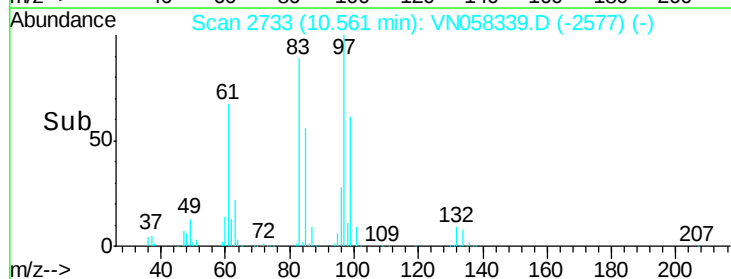
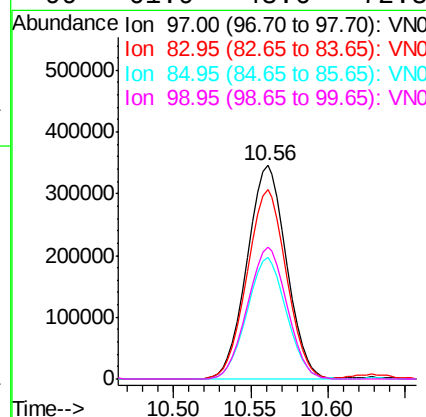
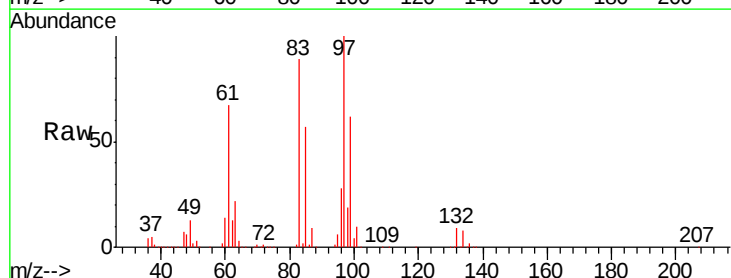
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

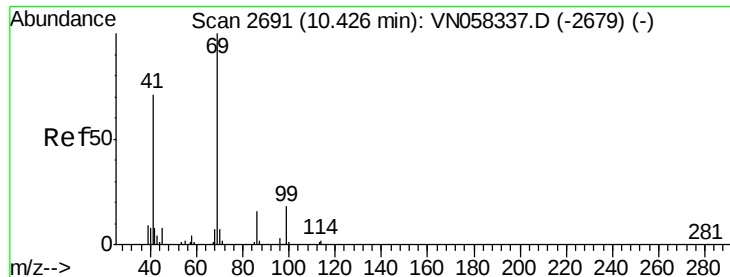
Tgt Ion: 75 Resp: 1113213
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.2 37.8
 39 57.3 45.8 68.6



#50
 1,1,2-Trichloroethane
 Concen: 95.183 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 97 Resp: 615841
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.8 101.6
 85 56.7 45.8 68.6
 99 61.9 48.6 72.8





#51

Ethyl methacrylate

Concen: 102.140 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

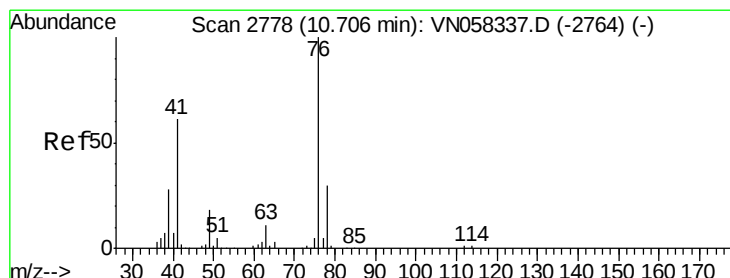
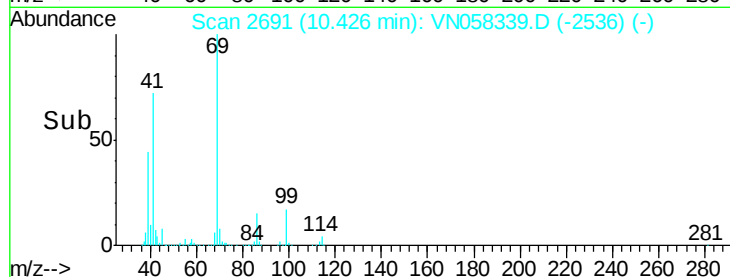
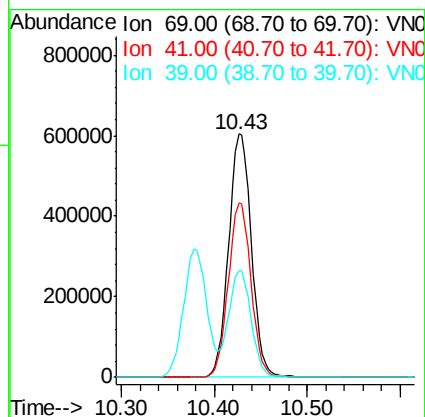
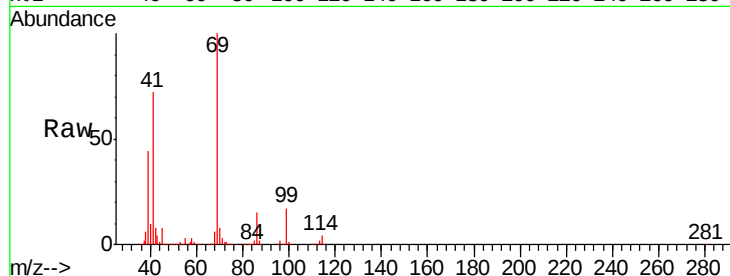
Tgt Ion: 69 Resp: 1030394

Ion Ratio Lower Upper

69 100

41 71.7 35.4 106.1

39 43.8 23.5 70.5



#52

1,3-Dichloropropane

Concen: 97.356 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058339.D

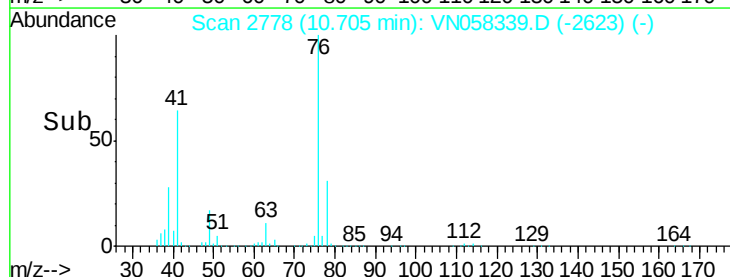
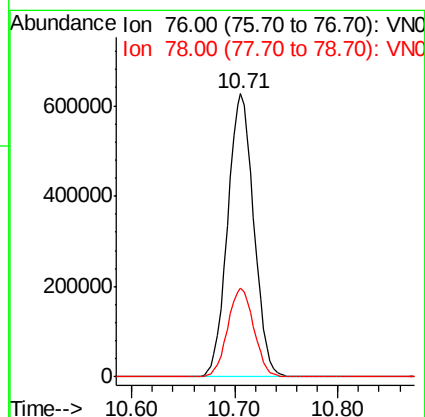
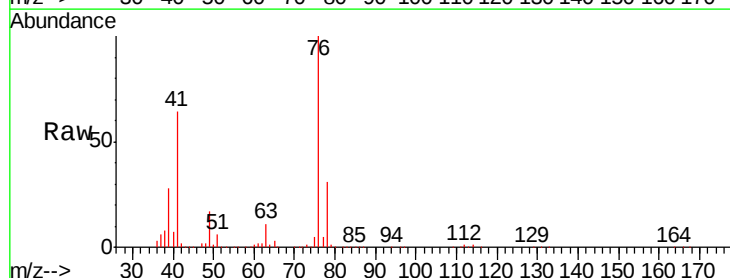
Acq: 24 Sep 2019 11:14

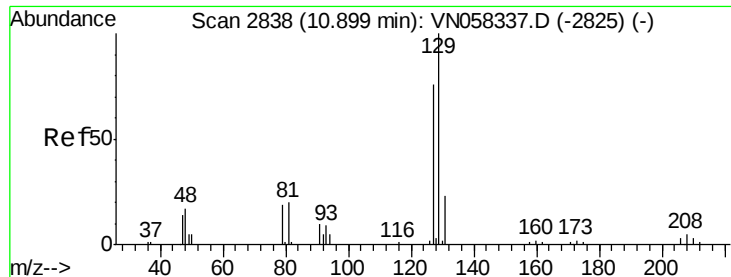
Tgt Ion: 76 Resp: 1107243

Ion Ratio Lower Upper

76 100

78 31.6 0.0 63.0





#53

Dibromochloromethane

Concen: 103.442 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

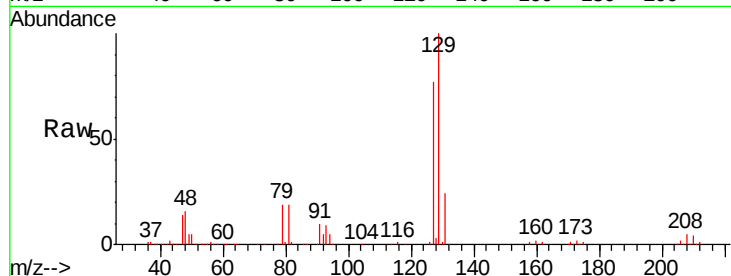
VSTDIC100

Tgt Ion:129 Resp: 668343

Ion Ratio Lower Upper

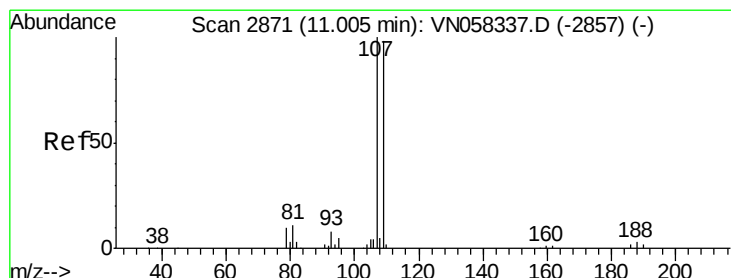
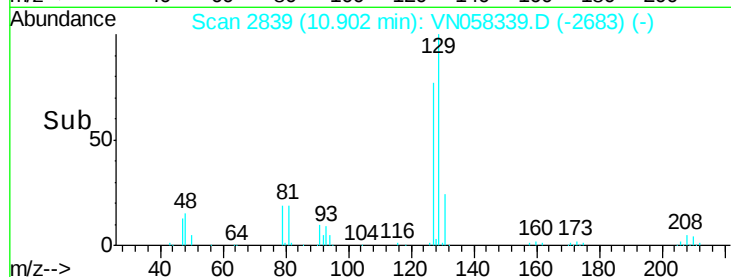
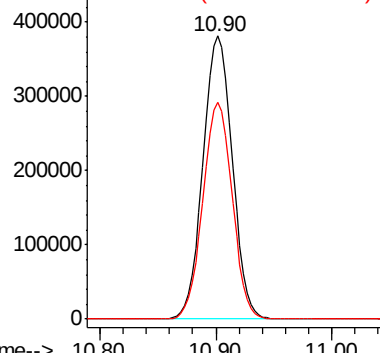
129 100

127 76.7 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: 99.520 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058339.D

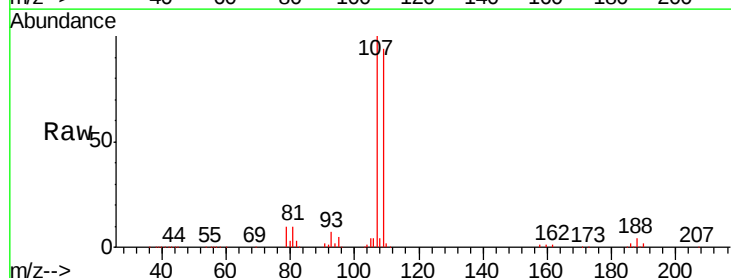
Acq: 24 Sep 2019 11:14

Tgt Ion:107 Resp: 644959

Ion Ratio Lower Upper

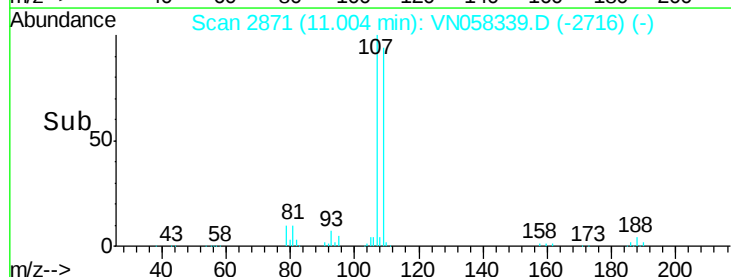
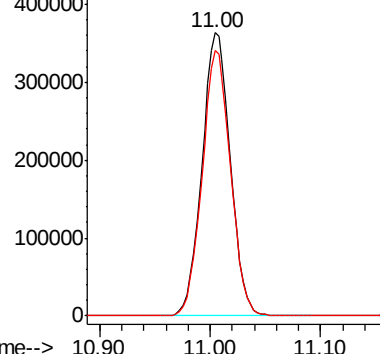
107 100

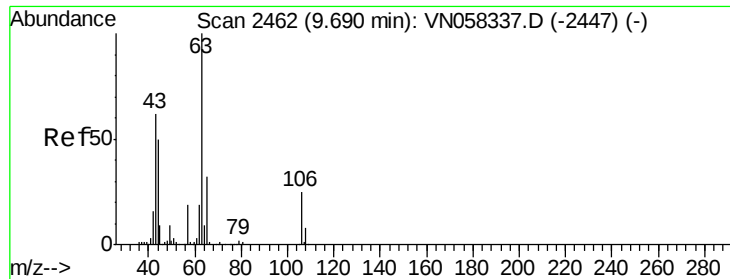
109 93.9 76.5 114.7



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: 476.428 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

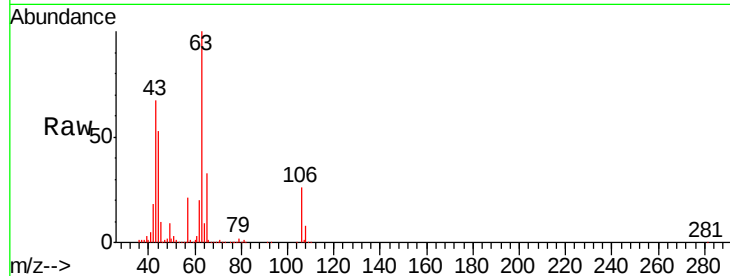
Tgt Ion: 63 Resp: 2208523

Ion Ratio Lower Upper

63 100

65 32.7 25.4 38.2

106 25.5 20.4 30.6

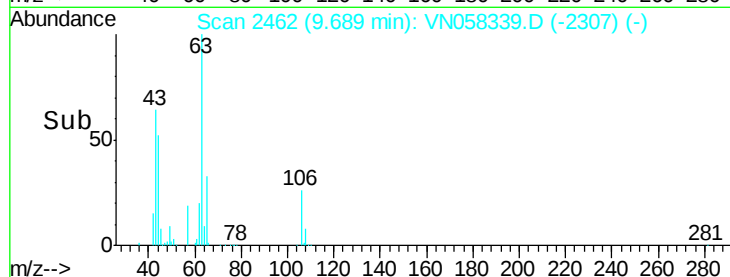


Abundance Ion 63.00 (62.70 to 63.70): VN058337.D (-2447) (-)

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

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

Time-->

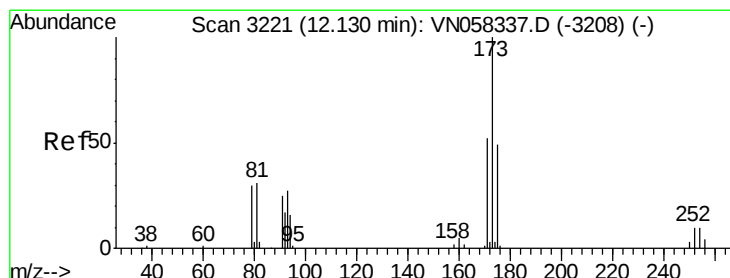


Abundance Ion 63.00 (62.70 to 63.70): VN058339.D (-2307) (-)

Ion 65.00 (64.70 to 65.70): VN058339.D (-2307) (-)

Ion 106.00 (105.70 to 106.70): VN058339.D (-2307) (-)

Time-->



#56

Bromoform

Concen: 109.592 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

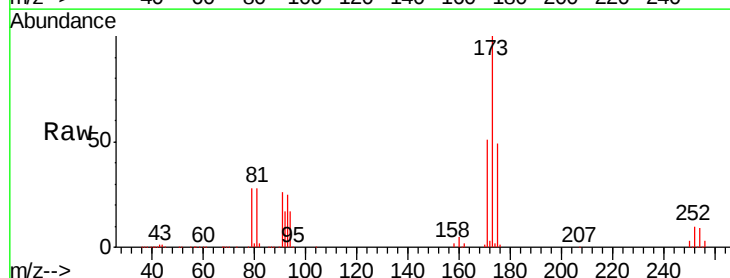
Tgt Ion: 173 Resp: 438423

Ion Ratio Lower Upper

173 100

175 49.0 38.8 58.2

254 9.6 7.8 11.8

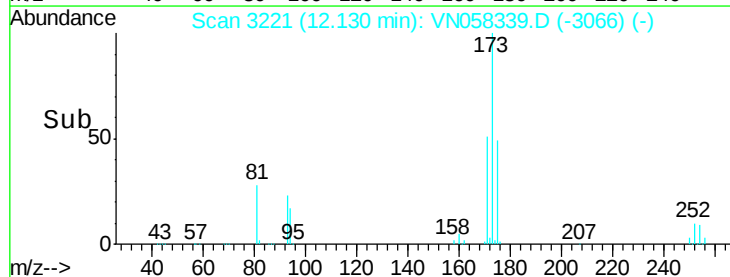


Abundance Ion 173.00 (172.70 to 173.70): VN058337.D (-3208) (-)

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

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

Time-->

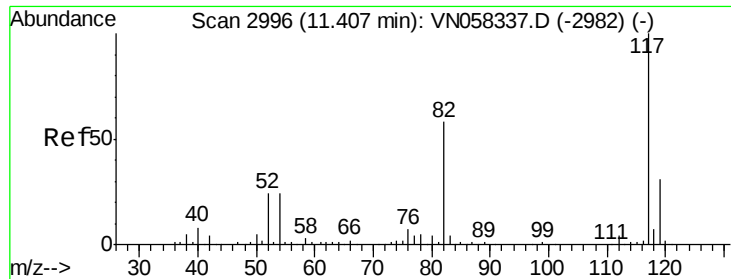


Abundance Ion 173.00 (172.70 to 173.70): VN058339.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN058339.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN058339.D (-3066) (-)

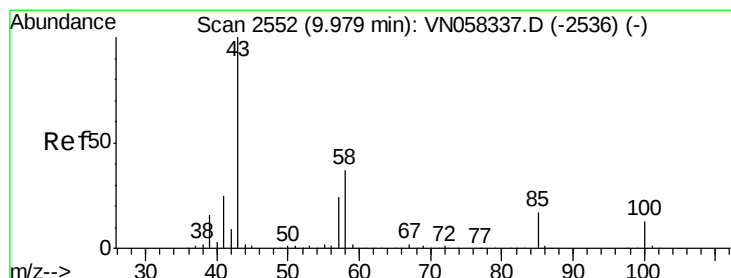
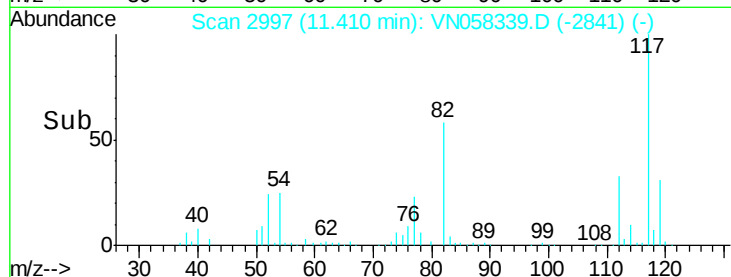
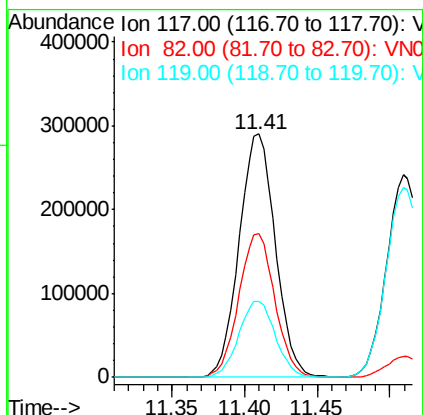
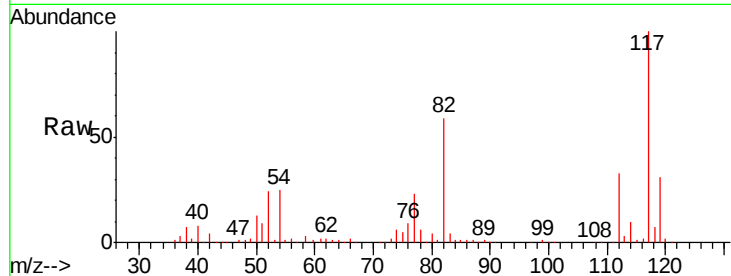
Time-->



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

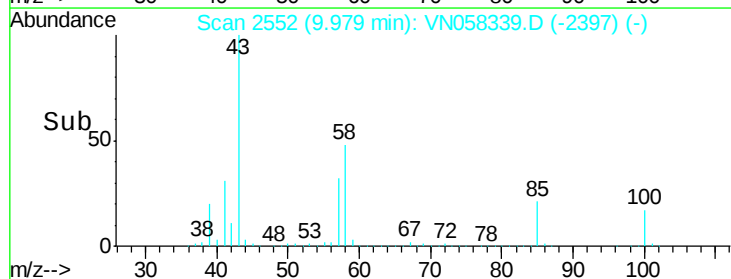
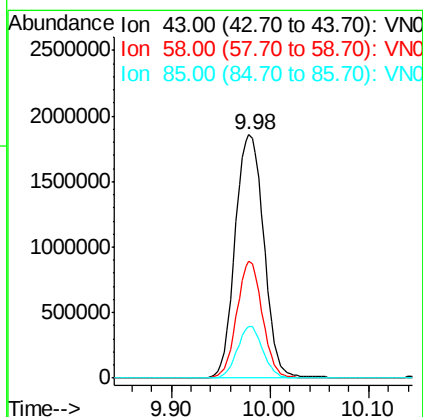
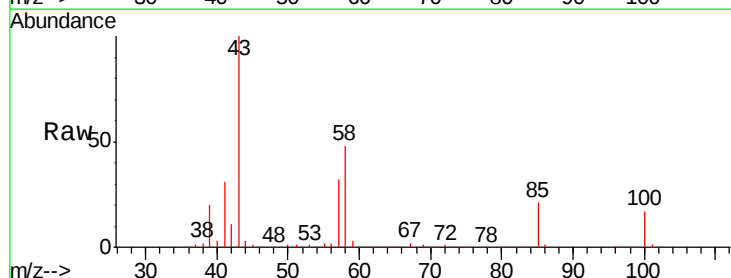
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

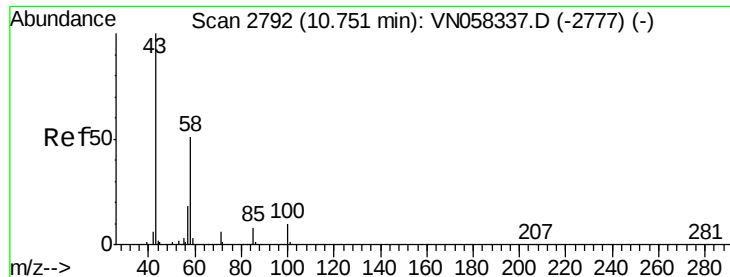
Tgt Ion: 117 Resp: 504931
Ion Ratio Lower Upper
117 100
82 58.8 46.4 69.6
119 31.7 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 475.303 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 43 Resp: 3753233
Ion Ratio Lower Upper
43 100
58 42.8 29.3 43.9
85 18.9 13.1 19.7

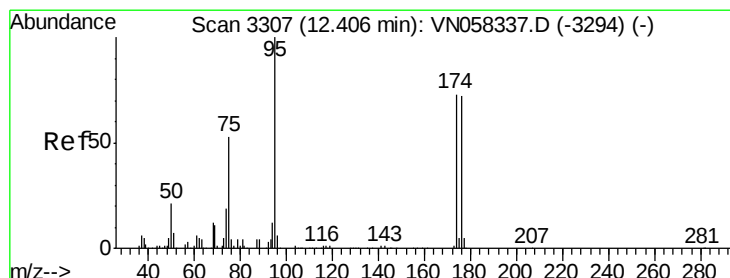
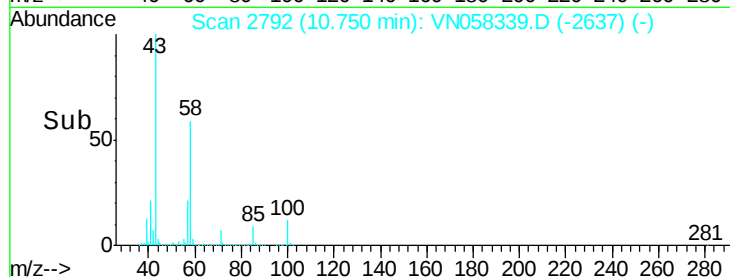
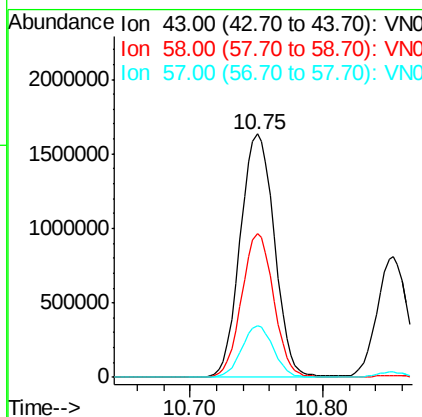
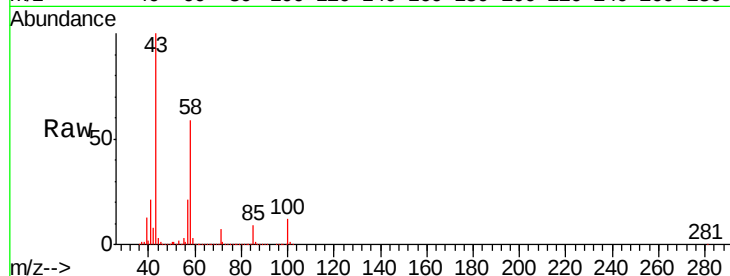




#59
2-Hexanone
Concen: 492.973 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

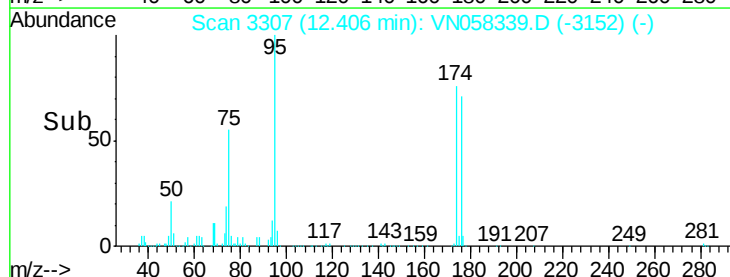
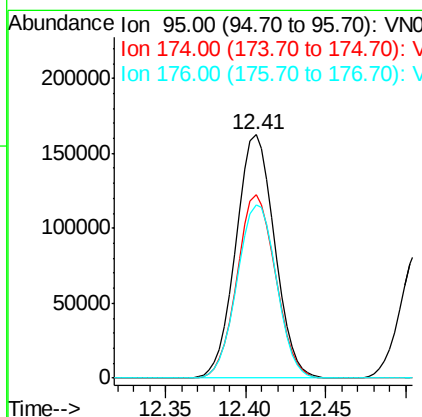
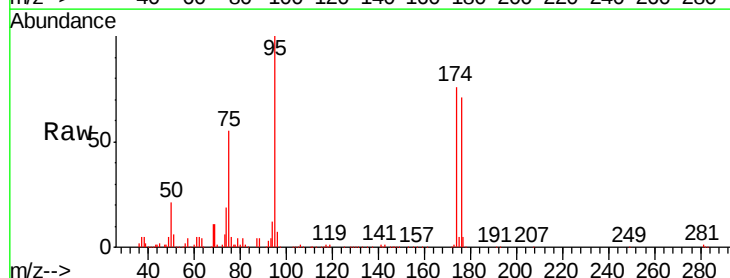
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

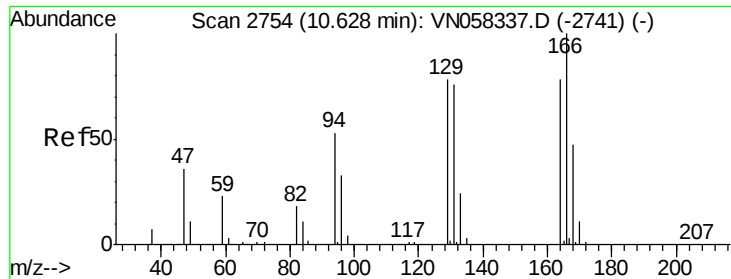
Tgt Ion: 43 Resp: 2923807
Ion Ratio Lower Upper
43 100
58 55.6 40.7 61.1
57 19.9 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 30.870 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion: 95 Resp: 267955
Ion Ratio Lower Upper
95 100
174 75.0 59.0 88.6
176 72.5 58.2 87.2





#61

Tetrachloroethene

Concen: 102.334 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 530903

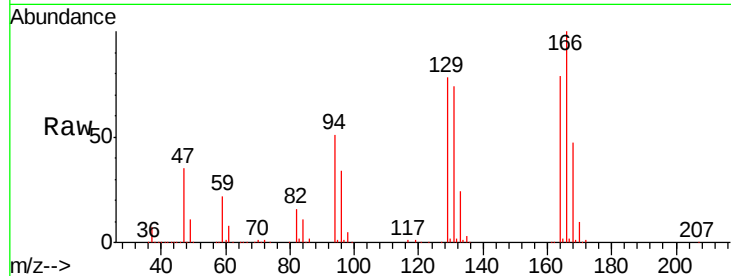
Ion Ratio Lower Upper

164 100

166 127.3 102.6 154.0

129 99.3 79.8 119.6

131 94.8 78.1 117.1

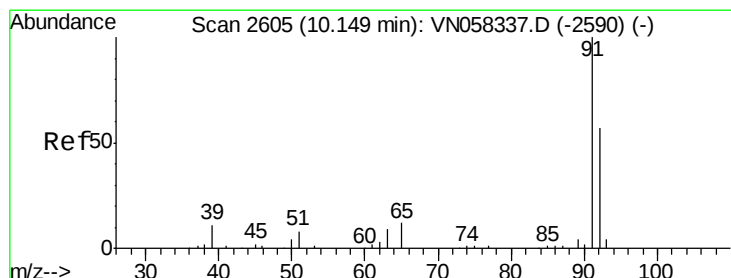
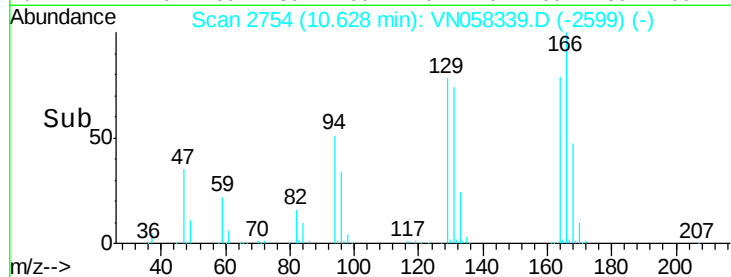
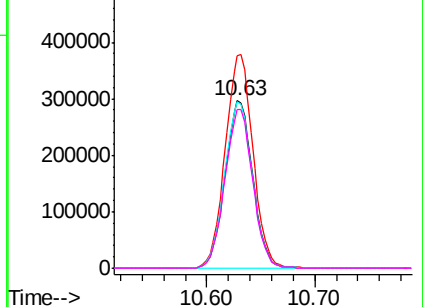


Abundance Ion 163.85 (163.55 to 164.55): V

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: 97.579 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058339.D

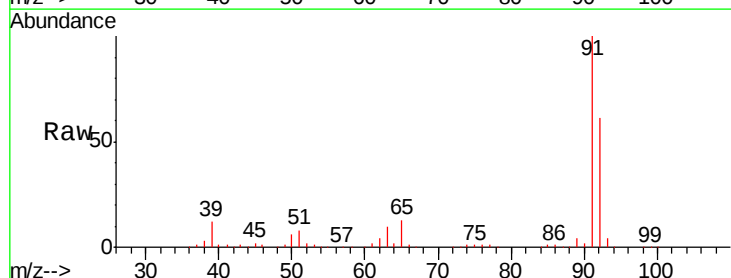
Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 2737776

Ion Ratio Lower Upper

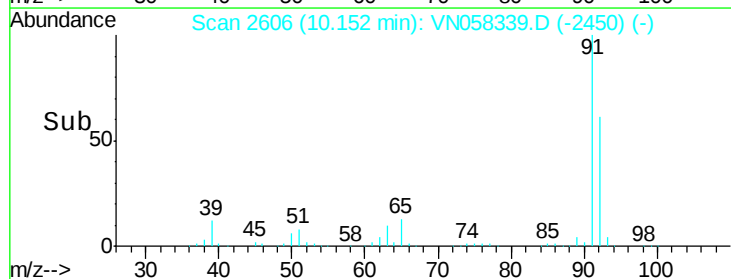
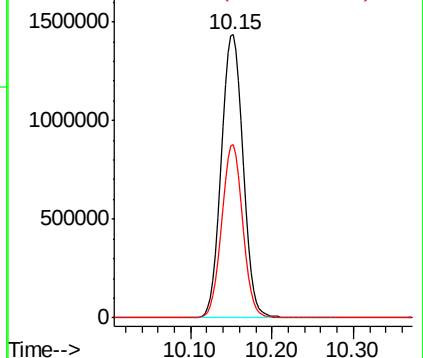
91 100

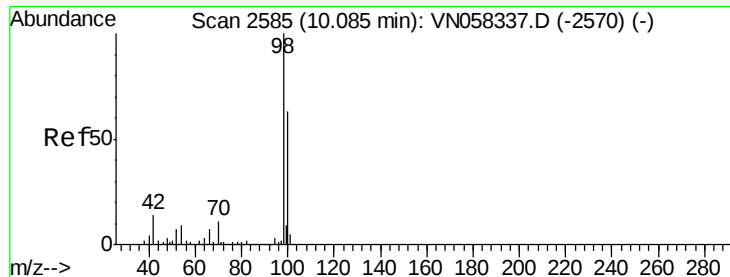
92 59.1 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.106 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

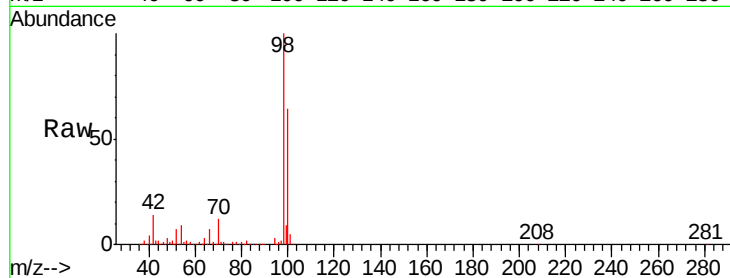
VSTDIC100

Tgt Ion: 98 Resp: 726294

Ion Ratio Lower Upper

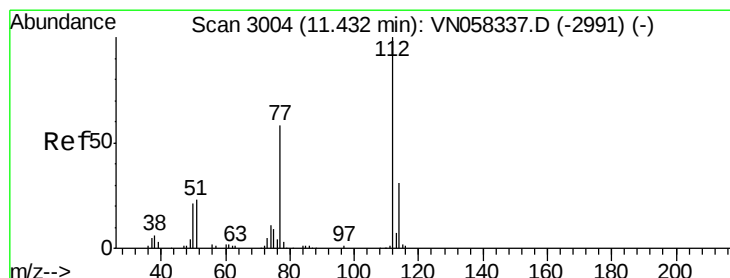
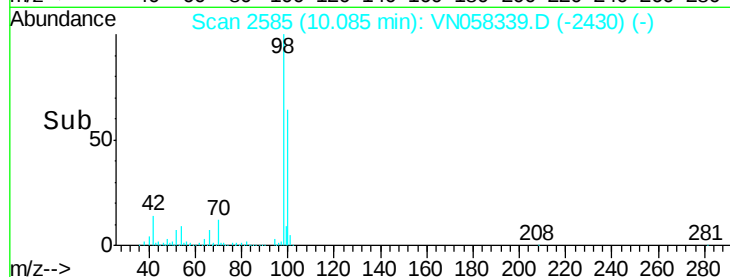
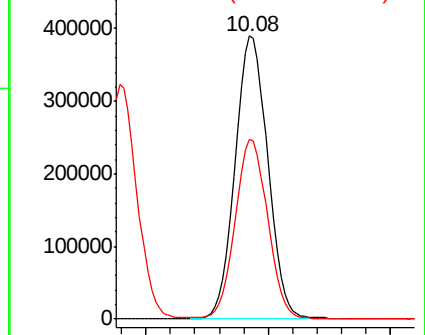
98 100

100 62.7 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 97.187 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058339.D

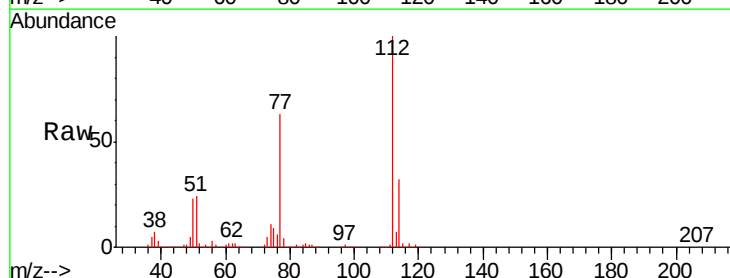
Acq: 24 Sep 2019 11:14

Tgt Ion: 112 Resp: 1690436

Ion Ratio Lower Upper

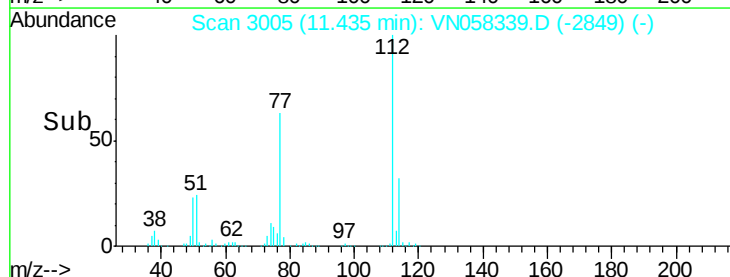
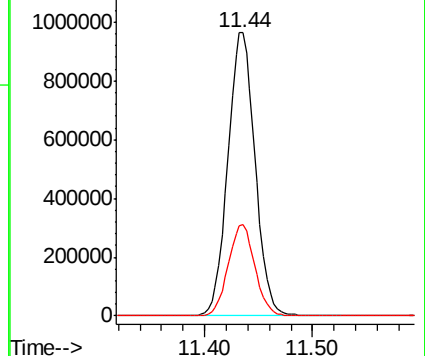
112 100

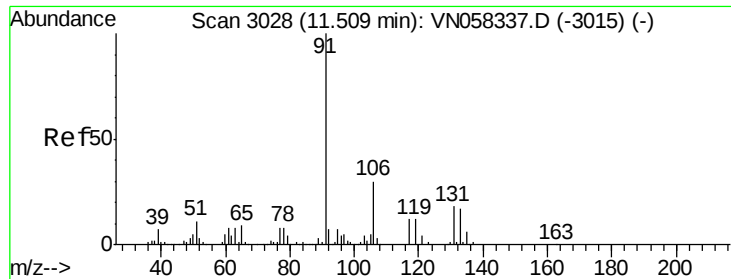
114 32.2 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

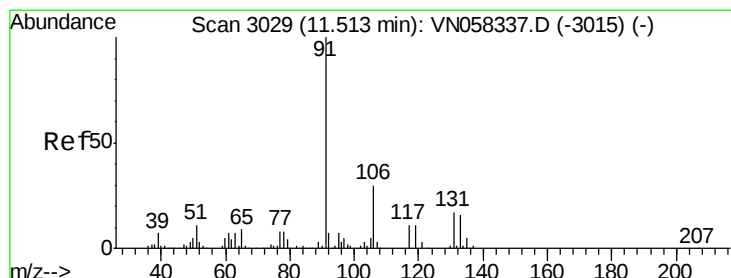
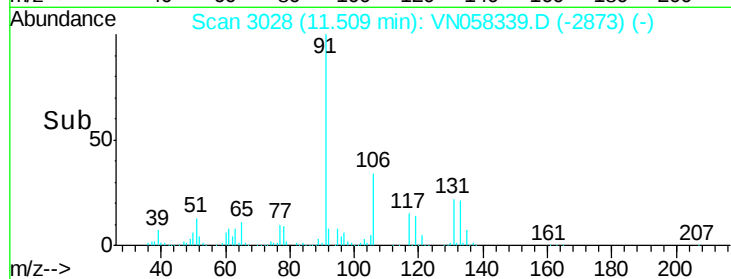
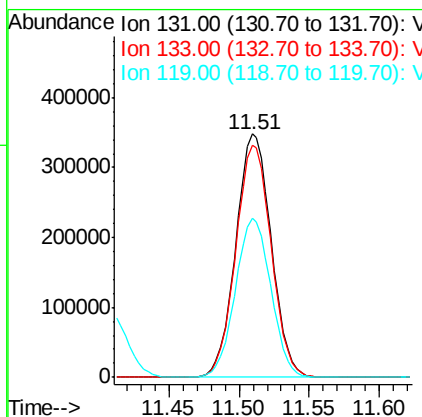
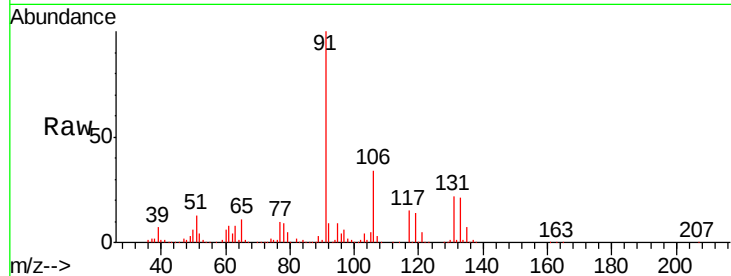




#65
 1,1,1,2-Tetrachloroethane
 Concen: 101.142 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

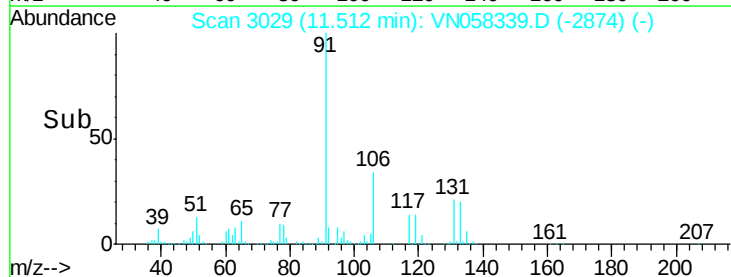
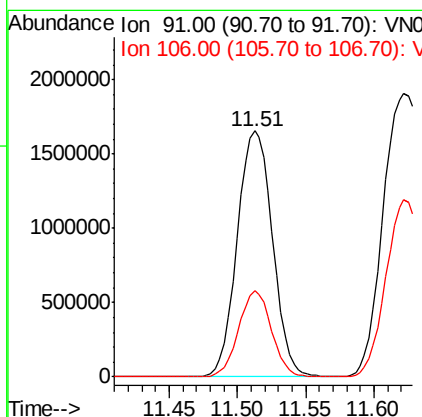
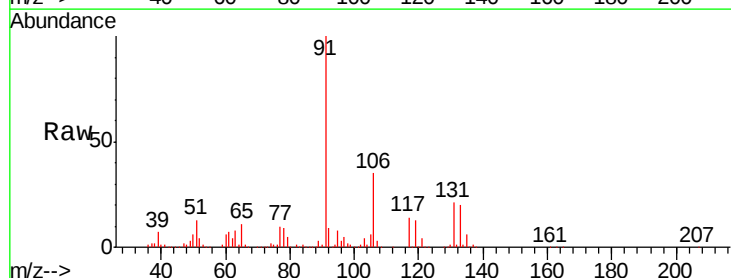
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

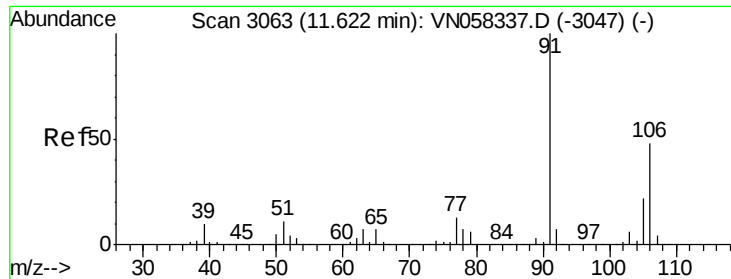
Tgt Ion: 131 Resp: 612581
 Ion Ratio Lower Upper
 131 100
 133 95.6 0.0 191.8
 119 65.5 0.0 134.2



#66
 Ethyl Benzene
 Concen: 96.729 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 2970364
 Ion Ratio Lower Upper
 91 100
 106 34.8 24.2 36.4

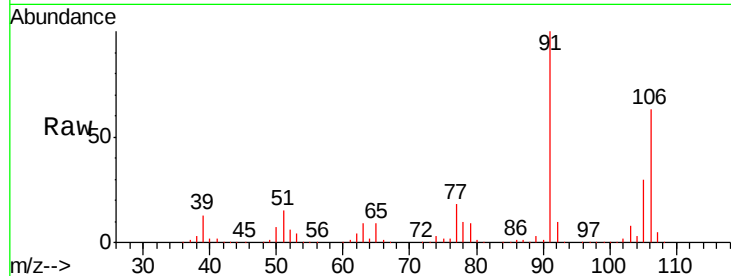




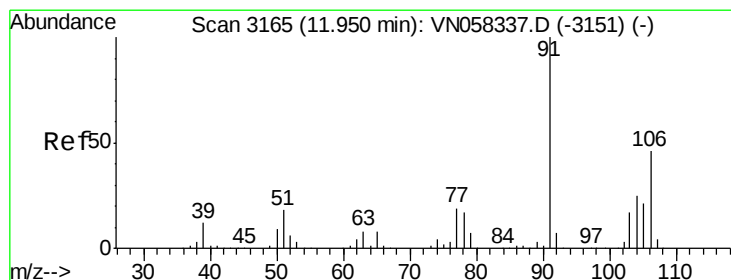
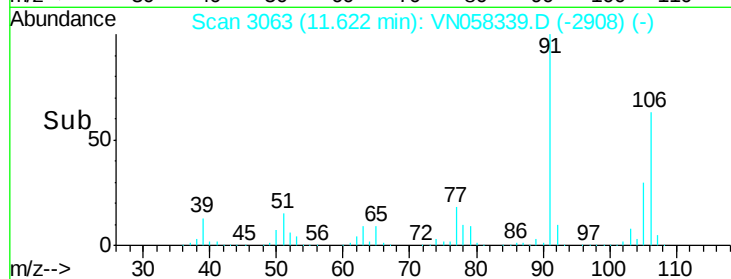
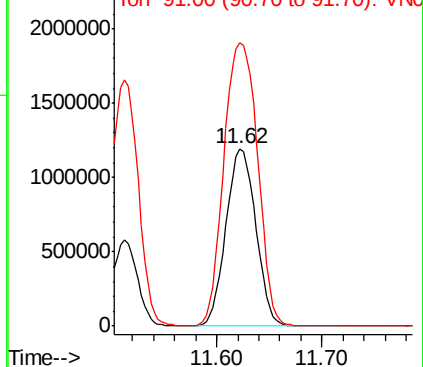
#67
m/p-Xylenes
Concen: 199.298 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2337857
Ion Ratio Lower Upper
106 100
91 180.6 167.8 251.6

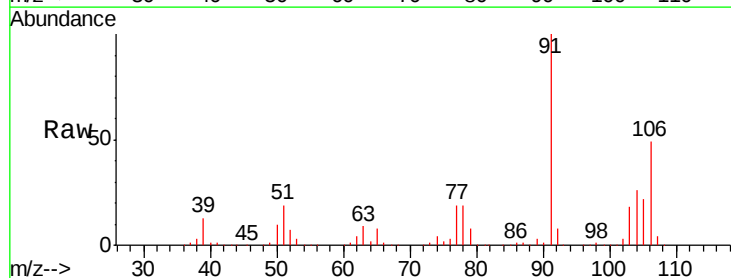


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

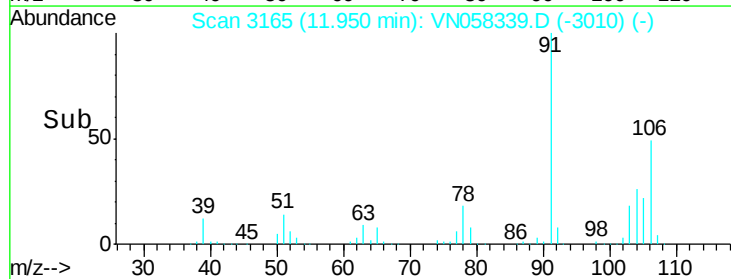
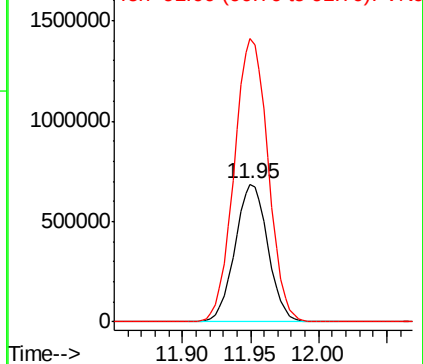


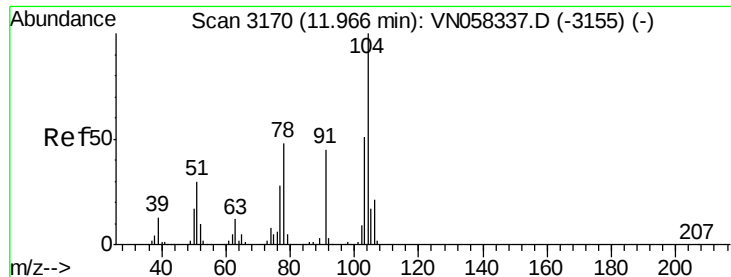
#68
o-Xylene
Concen: 99.475 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:106 Resp: 1145092
Ion Ratio Lower Upper
106 100
91 212.3 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

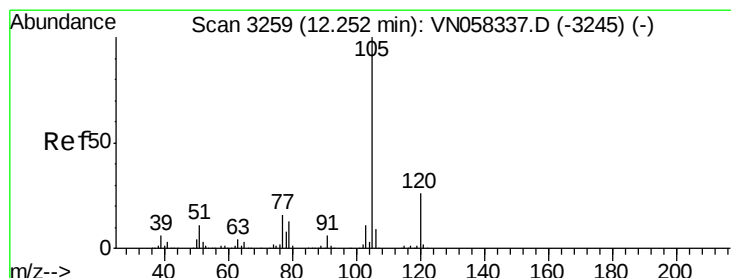
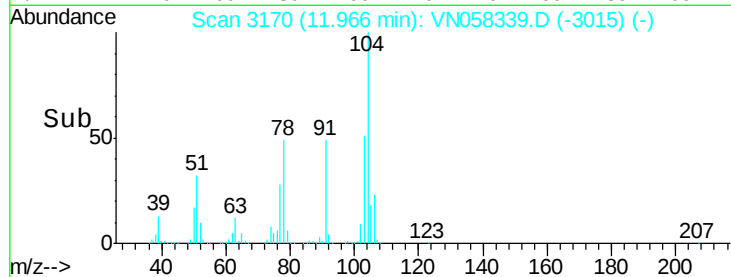
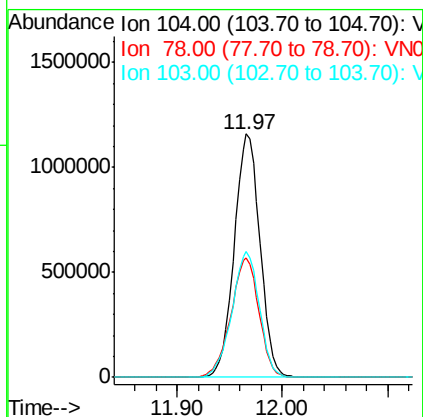
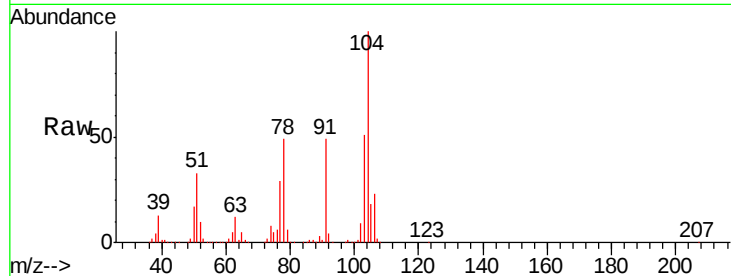




#69
Styrene
Concen: 100.385 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

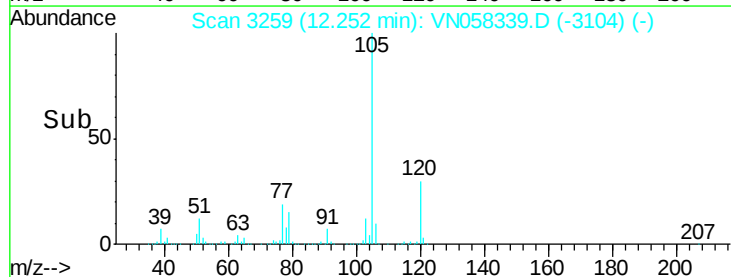
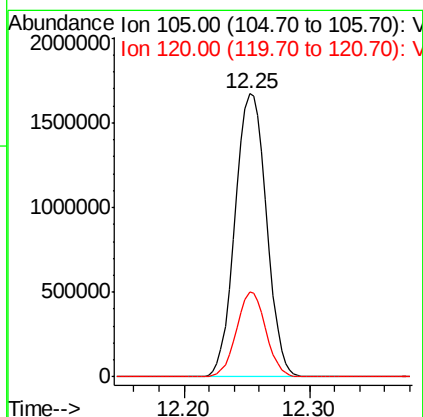
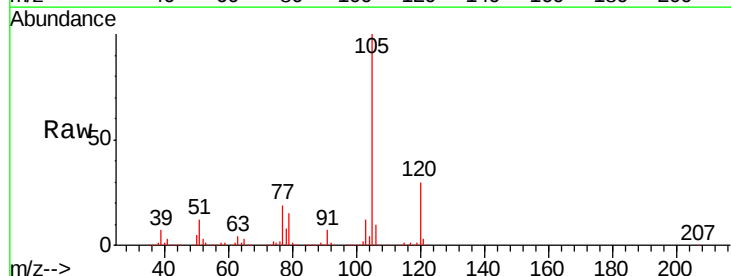
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

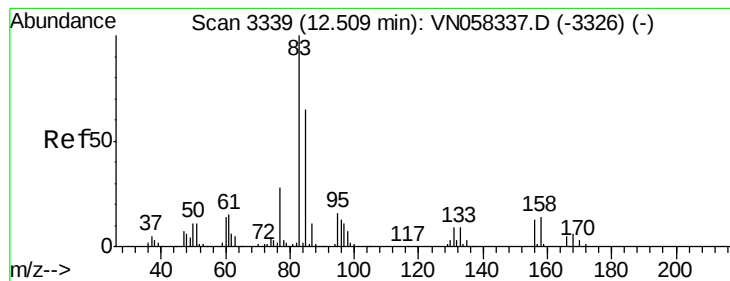
Tgt Ion:104 Resp: 1958399
Ion Ratio Lower Upper
104 100
78 53.3 42.3 63.5
103 55.2 44.1 66.1



#70
Isopropylbenzene
Concen: 96.342 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:105 Resp: 2911635
Ion Ratio Lower Upper
105 100
120 28.0 18.2 33.8





#71

1,1,2,2-Tetrachloroethane

Concen: 98.765 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

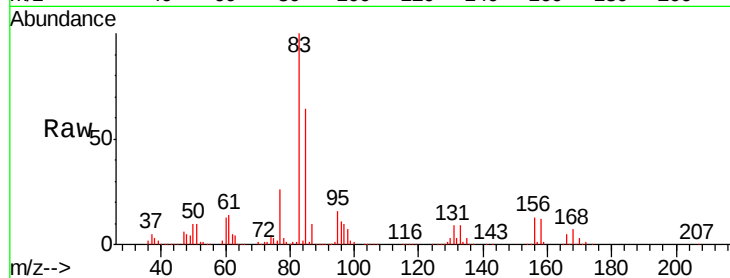
Tgt Ion: 83 Resp: 932631

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

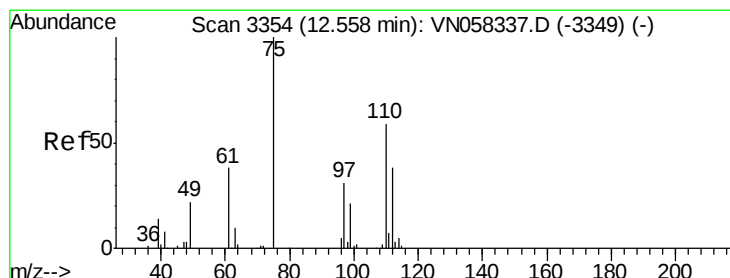
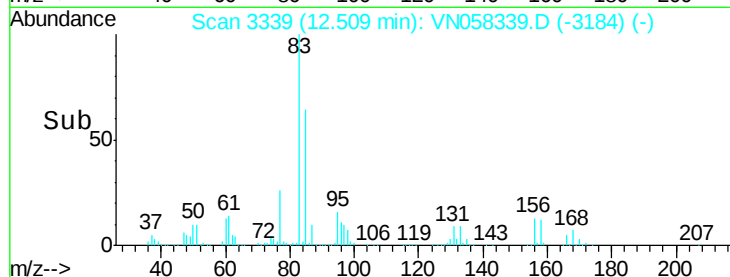
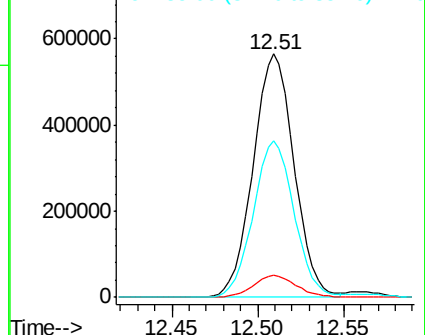
85 63.9 32.6 97.7



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: 145.662 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058339.D

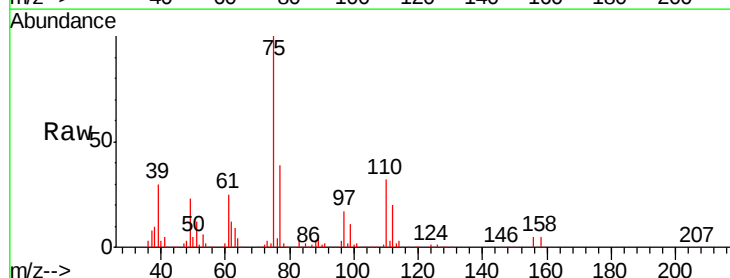
Acq: 24 Sep 2019 11:14

Tgt Ion: 75 Resp: 1220732

Ion Ratio Lower Upper

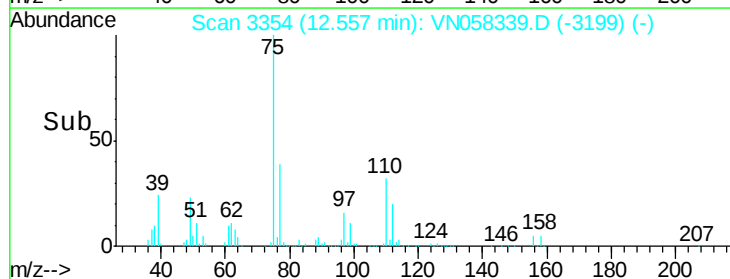
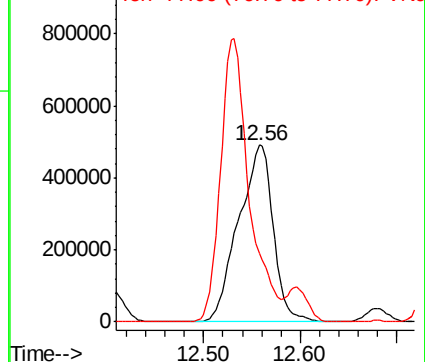
75 100

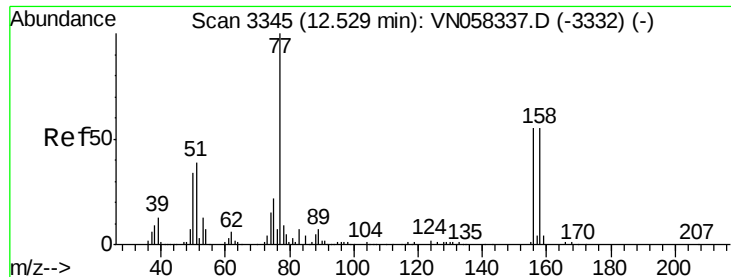
77 132.3 0.0 382.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 97.726 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

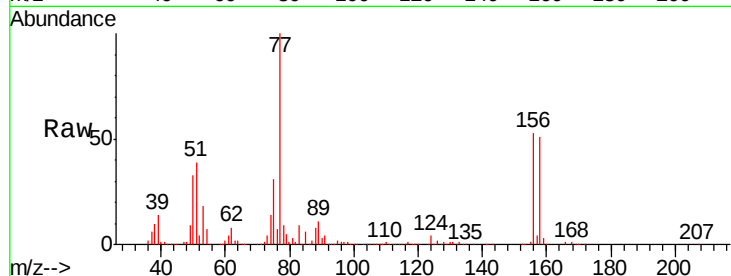
Tgt Ion:156 Resp: 712598

Ion Ratio Lower Upper

156 100

77 226.7 0.0 438.8

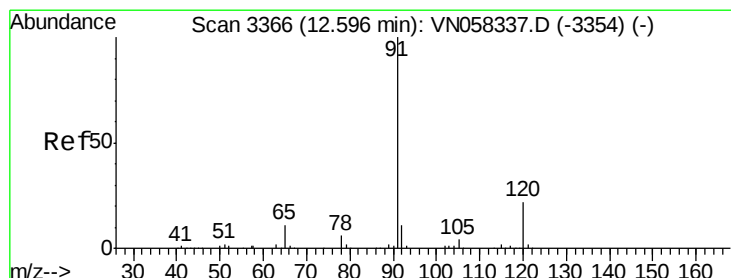
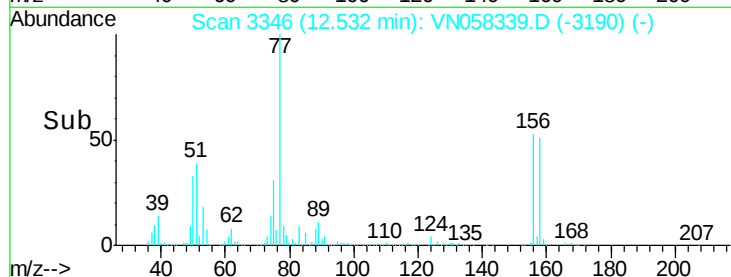
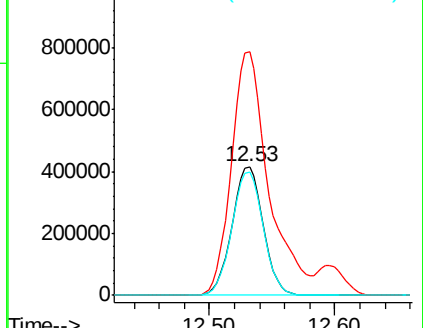
158 97.2 0.0 195.6



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: 95.740 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058339.D

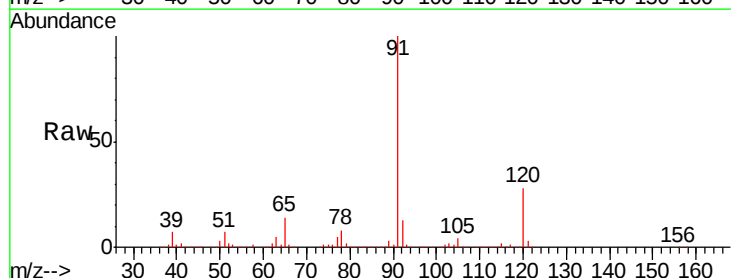
Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 3313302

Ion Ratio Lower Upper

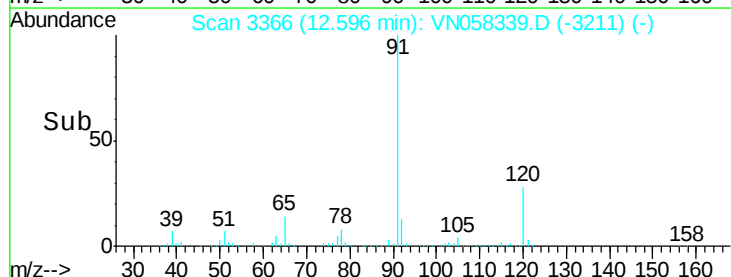
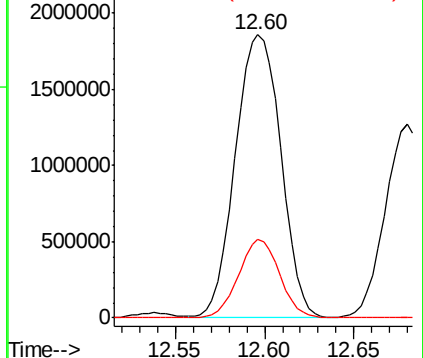
91 100

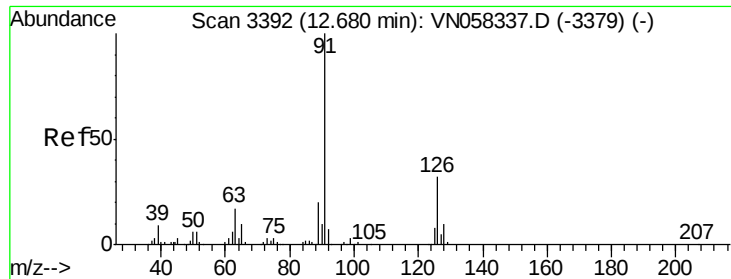
120 24.9 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 98.702 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

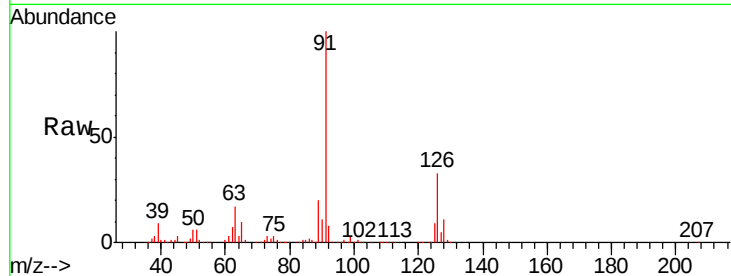
VSTDIC100

Tgt Ion: 91 Resp: 2131979

Ion Ratio Lower Upper

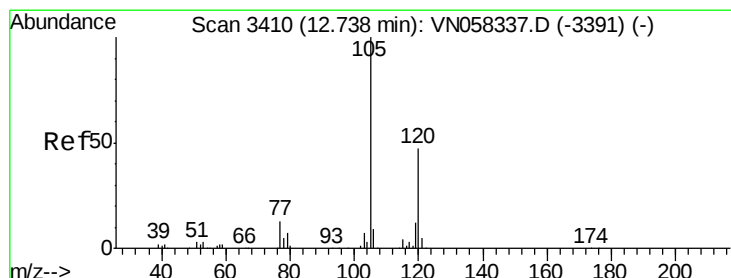
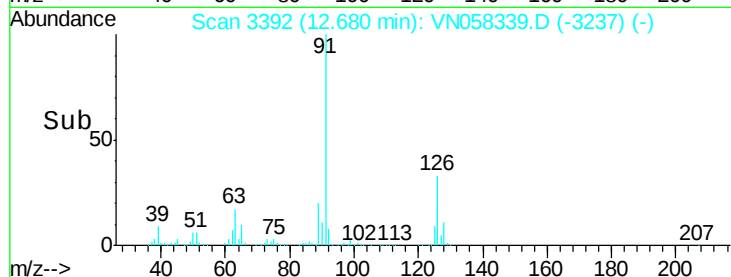
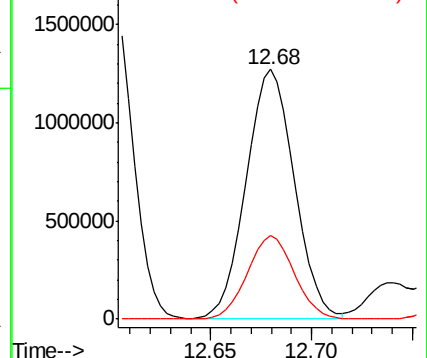
91 100

126 32.6 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V



#76

1,3,5-Trimethylbenzene

Concen: 98.963 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058339.D

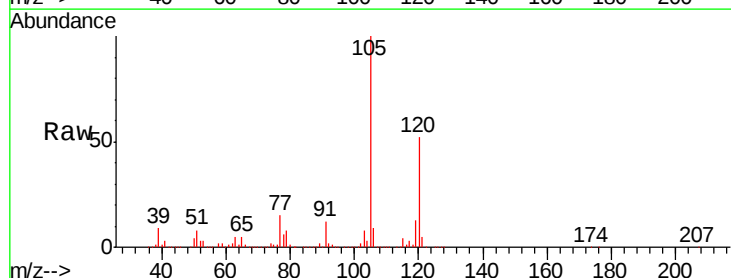
Acq: 24 Sep 2019 11:14

Tgt Ion: 105 Resp: 2556230

Ion Ratio Lower Upper

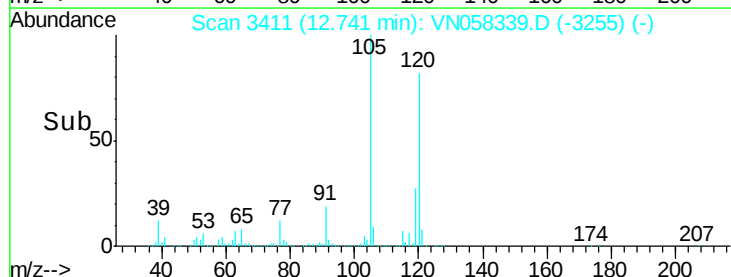
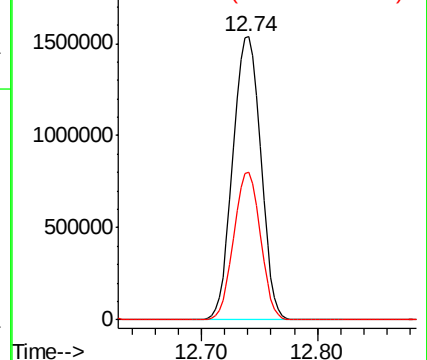
105 100

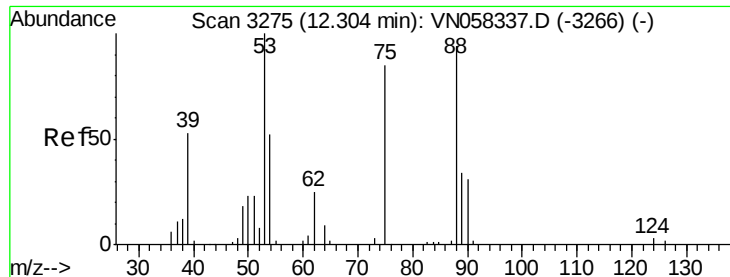
120 49.7 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#77

t-1,4-Dichloro-2-butene

Concen: 118.094 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

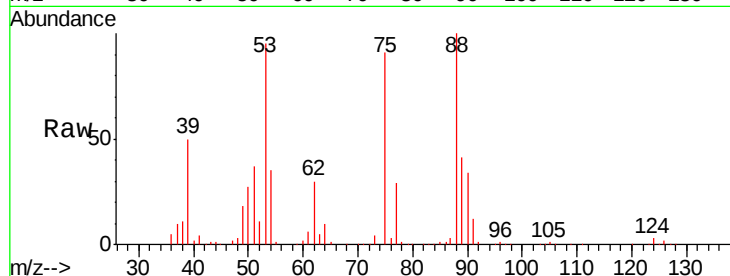
Tgt Ion: 75 Resp: 300016

Ion Ratio Lower Upper

75 100

53 104.9 59.0 176.8

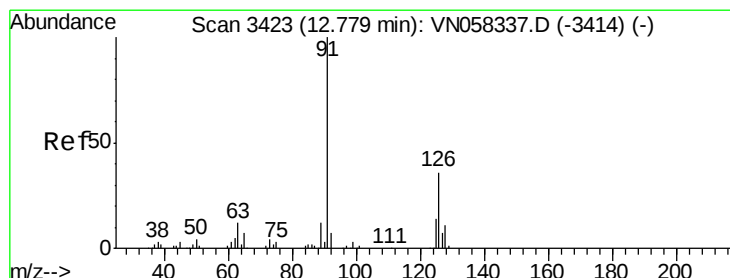
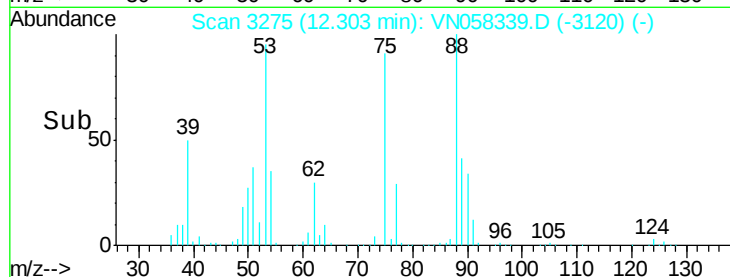
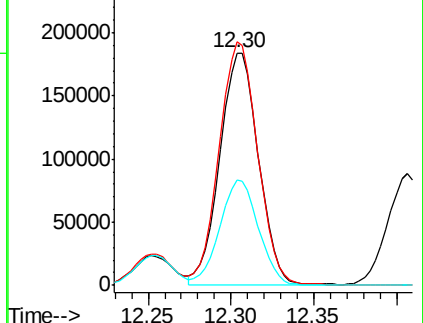
89 45.6 21.6 65.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 100.701 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN058339.D

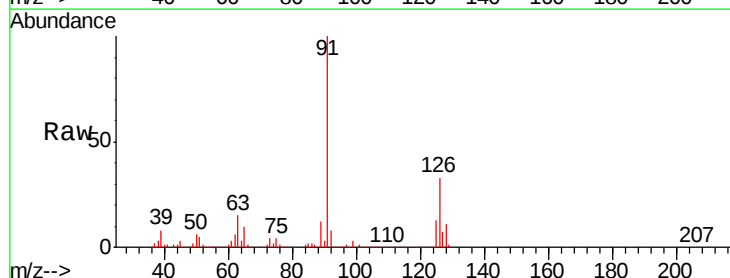
Acq: 24 Sep 2019 11:14

Tgt Ion: 91 Resp: 2228649

Ion Ratio Lower Upper

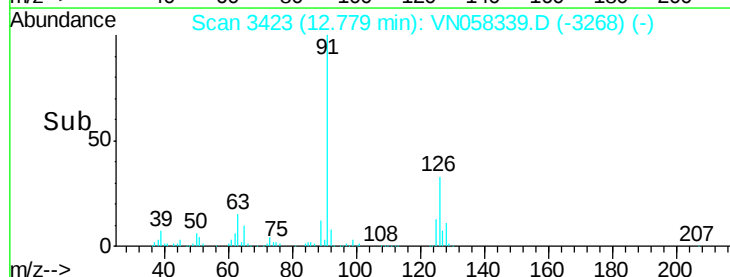
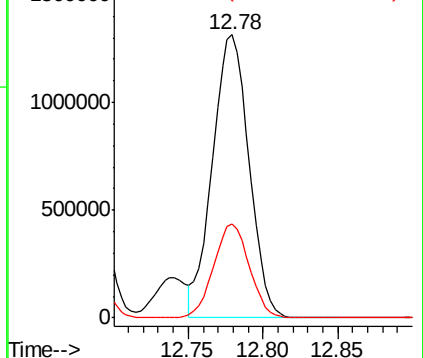
91 100

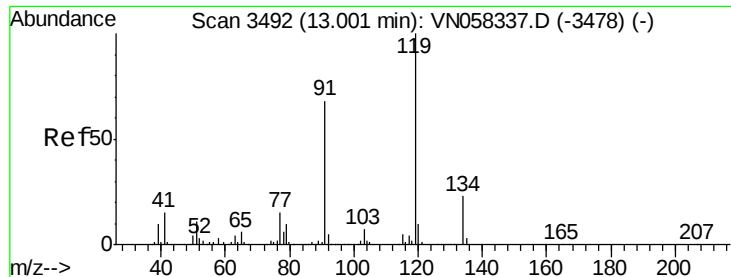
126 32.3 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

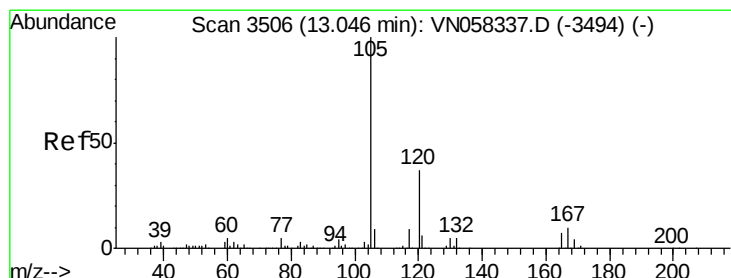
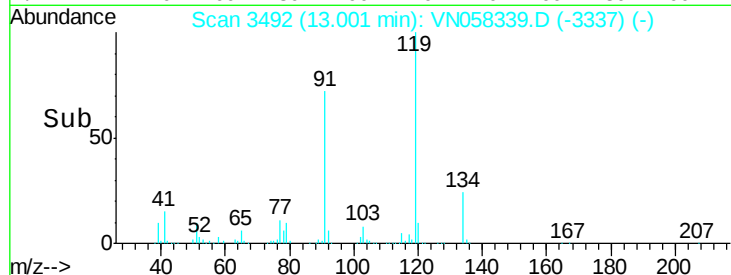
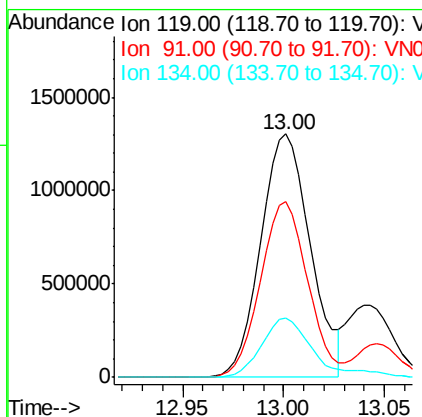
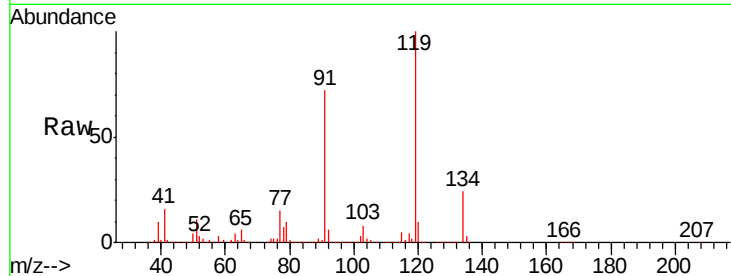




#79
tert-butylbenzene
Concen: 99.837 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

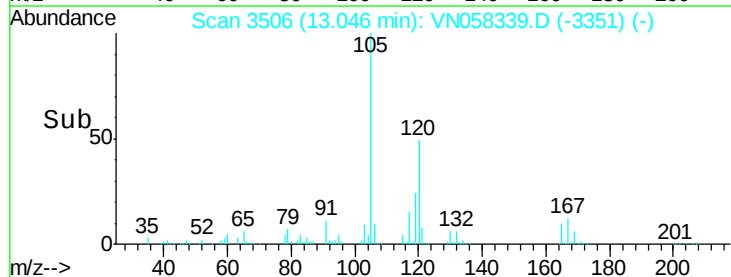
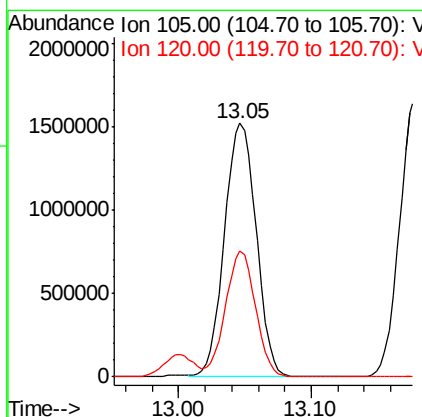
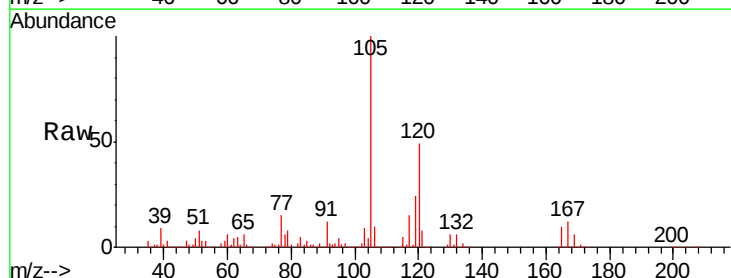
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

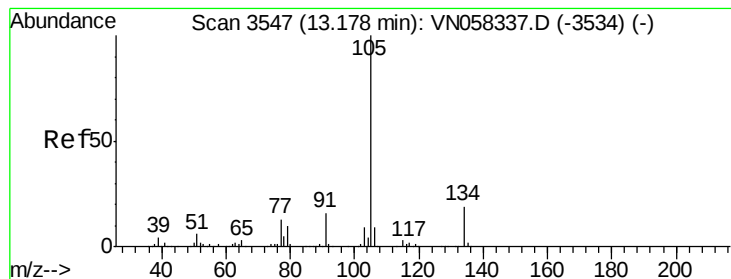
Tgt Ion:119 Resp: 2234604
Ion Ratio Lower Upper
119 100
91 68.3 0.0 138.2
134 23.6 0.0 46.8



#80
1,2,4-Trimethylbenzene
Concen: 98.424 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:105 Resp: 2538716
Ion Ratio Lower Upper
105 100
120 46.9 0.0 86.6





#81

sec-Butylbenzene

Concen: 96.313 ug/l

RT: 13.18 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

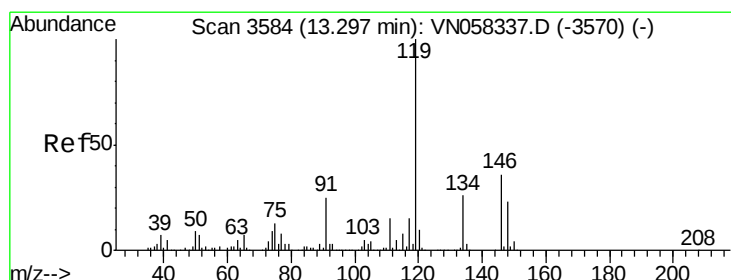
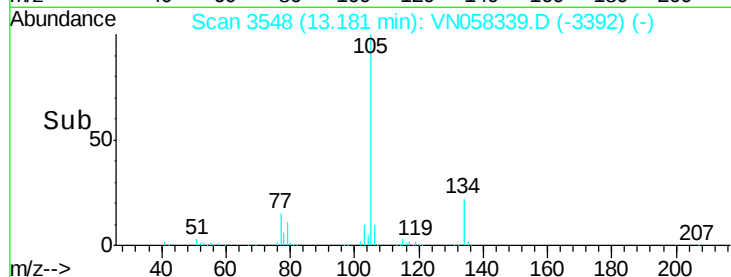
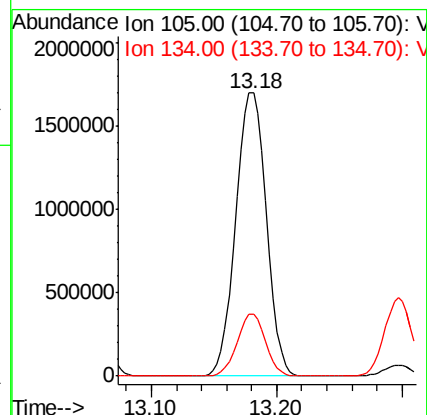
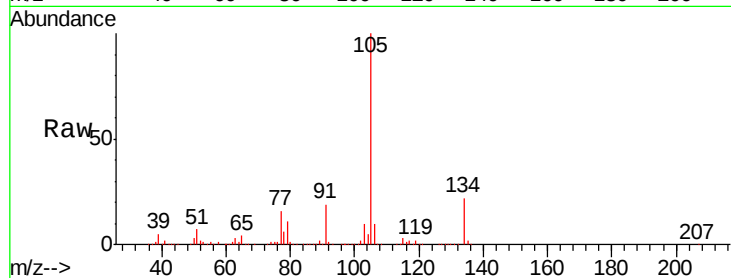
VSTDIC100

Tgt Ion:105 Resp: 2882053

Ion Ratio Lower Upper

105 100

134 20.4 0.0 38.2



#82

p-Isopropyltoluene

Concen: 98.883 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

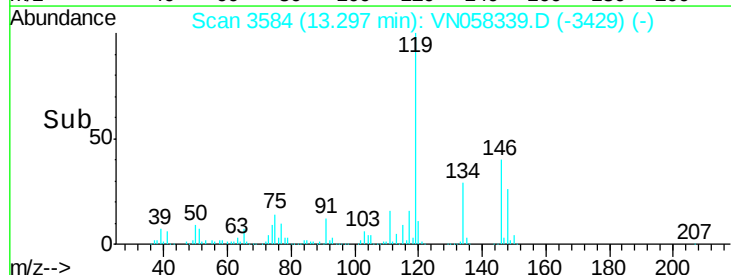
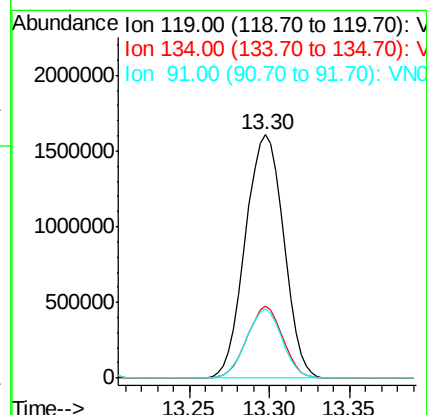
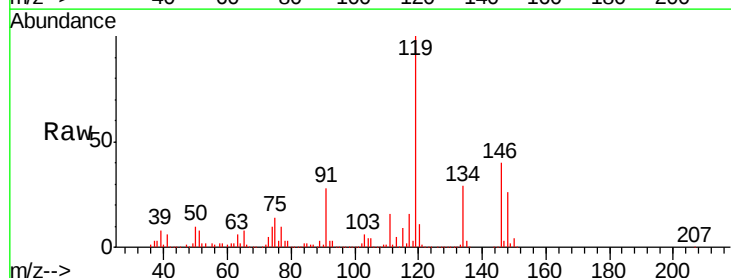
Tgt Ion:119 Resp: 2638727

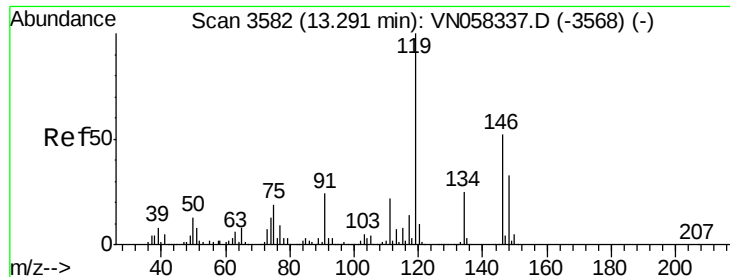
Ion Ratio Lower Upper

119 100

134 27.3 0.0 51.6

91 26.4 0.0 49.6

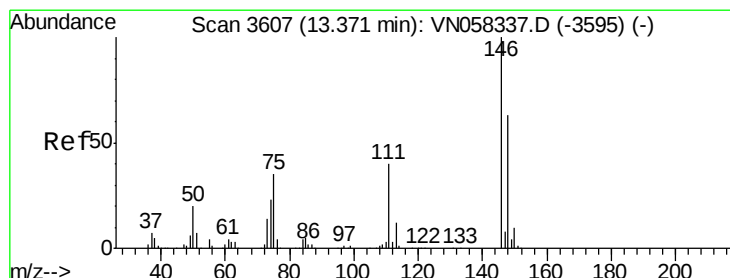
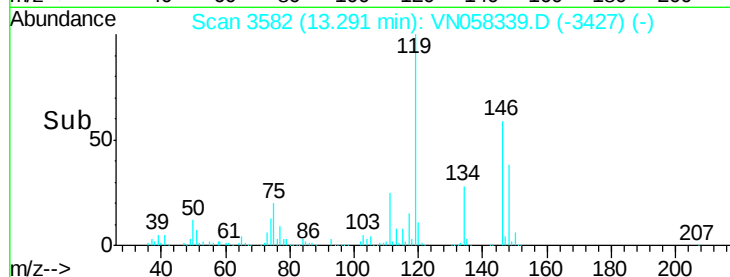
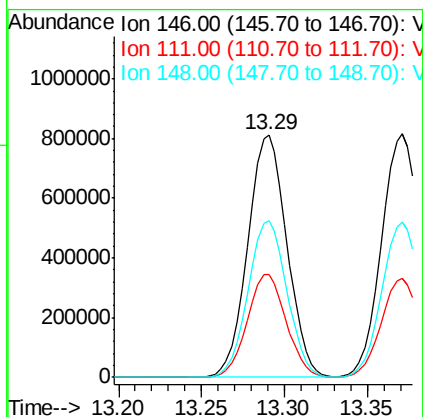
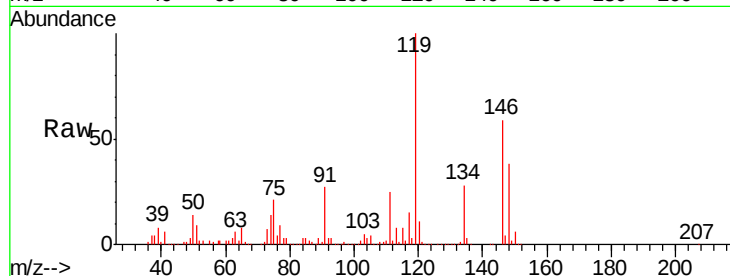




#83
 1,3-Dichlorobenzene
 Concen: 98.908 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

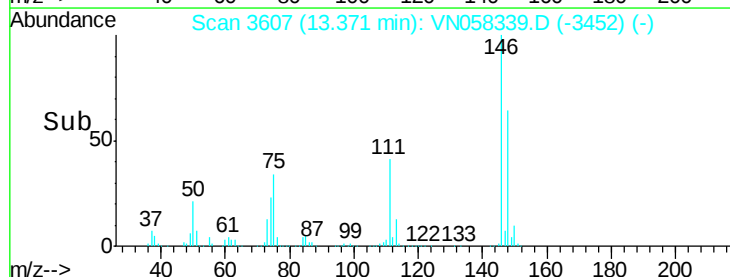
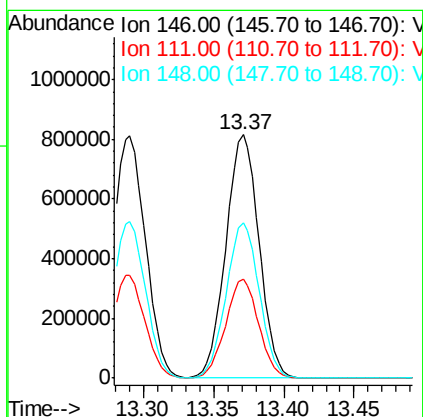
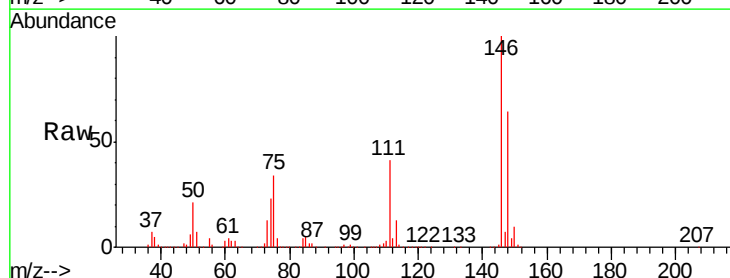
Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

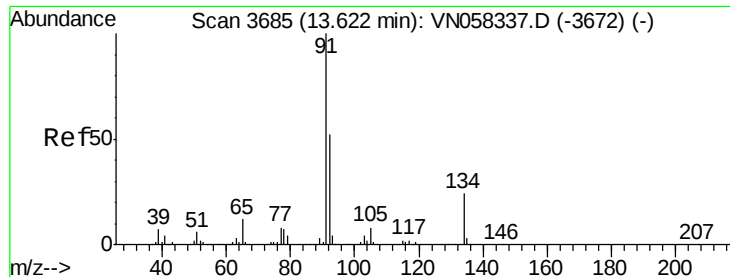
Tgt Ion:146 Resp: 1333308
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.9 62.8
 148 64.1 32.0 96.2



#84
 1,4-Dichlorobenzene
 Concen: 100.750 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion:146 Resp: 1340841
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.3
 148 63.4 31.9 95.7





#85

n-Butylbenzene

Concen: 101.187 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

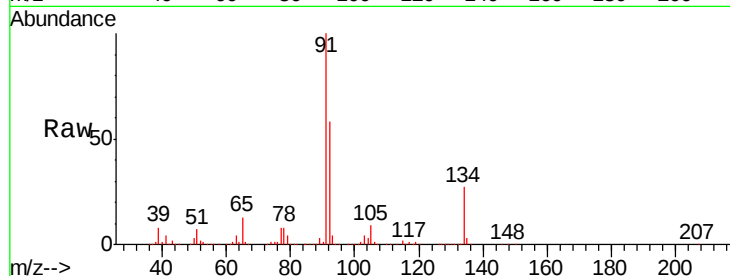
Tgt Ion: 91 Resp: 2509818

Ion Ratio Lower Upper

91 100

92 54.8 0.0 102.6

134 25.7 0.0 47.8

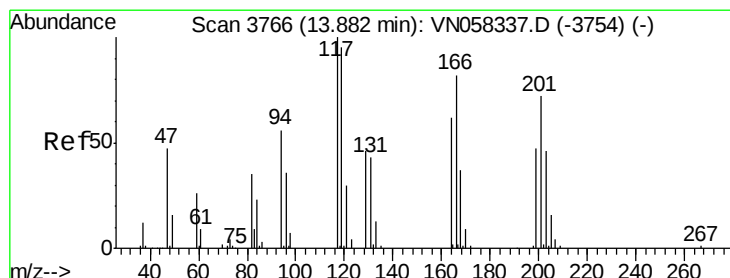
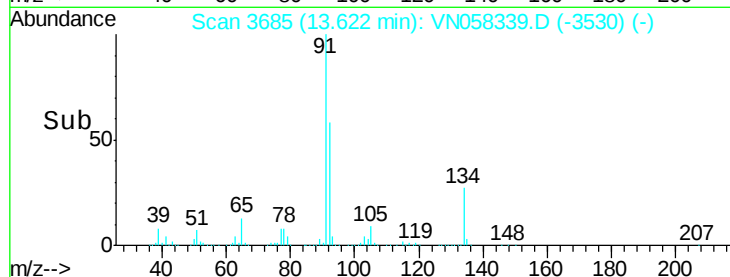


Abundance Ion 91.00 (90.70 to 91.70): VN058339.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058339.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058339.D (-3672) (-)

Time-->



#86

Hexachloroethane

Concen: 106.221 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058339.D

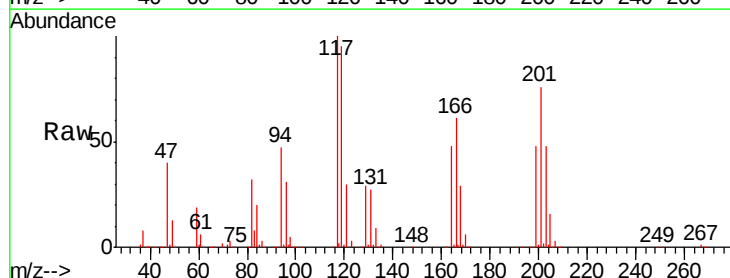
Acq: 24 Sep 2019 11:14

Tgt Ion: 117 Resp: 456099

Ion Ratio Lower Upper

117 100

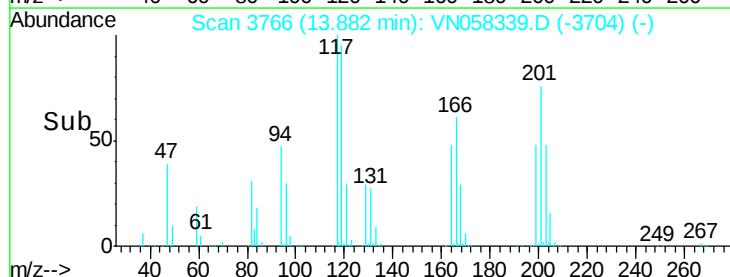
201 77.2 37.2 111.6

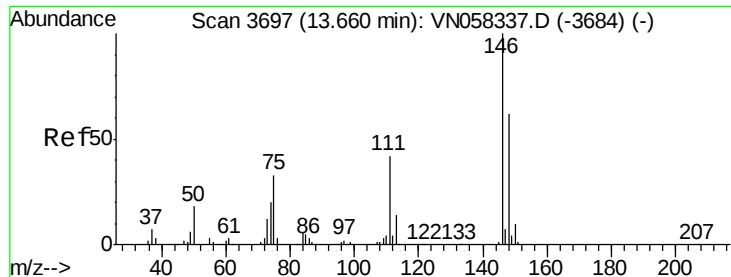


Abundance Ion 117.00 (116.70 to 117.70): VN058339.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN058339.D (-3754) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 98.979 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

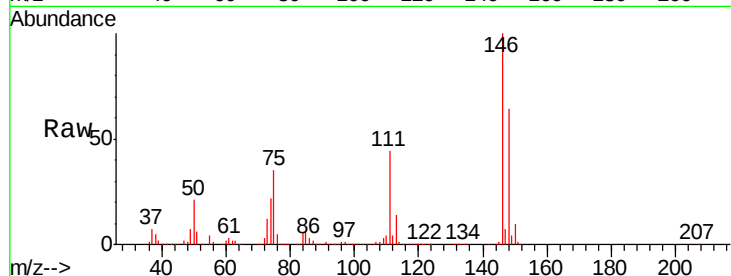
Tgt Ion:146 Resp: 1300281

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.3

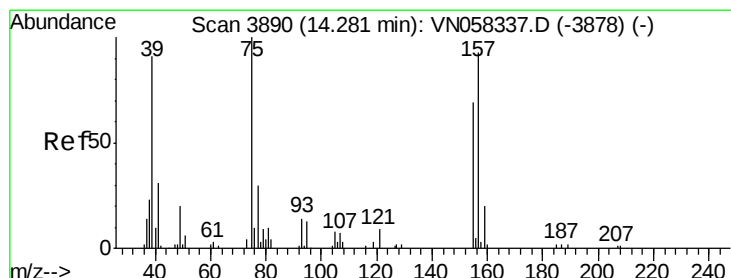
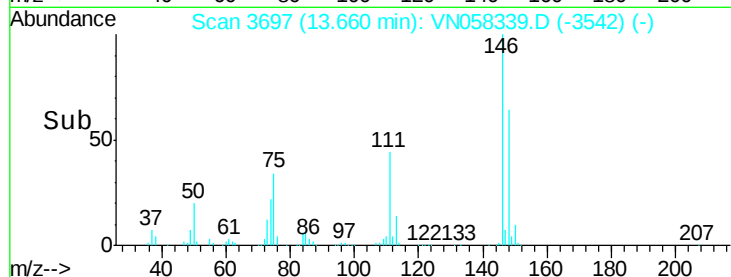
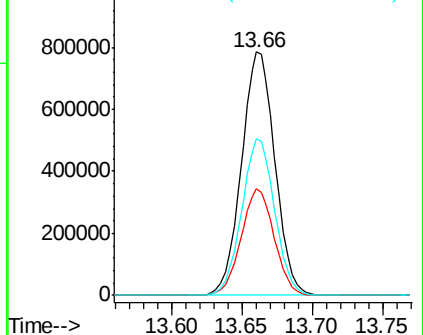
148 63.6 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 113.770 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. -0.00 min

Lab File: VN058339.D

Acq: 24 Sep 2019 11:14

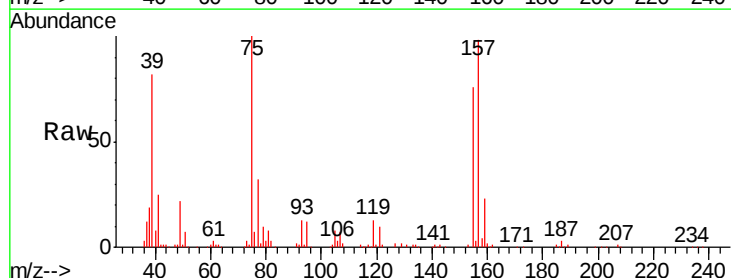
Tgt Ion: 75 Resp: 192940

Ion Ratio Lower Upper

75 100

155 75.1 58.5 87.7

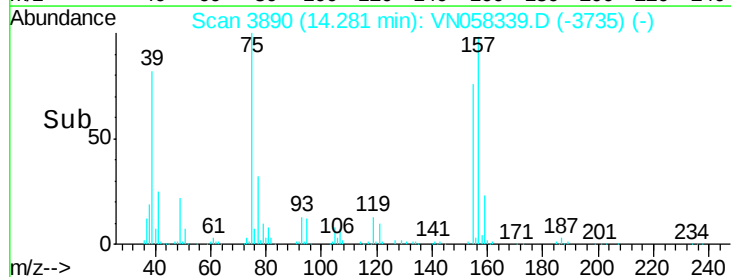
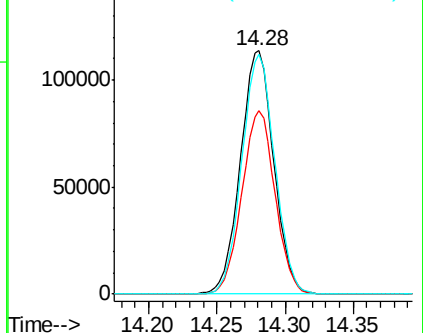
157 97.2 75.4 113.2

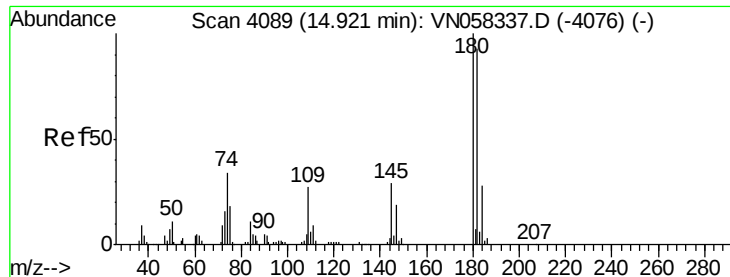


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

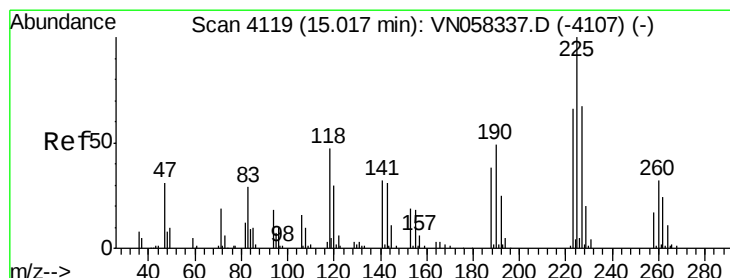
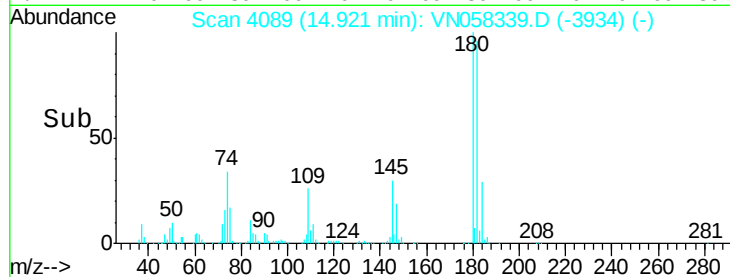
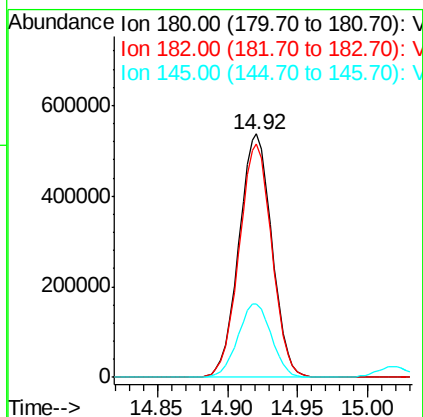
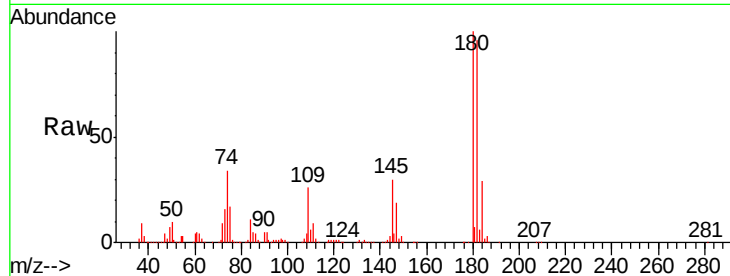




#89
 1,2,4-Trichlorobenzene
 Concen: 109.095 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

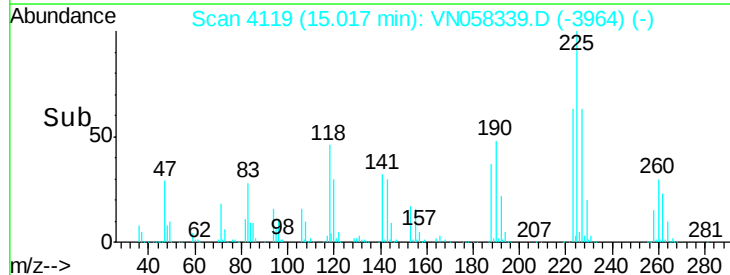
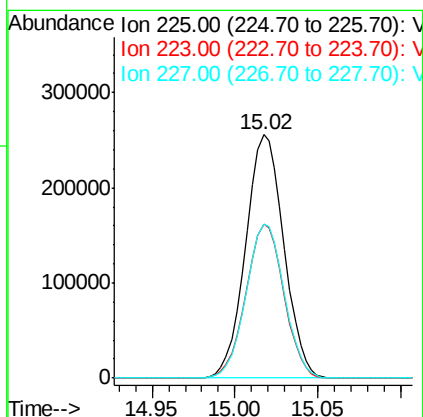
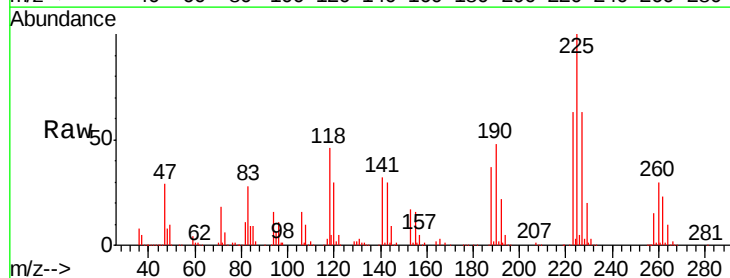
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

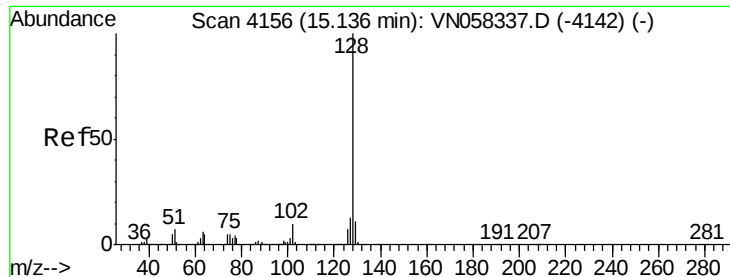
Tgt Ion:180 Resp: 878599
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.2 112.8
 145 30.7 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 109.697 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058339.D
 Acq: 24 Sep 2019 11:14

Tgt Ion:225 Resp: 408328
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 132.6
 227 63.3 0.0 129.2

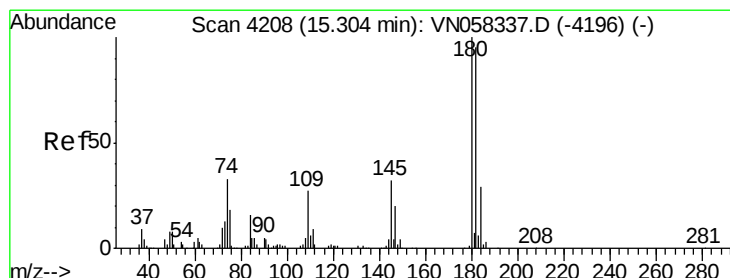
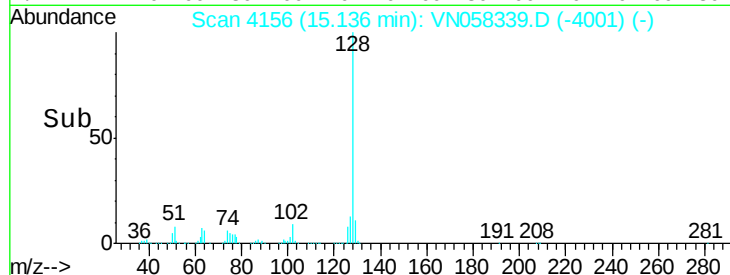
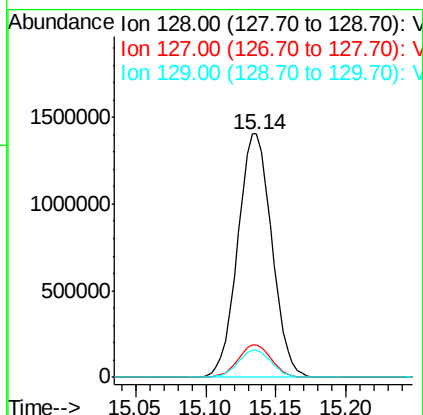
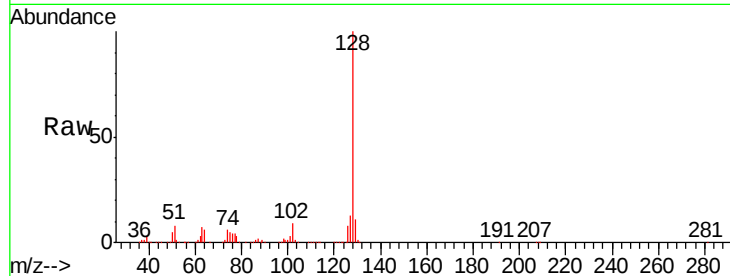




#91
Naphthalene
Concen: 108.070 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2380591
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.0 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 107.416 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058339.D
Acq: 24 Sep 2019 11:14

Tgt Ion:180 Resp: 822396
Ion Ratio Lower Upper
180 100
182 96.3 0.0 189.4
145 32.1 0.0 64.0

