

Data File : VN054158.D
Acq On : 12 Mar 2019 10:29
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Mar 13 02:35:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1477998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2264646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1922063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	794307	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	79421	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
35) Dibromofluoromethane	7.59	113	71318	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
50) Toluene-d8	10.09	98	260274	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.40	95	86325	4.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	66811	4.770	ug/l	97
3) Chloromethane	2.06	50	73689	5.416	ug/l	97
4) Vinyl Chloride	2.19	62	90237	5.802	ug/l	98
5) Bromomethane	2.57	94	61820	5.739	ug/l	92
6) Chloroethane	2.71	64	55724	5.922	ug/l	97
7) Trichlorofluoromethane	3.02	101	123287	5.963	ug/l	98
8) Diethyl Ether	3.41	74	47113	5.000	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77879	5.026	ug/l	96
10) Methyl Iodide	3.94	142	74411	4.777	ug/l	100
11) Tert butyl alcohol	4.81	59	13534	12.527	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	78876	5.137	ug/l	99
13) Acrolein	3.61	56	28178	27.635	ug/l	97
14) Allyl chloride	4.32	41	95003	4.822	ug/l	97
15) Acrylonitrile	5.00	53	108351	24.513	ug/l	99
16) Acetone	3.82	43	109187	24.295	ug/l	99
17) Carbon Disulfide	4.04	76	179301	4.658	ug/l	99
18) Methyl Acetate	4.33	43	42912	4.719	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	188399	4.950	ug/l	98
20) Methylene Chloride	4.54	84	75902	5.143	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	72537	4.930	ug/l	93
22) Diisopropyl ether	5.96	45	188804	4.802	ug/l	96
23) Vinyl Acetate	5.90	43	689092	23.770	ug/l	99
24) 1,1-Dichloroethane	5.84	63	129246	5.119	ug/l	99
25) 2-Butanone	6.85	43	127050	24.086	ug/l	95
26) 2,2-Dichloropropane	6.82	77	111897	5.040	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	81903	4.990	ug/l	98
28) Bromochloromethane	7.19	49	53752	5.208	ug/l	97
29) Tetrahydrofuran	7.22	42	85037	25.073	ug/l	97
30) Chloroform	7.37	83	132386	5.025	ug/l	98
31) Cyclohexane	7.65	56	130935	4.428	ug/l #	88
32) 1,1,1-Trichloroethane	7.57	97	118651	4.987	ug/l	99
36) 1,1-Dichloropropene	7.79	75	100323	4.810	ug/l	99
37) Ethyl Acetate	6.94	43	52992	4.307	ug/l #	94
38) Carbon Tetrachloride	7.77	117	104108	4.760	ug/l	96

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Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Mar 13 02:35:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	121193	4.723	ug/l	98
40) Benzene	8.04	78	290180	4.862	ug/l	97
41) Methacrylonitrile	7.18	41	31937	4.854	ug/l	98
42) 1,2-Dichloroethane	8.12	62	101157	5.020	ug/l	99
43) Isopropyl Acetate	8.17	43	97736	4.647	ug/l	99
44) Trichloroethene	8.84	130	91512	4.936	ug/l	100
45) 1,2-Dichloropropane	9.12	63	73788	4.979	ug/l	97
46) Dibromomethane	9.21	93	48067	4.801	ug/l	98
47) Bromodichloromethane	9.40	83	93435	4.655	ug/l	93
48) Methyl methacrylate	9.20	41	46743	4.379	ug/l	95
49) 1,4-Dioxane	9.21	88	14390	95.306	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	247928	22.273	ug/l	99
52) Toluene	10.16	92	178079	4.706	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	86803	5.617	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	105956	4.530	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	66350	4.802	ug/l	97
56) Ethyl methacrylate	10.43	69	73717	4.474	ug/l	100
57) 1,3-Dichloropropane	10.71	76	107462	4.756	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	132882	34.168	ug/l	100
59) 2-Hexanone	10.75	43	163277	22.044	ug/l	99
60) Dibromochloromethane	10.90	129	67785	4.359	ug/l	100
61) 1,2-Dibromoethane	11.00	107	65525	4.667	ug/l	98
64) Tetrachloroethene	10.63	164	98332	5.291	ug/l	97
65) Chlorobenzene	11.43	112	206723	4.898	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	74011	4.827	ug/l	95
67) Ethyl Benzene	11.51	91	340644	4.869	ug/l	98
68) m/p-Xylenes	11.62	106	265326	9.704	ug/l	100
69) o-Xylene	11.95	106	133351	5.003	ug/l	98
70) Styrene	11.96	104	190239	4.551	ug/l	98
71) Bromoform	12.13	173	42697	5.832	ug/l #	99
73) Isopropylbenzene	12.25	105	349785	5.504	ug/l	99
74) N-amyl acetate	12.07	43	63809	4.524	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	73323	5.415	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	87912	7.428	ug/l #	100
77) Bromobenzene	12.53	156	88867	5.285	ug/l	97
78) n-propylbenzene	12.59	91	363199	5.267	ug/l	99
79) 2-Chlorotoluene	12.67	91	224843	5.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	287077	5.431	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	14804	6.495	ug/l	95
82) 4-Chlorotoluene	12.77	91	208971	5.048	ug/l	100
83) tert-Butylbenzene	12.99	119	269163	5.532	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	270897	5.224	ug/l	99
85) sec-Butylbenzene	13.17	105	346577	5.493	ug/l	99
86) p-Isopropyltoluene	13.29	119	289186	5.224	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	142087	5.014	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	134738	4.840	ug/l	94
89) n-Butylbenzene	13.61	91	195606	4.651	ug/l	99
90) Hexachloroethane	13.87	117	44544	4.860	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	141614	5.112	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	9970	4.759	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
Quantitation Report (Not Reviewed)

Data File : VN054158.D
Acq On : 12 Mar 2019 10:29
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 13 02:35:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	55867	5.689	ug/l	99
94) Hexachlorobutadiene	15.01	225	59404	5.630	ug/l	99
95) Naphthalene	15.13	128	110142	6.412	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	61472	4.177	ug/l	100

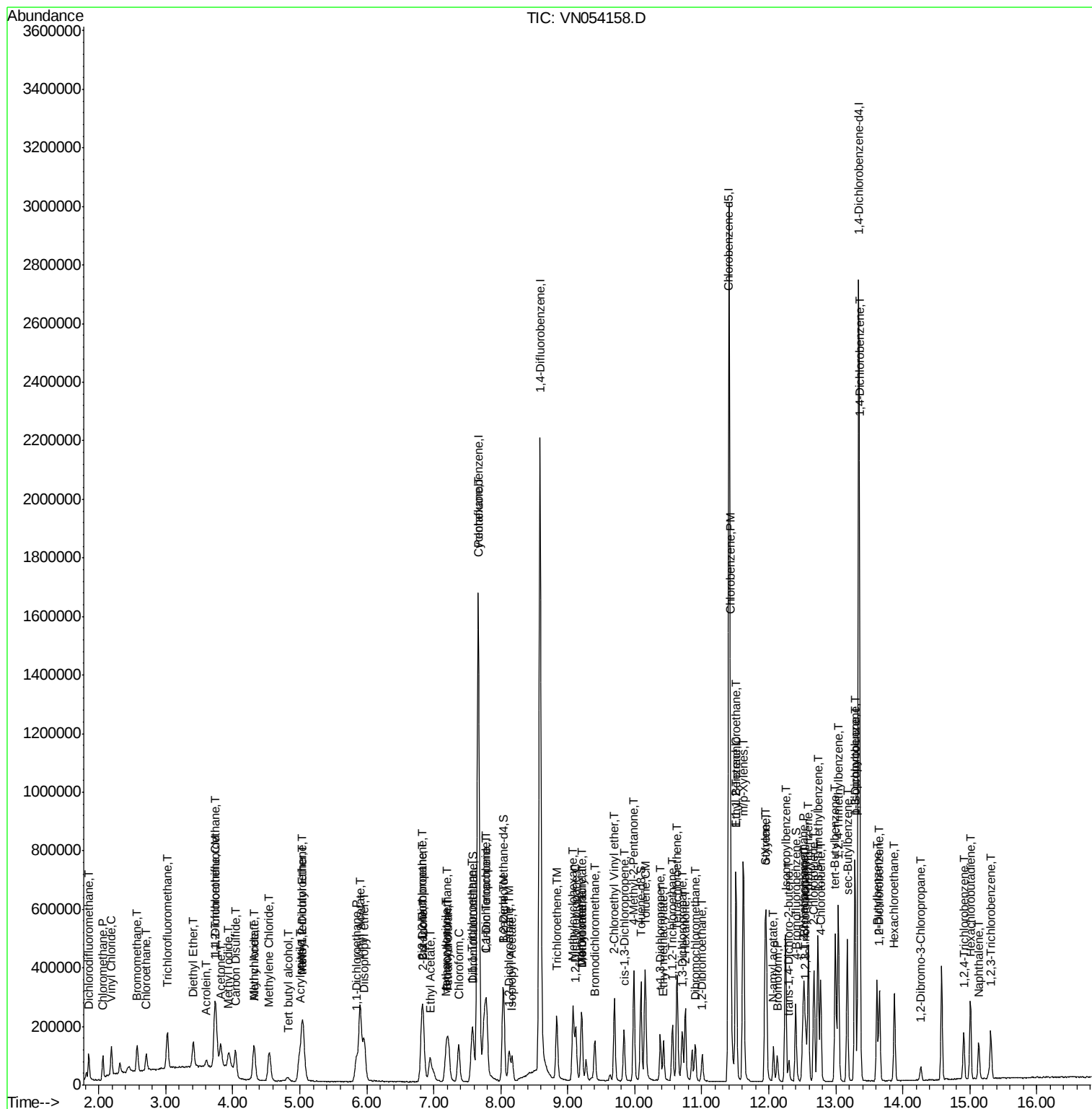
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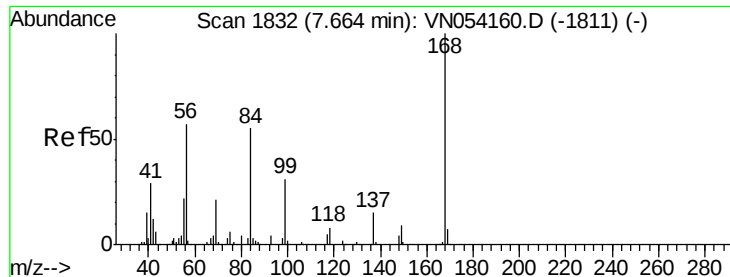
Data File : VN054158.D

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Acq On       : 12 Mar 2019   10:29
Operator    : JC/SP
Sample      : VSTDIC005
Misc       : 5.00mL/MSV0A_N/WATER
ALS Vial    : 4      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Mar 13 02:35:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 02:32:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

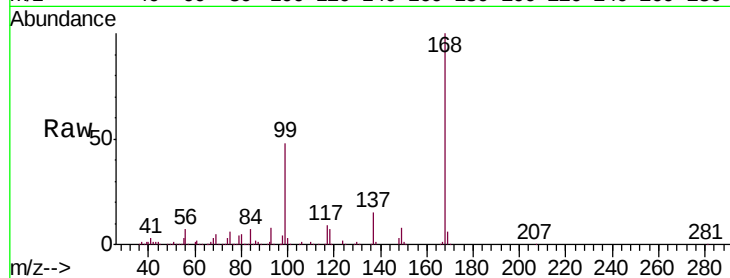
VSTDIC005

Tgt Ion:168 Resp: 1477998

Ion Ratio Lower Upper

168 100

99 47.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054160.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN054160.D (-1811) (-)

7.66

600000

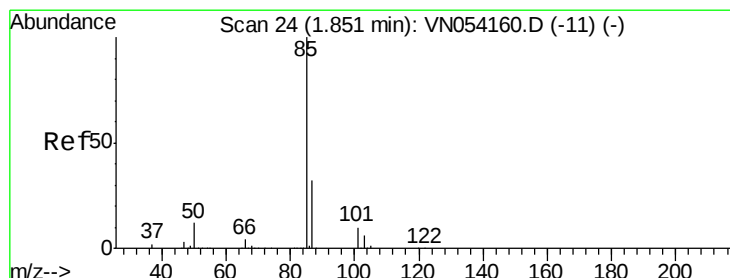
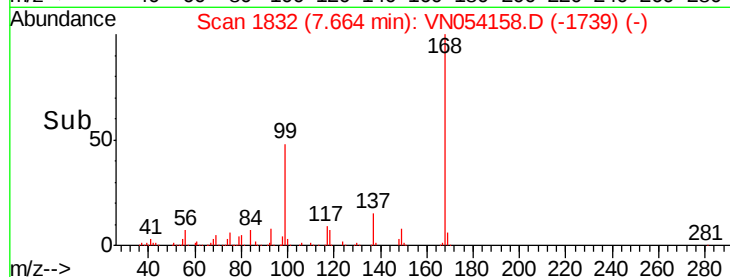
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.770 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054158.D

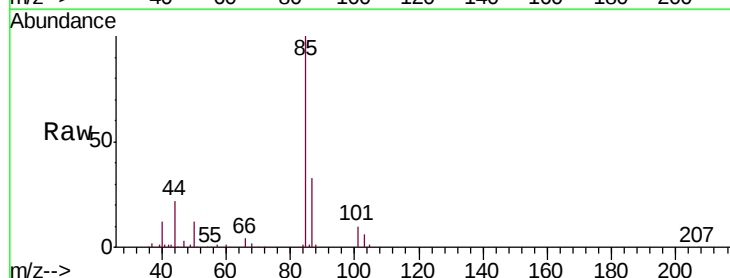
Acq: 12 Mar 2019 10:29

Tgt Ion: 85 Resp: 66811

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054160.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN054160.D (-11) (-)

1.85

50000

40000

30000

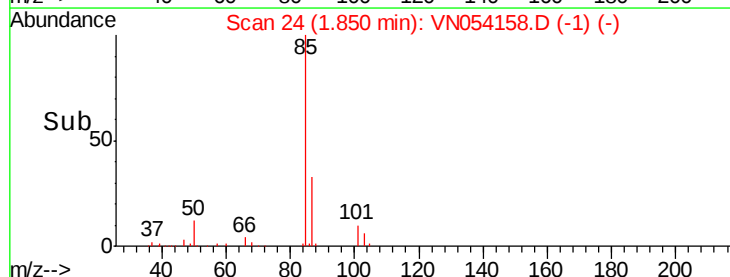
20000

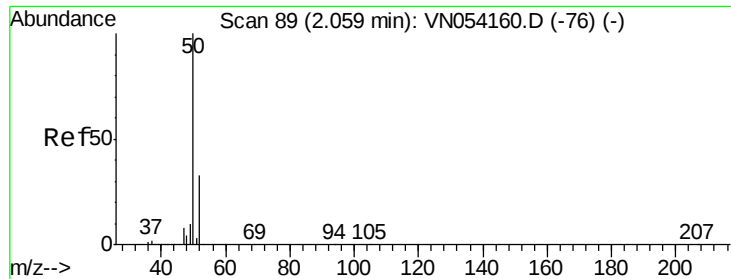
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.416 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

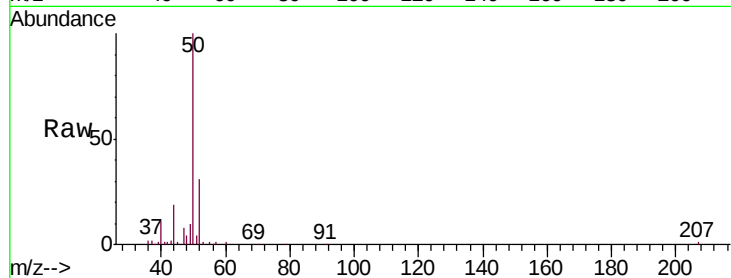
VSTDIC005

Tgt Ion: 50 Resp: 73689

Ion Ratio Lower Upper

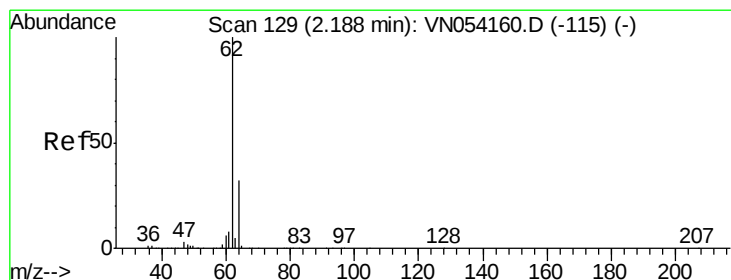
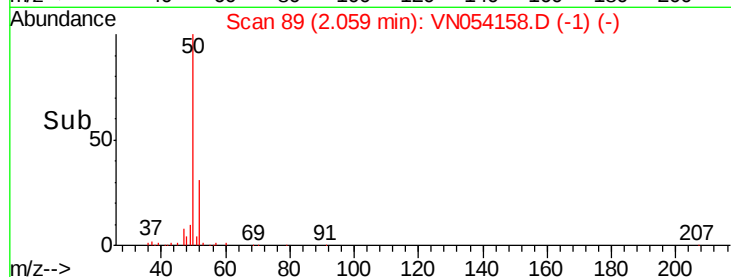
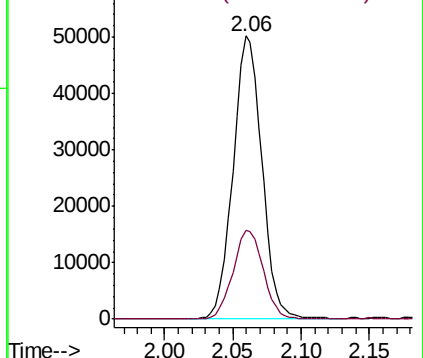
50 100

52 31.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 5.802 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054158.D

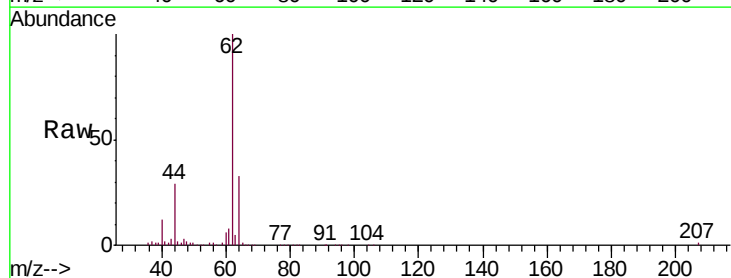
Acq: 12 Mar 2019 10:29

Tgt Ion: 62 Resp: 90237

Ion Ratio Lower Upper

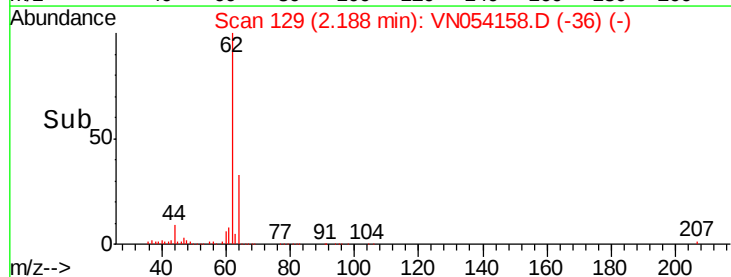
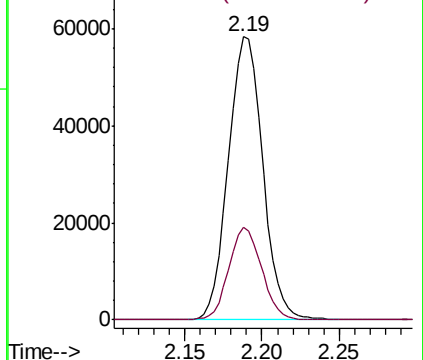
62 100

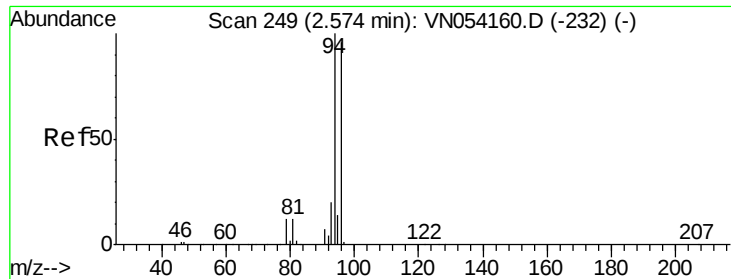
64 32.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 5.739 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

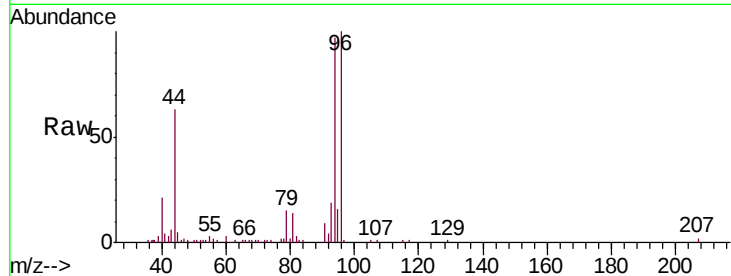
VSTDIC005

Tgt Ion: 94 Resp: 61820

Ion Ratio Lower Upper

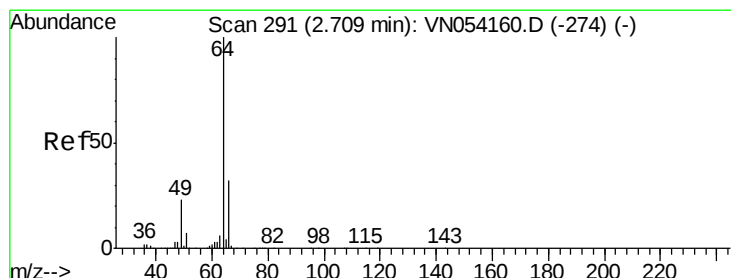
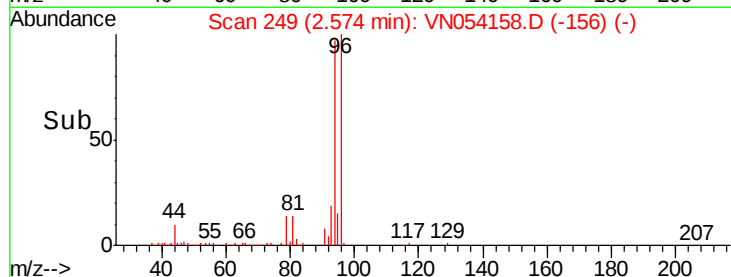
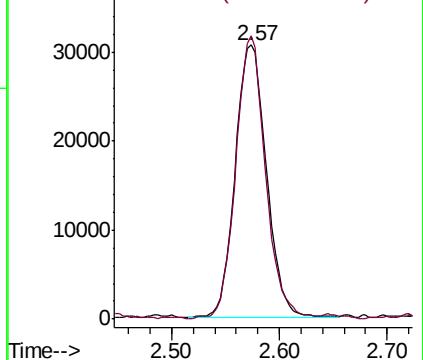
94 100

96 104.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.922 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054158.D

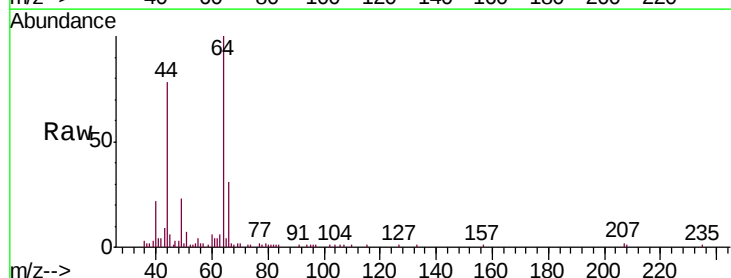
Acq: 12 Mar 2019 10:29

Tgt Ion: 64 Resp: 55724

Ion Ratio Lower Upper

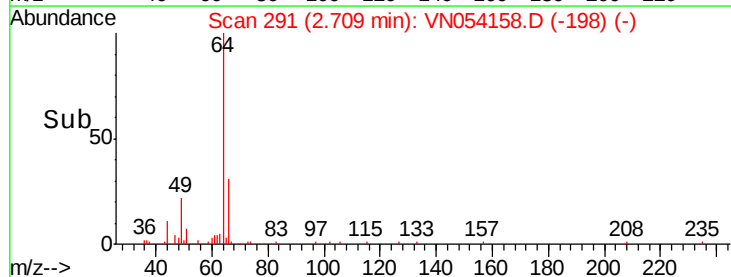
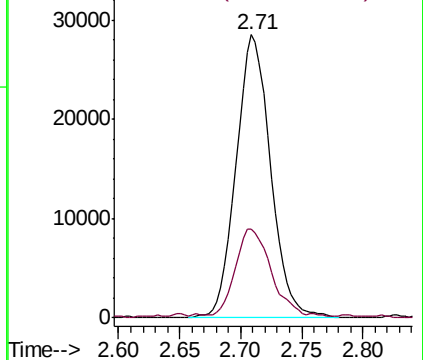
64 100

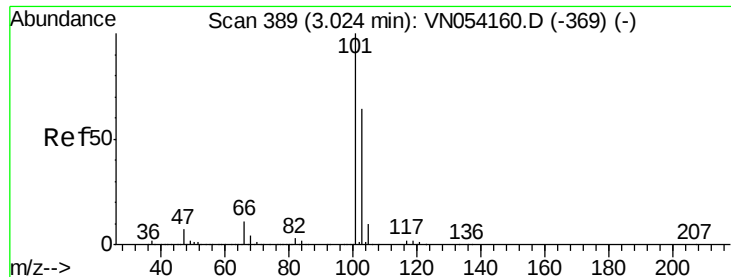
66 30.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



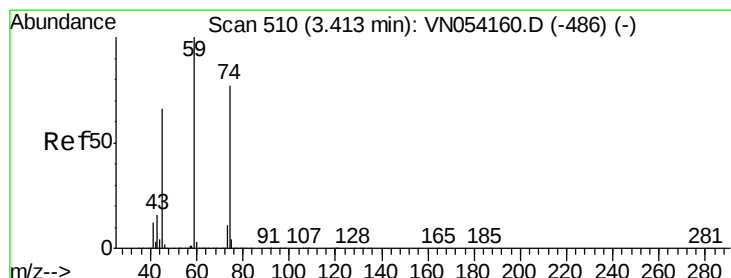
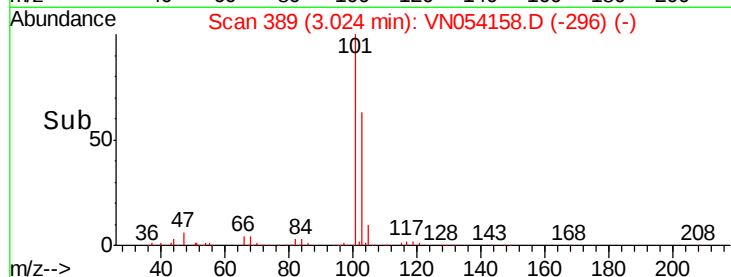
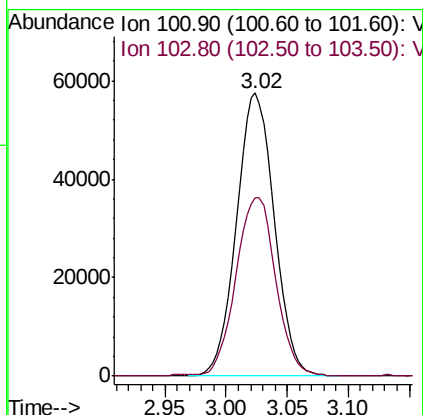
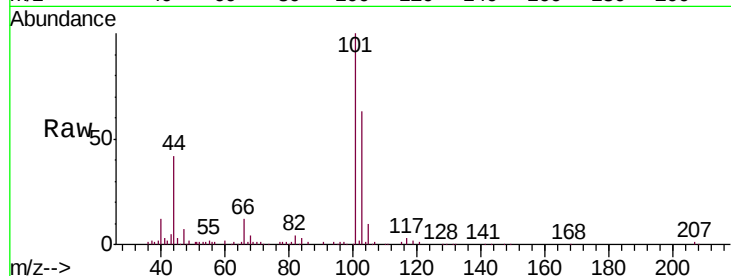


#7

Trichlorofluoromethane
 Concen: 5.963 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

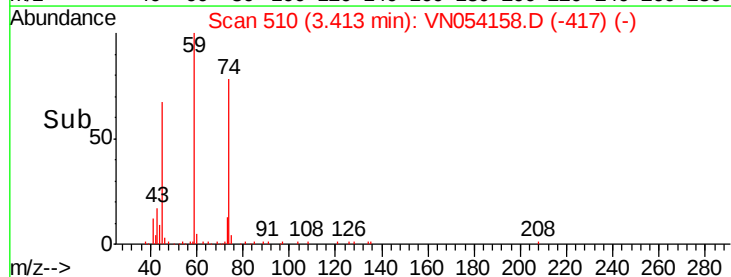
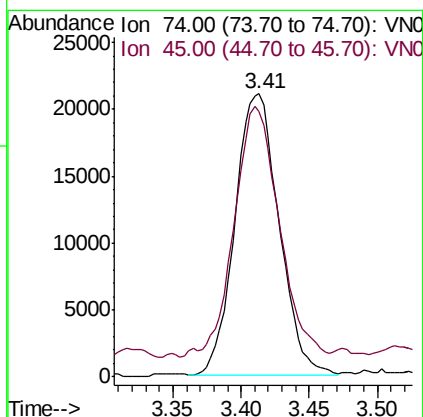
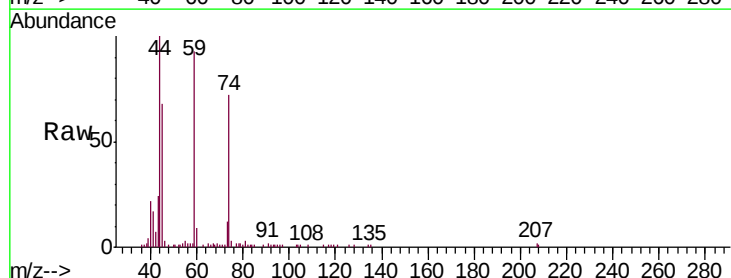
Tgt Ion:101 Resp: 123287
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.4 77.2

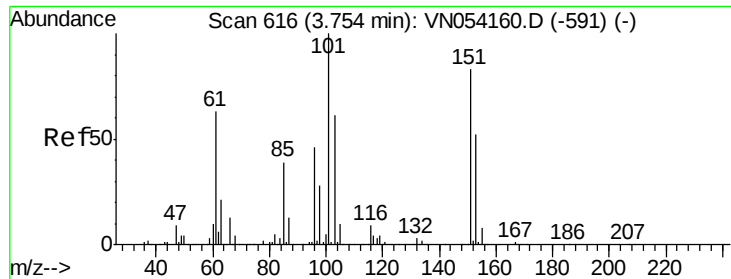


#8

Diethyl Ether
 Concen: 5.000 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 74 Resp: 47113
 Ion Ratio Lower Upper
 74 100
 45 91.0 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.026 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

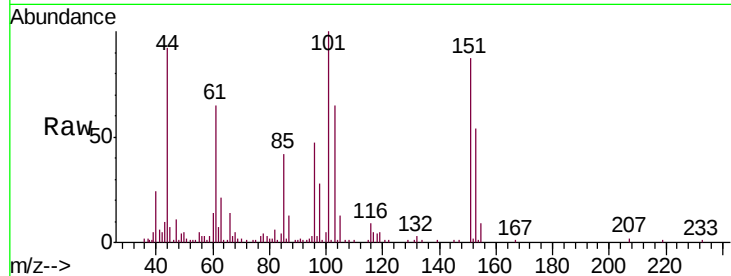
Tgt Ion:101 Resp: 77879

Ion Ratio Lower Upper

101 100

85 43.1 32.4 48.6

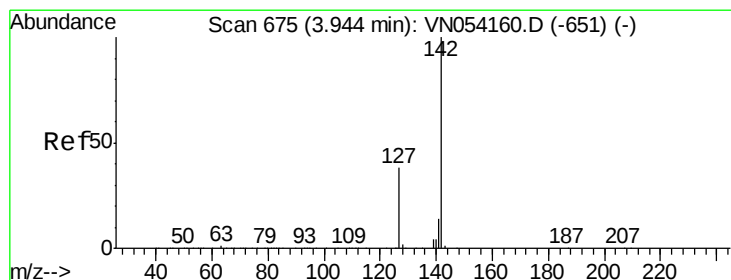
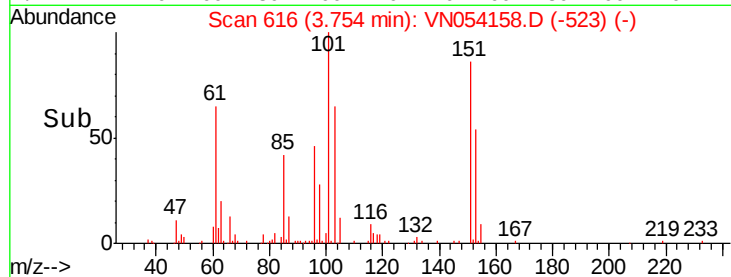
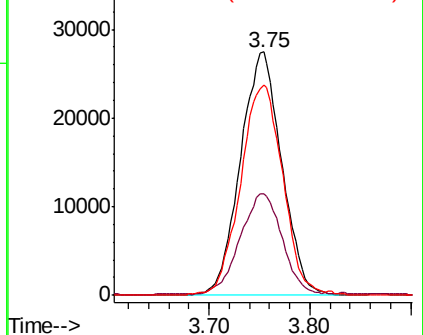
151 88.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.777 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

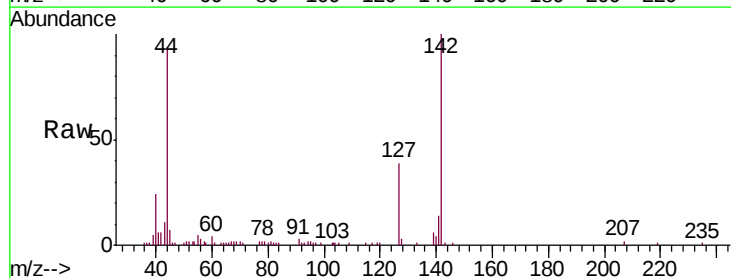
Tgt Ion:142 Resp: 74411

Ion Ratio Lower Upper

142 100

127 38.0 30.3 45.5

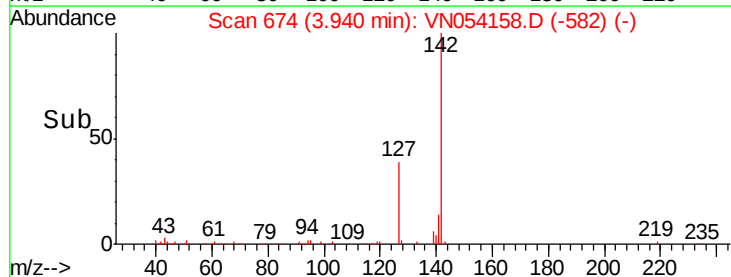
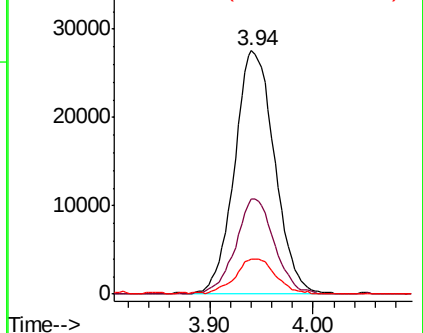
141 14.5 11.2 16.8

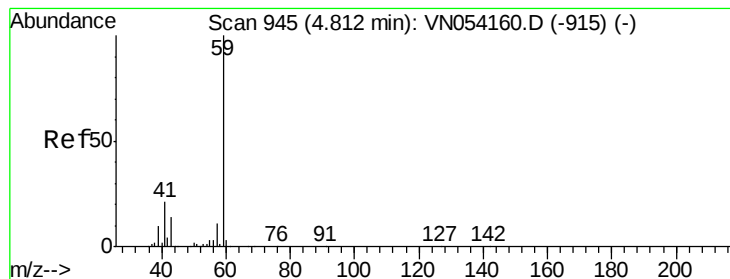


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



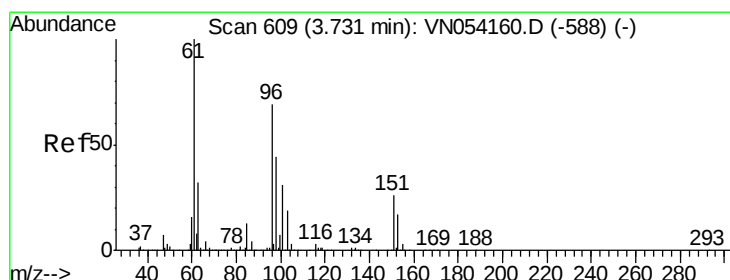
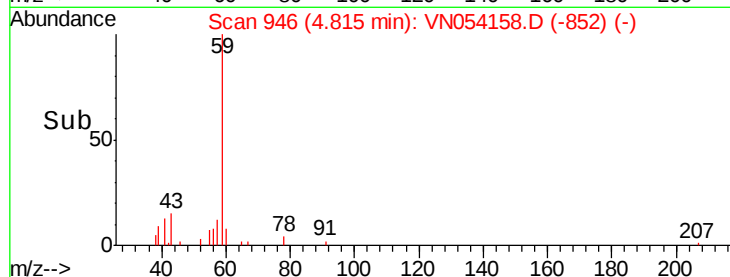
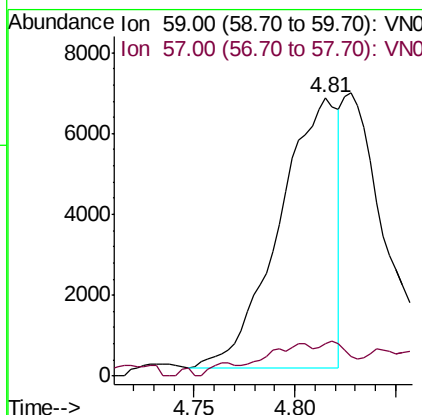
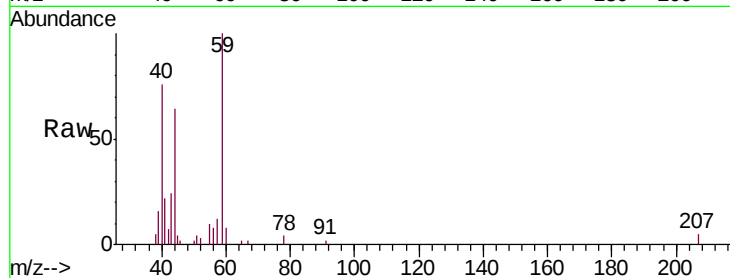


#11

Tert butyl alcohol
 Concen: 12.527 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

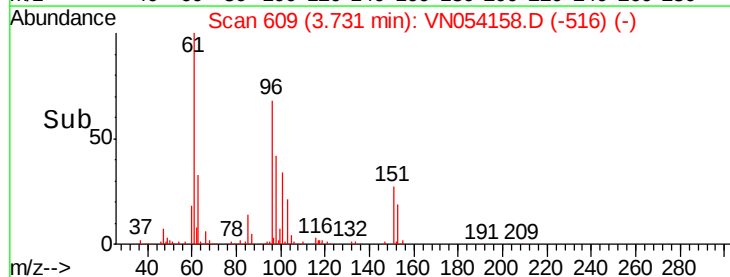
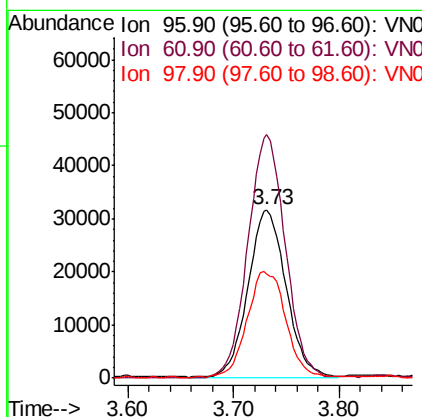
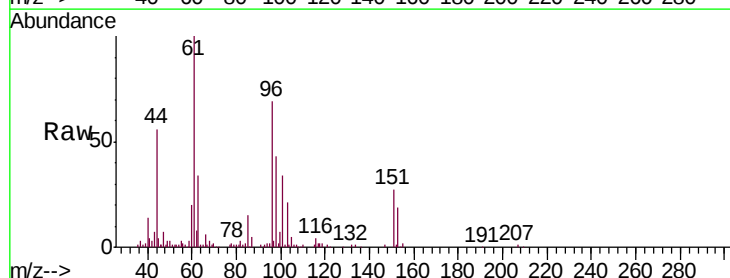
Tgt Ion: 59 Resp: 13534
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

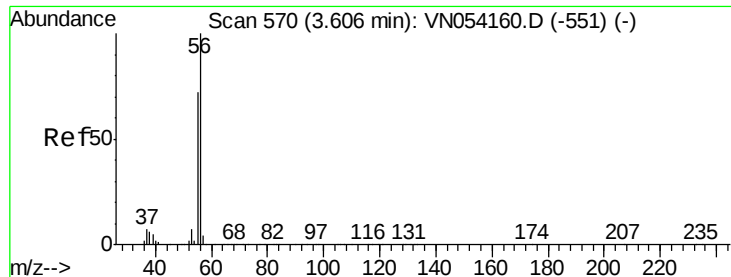


#12

1,1-Dichloroethene
 Concen: 5.137 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 96 Resp: 78876
 Ion Ratio Lower Upper
 96 100
 61 145.7 116.5 174.7
 98 62.0 51.0 76.4





#13

Acrolein

Concen: 27.635 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

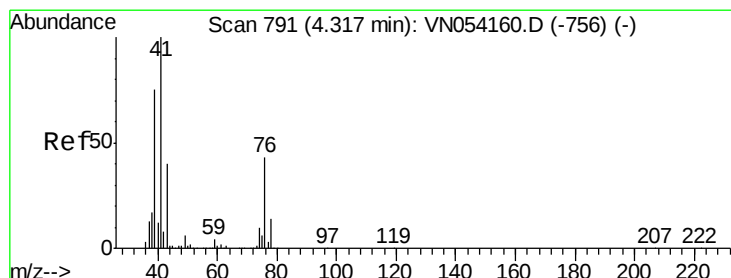
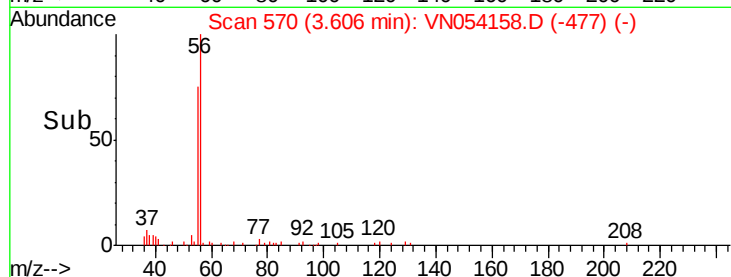
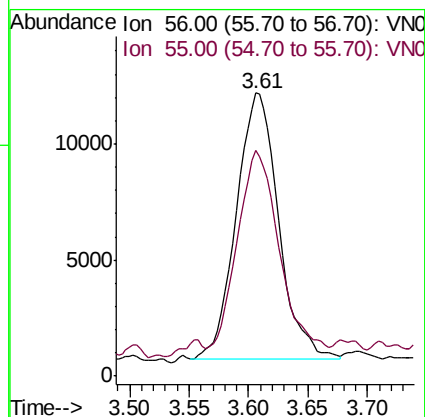
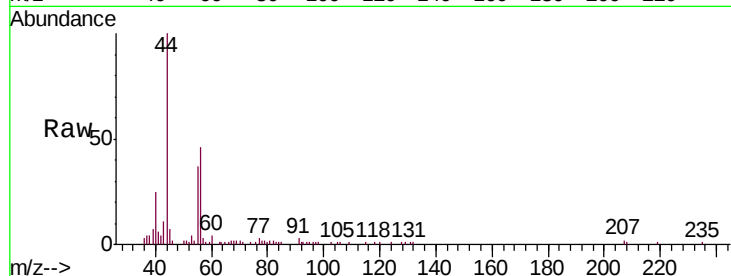
VSTDIC005

Tgt Ion: 56 Resp: 28178

Ion Ratio Lower Upper

56 100

55 73.5 56.7 85.1



#14

Allyl chloride

Concen: 4.822 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

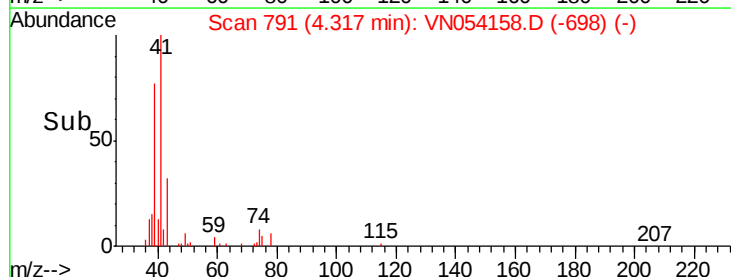
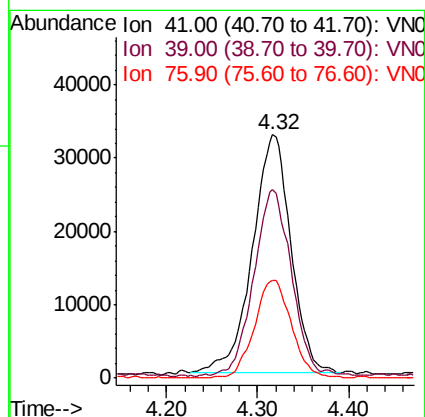
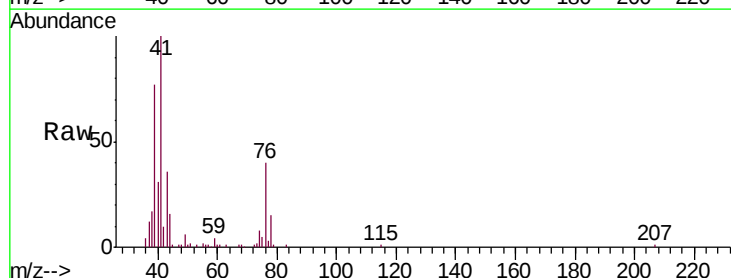
Tgt Ion: 41 Resp: 95003

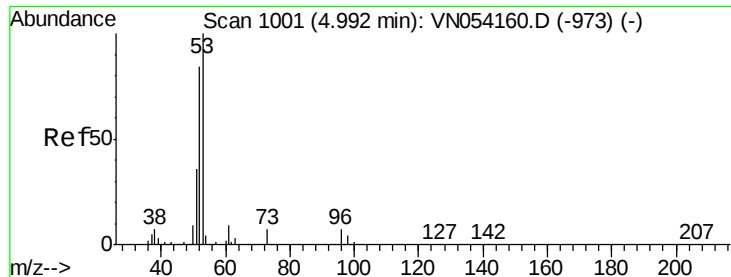
Ion Ratio Lower Upper

41 100

39 76.4 58.2 87.4

76 39.7 31.7 47.5





#15

Acrylonitrile

Concen: 24.513 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

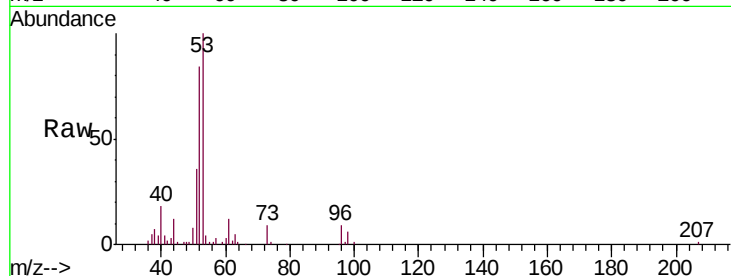
Tgt Ion: 53 Resp: 108351

Ion Ratio Lower Upper

53 100

52 83.6 66.4 99.6

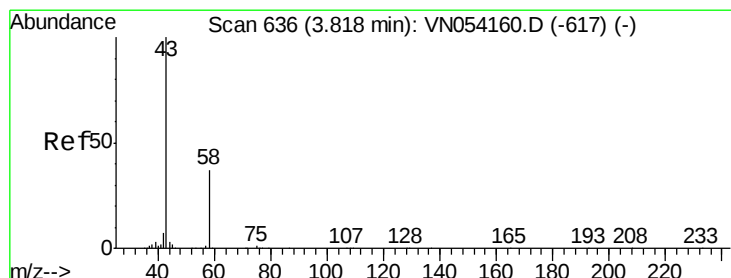
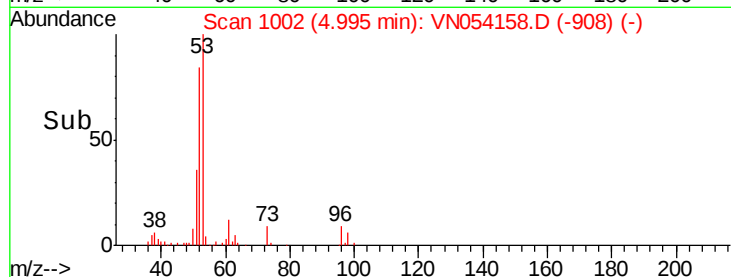
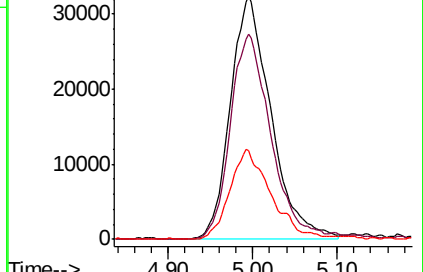
51 37.2 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054160.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054160.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054160.D (-973) (-)



#16

Acetone

Concen: 24.295 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054158.D

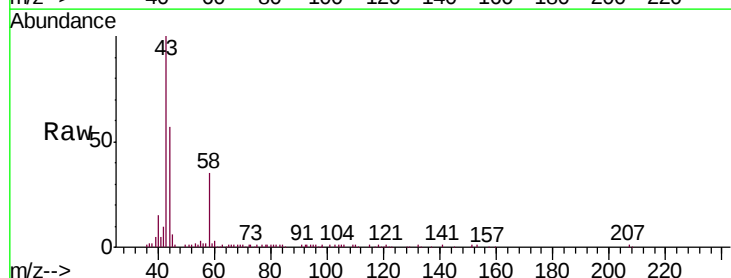
Acq: 12 Mar 2019 10:29

Tgt Ion: 43 Resp: 109187

Ion Ratio Lower Upper

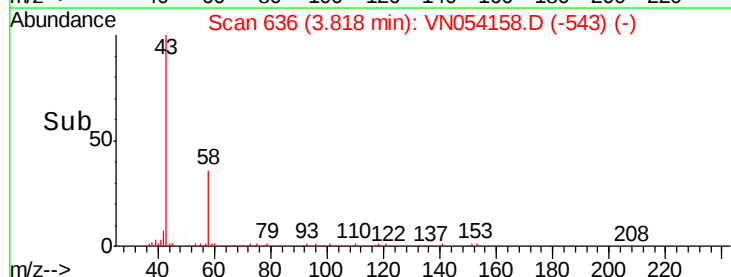
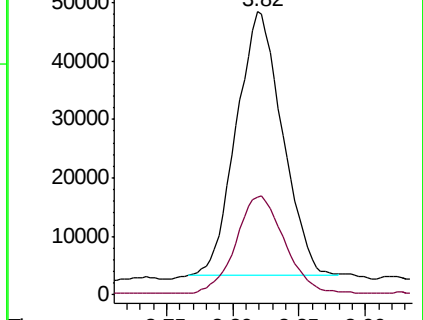
43 100

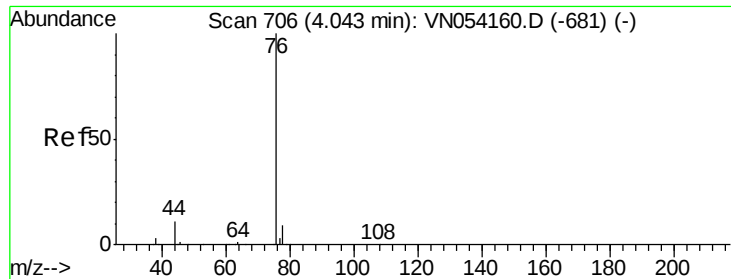
58 36.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)

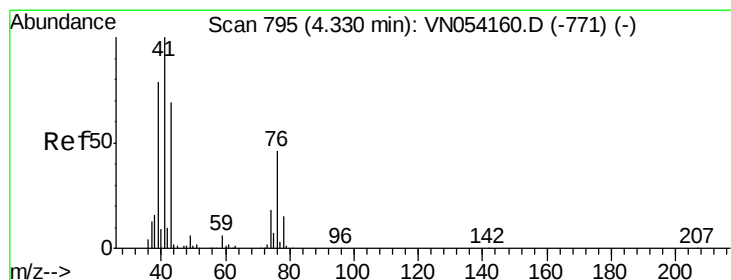
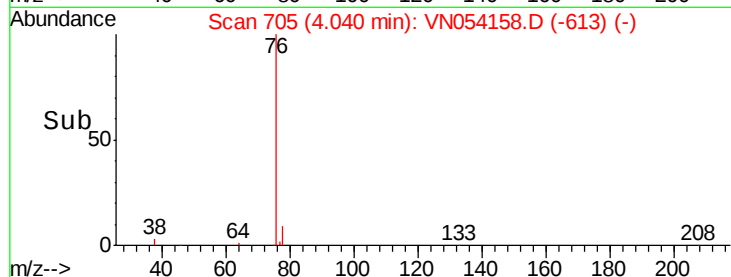
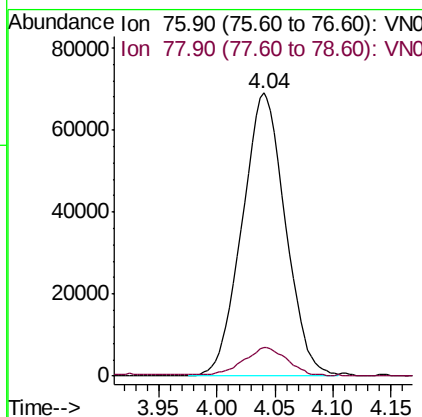
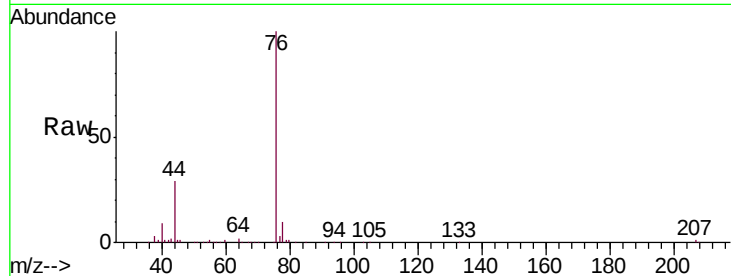




#17
Carbon Disulfide
Concen: 4.658 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

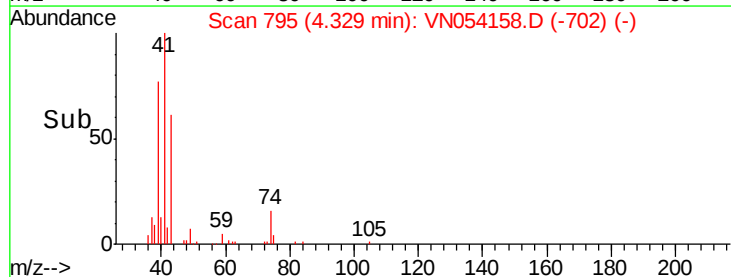
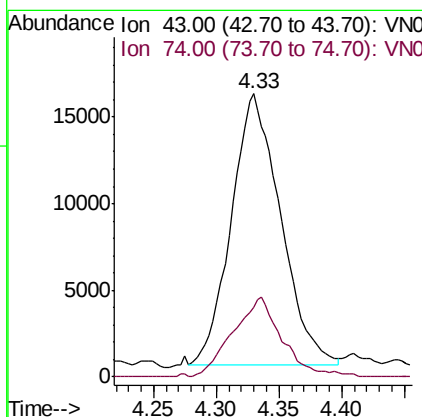
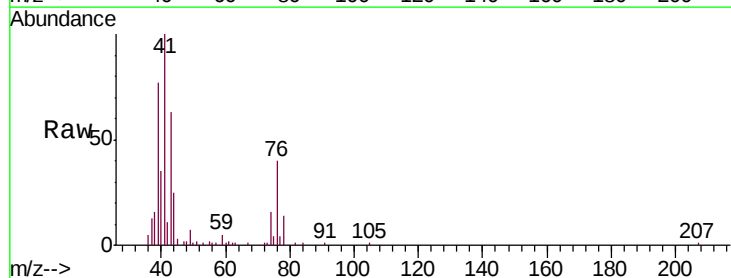
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

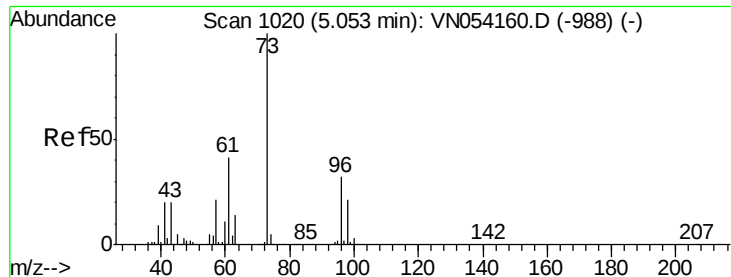
Tgt Ion: 76 Resp: 179301
Ion Ratio Lower Upper
76 100
78 9.8 7.5 11.3



#18
Methyl Acetate
Concen: 4.719 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 43 Resp: 42912
Ion Ratio Lower Upper
43 100
74 29.2 20.8 31.2





#19

Methyl tert-butyl Ether

Concen: 4.950 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

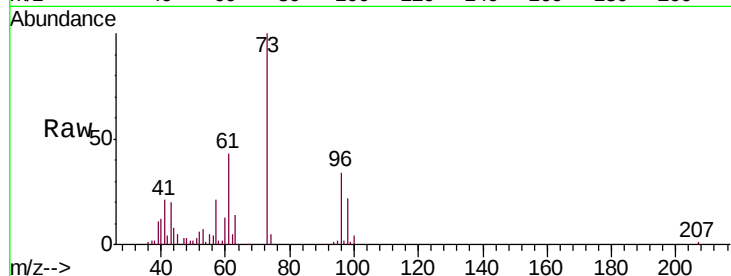
VSTDIC005

Tgt Ion: 73 Resp: 188399

Ion Ratio Lower Upper

73 100

57 20.3 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN054160.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN054160.D (-988) (-)

5.05

60000

50000

40000

30000

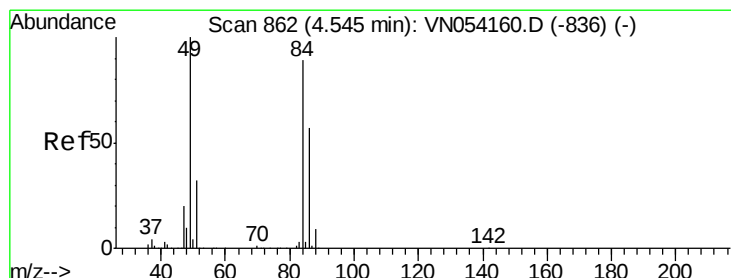
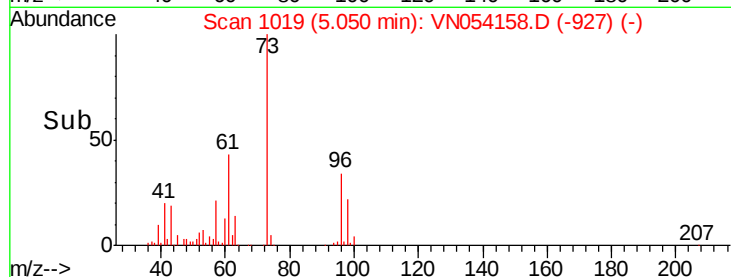
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 5.143 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Tgt Ion: 84 Resp: 75902

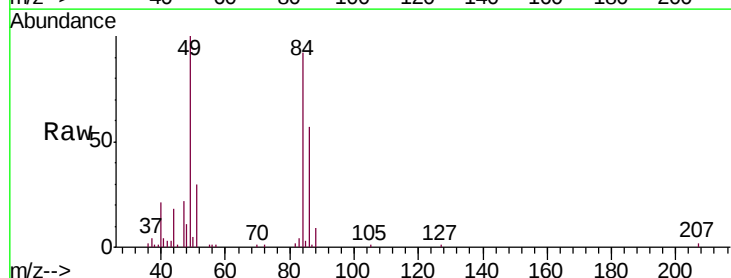
Ion Ratio Lower Upper

84 100

49 108.3 89.7 134.5

51 33.0 28.2 42.4

86 61.5 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN054160.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN054160.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN054160.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN054160.D (-836) (-)

40000

30000

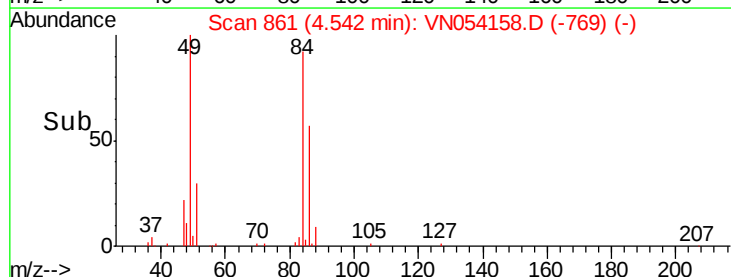
20000

10000

0

4.40 4.50 4.60

Time-->

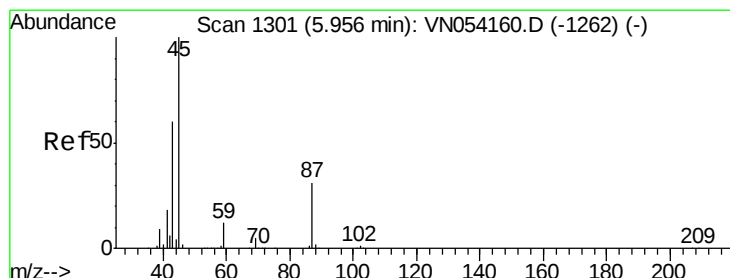
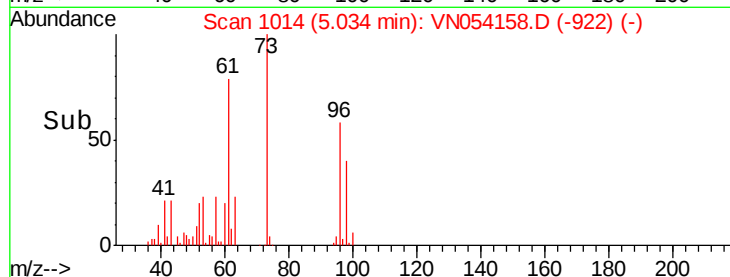
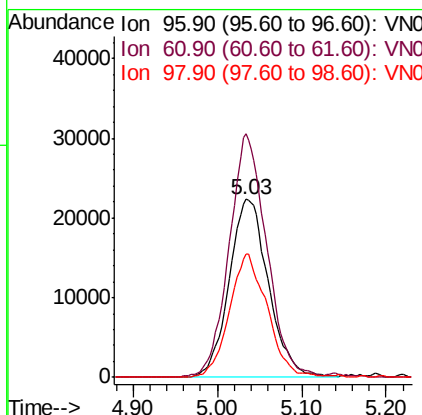
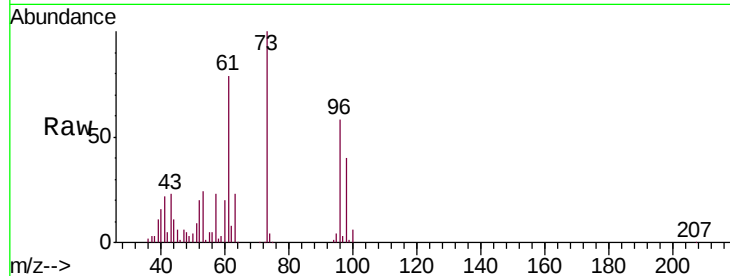




#21
trans-1,2-Dichloroethene
Concen: 4.930 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

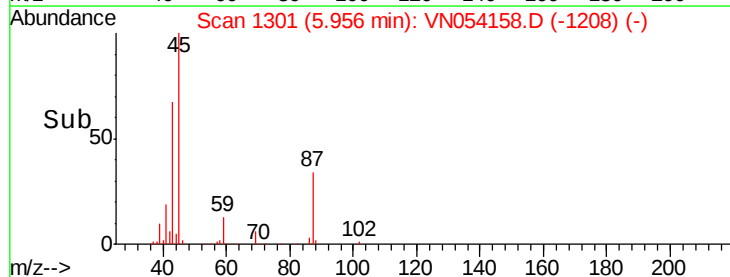
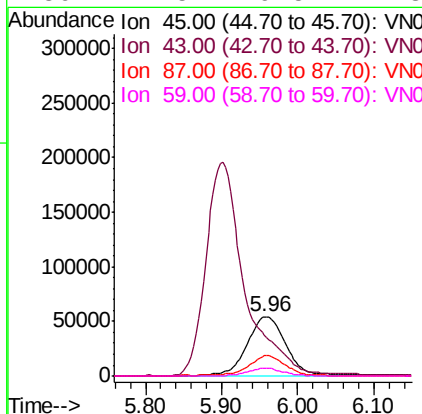
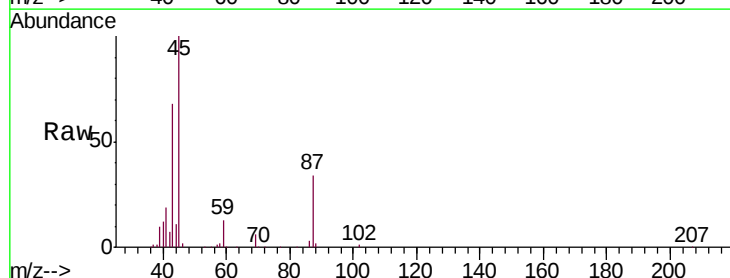
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

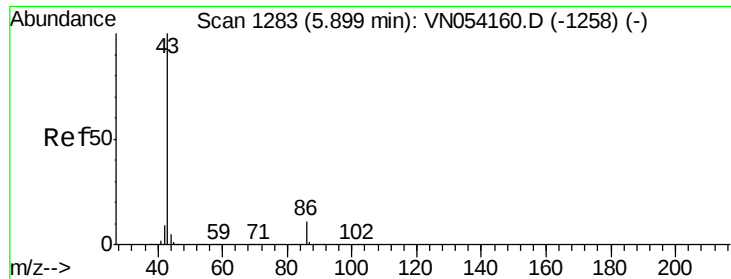
Tgt Ion: 96 Resp: 72537
Ion Ratio Lower Upper
96 100
61 135.7 102.8 154.2
98 69.5 50.0 75.0



#22
Diisopropyl ether
Concen: 4.802 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 45 Resp: 188804
Ion Ratio Lower Upper
45 100
43 63.5 48.2 72.2
87 33.2 24.9 37.3
59 12.5 9.5 14.3

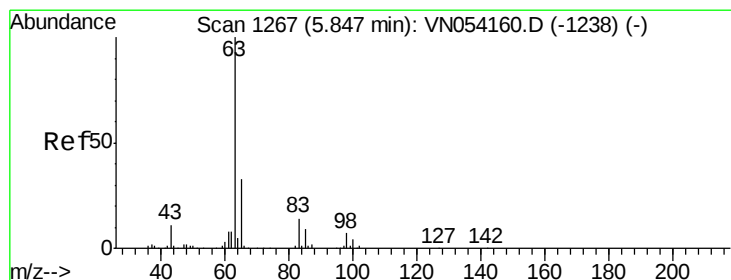
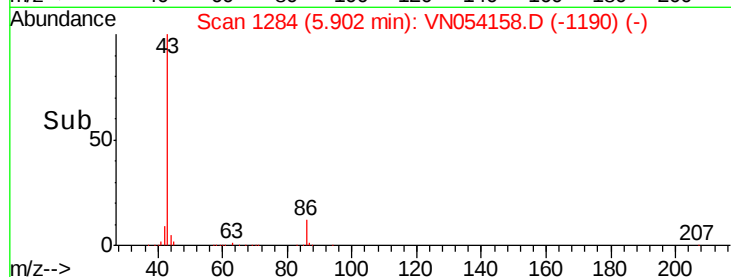
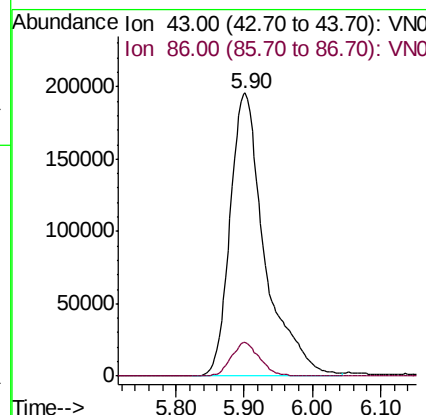
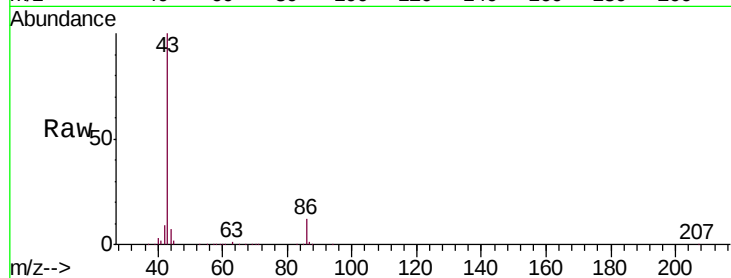




#23
 Vinyl Acetate
 Concen: 23.770 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

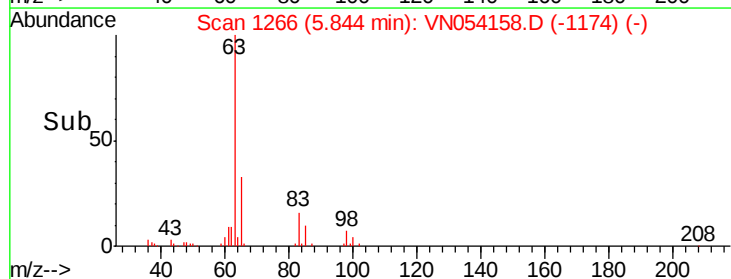
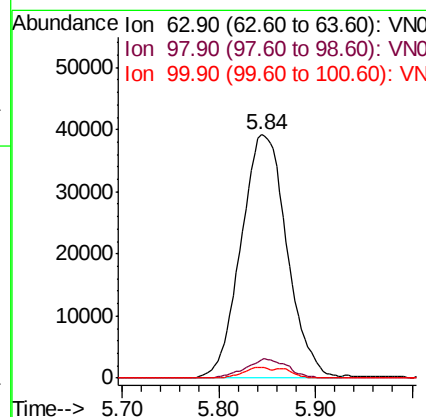
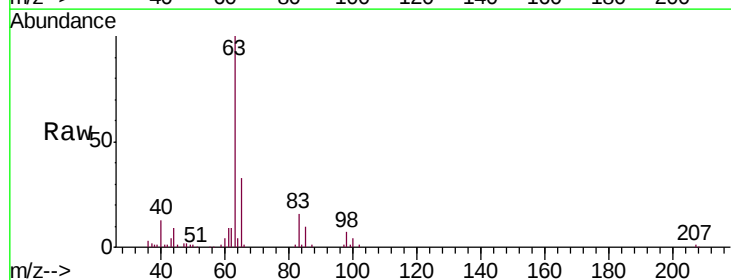
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

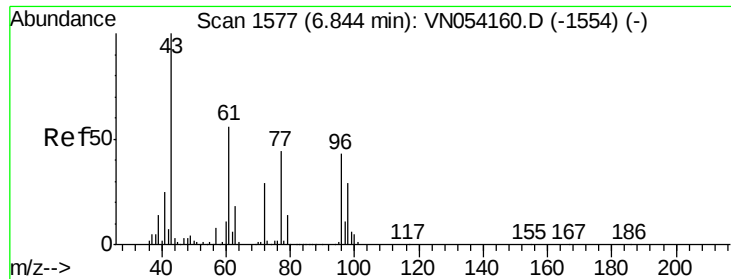
Tgt Ion: 43 Resp: 689092
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 5.119 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 63 Resp: 129246
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.5
 100 4.1 2.0 6.0

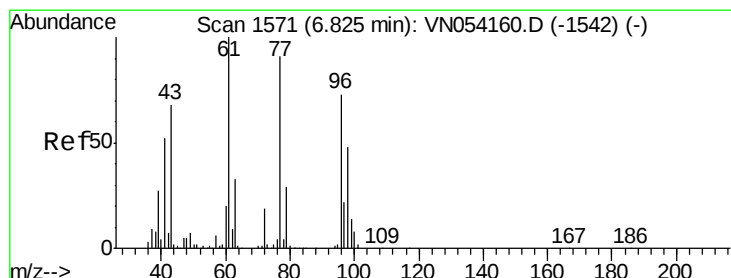
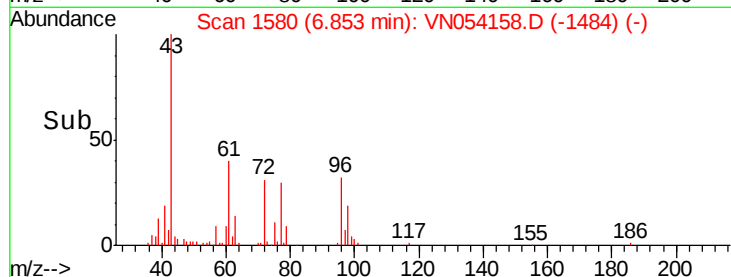
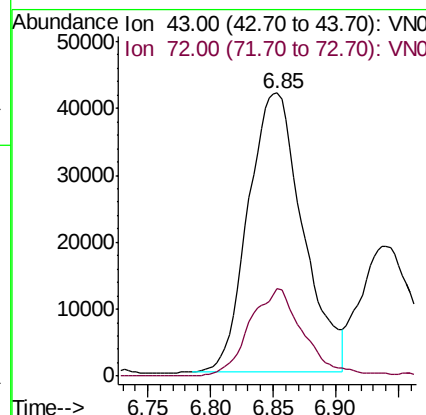
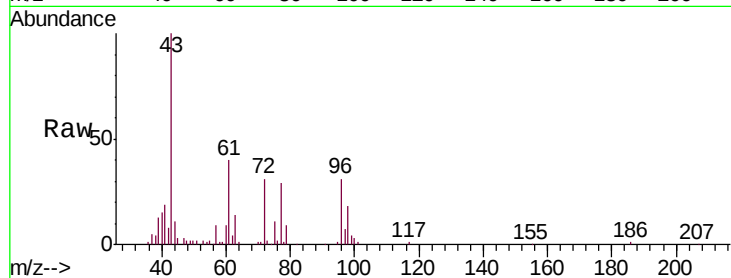




#25
 2-Butanone
 Concen: 24.086 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

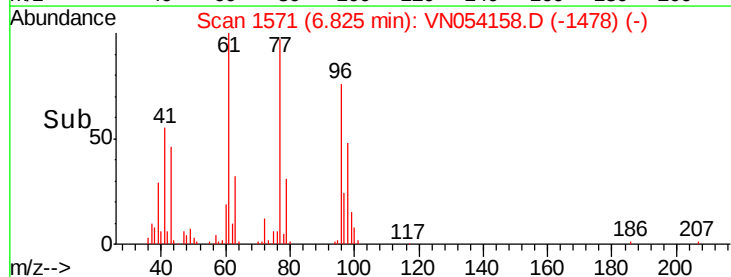
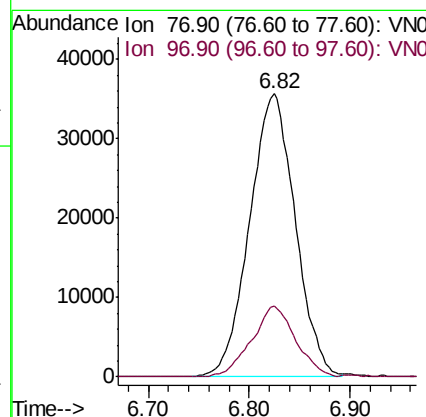
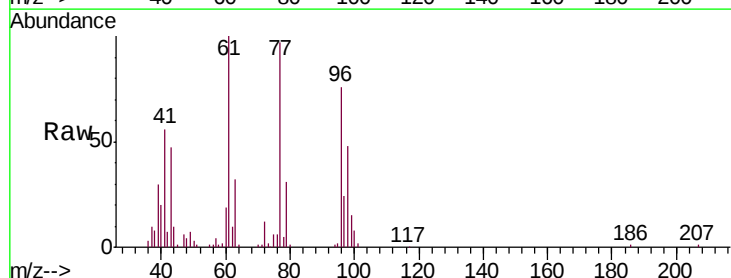
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

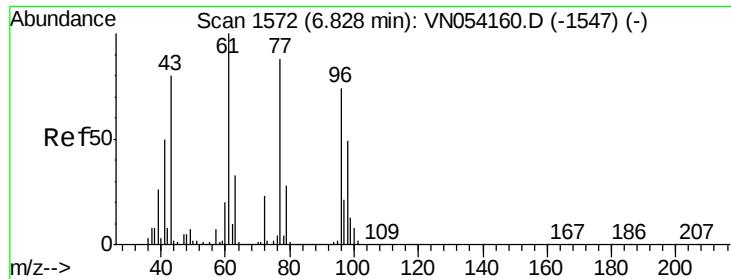
Tgt Ion: 43 Resp: 127050
 Ion Ratio Lower Upper
 43 100
 72 31.3 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 5.040 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 77 Resp: 111897
 Ion Ratio Lower Upper
 77 100
 97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 4.990 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

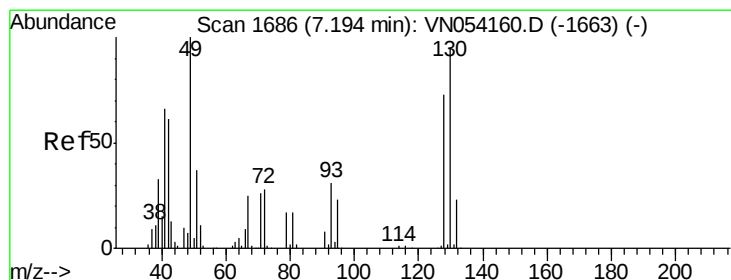
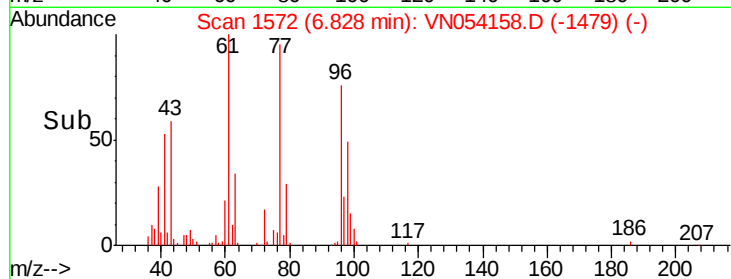
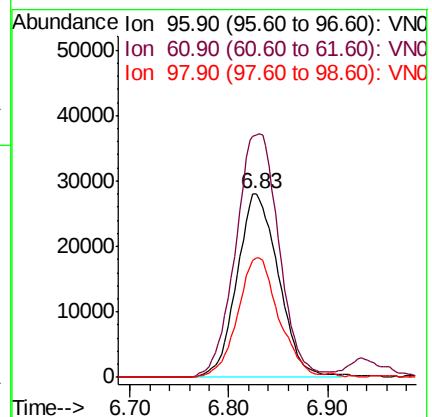
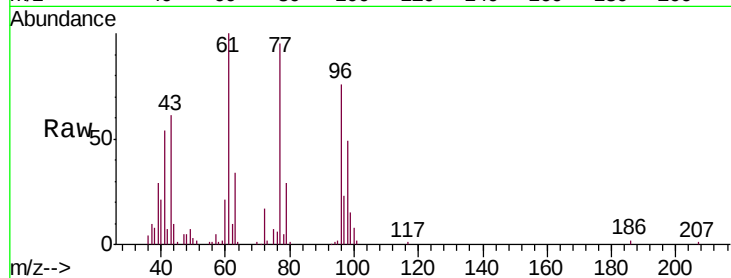
Tgt Ion: 96 Resp: 81903

Ion Ratio Lower Upper

96 100

61 138.7 0.0 273.0

98 64.3 0.0 130.6



#28

Bromochloromethane

Concen: 5.208 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

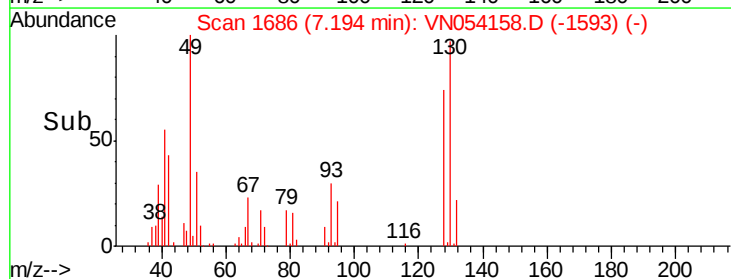
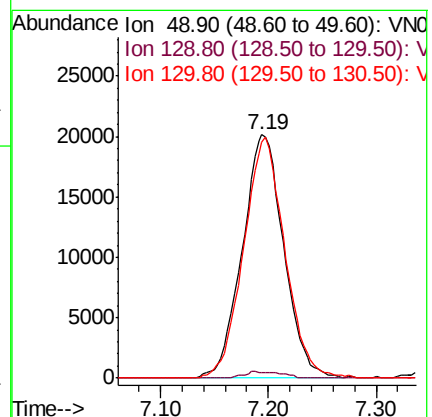
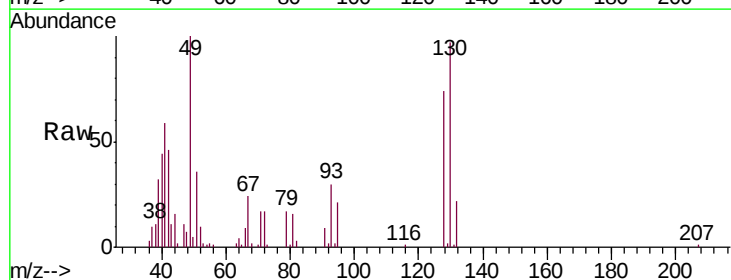
Tgt Ion: 49 Resp: 53752

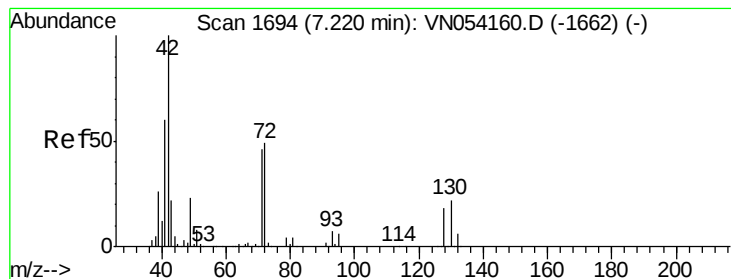
Ion Ratio Lower Upper

49 100

129 1.2 0.0 4.6

130 98.5 76.7 115.1





#29

Tetrahydrofuran

Concen: 25.073 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

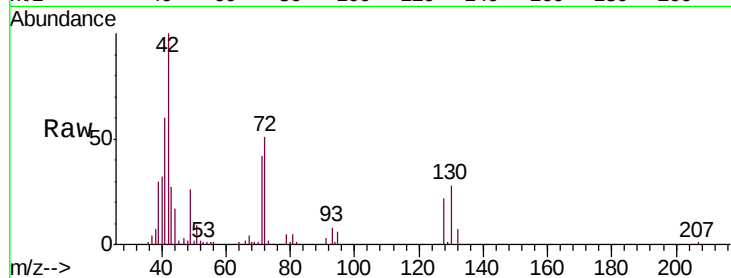
Tgt Ion: 42 Resp: 85037

Ion Ratio Lower Upper

42 100

72 46.5 37.8 56.6

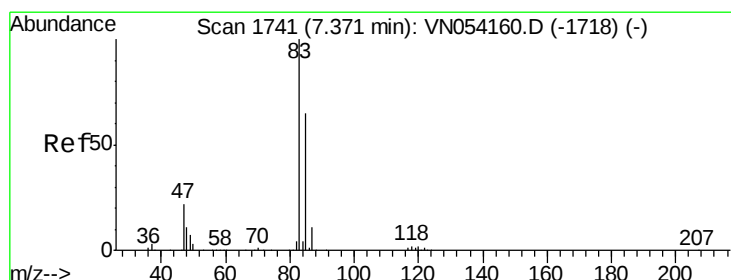
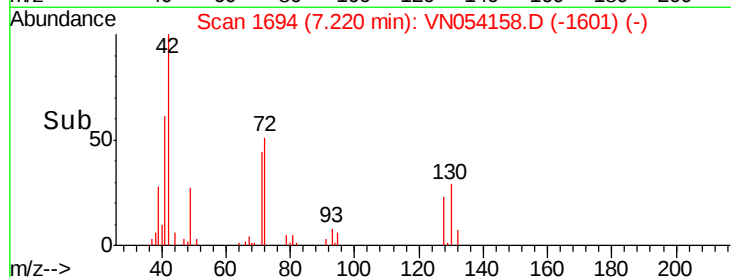
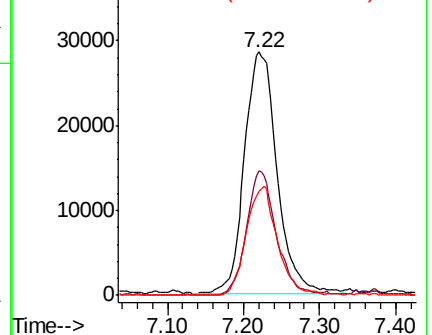
71 42.3 36.2 54.2



Abundance Ion 42.00 (41.70 to 42.70): VN054160.D (-1662) (-)

Ion 72.00 (71.70 to 72.70): VN054160.D (-1662) (-)

Ion 71.00 (70.70 to 71.70): VN054160.D (-1662) (-)



#30

Chloroform

Concen: 5.025 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054158.D

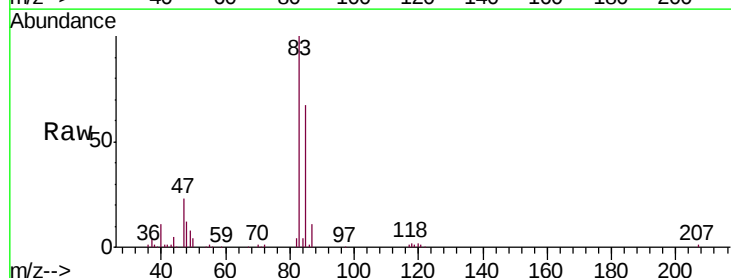
Acq: 12 Mar 2019 10:29

Tgt Ion: 83 Resp: 132386

Ion Ratio Lower Upper

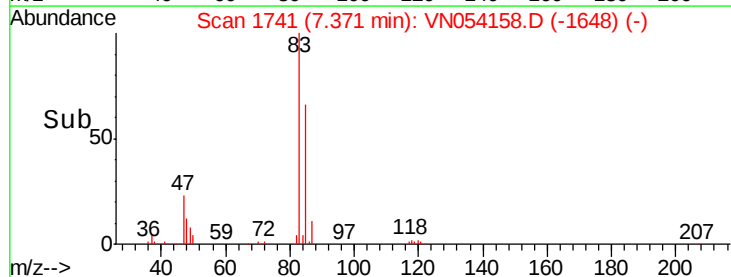
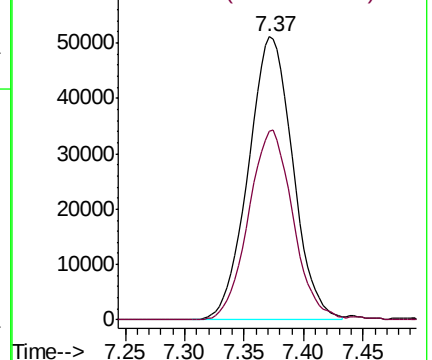
83 100

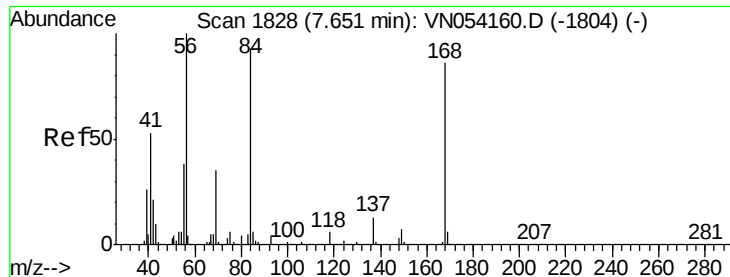
85 66.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN054160.D (-1718) (-)

Ion 84.90 (84.60 to 85.60): VN054160.D (-1718) (-)

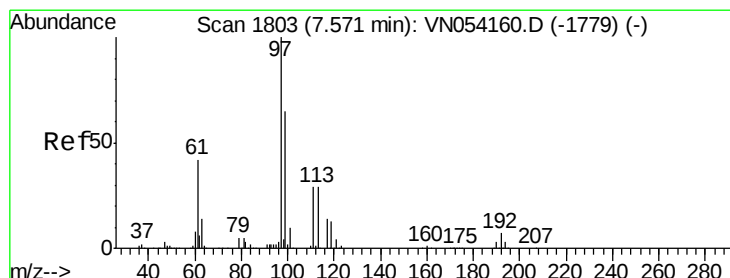
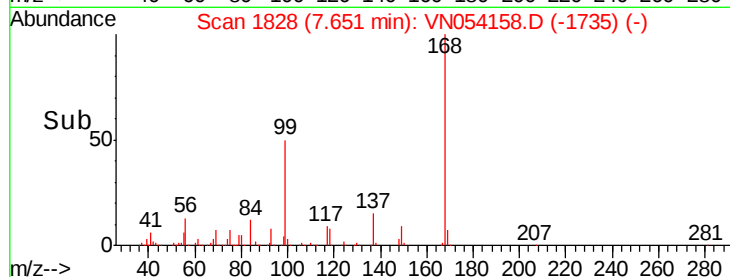
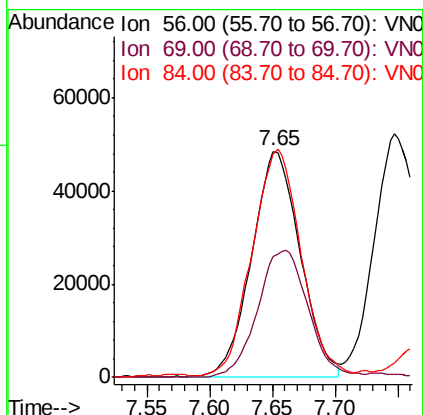
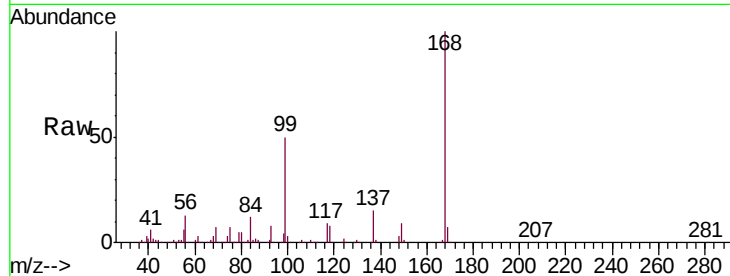




#31
Cyclohexane
Concen: 4.428 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

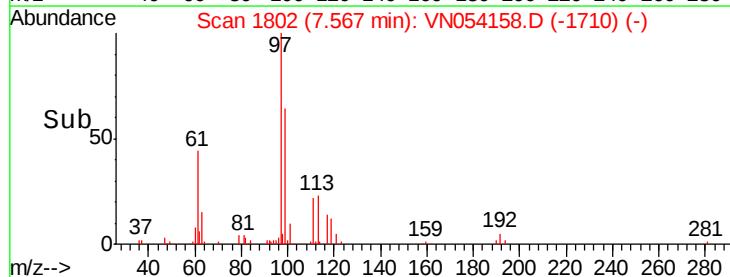
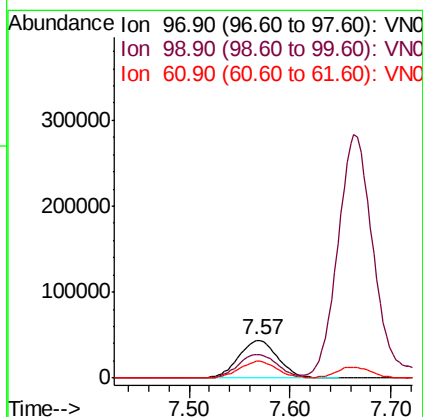
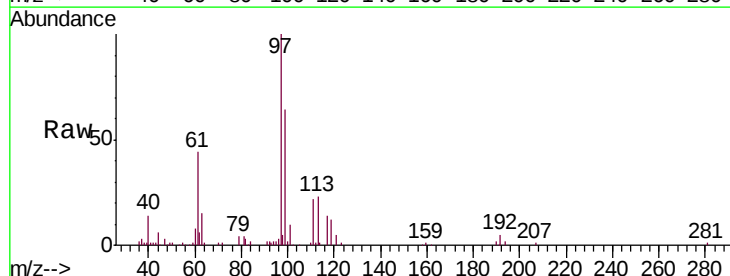
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

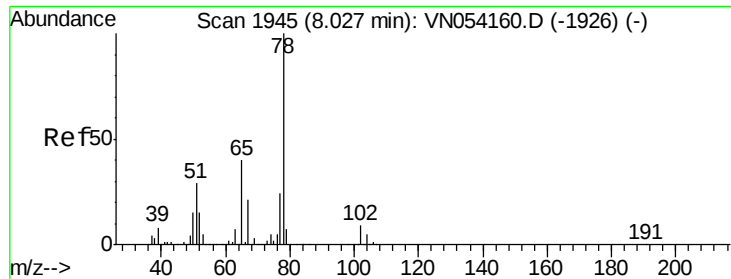
Tgt Ion: 56 Resp: 130935
Ion Ratio Lower Upper
56 100
69 52.8 27.8 41.6#
84 98.0 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 4.987 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 97 Resp: 118651
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 42.5 33.6 50.4

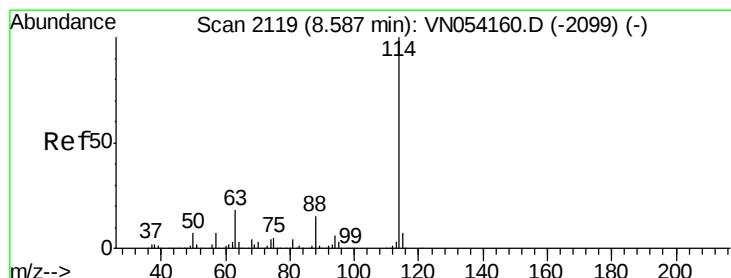
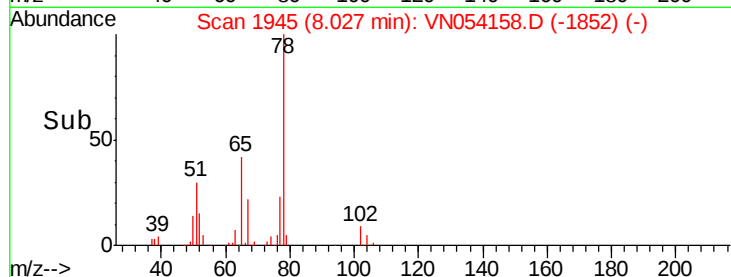
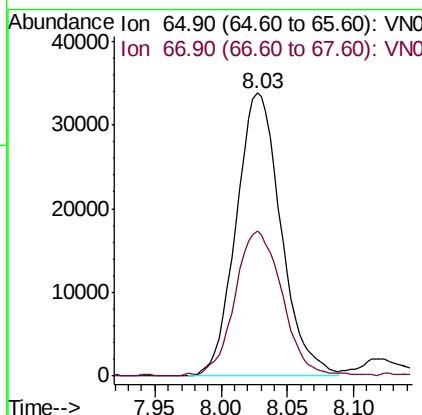
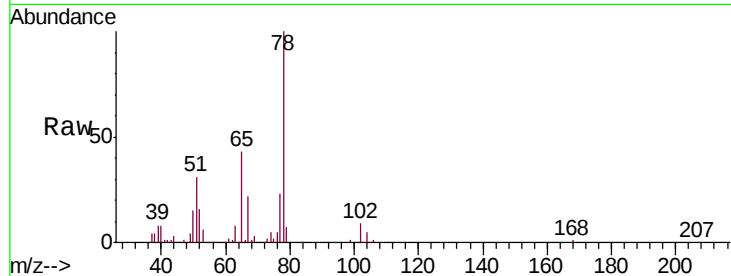




#33
 1,2-Dichloroethane-d4
 Concen: 5.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

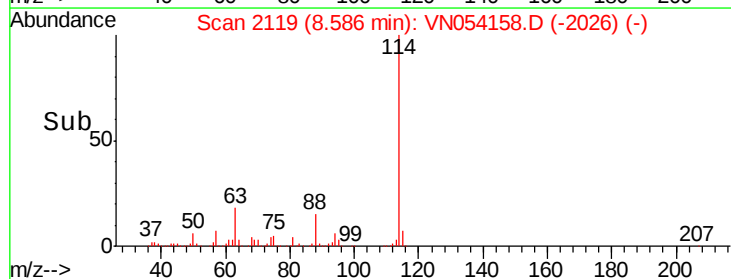
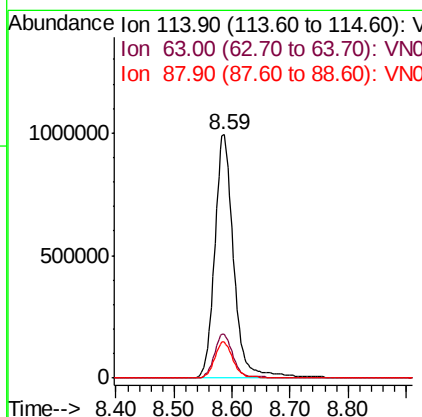
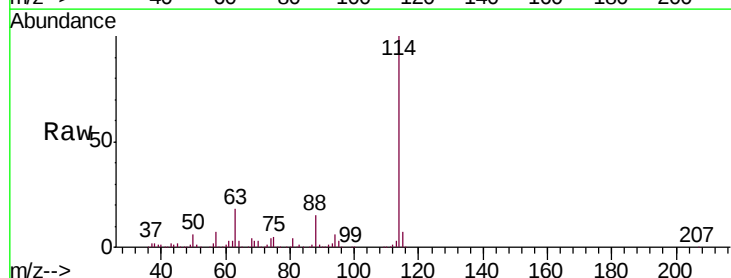
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

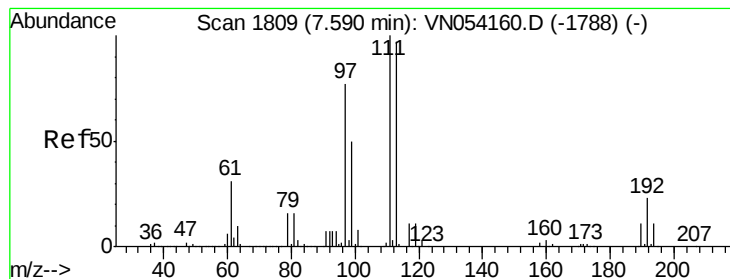
Tgt Ion: 65 Resp: 79421
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 114 Resp: 2264646
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 4.883 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

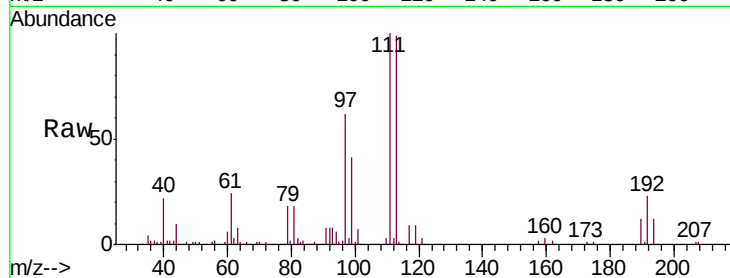
Tgt Ion:113 Resp: 71318

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

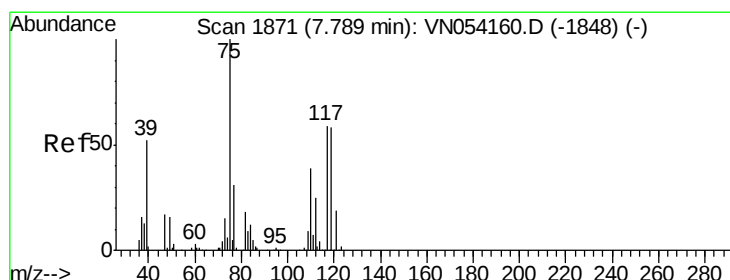
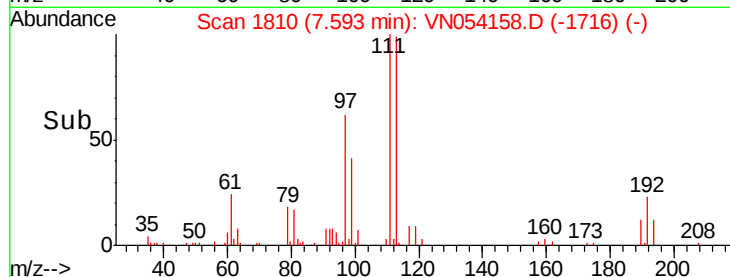
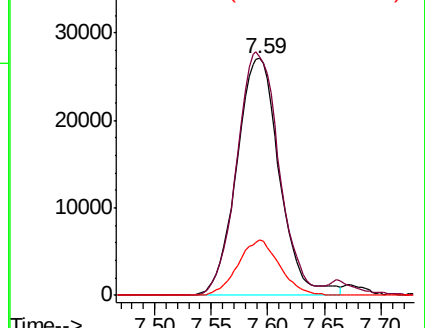
192 22.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.810 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

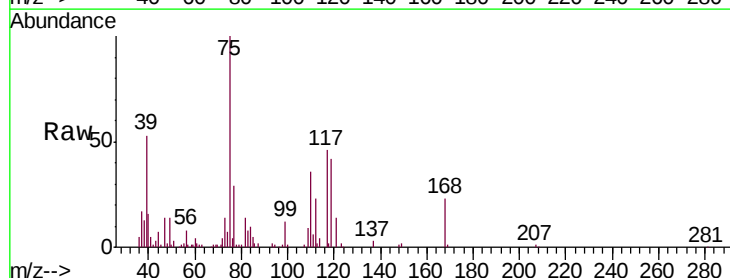
Tgt Ion: 75 Resp: 100323

Ion Ratio Lower Upper

75 100

110 37.4 19.1 57.5

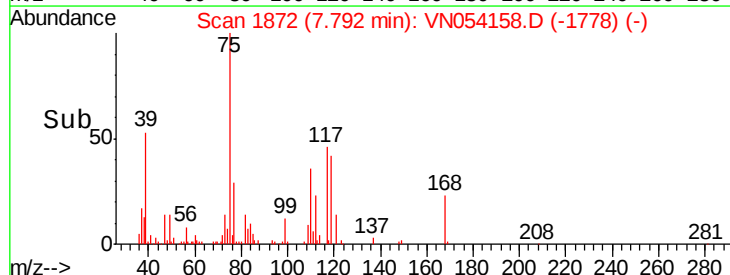
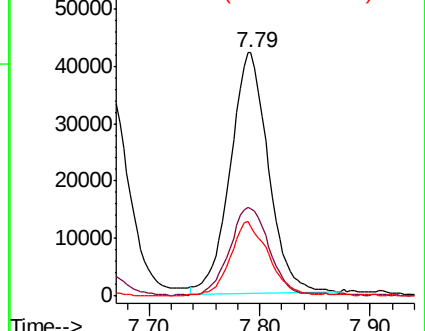
77 31.3 25.0 37.4

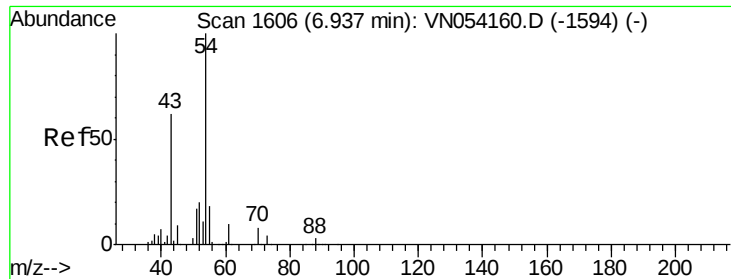


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

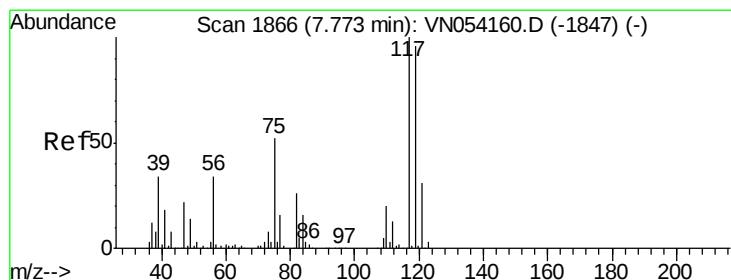
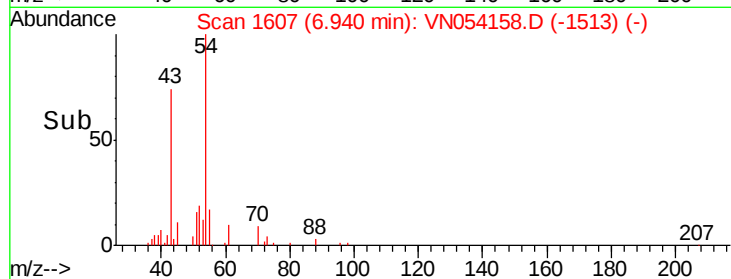
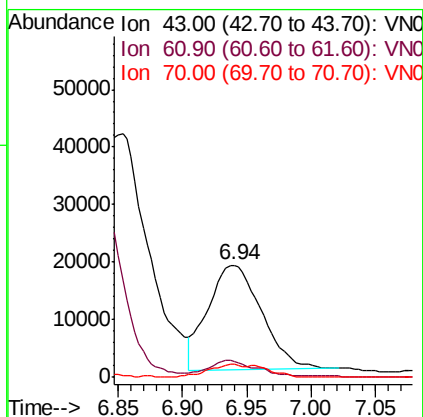
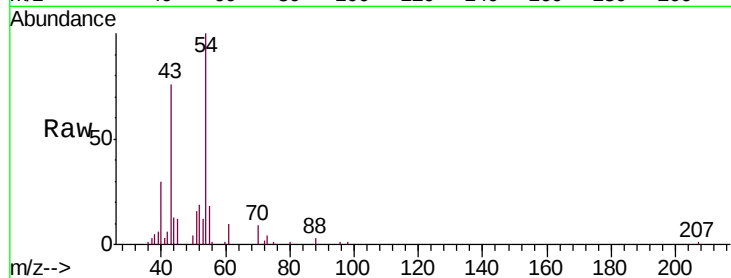




#37
 Ethyl Acetate
 Concen: 4.307 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

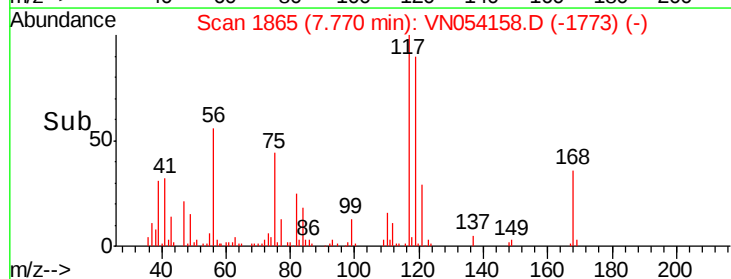
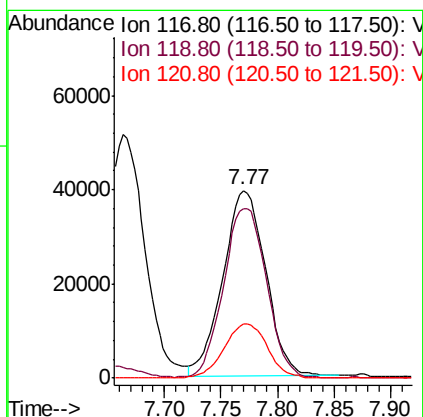
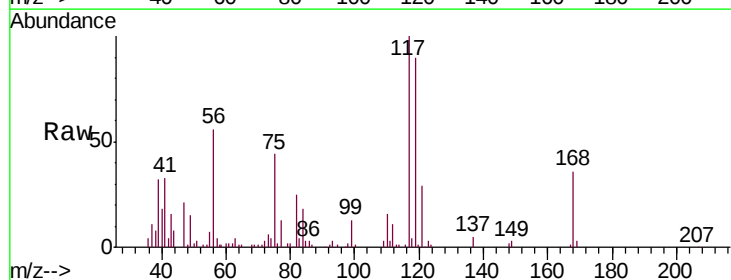
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

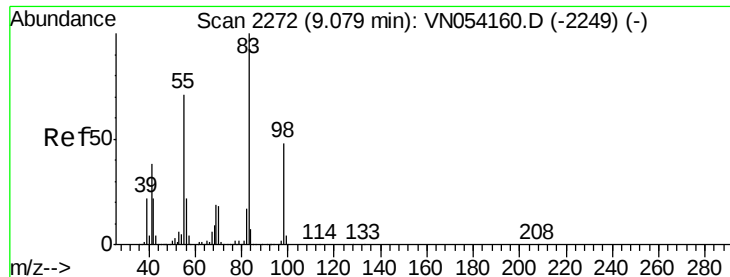
Tgt Ion: 43 Resp: 52992
 Ion Ratio Lower Upper
 43 100
 61 12.7 11.8 17.6
 70 7.8 8.4 12.6#



#38
 Carbon Tetrachloride
 Concen: 4.760 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 117 Resp: 104108
 Ion Ratio Lower Upper
 117 100
 119 91.5 76.3 114.5
 121 29.2 24.6 36.8

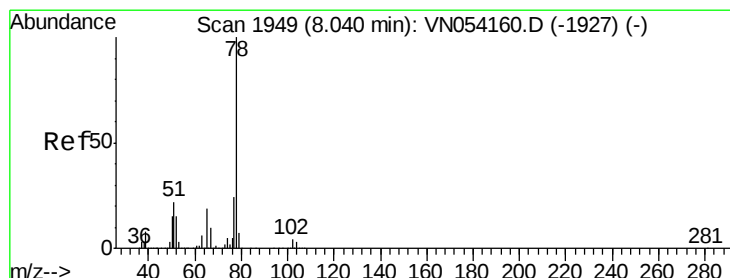
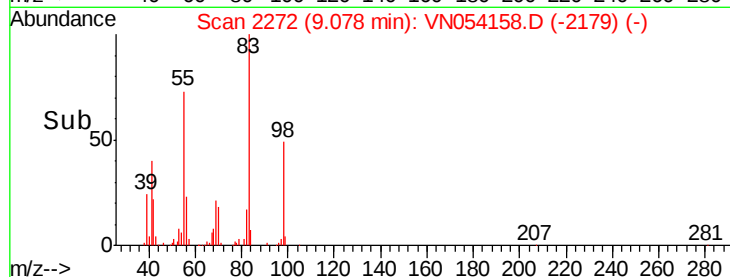
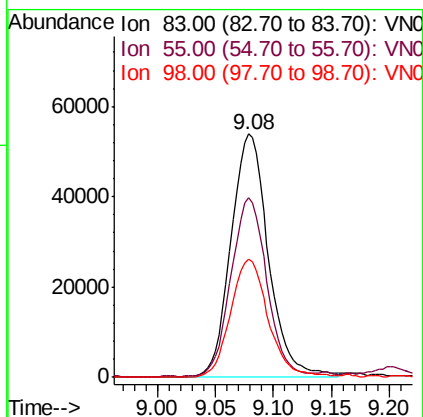
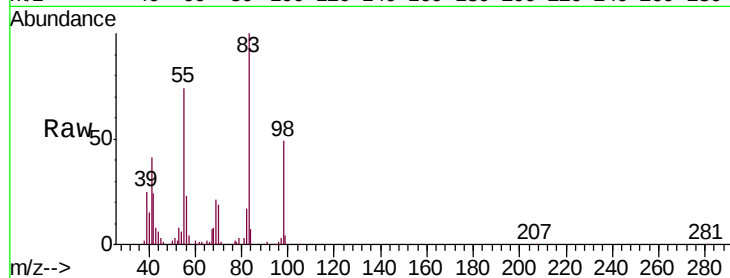




#39
Methylcyclohexane
Concen: 4.723 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

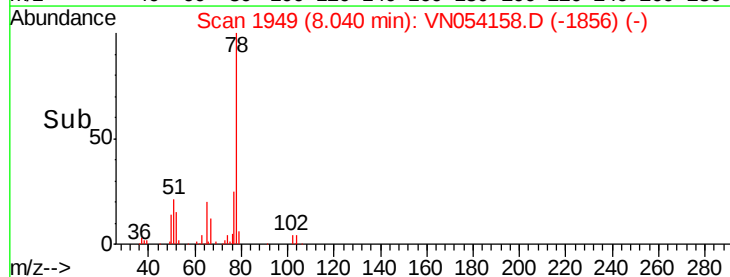
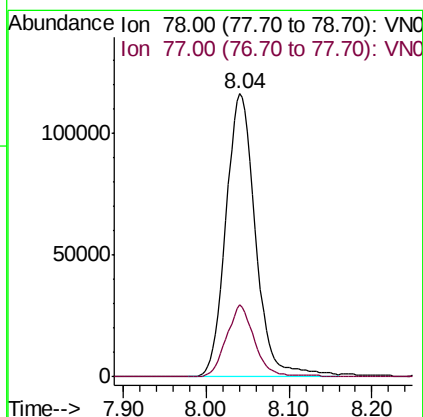
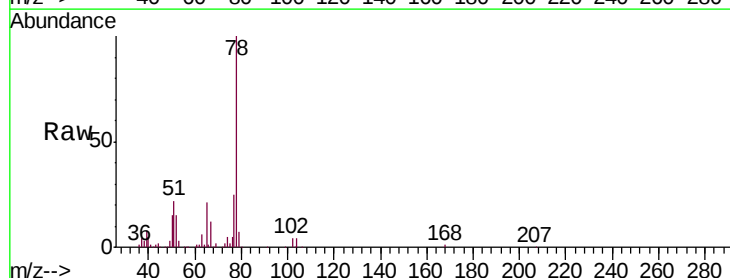
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

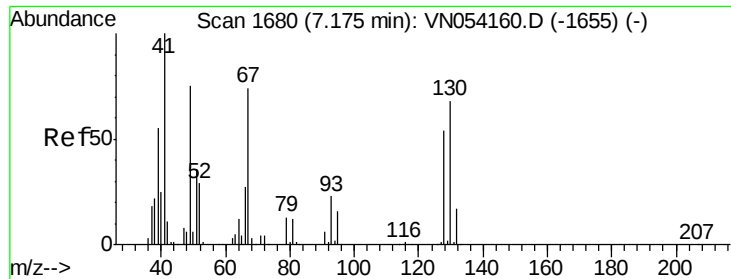
Tgt Ion: 83 Resp: 121193
Ion Ratio Lower Upper
83 100
55 73.3 56.6 84.8
98 48.7 38.4 57.6



#40
Benzene
Concen: 4.862 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 78 Resp: 290180
Ion Ratio Lower Upper
78 100
77 25.3 19.1 28.7

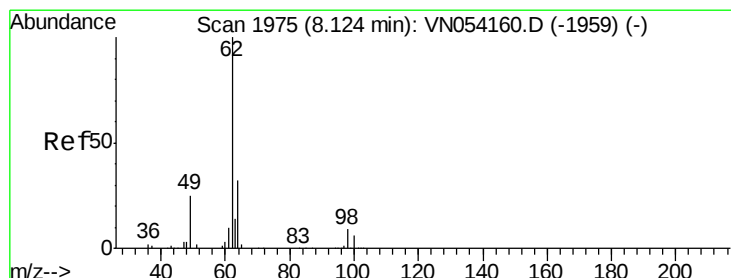
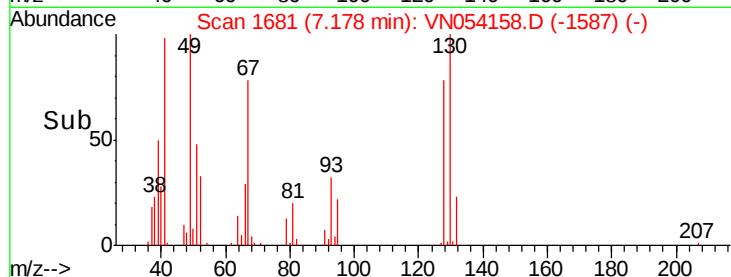
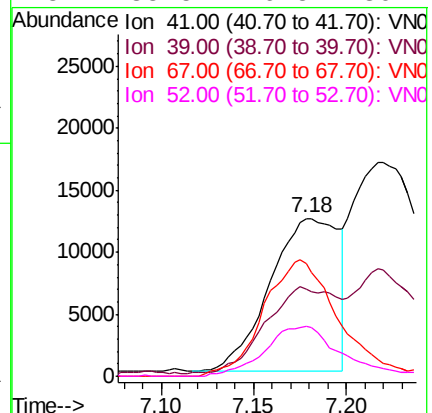
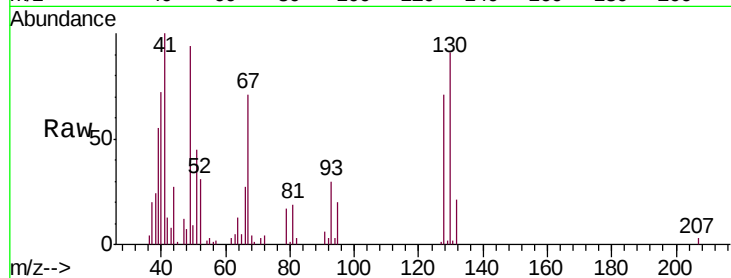




#41
Methacrylonitrile
Concen: 4.854 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

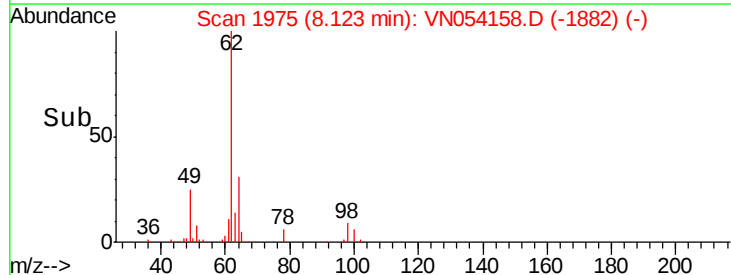
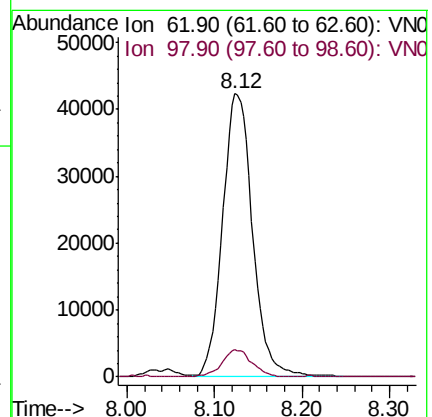
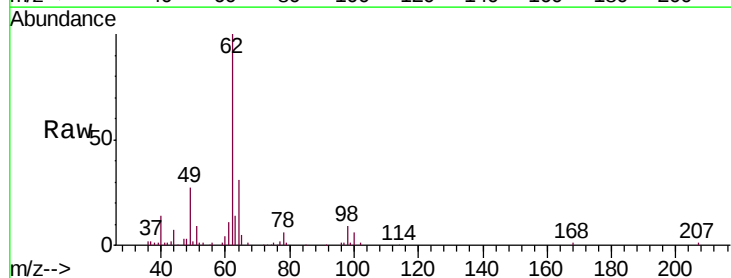
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

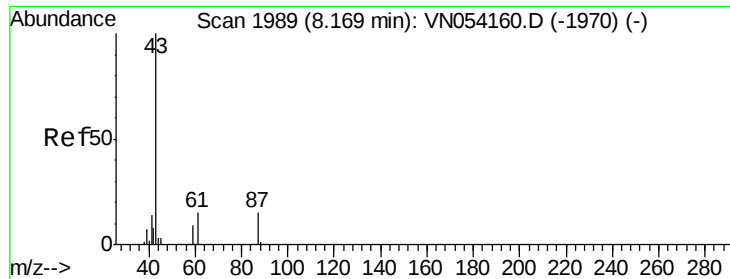
Tgt Ion:	41	Resp:	31937
Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.8	70.2
67	81.8	67.0	100.4
52	35.5	26.5	39.7



#42
1,2-Dichloroethane
Concen: 5.020 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion:	62	Resp:	101157
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 4.647 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

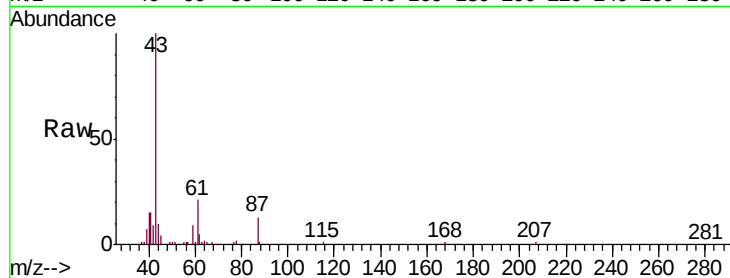
Tgt Ion: 43 Resp: 97736

Ion Ratio Lower Upper

43 100

61 19.4 15.8 23.8

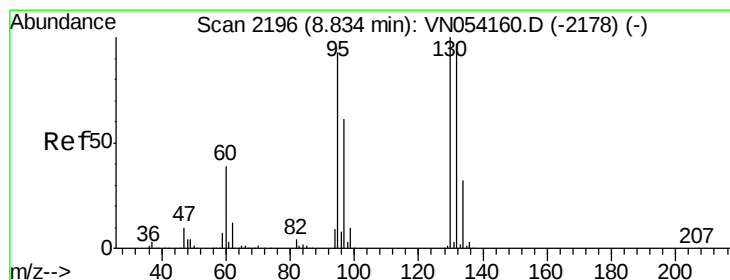
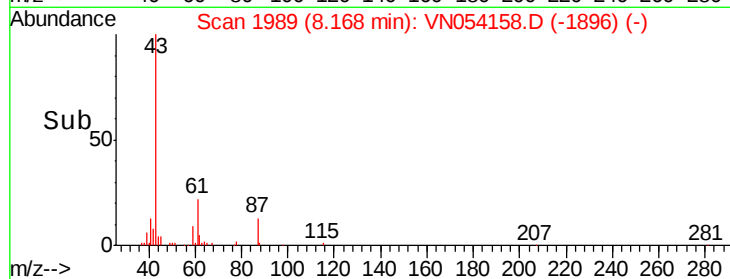
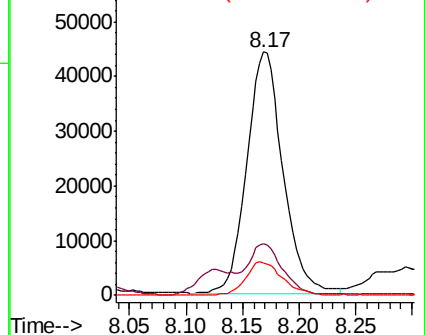
87 14.3 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)



#44

Trichloroethene

Concen: 4.936 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054158.D

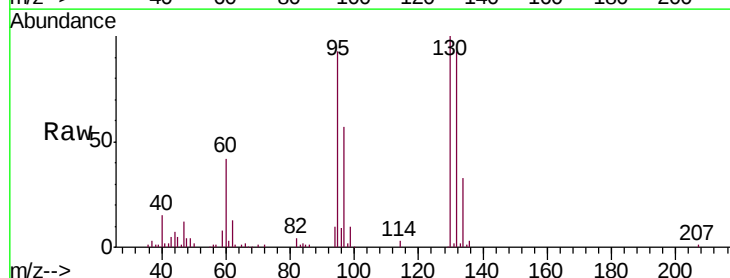
Acq: 12 Mar 2019 10:29

Tgt Ion: 130 Resp: 91512

Ion Ratio Lower Upper

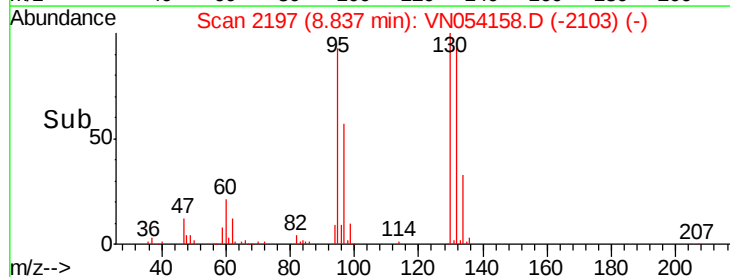
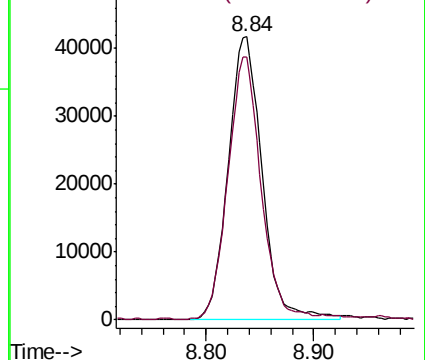
130 100

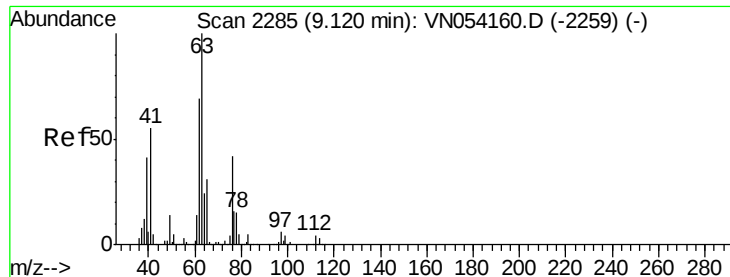
95 92.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

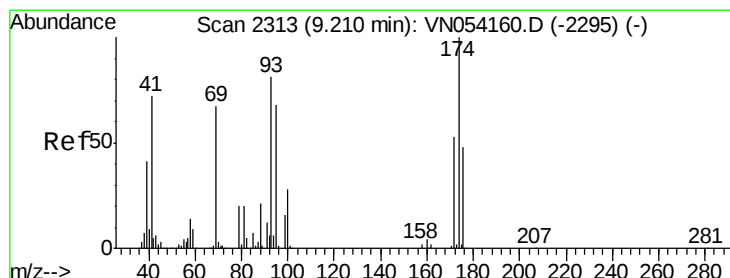
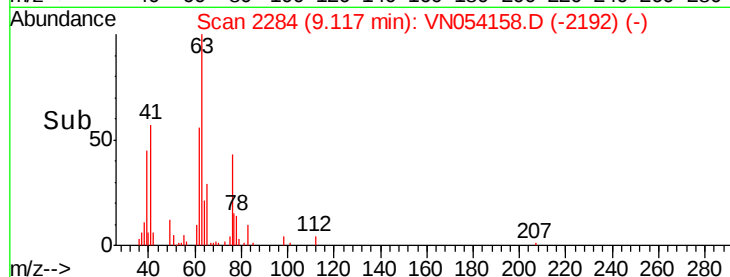
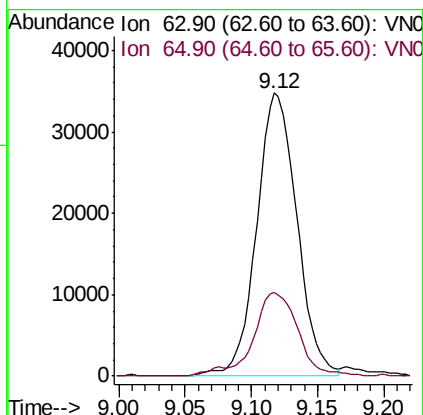
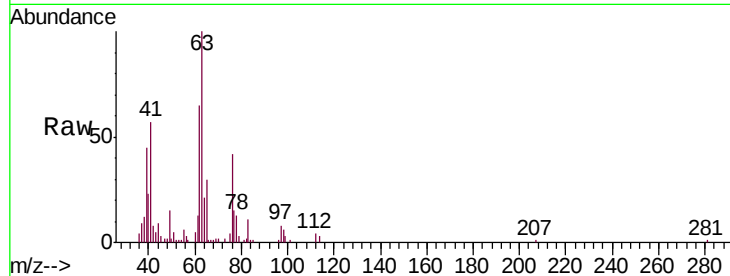




#45
 1,2-Dichloropropane
 Concen: 4.979 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

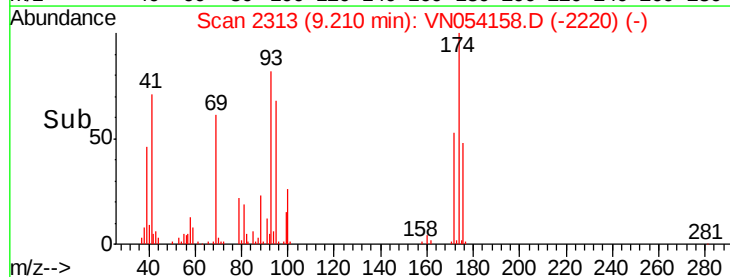
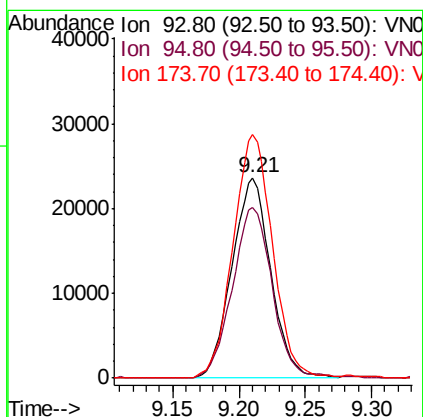
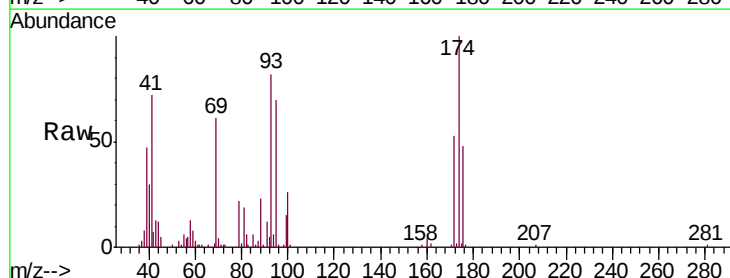
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

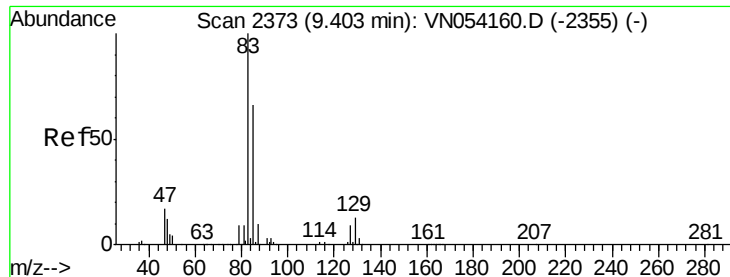
Tgt Ion: 63 Resp: 73788
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.0 37.6



#46
 Dibromomethane
 Concen: 4.801 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 93 Resp: 48067
 Ion Ratio Lower Upper
 93 100
 95 87.2 66.7 100.1
 174 123.4 98.5 147.7





#47

Bromodichloromethane

Concen: 4.655 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

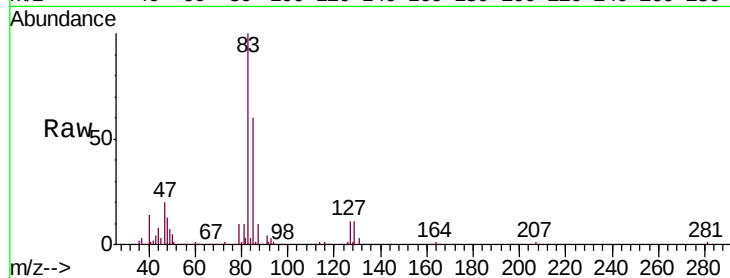
Tgt Ion: 83 Resp: 93435

Ion Ratio Lower Upper

83 100

85 59.9 52.8 79.2

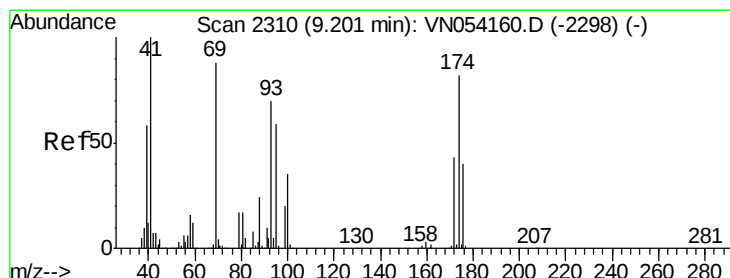
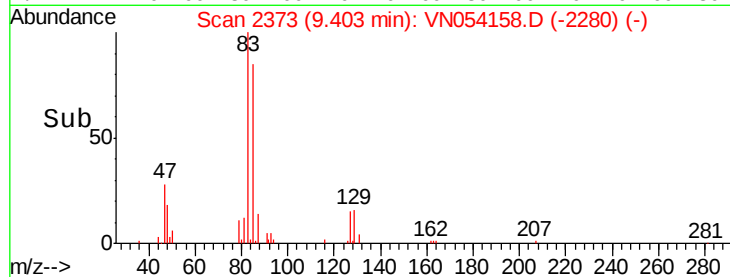
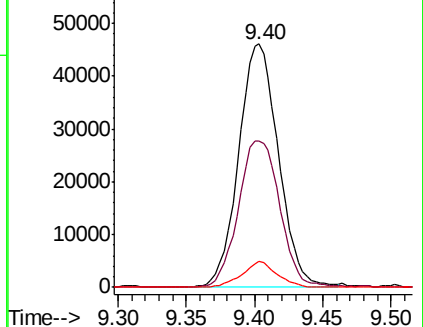
127 10.6 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054158.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054158.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054158.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.379 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

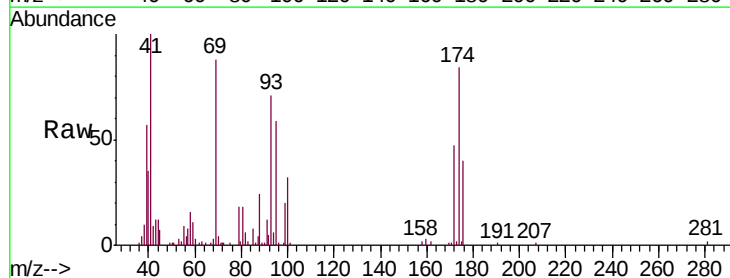
Tgt Ion: 41 Resp: 46743

Ion Ratio Lower Upper

41 100

69 93.4 72.6 108.8

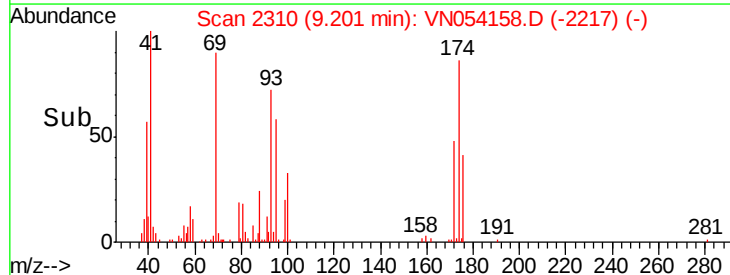
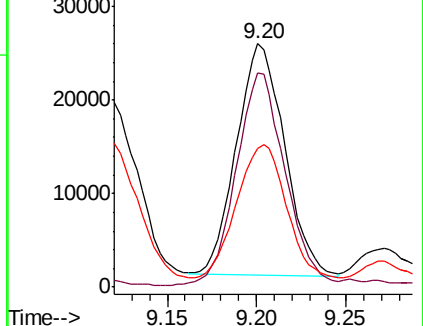
39 66.1 47.5 71.3

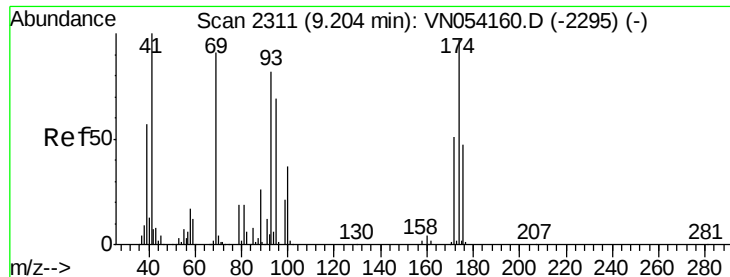


Abundance Ion 41.00 (40.70 to 41.70): VN054158.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054158.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054158.D (-2217) (-)

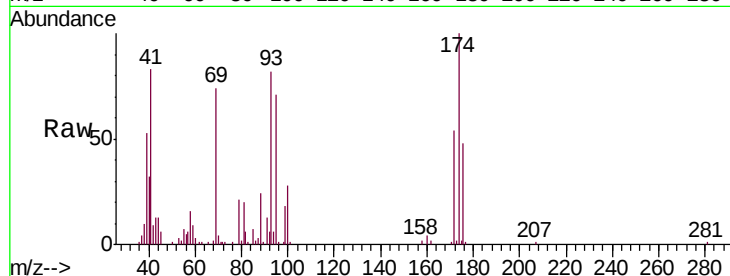




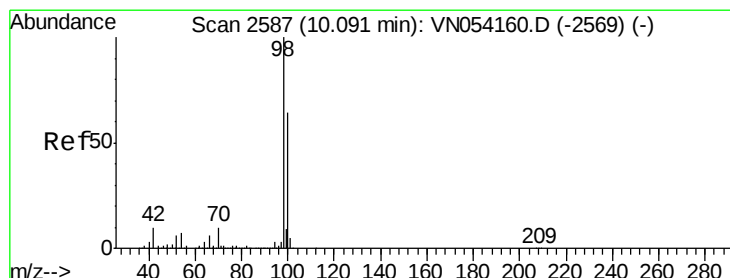
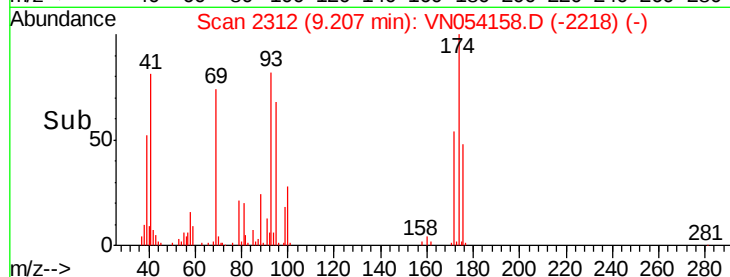
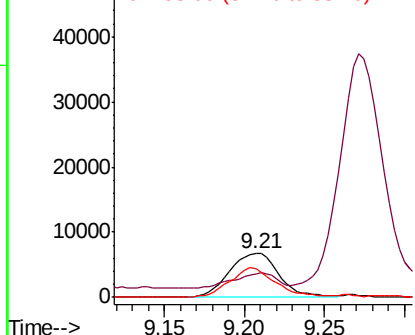
#49
1,4-Dioxane
Concen: 95.306 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 14390
Ion Ratio Lower Upper
88 100
43 30.2 24.1 36.1
58 62.4 50.8 76.2

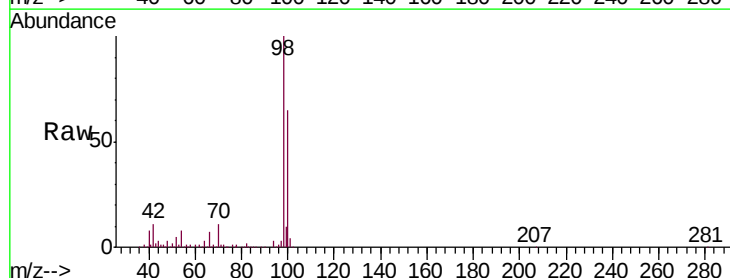


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

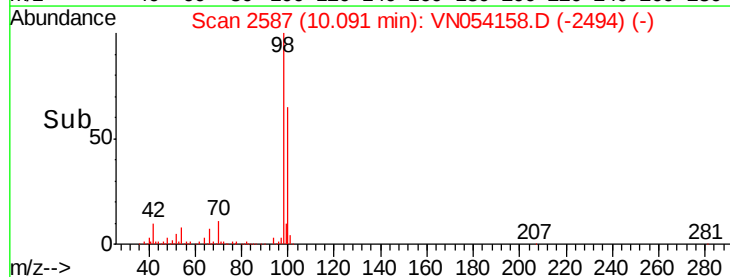
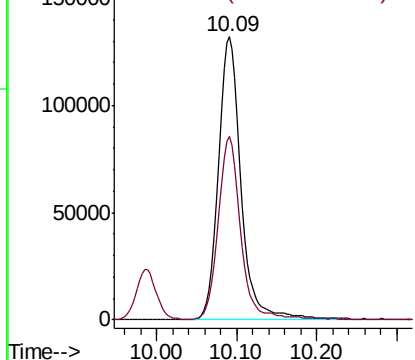


#50
Toluene-d8
Concen: 4.825 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 98 Resp: 260274
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

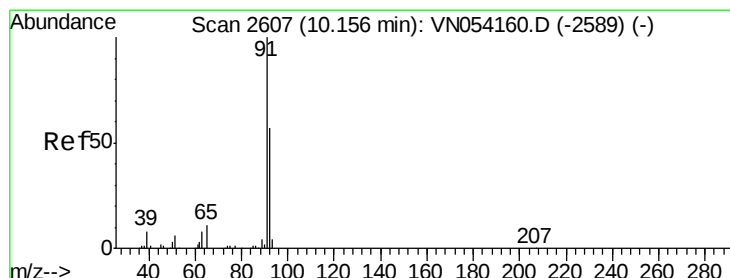
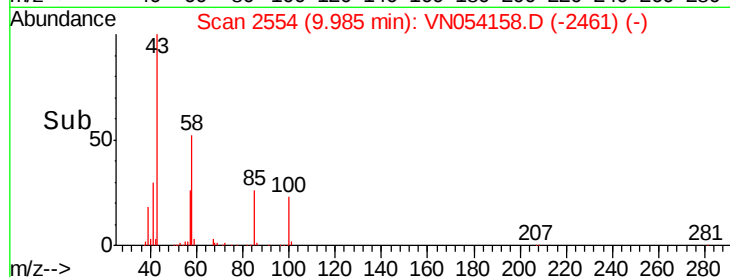
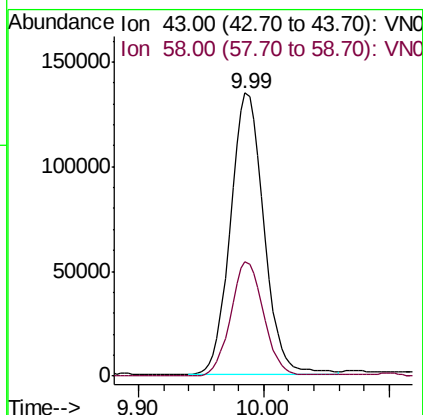
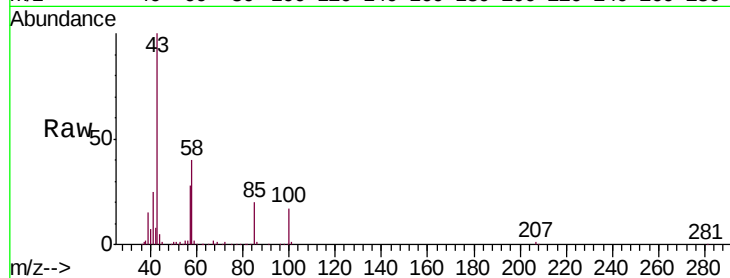




#51
4-Methyl-2-Pentanone
Concen: 22.273 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

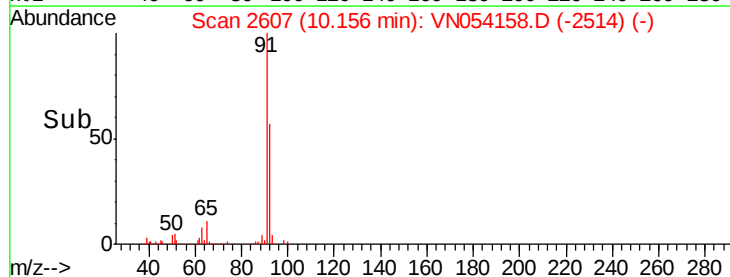
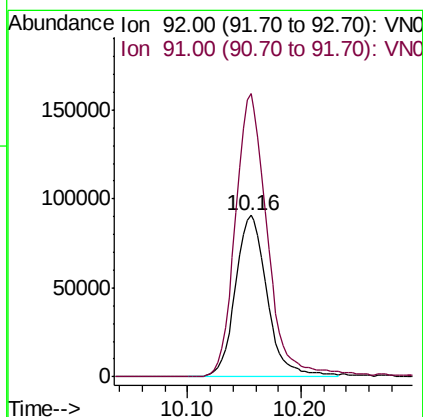
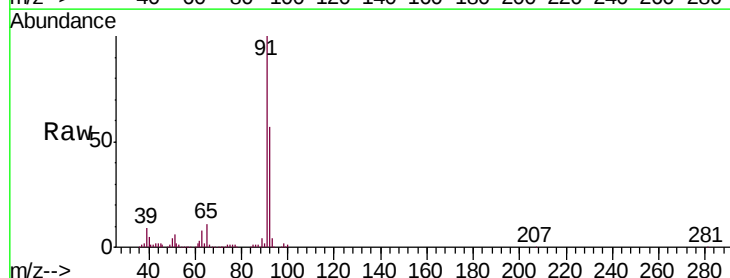
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

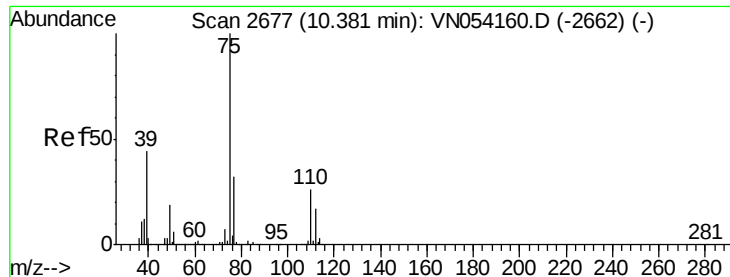
Tgt Ion: 43 Resp: 247928
Ion Ratio Lower Upper
43 100
58 40.4 31.8 47.6



#52
Toluene
Concen: 4.706 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 92 Resp: 178079
Ion Ratio Lower Upper
92 100
91 177.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 5.617 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

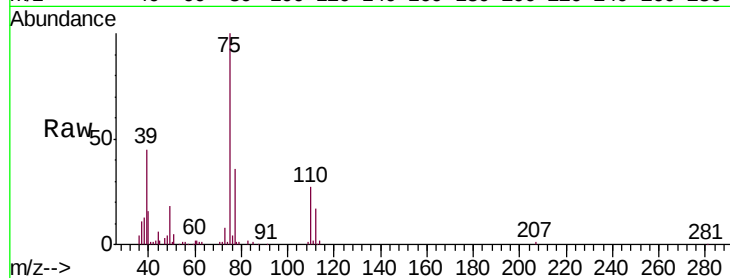
VSTDIC005

Tgt Ion: 75 Resp: 86803

Ion Ratio Lower Upper

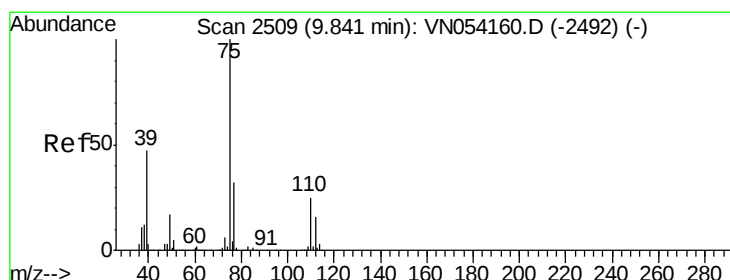
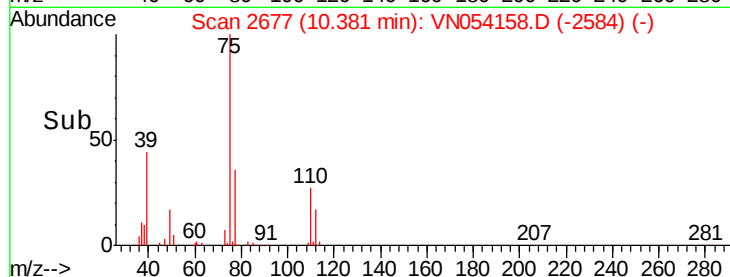
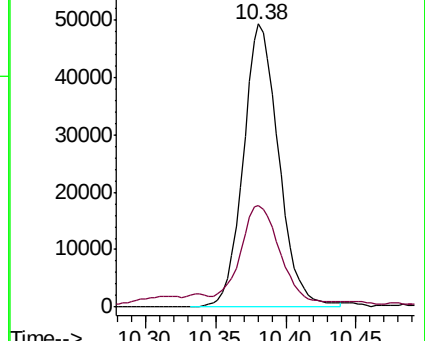
75 100

77 33.7 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.530 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

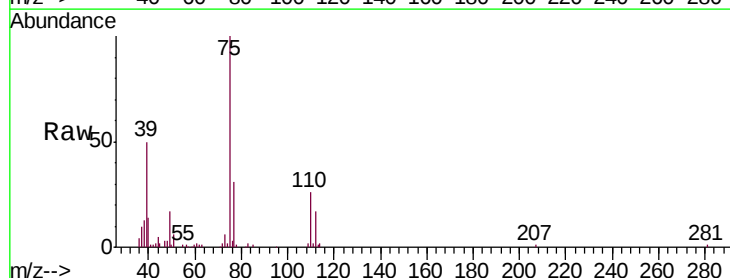
Tgt Ion: 75 Resp: 105956

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

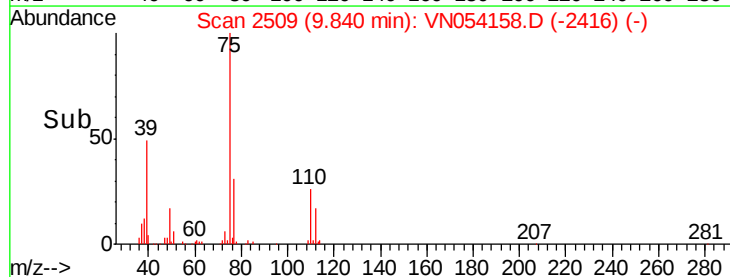
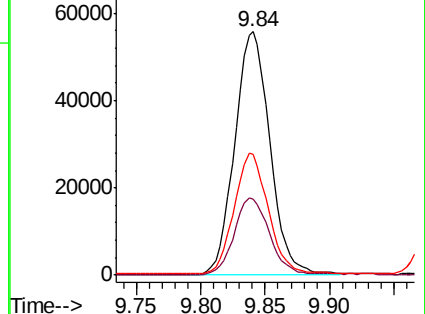
39 49.3 37.2 55.8

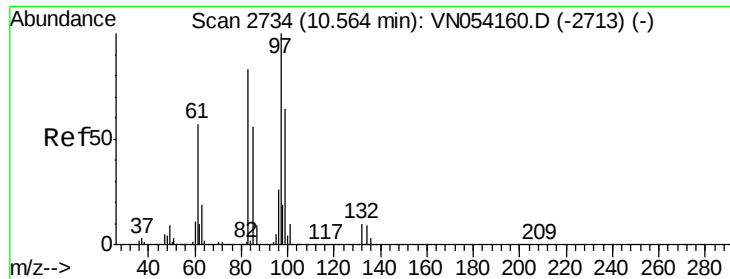


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

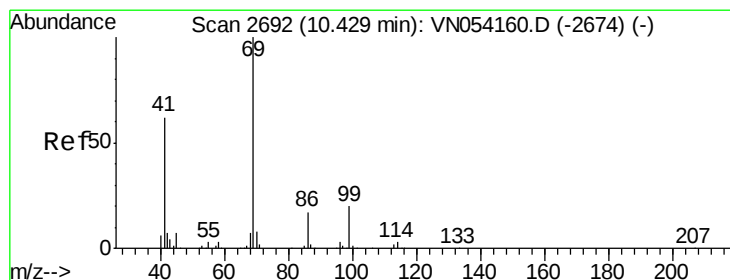
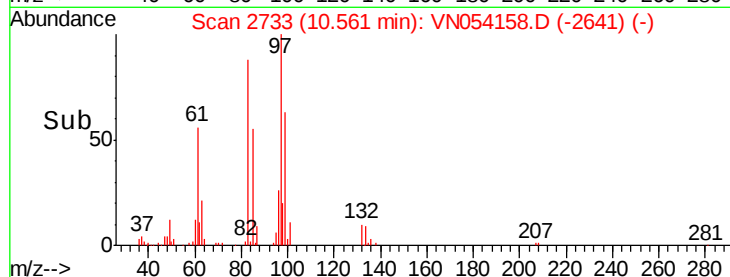
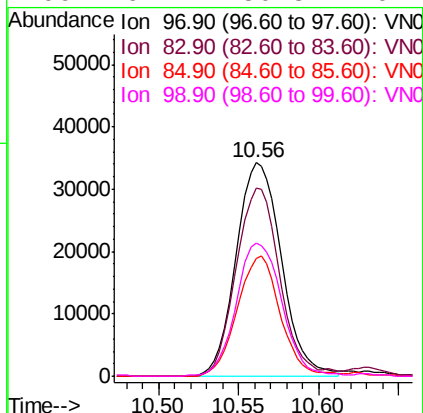
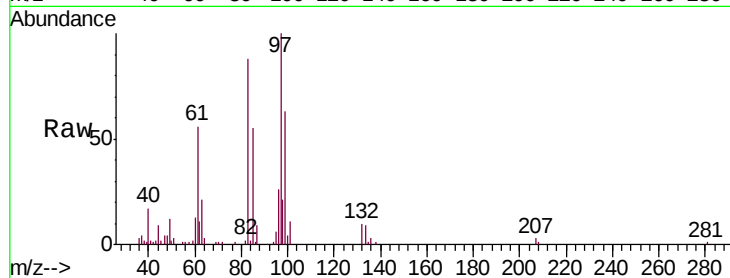




#55
 1,1,2-Trichloroethane
 Concen: 4.802 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

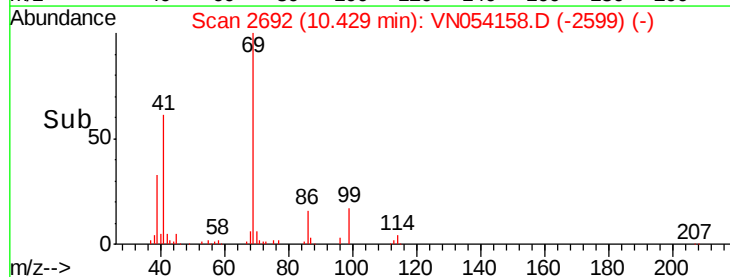
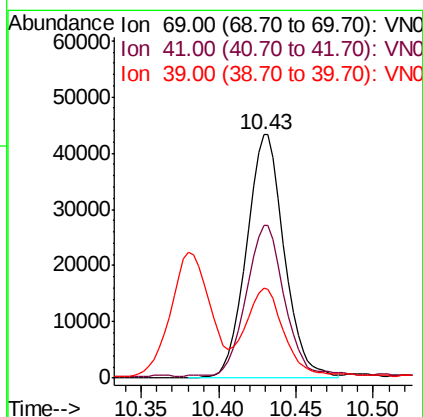
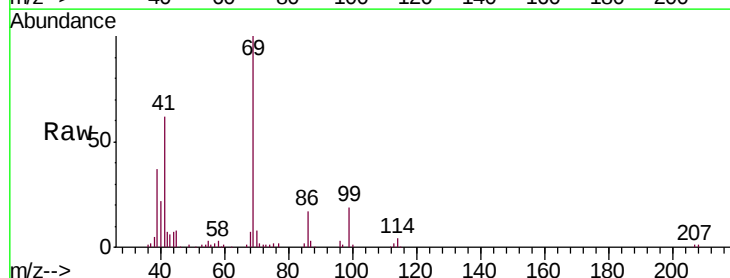
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

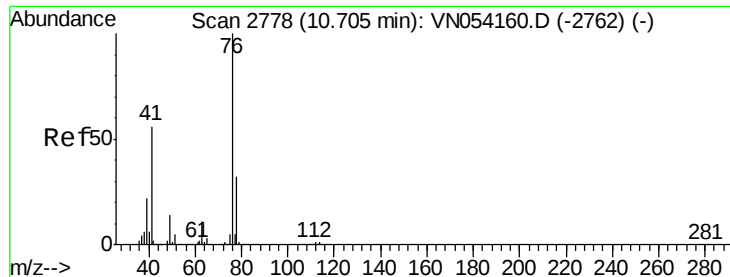
Tgt Ion: 97 Resp: 66350
 Ion Ratio Lower Upper
 97 100
 83 87.9 66.6 100.0
 85 55.4 44.4 66.6
 99 62.2 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 4.474 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 69 Resp: 73717
 Ion Ratio Lower Upper
 69 100
 41 61.8 49.4 74.2
 39 35.4 28.3 42.5





#57

1,3-Dichloropropane

Concen: 4.756 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

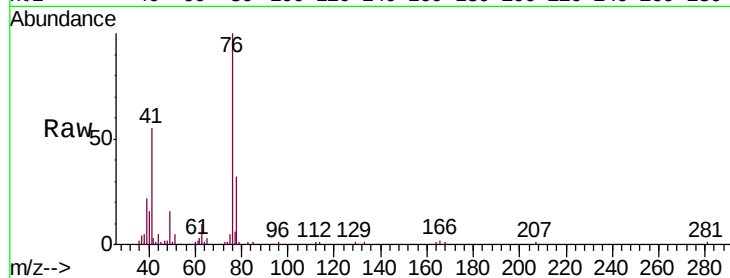
VSTDIC005

Tgt Ion: 76 Resp: 107462

Ion Ratio Lower Upper

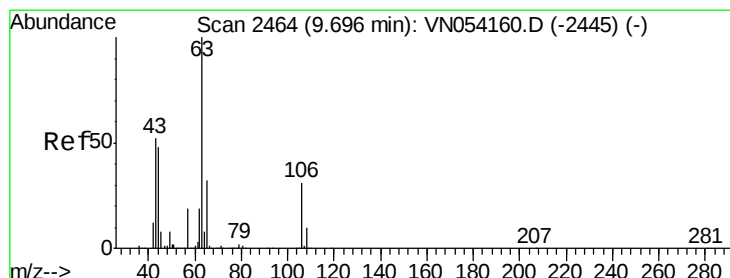
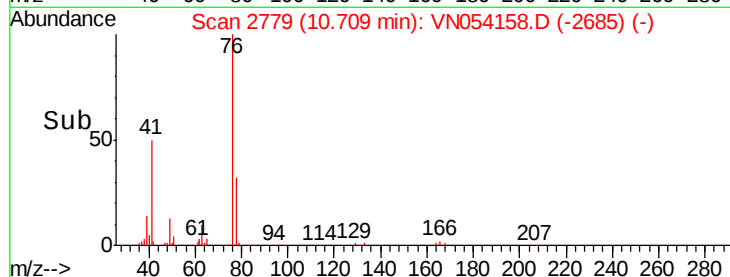
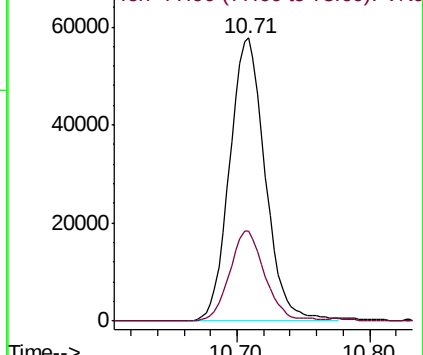
76 100

78 31.8 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN054160.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN054160.D (-2762) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 34.168 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054158.D

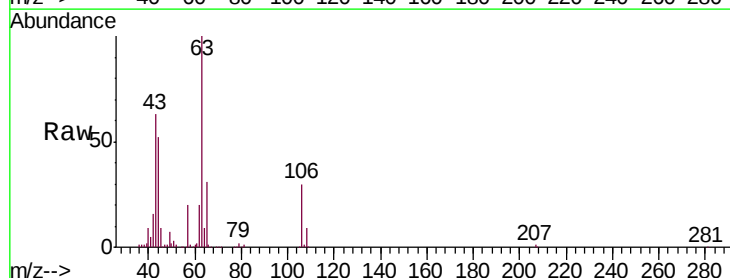
Acq: 12 Mar 2019 10:29

Tgt Ion: 63 Resp: 132882

Ion Ratio Lower Upper

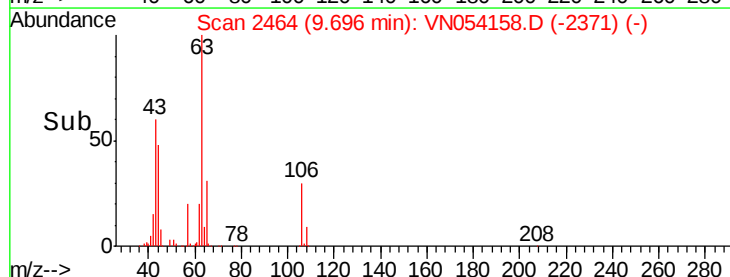
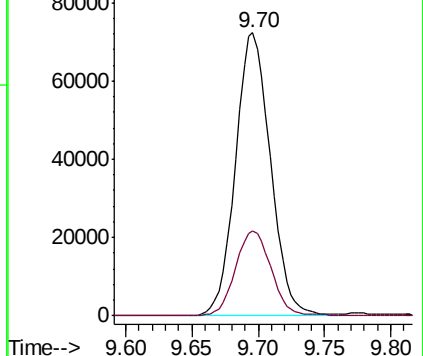
63 100

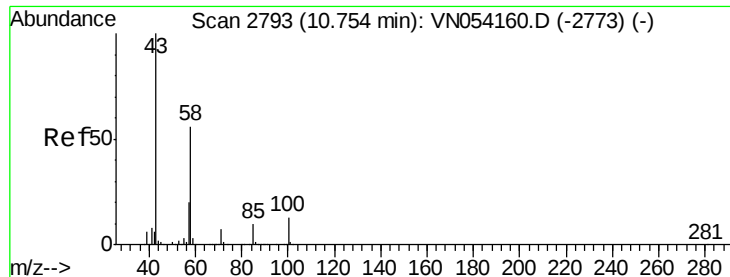
106 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN054160.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN054160.D (-2445) (-)

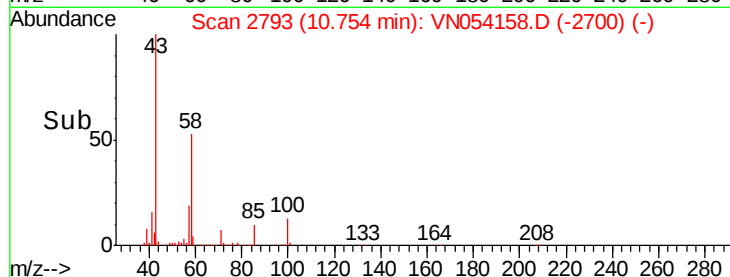
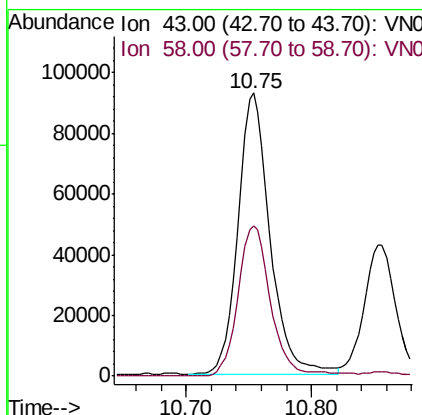
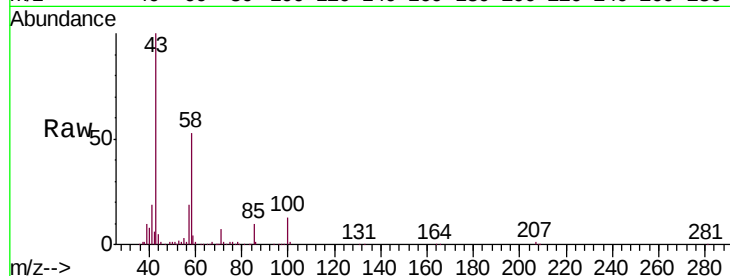




#59
2-Hexanone
Concen: 22.044 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

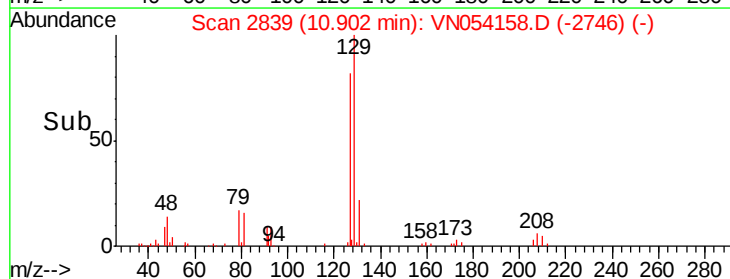
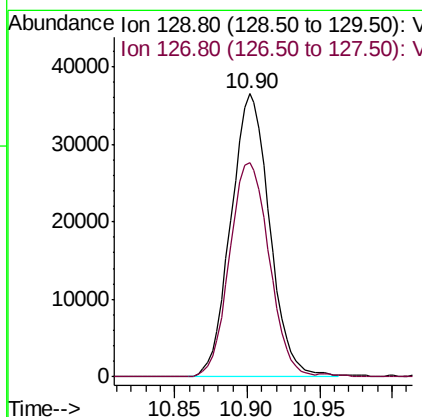
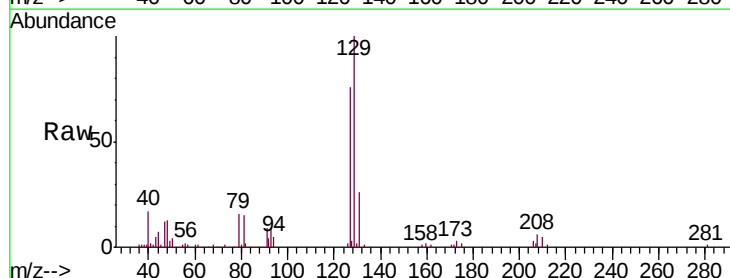
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 163277
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9



#60
Dibromochloromethane
Concen: 4.359 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 129 Resp: 67785
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

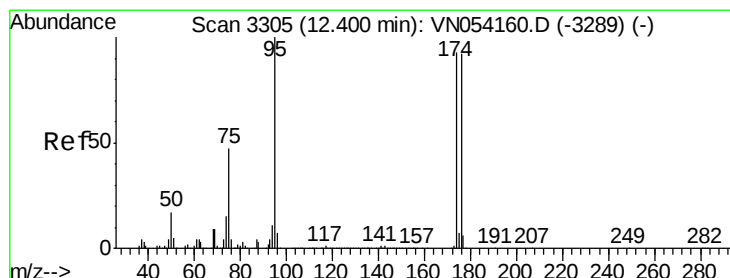
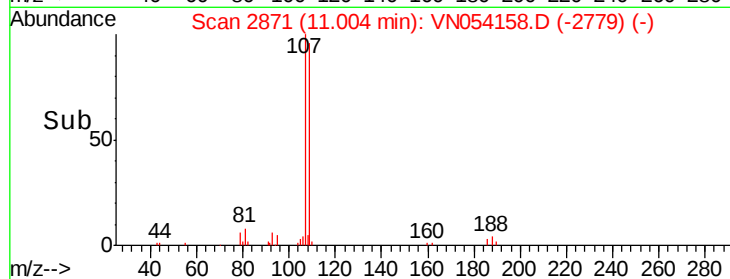
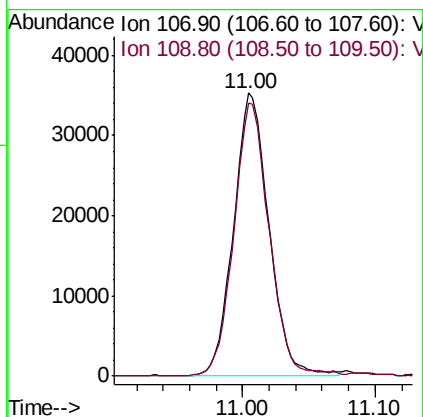
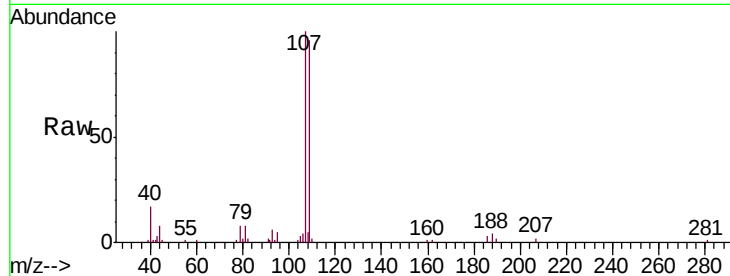




#61
 1,2-Dibromoethane
 Concen: 4.667 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

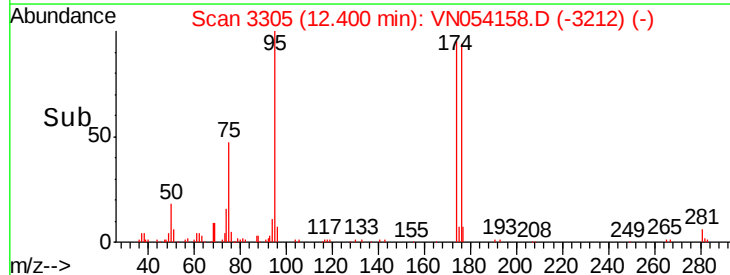
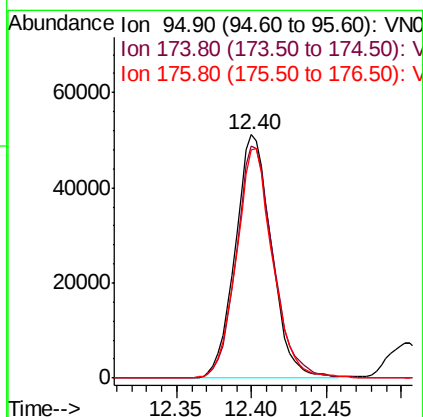
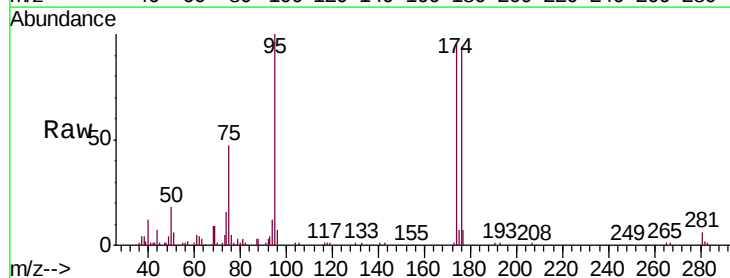
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 65525
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 4.574 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion: 95 Resp: 86325
 Ion Ratio Lower Upper
 95 100
 174 96.8 0.0 191.0
 176 94.7 0.0 187.4

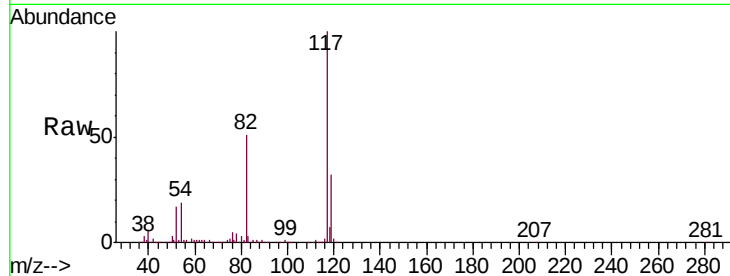




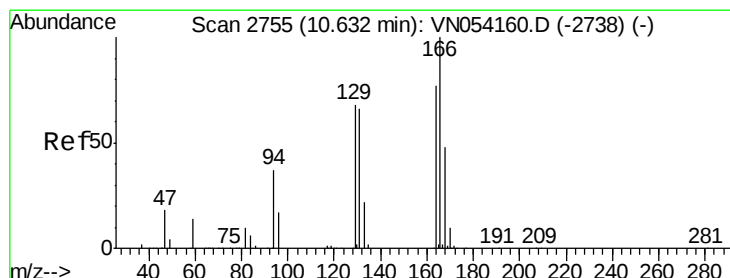
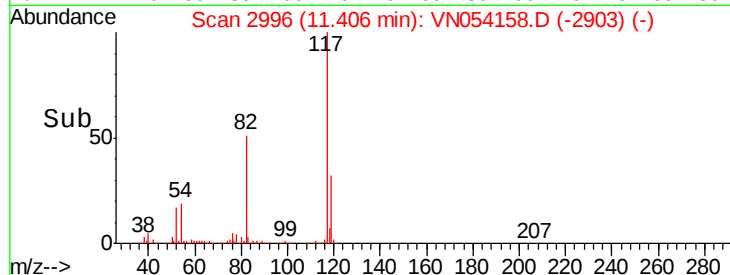
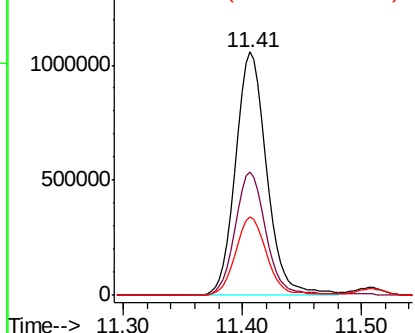
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:117 Resp: 1922063
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 32.2 25.8 38.6

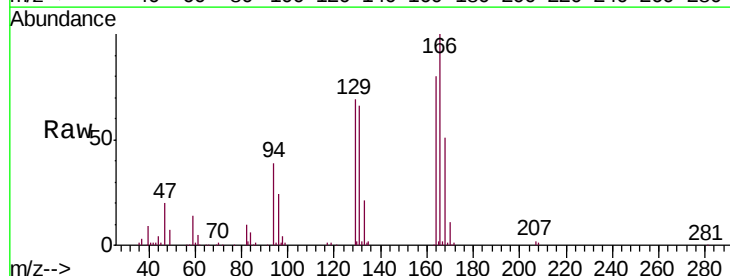


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

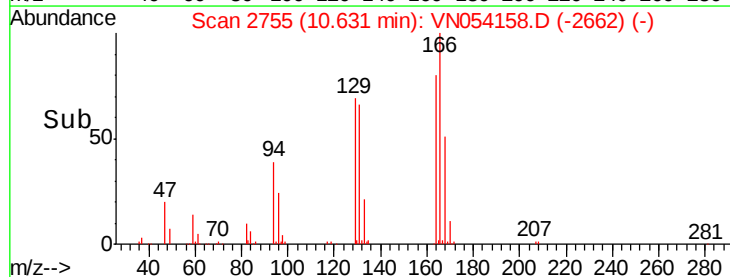
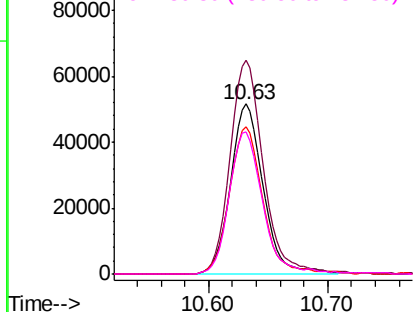


#64
Tetrachloroethene
Concen: 5.291 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion:164 Resp: 98332
Ion Ratio Lower Upper
164 100
166 125.5 103.9 155.9
129 86.8 71.1 106.7
131 83.2 68.2 102.4



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





#65

Chlorobenzene

Concen: 4.898 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

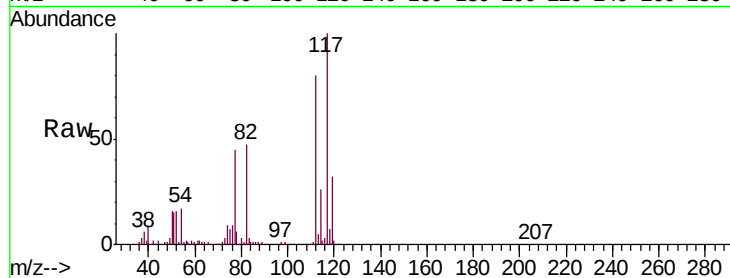
VSTDIC005

Tgt Ion:112 Resp: 206723

Ion Ratio Lower Upper

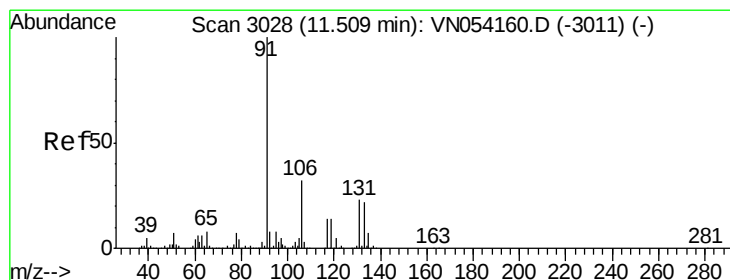
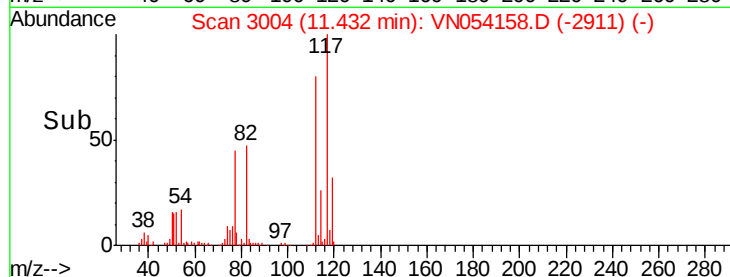
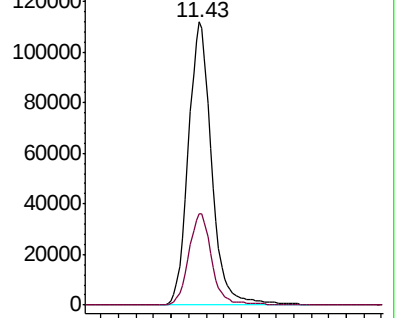
112 100

114 32.3 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

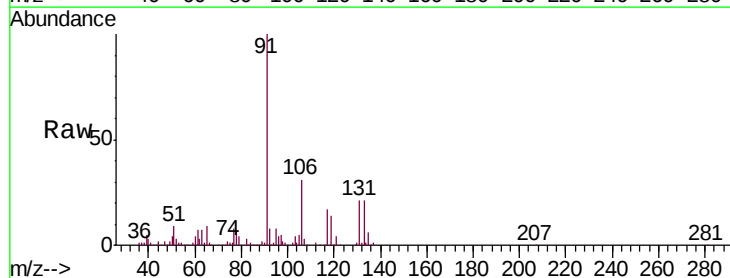
Tgt Ion:131 Resp: 74011

Ion Ratio Lower Upper

131 100

133 96.5 47.6 142.9

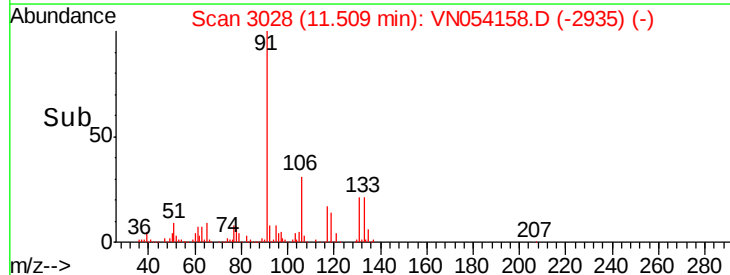
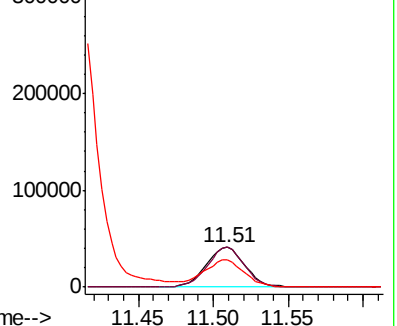
119 72.9 32.4 97.0

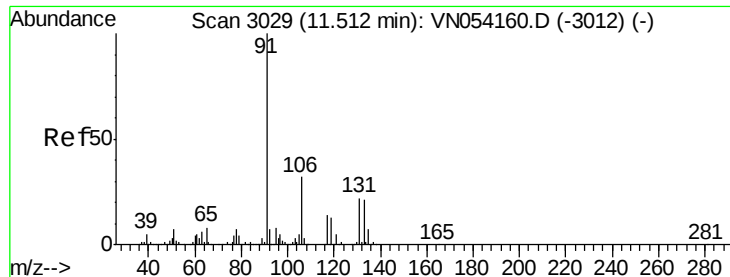


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

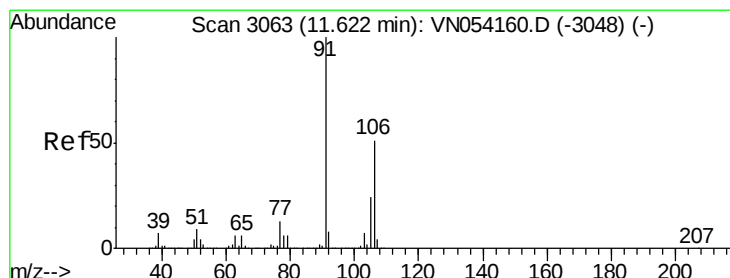
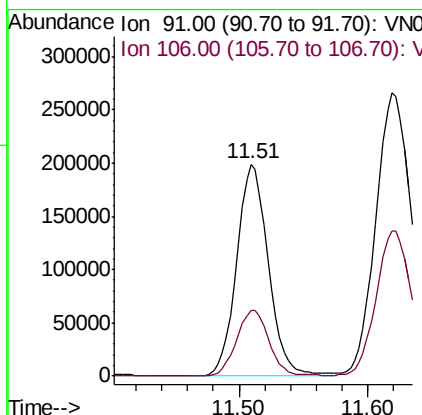
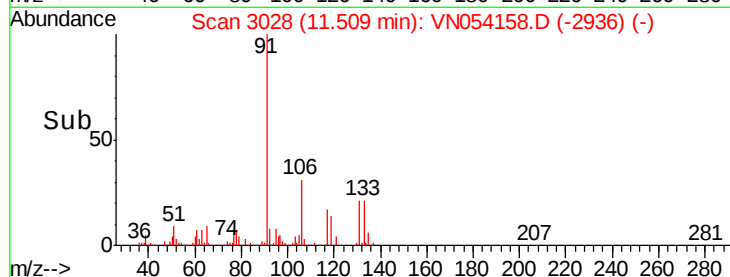
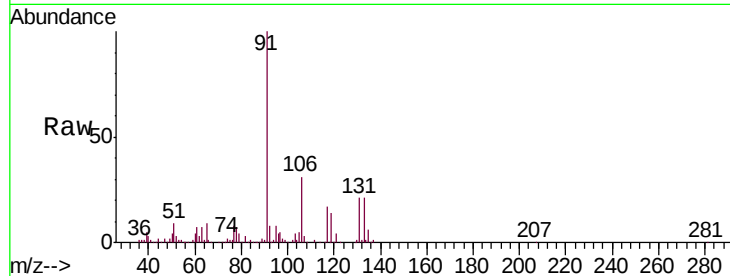




#67
Ethyl Benzene
Concen: 4.869 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

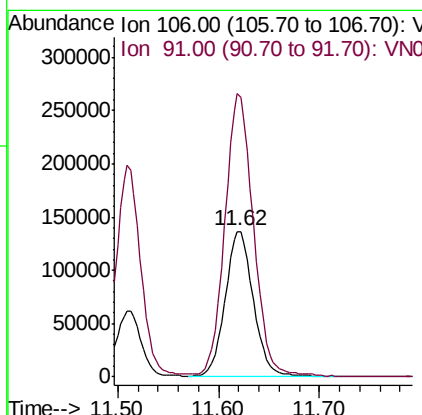
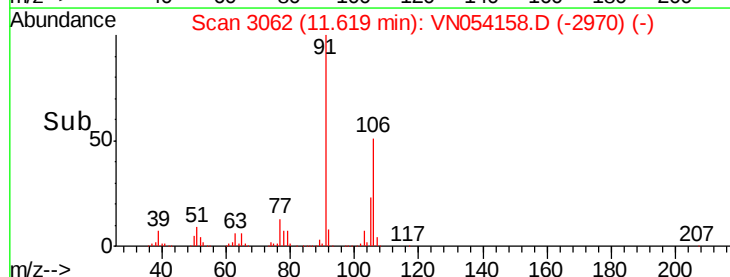
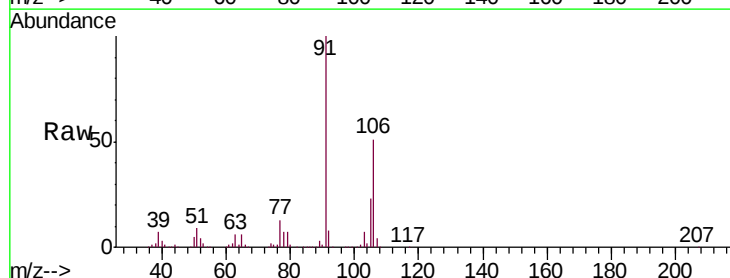
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

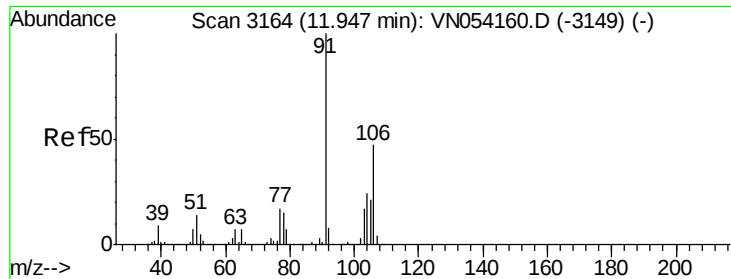
Tgt Ion: 91 Resp: 340644
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3



#68
m/p-Xylenes
Concen: 9.704 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 106 Resp: 265326
Ion Ratio Lower Upper
106 100
91 199.0 159.4 239.2

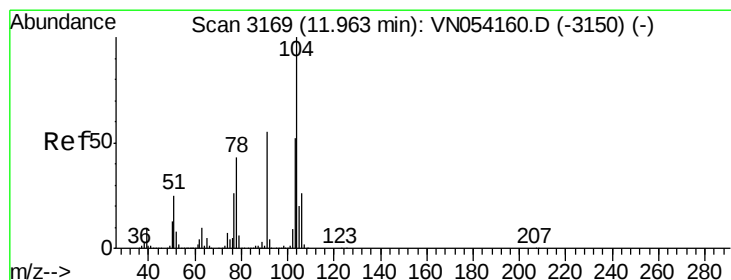
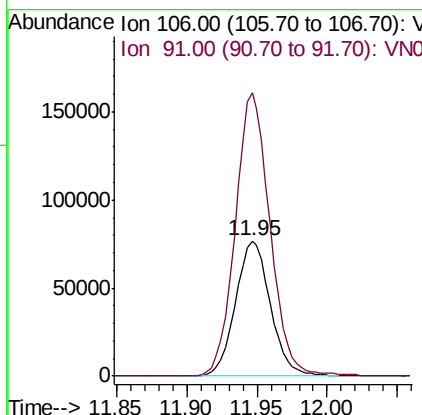
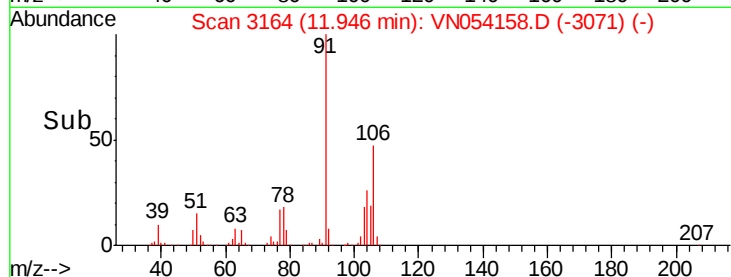
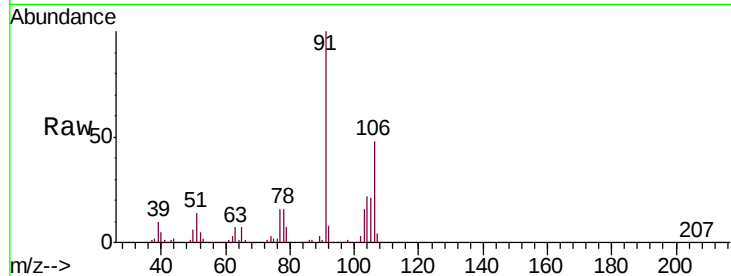




#69
o-Xylene
Concen: 5.003 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

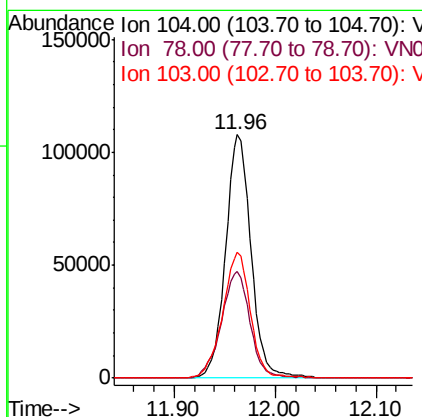
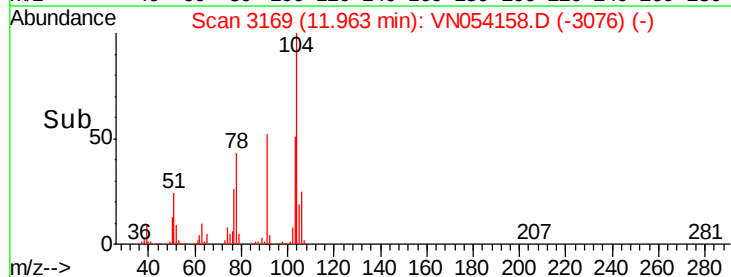
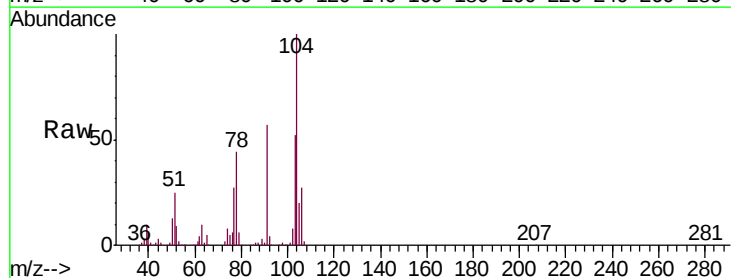
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

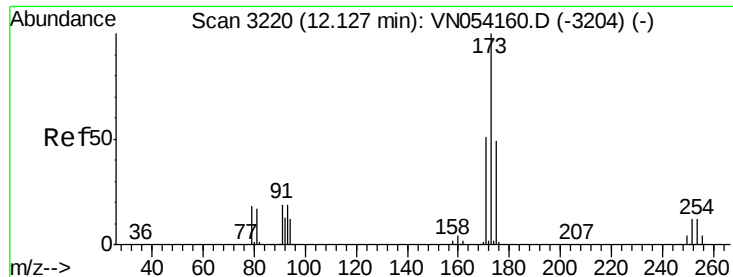
Tgt Ion:106 Resp: 133351
Ion Ratio Lower Upper
106 100
91 208.2 105.7 317.1



#70
Styrene
Concen: 4.551 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion:104 Resp: 190239
Ion Ratio Lower Upper
104 100
78 49.3 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 5.832 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

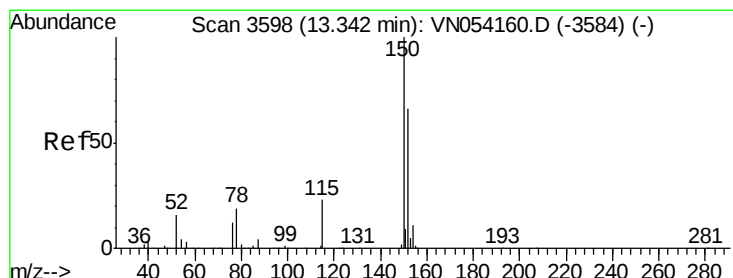
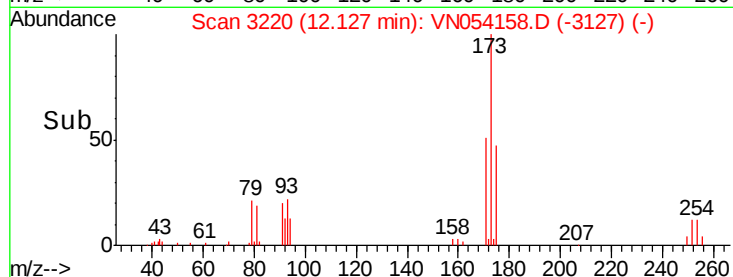
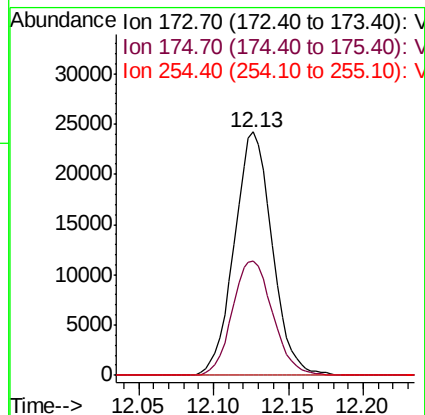
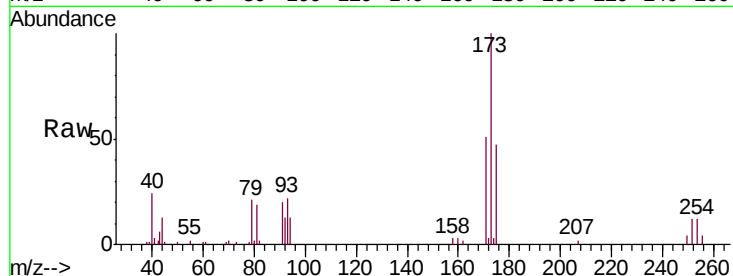
Tgt Ion:173 Resp: 42697

Ion Ratio Lower Upper

173 100

175 49.8 24.4 73.2

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

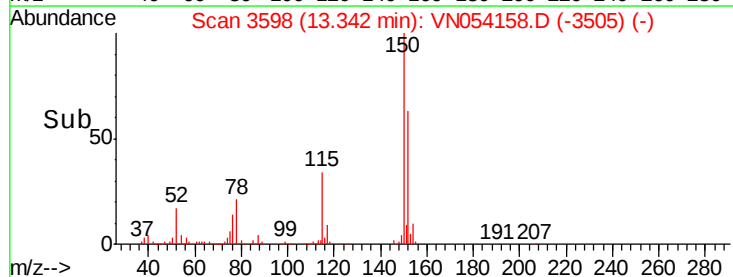
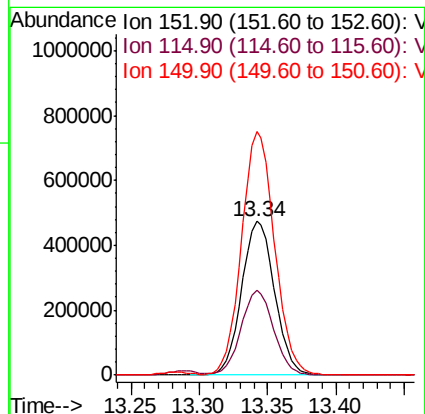
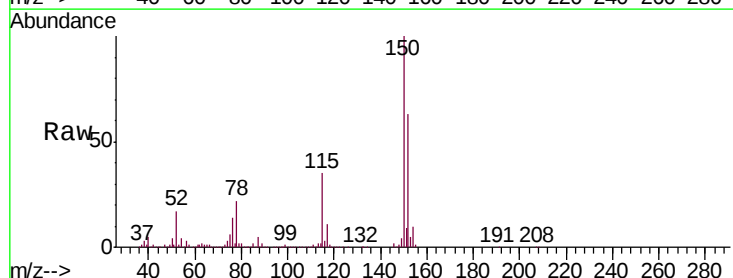
Tgt Ion:152 Resp: 794307

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

150 158.3 0.0 349.2





#73

Isopropylbenzene

Concen: 5.504 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

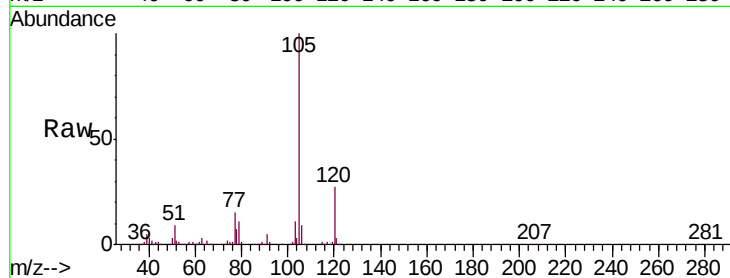
VSTDIC005

Tgt Ion: 105 Resp: 349785

Ion Ratio Lower Upper

105 100

120 28.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

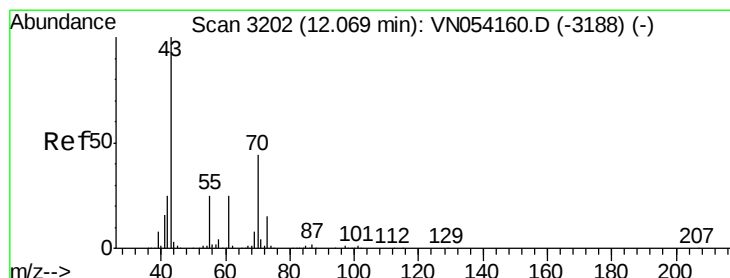
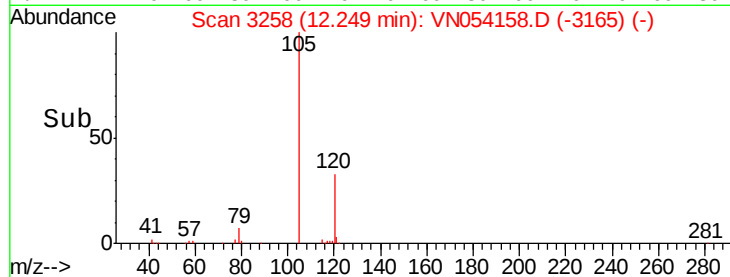
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 4.524 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Tgt Ion: 43 Resp: 63809

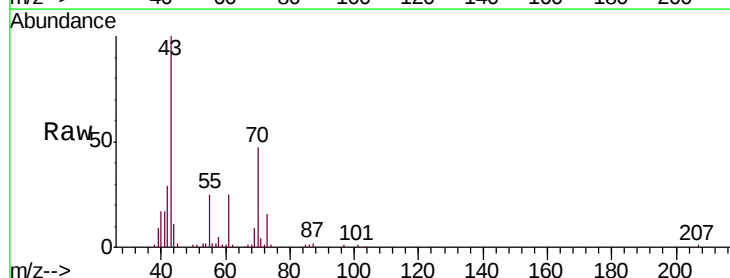
Ion Ratio Lower Upper

43 100

70 46.6 35.4 53.0

55 26.2 19.8 29.6

61 24.2 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

20000

10000

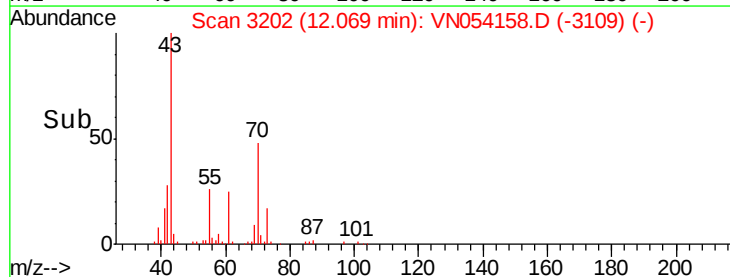
0

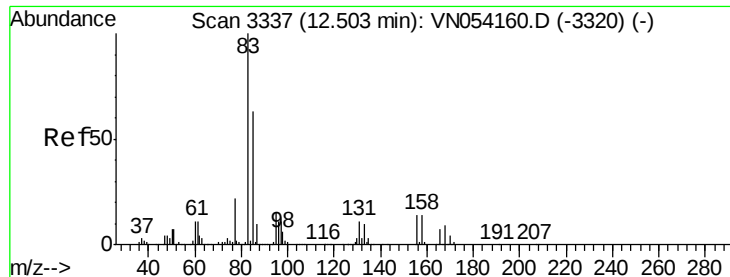
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.415 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

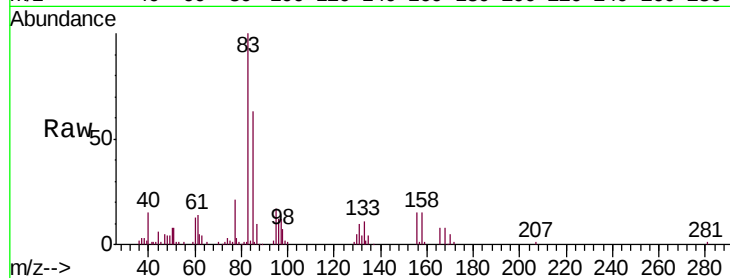
Tgt Ion: 83 Resp: 73323

Ion Ratio Lower Upper

83 100

131 10.8 5.8 17.4

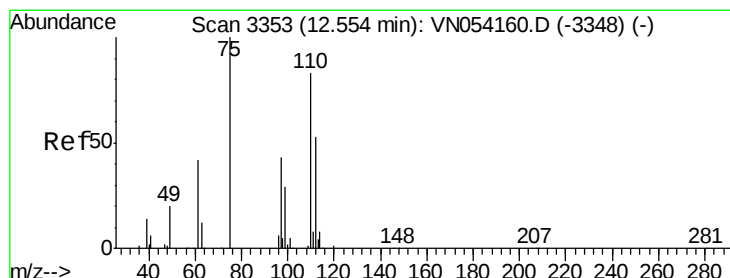
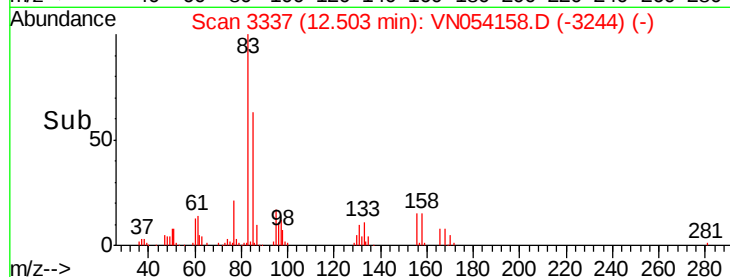
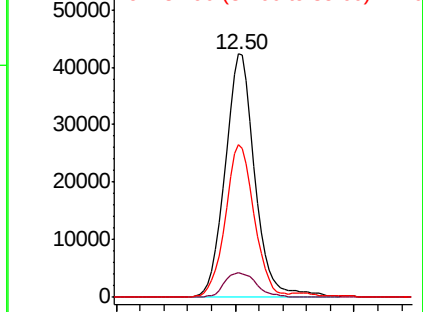
85 60.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 7.428 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054158.D

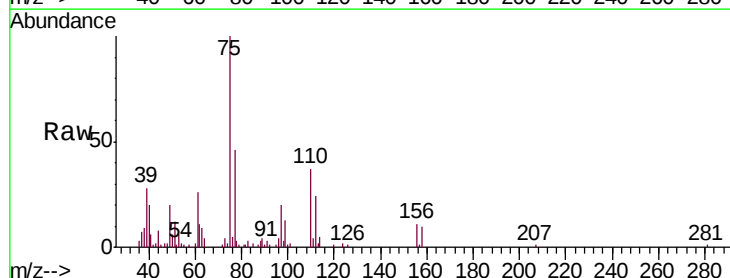
Acq: 12 Mar 2019 10:29

Tgt Ion: 75 Resp: 87912

Ion Ratio Lower Upper

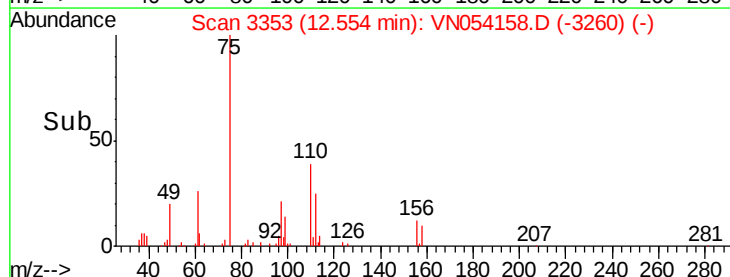
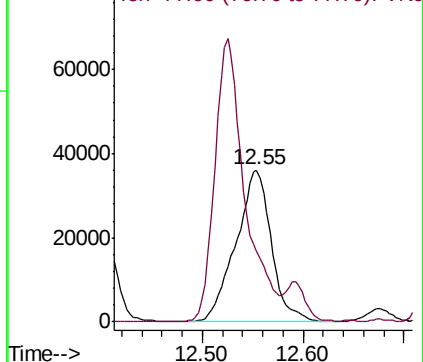
75 100

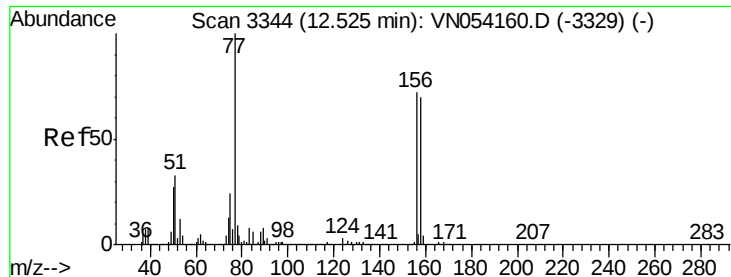
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.285 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

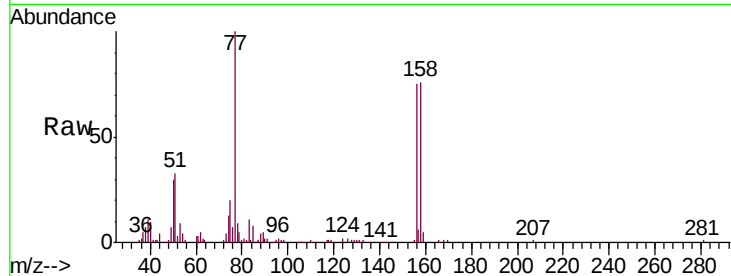
Tgt Ion:156 Resp: 88867

Ion Ratio Lower Upper

156 100

77 157.3 81.5 244.4

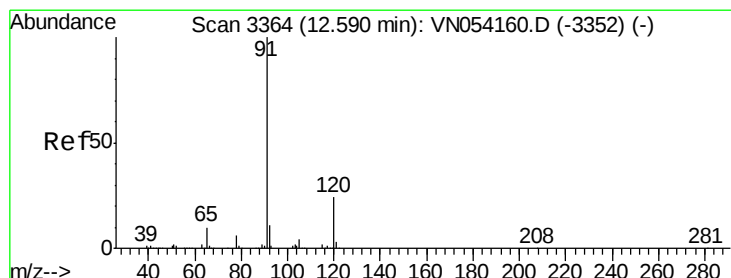
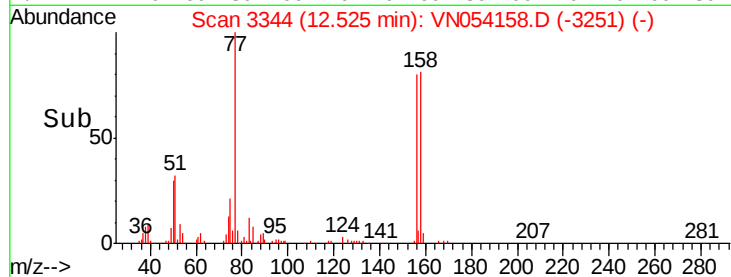
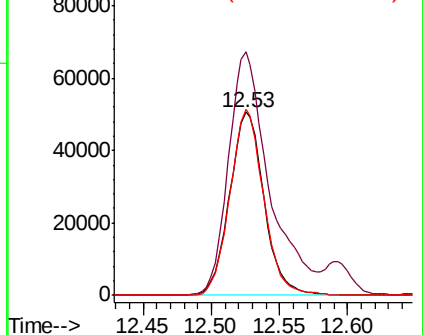
158 99.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.267 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054158.D

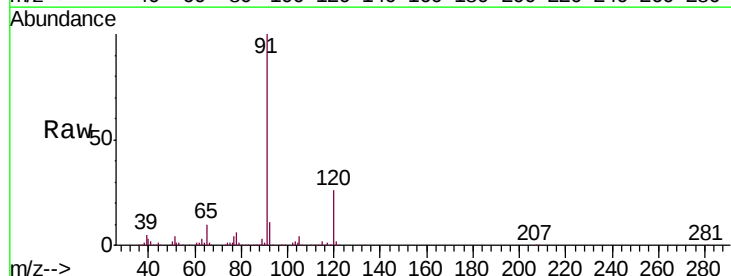
Acq: 12 Mar 2019 10:29

Tgt Ion: 91 Resp: 363199

Ion Ratio Lower Upper

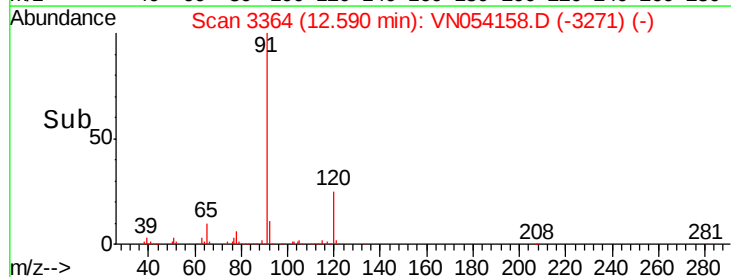
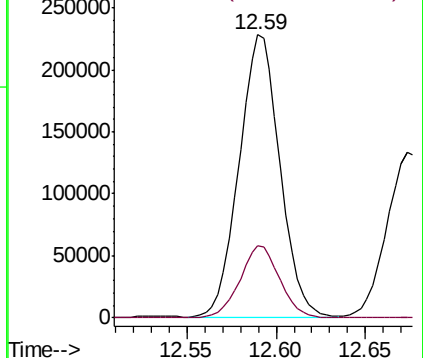
91 100

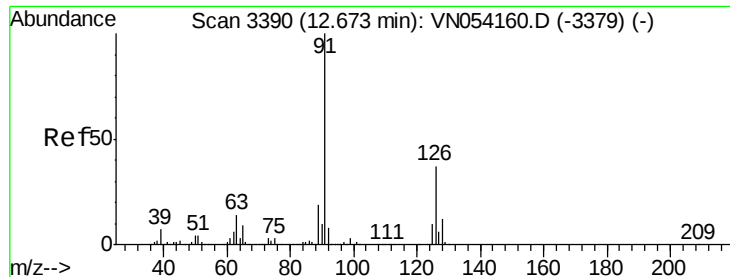
120 25.0 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.423 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

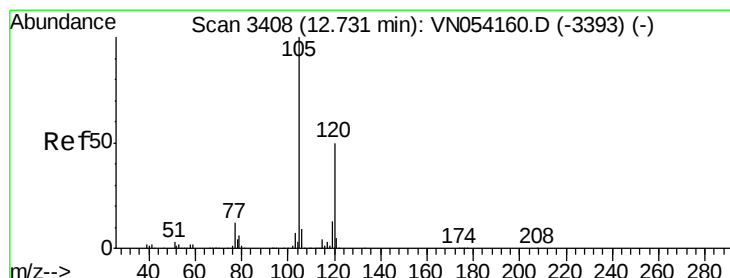
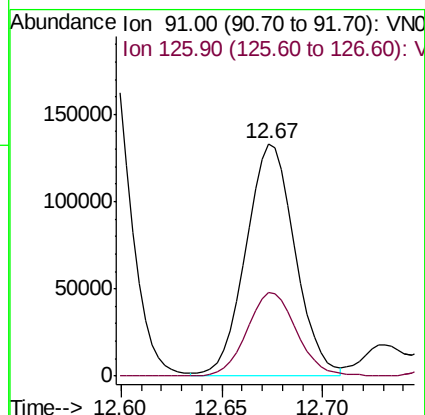
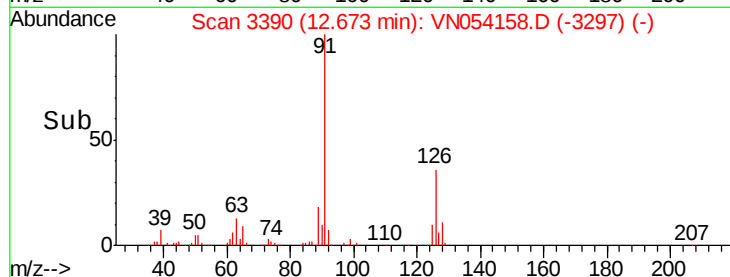
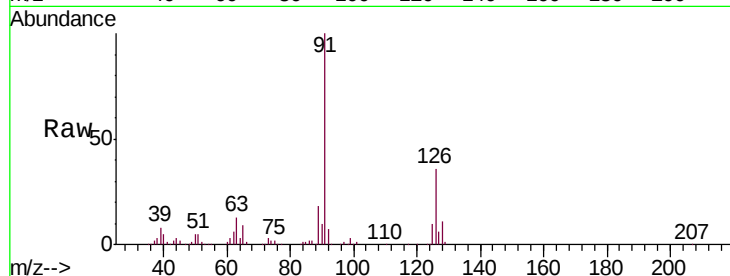
VSTDIC005

Tgt Ion: 91 Resp: 224843

Ion Ratio Lower Upper

91 100

126 36.9 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 5.431 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054158.D

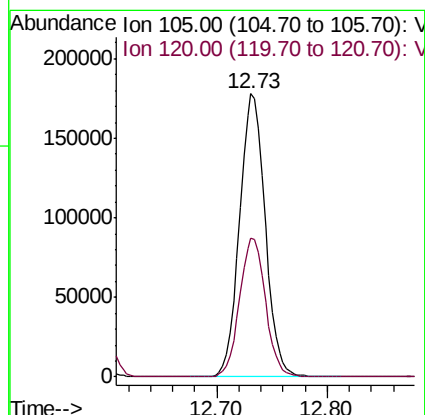
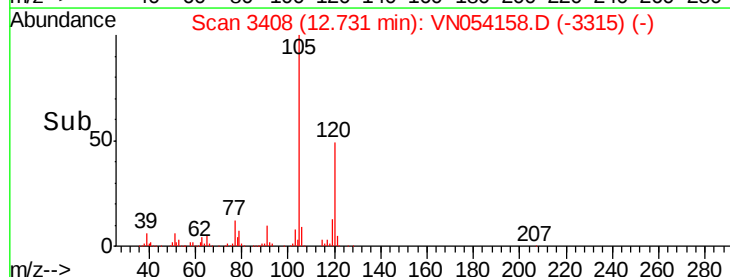
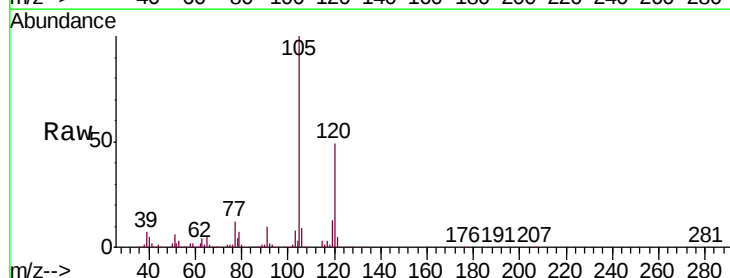
Acq: 12 Mar 2019 10:29

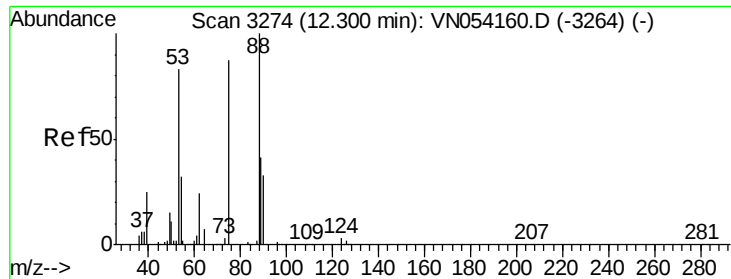
Tgt Ion: 105 Resp: 287077

Ion Ratio Lower Upper

105 100

120 49.6 25.0 75.0

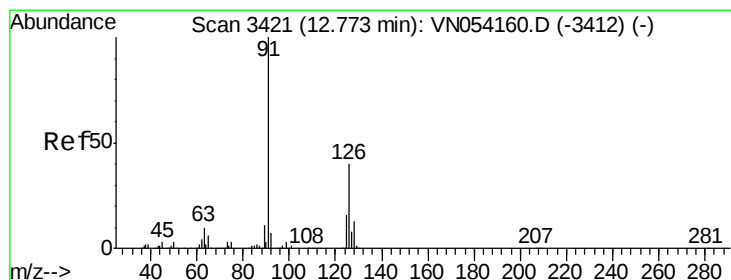
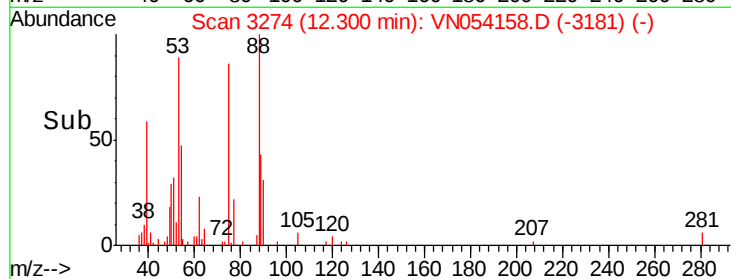
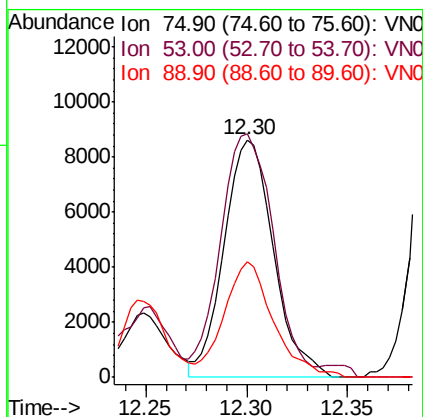
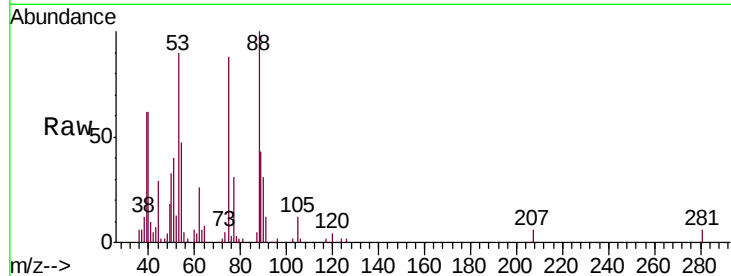




#81
trans-1,4-Dichloro-2-butene
Concen: 6.495 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

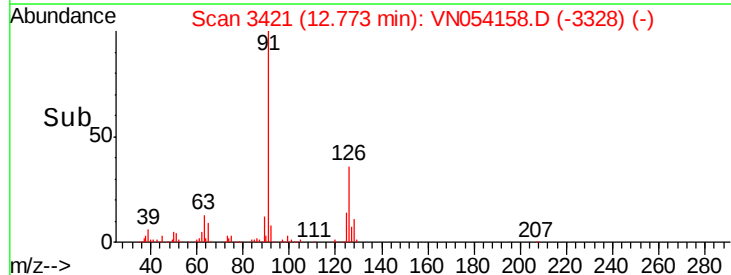
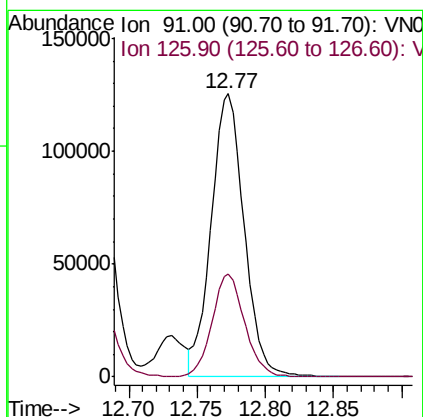
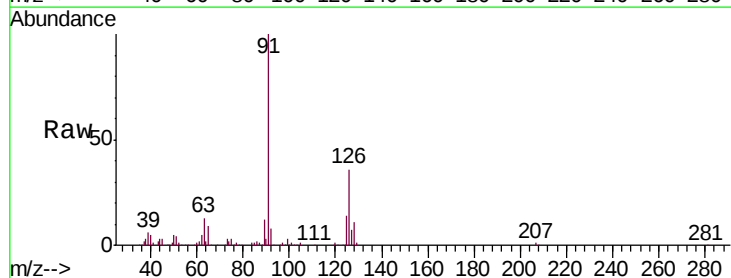
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

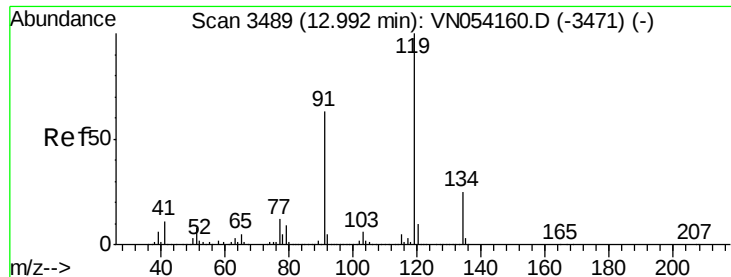
Tgt Ion: 75 Resp: 14804
Ion Ratio Lower Upper
75 100
53 102.4 76.2 114.2
89 48.6 39.2 58.8



#82
4-Chlorotoluene
Concen: 5.048 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054158.D
Acq: 12 Mar 2019 10:29

Tgt Ion: 91 Resp: 208971
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.1

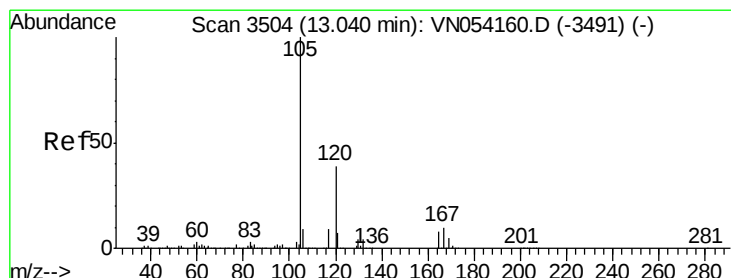
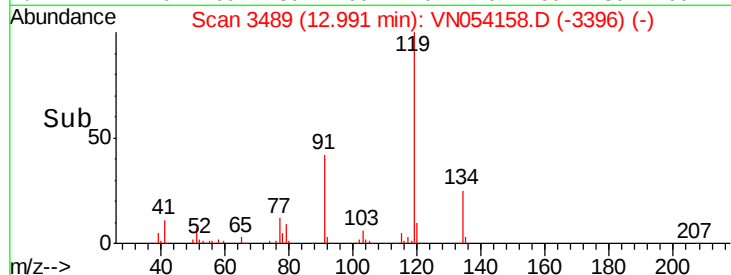
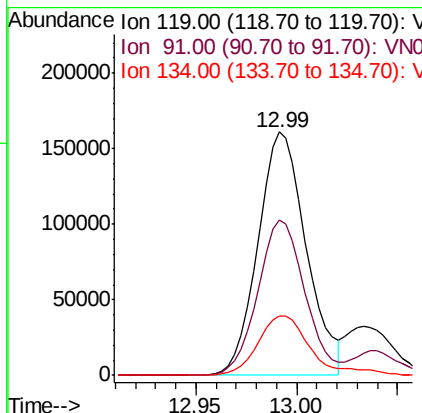
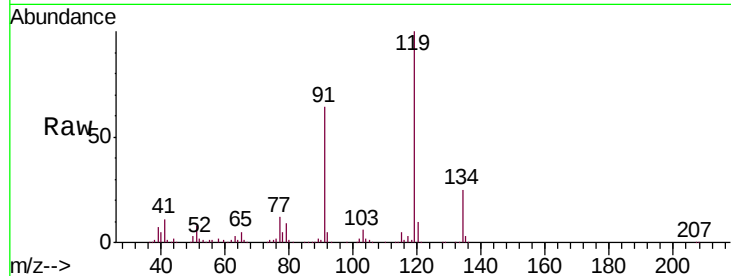




#83
 tert-Butylbenzene
 Concen: 5.532 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

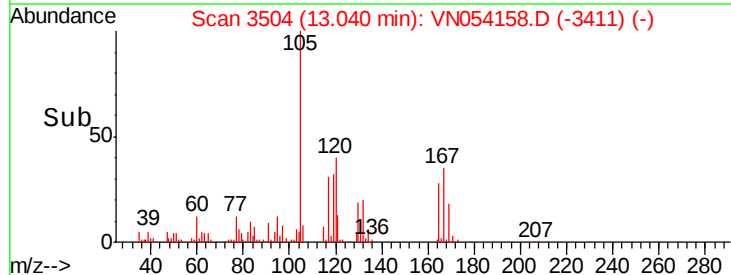
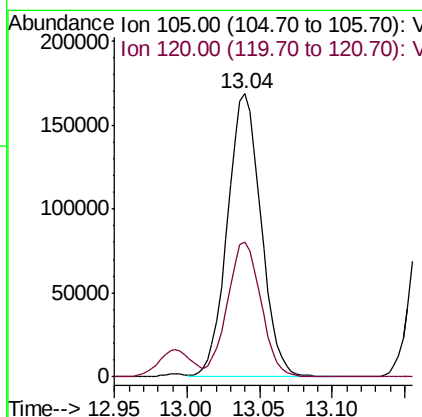
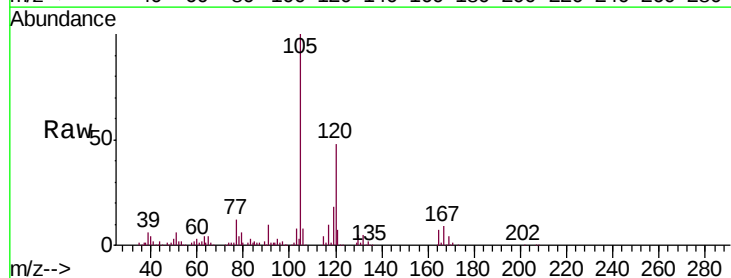
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

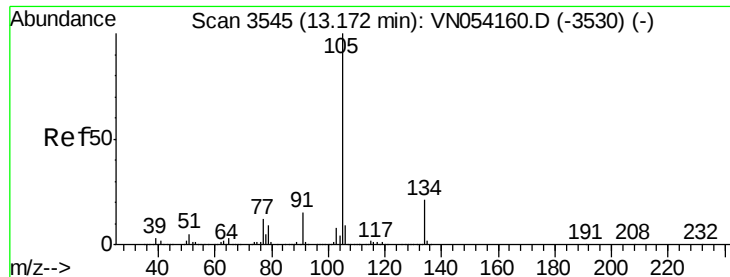
Tgt Ion:119 Resp: 269163
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.9 92.8
 134 26.7 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.224 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion:105 Resp: 270897
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 5.493 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

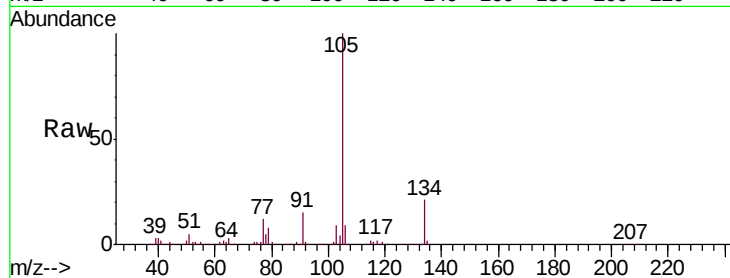
VSTDIC005

Tgt Ion:105 Resp: 346577

Ion Ratio Lower Upper

105 100

134 20.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

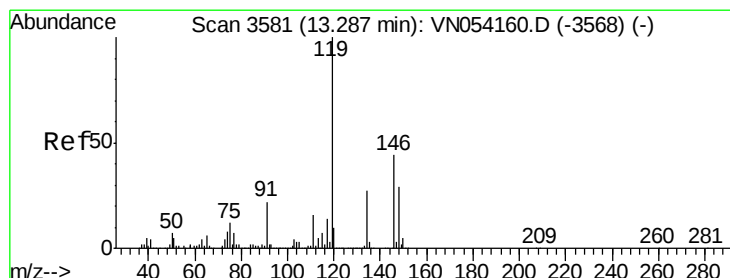
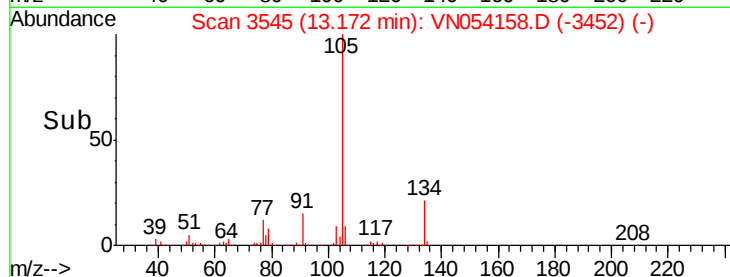
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 5.224 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

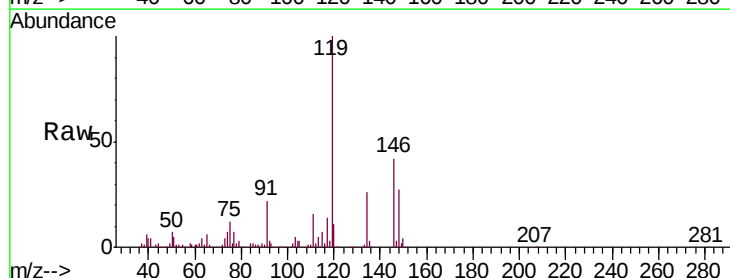
Tgt Ion:119 Resp: 289186

Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 22.0 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

250000

200000

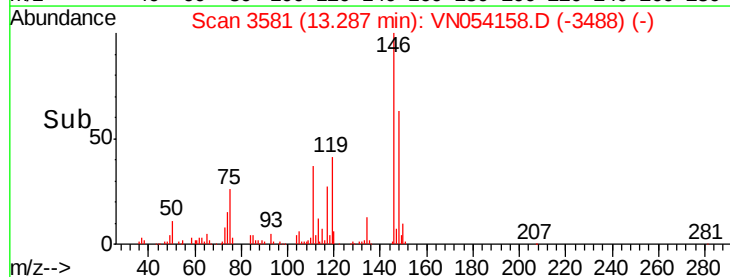
150000

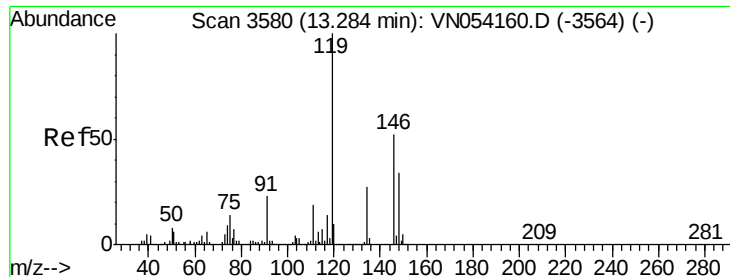
100000

50000

0

Time-->

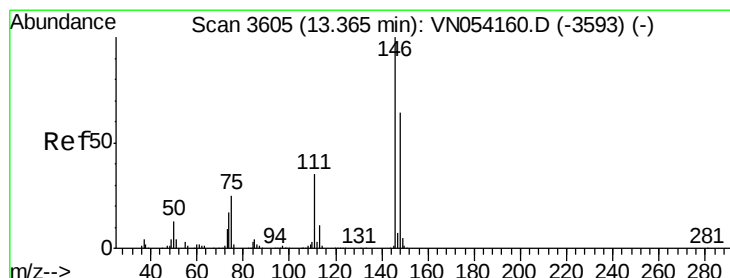
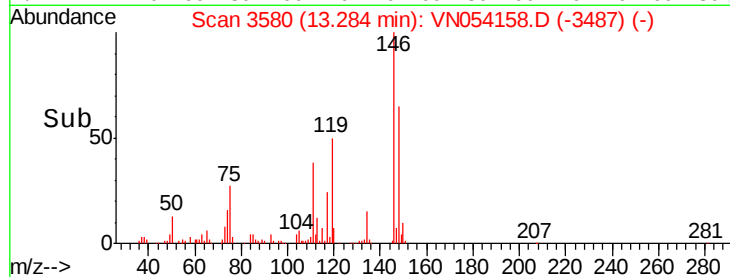
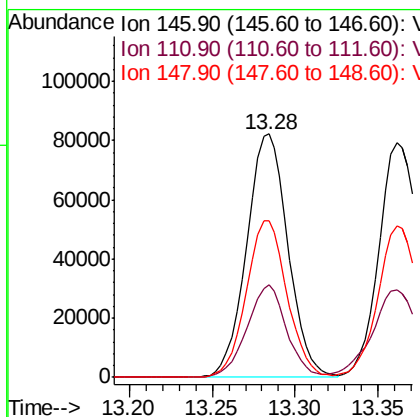
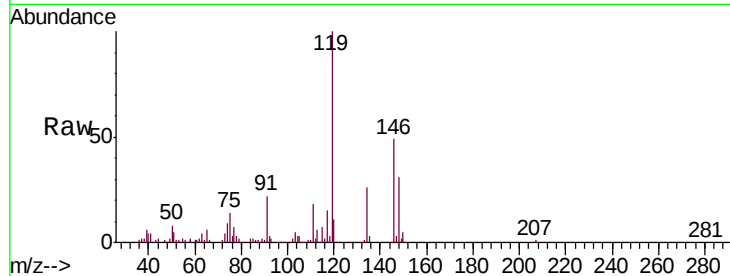




#87
 1,3-Dichlorobenzene
 Concen: 5.014 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

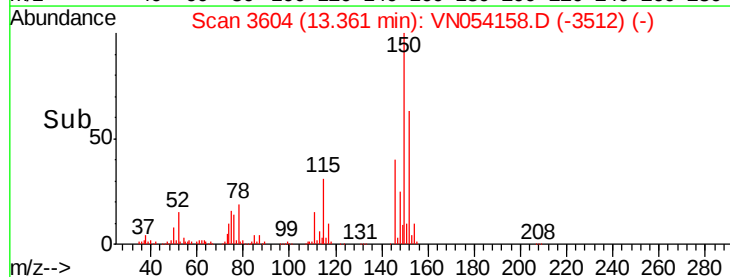
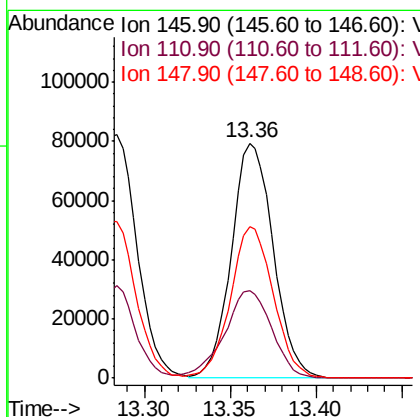
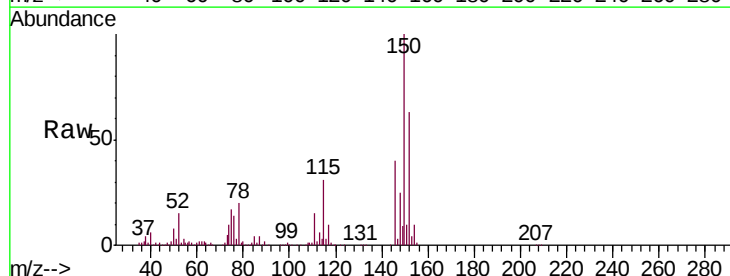
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

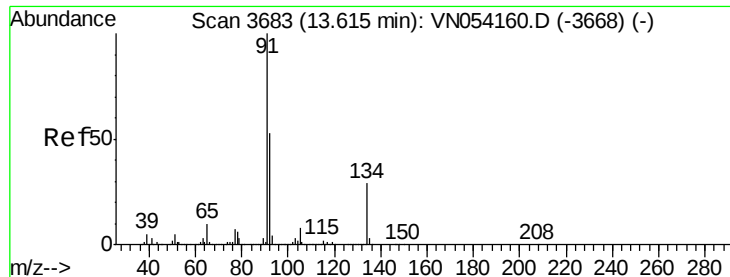
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	63.4	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 4.840 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	18.1	54.1
148	66.2	32.0	96.0





#89

n-Butylbenzene

Concen: 4.651 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

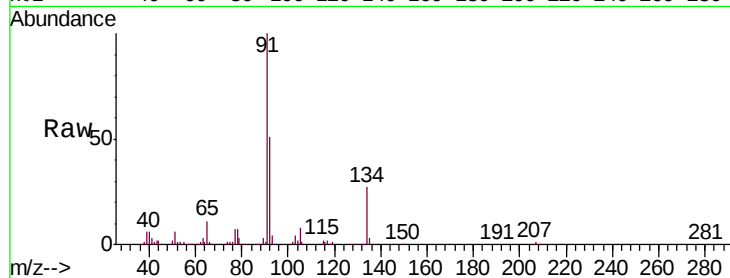
Tgt Ion: 91 Resp: 195606

Ion Ratio Lower Upper

91 100

92 51.7 26.2 78.6

134 28.1 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)

13.61

150000

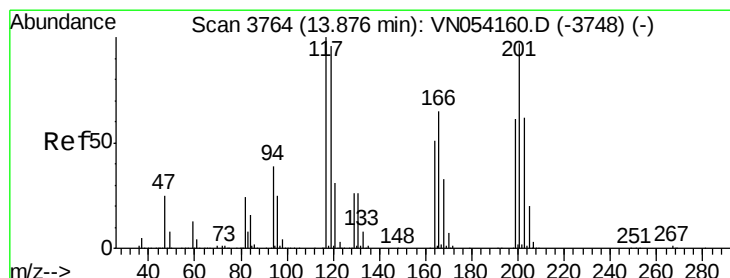
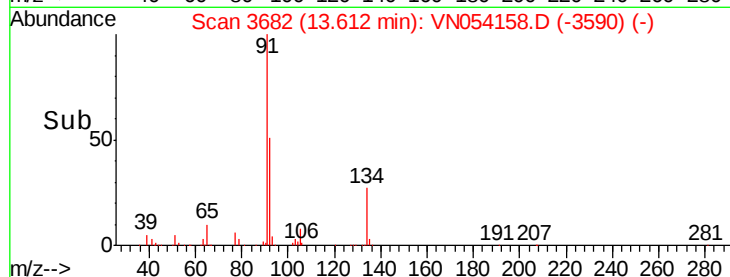
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 4.860 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054158.D

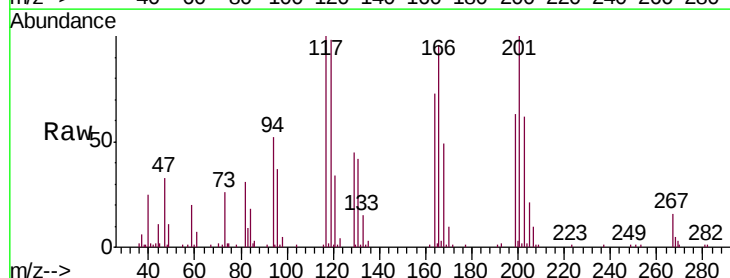
Acq: 12 Mar 2019 10:29

Tgt Ion: 117 Resp: 44544

Ion Ratio Lower Upper

117 100

201 98.3 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

13.87

30000

25000

20000

15000

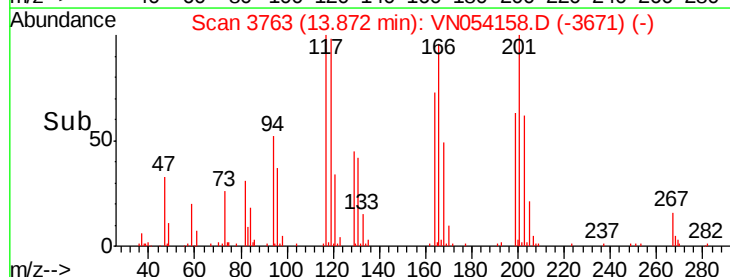
10000

5000

0

13.80 13.85 13.90

Time-->

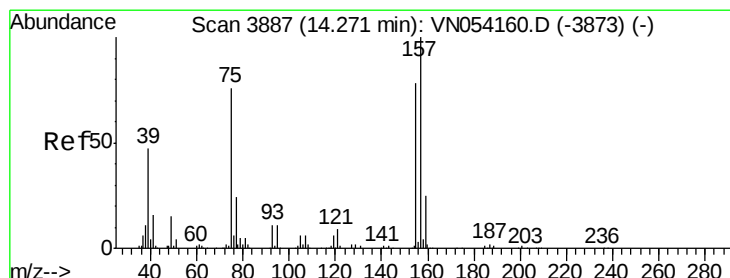
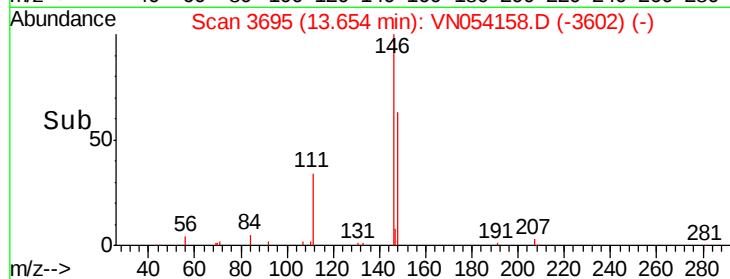
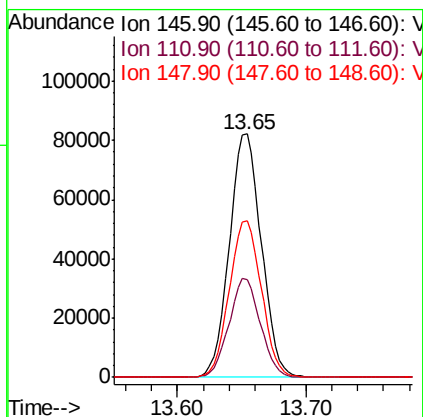
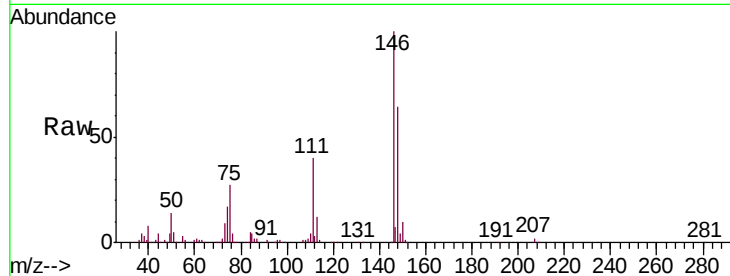




#91
 1,2-Dichlorobenzene
 Concen: 5.112 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

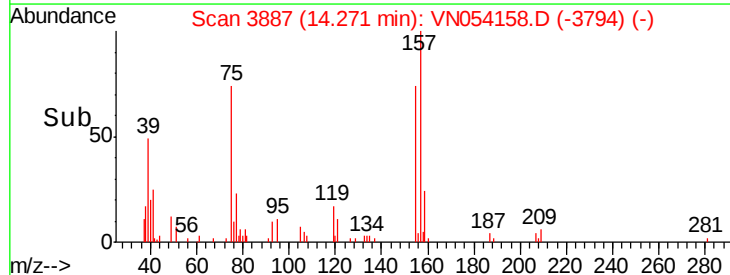
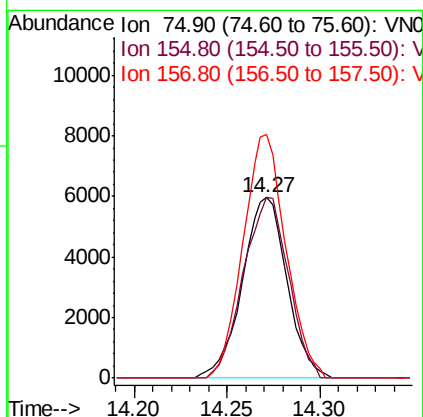
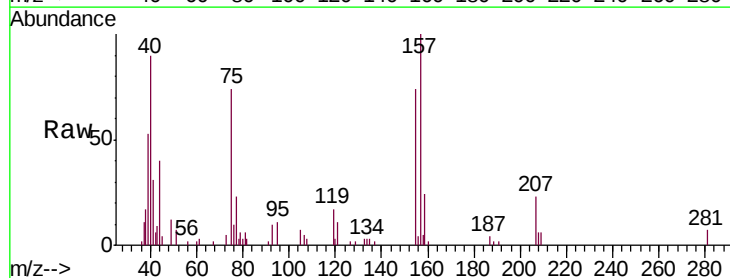
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

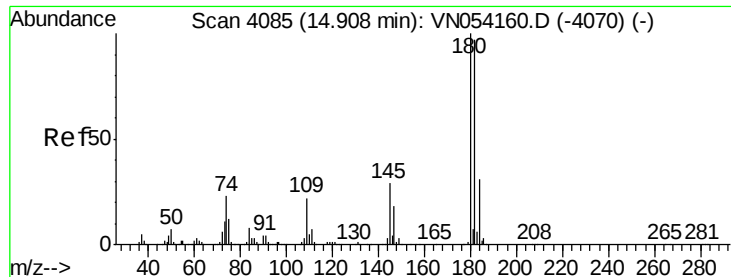
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.3
148	64.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.759 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	50.1	150.3
157	129.5	63.1	189.3

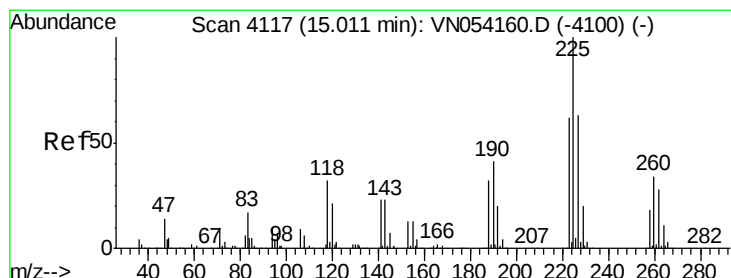
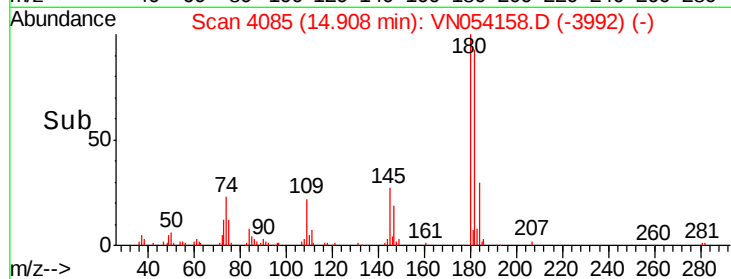
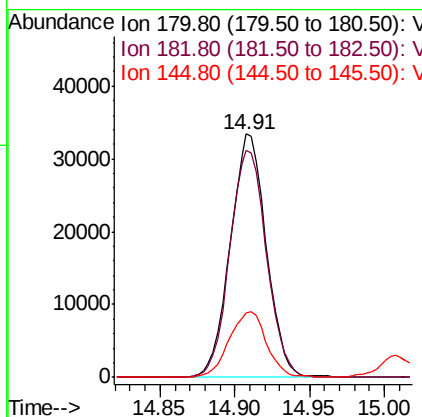
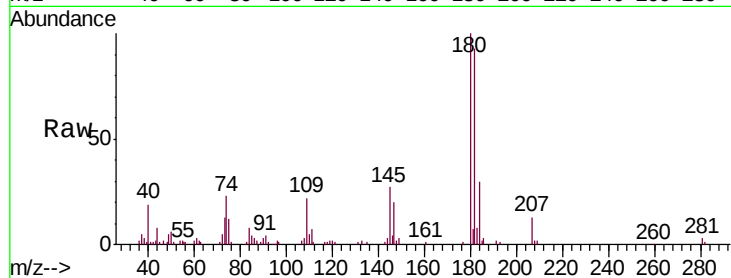




#93
 1,2,4-Trichlorobenzene
 Concen: 5.689 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

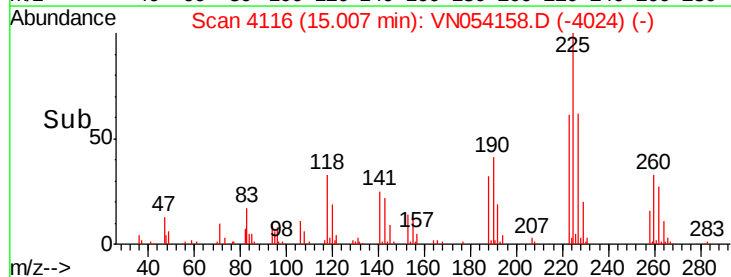
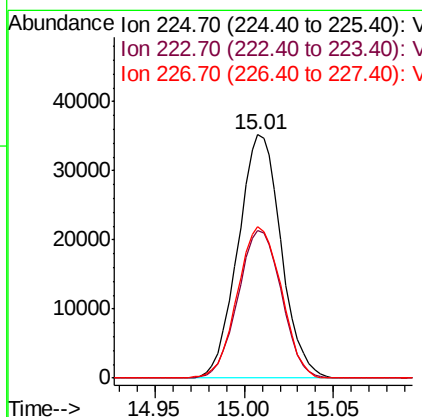
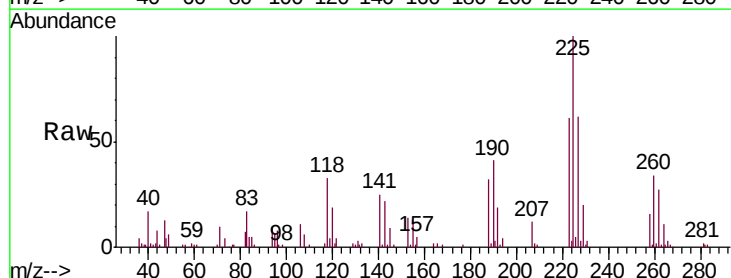
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

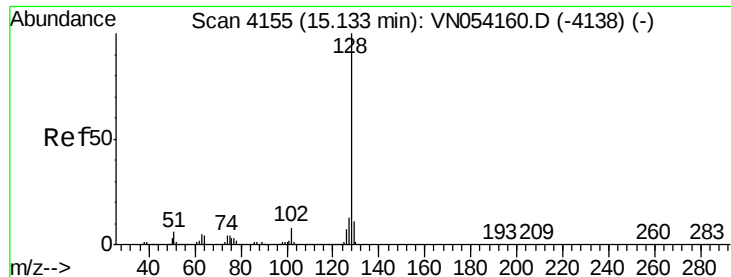
Tgt Ion:180 Resp: 55867
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.0 144.2
 145 28.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 5.630 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054158.D
 Acq: 12 Mar 2019 10:29

Tgt Ion:225 Resp: 59404
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.1 93.5
 227 63.4 31.9 95.9





#95

Naphthalene

Concen: 6.412 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

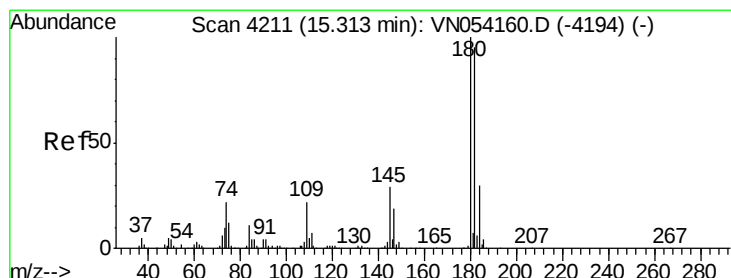
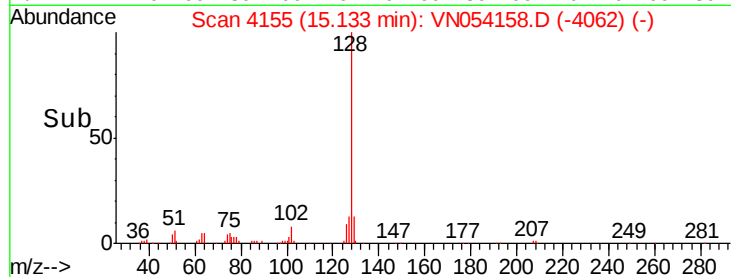
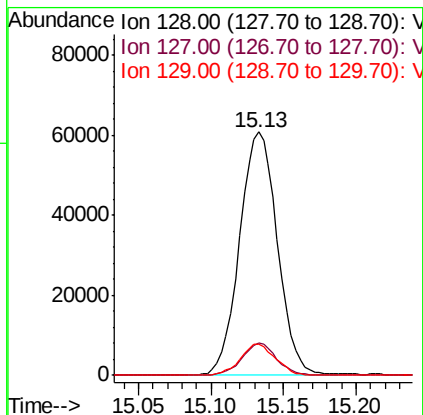
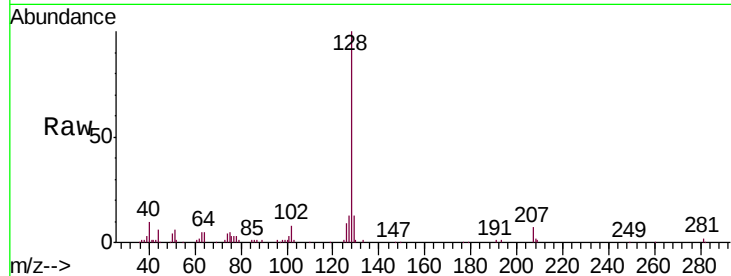
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	110142
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	11.9	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.177 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054158.D

Acq: 12 Mar 2019 10:29

Tgt Ion:	180	Resp:	61472
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	29.4	14.8	44.3

