

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031119\
 Data File : VN054139.D
 Acq On : 11 Mar 2019 13:16
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Mar 12 01:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031119W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 12 00:55:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1156391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1683226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1409667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	500475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	14531	1.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.36%	
35) Dibromofluoromethane	7.59	113	11632	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	
50) Toluene-d8	10.09	98	45305	1.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.26%	
62) 4-Bromofluorobenzene	12.40	95	22071	1.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	7586	0.796	ug/l	88
3) Chloromethane	2.05	50	9045	0.798	ug/l	97
4) Vinyl Chloride	2.19	62	10425	0.816	ug/l #	84
5) Bromomethane	2.58	94	8050	0.919	ug/l	91
6) Chloroethane	2.71	64	5362	0.675	ug/l	94
7) Trichlorofluoromethane	3.02	101	12602	0.715	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	8626	0.761	ug/l #	53
10) Methyl Iodide	3.94	142	7831	0.540	ug/l #	71
11) Tert butyl alcohol	4.82	59	1959	2.294	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	8646	0.789	ug/l	87
13) Acrolein	3.61	56	1033	1.491	ug/l #	56
14) Allyl chloride	4.32	41	10389	0.654	ug/l #	77
15) Acrylonitrile	5.01	53	11370	3.296	ug/l	91
16) Acetone	3.82	43	14553	Below Cal		97
17) Carbon Disulfide	4.04	76	40874	1.445	ug/l	98
18) Methyl Acetate	4.33	43	4252	0.535	ug/l #	79
19) Methyl tert-butyl Ether	5.06	73	18141	0.609	ug/l	92
20) Methylene Chloride	4.55	84	10484	0.943	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	11902	1.106	ug/l #	71
22) Diisopropyl ether	5.96	45	19760	0.674	ug/l #	75
23) Vinyl Acetate	5.91	43	62645	2.828	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	13454	0.708	ug/l #	95
25) 2-Butanone	6.86	43	6872	1.666	ug/l	97
26) 2,2-Dichloropropane	6.82	77	12052	0.686	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	10818	0.879	ug/l	81
28) Bromochloromethane	7.20	49	6410	0.775	ug/l #	77
29) Tetrahydrofuran	7.23	42	8494	3.204	ug/l #	85
30) Chloroform	7.37	83	13980	0.694	ug/l	94
31) Cyclohexane	7.66	56	28976	0.670	ug/l #	10
32) 1,1,1-Trichloroethane	7.57	97	11079	0.608	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	12670	0.865	ug/l	84
38) Carbon Tetrachloride	7.77	117	12544	0.772	ug/l	95
39) Methylcyclohexane	9.08	83	12926	0.717	ug/l	89
40) Benzene	8.04	78	29211	0.694	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.13	62	10106	0.696	ug/l	94
43) Isopropyl Acetate	8.18	43	8990	0.569	ug/l	95
44) Trichloroethene	8.83	130	10576	0.814	ug/l	88
45) 1,2-Dichloropropane	9.12	63	7007	0.651	ug/l	90
46) Dibromomethane	9.21	93	5499	0.754	ug/l	88
47) Bromodichloromethane	9.40	83	9910	0.655	ug/l	93
48) Methyl methacrylate	9.20	41	4683	0.552	ug/l #	81
49) 1,4-Dioxane	9.21	88	1509	13.700	ug/l #	68
51) 4-Methyl-2-Pentanone	9.99	43	24158	2.852	ug/l	95
52) Toluene	10.16	92	18566	0.689	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	11440	0.743	ug/l #	34
54) cis-1,3-Dichloropropene	9.84	75	11870	0.686	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	7147	0.703	ug/l	93
56) Ethyl methacrylate	10.43	69	7708	0.620	ug/l	93
57) 1,3-Dichloropropane	10.71	76	9662	0.587	ug/l #	77
58) 2-Chloroethyl Vinyl ether	9.70	63	19557	4.259	ug/l	91
59) 2-Hexanone	10.76	43	20818	3.703	ug/l	92
60) Dibromochloromethane	10.90	129	7568	0.643	ug/l	89
61) 1,2-Dibromoethane	11.01	107	6869	0.673	ug/l	97
64) Tetrachloroethene	10.63	164	10593	0.816	ug/l	97
65) Chlorobenzene	11.44	112	22662	0.759	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	7478	0.666	ug/l #	62
67) Ethyl Benzene	11.51	91	37761	0.761	ug/l	100
68) m/p-Xylenes	11.62	106	27017	1.391	ug/l	95
69) o-Xylene	11.95	106	13150	0.690	ug/l	98
70) Styrene	11.97	104	20150	0.683	ug/l	96
71) Bromoform	12.13	173	4315	0.554	ug/l #	100
73) Isopropylbenzene	12.25	105	35370	0.889	ug/l	100
74) N-amyl acetate	12.07	43	8023	0.885	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	7249	0.842	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	9485	1.342	ug/l #	100
77) Bromobenzene	12.53	156	9929	0.958	ug/l	90
78) n-propylbenzene	12.59	91	37325	0.876	ug/l	96
79) 2-Chlorotoluene	12.68	91	22953	0.880	ug/l	89
80) 1,3,5-Trimethylbenzene	12.73	105	27639	0.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	1733	0.730	ug/l #	83
82) 4-Chlorotoluene	12.78	91	23443	0.922	ug/l	94
83) tert-Butylbenzene	12.99	119	26416	0.867	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	26834	0.830	ug/l	88
85) sec-Butylbenzene	13.17	105	36998	0.937	ug/l	95
86) p-Isopropyltoluene	13.29	119	30172	0.876	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	17817	1.029	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	17817	1.042	ug/l	98
89) n-Butylbenzene	13.62	91	24989	0.946	ug/l	98
90) Hexachloroethane	13.87	117	4653	0.756	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	17999	1.059	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1628	1.098	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	17520	1.987	ug/l	98
94) Hexachlorobutadiene	15.01	225	9405	1.399	ug/l	94
95) Naphthalene	15.13	128	48641	2.600	ug/l	99

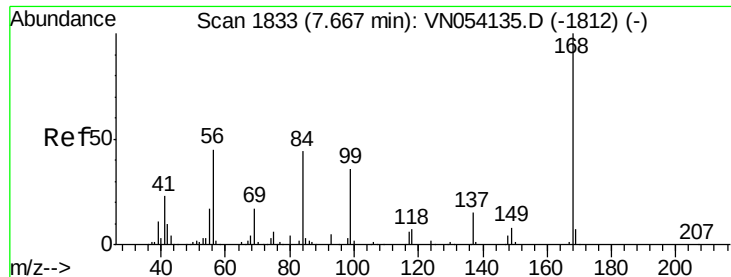
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	23299	2.608	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

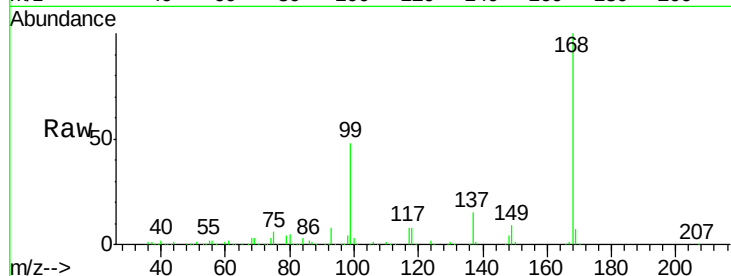
VSTDIC001

Tot Ion:168 Resp: 1156391

Ion Ratio Lower Upper

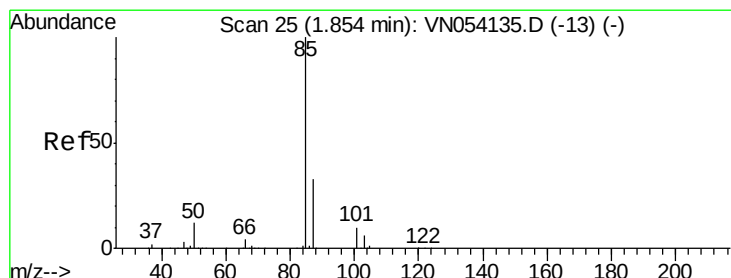
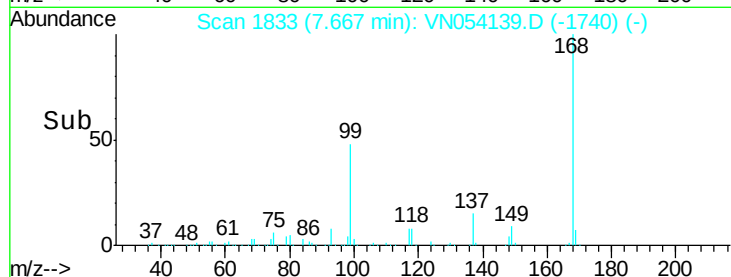
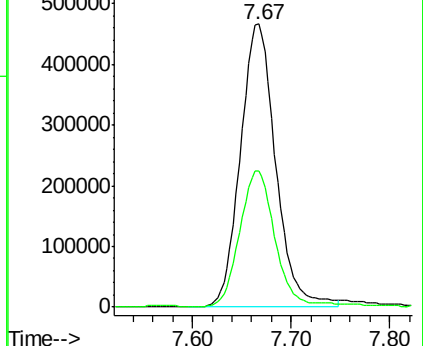
168 100

99 48.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 0.796 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054139.D

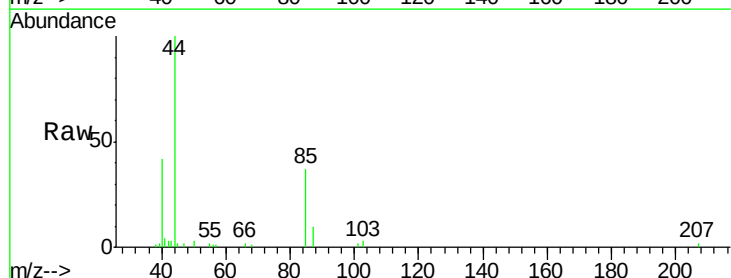
Acq: 11 Mar 2019 13:16

Tgt Ion: 85 Resp: 7586

Ion Ratio Lower Upper

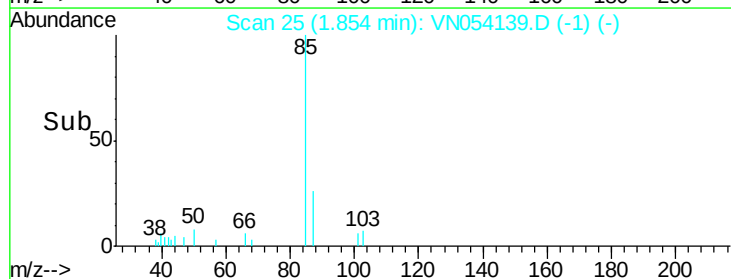
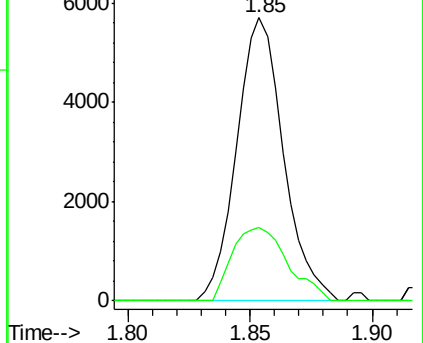
85 100

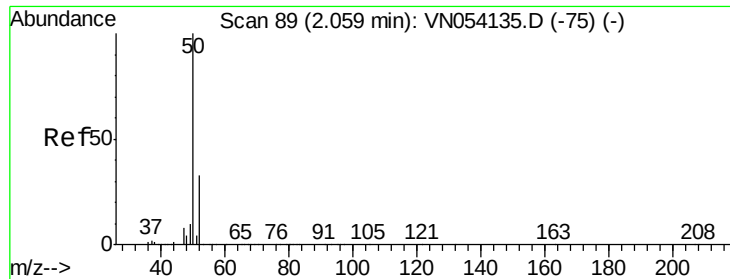
87 25.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 0.798 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

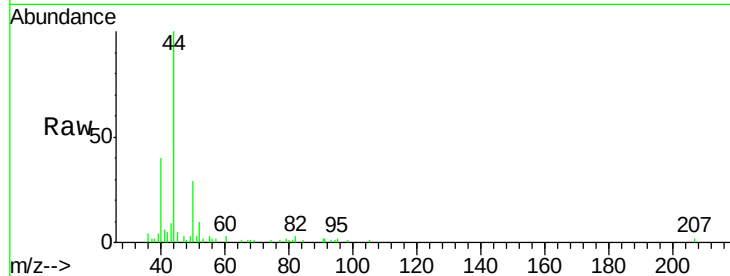
VSTDIC001

Tot Ion: 50 Resp: 9045

Ion Ratio Lower Upper

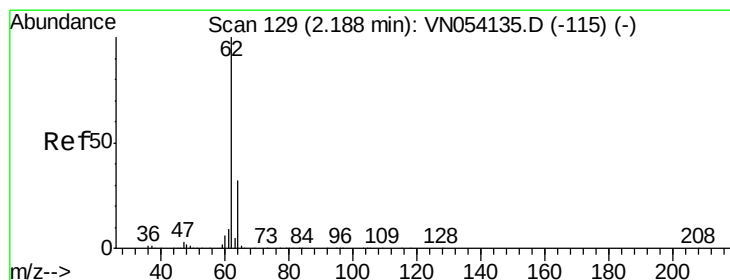
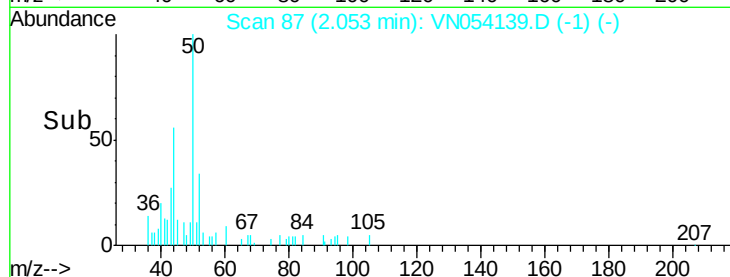
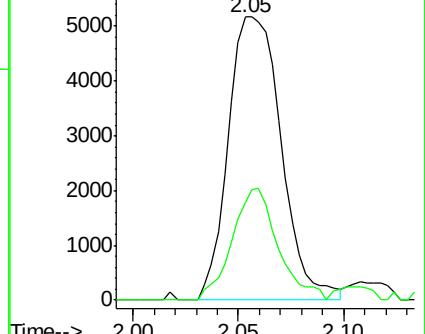
50 100

52 34.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.816 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054139.D

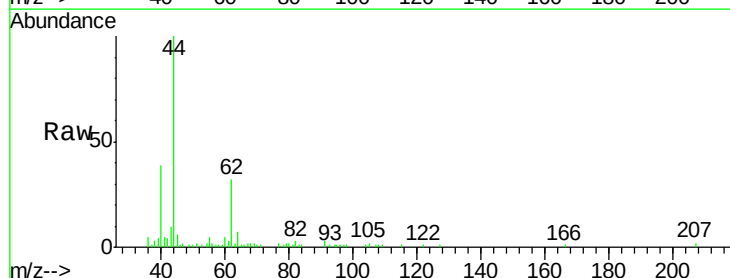
Acq: 11 Mar 2019 13:16

Tgt Ion: 62 Resp: 10425

Ion Ratio Lower Upper

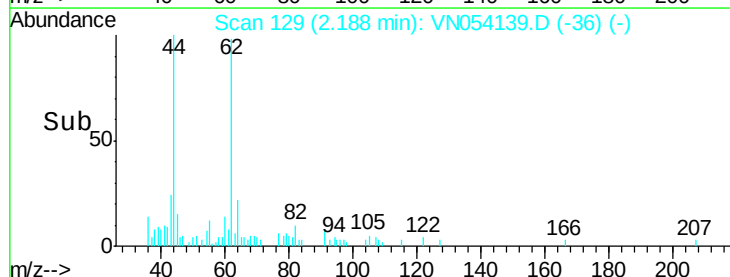
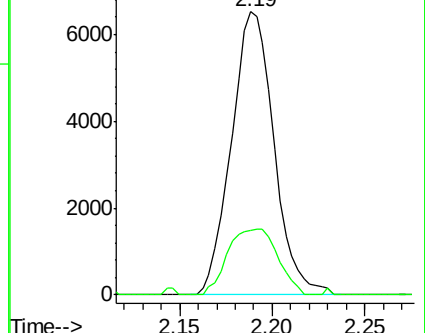
62 100

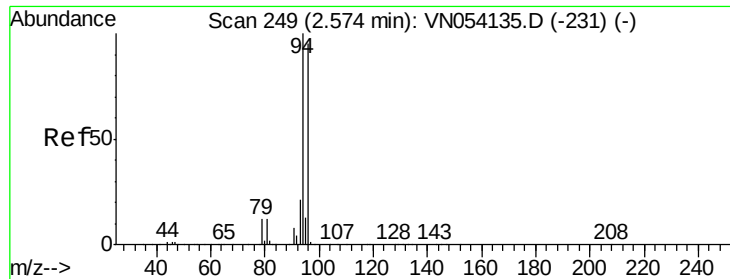
64 23.0 25.3 37.9#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 0.919 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

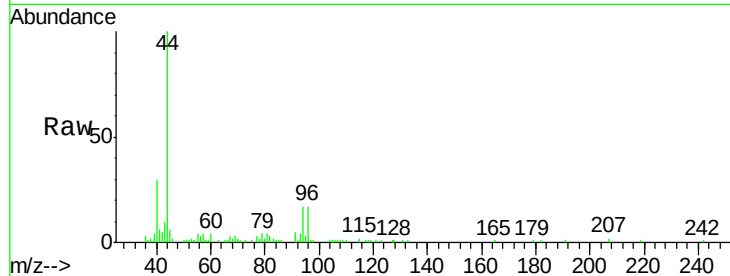
VSTDIC001

Tot Ion: 94 Resp: 8050

Ion Ratio Lower Upper

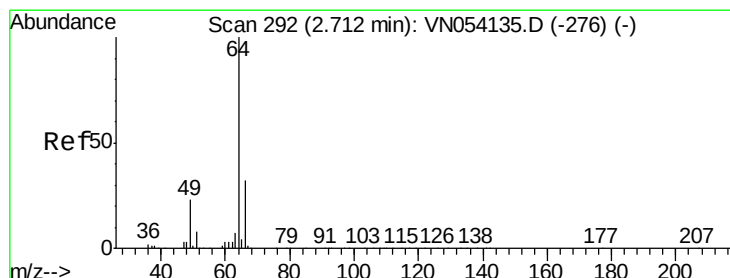
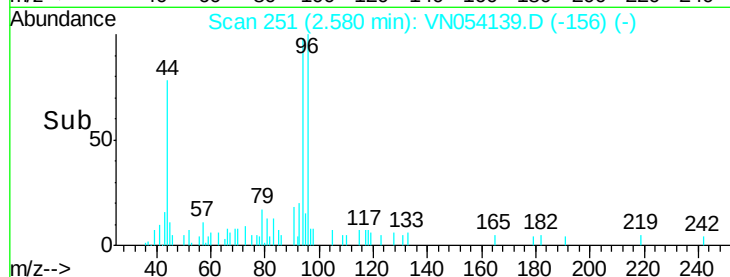
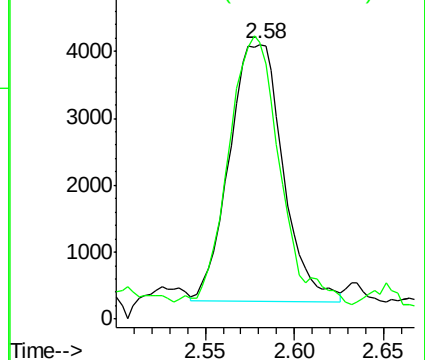
94 100

96 101.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.675 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054139.D

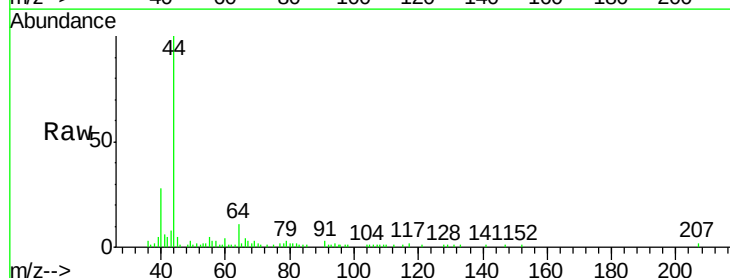
Acq: 11 Mar 2019 13:16

Tgt Ion: 64 Resp: 5362

Ion Ratio Lower Upper

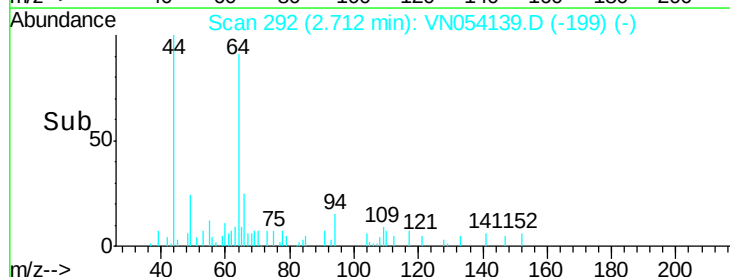
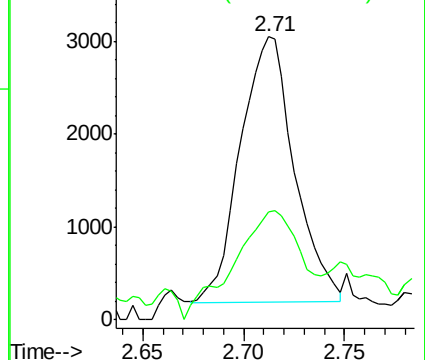
64 100

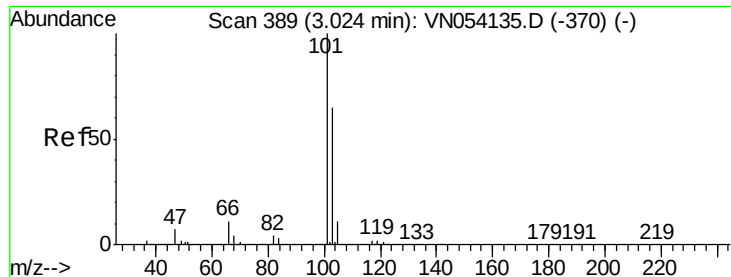
66 35.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



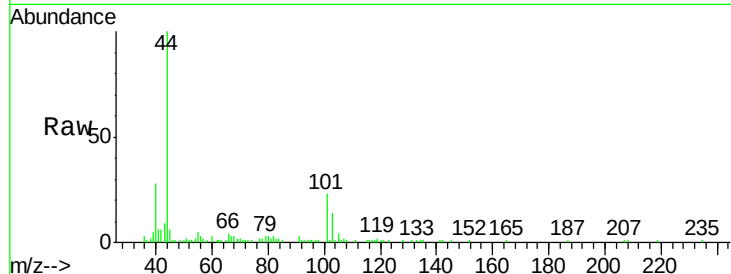


#7

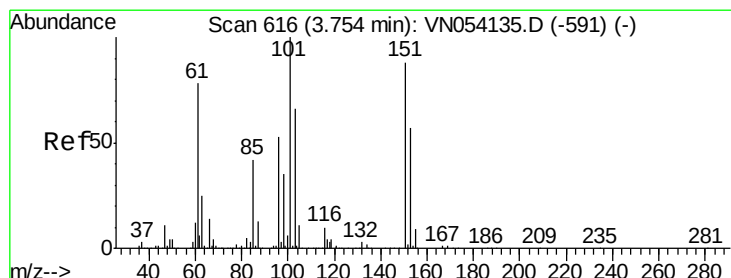
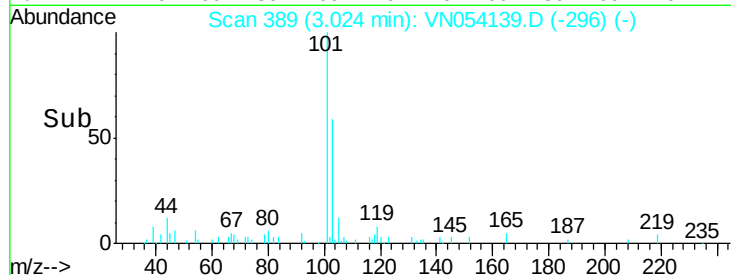
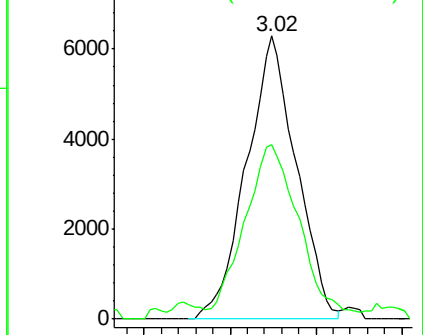
Trichlorofluoromethane
Concen: 0.715 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 12602
Ion Ratio Lower Upper
101 100
103 56.6 52.0 78.0



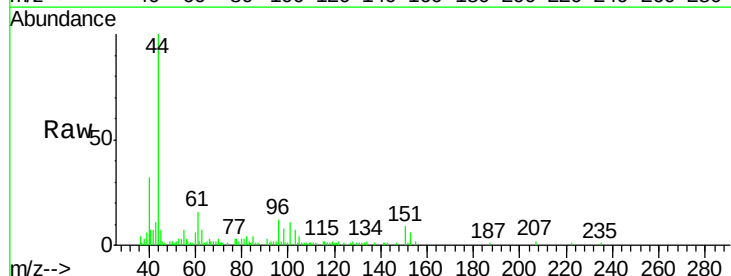
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



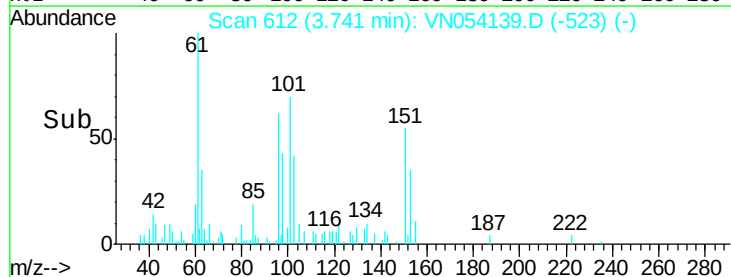
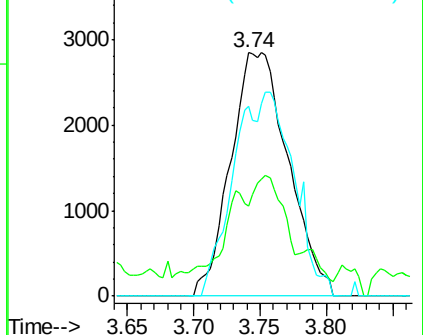
#9

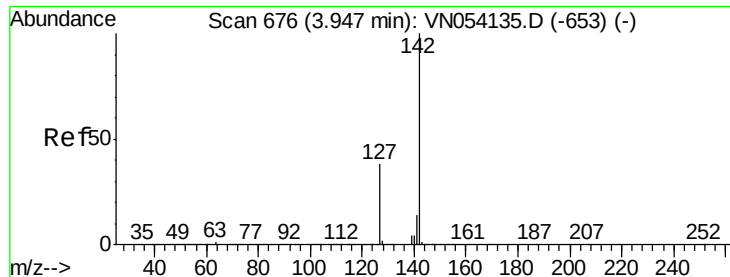
1,1,2-Trichlorotrifluoroethane
Concen: 0.761 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.01 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion:101 Resp: 8626
Ion Ratio Lower Upper
101 100
85 13.2 33.1 49.7#
151 38.0 64.3 96.5#



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN0
Ion 150.80 (150.50 to 151.50): V

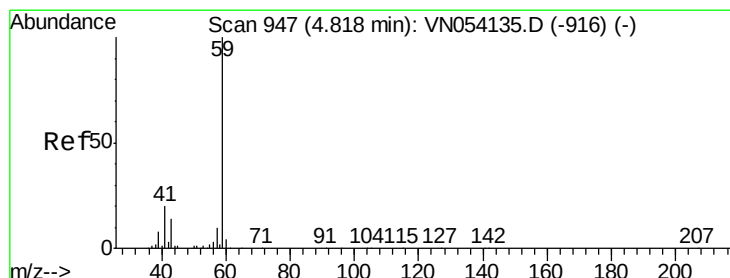
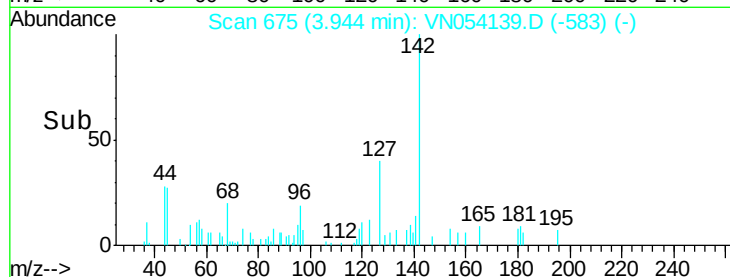
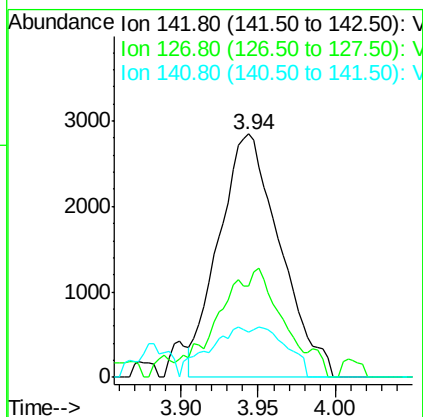
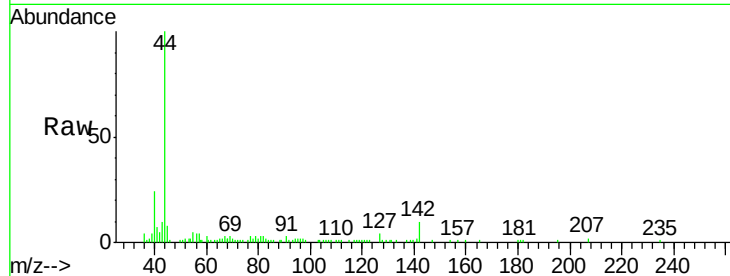




#10
Methvl Iodide
Concen: 0.540 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

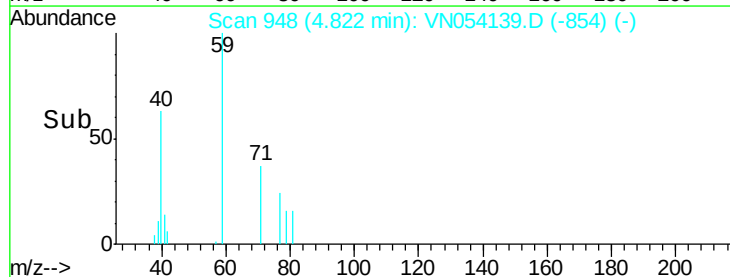
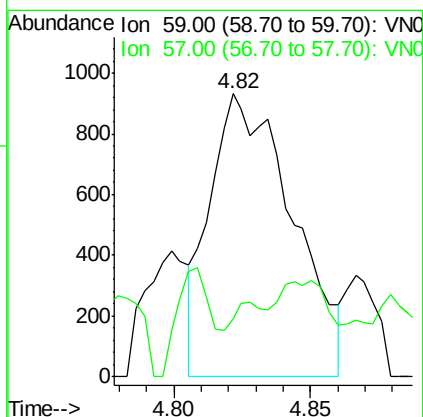
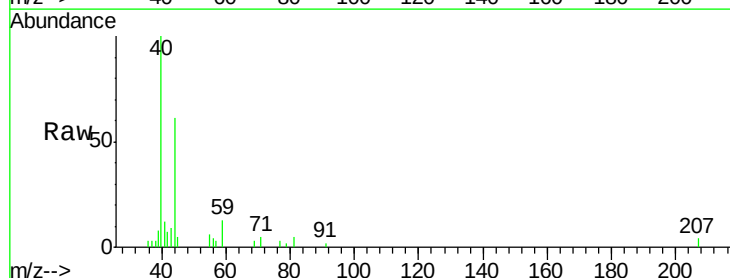
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

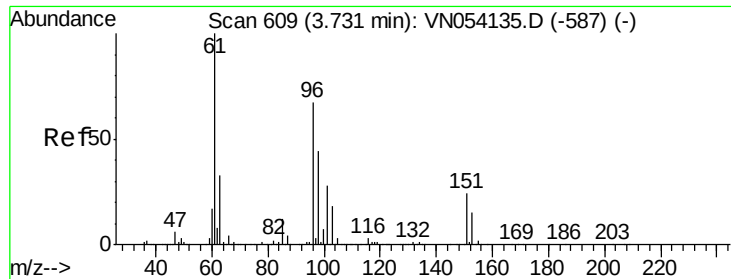
Tot Ion:142 Resp: 7831
Ion Ratio Lower Upper
142 100
127 15.7 31.9 47.9#
141 13.6 11.4 17.0



#11
Tert butyl alcohol
Concen: 2.294 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 59 Resp: 1959
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

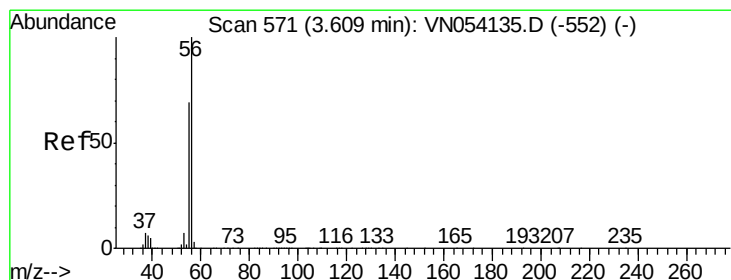
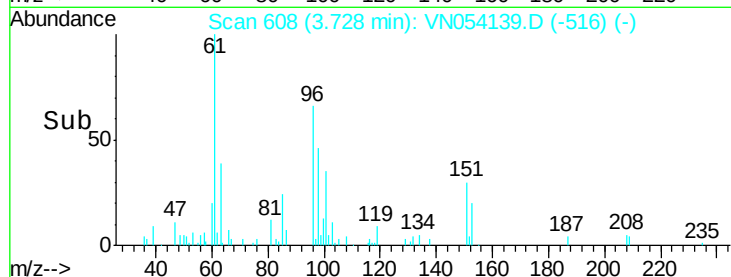
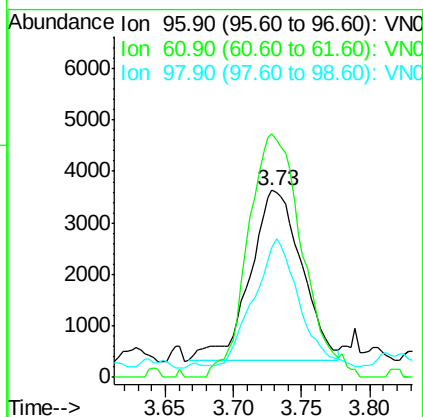
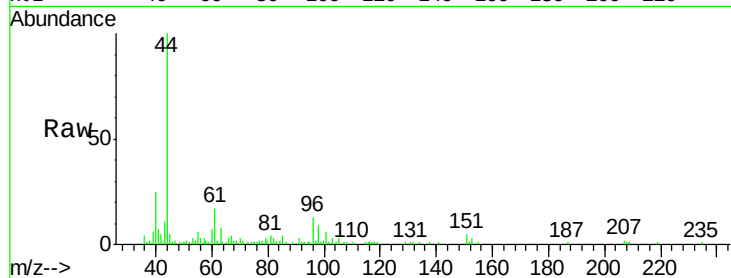




#12
 1,1-Dichloroethene
 Concen: 0.789 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

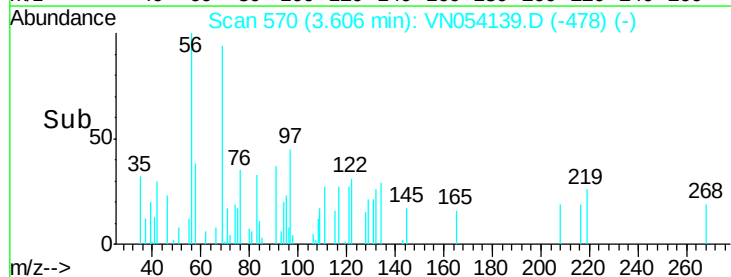
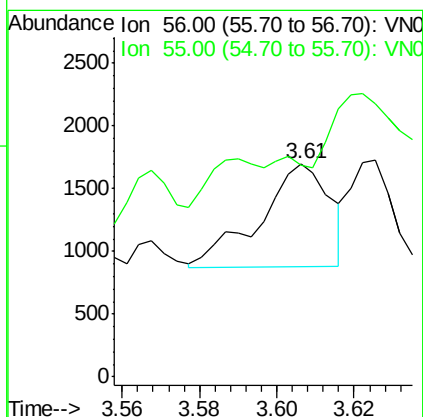
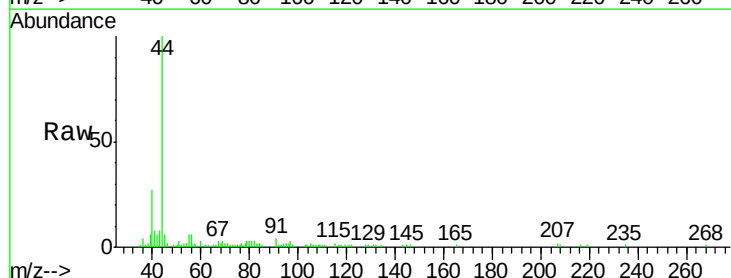
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

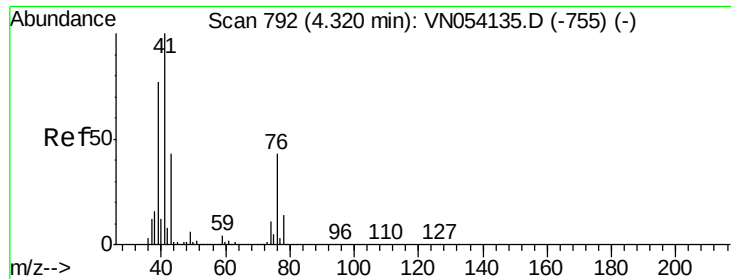
Tot Ion: 96 Resp: 8646
 Ion Ratio Lower Upper
 96 100
 61 143.4 131.2 196.8
 98 69.7 50.7 76.1



#13
 Acrolein
 Concen: 1.491 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Tgt Ion: 56 Resp: 1033
 Ion Ratio Lower Upper
 56 100
 55 35.0 57.1 85.7#

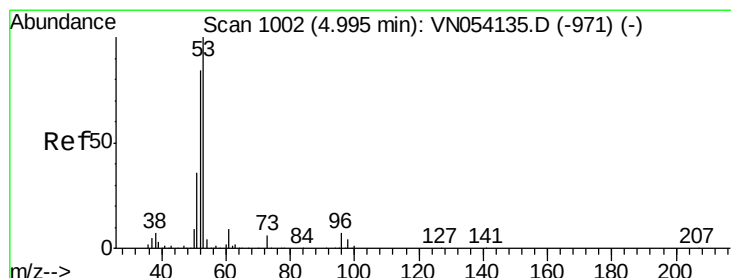
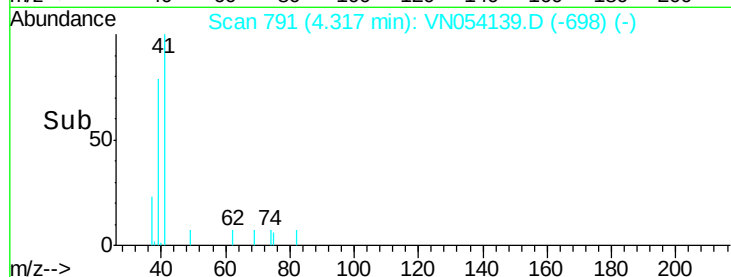
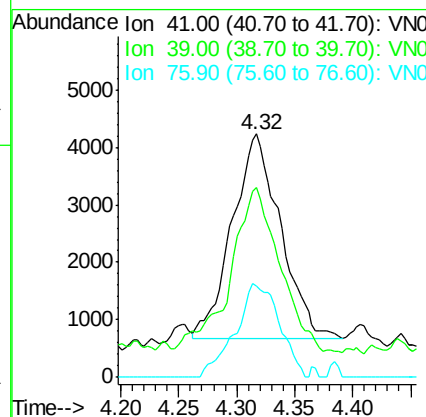
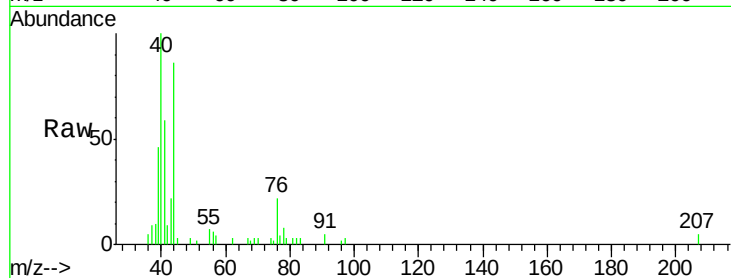




#14
Allvl chloride
Concen: 0.654 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

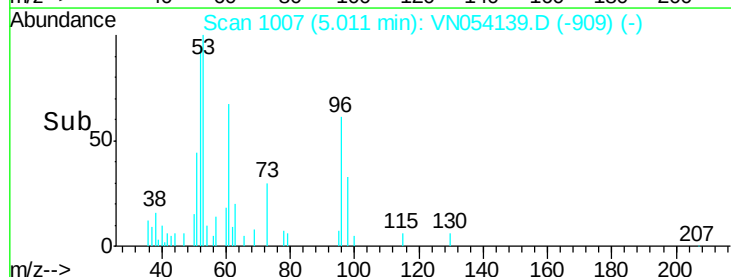
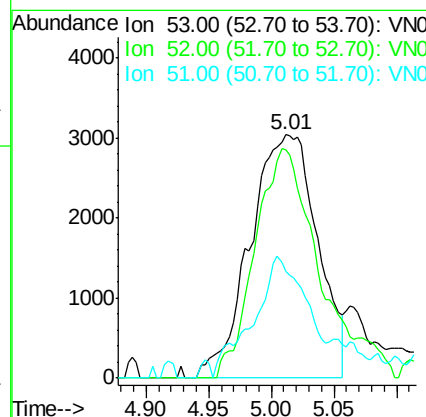
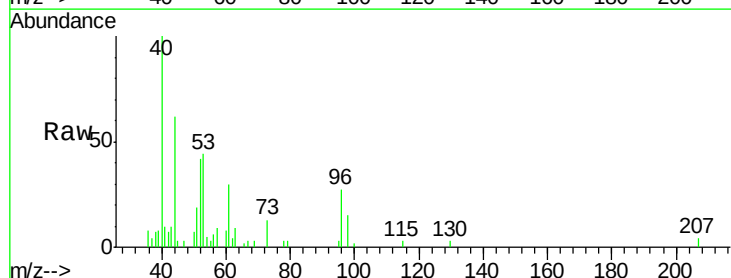
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

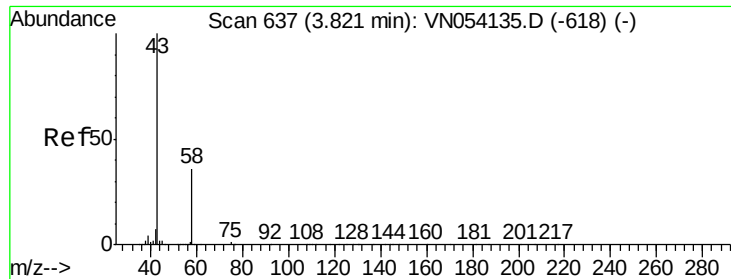
Tot Ion: 41 Resp: 10389
Ion Ratio Lower Upper
41 100
39 82.3 49.3 73.9#
76 41.5 26.5 39.7#



#15
Acrylonitrile
Concen: 3.296 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 53 Resp: 11370
Ion Ratio Lower Upper
53 100
52 90.5 64.6 97.0
51 39.3 28.6 42.8





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

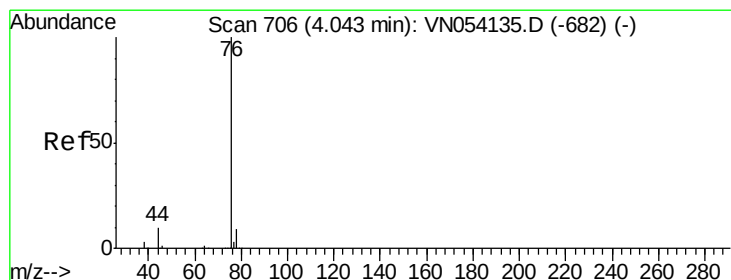
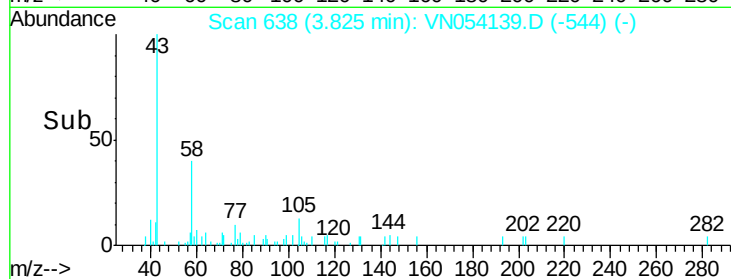
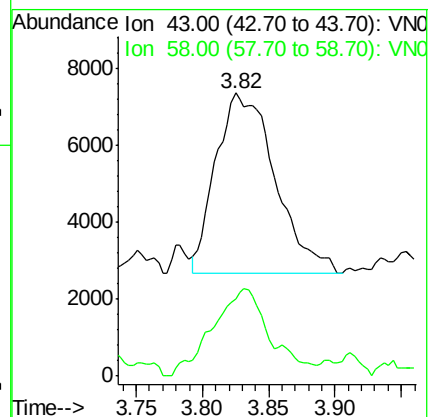
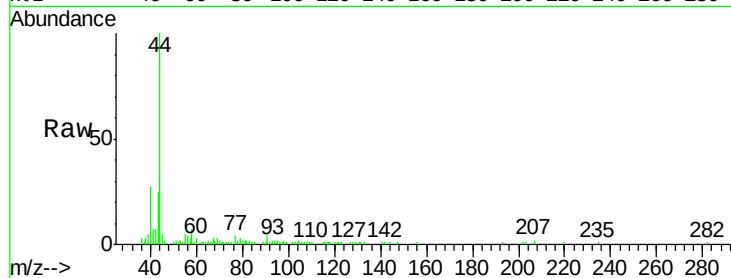
VSTDIC001

Tot Ion: 43 Resp: 14553

Ion Ratio Lower Upper

43 100

58 34.8 26.5 39.7



#17

Carbon Disulfide

Concen: 1.445 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054139.D

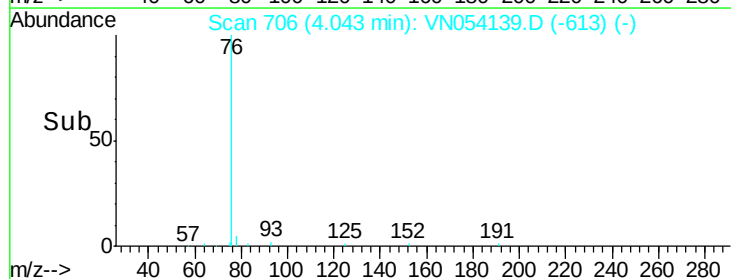
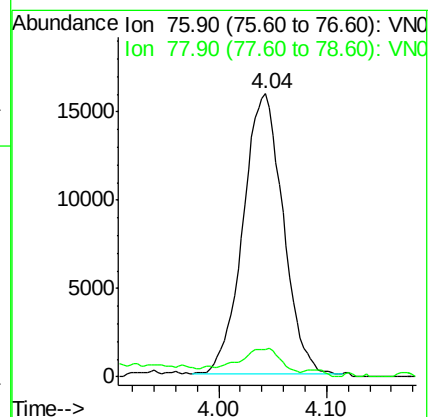
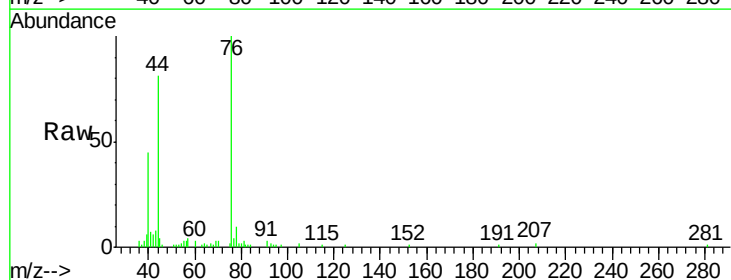
Acq: 11 Mar 2019 13:16

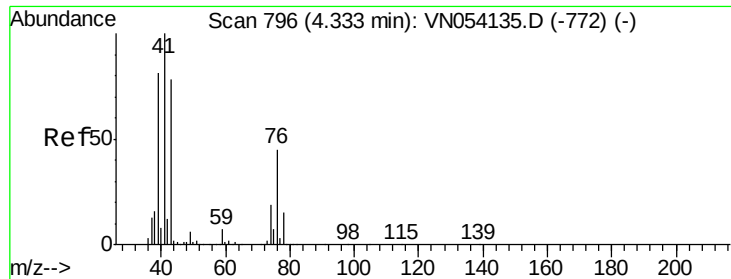
Tgt Ion: 76 Resp: 40874

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9

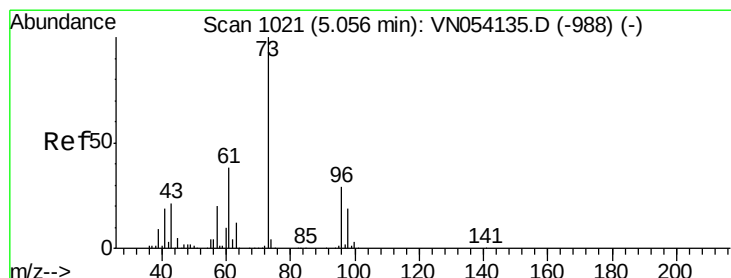
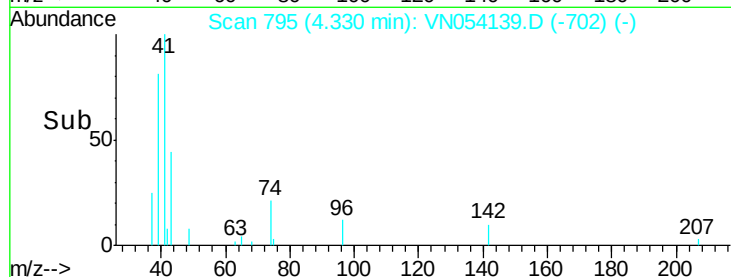
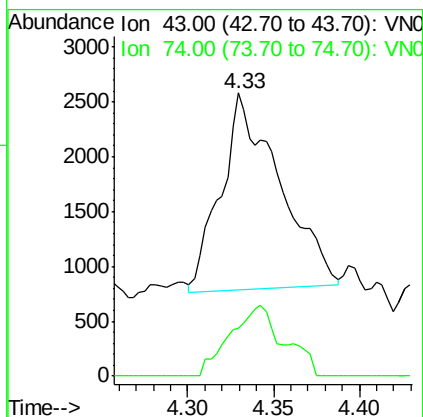
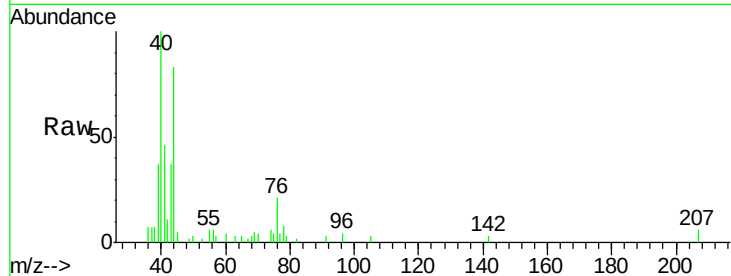




#18
Methyl Acetate
Concen: 0.535 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

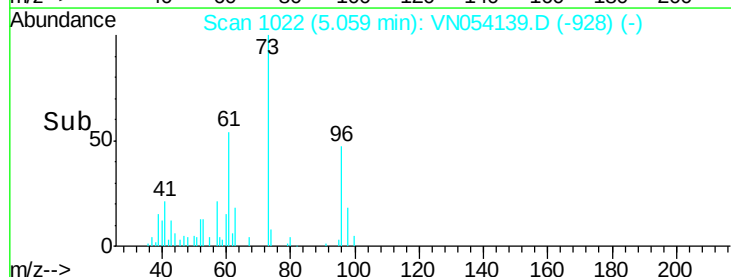
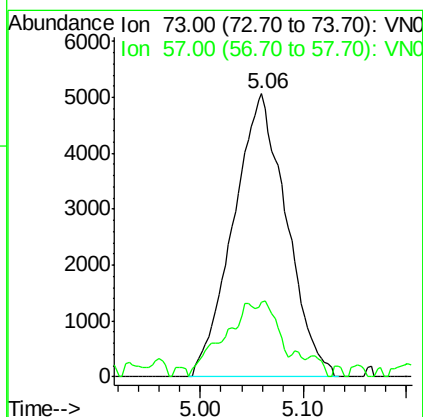
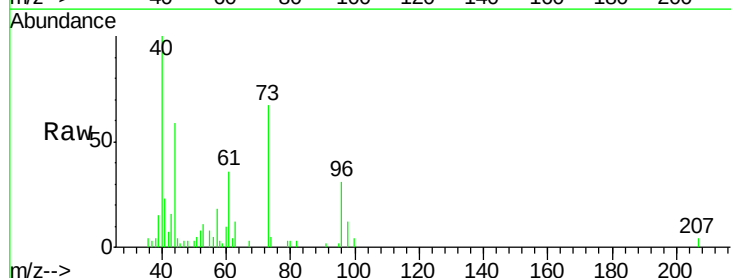
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

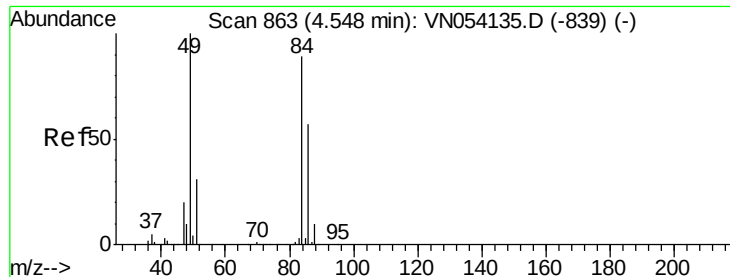
Tot Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
74 32.7 18.2 27.2#



#19
Methyl tert-butyl Ether
Concen: 0.609 ug/l
RT: 5.06 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 73 Resp: 18141
Ion Ratio Lower Upper
73 100
57 26.6 18.2 27.4

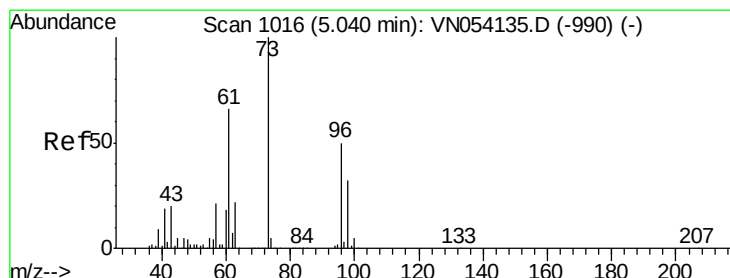
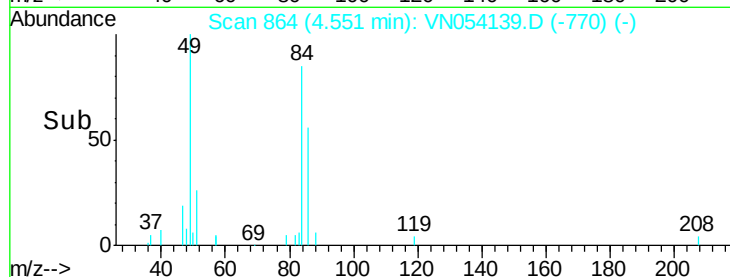
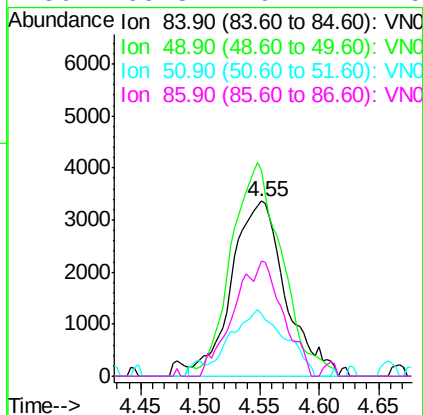
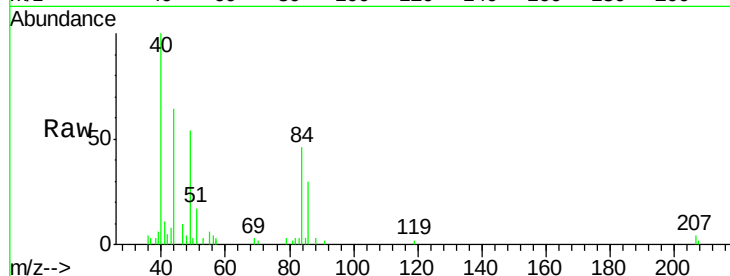




#20
Methylene Chloride
Concen: 0.943 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

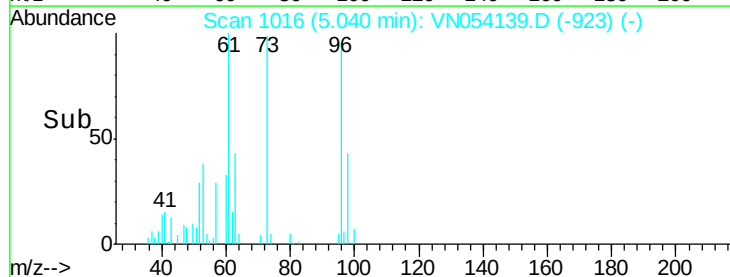
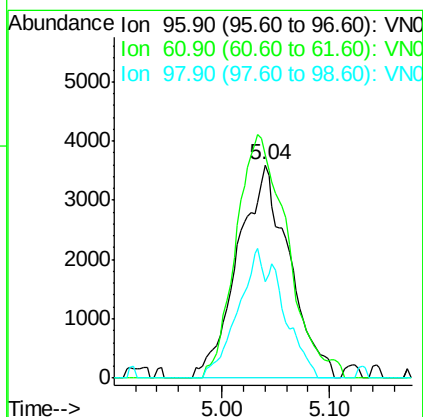
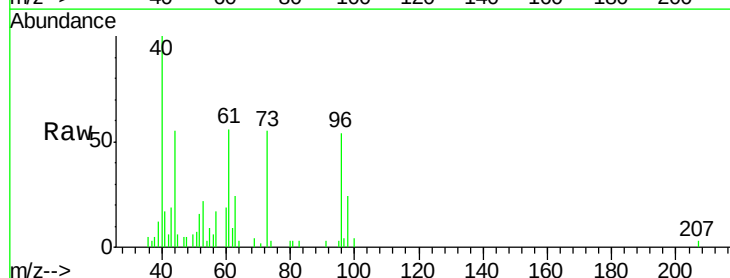
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

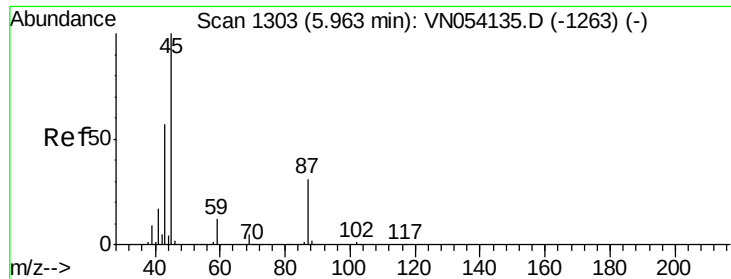
Tot Ion: 84 Resp: 10484
Ion Ratio Lower Upper
84 100
49 117.4 101.8 152.8
51 36.0 31.1 46.7
86 65.8 49.7 74.5



#21
trans-1,2-Dichloroethene
Concen: 1.106 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 96 Resp: 11902
Ion Ratio Lower Upper
96 100
61 105.0 114.8 172.2#
98 45.5 51.4 77.0#





#22

Diisopropyl ether

Concen: 0.674 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 19760

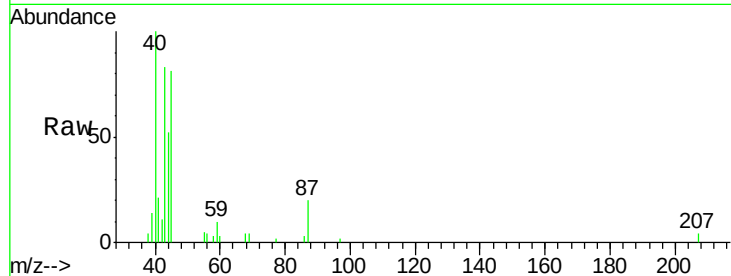
Ion Ratio Lower Upper

45 100

43 88.3 46.2 69.4#

87 25.2 20.6 31.0

59 12.0 9.4 14.0

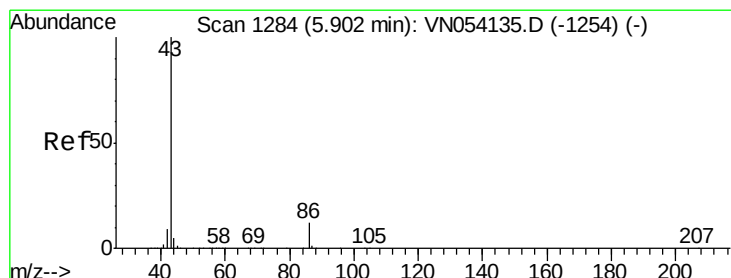
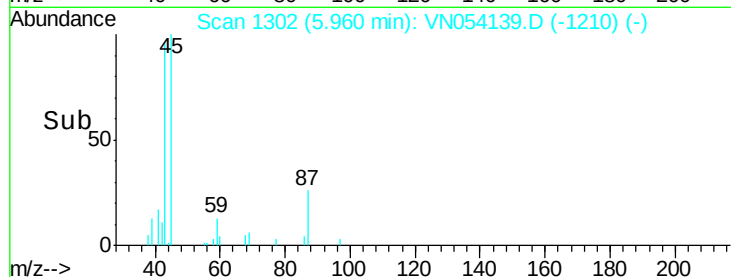
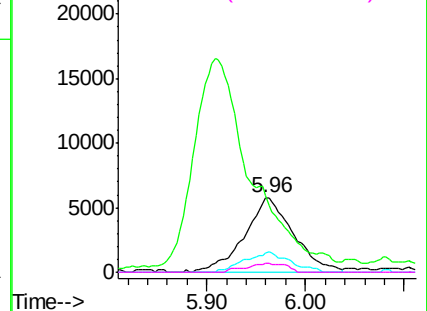


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 2.828 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VN054139.D

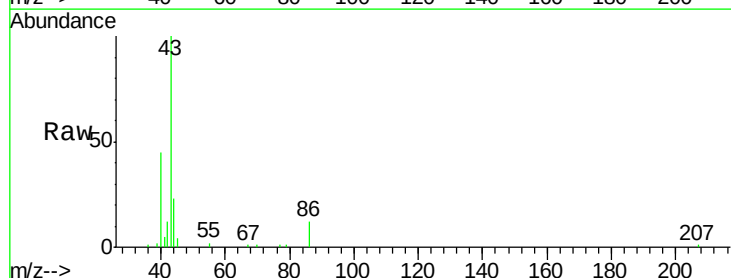
Acq: 11 Mar 2019 13:16

Tgt Ion: 43 Resp: 62645

Ion Ratio Lower Upper

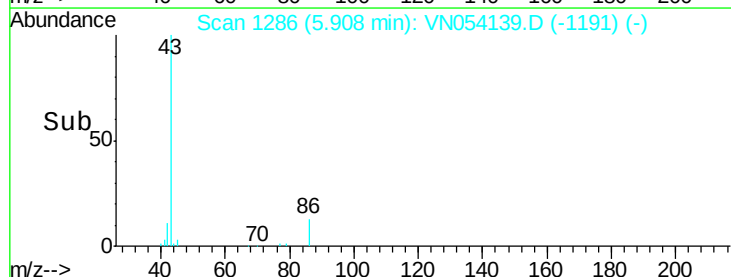
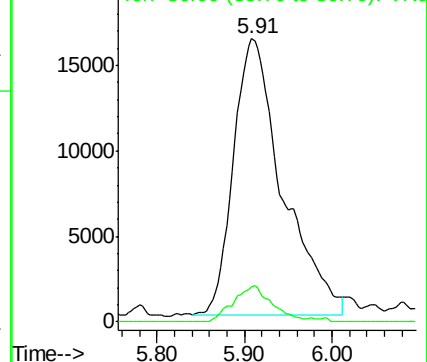
43 100

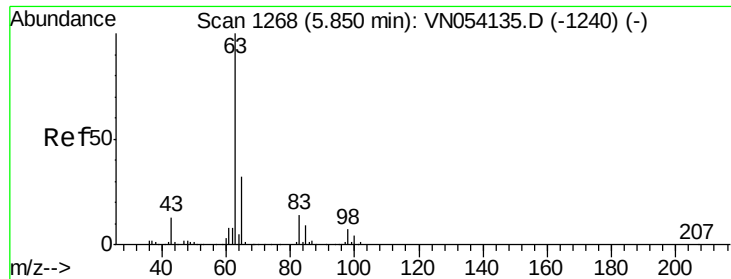
86 12.6 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

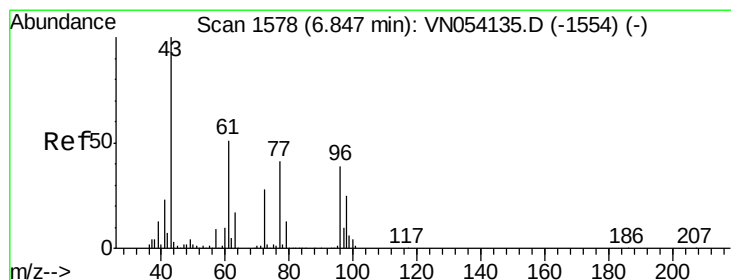
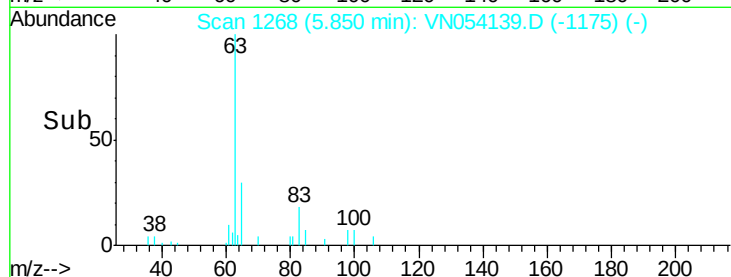
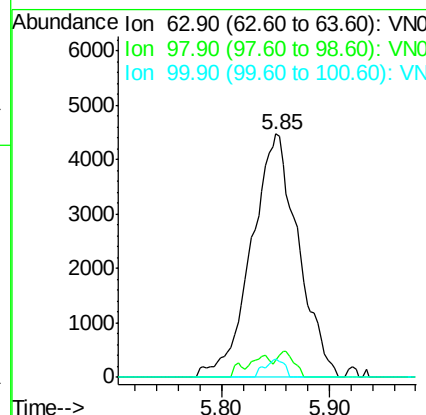
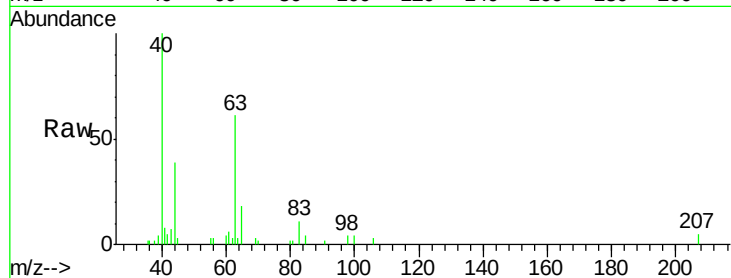




#24
 1,1-Dichloroethane
 Concen: 0.708 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

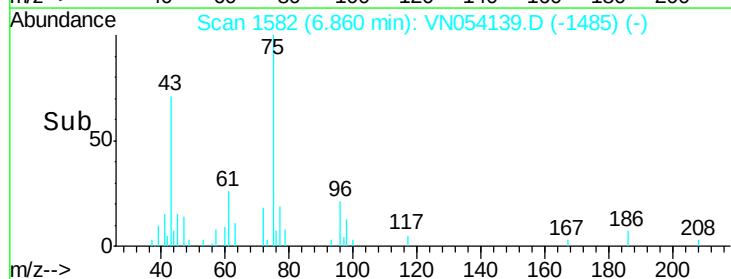
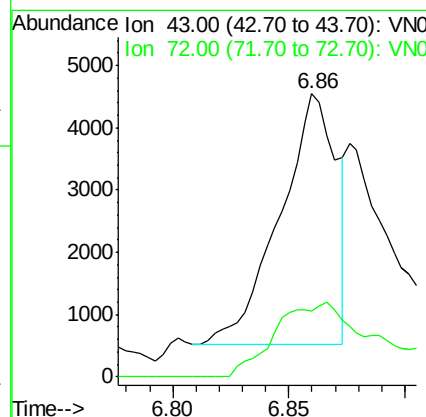
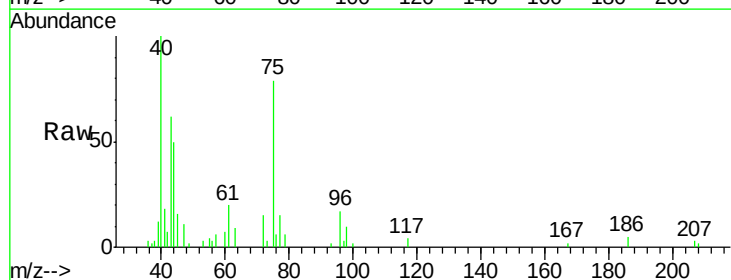
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

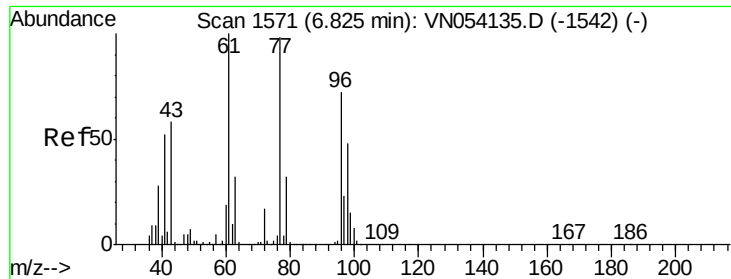
Tot Ion: 63 Resp: 13454
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.1 9.4
 100 7.3 2.0 6.0#



#25
 2-Butanone
 Concen: 1.666 ug/l
 RT: 6.86 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Tgt Ion: 43 Resp: 6872
 Ion Ratio Lower Upper
 43 100
 72 26.5 20.2 30.2

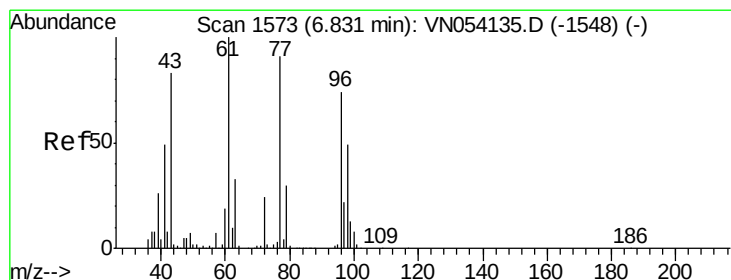
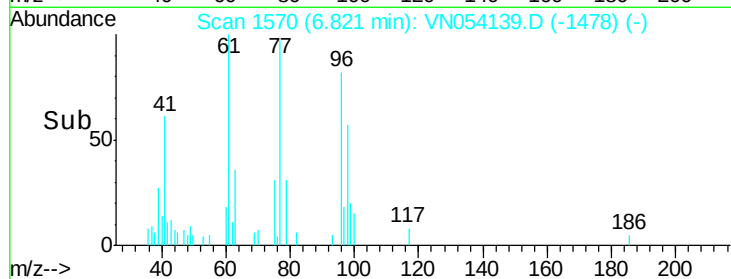
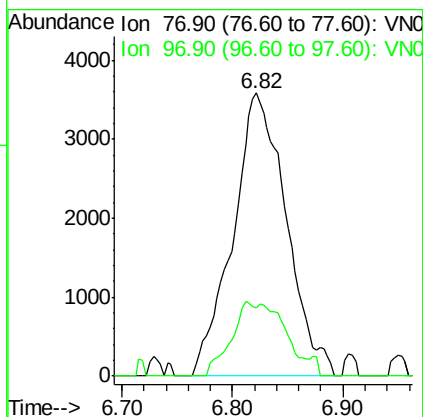
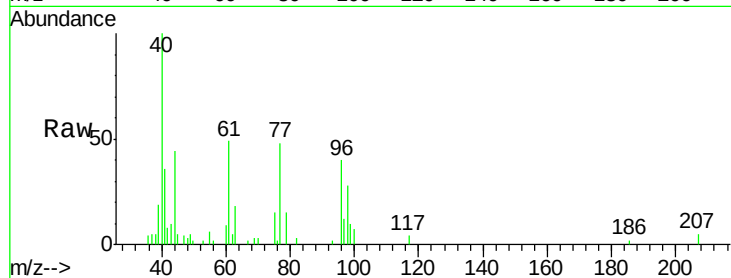




#26
 2,2-Dichloropropane
 Concen: 0.686 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

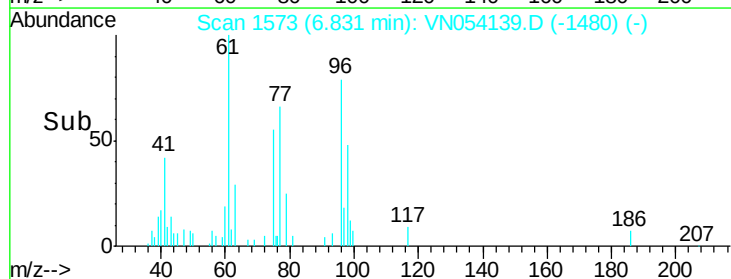
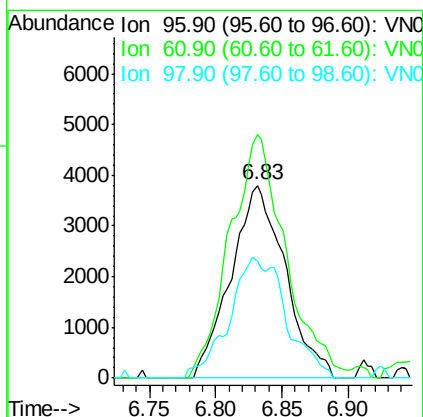
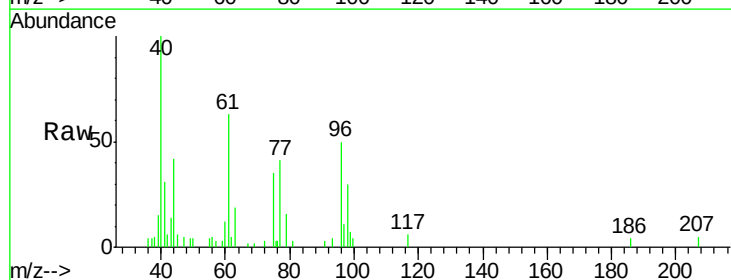
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

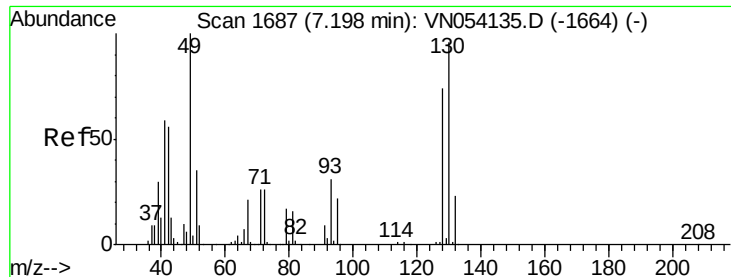
Tot Ion: 77 Resp: 12052
 Ion Ratio Lower Upper
 77 100
 97 12.4 11.8 35.3



#27
 cis-1,2-Dichloroethene
 Concen: 0.879 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Tgt Ion: 96 Resp: 10818
 Ion Ratio Lower Upper
 96 100
 61 129.9 0.0 297.0
 98 41.3 0.0 129.4





#28

Bromochloromethane

Concen: 0.775 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

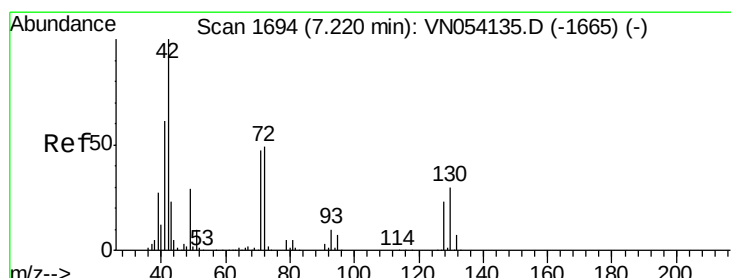
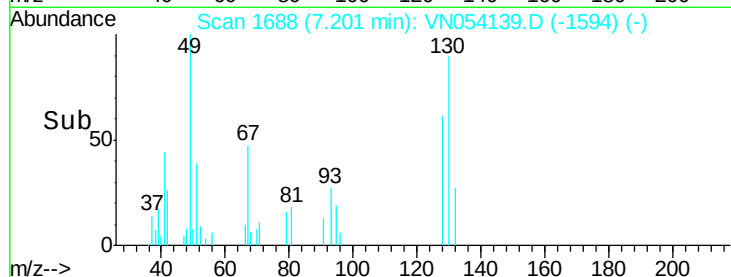
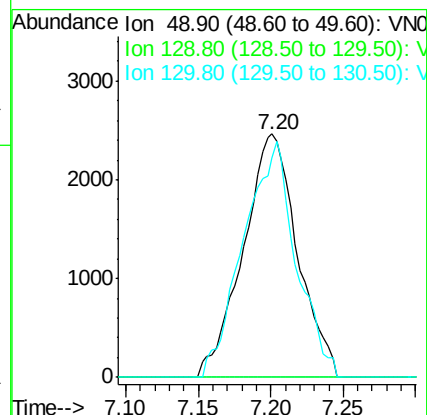
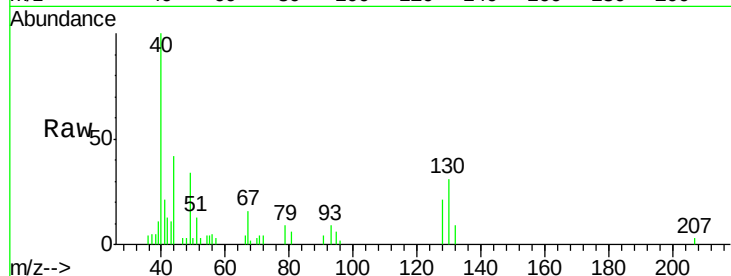
Tot Ion: 49 Resp: 6410

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 94.1 59.4 89.2#



#29

Tetrahydrofuran

Concen: 3.204 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

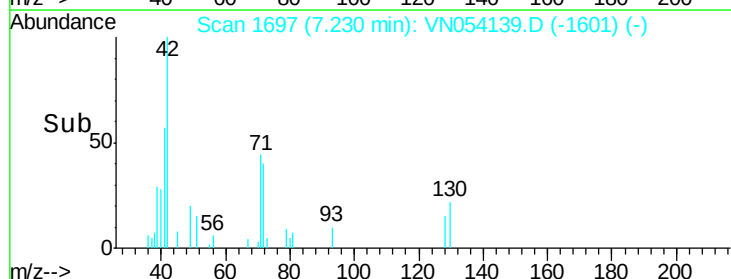
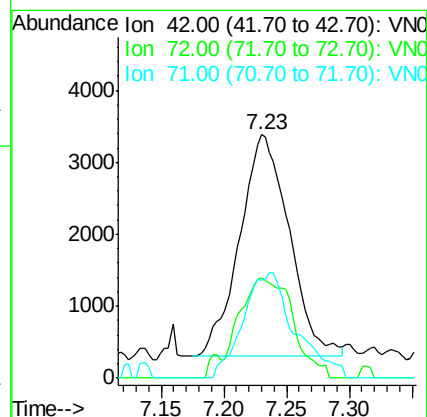
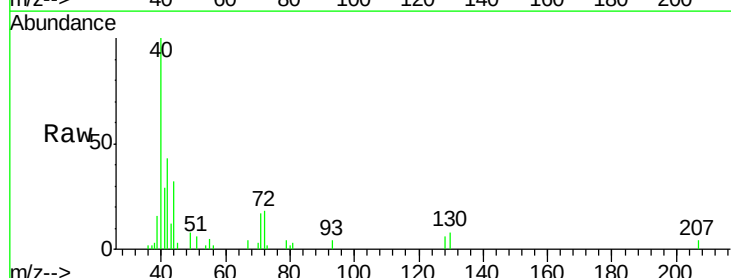
Tgt Ion: 42 Resp: 8494

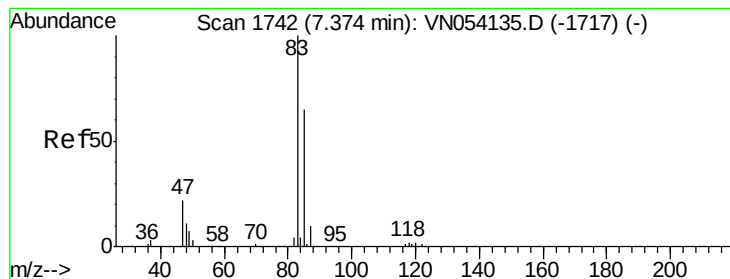
Ion Ratio Lower Upper

42 100

72 48.4 32.8 49.2

71 49.6 30.5 45.7#





#30

Chloroform

Concen: 0.694 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

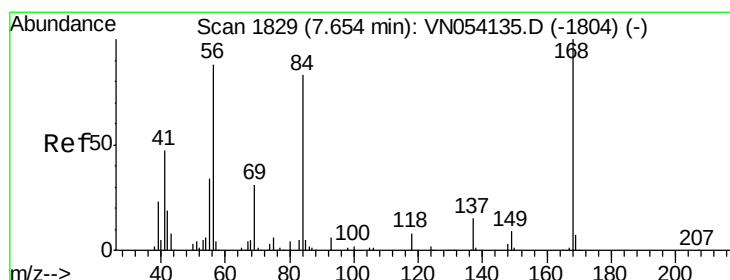
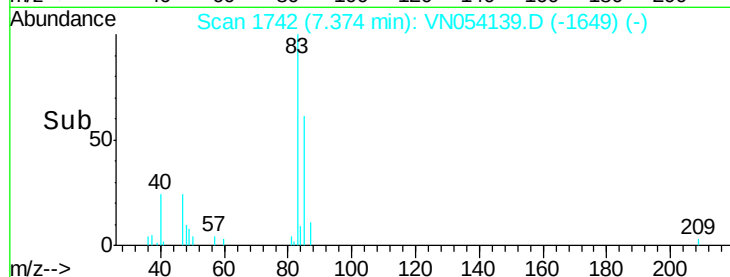
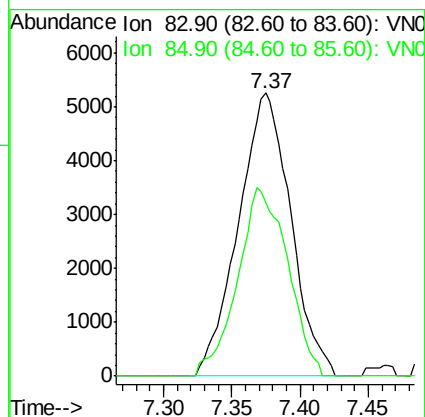
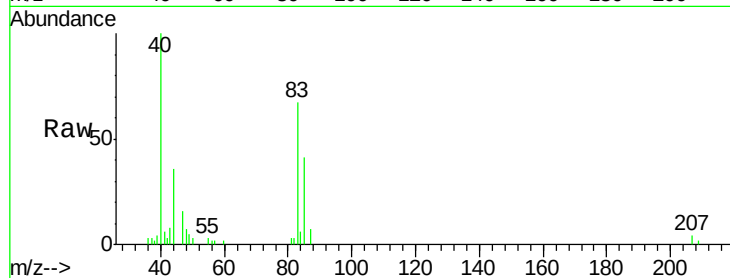
VSTDIC001

Tot Ion: 83 Resp: 13980

Ion Ratio Lower Upper

83 100

85 61.3 53.1 79.7



#31

Cyclohexane

Concen: 0.670 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

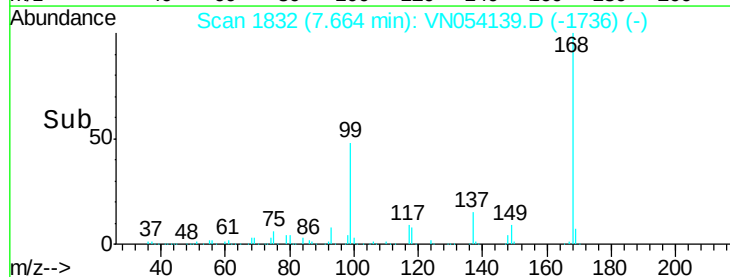
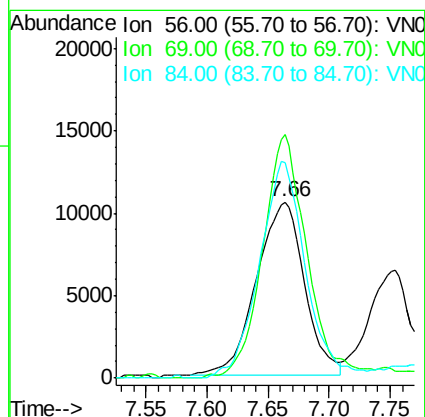
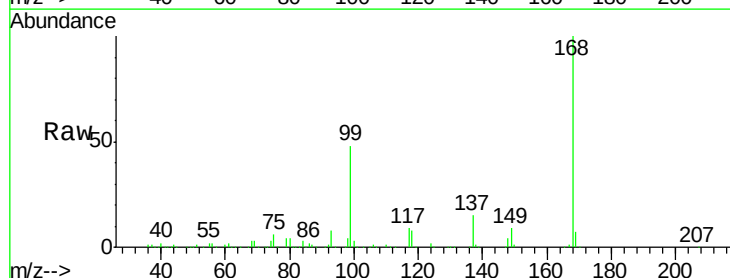
Tgt Ion: 56 Resp: 28976

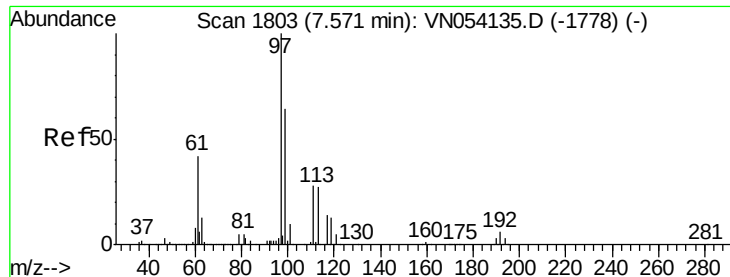
Ion Ratio Lower Upper

56 100

69 140.3 25.5 38.3#

84 123.8 64.5 96.7#





#32

1,1,1-Trichloroethane

Concen: 0.608 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

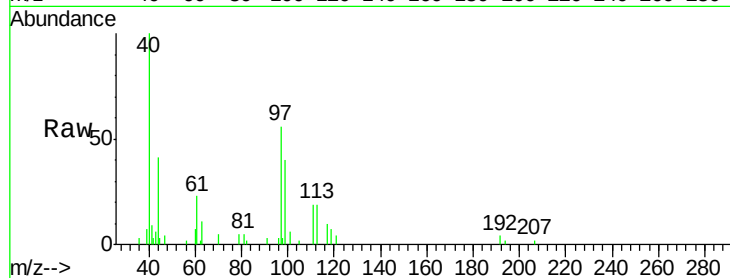
Tot Ion: 97 Resp: 11079

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

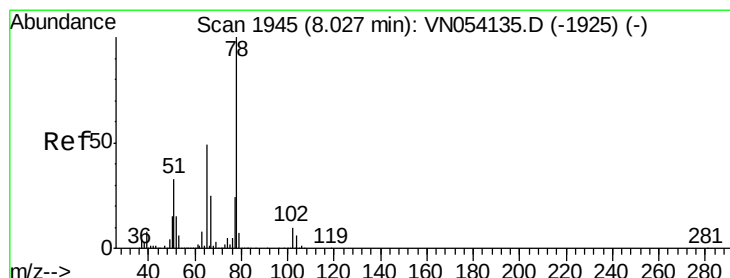
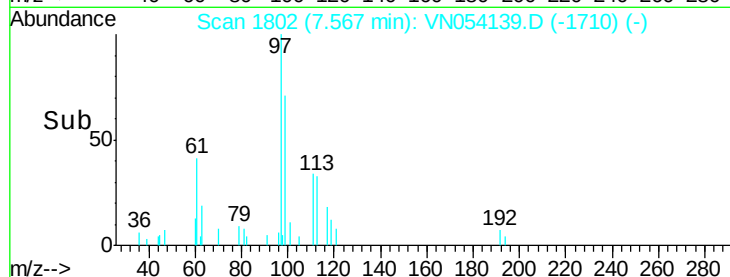
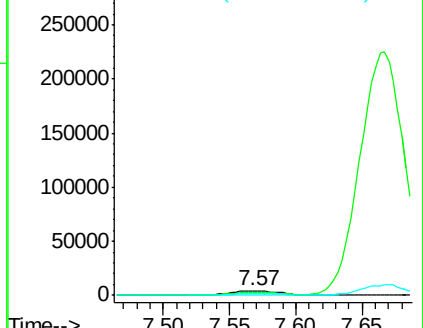
61 45.4 37.1 55.7



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 1.175 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054139.D

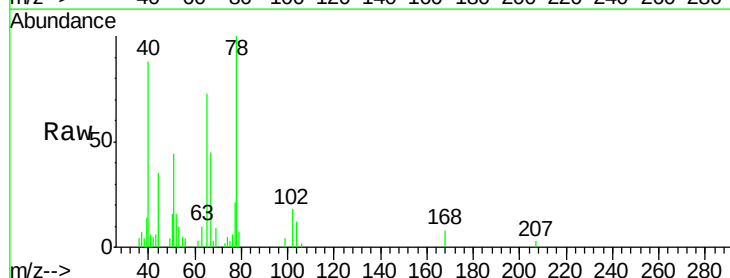
Acq: 11 Mar 2019 13:16

Tgt Ion: 65 Resp: 14531

Ion Ratio Lower Upper

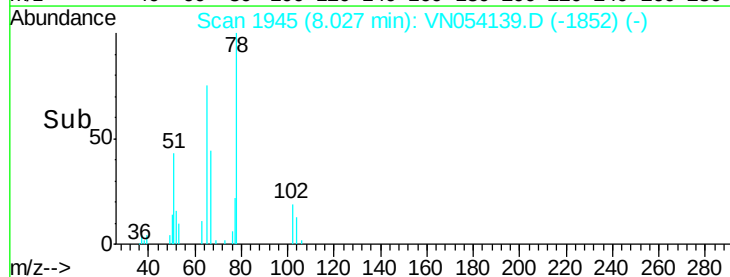
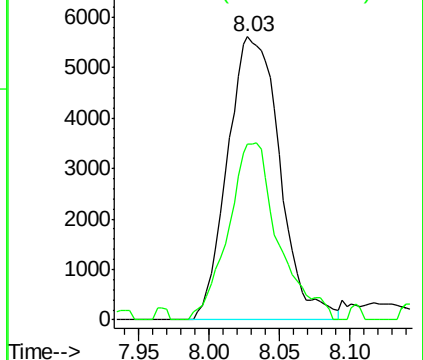
65 100

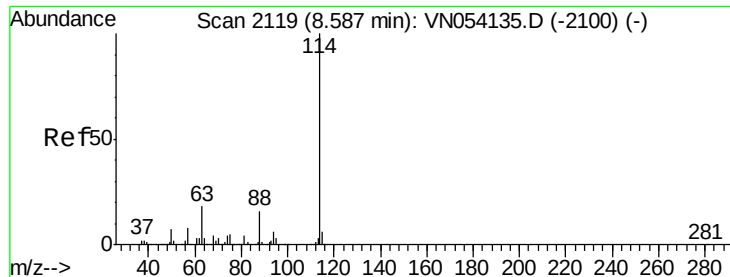
67 59.8 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

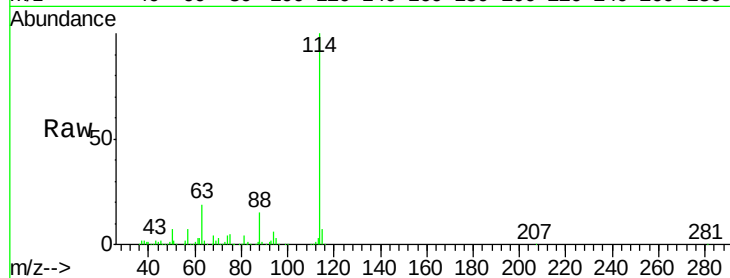




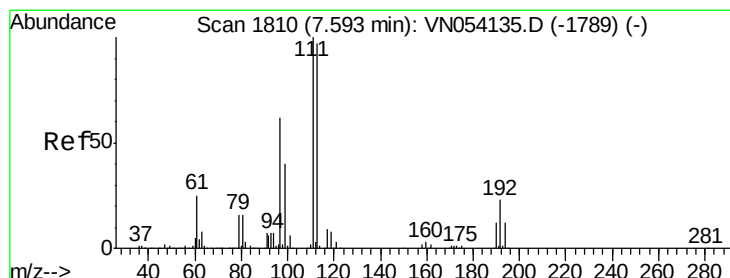
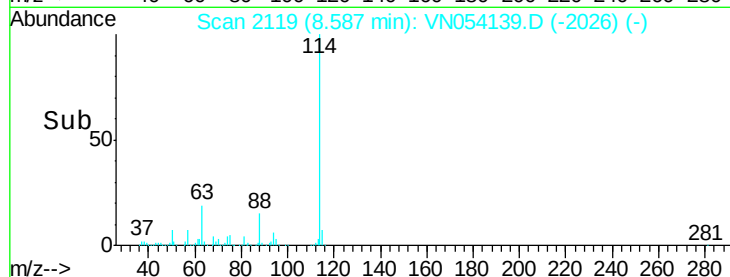
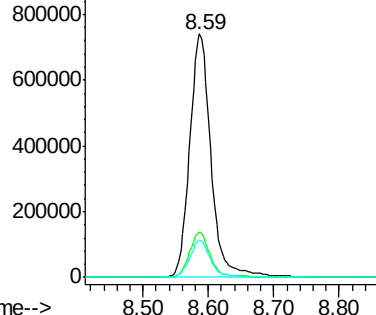
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:114 Resp: 1683226
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 15.5 0.0 31.8

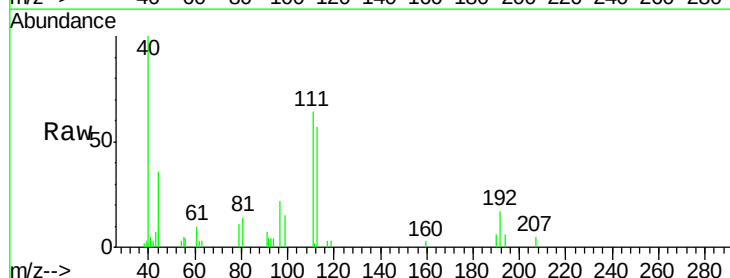


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

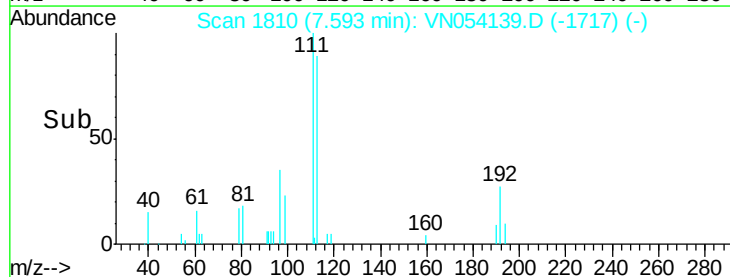
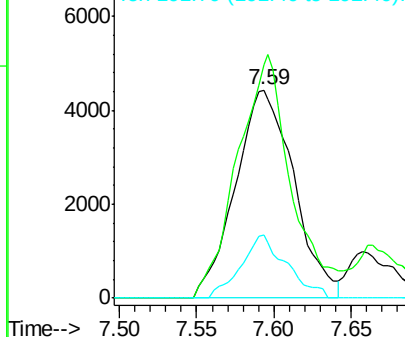


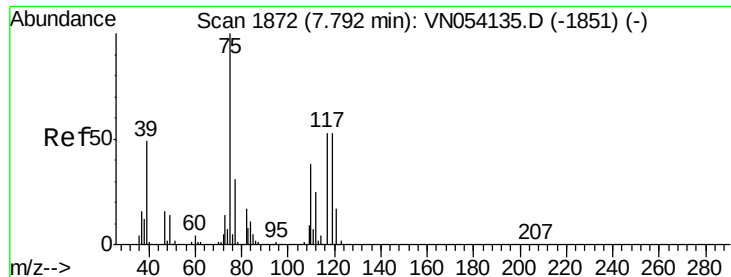
#35
Dibromofluoromethane
Concen: 1.071 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion:113 Resp: 11632
Ion Ratio Lower Upper
113 100
111 107.9 82.1 123.1
192 23.7 17.4 26.0



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

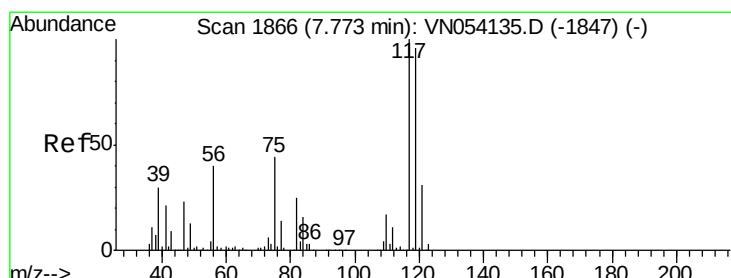
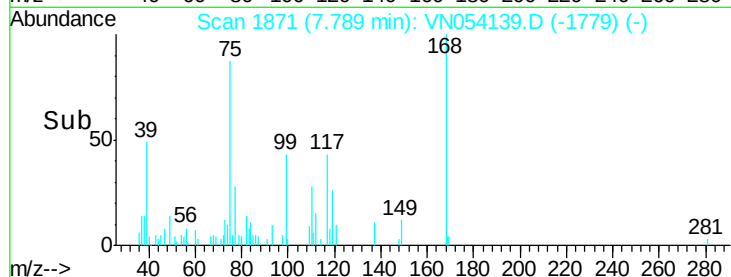
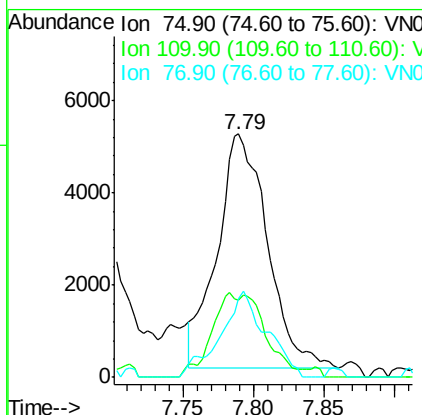
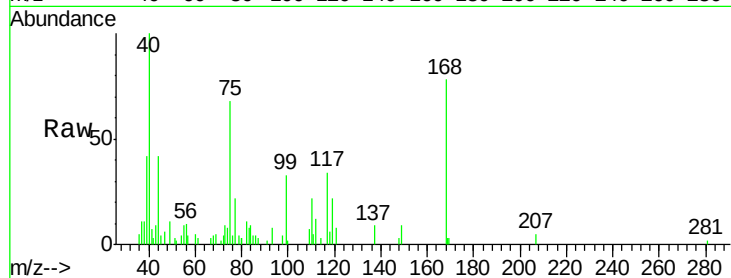




#36
 1,1-Dichloropropene
 Concen: 0.865 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

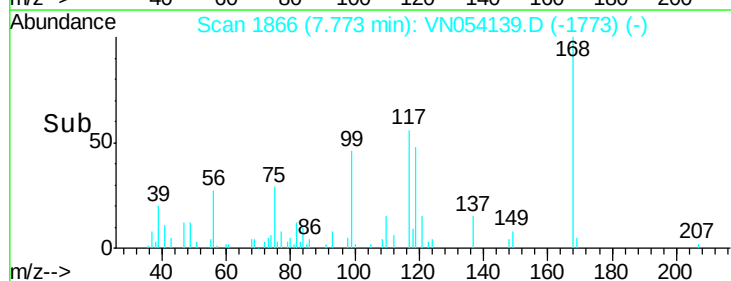
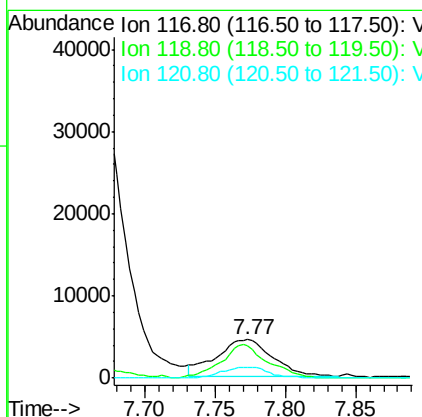
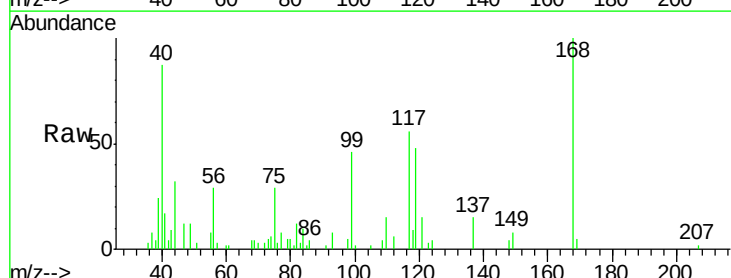
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

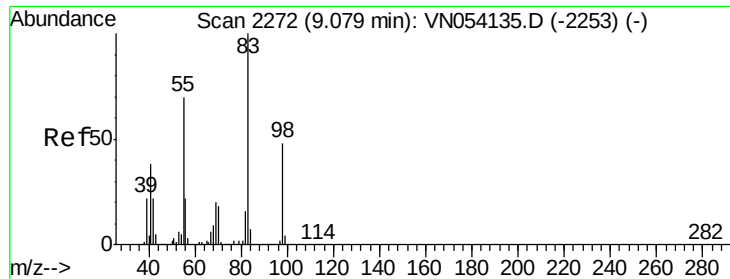
Tot Ion: 75 Resp: 12670
 Ion Ratio Lower Upper
 75 100
 110 19.5 18.0 54.0
 77 33.3 25.3 37.9



#38
 Carbon Tetrachloride
 Concen: 0.772 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Tgt Ion: 117 Resp: 12544
 Ion Ratio Lower Upper
 117 100
 119 91.0 77.0 115.6
 121 28.5 24.3 36.5

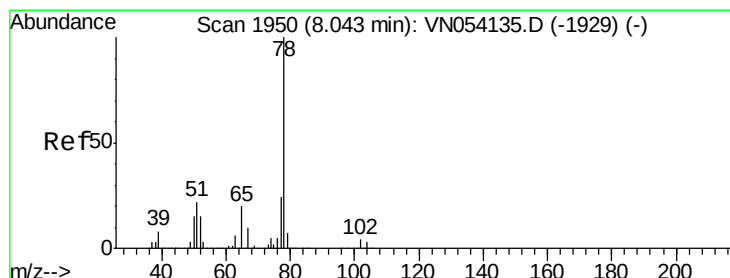
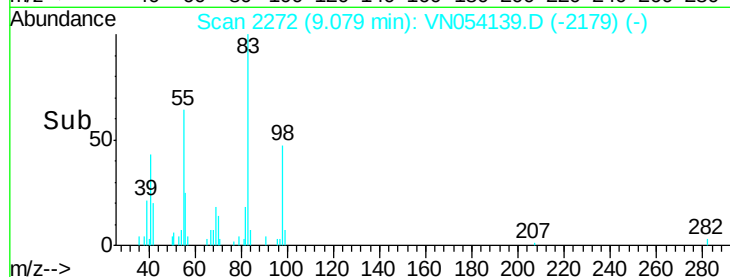
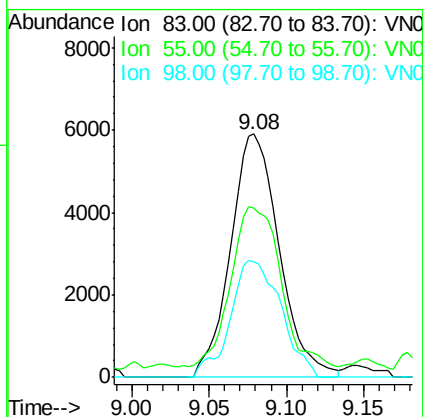
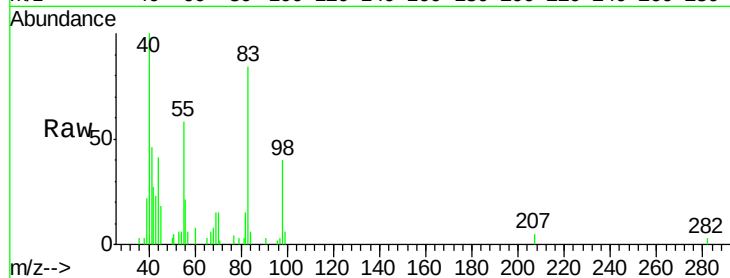




#39
Methylvlcyclohexane
Concen: 0.717 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

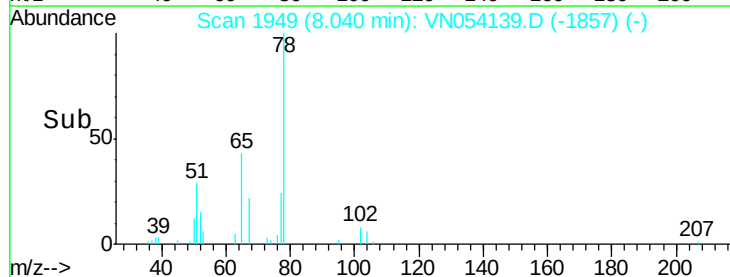
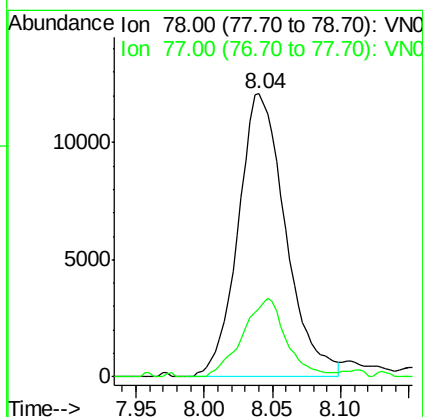
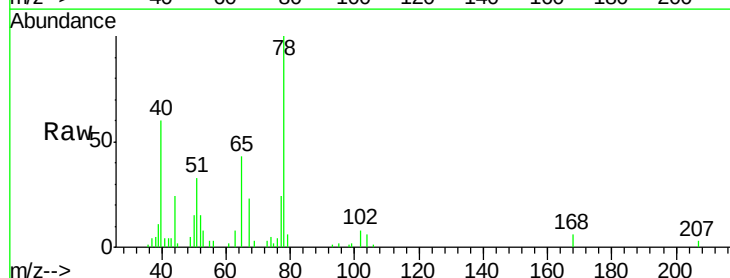
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

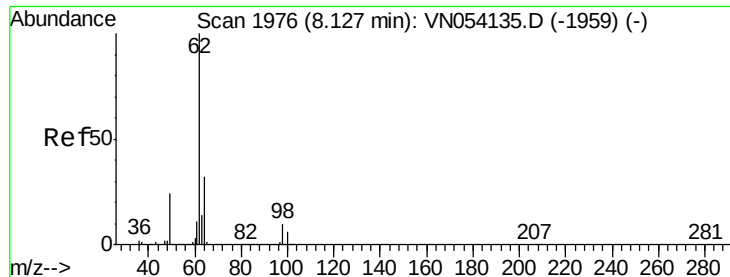
Tot Ion: 83 Resp: 12926
Ion Ratio Lower Upper
83 100
55 64.8 62.1 93.1
98 47.4 36.0 54.0



#40
Benzene
Concen: 0.694 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 78 Resp: 29211
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1





#42

1,2-Dichloroethane

Concen: 0.696 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

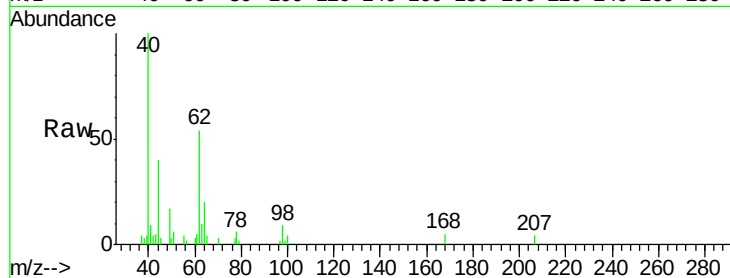
VSTDIC001

Tot Ion: 62 Resp: 10106

Ion Ratio Lower Upper

62 100

98 11.3 0.0 18.6

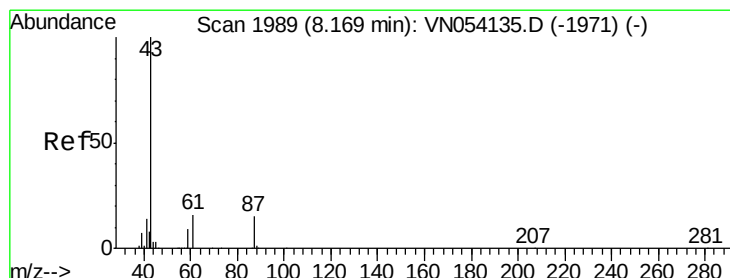
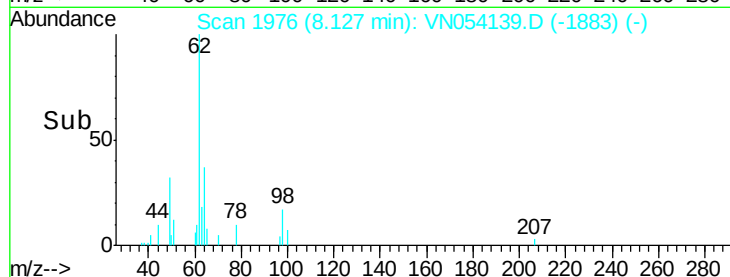


Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.13

Time-->



#43

Isopropyl Acetate

Concen: 0.569 ug/l

RT: 8.18 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

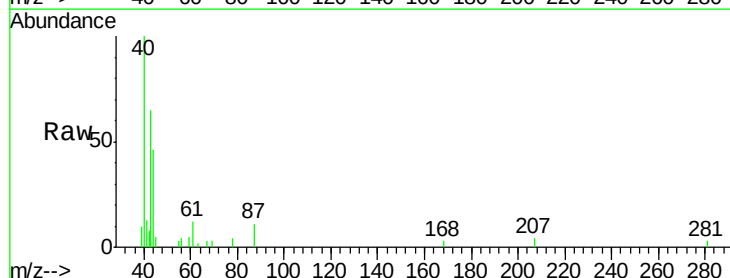
Tgt Ion: 43 Resp: 8990

Ion Ratio Lower Upper

43 100

61 24.8 22.5 33.7

87 14.0 10.1 15.1



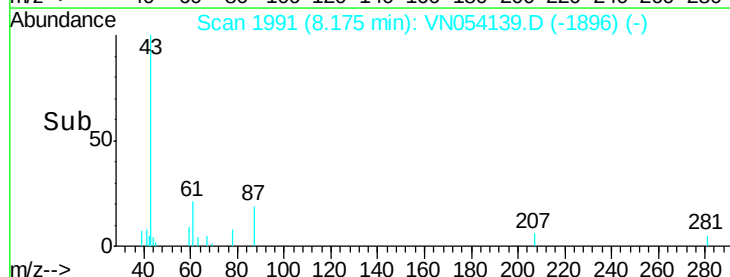
Abundance Ion 43.00 (42.70 to 43.70): VN0

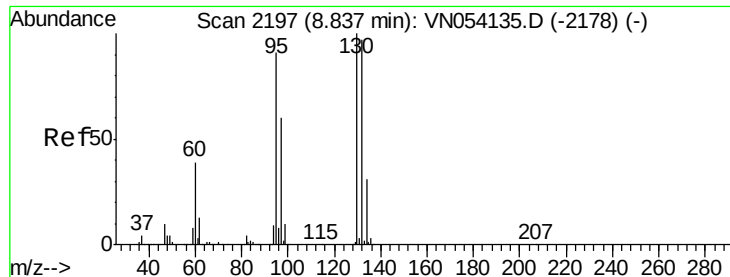
Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

8.18

Time-->





#44

Trichloroethene

Concen: 0.814 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

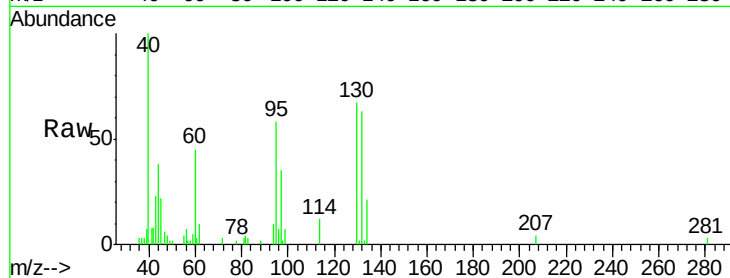
VSTDIC001

Tot Ion:130 Resp: 10576

Ion Ratio Lower Upper

130 100

95 82.7 0.0 189.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

6000

5000

4000

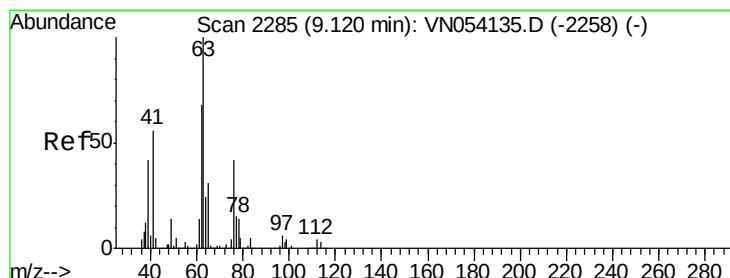
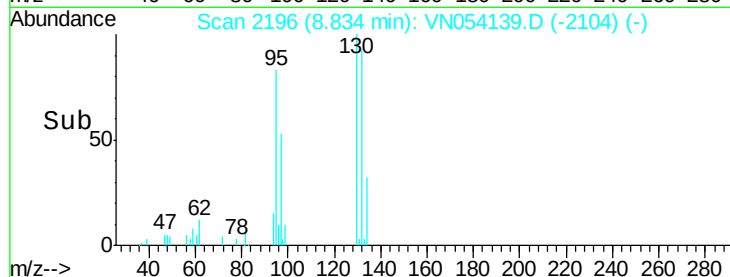
3000

2000

1000

0

Time--> 8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 0.651 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054139.D

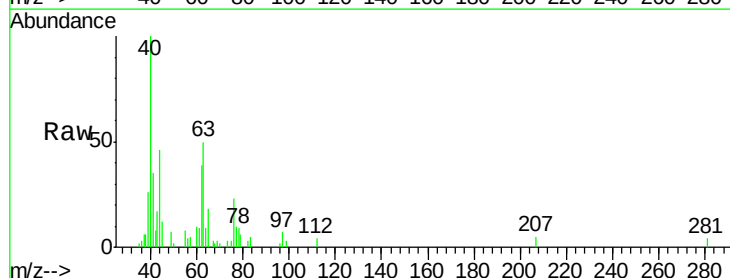
Acq: 11 Mar 2019 13:16

Tgt Ion: 63 Resp: 7007

Ion Ratio Lower Upper

63 100

65 36.4 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

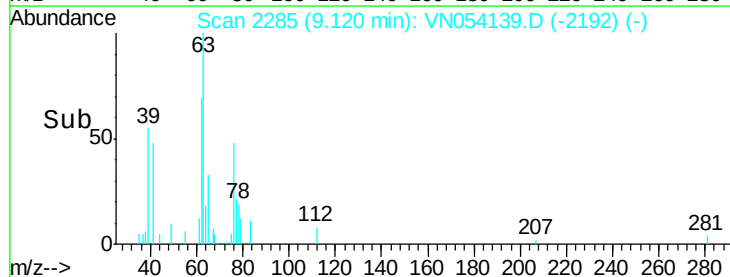
3000

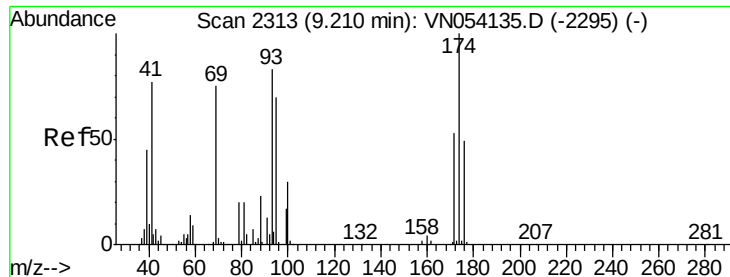
2000

1000

0

Time--> 9.05 9.10 9.15 9.20





#46

Dibromomethane

Concen: 0.754 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

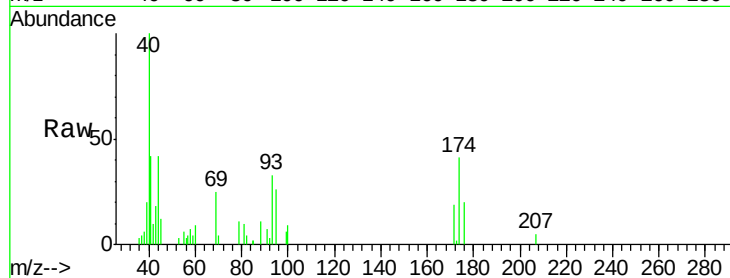
Tot Ion: 93 Resp: 5499

Ion Ratio Lower Upper

93 100

95 88.7 66.1 99.1

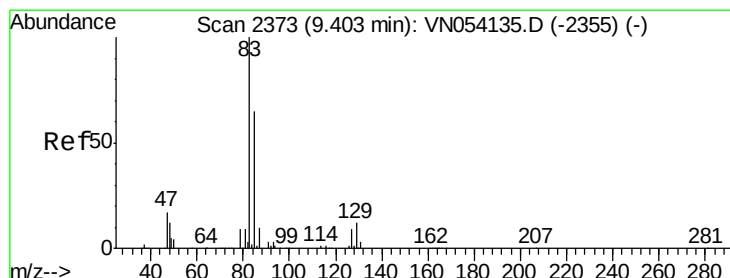
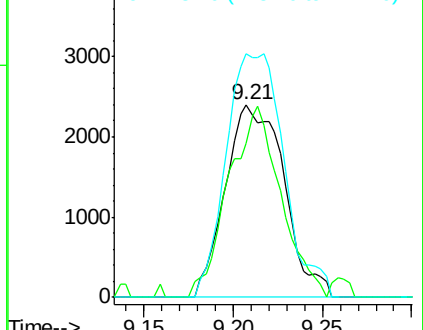
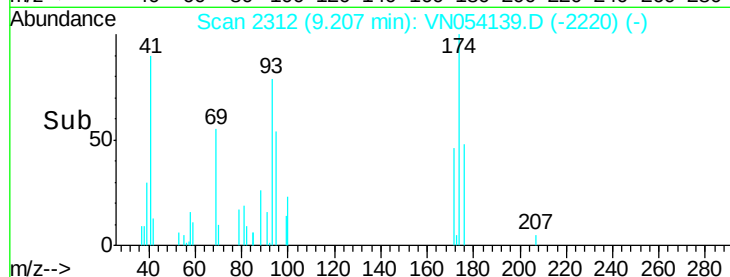
174 125.1 86.1 129.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 0.655 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

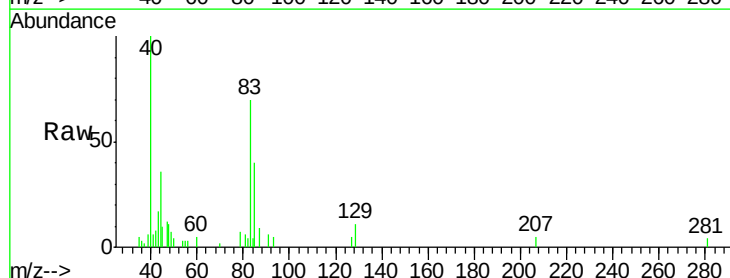
Tgt Ion: 83 Resp: 9910

Ion Ratio Lower Upper

83 100

85 57.8 51.0 76.4

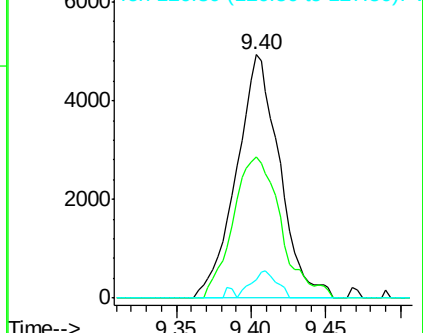
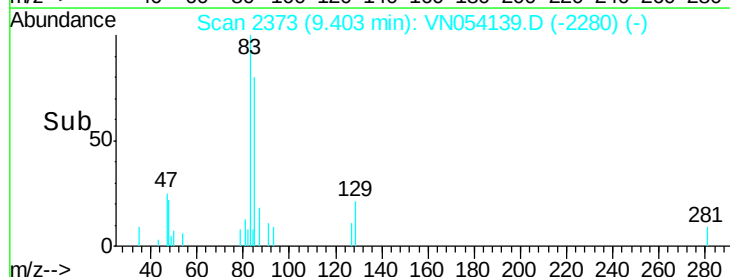
127 7.7 6.5 9.7

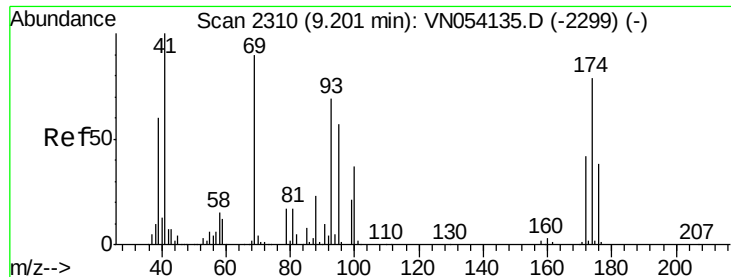


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

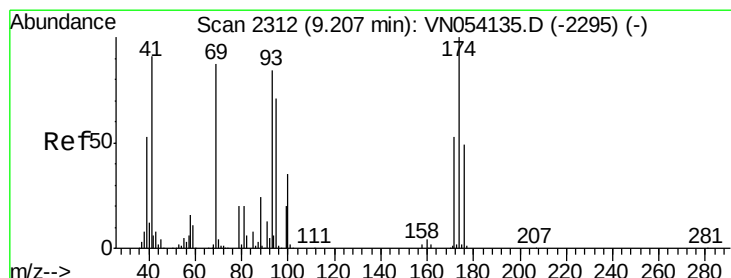
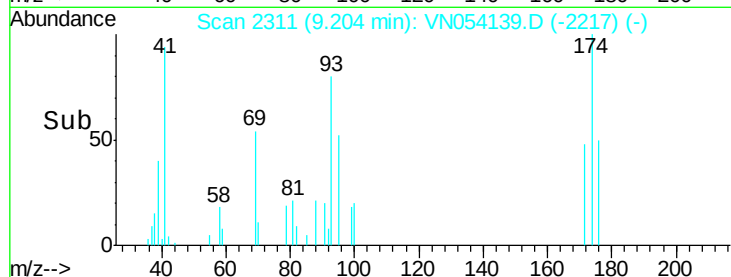
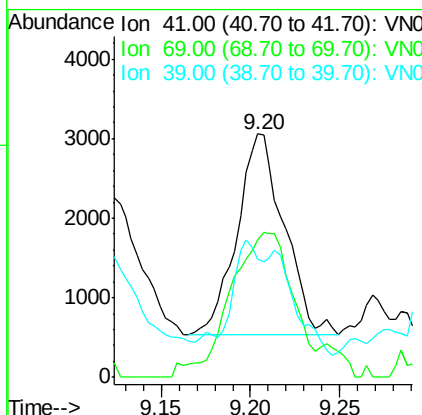
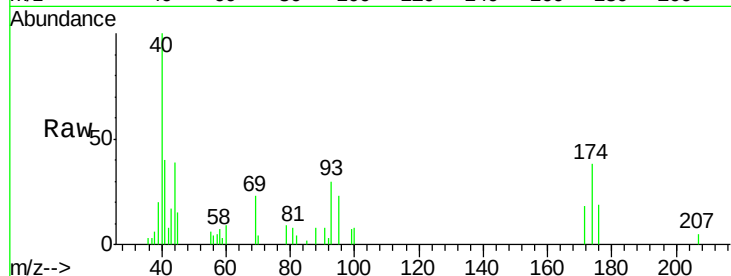




#48
Methvl methacrylate
Concen: 0.552 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

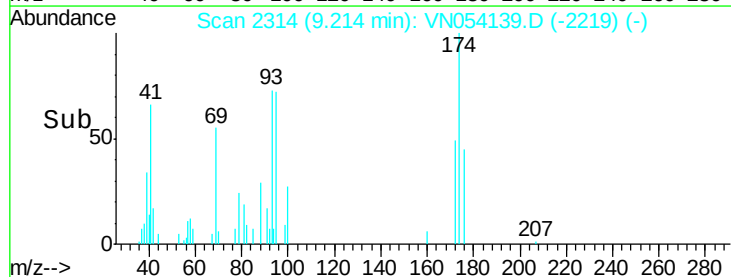
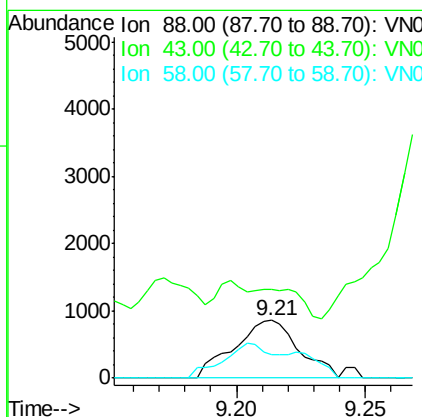
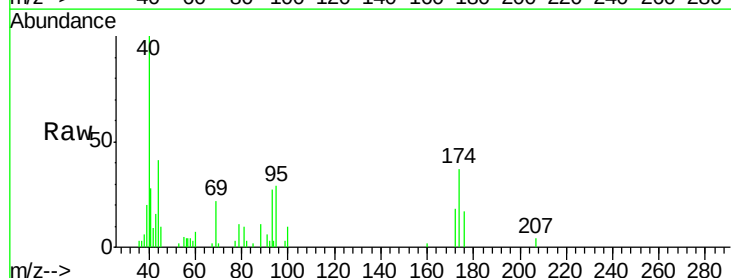
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

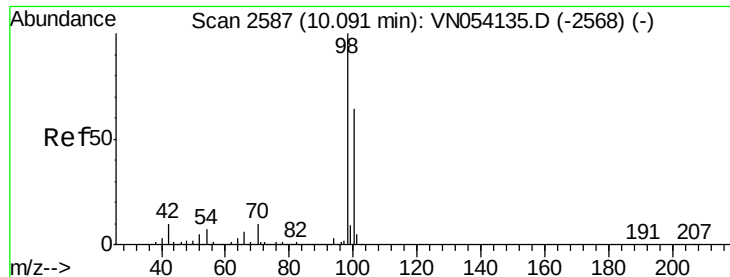
Tot Ion: 41 Resp: 4683
Ion Ratio Lower Upper
41 100
69 94.8 71.0 106.4
39 26.6 43.7 65.5#



#49
1,4-Dioxane
Concen: 13.700 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 88 Resp: 1509
Ion Ratio Lower Upper
88 100
43 15.7 25.5 38.3#
58 45.5 58.3 87.5#





#50

Toluene-d8

Concen: 1.132 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

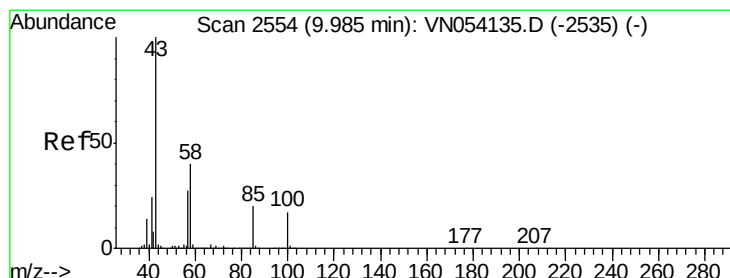
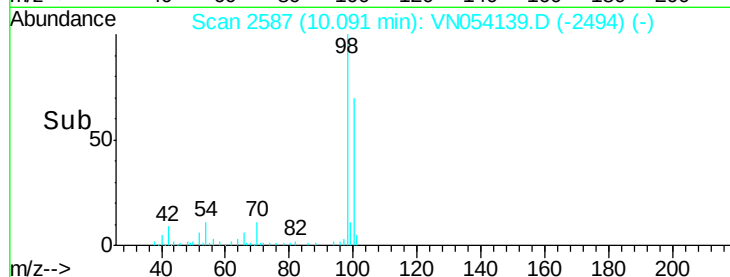
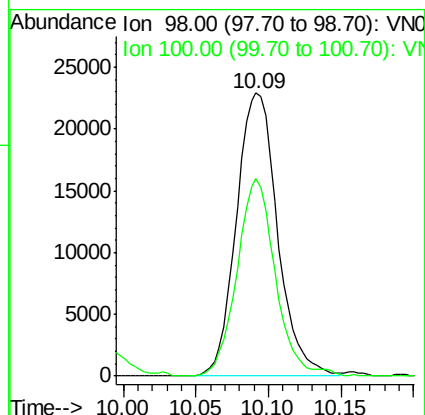
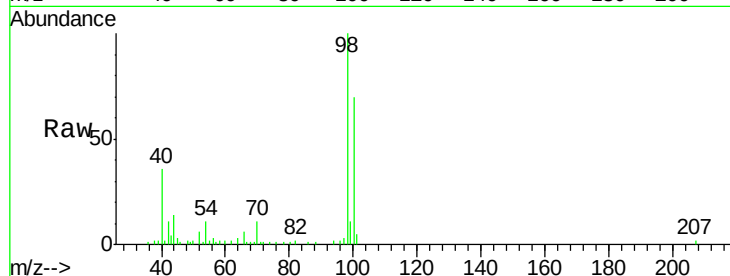
VSTDIC001

Tot Ion: 98 Resp: 45305

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 2.852 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN054139.D

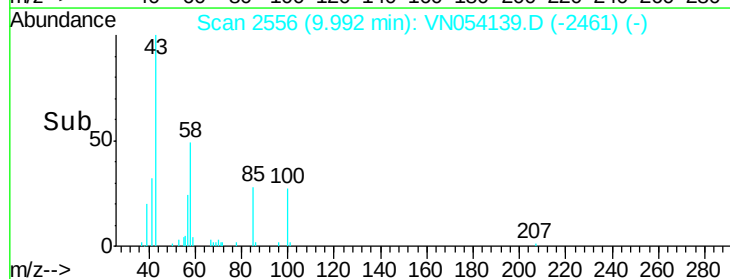
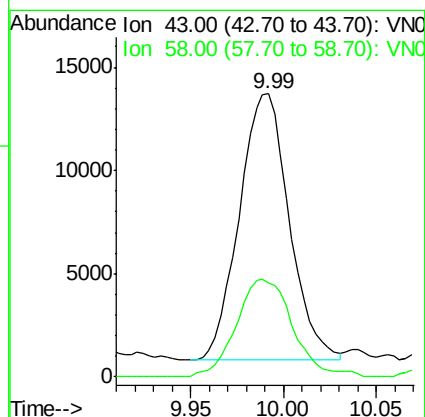
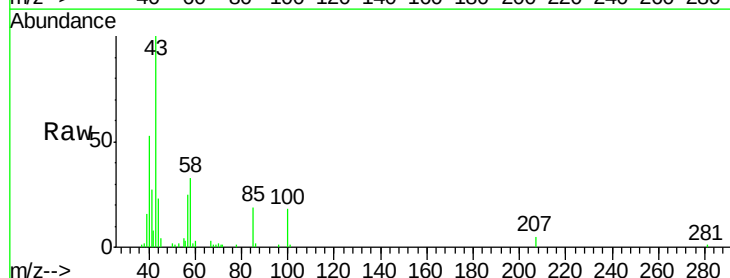
Acq: 11 Mar 2019 13:16

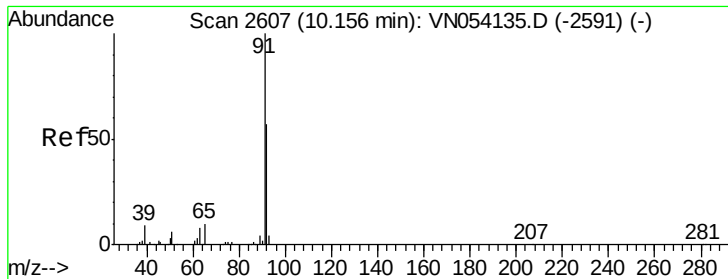
Tgt Ion: 43 Resp: 24158

Ion Ratio Lower Upper

43 100

58 41.4 30.8 46.2





#52

Toluene

Concen: 0.689 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

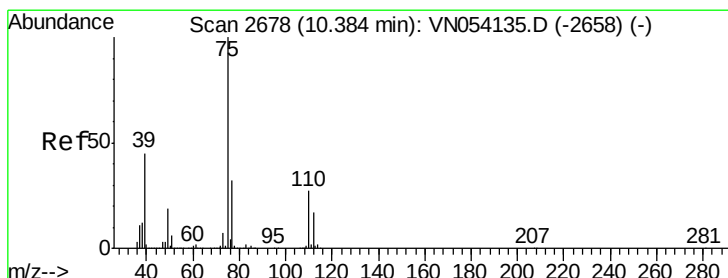
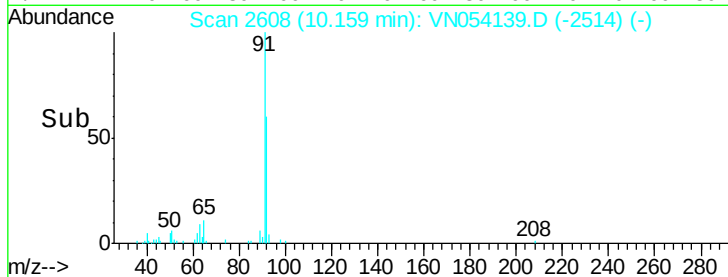
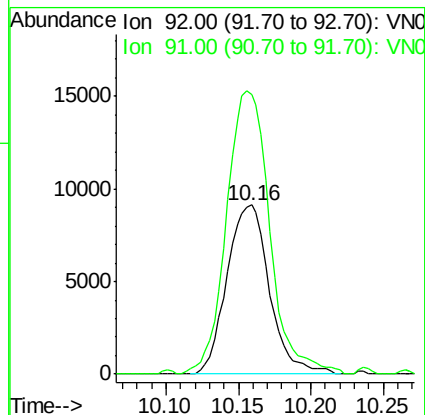
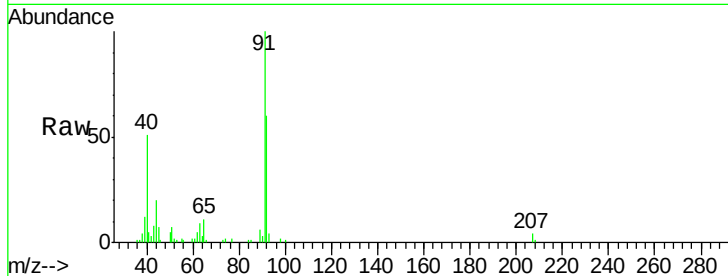
VSTDIC001

Tot Ion: 92 Resp: 18566

Ion Ratio Lower Upper

92 100

91 171.0 139.0 208.6



#53

t-1,3-Dichloropropene

Concen: 0.743 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054139.D

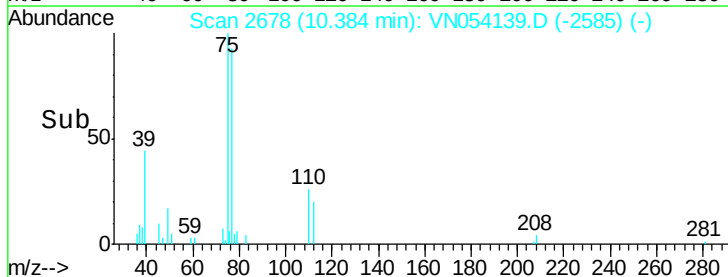
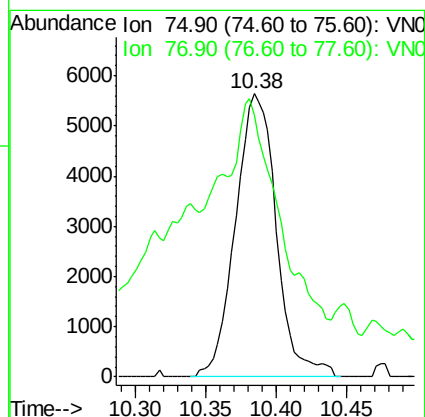
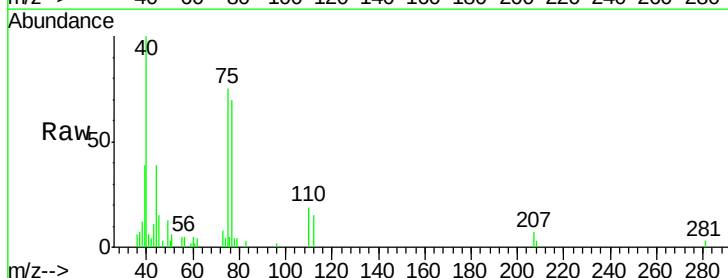
Acq: 11 Mar 2019 13:16

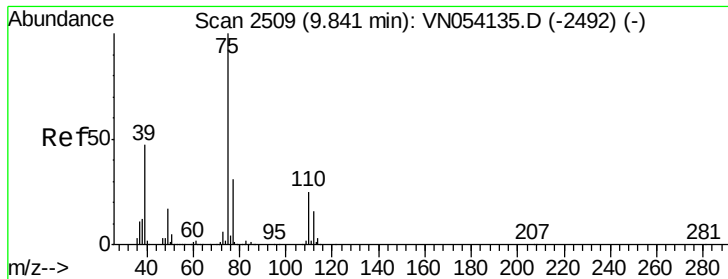
Tgt Ion: 75 Resp: 11440

Ion Ratio Lower Upper

75 100

77 67.4 24.9 37.3#





#54

cis-1,3-Dichloropropene

Concen: 0.686 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

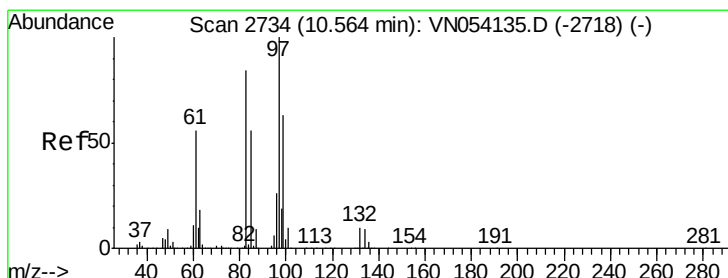
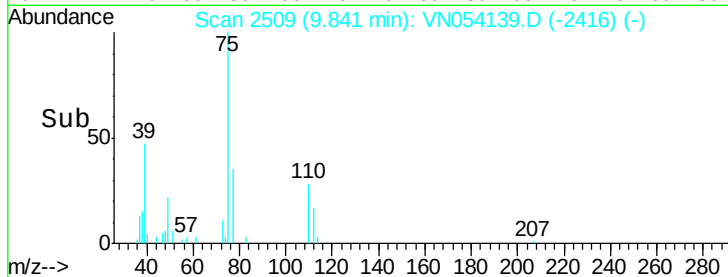
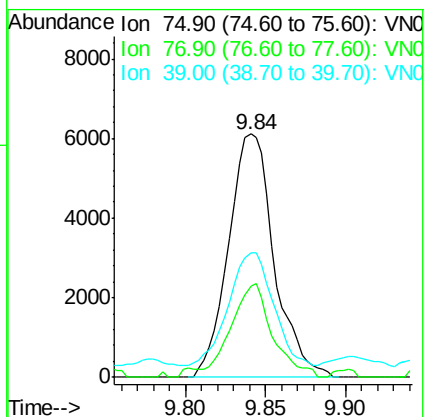
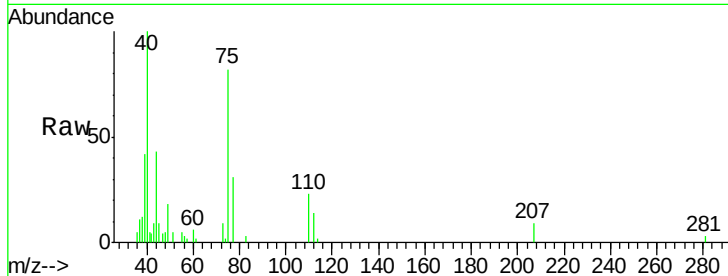
Tot Ion: 75 Resp: 11870

Ion Ratio Lower Upper

75 100

77 34.7 25.4 38.0

39 45.8 36.2 54.2



#55

1,1,2-Trichloroethane

Concen: 0.703 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Tgt Ion: 97 Resp: 7147

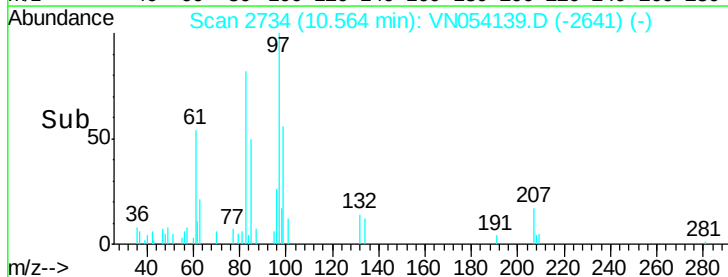
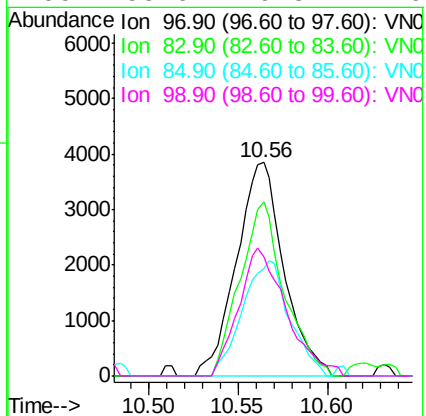
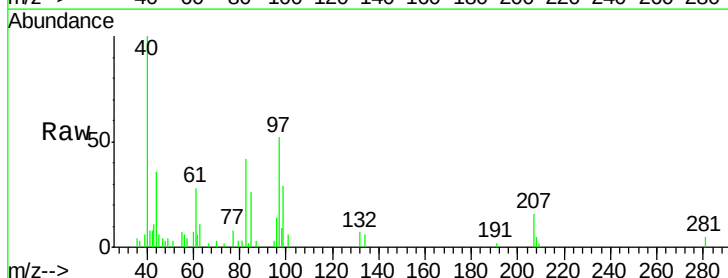
Ion Ratio Lower Upper

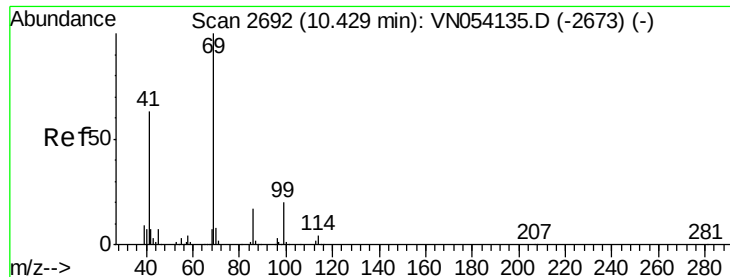
97 100

83 81.6 69.8 104.6

85 50.1 45.0 67.4

99 55.6 49.8 74.6





#56

Ethyl methacrylate

Concen: 0.620 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

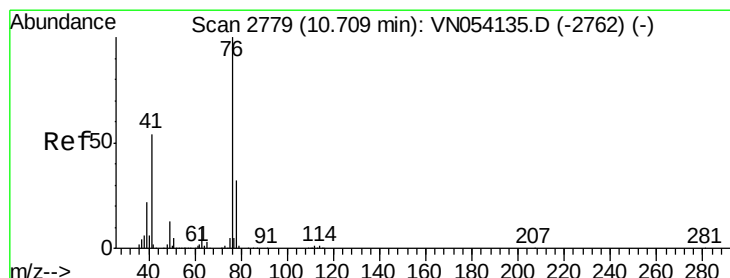
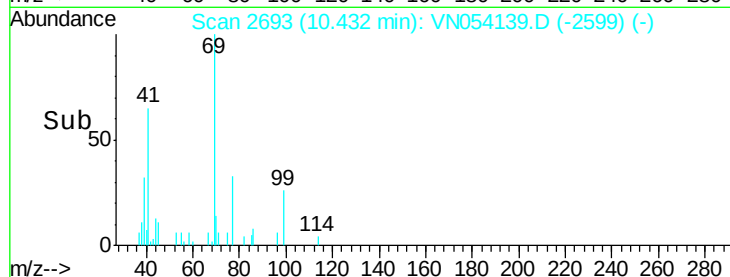
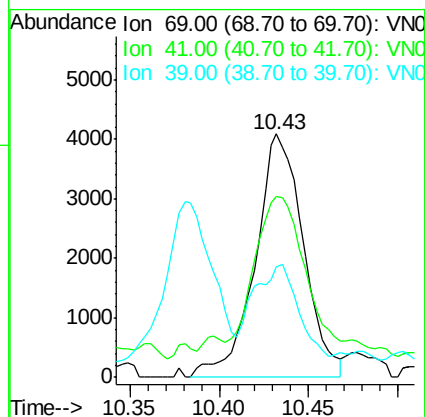
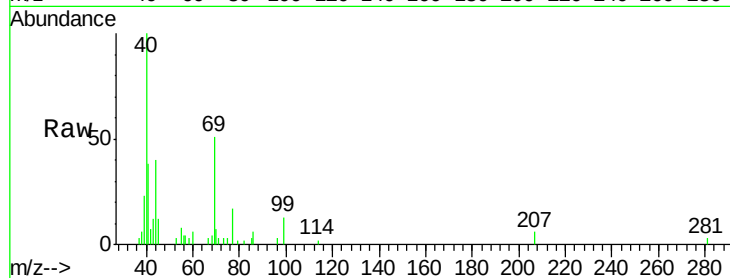
Tot Ion: 69 Resp: 7708

Ion Ratio Lower Upper

69 100

41 74.1 53.4 80.2

39 34.2 25.6 38.4



#57

1,3-Dichloropropane

Concen: 0.587 ug/l

RT: 10.71 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN054139.D

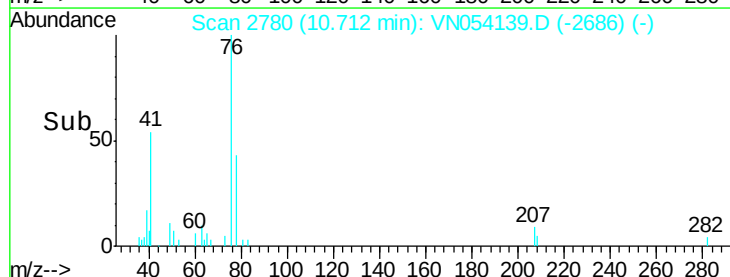
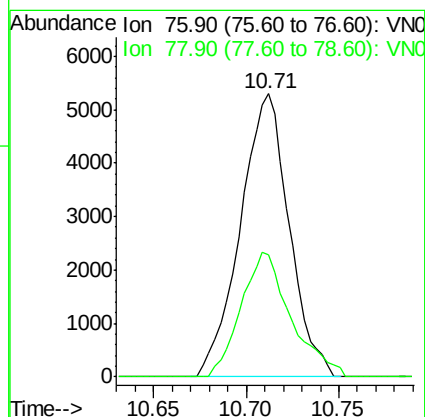
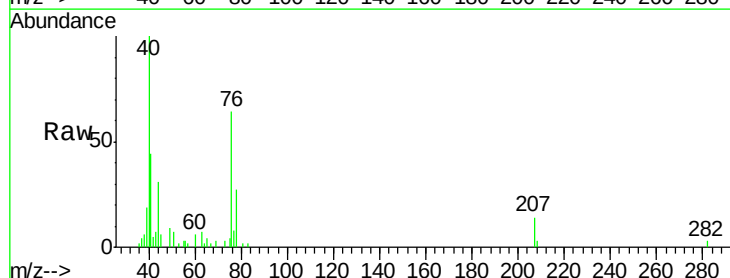
Acq: 11 Mar 2019 13:16

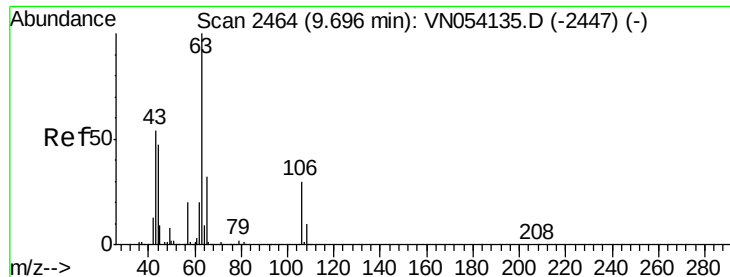
Tgt Ion: 76 Resp: 9662

Ion Ratio Lower Upper

76 100

78 45.1 25.9 38.9#





#58

2-Chloroethyl Vinyl ether

Concen: 4.259 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

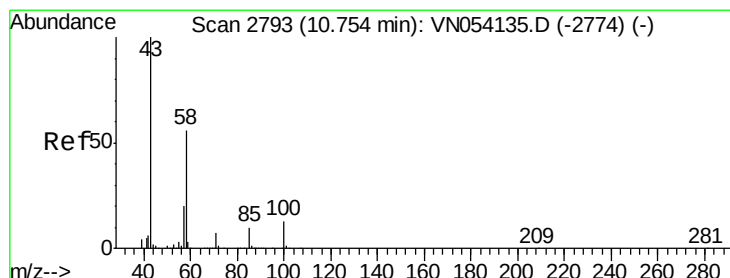
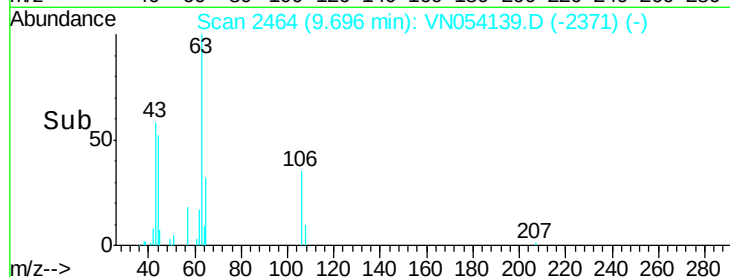
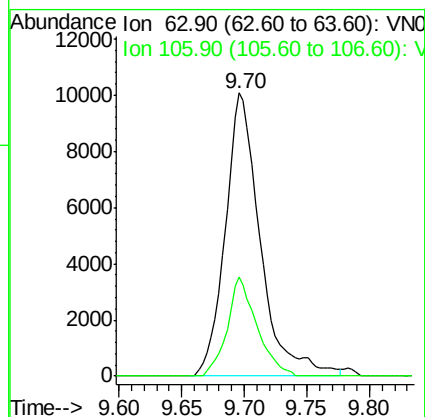
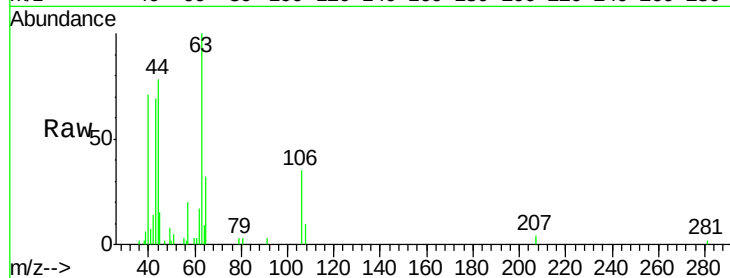
VSTDIC001

Tot Ion: 63 Resp: 19557

Ion Ratio Lower Upper

63 100

106 29.6 20.2 30.2



#59

2-Hexanone

Concen: 3.703 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054139.D

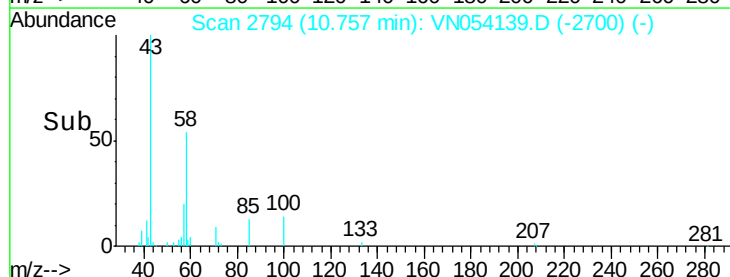
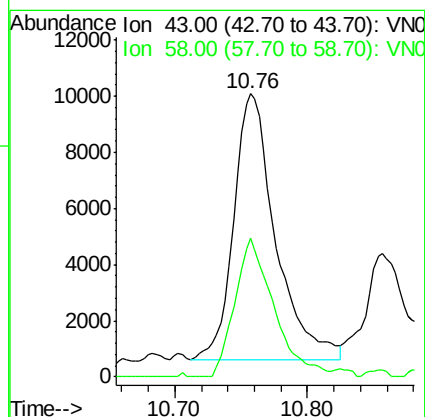
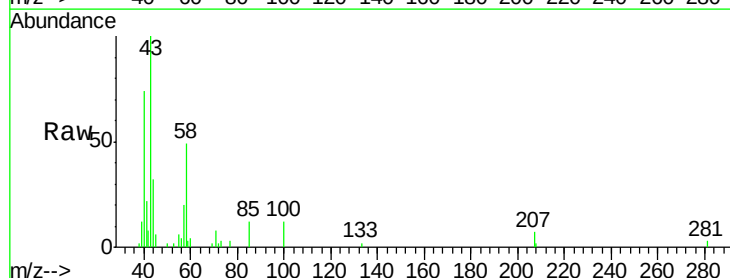
Acq: 11 Mar 2019 13:16

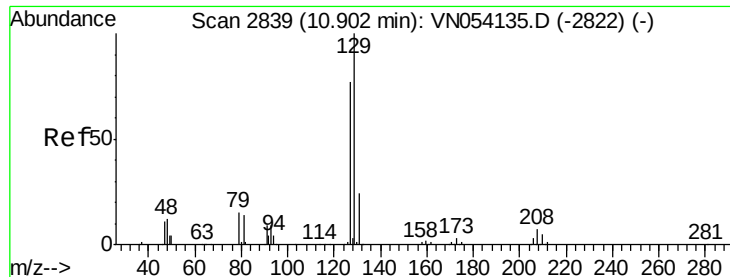
Tgt Ion: 43 Resp: 20818

Ion Ratio Lower Upper

43 100

58 48.3 27.0 81.0

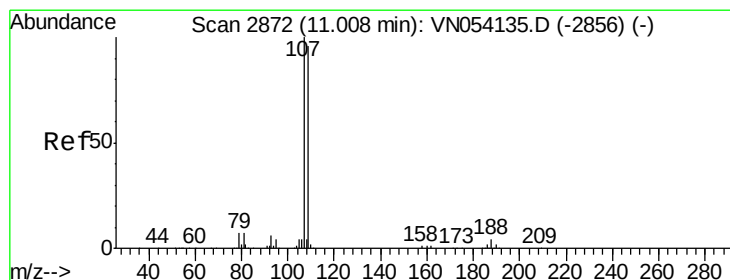
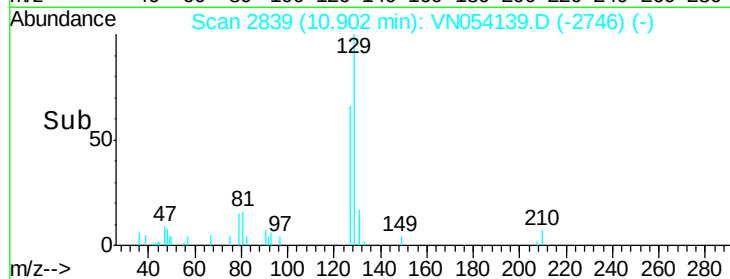
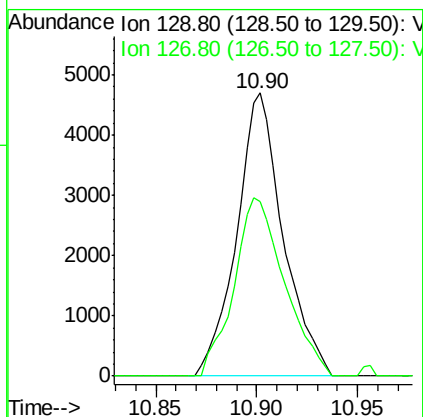
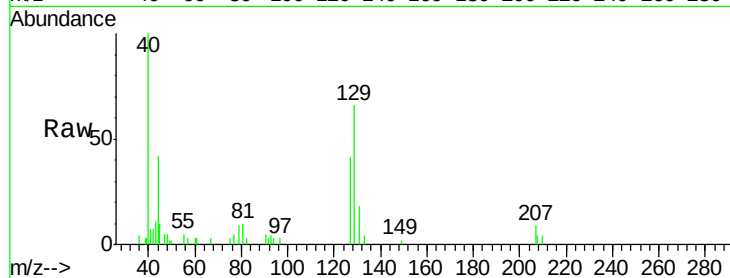




#60
Dibromochloromethane
Concen: 0.643 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

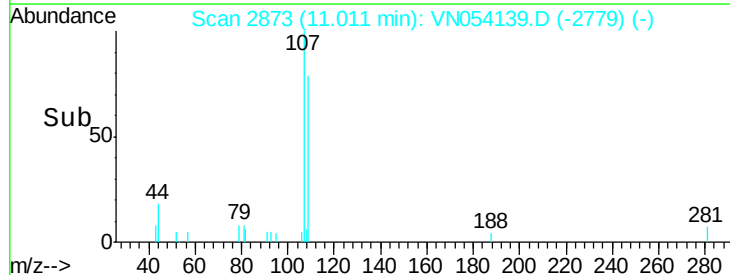
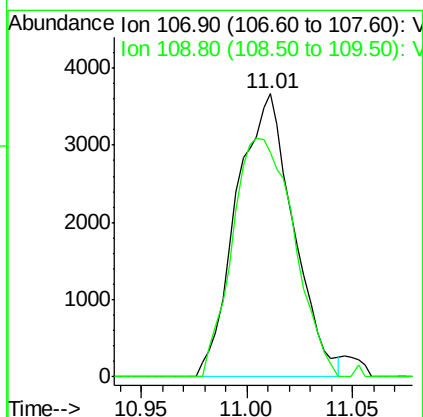
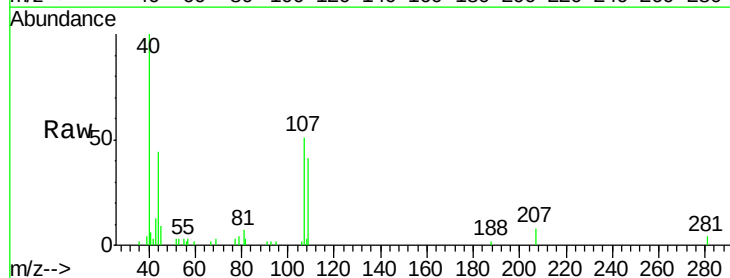
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

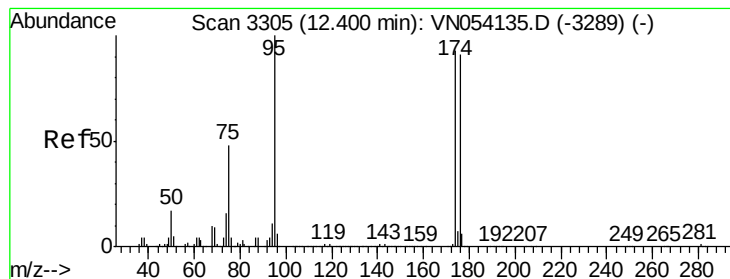
Tot Ion:129 Resp: 7568
Ion Ratio Lower Upper
129 100
127 68.2 38.8 116.4



#61
1,2-Dibromoethane
Concen: 0.673 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion:107 Resp: 6869
Ion Ratio Lower Upper
107 100
109 91.1 74.9 112.3





#62

4-Bromofluorobenzene

Concen: 1.576 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

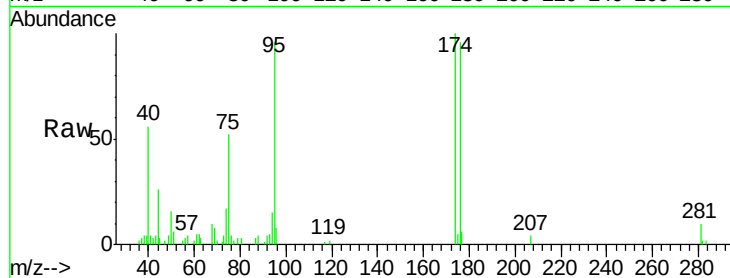
Tot Ion: 95 Resp: 22071

Ion Ratio Lower Upper

95 100

174 100.3 0.0 173.2

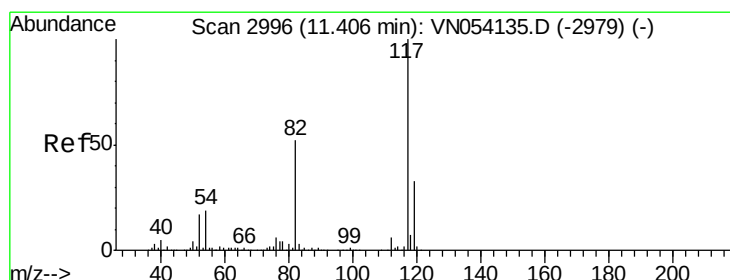
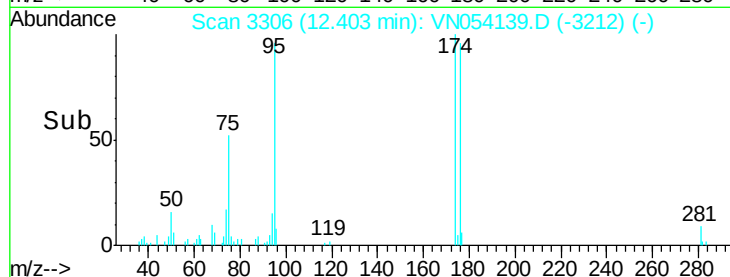
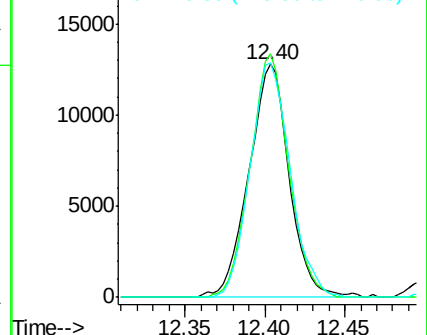
176 100.1 0.0 168.8



Abundance Ion 94.90 (94.60 to 95.60): VN054135.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054135.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054135.D (-3289) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

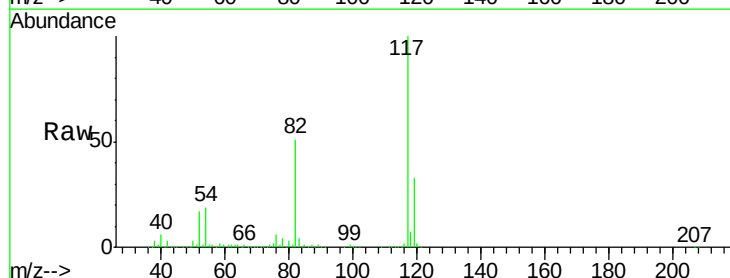
Tgt Ion: 117 Resp: 1409667

Ion Ratio Lower Upper

117 100

82 51.0 43.4 65.2

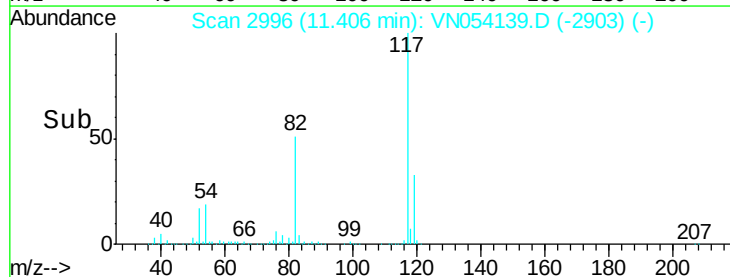
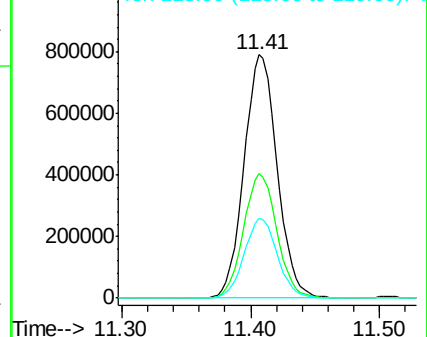
119 32.5 26.0 39.0

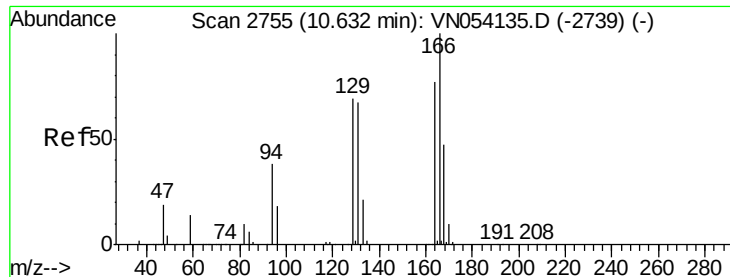


Abundance Ion 116.90 (116.60 to 117.60): VN054135.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN054135.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN054135.D (-2979) (-)





#64

Tetrachloroethene

Concen: 0.816 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 10593

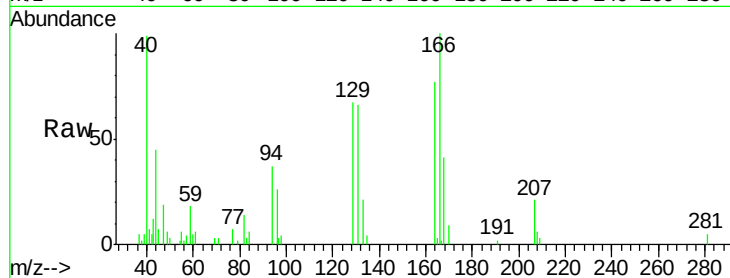
Ion Ratio Lower Upper

164 100

166 129.3 101.3 151.9

129 86.8 73.2 109.8

131 85.2 70.8 106.2

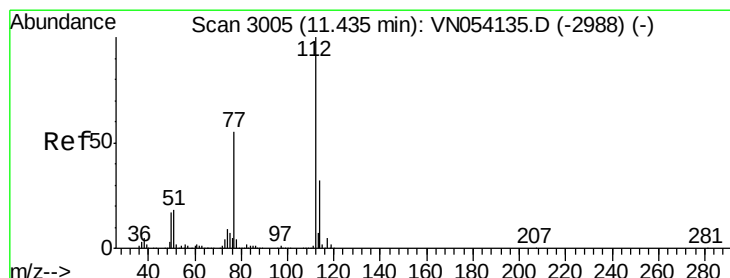
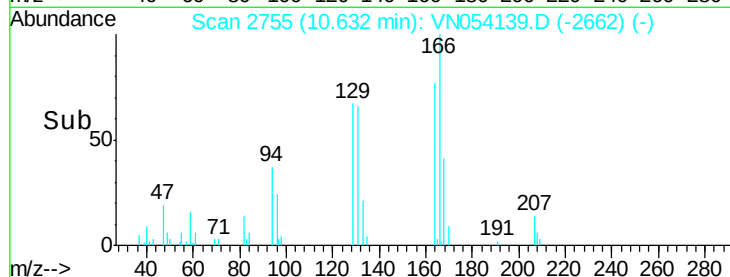
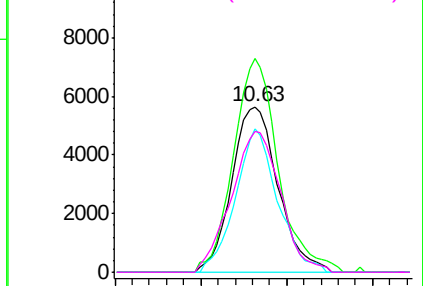


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.759 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN054139.D

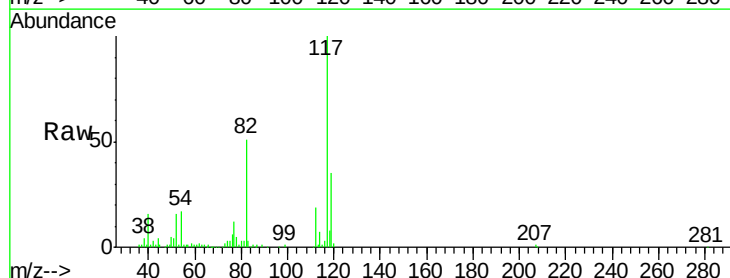
Acq: 11 Mar 2019 13:16

Tgt Ion:112 Resp: 22662

Ion Ratio Lower Upper

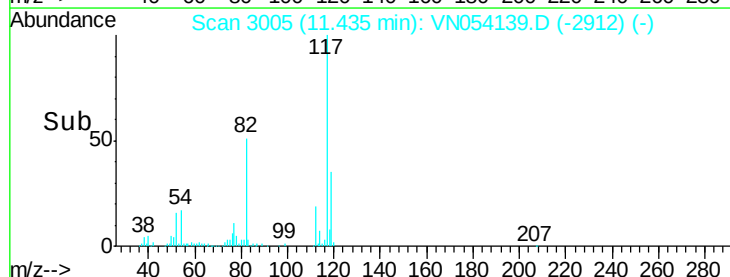
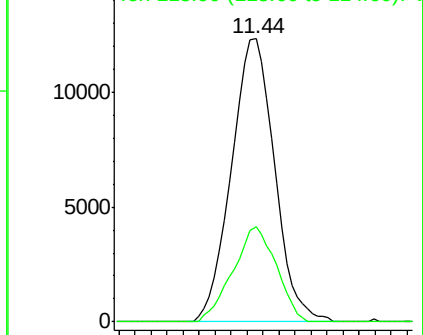
112 100

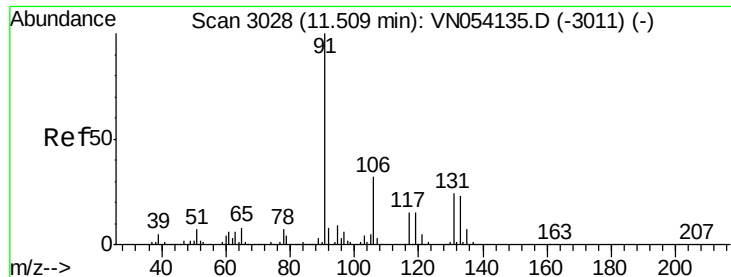
114 33.8 25.4 38.0



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: 0.666 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

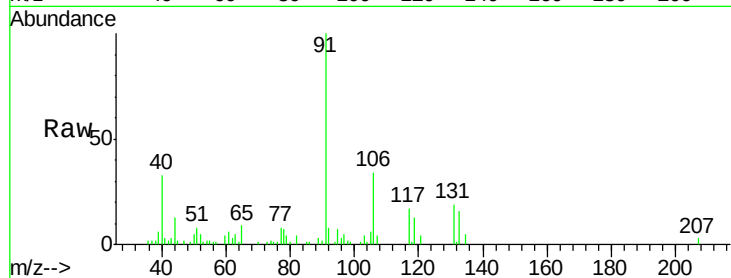
Tot Ion:131 Resp: 7478

Ion Ratio Lower Upper

131 100

133 89.8 47.6 142.9

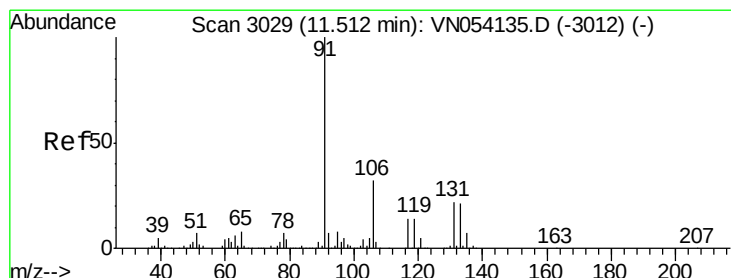
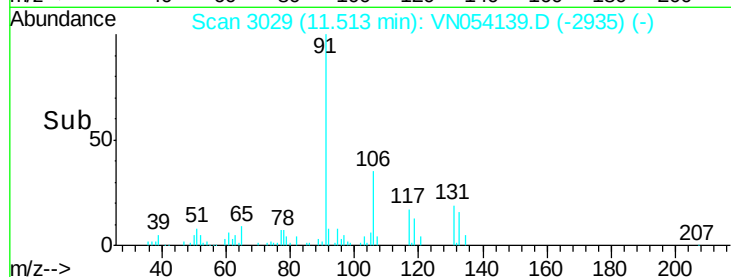
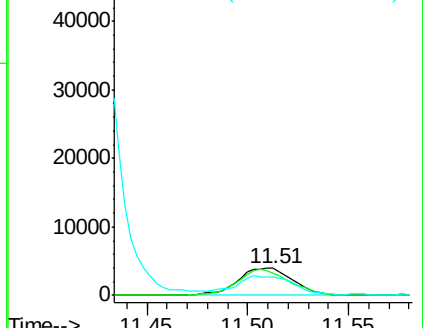
119 0.0 33.8 101.3#



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: 0.761 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054139.D

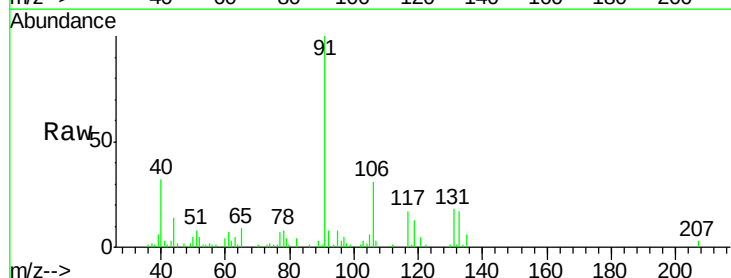
Acq: 11 Mar 2019 13:16

Tgt Ion: 91 Resp: 37761

Ion Ratio Lower Upper

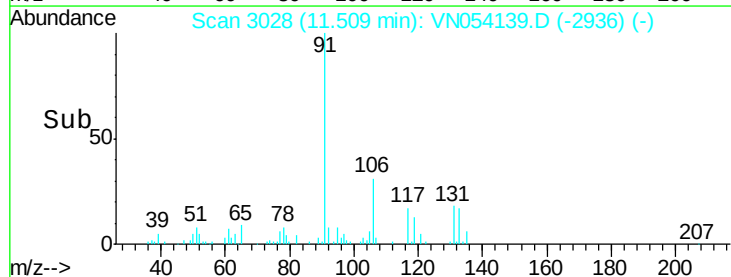
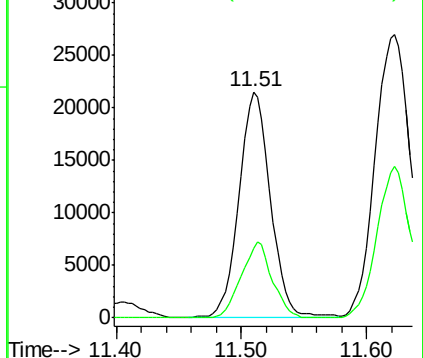
91 100

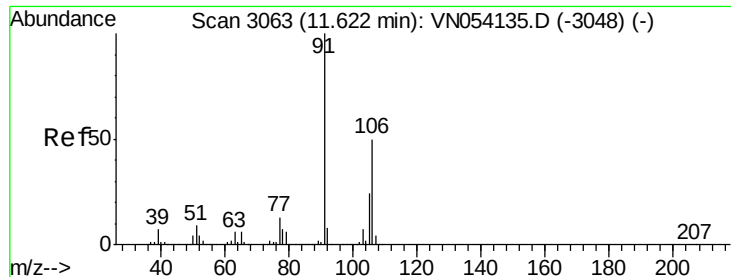
106 30.7 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

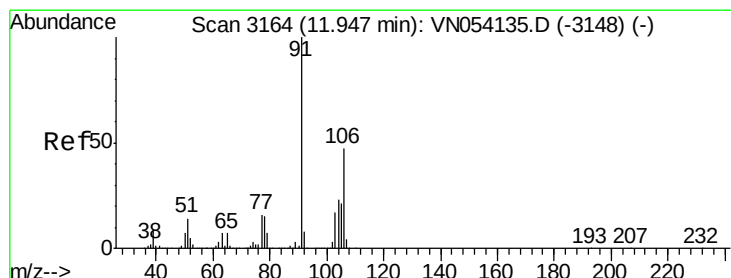
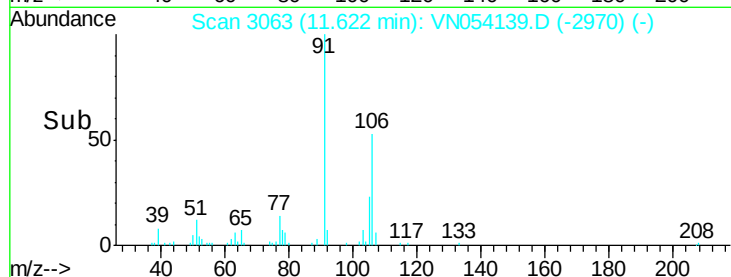
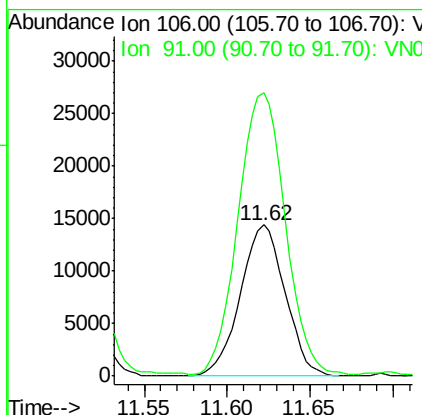
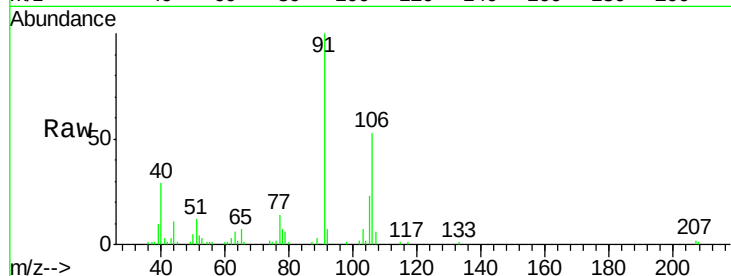




#68
m/p-Xylenes
Concen: 1.391 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

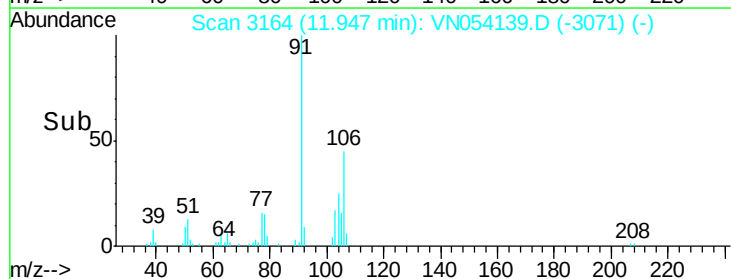
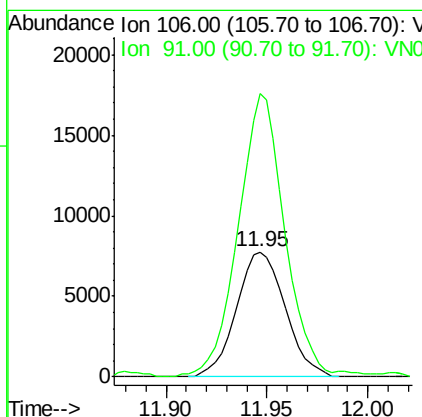
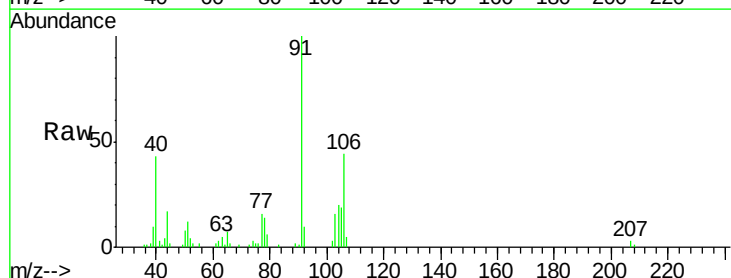
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

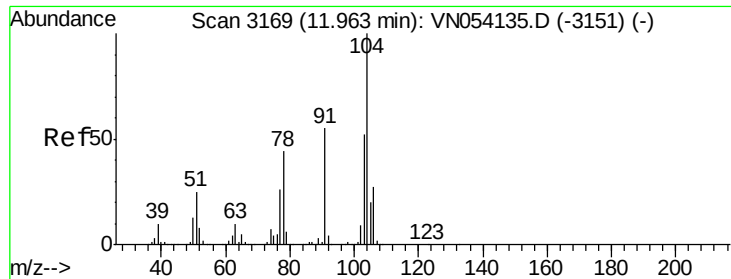
Tot Ion:106 Resp: 27017
Ion Ratio Lower Upper
106 100
91 196.0 163.2 244.8



#69
o-Xylene
Concen: 0.690 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion:106 Resp: 13150
Ion Ratio Lower Upper
106 100
91 216.7 107.1 321.3

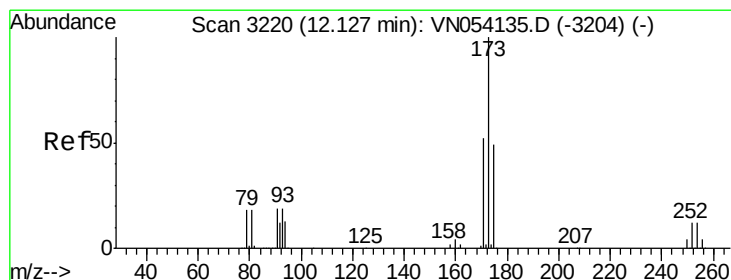
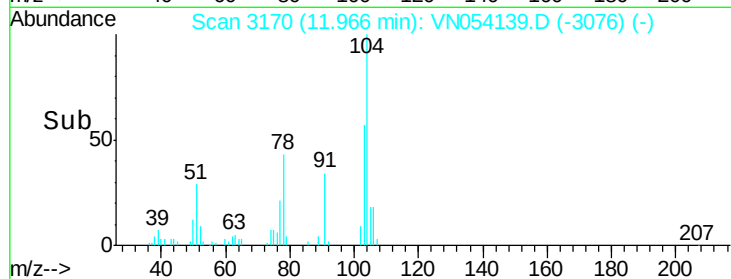
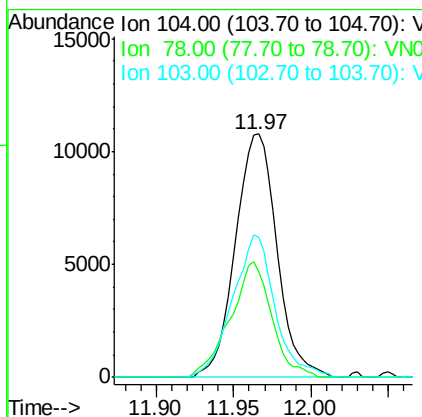
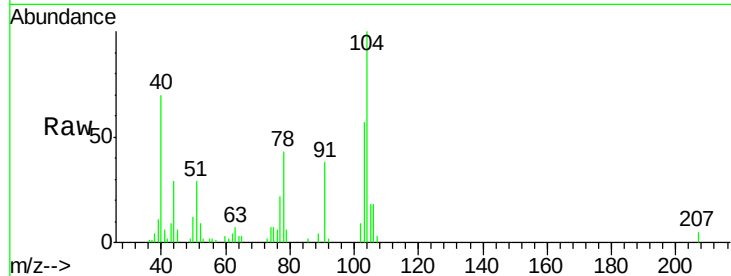




#70
Stvrene
Concen: 0.683 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

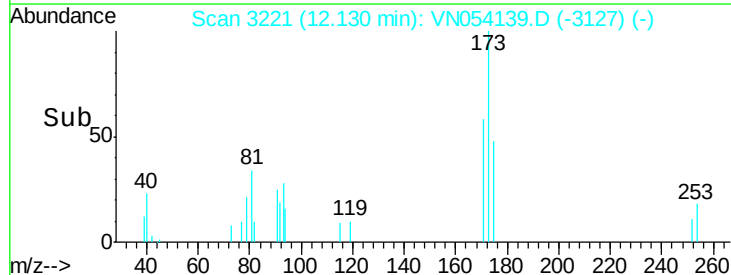
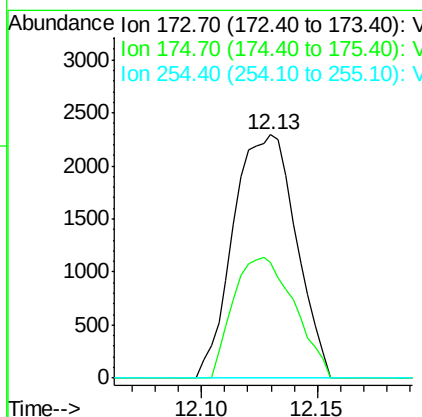
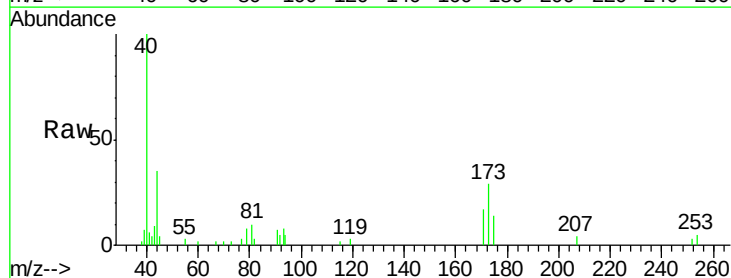
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

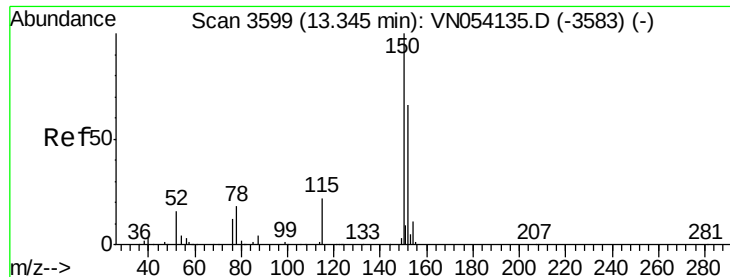
Tot Ion:104 Resp: 20150
Ion Ratio Lower Upper
104 100
78 47.5 39.4 59.0
103 59.8 44.7 67.1



#71
Bromoform
Concen: 0.554 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion:173 Resp: 4315
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.2
254 0.0 0.0 0.0

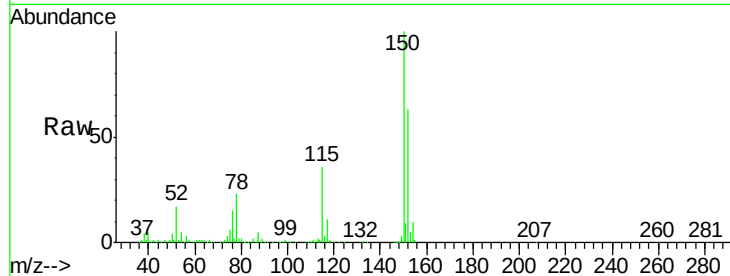




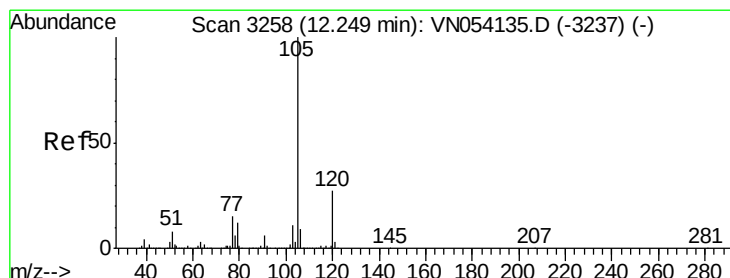
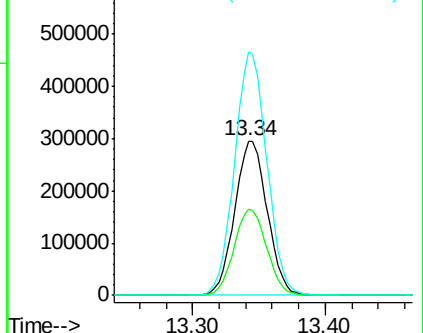
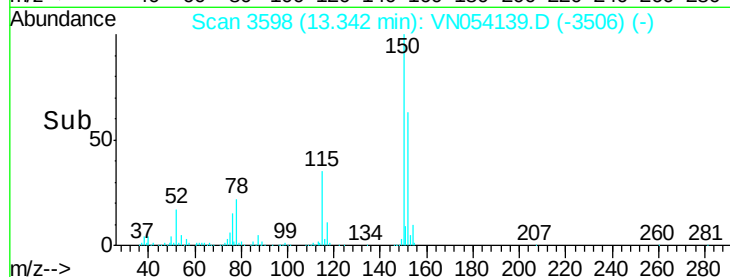
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:152 Resp: 500475
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.5 85.6
 150 156.5 0.0 343.2

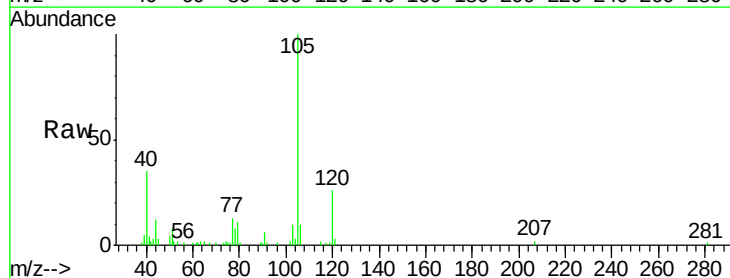


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

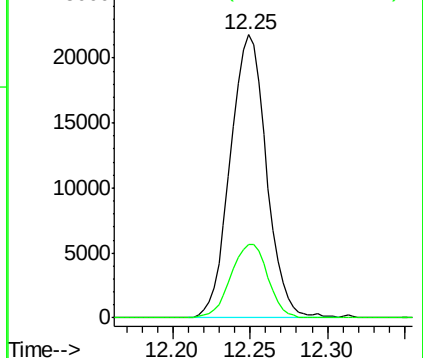
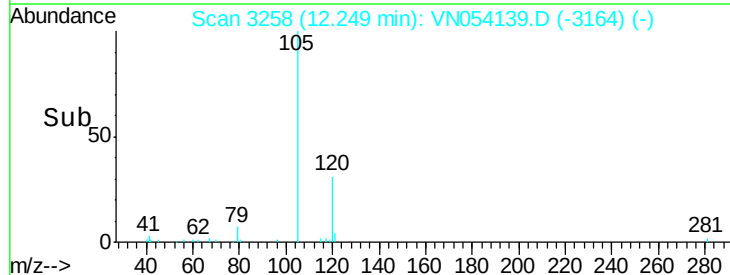


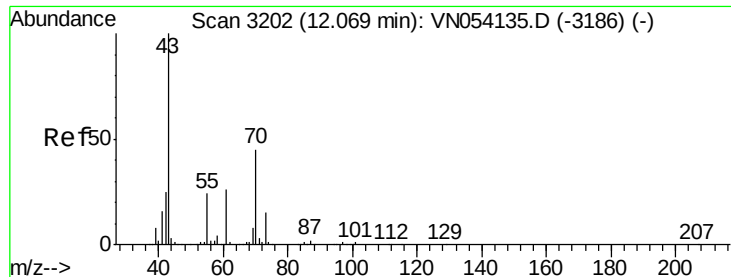
#73
 Isopropylbenzene
 Concen: 0.889 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN054139.D
 Acq: 11 Mar 2019 13:16

Tgt Ion:105 Resp: 35370
 Ion Ratio Lower Upper
 105 100
 120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.885 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 8023

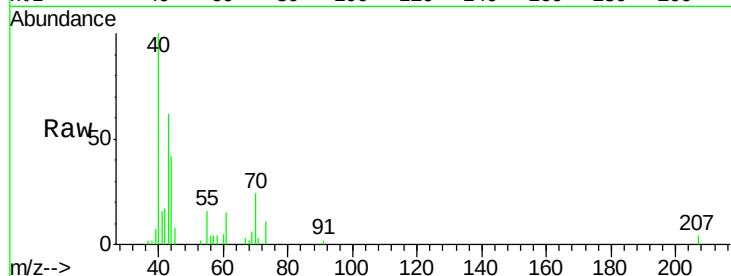
Ion Ratio Lower Upper

43 100

70 44.7 33.6 50.4

55 25.1 20.6 31.0

61 26.1 19.4 29.2

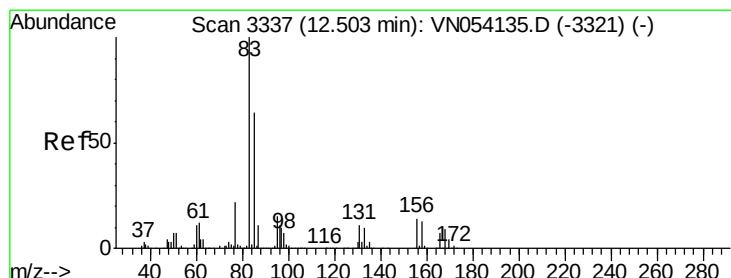
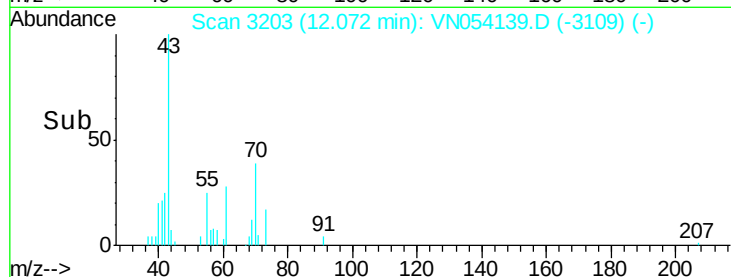
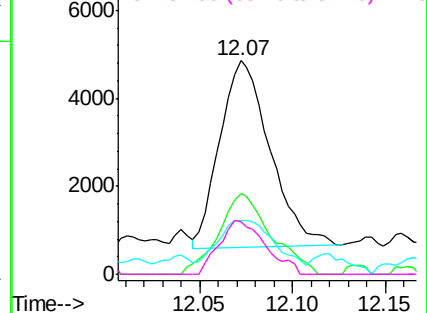


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.842 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

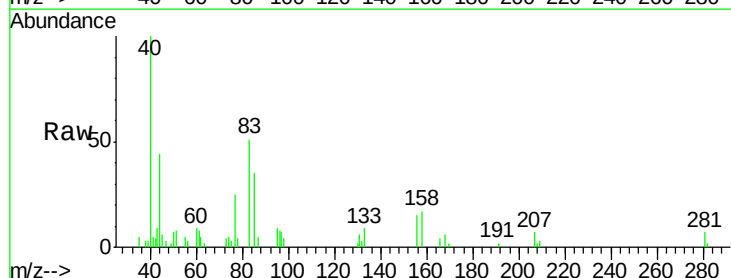
Tgt Ion: 83 Resp: 7249

Ion Ratio Lower Upper

83 100

131 10.7 5.0 14.9

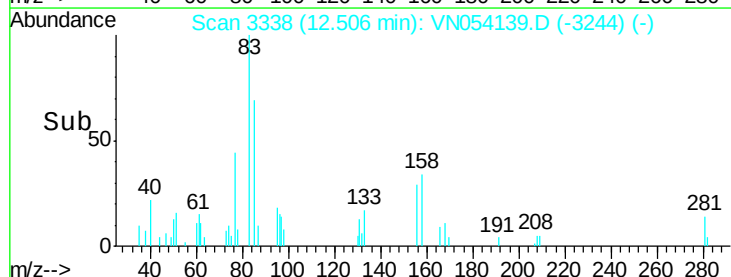
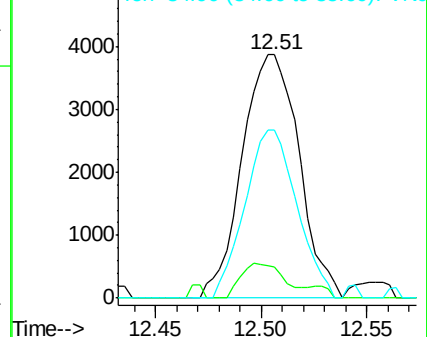
85 63.1 32.4 97.0

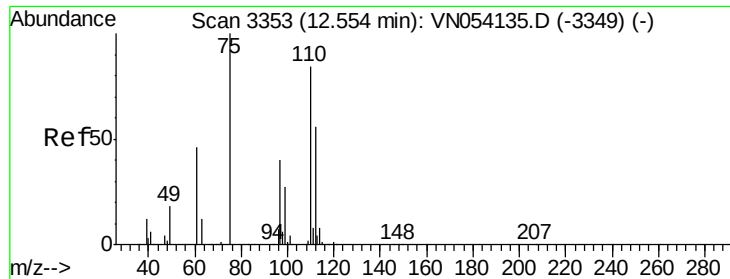


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 1.342 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

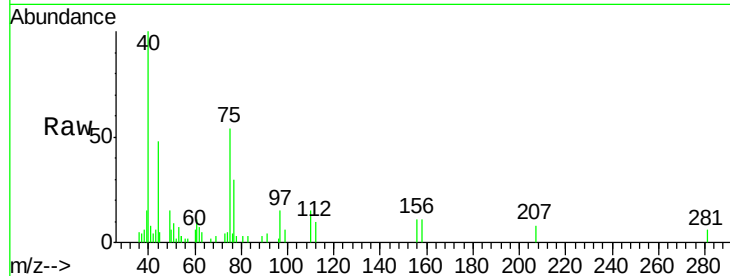
VSTDIC001

Tot Ion: 75 Resp: 9485

Ion Ratio Lower Upper

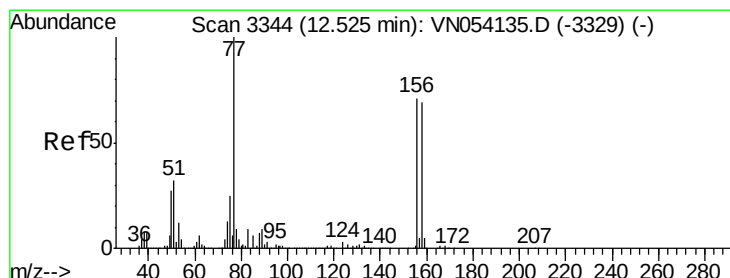
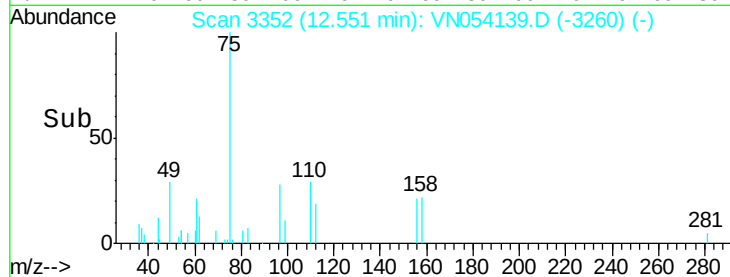
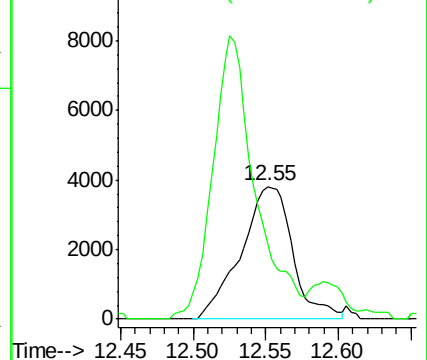
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 0.958 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

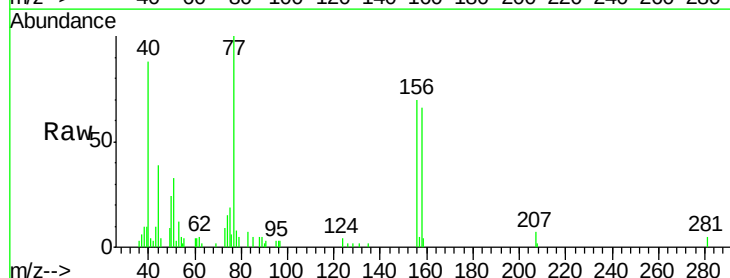
Tgt Ion: 156 Resp: 9929

Ion Ratio Lower Upper

156 100

77 167.5 93.6 280.8

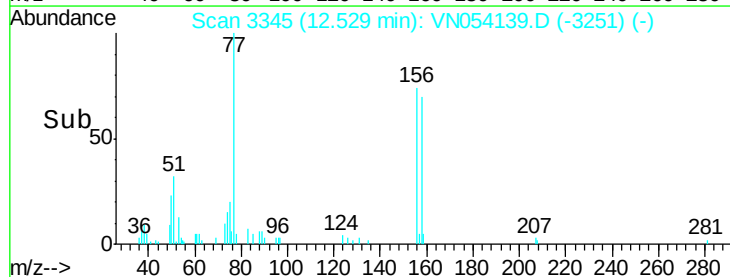
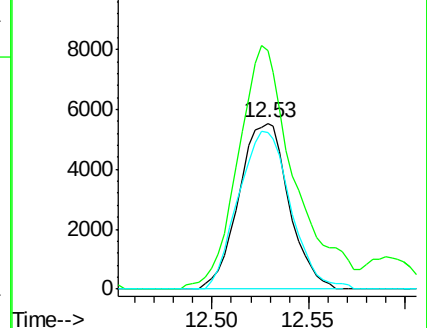
158 99.4 48.4 145.0

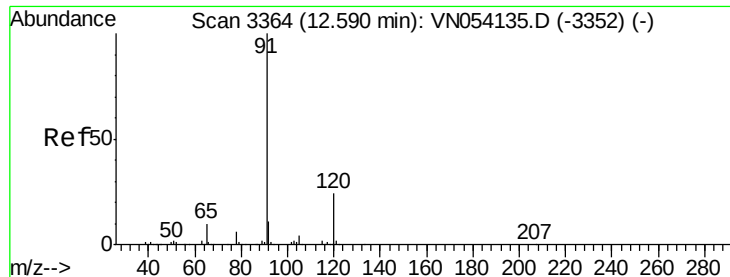


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.876 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

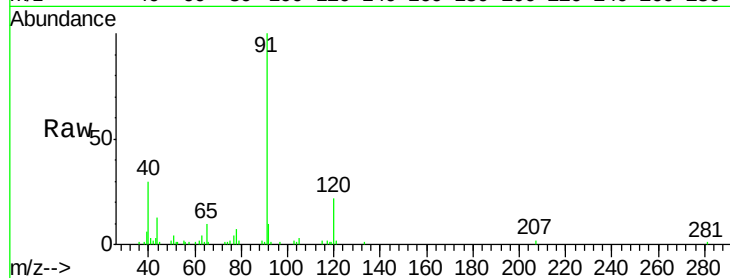
VSTDIC001

Tot Ion: 91 Resp: 37325

Ion Ratio Lower Upper

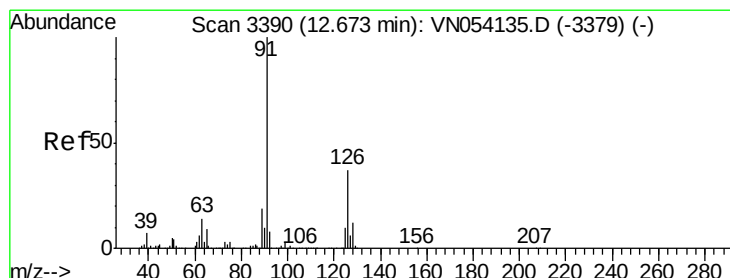
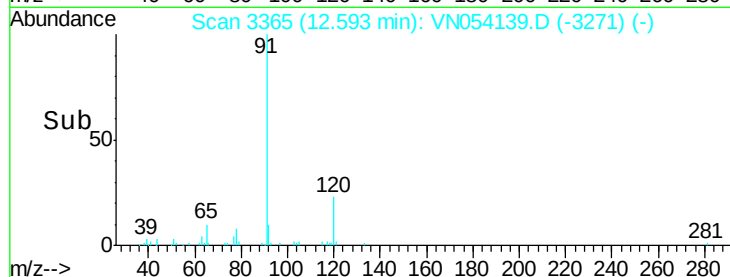
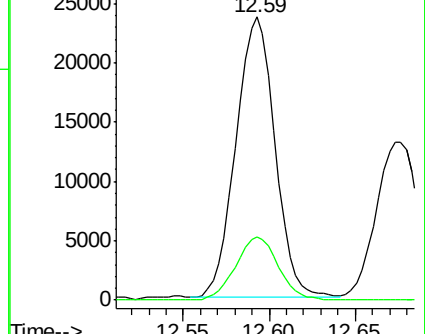
91 100

120 24.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.880 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054139.D

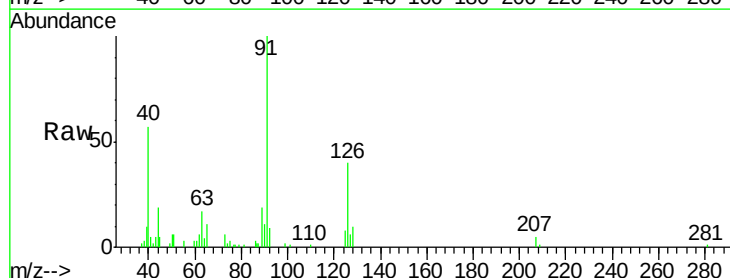
Acq: 11 Mar 2019 13:16

Tgt Ion: 91 Resp: 22953

Ion Ratio Lower Upper

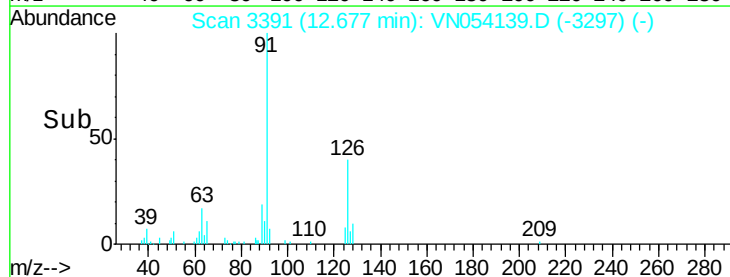
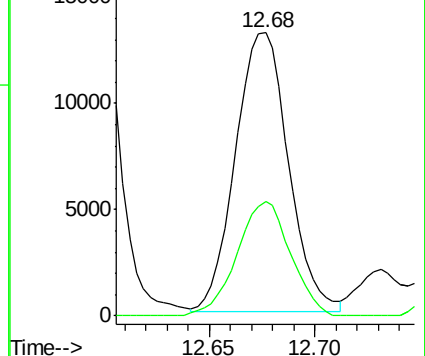
91 100

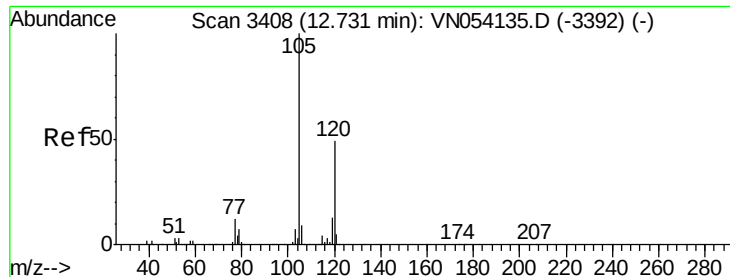
126 41.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.838 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

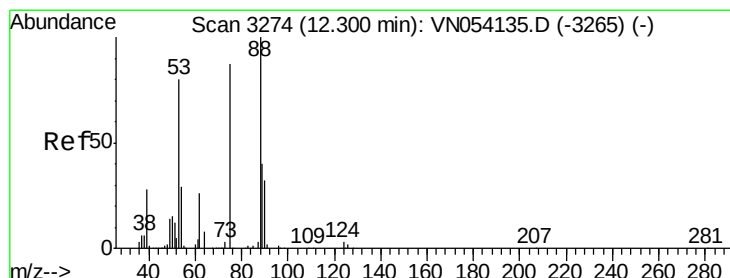
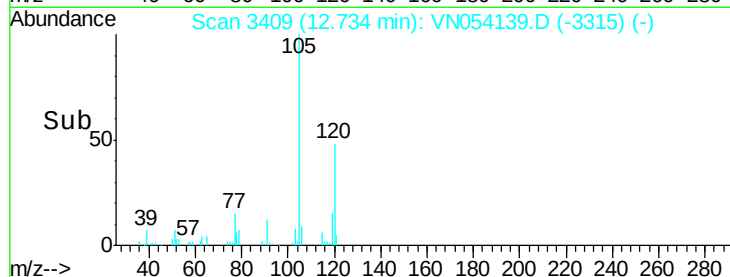
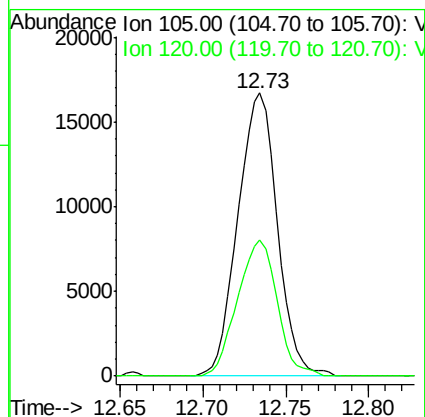
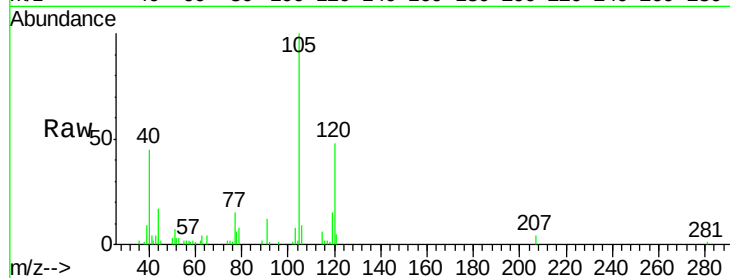
VSTDIC001

Tot Ion:105 Resp: 27639

Ion Ratio Lower Upper

105 100

120 48.4 24.6 73.8



#81

trans-1,4-Dichloro-2-butene

Concen: 0.730 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

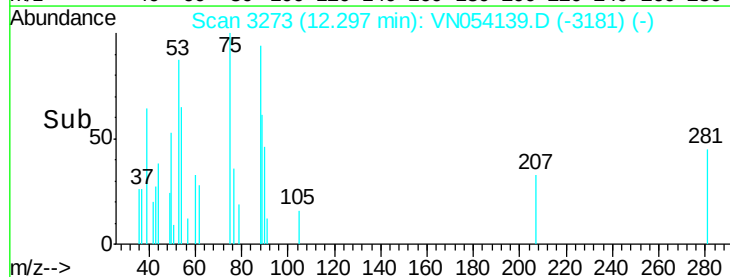
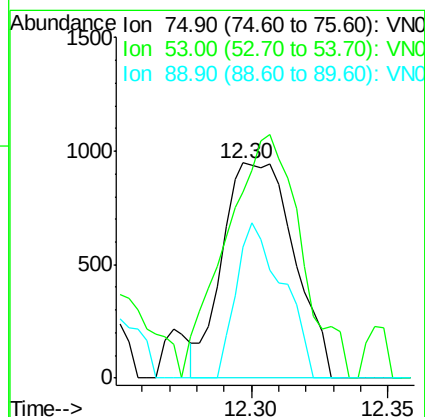
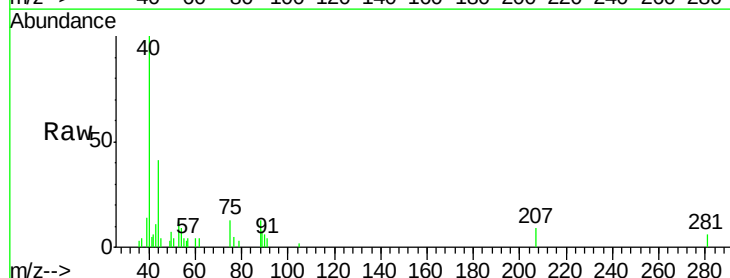
Tgt Ion: 75 Resp: 1733

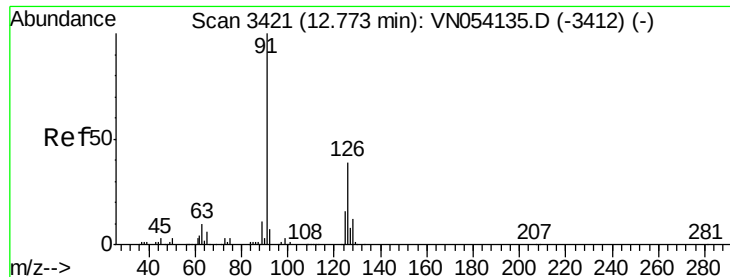
Ion Ratio Lower Upper

75 100

53 118.1 76.4 114.6#

89 47.2 35.3 52.9

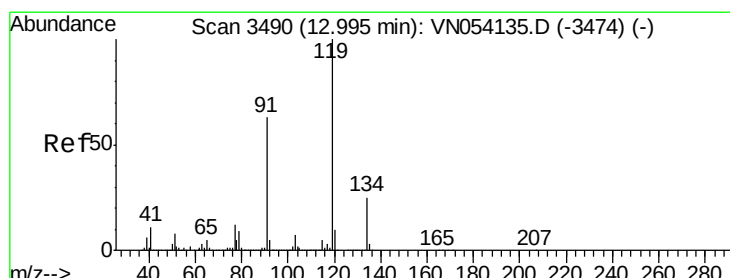
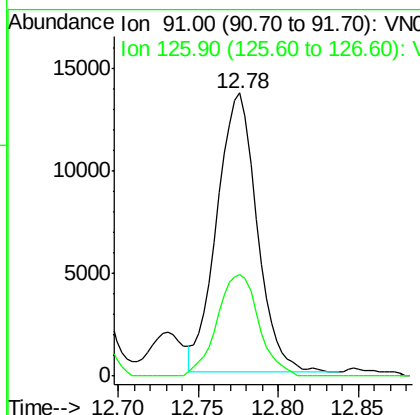
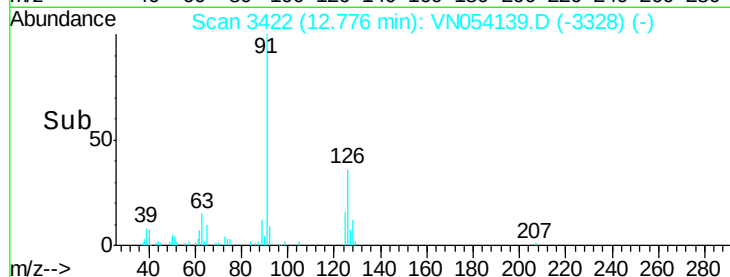
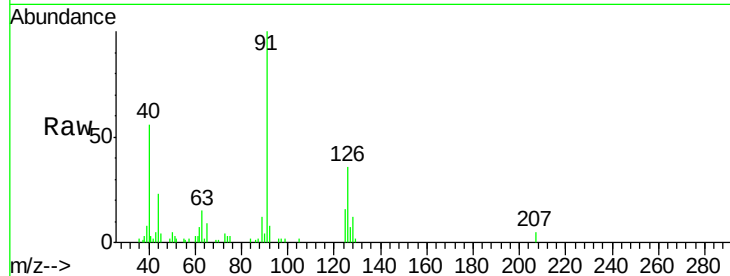




#82
4-Chlorotoluene
Concen: 0.922 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

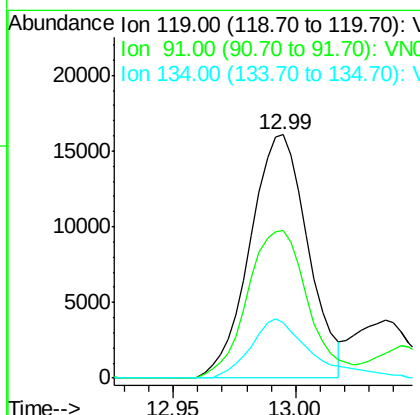
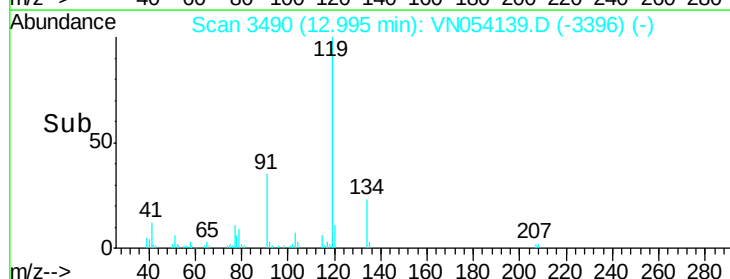
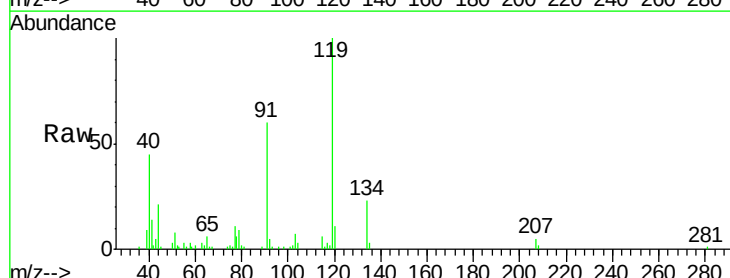
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

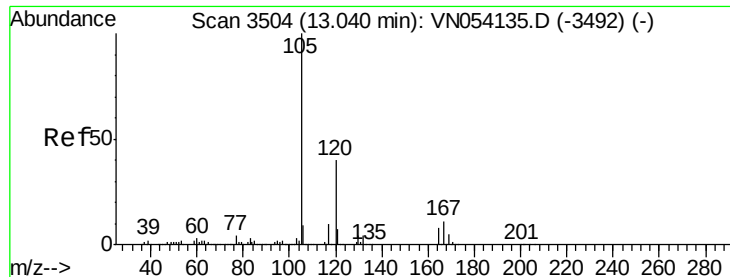
Tot Ion: 91 Resp: 23443
Ion Ratio Lower Upper
91 100
126 37.7 17.1 51.3



#83
tert-Butylbenzene
Concen: 0.867 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion: 119 Resp: 26416
Ion Ratio Lower Upper
119 100
91 63.6 31.8 95.3
134 25.3 12.8 38.3





#84

1,2,4-Trimethylbenzene

Concen: 0.830 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

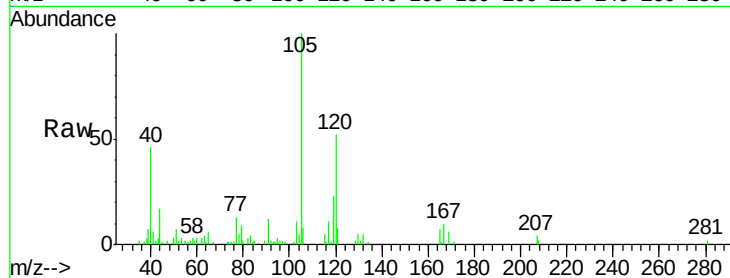
VSTDIC001

Tot Ion:105 Resp: 26834

Ion Ratio Lower Upper

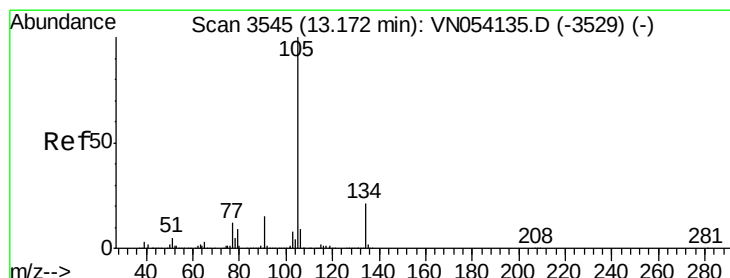
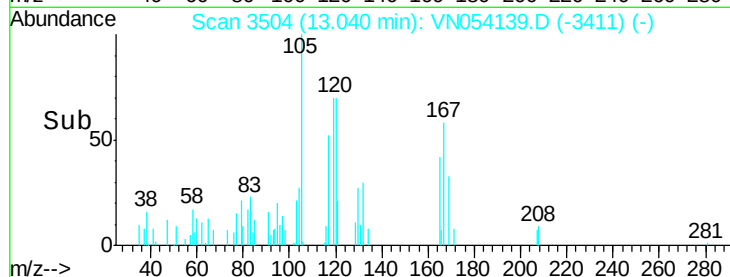
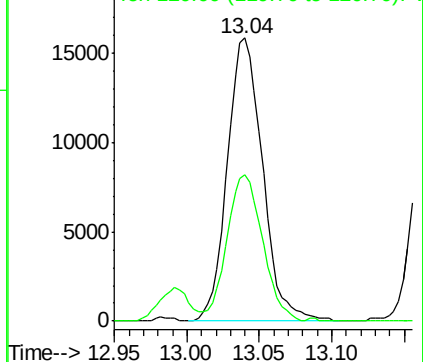
105 100

120 52.6 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.937 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054139.D

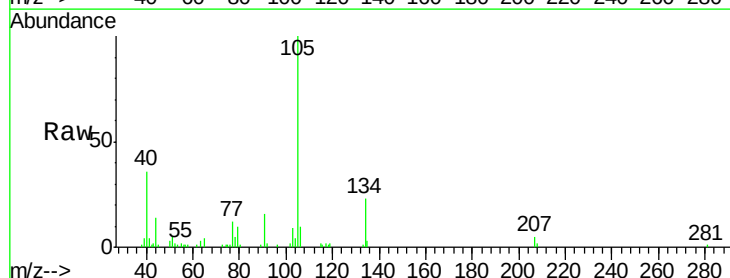
Acq: 11 Mar 2019 13:16

Tgt Ion:105 Resp: 36998

Ion Ratio Lower Upper

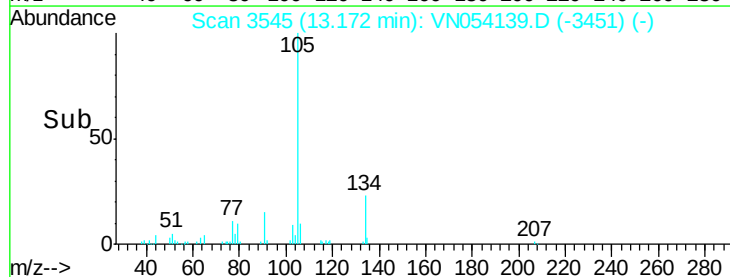
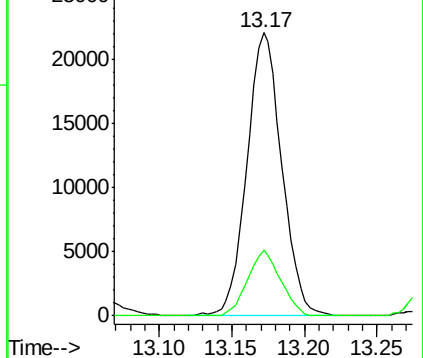
105 100

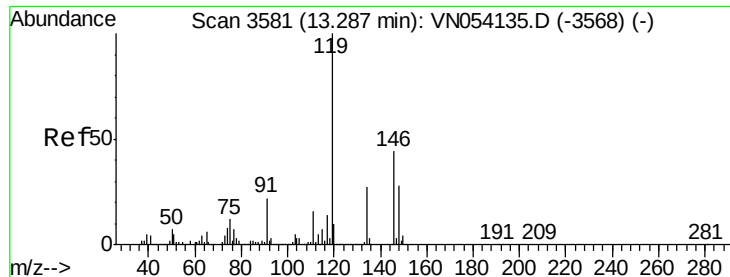
134 21.8 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

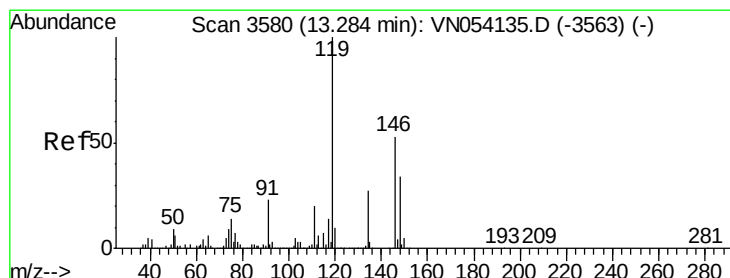
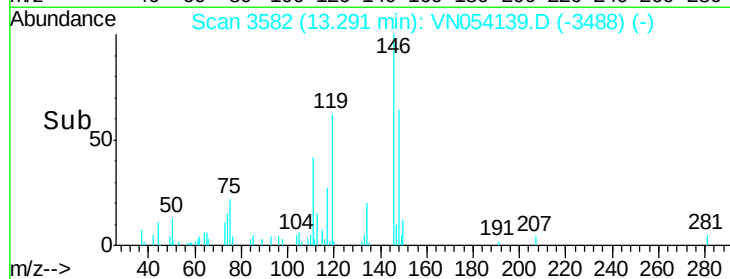
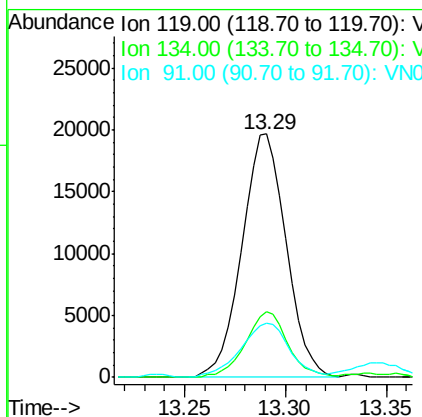
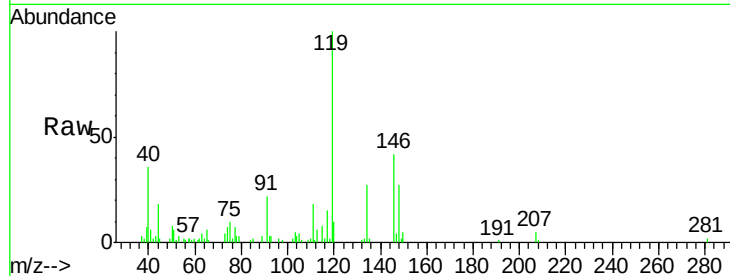




#86
p-Isopropyltoluene
Concen: 0.876 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

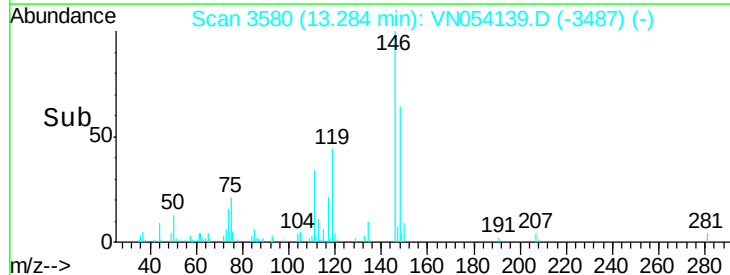
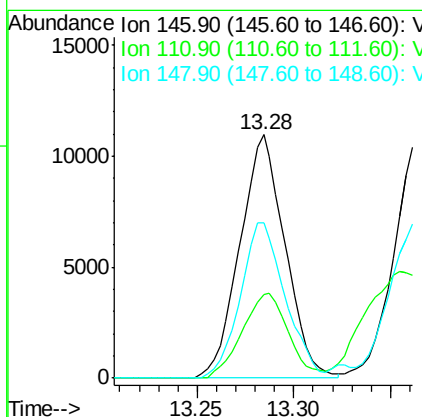
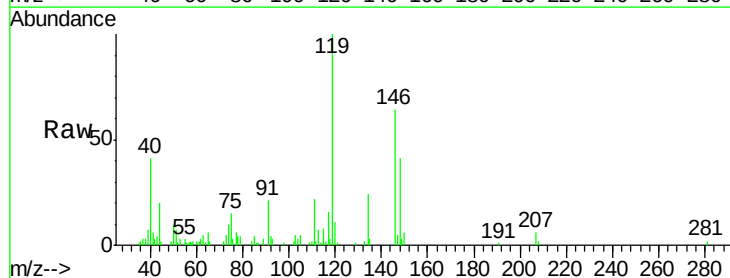
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

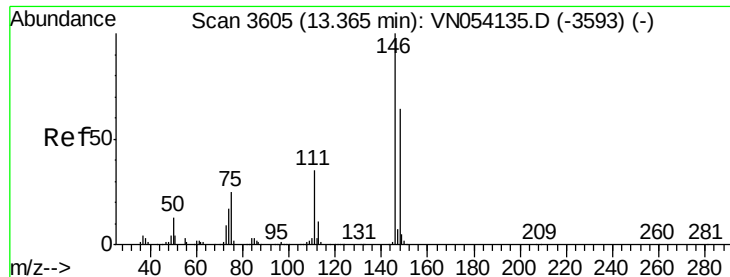
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.2	39.5
91	24.5	11.4	34.2



#87
1,3-Dichlorobenzene
Concen: 1.029 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN054139.D
Acq: 11 Mar 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	19.3	57.8
148	63.4	32.4	97.0





#88

1,4-Dichlorobenzene

Concen: 1.042 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

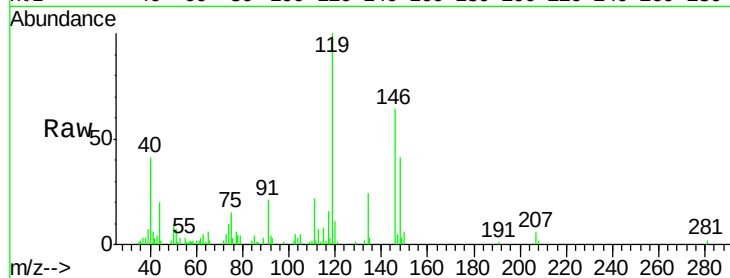
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

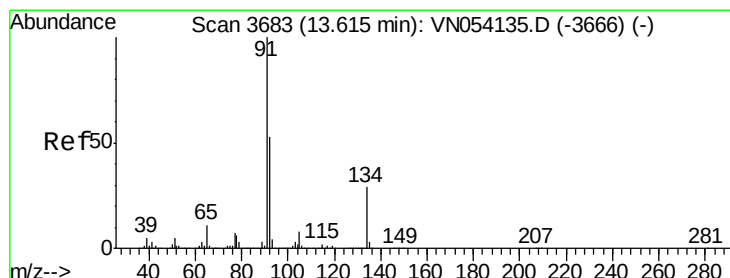
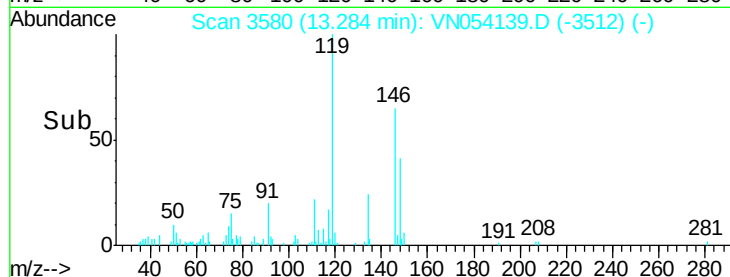
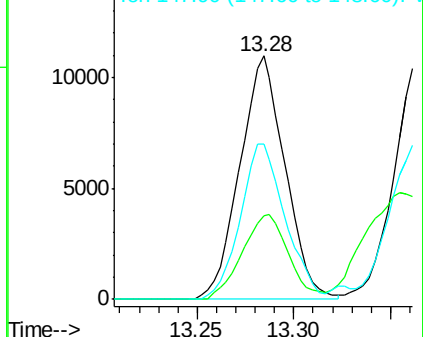
Tot Ion:	146	Resp:	17817
Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.9	56.5
148	63.4	32.1	96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.946 ug/l

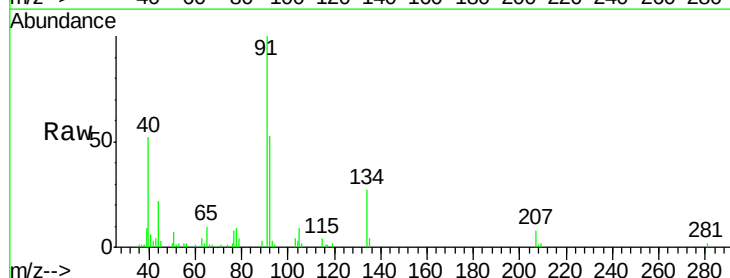
RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

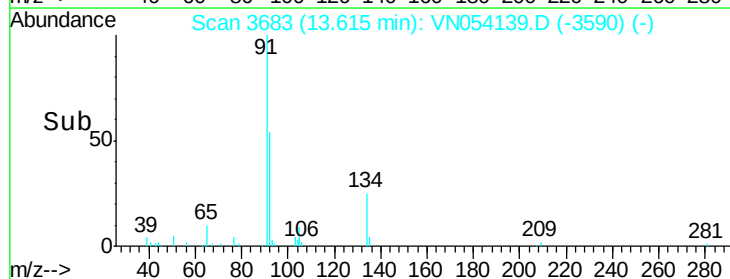
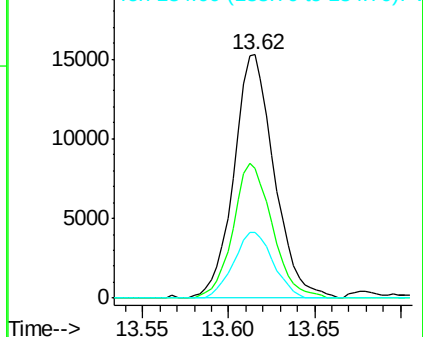
Tgt Ion:	91	Resp:	24989
Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.0	78.0
134	26.5	13.1	39.1

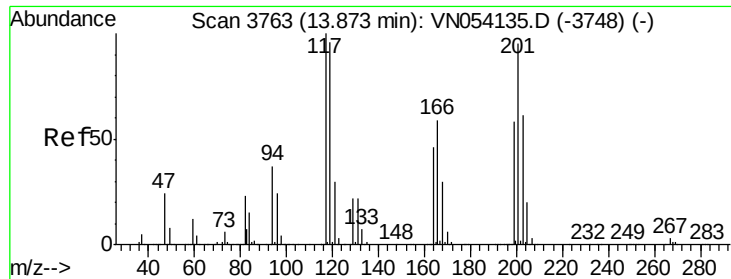


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.756 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

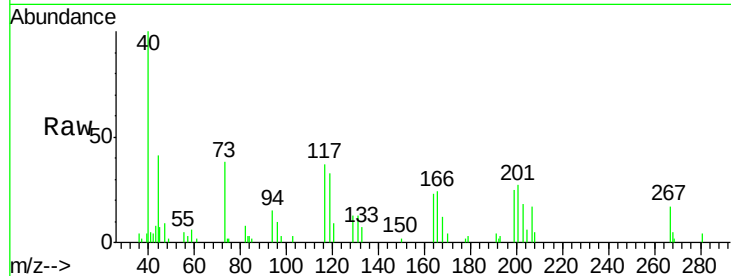
VSTDIC001

Tot Ion:117 Resp: 4653

Ion Ratio Lower Upper

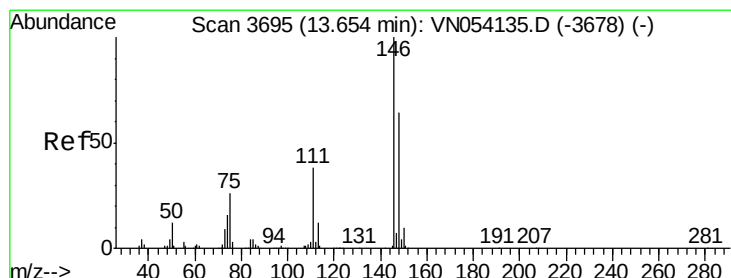
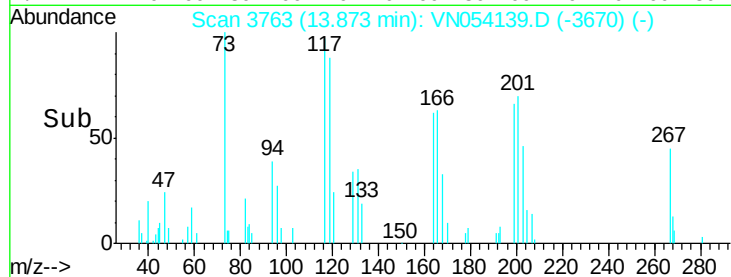
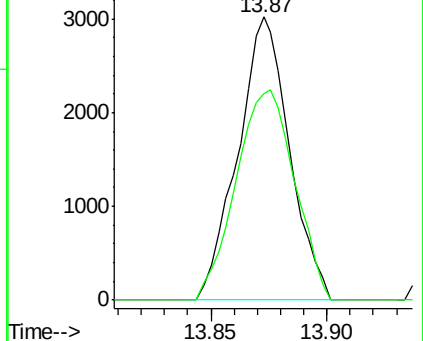
117 100

201 84.2 44.9 134.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.059 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

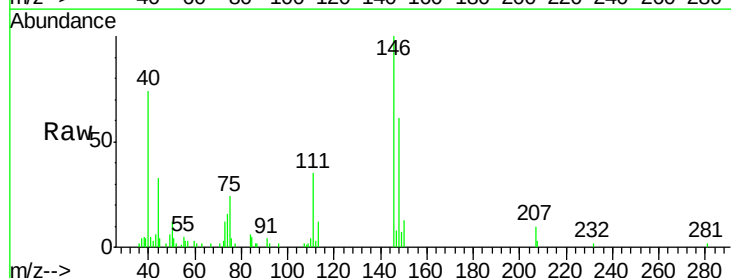
Tgt Ion:146 Resp: 17999

Ion Ratio Lower Upper

146 100

111 38.6 20.0 60.0

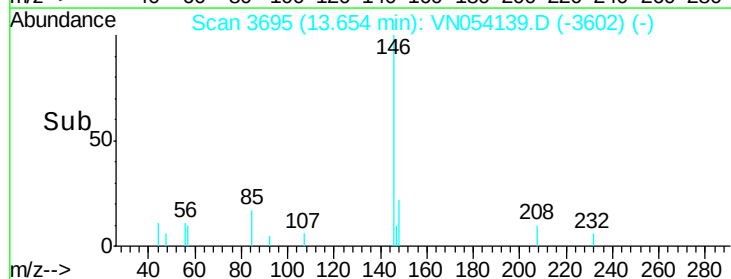
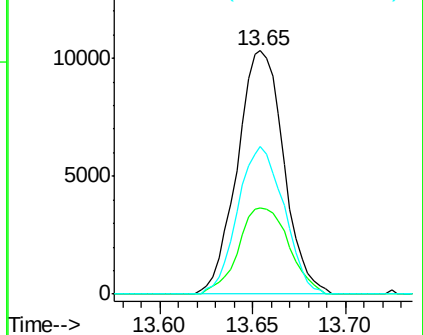
148 60.6 32.3 96.9

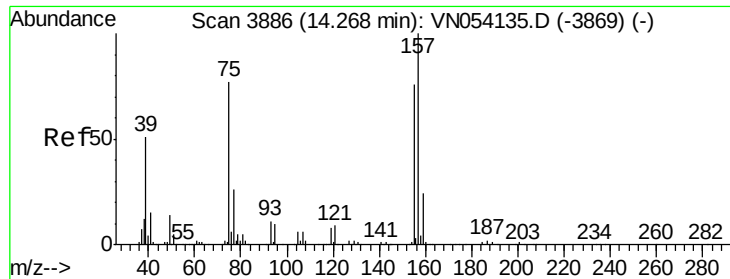


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.098 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

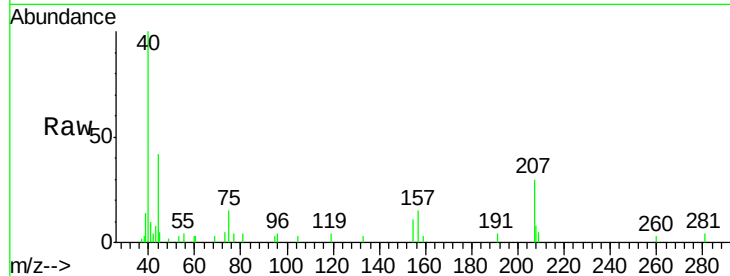
Tot Ion: 75 Resp: 1628

Ion Ratio Lower Upper

75 100

155 78.1 44.5 133.5

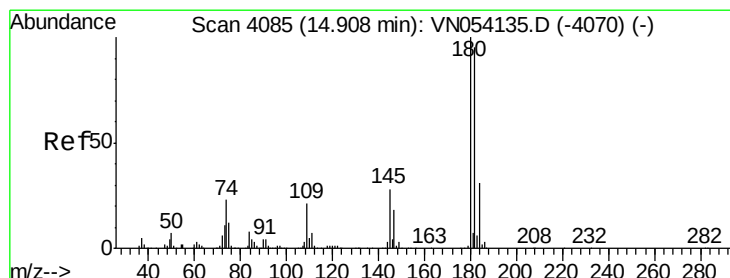
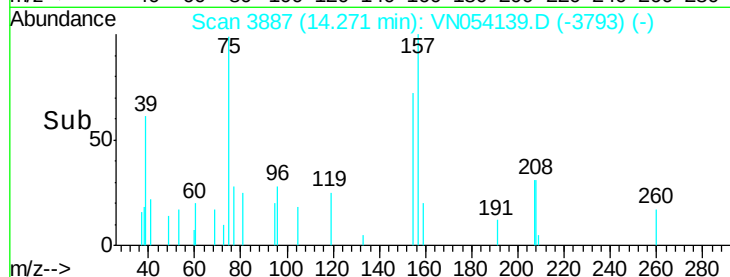
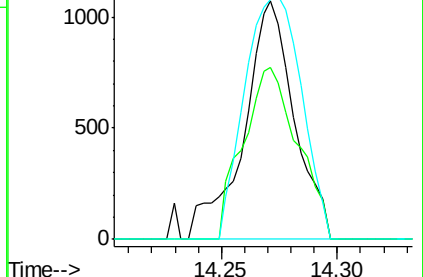
157 114.6 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): VN054135.D (-3869) (-)

Ion 154.80 (154.50 to 155.50): VN054135.D (-3869) (-)

Ion 156.80 (156.50 to 157.50): VN054135.D (-3869) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.987 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

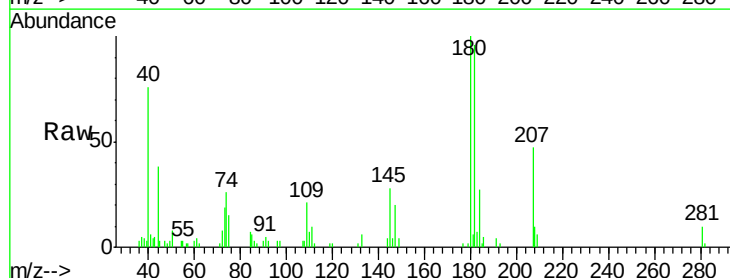
Tgt Ion: 180 Resp: 17520

Ion Ratio Lower Upper

180 100

182 94.5 48.1 144.3

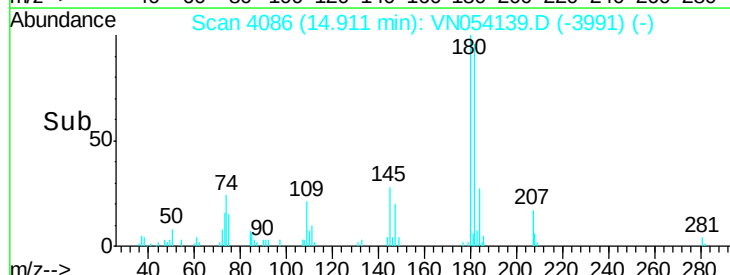
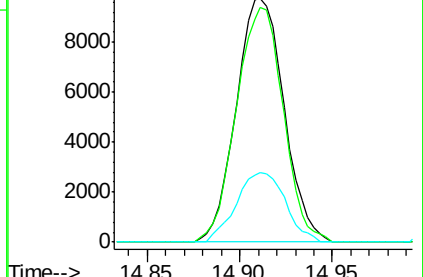
145 29.3 13.9 41.7

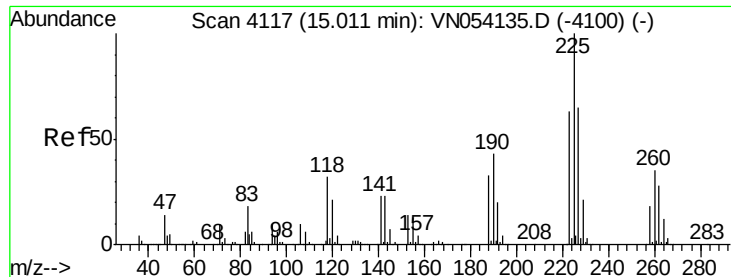


Abundance Ion 179.80 (179.50 to 180.50): VN054135.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN054135.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN054135.D (-4070) (-)





#94

Hexachlorobutadiene

Concen: 1.399 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

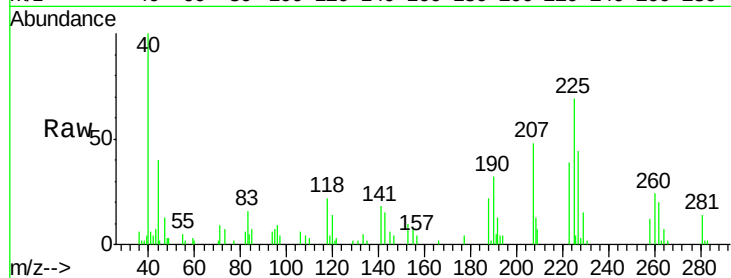
Tot Ion:225 Resp: 9405

Ion Ratio Lower Upper

225 100

223 56.8 31.2 93.6

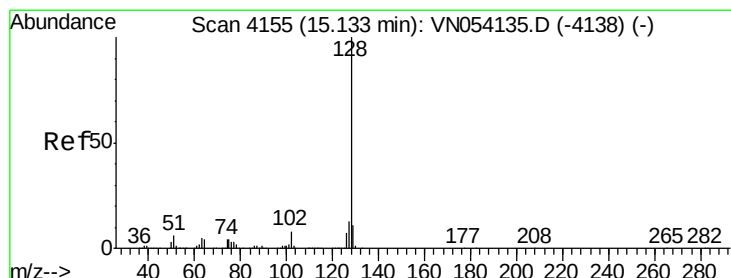
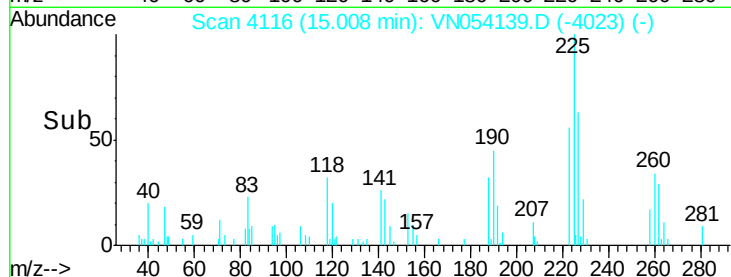
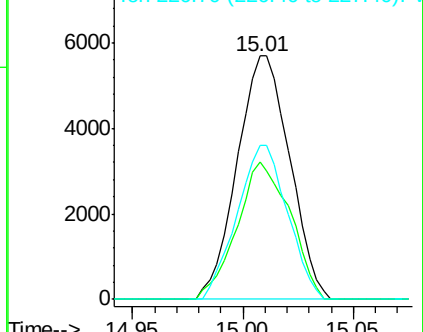
227 60.6 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.600 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

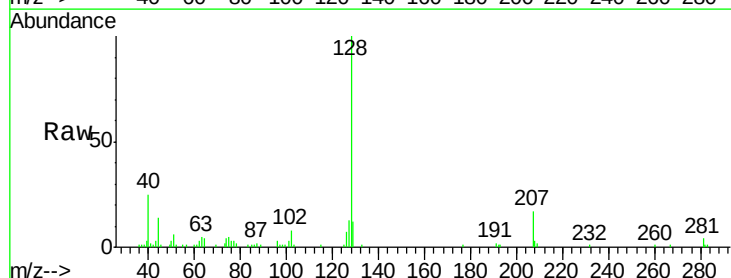
Tgt Ion:128 Resp: 48641

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

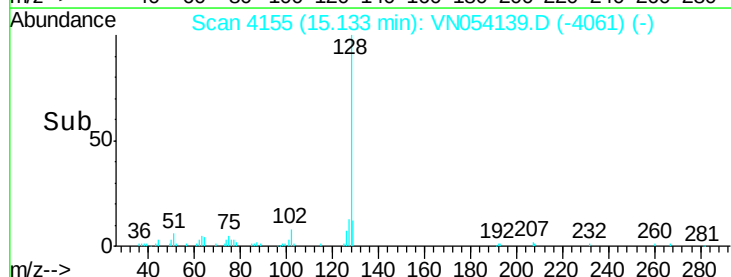
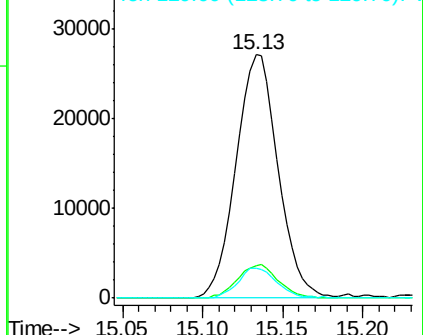
129 11.3 8.6 12.8

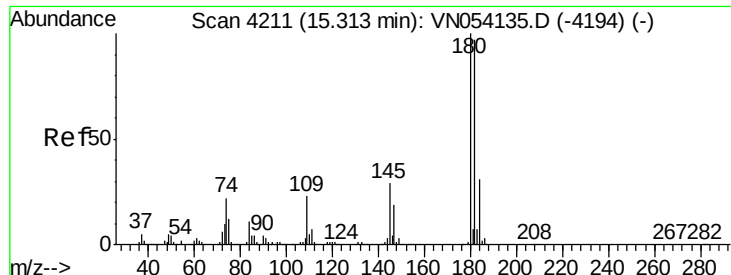


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.608 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN054139.D

Acq: 11 Mar 2019 13:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

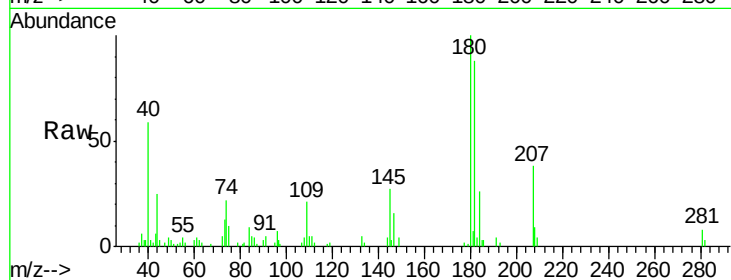
Tot Ion:180 Resp: 23299

Ion Ratio Lower Upper

180 100

182 90.1 47.9 143.7

145 30.7 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

