

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055587.D
 Acq On : 14 May 2019 11:57
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: May 15 06:53:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	745181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1260710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1065123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360874	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	108448	9.74	ug/l	0.00
Spiked Amount			Recovery	=	19.48%	
35) Dibromofluoromethane	7.59	113	87460	10.74	ug/l	0.00
Spiked Amount			Recovery	=	21.48%	
50) Toluene-d8	10.09	98	324367	10.24	ug/l	0.00
Spiked Amount			Recovery	=	20.48%	
62) 4-Bromofluorobenzene	12.40	95	98594	9.32	ug/l	0.00
Spiked Amount			Recovery	=	18.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	75427	9.914	ug/l	100
3) Chloromethane	2.06	50	118280	9.663	ug/l	99
4) Vinyl Chloride	2.18	62	114191	9.811	ug/l	98
5) Bromomethane	2.55	94	69118	10.742	ug/l	95
6) Chloroethane	2.70	64	71112	10.395	ug/l	96
7) Trichlorofluoromethane	3.02	101	128852	10.081	ug/l	98
8) Diethyl Ether	3.41	74	56112	9.776	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80310	9.871	ug/l	98
10) Methyl Iodide	3.94	142	99706	9.117	ug/l	99
11) Tert butyl alcohol	4.81	59	68090	42.808	ug/l	99
12) 1,1-Dichloroethene	3.73	96	81391	9.974	ug/l	99
13) Acrolein	3.60	56	65945	57.569	ug/l	99
14) Allyl chloride	4.32	41	155895	9.448	ug/l	98
15) Acrylonitrile	4.99	53	222205	44.268	ug/l	98
16) Acetone	3.82	43	265905	51.828	ug/l	100
17) Carbon Disulfide	4.05	76	224300	10.012	ug/l	98
18) Methyl Acetate	4.33	43	97416	7.771	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	254451	9.493	ug/l	97
20) Methylene Chloride	4.55	84	99650	9.428	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	88945	10.038	ug/l	98
22) Diisopropyl ether	5.95	45	318229	9.505	ug/l	95
23) Vinyl Acetate	5.90	43	1149837	44.626	ug/l	99
24) 1,1-Dichloroethane	5.85	63	176585	9.692	ug/l	99
25) 2-Butanone	6.84	43	320734	45.905	ug/l	98
26) 2,2-Dichloropropane	6.82	77	112487	9.917	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	100764	9.892	ug/l	99
28) Bromochloromethane	7.19	49	88678	9.514	ug/l	98
29) Tetrahydrofuran	7.22	42	197180	42.652	ug/l	98
30) Chloroform	7.37	83	165250	9.823	ug/l	99
31) Cyclohexane	7.65	56	176706	9.796	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	125857	9.791	ug/l	99
36) 1,1-Dichloropropene	7.79	75	121530	9.837	ug/l	98
37) Ethyl Acetate	6.93	43	113172	8.565	ug/l	97
38) Carbon Tetrachloride	7.77	117	105314	10.066	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	146983	9.764	ug/l	97
40) Benzene	8.04	78	382309	9.982	ug/l	98
41) Methacrylonitrile	7.17	41	54460	8.903	ug/l	94
42) 1,2-Dichloroethane	8.12	62	131169	9.784	ug/l	99
43) Isopropyl Acetate	8.17	43	181548	9.072	ug/l	99
44) Trichloroethene	8.84	130	93057	10.141	ug/l	98
45) 1,2-Dichloropropane	9.12	63	107093	9.794	ug/l	99
46) Dibromomethane	9.21	93	62520	9.872	ug/l	99
47) Bromodichloromethane	9.40	83	117287	9.640	ug/l	94
48) Methyl methacrylate	9.20	41	85723	8.864	ug/l	98
49) 1,4-Dioxane	9.20	88	33017	176.314	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	564616	43.104	ug/l	100
52) Toluene	10.16	92	220759	10.070	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	108513	9.330	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134225	9.627	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	87366	9.858	ug/l	98
56) Ethyl methacrylate	10.43	69	120543	9.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	151472	9.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	137080	38.119	ug/l	99
59) 2-Hexanone	10.75	43	396753	43.255	ug/l	100
60) Dibromochloromethane	10.90	129	78557	9.742	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81692	9.621	ug/l	98
64) Tetrachloroethene	10.63	164	88122	10.119	ug/l	98
65) Chlorobenzene	11.43	112	221283	10.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	76412	10.117	ug/l	97
67) Ethyl Benzene	11.51	91	399583	9.779	ug/l	100
68) m/p-Xylenes	11.62	106	289030	19.655	ug/l	98
69) o-Xylene	11.95	106	140544	9.738	ug/l	99
70) Styrene	11.96	104	223557	9.692	ug/l	99
71) Bromoform	12.13	173	48818	9.651	ug/l #	99
73) Isopropylbenzene	12.25	105	378079	10.721	ug/l	99
74) N-amyl acetate	12.07	43	118950	8.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118810	10.393	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	135711	14.051	ug/l #	100
77) Bromobenzene	12.53	156	84940	10.685	ug/l	98
78) n-propylbenzene	12.59	91	393828	10.232	ug/l	100
79) 2-Chlorotoluene	12.67	91	246174	10.278	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	292196	10.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26265	10.078	ug/l	96
82) 4-Chlorotoluene	12.77	91	229142	10.117	ug/l	100
83) tert-Butylbenzene	12.99	119	256757	10.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269195	10.245	ug/l	99
85) sec-Butylbenzene	13.17	105	330831	10.158	ug/l	99
86) p-Isopropyltoluene	13.29	119	261593	9.871	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126479	10.334	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	118547	9.803	ug/l	97
89) n-Butylbenzene	13.61	91	176800	8.693	ug/l	99
90) Hexachloroethane	13.87	117	45080	10.414	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	125188	10.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14278	8.805	ug/l	96

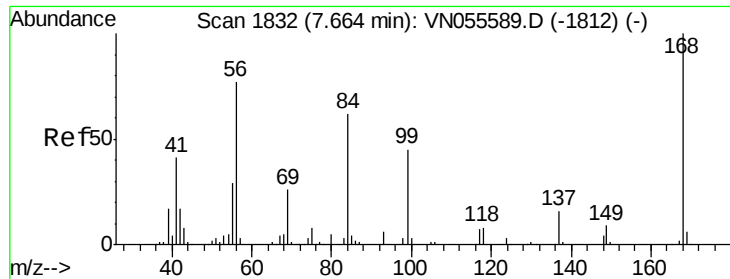
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	32499	7.846	ug/l	98
94) Hexachlorobutadiene	15.01	225	41221	9.396	ug/l	98
95) Naphthalene	15.13	128	96411	7.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	37680	7.759	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

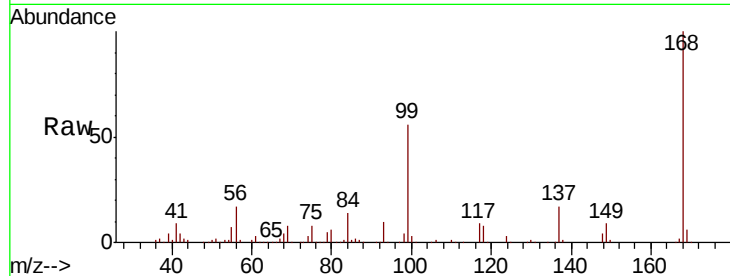
VSTDIC010

Tot Ion:168 Resp: 745181

Ion Ratio Lower Upper

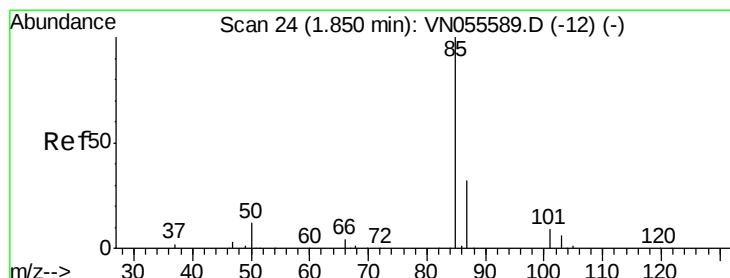
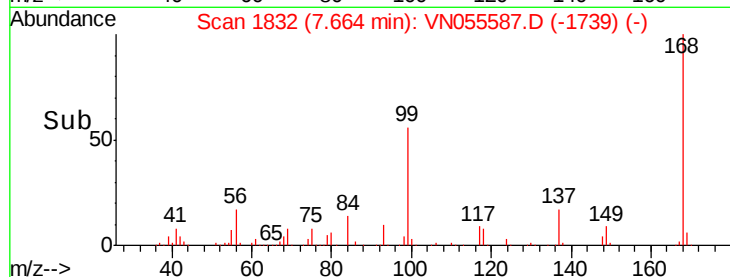
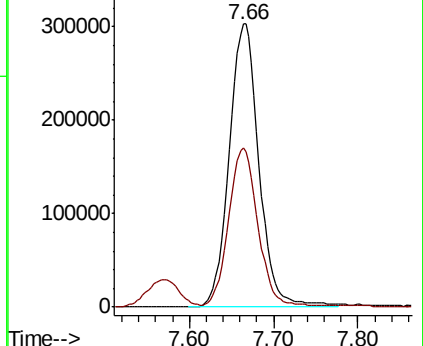
168 100

99 55.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 9.914 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055587.D

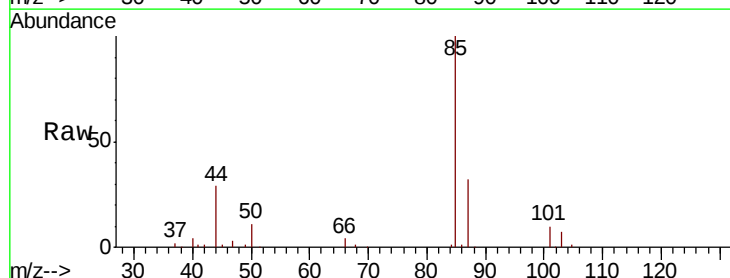
Acq: 14 May 2019 11:57

Tgt Ion: 85 Resp: 75427

Ion Ratio Lower Upper

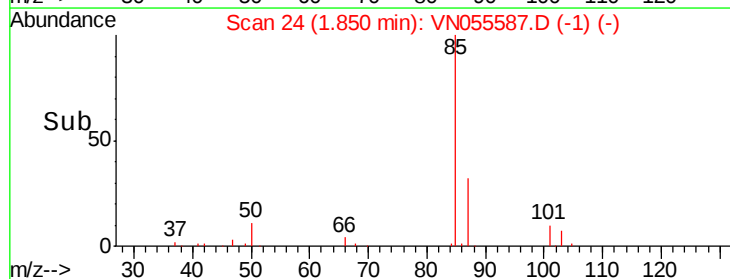
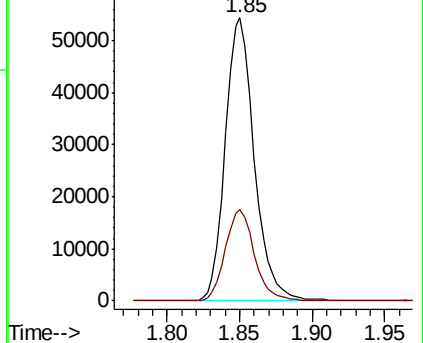
85 100

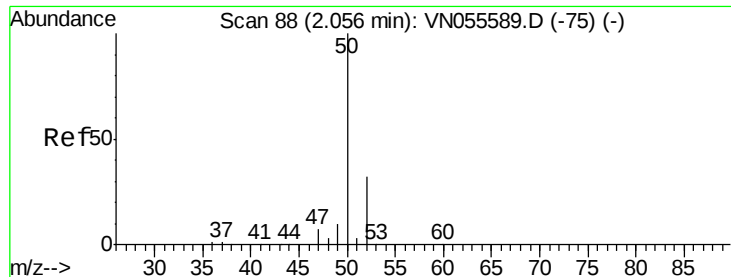
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 9.663 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

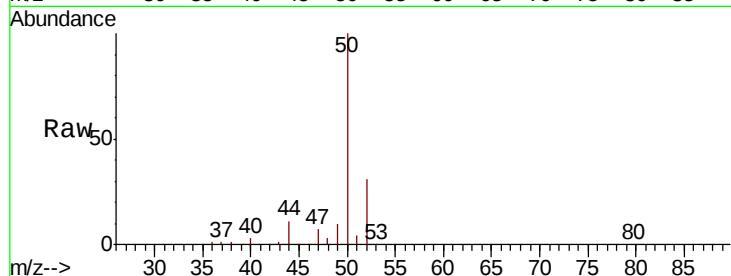
VSTDIC010

Tot Ion: 50 Resp: 118280

Ion Ratio Lower Upper

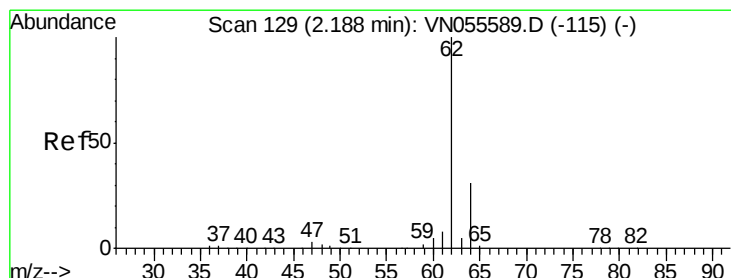
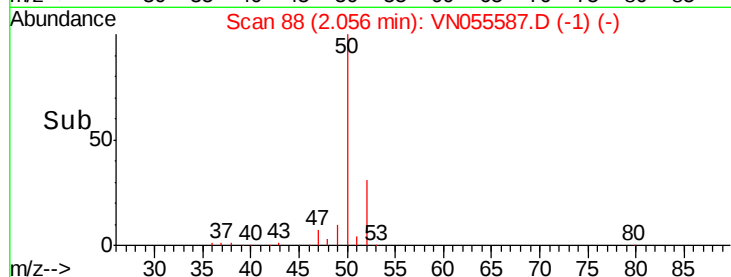
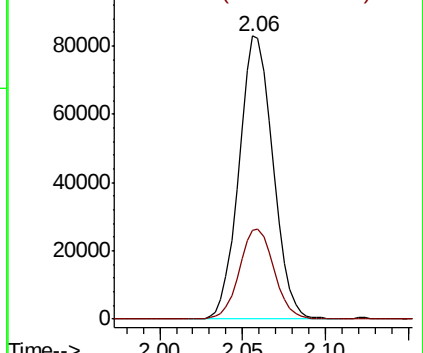
50 100

52 31.3 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 9.811 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055587.D

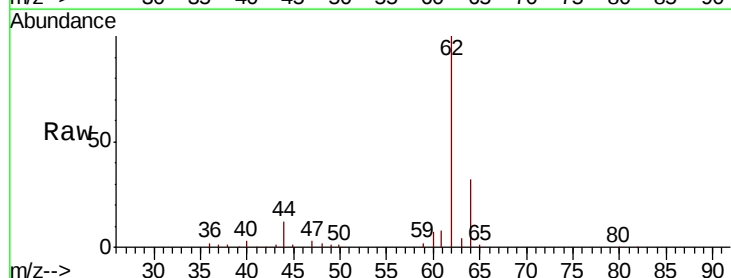
Acq: 14 May 2019 11:57

Tgt Ion: 62 Resp: 114191

Ion Ratio Lower Upper

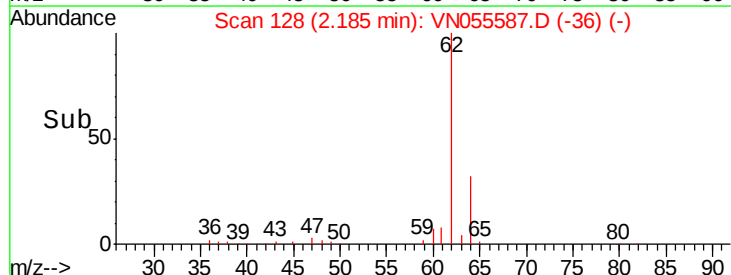
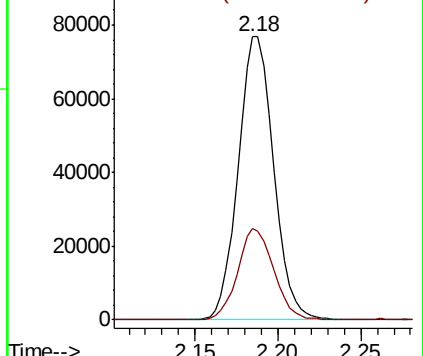
62 100

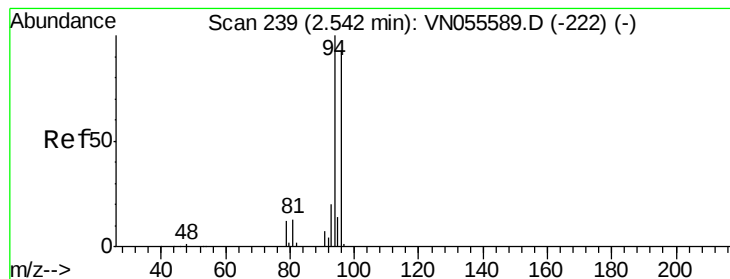
64 32.3 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 10.742 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

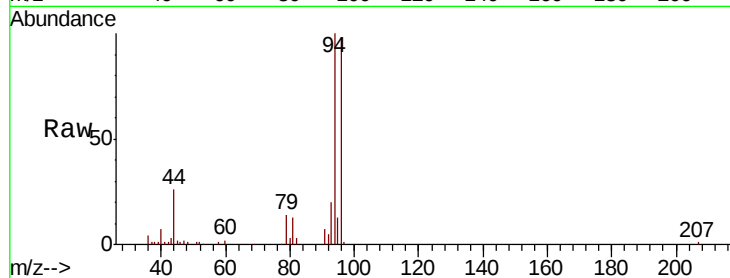
VSTDIC010

Tot Ion: 94 Resp: 69118

Ion Ratio Lower Upper

94 100

96 97.6 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN055587.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN055587.D (-146) (-)

2.55

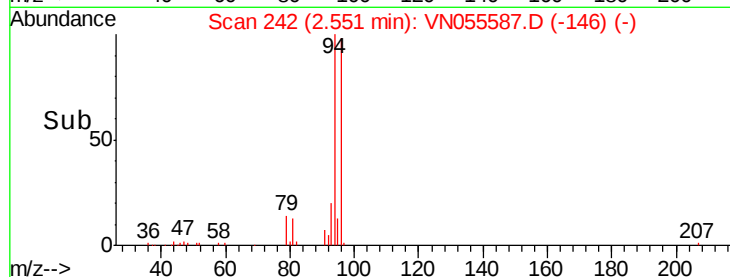
30000

20000

10000

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Time-->



40000

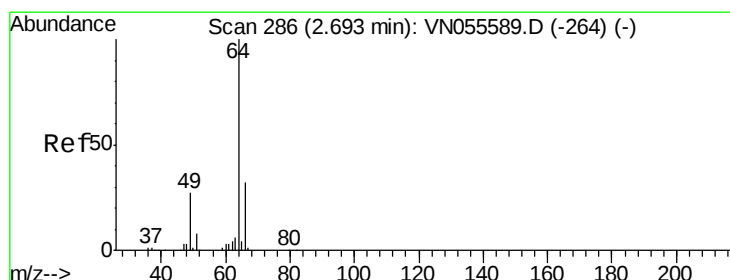
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 10.395 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN055587.D

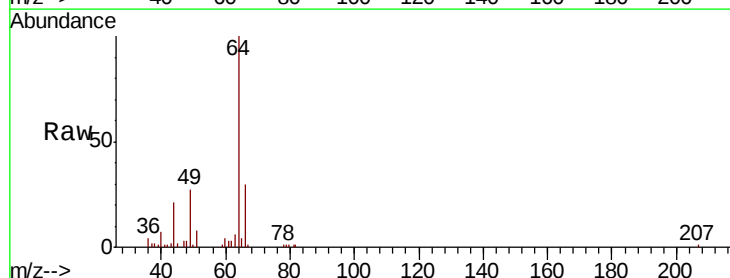
Acq: 14 May 2019 11:57

Tgt Ion: 64 Resp: 71112

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN055587.D (-193) (-)

Ion 65.90 (65.60 to 66.60): VN055587.D (-193) (-)

2.70

40000

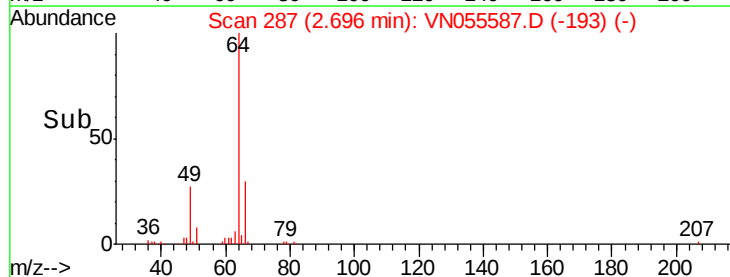
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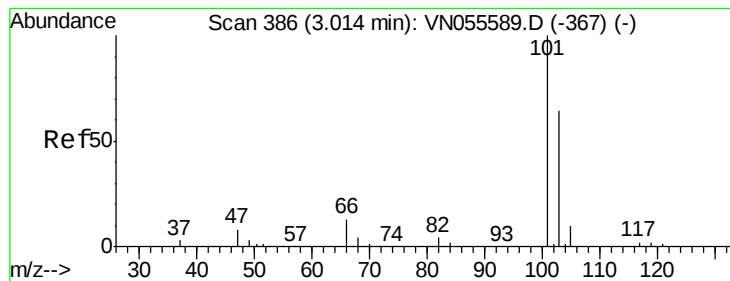
20000

10000

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Time-->



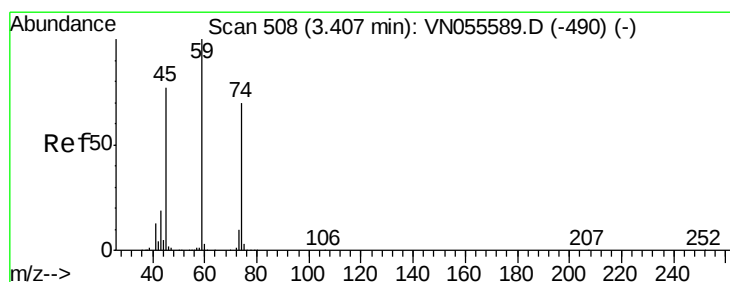
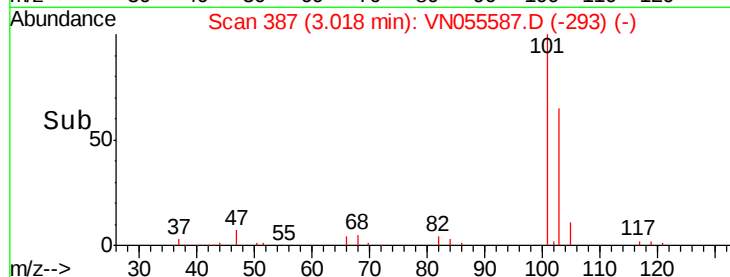
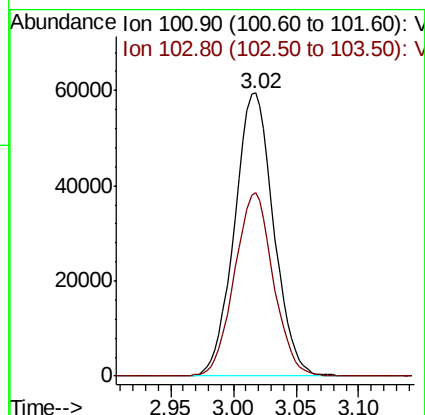
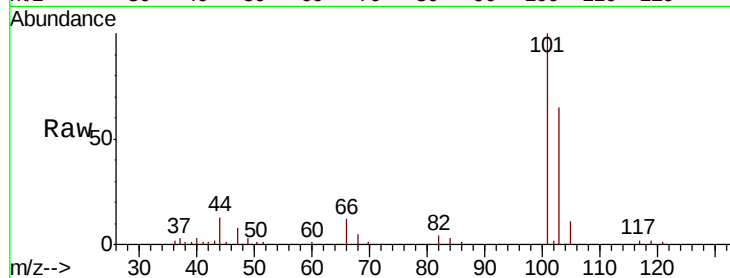


#7

Trichlorofluoromethane
 Concen: 10.081 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

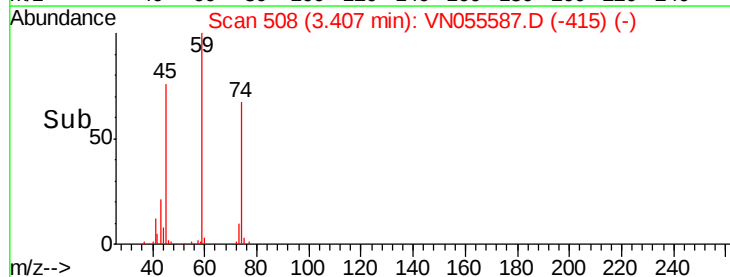
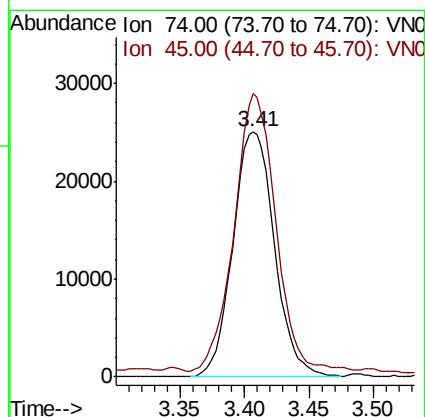
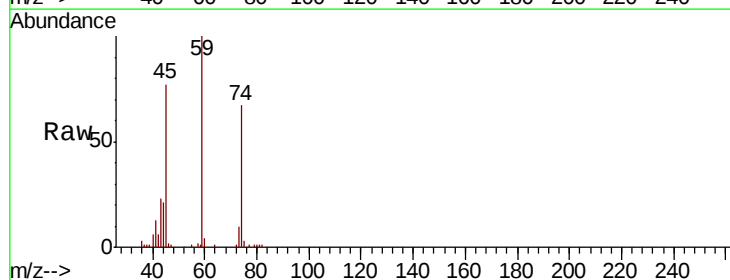
Tot Ion:101 Resp: 128852
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6

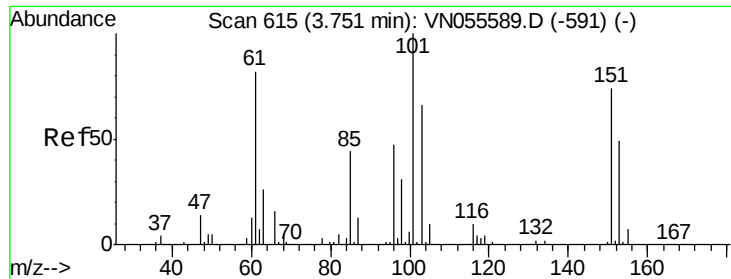


#8

Diethyl Ether
 Concen: 9.776 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion: 74 Resp: 56112
 Ion Ratio Lower Upper
 74 100
 45 113.0 54.9 164.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.871 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

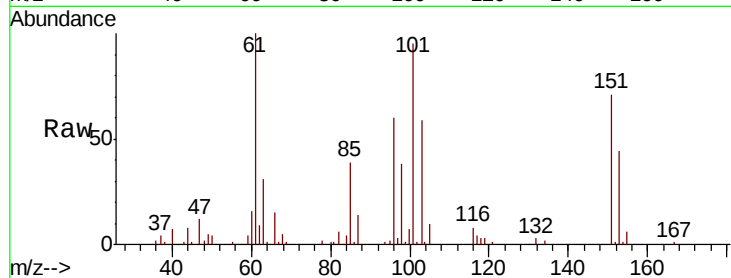
Tot Ion:101 Resp: 80310

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.2

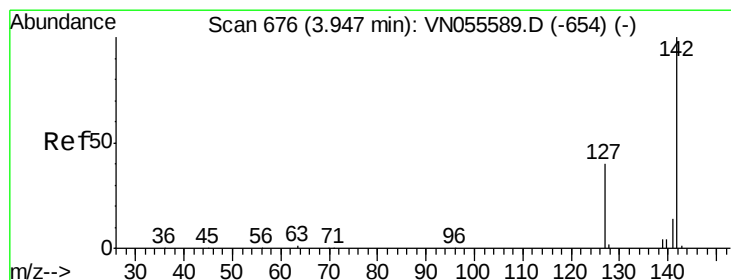
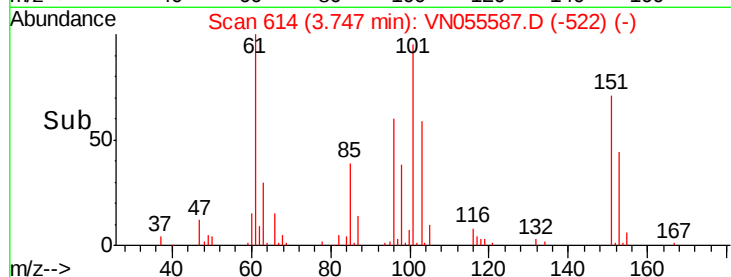
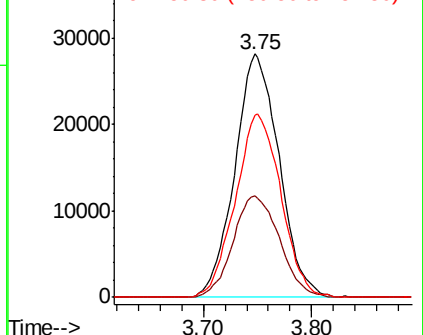
151 77.2 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 9.117 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

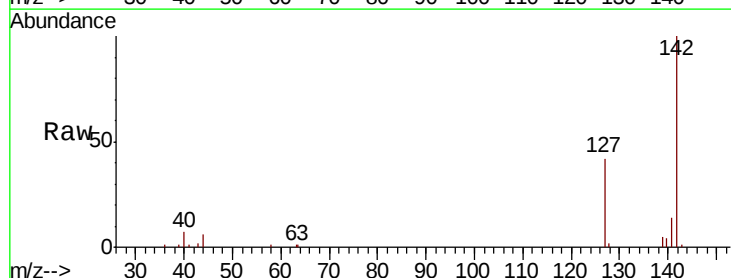
Tgt Ion:142 Resp: 99706

Ion Ratio Lower Upper

142 100

127 40.2 32.5 48.7

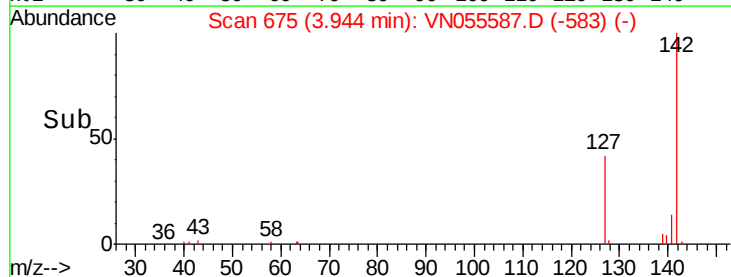
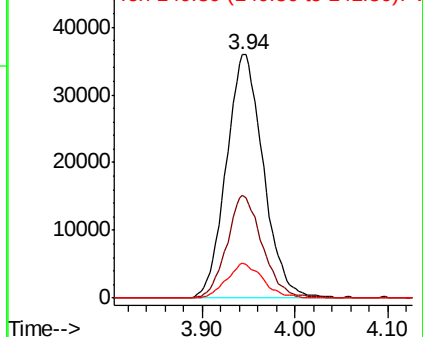
141 13.9 11.2 16.8

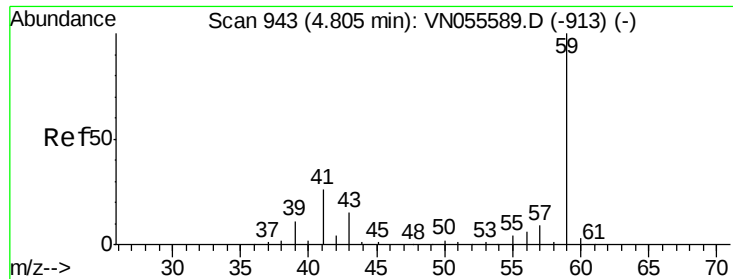


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

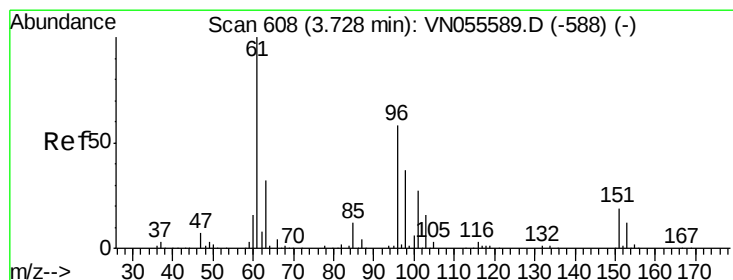
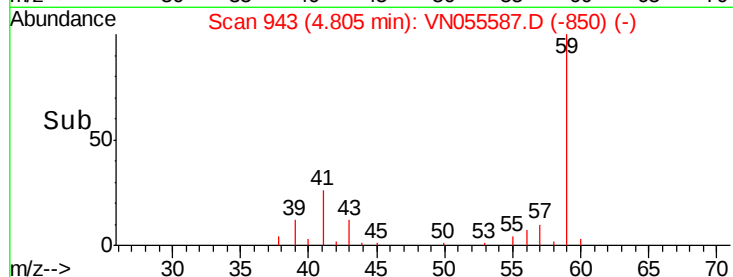
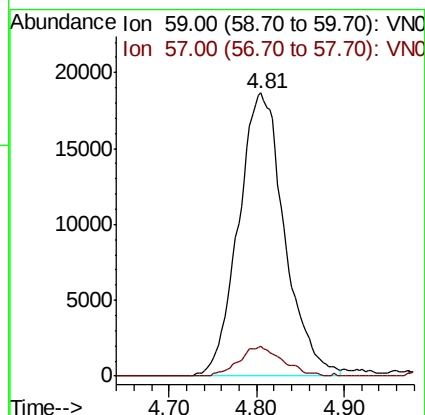
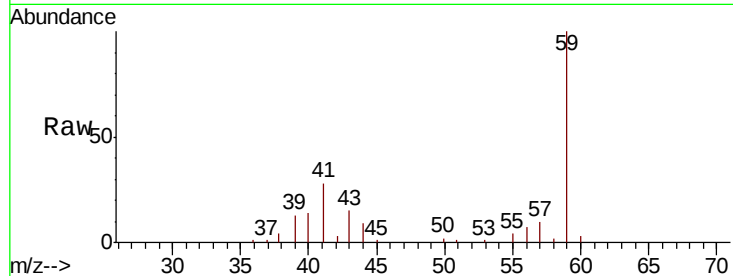




#11
Tert butyl alcohol
Concen: 42.808 ug/l
RT: 4.81 min Scan# 943
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

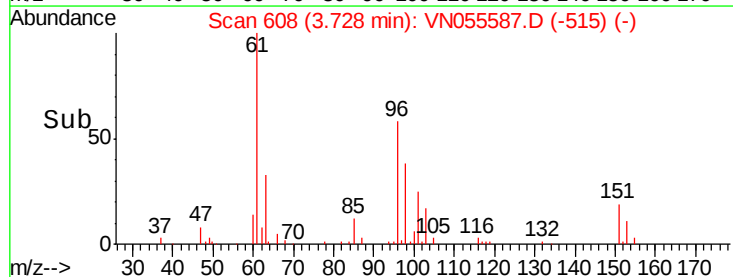
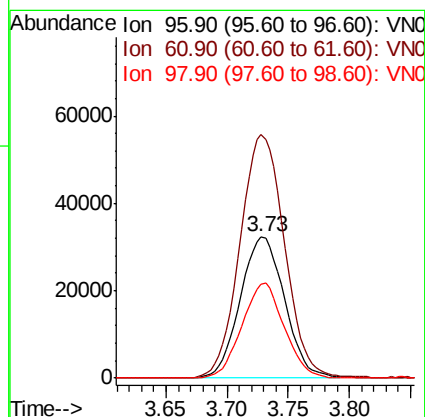
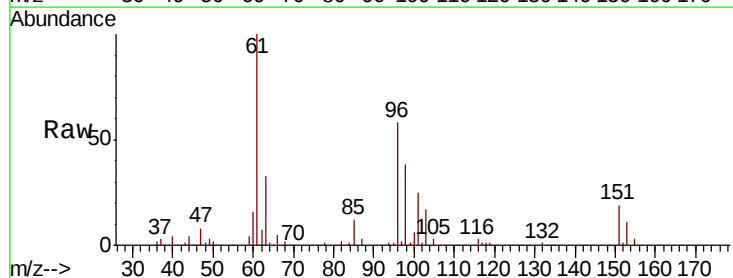
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

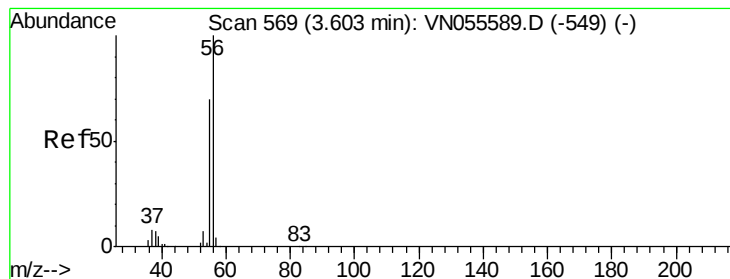
Tot Ion: 59 Resp: 68090
Ion Ratio Lower Upper
59 100
57 9.9 7.6 11.4



#12
1,1-Dichloroethene
Concen: 9.974 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 96 Resp: 81391
Ion Ratio Lower Upper
96 100
61 172.1 137.5 206.3
98 66.0 50.3 75.5





#13

Acrolein

Concen: 57.569 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

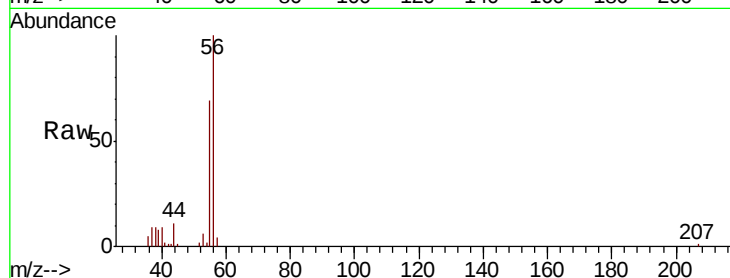
VSTDIC010

Tot Ion: 56 Resp: 65945

Ion Ratio Lower Upper

56 100

55 70.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

25000

20000

15000

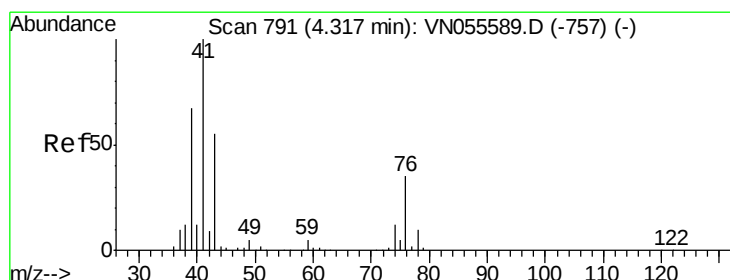
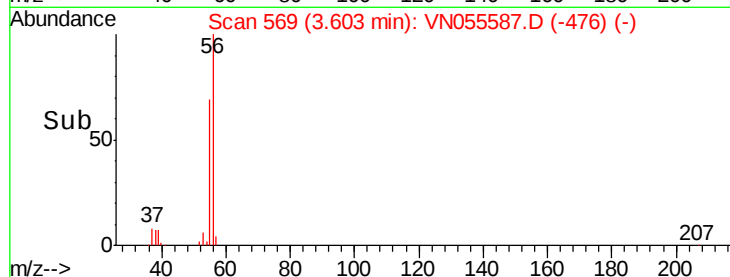
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 9.448 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

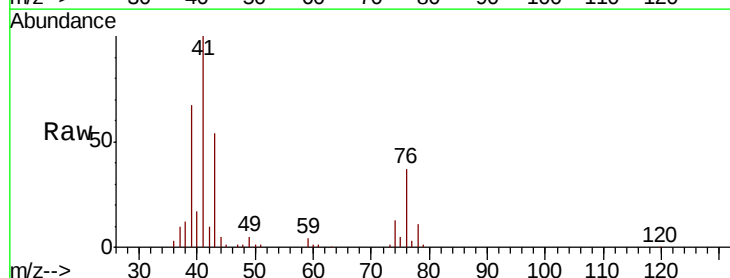
Tgt Ion: 41 Resp: 155895

Ion Ratio Lower Upper

41 100

39 59.2 49.3 73.9

76 31.1 24.7 37.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

60000

50000

40000

30000

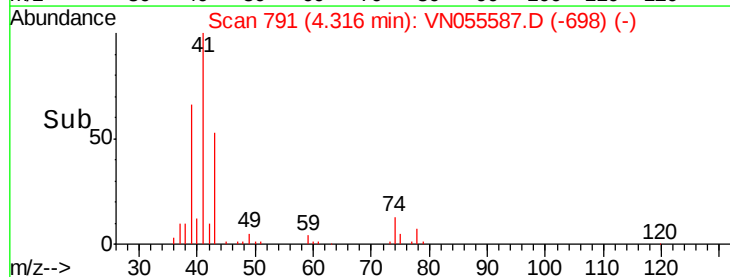
20000

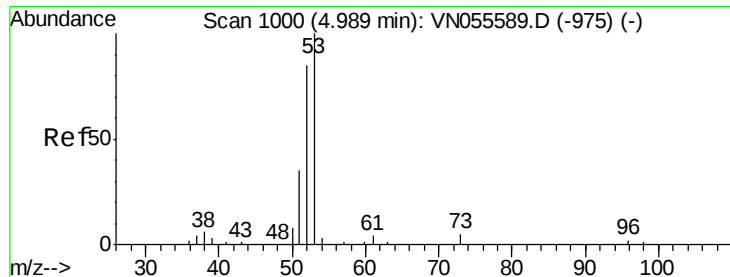
10000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 44.268 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

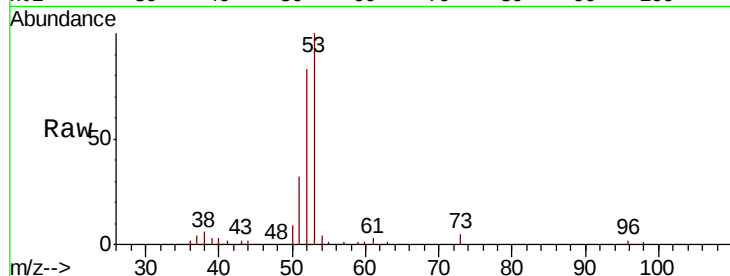
Tot Ion: 53 Resp: 222205

Ion Ratio Lower Upper

53 100

52 84.0 65.6 98.4

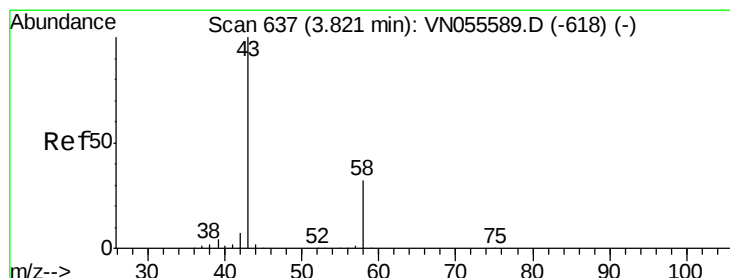
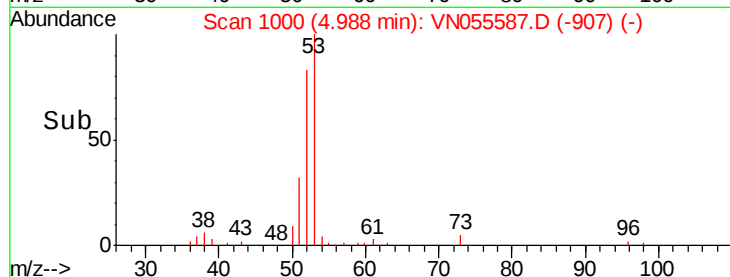
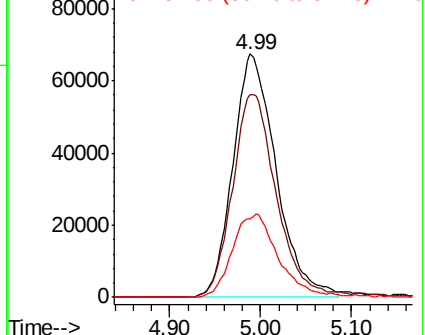
51 35.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 51.828 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055587.D

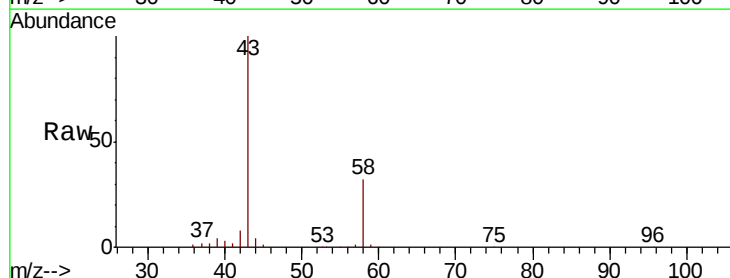
Acq: 14 May 2019 11:57

Tgt Ion: 43 Resp: 265905

Ion Ratio Lower Upper

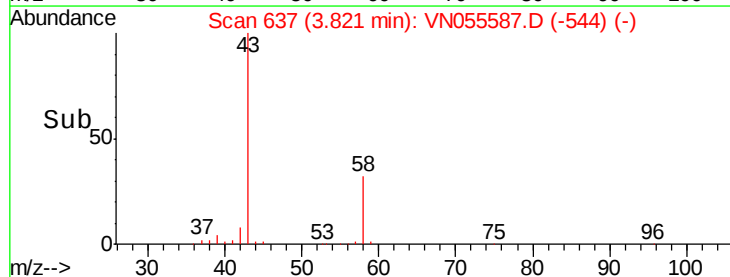
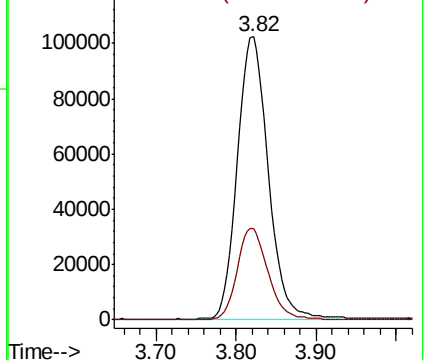
43 100

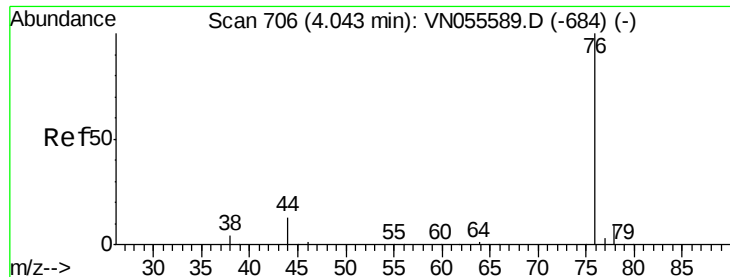
58 32.3 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

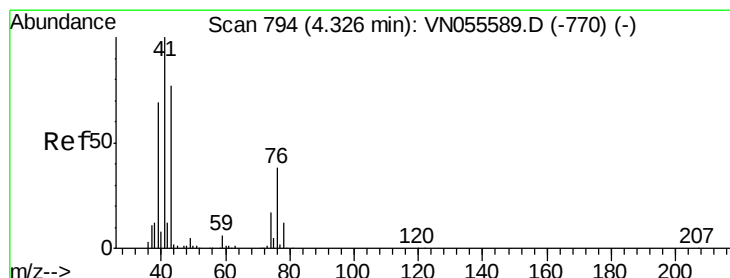
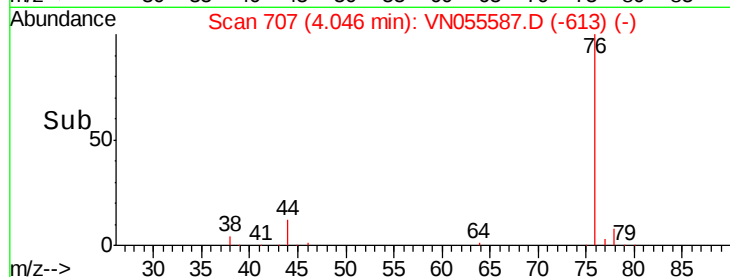
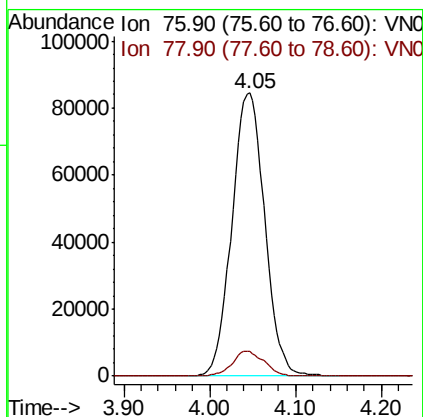
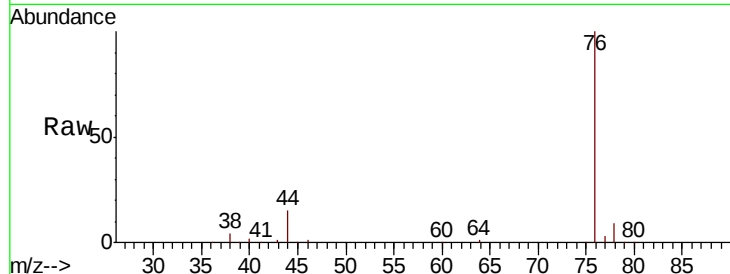




#17
Carbon Disulfide
Concen: 10.012 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

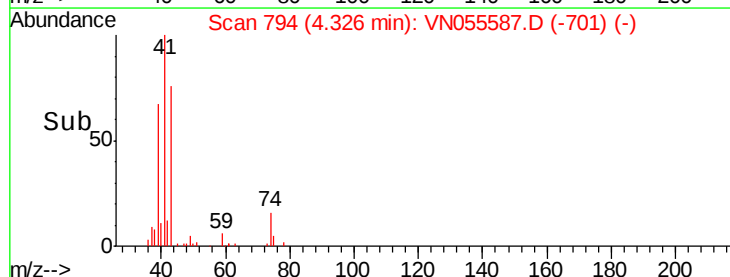
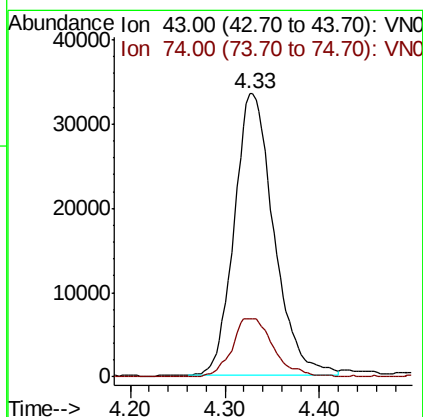
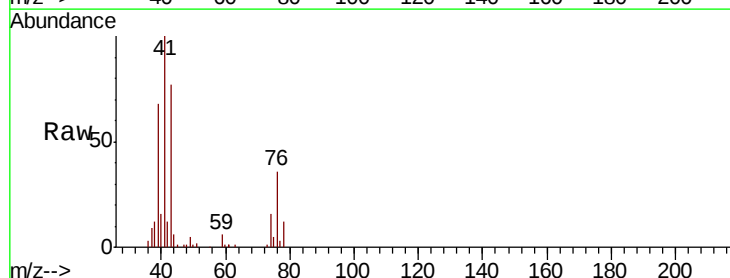
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

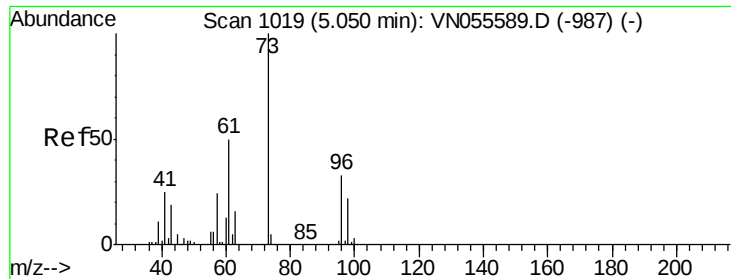
Tot Ion: 76 Resp: 224300
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 7.771 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 43 Resp: 97416
Ion Ratio Lower Upper
43 100
74 21.5 17.4 26.2

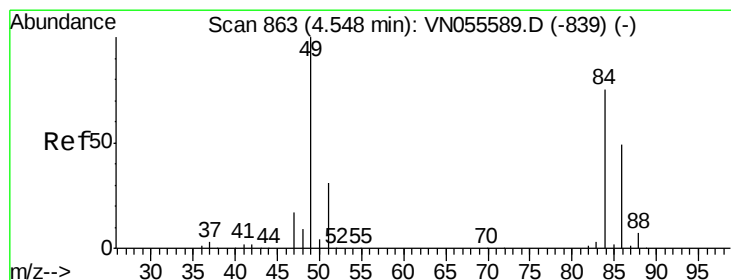
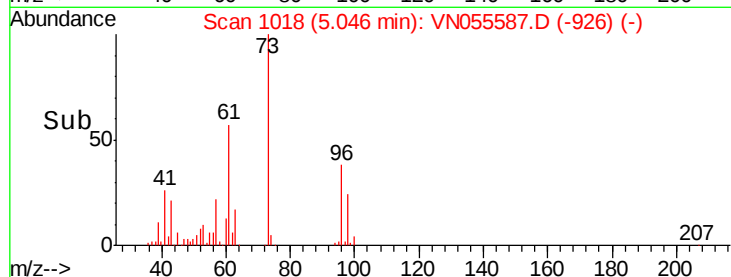
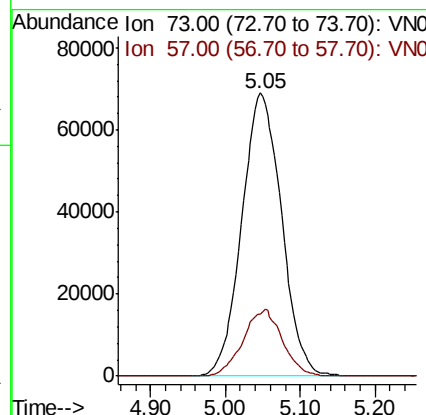
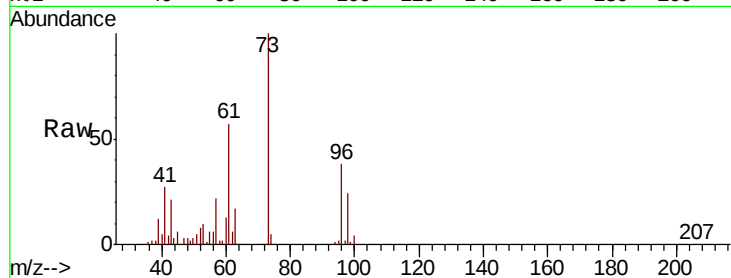




#19
Methyl tert-butyl Ether
Concen: 9.493 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

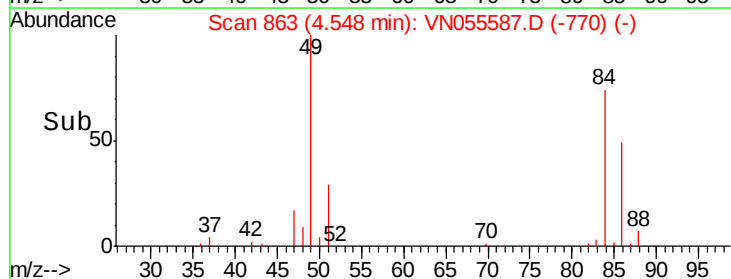
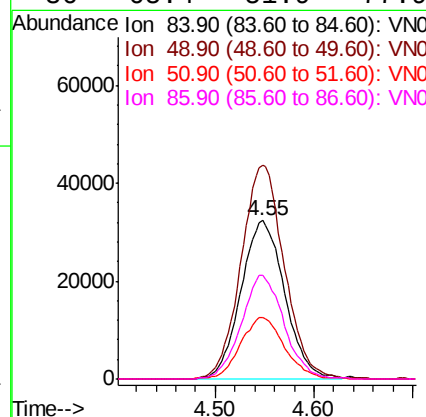
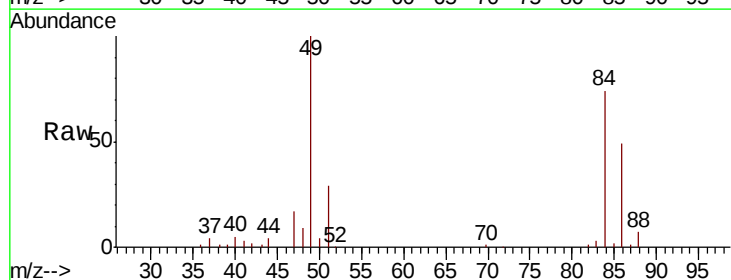
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

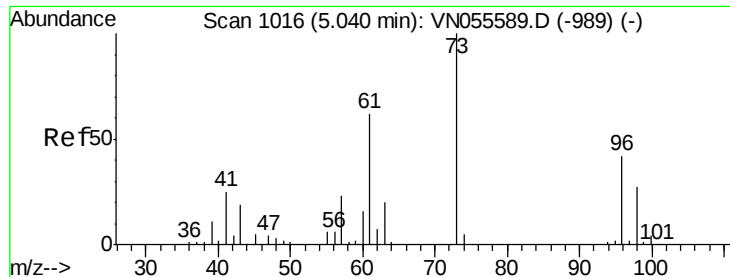
Tot Ion: 73 Resp: 254451
Ion Ratio Lower Upper
73 100
57 22.1 18.9 28.3



#20
Methylene Chloride
Concen: 9.428 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 84 Resp: 99650
Ion Ratio Lower Upper
84 100
49 134.6 106.2 159.2
51 38.7 32.7 49.1
86 65.4 51.9 77.9

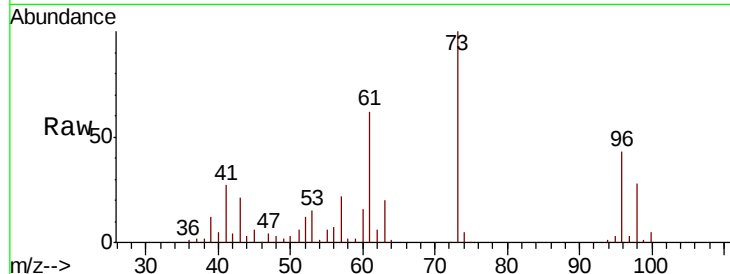




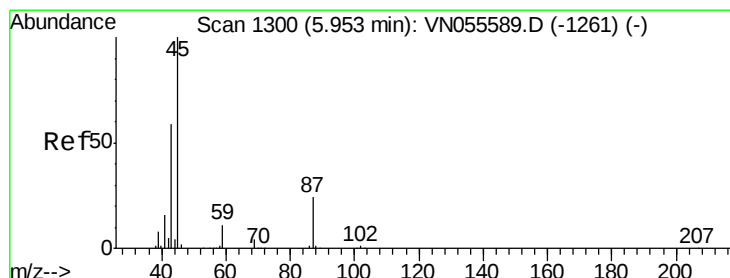
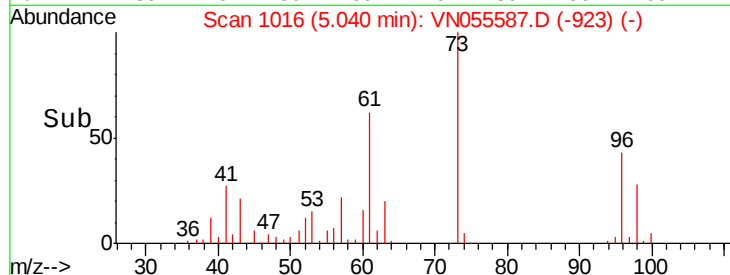
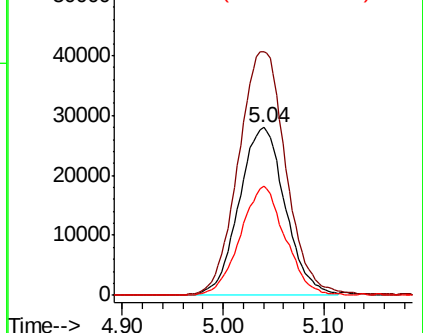
#21
trans-1,2-Dichloroethene
Concen: 10.038 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion: 96 Resp: 88945
Ion Ratio Lower Upper
96 100
61 144.5 117.8 176.6
98 64.8 51.4 77.2

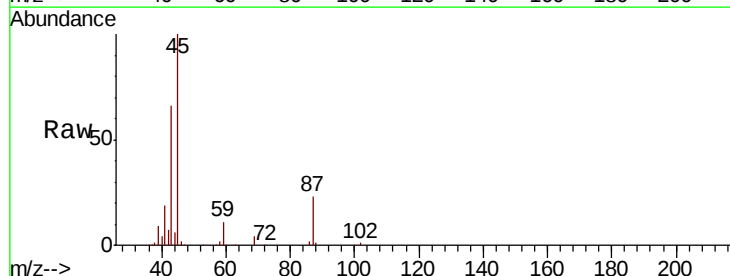


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

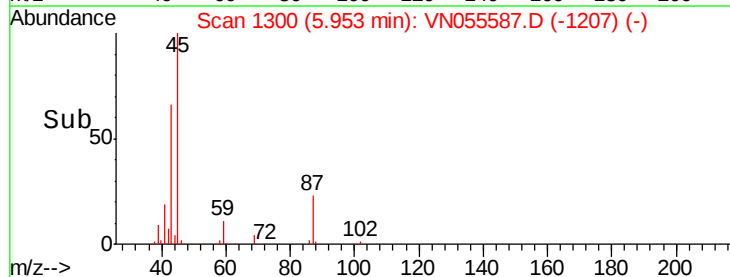
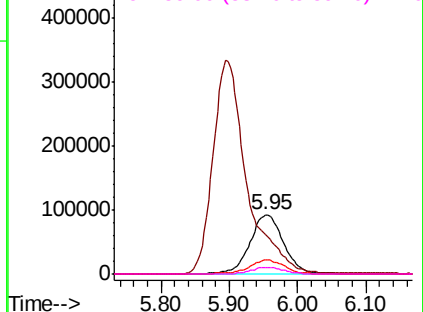


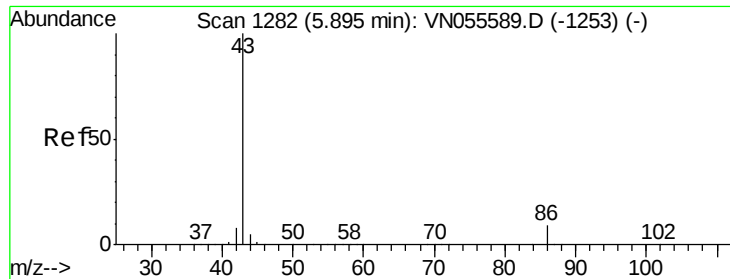
#22
Diisopropyl ether
Concen: 9.505 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 45 Resp: 318229
Ion Ratio Lower Upper
45 100
43 64.4 47.1 70.7
87 23.2 19.5 29.3
59 10.6 9.0 13.4



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

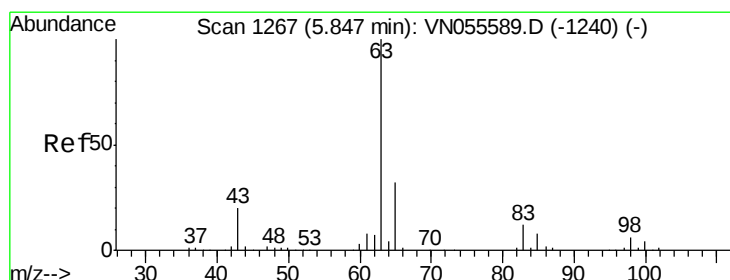
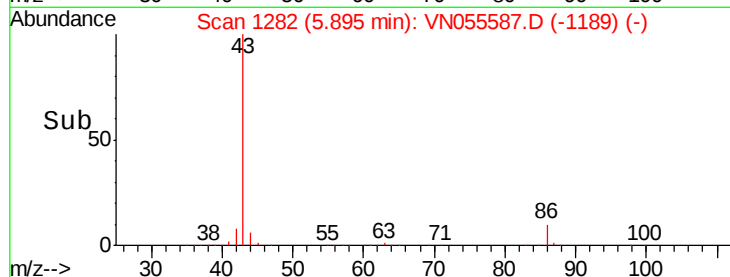
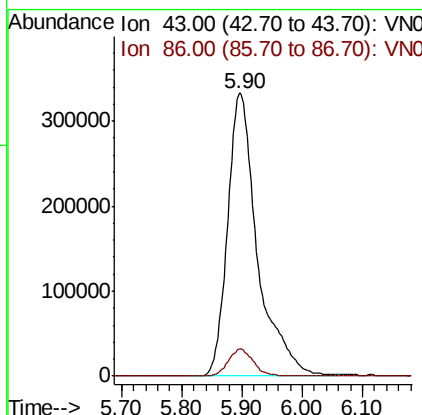
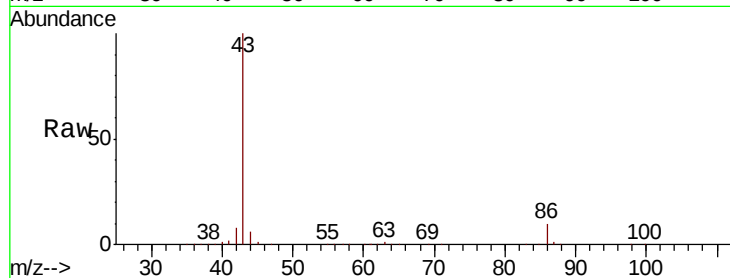




#23
 Vinyl Acetate
 Concen: 44.626 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

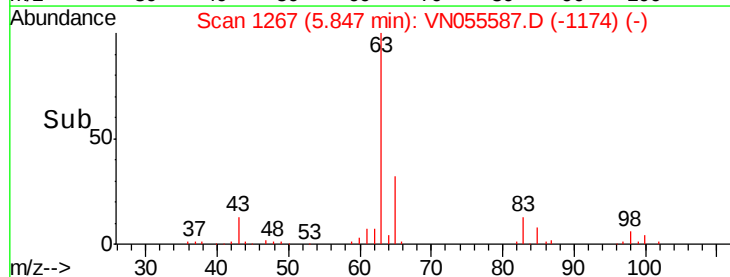
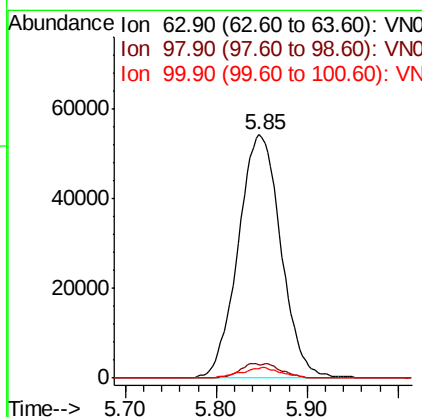
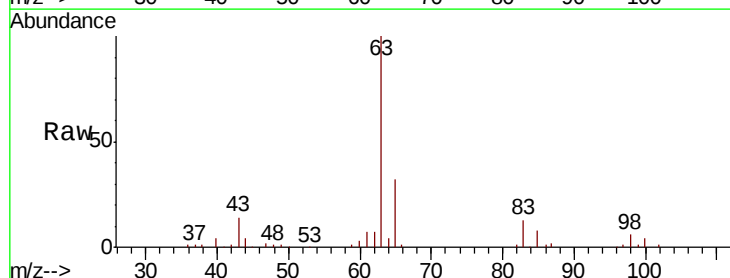
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

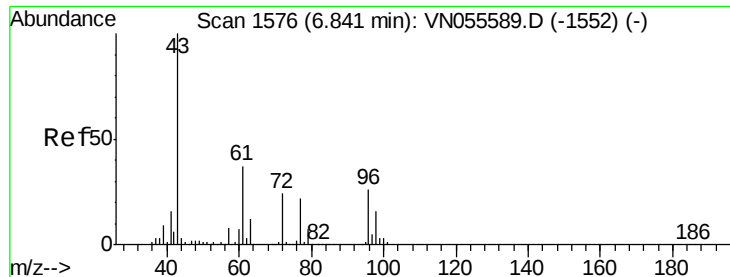
Tot Ion: 43 Resp: 1149837
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 9.692 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion: 63 Resp: 176585
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 4.0 2.1 6.3

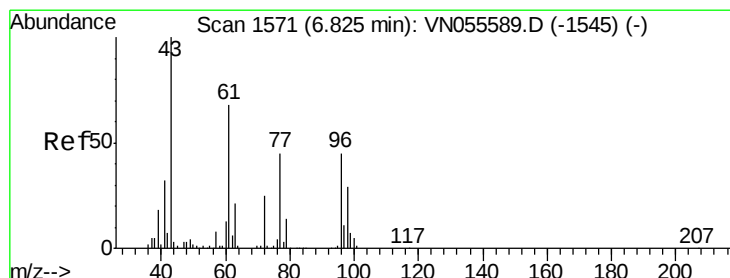
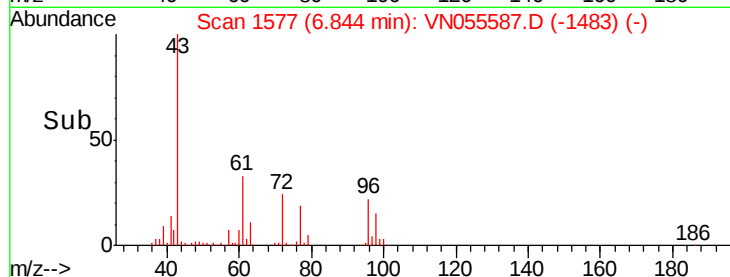
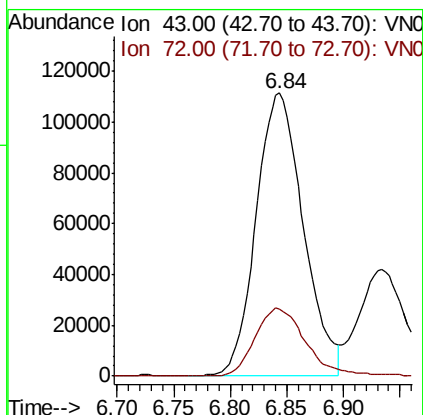
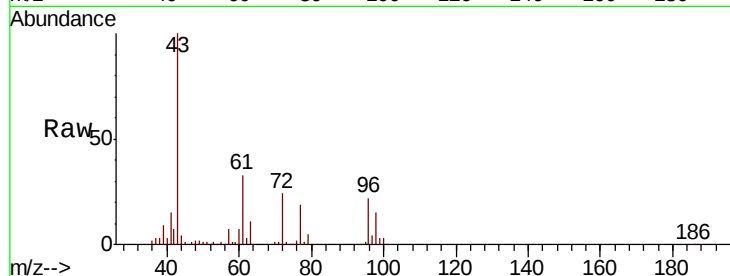




#25
2-Butanone
Concen: 45.905 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

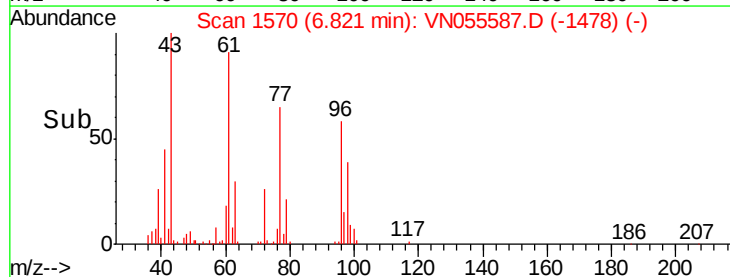
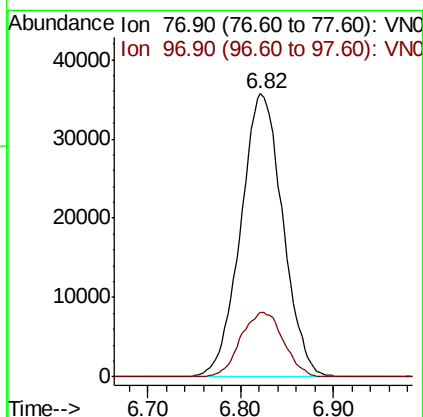
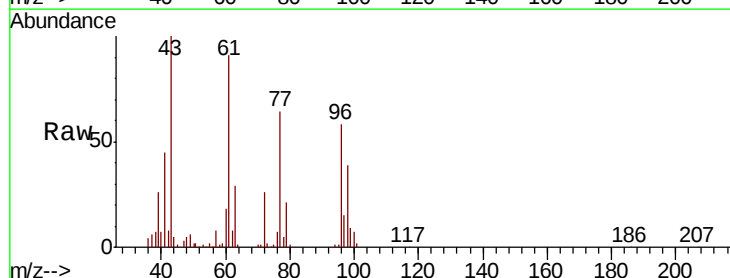
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

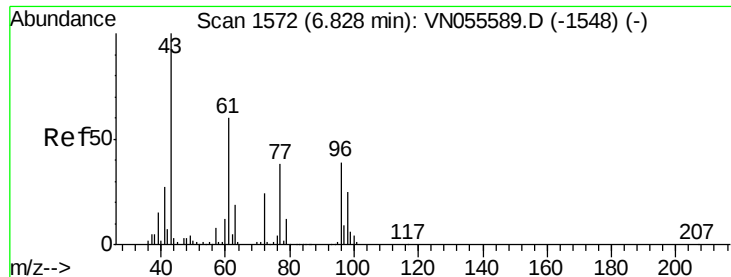
Tot Ion: 43 Resp: 320734
Ion Ratio Lower Upper
43 100
72 23.6 19.5 29.3



#26
2,2-Dichloropropane
Concen: 9.917 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 77 Resp: 112487
Ion Ratio Lower Upper
77 100
97 23.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 9.892 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

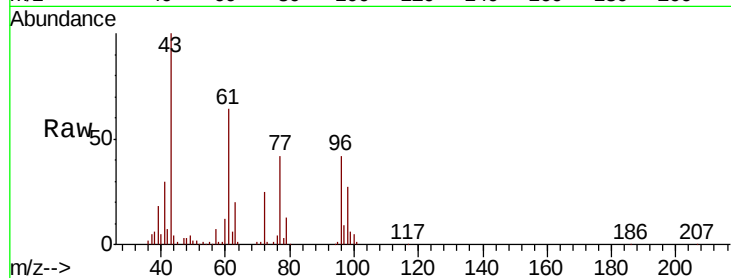
Tot Ion: 96 Resp: 100764

Ion Ratio Lower Upper

96 100

61 153.0 0.0 305.0

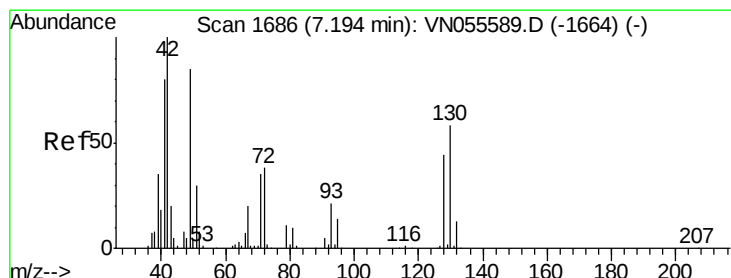
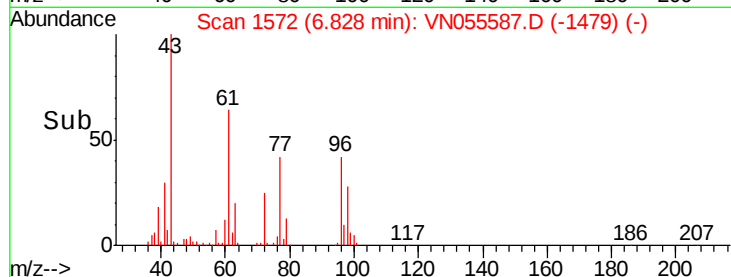
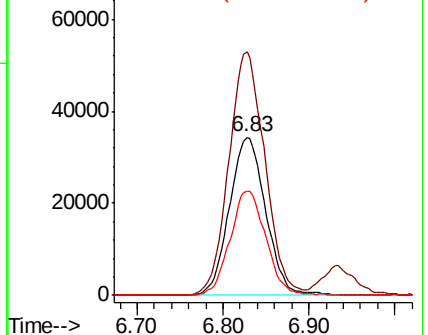
98 65.1 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 9.514 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

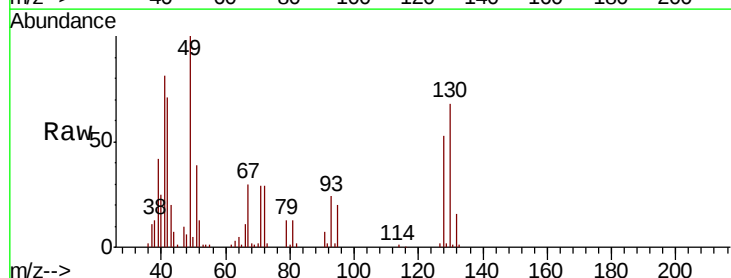
Tgt Ion: 49 Resp: 88678

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.6

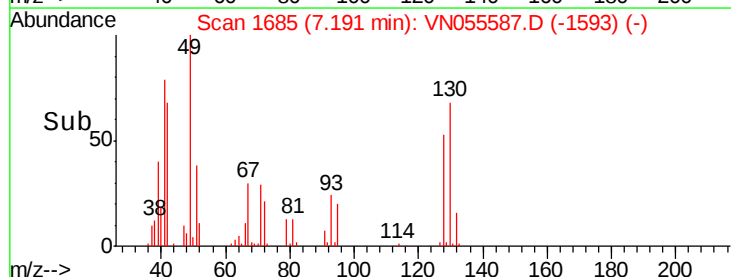
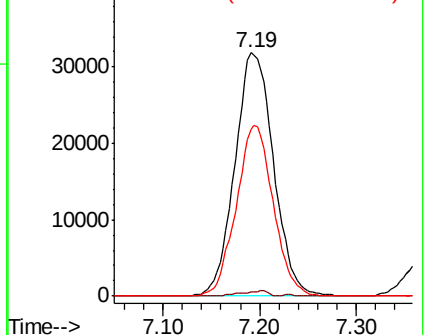
130 66.9 52.4 78.6

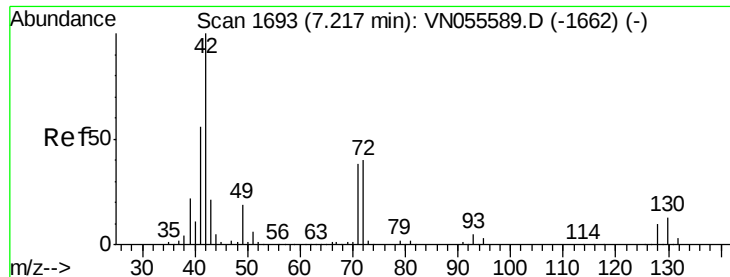


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

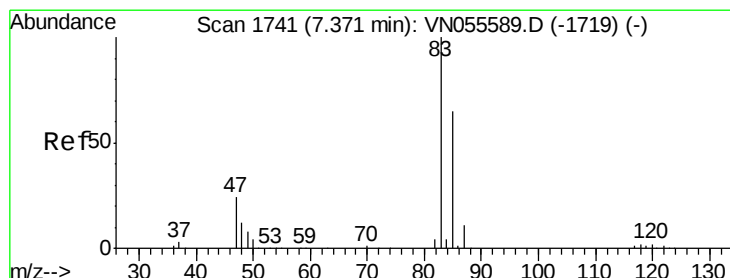
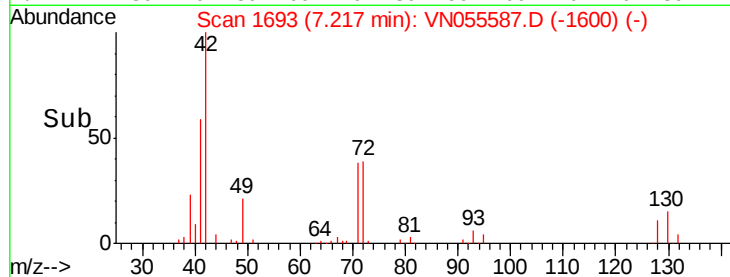
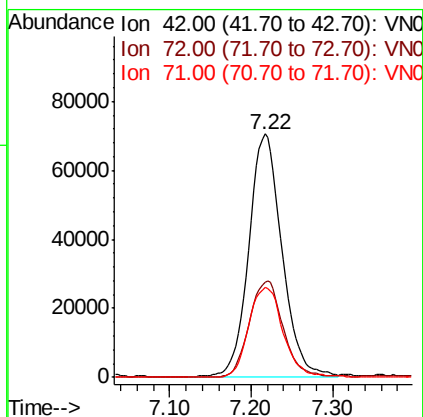
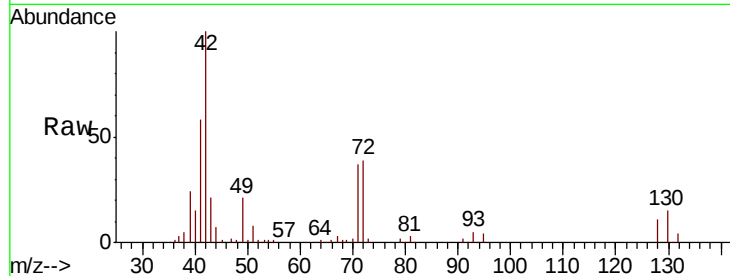




#29
Tetrahydrofuran
Concen: 42.652 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

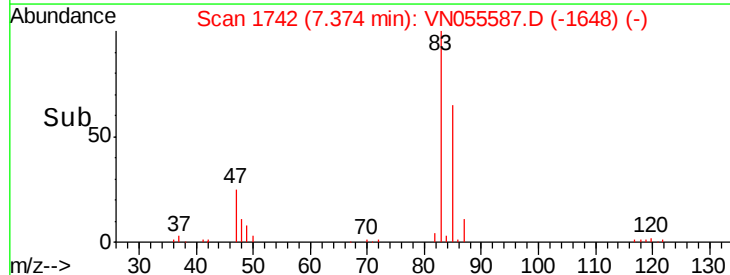
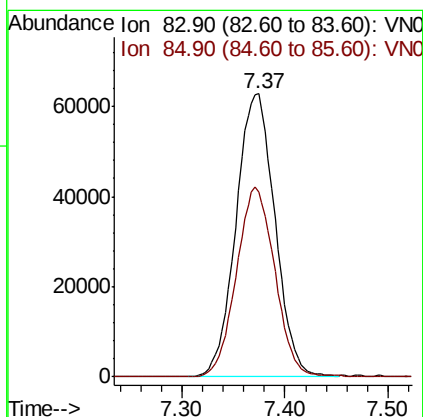
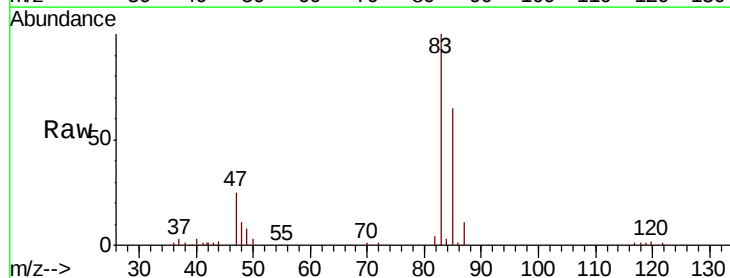
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

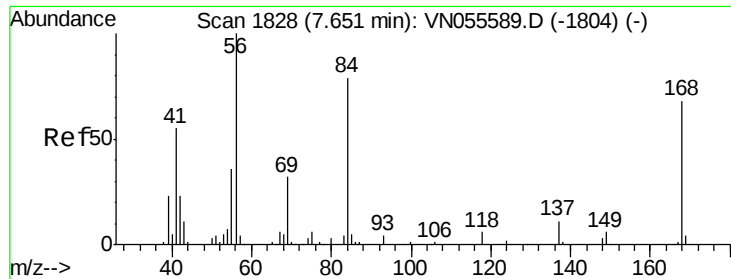
Tot Ion: 42 Resp: 197180
Ion Ratio Lower Upper
42 100
72 40.4 31.4 47.2
71 38.4 29.9 44.9



#30
Chloroform
Concen: 9.823 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 83 Resp: 165250
Ion Ratio Lower Upper
83 100
85 65.4 51.9 77.9

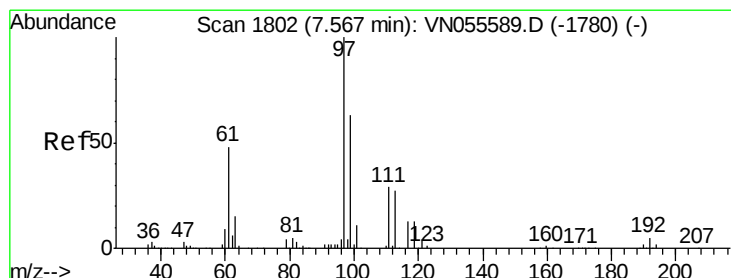
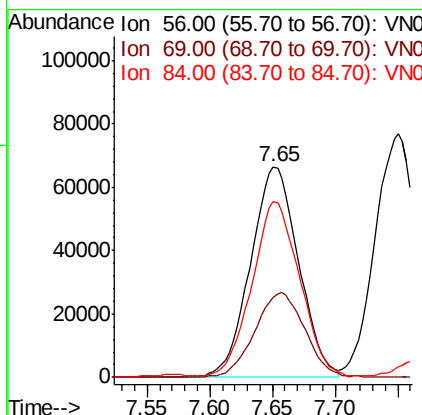
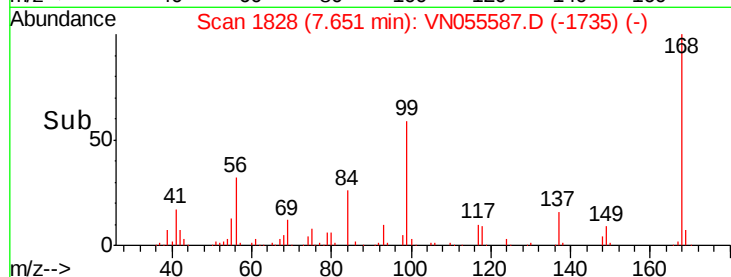
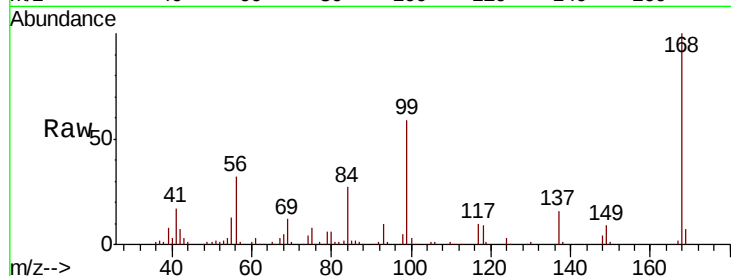




#31
Cyclohexane
Concen: 9.796 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

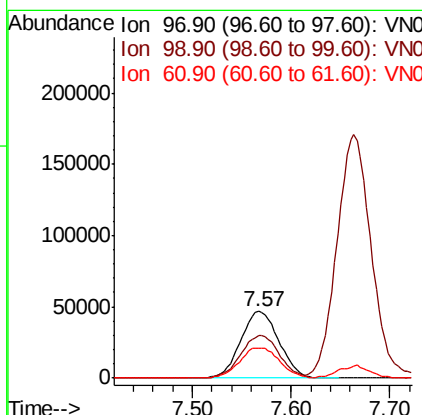
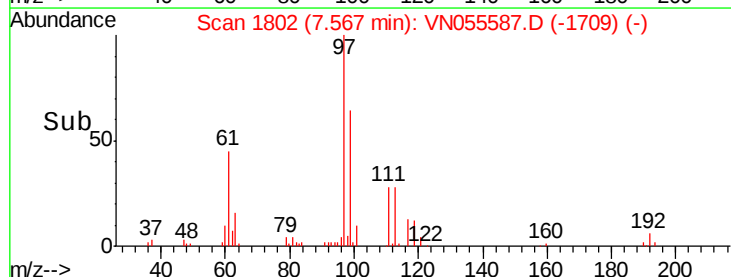
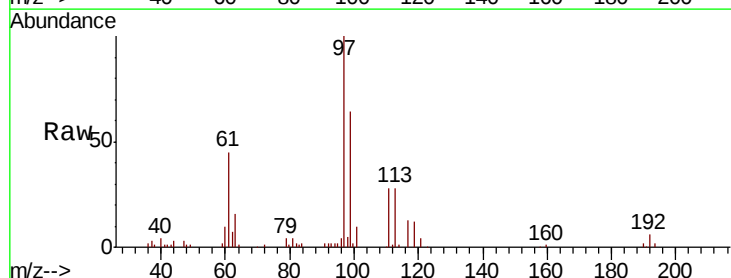
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

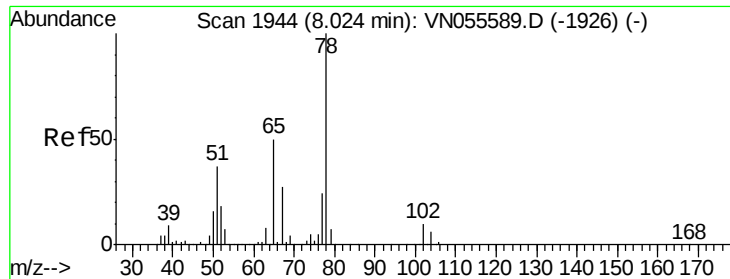
Tot Ion: 56 Resp: 176706
Ion Ratio Lower Upper
56 100
69 37.9 25.7 38.5
84 82.4 63.4 95.0



#32
1,1,1-Trichloroethane
Concen: 9.791 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 97 Resp: 125857
Ion Ratio Lower Upper
97 100
99 64.2 50.8 76.2
61 47.6 38.7 58.1

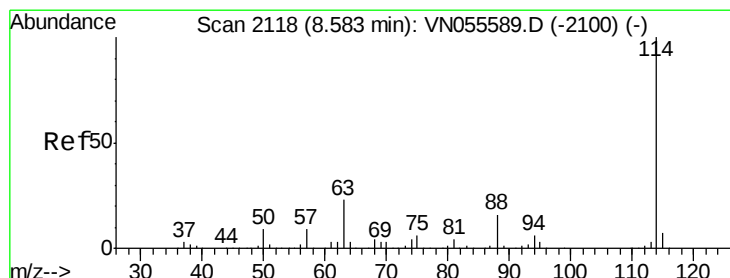
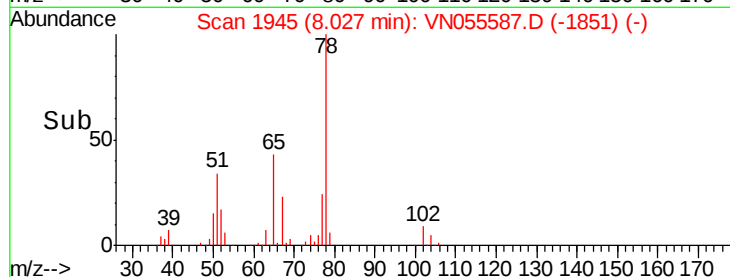
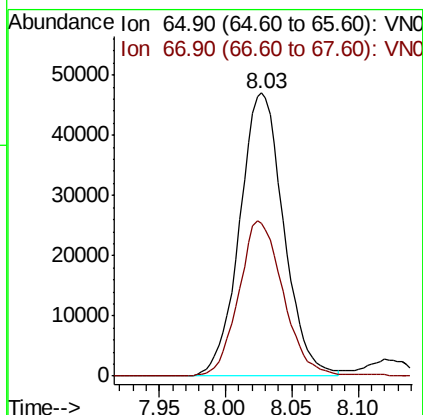
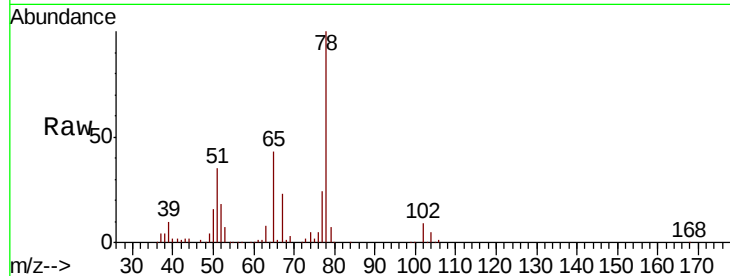




#33
 1,2-Dichloroethane-d4
 Concen: 9.740 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

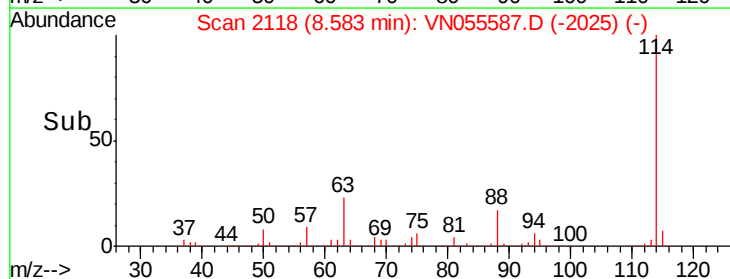
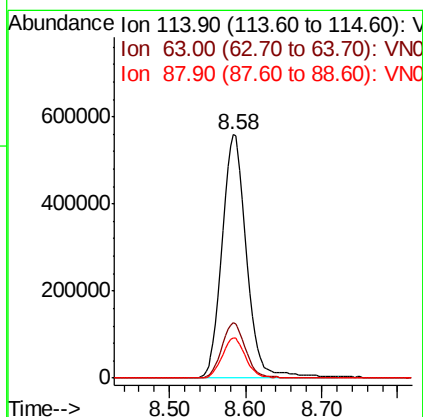
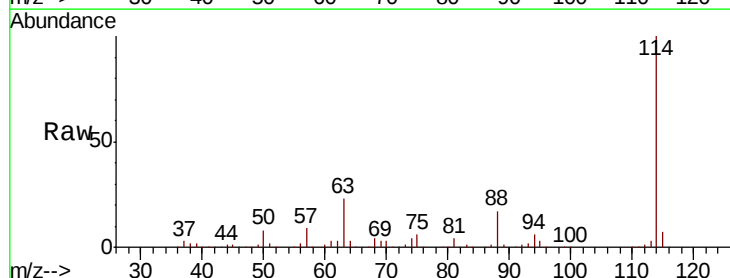
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

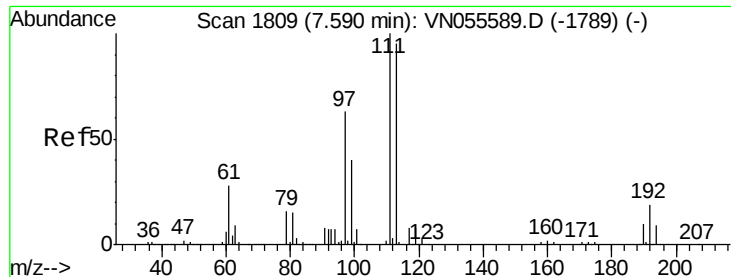
Tot Ion: 65 Resp: 108448
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion: 114 Resp: 1260710
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.8
 88 16.5 0.0 32.6

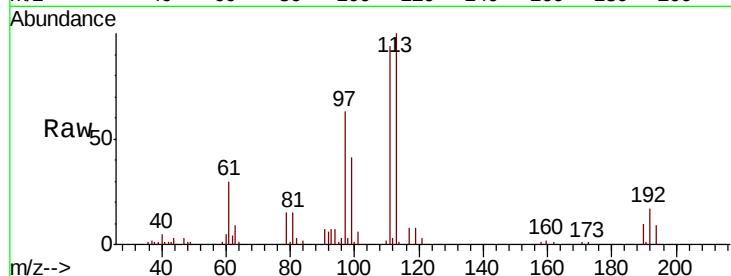




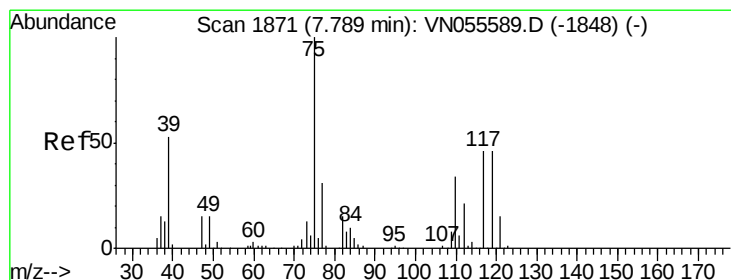
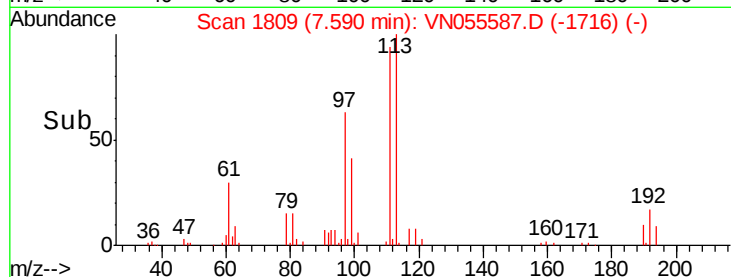
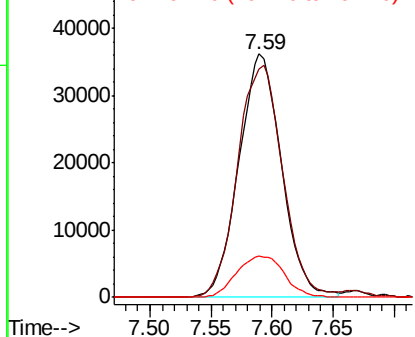
#35
Dibromofluoromethane
Concen: 10.742 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:113 Resp: 87460
Ion Ratio Lower Upper
113 100
111 100.2 83.5 125.3
192 18.8 16.0 24.0

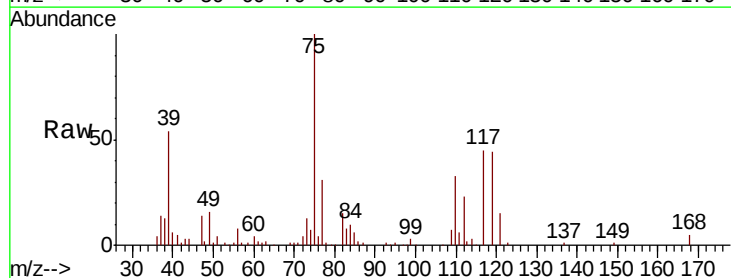


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

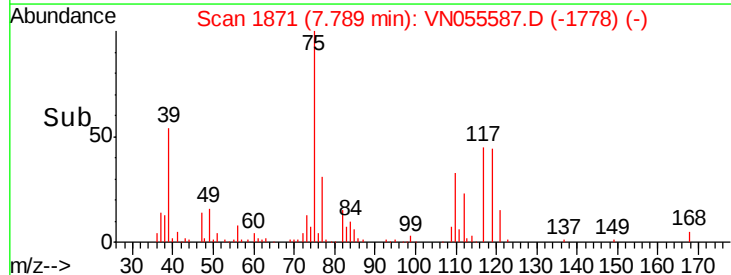
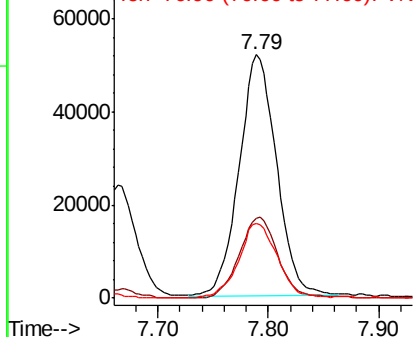


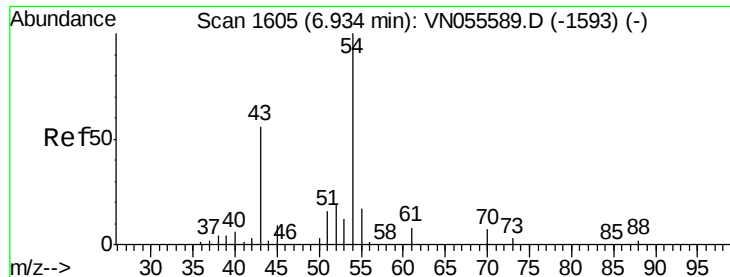
#36
1,1-Dichloropropene
Concen: 9.837 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 75 Resp: 121530
Ion Ratio Lower Upper
75 100
110 35.1 16.9 50.7
77 32.3 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

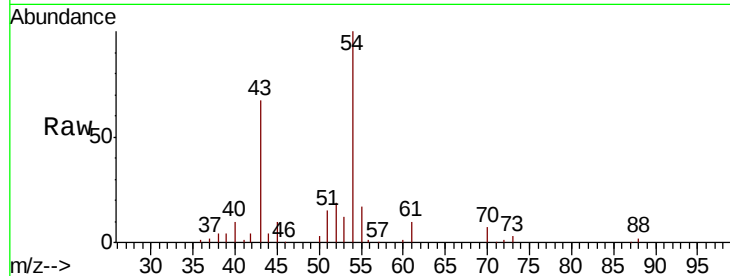




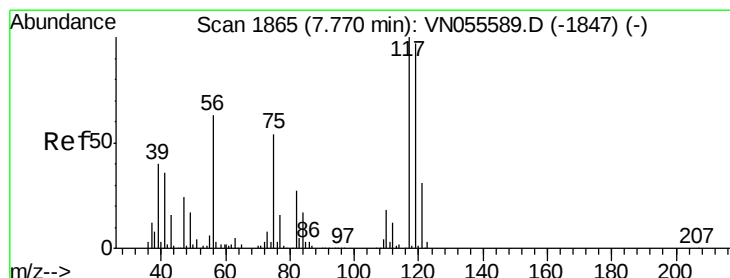
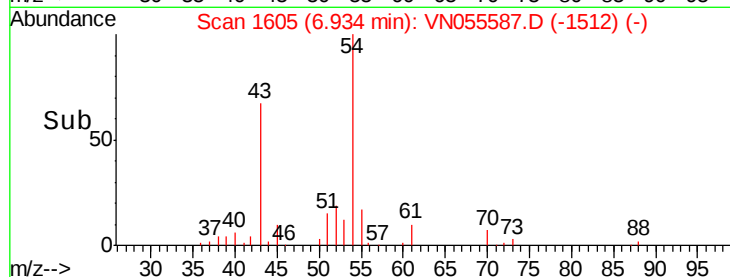
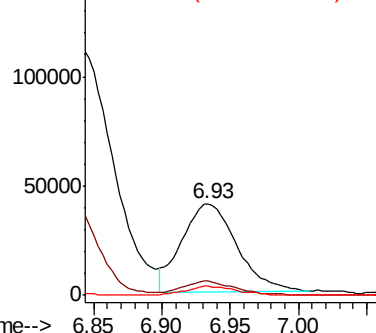
#37
Ethyl Acetate
Concen: 8.565 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 113172
Ion Ratio Lower Upper
43 100
61 15.4 10.8 16.2
70 9.9 7.4 11.2

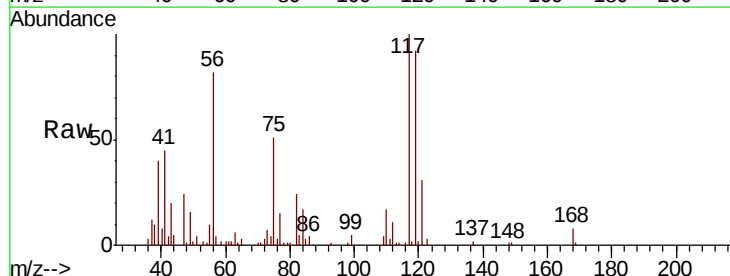


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

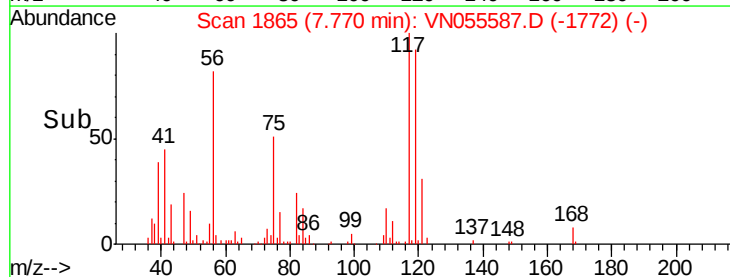
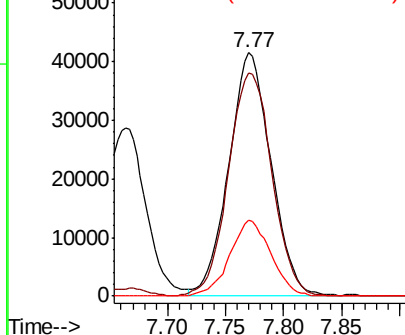


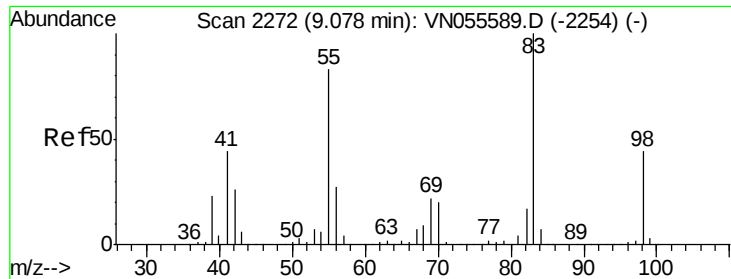
#38
Carbon Tetrachloride
Concen: 10.066 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 117 Resp: 105314
Ion Ratio Lower Upper
117 100
119 91.5 77.1 115.7
121 31.1 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

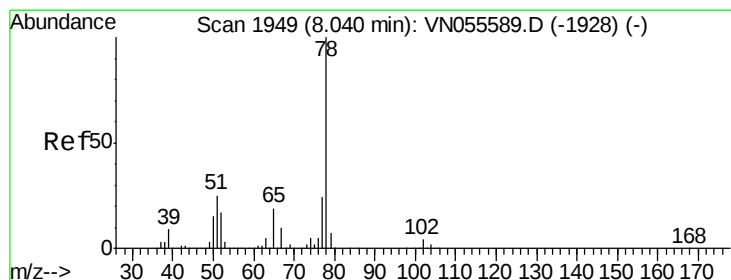
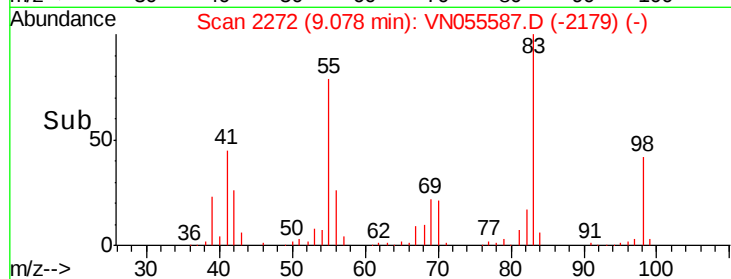
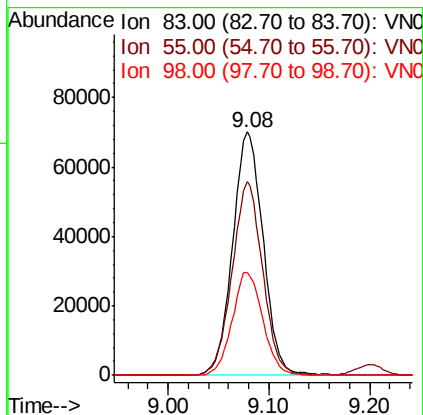
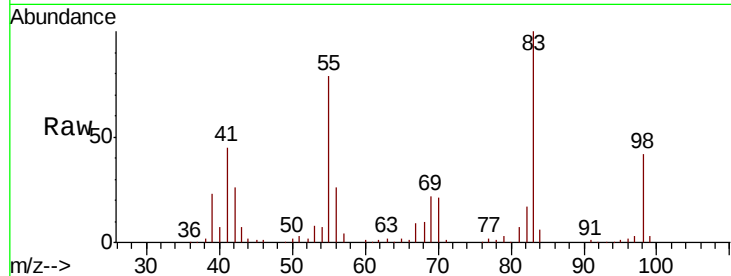




#39
Methvlcvclohexane
Concen: 9.764 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

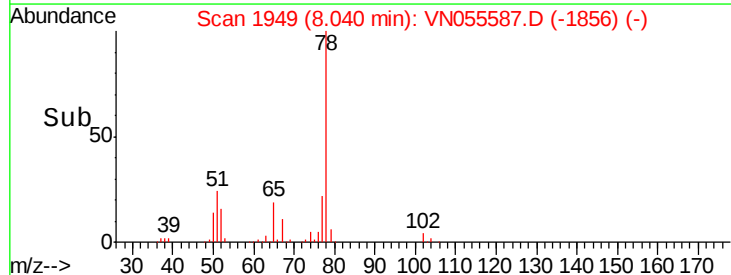
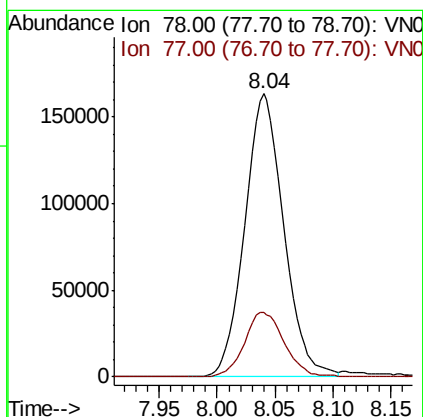
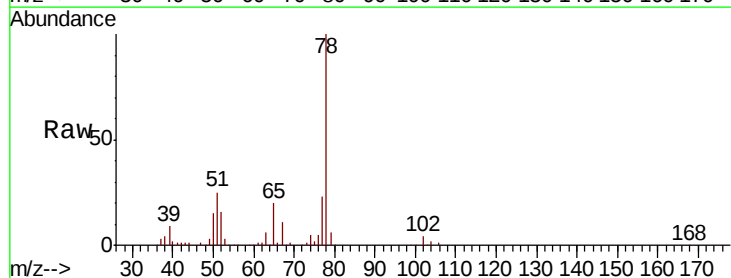
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

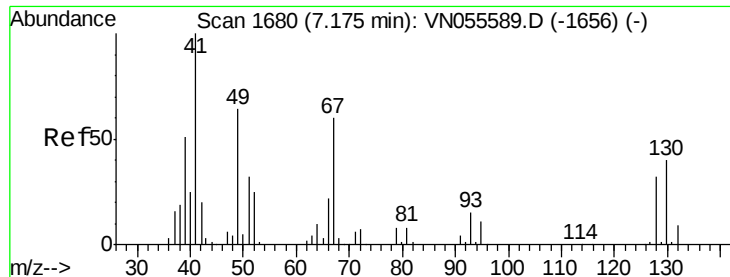
Tot Ion: 83 Resp: 146983
Ion Ratio Lower Upper
83 100
55 79.4 66.3 99.5
98 42.5 34.8 52.2



#40
Benzene
Concen: 9.982 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 78 Resp: 382309
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3

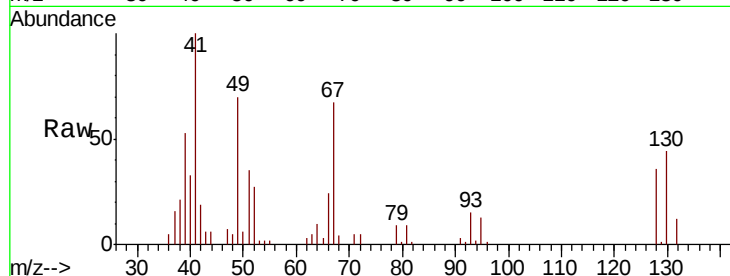




#41
Methacrylonitrile
Concen: 8.903 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	54460
Ion	Ratio	Lower	Upper
41	100		
39	54.5	44.1	66.1
67	86.7	63.4	95.0
52	36.0	25.0	37.6



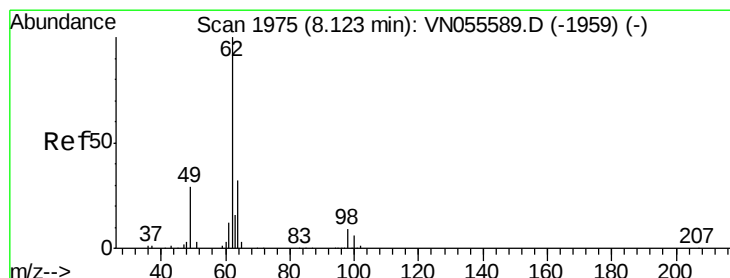
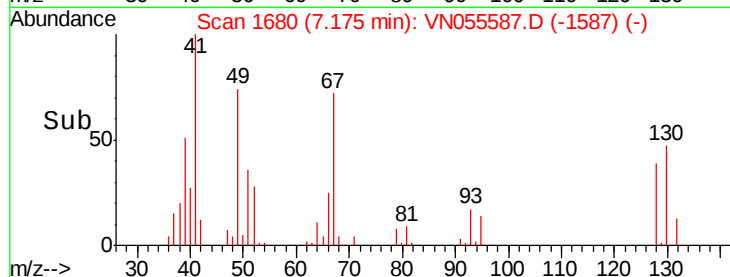
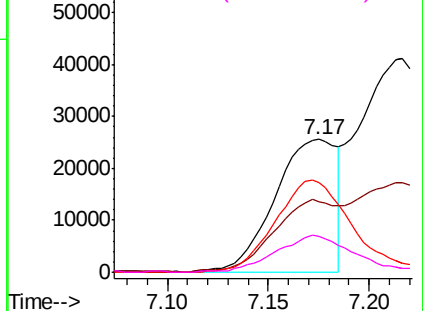
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

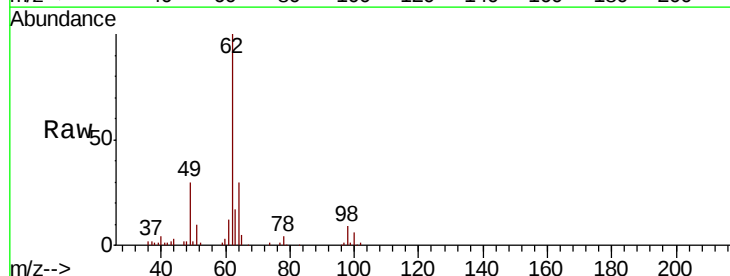
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 9.784 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

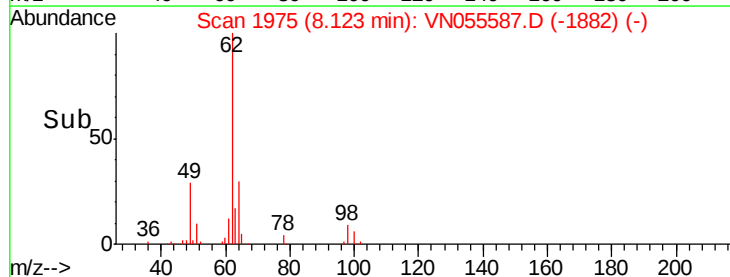
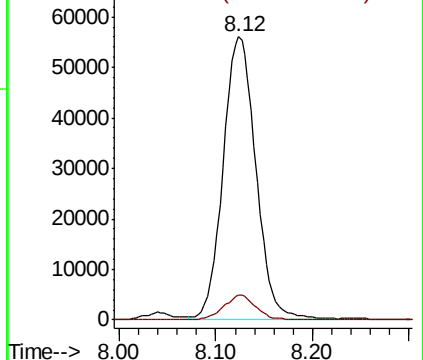
Tgt Ion:	62	Resp:	131169
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.0

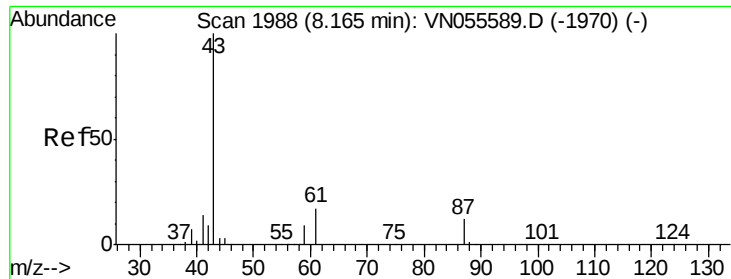


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 9.072 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

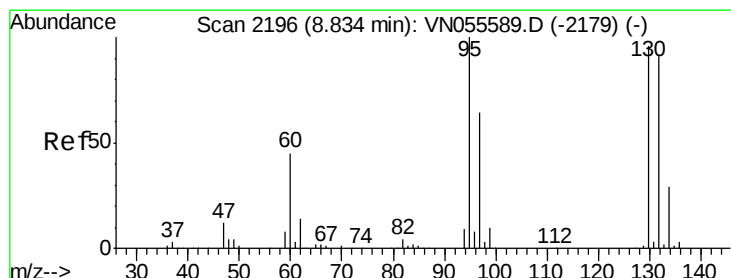
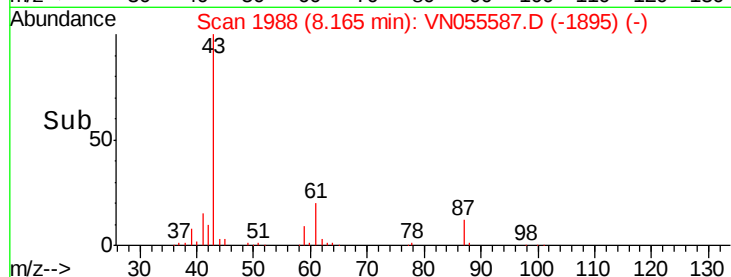
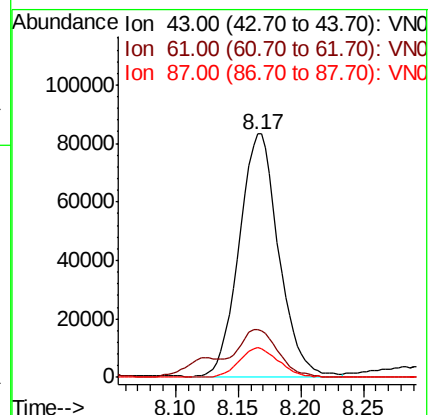
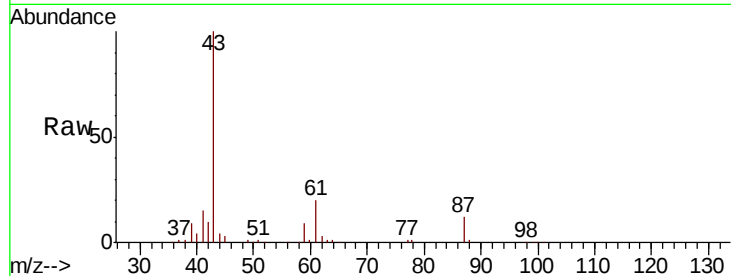
Tot Ion: 43 Resp: 181548

Ion Ratio Lower Upper

43 100

61 19.6 16.1 24.1

87 12.2 9.6 14.4



#44

Trichloroethene

Concen: 10.141 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055587.D

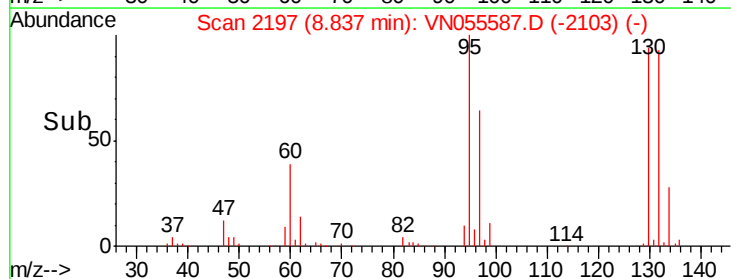
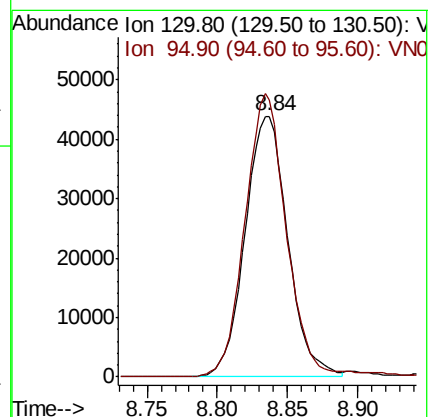
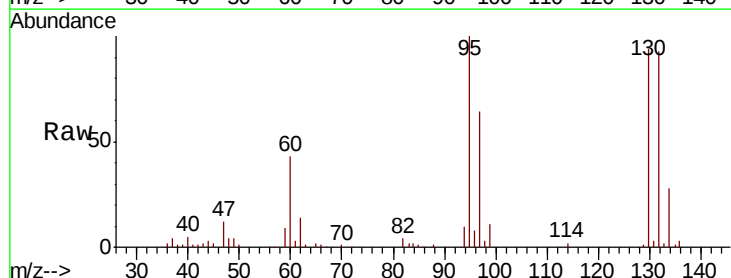
Acq: 14 May 2019 11:57

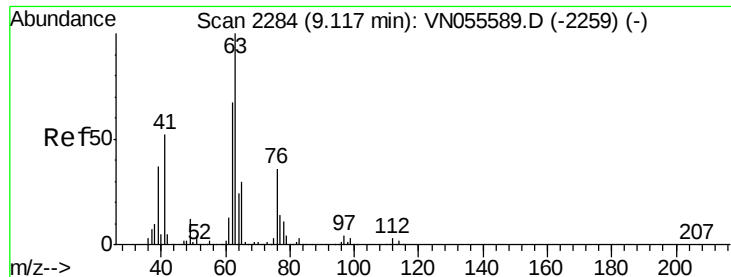
Tgt Ion:130 Resp: 93057

Ion Ratio Lower Upper

130 100

95 106.6 0.0 208.6

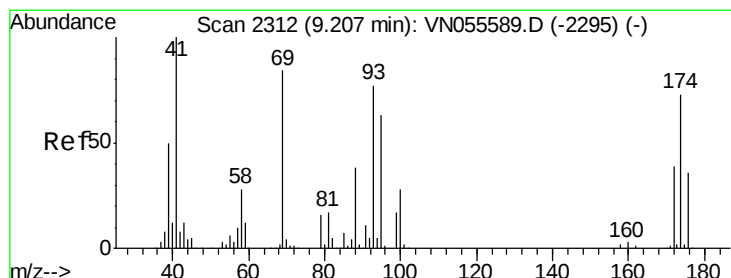
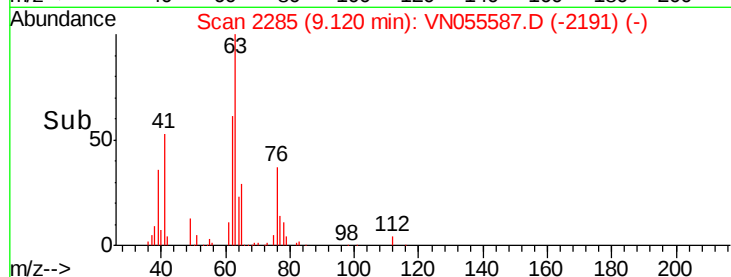
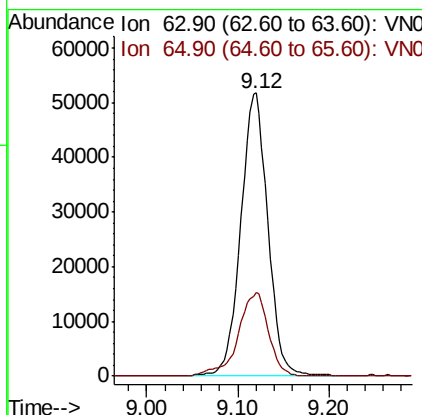
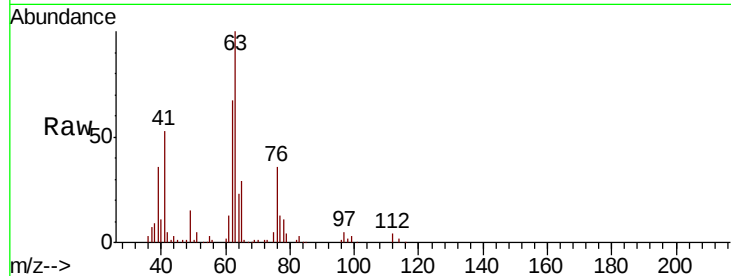




#45
 1,2-Dichloropropane
 Concen: 9.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

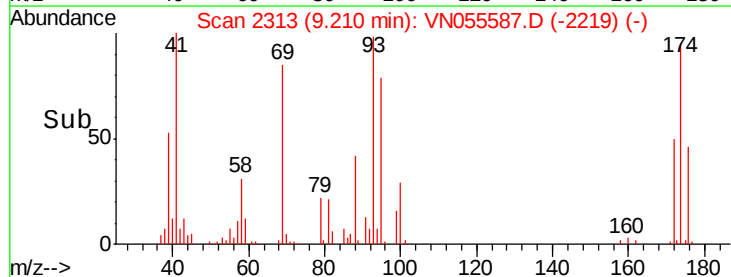
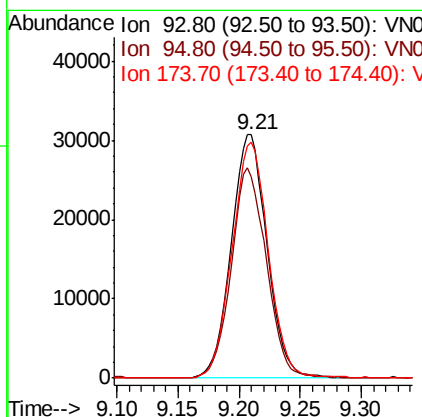
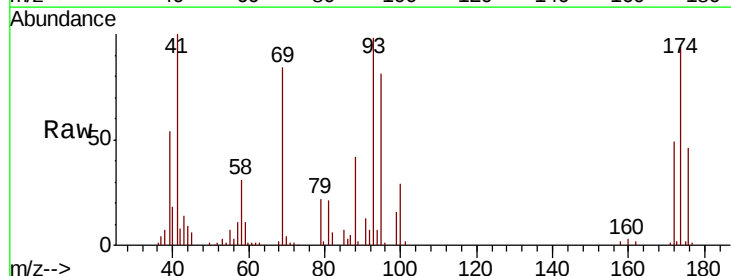
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

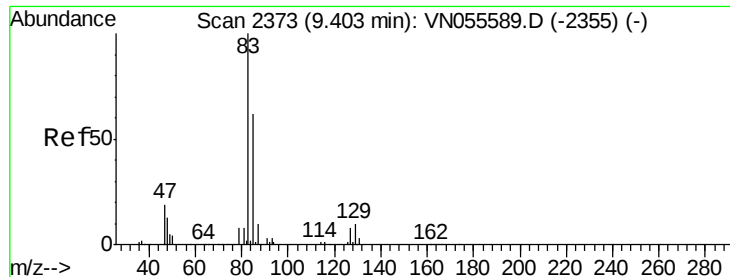
Tot Ion: 63 Resp: 107093
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.1 36.1



#46
 Dibromomethane
 Concen: 9.872 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion: 93 Resp: 62520
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 97.6 78.4 117.6





#47

Bromodichloromethane

Concen: 9.640 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

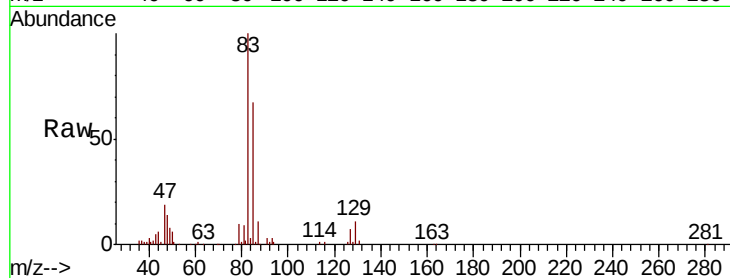
Tot Ion: 83 Resp: 117287

Ion Ratio Lower Upper

83 100

85 66.7 49.6 74.4

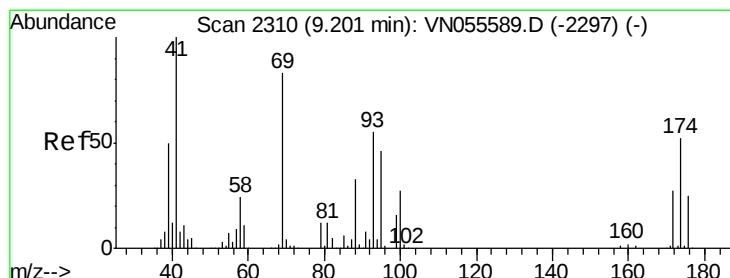
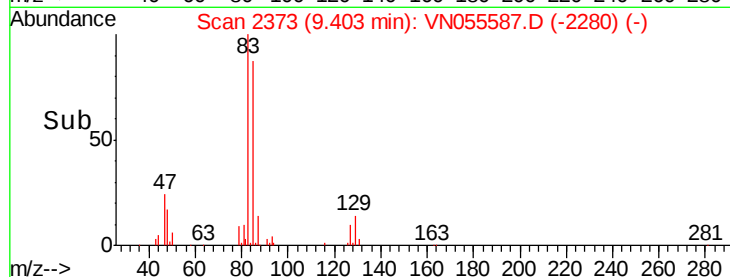
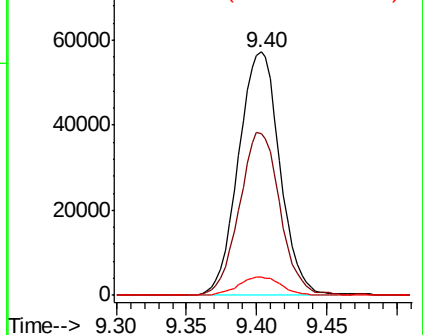
127 7.5 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN055587.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055587.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055587.D (-2280) (-)



#48

Methyl methacrylate

Concen: 8.864 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

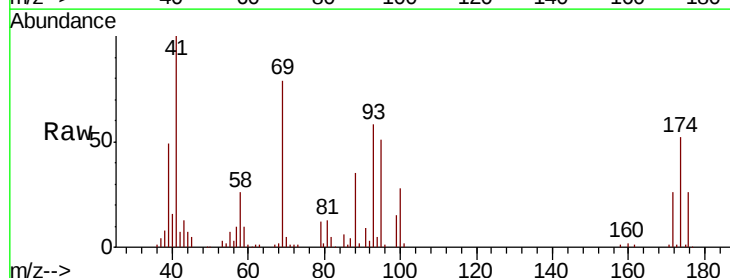
Tgt Ion: 41 Resp: 85723

Ion Ratio Lower Upper

41 100

69 83.4 65.7 98.5

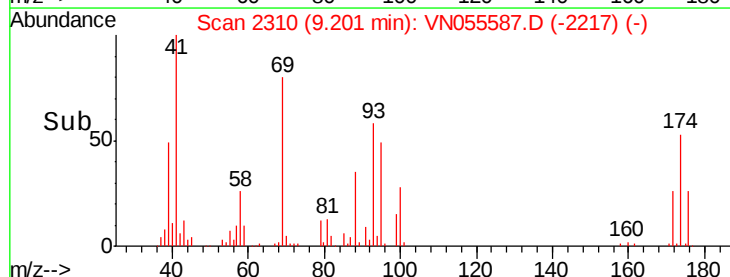
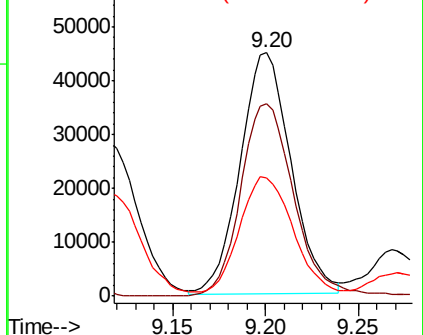
39 51.8 40.2 60.4

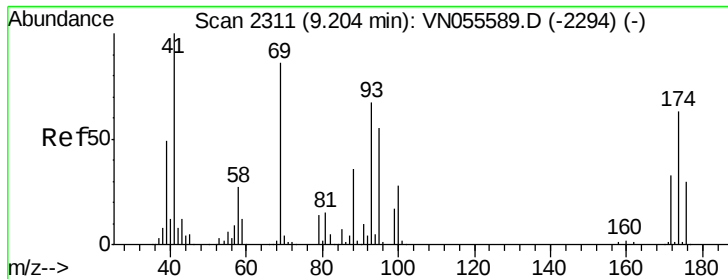


Abundance Ion 41.00 (40.70 to 41.70): VN055587.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055587.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055587.D (-2217) (-)

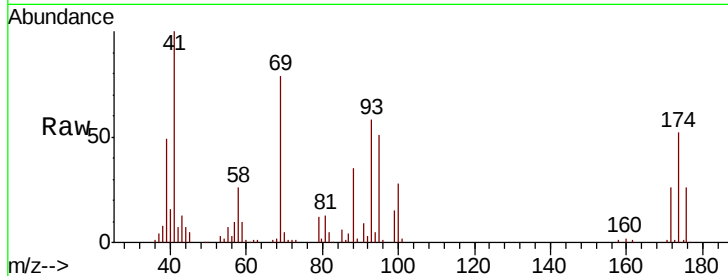




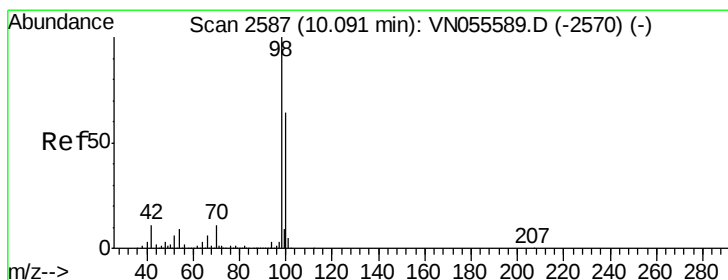
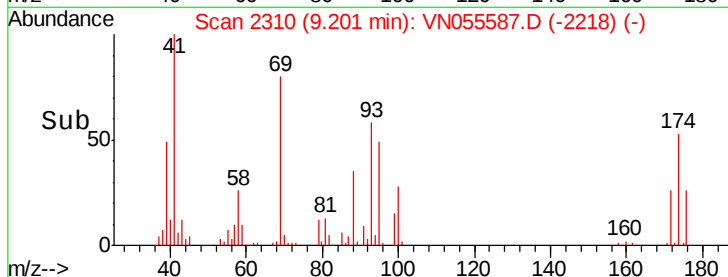
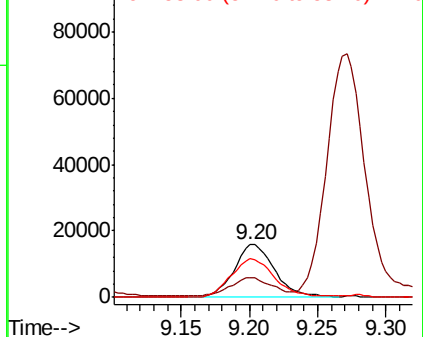
#49
1,4-Dioxane
Concen: 176.314 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion: 88 Resp: 33017
Ion Ratio Lower Upper
88 100
43 34.5 25.4 38.0
58 78.1 59.4 89.2

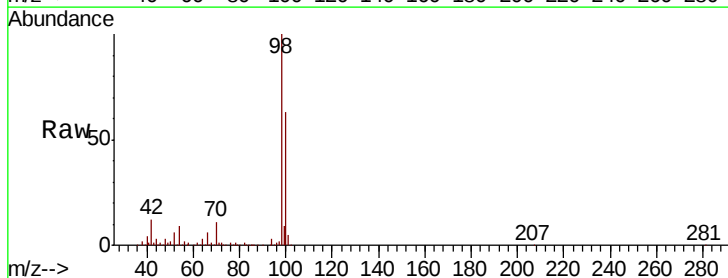


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

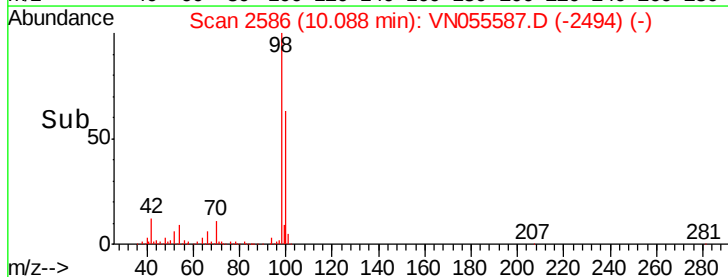
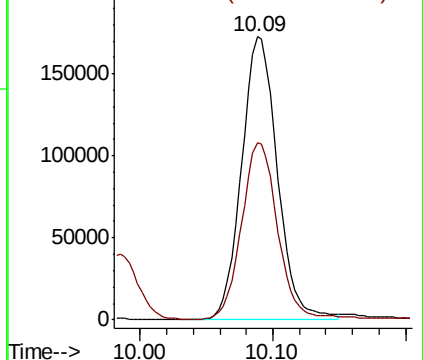


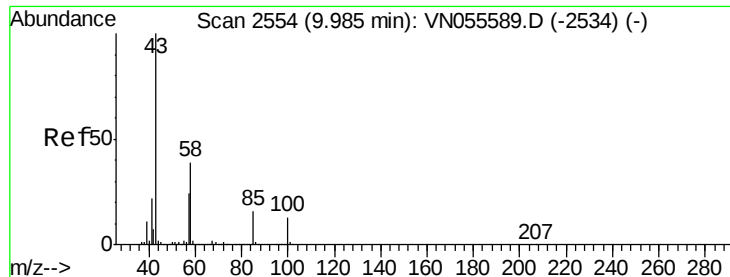
#50
Toluene-d8
Concen: 10.238 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 98 Resp: 324367
Ion Ratio Lower Upper
98 100
100 63.1 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 43.104 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

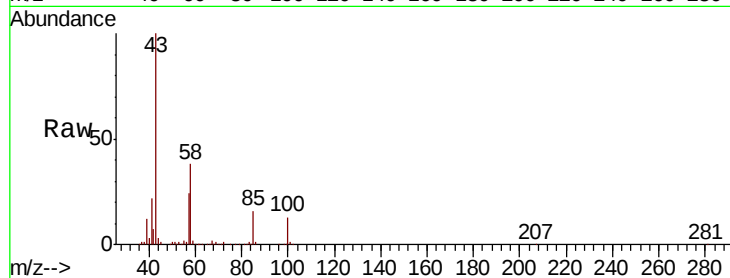
VSTDIC010

Tot Ion: 43 Resp: 564616

Ion Ratio Lower Upper

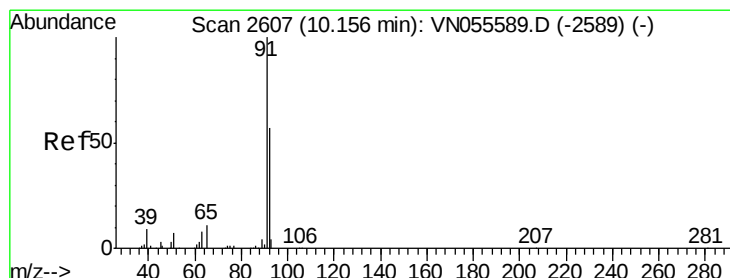
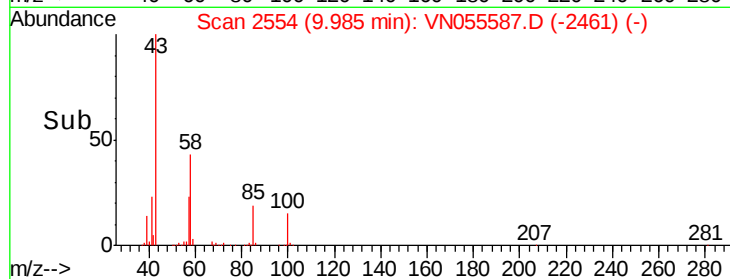
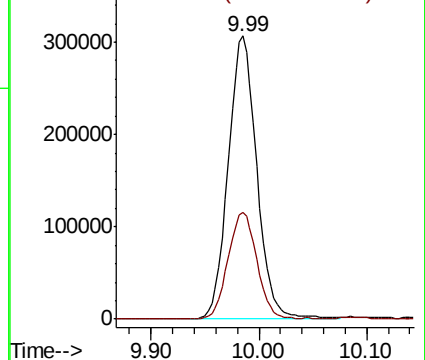
43 100

58 38.2 30.6 46.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 10.070 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055587.D

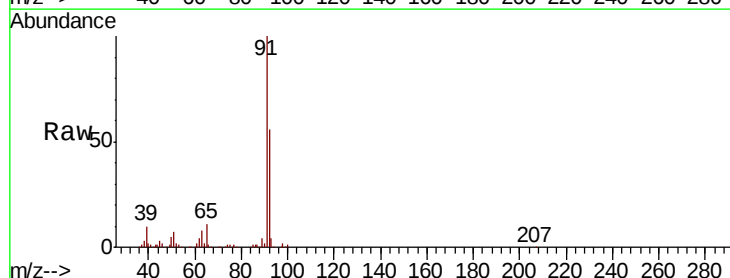
Acq: 14 May 2019 11:57

Tgt Ion: 92 Resp: 220759

Ion Ratio Lower Upper

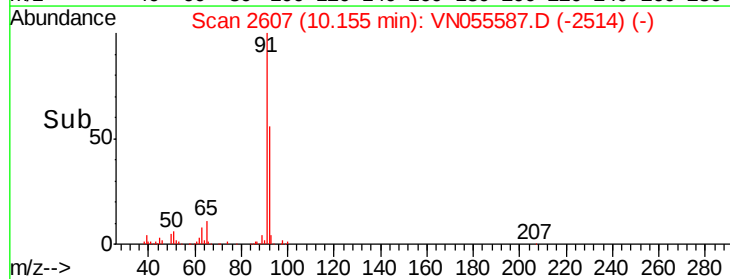
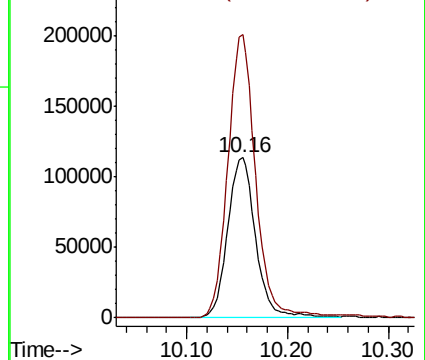
92 100

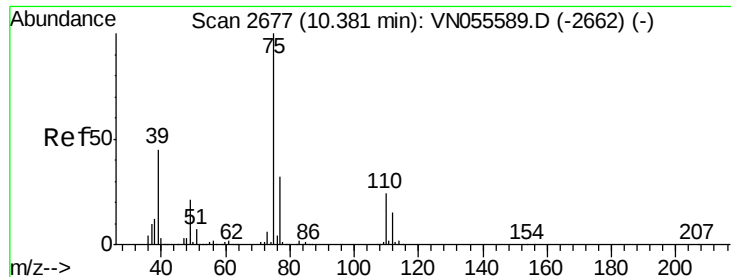
91 174.8 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 9.330 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

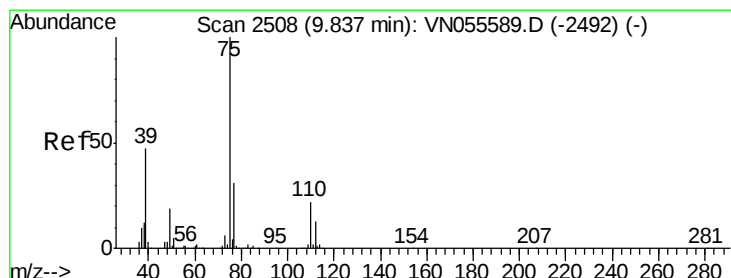
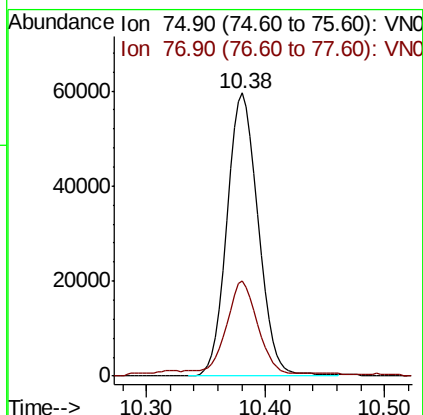
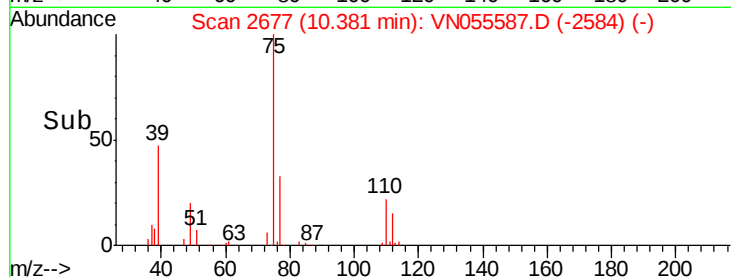
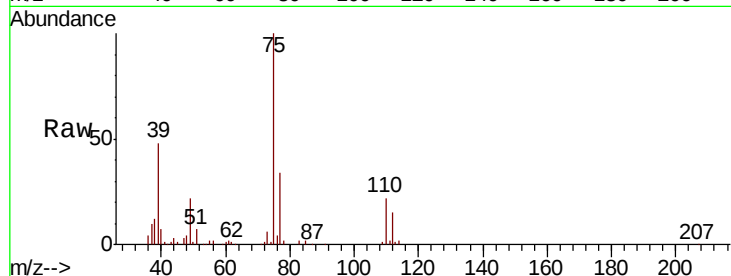
VSTDIC010

Tot Ion: 75 Resp: 108513

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 9.627 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

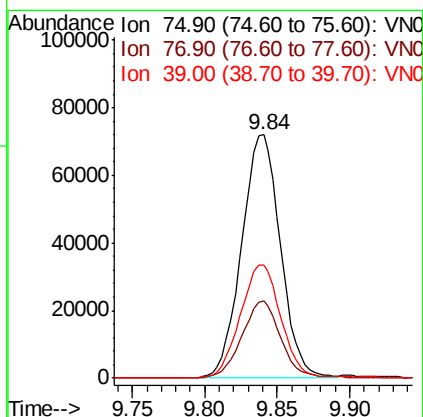
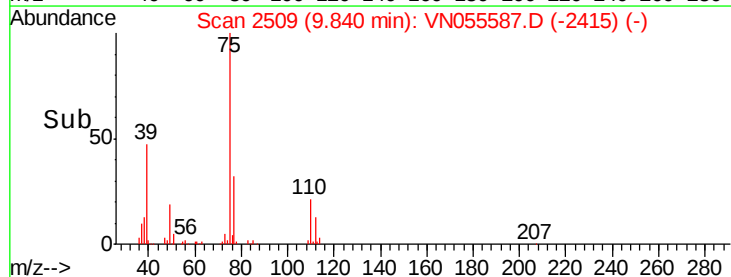
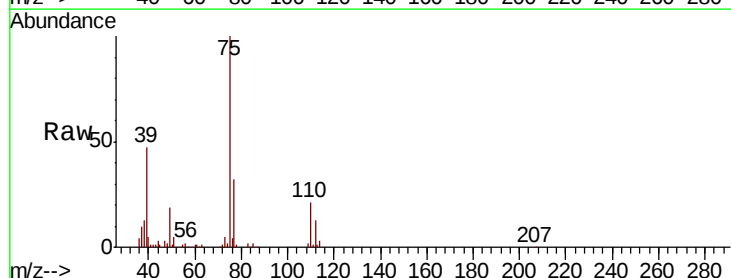
Tgt Ion: 75 Resp: 134225

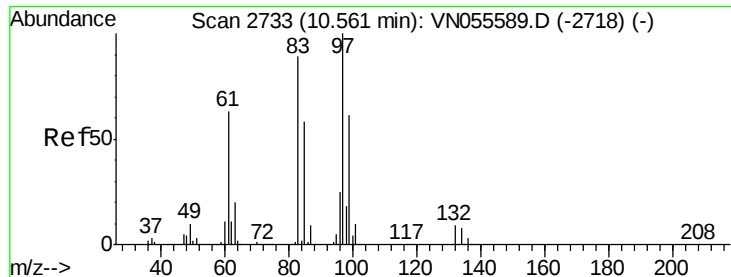
Ion Ratio Lower Upper

75 100

77 31.8 24.5 36.7

39 46.3 37.7 56.5





#55

1,1,2-Trichloroethane

Concen: 9.858 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 87366

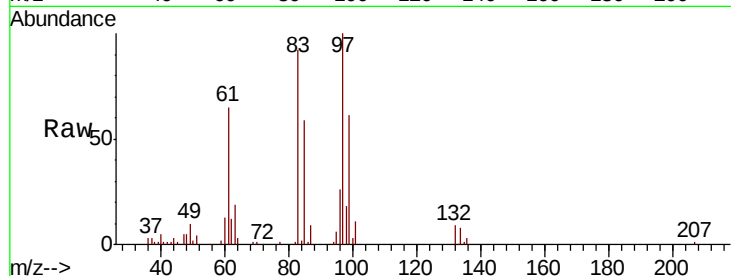
Ion Ratio Lower Upper

97 100

83 92.3 71.5 107.3

85 58.8 46.2 69.4

99 61.2 49.0 73.6

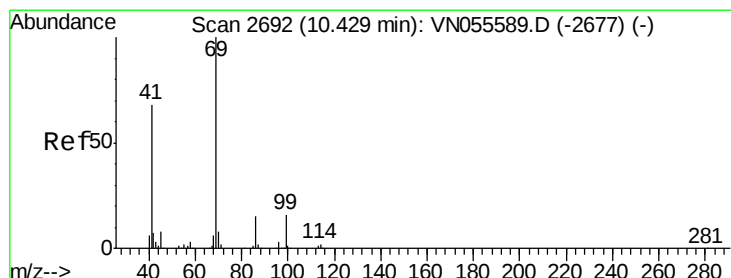
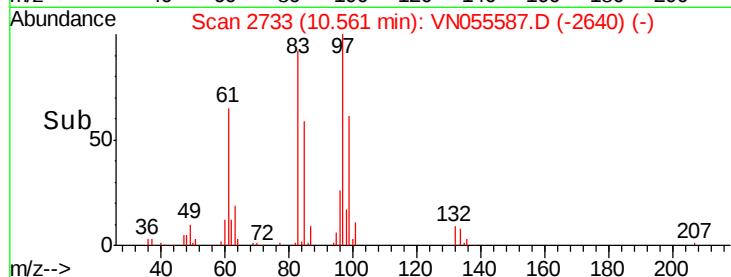
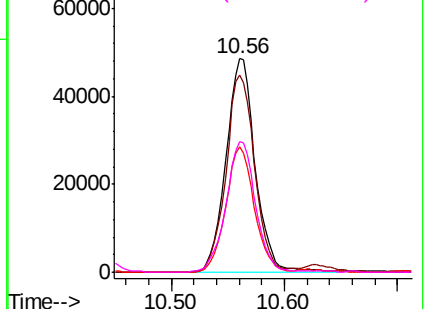


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 9.238 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

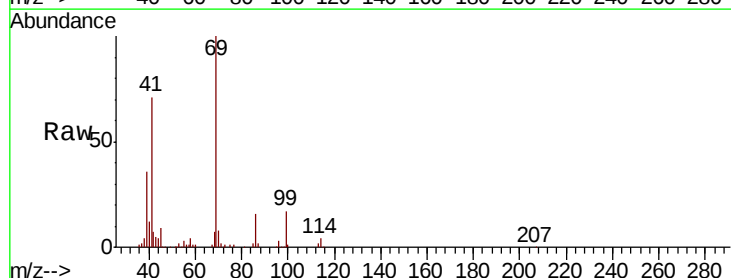
Tgt Ion: 69 Resp: 120543

Ion Ratio Lower Upper

69 100

41 67.0 54.6 82.0

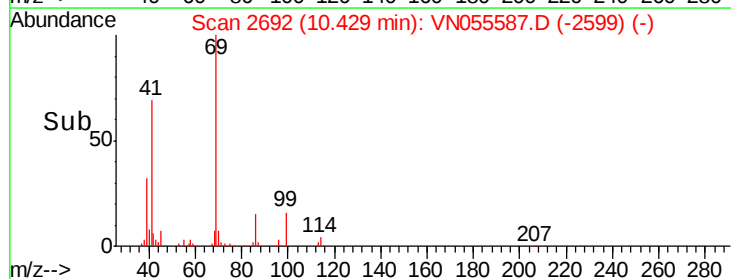
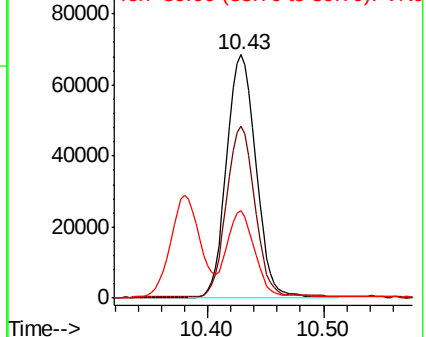
39 33.3 25.5 38.3

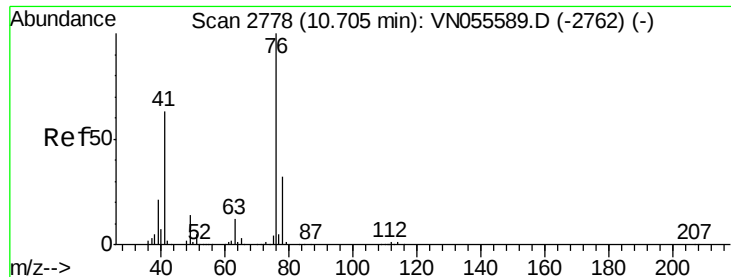


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 9.660 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

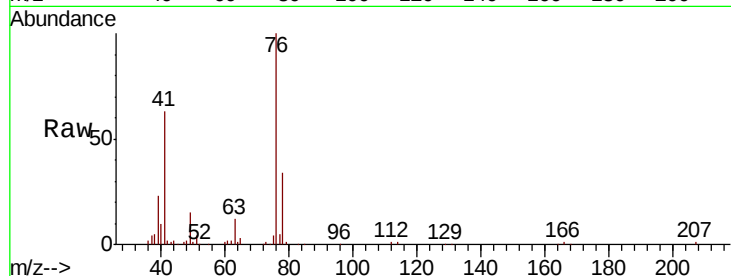
VSTDIC010

Tot Ion: 76 Resp: 151472

Ion Ratio Lower Upper

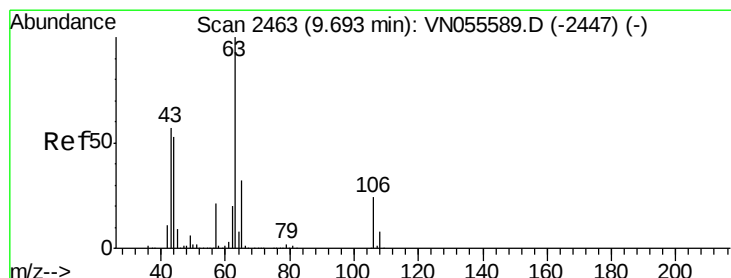
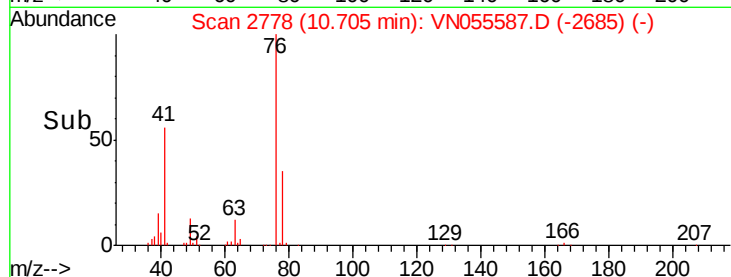
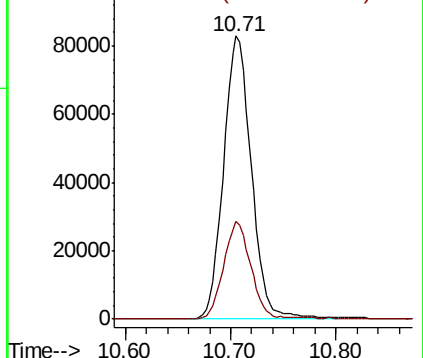
76 100

78 33.7 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 38.119 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055587.D

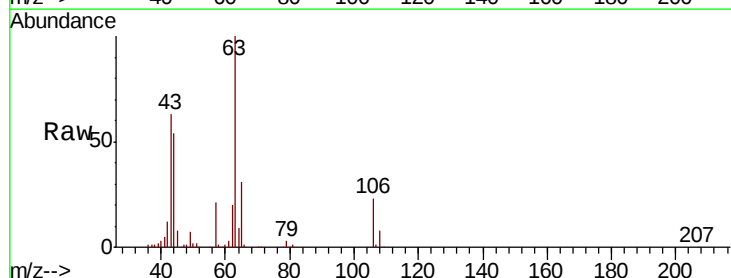
Acq: 14 May 2019 11:57

Tgt Ion: 63 Resp: 137080

Ion Ratio Lower Upper

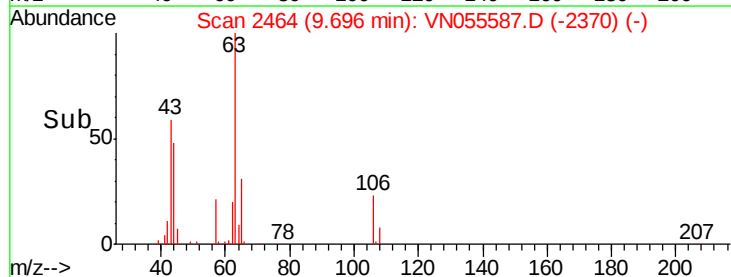
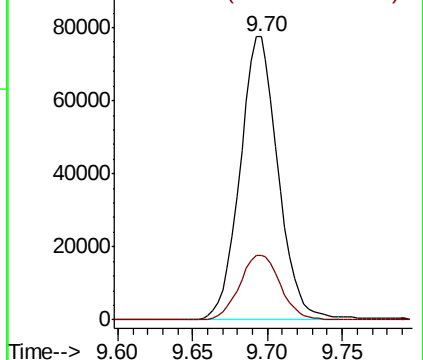
63 100

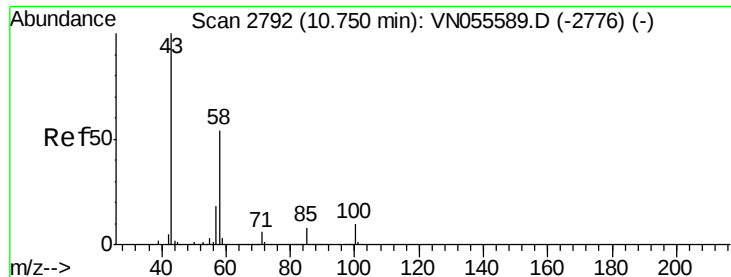
106 24.4 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

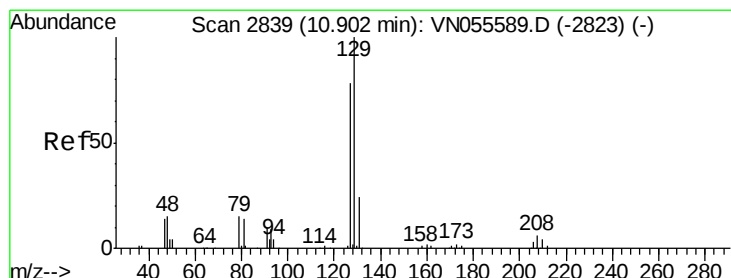
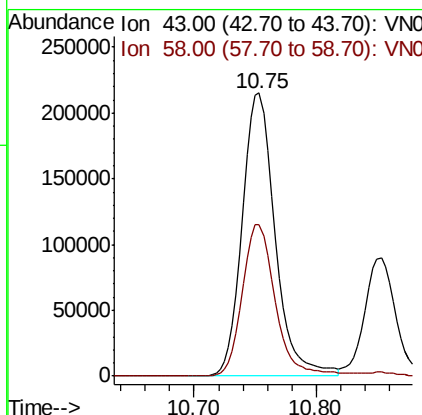
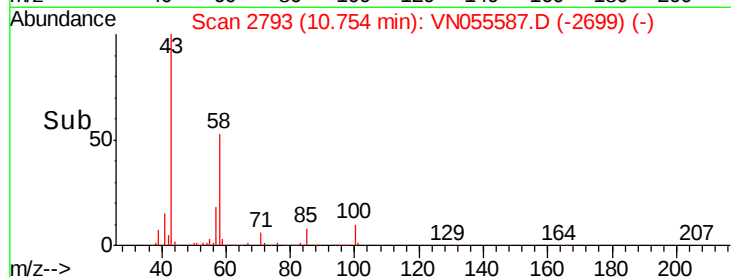
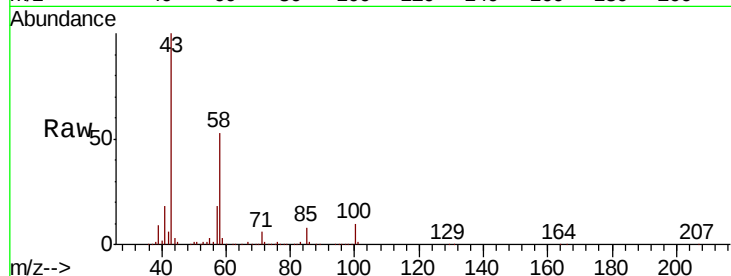




#59
2-Hexanone
Concen: 43.255 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

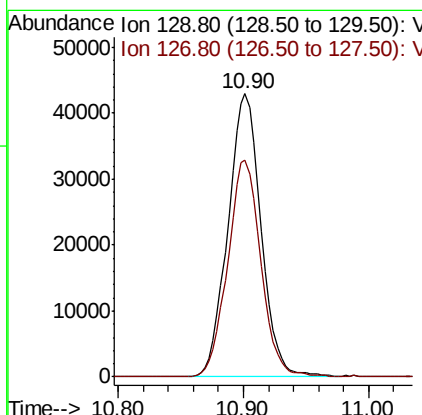
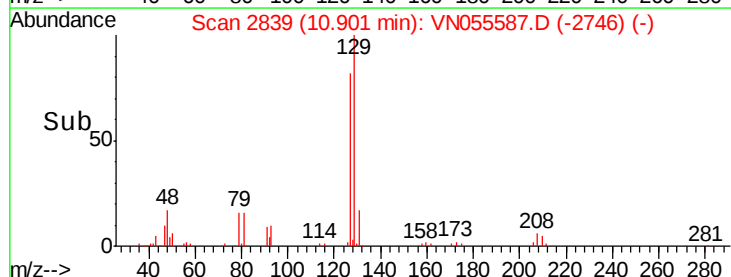
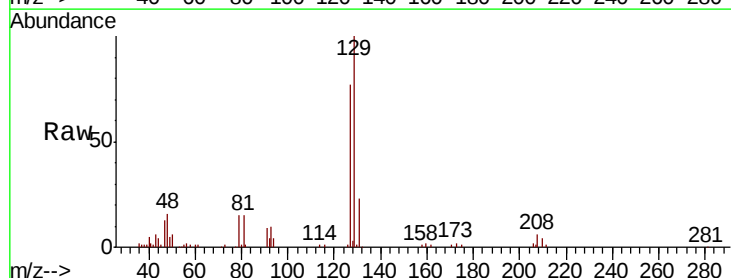
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

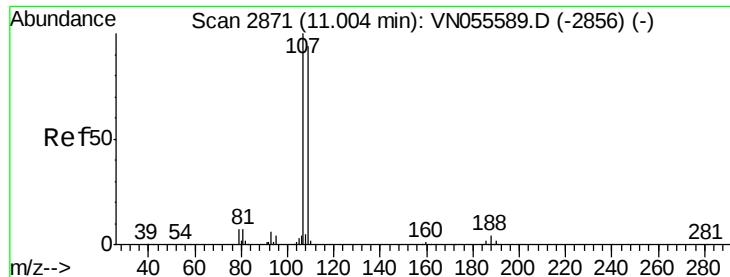
Tot Ion: 43 Resp: 396753
Ion Ratio Lower Upper
43 100
58 54.2 27.0 80.8



#60
Dibromochloromethane
Concen: 9.742 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 129 Resp: 78557
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 9.621 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

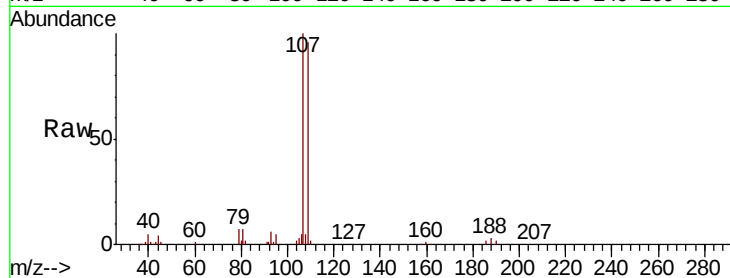
VSTDIC010

Tot Ion: 107 Resp: 81692

Ion Ratio Lower Upper

107 100

109 96.8 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

40000

30000

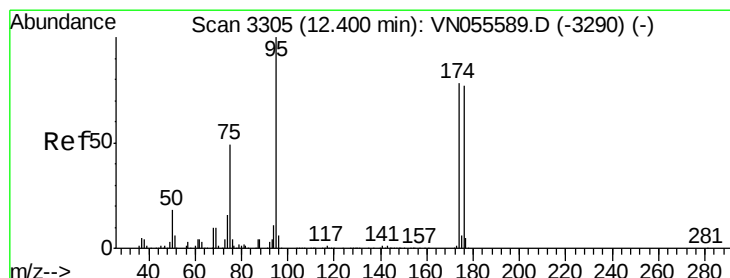
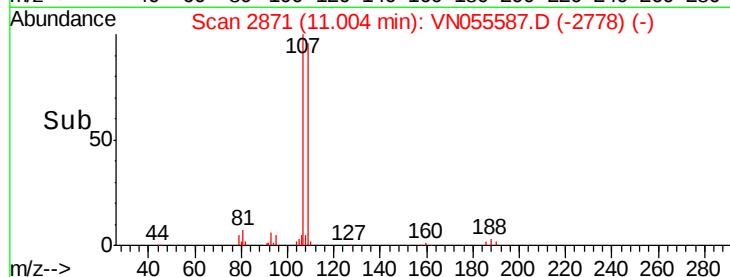
20000

10000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 9.318 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

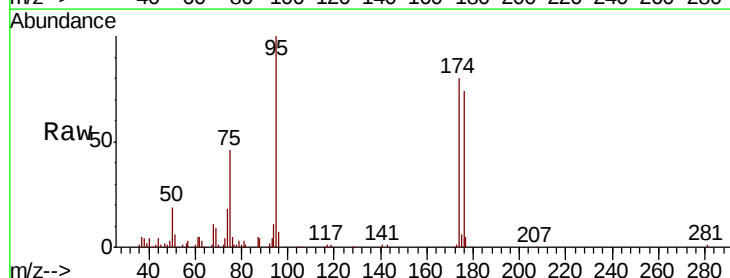
Tgt Ion: 95 Resp: 98594

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.4

176 75.0 0.0 153.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

60000

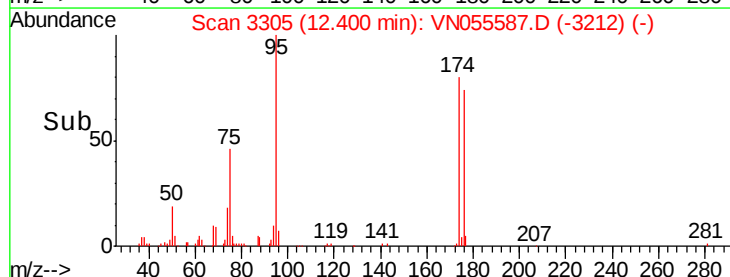
40000

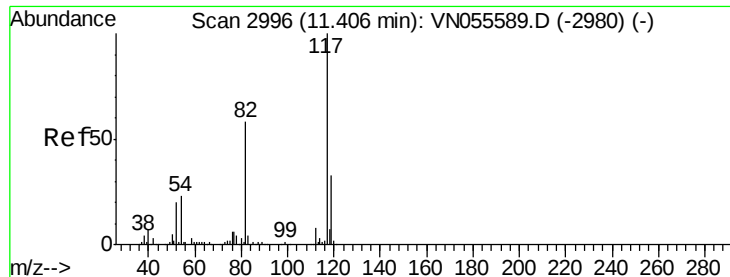
20000

0

Time-->

12.35 12.40 12.45

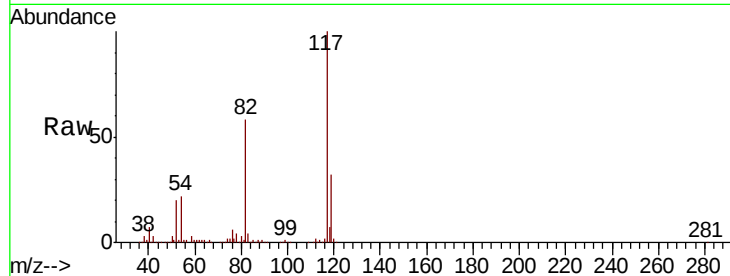




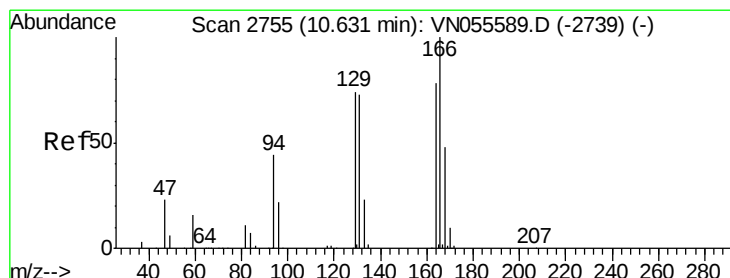
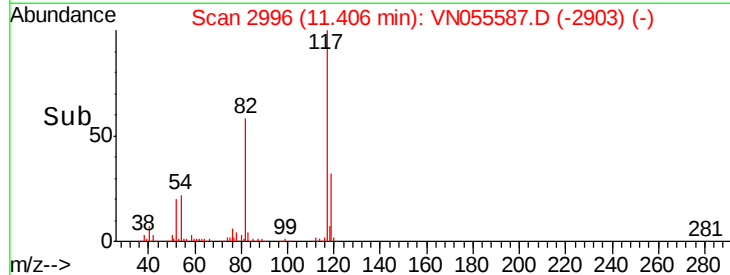
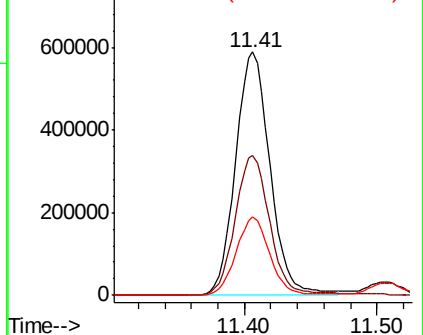
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:117 Resp: 1065123
Ion Ratio Lower Upper
117 100
82 57.5 46.7 70.1
119 32.1 26.0 39.0

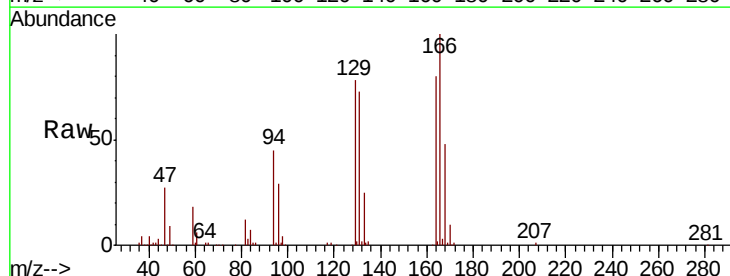


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

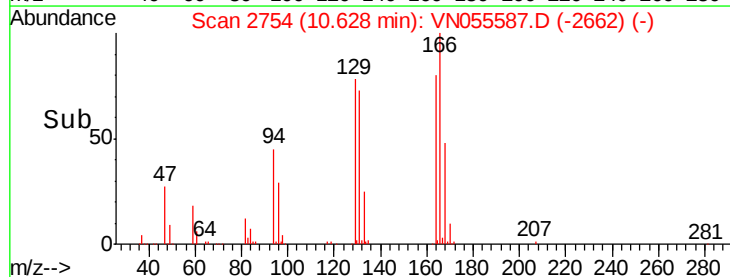
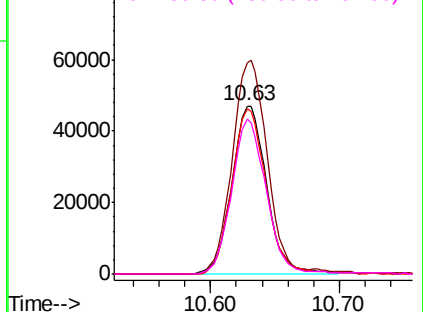


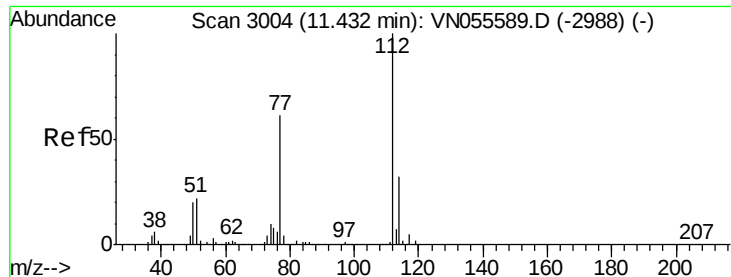
#64
Tetrachloroethene
Concen: 10.119 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion:164 Resp: 88122
Ion Ratio Lower Upper
164 100
166 125.6 102.1 153.1
129 98.1 75.8 113.8
131 91.8 74.6 111.8



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: 10.118 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

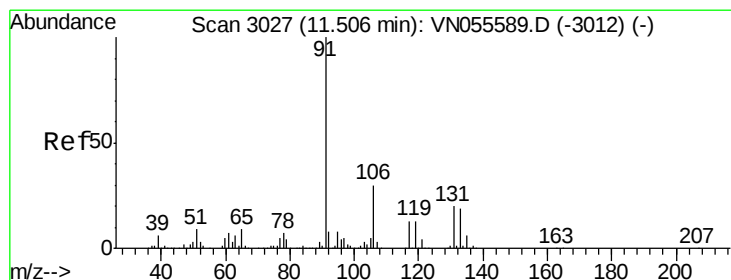
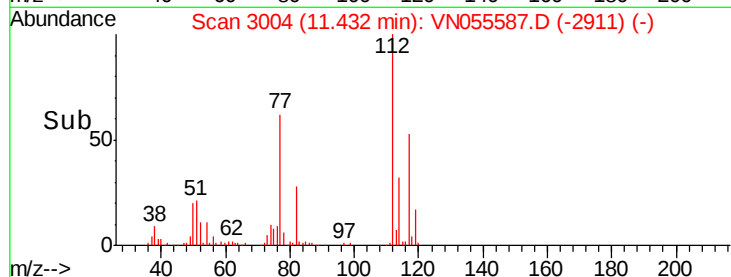
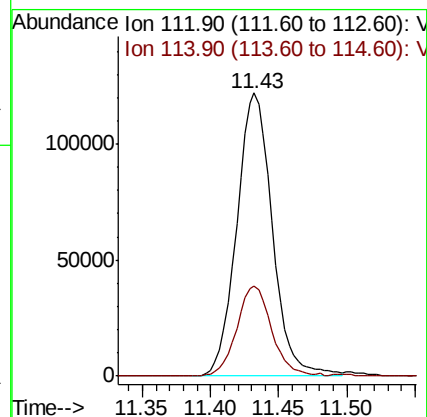
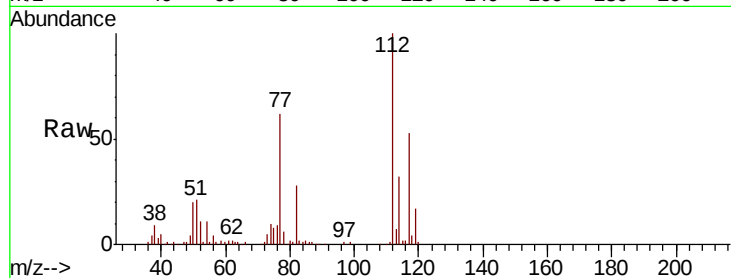
VSTDIC010

Tot Ion:112 Resp: 221283

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 10.117 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

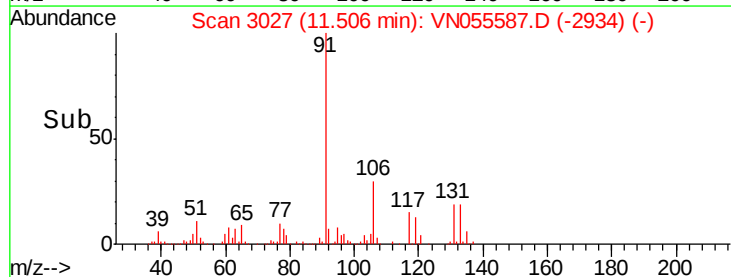
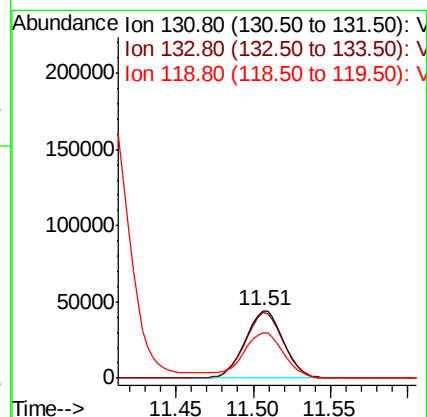
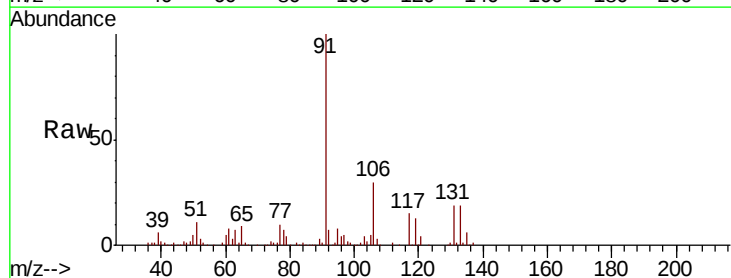
Tgt Ion:131 Resp: 76412

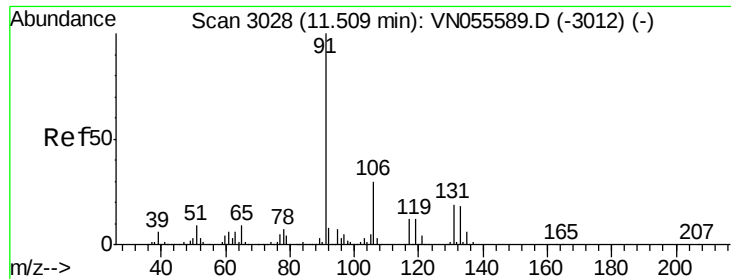
Ion Ratio Lower Upper

131 100

133 96.9 47.6 142.9

119 71.9 34.2 102.5

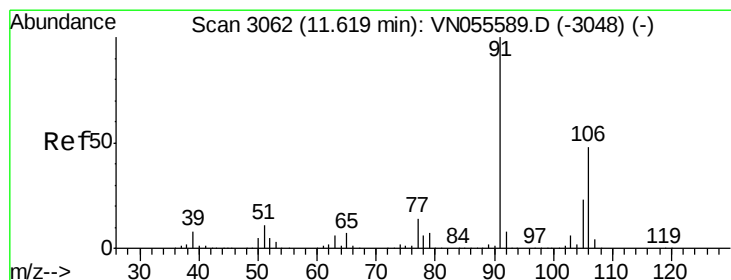
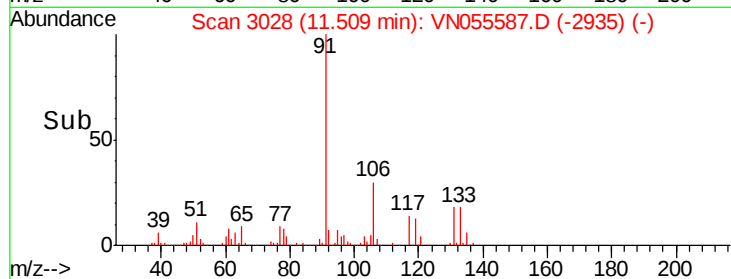
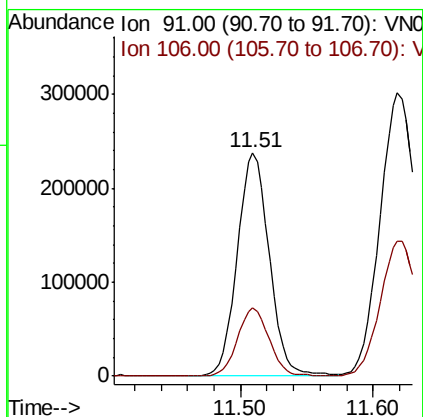
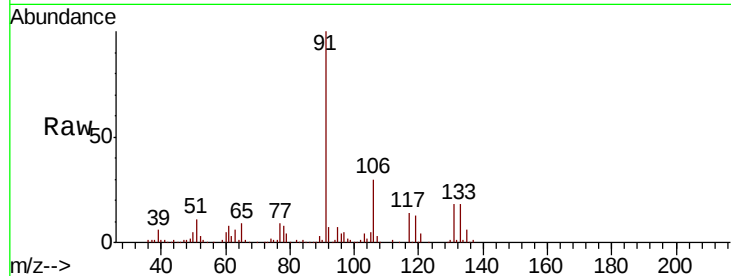




#67
Ethyl Benzene
Concen: 9.779 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

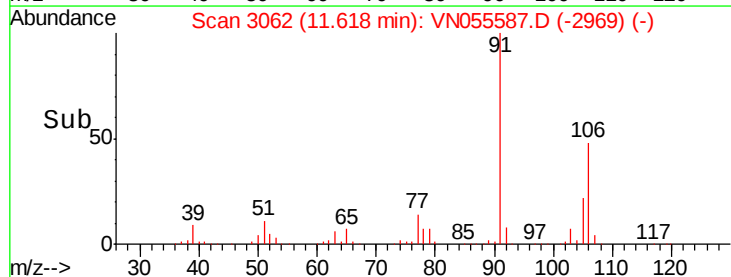
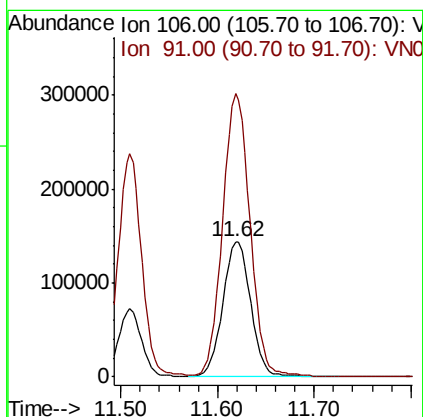
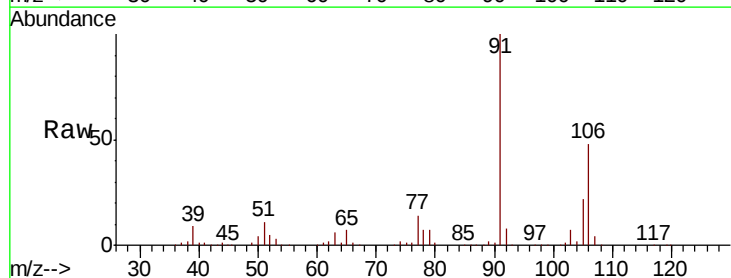
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

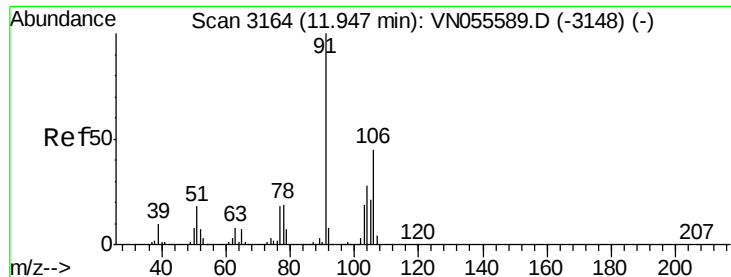
Tot Ion: 91 Resp: 399583
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



#68
m/p-Xylenes
Concen: 19.655 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 106 Resp: 289030
Ion Ratio Lower Upper
106 100
91 206.2 167.5 251.3

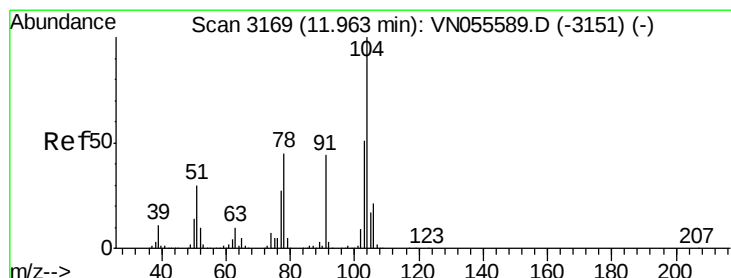
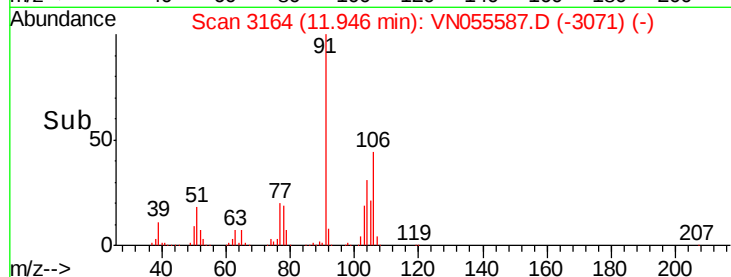
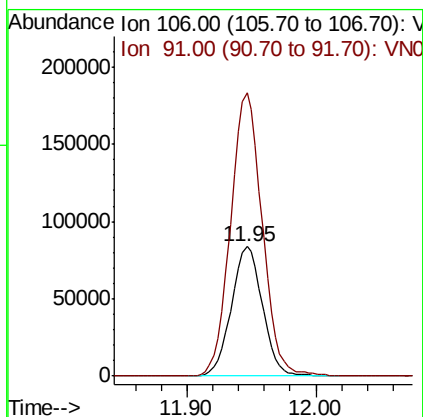
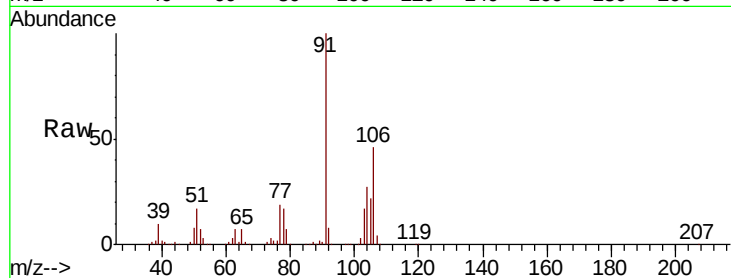




#69
o-Xylene
Concen: 9.738 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

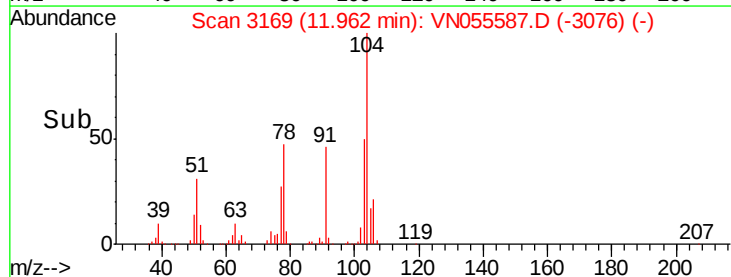
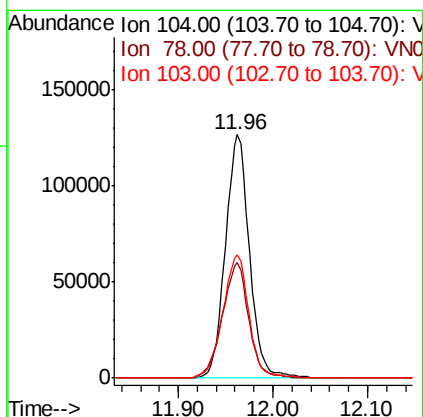
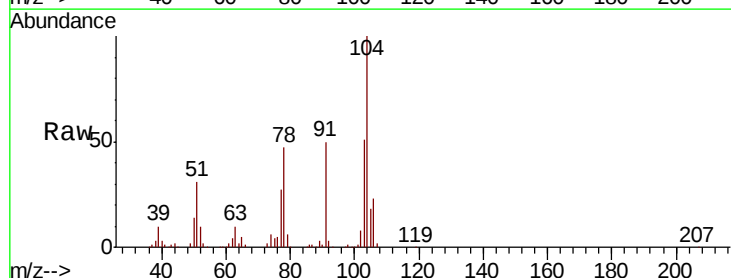
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

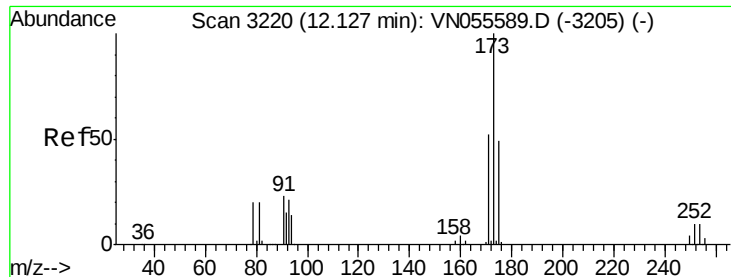
Tot Ion:106 Resp: 140544
Ion Ratio Lower Upper
106 100
91 222.2 110.2 330.6



#70
Styrene
Concen: 9.692 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion:104 Resp: 223557
Ion Ratio Lower Upper
104 100
78 51.8 40.8 61.2
103 55.0 44.6 67.0

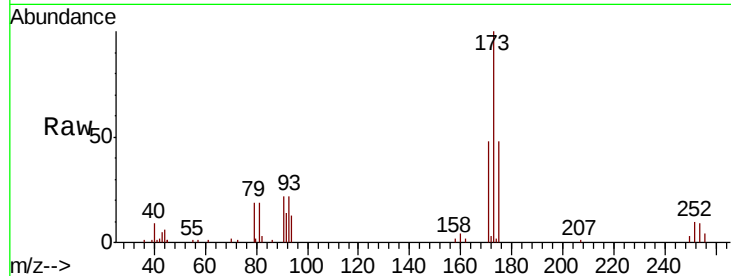




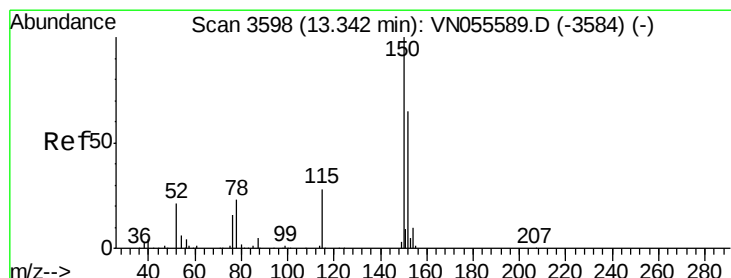
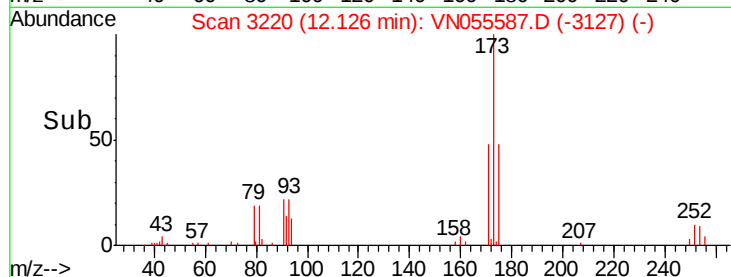
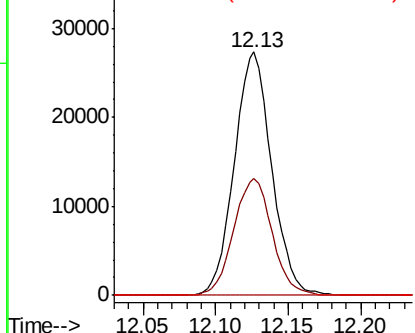
#71
Bromoform
Concen: 9.651 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:173 Resp: 48818
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 0.0 0.1 0.1#

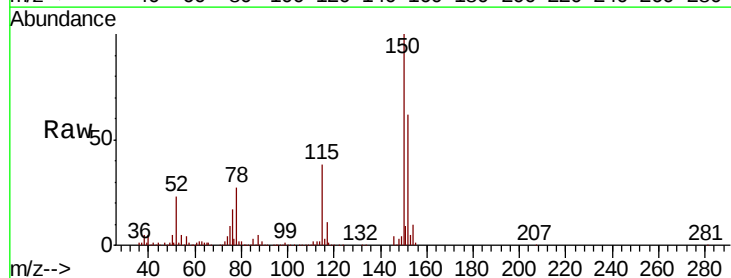


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

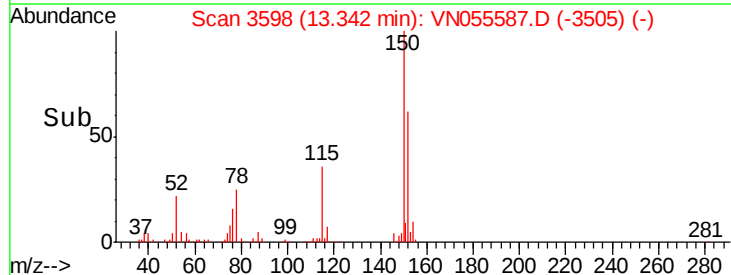
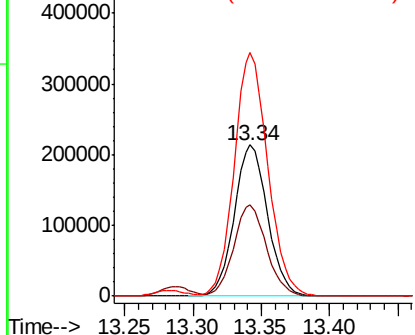


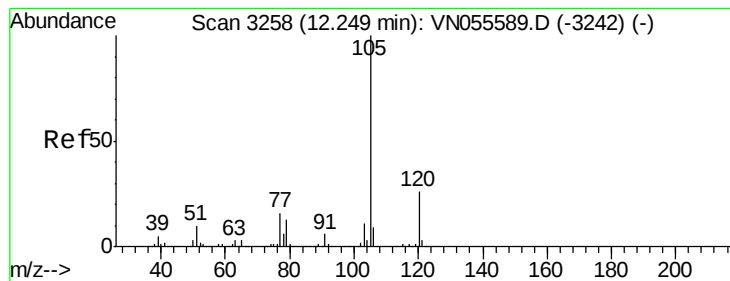
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion:152 Resp: 360874
Ion Ratio Lower Upper
152 100
115 59.6 29.8 89.4
150 161.9 0.0 346.6



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: 10.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampled :

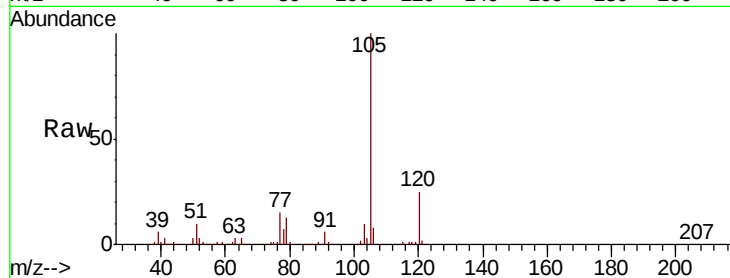
VSTDIC010

Tot Ion:105 Resp: 378079

Ion Ratio Lower Upper

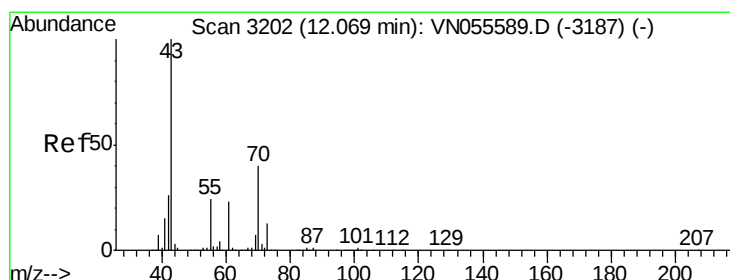
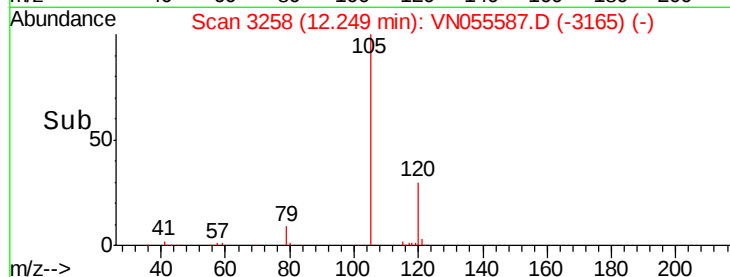
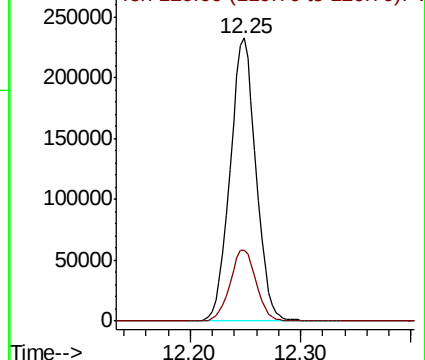
105 100

120 25.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.894 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Tgt Ion: 43 Resp: 118950

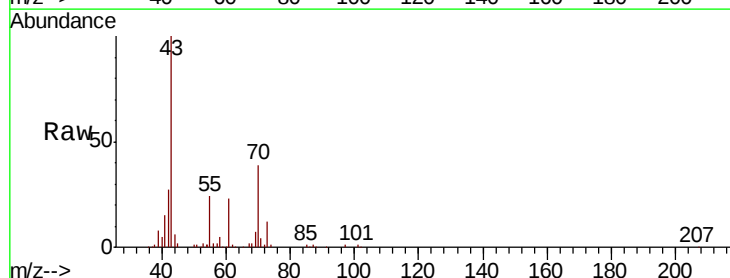
Ion Ratio Lower Upper

43 100

70 39.3 31.8 47.6

55 25.5 19.7 29.5

61 23.7 19.0 28.4

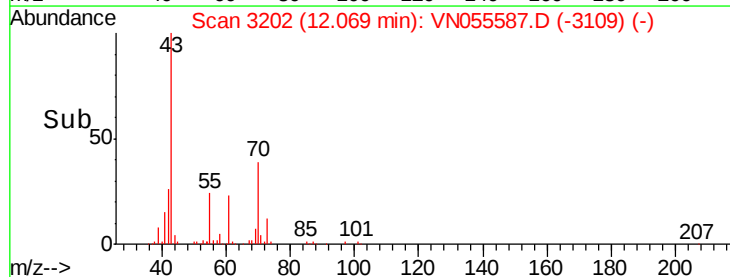
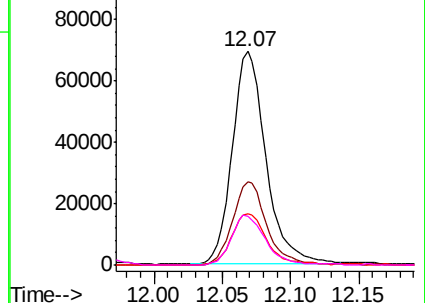


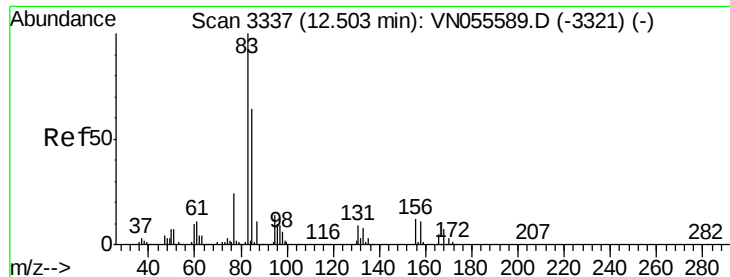
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 10.393 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

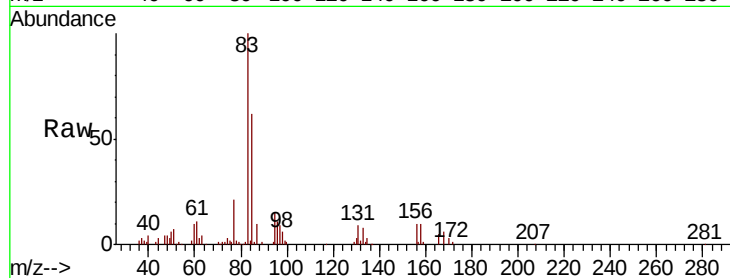
Tot Ion: 83 Resp: 118810

Ion Ratio Lower Upper

83 100

131 8.7 4.6 13.8

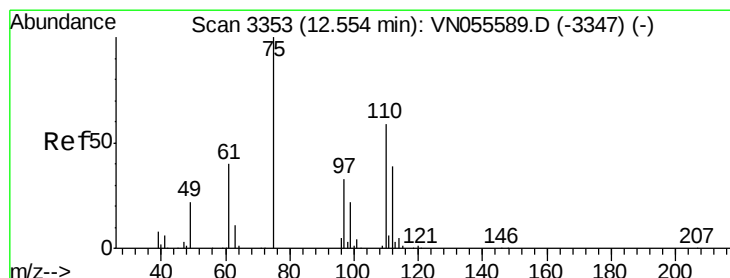
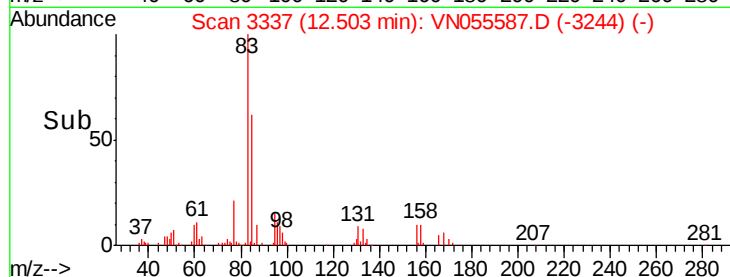
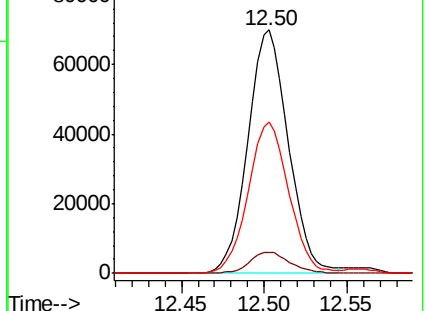
85 62.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN055587.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN055587.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN055587.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 14.051 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055587.D

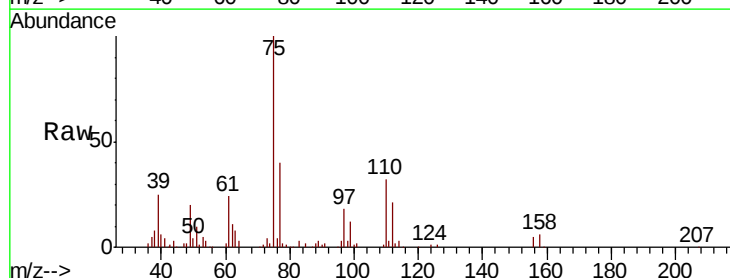
Acq: 14 May 2019 11:57

Tgt Ion: 75 Resp: 135711

Ion Ratio Lower Upper

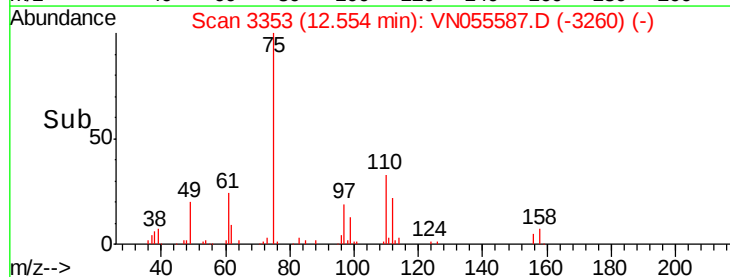
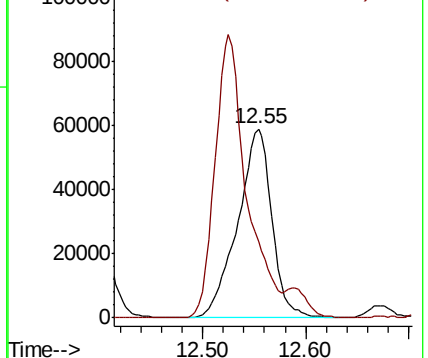
75 100

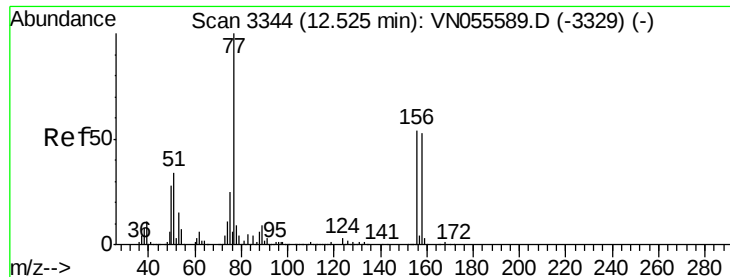
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055587.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055587.D (-3353) (-)





#77

Bromobenzene

Concen: 10.685 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

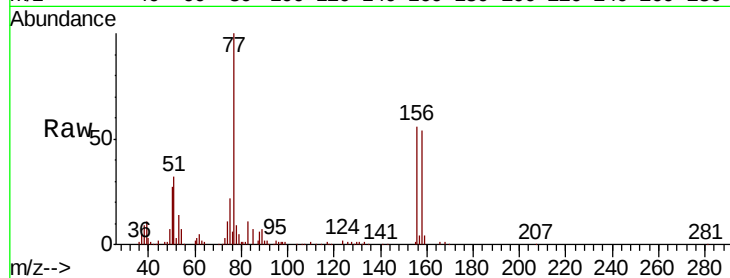
Tot Ion:156 Resp: 84940

Ion Ratio Lower Upper

156 100

77 220.7 108.9 326.7

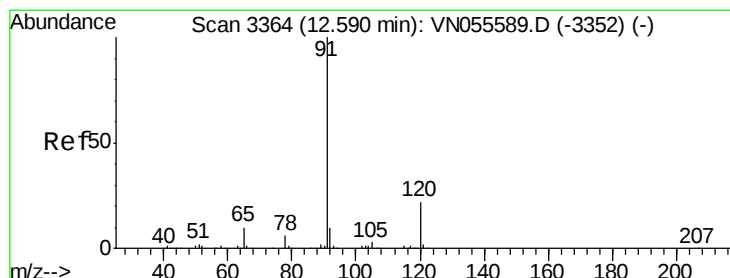
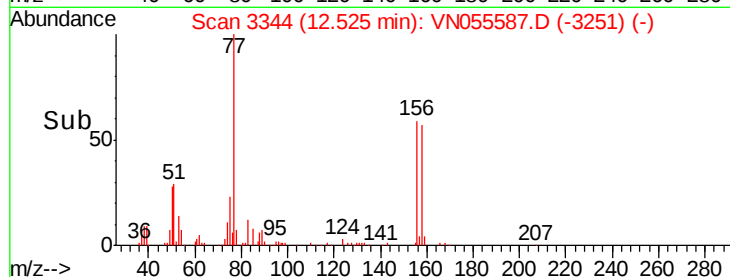
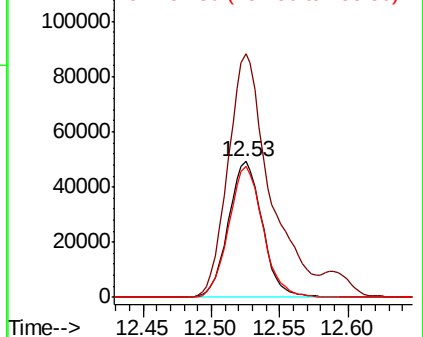
158 97.5 48.1 144.3



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: 10.232 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055587.D

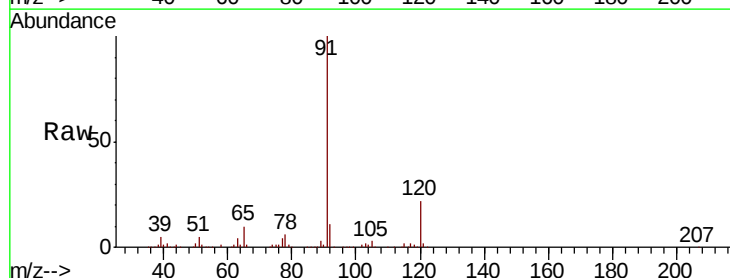
Acq: 14 May 2019 11:57

Tgt Ion: 91 Resp: 393828

Ion Ratio Lower Upper

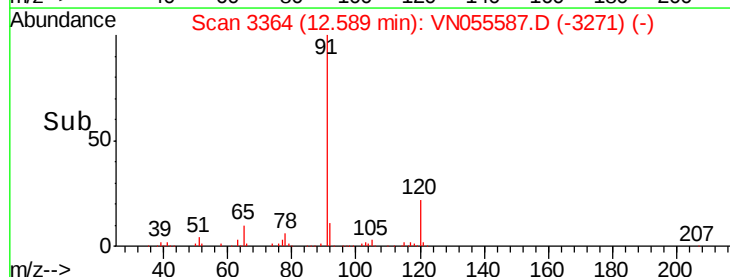
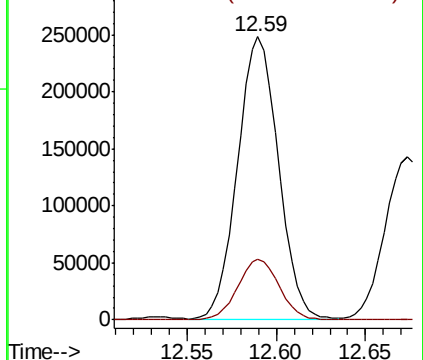
91 100

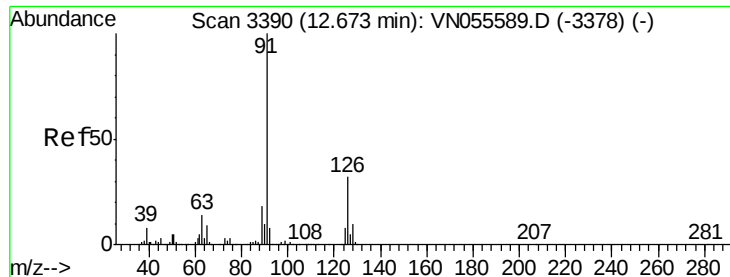
120 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 10.278 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

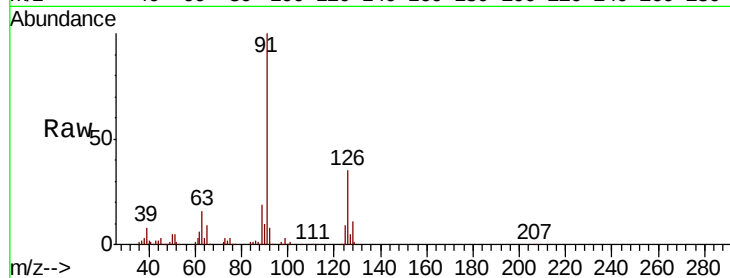
VSTDIC010

Tot Ion: 91 Resp: 246174

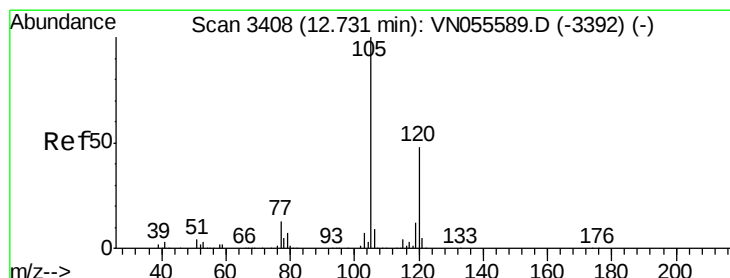
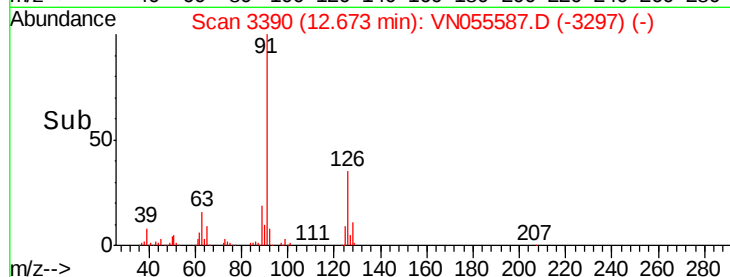
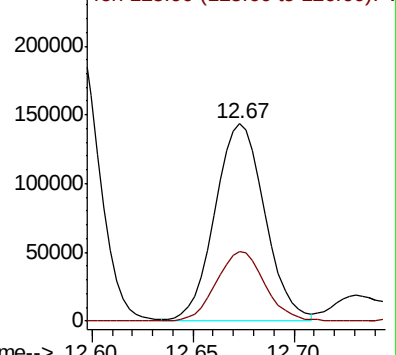
Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.196 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055587.D

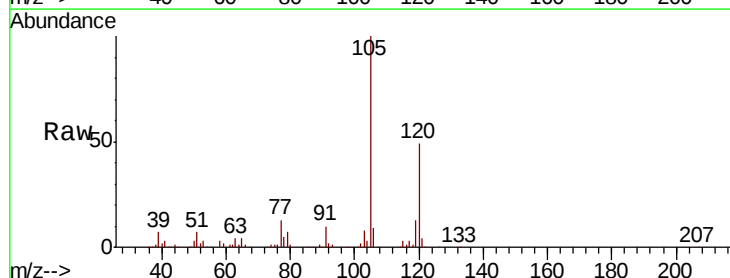
Acq: 14 May 2019 11:57

Tgt Ion: 105 Resp: 292196

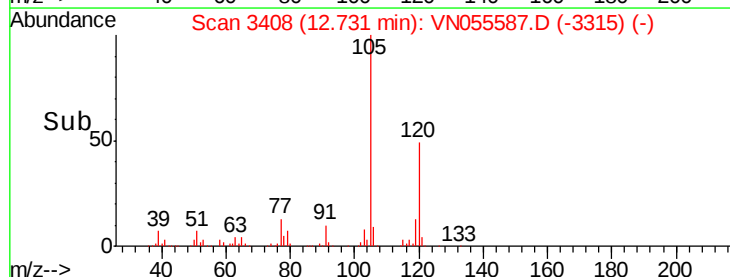
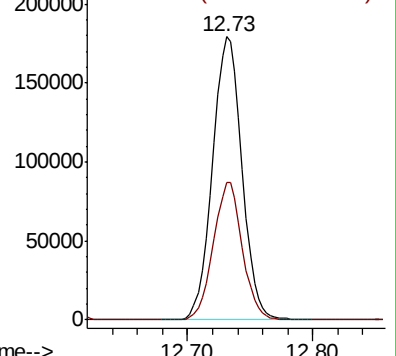
Ion Ratio Lower Upper

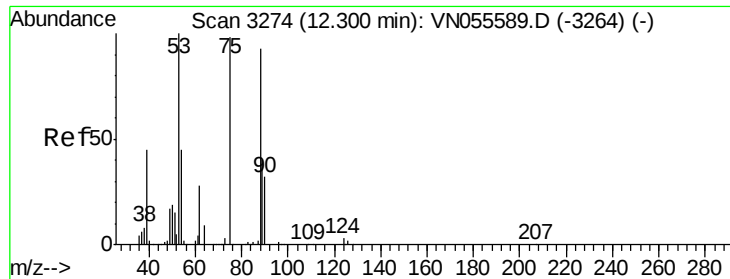
105 100

120 47.8 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): VN055589.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 10.078 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

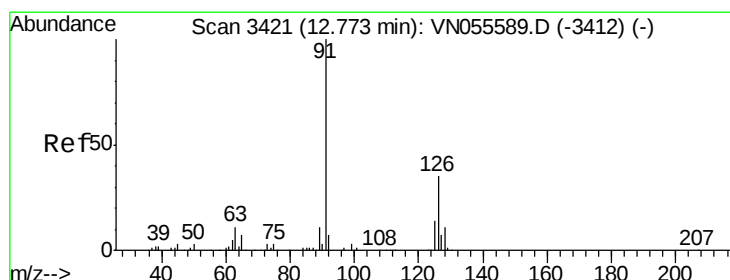
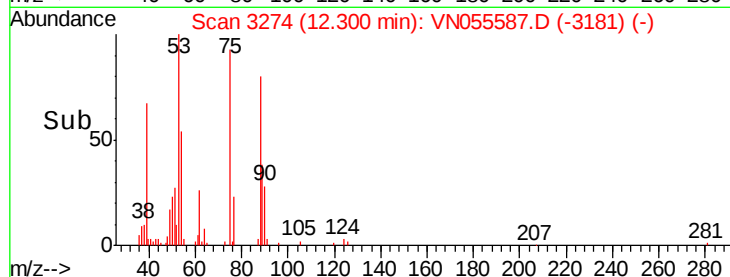
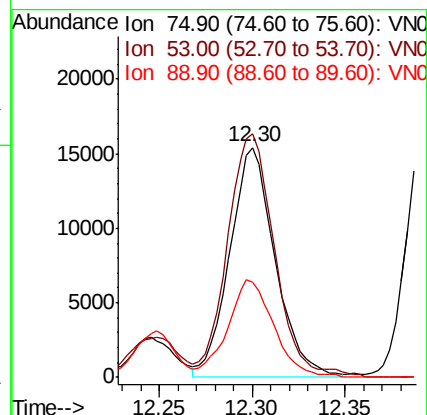
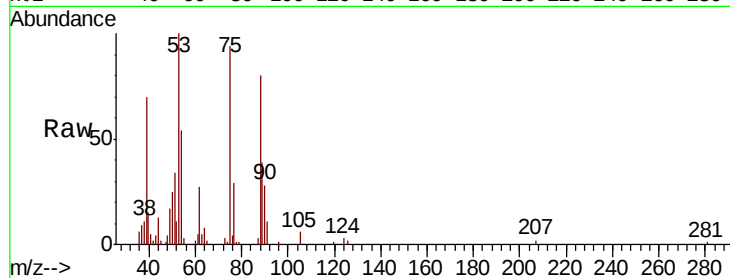
Tot Ion: 75 Resp: 26265

Ion Ratio Lower Upper

75 100

53 109.8 83.9 125.9

89 43.0 34.7 52.1



#82

4-Chlorotoluene

Concen: 10.117 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055587.D

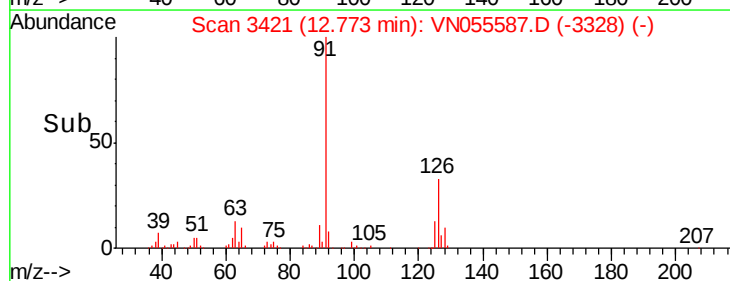
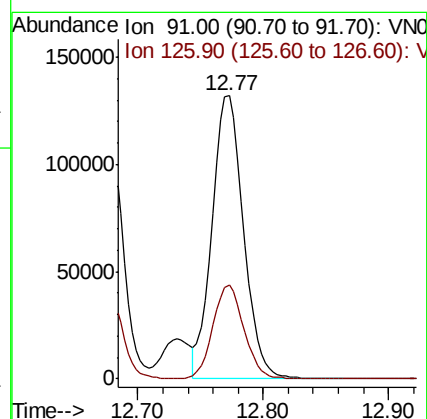
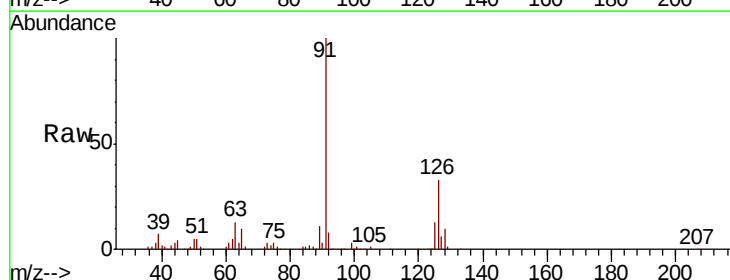
Acq: 14 May 2019 11:57

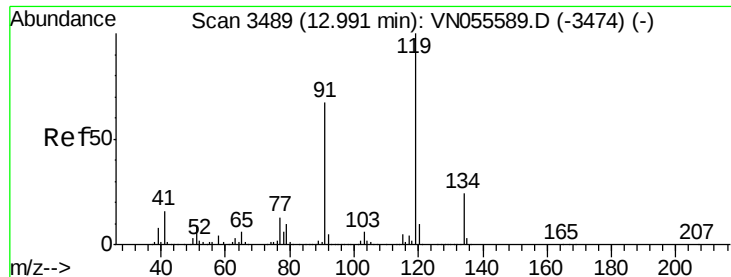
Tgt Ion: 91 Resp: 229142

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6

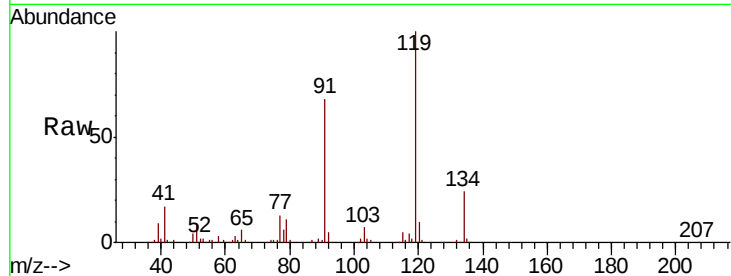




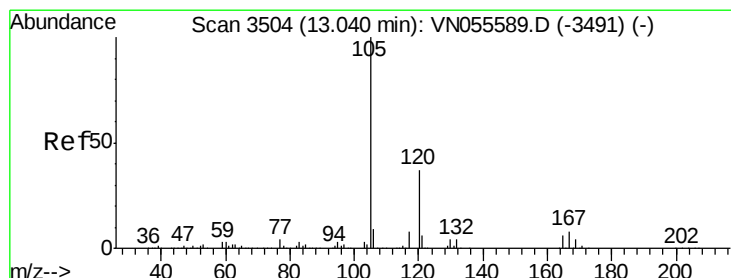
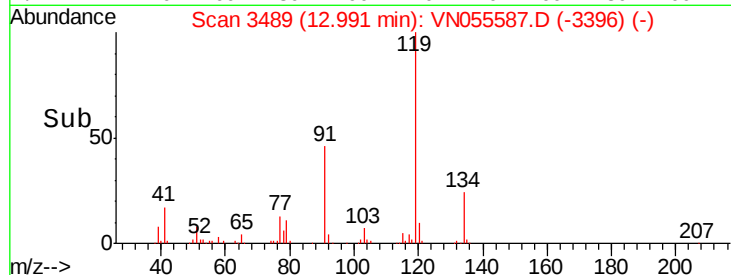
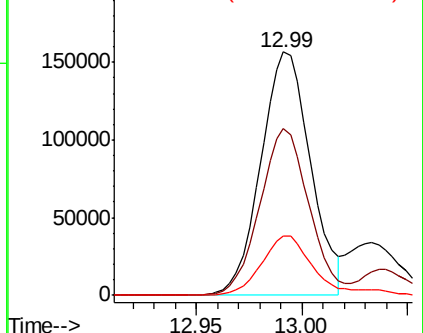
#83
tert-Butylbenzene
Concen: 10.464 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tot Ion:119 Resp: 256757
Ion Ratio Lower Upper
119 100
91 67.4 33.5 100.4
134 26.0 12.7 38.1

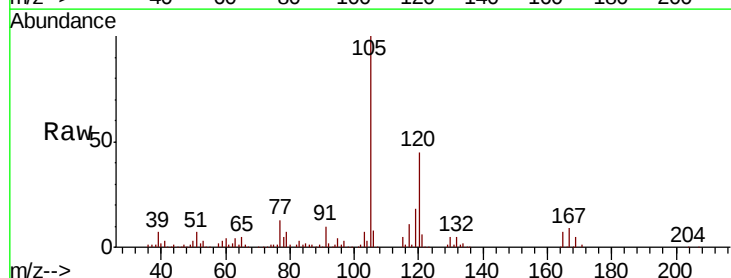


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

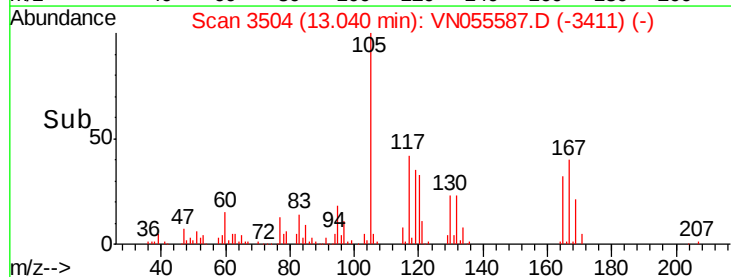
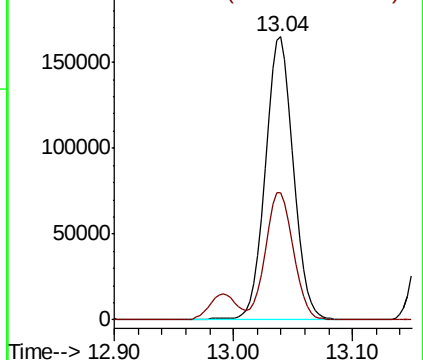


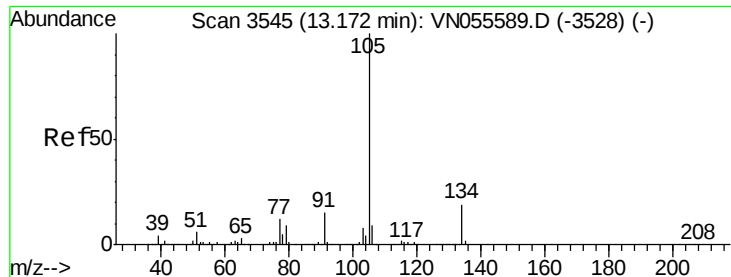
#84
1,2,4-Trimethylbenzene
Concen: 10.245 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion:105 Resp: 269195
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6



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





#85

sec-Butylbenzene

Concen: 10.158 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

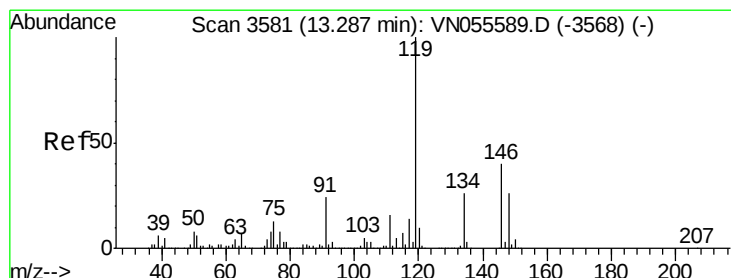
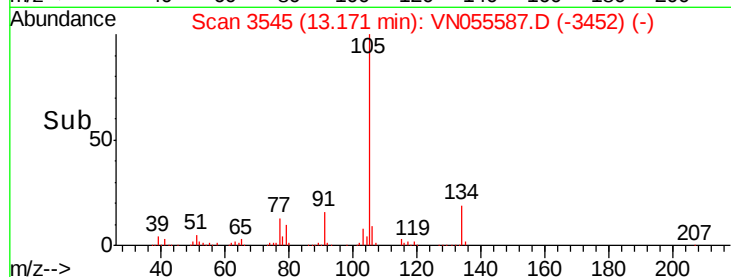
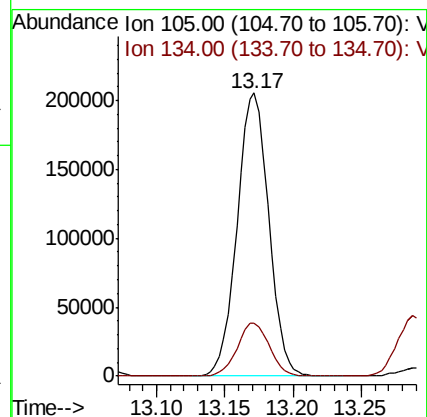
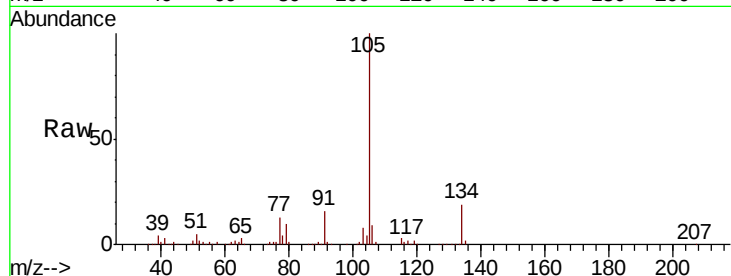
VSTDIC010

Tot Ion:105 Resp: 330831

Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1



#86

p-Isopropyltoluene

Concen: 9.871 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

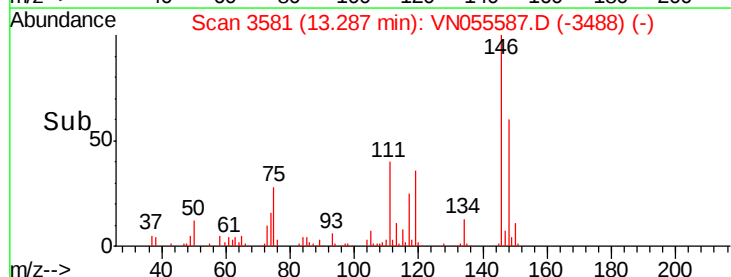
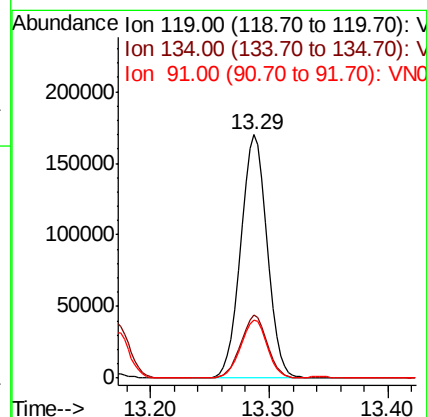
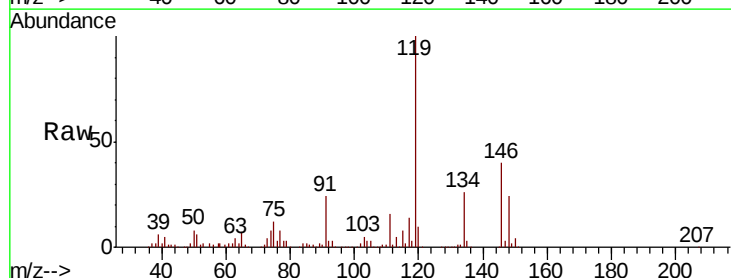
Tgt Ion:119 Resp: 261593

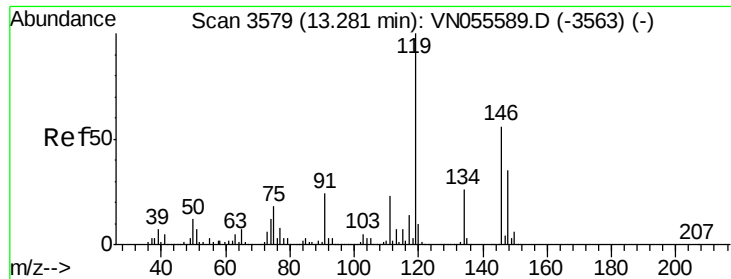
Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 24.3 11.9 35.5

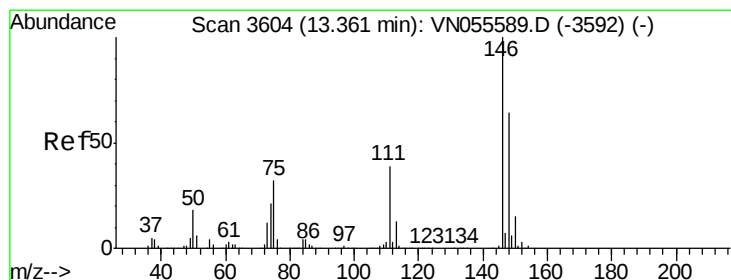
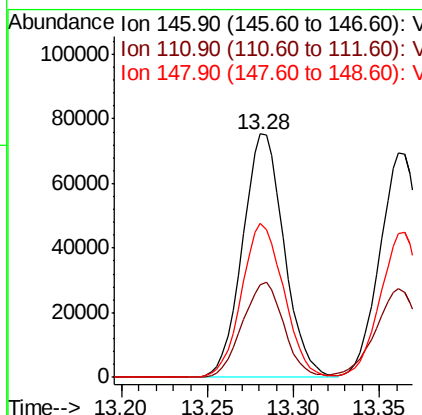
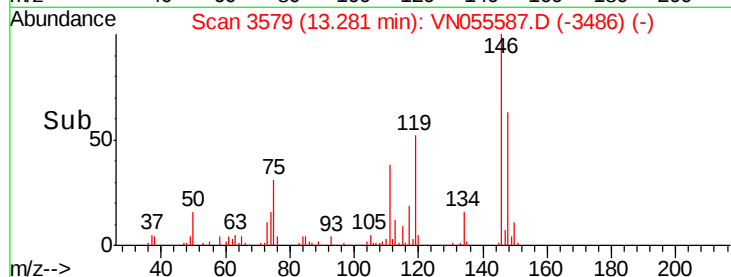
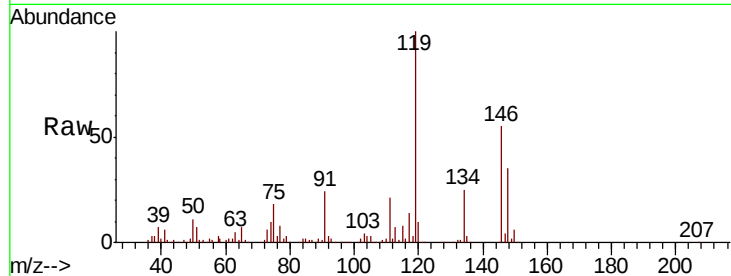




#87
 1,3-Dichlorobenzene
 Concen: 10.334 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

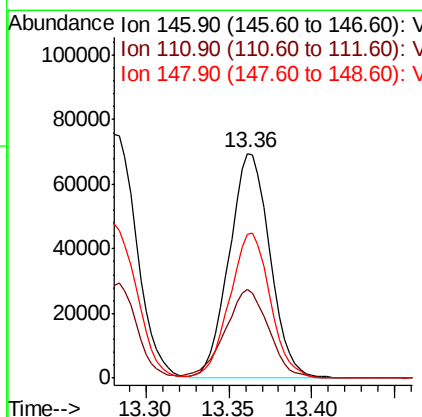
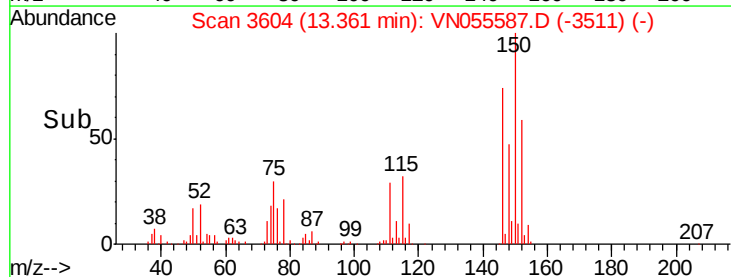
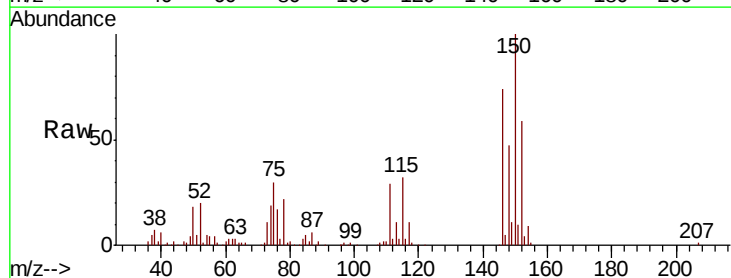
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

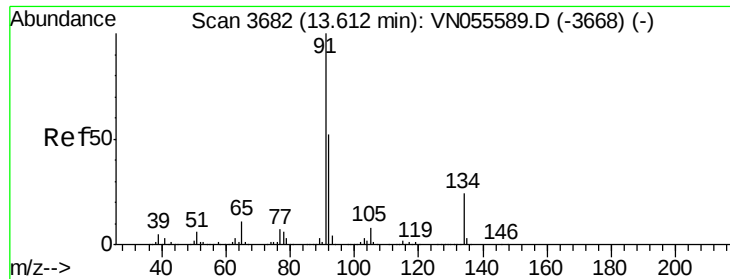
Tot Ion:146 Resp: 126479
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.5 61.5
 148 64.2 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 9.803 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion:146 Resp: 118547
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.7 59.0
 148 65.0 31.8 95.4

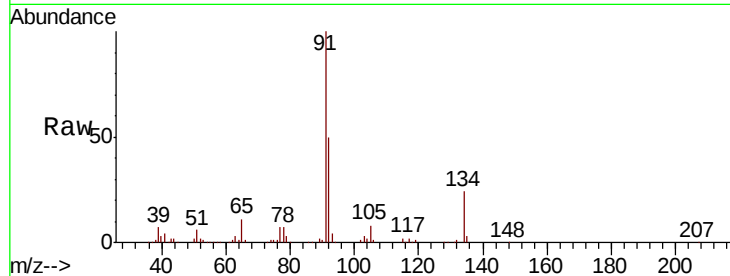




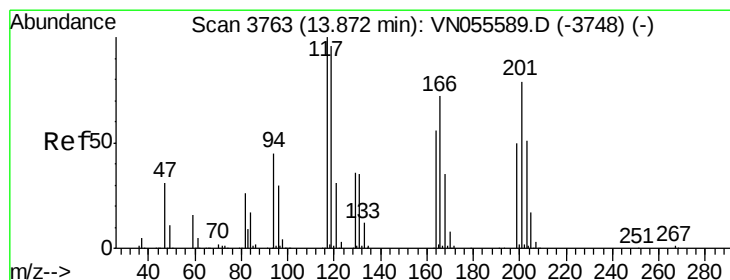
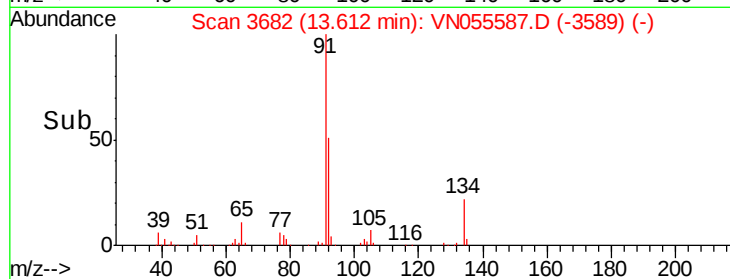
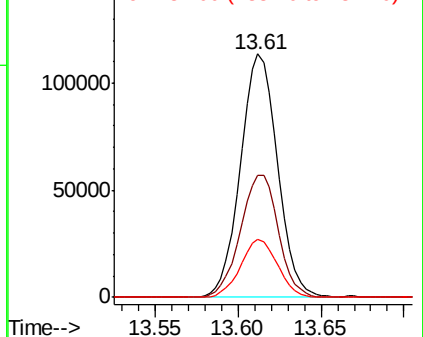
#89
n-Butylbenzene
Concen: 8.693 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 176800
Ion Ratio Lower Upper
91 100
92 51.3 25.9 77.8
134 23.9 12.2 36.4

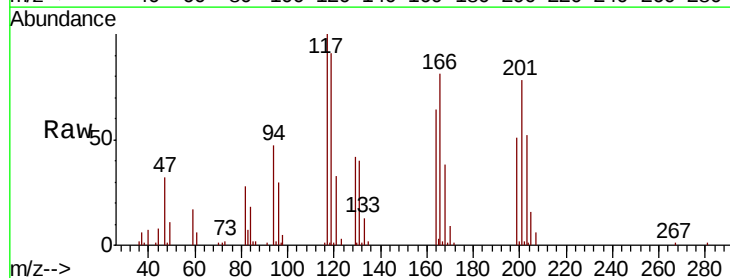


Abundance Ion 91.00 (90.70 to 91.70): VN055589.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN055589.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN055589.D (-3668) (-)

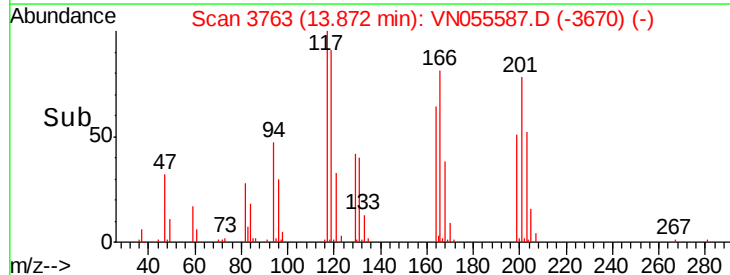
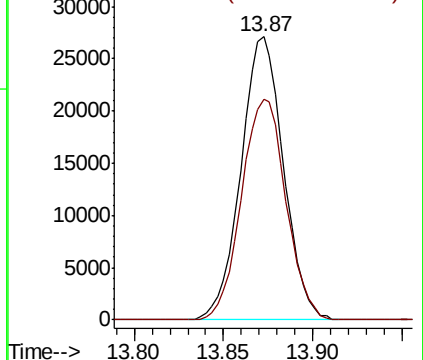


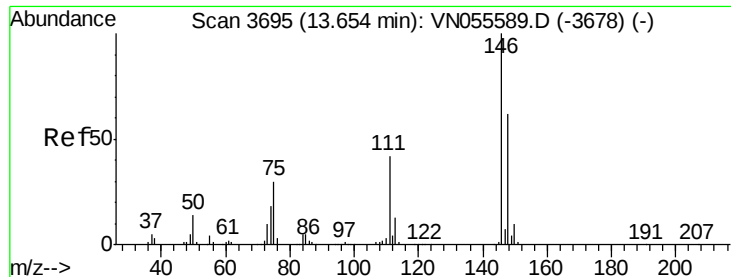
#90
Hexachloroethane
Concen: 10.414 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055587.D
Acq: 14 May 2019 11:57

Tgt Ion: 117 Resp: 45080
Ion Ratio Lower Upper
117 100
201 81.4 40.6 121.8



Abundance Ion 116.80 (116.50 to 117.50): VN055589.D (-3748) (-)
Ion 200.70 (200.40 to 201.40): VN055589.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 10.221 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

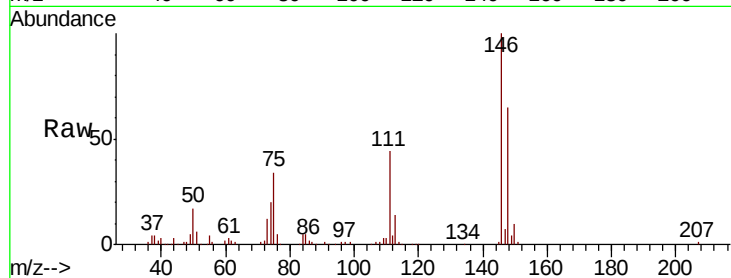
Tot Ion:146 Resp: 125188

Ion Ratio Lower Upper

146 100

111 41.9 21.0 63.0

148 65.1 31.3 93.9

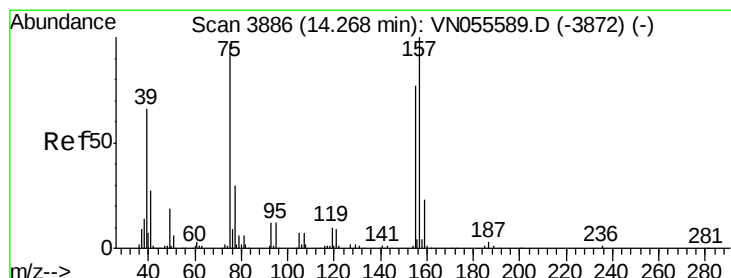
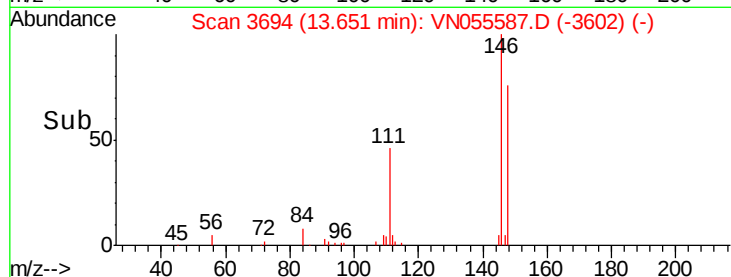
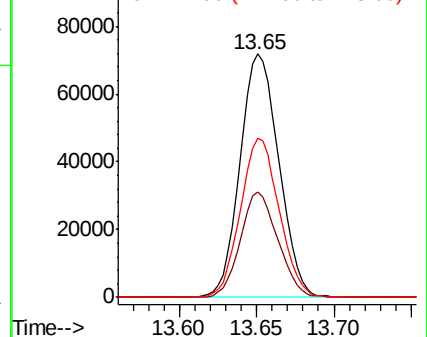


Abundance

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: 8.805 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

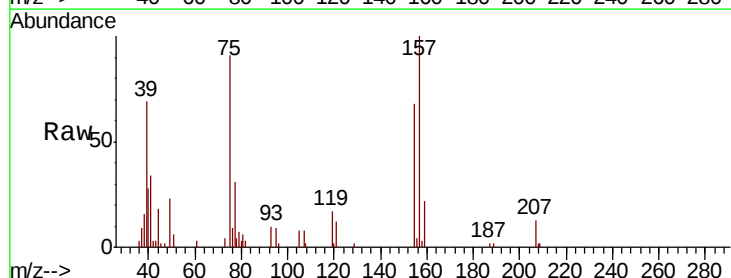
Tgt Ion: 75 Resp: 14278

Ion Ratio Lower Upper

75 100

155 79.8 40.4 121.1

157 110.0 52.1 156.4

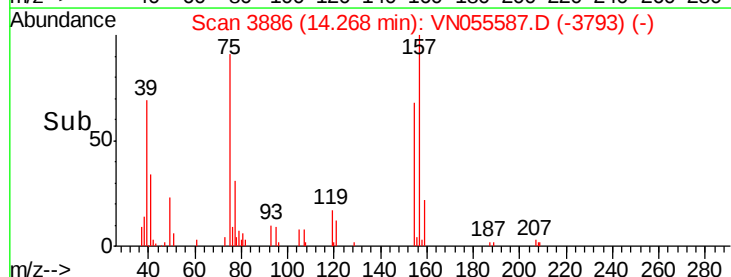
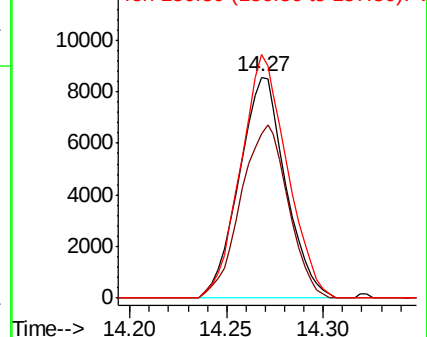


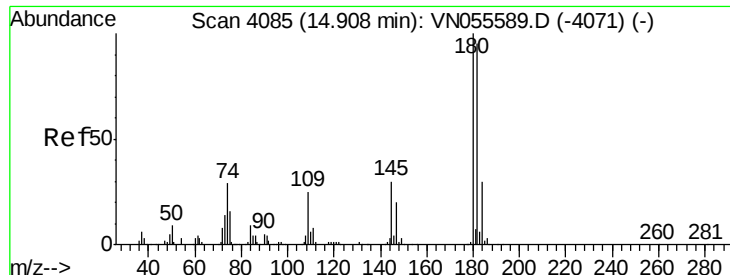
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

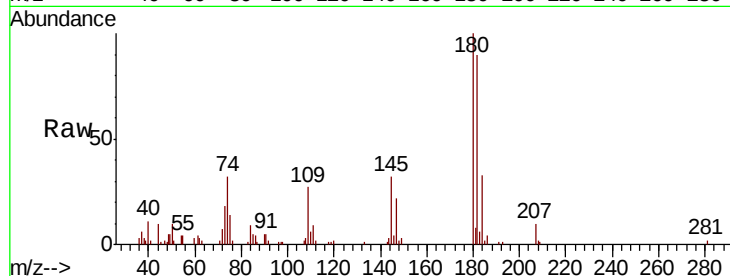




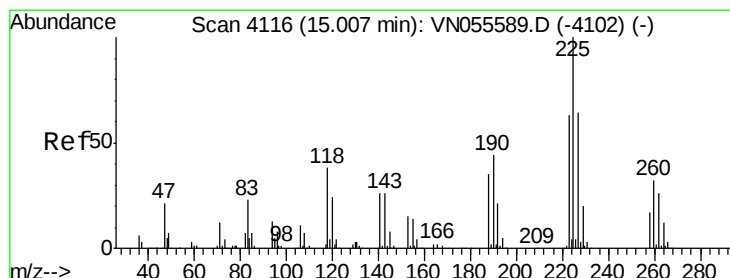
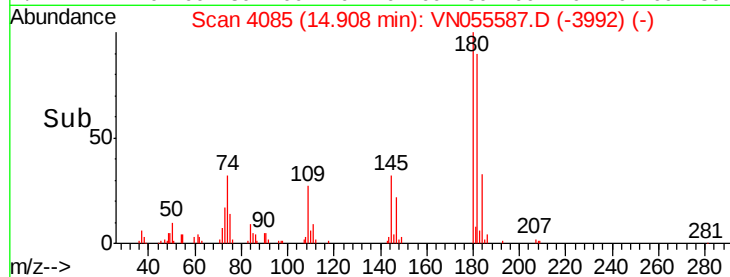
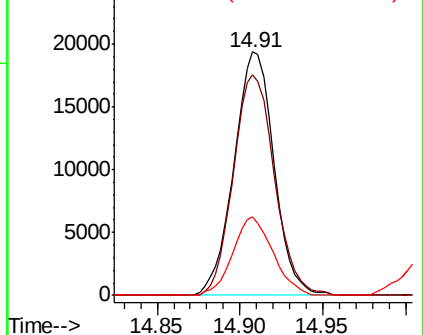
#93
 1,2,4-Trichlorobenzene
 Concen: 7.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tot Ion:180 Resp: 32499
 Ion Ratio Lower Upper
 180 100
 182 93.3 47.4 142.3
 145 32.3 14.9 44.7

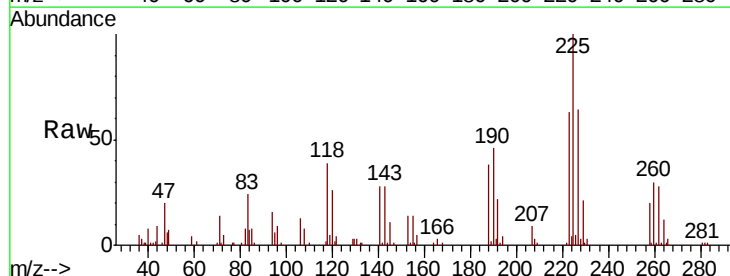


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

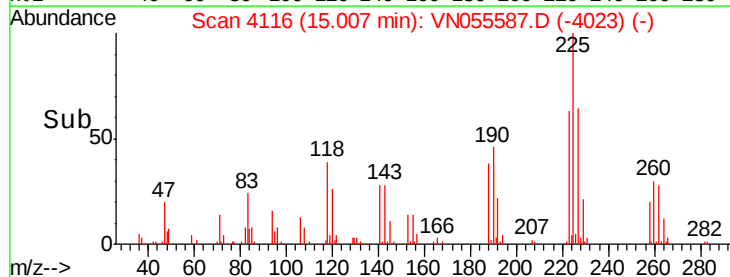
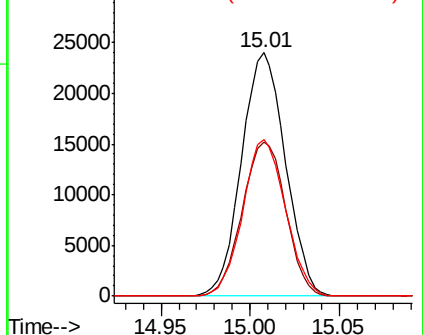


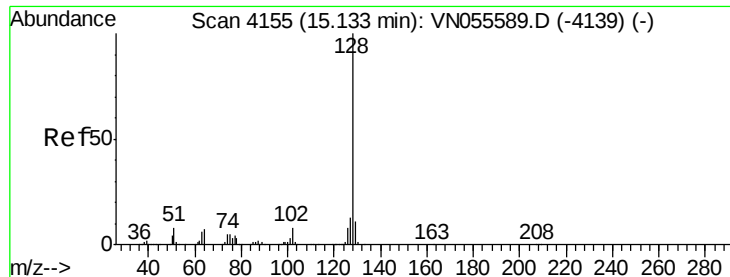
#94
 Hexachlorobutadiene
 Concen: 9.396 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055587.D
 Acq: 14 May 2019 11:57

Tgt Ion:225 Resp: 41221
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.6 95.0
 227 62.6 32.4 97.0



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: 7.965 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

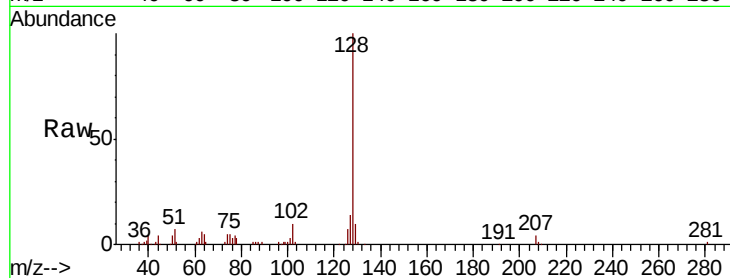
Tot Ion:128 Resp: 96411

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

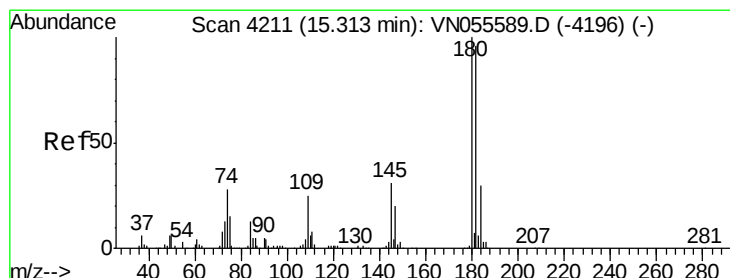
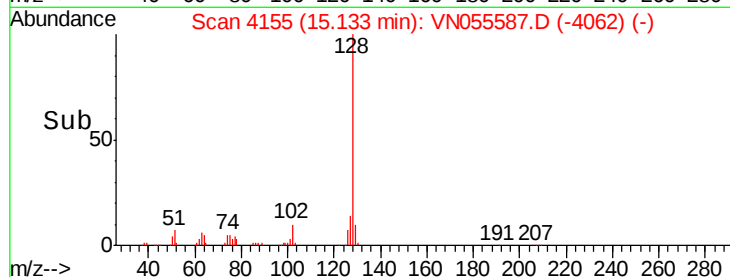
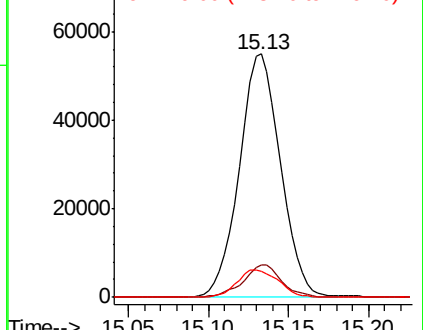
129 11.4 8.8 13.2



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: 7.759 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055587.D

Acq: 14 May 2019 11:57

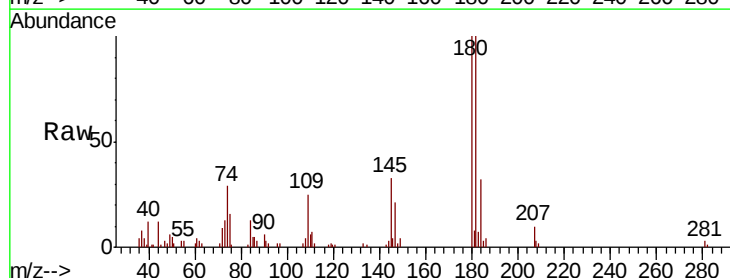
Tgt Ion:180 Resp: 37680

Ion Ratio Lower Upper

180 100

182 98.0 47.9 143.6

145 31.3 15.6 46.7



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

