

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056232.D
 Acq On : 11 Jun 2019 18:58
 Operator : JC/SP
 Sample : K3284-07MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Quant Time: Jun 12 06:36:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	291902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	410384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	366621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	153886	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.59	113	143360	56.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.88%	
50) Toluene-d8	10.09	98	529676	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
62) 4-Bromofluorobenzene	12.40	95	173552	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	149759	46.723	ug/l	98
3) Chloromethane	2.06	50	156644	49.505	ug/l	100
4) Vinyl Chloride	2.18	62	159155	50.143	ug/l	99
5) Bromomethane	2.54	94	95807	47.784	ug/l	100
6) Chloroethane	2.69	64	91294	49.609	ug/l	100
7) Trichlorofluoromethane	3.01	101	203017	50.103	ug/l	100
8) Diethyl Ether	3.40	74	78253	46.962	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	124830	50.715	ug/l	98
10) Methyl Iodide	3.94	142	187738	47.996	ug/l	100
11) Tert butyl alcohol	4.82	59	102474	203.171	ug/l	99
12) 1,1-Dichloroethene	3.72	96	124909	50.973	ug/l	96
13) Acrolein	3.60	56	51800	356.099	ug/l	99
14) Allyl chloride	4.31	41	191694	49.541	ug/l	99
15) Acrylonitrile	4.99	53	340824	277.592	ug/l	99
16) Acetone	3.82	43	263513	190.099	ug/l	100
17) Carbon Disulfide	4.04	76	308124	52.515	ug/l	99
18) Methyl Acetate	4.33	43	133561	49.040	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	391691	50.146	ug/l	99
20) Methylene Chloride	4.54	84	144384	50.557	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	136153	51.856	ug/l	95
22) Diisopropyl ether	5.96	45	401267	50.167	ug/l	98
23) Vinyl Acetate	5.90	43	1444165	229.270	ug/l	99
24) 1,1-Dichloroethane	5.84	63	239017	51.803	ug/l	99
25) 2-Butanone	6.84	43	430435	245.766	ug/l	99
26) 2,2-Dichloropropane	6.82	77	132797	36.885	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	155494	50.382	ug/l	96
28) Bromochloromethane	7.19	49	119165	54.614	ug/l	96
29) Tetrahydrofuran	7.22	42	291289	269.061	ug/l	99
30) Chloroform	7.37	83	243092	52.374	ug/l	98
31) Cyclohexane	7.65	56	216984	47.180	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	202948	52.361	ug/l	100
36) 1,1-Dichloropropene	7.79	75	174953	49.580	ug/l	99
37) Ethyl Acetate	6.93	43	156698	49.908	ug/l	99
38) Carbon Tetrachloride	7.77	117	175619	53.982	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215233	48.963	ug/l	99
40) Benzene	8.04	78	565057	52.723	ug/l	99
41) Methacrylonitrile	7.18	41	81907	56.700	ug/l	94
42) 1,2-Dichloroethane	8.12	62	180520	52.363	ug/l	99
43) Isopropyl Acetate	8.17	43	250528	49.241	ug/l #	91
44) Trichloroethene	8.83	130	162118	52.641	ug/l	96
45) 1,2-Dichloropropane	9.12	63	147578	53.758	ug/l	100
46) Dibromomethane	9.21	93	96908	53.983	ug/l	96
47) Bromodichloromethane	9.40	83	182905	56.217	ug/l	99
48) Methyl methacrylate	9.20	41	130733	52.522	ug/l	96
49) 1,4-Dioxane	9.20	88	53770	1000.619	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	859974	270.291	ug/l	99
52) Toluene	10.16	92	347411	52.092	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	173321	45.655	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204476	52.284	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142937	54.107	ug/l	98
56) Ethyl methacrylate	10.43	69	208583	54.121	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229996	53.556	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.71	63	135	14.958	ug/l #	46
59) 2-Hexanone	10.75	43	590734	256.173	ug/l	99
60) Dibromochloromethane	10.90	129	154425	52.854	ug/l	98
61) 1,2-Dibromoethane	11.00	107	145946	54.041	ug/l	97
64) Tetrachloroethene	10.63	164	155365	48.957	ug/l	99
65) Chlorobenzene	11.43	112	376520	51.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	143147	56.818	ug/l	98
67) Ethyl Benzene	11.51	91	645686	50.892	ug/l	98
68) m/p-Xylenes	11.62	106	494857	102.101	ug/l	98
69) o-Xylene	11.95	106	242180	50.798	ug/l	99
70) Styrene	11.96	104	400601	52.885	ug/l	99
71) Bromoform	12.13	173	113783	53.586	ug/l #	99
73) Isopropylbenzene	12.25	105	632930	54.834	ug/l	100
74) N-amyl acetate	12.07	43	189892	43.804	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	194582	51.541	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217573	72.708	ug/l #	100
77) Bromobenzene	12.53	156	174626	50.154	ug/l	95
78) n-propylbenzene	12.59	91	669182	48.639	ug/l	99
79) 2-Chlorotoluene	12.67	91	405232	53.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	515832	47.175	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43235	48.115	ug/l	91
82) 4-Chlorotoluene	12.77	91	394287	48.985	ug/l	99
83) tert-Butylbenzene	12.99	119	461931	54.705	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	507710	48.964	ug/l	99
85) sec-Butylbenzene	13.17	105	585450	48.050	ug/l	99
86) p-Isopropyltoluene	13.29	119	526830	48.314	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271653	50.410	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	259515	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	386775	47.881	ug/l	100
90) Hexachloroethane	13.87	117	90216	54.860	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	271371	49.879	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30761	56.967	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	131643	44.429	ug/l	99
94) Hexachlorobutadiene	15.01	225	102556	55.176	ug/l	97
95) Naphthalene	15.13	128	344939	44.781	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	147356	48.335	ug/l	100

(#) = 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: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

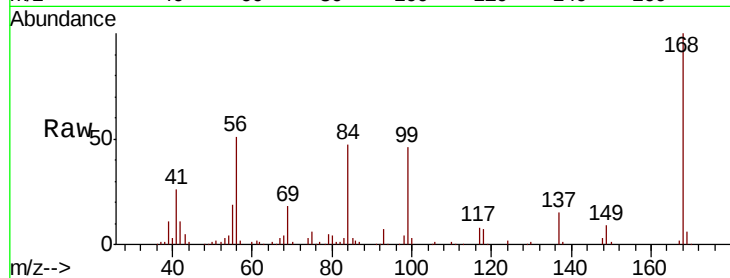
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:168 Resp: 291902

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

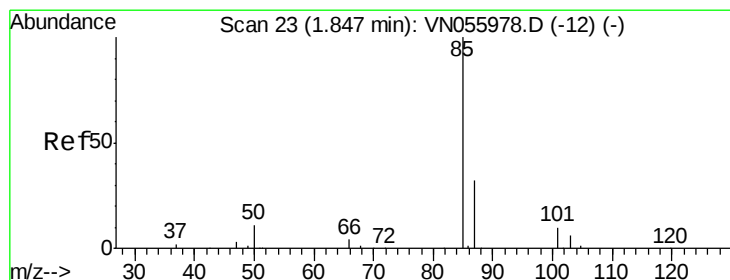
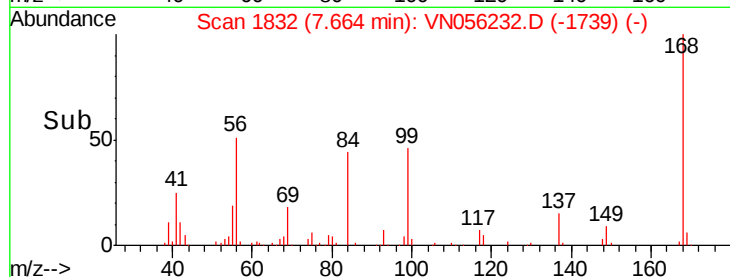
7.66

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 46.723 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056232.D

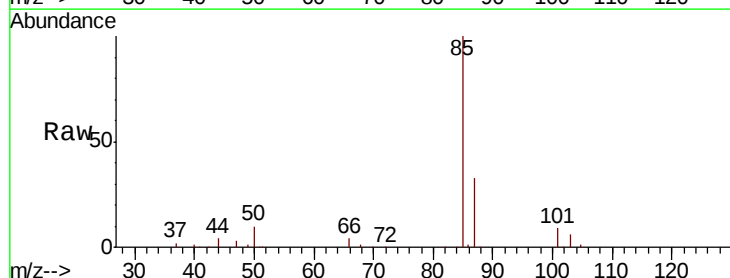
Acq: 11 Jun 2019 18:58

Tgt Ion: 85 Resp: 149759

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

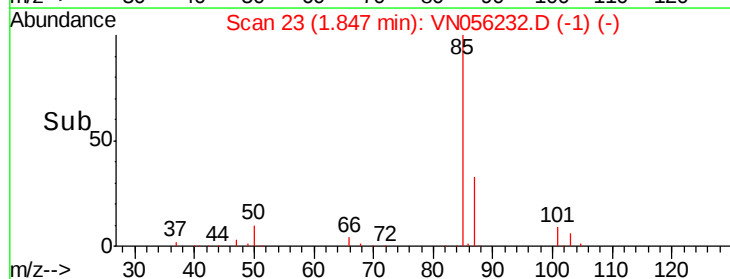
60000

40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 49.505 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

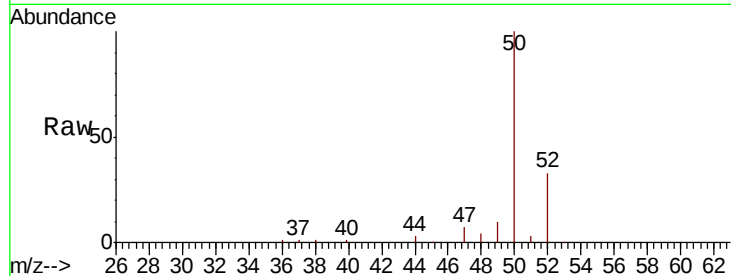
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 50 Resp: 156644

Ion Ratio Lower Upper

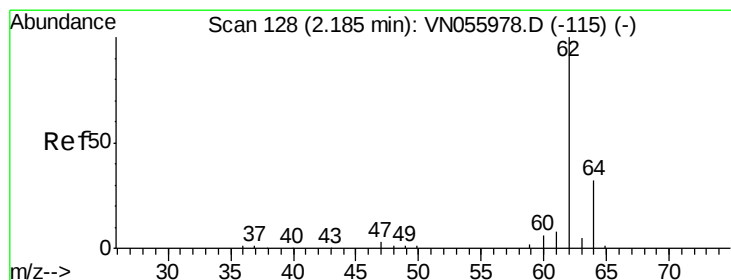
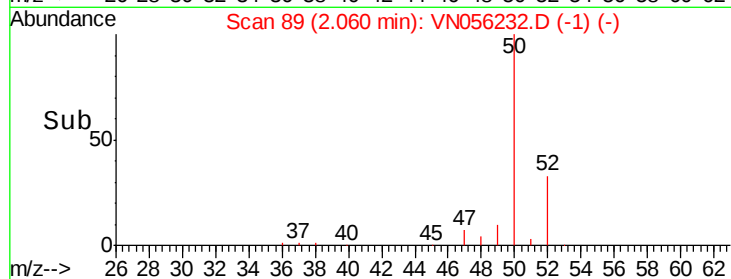
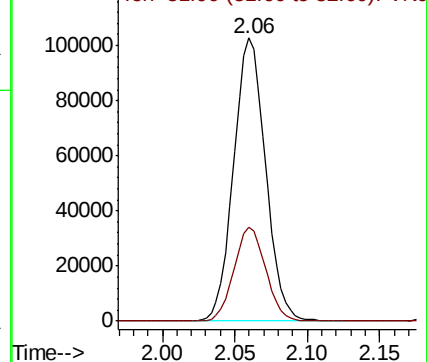
50 100

52 33.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 50.143 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056232.D

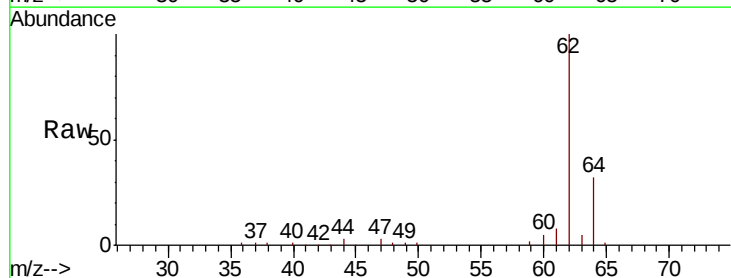
Acq: 11 Jun 2019 18:58

Tgt Ion: 62 Resp: 159155

Ion Ratio Lower Upper

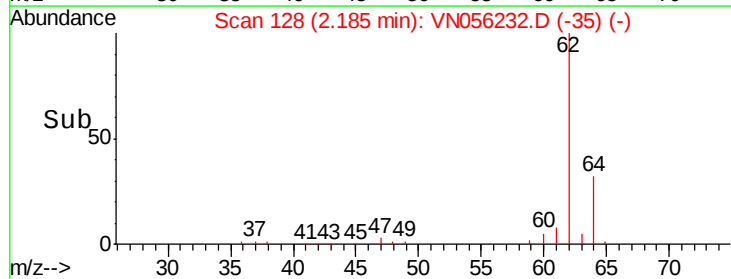
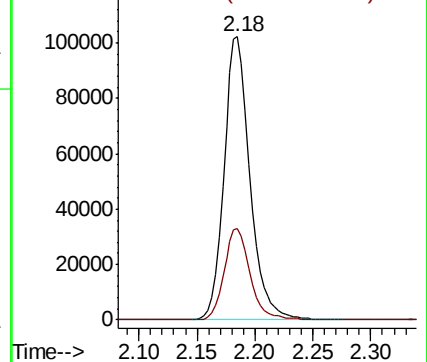
62 100

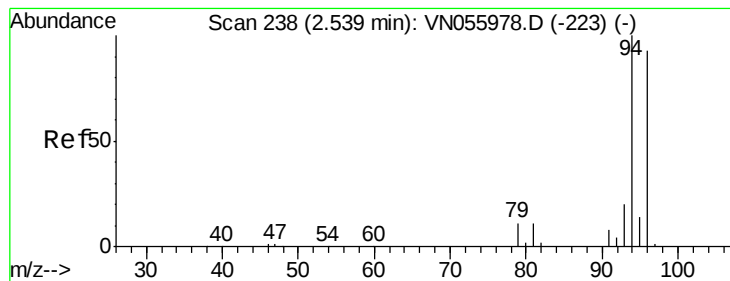
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.784 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

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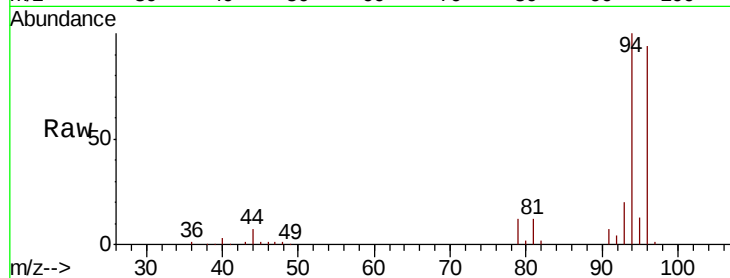
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 94 Resp: 95807

Ion Ratio Lower Upper

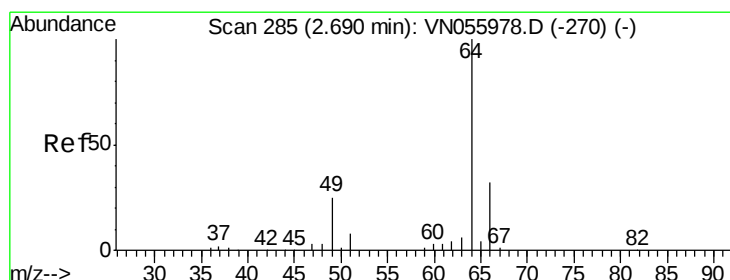
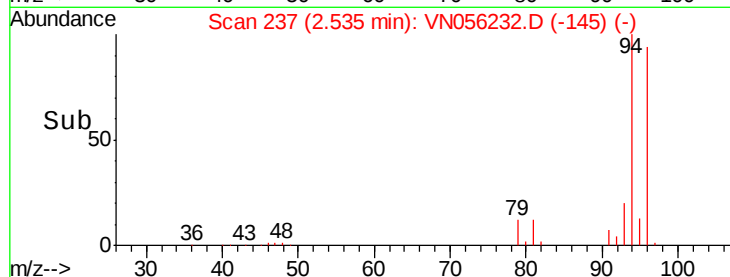
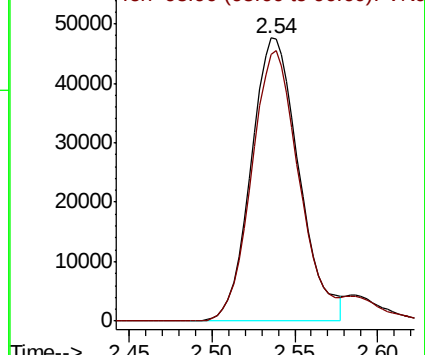
94 100

96 94.2 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.609 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056232.D

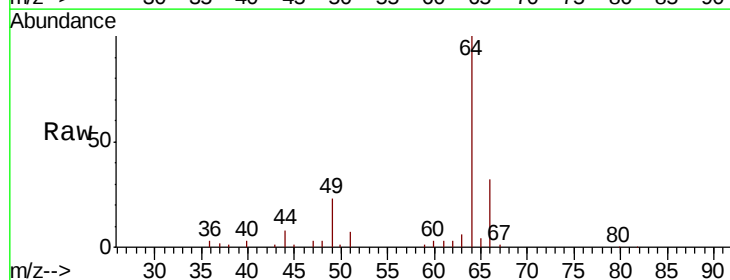
Acq: 11 Jun 2019 18:58

Tgt Ion: 64 Resp: 91294

Ion Ratio Lower Upper

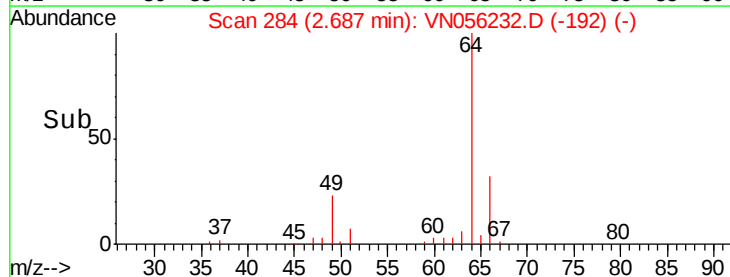
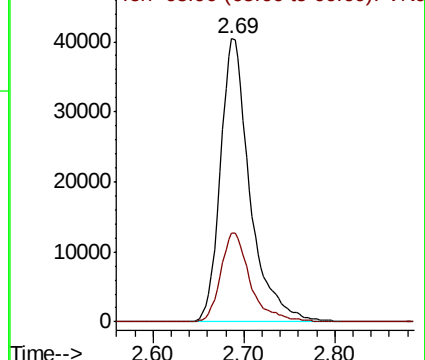
64 100

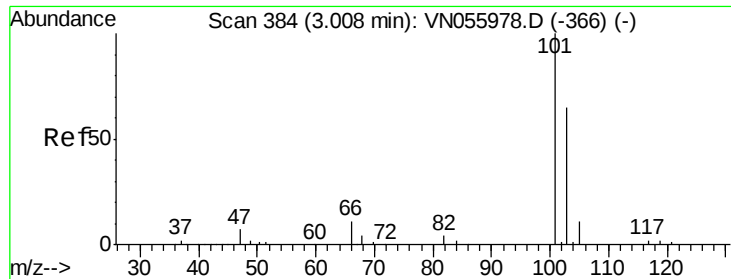
66 31.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



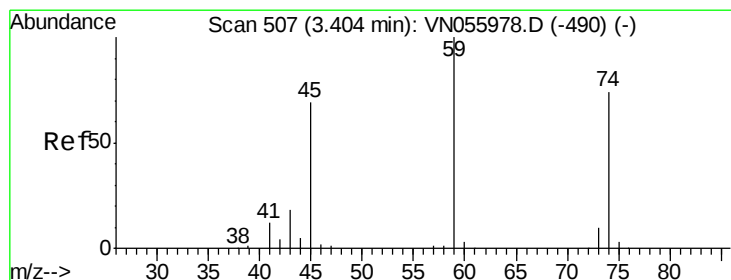
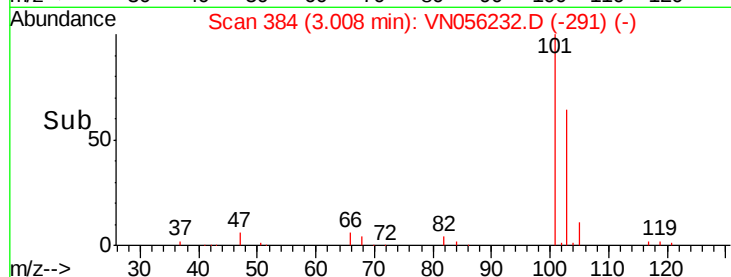
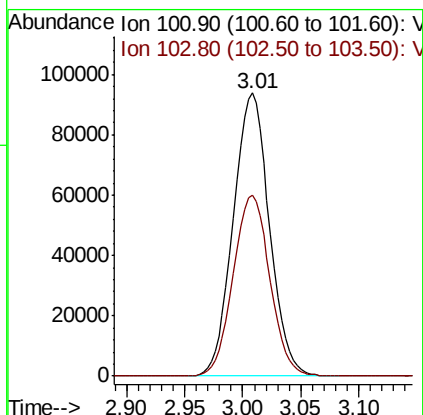
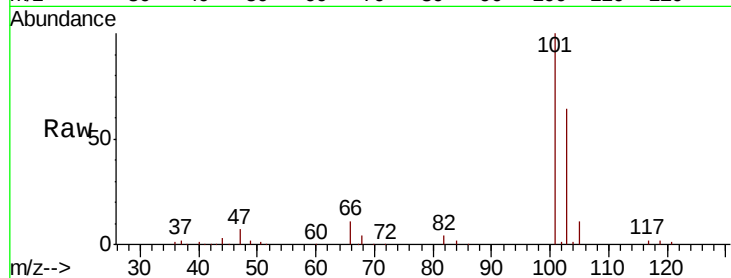


#7

Trichlorofluoromethane
Concen: 50.103 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

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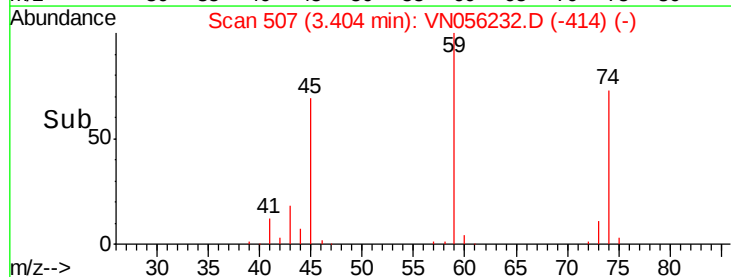
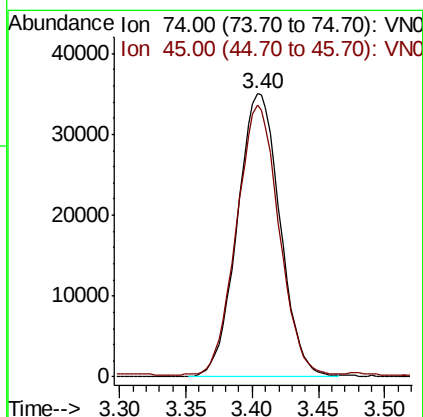
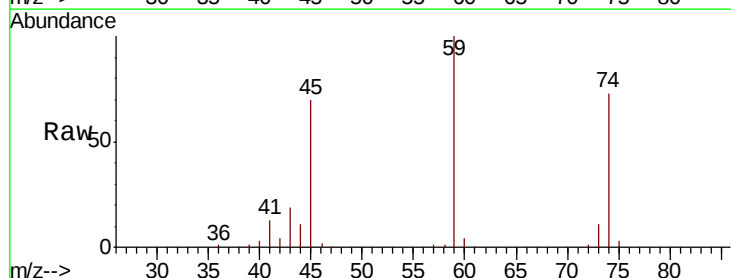
Tot Ion:101 Resp: 203017
Ion Ratio Lower Upper
101 100
103 64.1 51.2 76.8

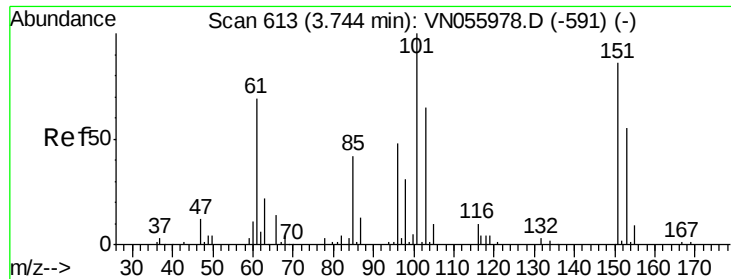


#8

Diethyl Ether
Concen: 46.962 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 74 Resp: 78253
Ion Ratio Lower Upper
74 100
45 95.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.715 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

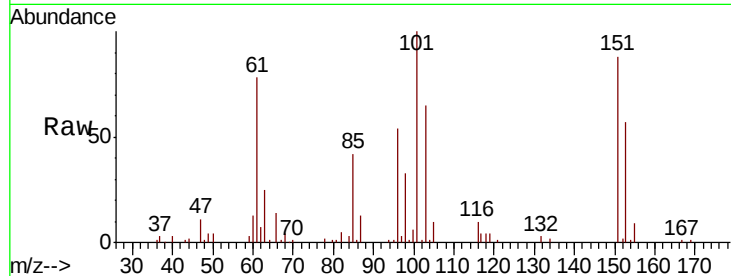
Tot Ion:101 Resp: 124830

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

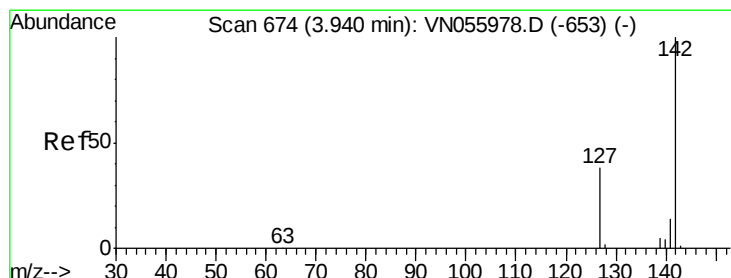
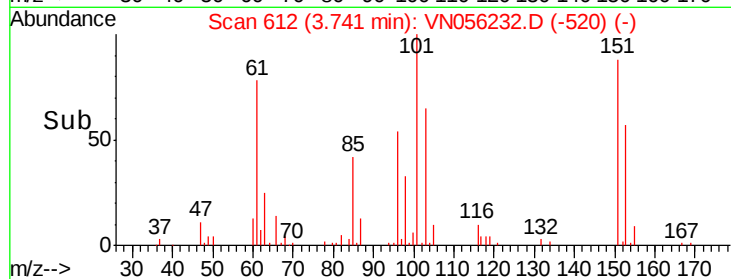
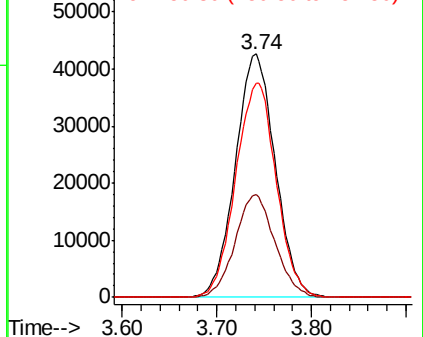
151 89.3 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.996 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

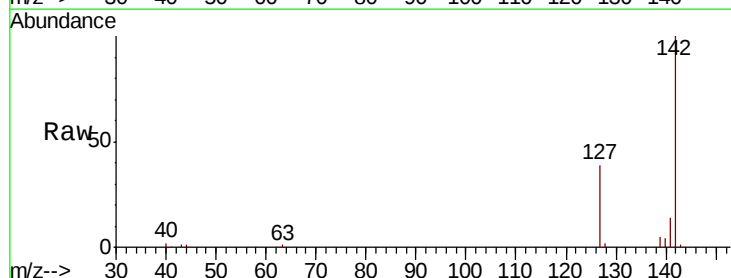
Tgt Ion:142 Resp: 187738

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

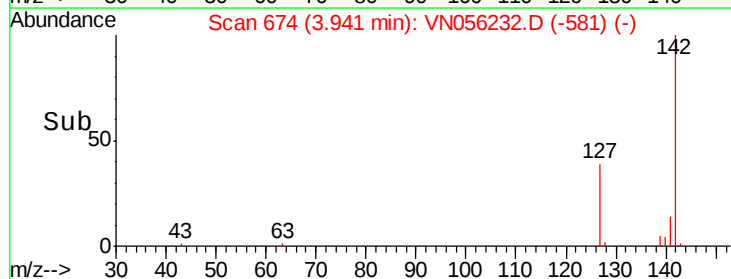
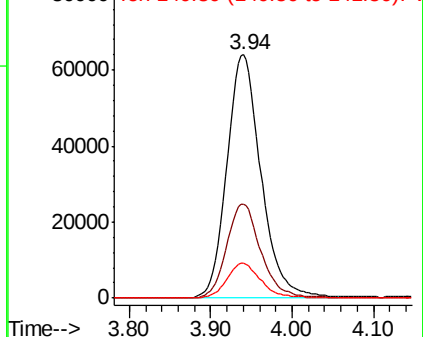
141 14.2 11.4 17.0

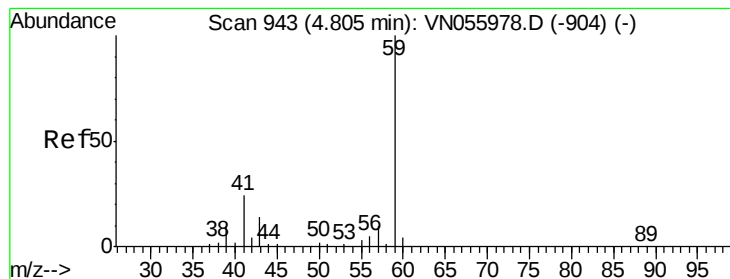


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



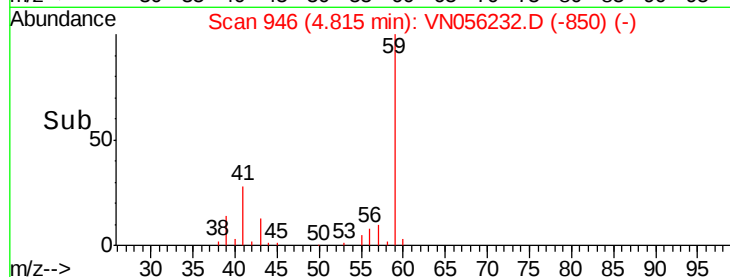
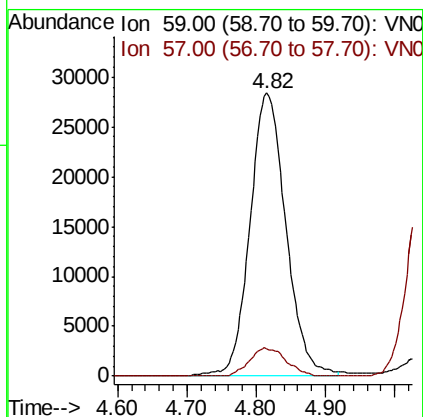
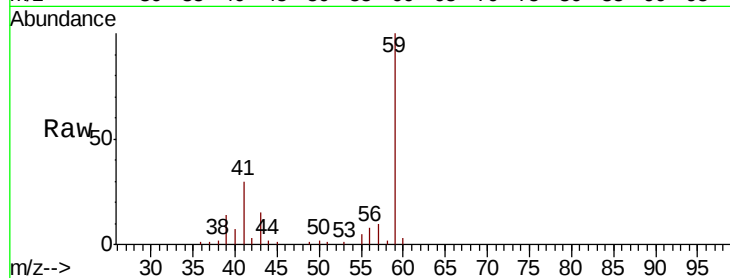


#11

Tert butyl alcohol
 Concen: 203.171 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

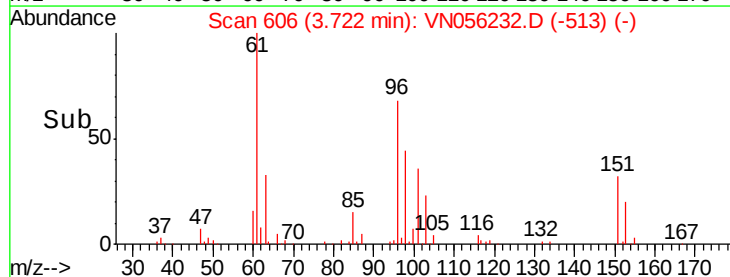
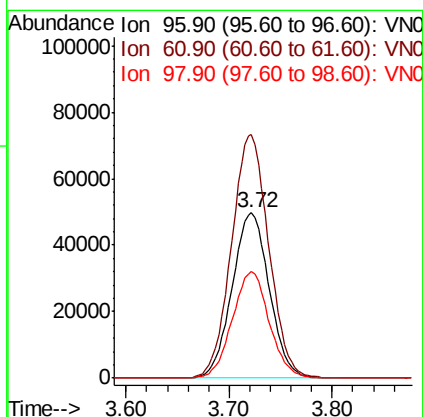
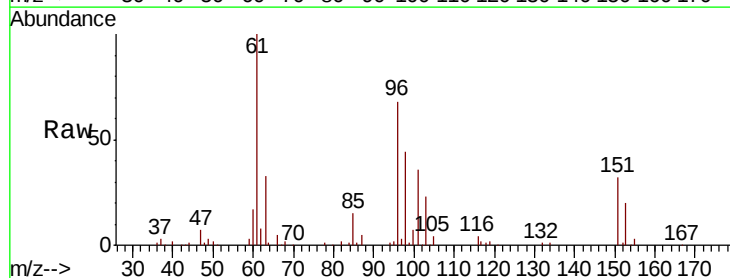
Tot Ion: 59 Resp: 102474
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.8 11.6

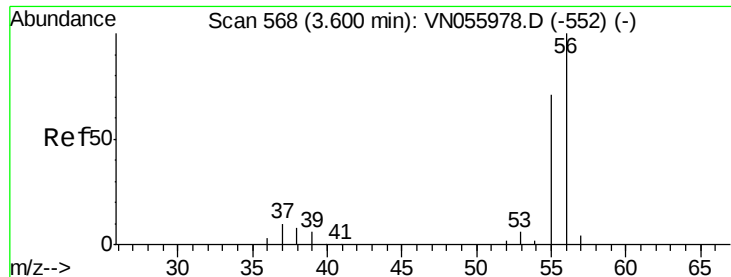


#12

1,1-Dichloroethene
 Concen: 50.973 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 96 Resp: 124909
 Ion Ratio Lower Upper
 96 100
 61 147.6 123.2 184.8
 98 64.4 50.4 75.6





#13

Acrolein

Concen: 356.099 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

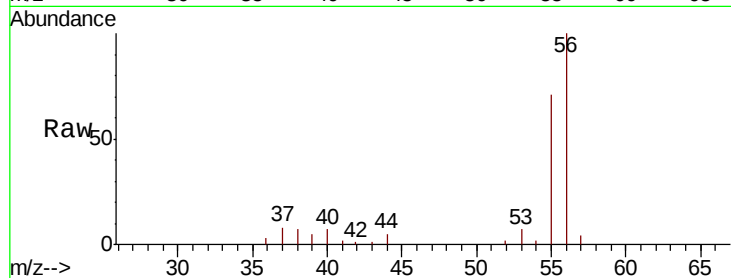
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 56 Resp: 51800

Ion Ratio Lower Upper

56 100

55 70.2 55.4 83.2



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

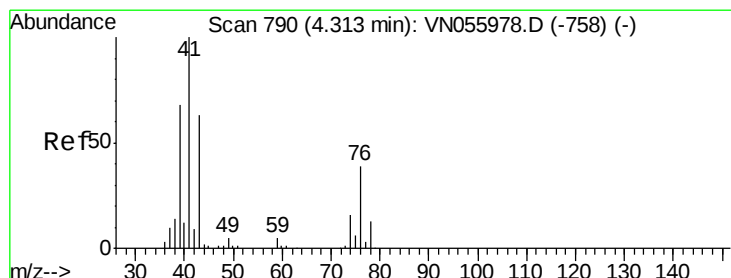
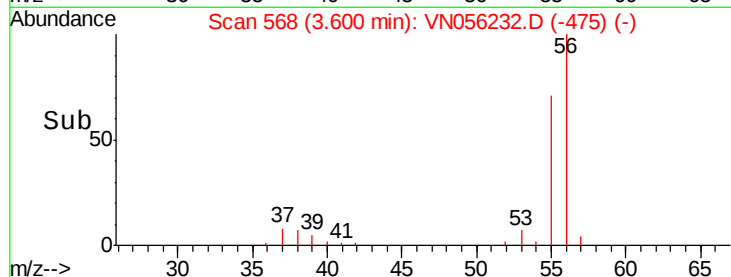
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 49.541 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

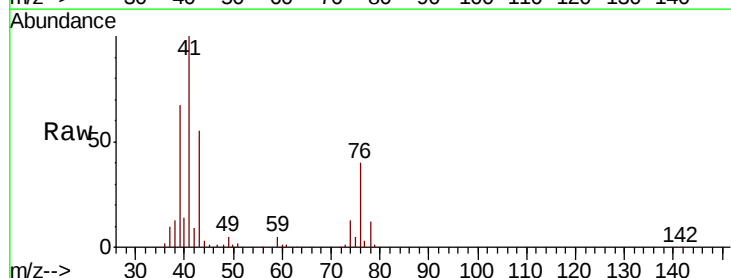
Tgt Ion: 41 Resp: 191694

Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

76 35.5 28.2 42.2



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

4.31

80000

60000

40000

20000

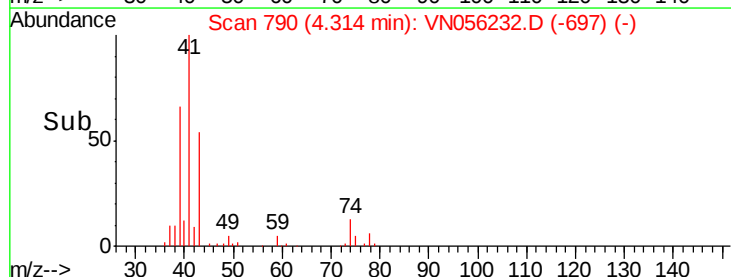
0

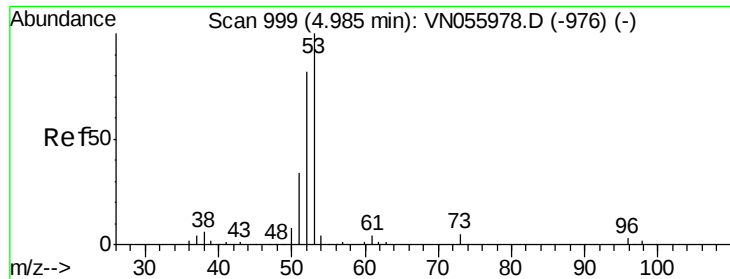
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 277.592 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

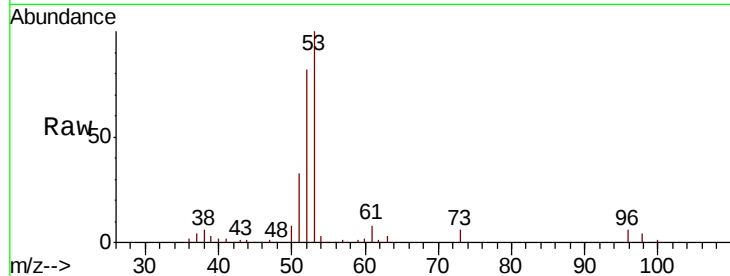
Tot Ion: 53 Resp: 340824

Ion Ratio Lower Upper

53 100

52 81.5 65.8 98.8

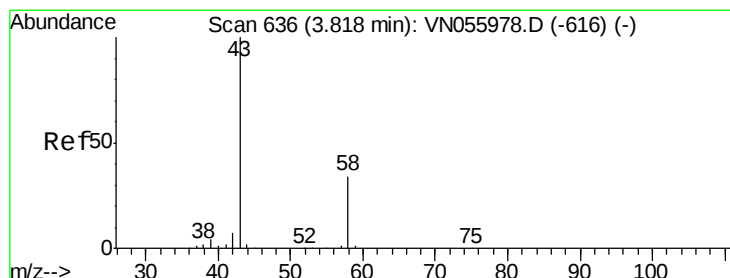
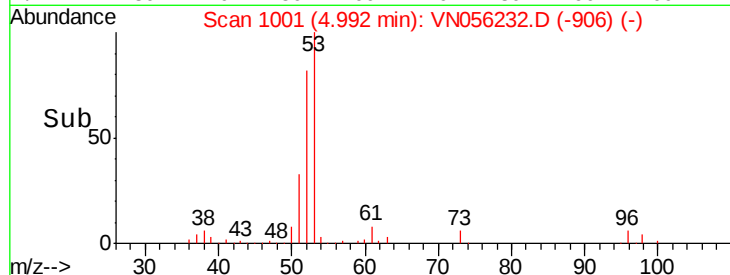
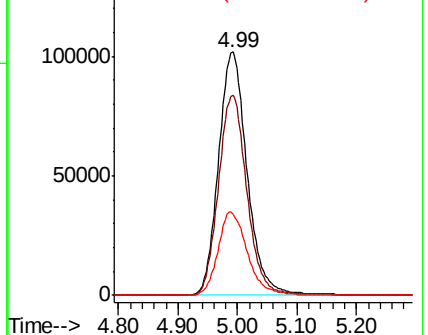
51 35.1 28.2 42.4



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: 190.099 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056232.D

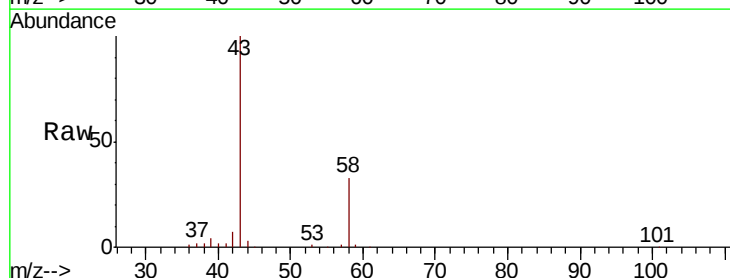
Acq: 11 Jun 2019 18:58

Tgt Ion: 43 Resp: 263513

Ion Ratio Lower Upper

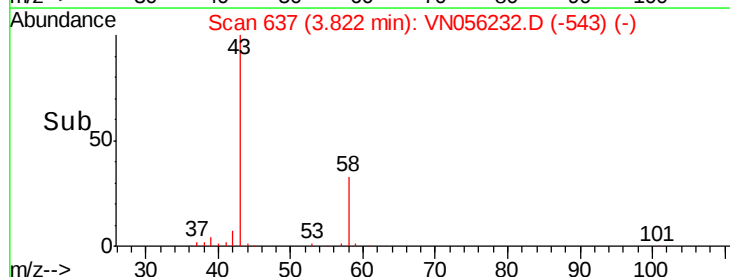
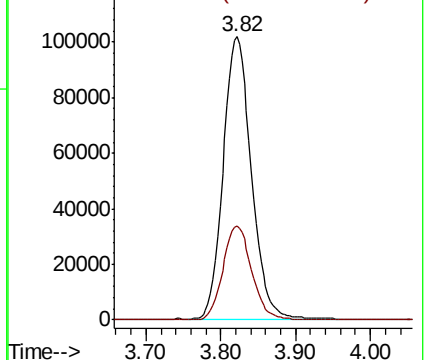
43 100

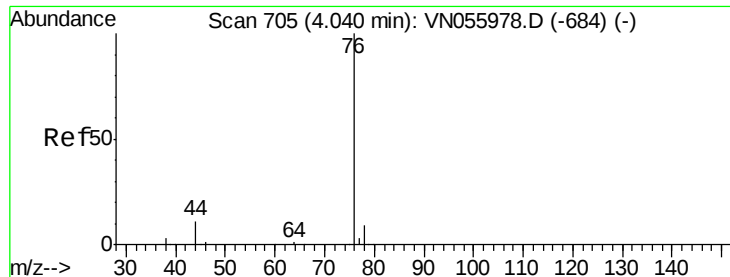
58 33.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

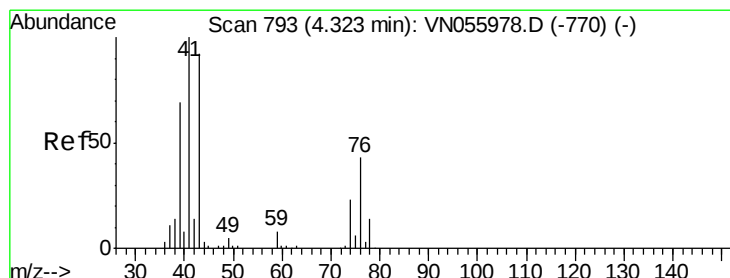
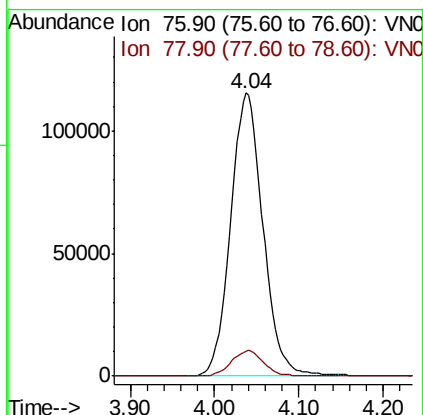
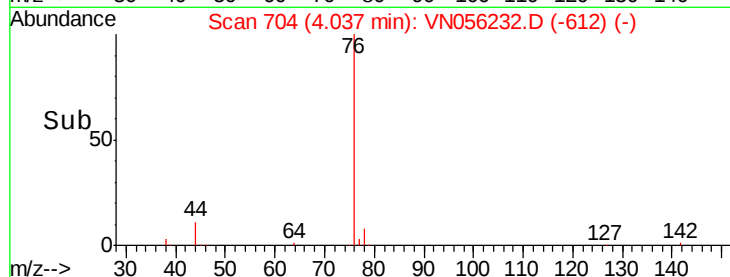
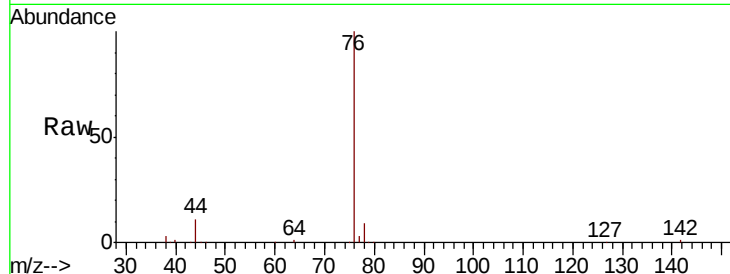




#17
Carbon Disulfide
Concen: 52.515 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

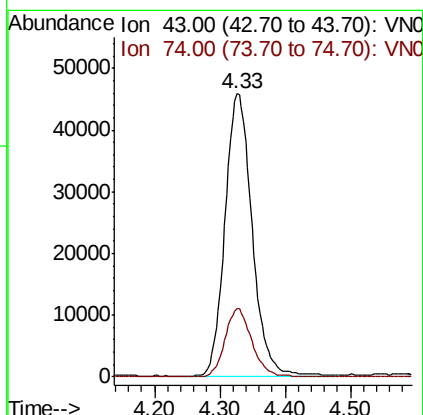
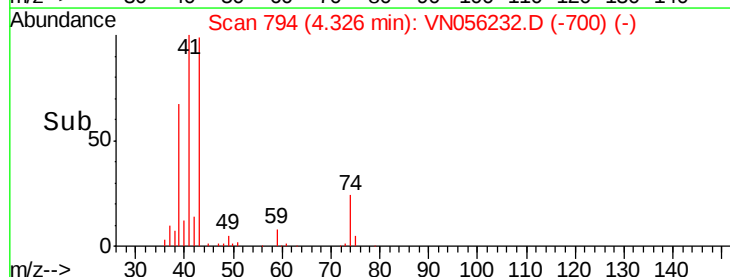
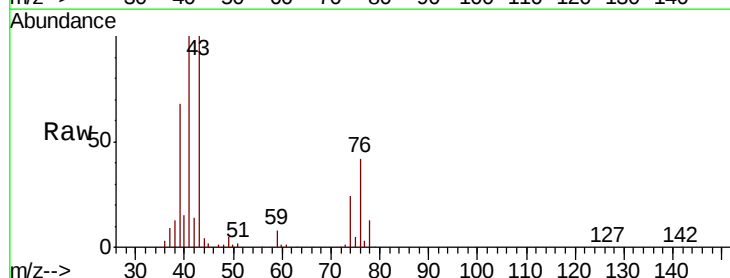
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 76 Resp: 308124
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 49.040 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 43 Resp: 133561
Ion Ratio Lower Upper
43 100
74 23.4 19.3 28.9

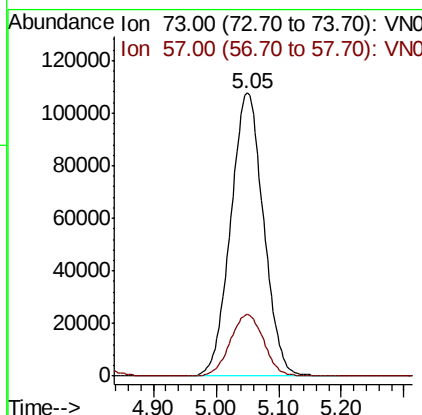
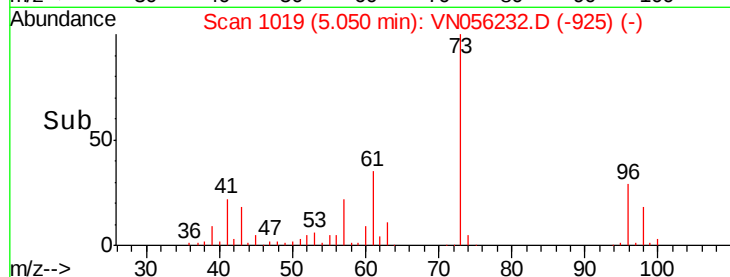
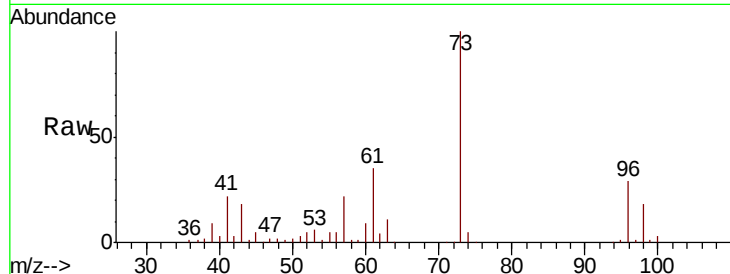




#19
Methvl tert-butvl Ether
Concen: 50.146 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

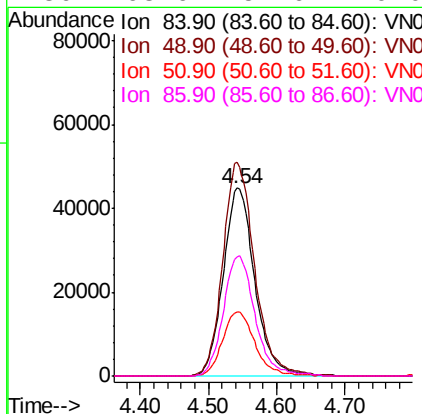
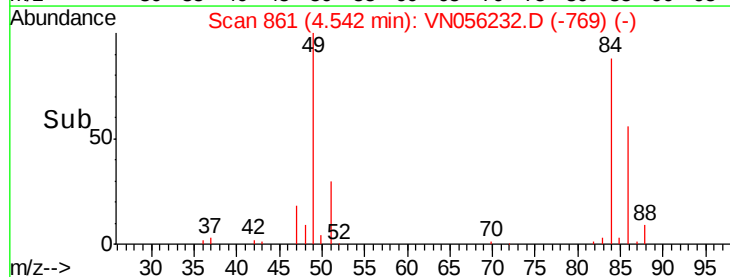
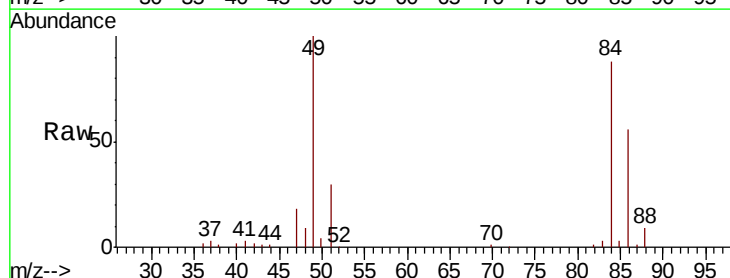
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

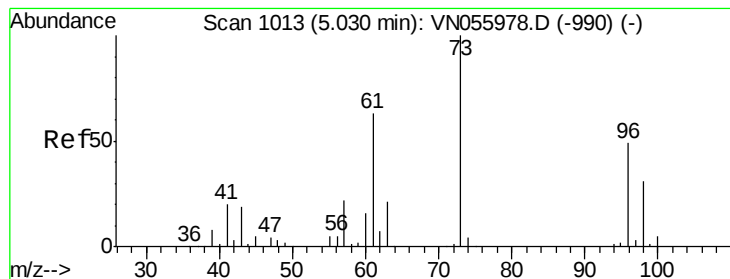
Tot Ion: 73 Resp: 391691
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 50.557 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 84 Resp: 144384
Ion Ratio Lower Upper
84 100
49 113.8 93.5 140.3
51 34.1 28.6 43.0
86 63.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 51.856 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

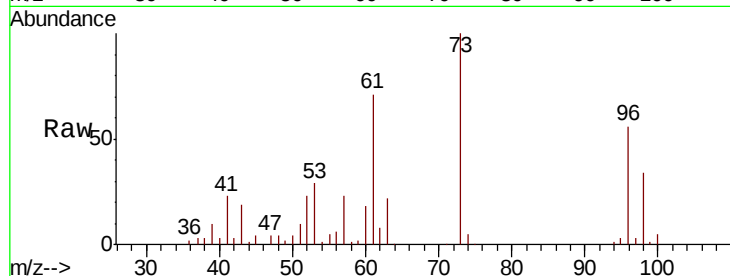
Tot Ion: 96 Resp: 136153

Ion Ratio Lower Upper

96 100

61 126.2 107.8 161.8

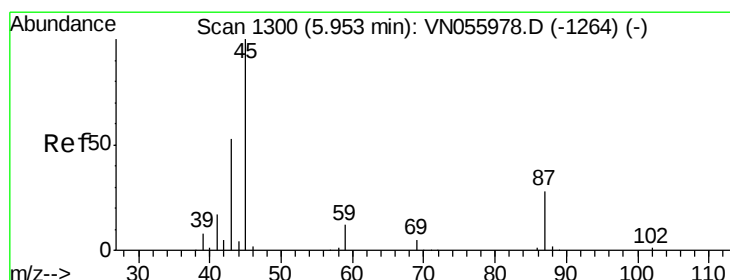
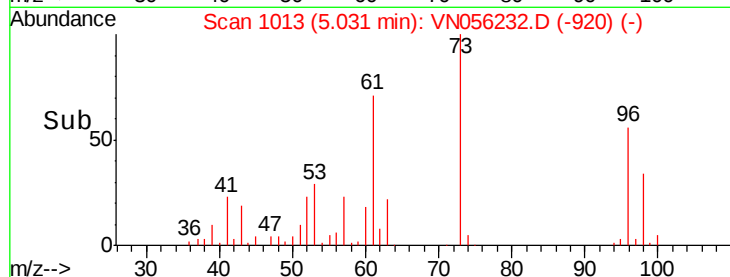
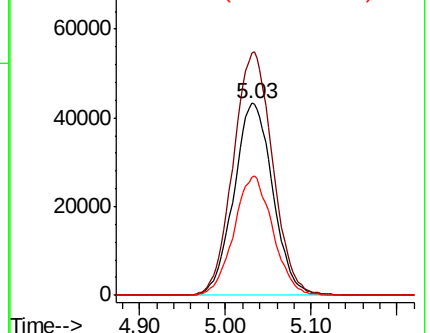
98 61.4 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN056232.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN056232.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN056232.D (-1207) (-)



#22

Diisopropyl ether

Concen: 50.167 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion: 45 Resp: 401267

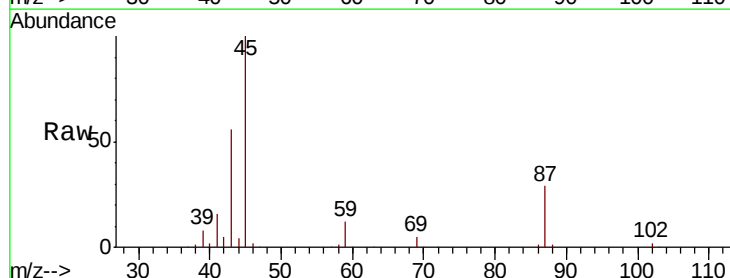
Ion Ratio Lower Upper

45 100

43 54.3 45.0 67.6

87 28.5 22.2 33.4

59 12.0 9.1 13.7

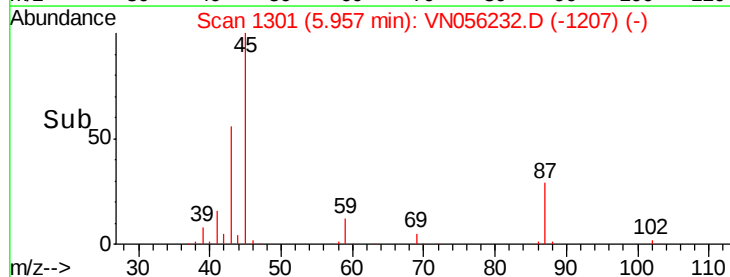
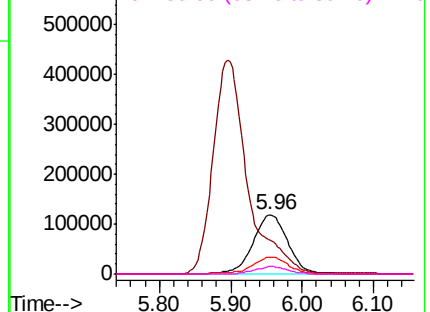


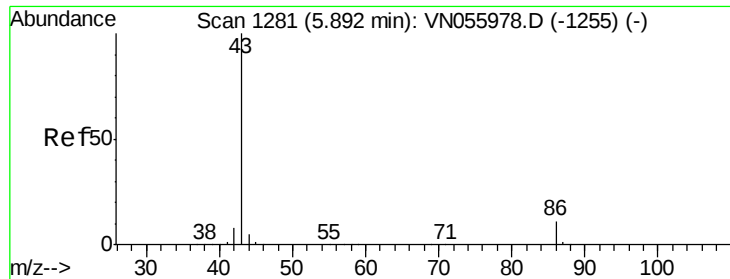
Abundance Ion 45.00 (44.70 to 45.70): VN056232.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056232.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056232.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056232.D (-1207) (-)

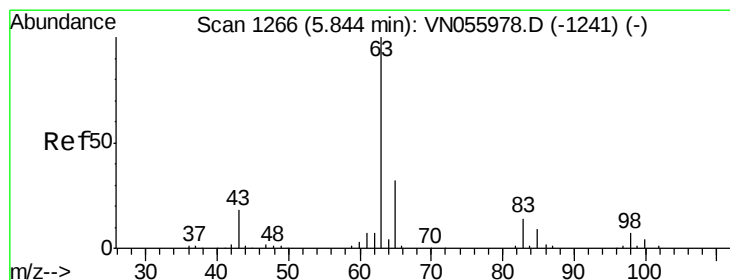
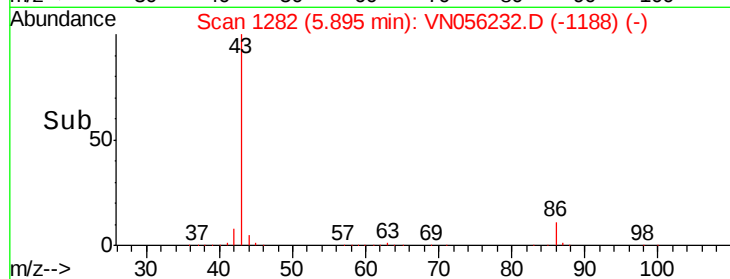
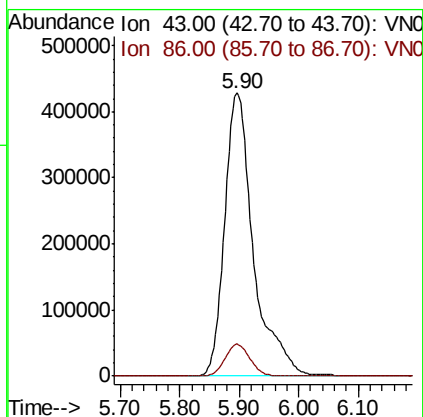
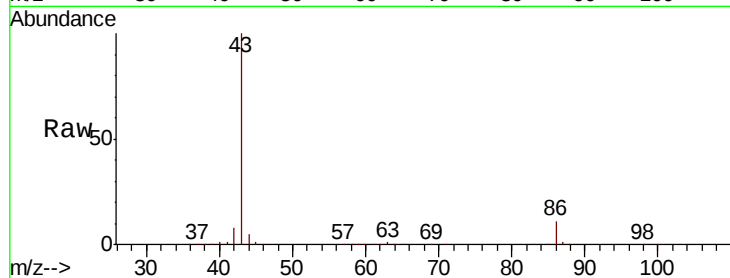




#23
 Vinyl Acetate
 Concen: 229.270 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

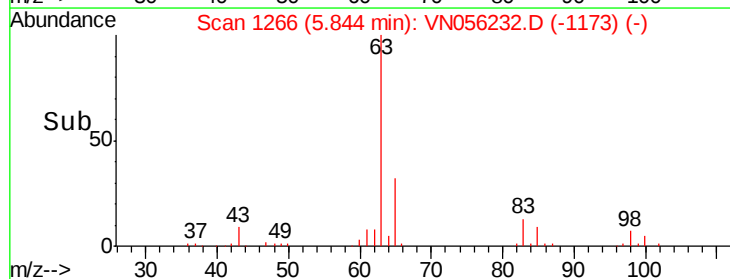
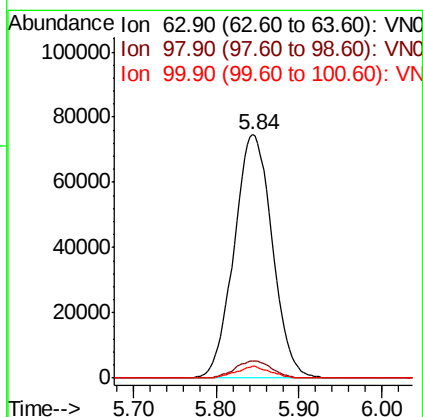
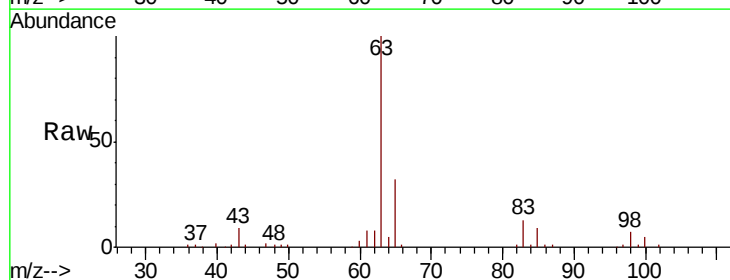
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 1444165
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 51.803 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 63 Resp: 239017
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.1
 100 4.8 2.2 6.6

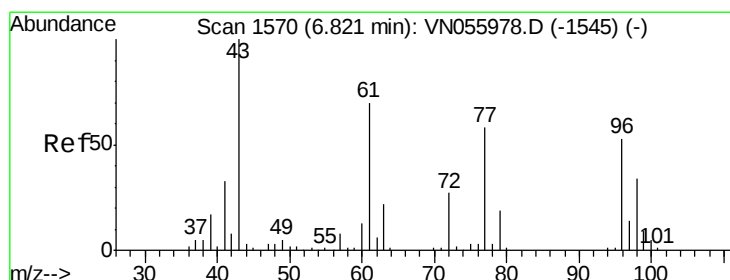
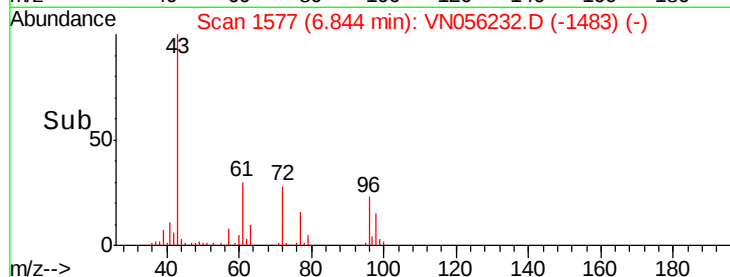
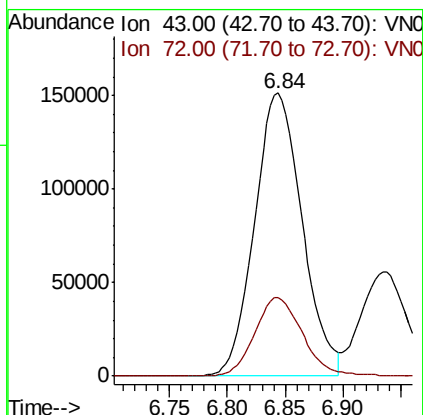
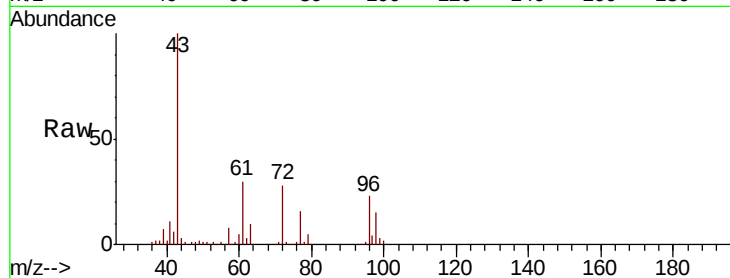




#25
2-Butanone
Concen: 245.766 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

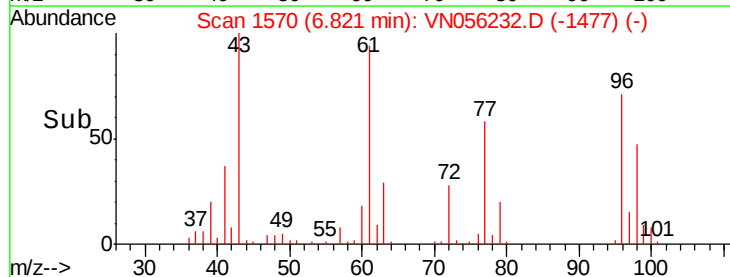
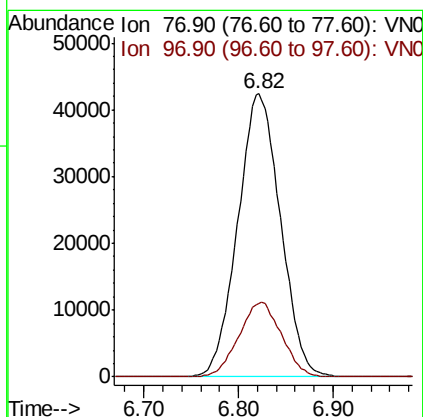
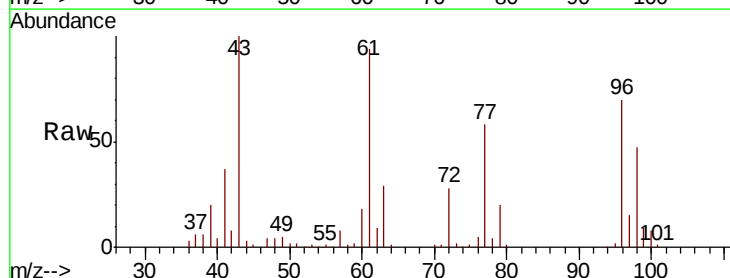
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

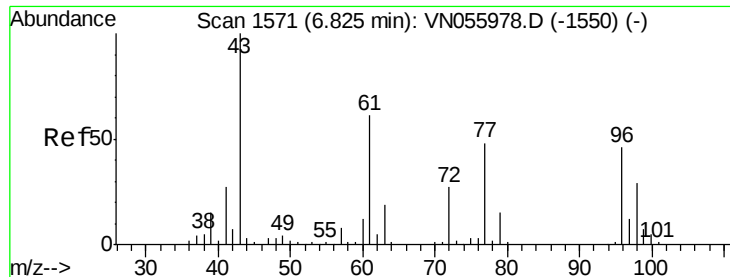
Tot Ion: 43 Resp: 430435
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 36.885 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 77 Resp: 132797
Ion Ratio Lower Upper
77 100
97 26.4 12.2 36.6

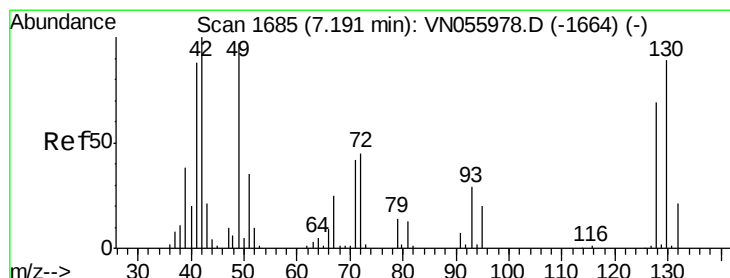
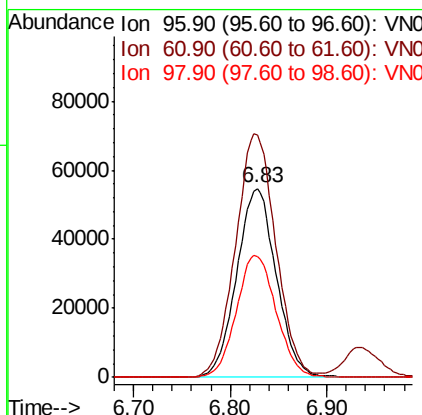
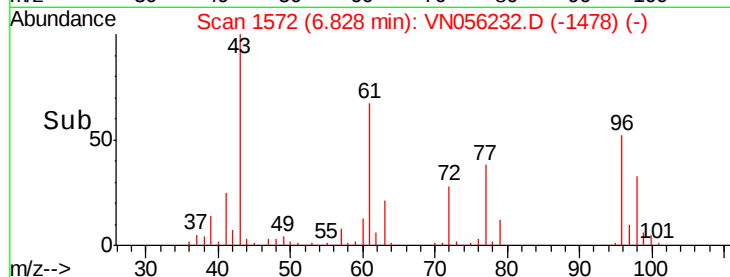
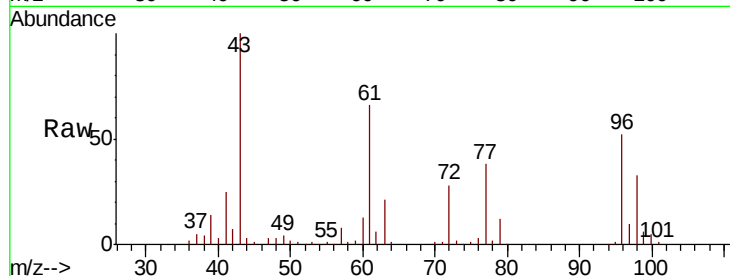




#27
 cis-1,2-Dichloroethene
 Concen: 50.382 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

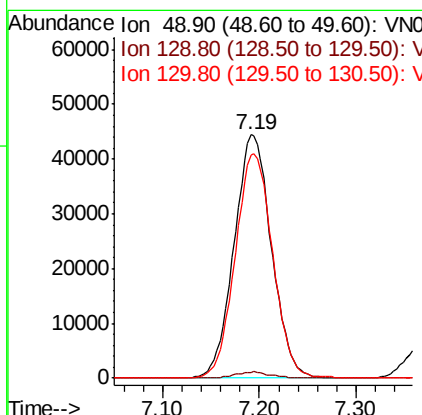
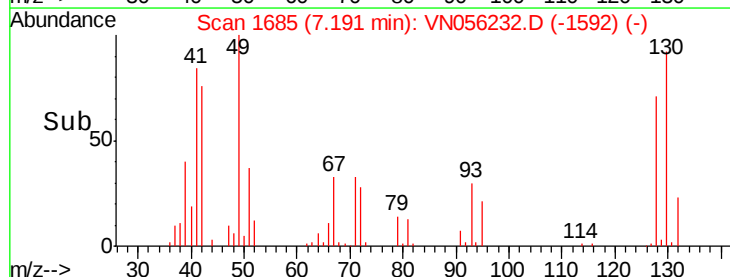
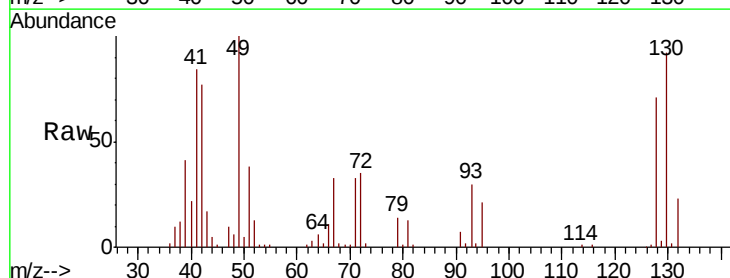
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

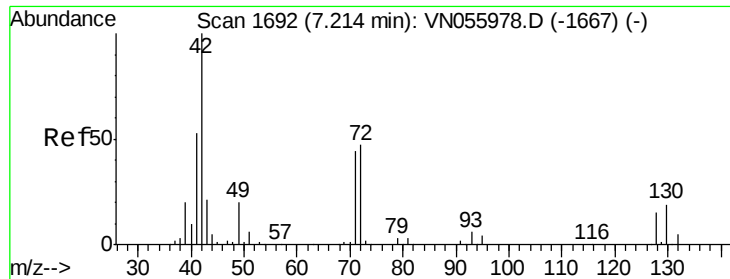
Tot Ion: 96 Resp: 155494
 Ion Ratio Lower Upper
 96 100
 61 131.7 0.0 275.8
 98 65.0 0.0 128.4



#28
 Bromochloromethane
 Concen: 54.614 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 49 Resp: 119165
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 92.4 71.2 106.8

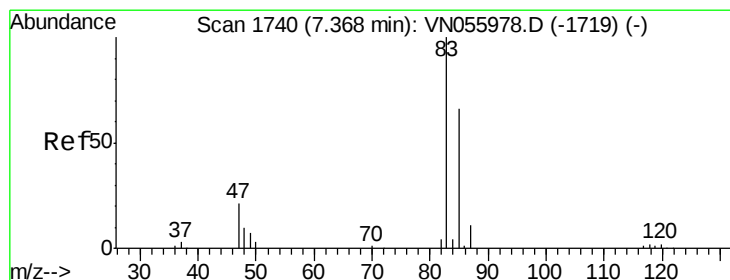
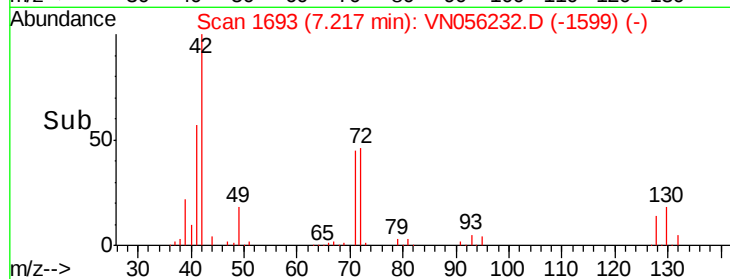
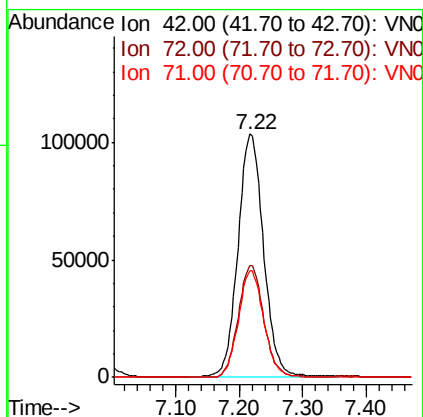
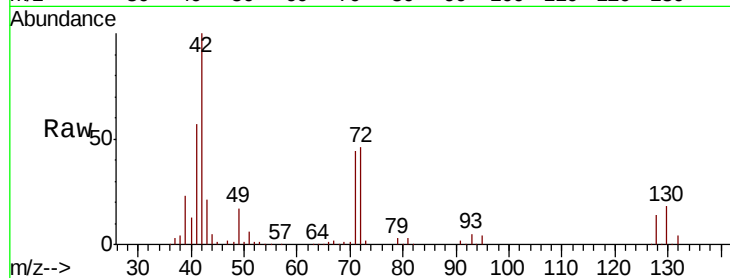




#29
Tetrahydrofuran
Concen: 269.061 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

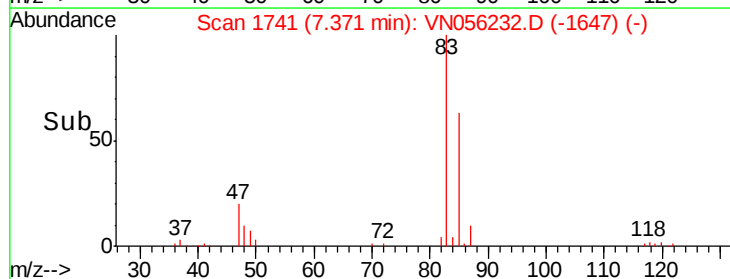
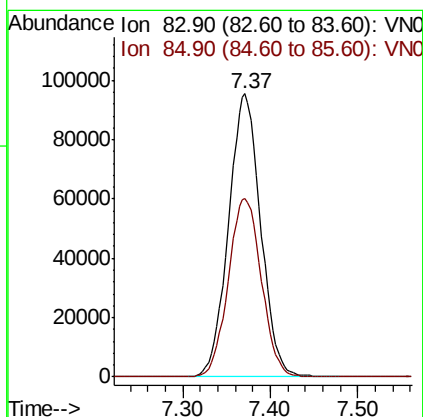
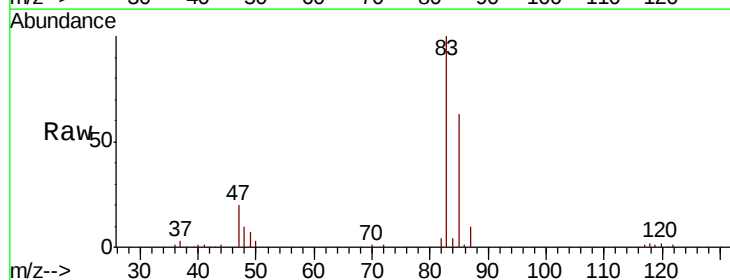
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

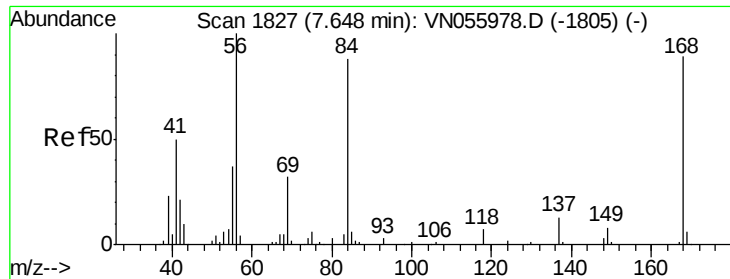
Tot Ion: 42 Resp: 291289
Ion Ratio Lower Upper
42 100
72 45.5 35.9 53.9
71 43.0 34.0 51.0



#30
Chloroform
Concen: 52.374 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 83 Resp: 243092
Ion Ratio Lower Upper
83 100
85 63.0 51.8 77.8

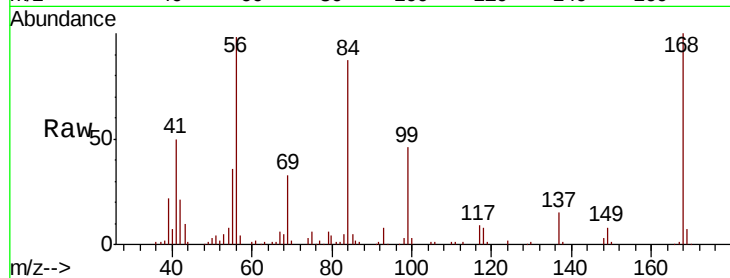




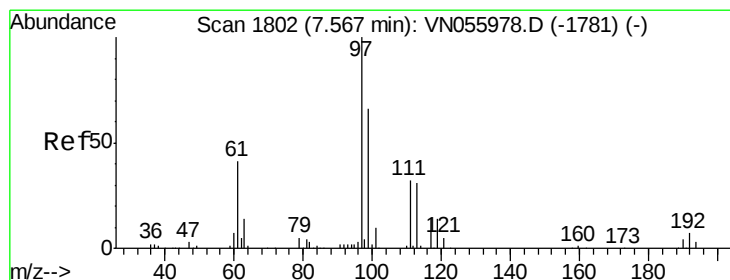
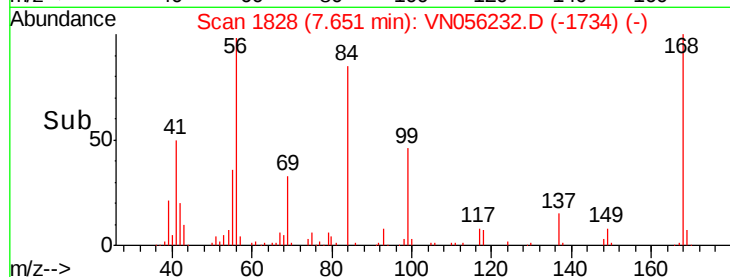
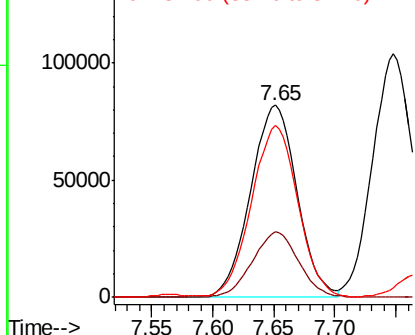
#31
Cyclohexane
Concen: 47.180 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 56 Resp: 216984
Ion Ratio Lower Upper
56 100
69 34.0 25.6 38.4
84 88.3 67.4 101.0

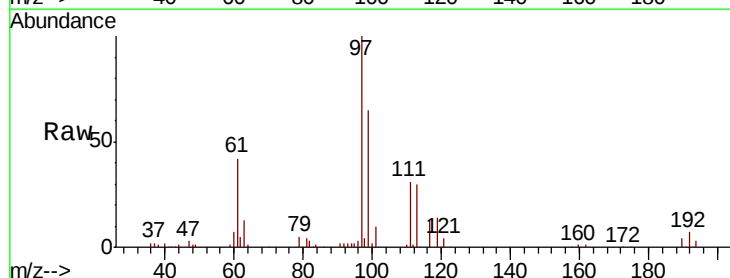


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

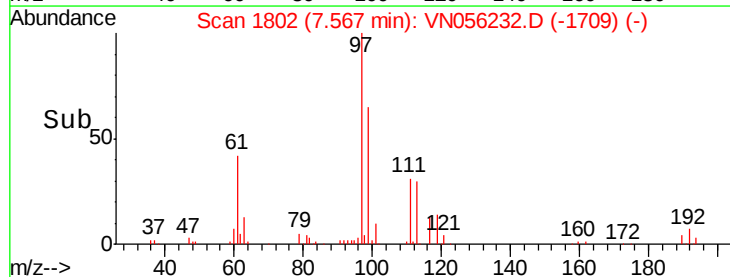
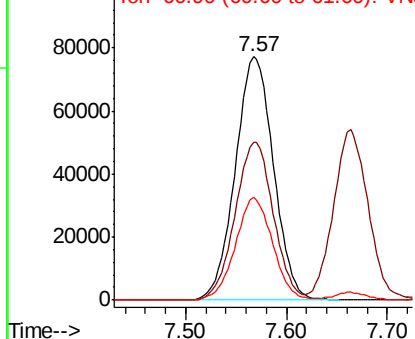


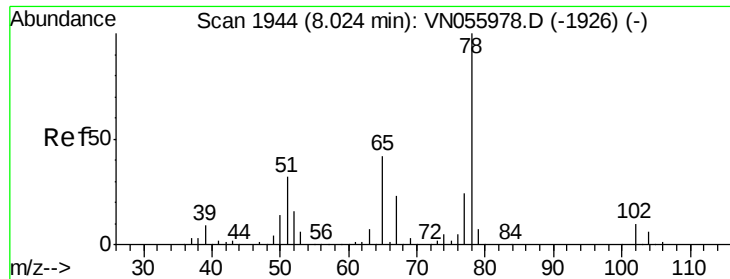
#32
1,1,1-Trichloroethane
Concen: 52.361 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 97 Resp: 202948
Ion Ratio Lower Upper
97 100
99 64.8 52.0 78.0
61 41.0 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 53.095 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

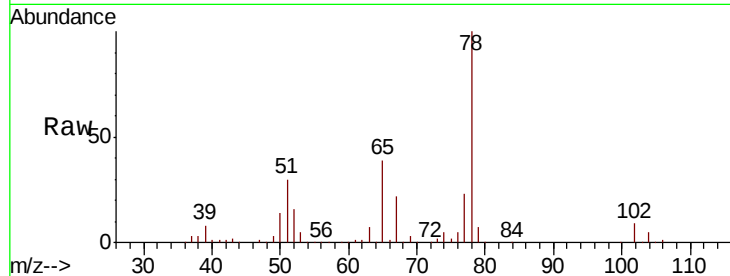
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 65 Resp: 153886

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

8.03

60000

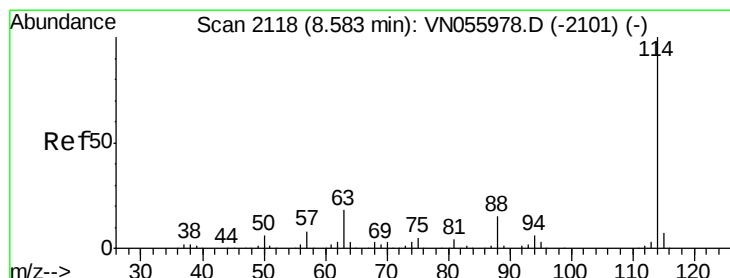
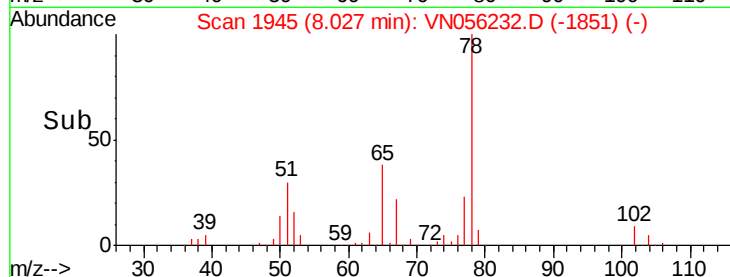
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

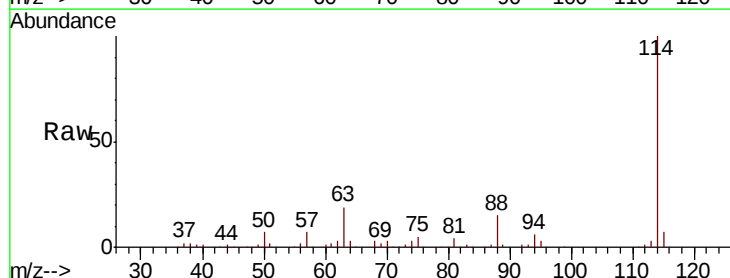
Tgt Ion: 114 Resp: 410384

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.2

88 15.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055978.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055978.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055978.D (-2101) (-)

8.59

250000

200000

150000

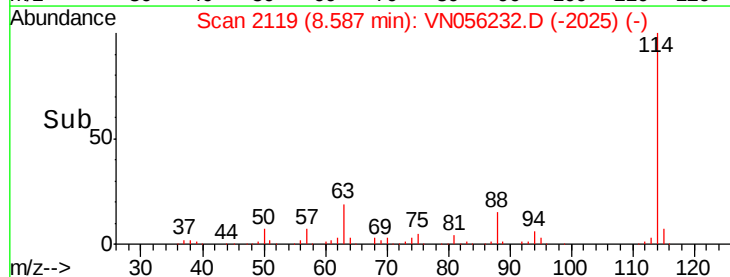
100000

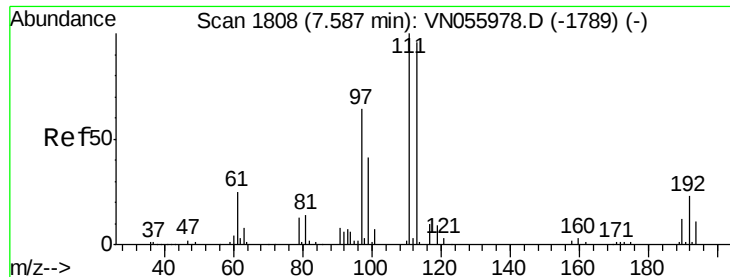
50000

0

8.50 8.60 8.70

Time-->

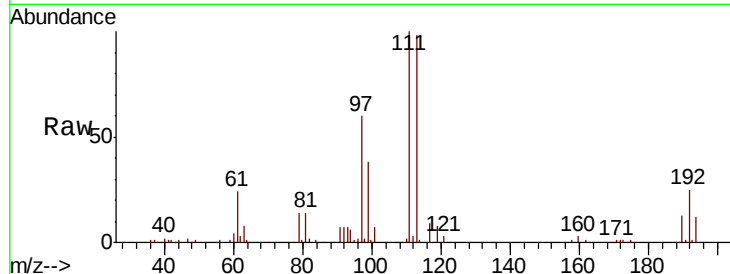




#35
 Dibromofluoromethane
 Concen: 56.938 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	25.0	19.5	29.3

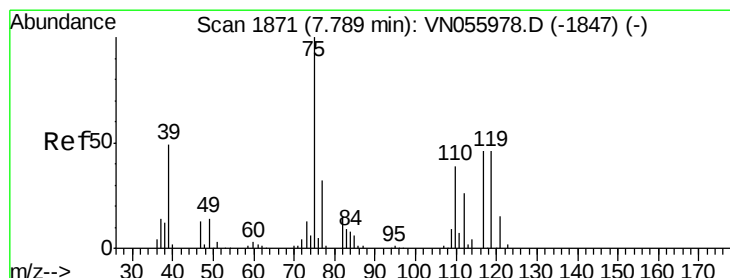
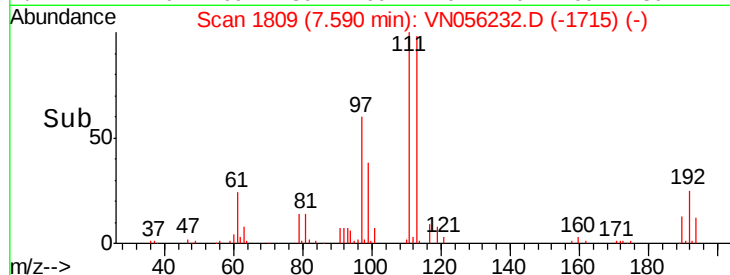
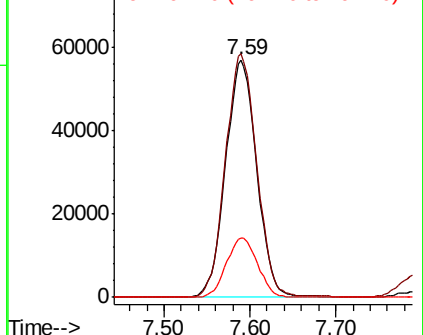


Abundance

Ion 112.80 (112.50 to 113.50): V

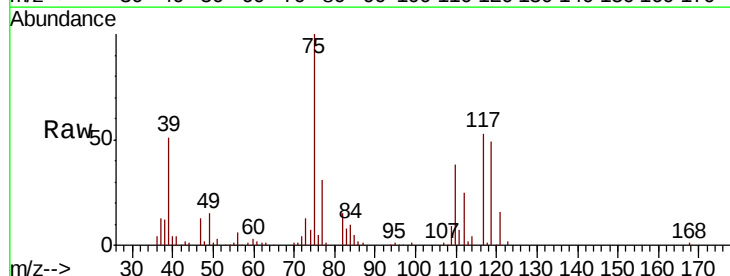
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.580 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	19.0	57.0
77	31.4	25.1	37.7

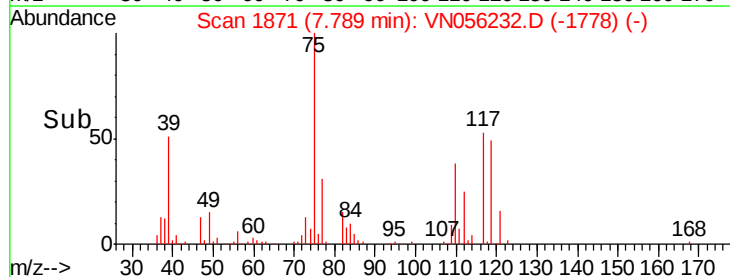
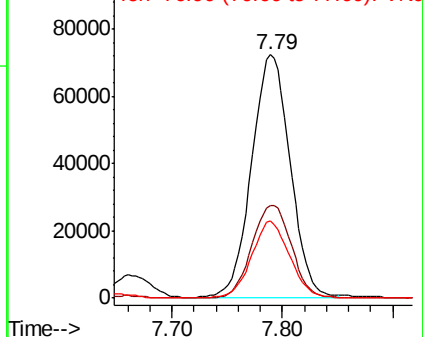


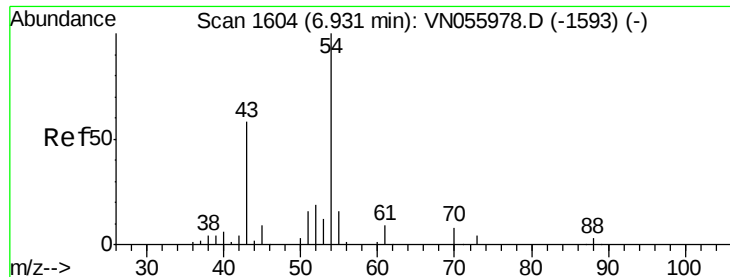
Abundance

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

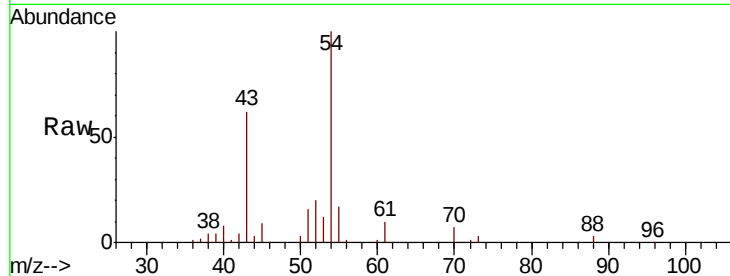




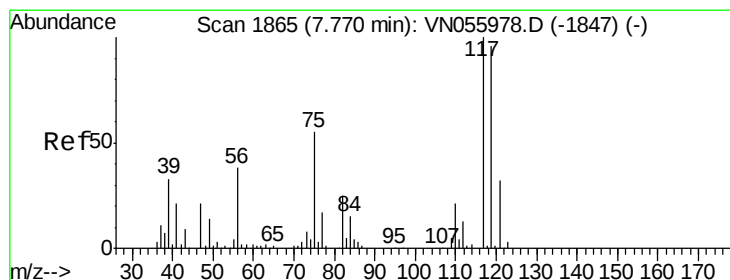
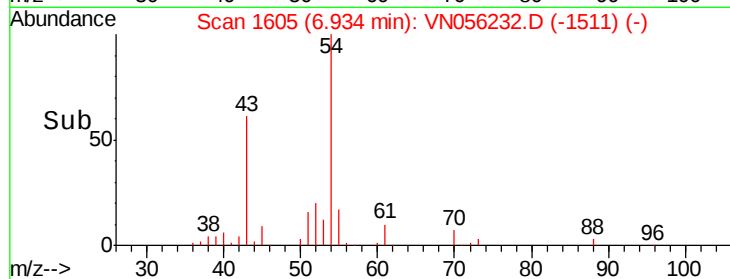
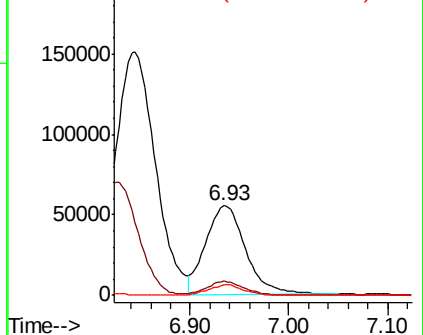
#37
Ethyl Acetate
Concen: 49.908 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 156698
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.2
70 10.7 8.9 13.3

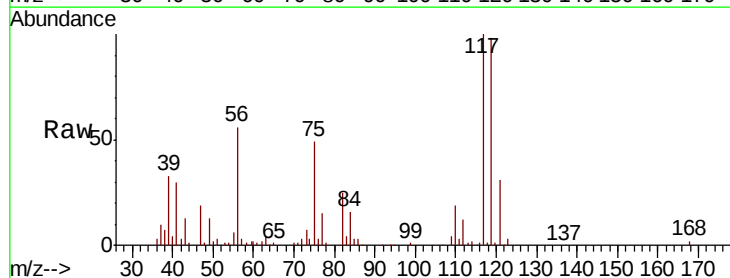


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

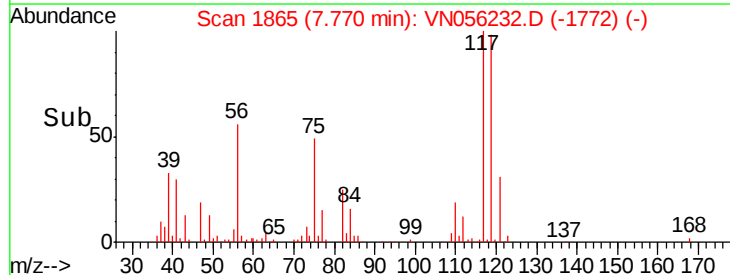
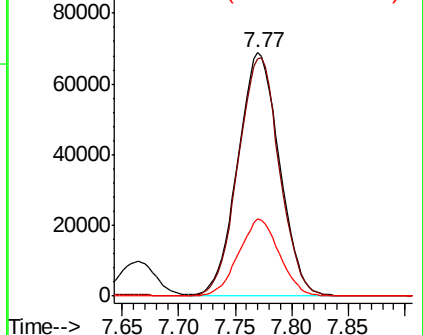


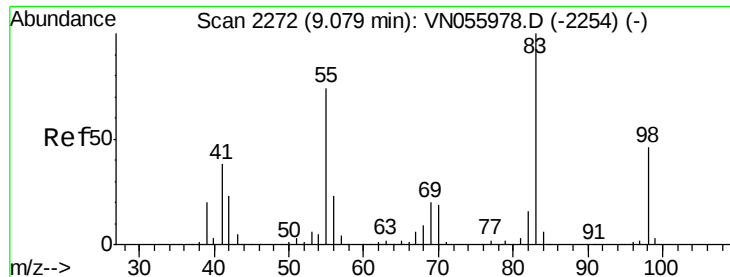
#38
Carbon Tetrachloride
Concen: 53.982 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 117 Resp: 175619
Ion Ratio Lower Upper
117 100
119 97.9 79.0 118.6
121 31.6 24.7 37.1



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

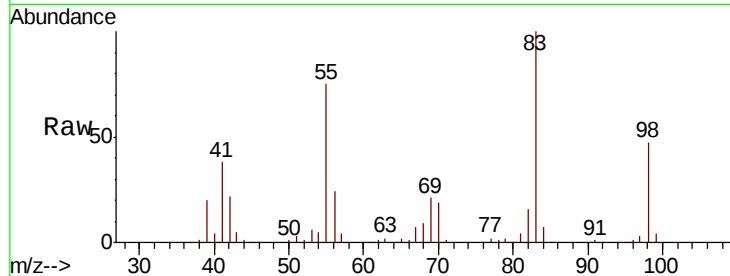




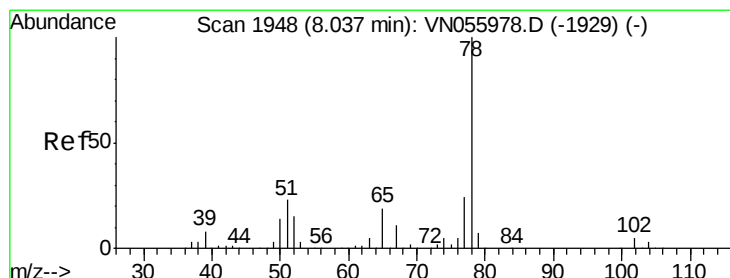
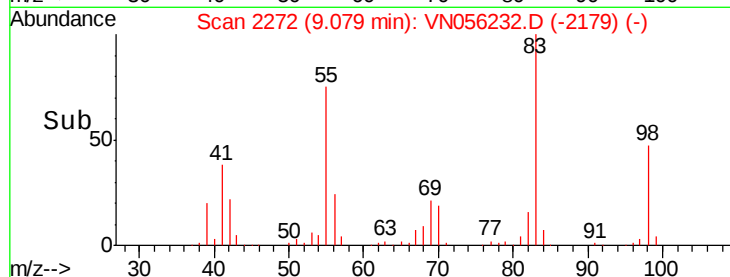
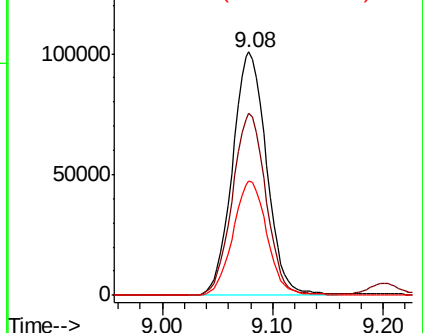
#39
Methvlcvclohexane
Concen: 48.963 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 83 Resp: 215233
Ion Ratio Lower Upper
83 100
55 74.8 59.3 88.9
98 47.1 36.6 54.8

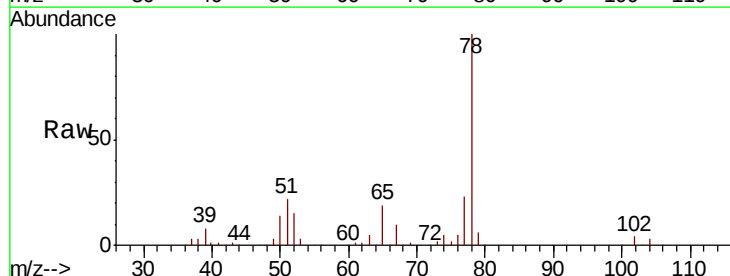


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

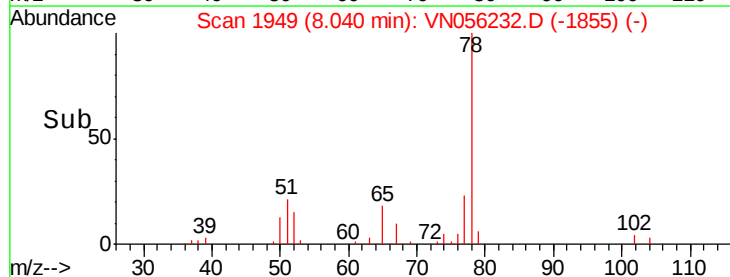
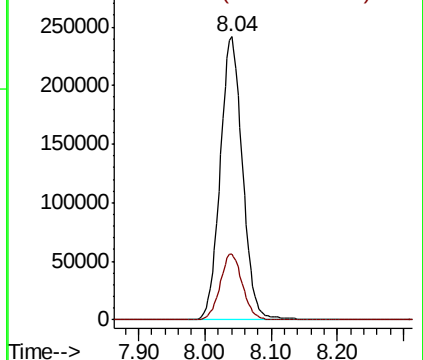


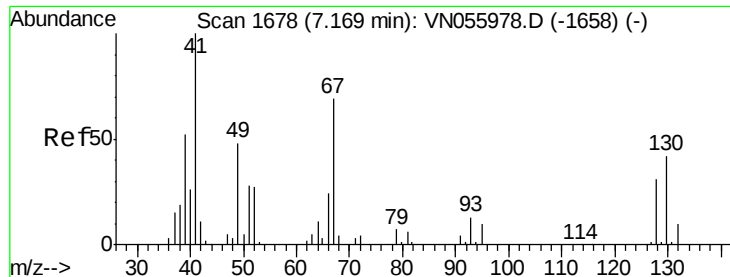
#40
Benzene
Concen: 52.723 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 78 Resp: 565057
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

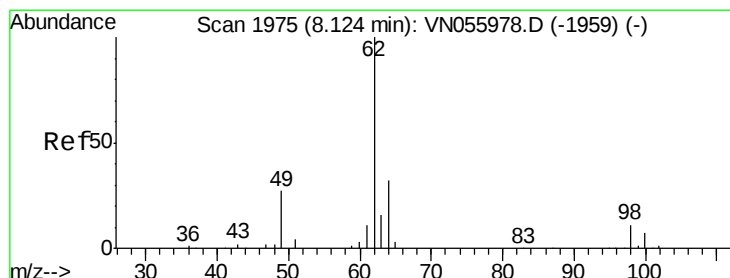
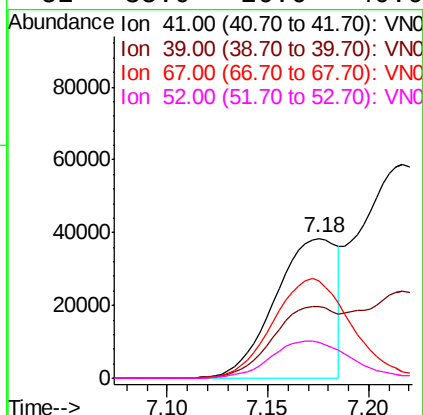
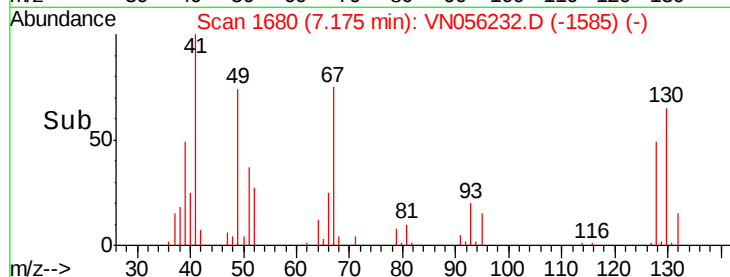
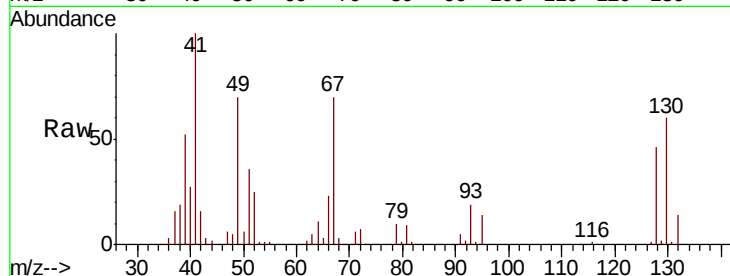




#41
Methacrylonitrile
Concen: 56.700 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

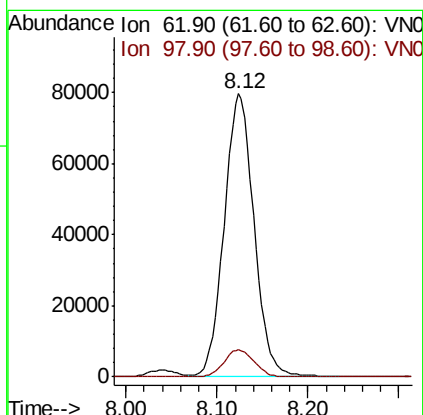
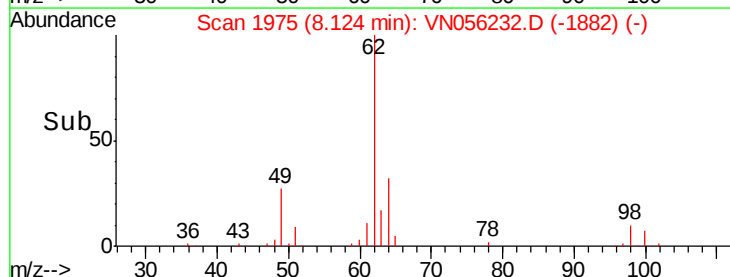
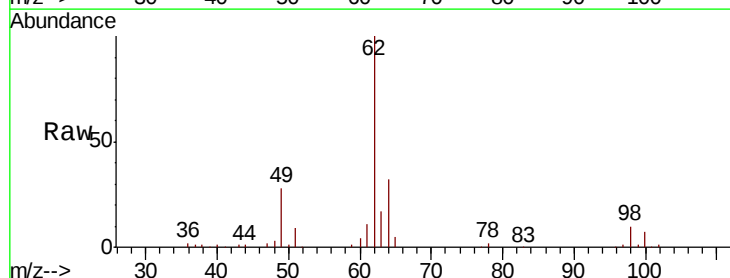
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

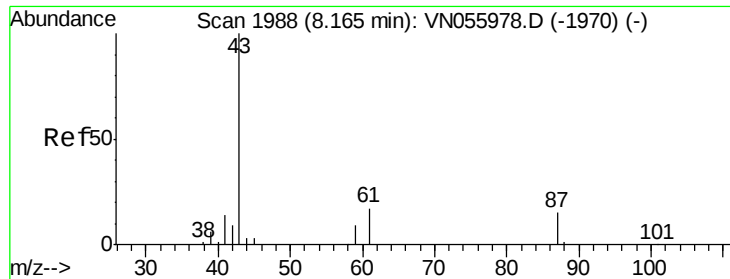
Tot Ion: 41 Resp: 81907
Ion Ratio Lower Upper
41 100
39 52.4 45.6 68.4
67 91.2 67.7 101.5
52 35.0 26.6 40.0



#42
1,2-Dichloroethane
Concen: 52.363 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 62 Resp: 180520
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 49.241 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

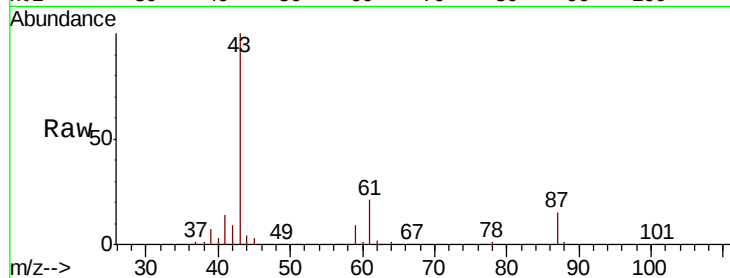
Tot Ion: 43 Resp: 250528

Ion Ratio Lower Upper

43 100

61 21.1 22.2 33.4#

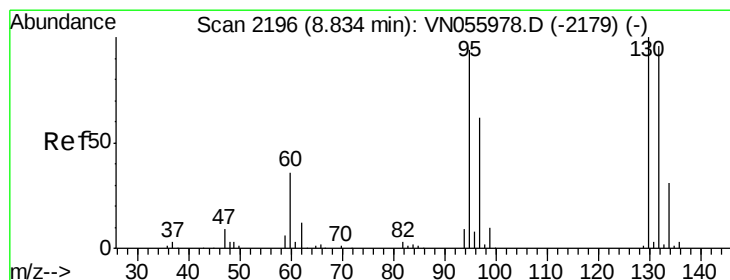
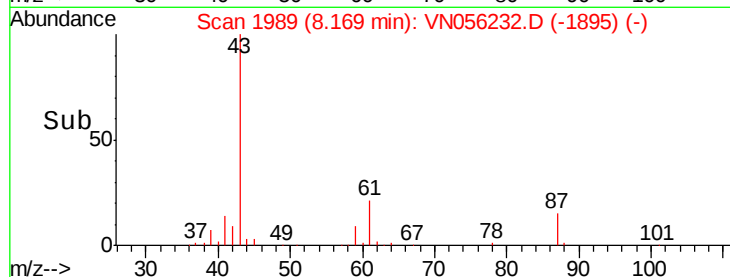
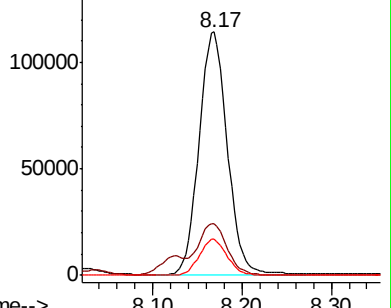
87 14.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 52.641 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056232.D

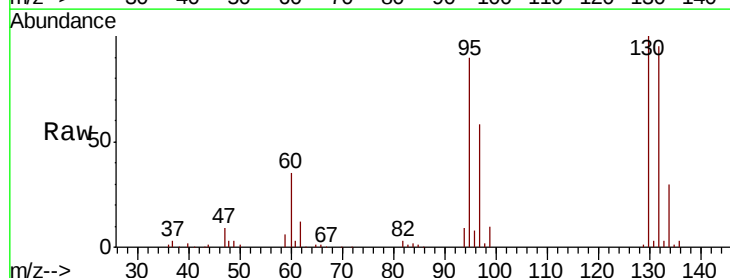
Acq: 11 Jun 2019 18:58

Tgt Ion:130 Resp: 162118

Ion Ratio Lower Upper

130 100

95 90.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

Ion 130.00 (129.70 to 130.30): VN055978.D (-2179) (-)

Ion 131.00 (130.70 to 131.30): VN055978.D (-2179) (-)

Ion 132.00 (131.70 to 132.30): VN055978.D (-2179) (-)

Ion 133.00 (132.70 to 133.30): VN055978.D (-2179) (-)

Ion 134.00 (133.70 to 134.30): VN055978.D (-2179) (-)

Ion 135.00 (134.70 to 135.30): VN055978.D (-2179) (-)

Ion 136.00 (135.70 to 136.30): VN055978.D (-2179) (-)

Ion 137.00 (136.70 to 137.30): VN055978.D (-2179) (-)

Ion 138.00 (137.70 to 138.30): VN055978.D (-2179) (-)

Ion 139.00 (138.70 to 139.30): VN055978.D (-2179) (-)

Ion 140.00 (139.70 to 140.30): VN055978.D (-2179) (-)

Ion 141.00 (140.70 to 141.30): VN055978.D (-2179) (-)

Ion 142.00 (141.70 to 142.30): VN055978.D (-2179) (-)

Ion 143.00 (142.70 to 143.30): VN055978.D (-2179) (-)

Ion 144.00 (143.70 to 144.30): VN055978.D (-2179) (-)

Ion 145.00 (144.70 to 145.30): VN055978.D (-2179) (-)

Ion 146.00 (145.70 to 146.30): VN055978.D (-2179) (-)

Ion 147.00 (146.70 to 147.30): VN055978.D (-2179) (-)

Ion 148.00 (147.70 to 148.30): VN055978.D (-2179) (-)

Ion 149.00 (148.70 to 149.30): VN055978.D (-2179) (-)

Ion 150.00 (149.70 to 150.30): VN055978.D (-2179) (-)

Ion 151.00 (150.70 to 151.30): VN055978.D (-2179) (-)

Ion 152.00 (151.70 to 152.30): VN055978.D (-2179) (-)

Ion 153.00 (152.70 to 153.30): VN055978.D (-2179) (-)

Ion 154.00 (153.70 to 154.30): VN055978.D (-2179) (-)

Ion 155.00 (154.70 to 155.30): VN055978.D (-2179) (-)

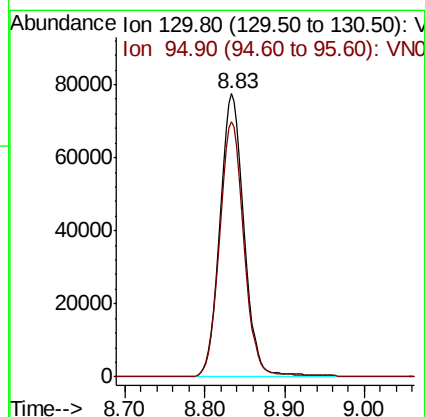
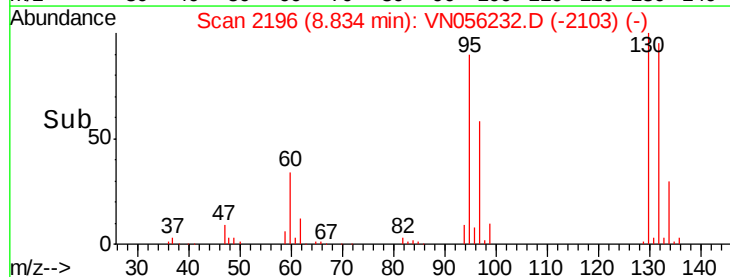
Ion 156.00 (155.70 to 156.30): VN055978.D (-2179) (-)

Ion 157.00 (156.70 to 157.30): VN055978.D (-2179) (-)

Ion 158.00 (157.70 to 158.30): VN055978.D (-2179) (-)

Ion 159.00 (158.70 to 159.30): VN055978.D (-2179) (-)

Ion 160.00 (159.70 to 160.30): VN055978.D (-2179) (-)

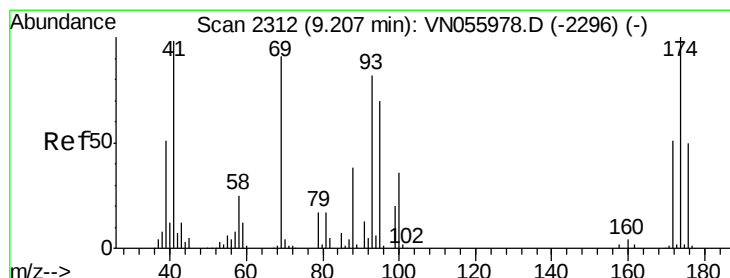
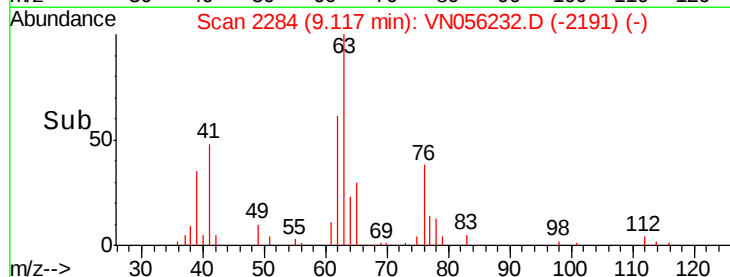
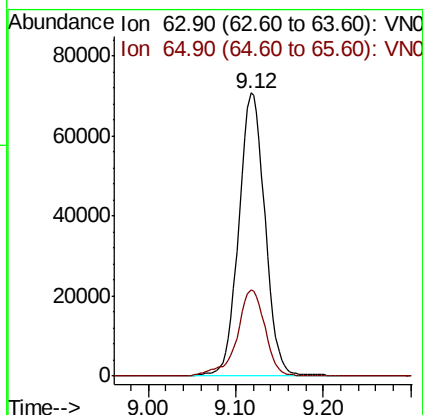
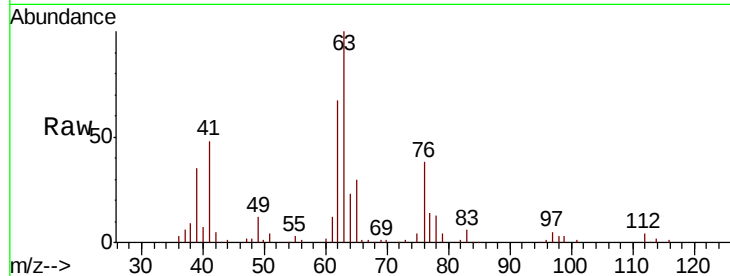




#45
 1,2-Dichloropropane
 Concen: 53.758 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

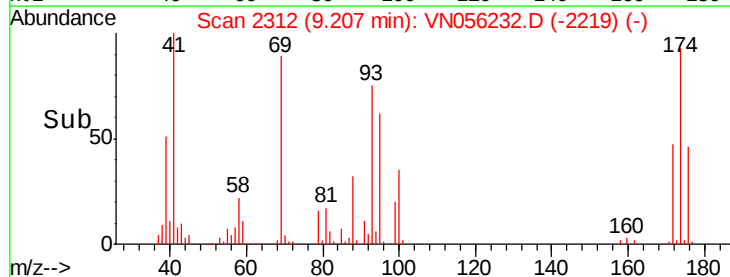
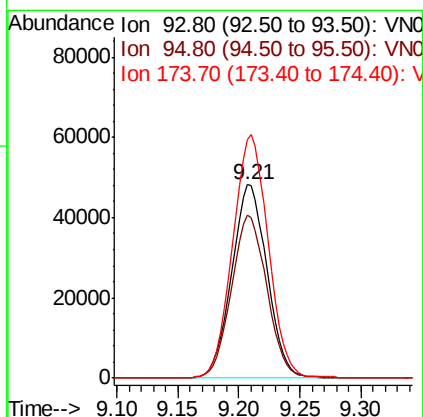
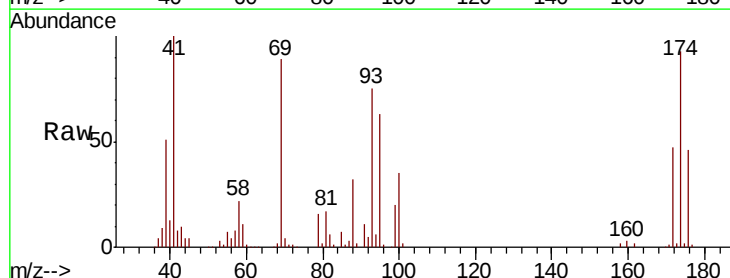
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 63 Resp: 147578
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 53.983 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 93 Resp: 96908
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.7 100.1
 174 126.7 96.4 144.6





#47

Bromodichloromethane

Concen: 56.217 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

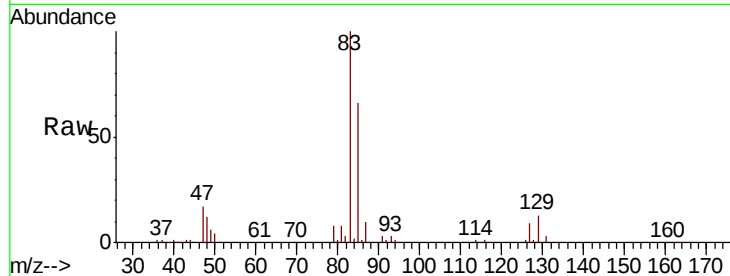
Tot Ion: 83 Resp: 182905

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

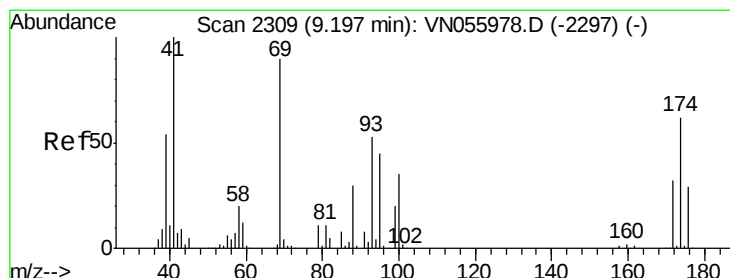
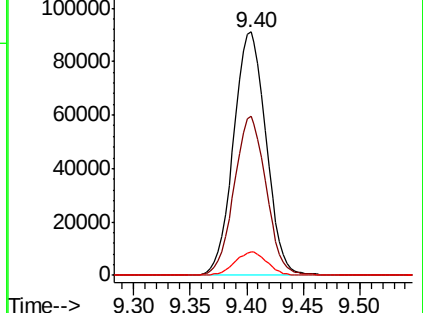
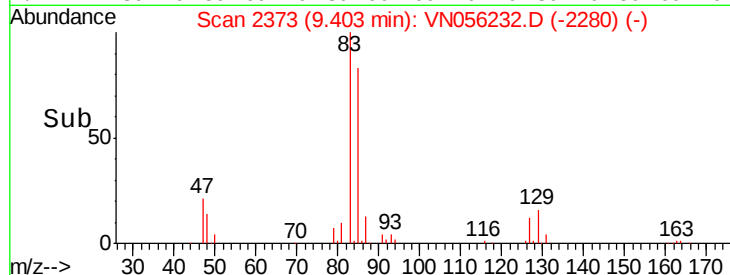
127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056232.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056232.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056232.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.522 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

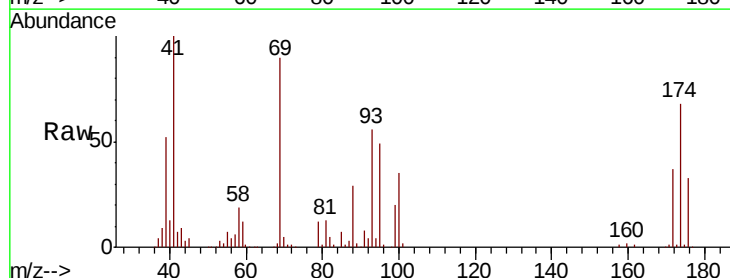
Tgt Ion: 41 Resp: 130733

Ion Ratio Lower Upper

41 100

69 93.7 71.0 106.6

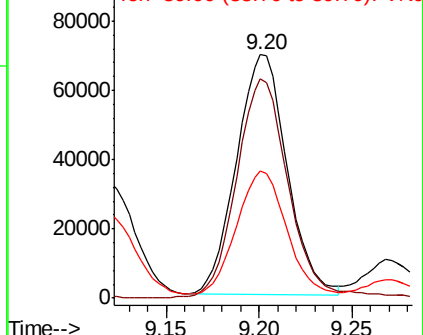
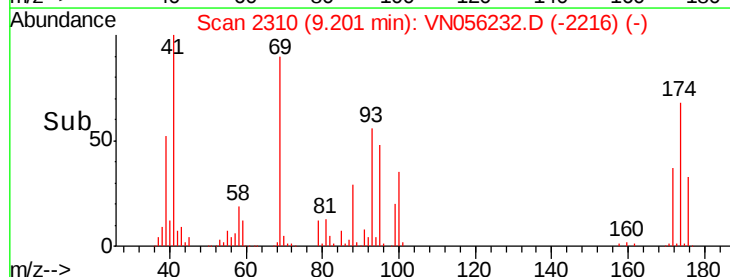
39 53.5 44.2 66.2

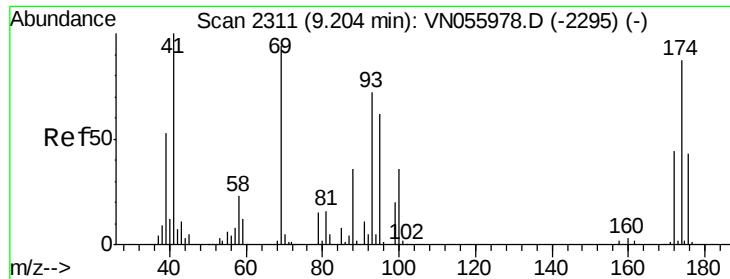


Abundance Ion 41.00 (40.70 to 41.70): VN056232.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056232.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056232.D (-2216) (-)

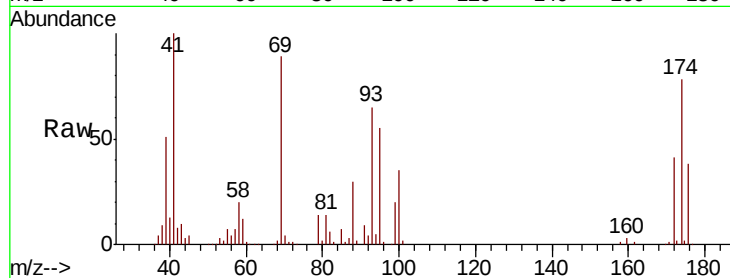




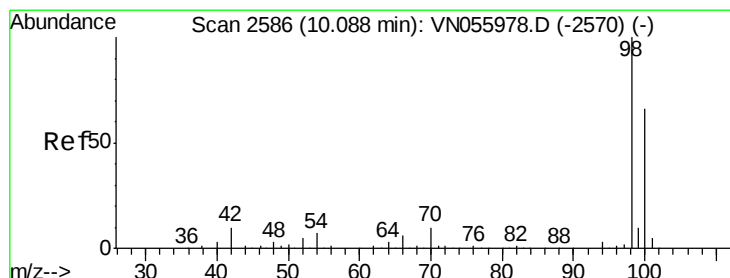
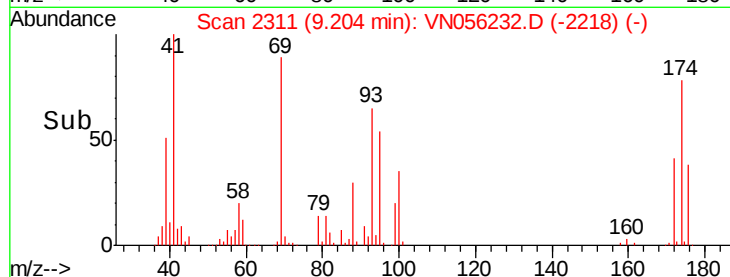
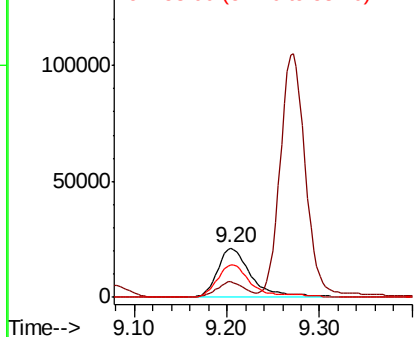
#49
 1,4-Dioxane
 Concen: 1000.619 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 88 Resp: 53770
 Ion Ratio Lower Upper
 88 100
 43 25.2 20.5 30.7
 58 68.4 55.8 83.6

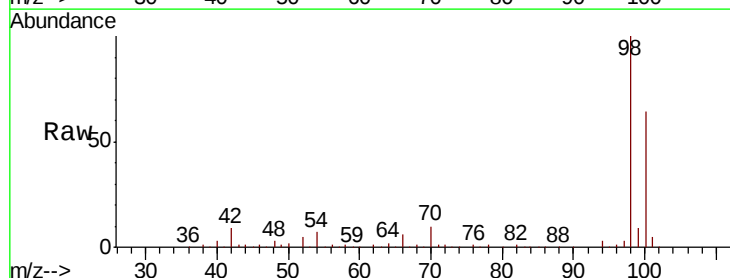


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

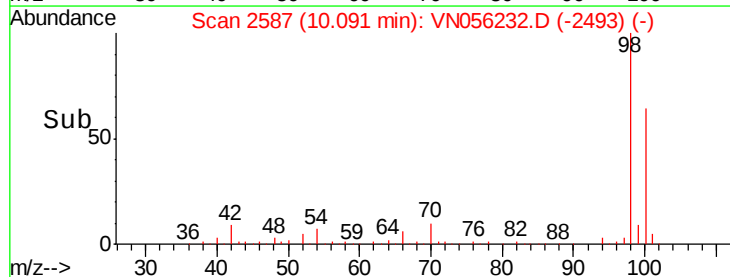
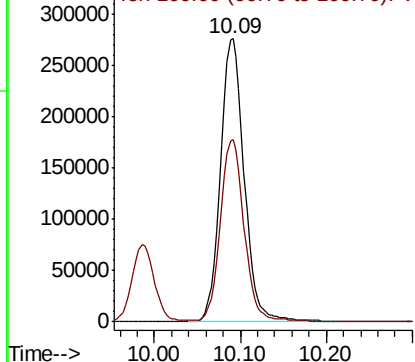


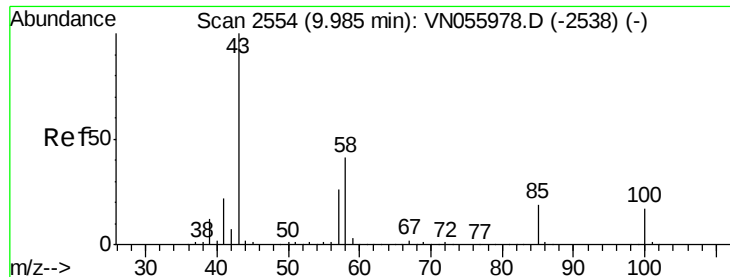
#50
 Toluene-d8
 Concen: 54.670 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion: 98 Resp: 529676
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.9 77.9



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: 270.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

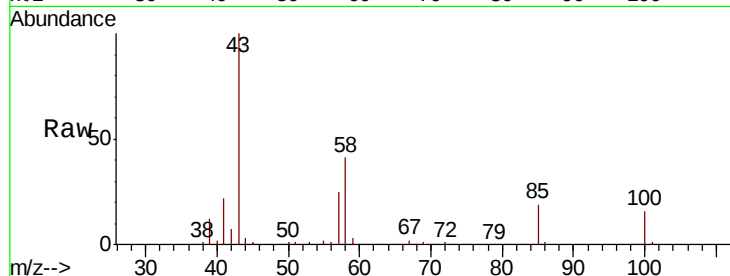
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 43 Resp: 859974

Ion Ratio Lower Upper

43 100

58 40.8 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

400000

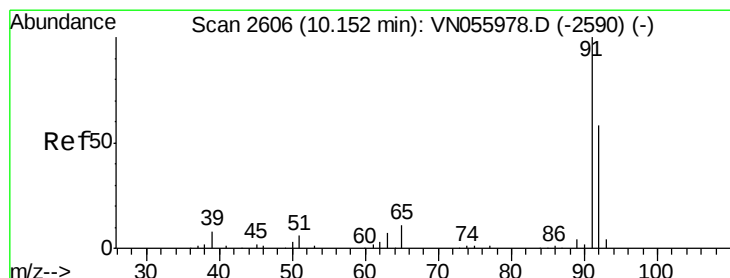
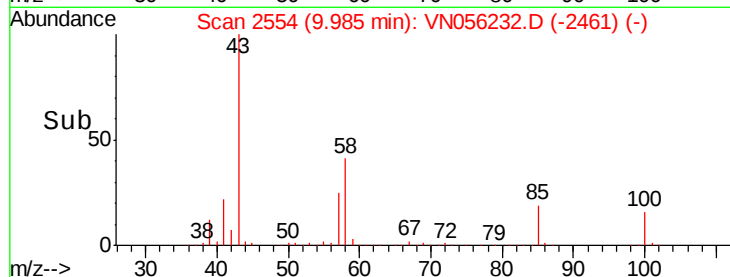
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.092 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056232.D

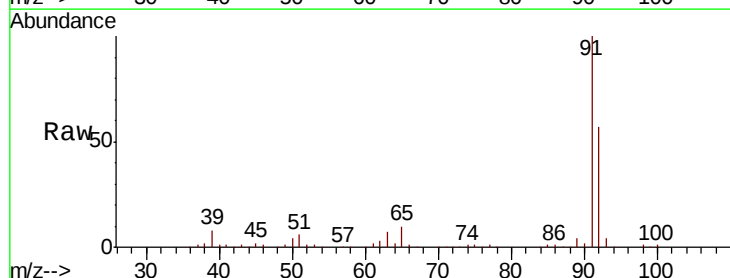
Acq: 11 Jun 2019 18:58

Tgt Ion: 92 Resp: 347411

Ion Ratio Lower Upper

92 100

91 175.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

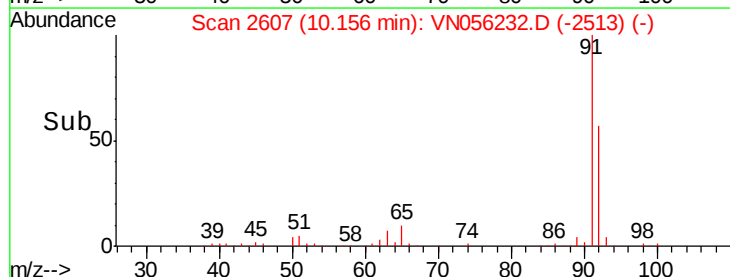
300000

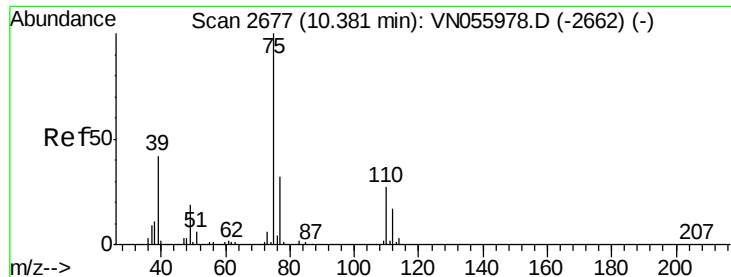
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.655 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

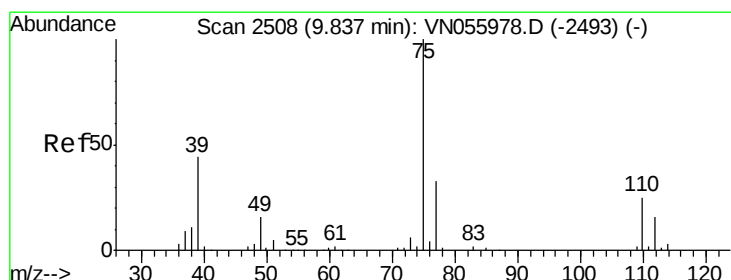
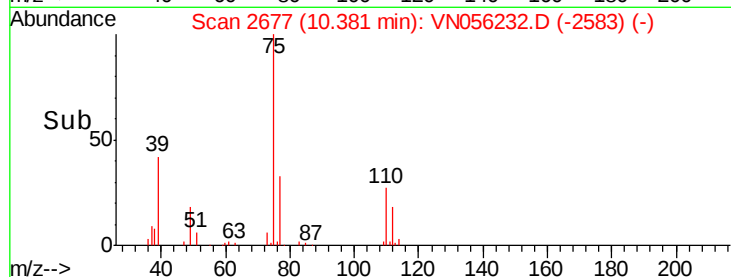
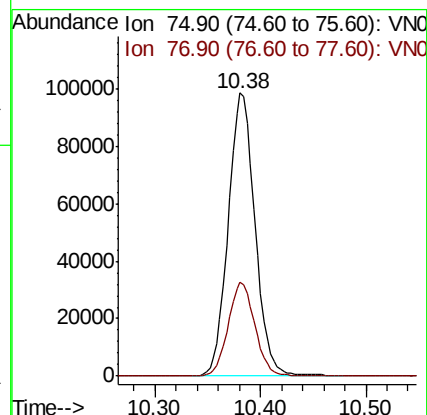
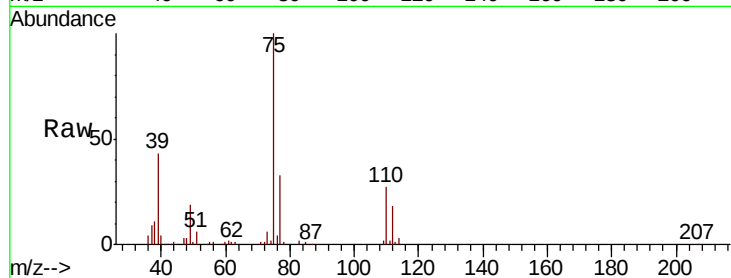
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 75 Resp: 173321

Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 52.284 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

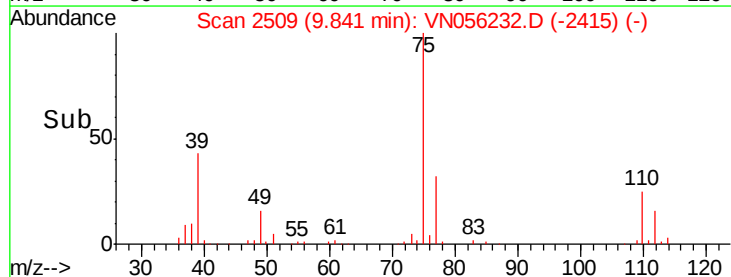
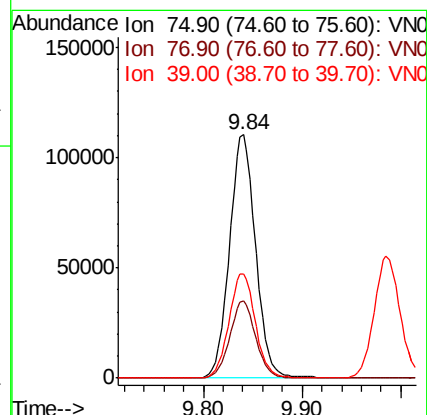
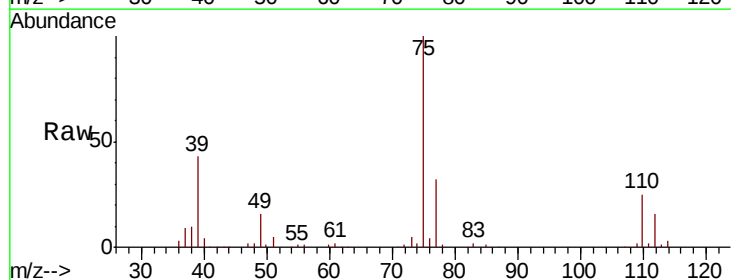
Tgt Ion: 75 Resp: 204476

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.8 36.3 54.5

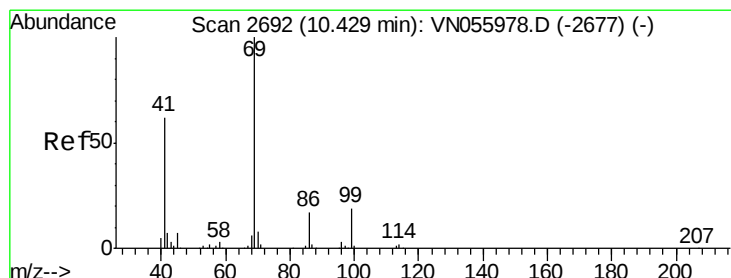
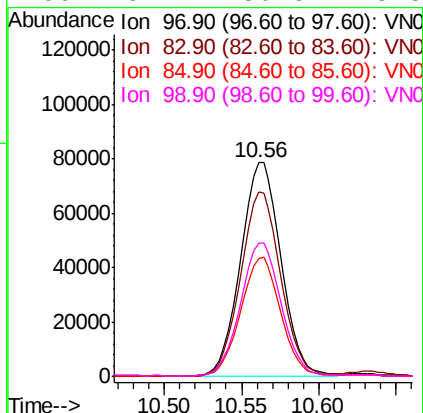
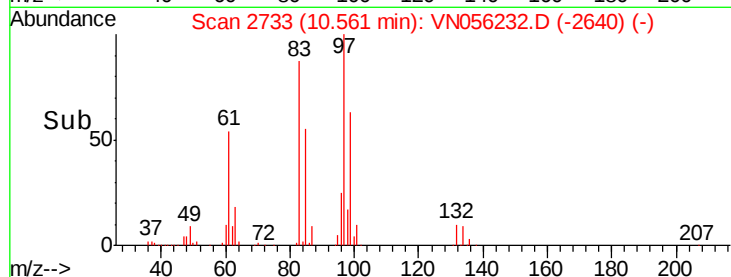
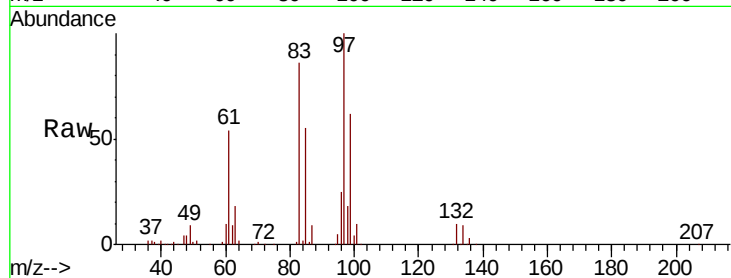




#55
 1,1,2-Trichloroethane
 Concen: 54.107 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

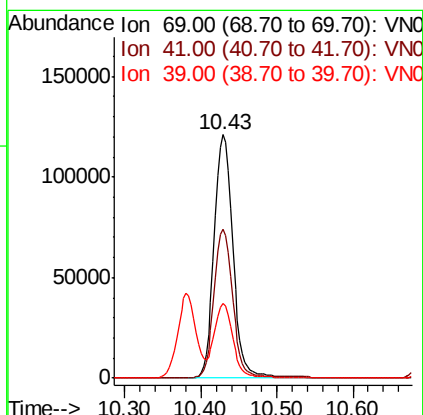
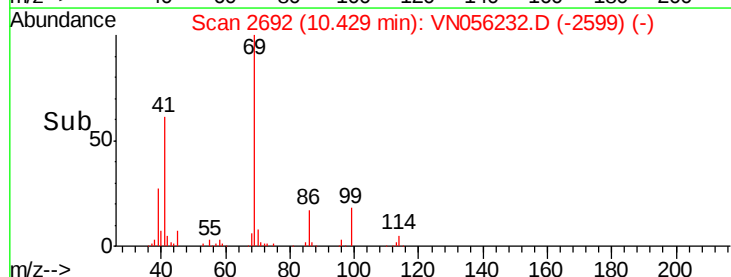
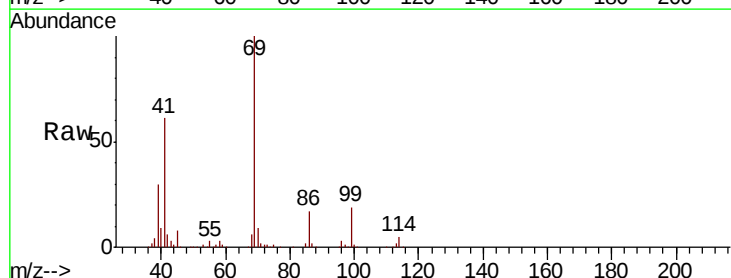
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

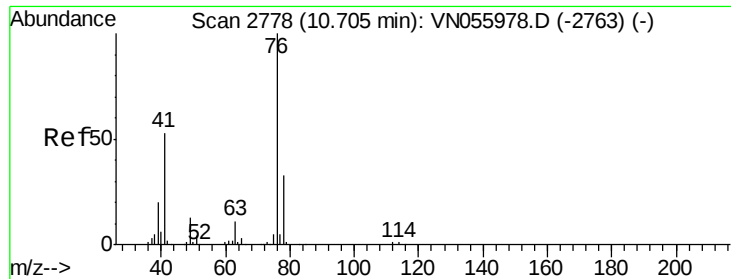
Tot Ion:	97	Resp:	142937
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.0	100.6
85	55.2	44.0	66.0
99	62.2	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 54.121 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion:	69	Resp:	208583
Ion	Ratio	Lower	Upper
69	100		
41	60.0	49.7	74.5
39	29.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 53.556 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

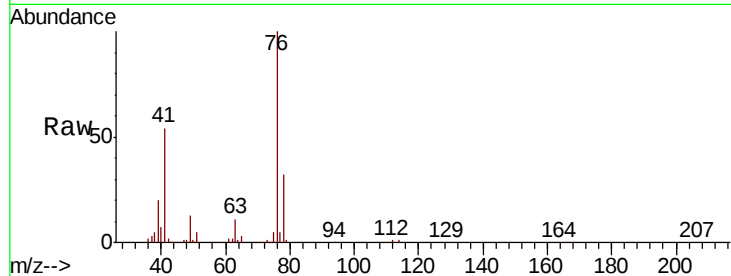
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 76 Resp: 229996

Ion Ratio Lower Upper

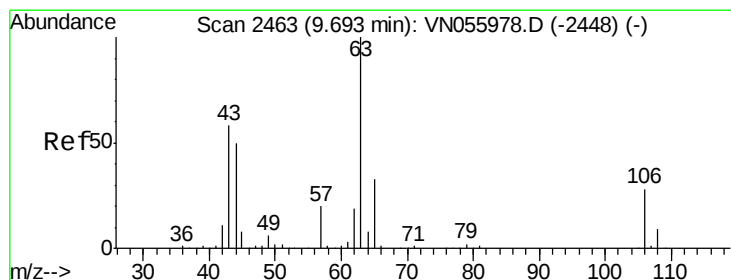
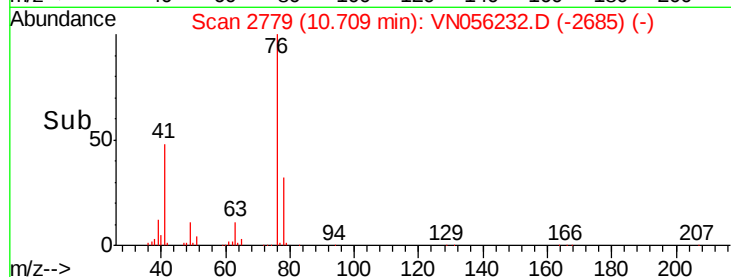
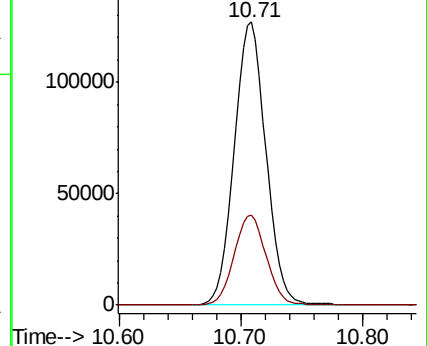
76 100

78 32.1 25.8 38.6



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: 14.958 ug/l

RT: 9.71 min Scan# 2468

Delta R.T. 0.02 min

Lab File: VN056232.D

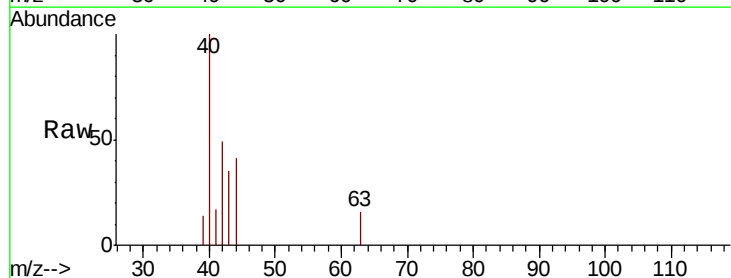
Acq: 11 Jun 2019 18:58

Tgt Ion: 63 Resp: 135

Ion Ratio Lower Upper

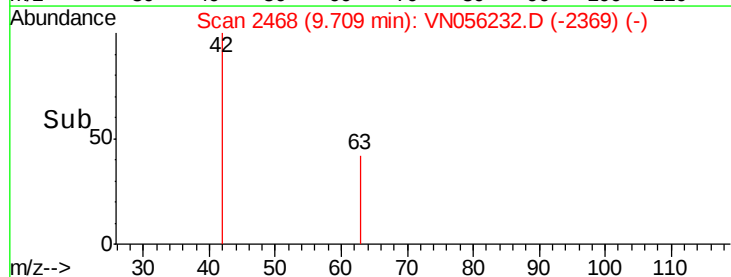
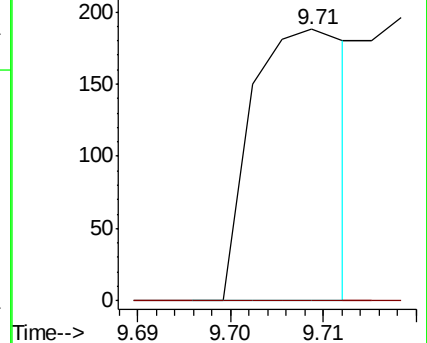
63 100

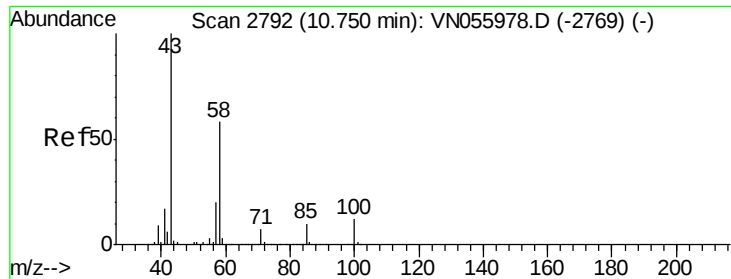
106 0.0 22.7 34.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

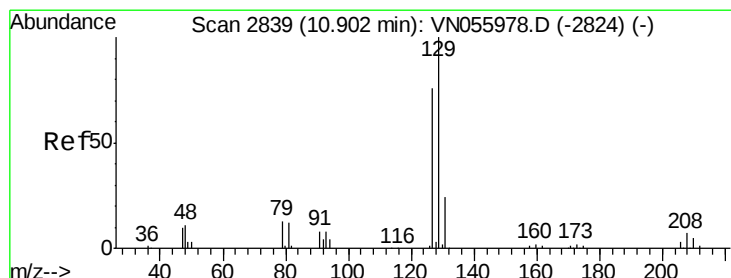
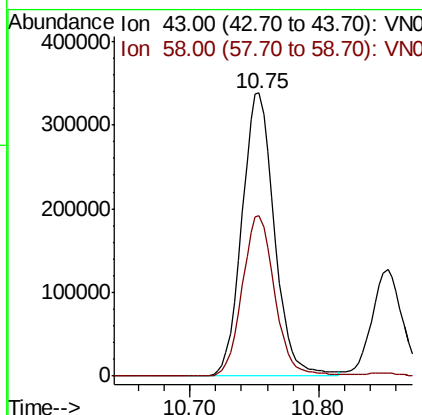
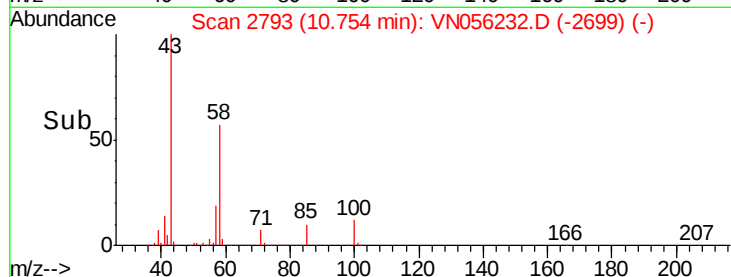
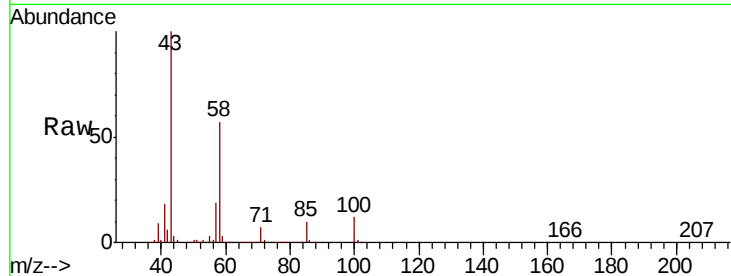




#59
2-Hexanone
Concen: 256.173 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

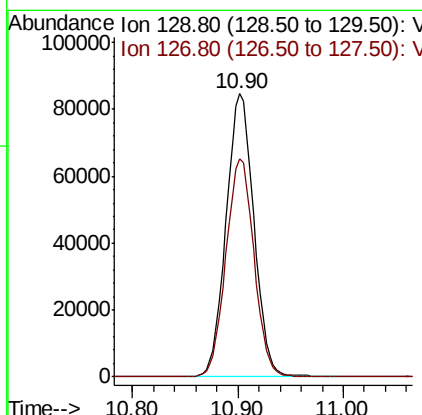
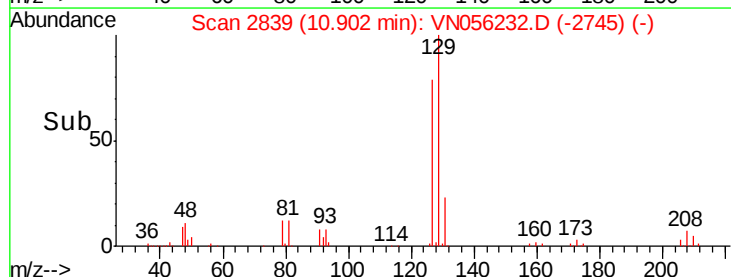
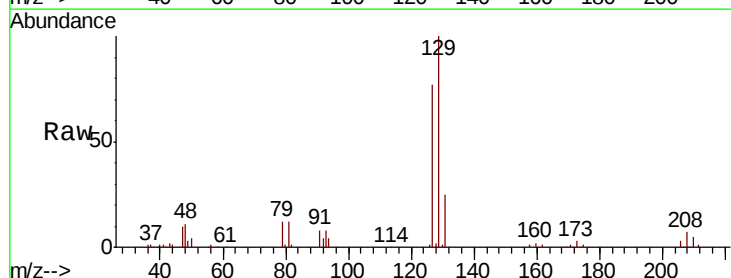
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

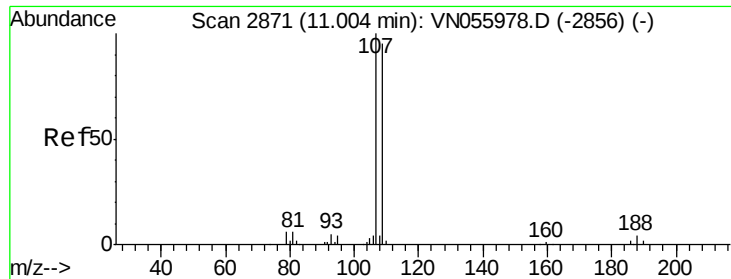
Tot Ion: 43 Resp: 590734
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7



#60
Dibromochloromethane
Concen: 52.854 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 129 Resp: 154425
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 54.041 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

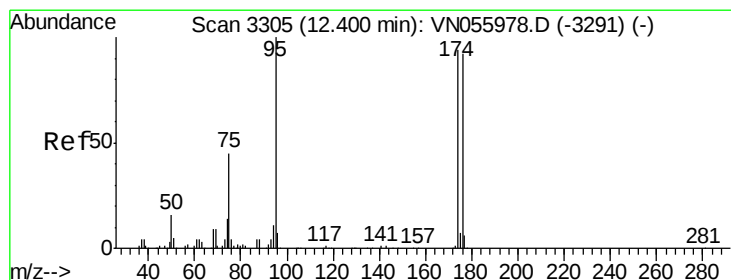
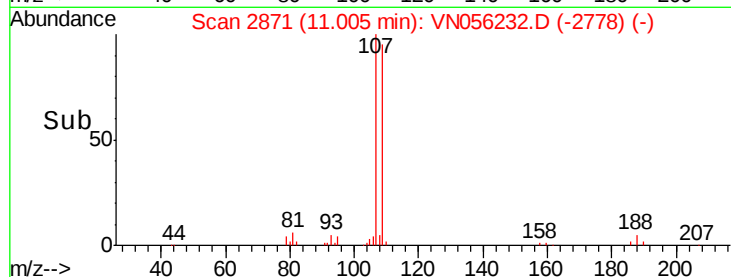
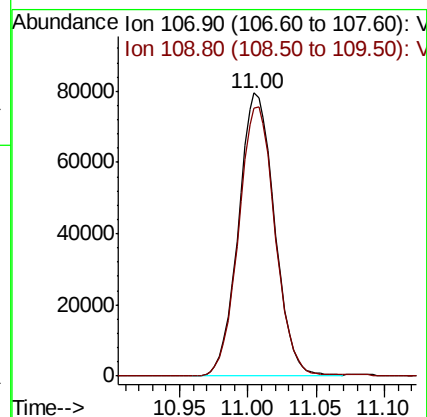
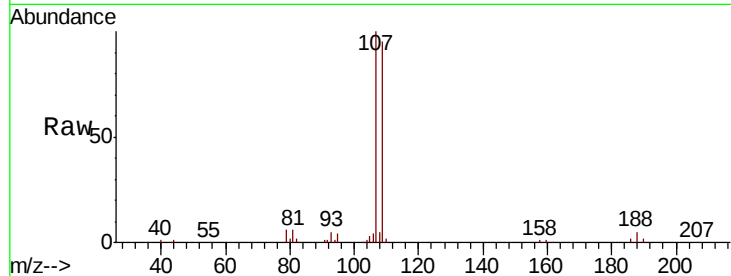
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:107 Resp: 145946

Ion Ratio Lower Upper

107 100

109 96.4 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 52.673 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

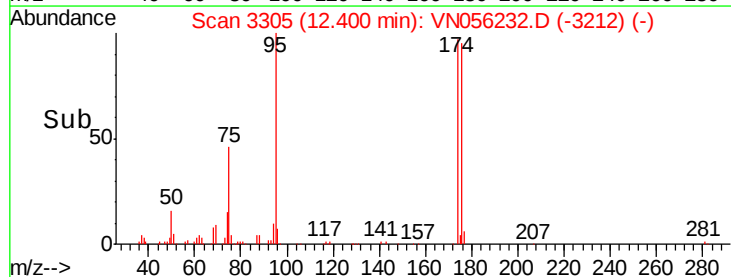
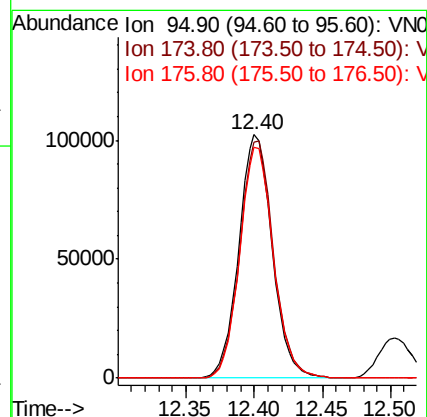
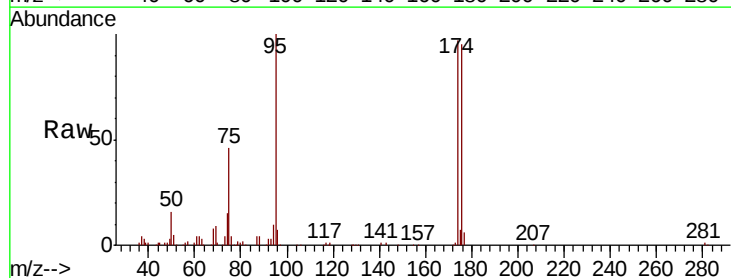
Tgt Ion: 95 Resp: 173552

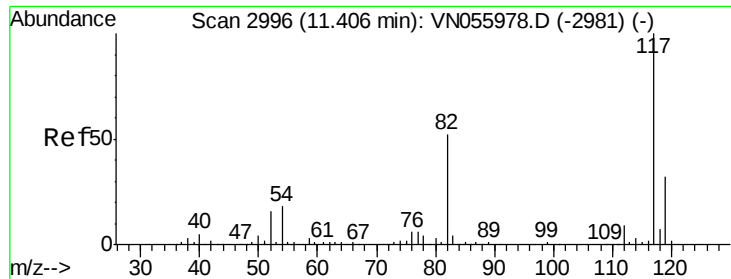
Ion Ratio Lower Upper

95 100

174 98.8 0.0 191.0

176 95.5 0.0 185.2

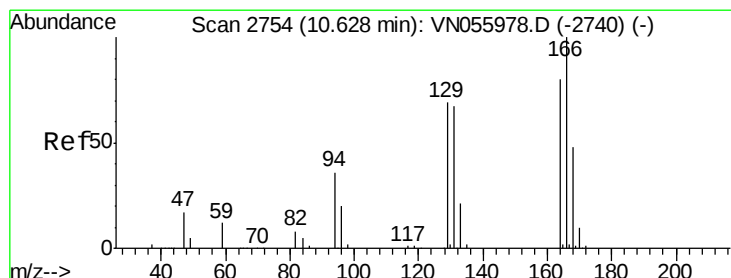
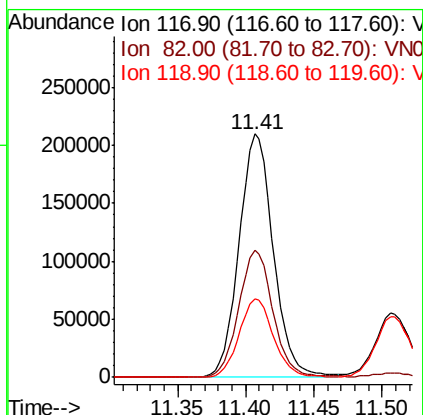
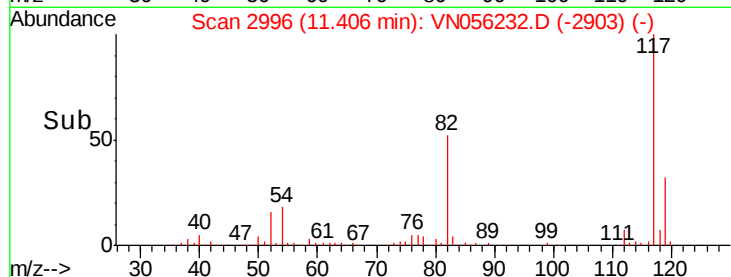
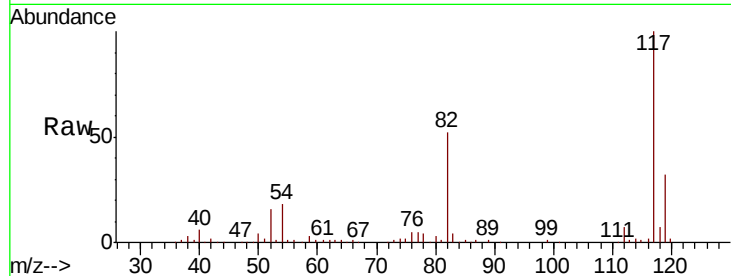




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

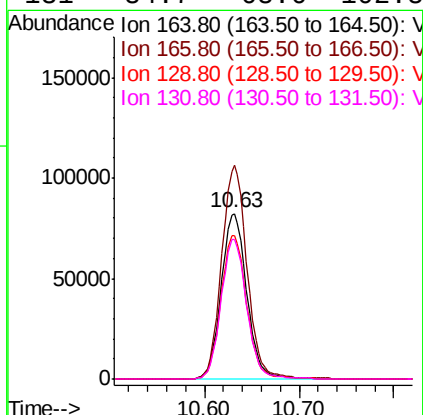
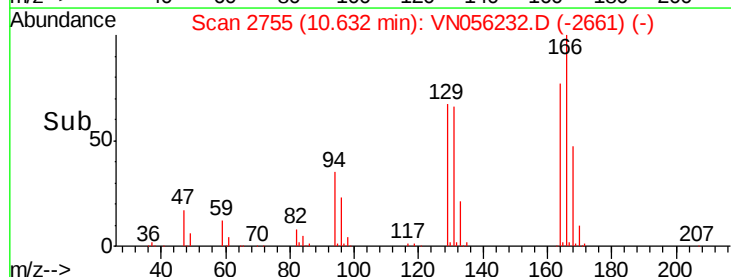
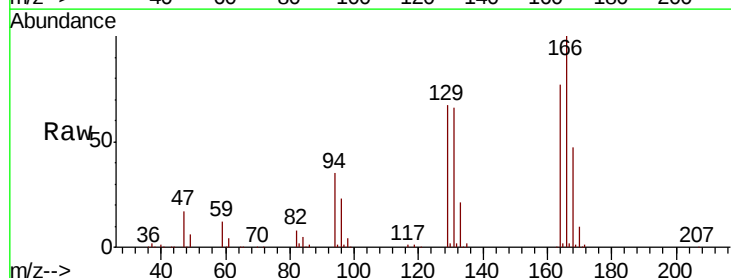
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

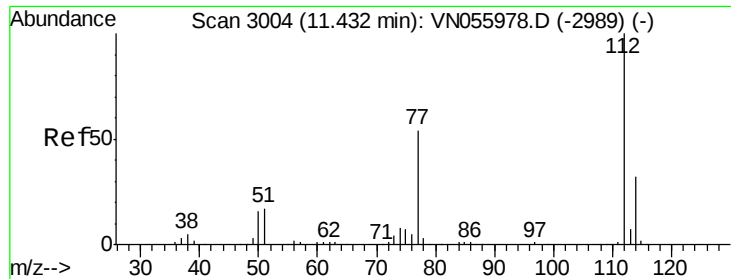
Tot Ion:117 Resp: 366621
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 48.957 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:164 Resp: 155365
Ion Ratio Lower Upper
164 100
166 129.1 103.0 154.6
129 87.0 70.6 105.8
131 84.7 68.6 102.8

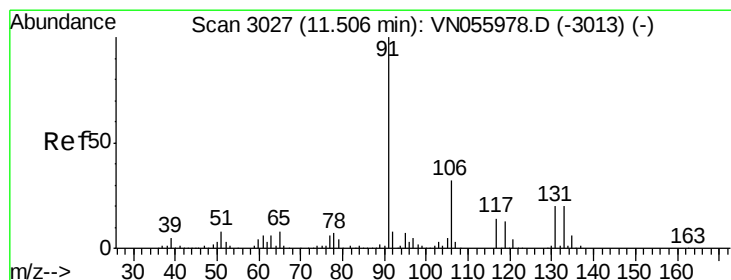
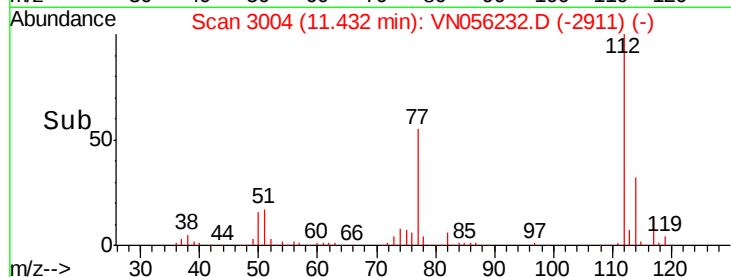
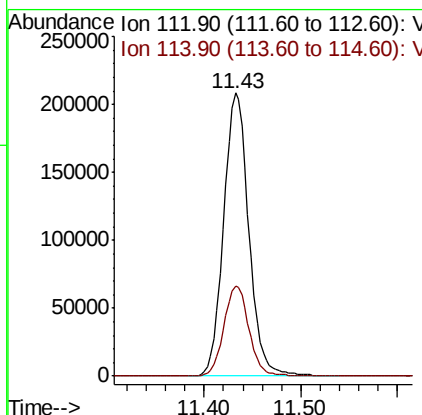
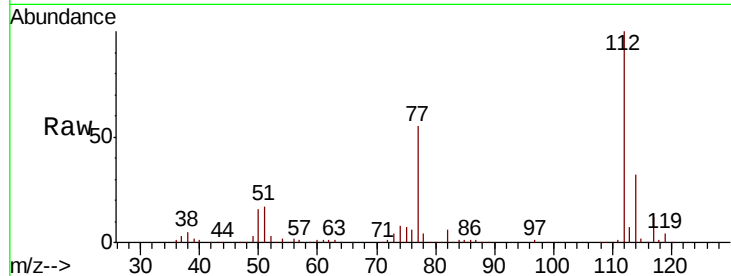




#65
Chlorobenzene
Concen: 51.603 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

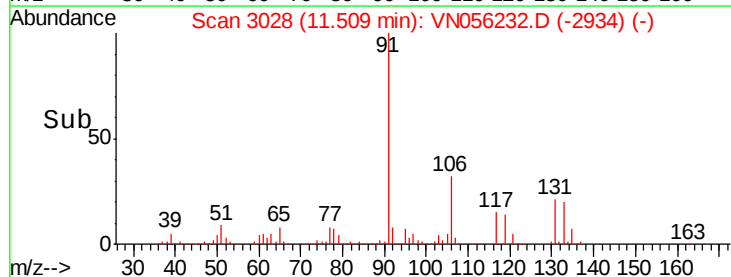
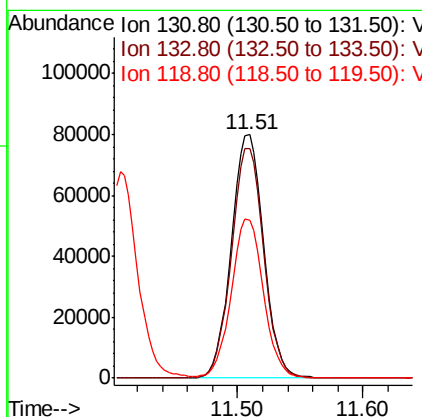
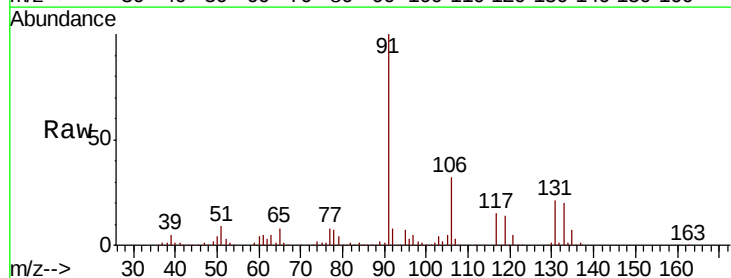
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

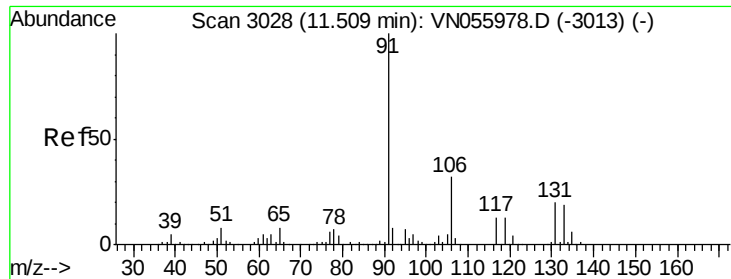
Tot Ion:112 Resp: 376520
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.818 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:131 Resp: 143147
Ion Ratio Lower Upper
131 100
133 94.4 48.0 144.0
119 65.1 33.1 99.5

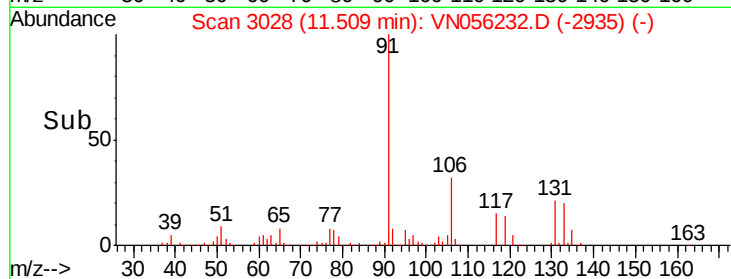
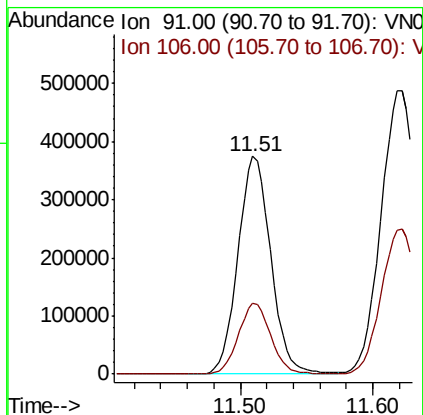
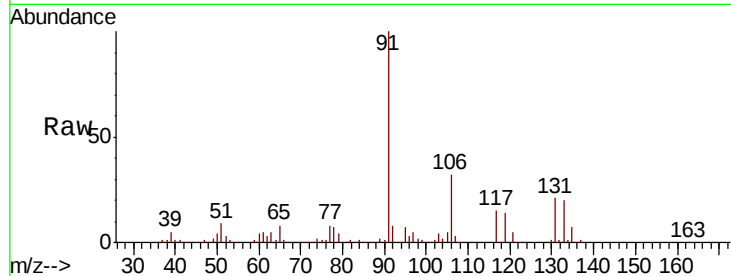




#67
Ethyl Benzene
Concen: 50.892 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

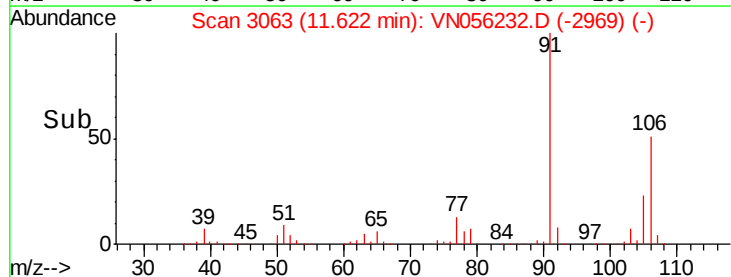
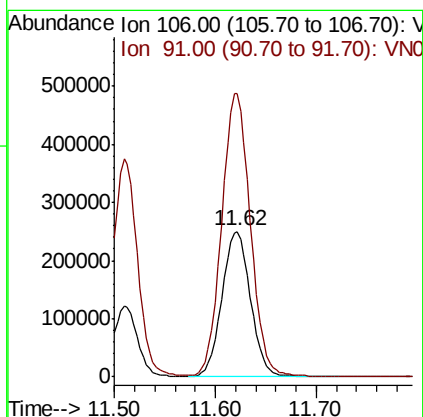
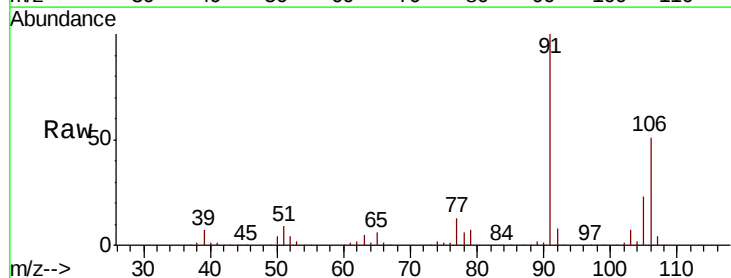
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

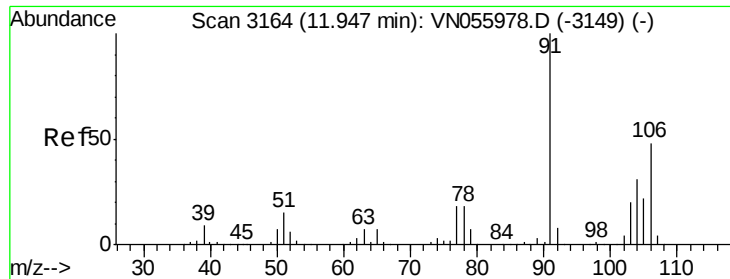
Tot Ion: 91 Resp: 645686
Ion Ratio Lower Upper
91 100
106 32.5 25.1 37.7



#68
m/p-Xylenes
Concen: 102.101 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 106 Resp: 494857
Ion Ratio Lower Upper
106 100
91 196.2 159.3 238.9

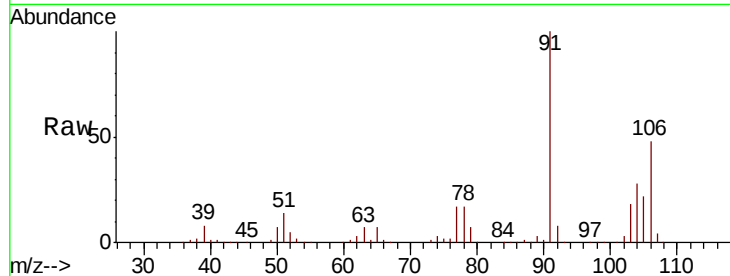




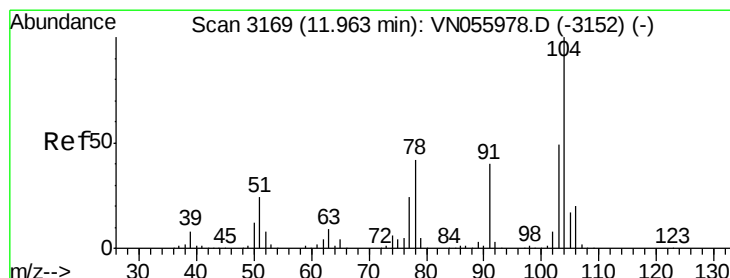
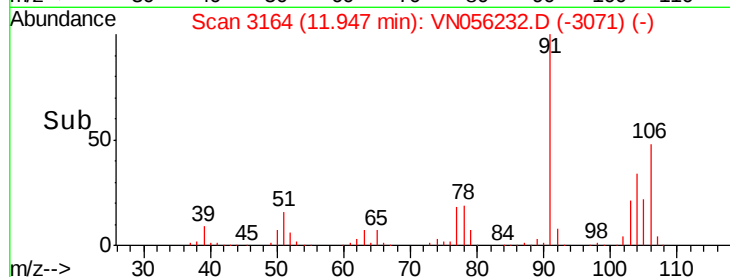
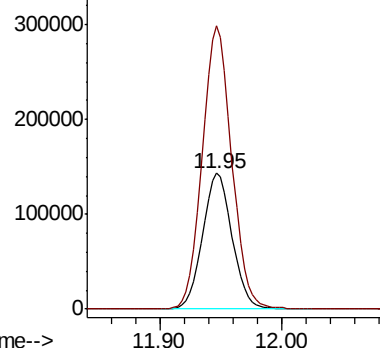
#69
o-Xylene
Concen: 50.798 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:106 Resp: 242180
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1

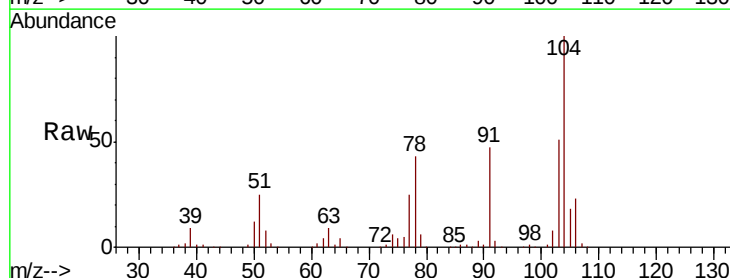


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

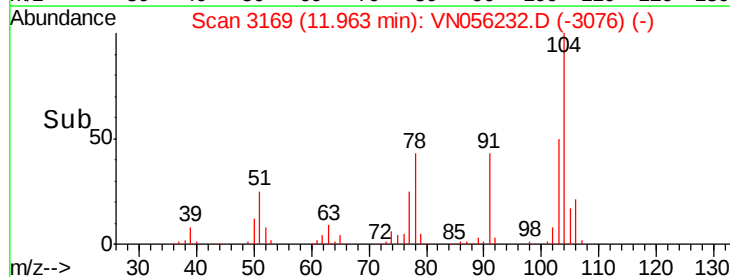
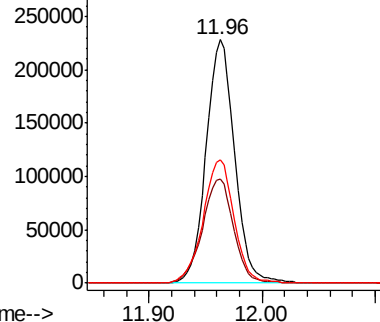


#70
Styrene
Concen: 52.885 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:104 Resp: 400601
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 54.9 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.586 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

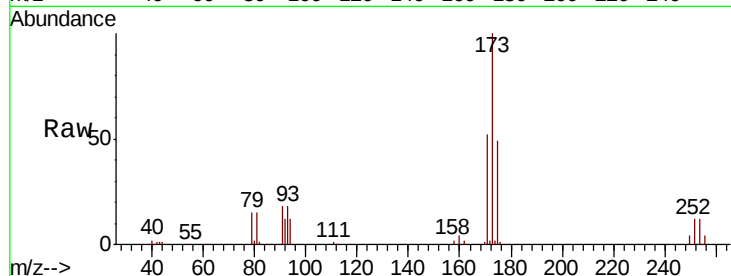
Tot Ion:173 Resp: 113783

Ion Ratio Lower Upper

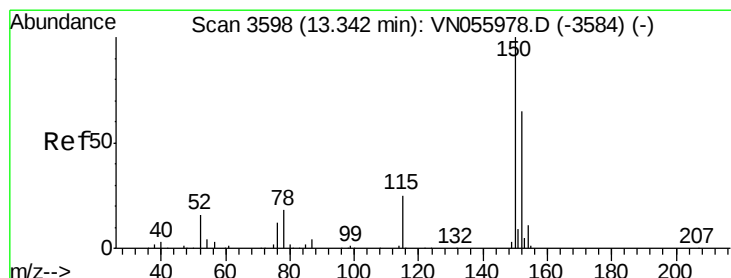
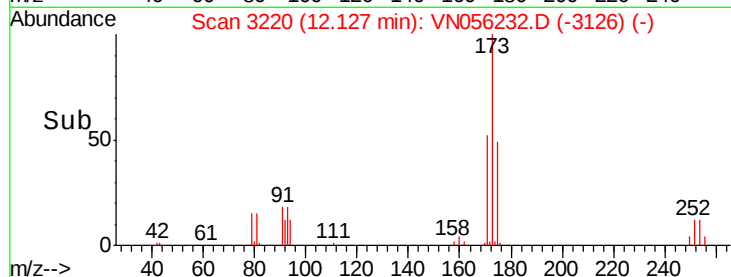
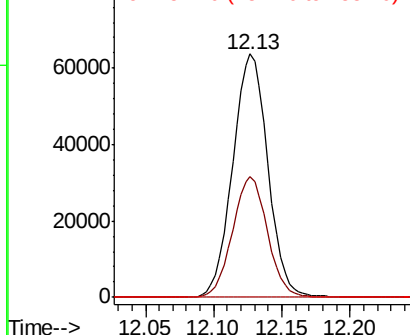
173 100

175 49.1 24.3 72.8

254 0.0 0.0 0.0#



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: VN056232.D

Acq: 11 Jun 2019 18:58

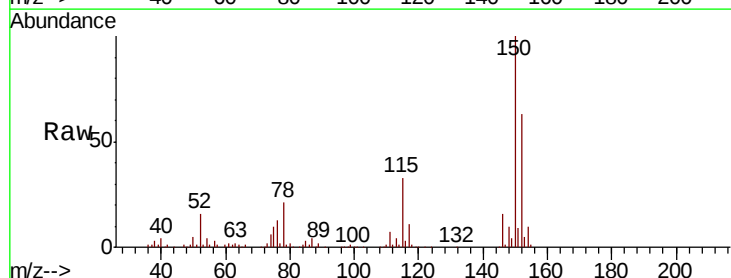
Tgt Ion:152 Resp: 162627

Ion Ratio Lower Upper

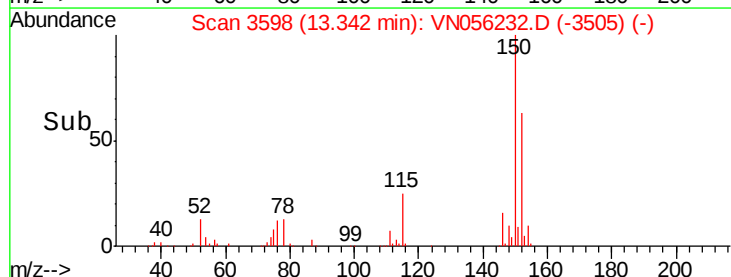
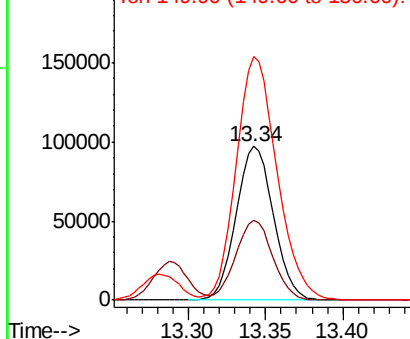
152 100

115 51.7 27.0 81.0

150 173.7 0.0 343.2



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





#73

Isopropylbenzene

Concen: 54.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

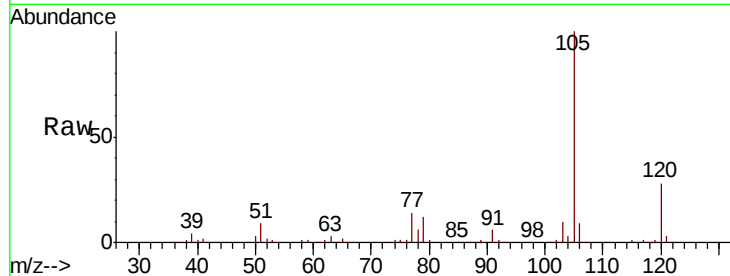
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:105 Resp: 632930

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

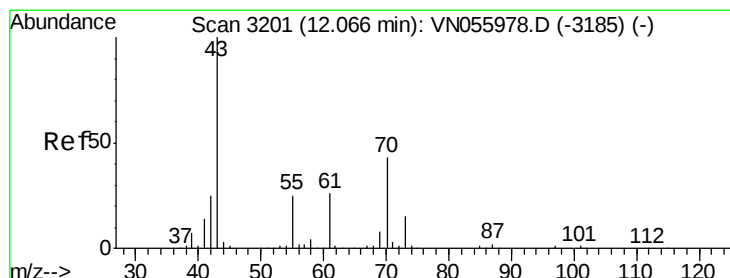
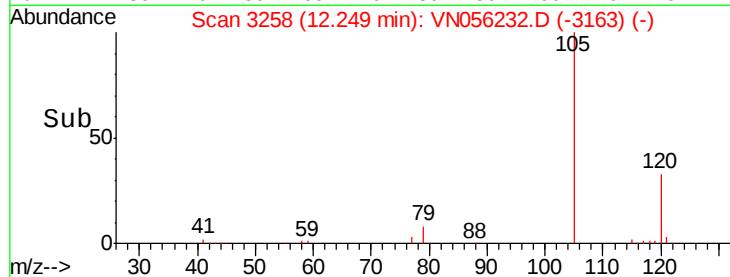
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 43.804 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Tgt Ion: 43 Resp: 189892

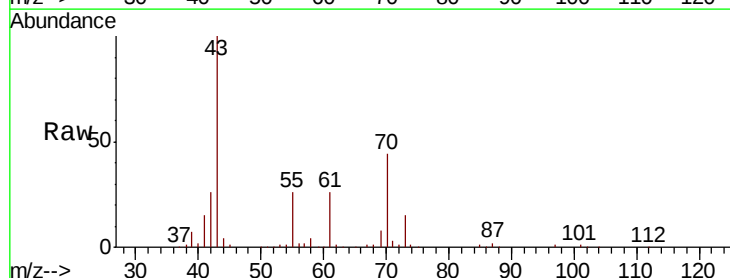
Ion Ratio Lower Upper

43 100

70 44.2 34.0 51.0

55 25.8 18.6 28.0

61 25.5 20.0 30.0



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

12.07

150000

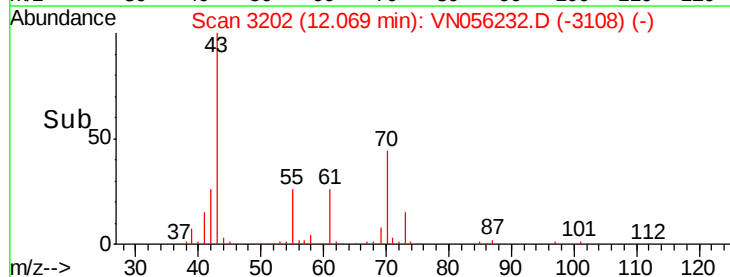
100000

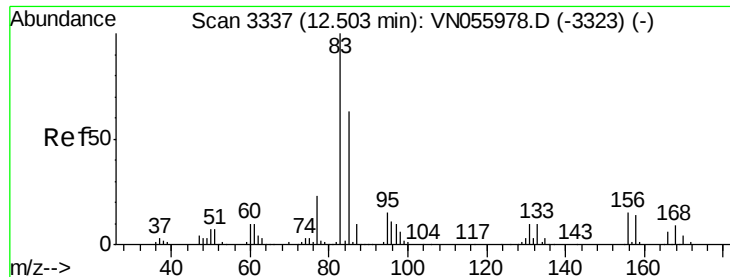
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.541 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

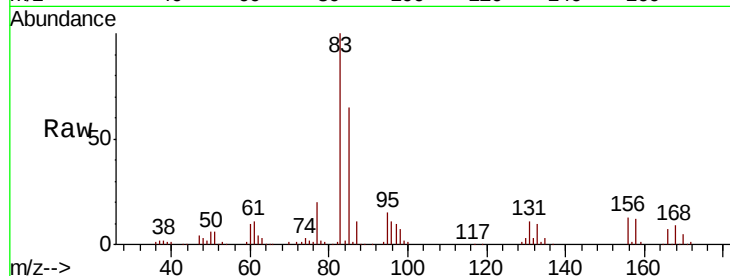
Tot Ion: 83 Resp: 194582

Ion Ratio Lower Upper

83 100

131 11.2 5.4 16.2

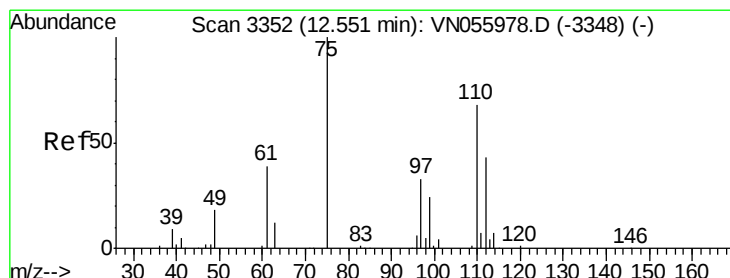
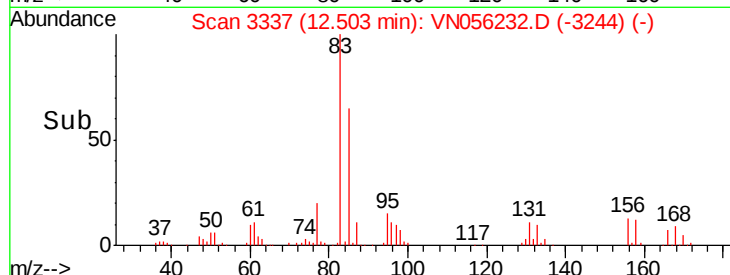
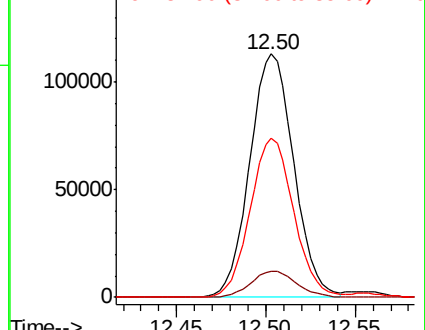
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.708 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056232.D

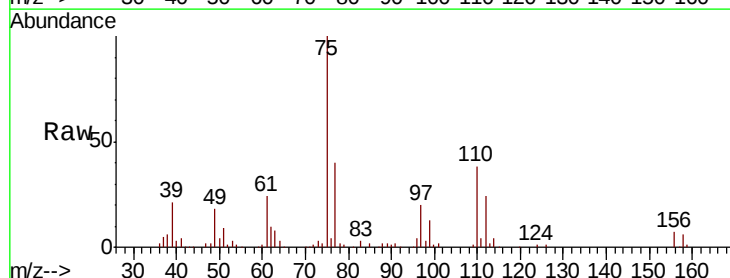
Acq: 11 Jun 2019 18:58

Tgt Ion: 75 Resp: 217573

Ion Ratio Lower Upper

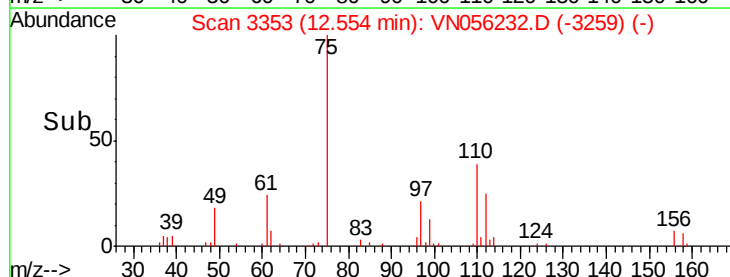
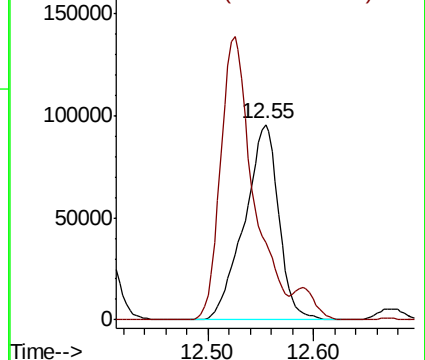
75 100

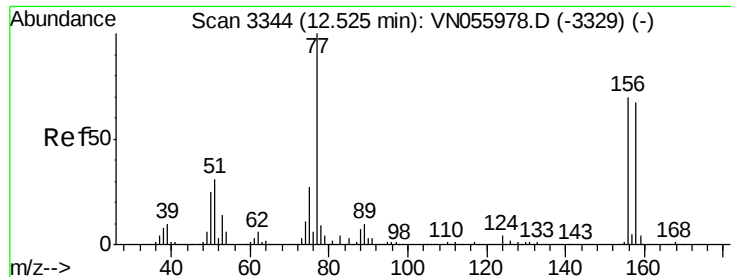
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.154 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

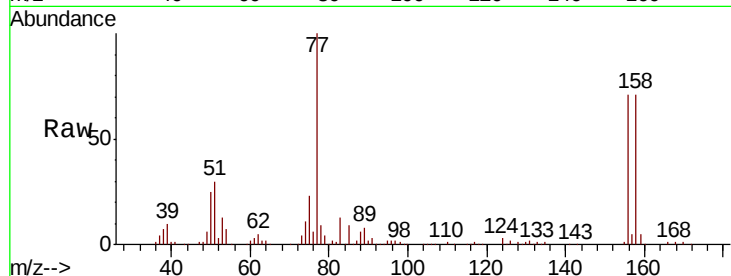
Tot Ion:156 Resp: 174626

Ion Ratio Lower Upper

156 100

77 170.8 90.8 272.5

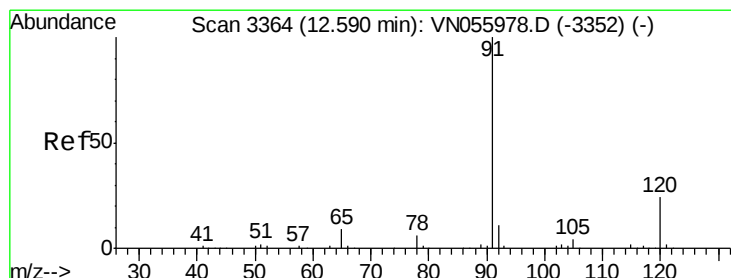
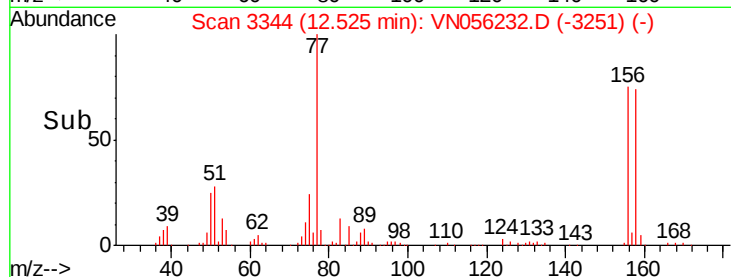
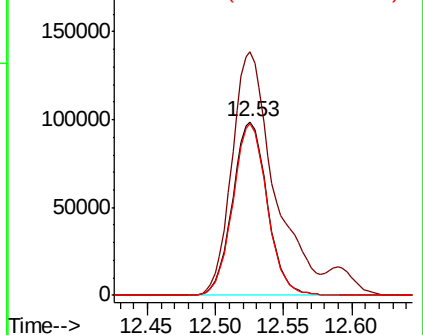
158 97.5 49.3 147.8



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: 48.639 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056232.D

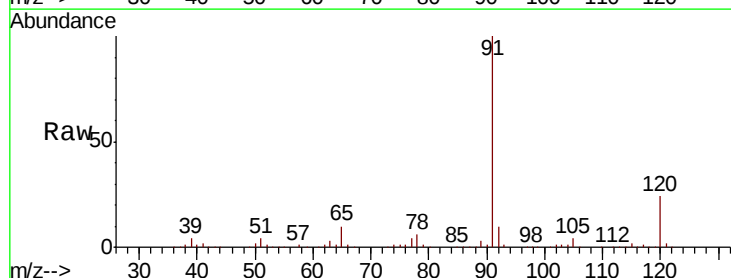
Acq: 11 Jun 2019 18:58

Tgt Ion: 91 Resp: 669182

Ion Ratio Lower Upper

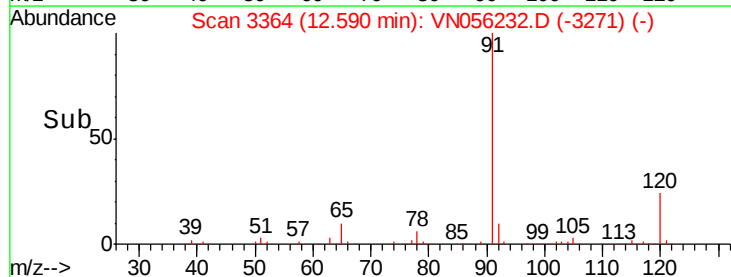
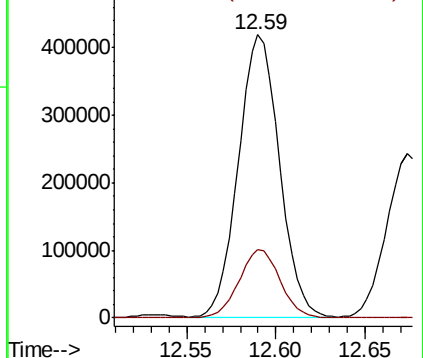
91 100

120 24.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.253 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

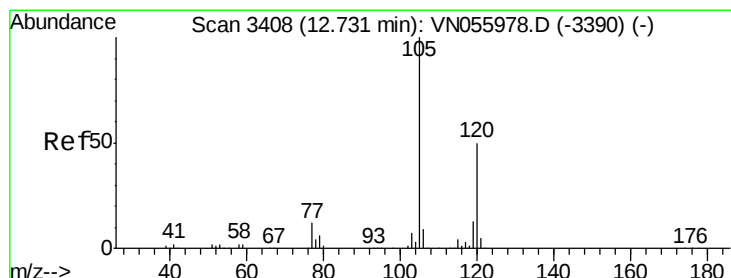
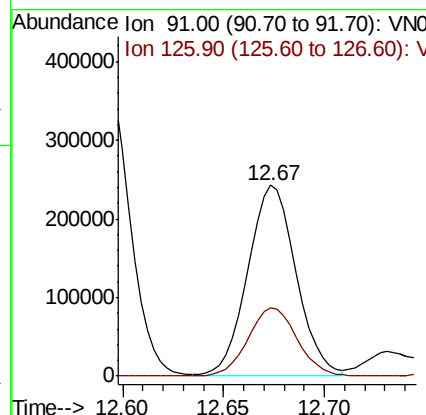
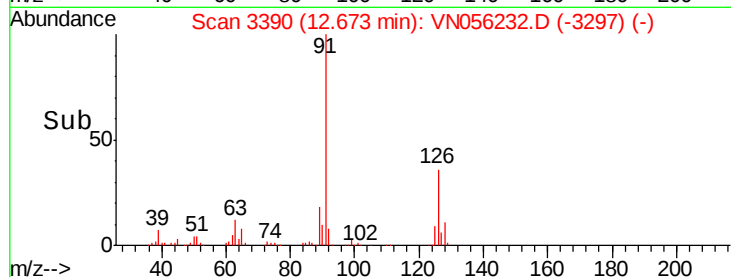
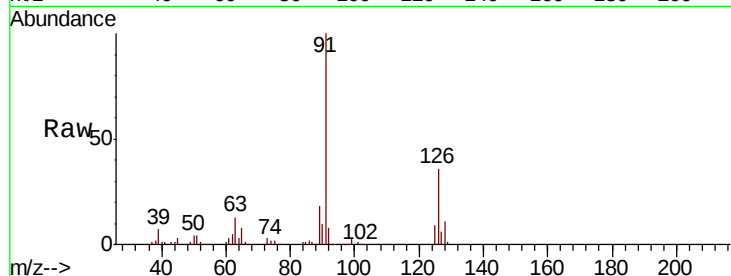
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 91 Resp: 405232

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 47.175 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056232.D

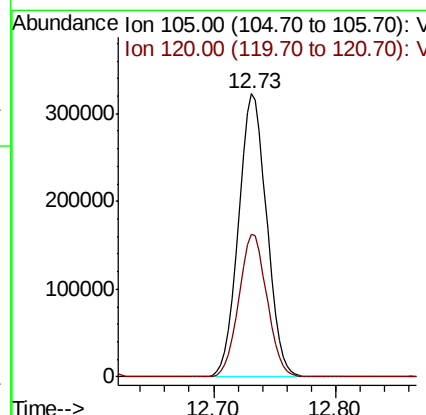
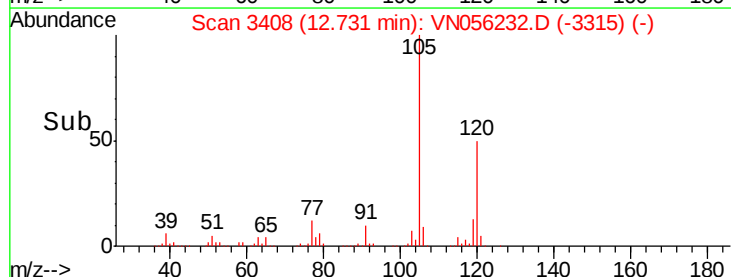
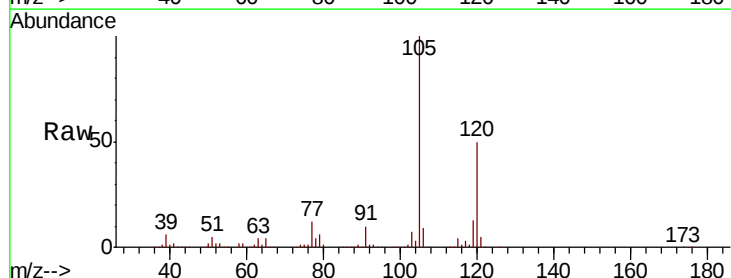
Acq: 11 Jun 2019 18:58

Tgt Ion: 105 Resp: 515832

Ion Ratio Lower Upper

105 100

120 50.3 24.7 74.1

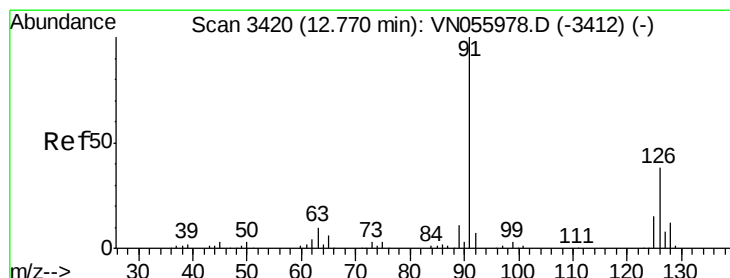
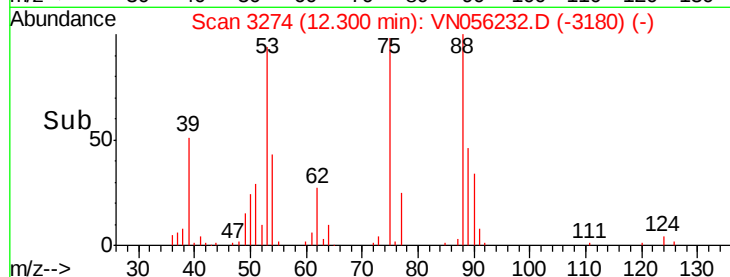
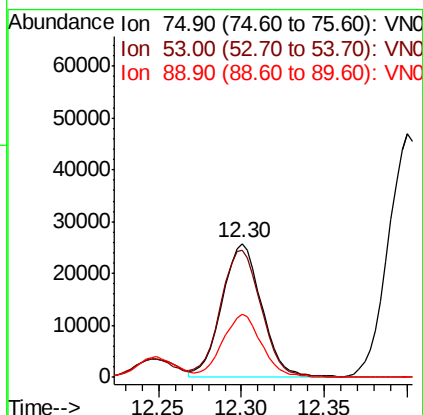
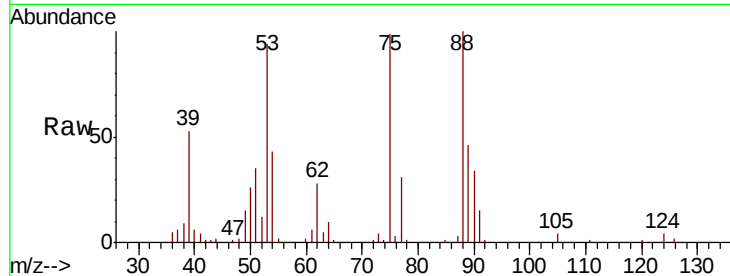




#81
trans-1,4-Dichloro-2-butene
Concen: 48.115 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

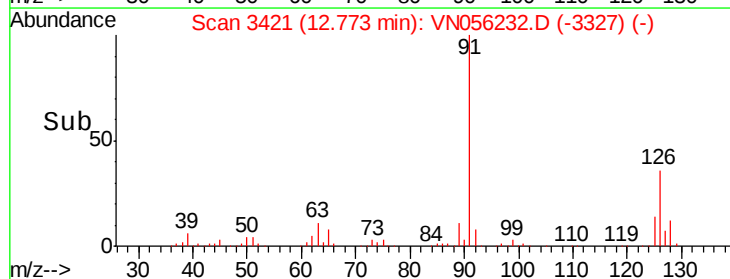
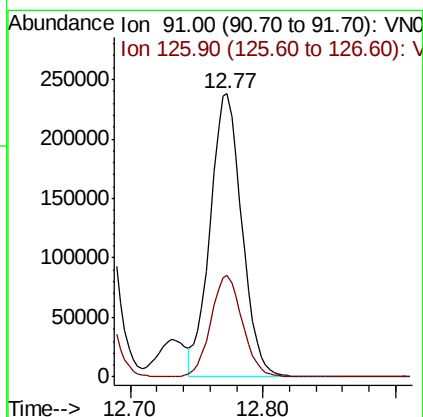
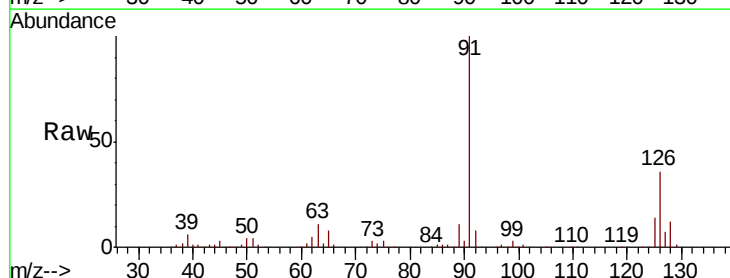
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

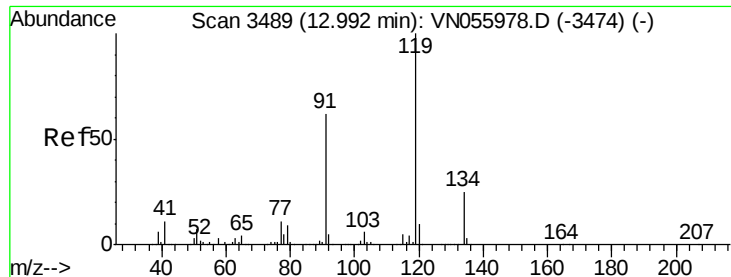
Tot Ion: 75 Resp: 43235
Ion Ratio Lower Upper
75 100
53 97.3 68.1 102.1
89 45.8 36.9 55.3



#82
4-Chlorotoluene
Concen: 48.985 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 91 Resp: 394287
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.3

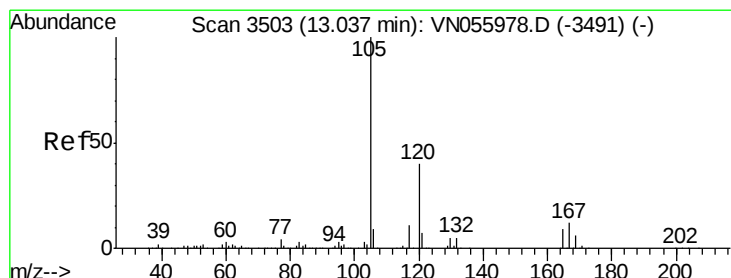
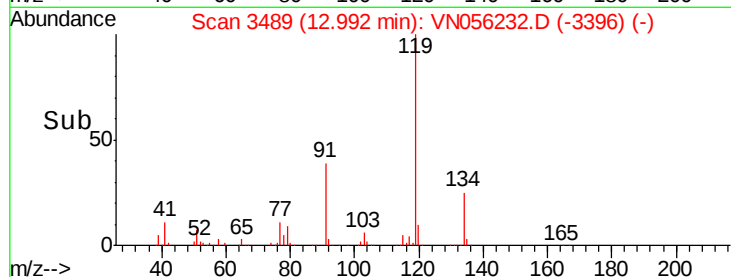
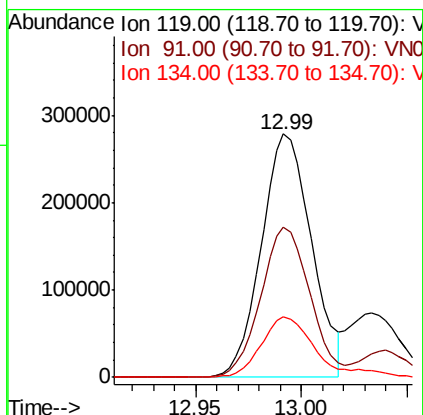
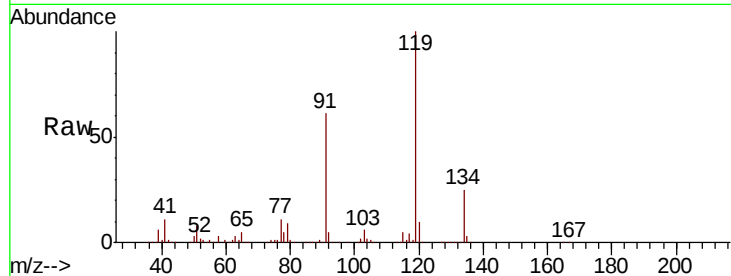




#83
tert-Butylbenzene
Concen: 54.705 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

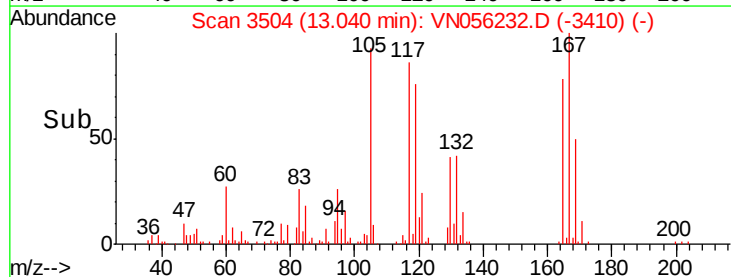
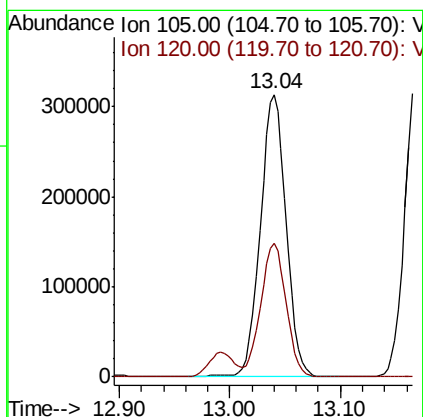
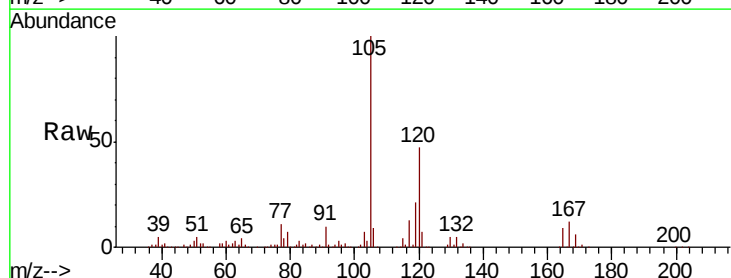
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

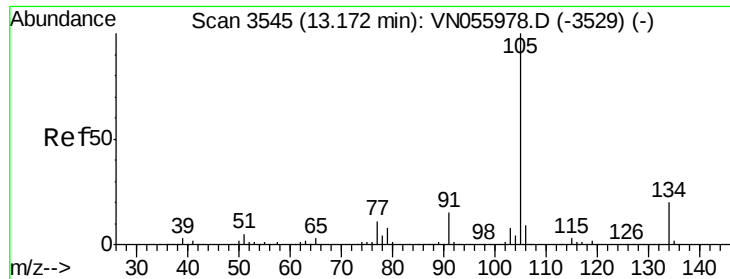
Tot Ion:119 Resp: 461931
Ion Ratio Lower Upper
119 100
91 60.4 30.9 92.8
134 27.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 48.964 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion:105 Resp: 507710
Ion Ratio Lower Upper
105 100
120 46.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 48.050 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

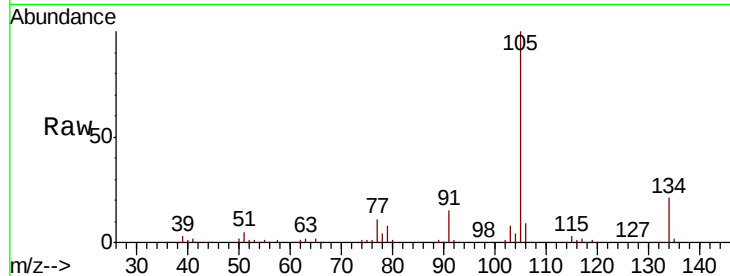
BP-TT-AOC22-MW10-20190609MSD

Tot Ion:105 Resp: 585450

Ion Ratio Lower Upper

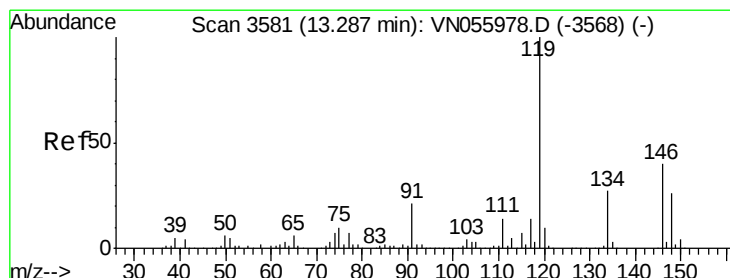
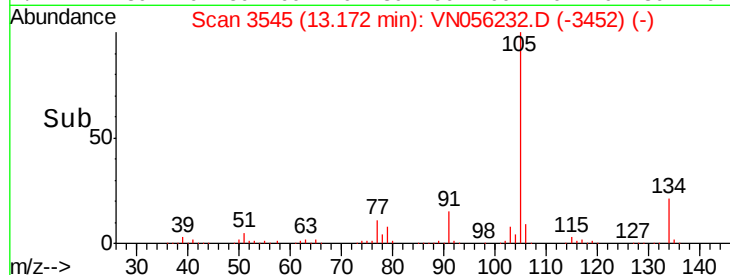
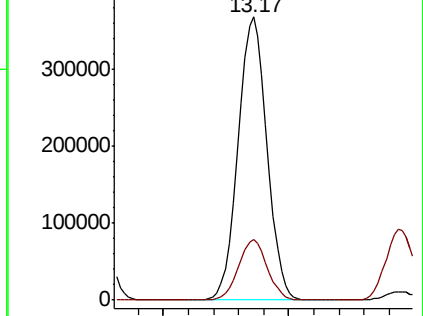
105 100

134 21.2 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.314 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

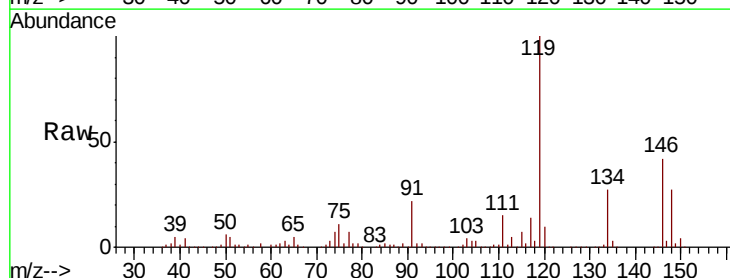
Tgt Ion:119 Resp: 526830

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

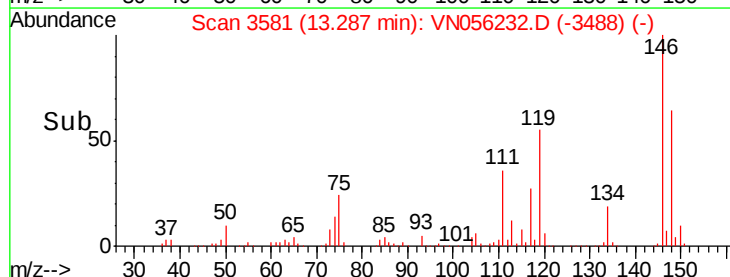
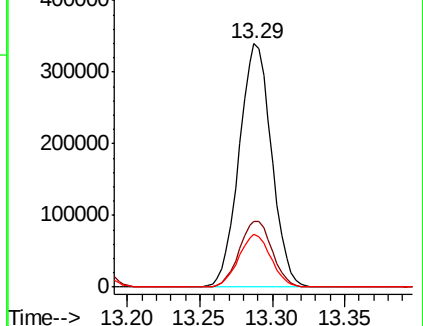
91 21.5 10.9 32.9

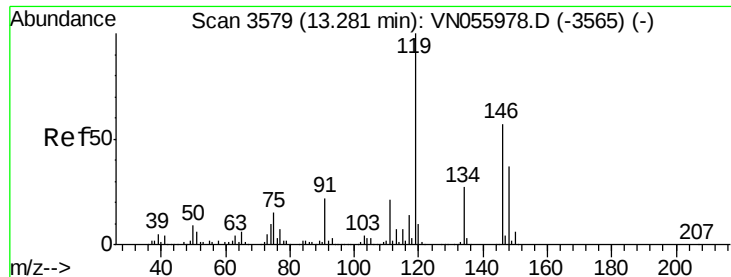


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

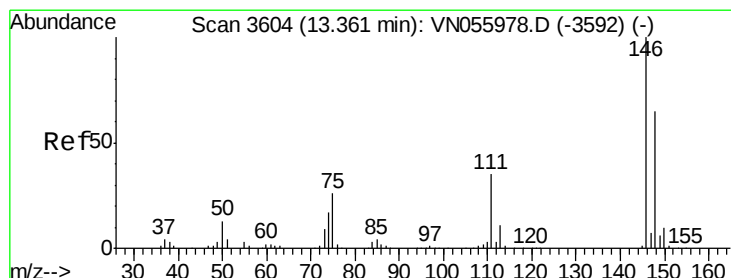
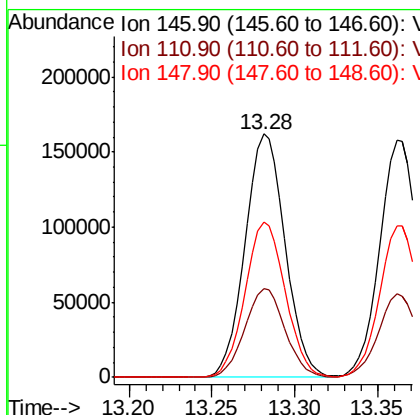
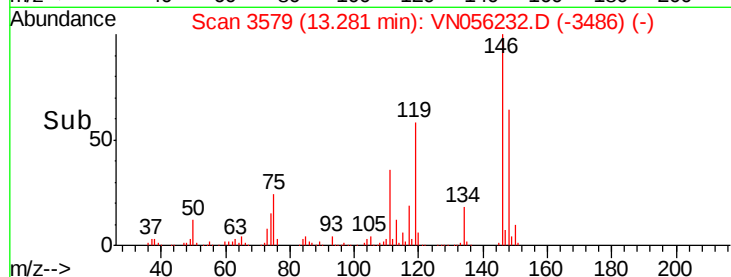
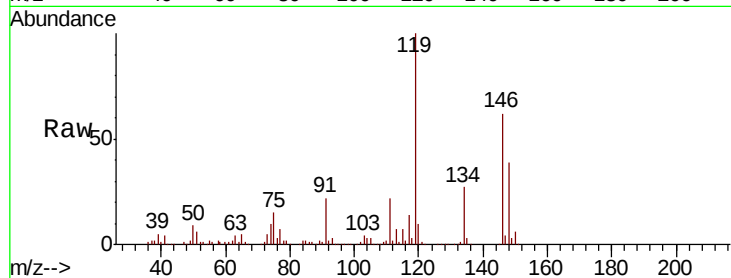




#87
 1,3-Dichlorobenzene
 Concen: 50.410 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

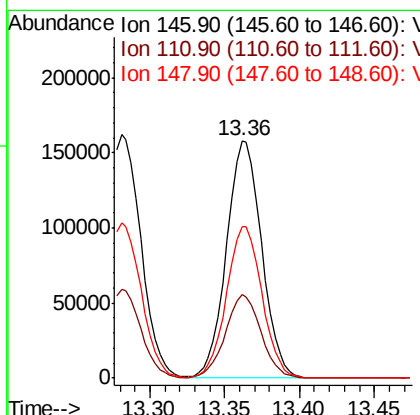
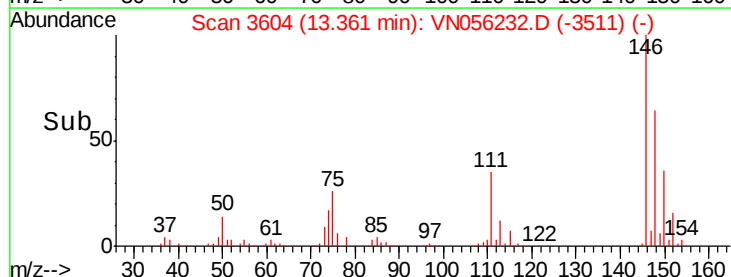
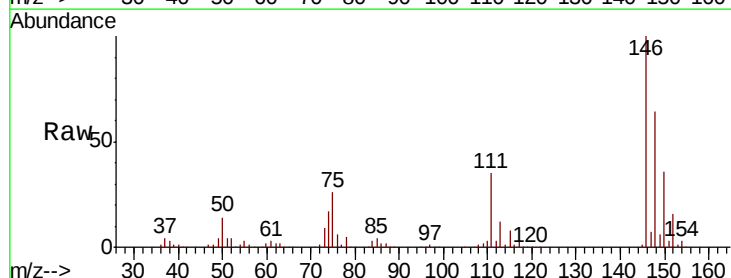
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

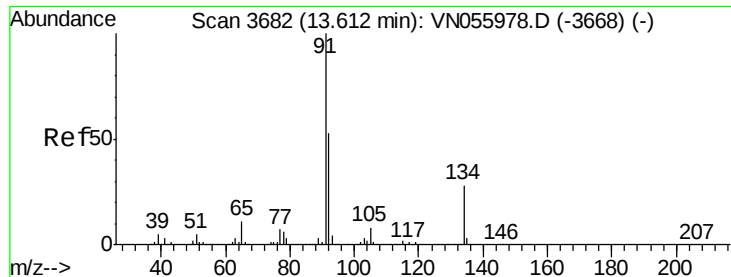
Tot Ion:146 Resp: 271653
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.5 55.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.063 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion:146 Resp: 259515
 Ion Ratio Lower Upper
 146 100
 111 35.3 18.1 54.4
 148 64.4 32.1 96.5

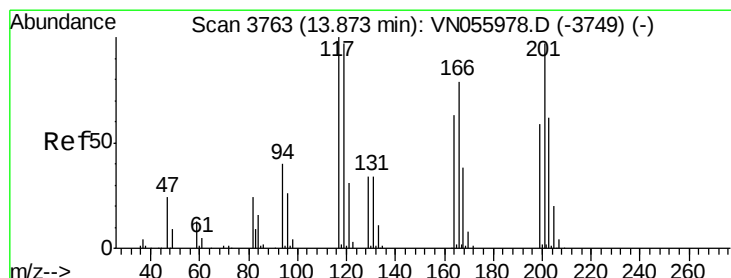
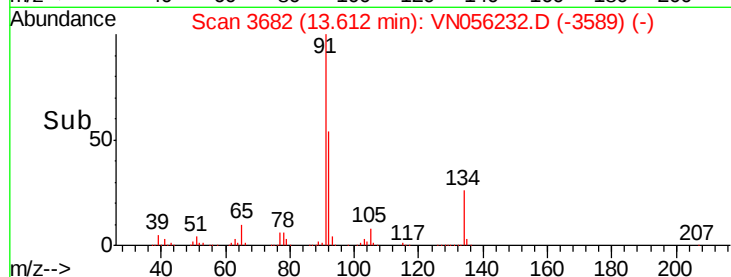
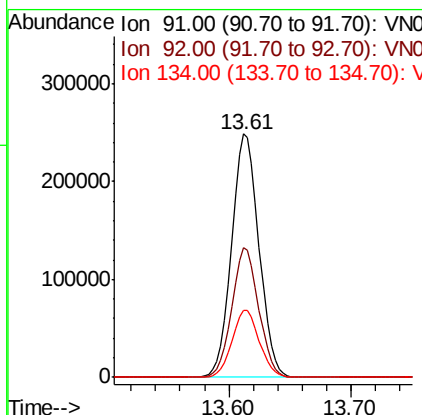
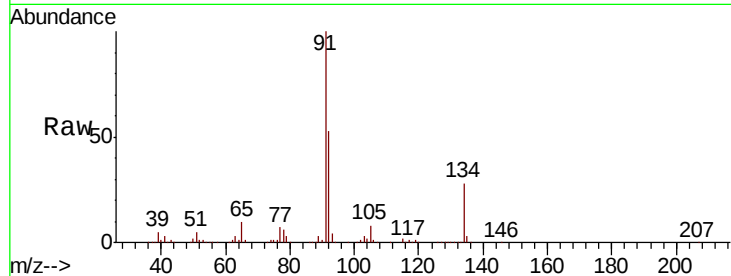




#89
n-Butylbenzene
Concen: 47.881 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

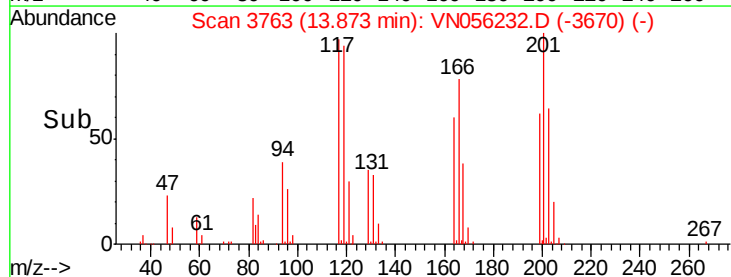
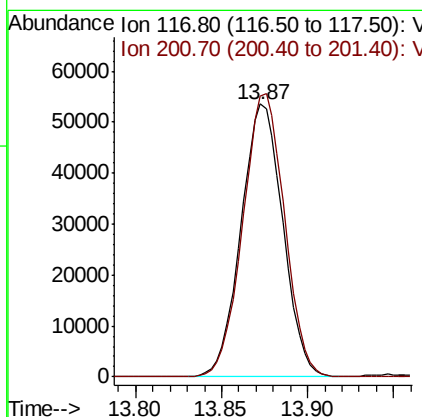
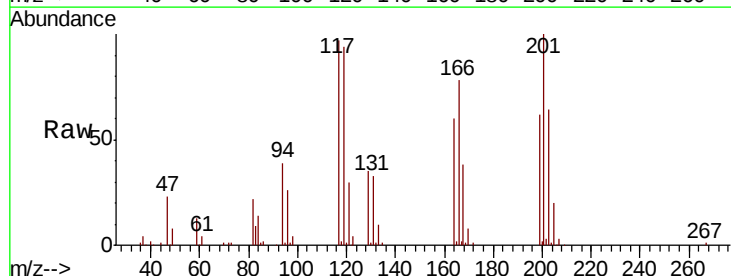
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MSD

Tot Ion: 91 Resp: 386775
Ion Ratio Lower Upper
91 100
92 52.4 26.4 79.0
134 27.7 13.9 41.7



#90
Hexachloroethane
Concen: 54.860 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056232.D
Acq: 11 Jun 2019 18:58

Tgt Ion: 117 Resp: 90216
Ion Ratio Lower Upper
117 100
201 103.5 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 49.879 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

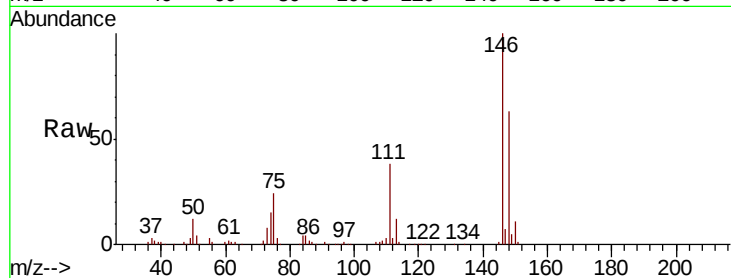
Tot Ion:146 Resp: 271371

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.5

148 64.1 31.9 95.9



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

200000

150000

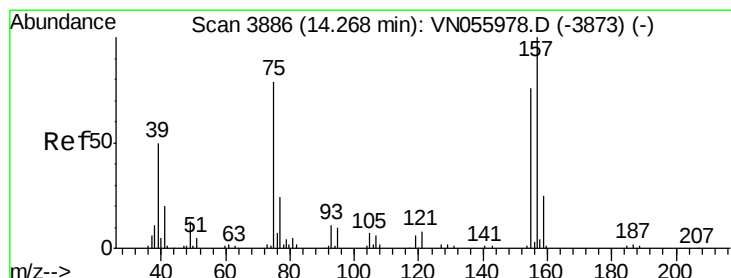
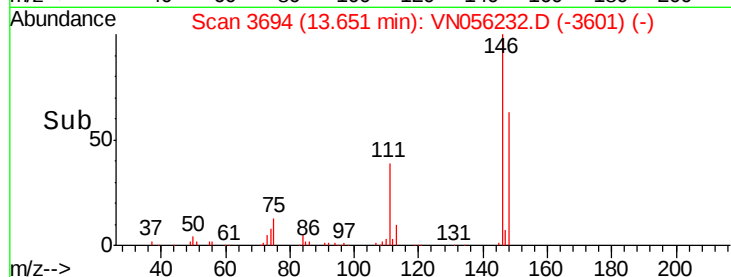
100000

50000

0

13.60 13.65 13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.967 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

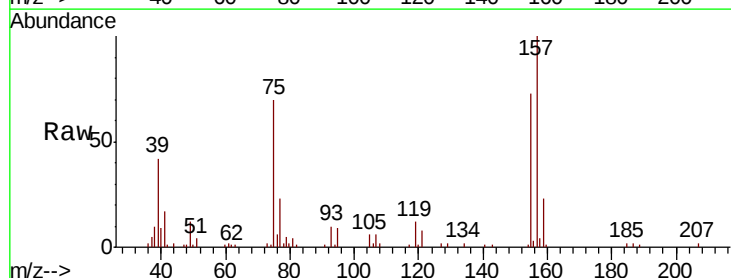
Tgt Ion: 75 Resp: 30761

Ion Ratio Lower Upper

75 100

155 103.8 50.0 150.1

157 138.4 64.8 194.3



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

30000

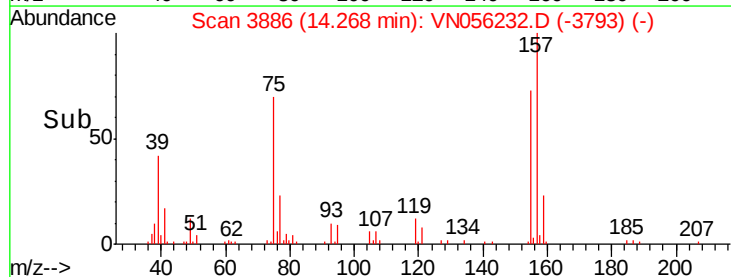
20000

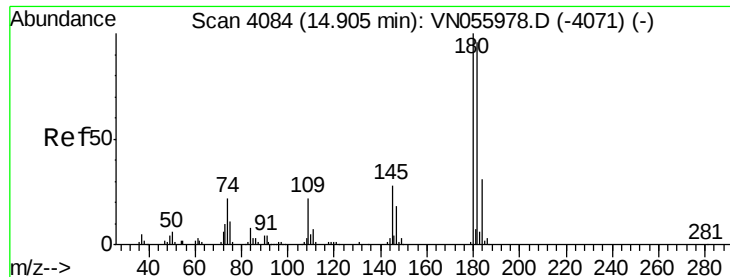
10000

0

14.20 14.25 14.30

Time-->

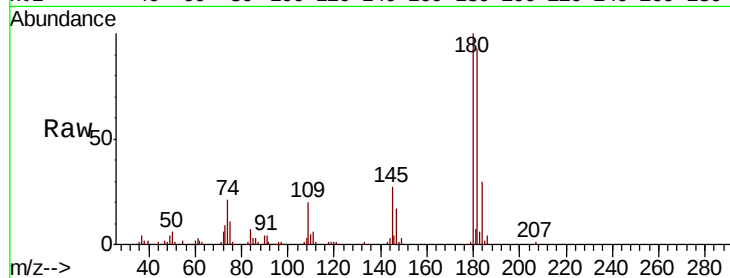




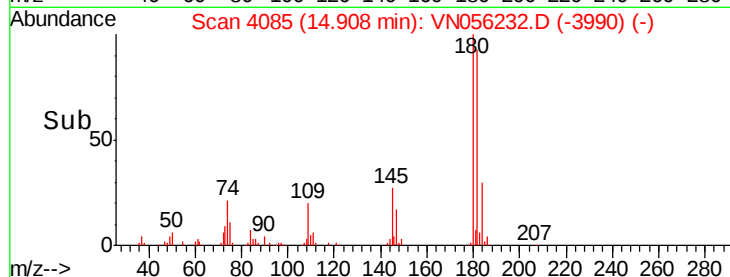
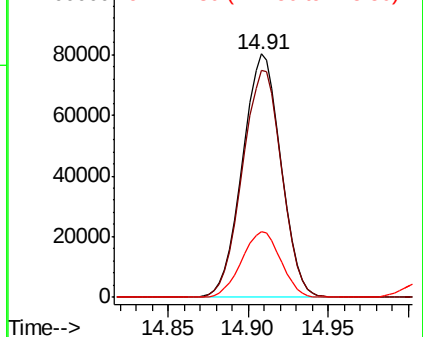
#93
 1,2,4-Trichlorobenzene
 Concen: 44.429 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MSD

Tot Ion:180 Resp: 131643
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.3 144.9
 145 27.5 14.0 41.9

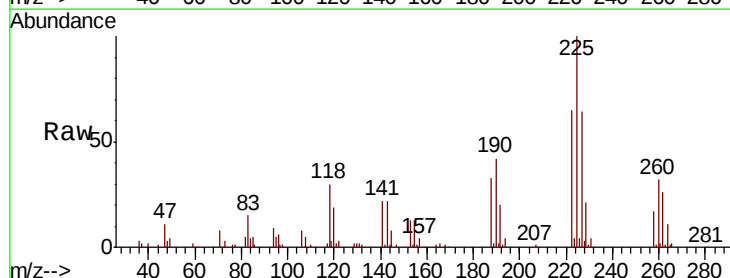


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

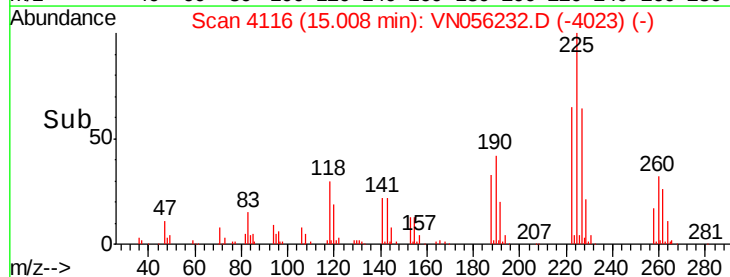
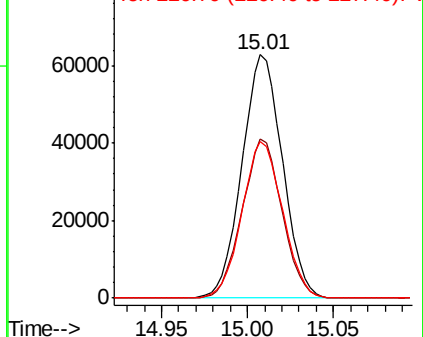


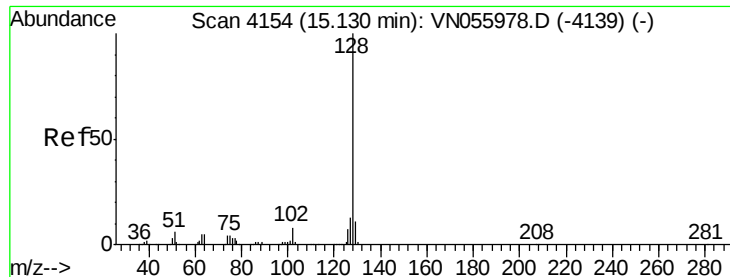
#94
 Hexachlorobutadiene
 Concen: 55.176 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056232.D
 Acq: 11 Jun 2019 18:58

Tgt Ion:225 Resp: 102556
 Ion Ratio Lower Upper
 225 100
 223 64.3 30.9 92.7
 227 64.5 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.781 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MSD

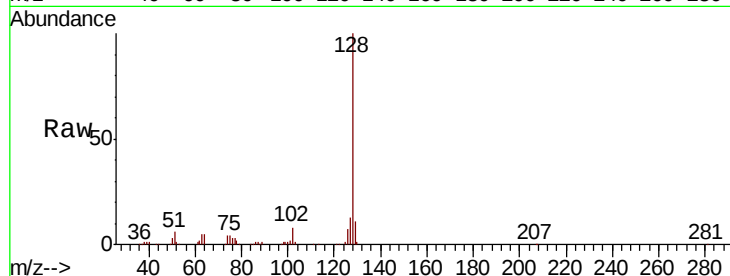
Tot Ion:128 Resp: 344939

Ion Ratio Lower Upper

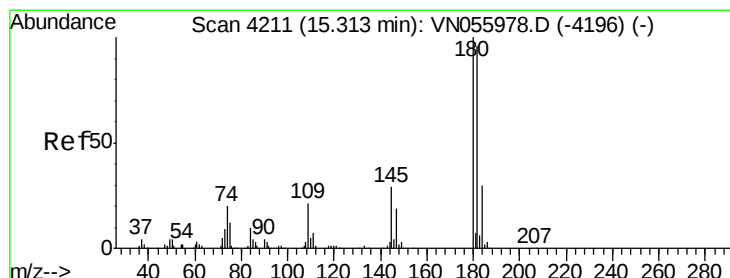
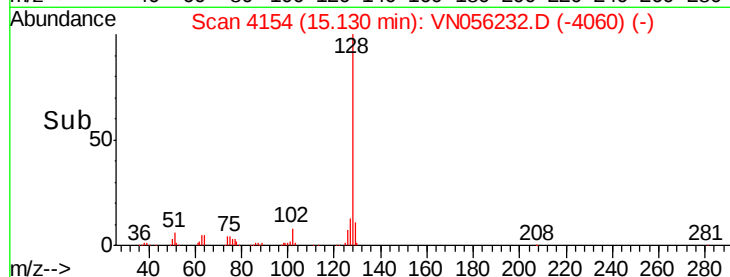
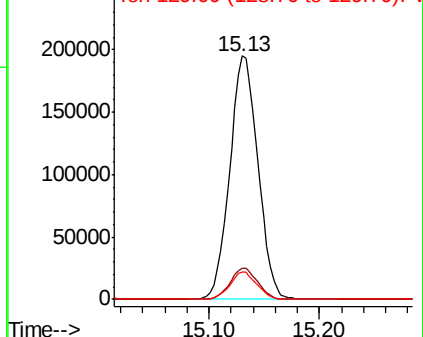
128 100

127 12.6 10.3 15.5

129 10.8 8.7 13.1



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: 48.335 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056232.D

Acq: 11 Jun 2019 18:58

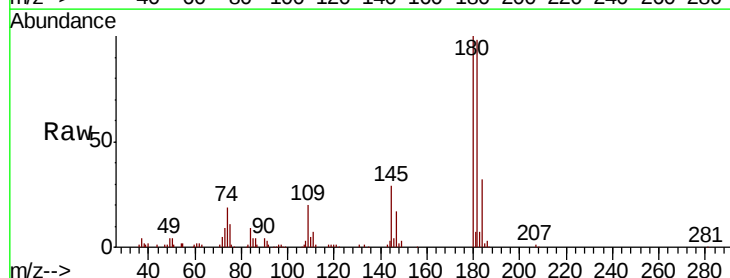
Tgt Ion:180 Resp: 147356

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.7

145 29.3 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

