

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090120\
 Data File : VV018146.D
 Acq On : 01 Sep 2020 15:17
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Sep 02 01:45:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 02 01:43:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	270295	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	264885	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146996	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81013	39.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.56%
7) Chloroethane-d5	1.58	69	76836	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.08%
11) 1,1-Dichloroethene-d2	2.12	63	177720	45.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.10%
21) 2-Butanone-d5	3.90	46	135918	100.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	4.37	84	185243	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	5.05	65	118169	48.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.92%
32) Benzene-d6	5.07	84	348356	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
36) 1,2-Dichloropropane-d6	6.09	67	116008	48.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.22%
41) Toluene-d8	7.33	98	317981	48.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.88%
43) trans-1,3-Dichloropropene-	7.64	79	57045	52.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.40%
47) 2-Hexanone-d5	8.11	63	78444	102.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	157631	50.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	142328	49.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	92944	44.540	ug/L	100
3) Chloromethane	1.25	50	104153	42.966	ug/L	99
5) Vinyl chloride	1.32	62	109976	45.790	ug/L	99
6) Bromomethane	1.53	94	66211	46.126	ug/L	98
8) Chloroethane	1.60	64	71938	46.928	ug/L	100
9) Trichlorofluoromethane	1.77	101	163066	47.530	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96847	50.557	ug/L	97
12) 1,1-Dichloroethene	2.13	96	88254	48.675	ug/L	96
13) Acetone	2.19	43	135487	97.113	ug/L	98
14) Carbon disulfide	2.31	76	229541	45.998	ug/L	100
15) Methyl Acetate	2.44	43	104728	46.515	ug/L	99
16) Methylene chloride	2.52	84	108871	47.132	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	91776	49.242	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	311465	50.531	ug/L	99
19) 1,1-Dichloroethane	3.21	63	187420	50.010	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	104313	50.931	ug/L	97
22) 2-Butanone	3.99	43	162804	104.019	ug/L	95

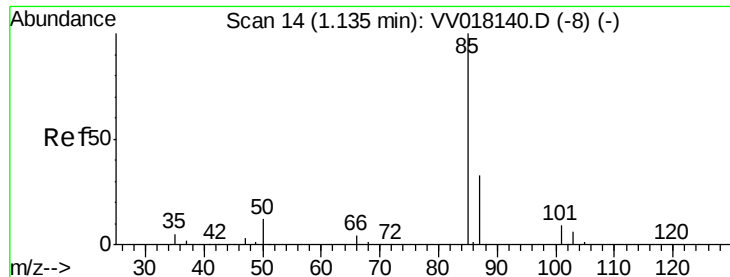
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090120\
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 Quant Title : VOC Analysis
 QLast Update : Wed Sep 02 01:43:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55442	51.818	uq/L	95
25) Chloroform	4.40	83	194766	50.953	uq/L	100
27) 1,2-Dichloroethane	5.15	62	150309	49.403	uq/L	98
29) Cyclohexane	4.70	56	151271	47.317	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	162752	50.139	uq/L	98
31) Carbon tetrachloride	4.85	117	141346	52.307	uq/L	98
33) Benzene	5.12	78	403917	49.288	uq/L	100
34) Trichloroethene	5.94	95	106067	48.964	uq/L	99
35) Methylcyclohexane	6.15	83	155813	48.373	uq/L	99
37) 1,2-Dichloropropane	6.19	63	109248	48.883	uq/L	100
38) Bromodichloromethane	6.53	83	144872	52.187	uq/L	99
39) cis-1,3-Dichloropropene	7.05	75	169280	53.430	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	280024	95.847	uq/L	99
42) Toluene	7.41	91	432731	50.603	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	167629	55.764	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	104336	50.411	uq/L	99
46) Tetrachloroethene	7.99	164	82486	51.921	uq/L	99
48) 2-Hexanone	8.15	43	225382	95.666	uq/L	99
49) Dibromochloromethane	8.26	129	114726	56.790	uq/L	100
50) 1,2-Dibromoethane	8.37	107	107039	49.986	uq/L	97
51) Chlorobenzene	8.90	112	279739	50.863	uq/L	99
52) Ethylbenzene	9.03	91	479544	51.431	uq/L	99
53) m,p-Xylene	9.16	106	181267	52.857	uq/L	97
54) o-xylene	9.56	106	174502	51.491	uq/L	98
55) Styrene	9.58	104	312770	53.892	uq/L	100
56) Isopropylbenzene	9.95	105	473784	52.993	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	158035	49.034	uq/L	99
59) 1,2,3-Trichloropropane	10.29	75	132784	48.108	uq/L	100
61) Bromoform	9.75	173	84073	60.446	uq/L	100
62) 1,3-Dichlorobenzene	11.20	146	232945	49.834	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	240235	50.029	uq/L	98
65) 1,2-Dichlorobenzene	11.67	146	236938	49.247	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	33556	47.337	uq/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	188617	53.118	uq/L	100
68) 1,2,4-trichlorobenzene	13.28	180	172880	55.376	uq/L	99
69) Naphthalene	13.52	128	442160	51.385	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	172230	54.248	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 44.540 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampled :

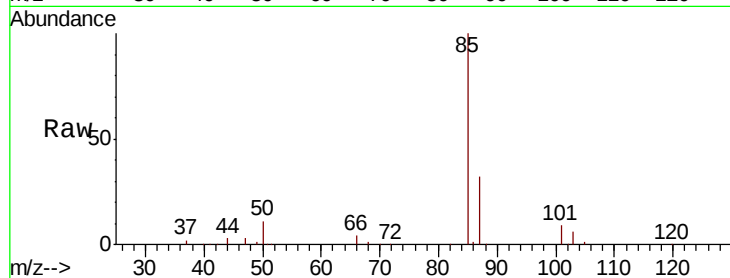
VSTD05092

Tot Ion: 85 Resp: 92944

Ion Ratio Lower Upper

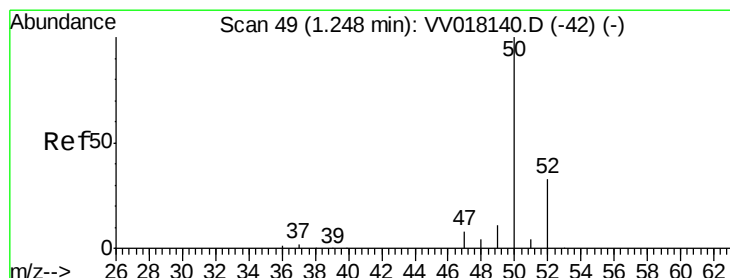
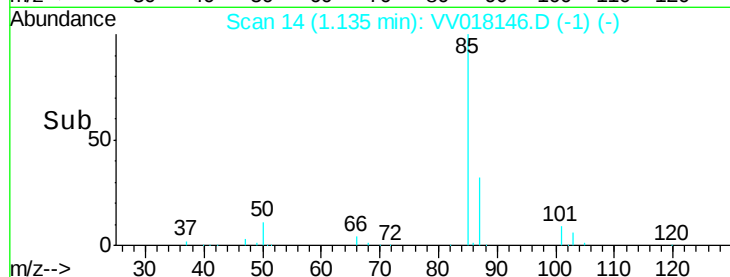
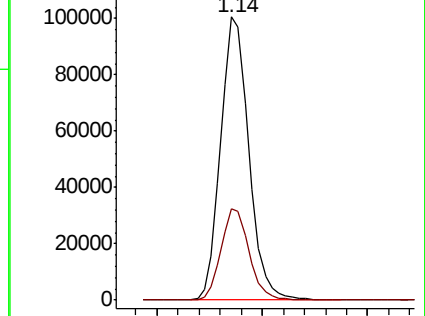
85 100

87 32.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 42.966 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018146.D

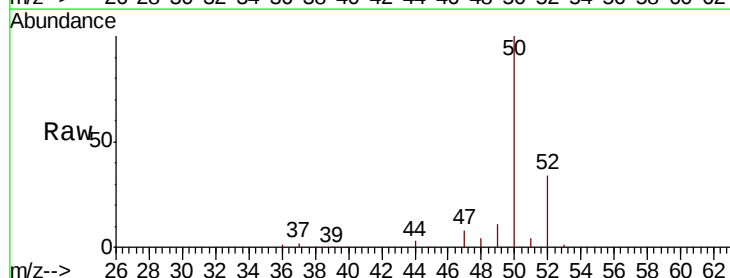
Acq: 01 Sep 2020 15:17

Tgt Ion: 50 Resp: 104153

Ion Ratio Lower Upper

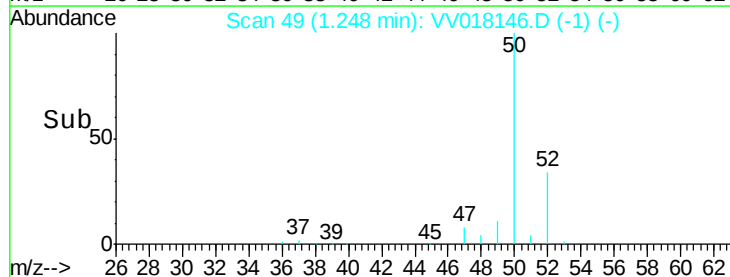
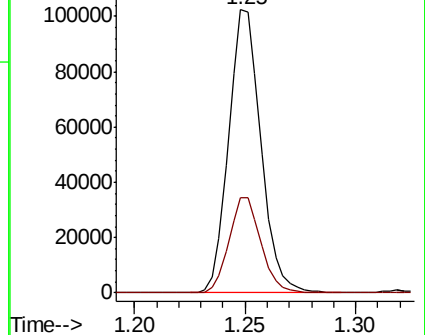
50 100

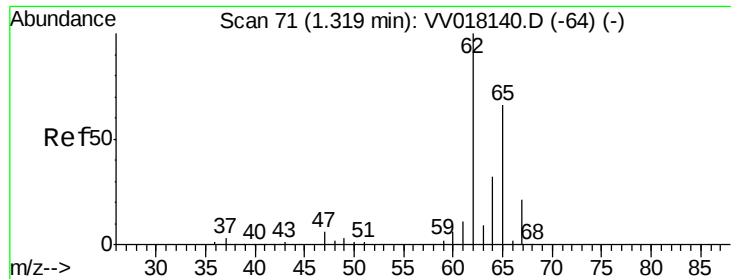
52 33.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

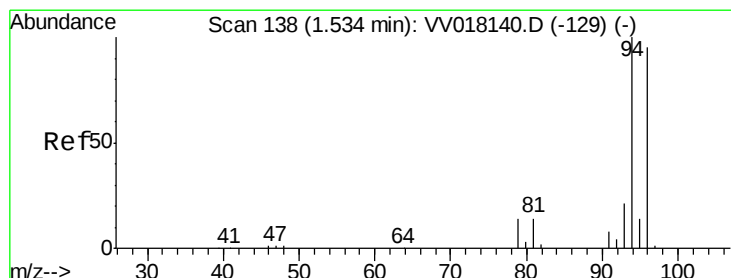
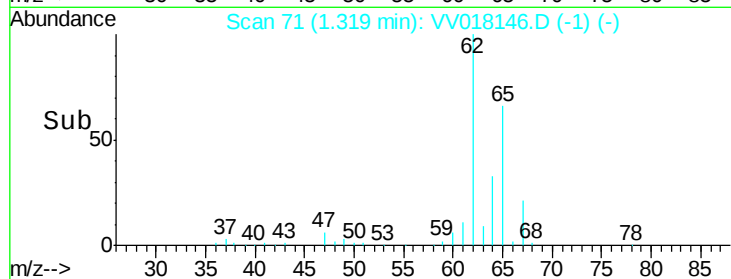
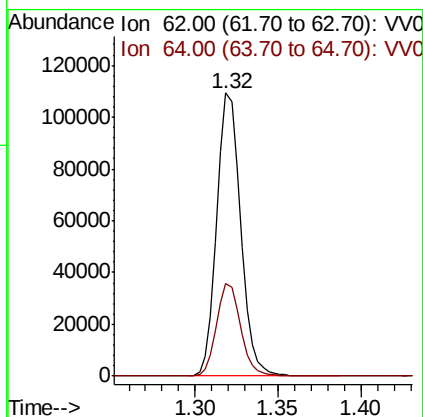
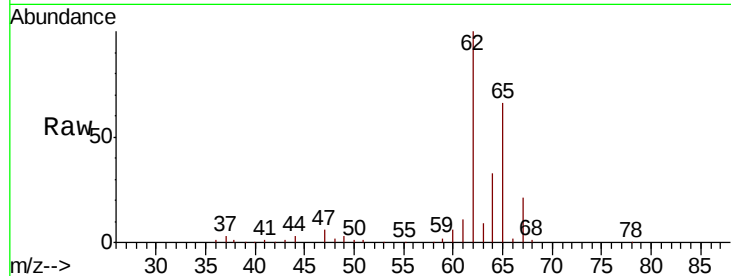




#5
 Vinyl chloride
 Concen: 45.790 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

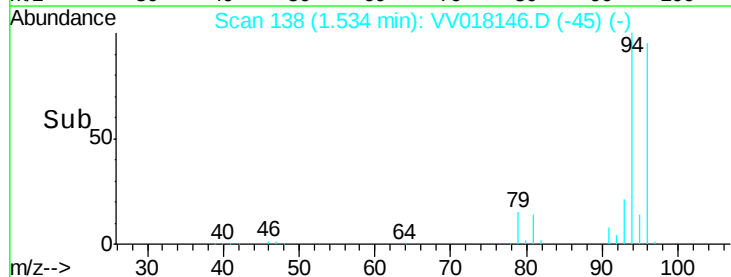
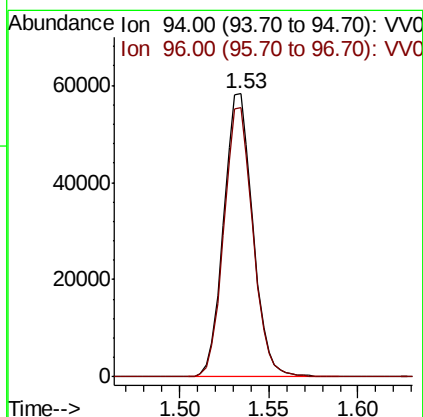
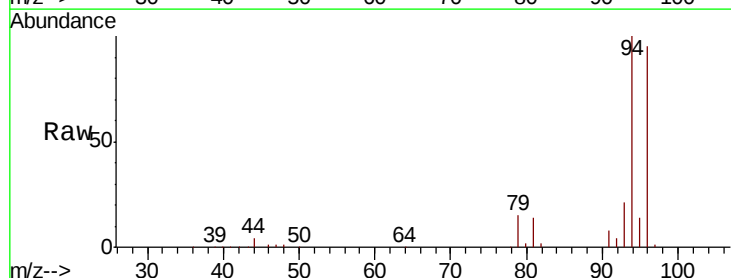
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

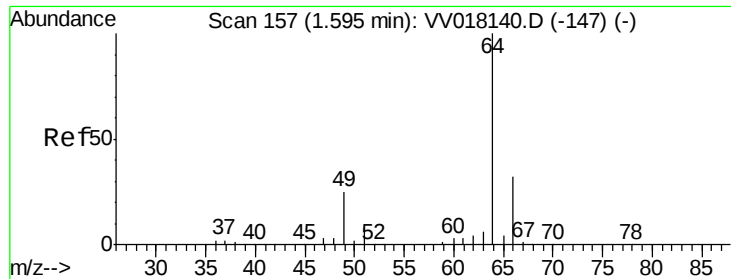
Tot Ion: 62 Resp: 109976
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.4 41.6



#6
 Bromomethane
 Concen: 46.126 ug/L
 RT: 1.53 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion: 94 Resp: 66211
 Ion Ratio Lower Upper
 94 100
 96 95.2 65.5 121.7

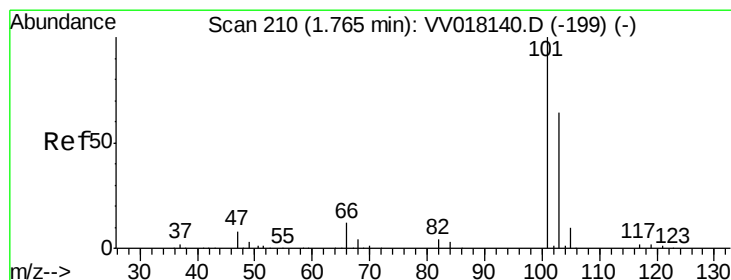
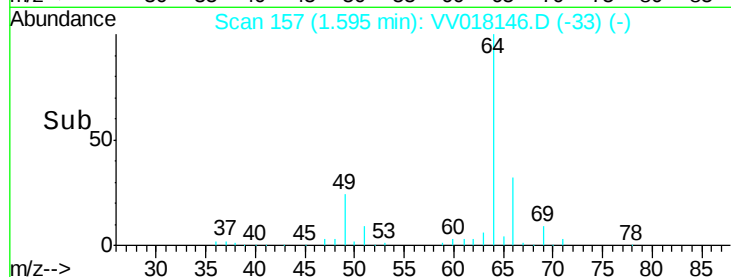
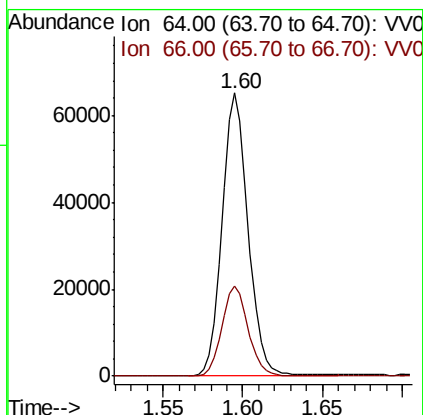
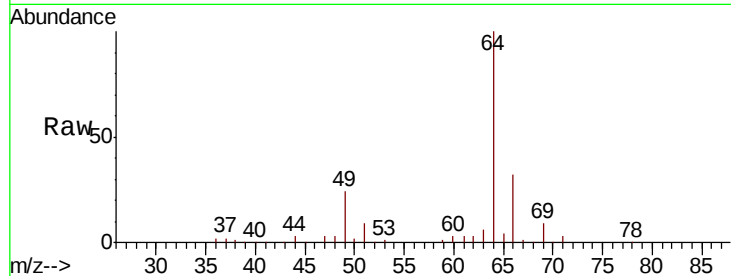




#8
Chloroethane
Concen: 46.928 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

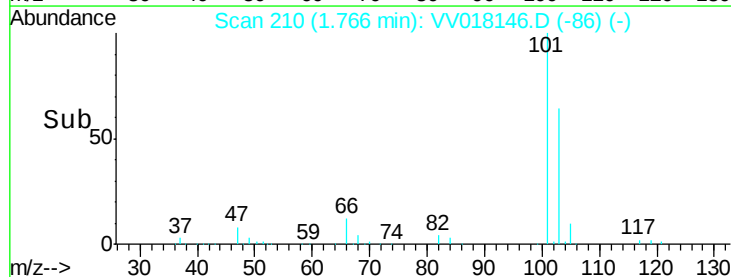
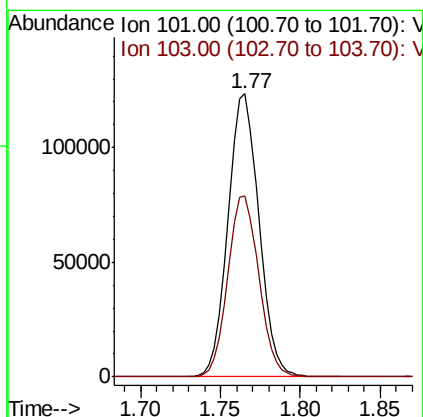
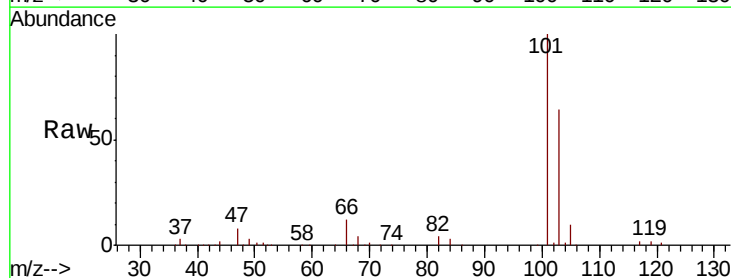
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

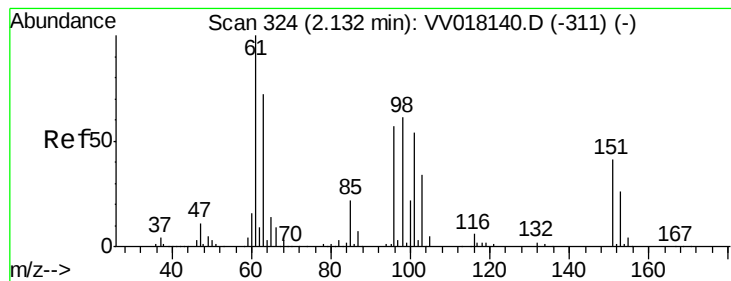
Tot Ion: 64 Resp: 71938
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 47.530 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion: 101 Resp: 163066
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.557 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

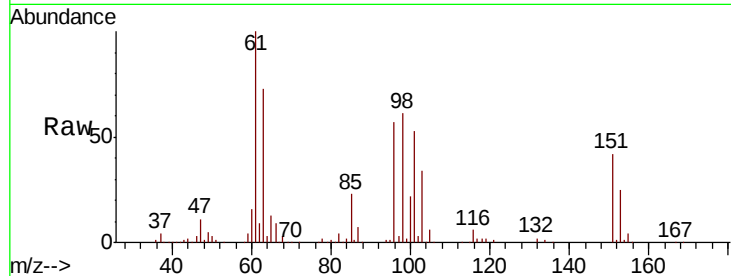
Tot Ion:101 Resp: 96847

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

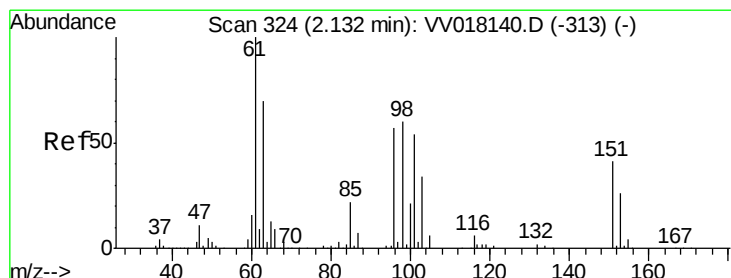
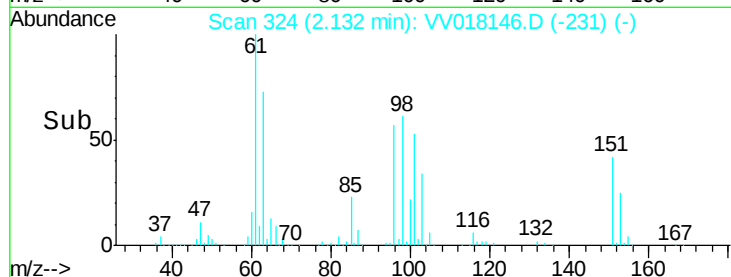
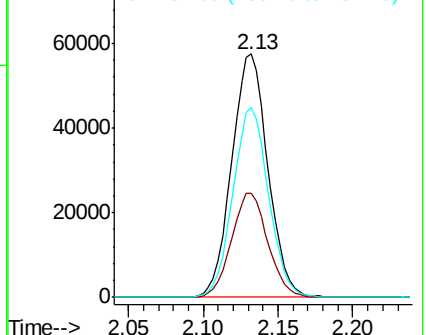
151 77.1 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.675 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

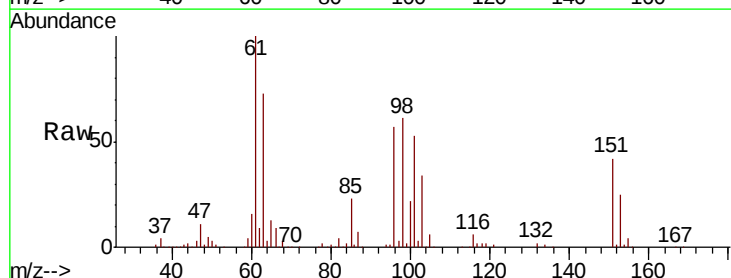
Tgt Ion: 96 Resp: 88254

Ion Ratio Lower Upper

96 100

61 176.9 127.1 236.0

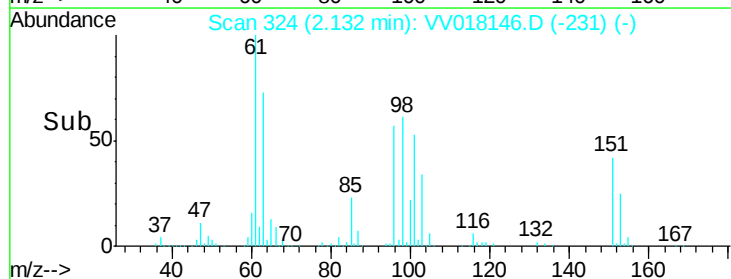
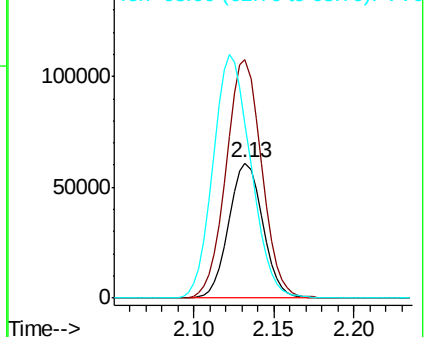
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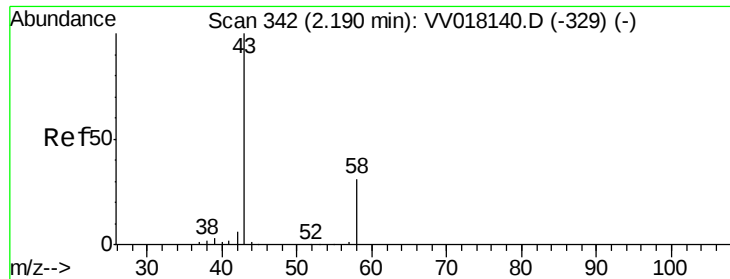


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 97.113 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

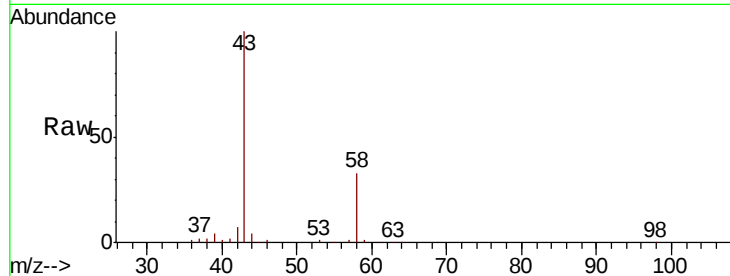
VSTD05092

Tot Ion: 43 Resp: 135487

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018146.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV018146.D (-249) (-)

2.19

60000

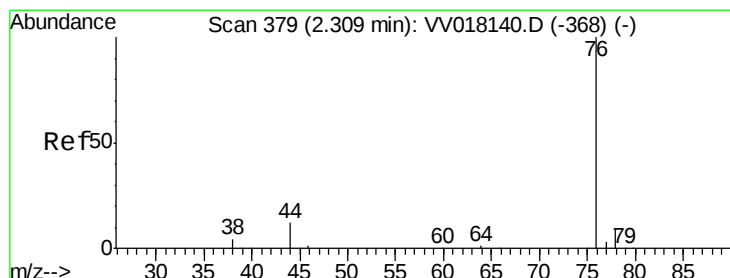
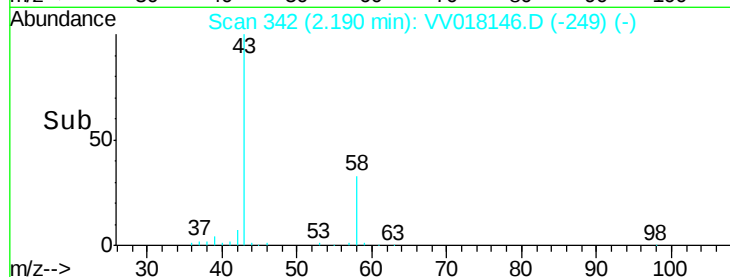
40000

20000

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Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 45.998 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018146.D

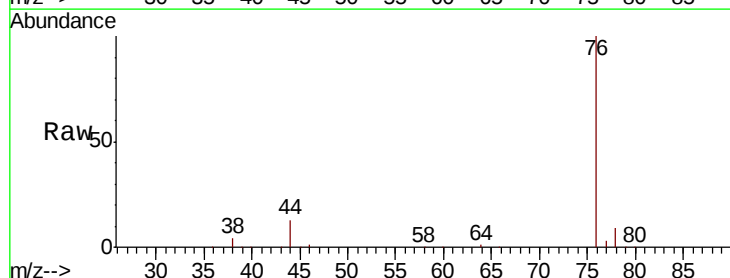
Acq: 01 Sep 2020 15:17

Tgt Ion: 76 Resp: 229541

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018146.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018146.D (-286) (-)

2.31

150000

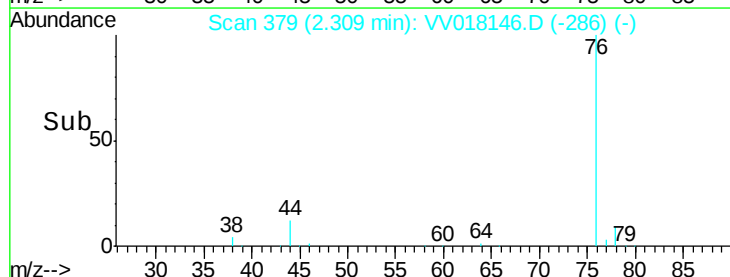
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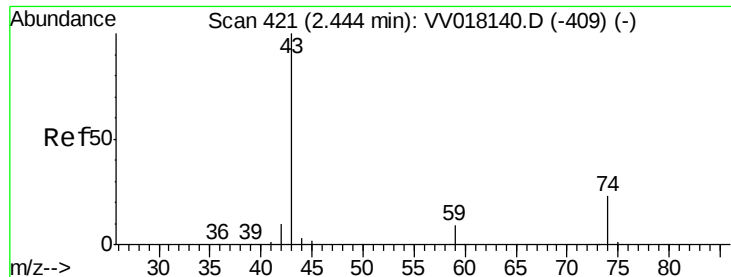
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Time-->

2.25 2.30 2.35 2.40

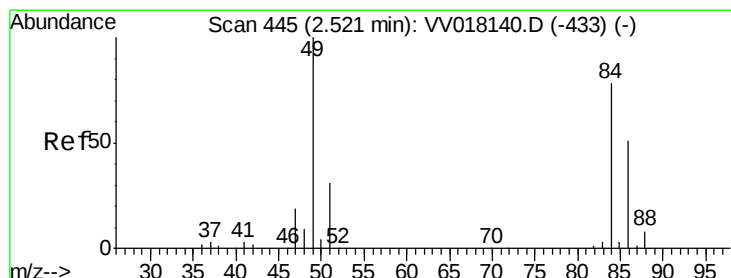
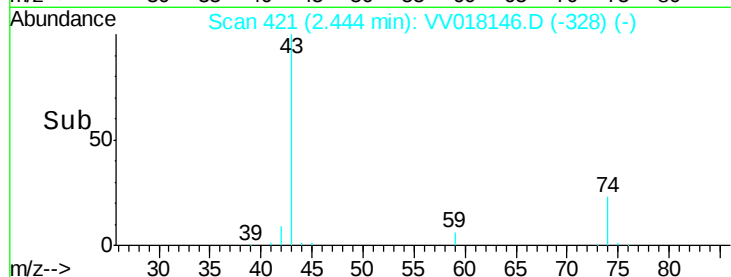
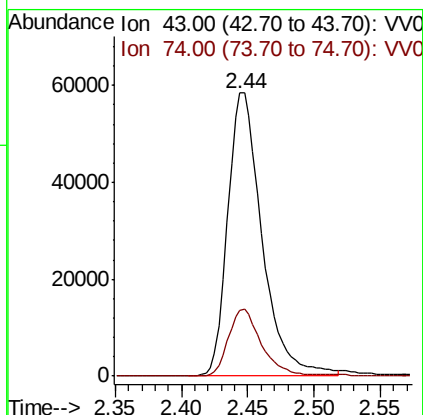
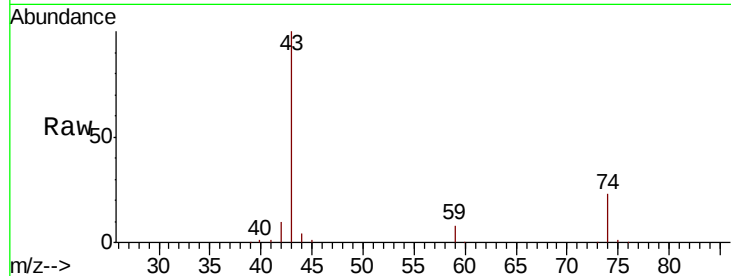




#15
Methvl Acetate
Concen: 46.515 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

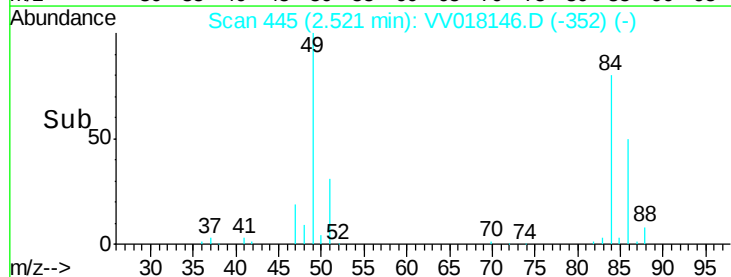
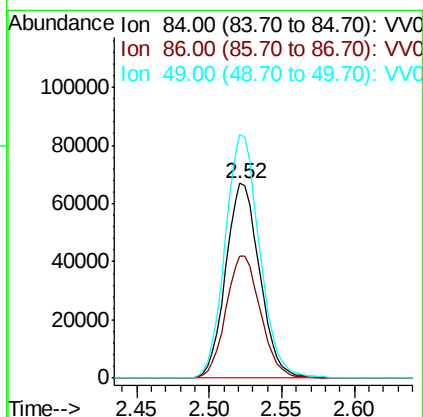
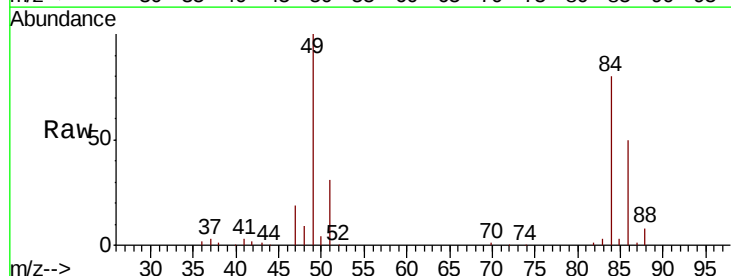
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

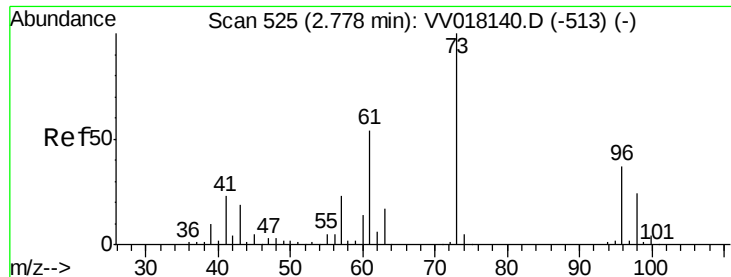
Tot Ion: 43 Resp: 104728
Ion Ratio Lower Upper
43 100
74 22.6 18.4 27.6



#16
Methylene chloride
Concen: 47.132 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion: 84 Resp: 108871
Ion Ratio Lower Upper
84 100
86 62.7 46.3 85.9
49 125.2 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 49.242 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

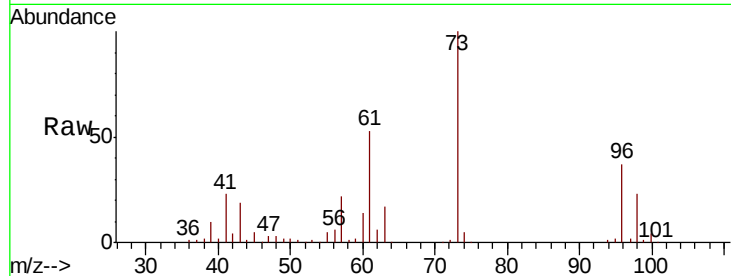
MSVOA_V

ClientSampleId :

VSTD05092

Tot Ion: 96 Resp: 91776

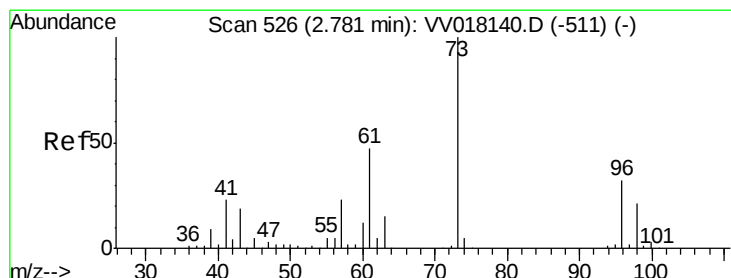
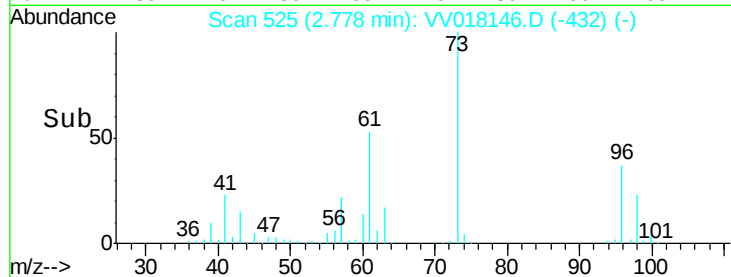
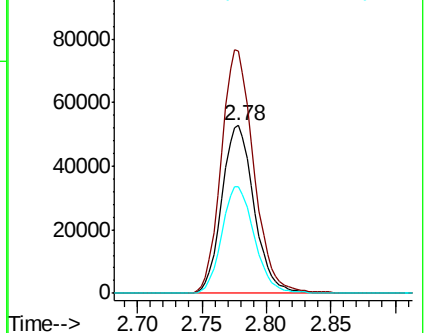
Ion	Ratio	Lower	Upper
96	100		
61	144.4	102.4	190.2
98	63.8	44.4	82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.531 ug/L

RT: 2.78 min Scan# 526

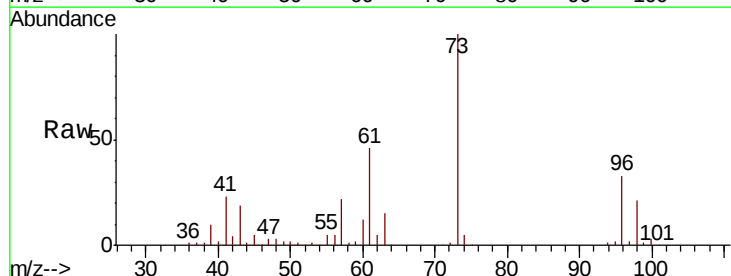
Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Tgt Ion: 73 Resp: 311465

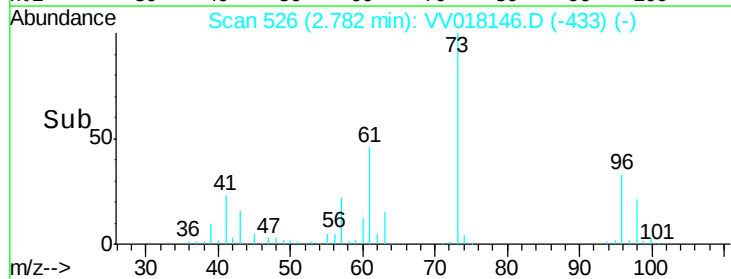
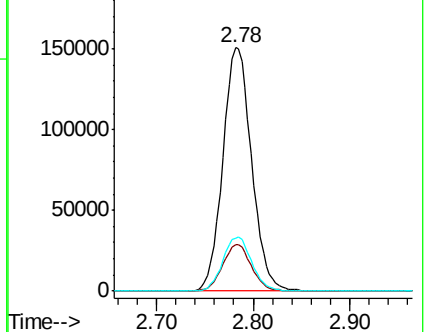
Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.9	23.9
57	22.3	18.1	27.1

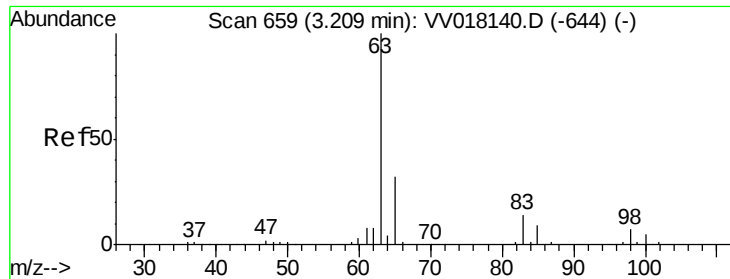


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

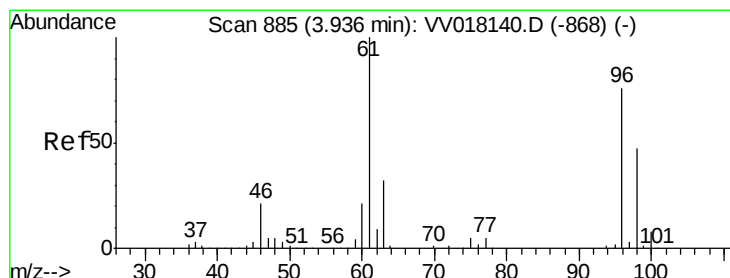
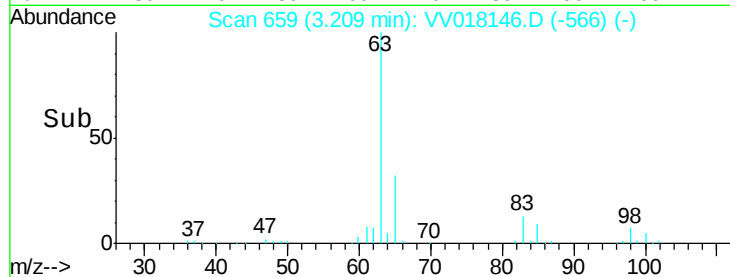
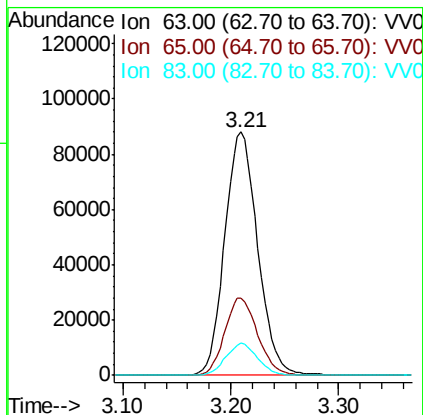
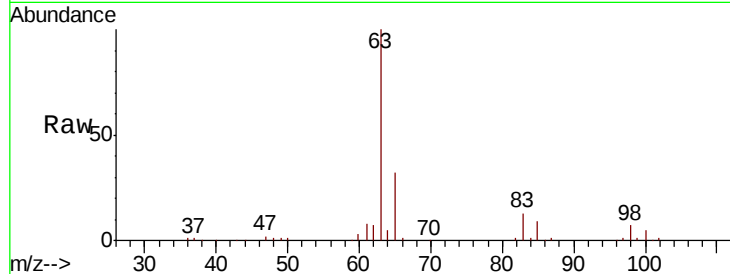




#19
 1,1-Dichloroethane
 Concen: 50.010 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

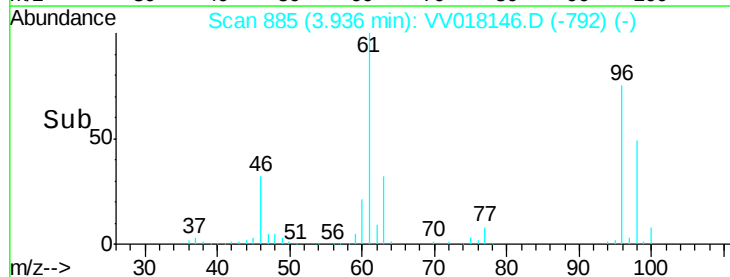
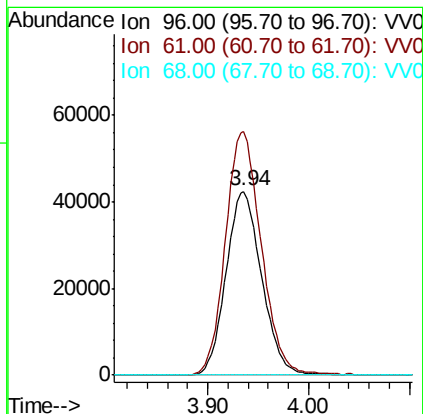
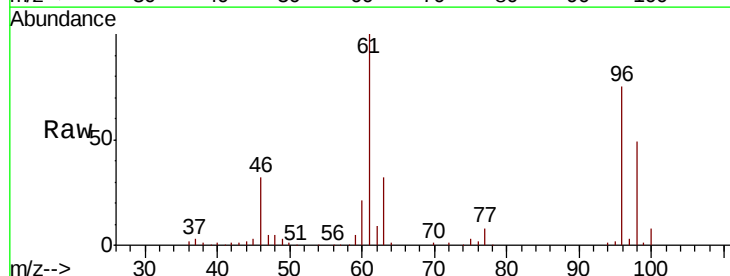
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

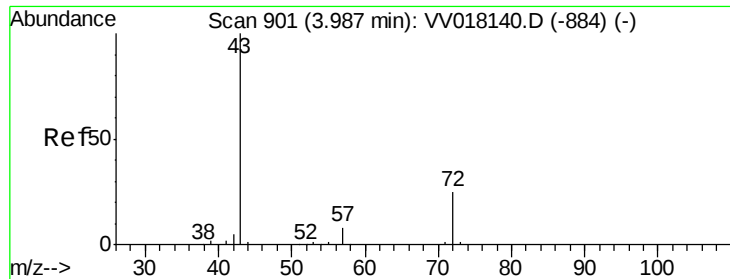
Tot Ion: 63 Resp: 187420
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 13.1 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.931 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion: 96 Resp: 104313
 Ion Ratio Lower Upper
 96 100
 61 132.6 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 104.019 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

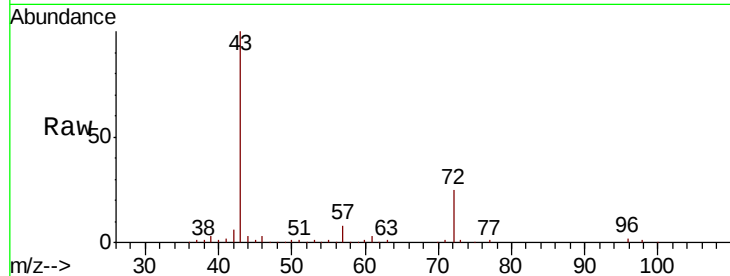
VSTD05092

Tot Ion: 43 Resp: 162804

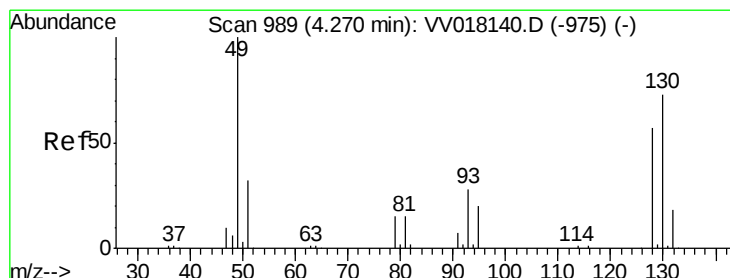
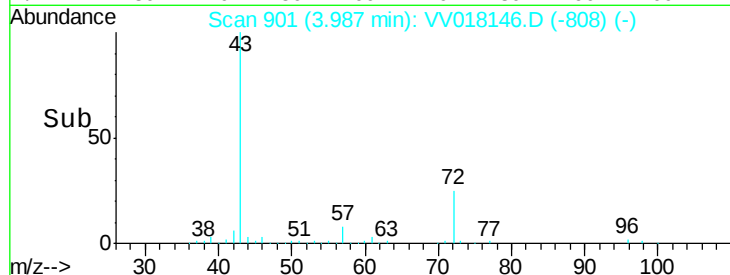
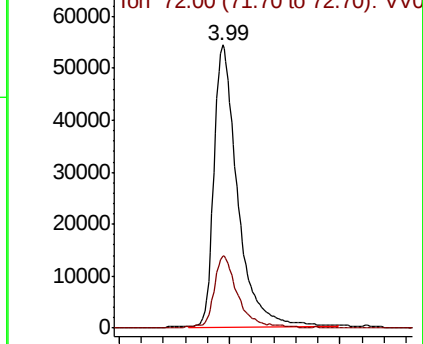
Ion Ratio Lower Upper

43 100

72 23.0 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018146.D (-896) (-)



#23

Bromochloromethane

Concen: 51.818 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Tgt Ion: 128 Resp: 55442

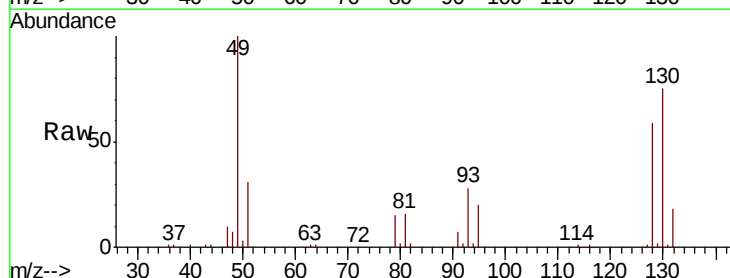
Ion Ratio Lower Upper

128 100

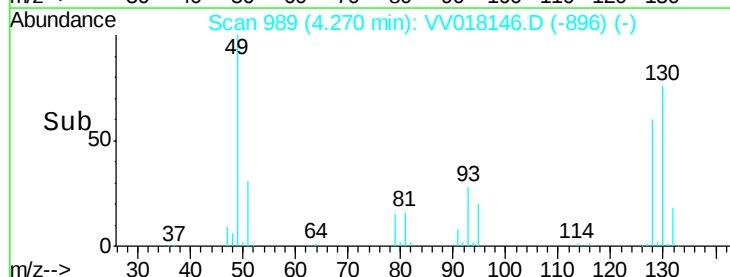
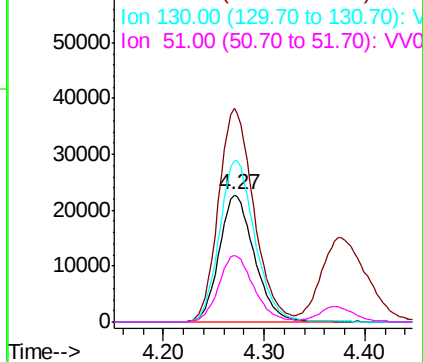
49 168.2 125.6 233.3

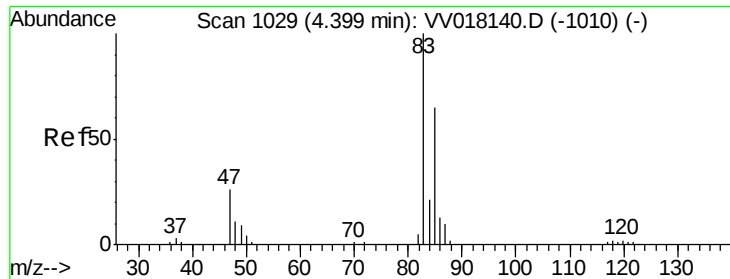
130 126.8 89.9 167.0

51 52.8 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018146.D (-896) (-)

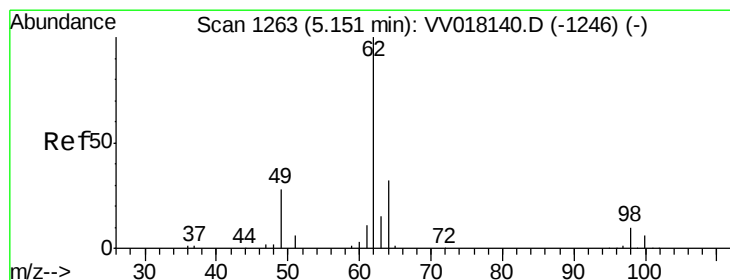
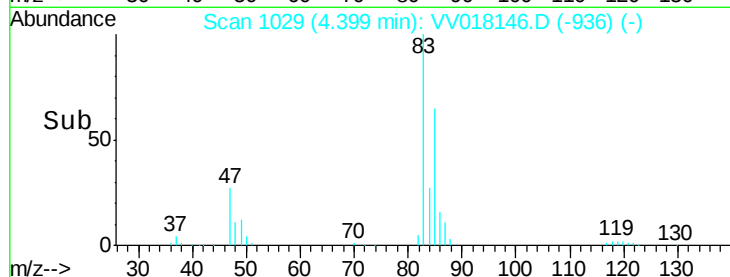
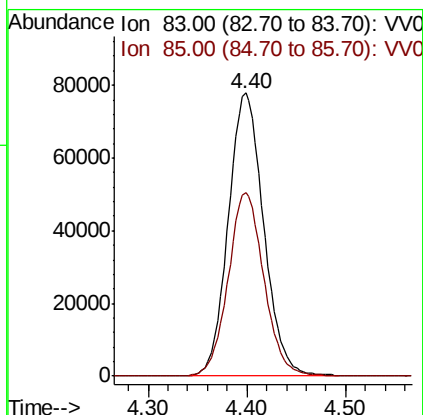
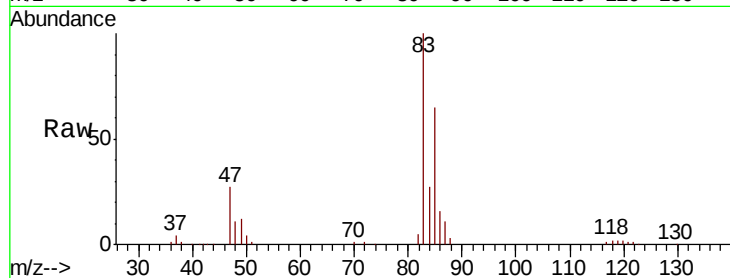




#25
Chloroform
Concen: 50.953 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

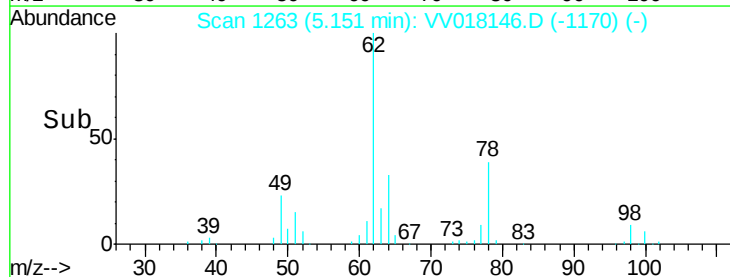
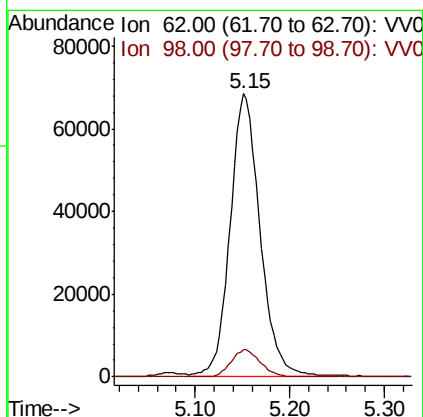
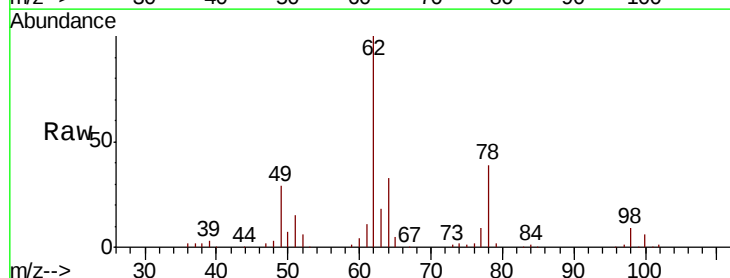
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

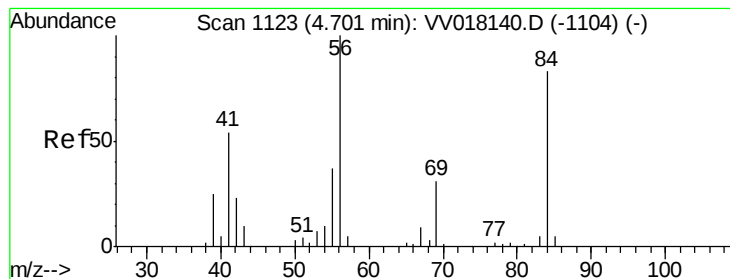
Tot Ion: 83 Resp: 194766
Ion Ratio Lower Upper
83 100
85 64.8 45.5 84.5



#27
1,2-Dichloroethane
Concen: 49.403 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion: 62 Resp: 150309
Ion Ratio Lower Upper
62 100
98 9.5 7.1 10.7





#29

Cyclohexane

Concen: 47.317 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

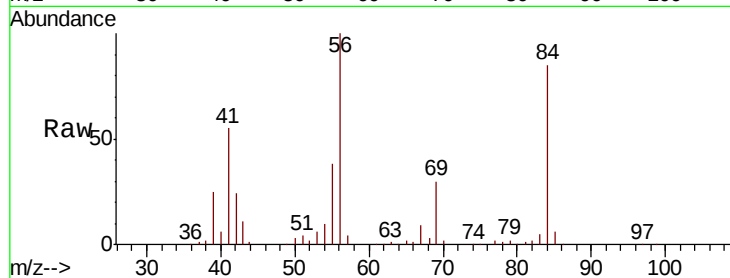
Tot Ion: 56 Resp: 151271

Ion Ratio Lower Upper

56 100

69 30.3 23.8 35.8

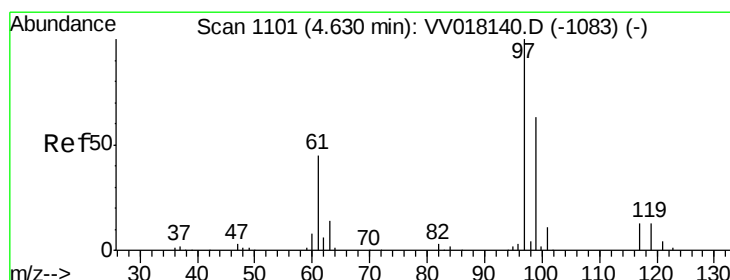
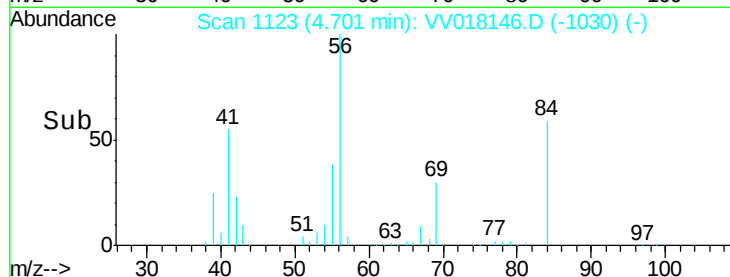
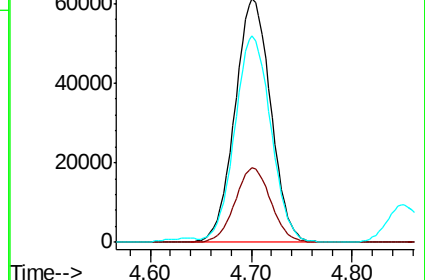
84 85.4 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018140.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018140.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018140.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 50.139 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

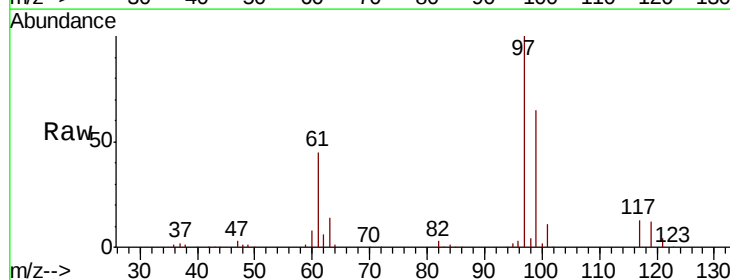
Tgt Ion: 97 Resp: 162752

Ion Ratio Lower Upper

97 100

99 64.5 50.6 76.0

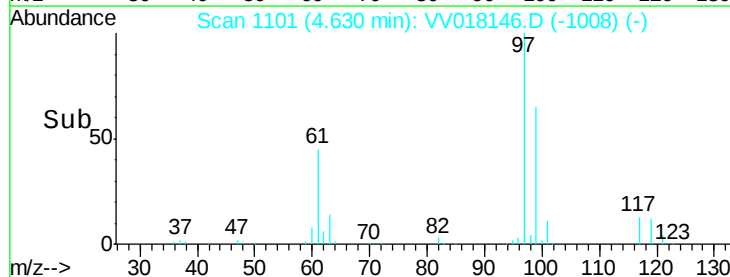
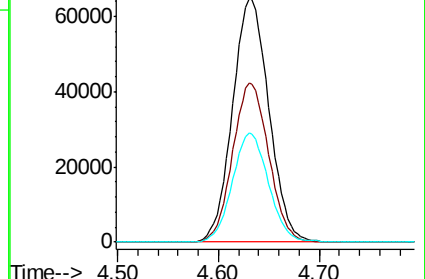
61 44.3 37.0 55.6

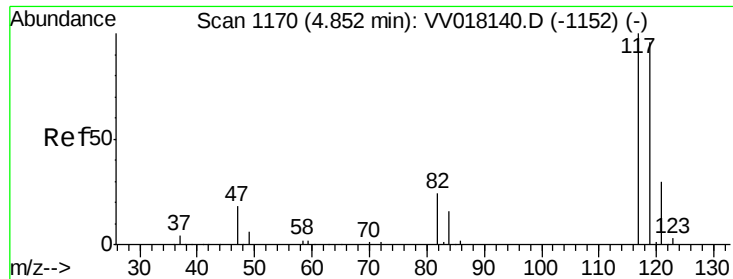


Abundance Ion 97.00 (96.70 to 97.70): VV018140.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV018140.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV018140.D (-1083) (-)

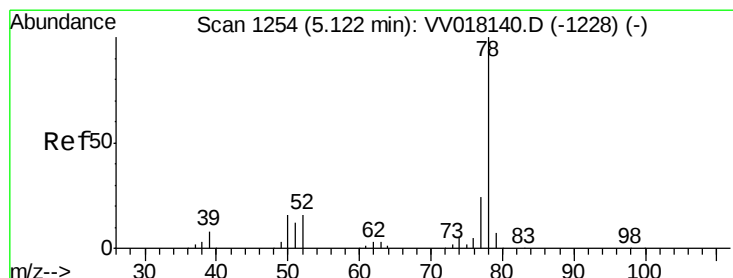
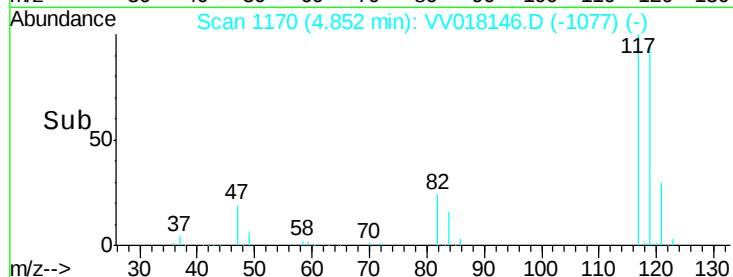
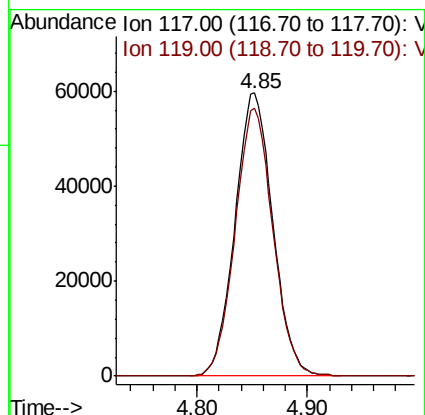
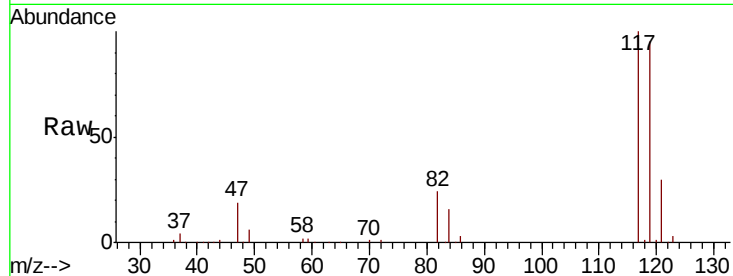




#31
Carbon tetrachloride
Concen: 52.307 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

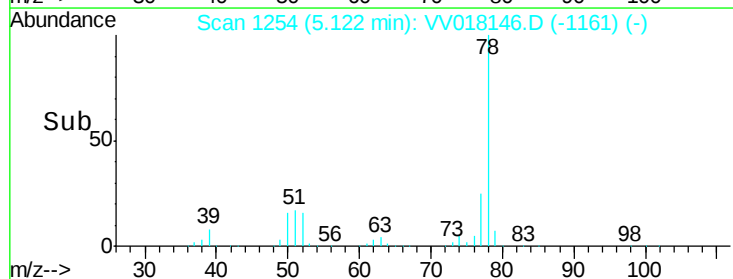
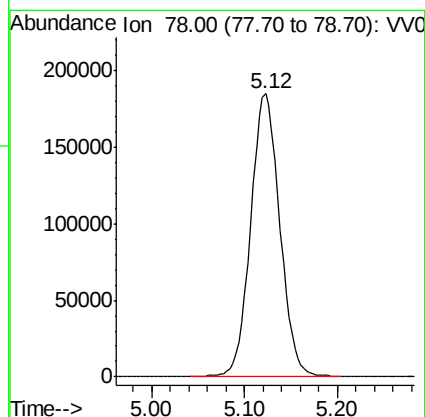
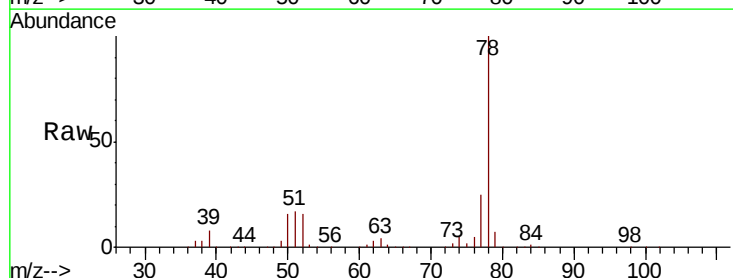
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

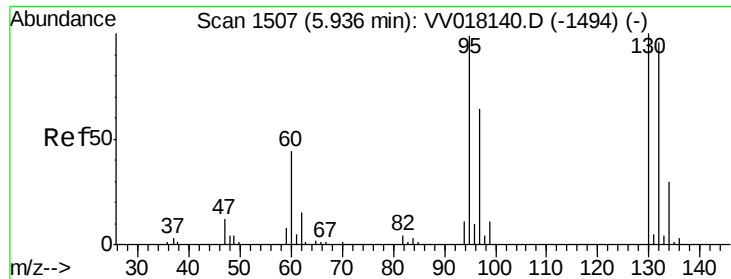
Tot Ion:117 Resp: 141346
Ion Ratio Lower Upper
117 100
119 94.6 77.0 115.6



#33
Benzene
Concen: 49.288 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion: 78 Resp: 403917

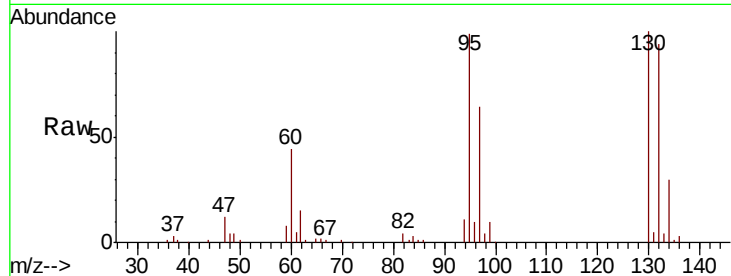




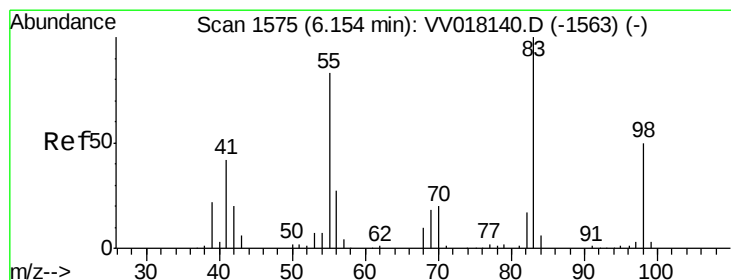
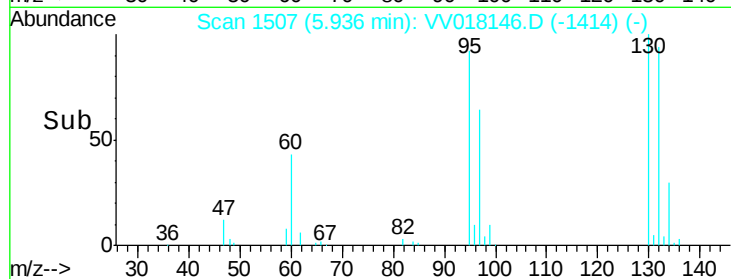
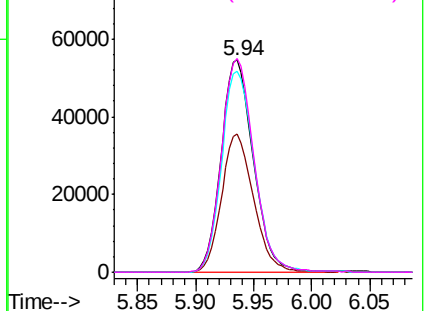
#34
 Trichloroethene
 Concen: 48.964 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05092

Tot Ion: 95 Resp: 106067
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.0 85.4
 132 94.8 65.8 122.2
 130 100.6 69.2 128.6

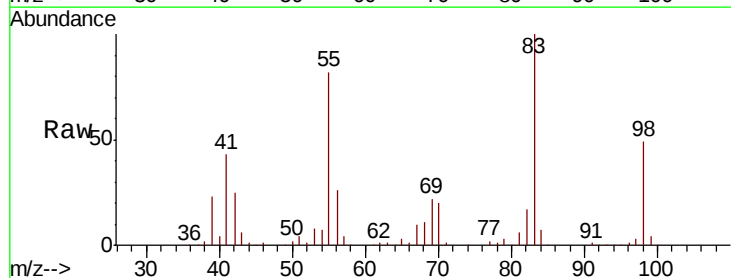


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

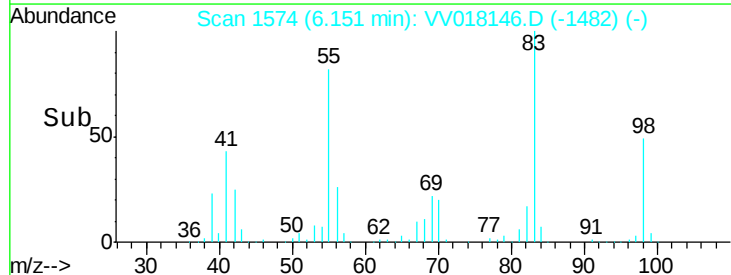
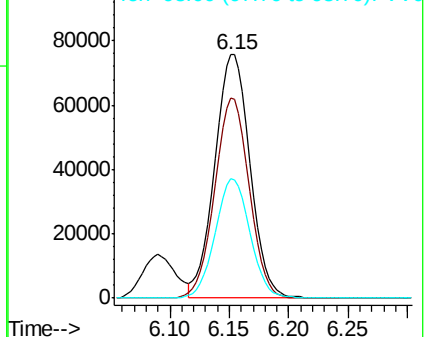


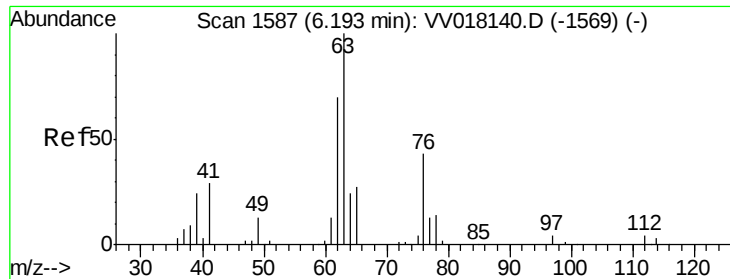
#35
 Methylcyclohexane
 Concen: 48.373 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion: 83 Resp: 155813
 Ion Ratio Lower Upper
 83 100
 55 80.1 64.9 97.3
 98 48.2 38.7 58.1



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

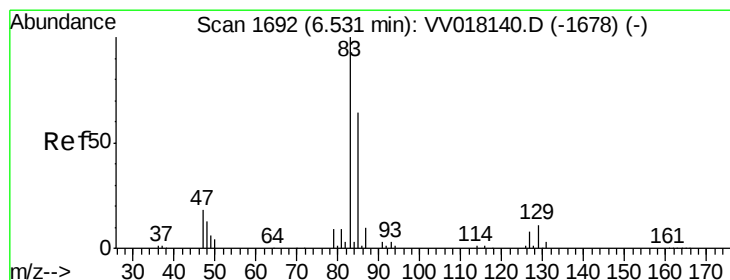
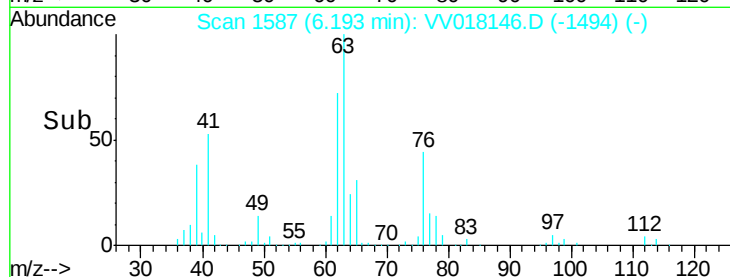
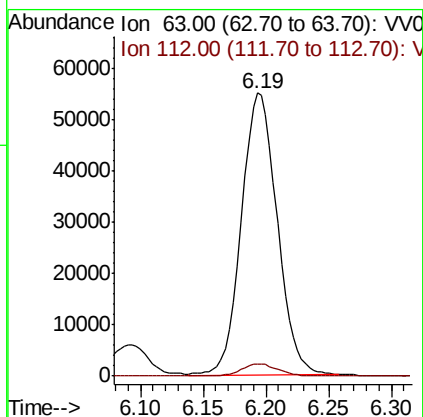
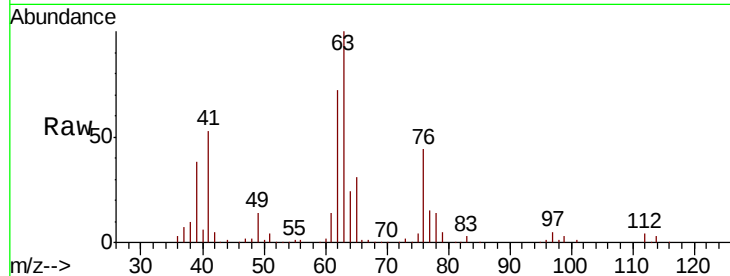




#37
 1,2-Dichloropropane
 Concen: 48.883 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

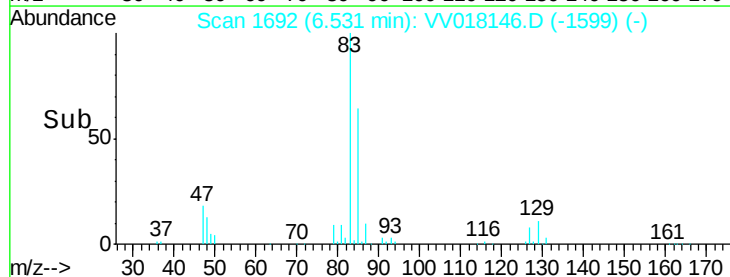
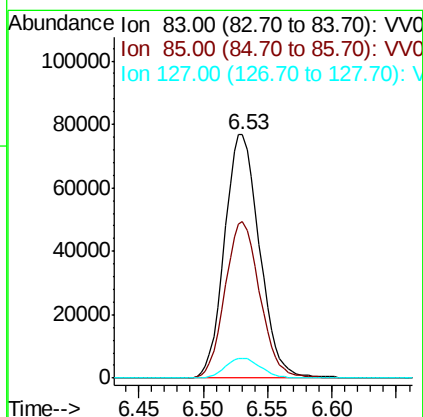
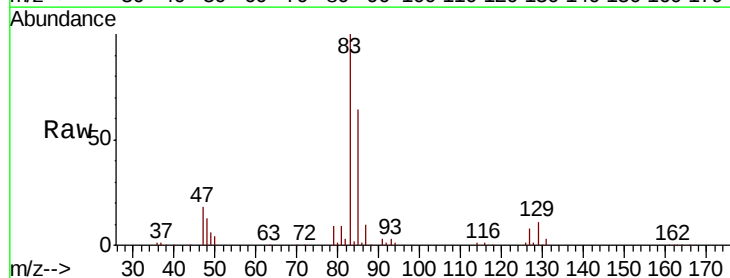
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

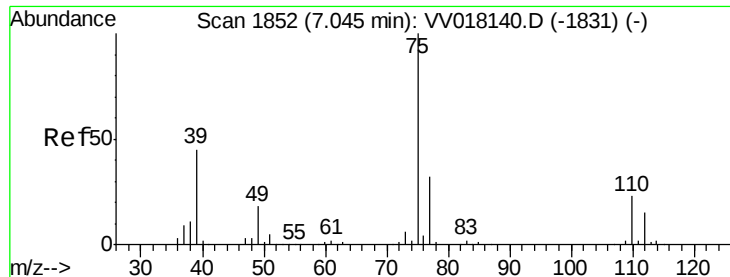
Tot Ion: 63 Resp: 109248
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 52.187 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion: 83 Resp: 144872
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.3 82.3
 127 8.2 6.5 9.7

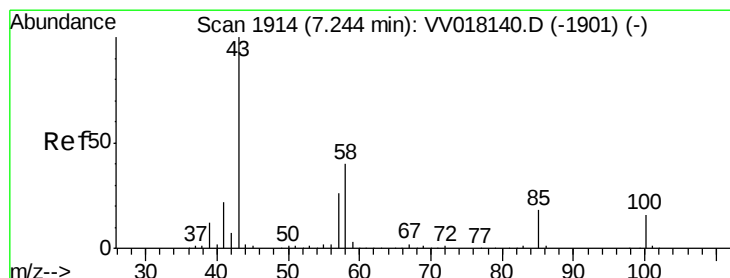
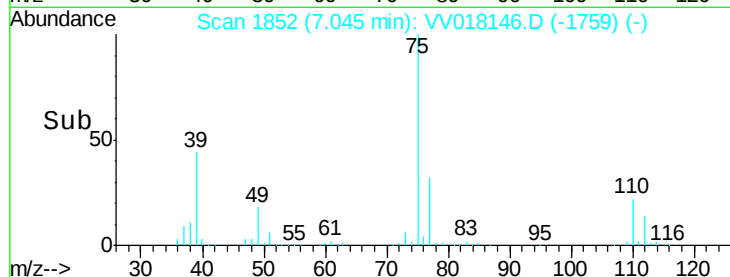
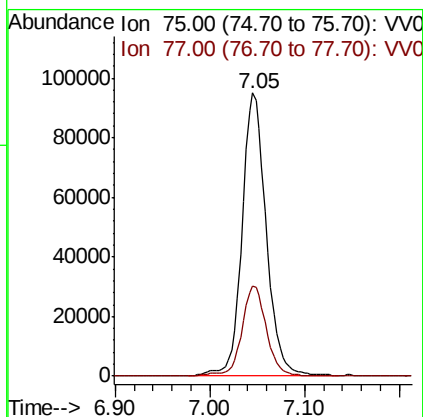
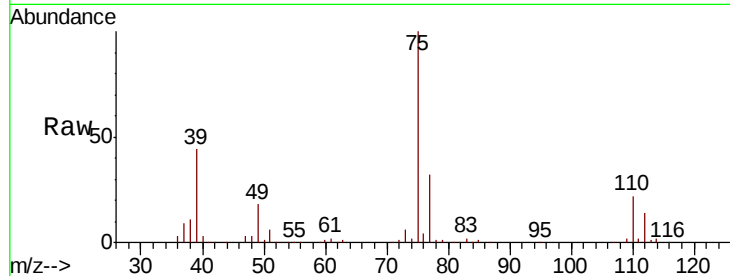




#39
 cis-1,3-Dichloropropene
 Concen: 53.430 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

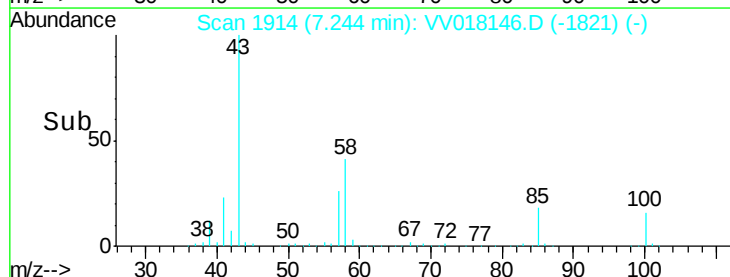
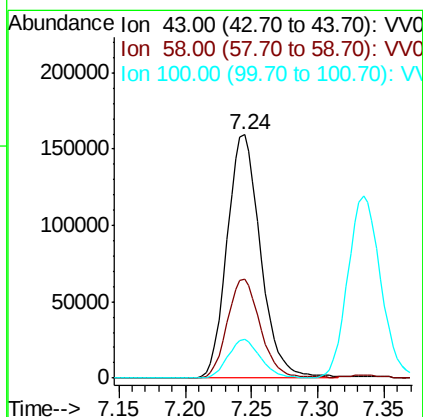
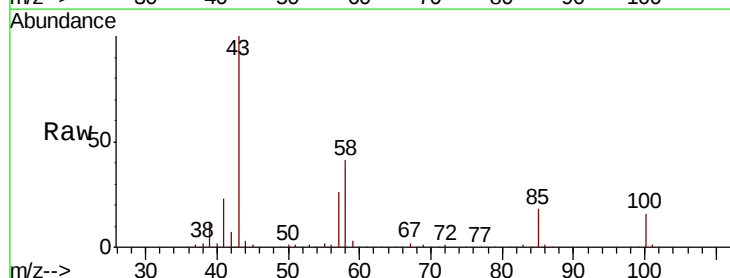
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05092

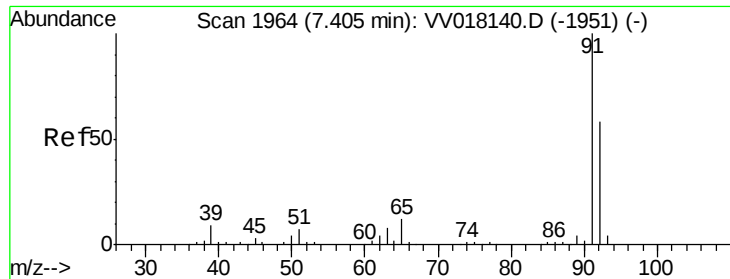
Tot Ion: 75 Resp: 169280
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 95.847 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion: 43 Resp: 280024
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.9 47.9
 100 15.6 12.2 18.2





#42

Toluene

Concen: 50.603 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

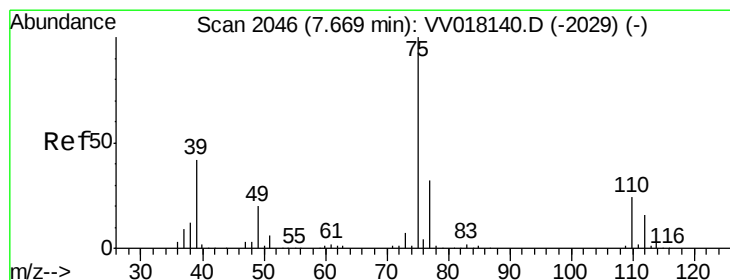
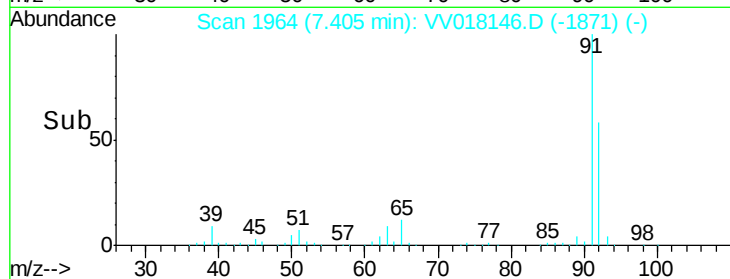
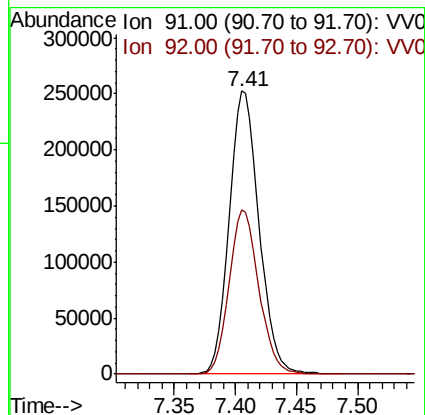
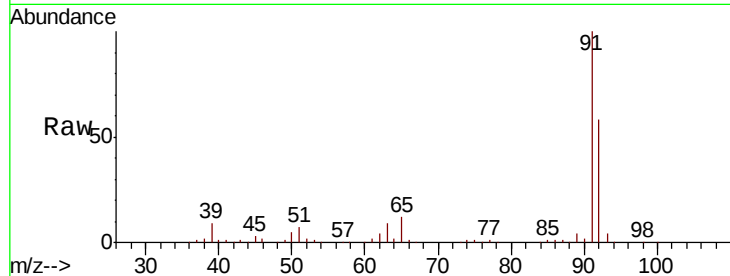
VSTD05092

Tot Ion: 91 Resp: 432731

Ion Ratio Lower Upper

91 100

92 58.1 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 55.764 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018146.D

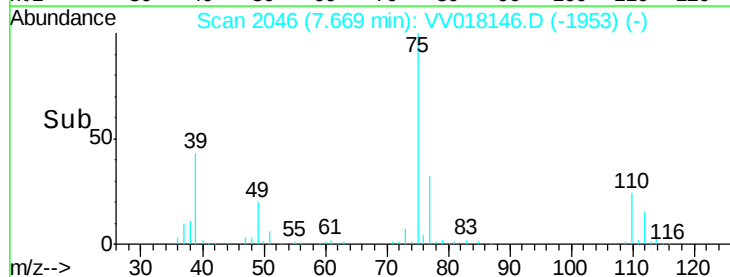
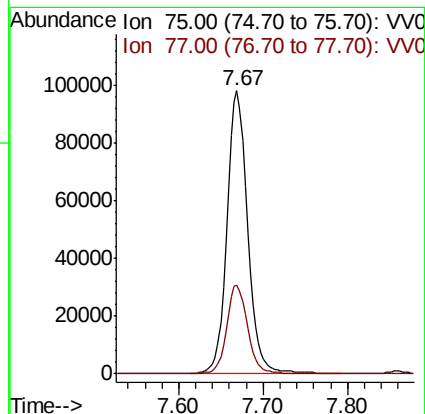
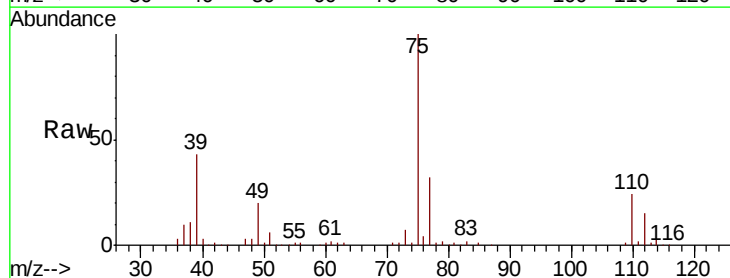
Acq: 01 Sep 2020 15:17

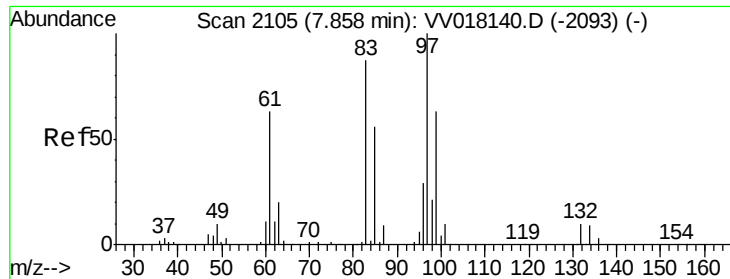
Tgt Ion: 75 Resp: 167629

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5

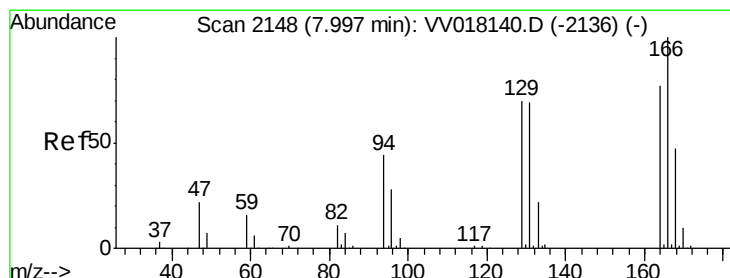
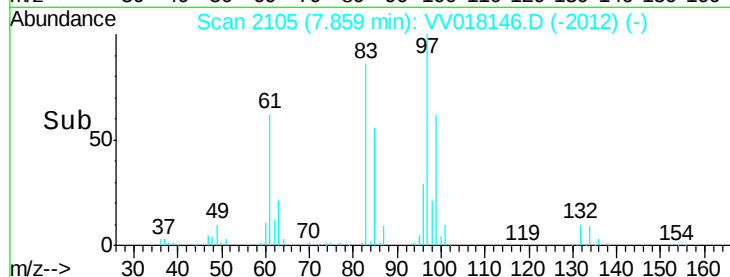
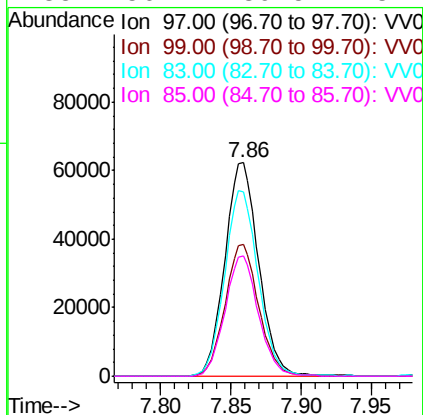
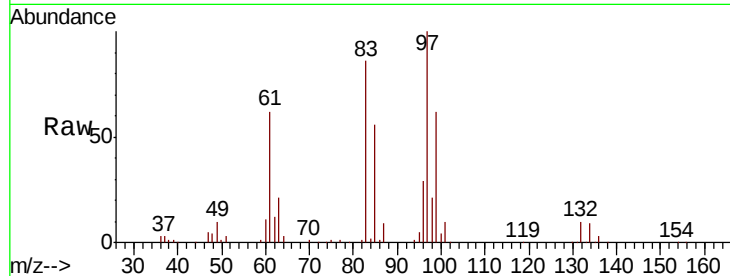




#45
 1,1,2-Trichloroethane
 Concen: 50.411 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

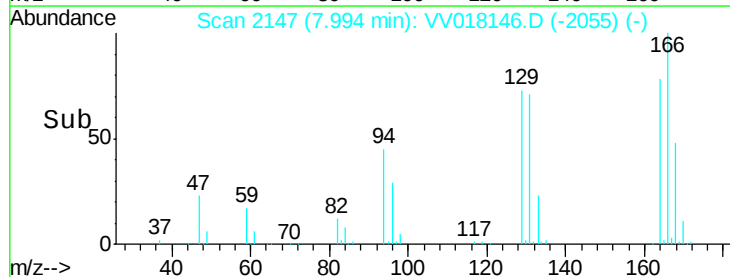
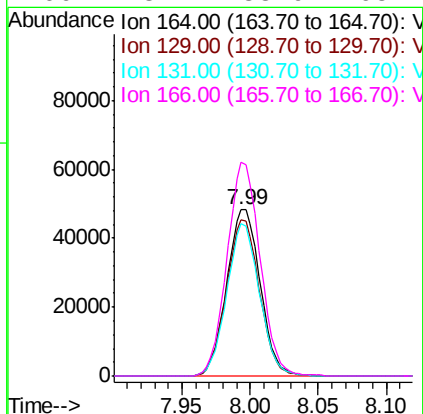
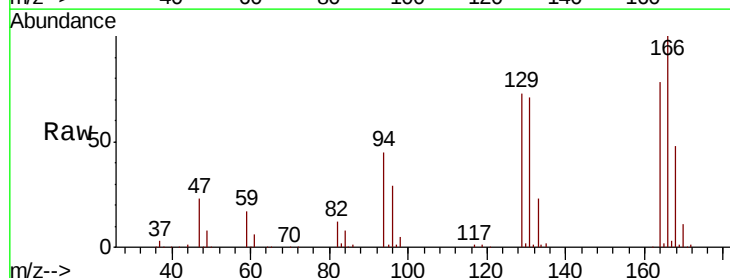
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

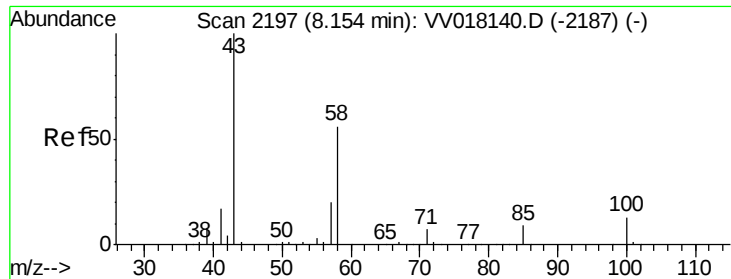
Tot Ion:	97	Resp:	104336
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.2	82.2
83	86.2	61.0	113.4
85	56.1	39.5	73.4



#46
 Tetrachloroethene
 Concen: 51.921 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Tgt Ion:	164	Resp:	82486
Ion	Ratio	Lower	Upper
164	100		
129	94.0	64.8	120.3
131	91.4	64.5	119.9
166	128.4	88.9	165.1

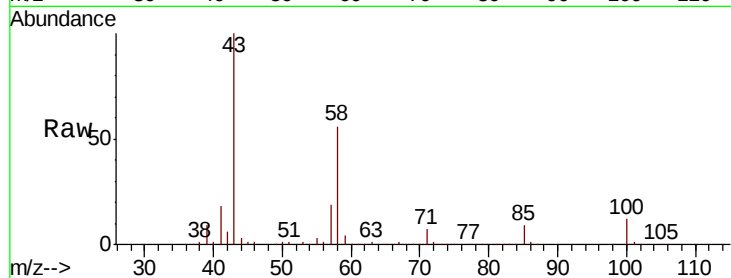




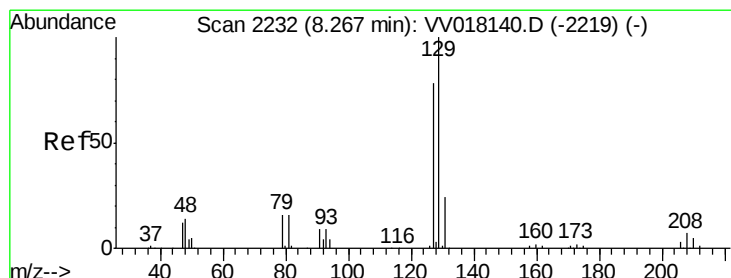
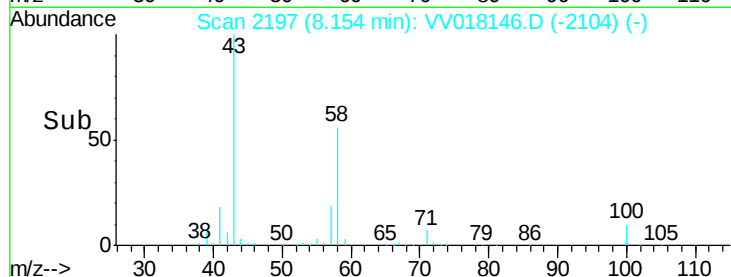
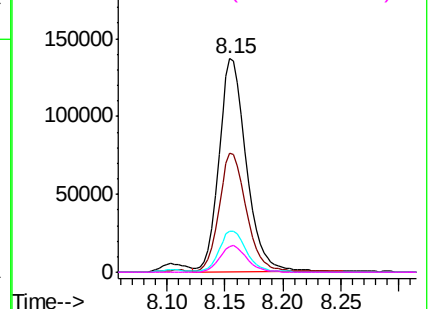
#48
2-Hexanone
Concen: 95.666 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion: 43 Resp: 225382
Ion Ratio Lower Upper
43 100
58 55.9 44.4 66.6
57 19.2 15.2 22.8
100 12.5 9.8 14.6

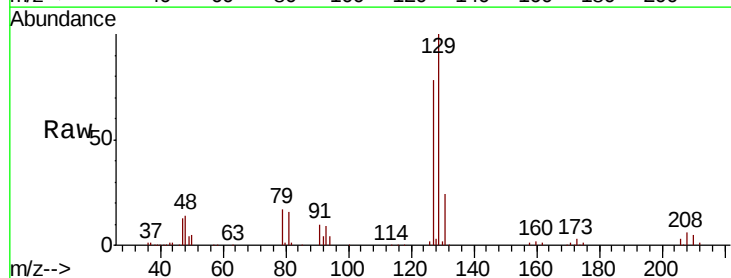


Abundance Ion 43.00 (42.70 to 43.70): VV018146.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018146.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018146.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018146.D (-2197) (-)

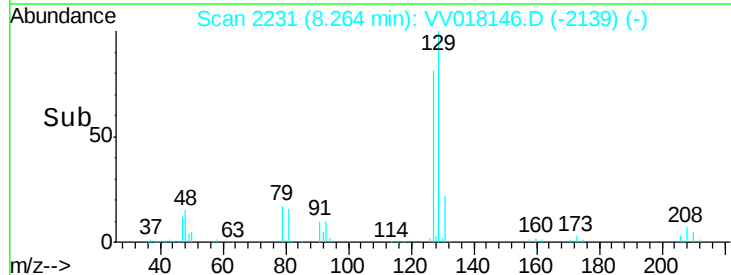
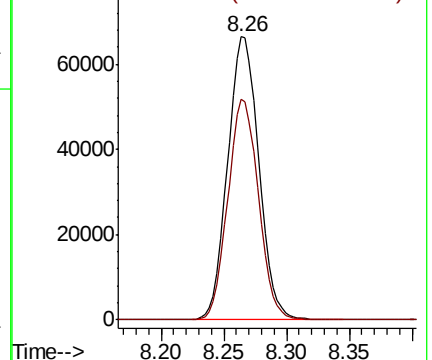


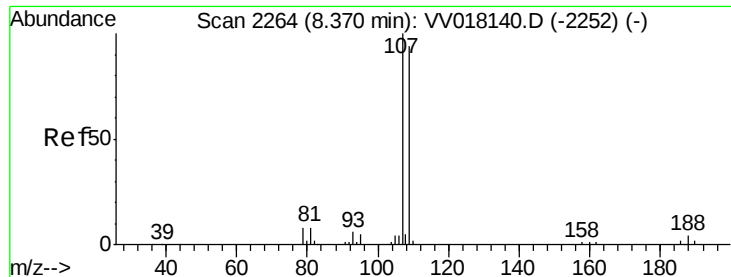
#49
Dibromochloromethane
Concen: 56.790 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion: 129 Resp: 114726
Ion Ratio Lower Upper
129 100
127 78.1 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VV018146.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VV018146.D (-2232) (-)

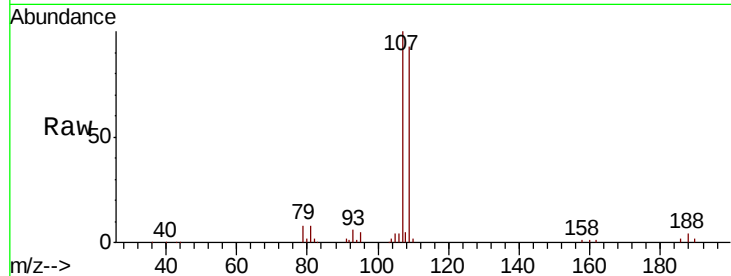




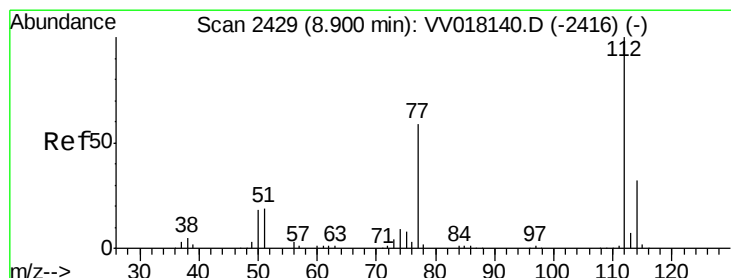
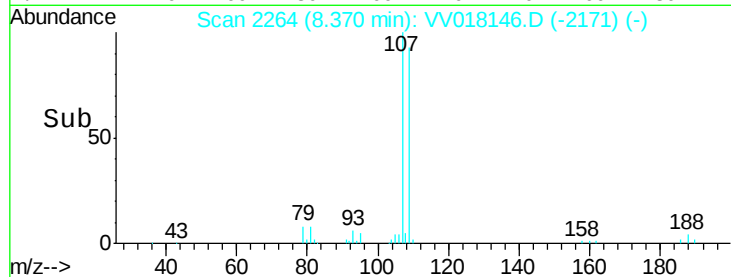
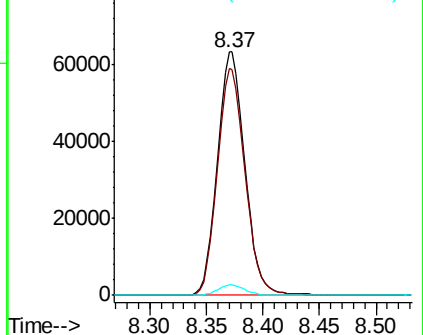
#50
1,2-Dibromoethane
Concen: 49.986 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	67.5	125.4
188	4.3	3.4	5.0

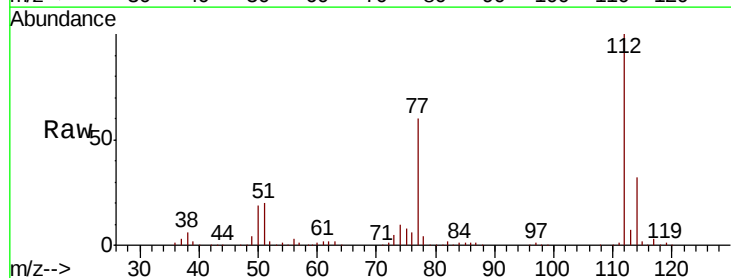


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

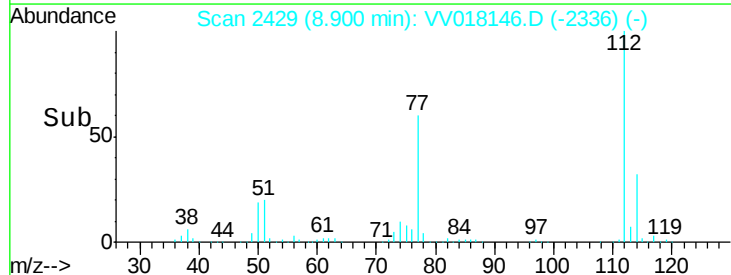
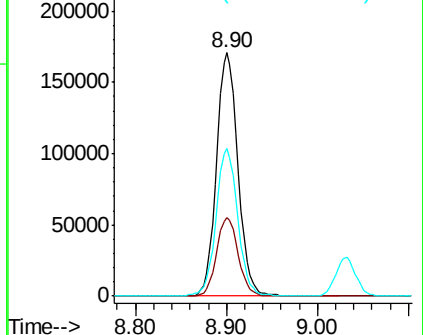


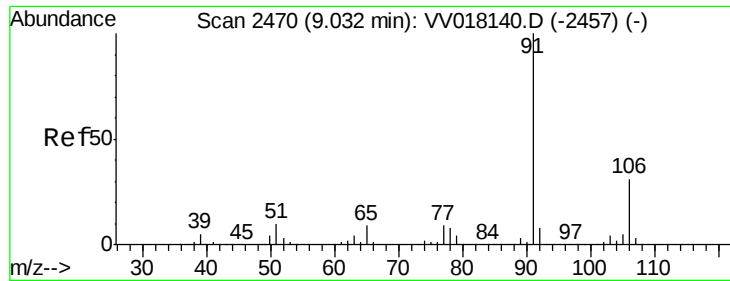
#51
Chlorobenzene
Concen: 50.863 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.3
77	60.5	49.4	74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.431 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

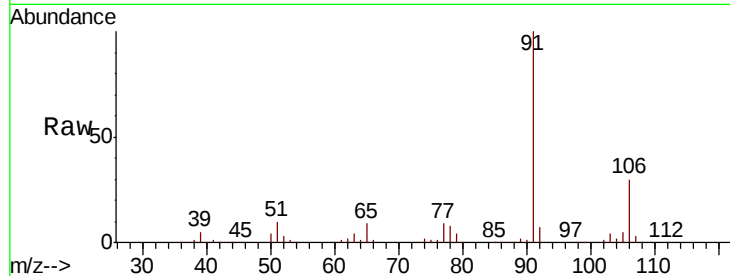
VSTD05092

Tot Ion: 91 Resp: 479544

Ion Ratio Lower Upper

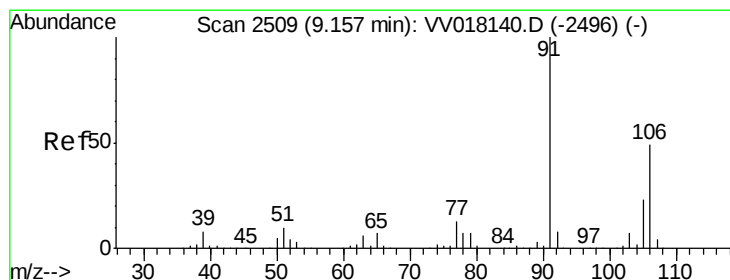
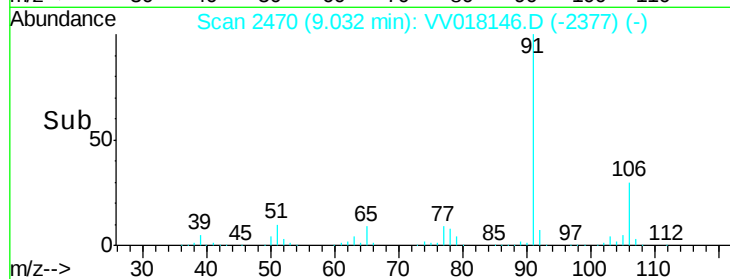
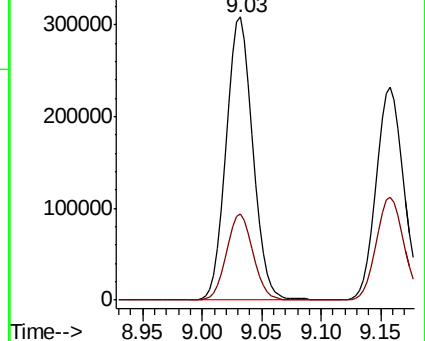
91 100

106 30.5 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018146.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018146.D (-2377) (-)



#53

m,p-Xylene

Concen: 52.857 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018146.D

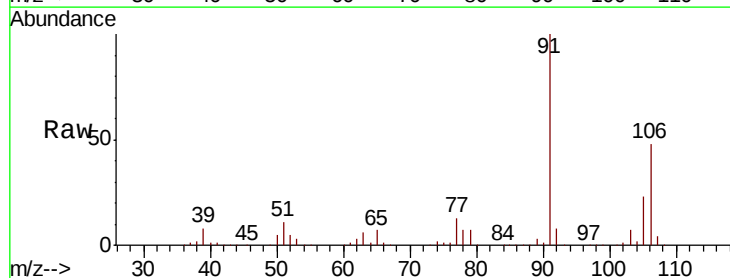
Acq: 01 Sep 2020 15:17

Tgt Ion: 106 Resp: 181267

Ion Ratio Lower Upper

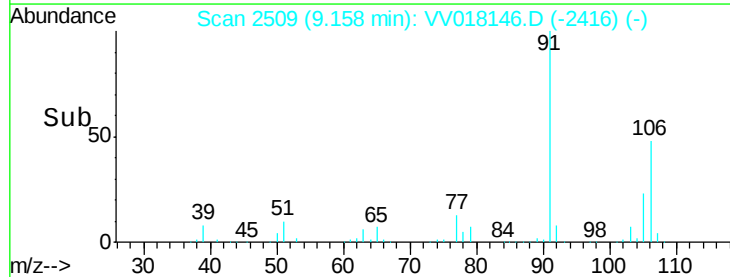
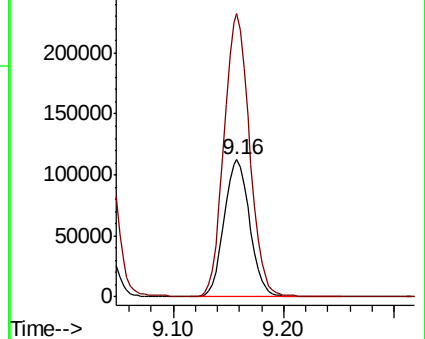
106 100

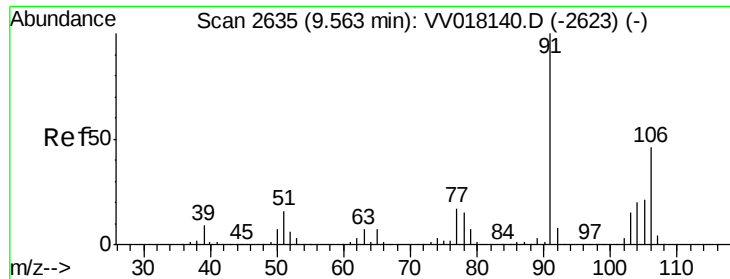
91 206.5 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018146.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018146.D (-2416) (-)

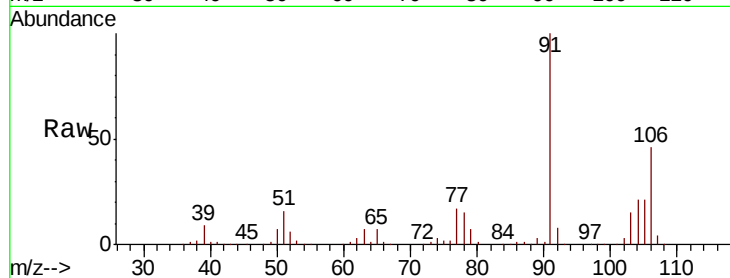




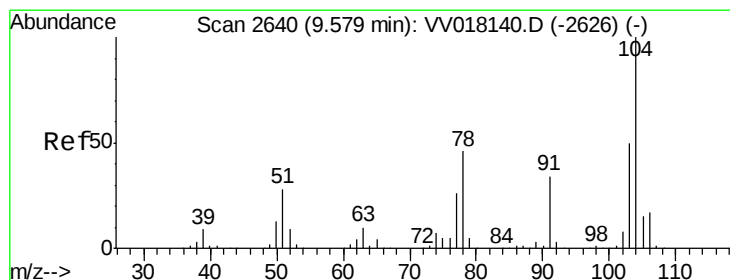
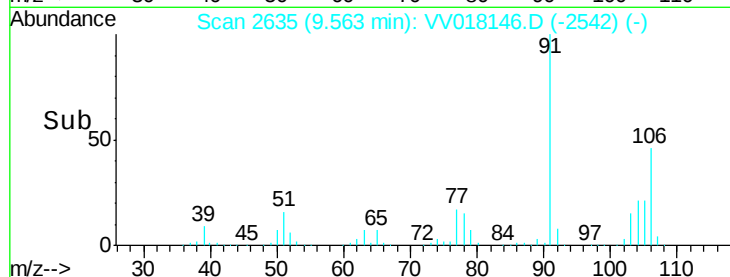
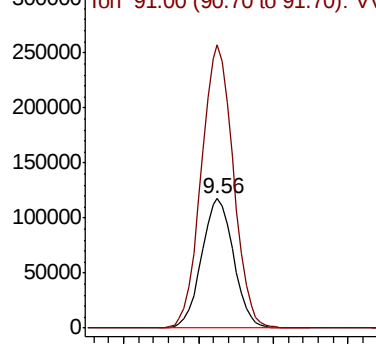
#54
o-xylene
Concen: 51.491 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion:106 Resp: 174502
Ion Ratio Lower Upper
106 100
91 218.9 156.0 289.8

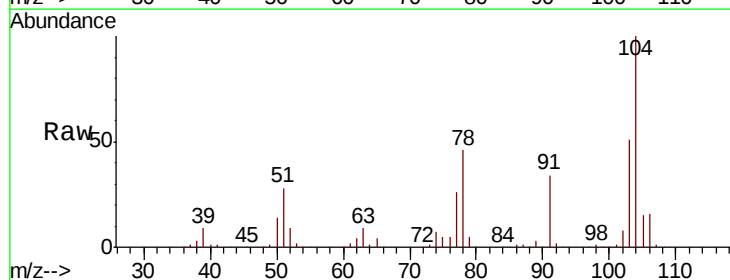


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

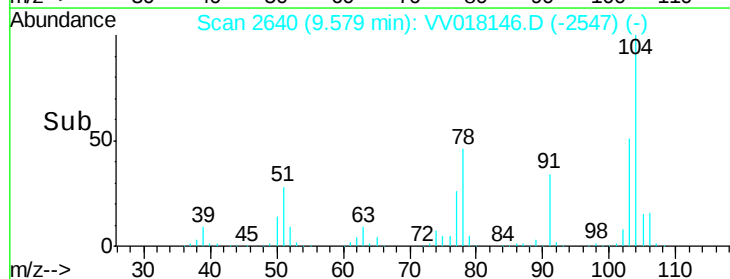
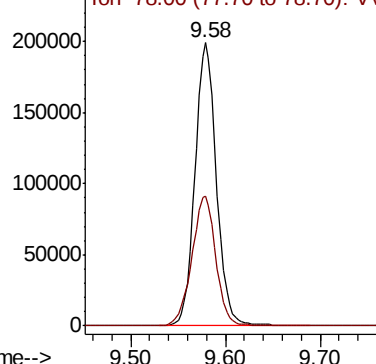


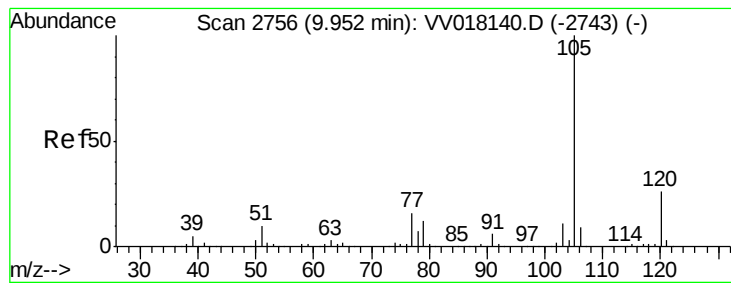
#55
Styrene
Concen: 53.892 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018146.D
Acq: 01 Sep 2020 15:17

Tgt Ion:104 Resp: 312770
Ion Ratio Lower Upper
104 100
78 46.0 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.993 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

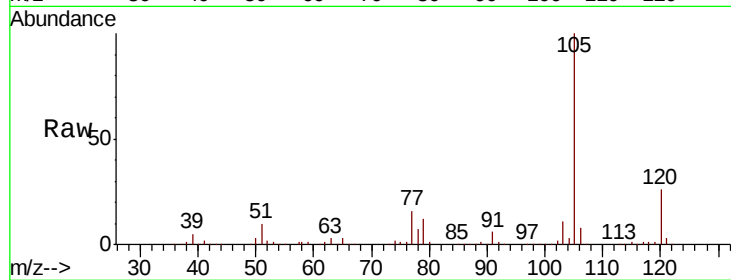
Tot Ion:105 Resp: 473784

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

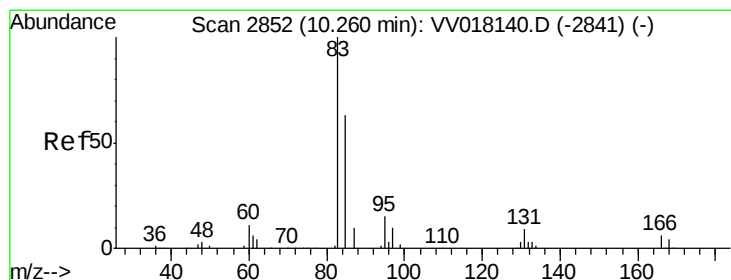
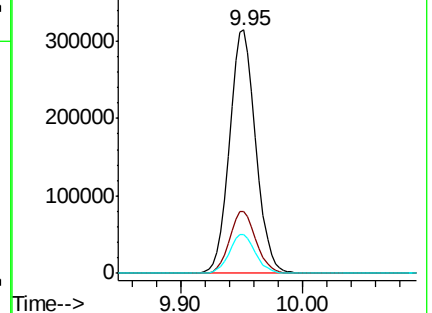
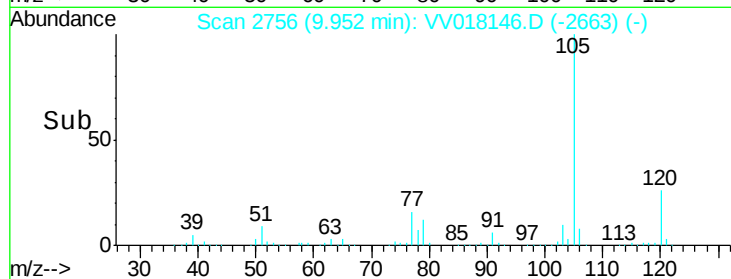
77 15.8 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.034 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

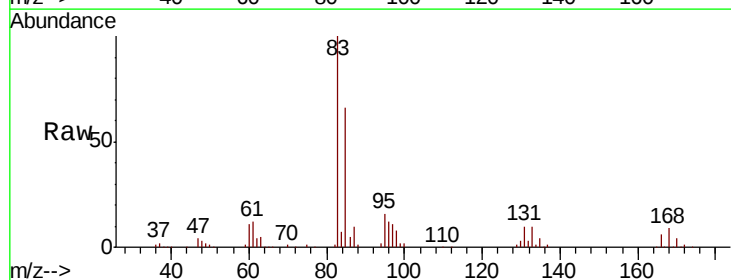
Tgt Ion: 83 Resp: 158035

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.7

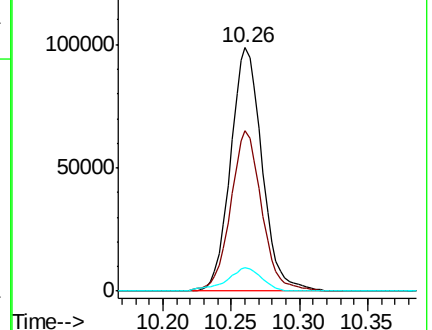
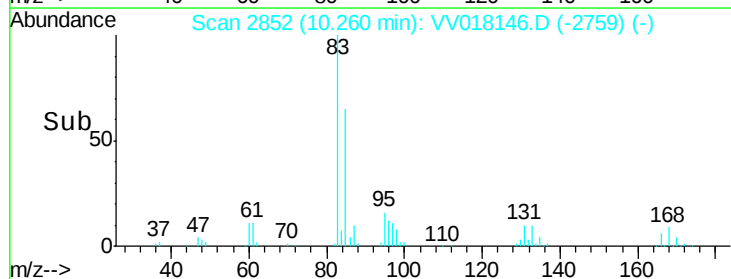
131 9.6 7.8 11.6

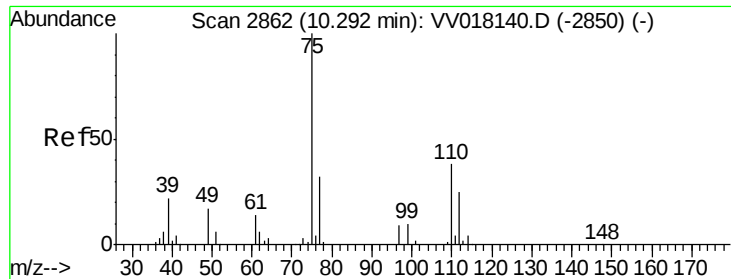


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.108 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

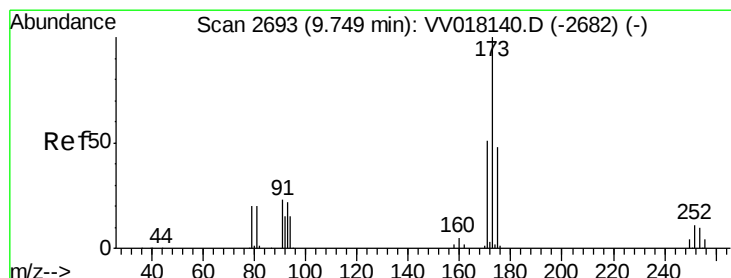
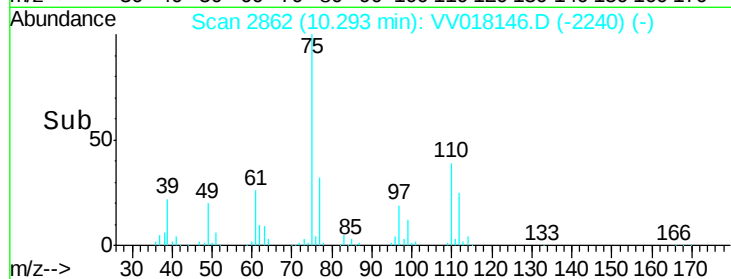
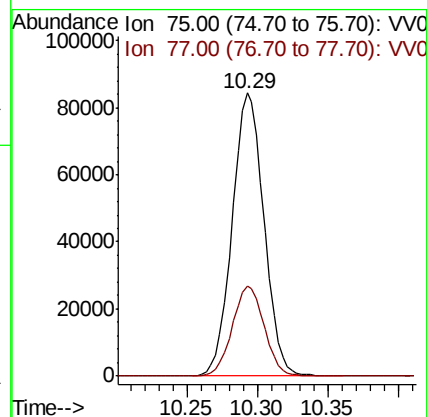
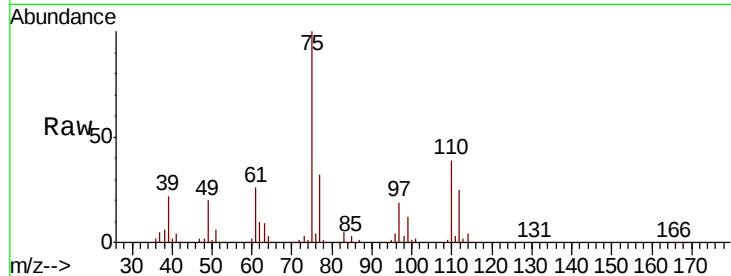
VSTD05092

Tot Ion: 75 Resp: 132784

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#61

Bromoform

Concen: 60.446 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

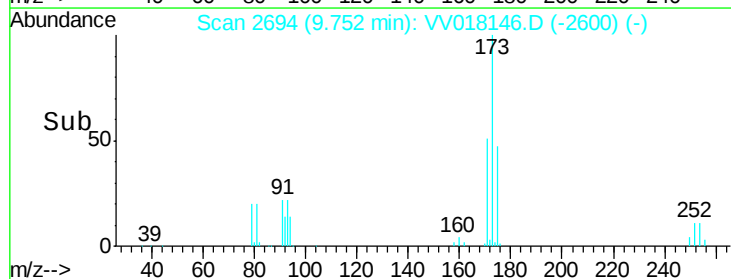
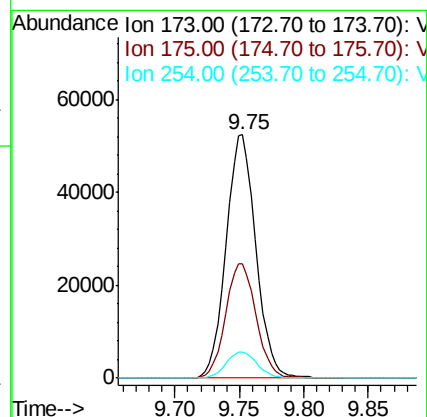
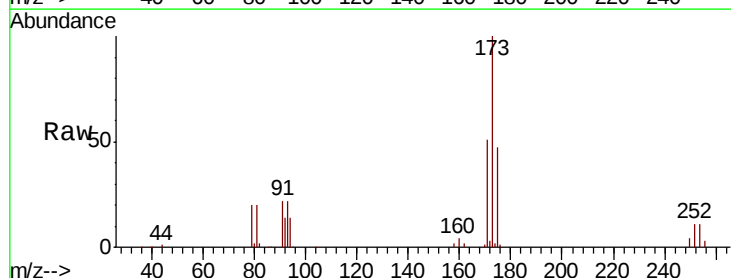
Tgt Ion: 173 Resp: 84073

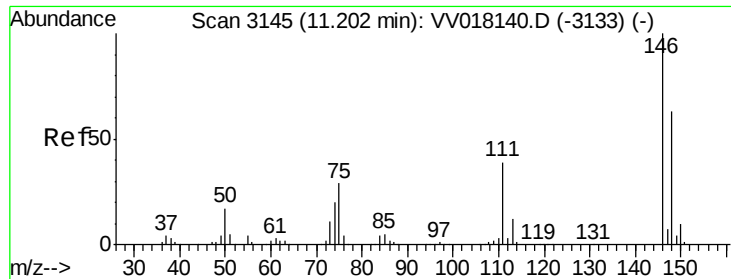
Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 11.2 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 49.834 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

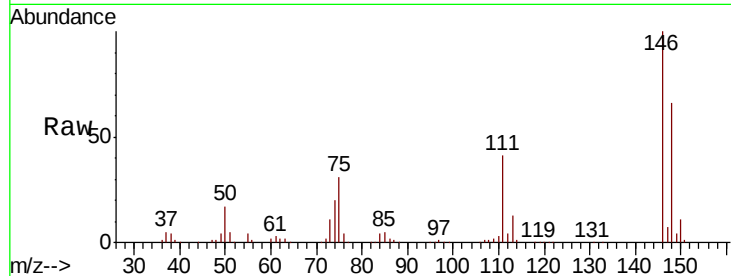
Tot Ion:146 Resp: 232945

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.4

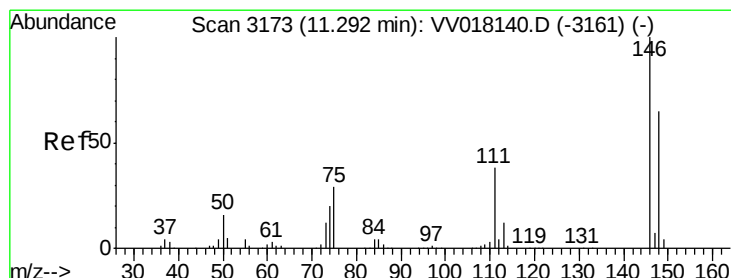
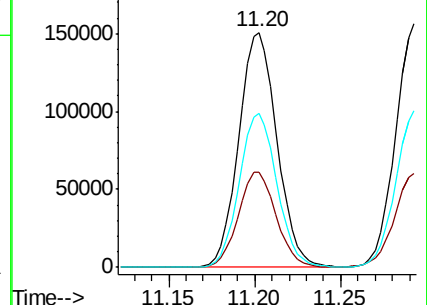
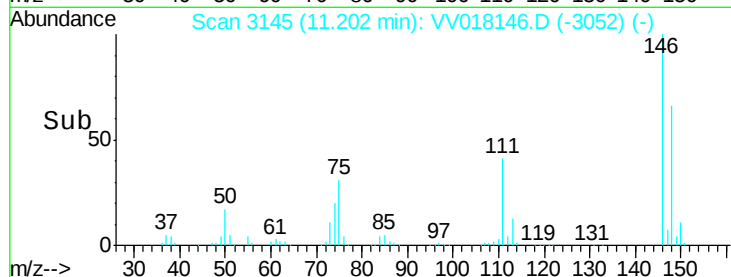
148 65.5 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.029 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

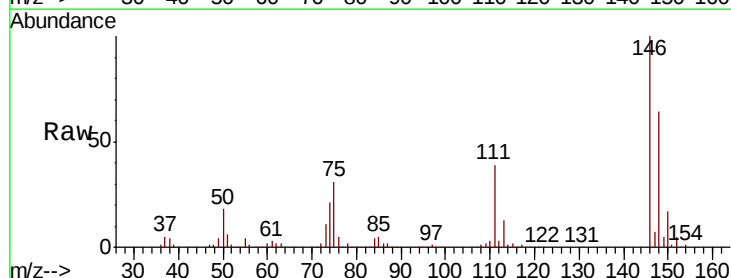
Tgt Ion:146 Resp: 240235

Ion Ratio Lower Upper

146 100

111 38.5 28.0 52.0

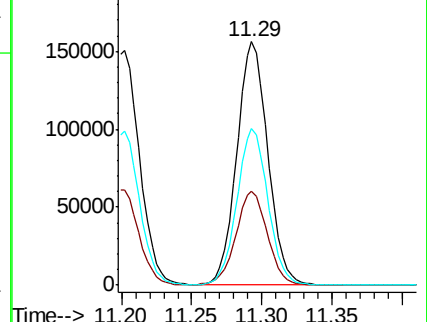
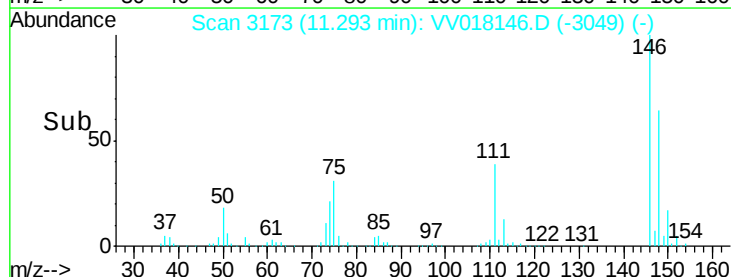
148 64.2 44.2 82.2

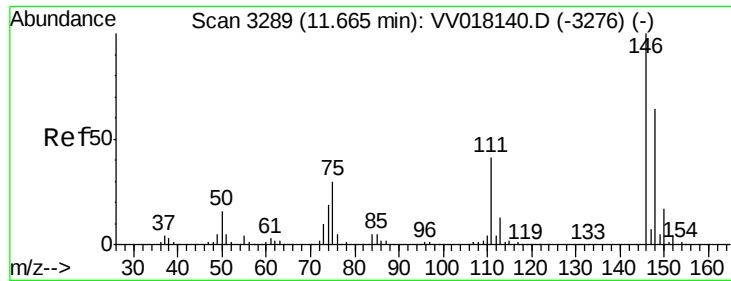


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.247 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

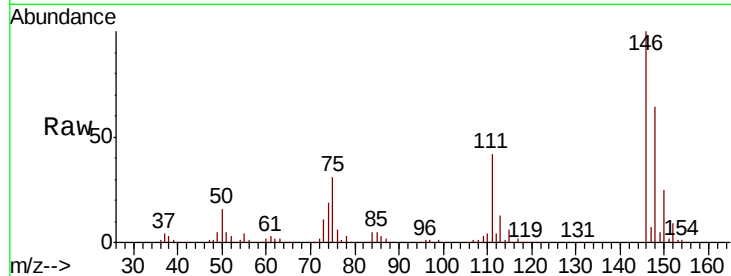
Tot Ion:146 Resp: 236938

Ion Ratio Lower Upper

146 100

111 41.5 34.2 51.4

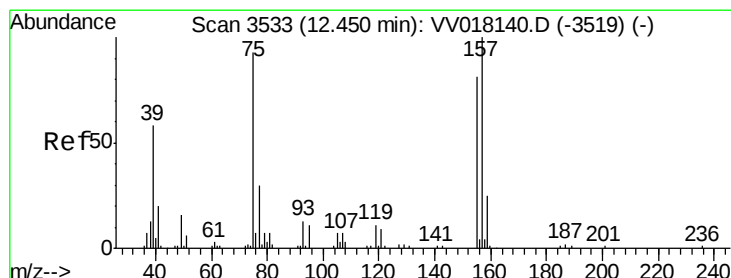
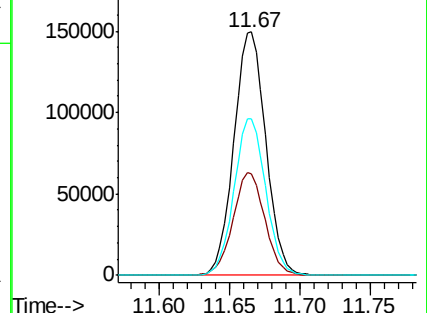
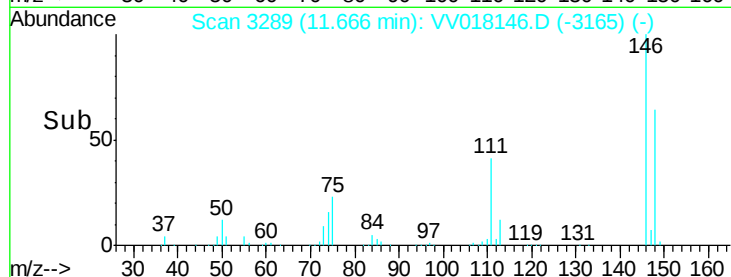
148 64.2 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 47.337 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

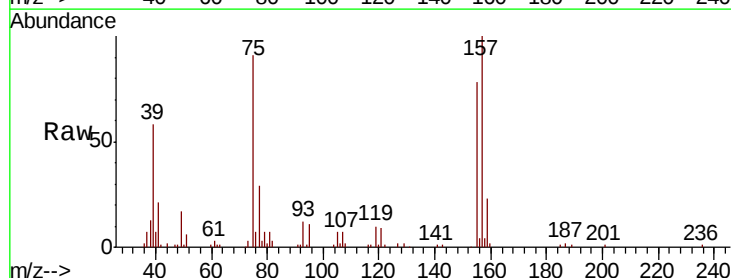
Tgt Ion: 75 Resp: 33556

Ion Ratio Lower Upper

75 100

155 85.9 67.6 101.4

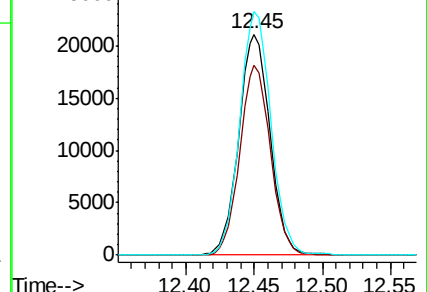
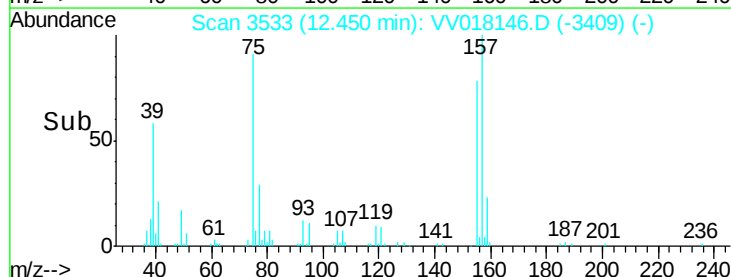
157 110.2 84.3 126.5

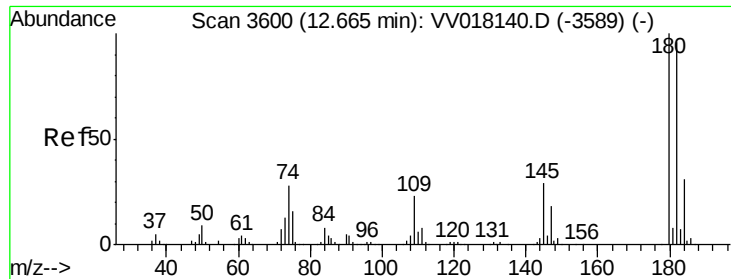


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

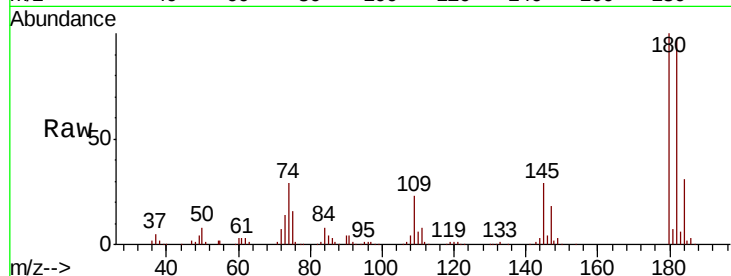




#67
 1,3,5-Trichlorobenzene
 Concen: 53.118 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.2	115.8
184	30.7	24.6	36.8
145	29.3	23.5	35.3

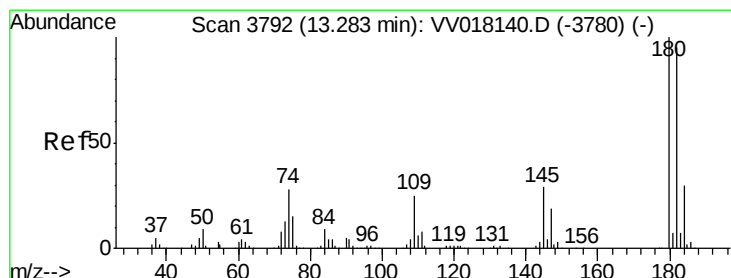
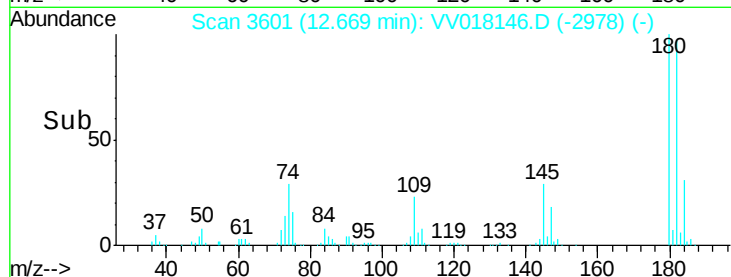
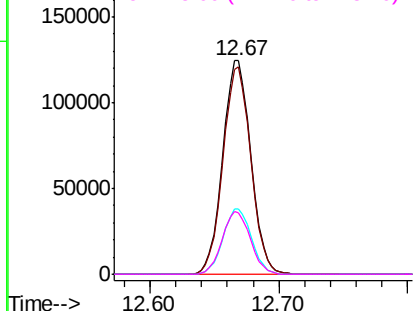


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

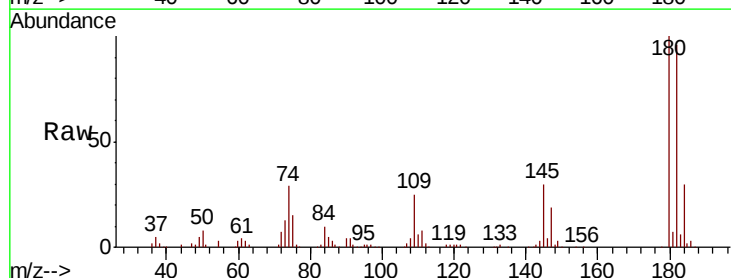
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.376 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018146.D
 Acq: 01 Sep 2020 15:17

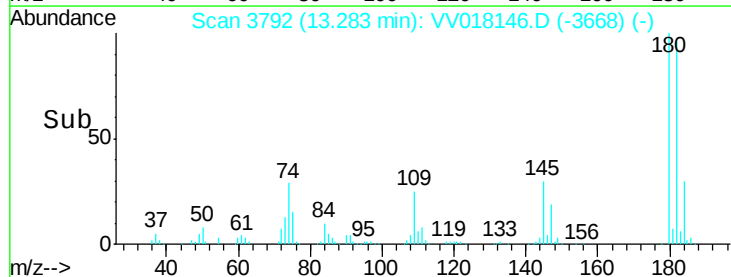
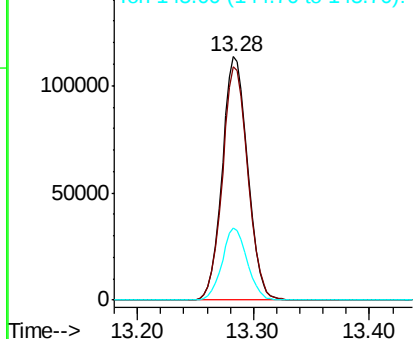
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.4	114.6
145	29.2	24.0	36.0

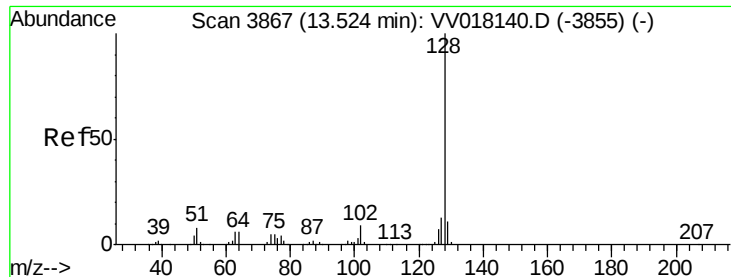


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.385 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

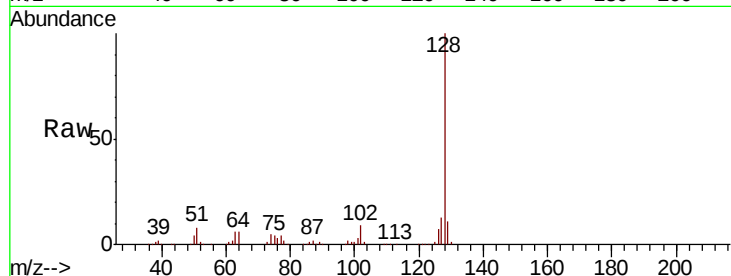
Tot Ion:128 Resp: 442160

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

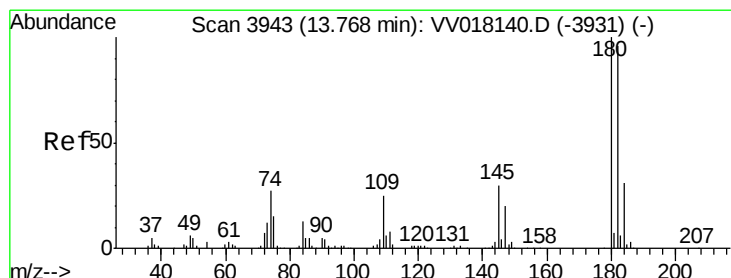
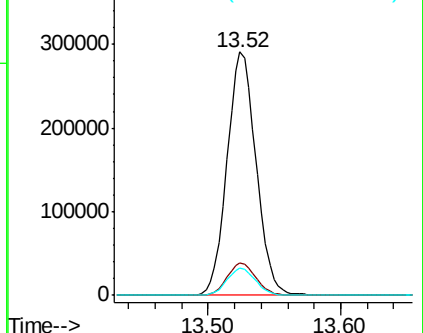
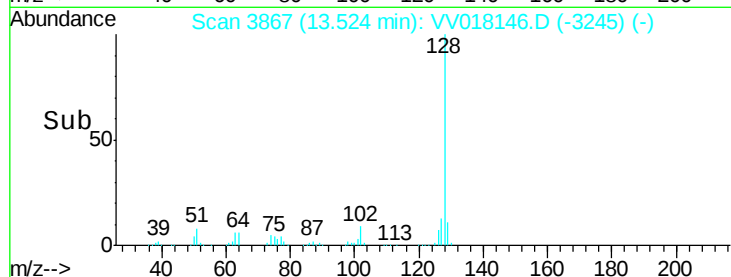
129 10.9 8.7 13.1



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



#70

1,2,3-Trichlorobenzene

Concen: 54.248 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018146.D

Acq: 01 Sep 2020 15:17

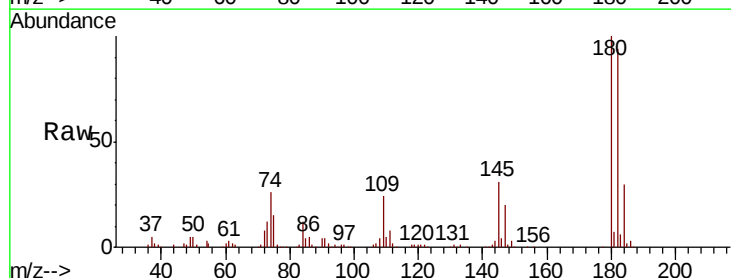
Tgt Ion:180 Resp: 172230

Ion Ratio Lower Upper

180 100

182 94.4 76.5 114.7

145 31.5 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

