

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101620\
 Data File : VV018935.D
 Acq On : 16 Oct 2020 13:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Oct 17 05:55:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 16 10:34:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	321503	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	315487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168397	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	112571	42.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.08%
7) Chloroethane-d5	1.57	69	92675	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.12	63	238342	47.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.42%
21) 2-Butanone-d5	3.90	46	172326	93.42	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.42%
24) Chloroform-d	4.37	84	221158	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
26) 1,2-Dichloroethane-d4	5.05	65	149744	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
32) Benzene-d6	5.07	84	414245	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
36) 1,2-Dichloropropane-d6	6.09	67	134498	45.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.34%
41) Toluene-d8	7.33	98	381438	46.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.34%
43) trans-1,3-Dichloropropene-	7.64	79	68556	47.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.26%
47) 2-Hexanone-d5	8.10	63	107811	98.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.56%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	165340	47.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.82%
64) 1,2-Dichlorobenzene-d4	11.65	152	157007	45.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	151877	54.556	ug/L 99
3) Chloromethane	1.25	50	162374	51.717	ug/L 100
5) Vinyl chloride	1.32	62	159935	52.705	ug/L 99
6) Bromomethane	1.53	94	93999	50.771	ug/L 99
8) Chloroethane	1.59	64	96555	53.052	ug/L 100
9) Trichlorofluoromethane	1.76	101	224769	56.118	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	120801	57.920	ug/L 99
12) 1,1-Dichloroethene	2.13	96	114153	54.009	ug/L 96
13) Acetone	2.18	43	155926	115.677	ug/L 97
14) Carbon disulfide	2.31	76	378842	52.611	ug/L 100
15) Methyl Acetate	2.44	43	148972	53.800	ug/L 99
16) Methylene chloride	2.52	84	134209	52.929	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	125713	53.581	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	398710	53.785	ug/L 100
19) 1,1-Dichloroethane	3.21	63	235439	51.580	ug/L 100
20) cis-1,2-Dichloroethene	3.93	96	125651	50.529	ug/L 100
22) 2-Butanone	3.98	43	194050	105.879	ug/L 98

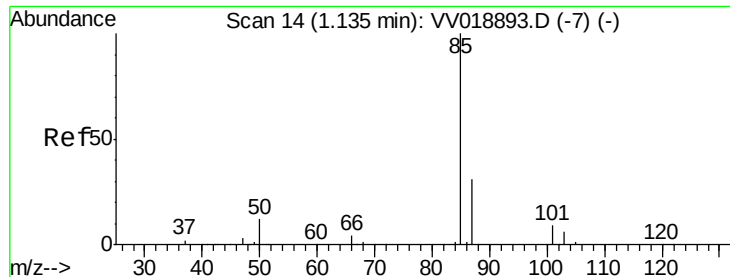
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101620\
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 QLast Update : Fri Oct 16 10:34:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	64160	49.958	ug/L	99
25) Chloroform	4.40	83	231284	50.389	ug/L	99
27) 1,2-Dichloroethane	5.15	62	189792	50.618	ug/L	100
29) Cyclohexane	4.70	56	205681	54.859	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	204929	52.349	ug/L	99
31) Carbon tetrachloride	4.85	117	178399	53.544	ug/L	100
33) Benzene	5.12	78	490736	50.743	ug/L	100
34) Trichloroethene	5.93	95	135925	48.738	ug/L	99
35) Methylcyclohexane	6.15	83	184932	54.752	ug/L	99
37) 1,2-Dichloropropane	6.19	63	130983	50.593	ug/L	98
38) Bromodichloromethane	6.53	83	168577	50.788	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	202883	52.153	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	364305	102.038	ug/L	99
42) Toluene	7.41	91	522906	52.351	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	201277	53.392	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	119319	49.548	ug/L	99
46) Tetrachloroethene	7.99	164	103457	52.637	ug/L	99
48) 2-Hexanone	8.15	43	291974	103.142	ug/L	99
49) Dibromochloromethane	8.27	129	131520	51.586	ug/L	100
50) 1,2-Dibromoethane	8.37	107	123359	49.153	ug/L	99
51) Chlorobenzene	8.90	112	328293	50.413	ug/L	99
52) Ethylbenzene	9.03	91	580186	53.657	ug/L	100
53) m,p-Xylene	9.16	106	215249	53.433	ug/L	98
54) o-xylene	9.56	106	208440	54.084	ug/L	99
55) Styrene	9.58	104	370728	54.689	ug/L	100
56) Isopropylbenzene	9.95	105	559634	55.312	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	164824	50.406	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	152276	48.591	ug/L	99
61) Bromoform	9.75	173	94798	51.533	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	267188	51.181	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	275888	50.266	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	267005	50.694	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37771	48.122	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	183121	52.219	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	171518	53.079	ug/L	100
69) Naphthalene	13.52	128	499187	54.434	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	173200	53.622	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 54.556 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

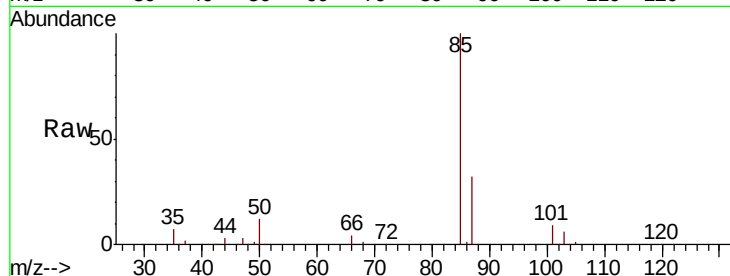
VSTD05092

Tot Ion: 85 Resp: 151877

Ion Ratio Lower Upper

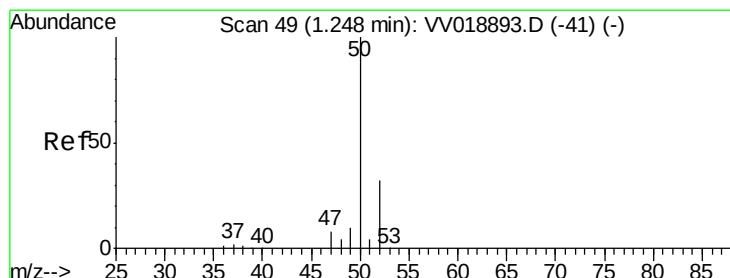
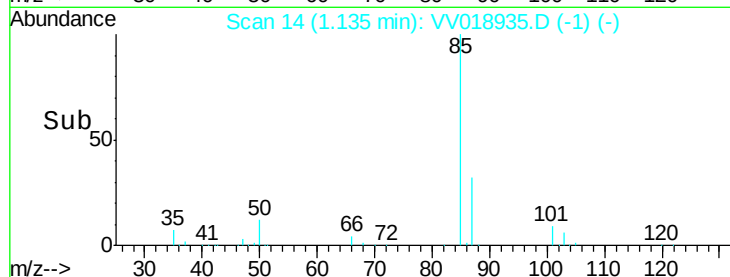
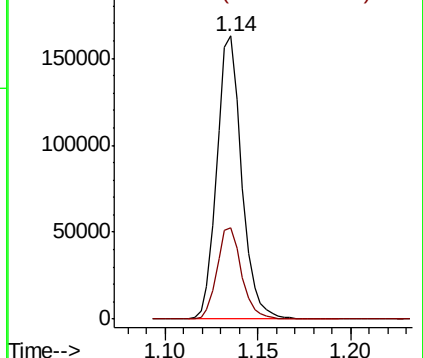
85 100

87 32.1 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.717 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018935.D

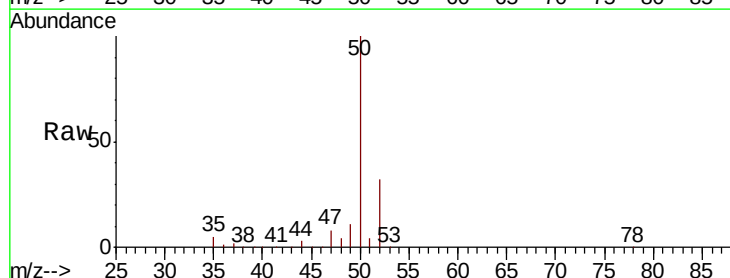
Acq: 16 Oct 2020 13:39

Tgt Ion: 50 Resp: 162374

Ion Ratio Lower Upper

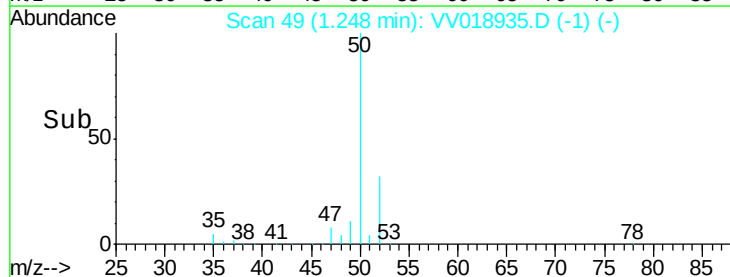
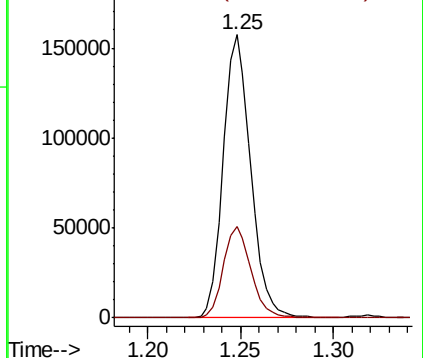
50 100

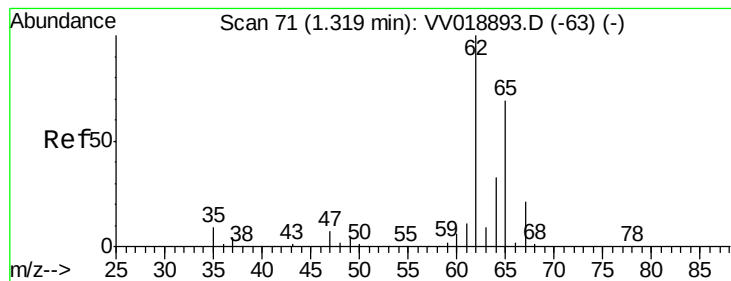
52 32.2 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 52.705 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleID :

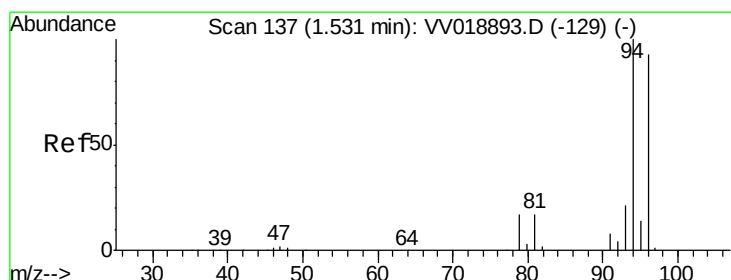
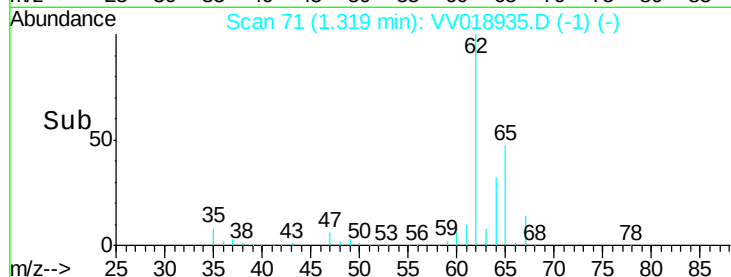
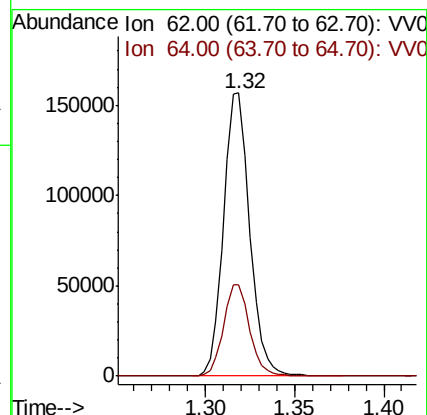
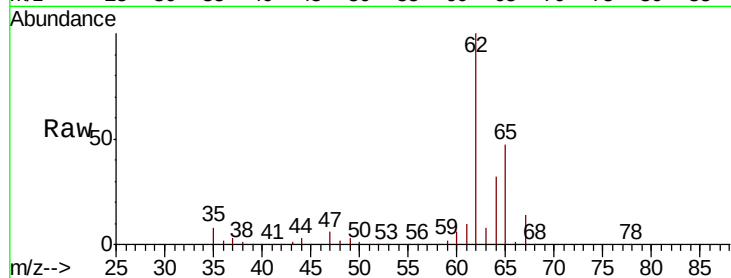
VSTD05092

Tot Ion: 62 Resp: 159935

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.2



#6

Bromomethane

Concen: 50.771 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV018935.D

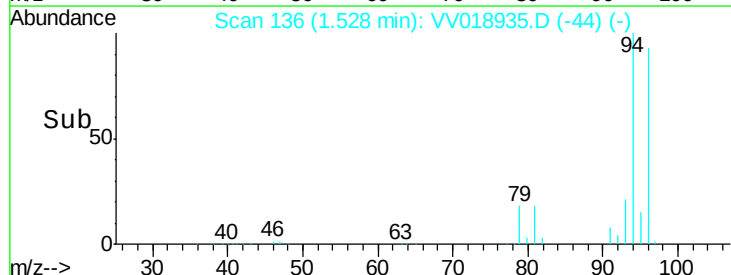
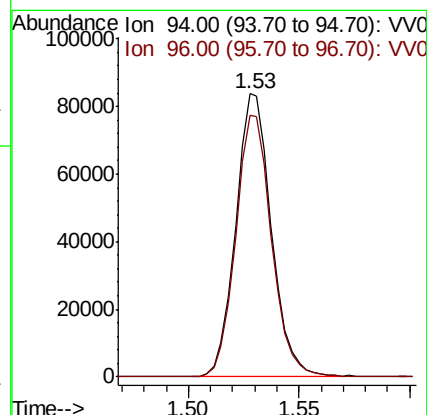
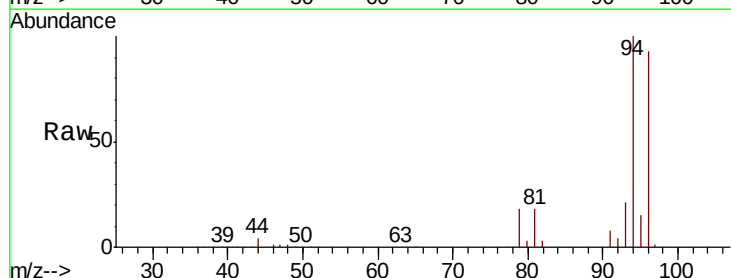
Acq: 16 Oct 2020 13:39

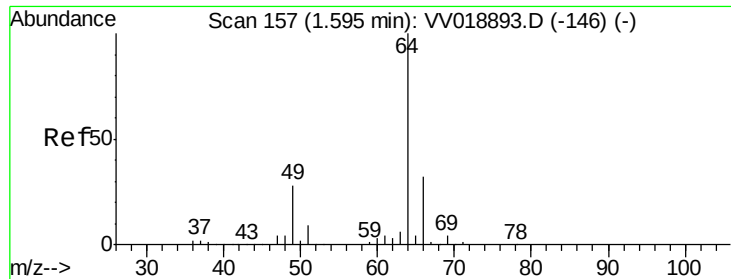
Tgt Ion: 94 Resp: 93999

Ion Ratio Lower Upper

94 100

96 92.5 65.3 121.3

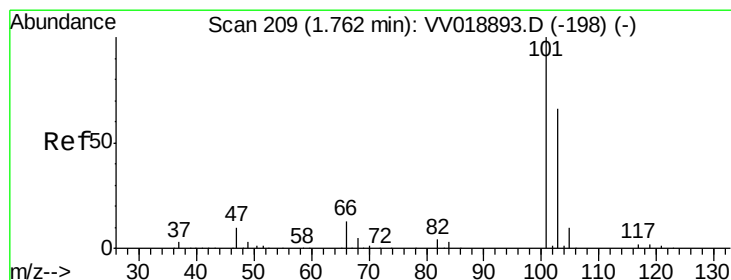
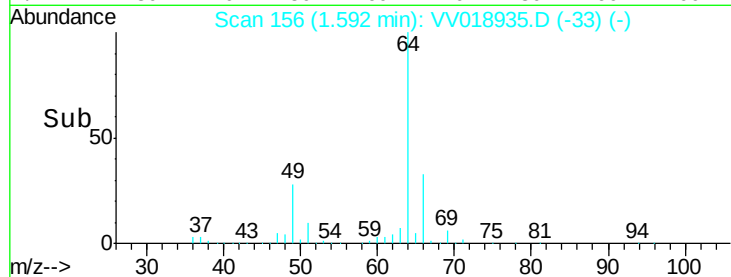
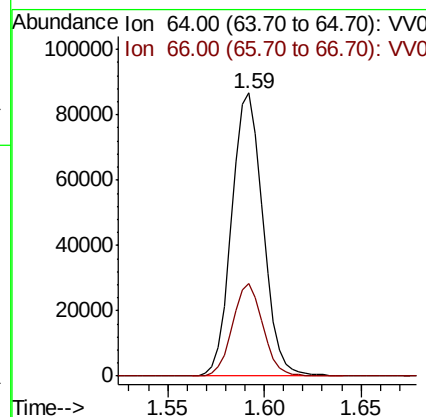
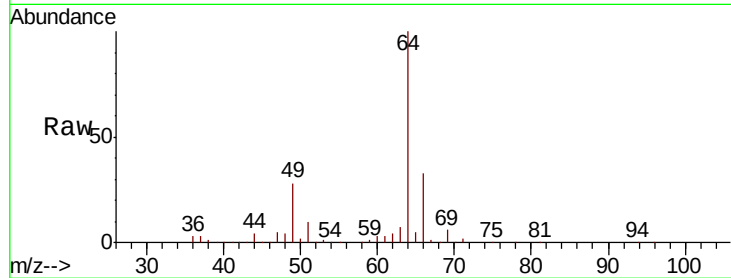




#8
Chloroethane
Concen: 53.052 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

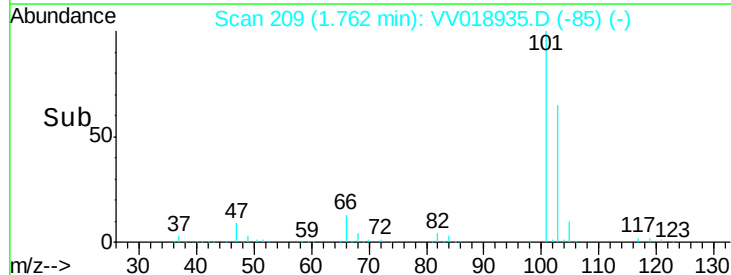
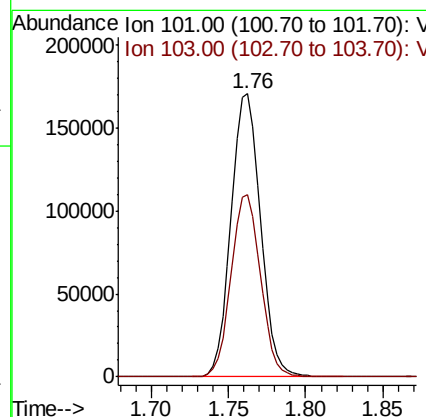
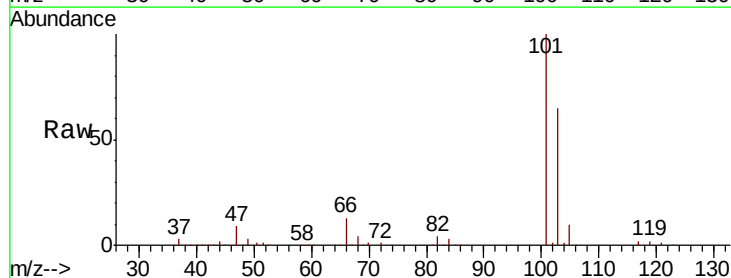
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

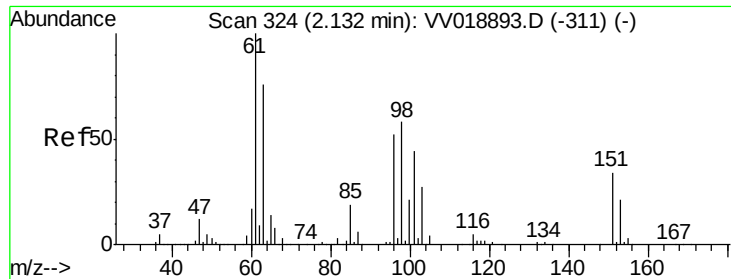
Tot Ion: 64 Resp: 96555
Ion Ratio Lower Upper
64 100
66 32.5 22.7 42.1



#9
Trichlorofluoromethane
Concen: 56.118 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Tgt Ion: 101 Resp: 224769
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 57.920 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

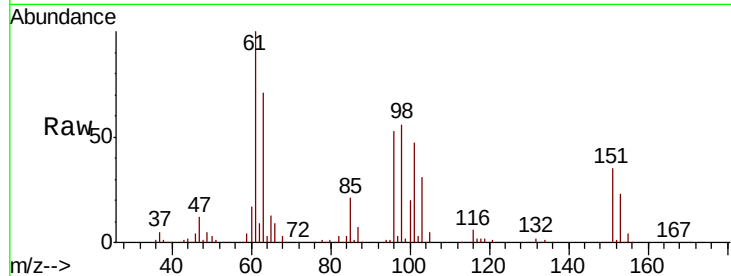
Tot Ion:101 Resp: 120801

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

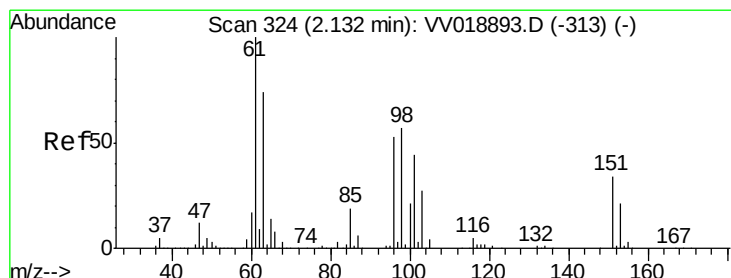
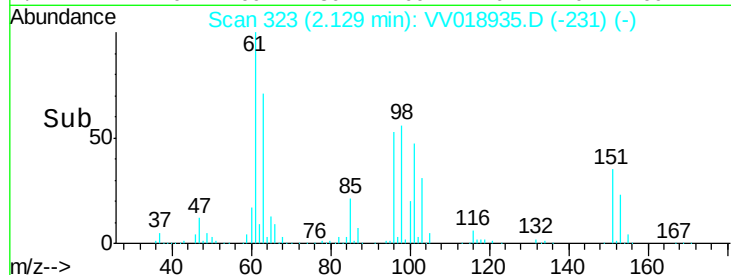
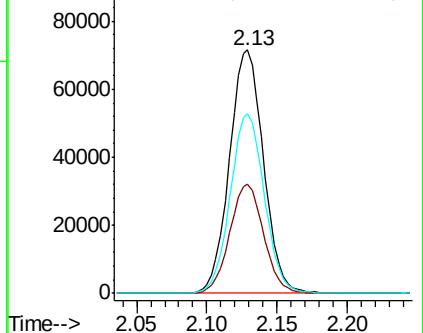
151 74.2 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018893.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018893.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 54.009 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

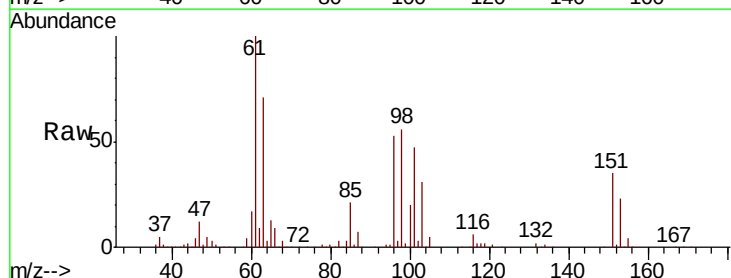
Tgt Ion: 96 Resp: 114153

Ion Ratio Lower Upper

96 100

61 189.9 133.5 247.9

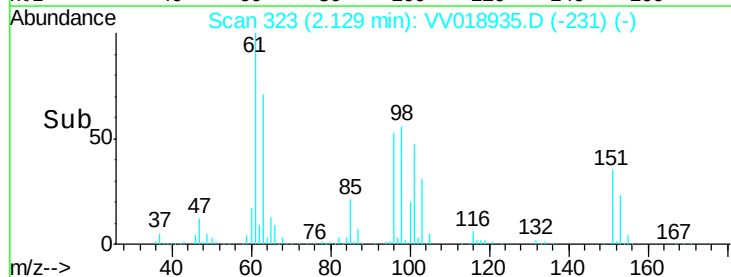
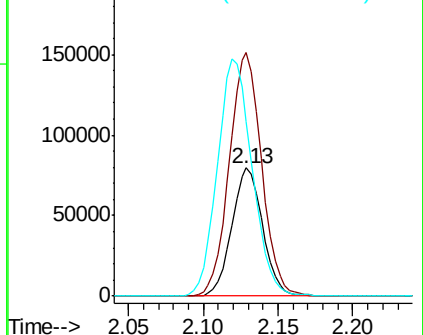
63 135.7 102.1 189.7

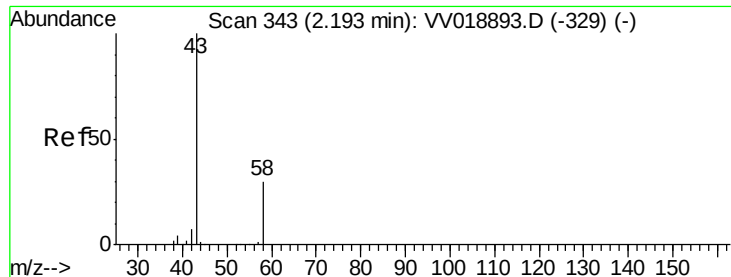


Abundance Ion 96.00 (95.70 to 96.70): VV018935.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018935.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018935.D (-231) (-)





#13

Acetone

Concen: 115.677 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

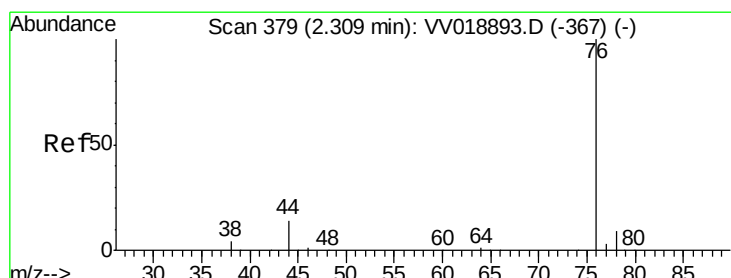
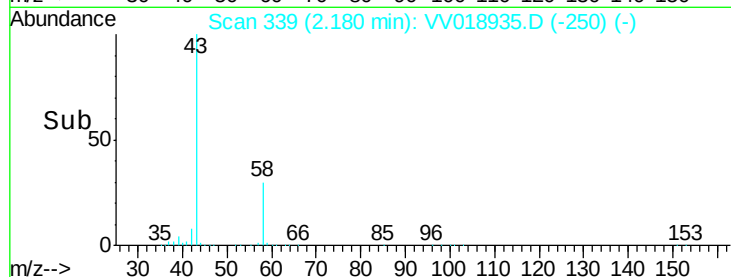
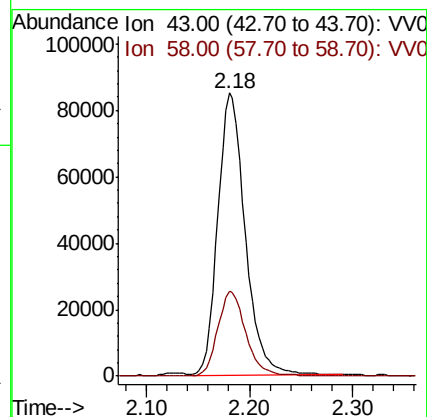
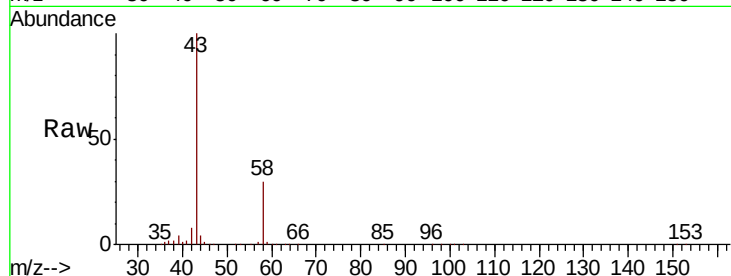
VSTD05092

Tot Ion: 43 Resp: 155926

Ion Ratio Lower Upper

43 100

58 31.1 0.0 58.8



#14

Carbon disulfide

Concen: 52.611 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV018935.D

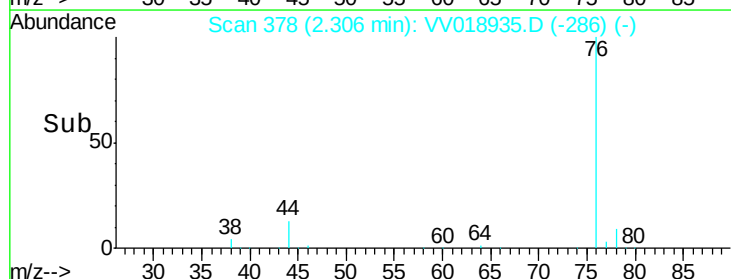
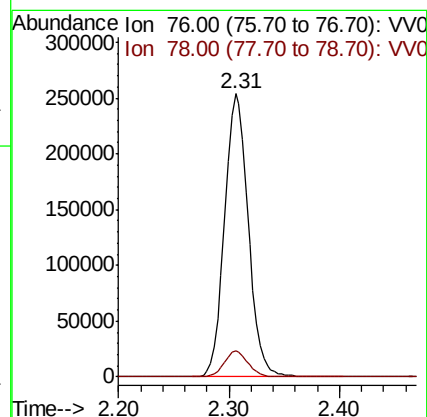
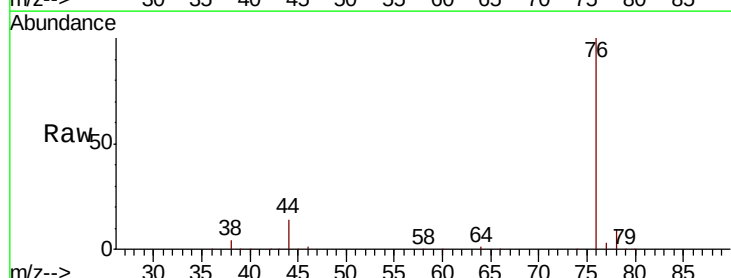
Acq: 16 Oct 2020 13:39

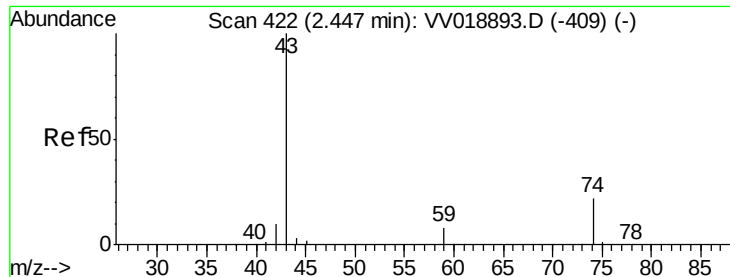
Tgt Ion: 76 Resp: 378842

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

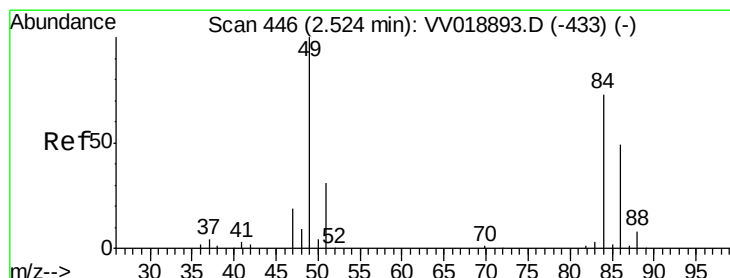
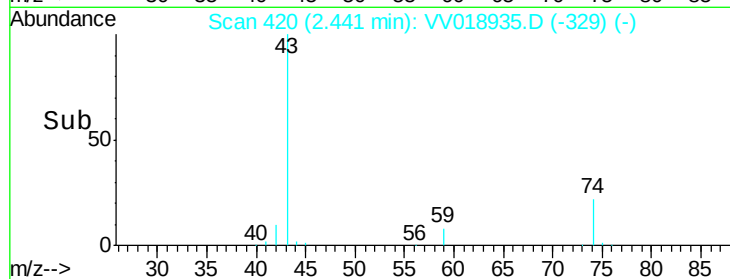
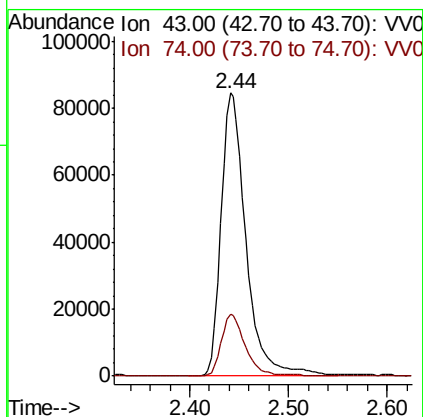
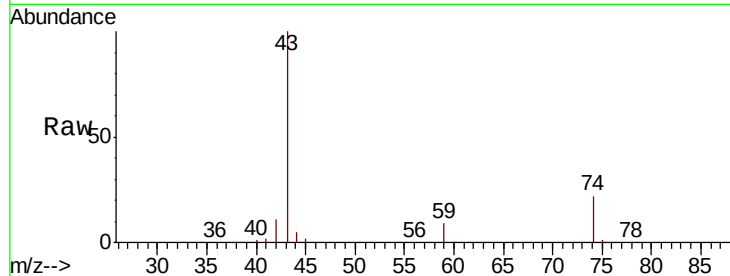




#15
Methvl Acetate
Concen: 53.800 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.01 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

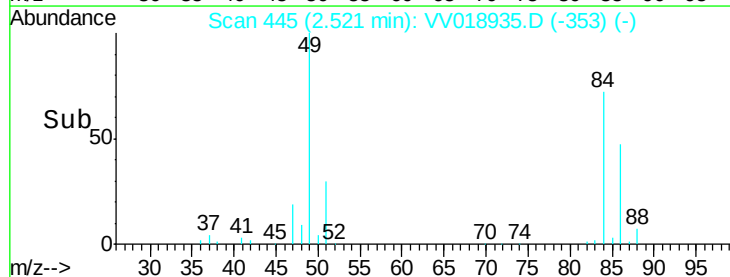
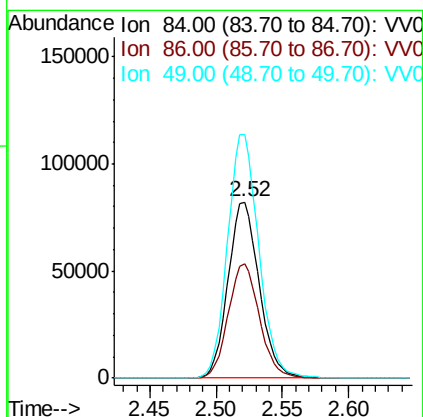
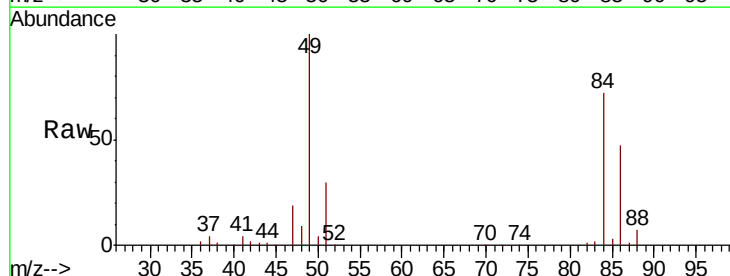
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

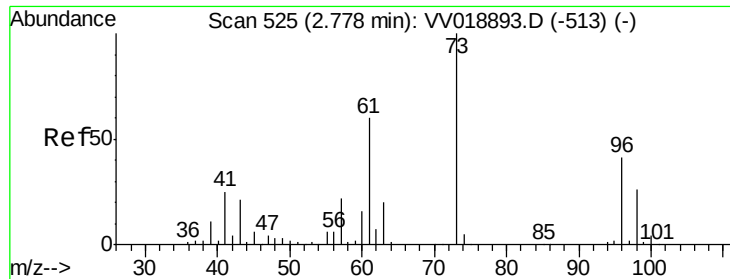
Tot Ion: 43 Resp: 148972
Ion Ratio Lower Upper
43 100
74 20.9 17.0 25.6



#16
Methylene chloride
Concen: 52.929 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Tgt Ion: 84 Resp: 134209
Ion Ratio Lower Upper
84 100
86 64.6 46.6 86.6
49 137.9 96.1 178.5



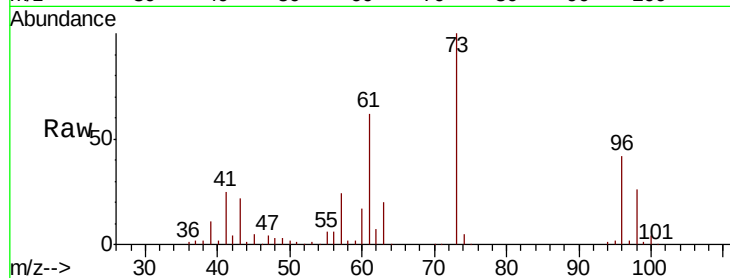


#17
 trans-1,2-Dichloroethene
 Concen: 53.581 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

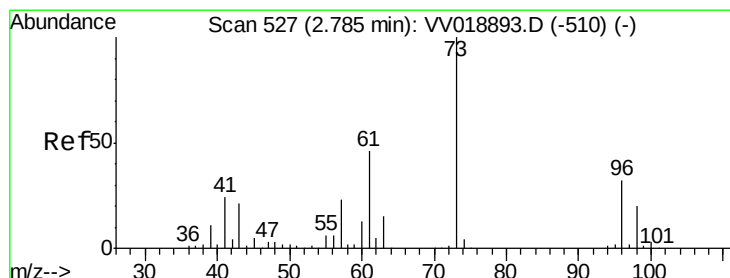
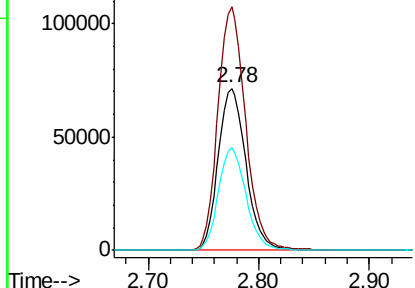
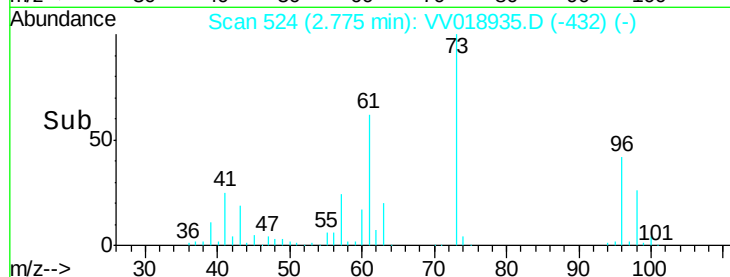
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion: 96 Resp: 125713

Ion	Ratio	Lower	Upper
96	100		
61	150.1	102.8	190.8
98	63.4	44.0	81.6



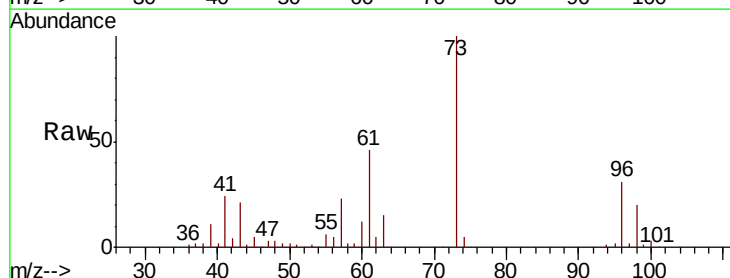
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



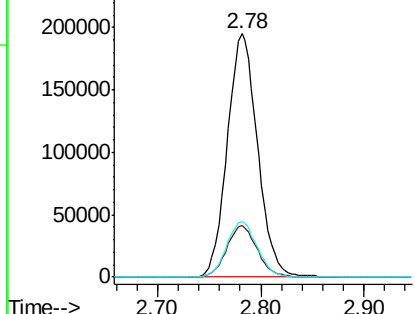
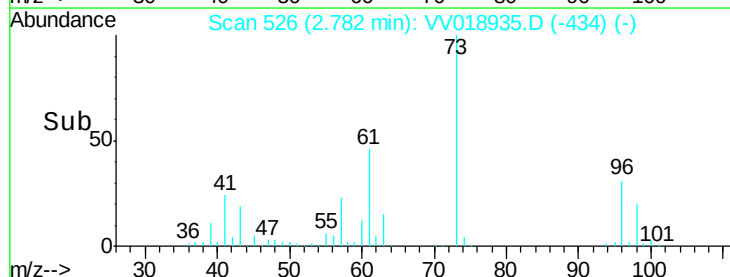
#18
 Methyl tert-butyl Ether
 Concen: 53.785 ug/L
 RT: 2.78 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

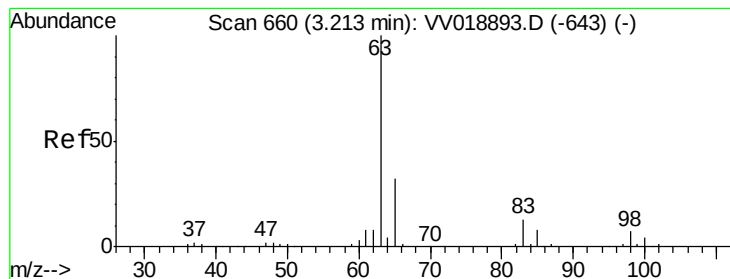
Tgt Ion: 73 Resp: 398710

Ion	Ratio	Lower	Upper
73	100		
43	21.2	16.9	25.3
57	23.2	18.3	27.5



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: 51.580 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.01 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

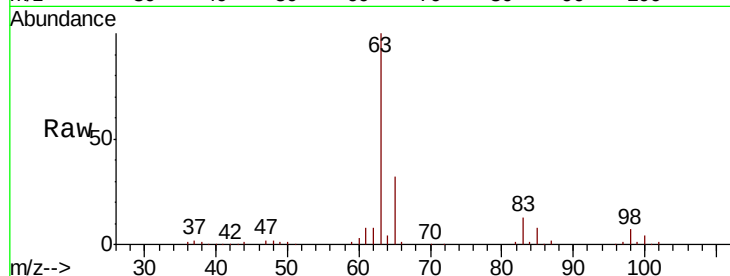
Tot Ion: 63 Resp: 235439

Ion Ratio Lower Upper

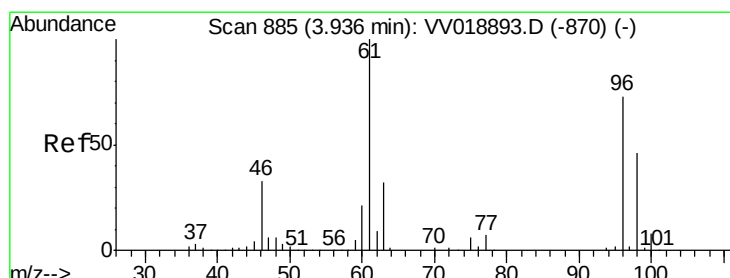
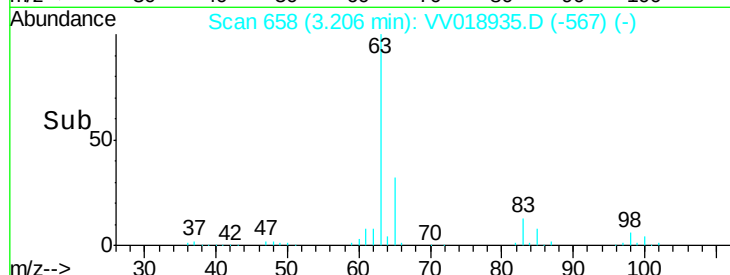
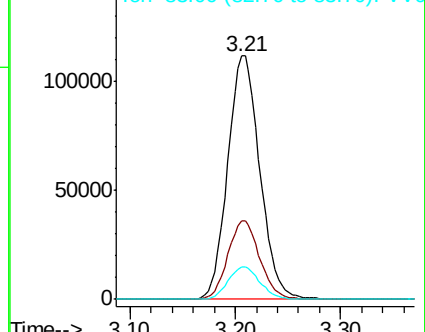
63 100

65 32.0 22.5 41.9

83 13.2 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 50.529 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

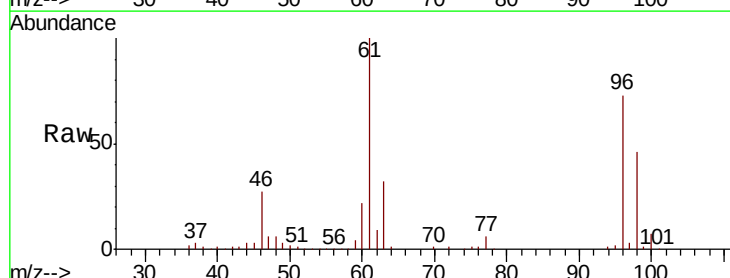
Tgt Ion: 96 Resp: 125651

Ion Ratio Lower Upper

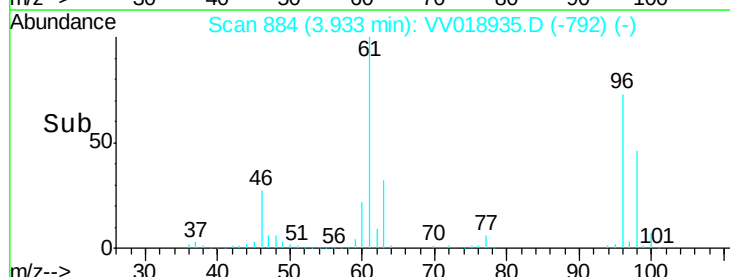
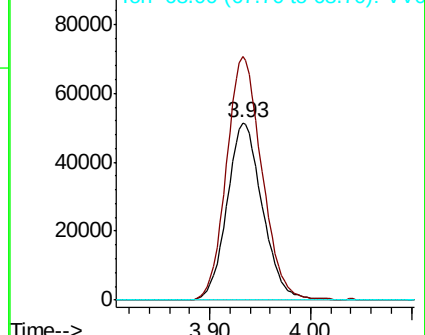
96 100

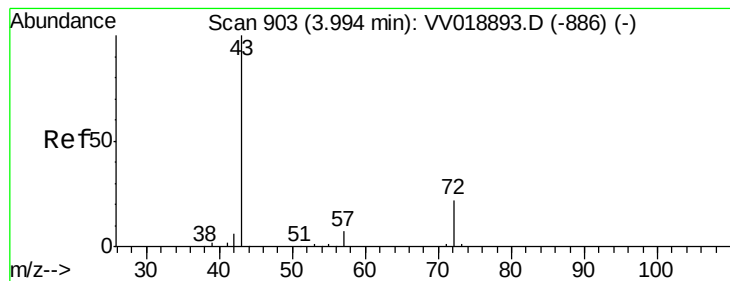
61 137.1 96.1 178.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 105.879 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

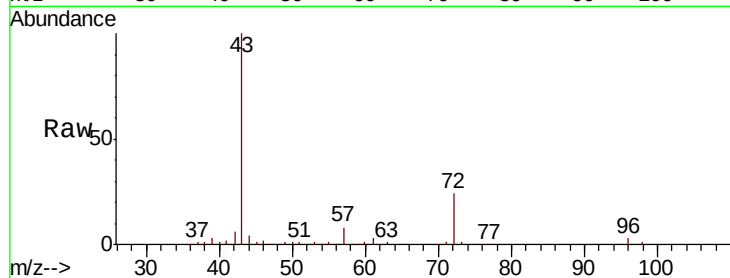
VSTD05092

Tot Ion: 43 Resp: 194050

Ion Ratio Lower Upper

43 100

72 22.7 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018893.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018893.D (-886) (-)

3.98

80000

60000

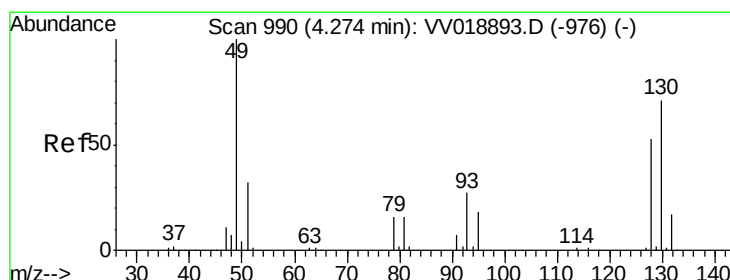
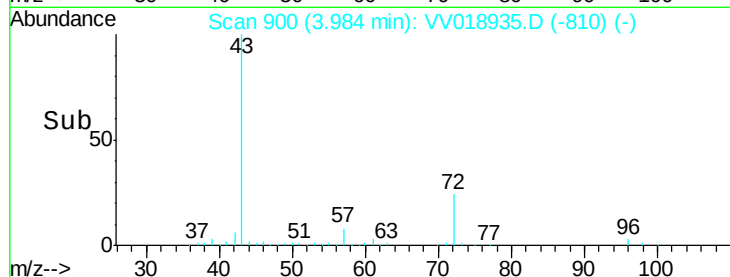
40000

20000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 49.958 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Tgt Ion: 128 Resp: 64160

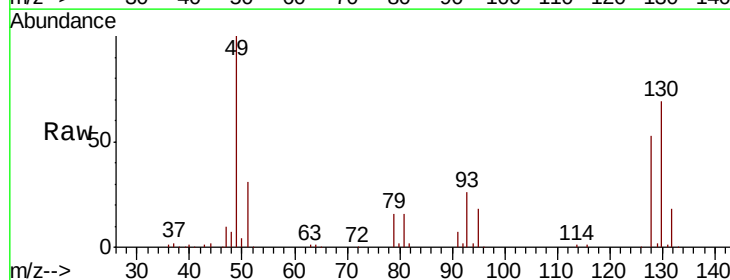
Ion Ratio Lower Upper

128 100

49 188.2 131.7 244.7

130 129.6 92.8 172.4

51 58.2 47.8 71.6



Abundance Ion 128.00 (127.70 to 128.70): VV018893.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018893.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018893.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018893.D (-976) (-)

60000

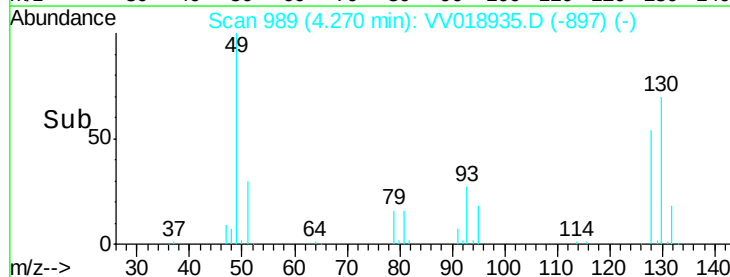
40000

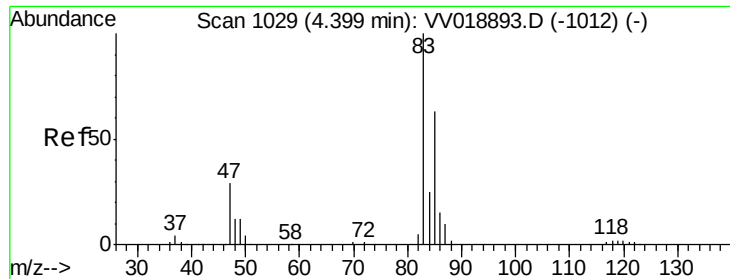
20000

0

Time-->

4.20 4.30 4.40

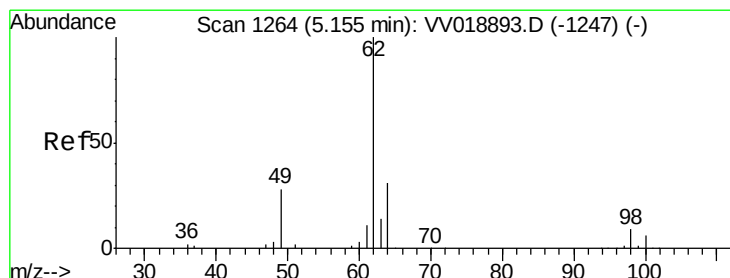
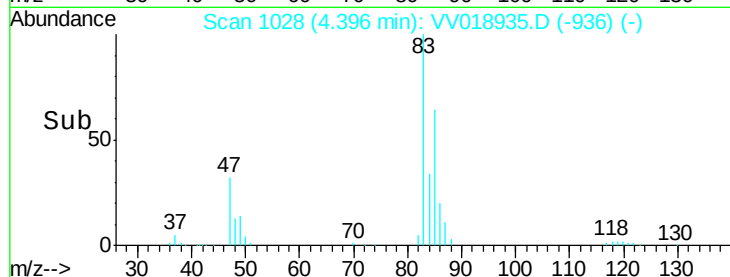
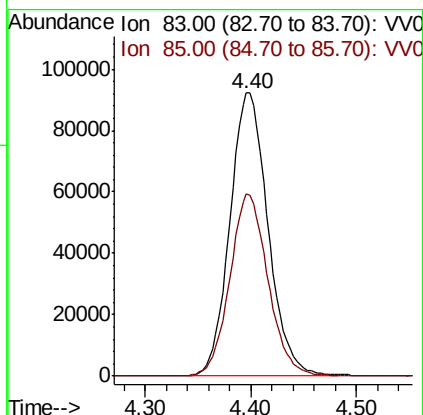
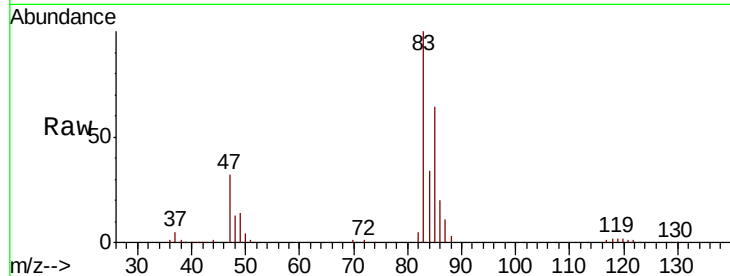




#25
Chloroform
Concen: 50.389 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

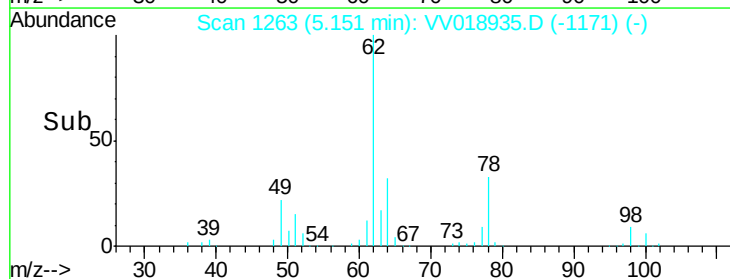
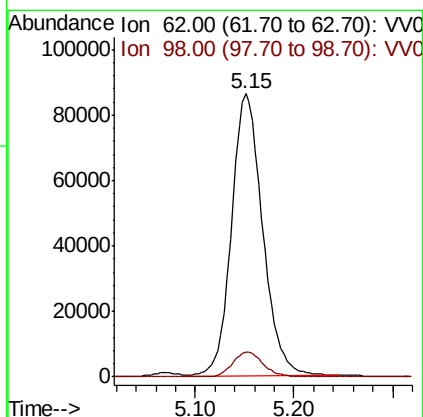
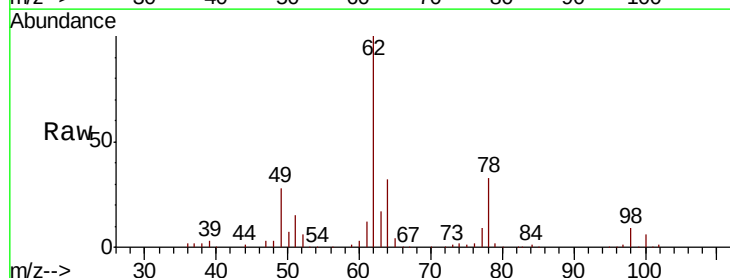
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

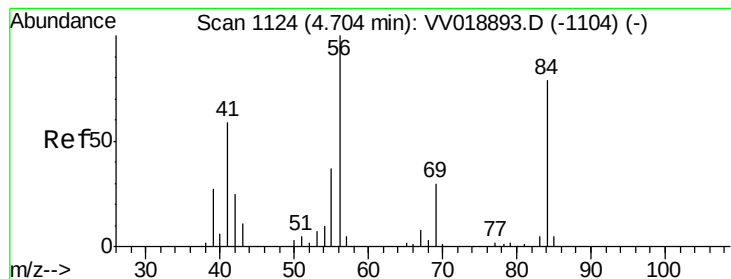
Tot Ion: 83 Resp: 231284
Ion Ratio Lower Upper
83 100
85 64.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 50.618 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Tgt Ion: 62 Resp: 189792
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.6





#29

Cyclohexane

Concen: 54.859 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

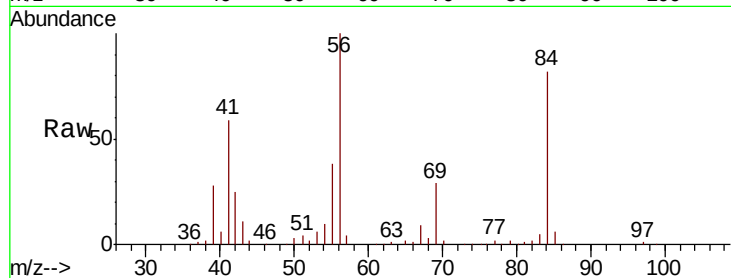
Tot Ion: 56 Resp: 205681

Ion Ratio Lower Upper

56 100

69 29.1 23.5 35.3

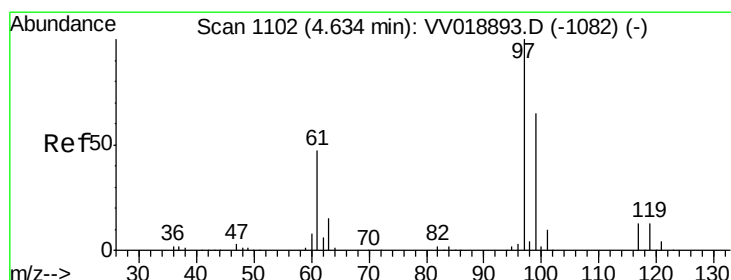
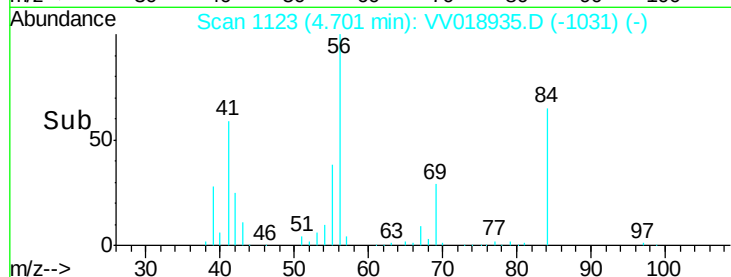
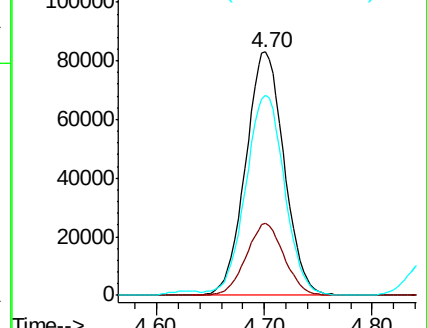
84 83.1 64.7 97.1



Abundance Ion 56.00 (55.70 to 56.70): VV018893.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018893.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018893.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 52.349 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

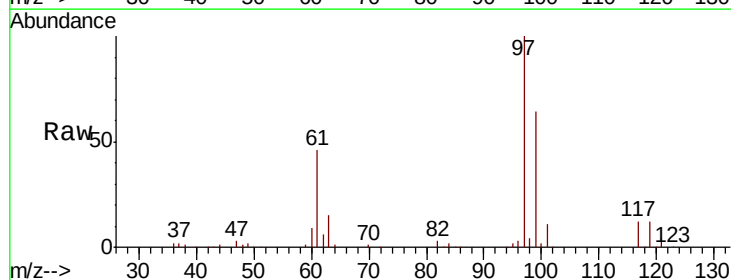
Tgt Ion: 97 Resp: 204929

Ion Ratio Lower Upper

97 100

99 64.2 51.2 76.8

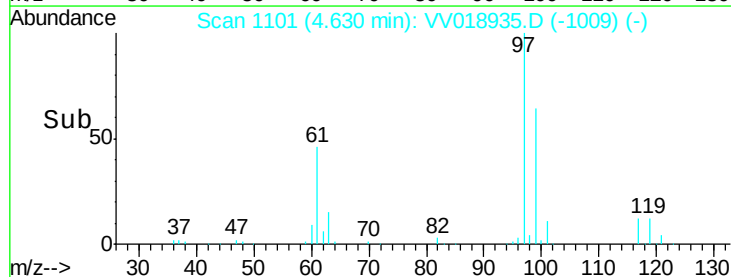
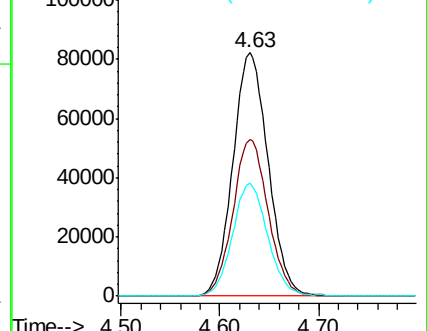
61 46.1 37.5 56.3

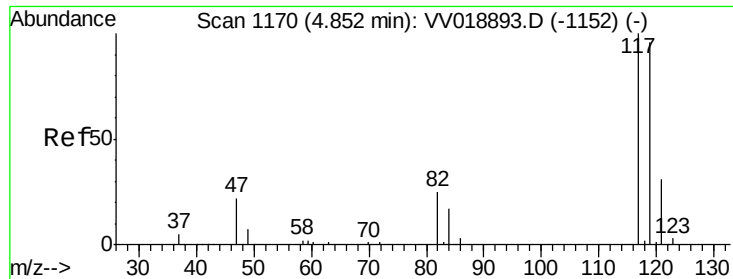


Abundance Ion 97.00 (96.70 to 97.70): VV018893.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV018893.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV018893.D (-1082) (-)

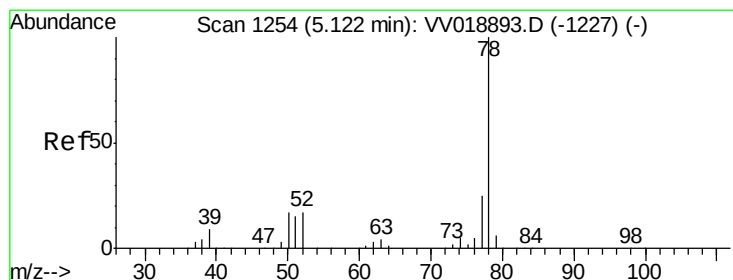
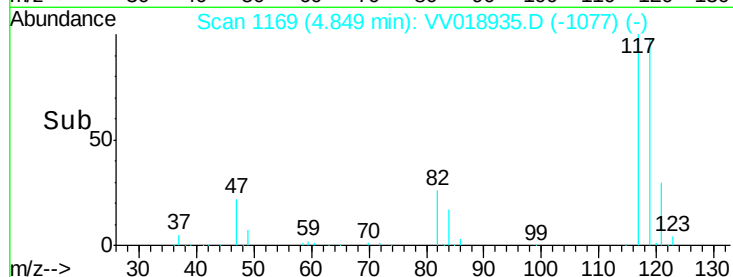
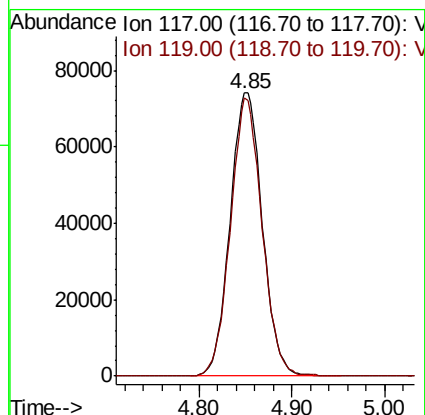
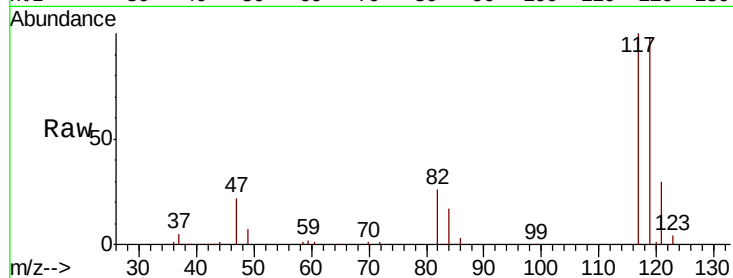




#31
Carbon tetrachloride
Concen: 53.544 ug/L
RT: 4.85 min Scan# 1169
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

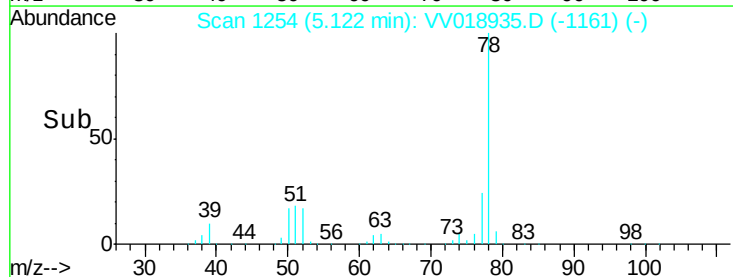
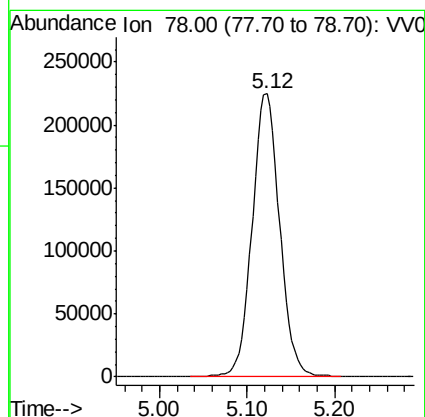
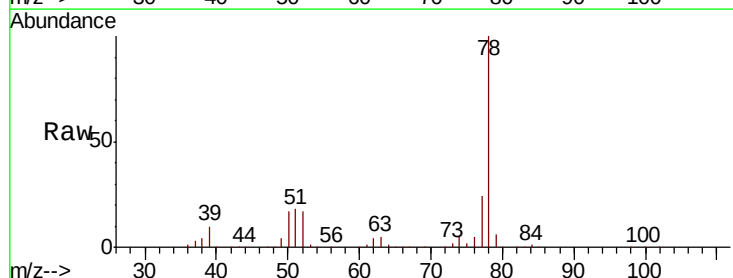
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

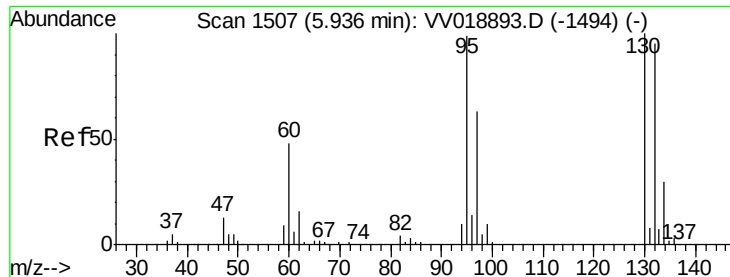
Tot Ion:117 Resp: 178399
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 50.743 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Tgt Ion: 78 Resp: 490736





#34

Trichloroethene

Concen: 48.738 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

Tot Ion: 95 Resp: 135925

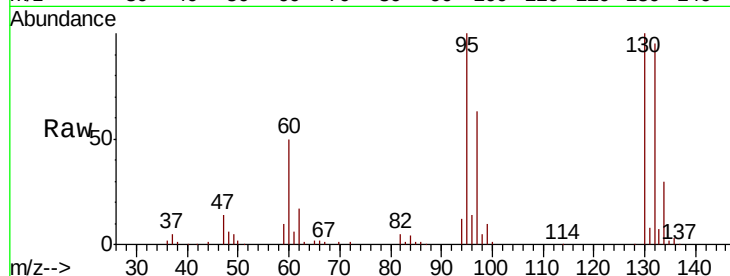
Ion Ratio Lower Upper

95 100

97 62.8 44.7 82.9

132 95.2 67.0 124.4

130 99.9 70.8 131.6

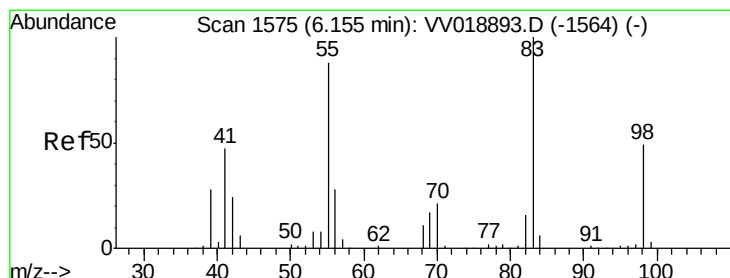
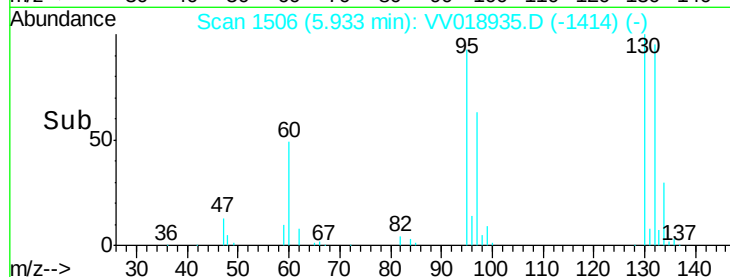
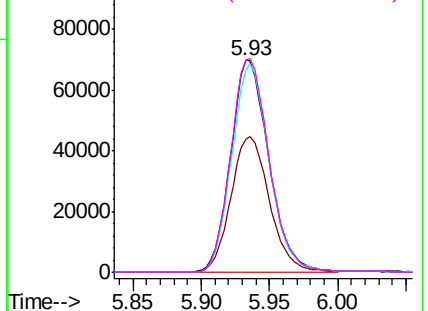


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.752 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

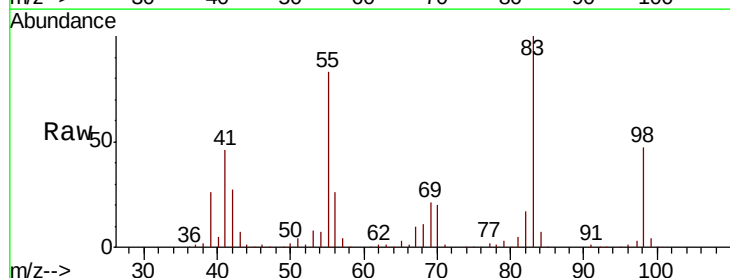
Tgt Ion: 83 Resp: 184932

Ion Ratio Lower Upper

83 100

55 82.9 67.3 100.9

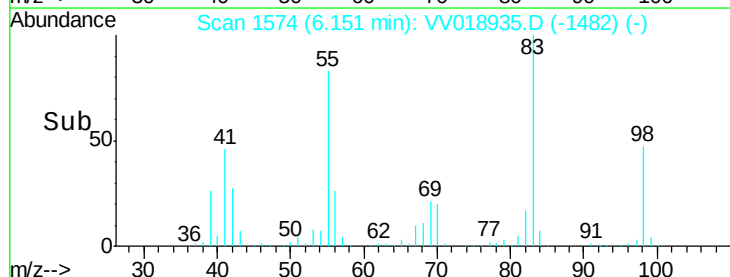
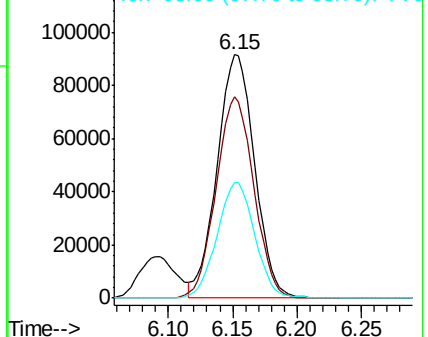
98 47.7 37.9 56.9

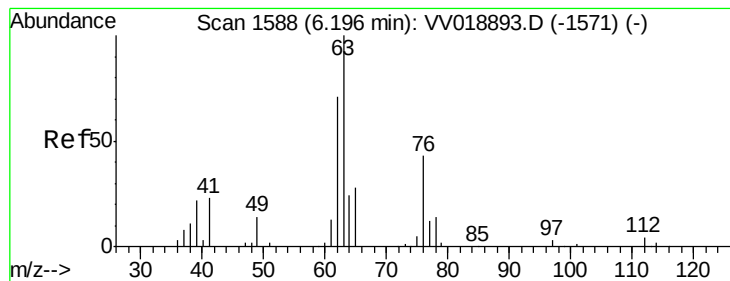


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 50.593 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

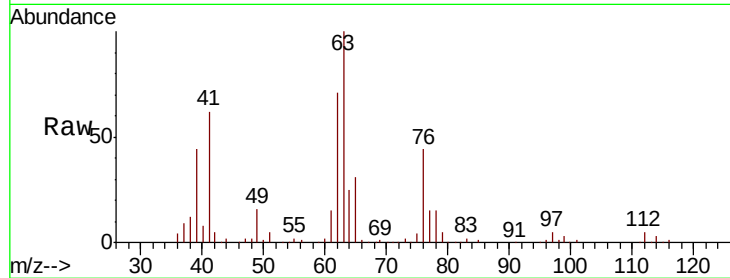
VSTD05092

Tot Ion: 63 Resp: 130983

Ion Ratio Lower Upper

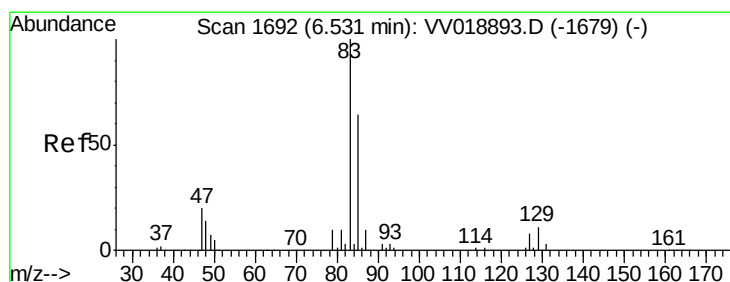
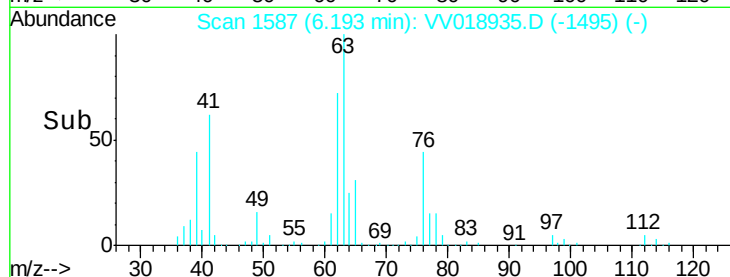
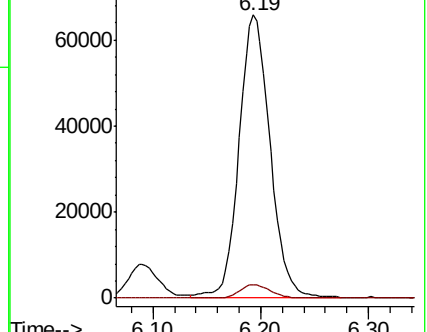
63 100

112 4.7 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV018893.D (-1571) (-)

Ion 112.00 (111.70 to 112.70): VV018893.D (-1571) (-)



#38

Bromodichloromethane

Concen: 50.788 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

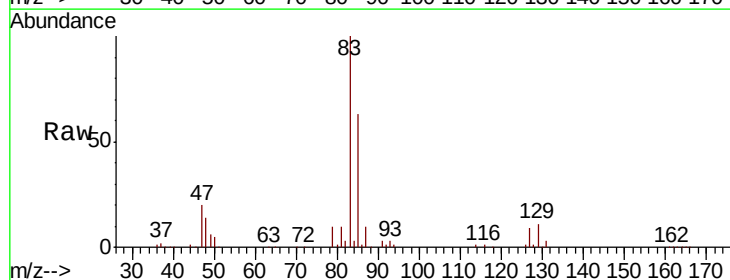
Tgt Ion: 83 Resp: 168577

Ion Ratio Lower Upper

83 100

85 63.2 44.7 83.1

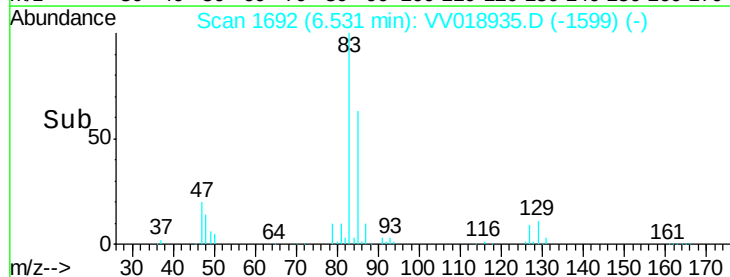
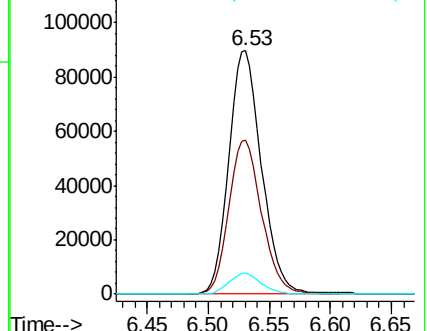
127 8.5 6.6 9.8

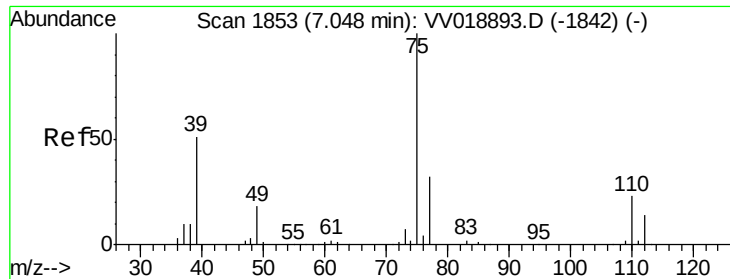


Abundance Ion 83.00 (82.70 to 83.70): VV018893.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018893.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018893.D (-1679) (-)

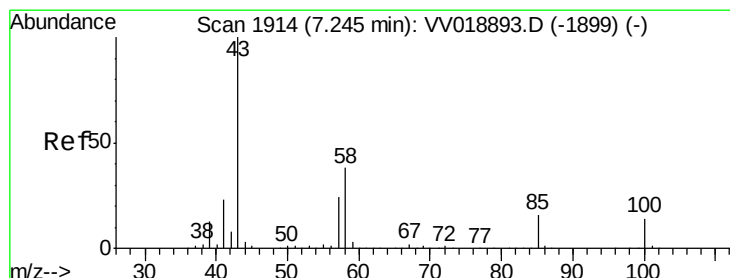
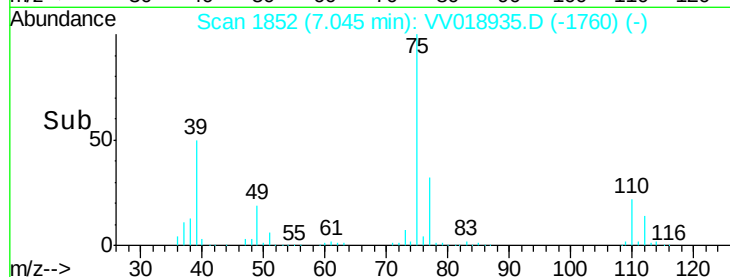
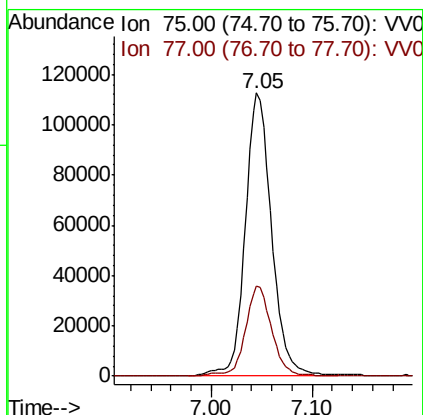
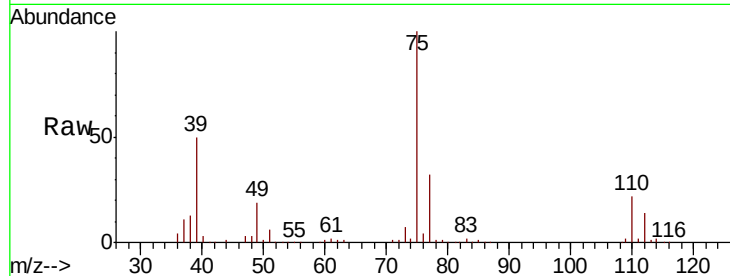




#39
 cis-1,3-Dichloropropene
 Concen: 52.153 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

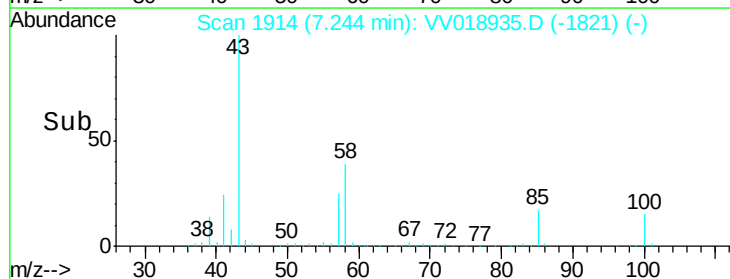
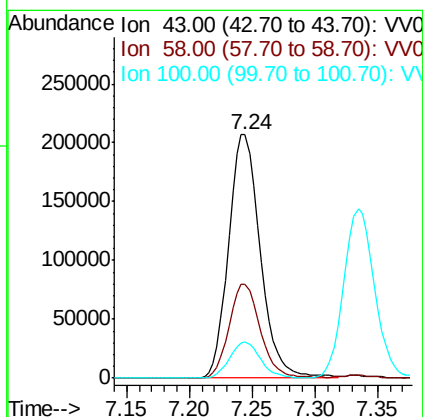
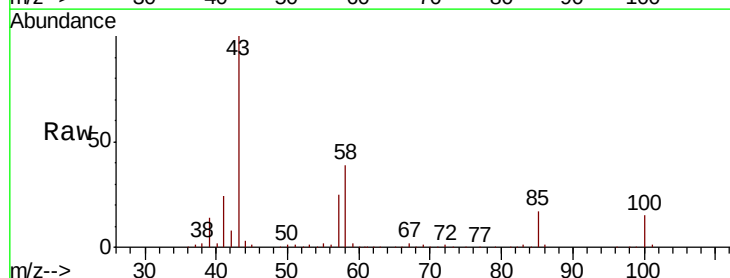
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

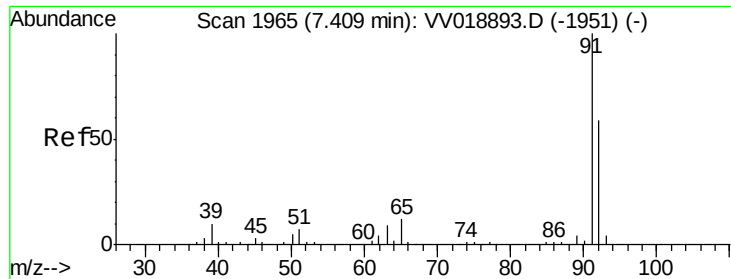
Tot Ion: 75 Resp: 202883
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 102.038 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

Tgt Ion: 43 Resp: 364305
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.5 45.7
 100 14.4 11.1 16.7





#42

Toluene

Concen: 52.351 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

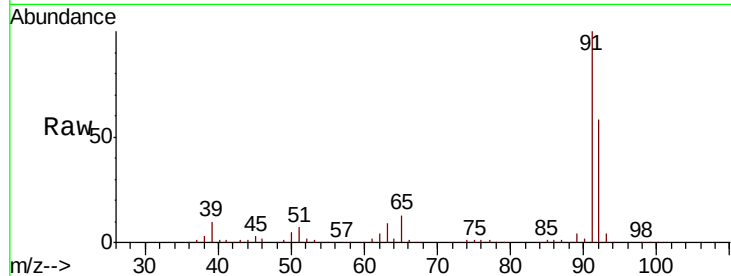
VSTD05092

Tot Ion: 91 Resp: 522906

Ion Ratio Lower Upper

91 100

92 57.8 41.2 76.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

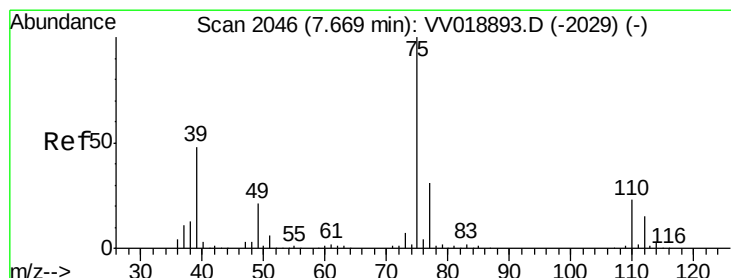
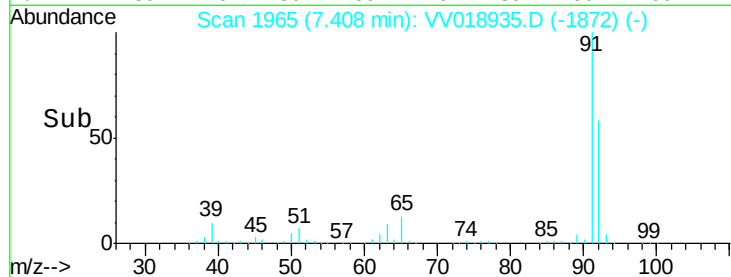
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 53.392 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018935.D

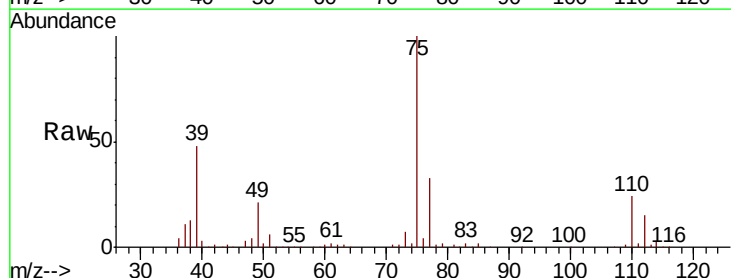
Acq: 16 Oct 2020 13:39

Tgt Ion: 75 Resp: 201277

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

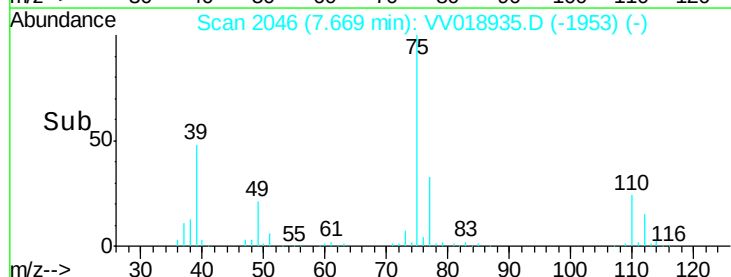
7.67

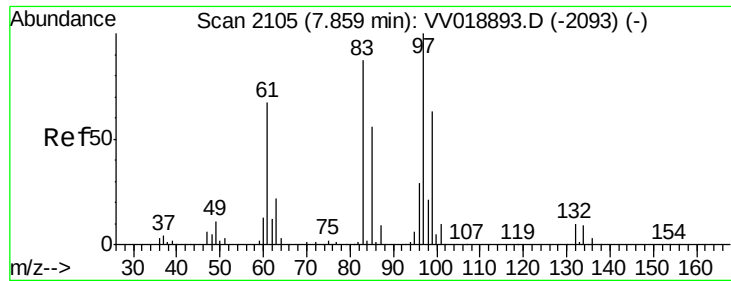
100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75

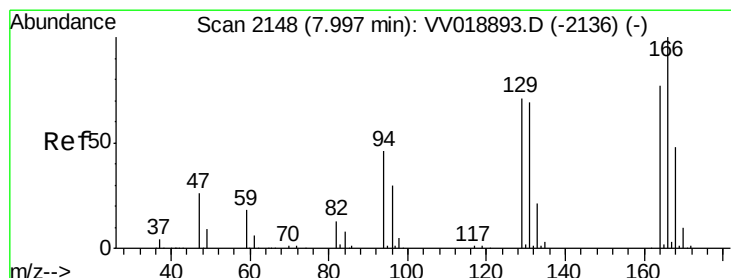
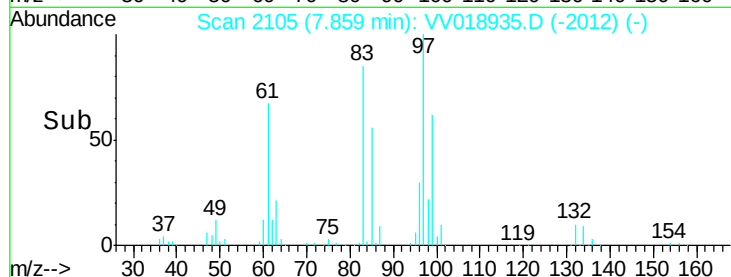
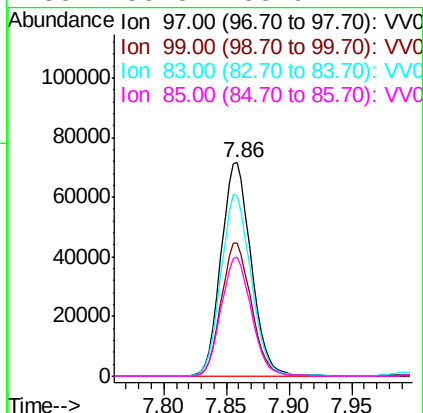
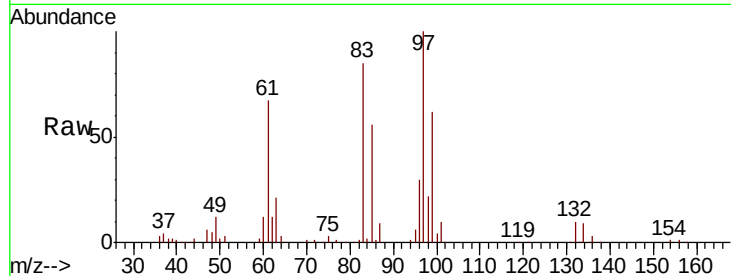




#45
 1,1,2-Trichloroethane
 Concen: 49.548 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

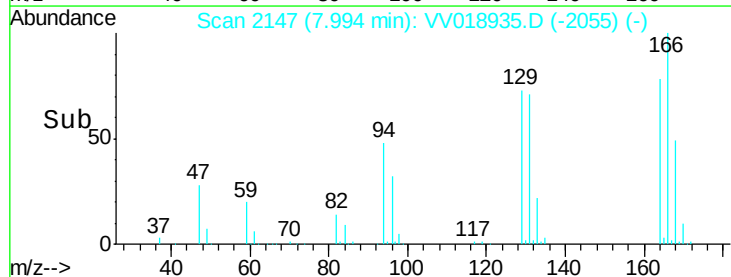
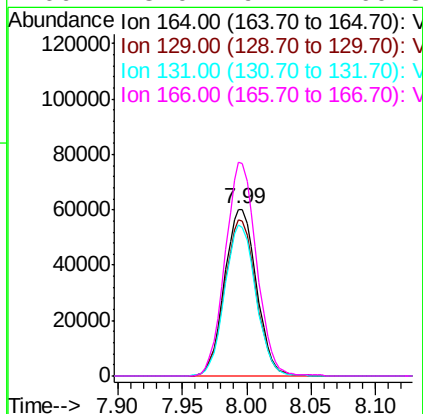
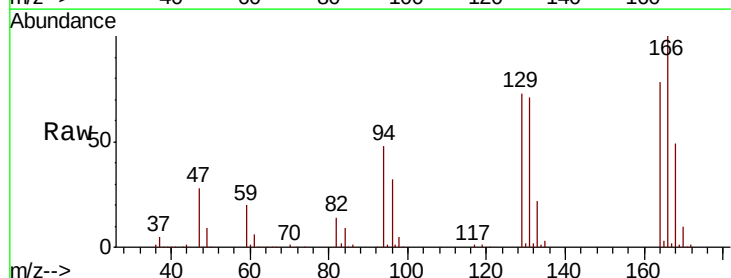
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

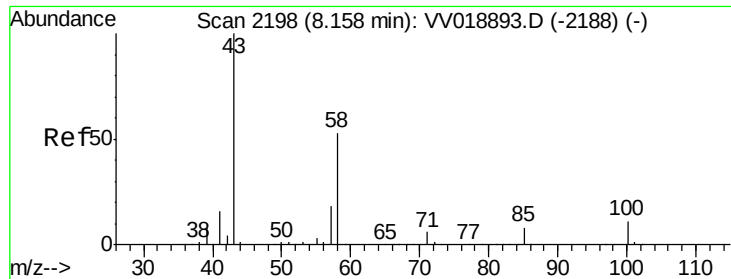
Tot Ion:	97	Resp:	119319
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.8	81.4
83	84.6	61.0	113.4
85	55.8	38.9	72.2



#46
 Tetrachloroethene
 Concen: 52.637 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

Tgt Ion:	164	Resp:	103457
Ion	Ratio	Lower	Upper
164	100		
129	93.6	65.0	120.8
131	90.6	62.9	116.7
166	128.0	91.1	169.3

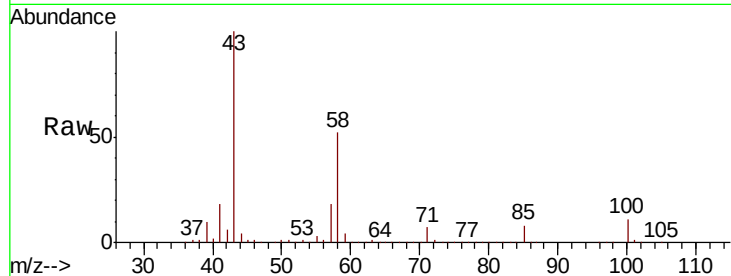




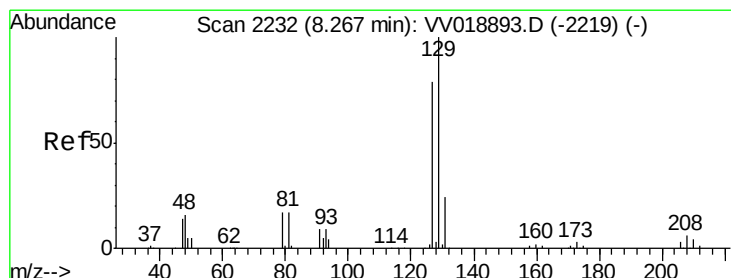
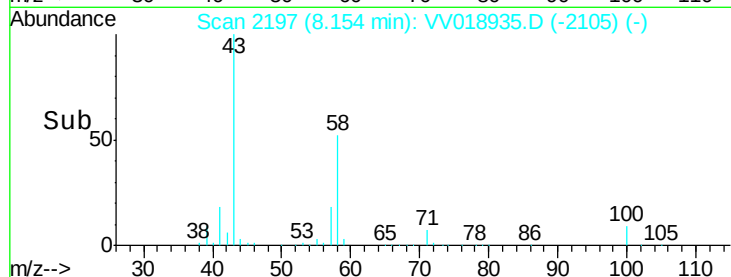
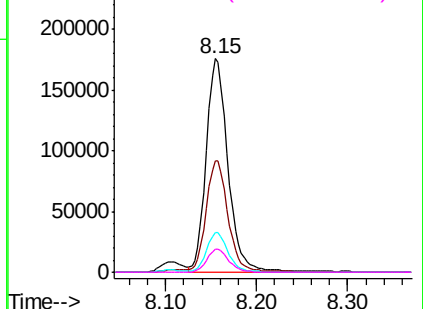
#48
2-Hexanone
Concen: 103.142 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion: 43 Resp: 291974
Ion Ratio Lower Upper
43 100
58 52.8 42.5 63.7
57 18.0 14.5 21.7
100 10.9 9.0 13.4

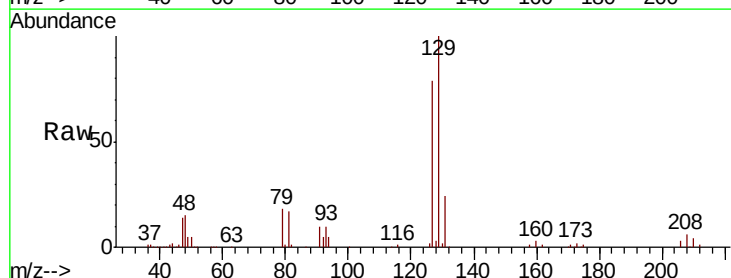


Abundance Ion 43.00 (42.70 to 43.70): VV018893.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV018893.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV018893.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV018893.D (-2188) (-)

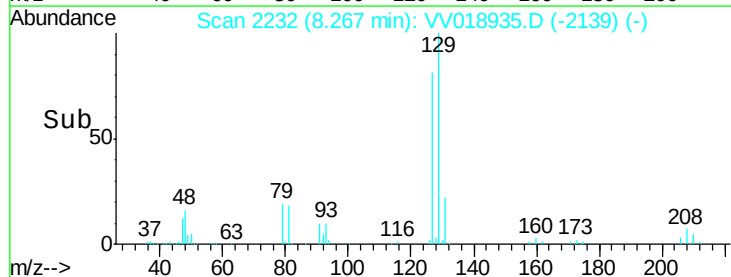
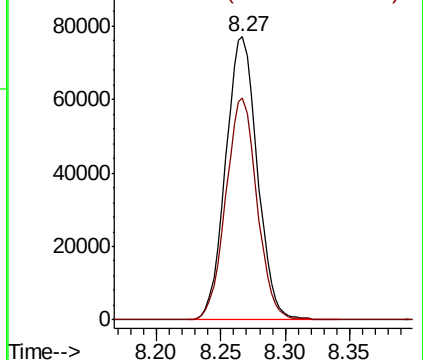


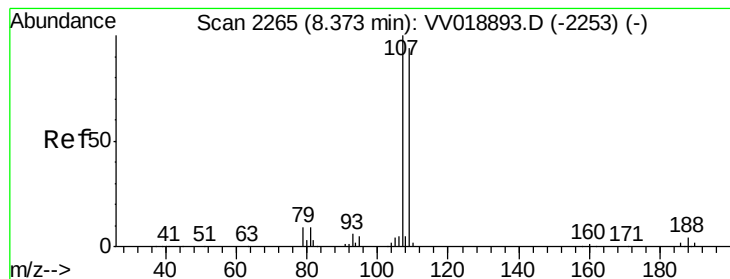
#49
Dibromochloromethane
Concen: 51.586 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018935.D
Acq: 16 Oct 2020 13:39

Tgt Ion: 129 Resp: 131520
Ion Ratio Lower Upper
129 100
127 78.6 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): VV018893.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV018893.D (-2219) (-)





#50

1,2-Dibromoethane

Concen: 49.153 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

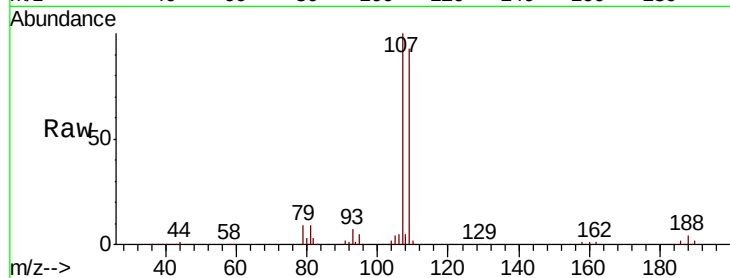
Tot Ion:107 Resp: 123359

Ion Ratio Lower Upper

107 100

109 93.2 65.8 122.2

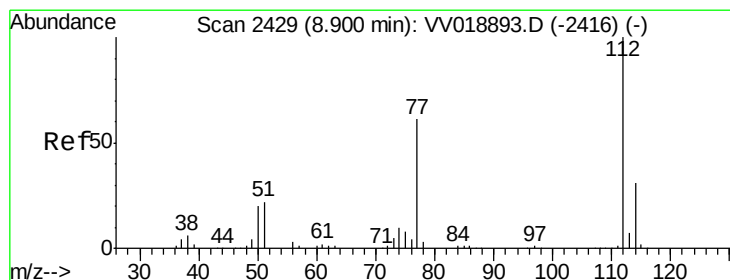
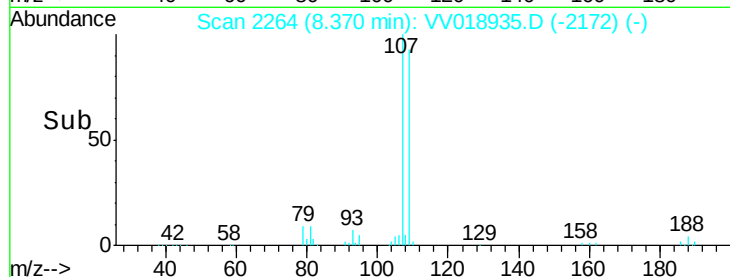
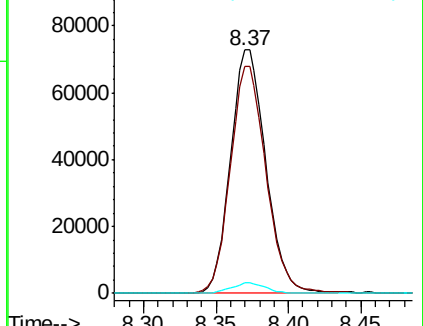
188 4.1 3.2 4.8



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: 50.413 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

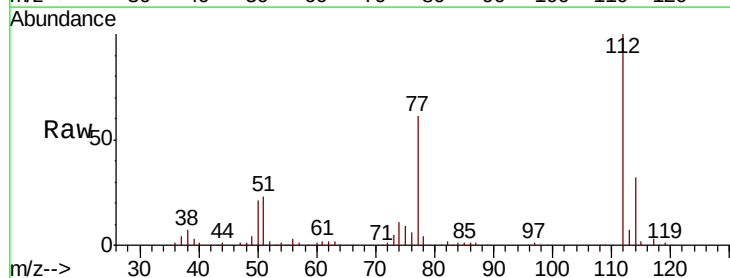
Tgt Ion:112 Resp: 328293

Ion Ratio Lower Upper

112 100

114 32.2 21.8 40.6

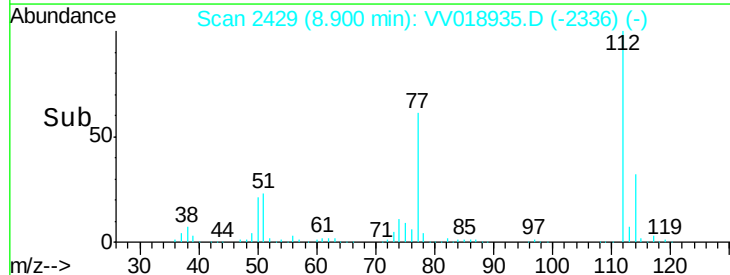
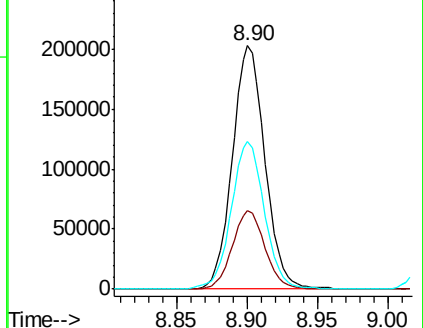
77 60.8 49.2 73.8

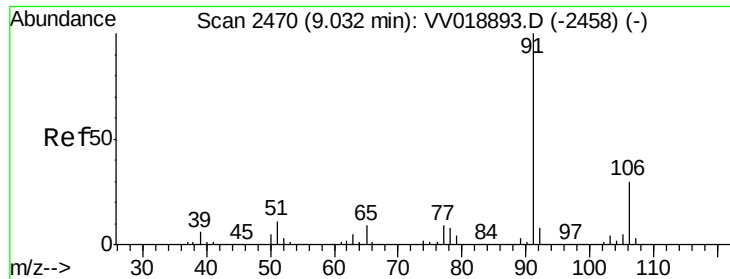


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 53.657 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

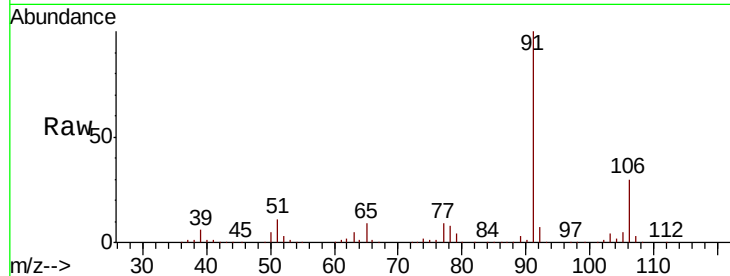
VSTD05092

Tot Ion: 91 Resp: 580186

Ion Ratio Lower Upper

91 100

106 29.9 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018893.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018893.D (-2458) (-)

9.03

400000

300000

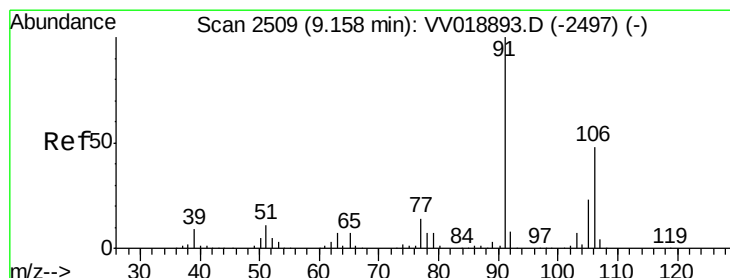
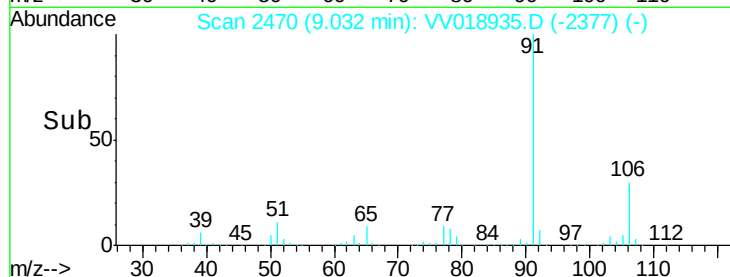
200000

100000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 53.433 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018935.D

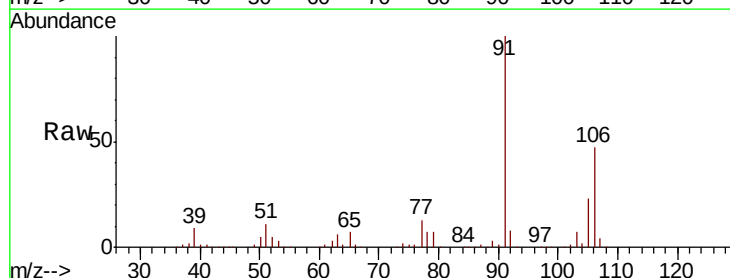
Acq: 16 Oct 2020 13:39

Tgt Ion: 106 Resp: 215249

Ion Ratio Lower Upper

106 100

91 211.4 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): VV018893.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018893.D (-2497) (-)

9.16

300000

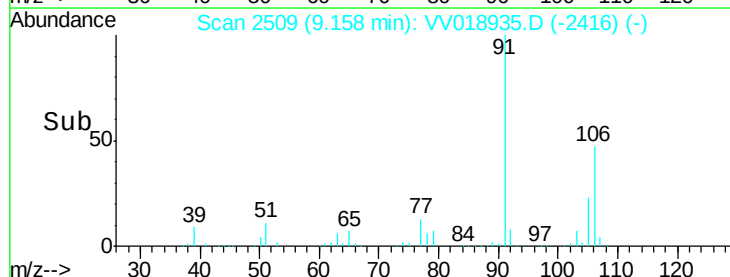
200000

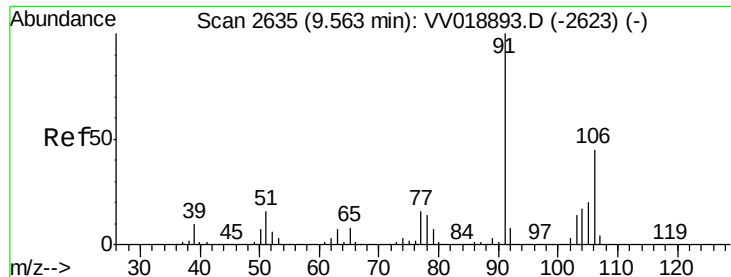
100000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 54.084 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

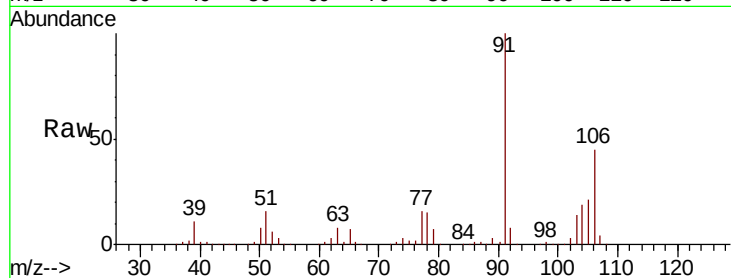
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion:106 Resp: 208440

Ion Ratio Lower Upper

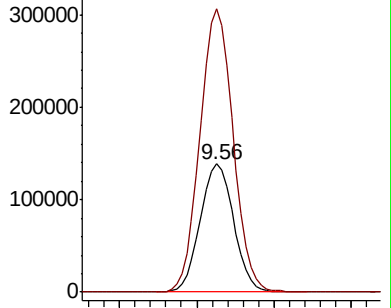
106 100

91 220.7 155.8 289.4

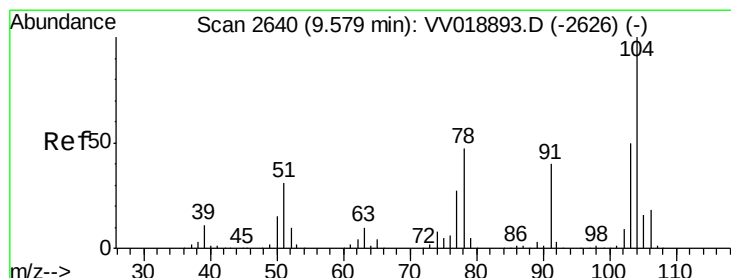
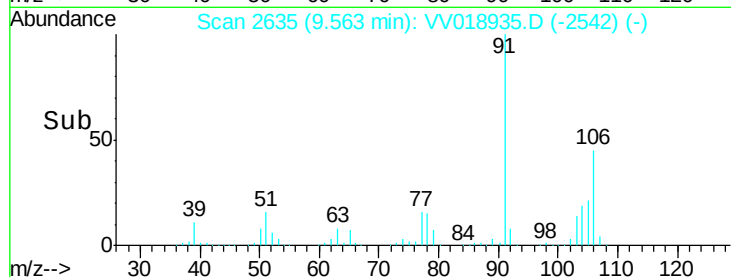


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 54.689 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018935.D

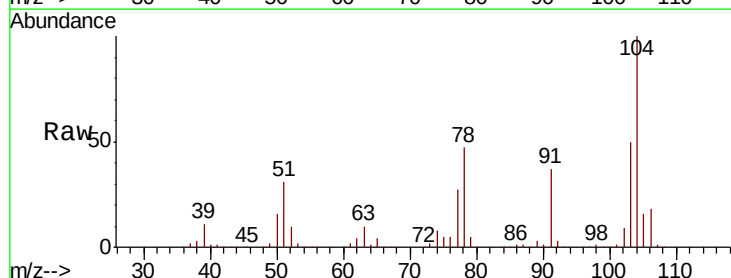
Acq: 16 Oct 2020 13:39

Tgt Ion:104 Resp: 370728

Ion Ratio Lower Upper

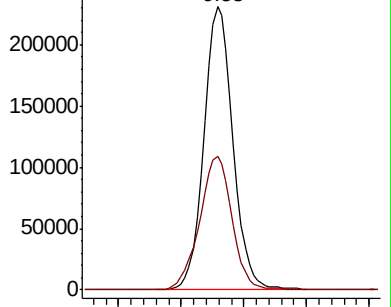
104 100

78 47.2 33.2 61.6

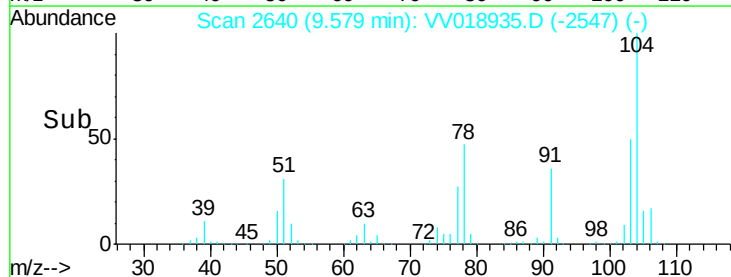


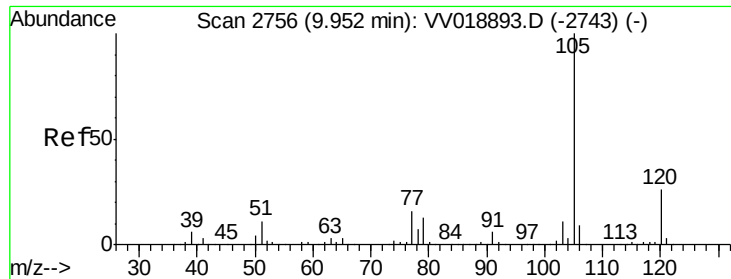
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->





#56

Isopropylbenzene

Concen: 55.312 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

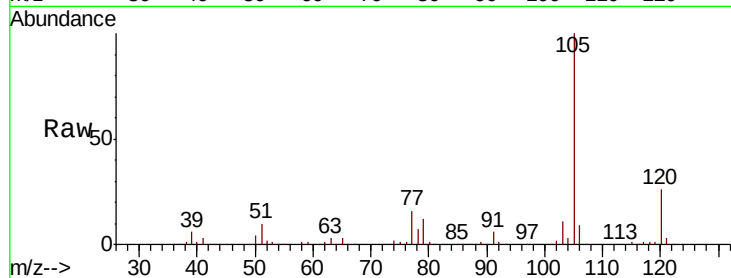
Tot Ion:105 Resp: 559634

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

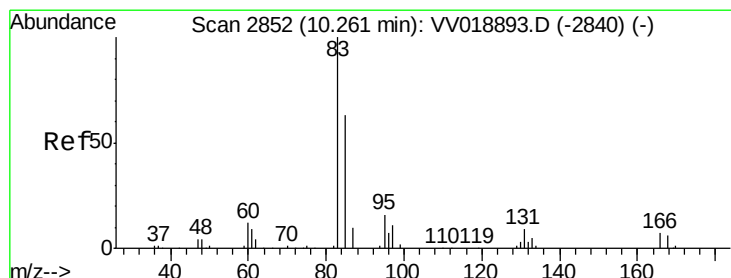
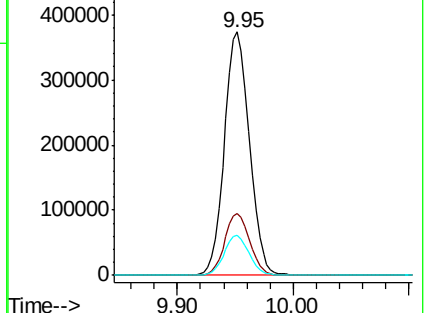
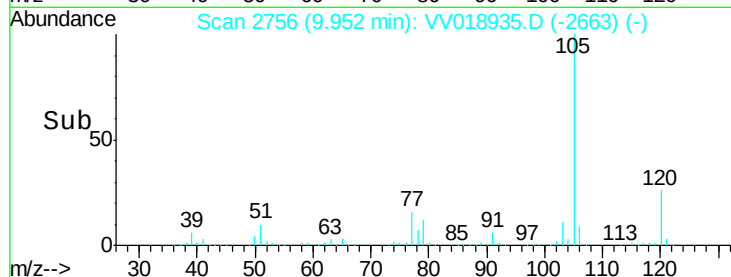
77 16.4 13.0 19.4



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: 50.406 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

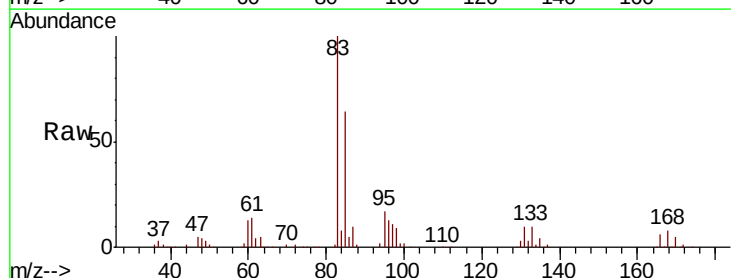
Tgt Ion: 83 Resp: 164824

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

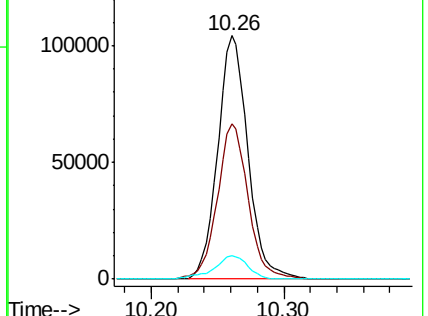
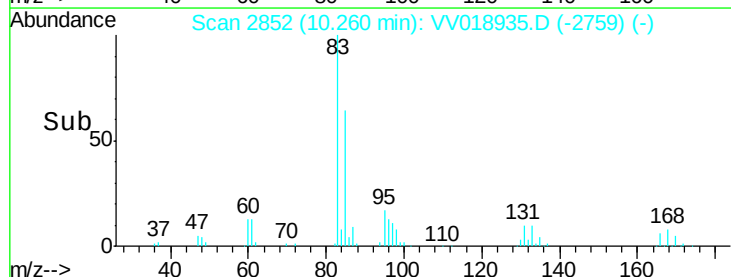
131 9.6 7.7 11.5

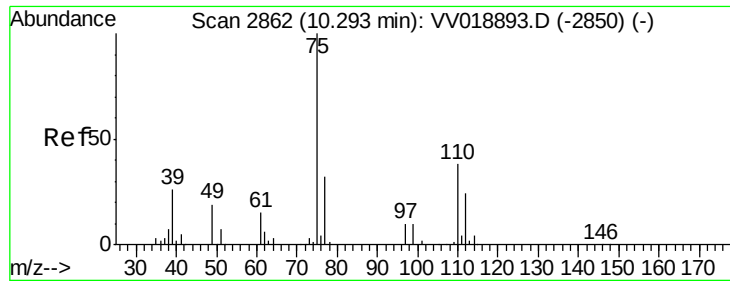


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

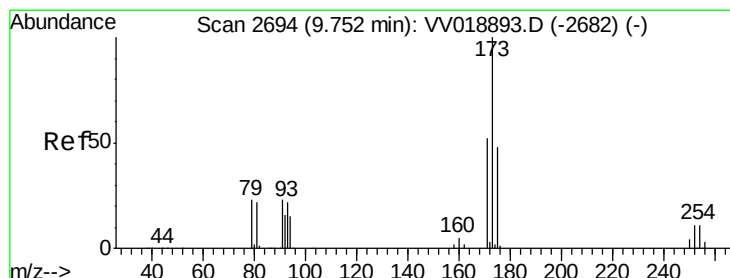
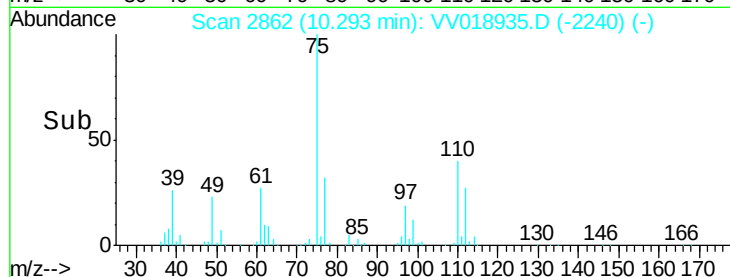
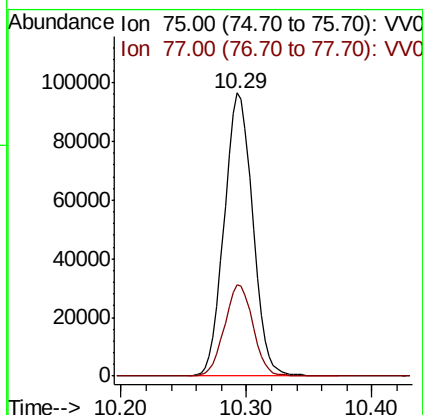
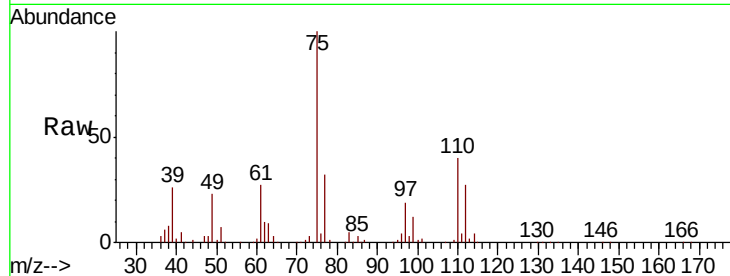




#59
 1,2,3-Trichloropropane
 Concen: 48.591 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

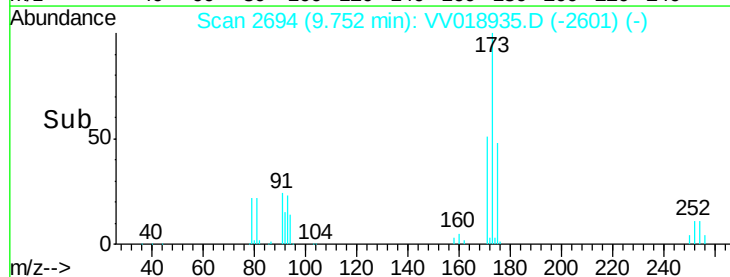
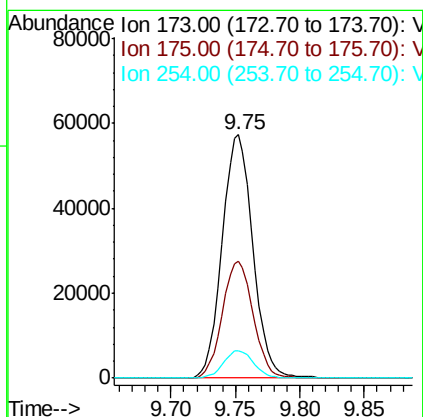
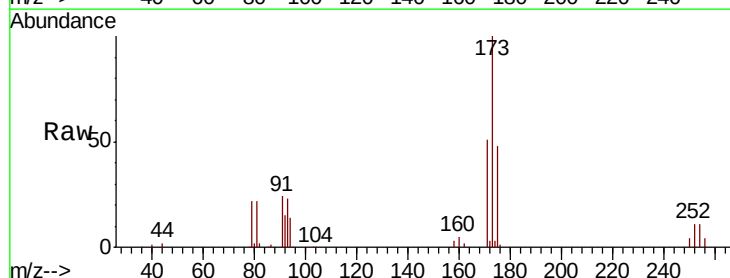
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

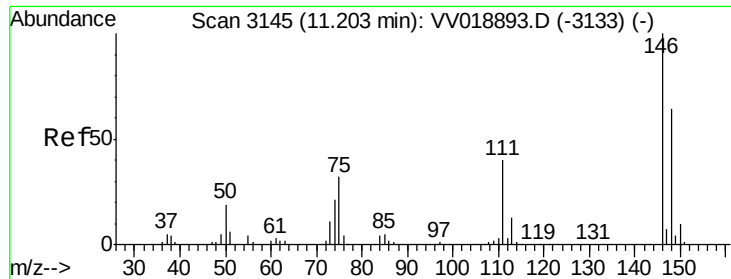
Tot Ion: 75 Resp: 152276
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2



#61
 Bromoform
 Concen: 51.533 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

Tgt Ion: 173 Resp: 94798
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.2 57.2
 254 11.1 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 51.181 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

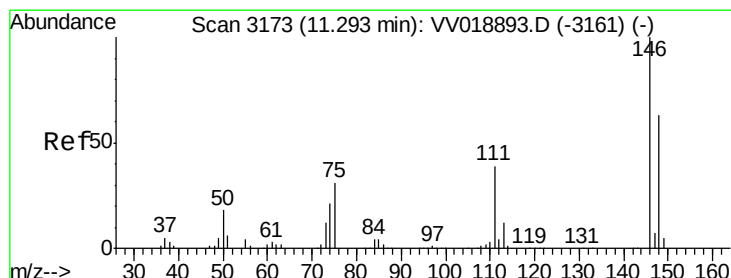
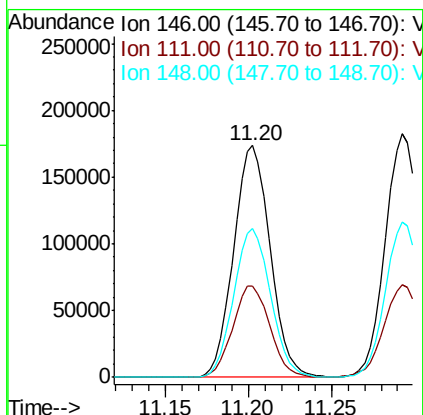
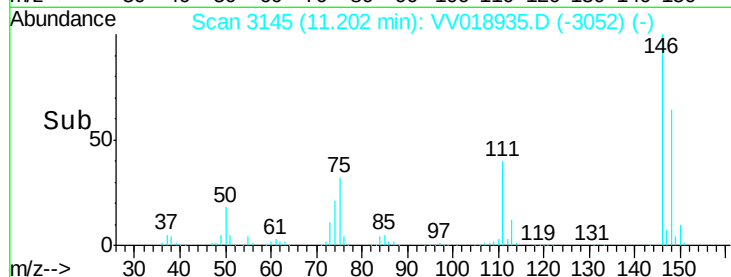
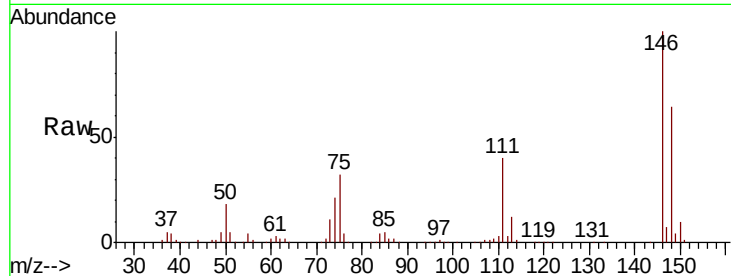
Tot Ion:146 Resp: 267188

Ion Ratio Lower Upper

146 100

111 39.6 28.3 52.7

148 64.3 45.1 83.7



#63

1,4-Dichlorobenzene

Concen: 50.266 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

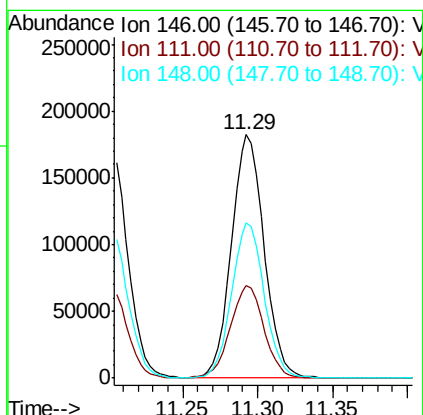
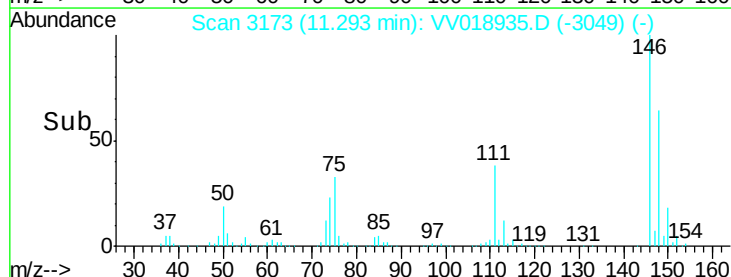
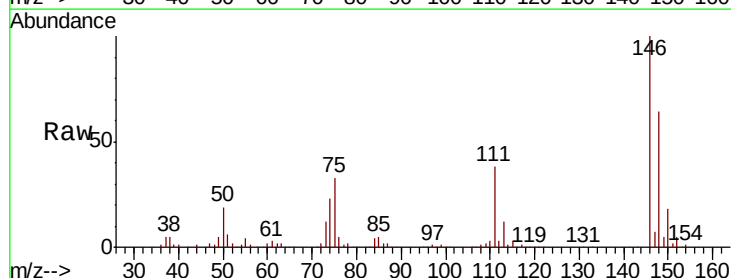
Tgt Ion:146 Resp: 275888

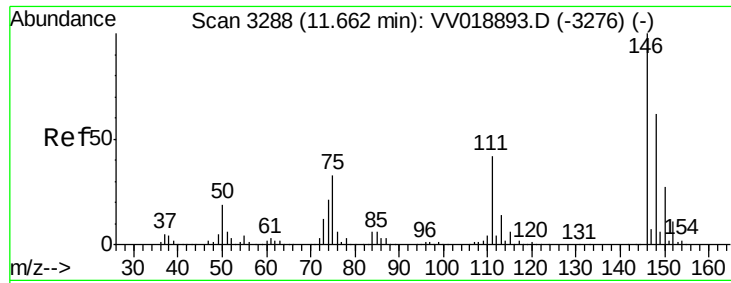
Ion Ratio Lower Upper

146 100

111 38.1 27.5 51.1

148 64.0 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 50.694 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

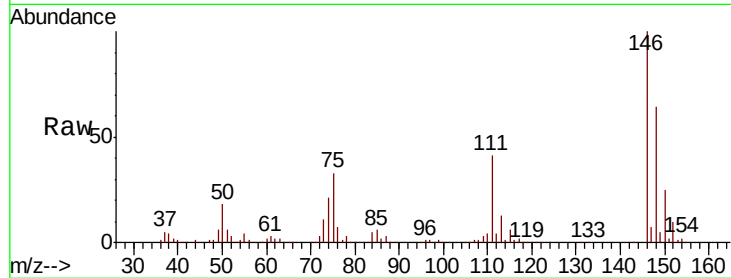
Tot Ion:146 Resp: 267005

Ion Ratio Lower Upper

146 100

111 41.1 33.9 50.9

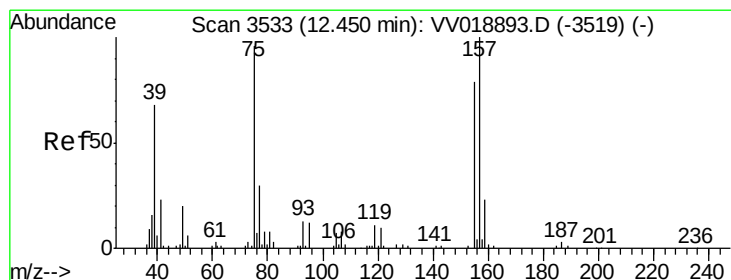
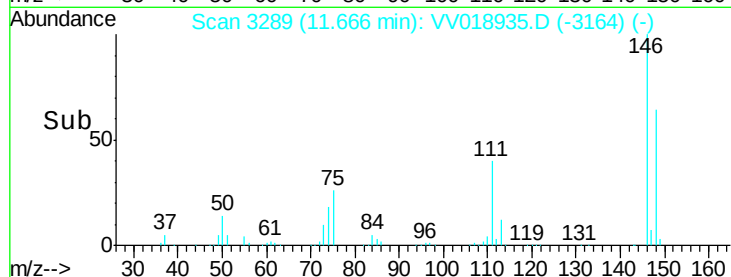
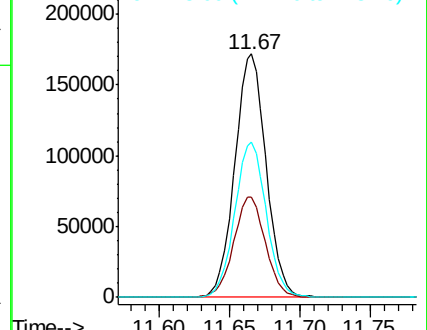
148 63.8 49.8 74.8



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: 48.122 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

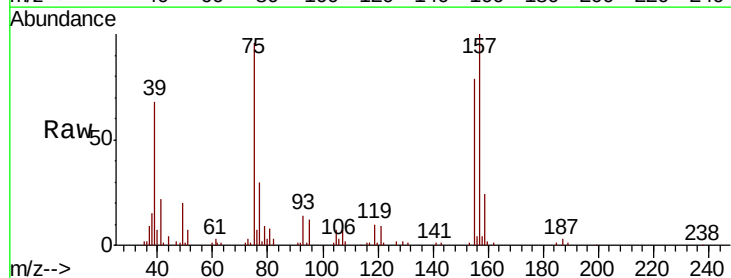
Tgt Ion: 75 Resp: 37771

Ion Ratio Lower Upper

75 100

155 83.0 65.7 98.5

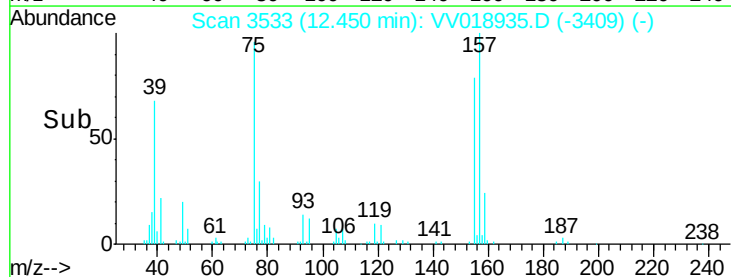
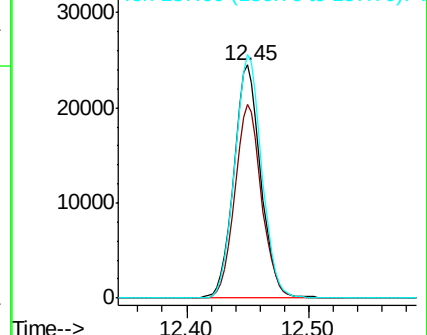
157 104.4 83.0 124.4

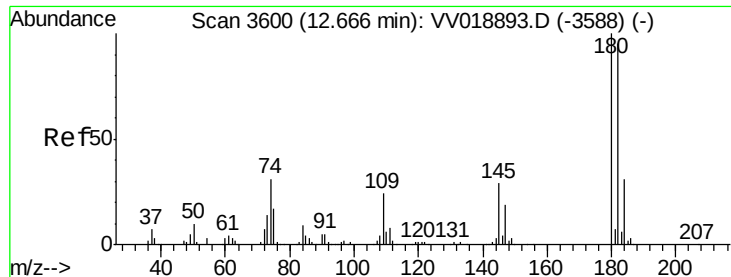


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

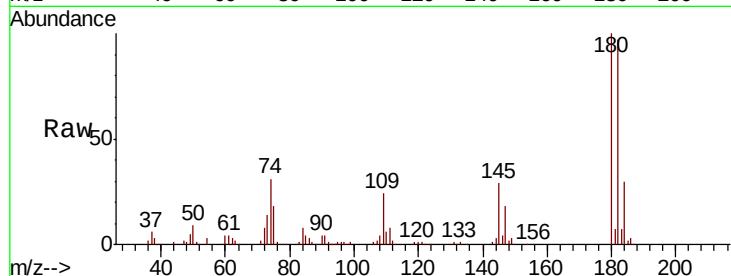




#67
 1,3,5-Trichlorobenzene
 Concen: 52.219 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
184	30.2	24.9	37.3
145	29.1	23.2	34.8

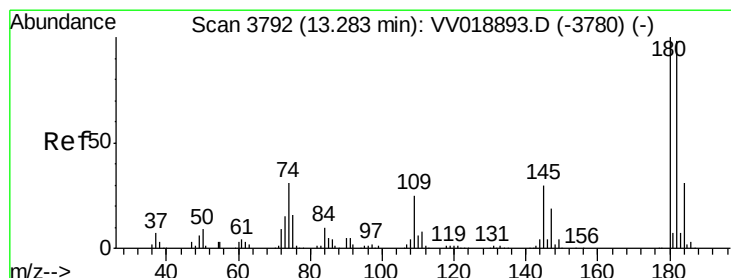
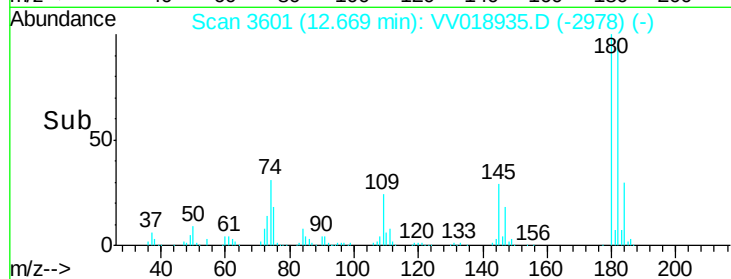
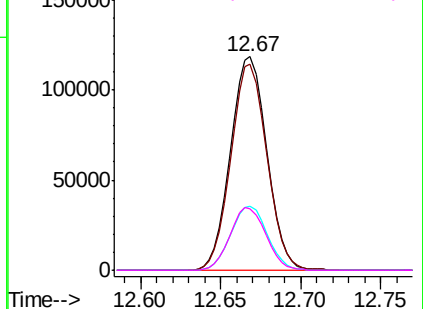


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

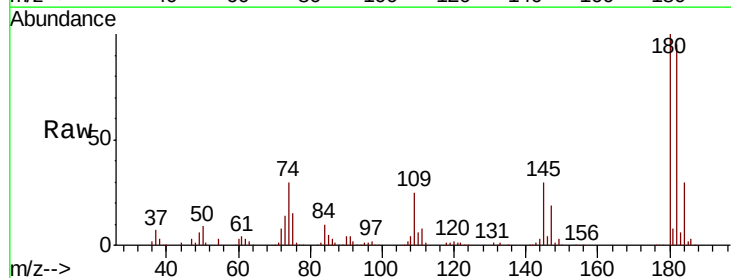
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.079 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018935.D
 Acq: 16 Oct 2020 13:39

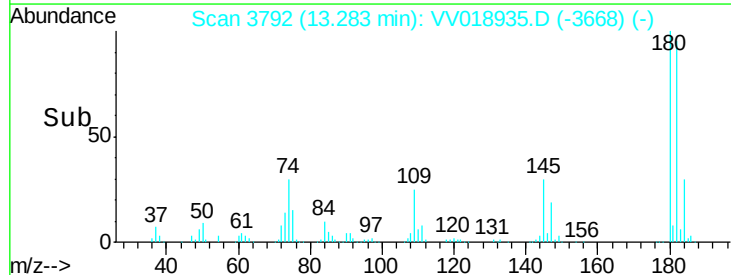
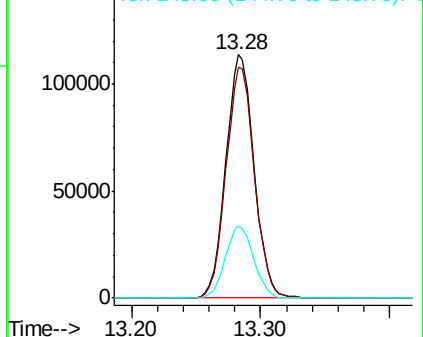
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.5	114.7
145	29.7	23.7	35.5

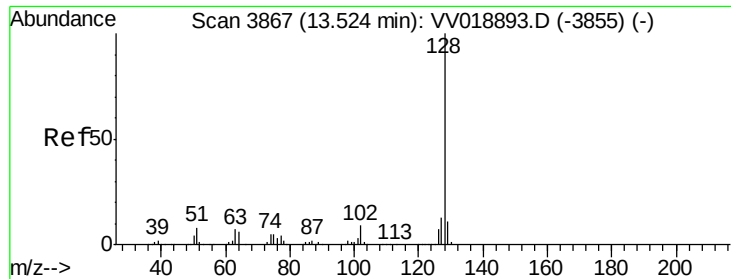


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.434 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Instrument :

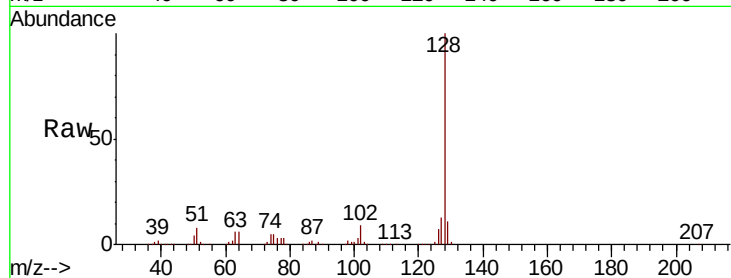
MSVOA_V

ClientSampleId :

VSTD05092

Tot Ion:128 Resp: 499187

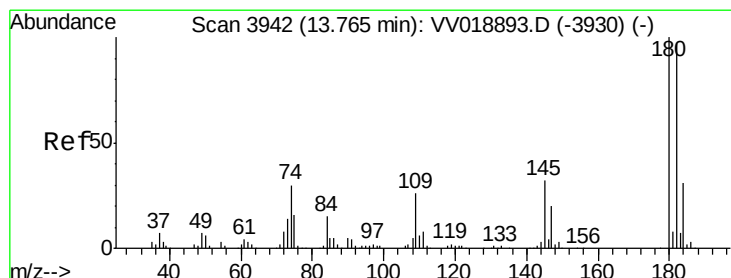
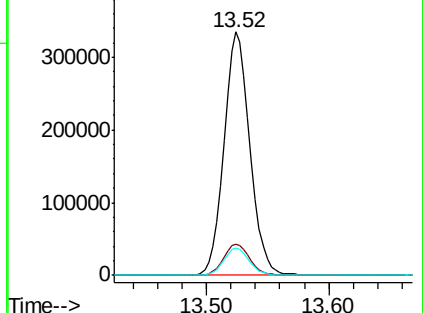
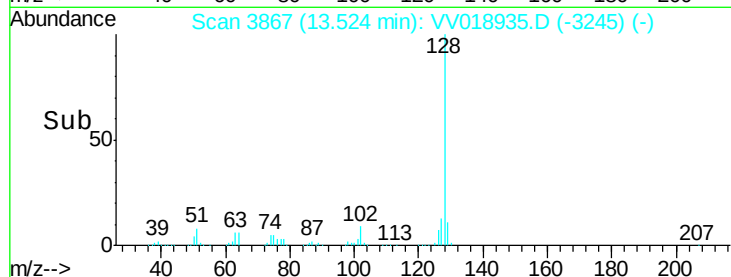
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	11.0	8.9	13.3



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: 53.622 ug/L

RT: 13.77 min Scan# 3942

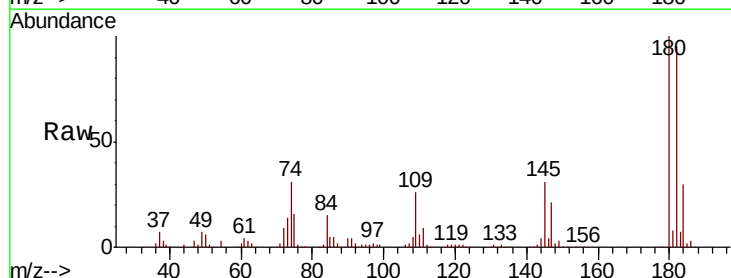
Delta R.T. -0.00 min

Lab File: VV018935.D

Acq: 16 Oct 2020 13:39

Tgt Ion:180 Resp: 173200

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	31.4	25.4	38.0



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

