

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018415.D
 Acq On : 23 Sep 2020 16:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

Quant Time: Sep 24 07:58:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:48:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	304567	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	300729	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	166075	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85878	45.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.90%
7) Chloroethane-d5	1.58	69	74721	45.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.86%
11) 1,1-Dichloroethene-d2	2.12	63	181216	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
21) 2-Butanone-d5	3.91	46	134454	99.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.25%
24) Chloroform-d	4.37	84	186941	47.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.34%
26) 1,2-Dichloroethane-d4	5.05	65	117352	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
32) Benzene-d6	5.07	84	362213	48.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.68%
36) 1,2-Dichloropropane-d6	6.09	67	116011	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.02%
41) Toluene-d8	7.33	98	338948	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.64	79	59682	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.42%
47) 2-Hexanone-d5	8.11	63	96566	107.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.44%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	153475	48.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.90%
66) 1,2-Dichlorobenzene-d4	11.65	152	146804	47.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	103587	46.083	ug/L 100
3) Chloromethane	1.25	50	114380	45.875	ug/L 100
5) Vinyl chloride	1.32	62	116114	45.513	ug/L 100
6) Bromomethane	1.53	94	73995	45.644	ug/L 99
8) Chloroethane	1.60	64	73749	44.856	ug/L 100
9) Trichlorofluoromethane	1.76	101	167545	46.185	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103708	46.631	ug/L 99
12) 1,1-Dichloroethene	2.13	96	96775	45.757	ug/L 92
13) Acetone	2.20	43	134815	78.681	ug/L 99
14) Carbon disulfide	2.31	76	276326	46.015	ug/L 100
15) Methyl Acetate	2.45	43	105185	46.516	ug/L 98
16) Methylene chloride	2.52	84	109911	45.902	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	99493	46.475	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	314177	47.217	ug/L 99
19) 1,1-Dichloroethane	3.21	63	190629	45.867	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	108785	47.128	ug/L 96
22) 2-Butanone	4.00	43	153229	90.089	ug/L 100

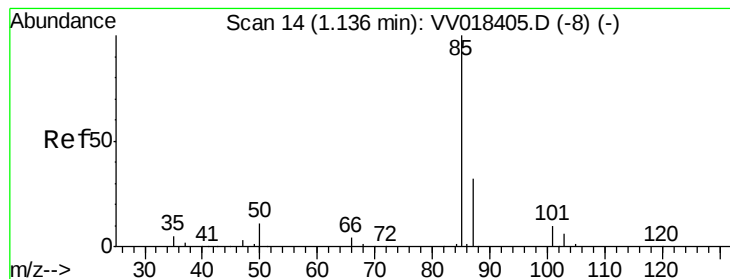
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
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 QLast Update : Thu Sep 24 07:48:50 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	57437	46.465	ug/L	97
25) Chloroform	4.40	83	194996	46.407	ug/L	100
27) 1,2-Dichloroethane	5.15	62	149086	45.790	ug/L	100
29) Cyclohexane	4.70	56	171850	49.101	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	170402	46.070	ug/L	99
31) Carbon tetrachloride	4.85	117	148830	46.156	ug/L	100
33) Benzene	5.12	78	424484	47.130	ug/L	100
34) Trichloroethene	5.94	95	113424	45.809	ug/L	98
35) Methylcyclohexane	6.15	83	175252	48.750	ug/L	100
37) 1,2-Dichloropropane	6.19	63	112818	47.372	ug/L	99
38) Bromodichloromethane	6.53	83	144321	46.304	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	173492	48.561	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	277965	98.347	ug/L	100
42) Toluene	7.41	91	456220	48.282	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	170519	48.138	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	104631	46.653	ug/L	99
46) Tetrachloroethene	7.99	164	91245	47.062	ug/L	98
48) 2-Hexanone	8.16	43	227682	95.051	ug/L	99
49) Dibromochloromethane	8.27	129	117973	47.249	ug/L	100
50) 1,2-Dibromoethane	8.37	107	108934	46.656	ug/L	98
51) Chlorobenzene	8.90	112	295671	46.825	ug/L	100
52) Ethylbenzene	9.03	91	504284	48.494	ug/L	99
53) m,p-Xylene	9.16	106	191408	49.294	ug/L	100
54) o-Xylene	9.56	106	184902	49.424	ug/L	96
55) Styrene	9.58	104	326685	49.922	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	155045	47.417	ug/L	98
59) Bromoform	9.75	173	85744	46.188	ug/L	99
60) Isopropylbenzene	9.95	105	505731	49.407	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	132792	46.078	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	420186	50.714	ug/L	100
63) 1,2,4-Trimethylbenzene	10.93	105	429350	50.472	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	248556	47.779	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	253888	46.567	ug/L	99
67) 1,2-Dichlorobenzene	11.66	146	245121	46.863	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	34307	47.115	ug/L	97
69) 1,3,5-Trichlorobenzene	12.67	180	194401	47.919	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	177853	48.930	ug/L	98
71) Naphthalene	13.52	128	488958	51.862	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	180618	49.442	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 46.083 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

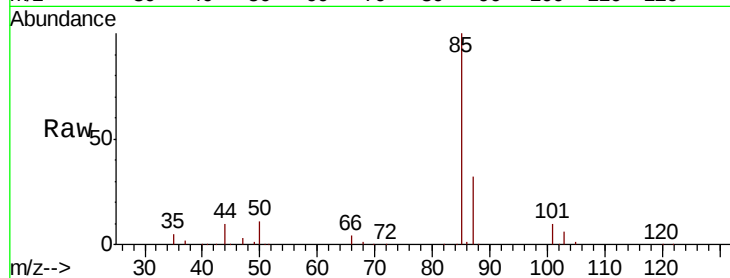
VSTD050308

Tot Ion: 85 Resp: 103587

Ion Ratio Lower Upper

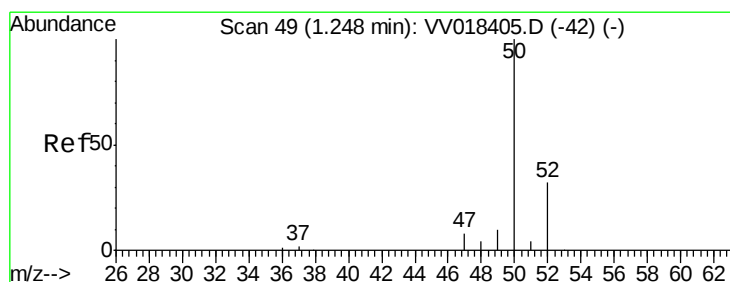
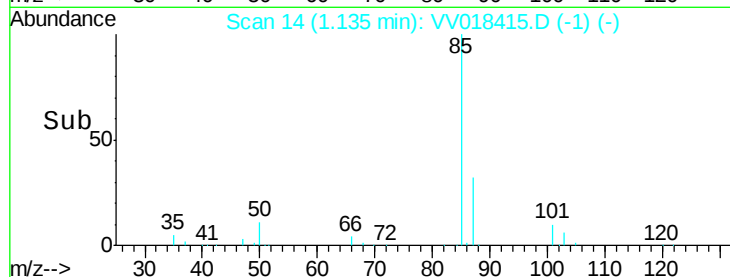
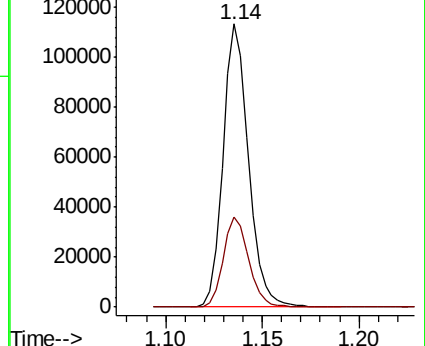
85 100

87 32.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 45.875 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018415.D

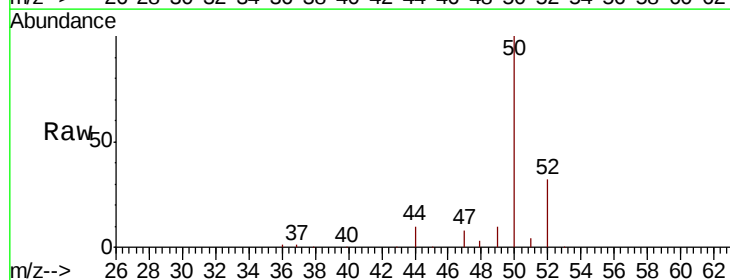
Acq: 23 Sep 2020 16:14

Tgt Ion: 50 Resp: 114380

Ion Ratio Lower Upper

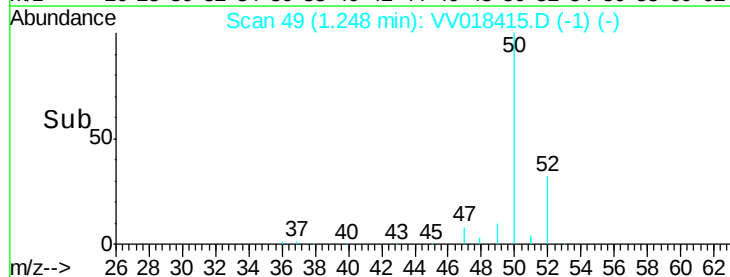
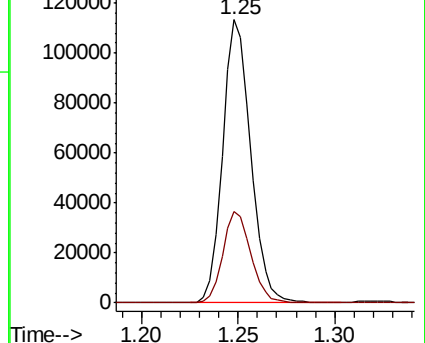
50 100

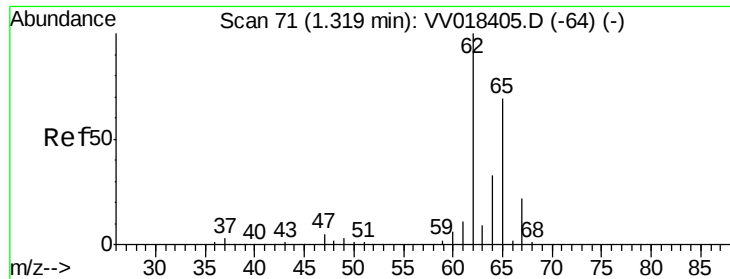
52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 45.513 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

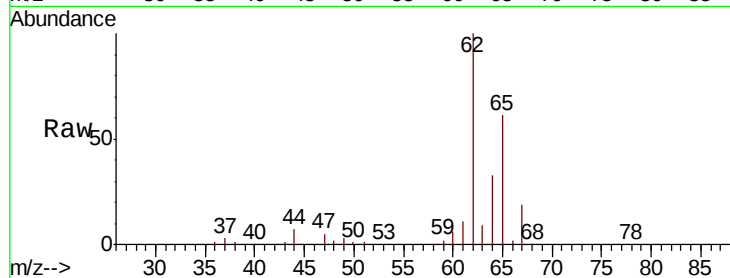
VSTD050308

Tot Ion: 62 Resp: 116114

Ion Ratio Lower Upper

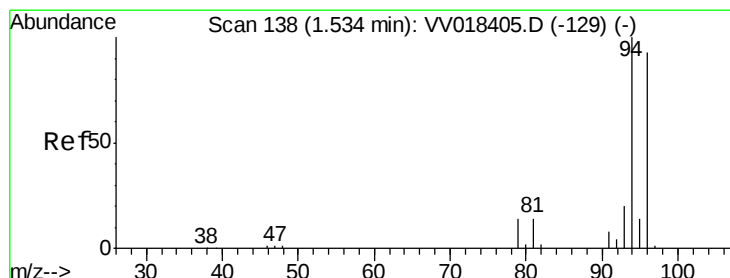
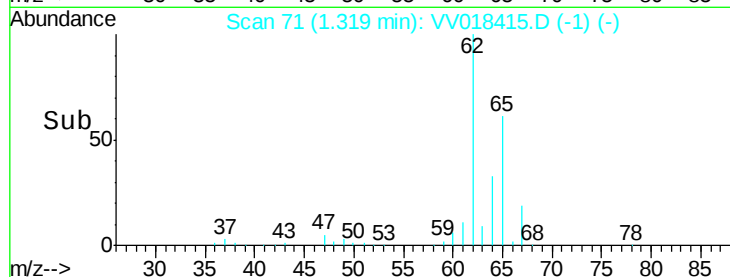
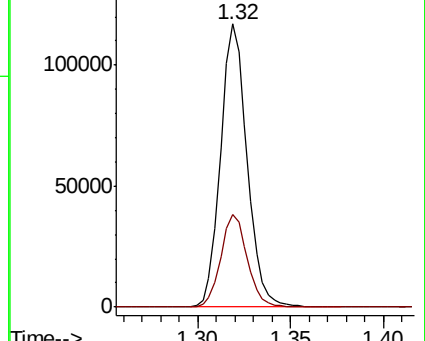
62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.644 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018415.D

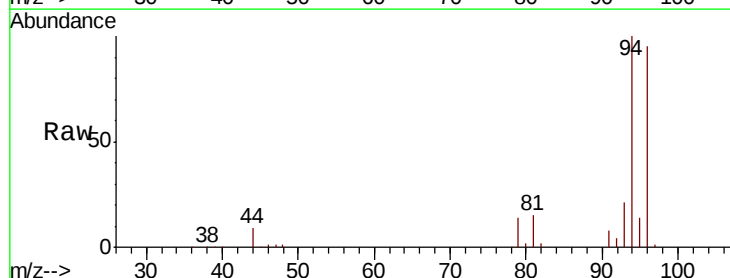
Acq: 23 Sep 2020 16:14

Tgt Ion: 94 Resp: 73995

Ion Ratio Lower Upper

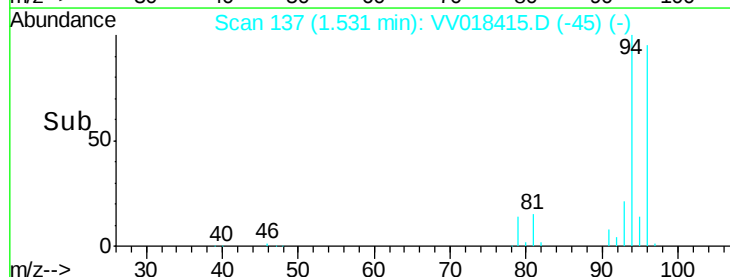
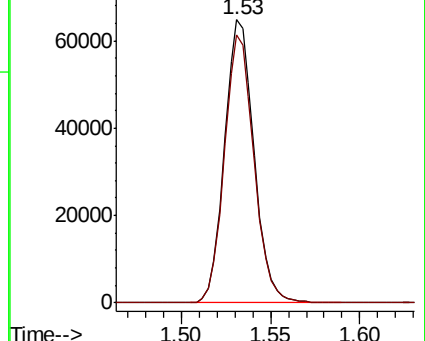
94 100

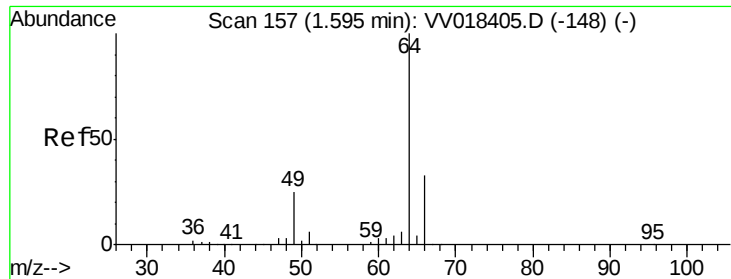
96 94.8 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 44.856 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

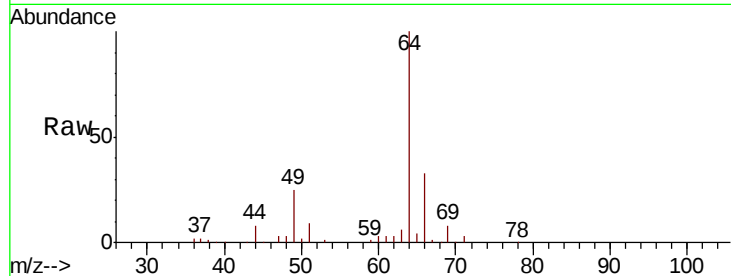
VSTD050308

Tot Ion: 64 Resp: 73749

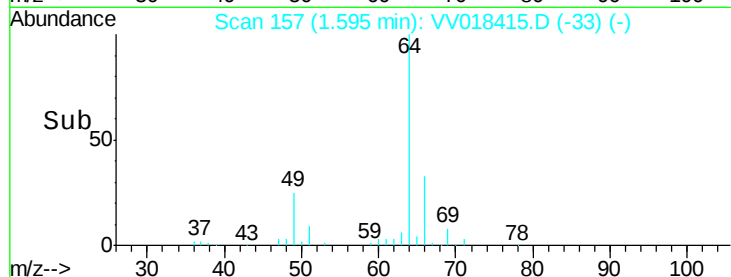
Ion Ratio Lower Upper

64 100

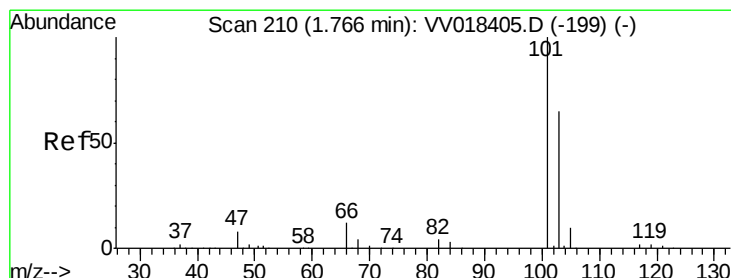
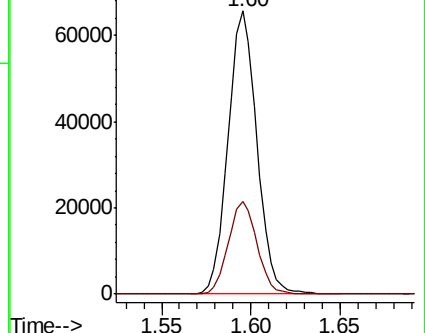
66 32.9 23.0 42.6



Abundance Ion 64.00 (63.70 to 64.70): VV018415.D (-33) (-)



Ion 66.00 (65.70 to 66.70): VV018415.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 46.185 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018415.D

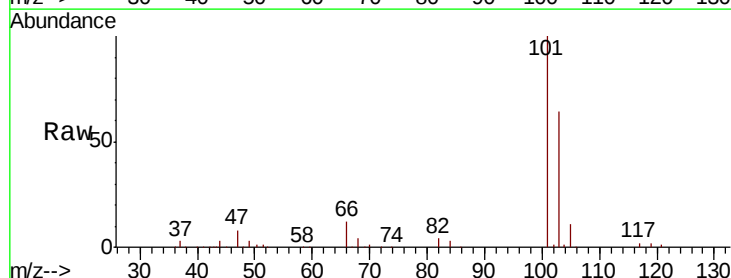
Acq: 23 Sep 2020 16:14

Tgt Ion: 101 Resp: 167545

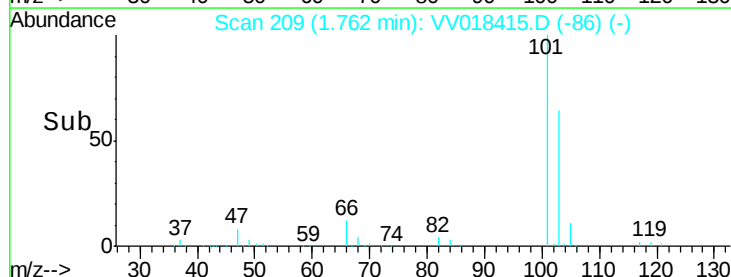
Ion Ratio Lower Upper

101 100

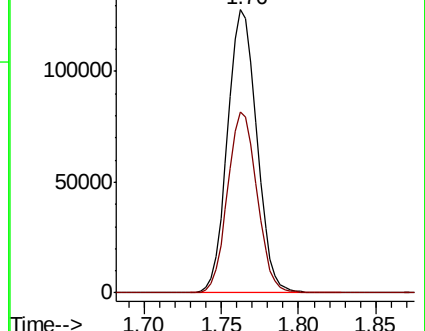
103 64.3 52.1 78.1

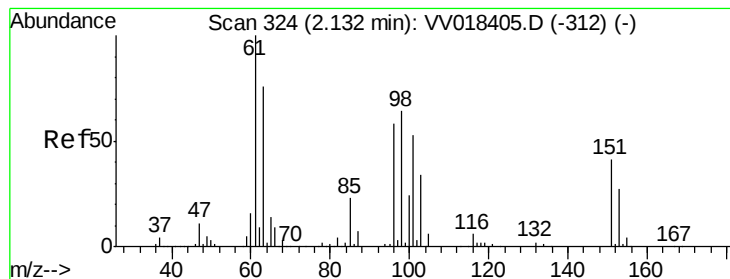


Abundance Ion 101.00 (100.70 to 101.70): VV018415.D (-86) (-)



Ion 103.00 (102.70 to 103.70): VV018415.D (-86) (-)





#10

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

Concen: 46.631 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050308

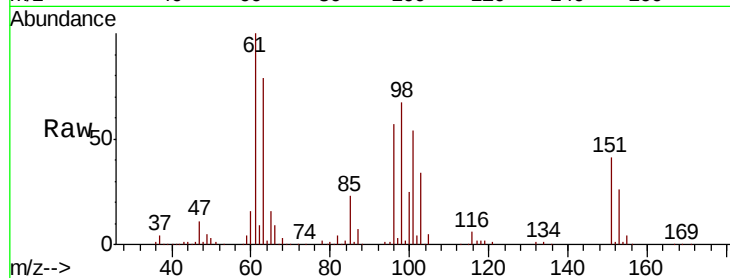
Tot Ion:101 Resp: 103708

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

151 76.7 62.4 93.6



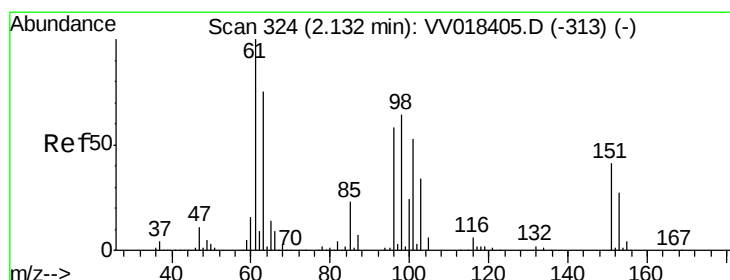
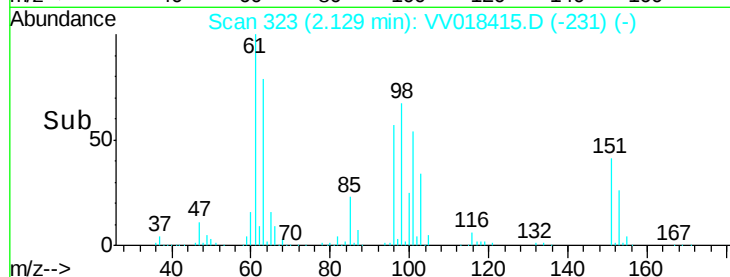
Abundance Ion 101.00 (100.70 to 101.70): VV018415.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018415.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018415.D (-231) (-)

2.13

Time--> 2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 45.757 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

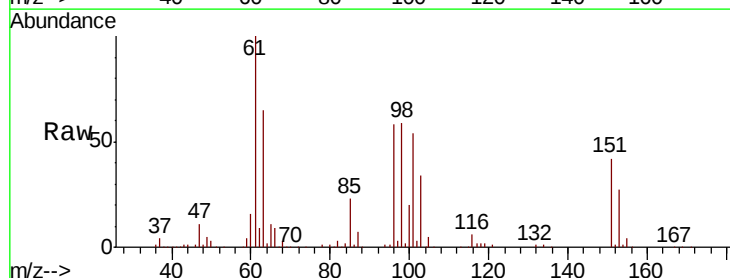
Tgt Ion: 96 Resp: 96775

Ion Ratio Lower Upper

96 100

61 172.2 121.0 224.8

63 111.5 93.0 172.6



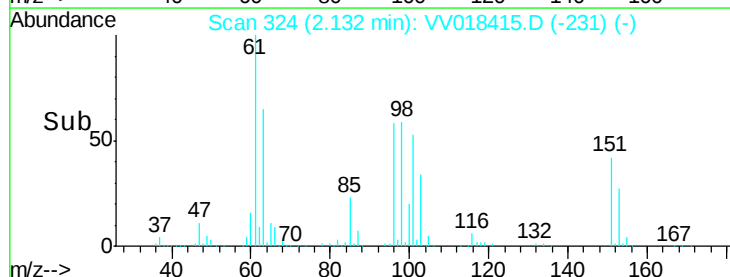
Abundance Ion 96.00 (95.70 to 96.70): VV018415.D (-231) (-)

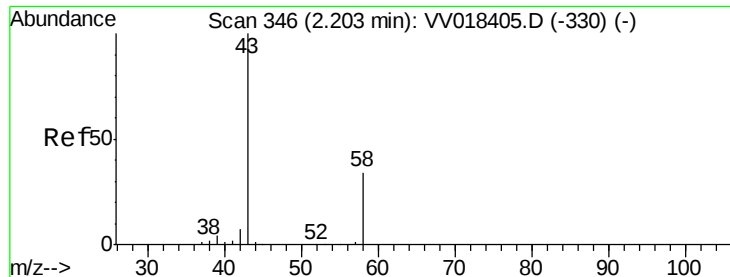
Ion 61.00 (60.70 to 61.70): VV018415.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018415.D (-231) (-)

2.13

Time--> 2.05 2.10 2.15 2.20





#13

Acetone

Concen: 78.681 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

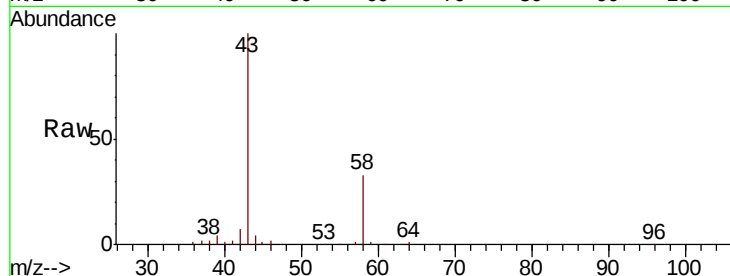
VSTD050308

Tot Ion: 43 Resp: 134815

Ion Ratio Lower Upper

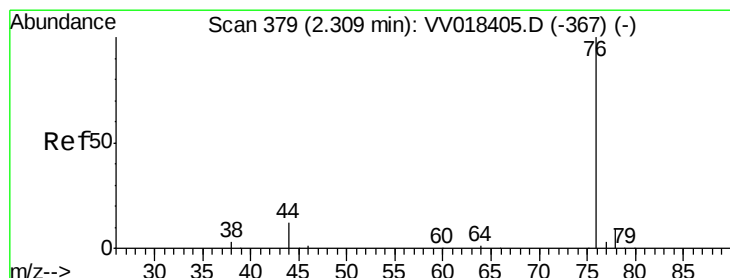
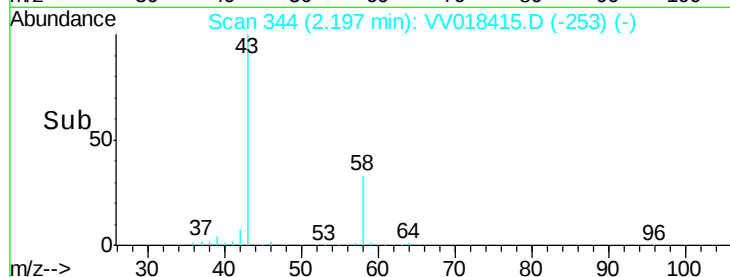
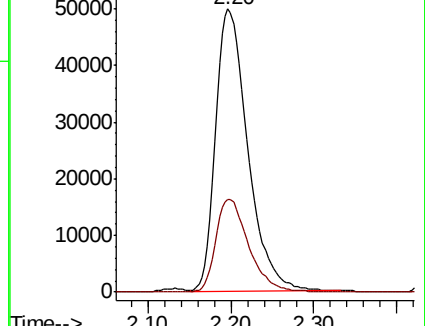
43 100

58 33.5 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018415.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VV018415.D (-253) (-)



#14

Carbon disulfide

Concen: 46.015 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018415.D

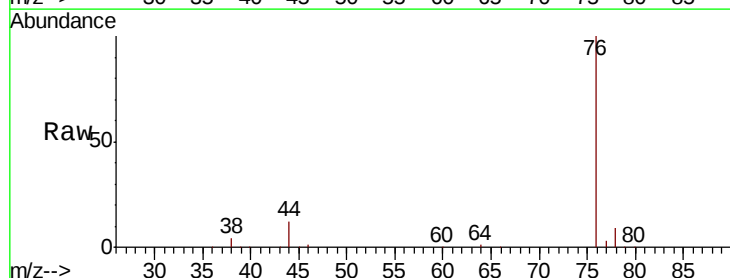
Acq: 23 Sep 2020 16:14

Tgt Ion: 76 Resp: 276326

Ion Ratio Lower Upper

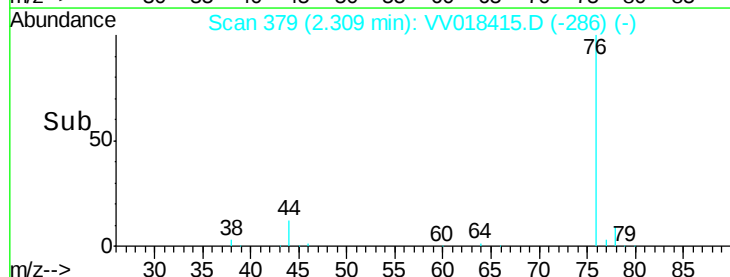
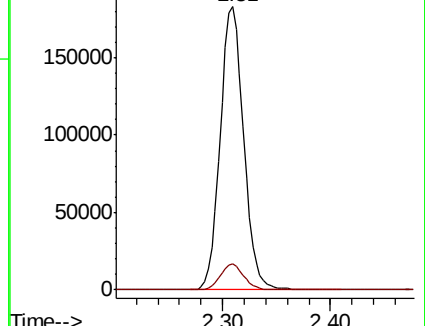
76 100

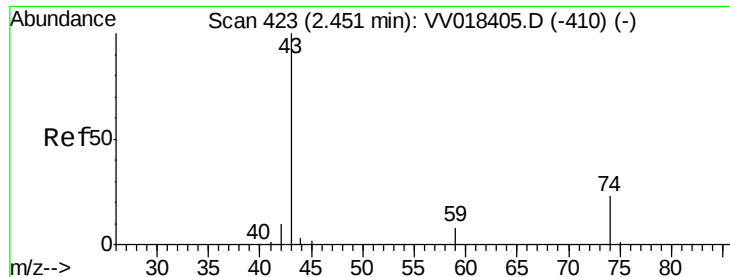
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018415.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018415.D (-286) (-)





#15

Methvl Acetate

Concen: 46.516 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

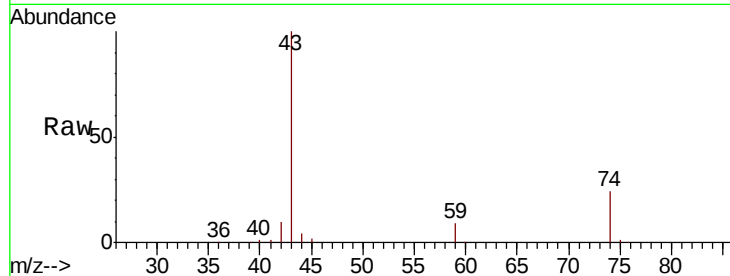
VSTD050308

Tot Ion: 43 Resp: 105185

Ion Ratio Lower Upper

43 100

74 23.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

60000

50000

40000

30000

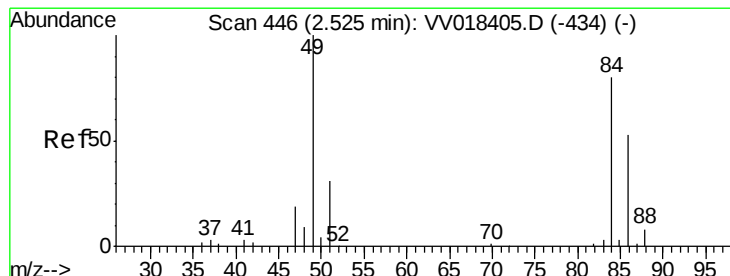
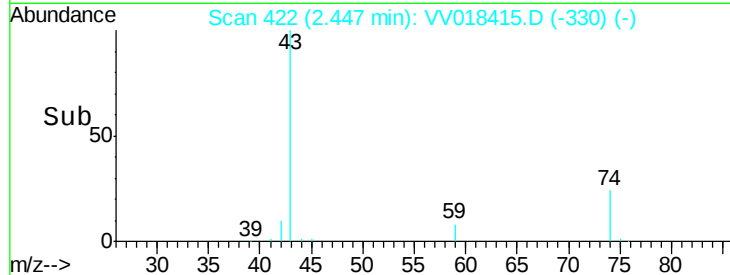
20000

10000

0

Time-->

2.40 2.50 2.60



#16

Methylene chloride

Concen: 45.902 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

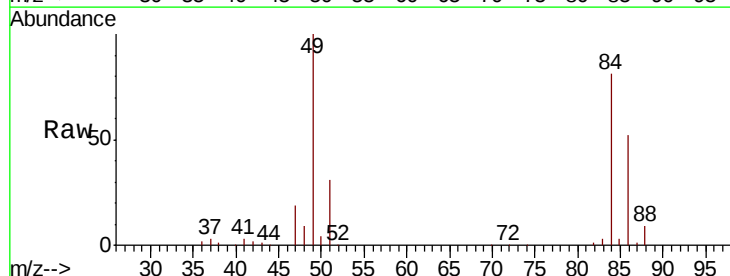
Tgt Ion: 84 Resp: 109911

Ion Ratio Lower Upper

84 100

86 63.2 46.0 85.4

49 122.8 87.5 162.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

100000

80000

60000

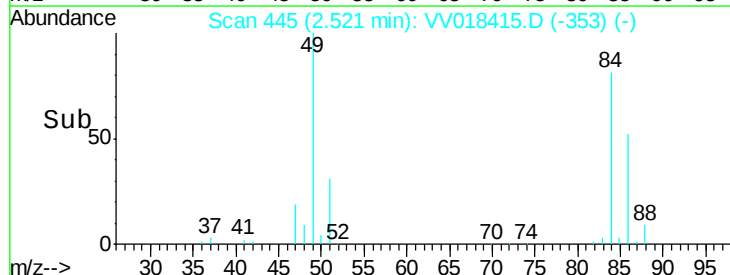
40000

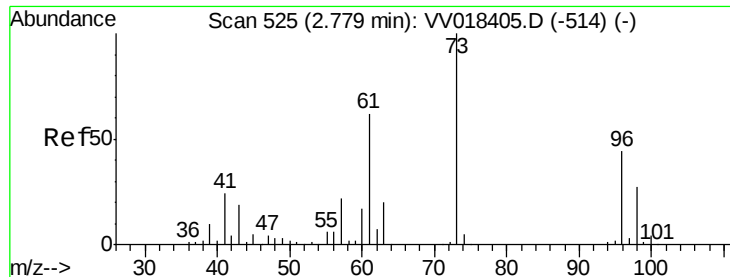
20000

0

Time-->

2.45 2.50 2.55 2.60

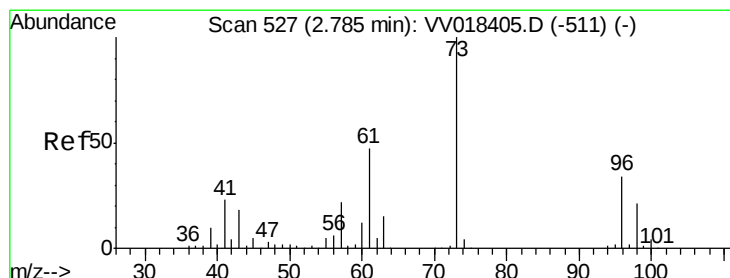
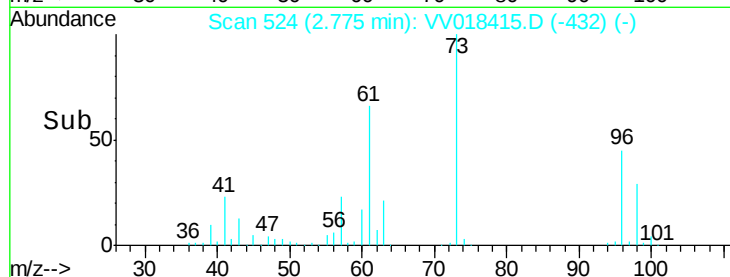
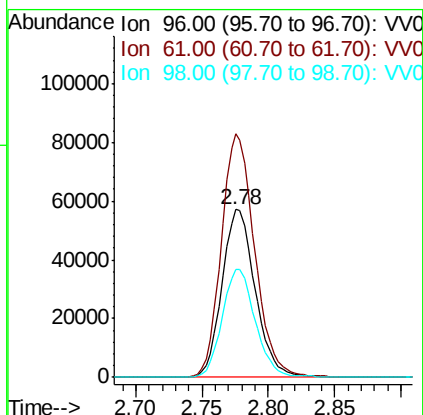
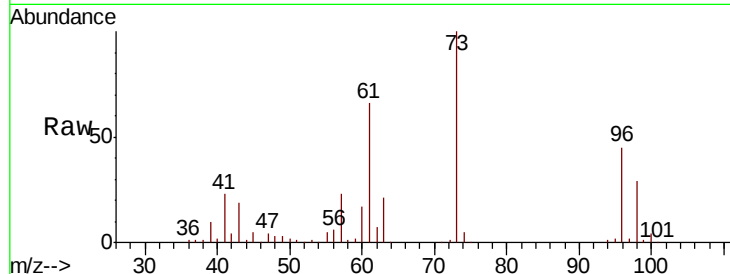




#17
trans-1,2-Dichloroethene
Concen: 46.475 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

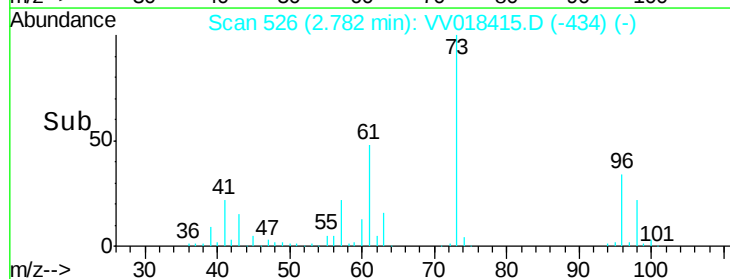
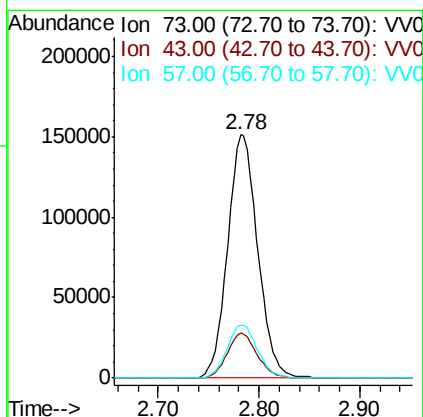
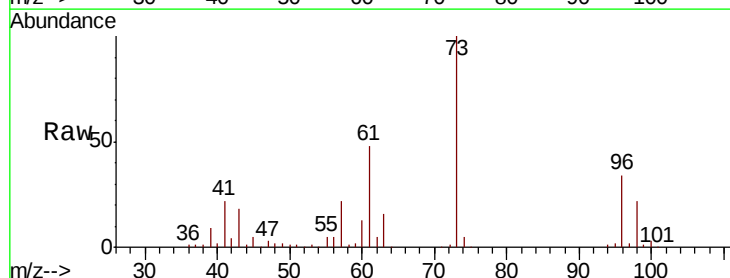
Instrument :
MSVOA_V
ClientSampled :
VSTD050308

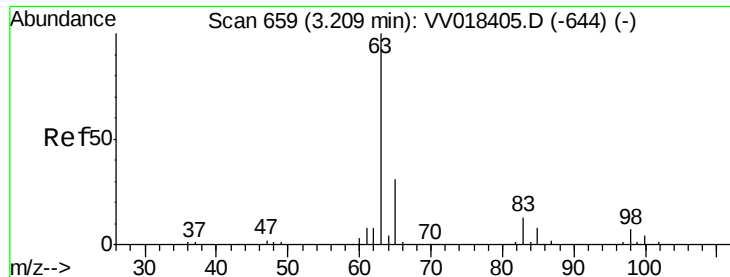
Tot Ion: 96 Resp: 99493
Ion Ratio Lower Upper
96 100
61 145.3 98.3 182.5
98 64.4 43.5 80.7



#18
Methyl tert-butyl Ether
Concen: 47.217 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion: 73 Resp: 314177
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.2
57 22.1 17.8 26.6

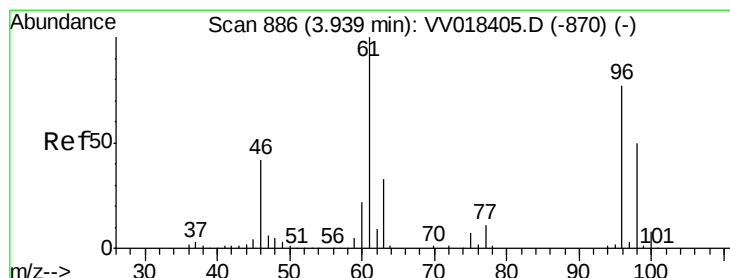
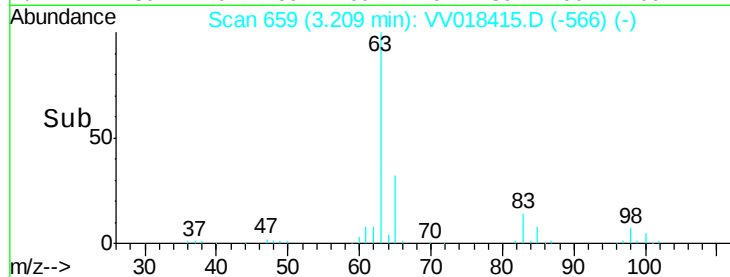
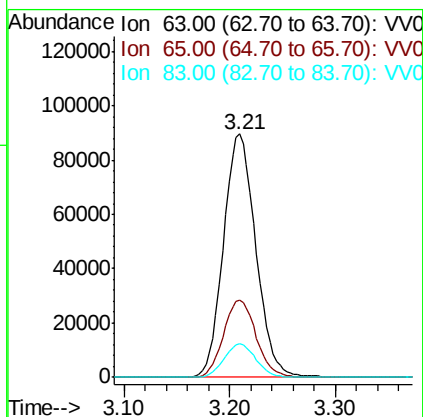
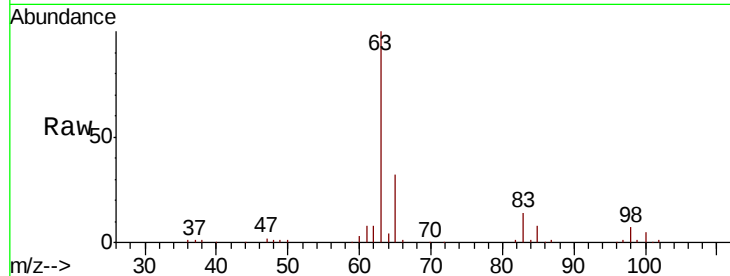




#19
 1,1-Dichloroethane
 Concen: 45.867 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

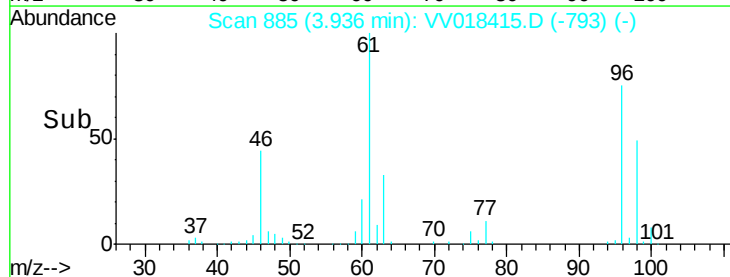
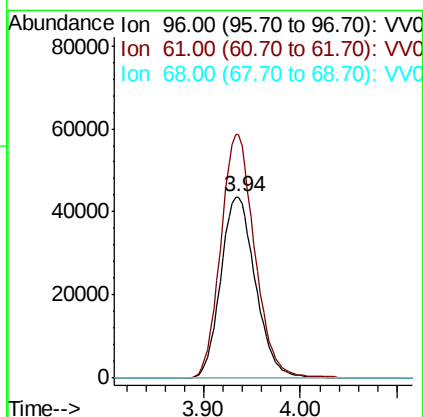
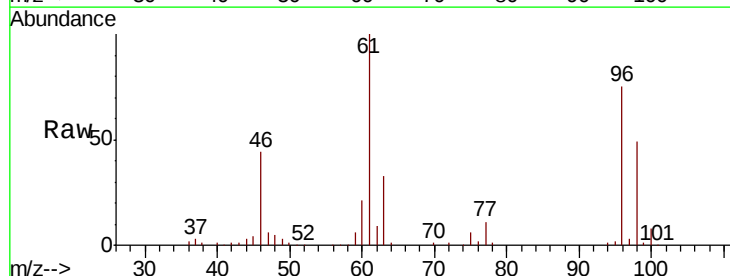
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

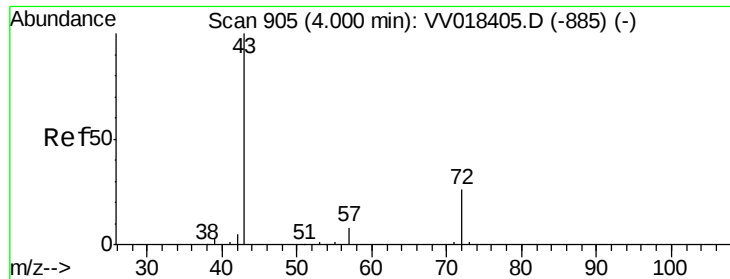
Tot Ion: 63 Resp: 190629
 Ion Ratio Lower Upper
 63 100
 65 31.7 21.8 40.6
 83 13.8 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 47.128 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Tgt Ion: 96 Resp: 108785
 Ion Ratio Lower Upper
 96 100
 61 134.1 90.4 167.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.089 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampled :

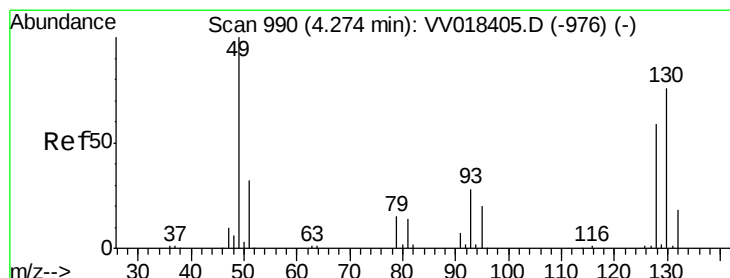
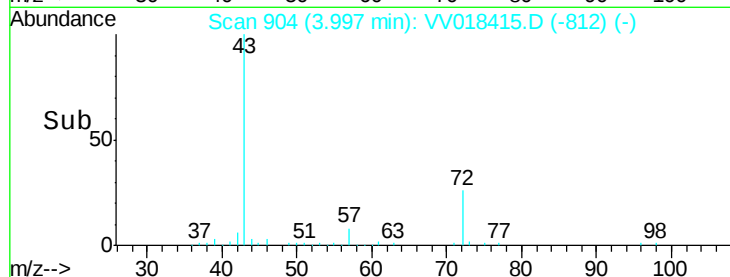
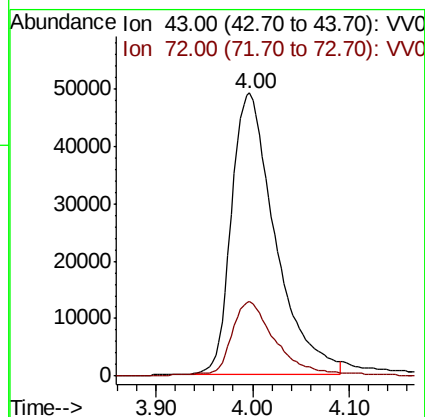
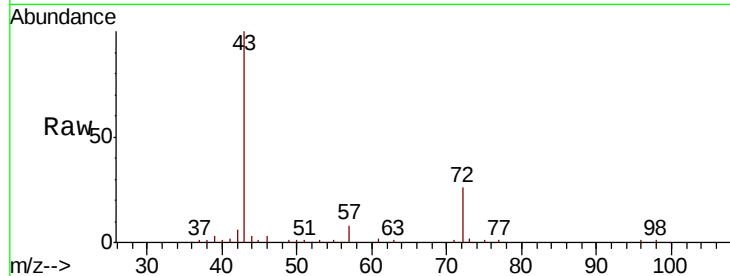
VSTD050308

Tot Ion: 43 Resp: 153229

Ion Ratio Lower Upper

43 100

72 25.7 12.8 38.3



#23

Bromochloromethane

Concen: 46.465 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Tgt Ion: 128 Resp: 57437

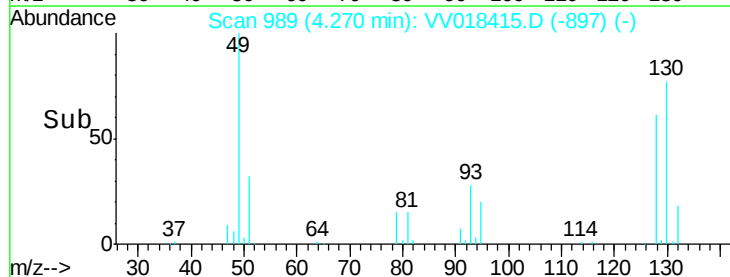
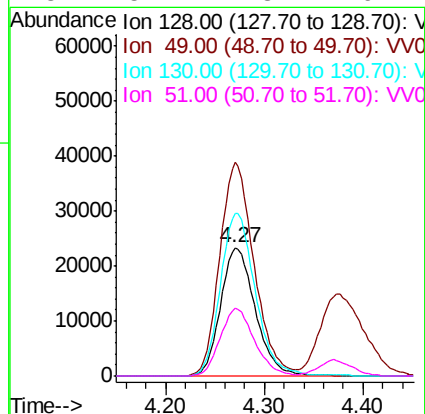
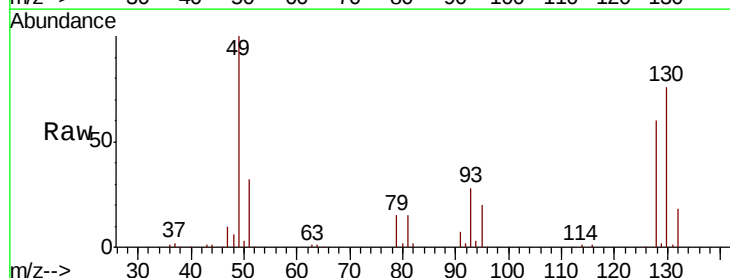
Ion Ratio Lower Upper

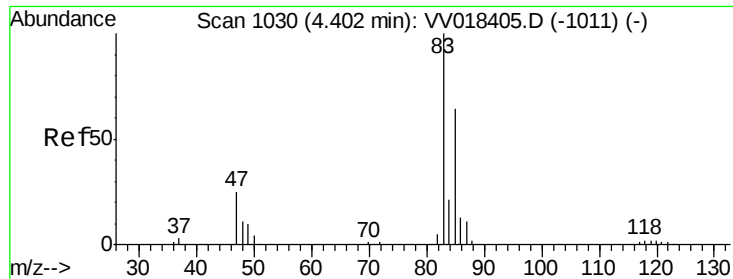
128 100

49 166.0 120.3 223.3

130 126.7 91.3 169.5

51 52.7 43.1 64.7

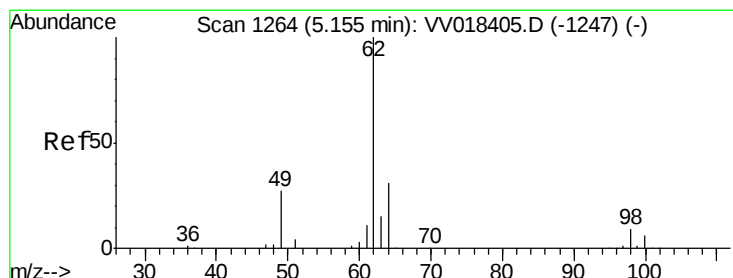
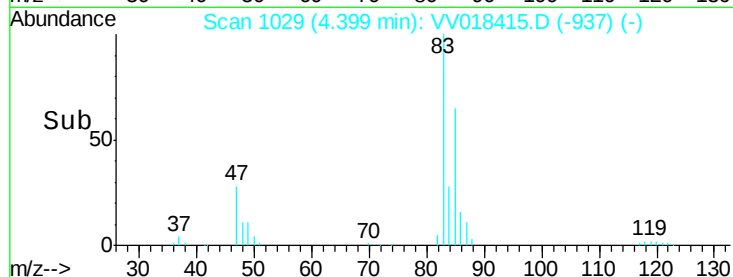
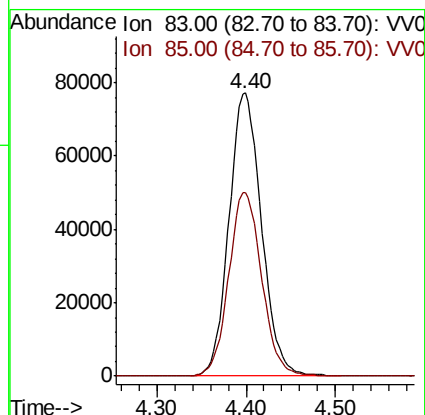
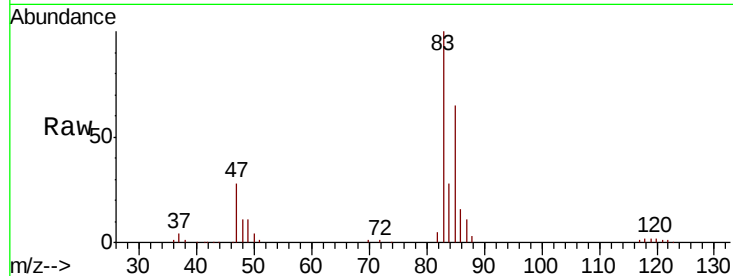




#25
Chloroform
Concen: 46.407 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

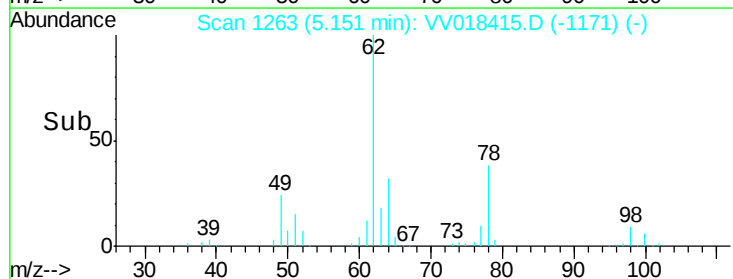
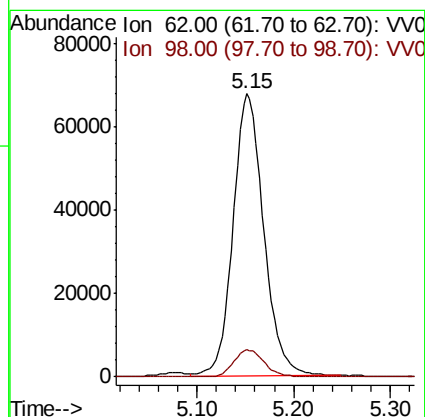
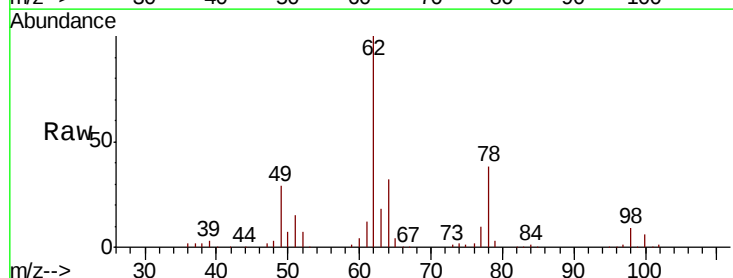
Instrument :
MSVOA_V
ClientSampleId :
VSTD050308

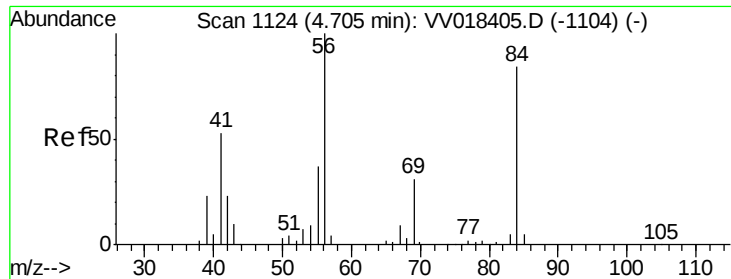
Tot Ion: 83 Resp: 194996
Ion Ratio Lower Upper
83 100
85 64.9 45.2 84.0



#27
1,2-Dichloroethane
Concen: 45.790 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion: 62 Resp: 149086
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2

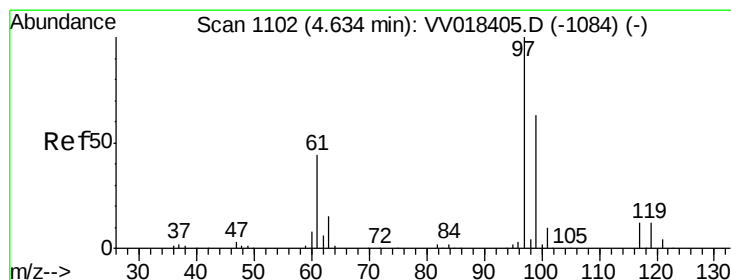
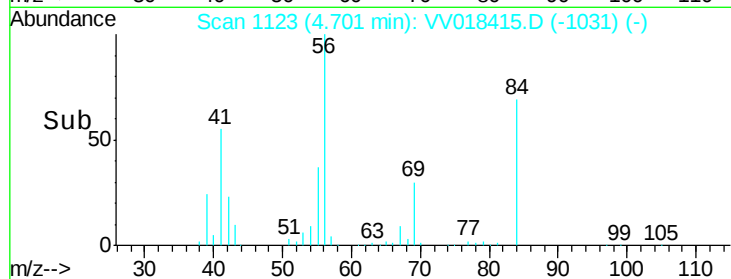
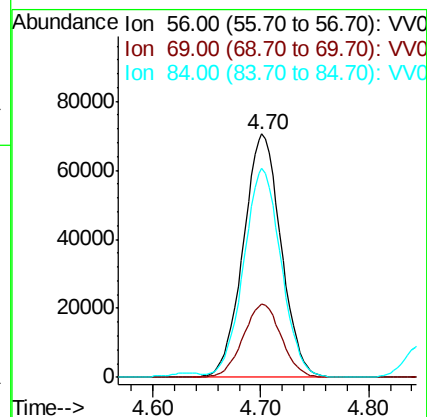
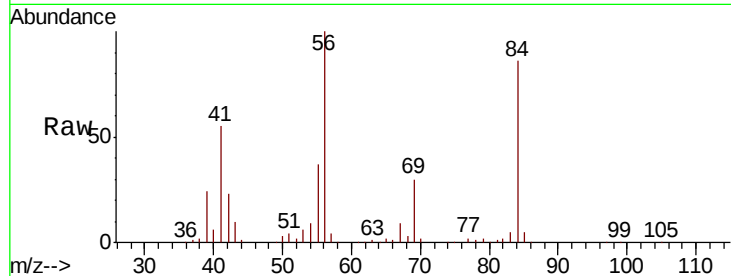




#29
Cyclohexane
Concen: 49.101 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

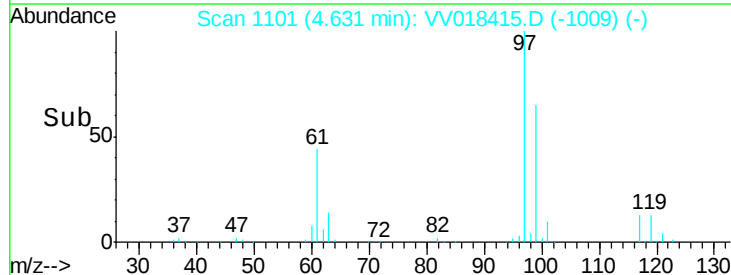
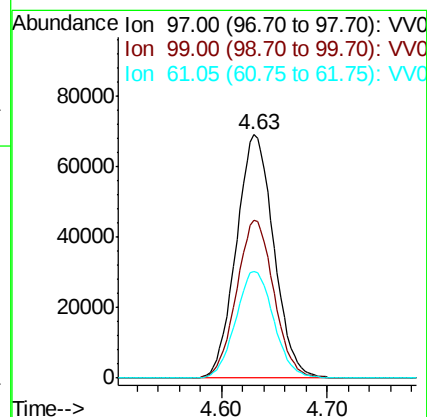
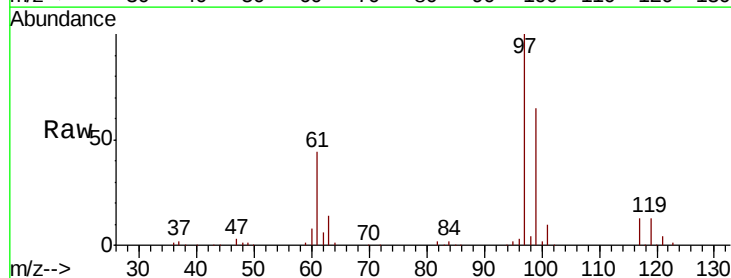
Instrument :
MSVOA_V
ClientSampleId :
VSTD050308

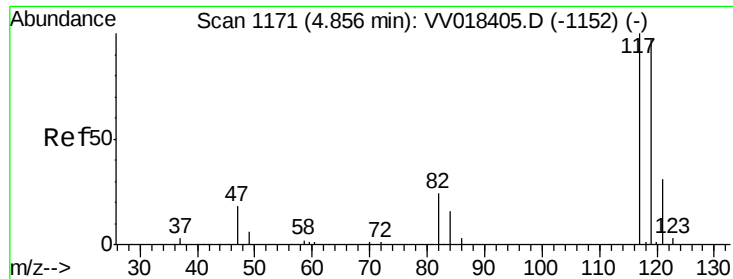
Tot Ion: 56 Resp: 171850
Ion Ratio Lower Upper
56 100
69 30.4 24.4 36.6
84 85.4 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 46.070 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion: 97 Resp: 170402
Ion Ratio Lower Upper
97 100
99 64.5 50.7 76.1
61 44.4 35.0 52.6





#31

Carbon tetrachloride

Concen: 46.156 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

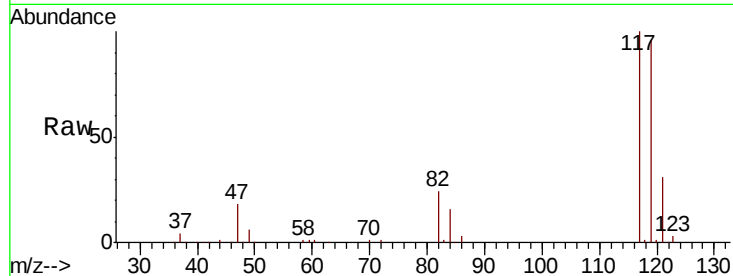
VSTD050308

Tot Ion:117 Resp: 148830

Ion Ratio Lower Upper

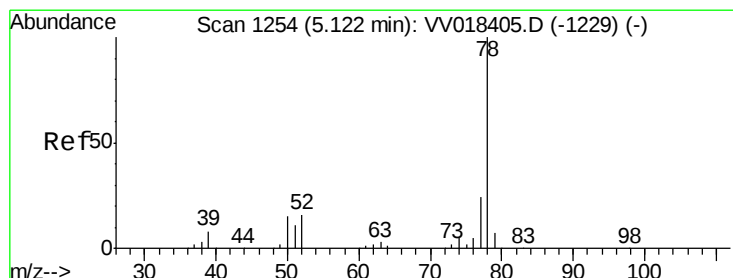
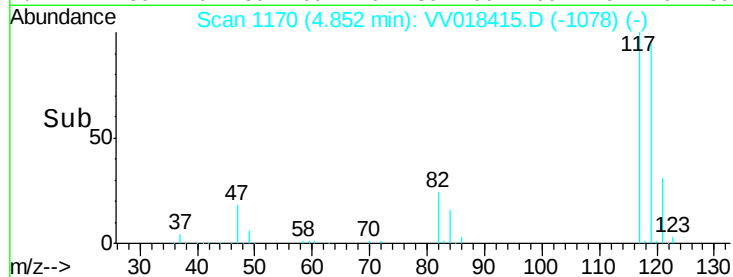
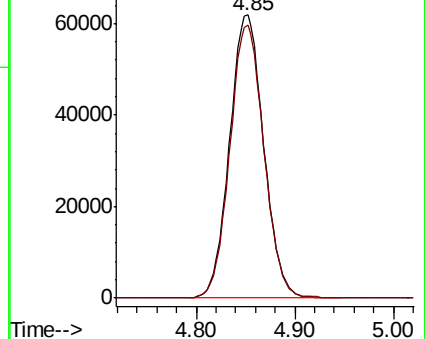
117 100

119 96.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.130 ug/L

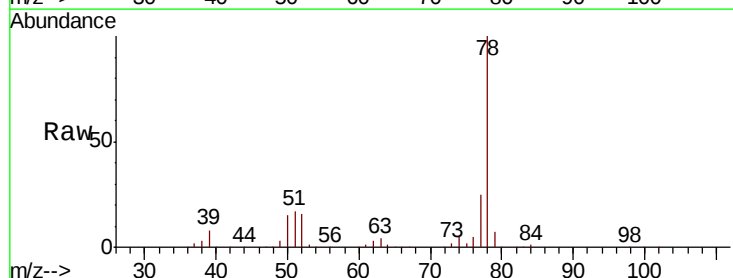
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

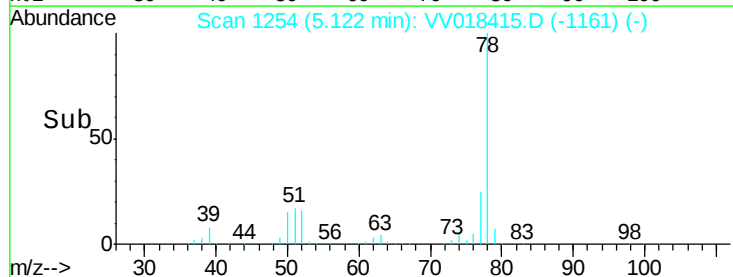
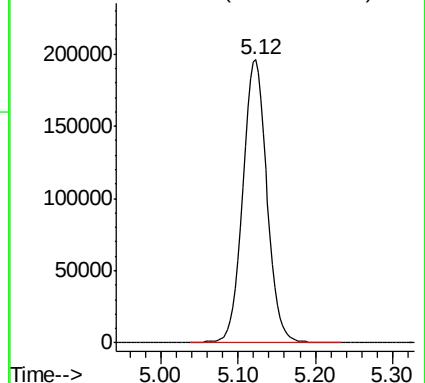
Lab File: VV018415.D

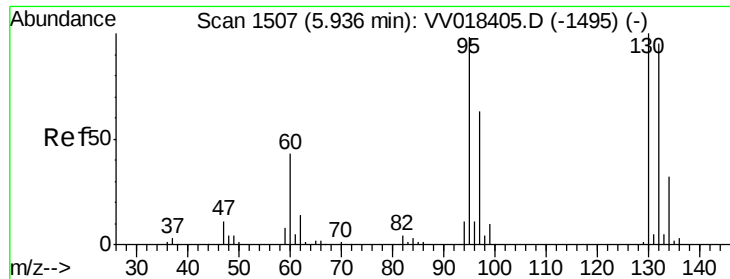
Acq: 23 Sep 2020 16:14

Tgt Ion: 78 Resp: 424484



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 45.809 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050308

Tot Ion: 95 Resp: 113424

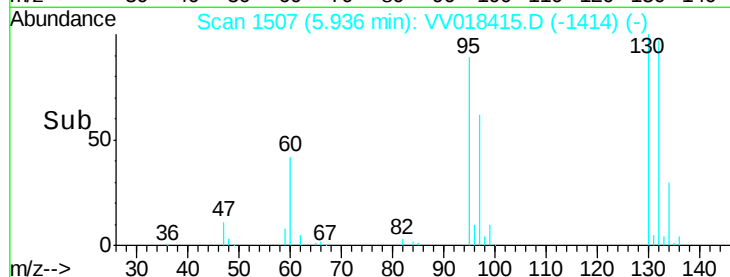
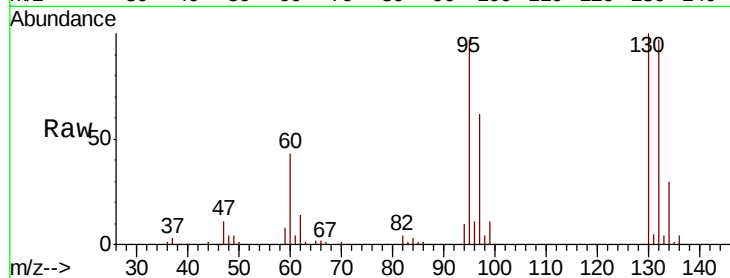
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 99.7 67.8 126.0

130 103.4 71.5 132.7

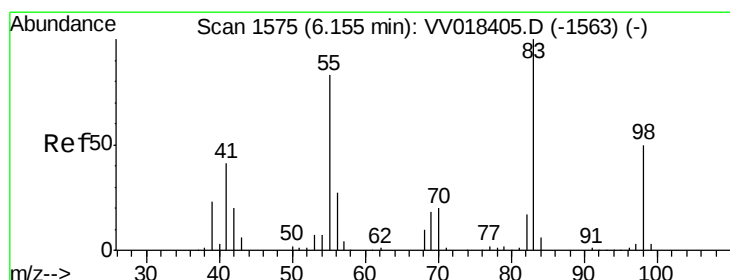
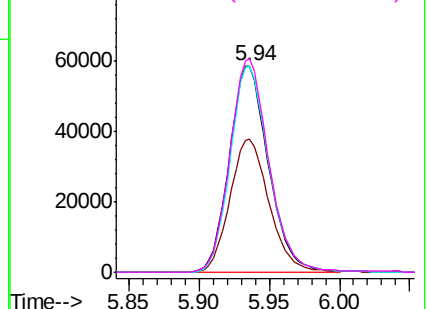


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.750 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

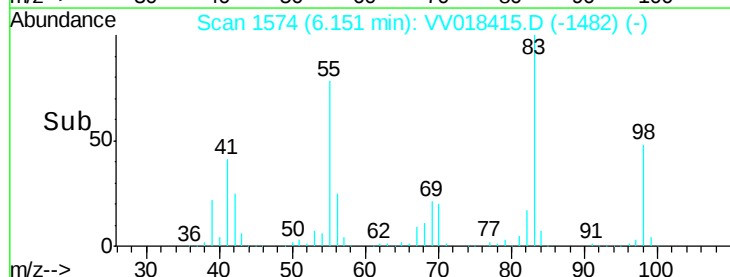
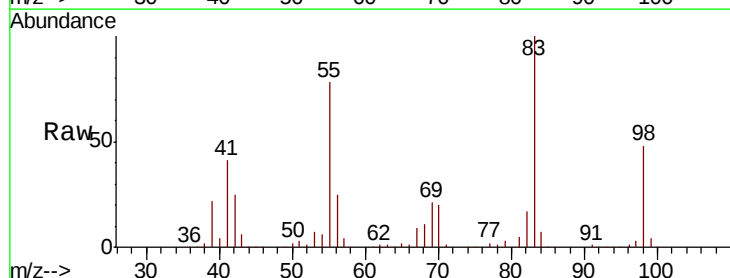
Tgt Ion: 83 Resp: 175252

Ion Ratio Lower Upper

83 100

55 79.1 63.6 95.4

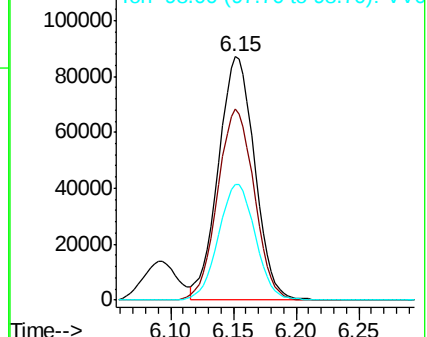
98 48.1 38.6 58.0

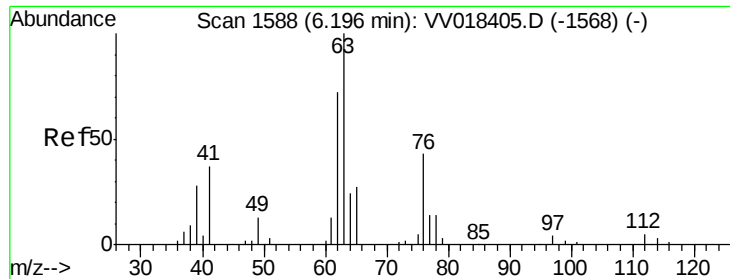


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 47.372 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

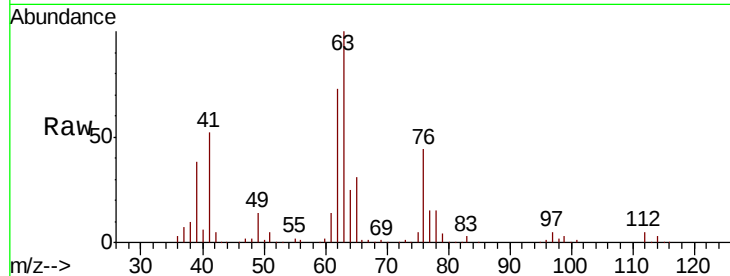
VSTD050308

Tot Ion: 63 Resp: 112818

Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



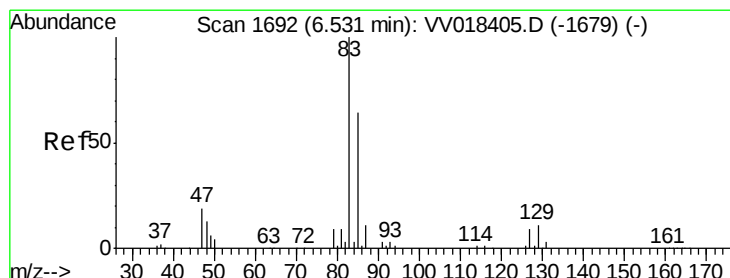
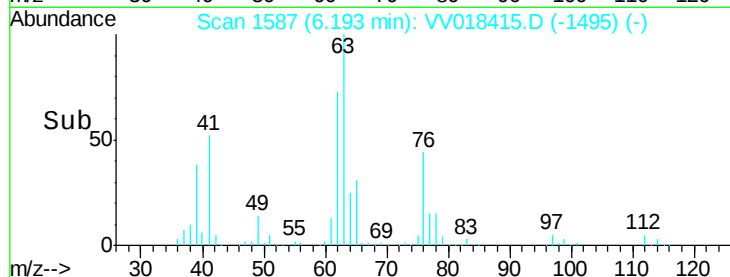
Abundance Ion 63.00 (62.70 to 63.70): VV018415.D (-1568) (-)

Ion 112.00 (111.70 to 112.70): VV018415.D (-1568) (-)

6.19

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 46.304 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

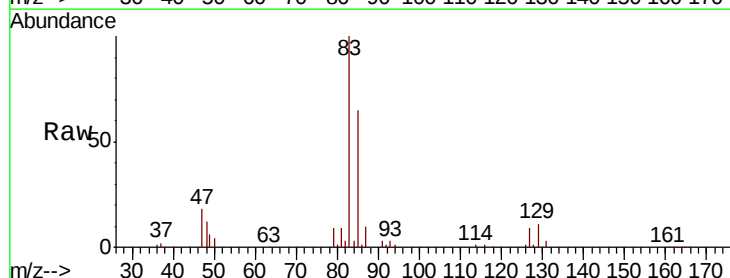
Tgt Ion: 83 Resp: 144321

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

127 8.6 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VV018415.D (-1679) (-)

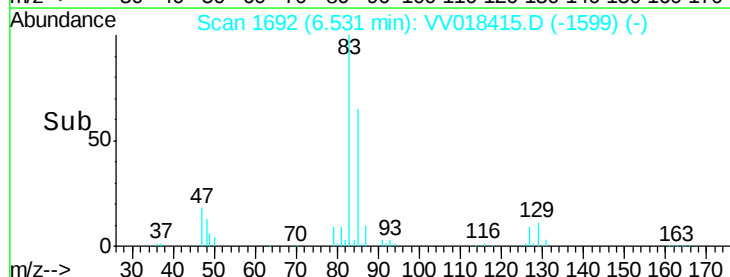
Ion 85.00 (84.70 to 85.70): VV018415.D (-1679) (-)

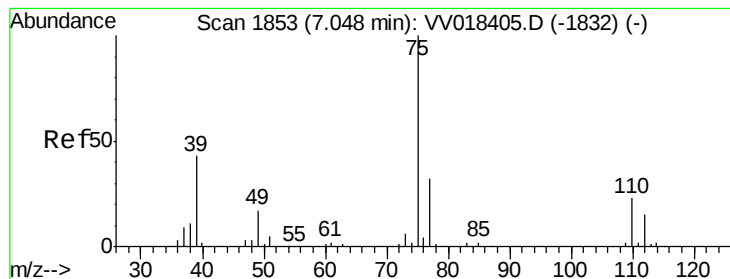
Ion 127.00 (126.70 to 127.70): VV018415.D (-1679) (-)

6.53

6.45 6.50 6.55 6.60 6.65

Time-->



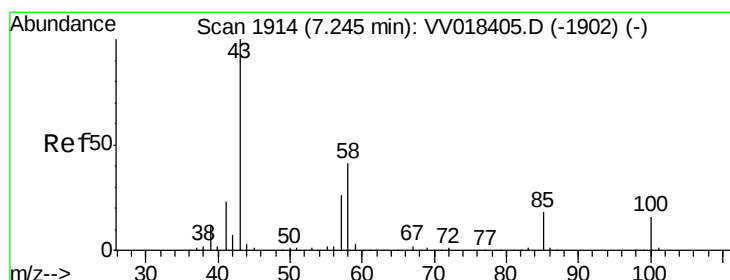
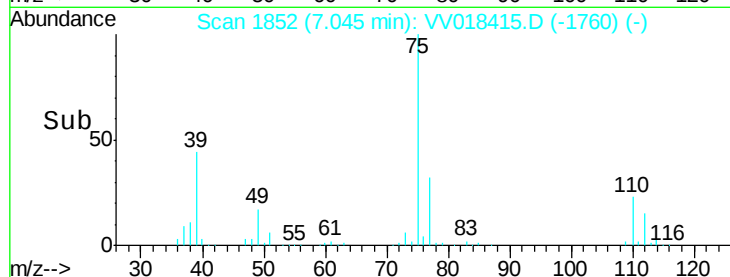
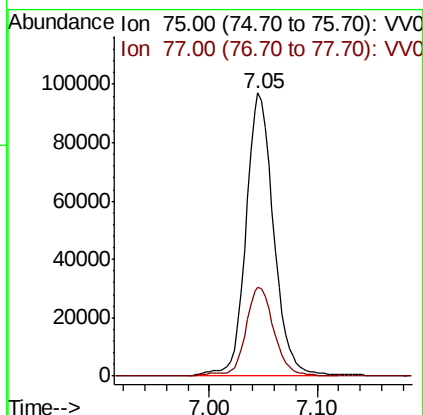
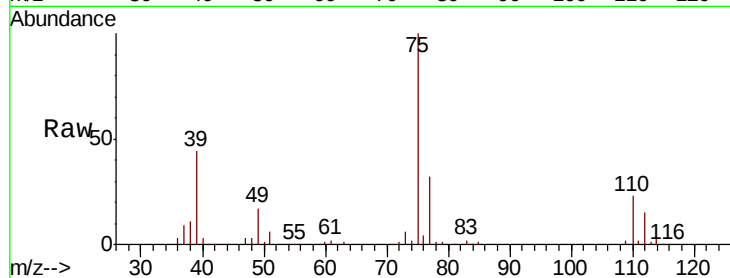


#39

cis-1,3-Dichloropropene
Concen: 48.561 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampled :
VSTD050308

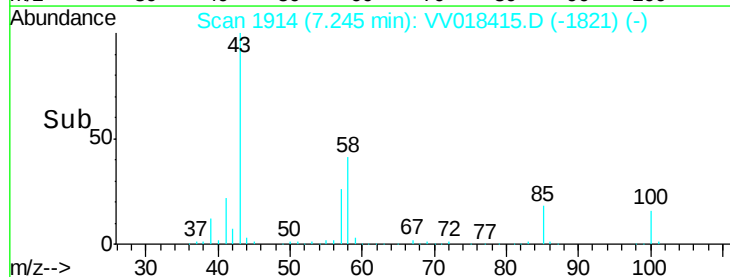
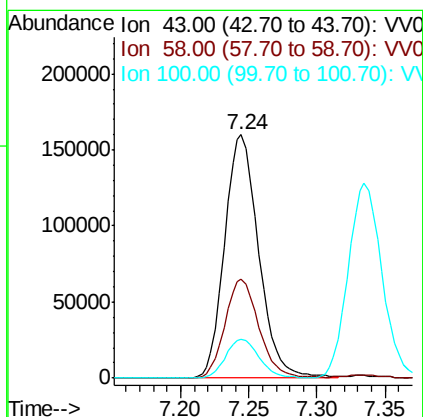
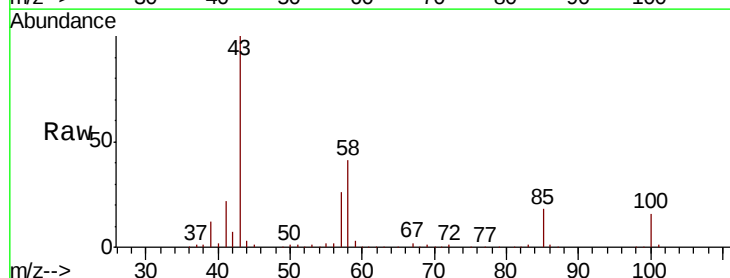
Tot Ion: 75 Resp: 173492
Ion Ratio Lower Upper
75 100
77 31.6 22.7 42.1

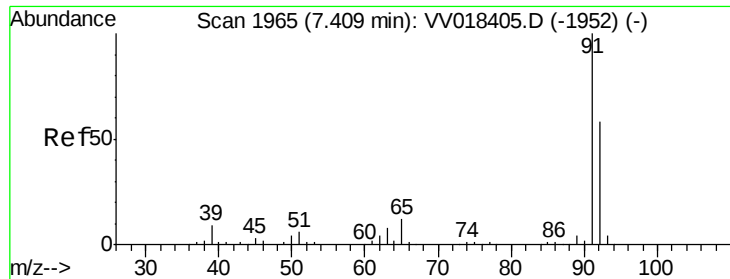


#40

4-Methyl-2-pentanone
Concen: 98.347 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion: 43 Resp: 277965
Ion Ratio Lower Upper
43 100
58 40.3 32.4 48.6
100 15.8 13.0 19.4





#42

Toluene

Concen: 48.282 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

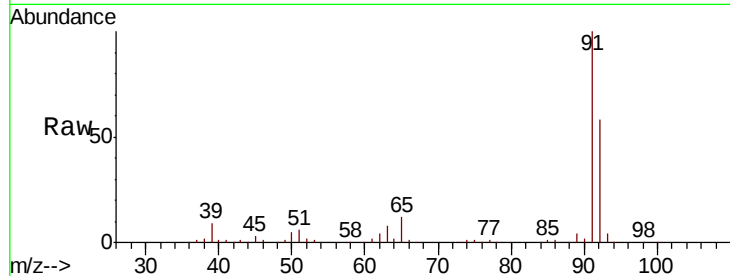
VSTD050308

Tot Ion: 91 Resp: 456220

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

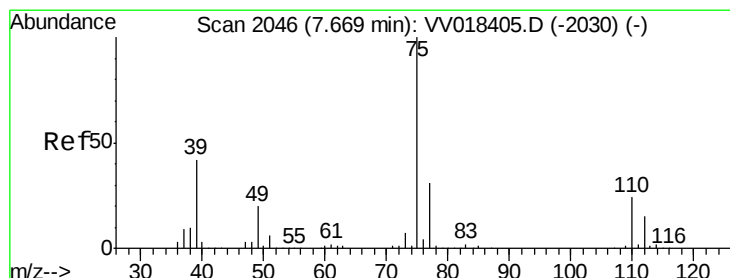
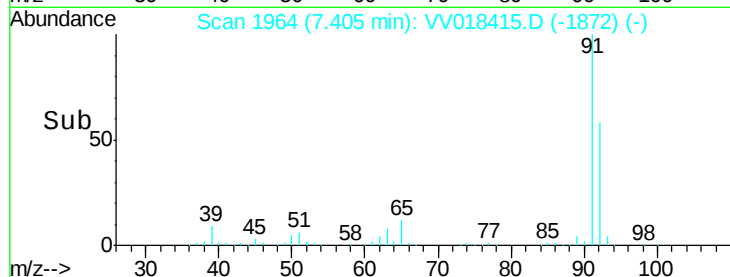
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.138 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018415.D

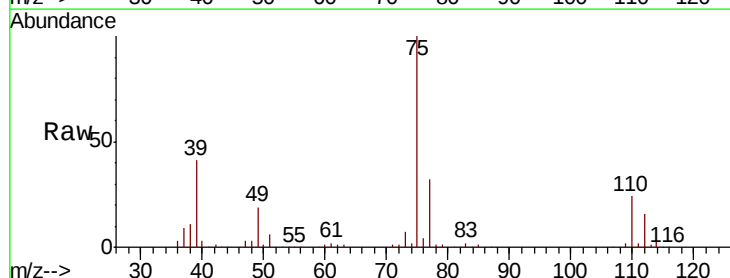
Acq: 23 Sep 2020 16:14

Tgt Ion: 75 Resp: 170519

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

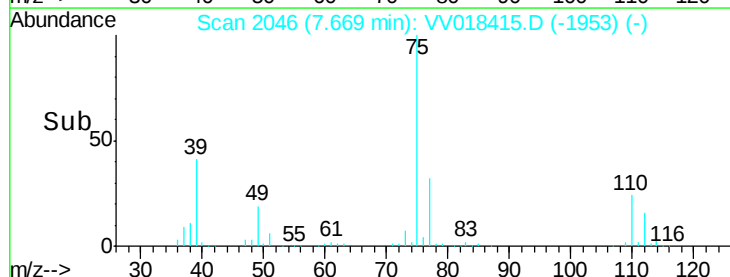
60000

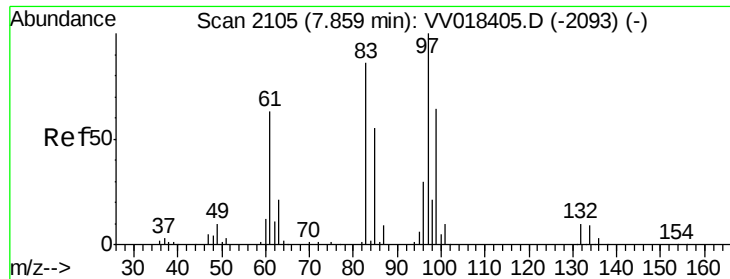
40000

20000

0

Time-->

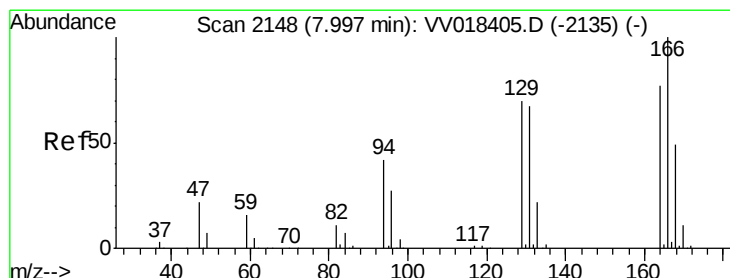
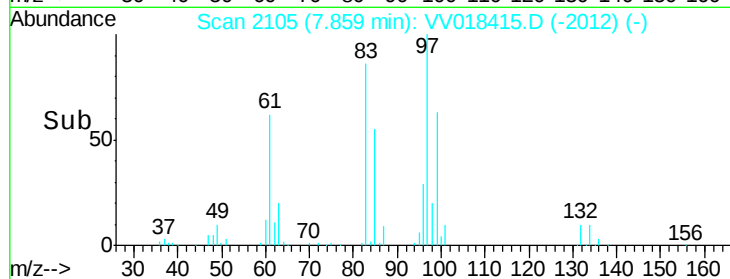
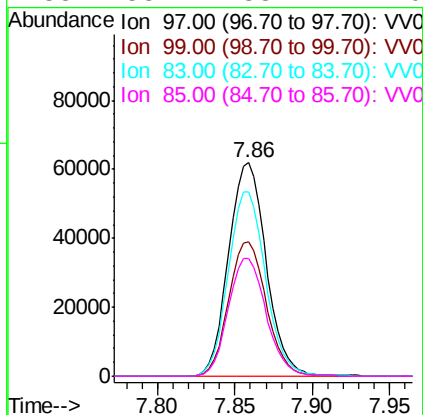
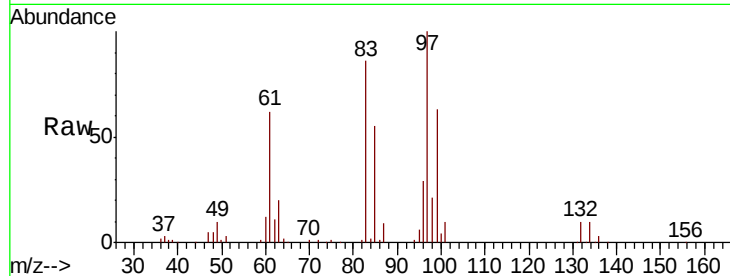




#45
 1,1,2-Trichloroethane
 Concen: 46.653 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

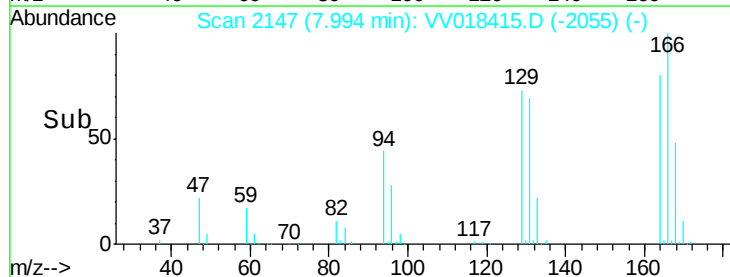
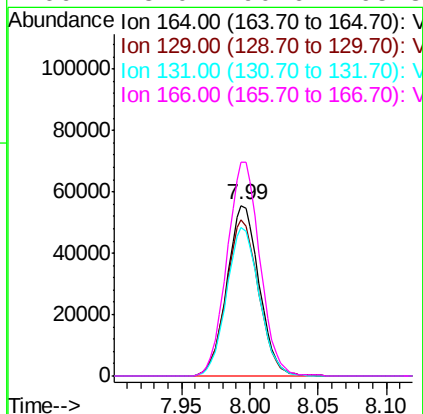
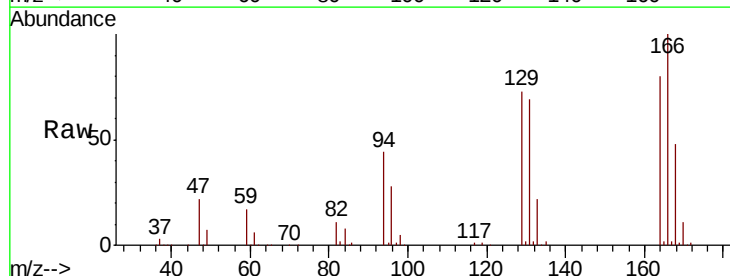
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

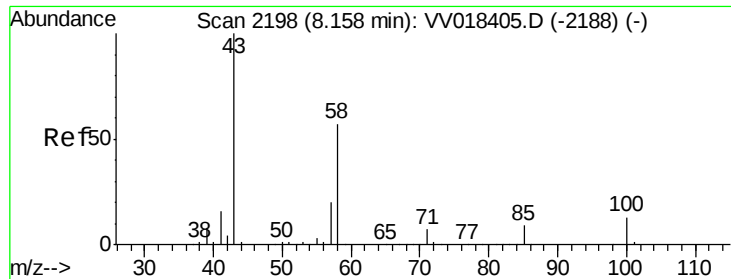
Tot Ion:	97	Resp:	104631
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.6	82.8
83	86.2	60.5	112.5
85	55.2	38.2	71.0



#46
 Tetrachloroethene
 Concen: 47.062 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Tgt Ion:	164	Resp:	91245
Ion	Ratio	Lower	Upper
164	100		
129	91.5	63.7	118.3
131	86.8	60.6	112.6
166	125.0	90.6	168.3

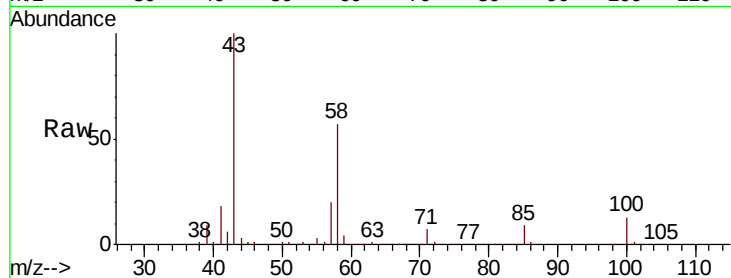




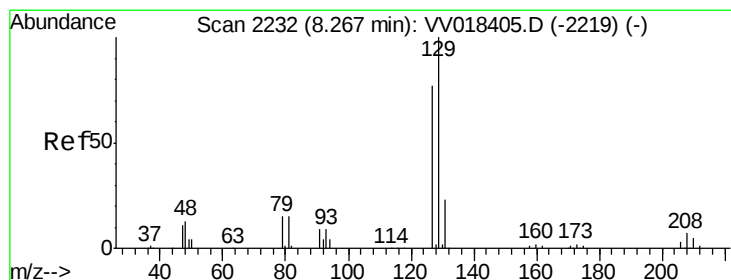
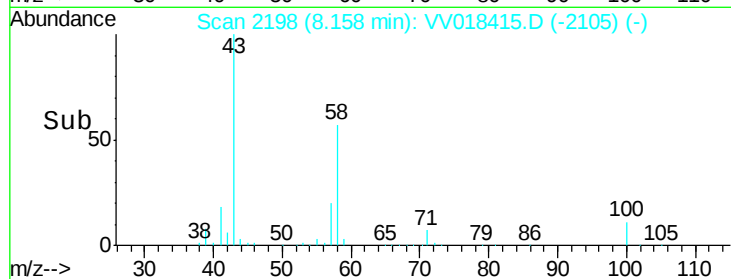
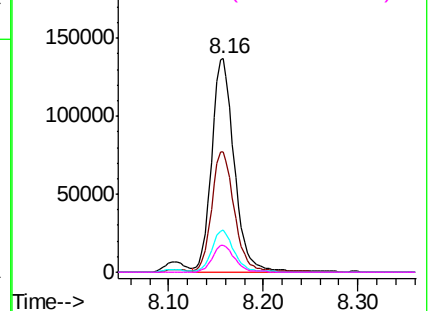
#48
2-Hexanone
Concen: 95.051 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050308

Tot Ion: 43 Resp: 227682
Ion Ratio Lower Upper
43 100
58 56.1 45.4 68.0
57 19.2 16.0 24.0
100 12.6 10.1 15.1

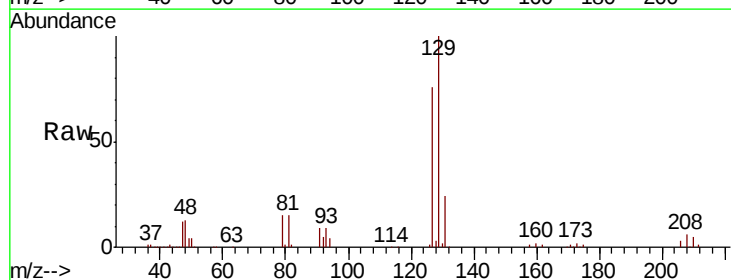


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

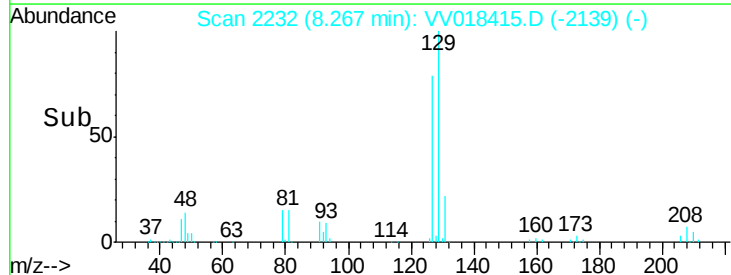
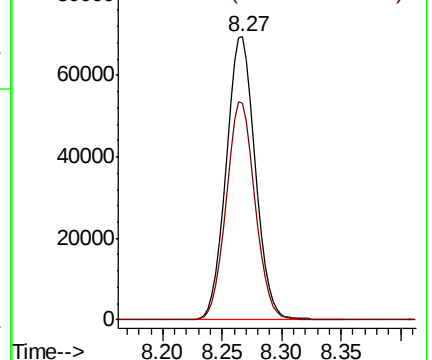


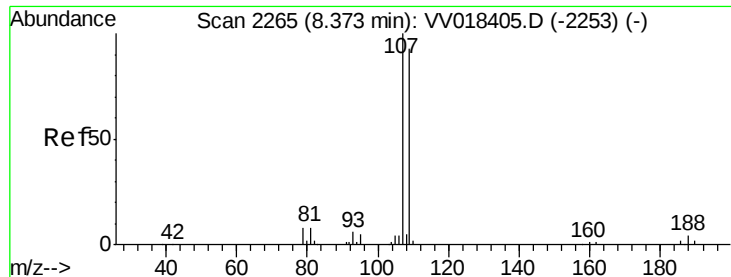
#49
Dibromochloromethane
Concen: 47.249 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion: 129 Resp: 117973
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

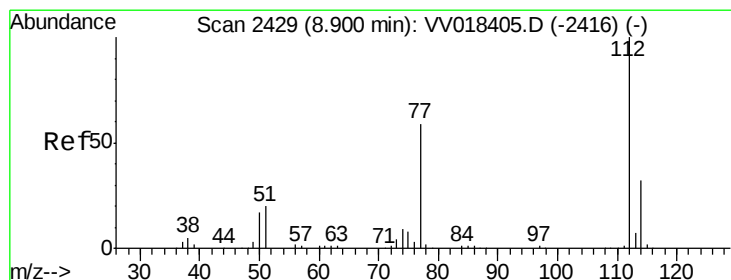
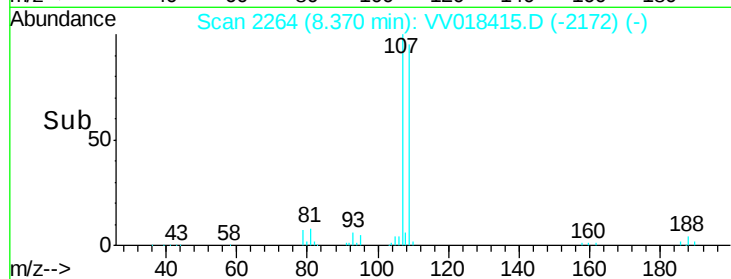
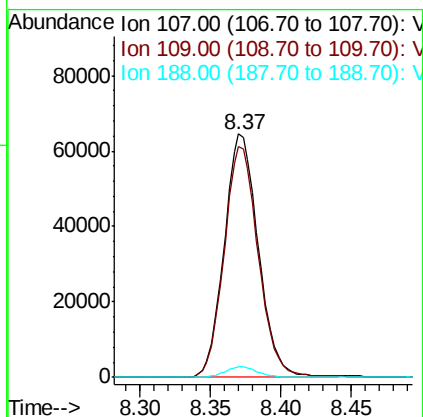
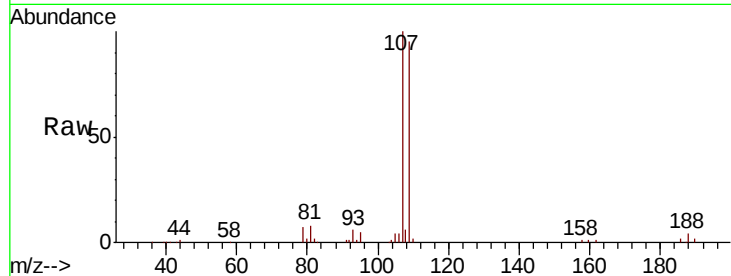




#50
 1,2-Dibromoethane
 Concen: 46.656 ug/L
 RT: 8.37 min Scan# 2264
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

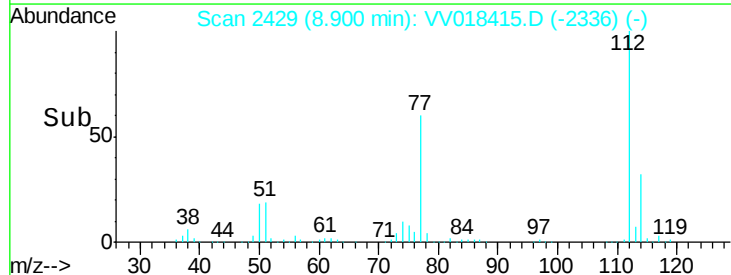
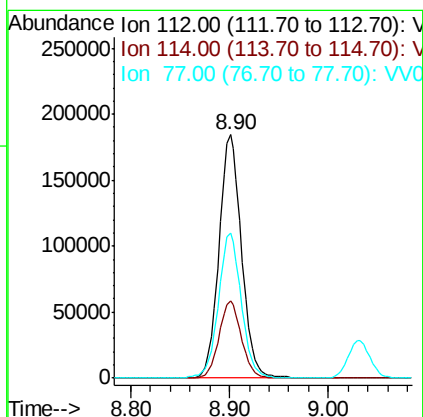
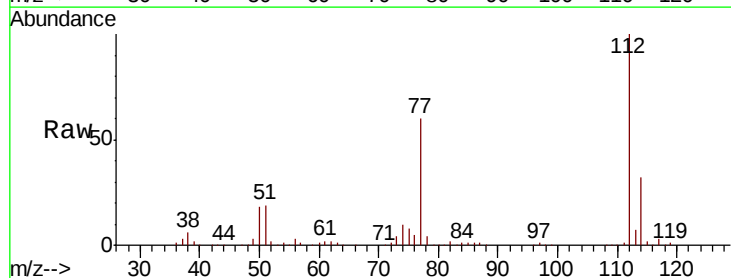
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

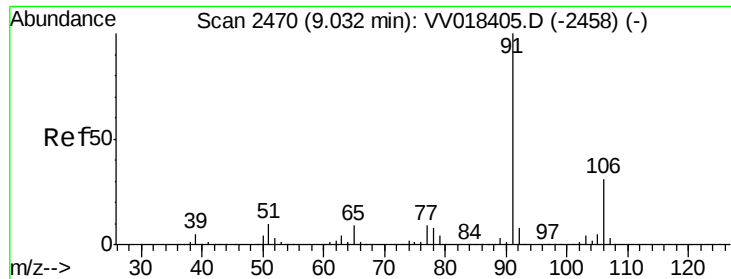
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	64.9	120.5
188	4.2	3.4	5.0



#51
 Chlorobenzene
 Concen: 46.825 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	59.7	47.4	71.2





#52

Ethylbenzene

Concen: 48.494 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

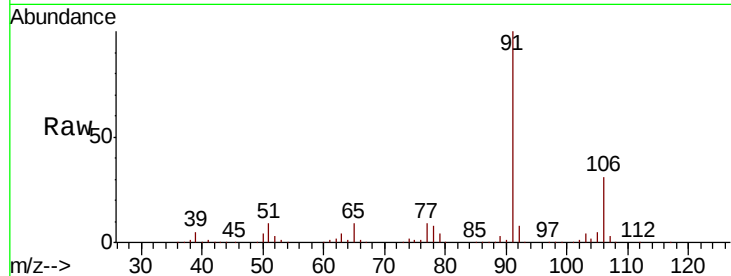
VSTD050308

Tot Ion: 91 Resp: 504284

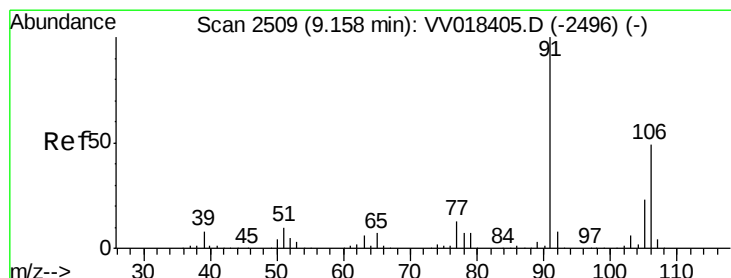
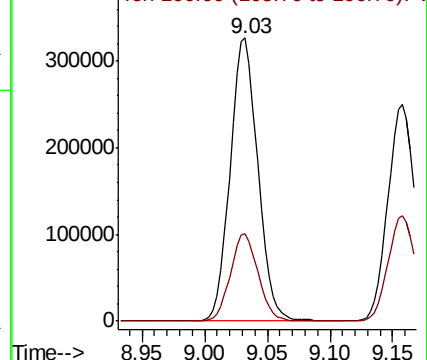
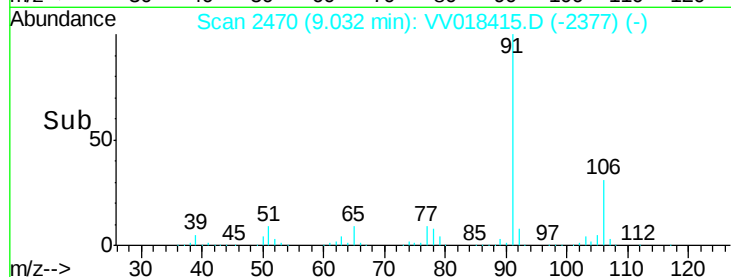
Ion Ratio Lower Upper

91 100

106 30.9 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV018415.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.294 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018415.D

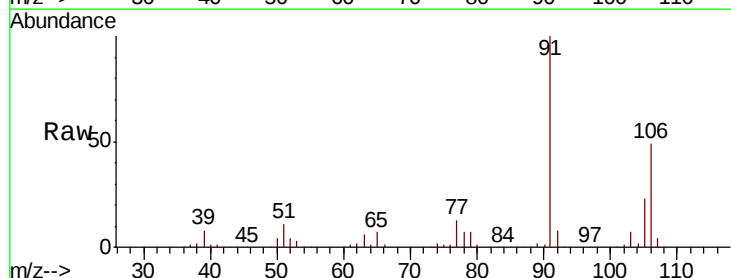
Acq: 23 Sep 2020 16:14

Tgt Ion: 106 Resp: 191408

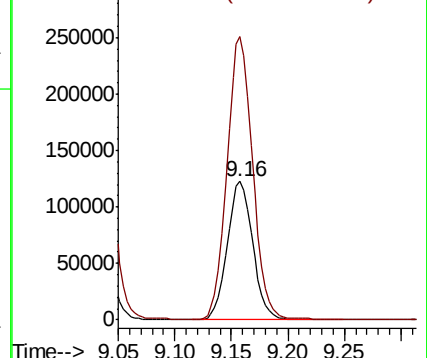
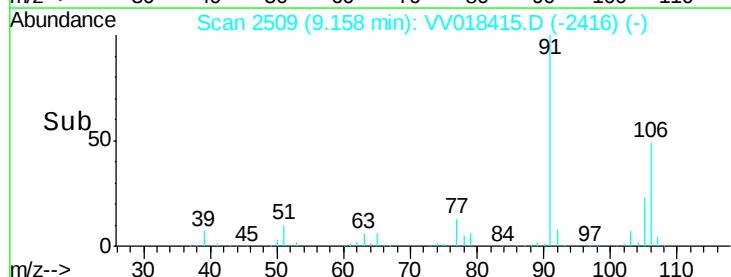
Ion Ratio Lower Upper

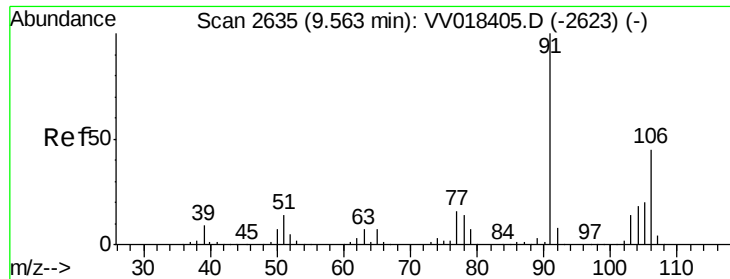
106 100

91 204.9 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018415.D (-2416) (-)

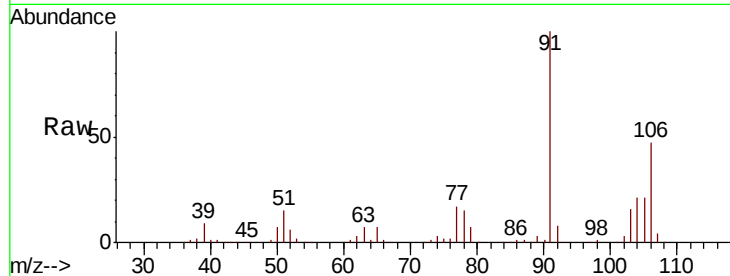




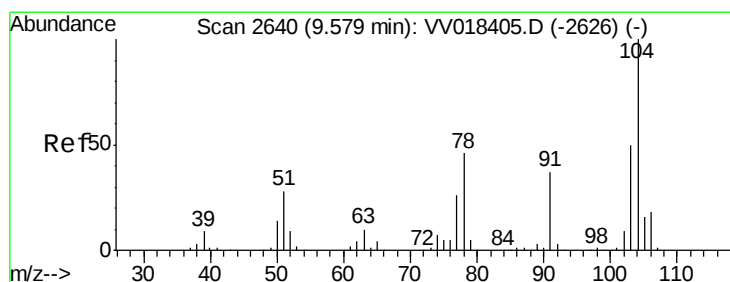
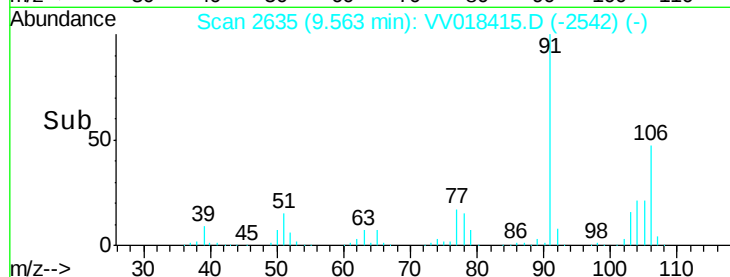
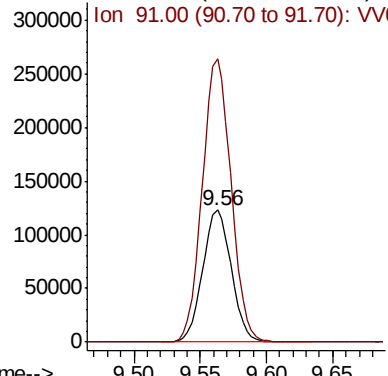
#54
o-Xylene
Concen: 49.424 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050308

Tot Ion:106 Resp: 184902
Ion Ratio Lower Upper
106 100
91 214.2 154.7 287.3

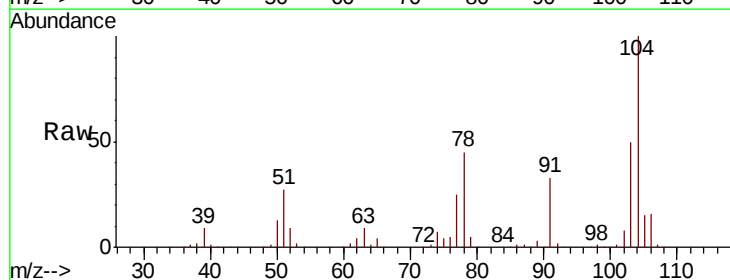


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

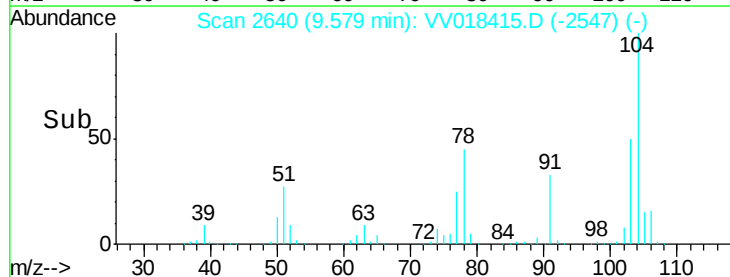
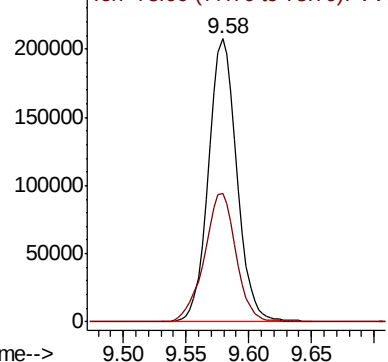


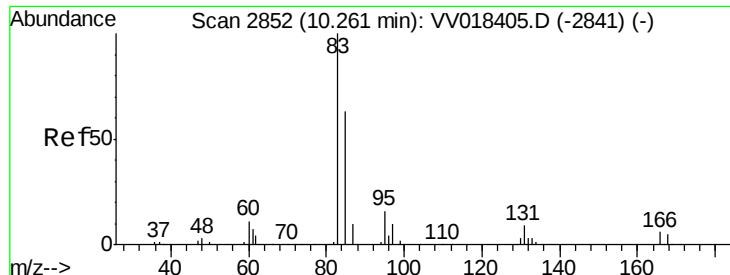
#55
Styrene
Concen: 49.922 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion:104 Resp: 326685
Ion Ratio Lower Upper
104 100
78 45.3 32.1 59.5



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





#57

1,1,2,2-Tetrachloroethane

Concen: 47.417 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050308

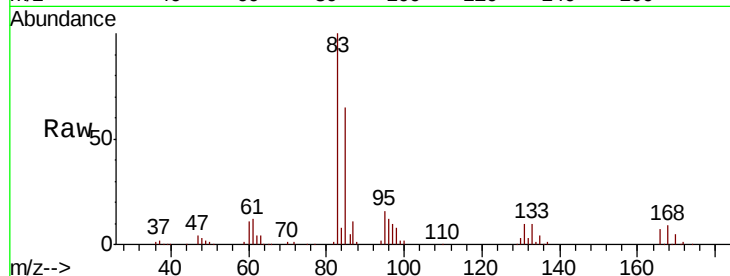
Tot Ion: 83 Resp: 155045

Ion Ratio Lower Upper

83 100

85 65.4 44.4 82.5

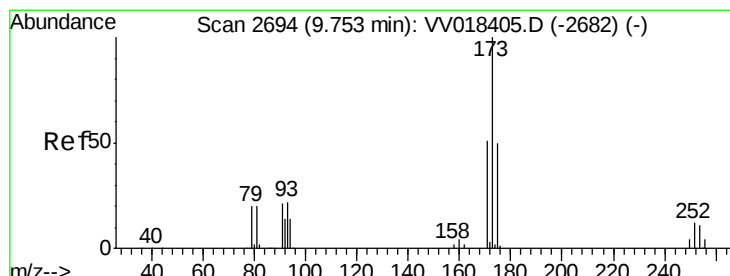
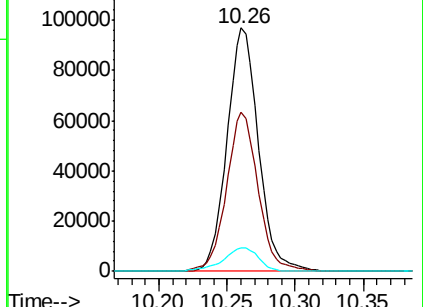
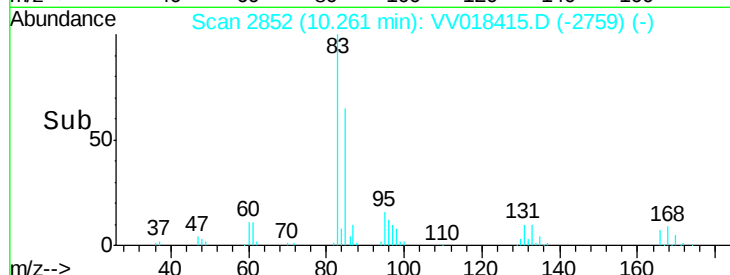
131 9.7 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VV018415.D (-2759) (-)

Ion 85.00 (84.70 to 85.70): VV018415.D (-2759) (-)

Ion 131.00 (130.70 to 131.70): VV018415.D (-2759) (-)



#59

Bromoform

Concen: 46.188 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

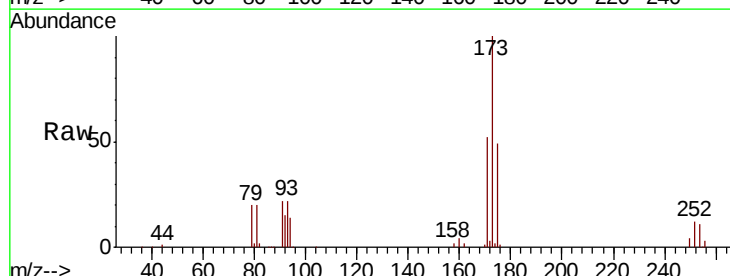
Tgt Ion: 173 Resp: 85744

Ion Ratio Lower Upper

173 100

175 48.6 39.4 59.2

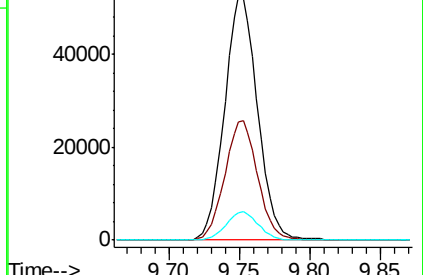
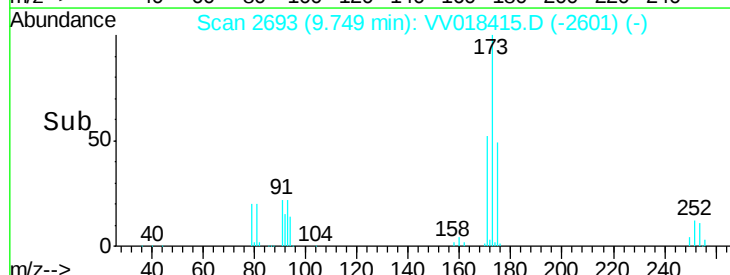
254 11.3 8.7 13.1

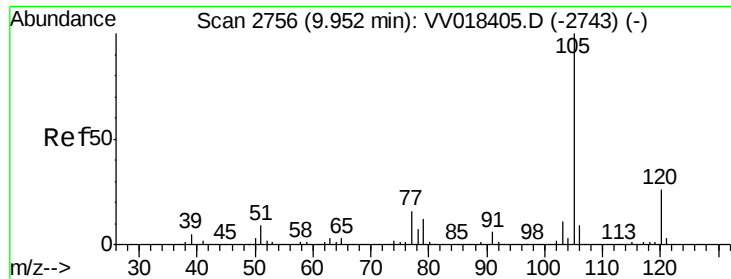


Abundance Ion 173.00 (172.70 to 173.70): VV018415.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV018415.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018415.D (-2601) (-)





#60

Isopropylbenzene

Concen: 49.407 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD050308

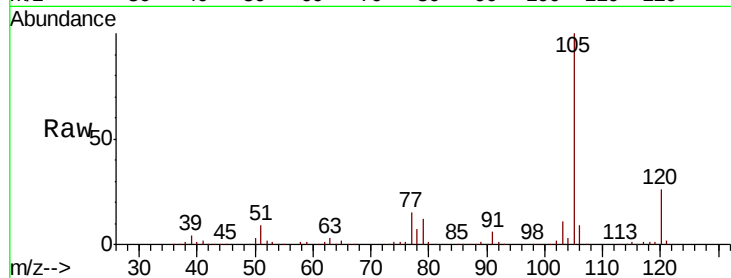
Tot Ion:105 Resp: 505731

Ion Ratio Lower Upper

105 100

120 26.1 20.8 31.2

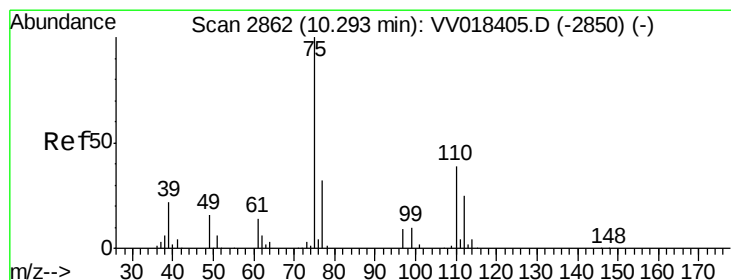
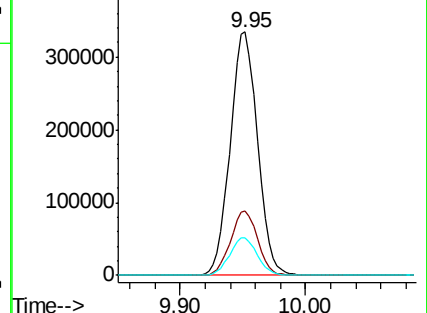
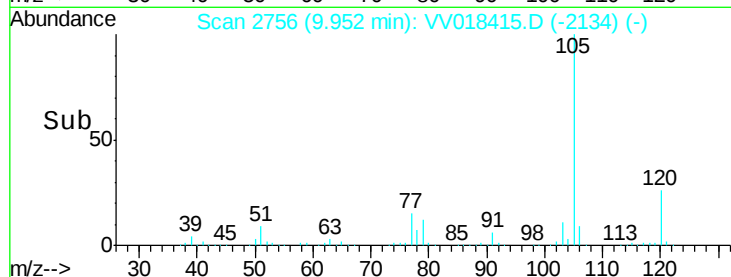
77 15.6 12.8 19.2



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



#61

1,2,3-Trichloropropane

Concen: 46.078 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

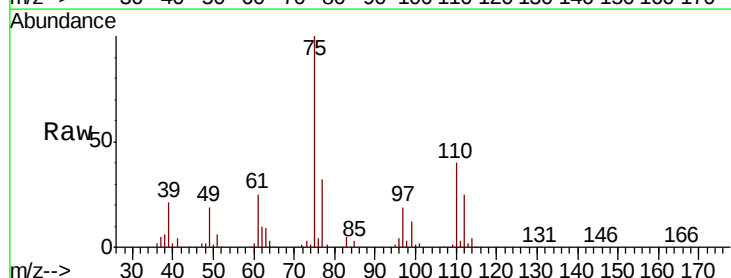
Tgt Ion: 75 Resp: 132792

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

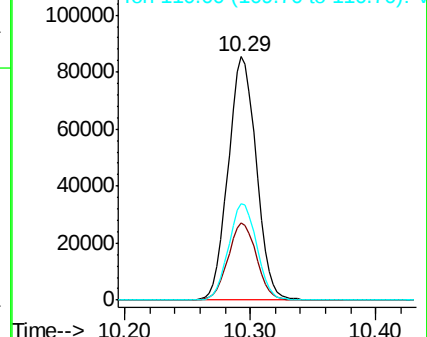
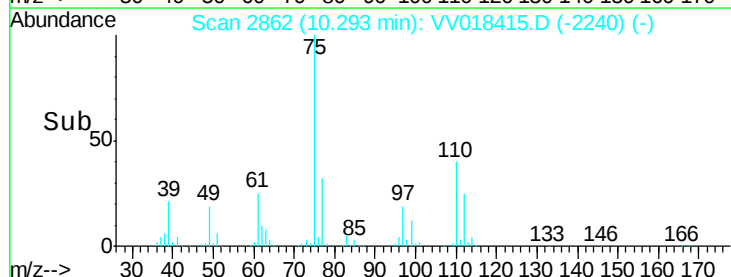
110 39.7 31.5 47.3

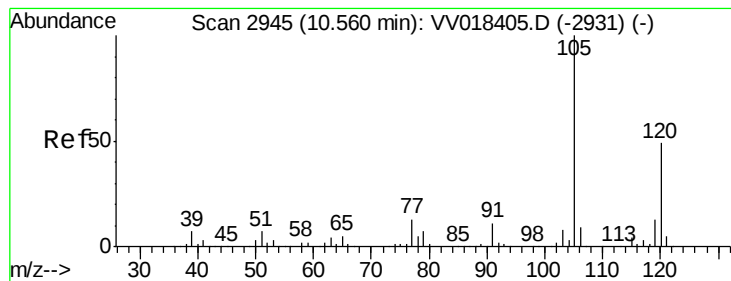


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 50.714 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV018415.D

Acq: 23 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

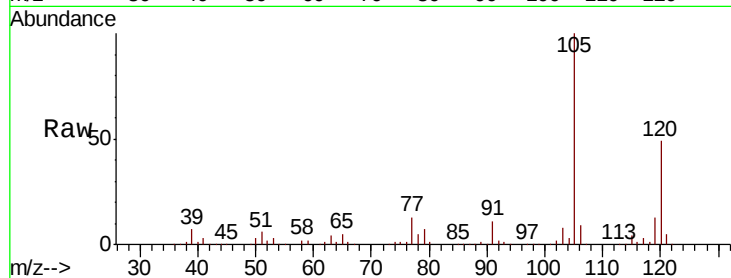
VSTD050308

Tot Ion:105 Resp: 420186

Ion Ratio Lower Upper

105 100

120 49.0 39.1 58.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

100000

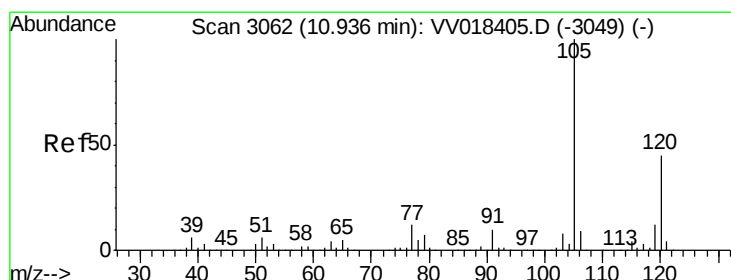
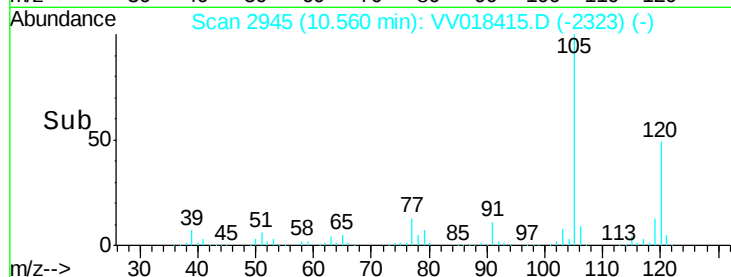
0

10.56

10.50

10.60

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 50.472 ug/L

RT: 10.93 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VV018415.D

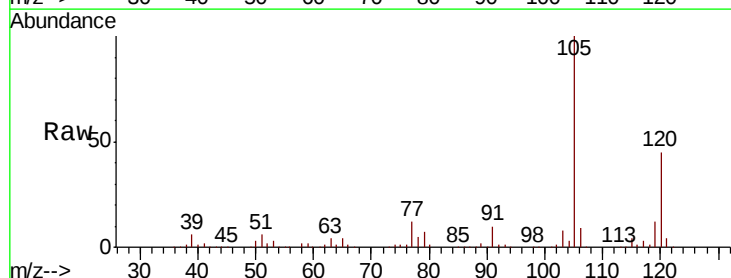
Acq: 23 Sep 2020 16:14

Tgt Ion:105 Resp: 429350

Ion Ratio Lower Upper

105 100

120 45.7 36.2 54.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300000

200000

100000

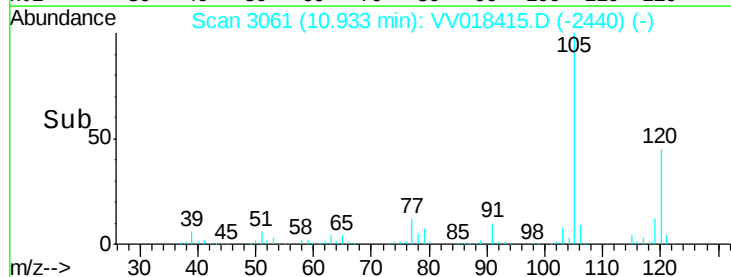
0

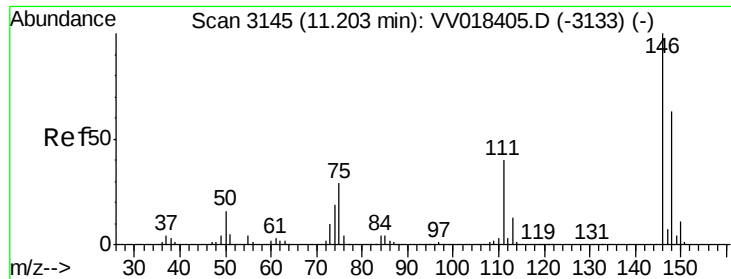
10.93

10.90

11.00

Time-->

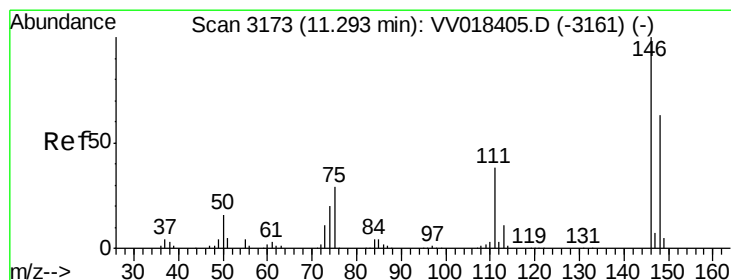
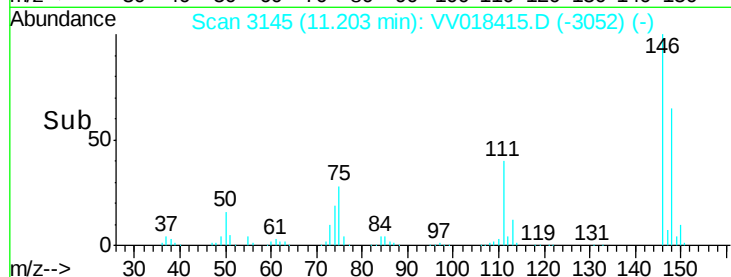
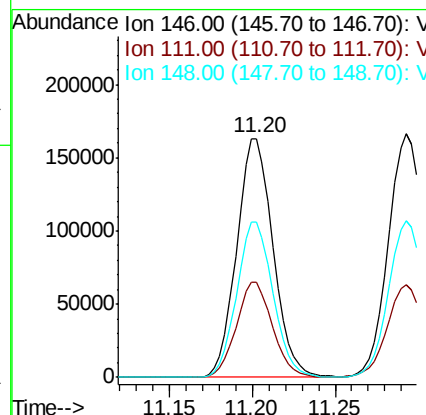
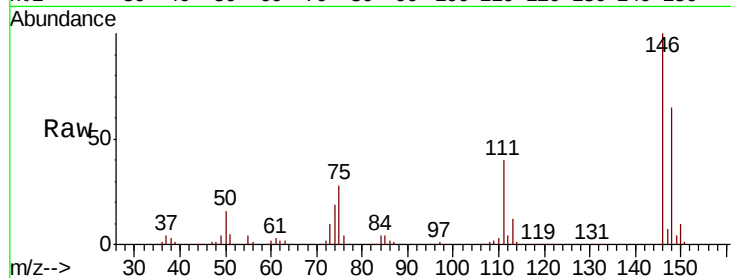




#64
 1,3-Dichlorobenzene
 Concen: 47.779 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

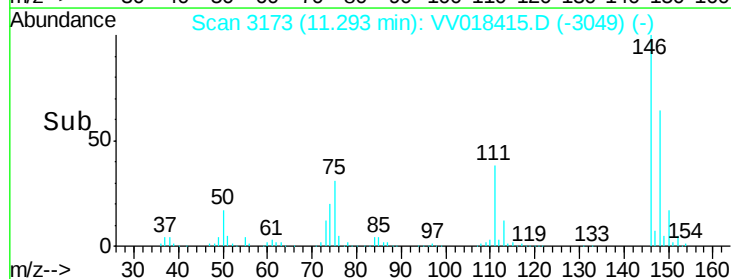
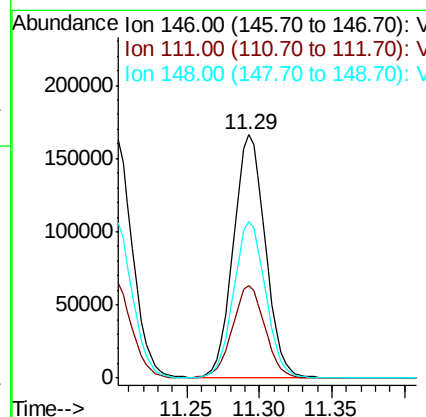
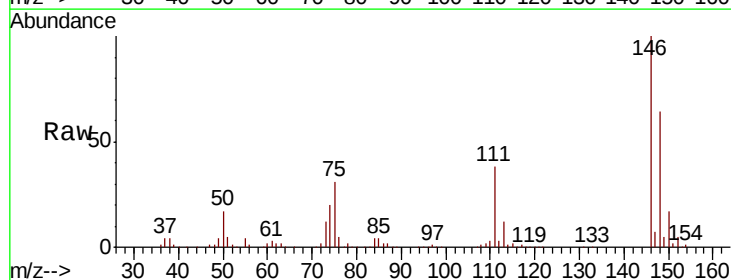
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

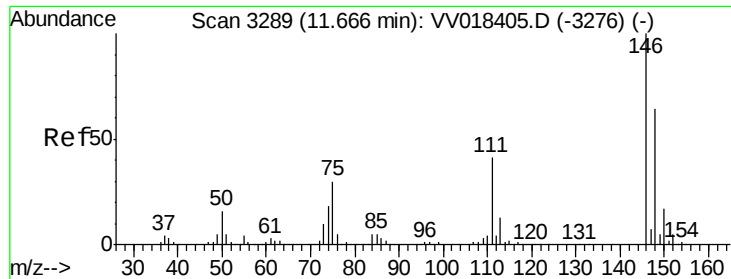
Tot Ion:146 Resp: 248556
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.6 51.4
 148 65.2 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 46.567 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Tgt Ion:146 Resp: 253888
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.6 49.4
 148 64.2 44.3 82.3

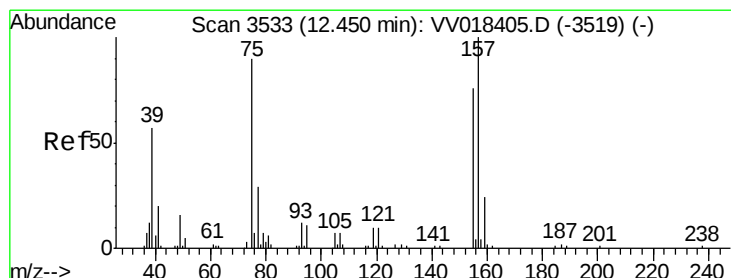
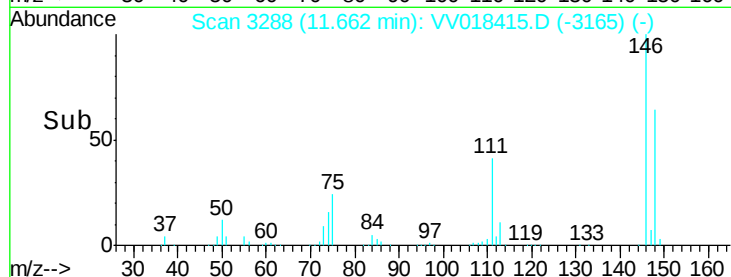
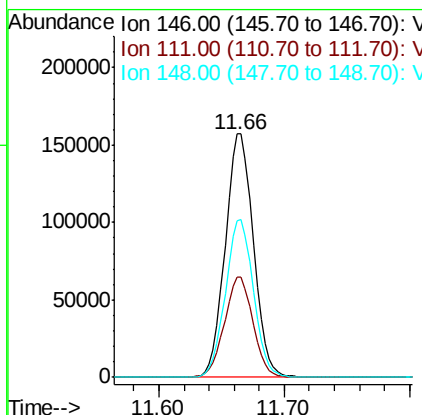
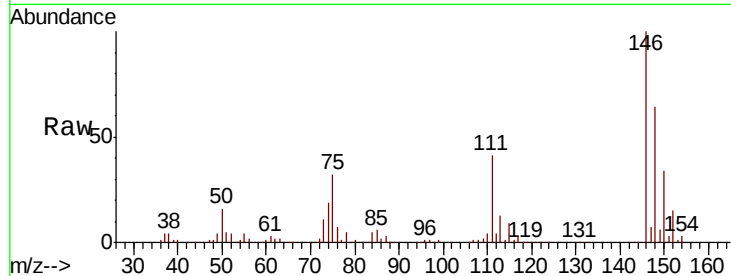




#67
 1,2-Dichlorobenzene
 Concen: 46.863 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

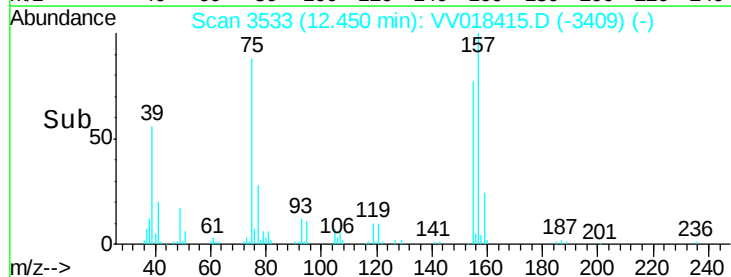
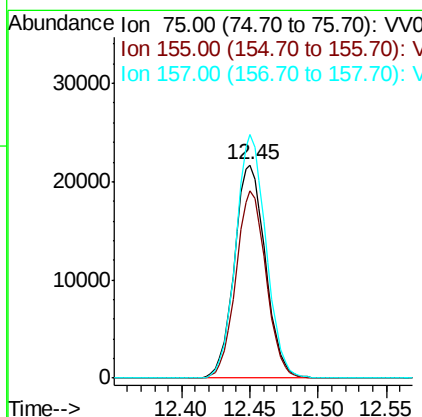
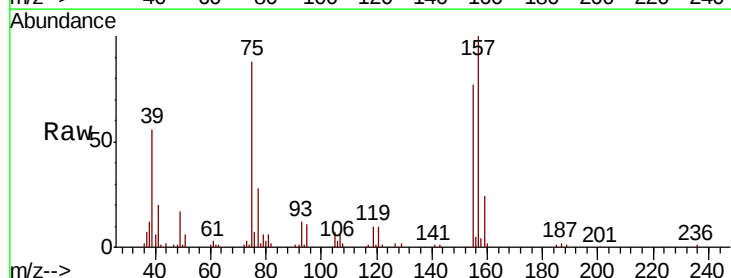
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

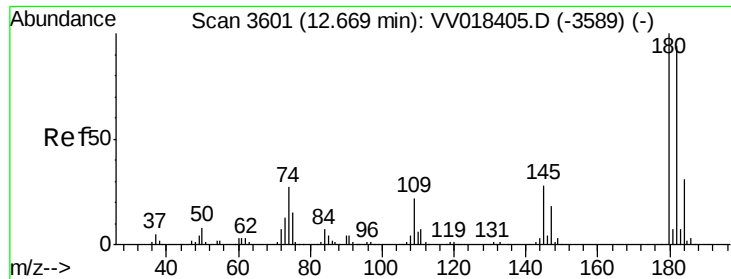
Tot Ion:146 Resp: 245121
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.6 49.0
 148 64.5 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 47.115 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Tgt Ion: 75 Resp: 34307
 Ion Ratio Lower Upper
 75 100
 155 87.5 67.6 101.4
 157 114.1 88.7 133.1

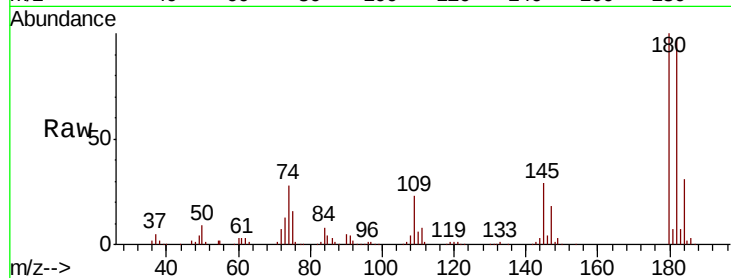




#69
 1,3,5-Trichlorobenzene
 Concen: 47.919 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050308

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
184	30.7	24.8	37.2
145	28.5	23.0	34.4

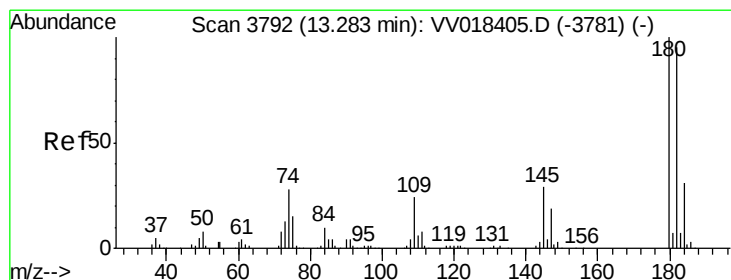
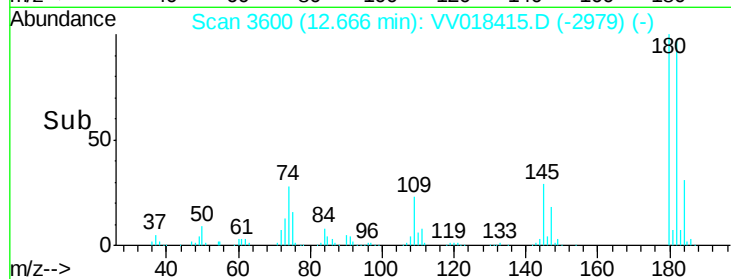
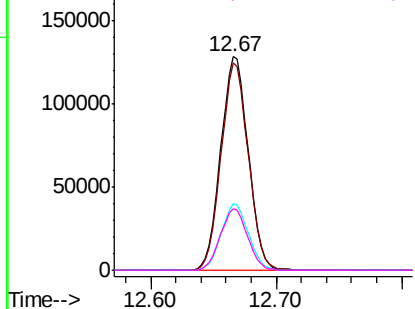


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

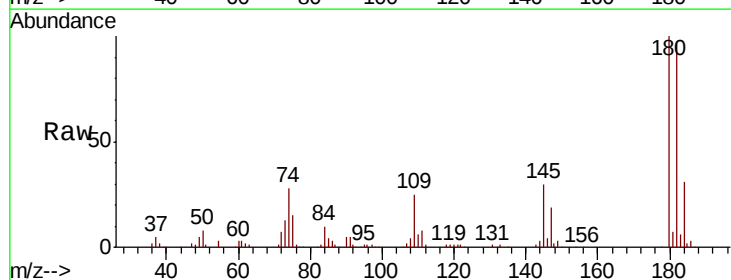
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 48.930 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018415.D
 Acq: 23 Sep 2020 16:14

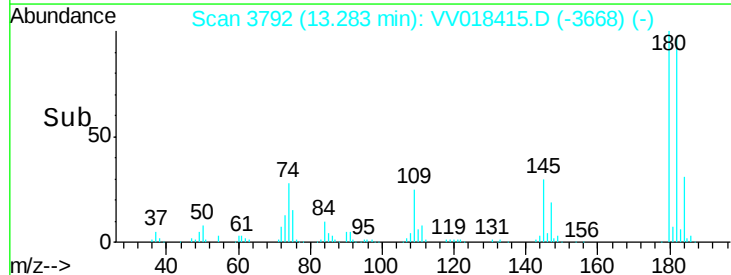
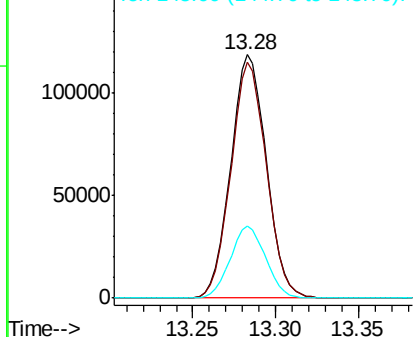
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	75.8	113.6
145	29.3	23.0	34.4

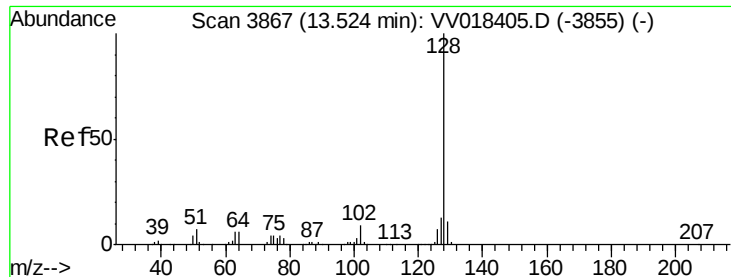


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

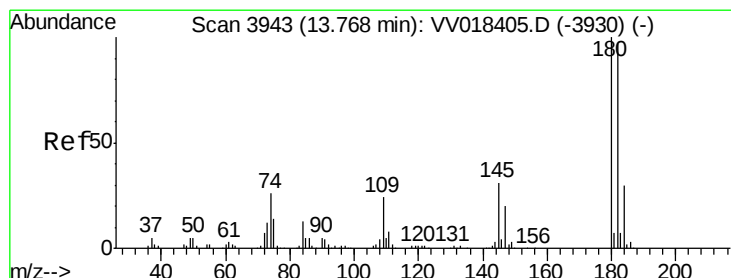
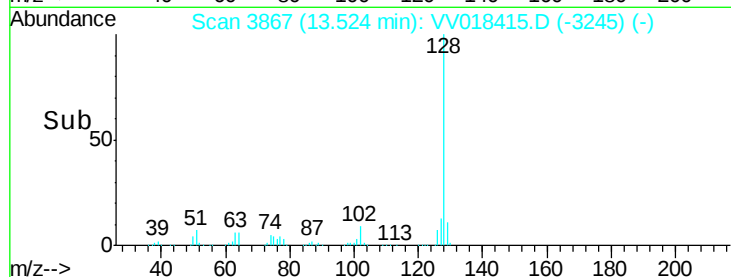
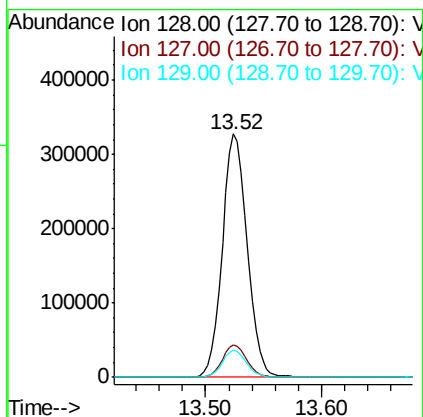
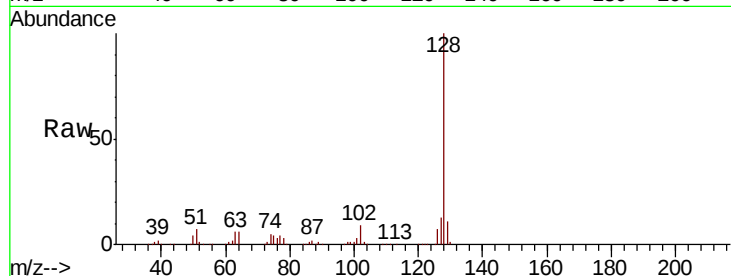




#71
Naphthalene
Concen: 51.862 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD050308

Tot Ion:128 Resp: 488958
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 49.442 ug/L
RT: 13.77 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VV018415.D
Acq: 23 Sep 2020 16:14

Tgt Ion:180 Resp: 180618
Ion Ratio Lower Upper
180 100
182 96.1 77.1 115.7
145 31.5 25.0 37.6

