

Data File : VV013595.D
Acq On : 12 Nov 2019 18:27
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Nov 13 04:31:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 13 04:27:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	399618	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	394578	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217436	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70539	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.58	69	76340	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.13	63	149516	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	3.96	46	244587	40.51	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.02%
24) Chloroform-d	4.40	84	236623	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.08	65	115182	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.09	84	377399	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.11	67	134500	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.36	98	325939	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.66	79	49249	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	283652	68.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.62%#
57) 1,1,2,2-Tetrachloroethane-	10.26	84	125428	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	171639	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	189112	4.837 ug/L	99
3) Chloromethane	1.25	50	176036	5.037 ug/L	100
5) Vinyl chloride	1.32	62	164841	4.900 ug/L	100
6) Bromomethane	1.53	94	93260	5.265 ug/L	98
8) Chloroethane	1.60	64	96040	5.171 ug/L	97
9) Trichlorofluoromethane	1.77	101	228264	5.041 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	126833	4.998 ug/L	97
12) 1,1-Dichloroethene	2.14	96	118631	4.936 ug/L	93
13) Acetone	2.23	43	88268	24.097 ug/L	85
14) Carbon disulfide	2.31	76	387147	5.360 ug/L	99
15) Methyl Acetate	2.47	43	32247	2.944 ug/L	99
16) Methylene chloride	2.53	84	145604	4.625 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	289557	4.560 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	142753	4.787 ug/L	96
19) 1,1-Dichloroethane	3.23	63	267540	4.808 ug/L	97
21) 2-Butanone	4.05	43	244412	36.479 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	143851	4.677 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	67552	4.744	ug/L	95
25) Chloroform	4.42	83	295702	4.873	ug/L	98
27) 1,2-Dichloroethane	5.18	62	158374	4.834	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	233650	4.776	ug/L	98
30) Cyclohexane	4.72	56	232145	4.715	ug/L	97
31) Carbon tetrachloride	4.87	117	213069	4.856	ug/L	100
33) Benzene	5.14	78	593823	4.843	ug/L	100
34) Trichloroethene	5.96	95	152969	4.627	ug/L	97
35) Methylcyclohexane	6.17	83	229087	4.559	ug/L	98
37) 1,2-Dichloropropane	6.22	63	144735	4.800	ug/L	99
38) Bromodichloromethane	6.55	83	187570	4.819	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	193877	4.628	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	858177	49.478	ug/L	98
42) Toluene	7.43	91	638488	5.007	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	160541	4.874	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	97845	4.722	ug/L	99
47) Tetrachloroethene	8.01	164	142684	4.937	ug/L	98
48) 2-Hexanone	8.18	43	647147	52.697	ug/L	99
49) Dibromochloromethane	8.29	129	131497	5.087	ug/L	97
50) 1,2-Dibromoethane	8.39	107	93315	4.822	ug/L	98
51) Chlorobenzene	8.92	112	406512	4.833	ug/L	99
52) Ethylbenzene	9.05	91	670993	4.912	ug/L	100
53) m,p-xylene	9.18	106	263797	5.177	ug/L	99
54) o-xylene	9.58	106	247160	5.050	ug/L	99
55) Styrene	9.60	104	439390	5.294	ug/L	99
56) Isopropylbenzene	9.97	105	666027	5.041	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	119616	5.407	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	85813	4.794	ug/L	100
61) Bromoform	9.77	173	76652	4.974	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	343652	4.711	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	345432	4.741	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	312107	4.677	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	18708	5.505	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	274389	4.822	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	218695	4.823	ug/L	99
69) Naphthalene	13.55	128	285189	4.657	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	210525	4.946	ug/L	99

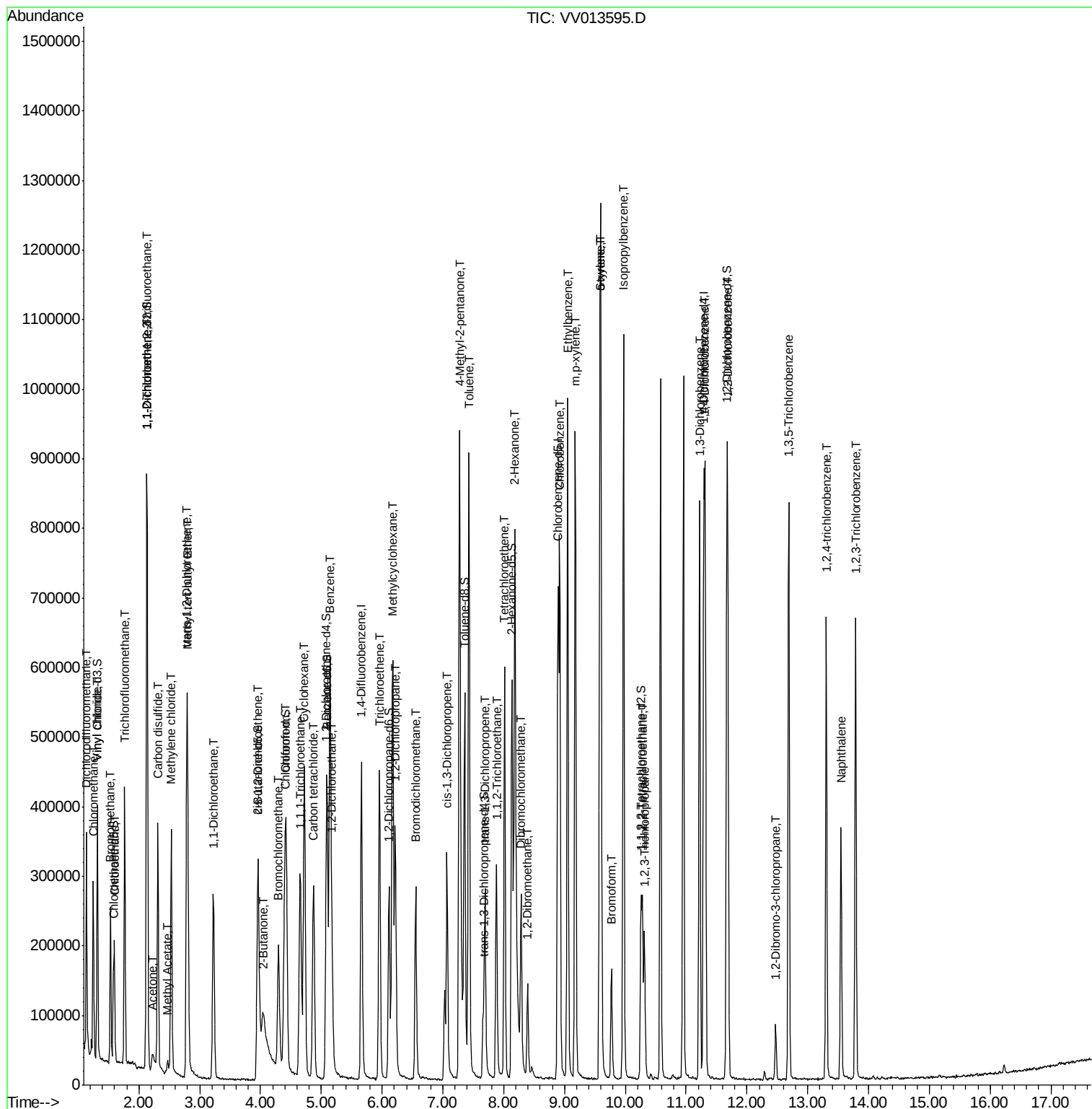
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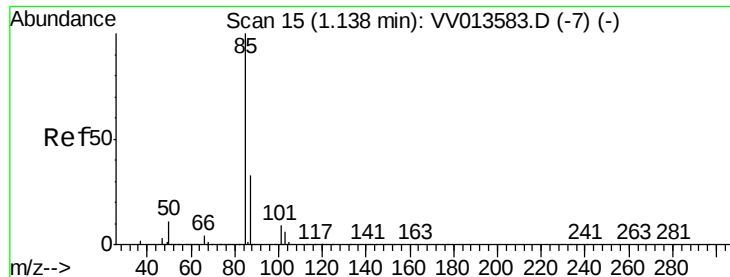
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#2

Dichlorodifluoromethane

Concen: 4.837 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

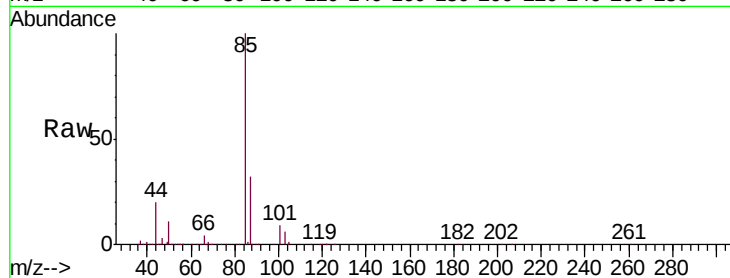
VSTD00556

Tgt Ion: 85 Resp: 189112

Ion Ratio Lower Upper

85 100

87 33.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

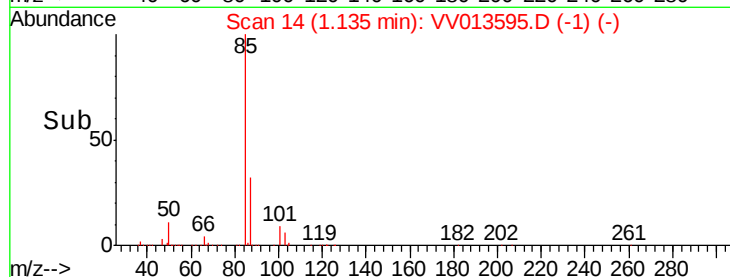
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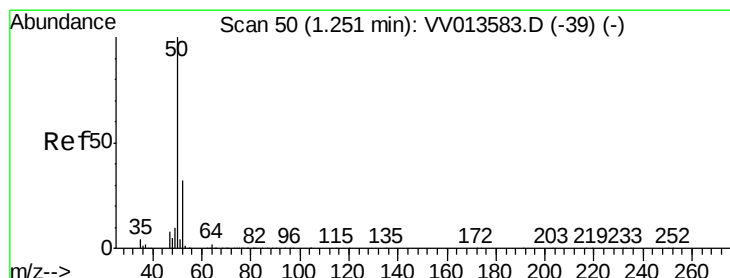
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 5.037 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013595.D

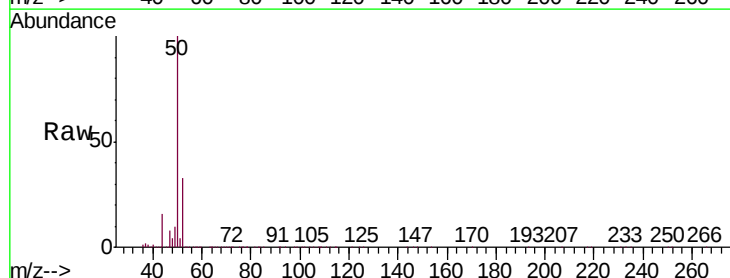
Acq: 12 Nov 2019 18:27

Tgt Ion: 50 Resp: 176036

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

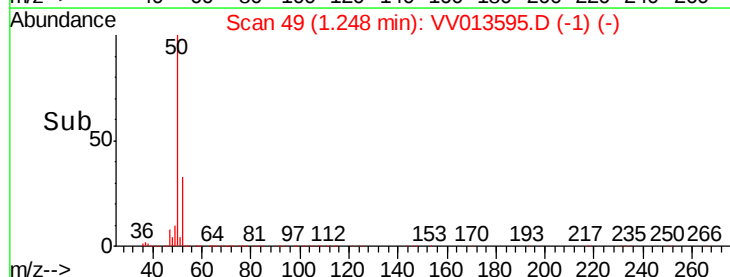
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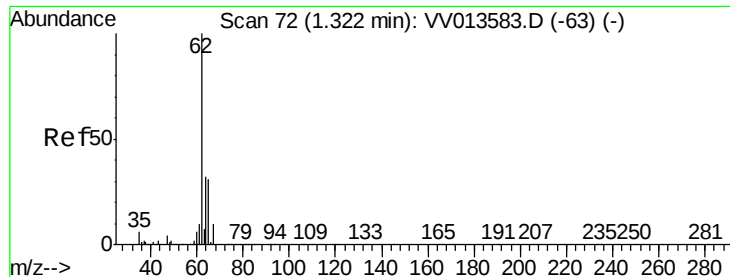
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.900 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

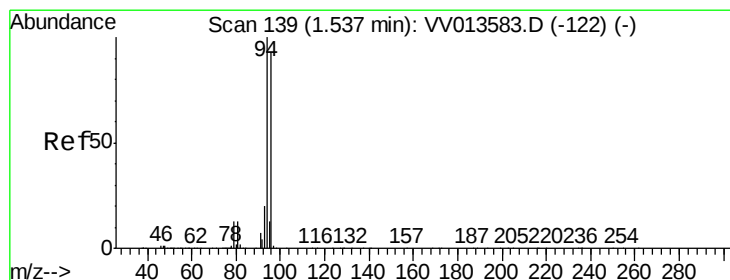
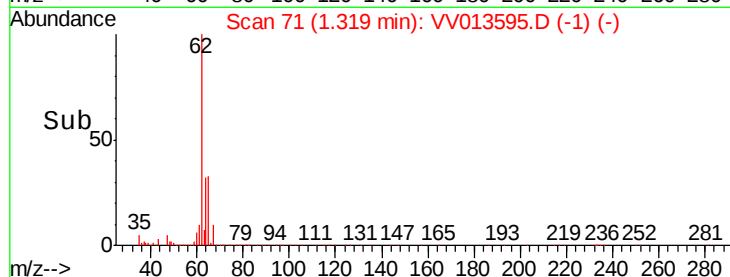
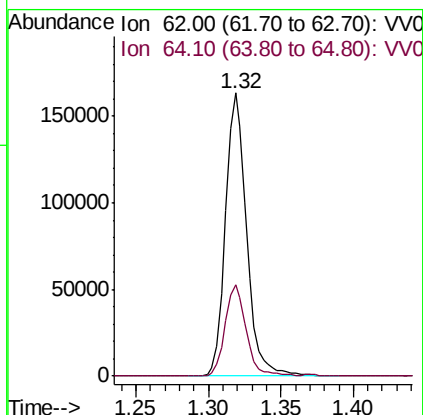
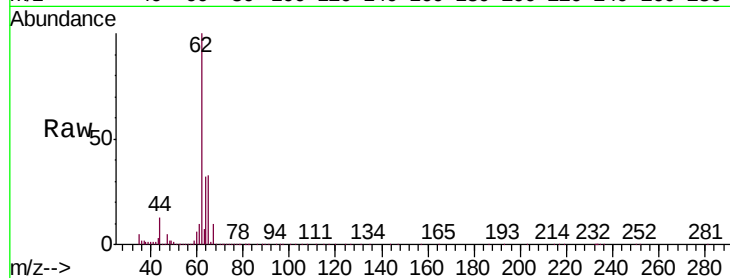
VSTD00556

Tgt Ion: 62 Resp: 164841

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



#6

Bromomethane

Concen: 5.265 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013595.D

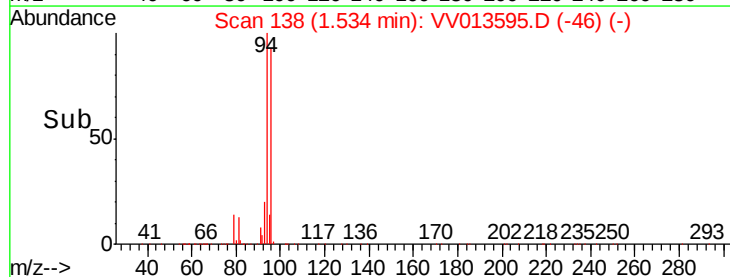
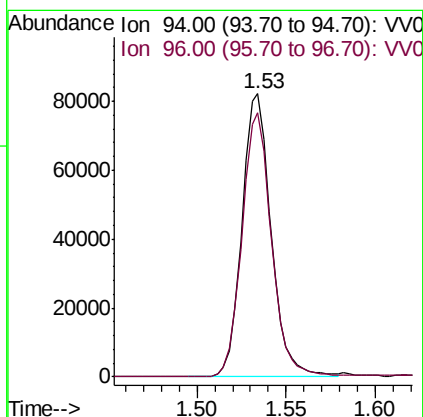
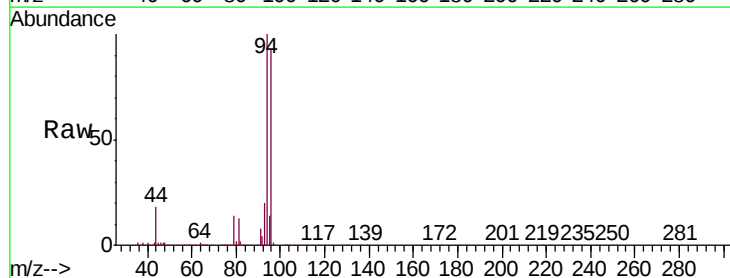
Acq: 12 Nov 2019 18:27

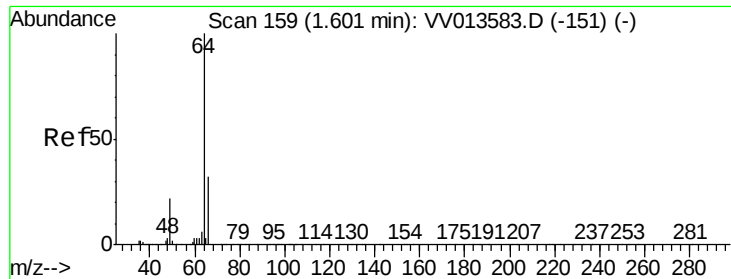
Tgt Ion: 94 Resp: 93260

Ion Ratio Lower Upper

94 100

96 93.2 66.4 123.4





#8

Chloroethane

Concen: 5.171 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

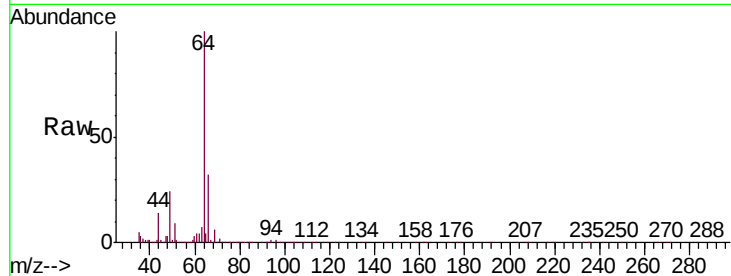
VSTD00556

Tgt Ion: 64 Resp: 96040

Ion Ratio Lower Upper

64 100

66 31.7 21.1 39.3

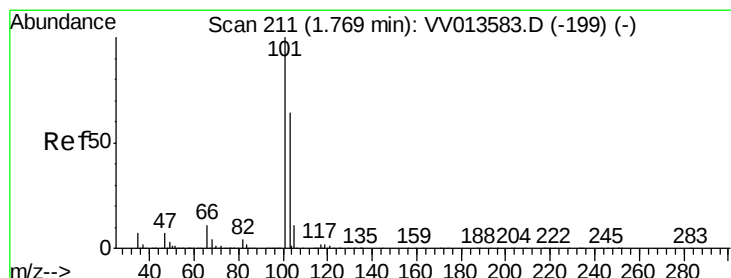
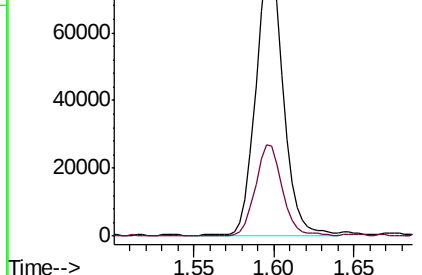
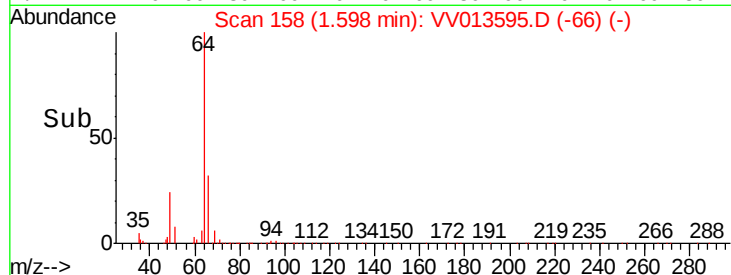


Abundance Ion 64.10 (63.80 to 64.80): VV013583.D (-151) (-)

Ion 66.05 (65.75 to 66.75): VV013583.D (-151) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 5.041 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013595.D

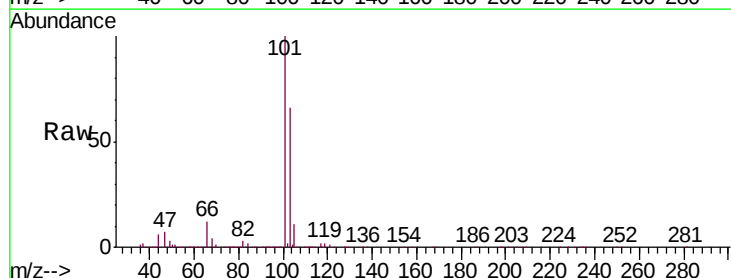
Acq: 12 Nov 2019 18:27

Tgt Ion: 101 Resp: 228264

Ion Ratio Lower Upper

101 100

103 65.6 50.5 75.7

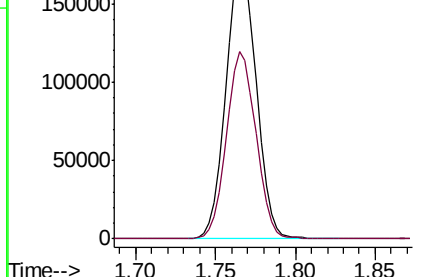
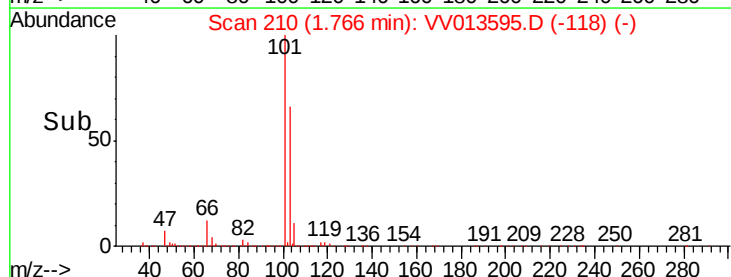


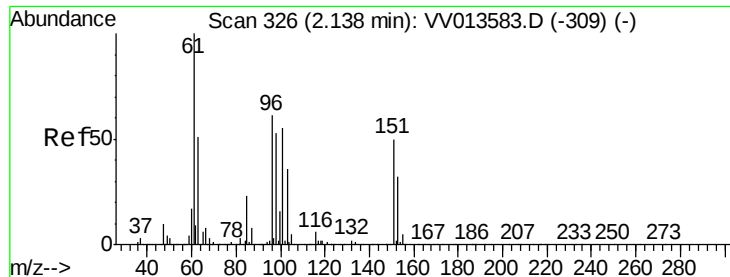
Abundance Ion 101.00 (100.70 to 101.70): VV013583.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013583.D (-199) (-)

1.77

Time-->





#10

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

Concen: 4.998 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

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ClientSampleId :

VSTD00556

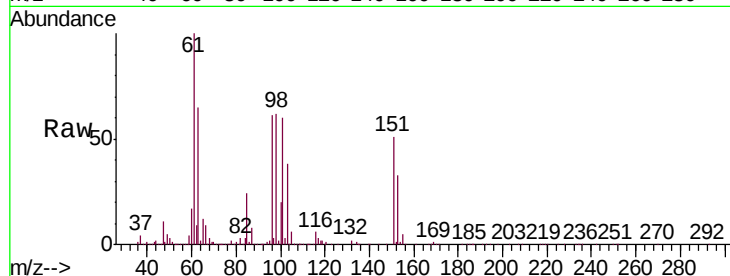
Tgt Ion: 101 Resp: 126833

Ion Ratio Lower Upper

101 100

85 39.9 33.8 50.8

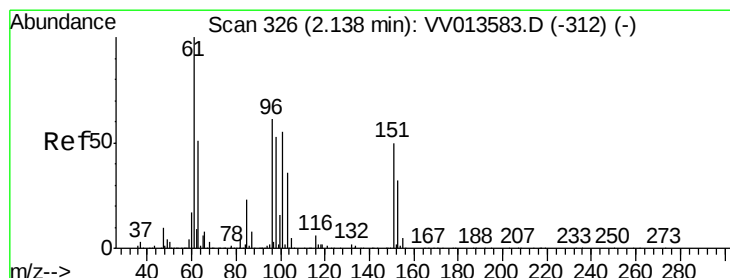
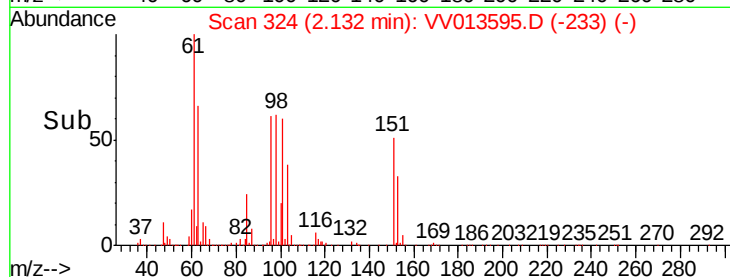
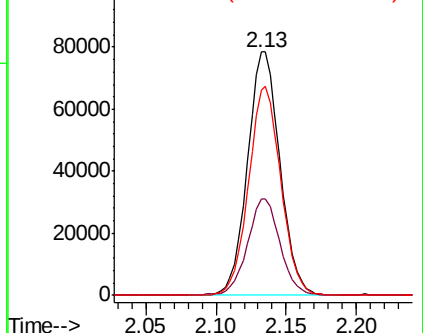
151 85.1 69.5 104.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.936 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

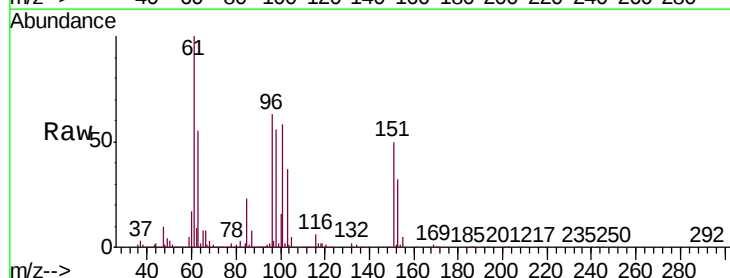
Tgt Ion: 96 Resp: 118631

Ion Ratio Lower Upper

96 100

61 159.3 117.1 217.5

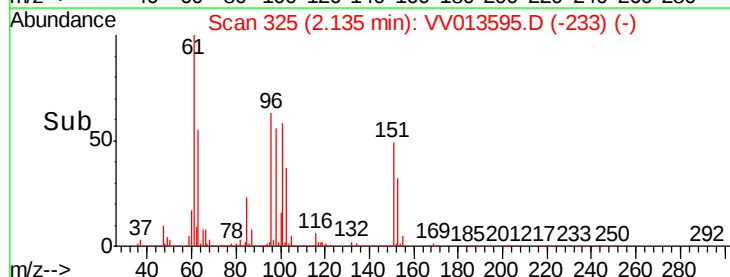
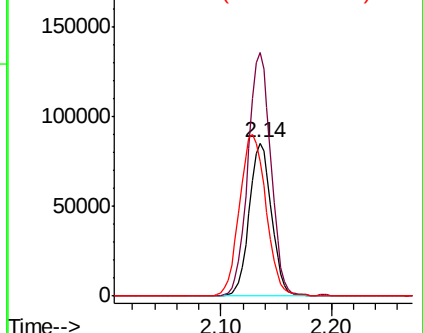
63 88.0 68.5 127.1

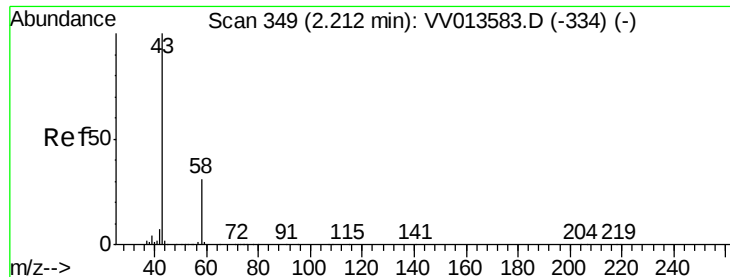


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 24.097 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.02 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

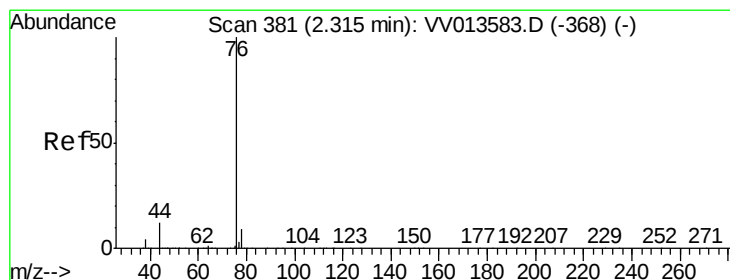
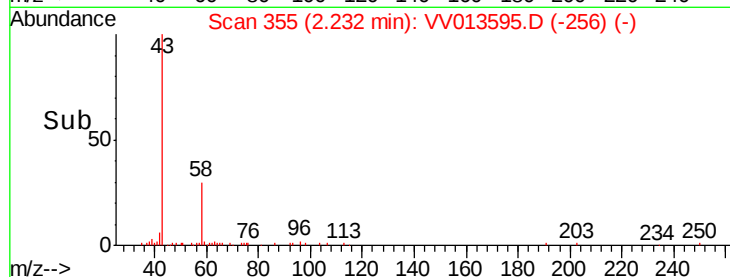
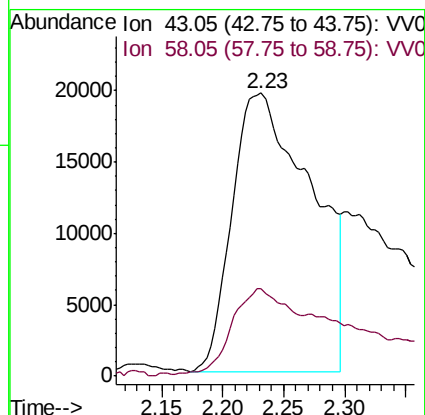
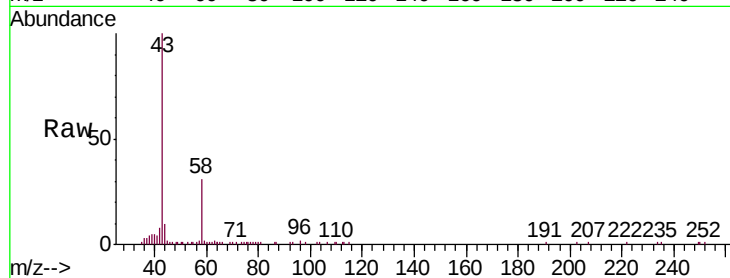
VSTD00556

Tgt Ion: 43 Resp: 88268

Ion Ratio Lower Upper

43 100

58 22.1 0.0 60.8



#14

Carbon disulfide

Concen: 5.360 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

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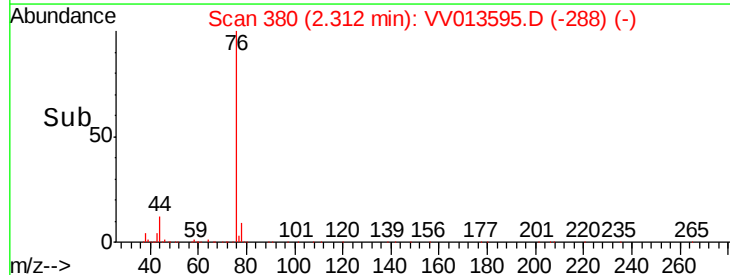
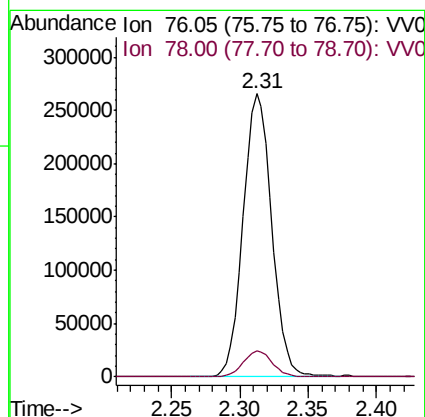
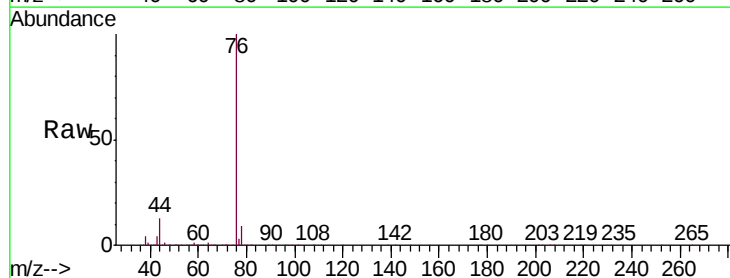
Acq: 12 Nov 2019 18:27

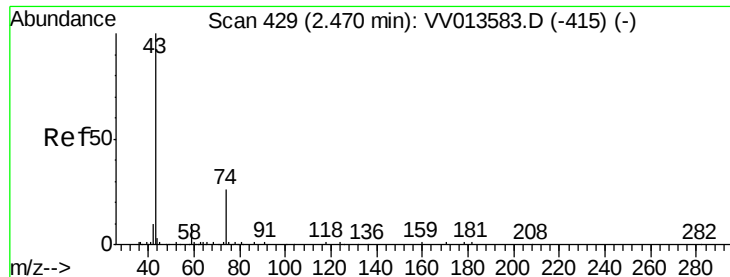
Tgt Ion: 76 Resp: 387147

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

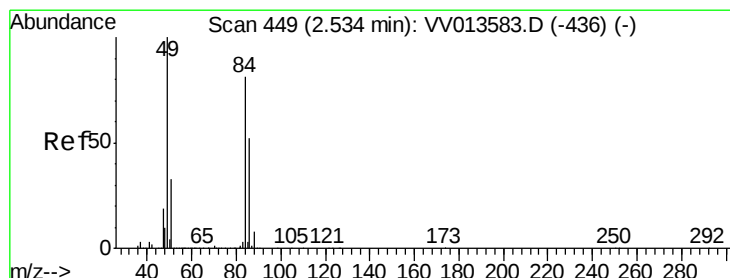
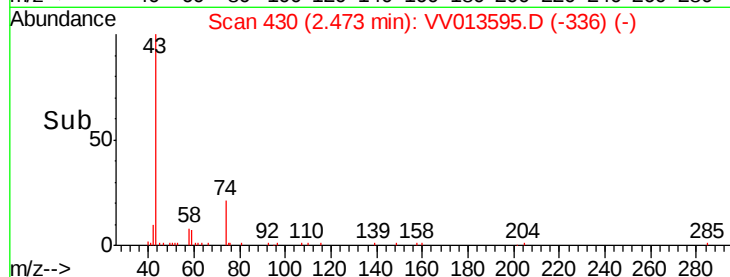
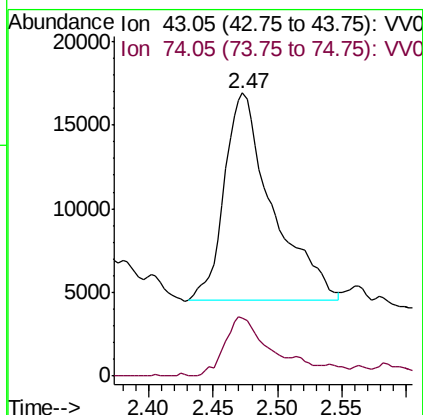
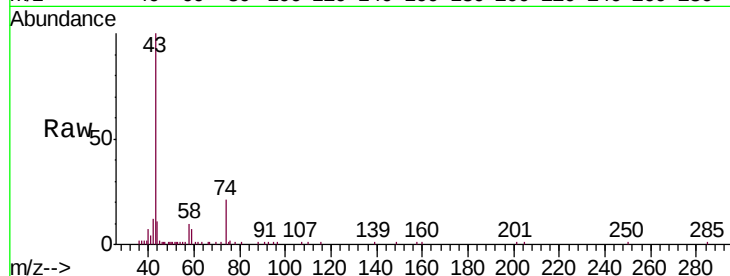




#15
Methyl Acetate
Concen: 2.944 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

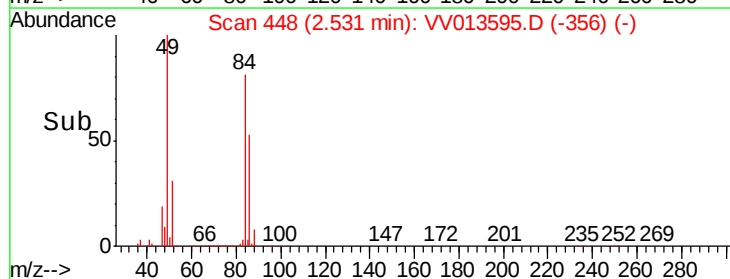
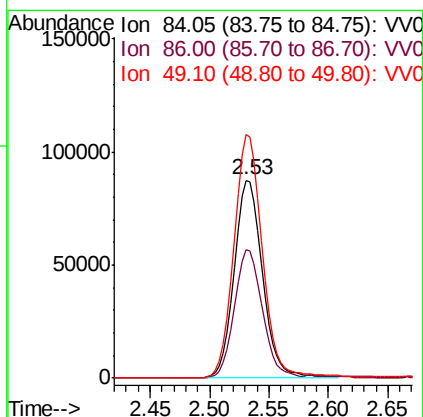
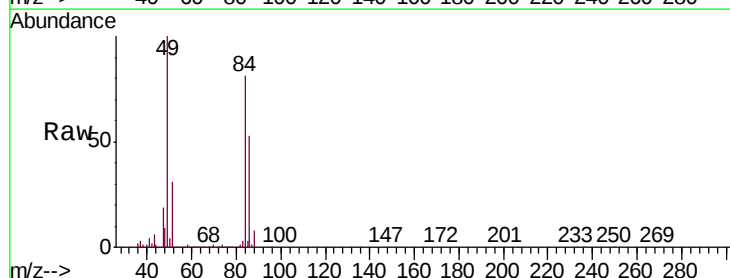
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

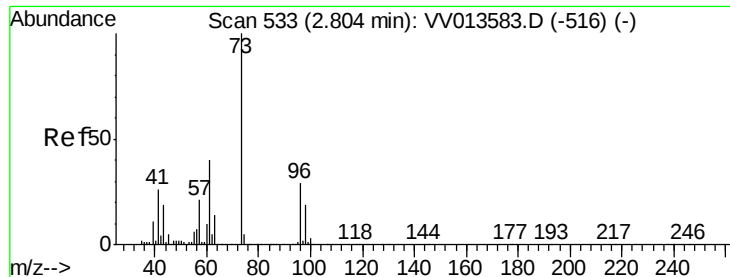
Tgt Ion: 43 Resp: 32247
Ion Ratio Lower Upper
43 100
74 23.9 19.4 29.0



#16
Methylene chloride
Concen: 4.625 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Tgt Ion: 84 Resp: 145604
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 122.9 88.8 164.8



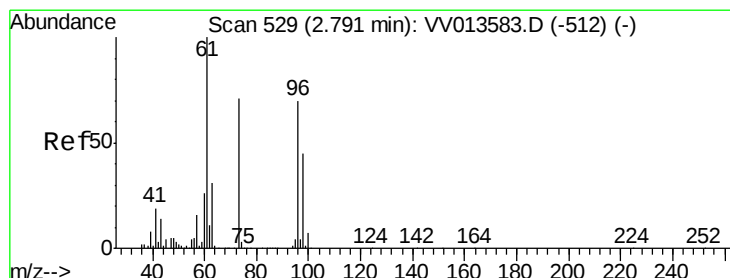
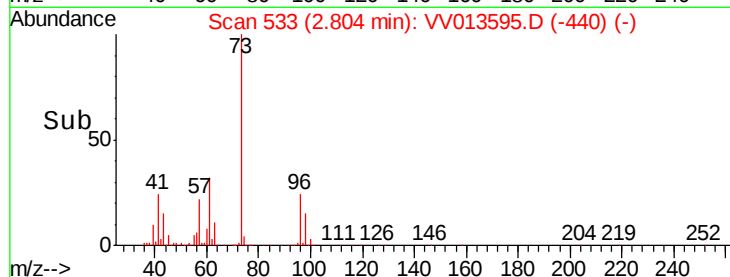
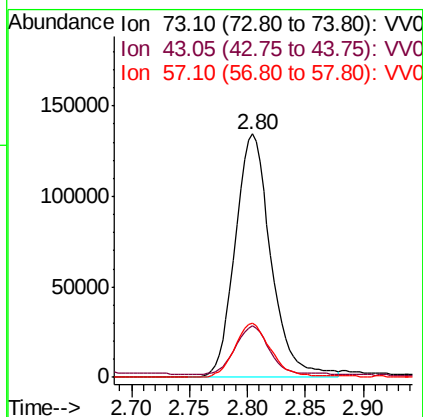
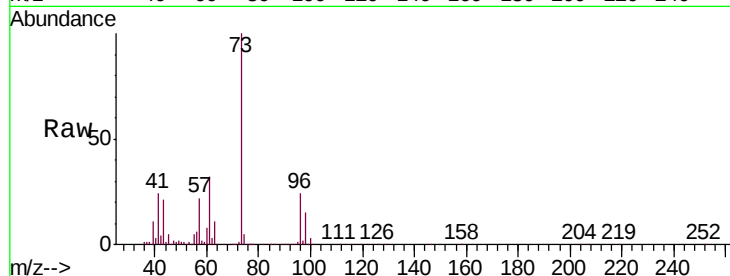


#17

Methyl tert-butyl Ether
Concen: 4.560 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

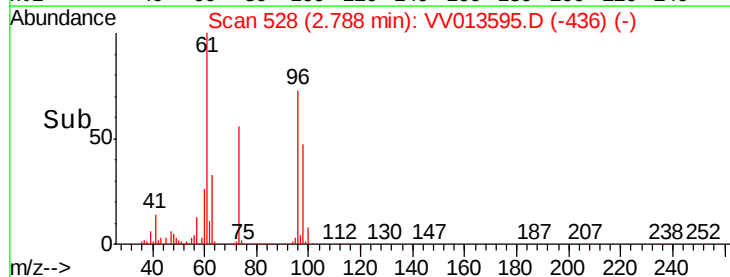
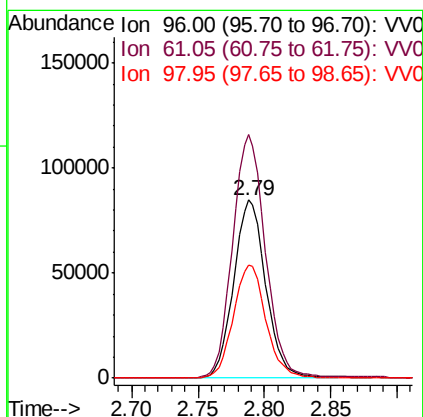
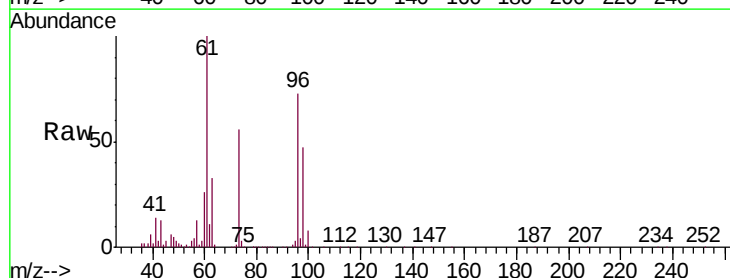
Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.7	16.4	24.6
57	22.5	18.2	27.2

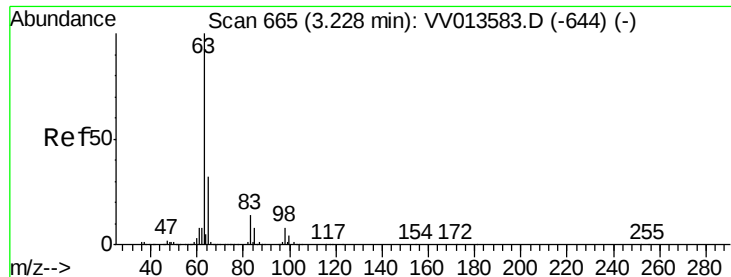


#18

trans-1,2-Dichloroethene
Concen: 4.787 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.0	100.0	185.8
98	63.8	45.3	84.1

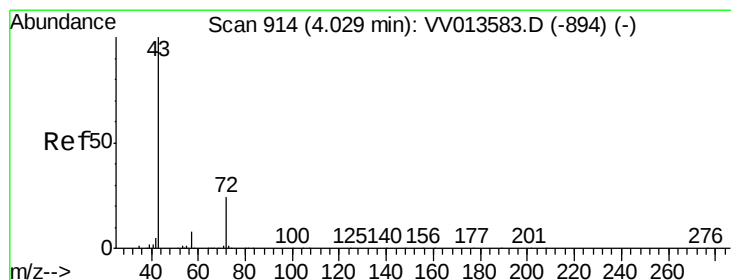
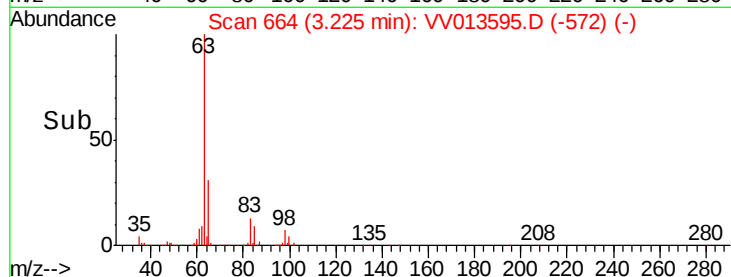
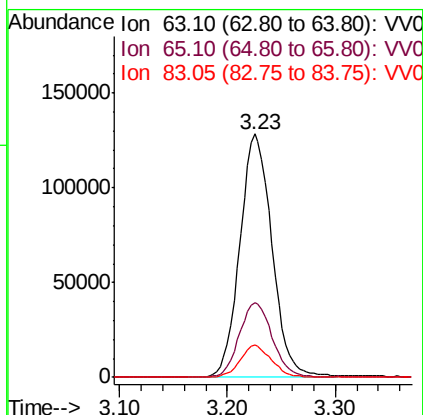
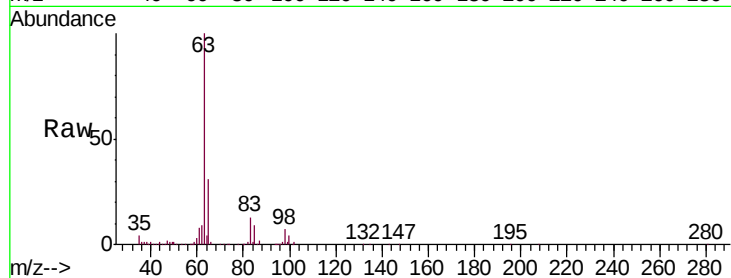




#19
 1,1-Dichloroethane
 Concen: 4.808 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

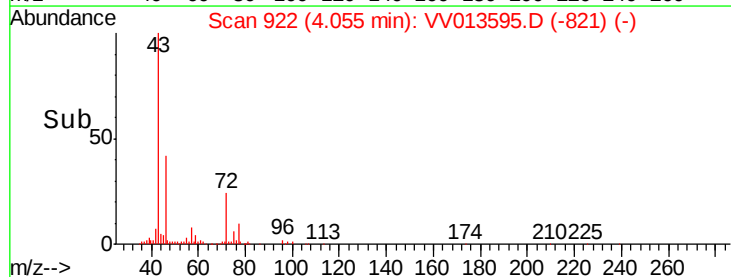
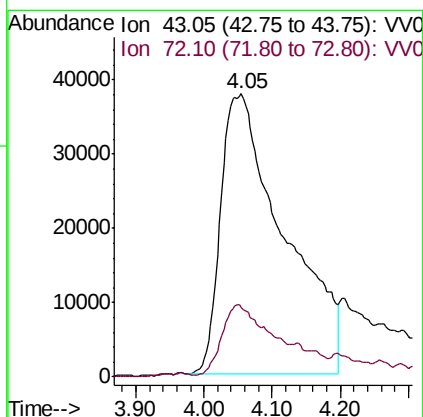
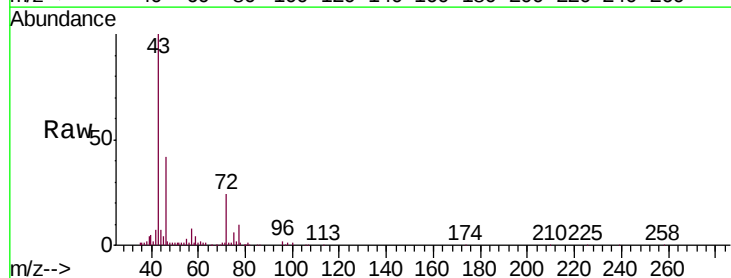
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

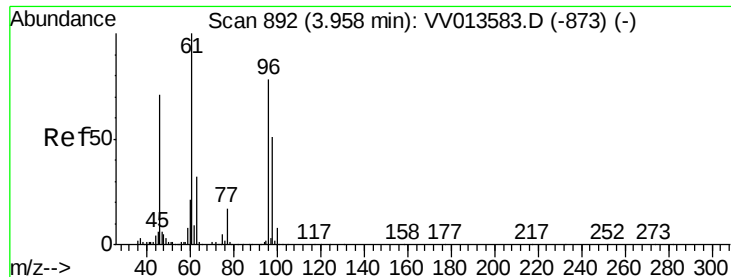
Tgt Ion: 63 Resp: 267540
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.9 42.5
 83 13.4 9.1 16.9



#21
 2-Butanone
 Concen: 36.479 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.03 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

Tgt Ion: 43 Resp: 244412
 Ion Ratio Lower Upper
 43 100
 72 18.8 11.6 34.7



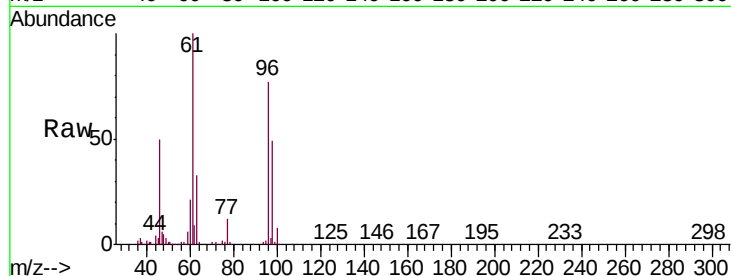


#22

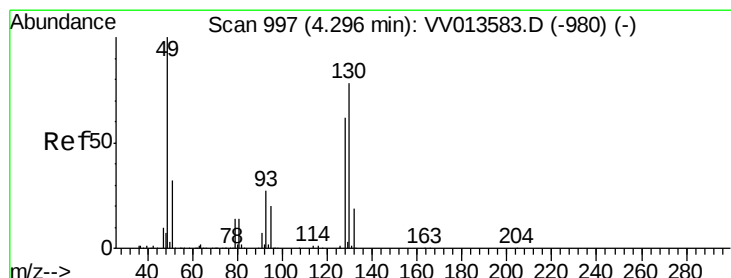
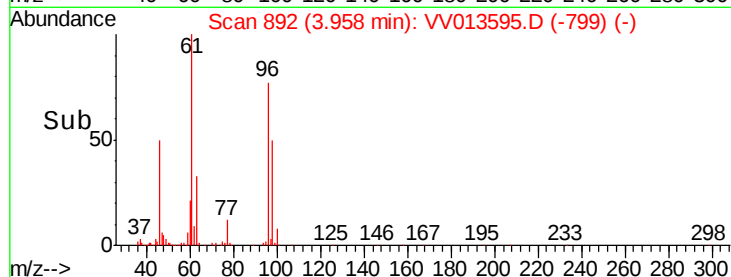
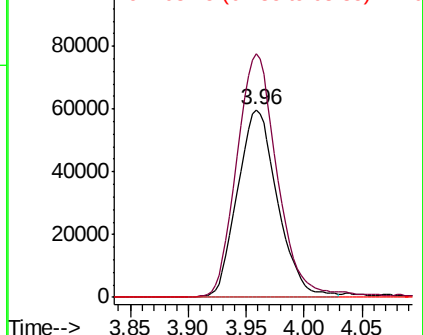
cis-1,2-Dichloroethene
Concen: 4.677 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion: 96 Resp: 143851
Ion Ratio Lower Upper
96 100
61 129.6 94.6 175.8
68 0.0 0.1 0.3#



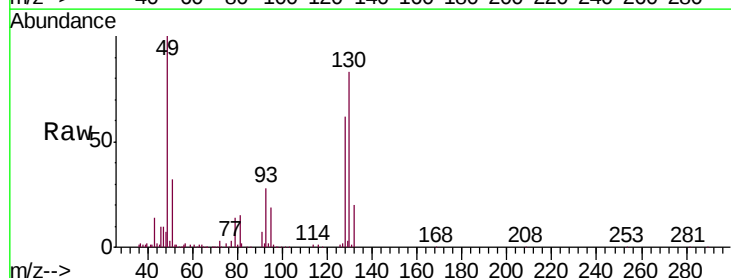
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



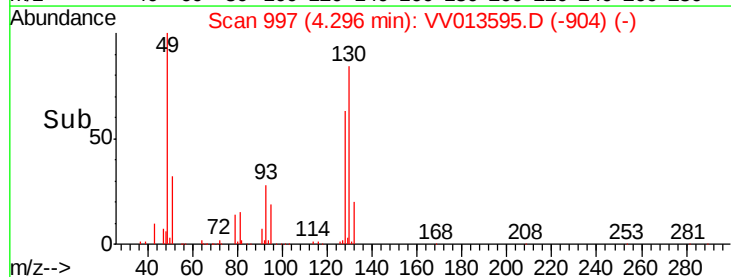
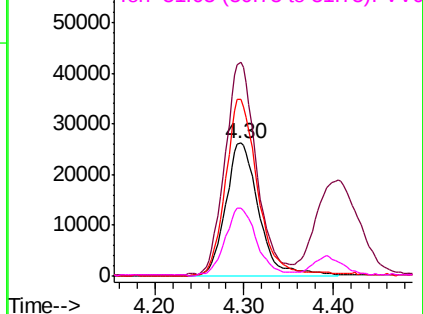
#23

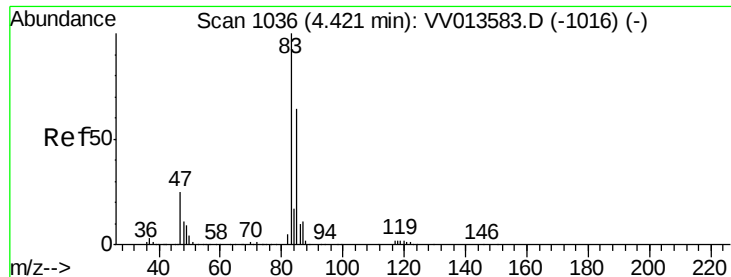
Bromochloromethane
Concen: 4.744 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Tgt Ion: 128 Resp: 67552
Ion Ratio Lower Upper
128 100
49 160.5 115.9 215.3
130 133.0 87.6 162.6
51 51.4 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 4.873 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

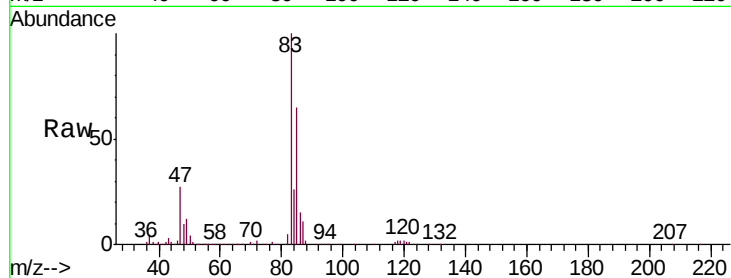
VSTD00556

Tgt Ion: 83 Resp: 295702

Ion Ratio Lower Upper

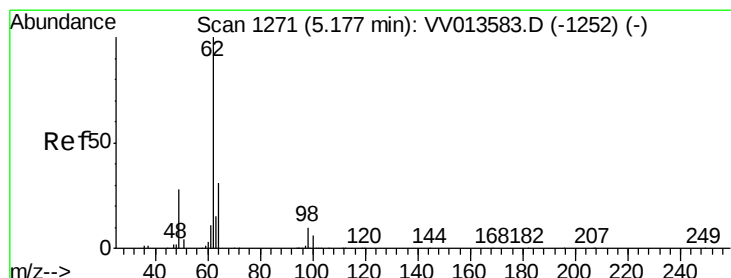
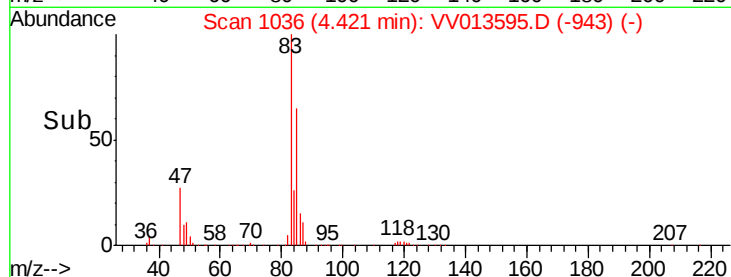
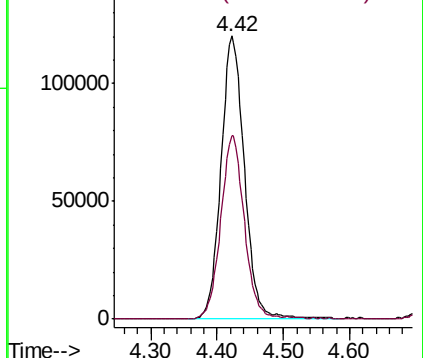
83 100

85 64.7 46.3 86.1



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 4.834 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013595.D

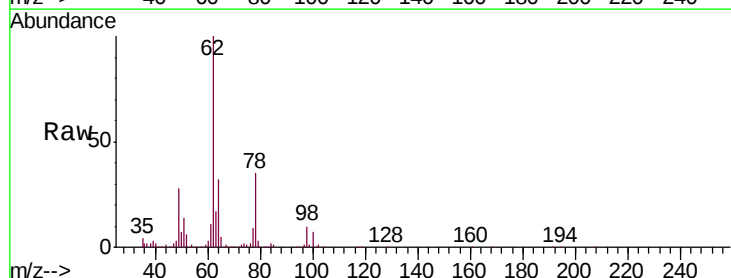
Acq: 12 Nov 2019 18:27

Tgt Ion: 62 Resp: 158374

Ion Ratio Lower Upper

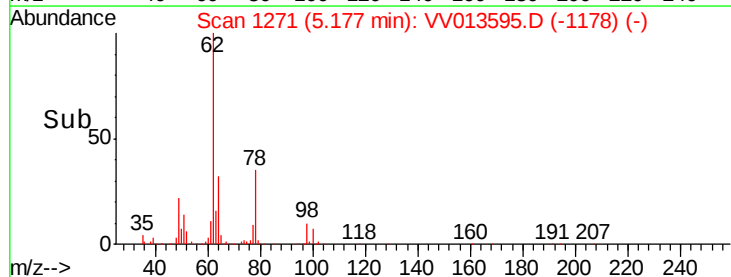
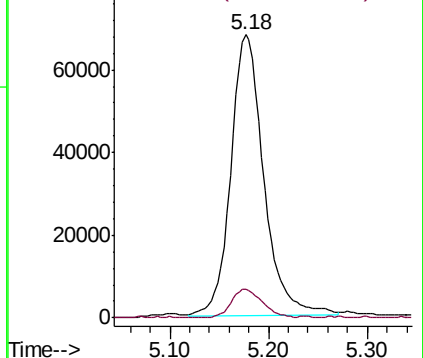
62 100

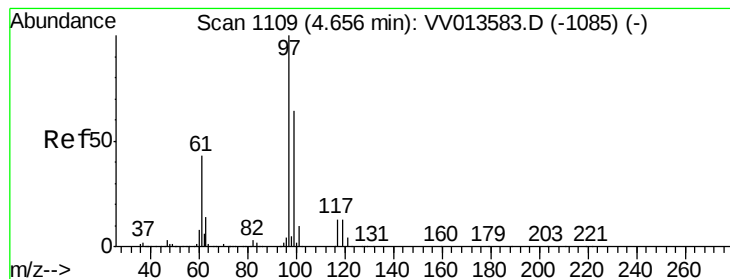
98 10.0 7.4 11.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 4.776 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

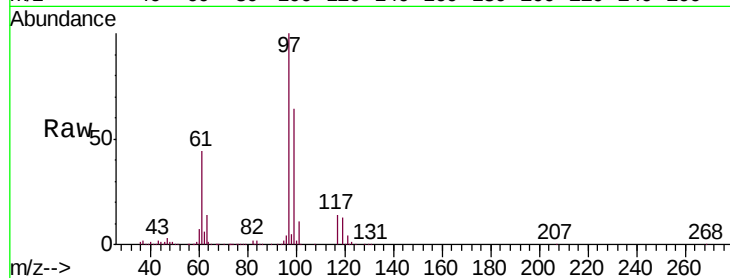
Tgt Ion: 97 Resp: 233650

Ion Ratio Lower Upper

97 100

99 65.1 50.4 75.6

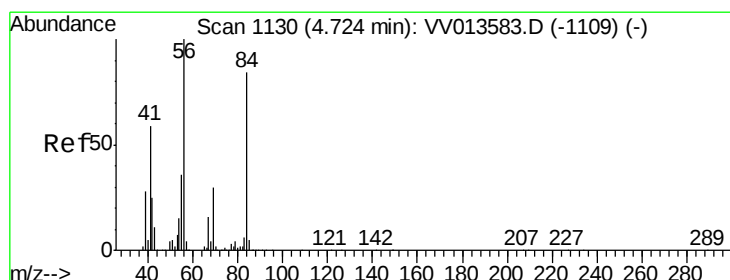
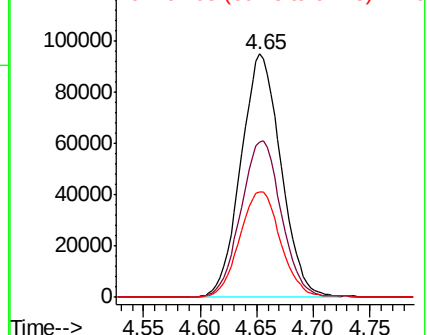
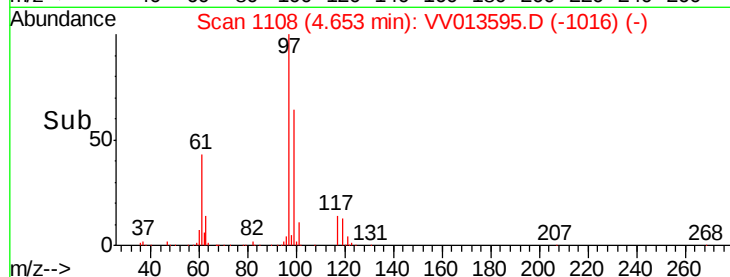
61 44.7 35.5 53.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.715 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

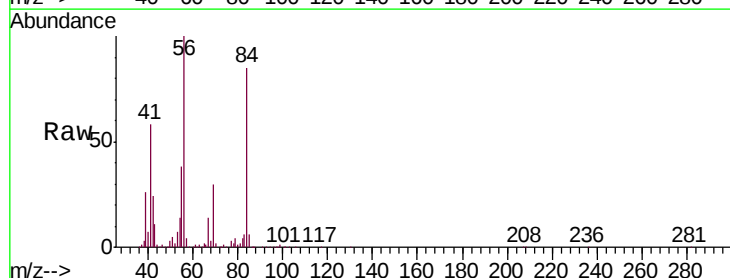
Tgt Ion: 56 Resp: 232145

Ion Ratio Lower Upper

56 100

69 30.5 22.9 34.3

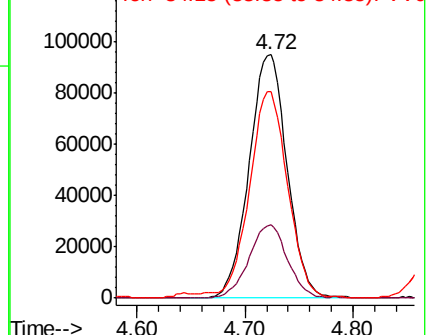
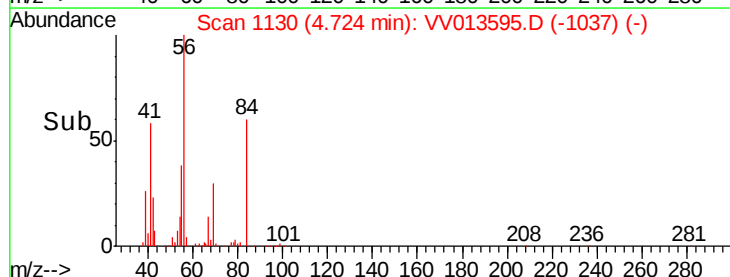
84 85.9 67.2 100.8

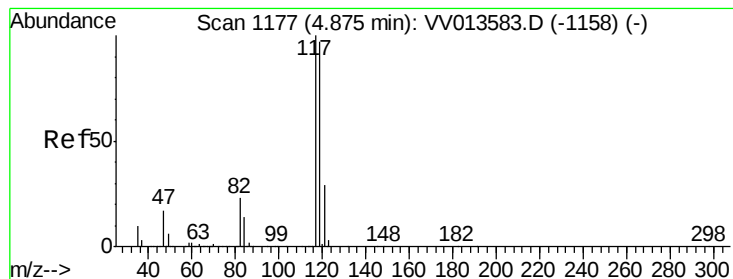


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.856 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

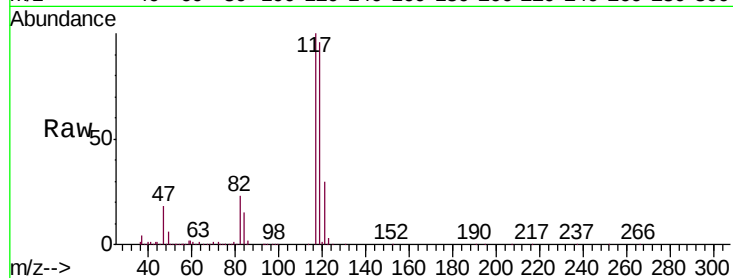
VSTD00556

Tgt Ion:117 Resp: 213069

Ion Ratio Lower Upper

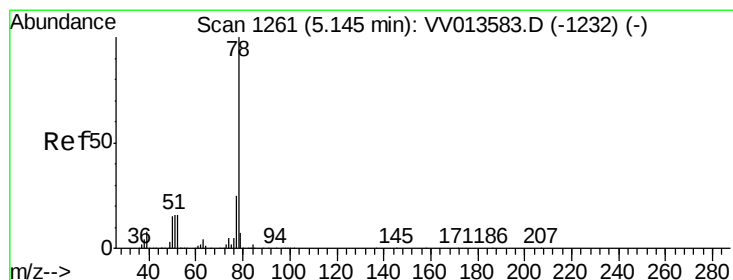
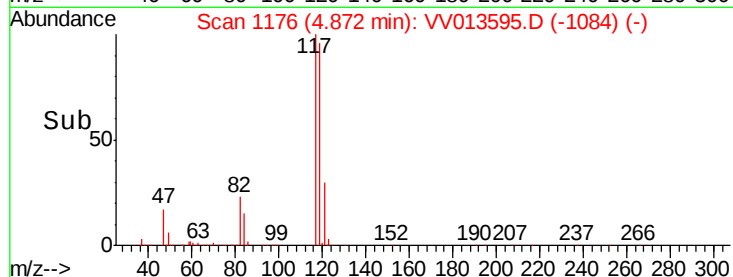
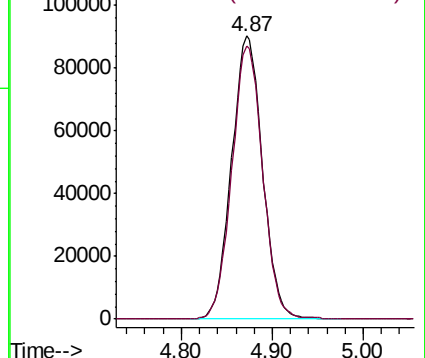
117 100

119 96.3 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.843 ug/L

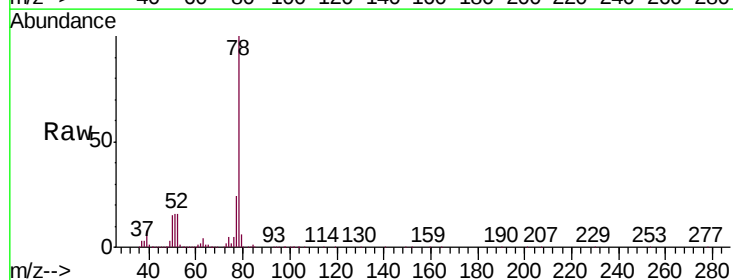
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

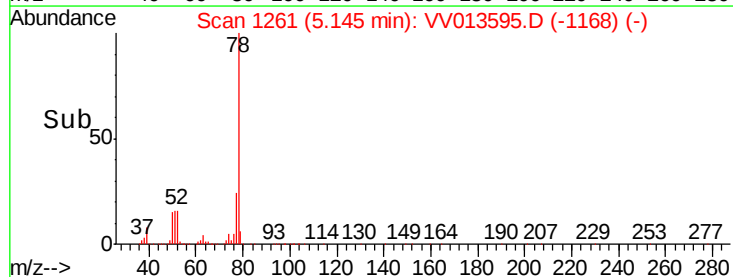
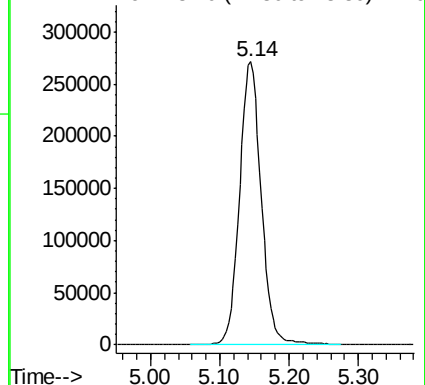
Lab File: VV013595.D

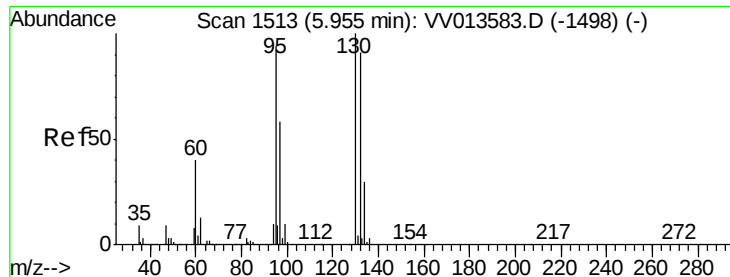
Acq: 12 Nov 2019 18:27

Tgt Ion: 78 Resp: 593823



Abundance Ion 78.10 (77.80 to 78.80): VV0

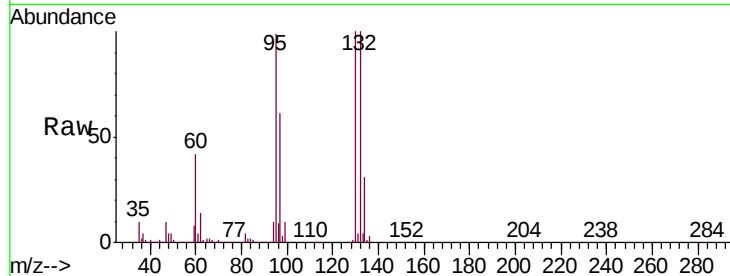




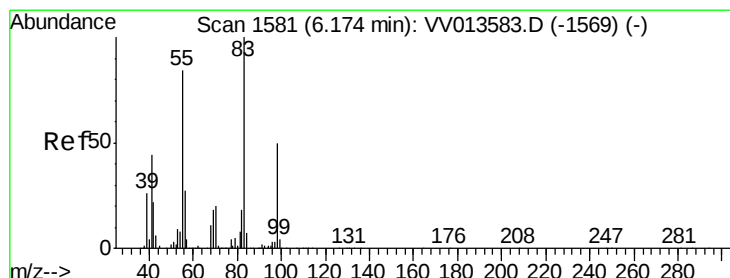
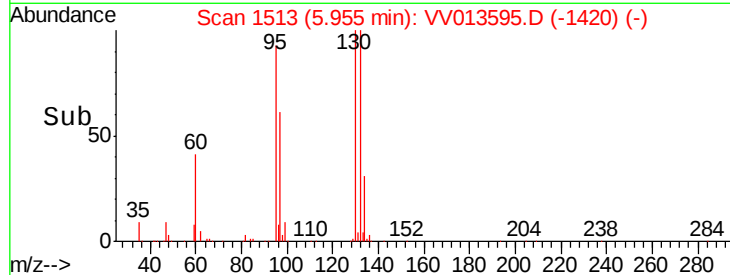
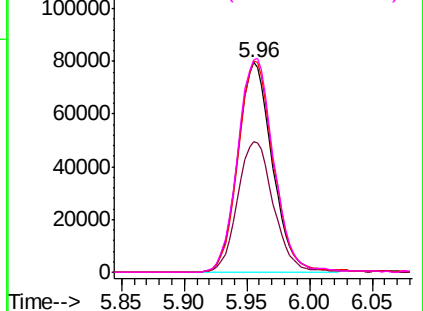
#34
 Trichloroethene
 Concen: 4.627 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	95	Resp:	152969
Ion	Ratio	Lower	Upper
95	100		
97	62.1	44.7	83.1
132	100.9	71.6	133.0
130	101.2	74.6	138.6

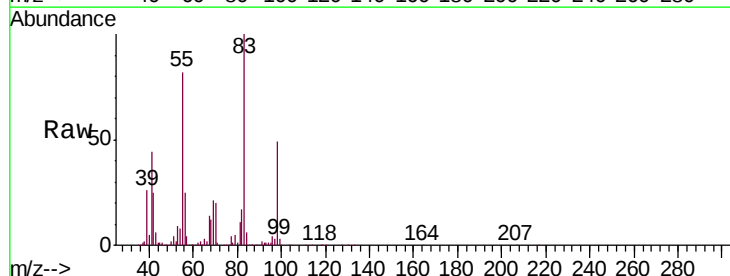


Abundance Ion 95.00 (94.70 to 95.70): VV013595.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013595.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013595.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013595.D (-1420) (-)

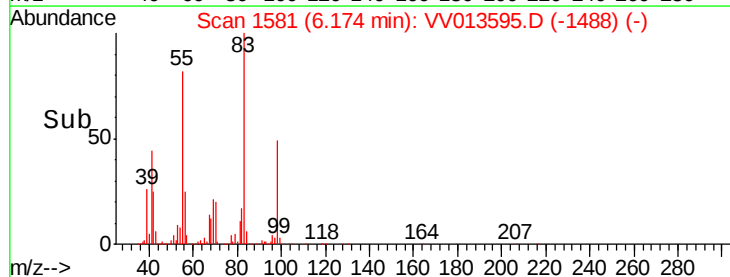
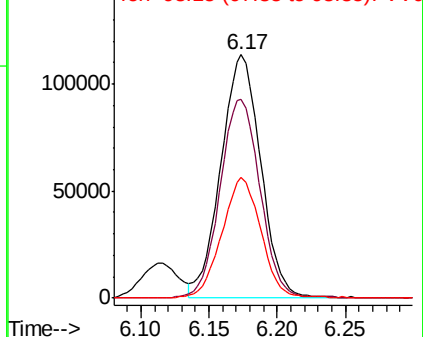


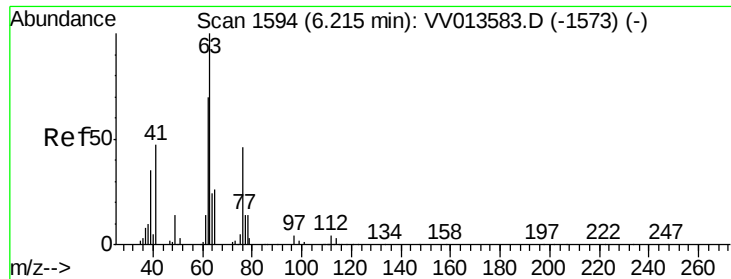
#35
 Methylcyclohexane
 Concen: 4.559 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

Tgt Ion:	83	Resp:	229087
Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.8	95.8
98	48.9	38.4	57.6



Abundance Ion 83.15 (82.85 to 83.85): VV013595.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV013595.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV013595.D (-1488) (-)

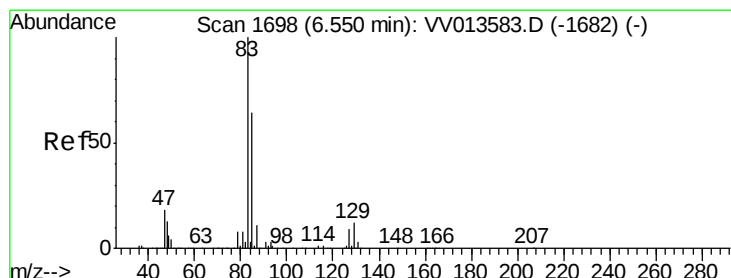
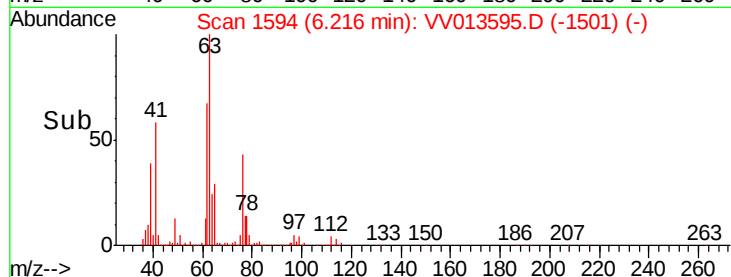
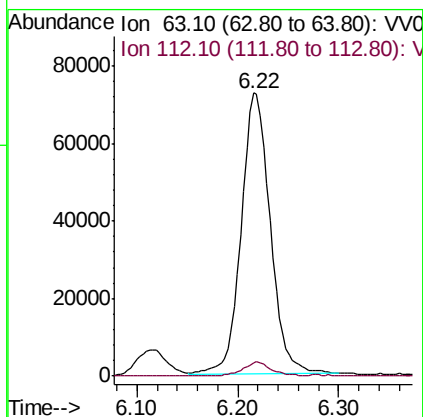
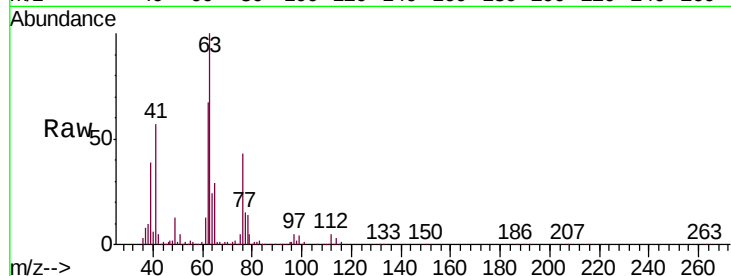




#37
 1,2-Dichloropropane
 Concen: 4.800 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

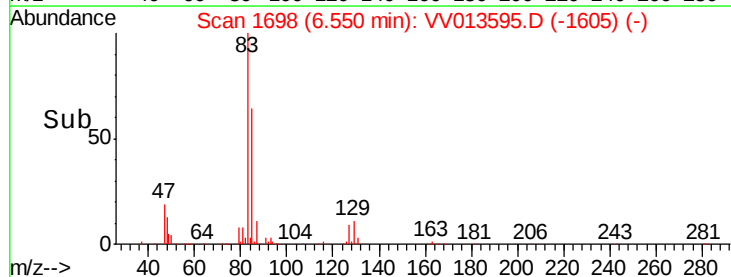
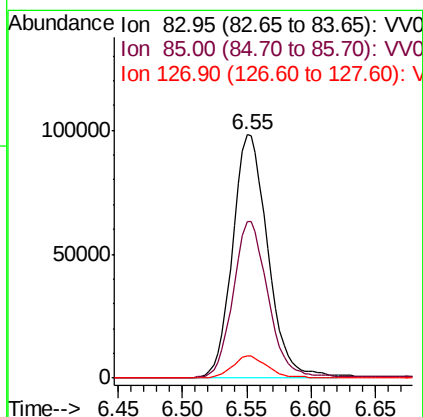
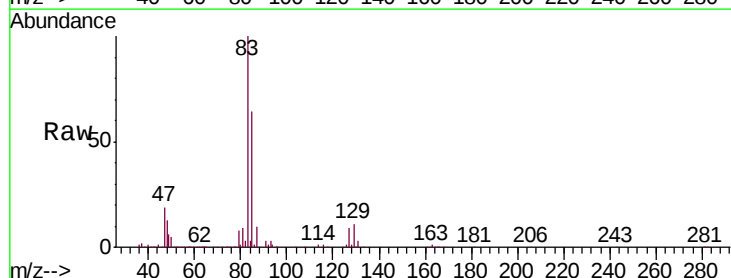
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

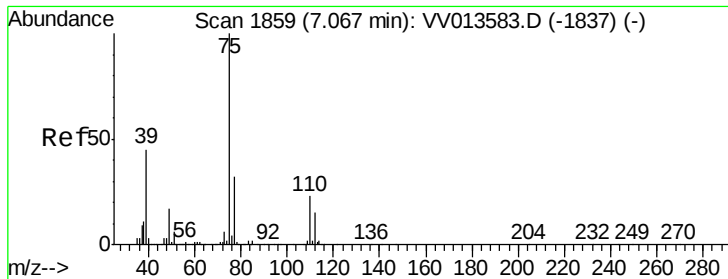
Tgt Ion: 63 Resp: 144735
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.819 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

Tgt Ion: 83 Resp: 187570
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.6 81.0
 127 9.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 4.628 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

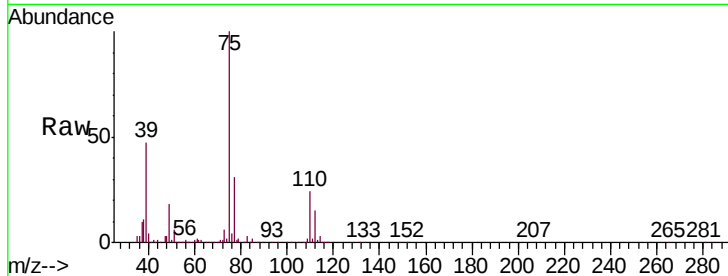
VSTD00556

Tgt Ion: 75 Resp: 193877

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

120000

100000

80000

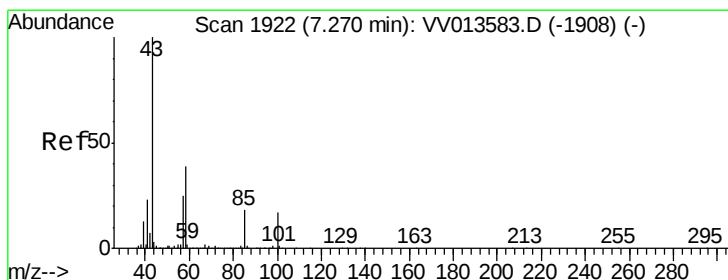
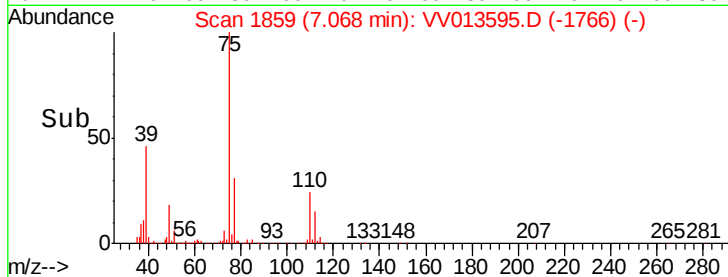
60000

40000

20000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.478 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

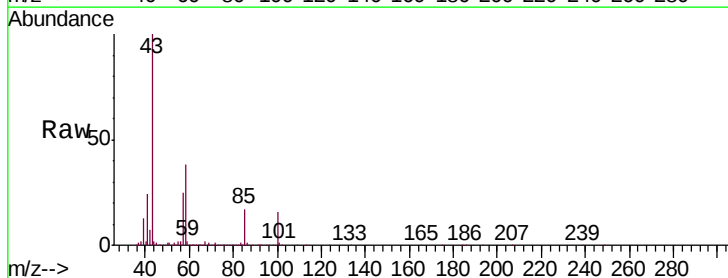
Tgt Ion: 43 Resp: 858177

Ion Ratio Lower Upper

43 100

58 39.1 30.6 45.8

100 13.9 12.0 18.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

400000

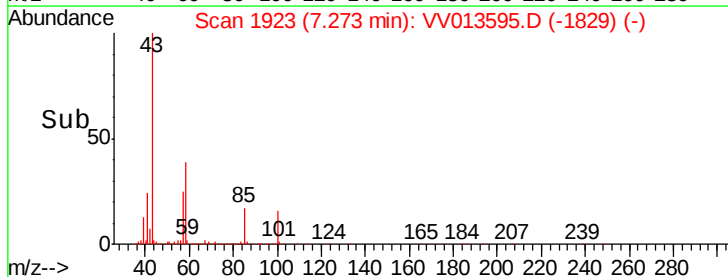
300000

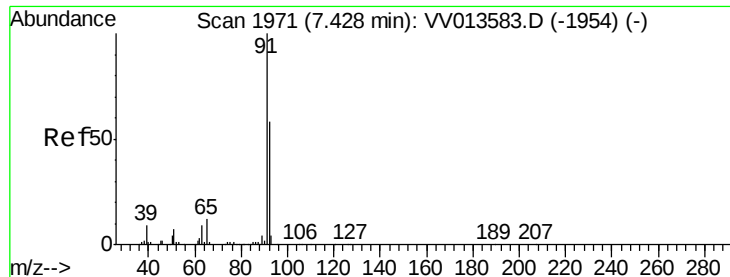
200000

100000

0

Time-->





#42

Toluene

Concen: 5.007 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013595.D

Acq: 12 Nov 2019 18:27

Instrument :

MSVOA_V

ClientSampleId :

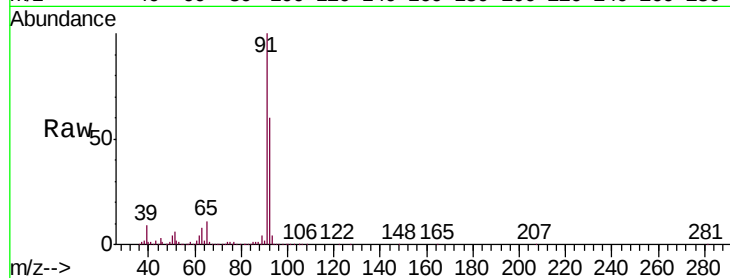
VSTD00556

Tgt Ion: 91 Resp: 638488

Ion Ratio Lower Upper

91 100

92 59.8 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

400000

300000

200000

100000

0

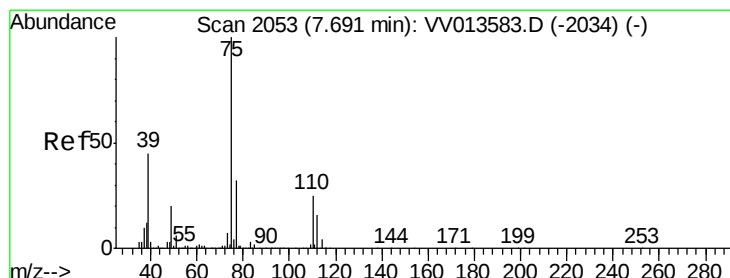
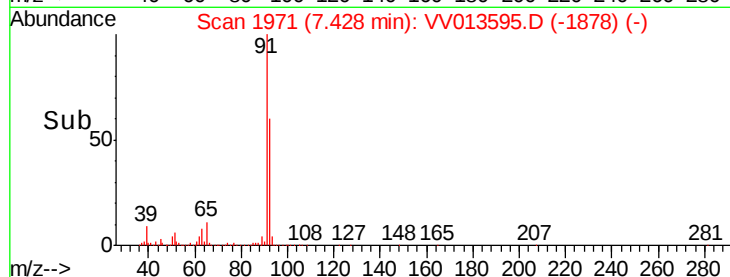
Time-->

7.30

7.40

7.50

7.60



#44

trans-1,3-Dichloropropene

Concen: 4.874 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013595.D

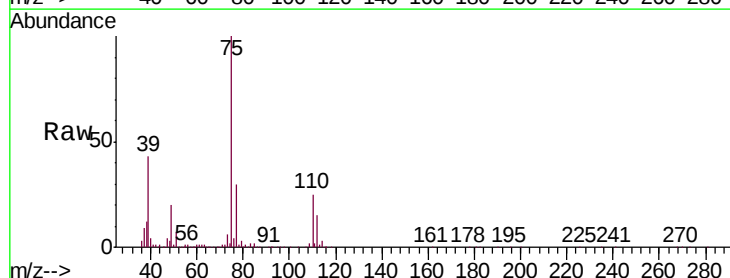
Acq: 12 Nov 2019 18:27

Tgt Ion: 75 Resp: 160541

Ion Ratio Lower Upper

75 100

77 30.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

100000

80000

60000

40000

20000

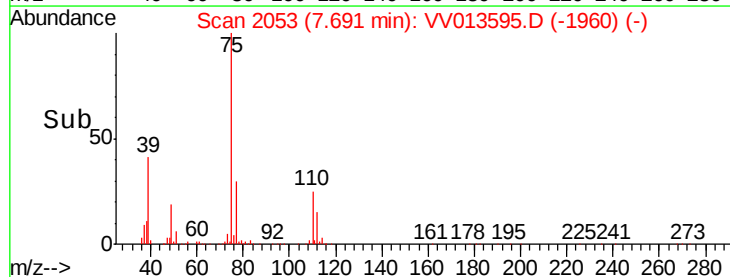
0

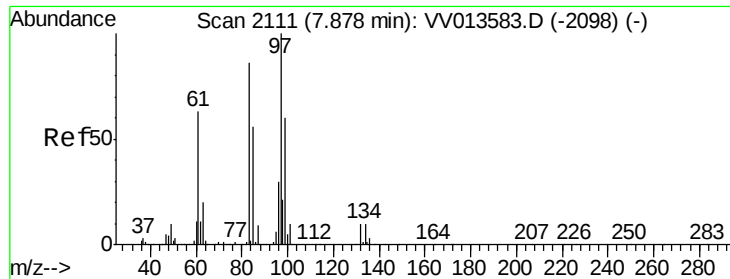
Time-->

7.60

7.70

7.80

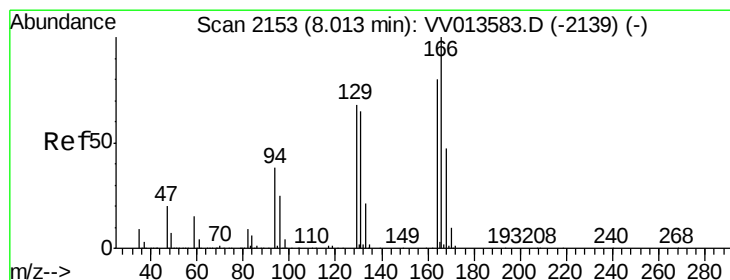
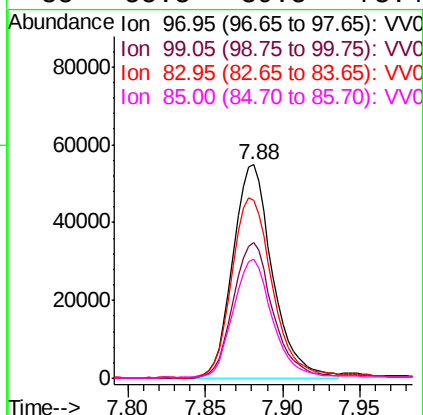
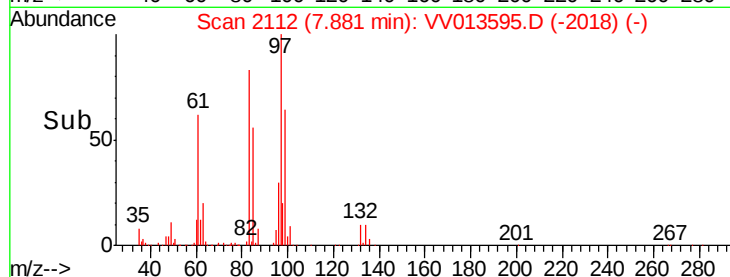
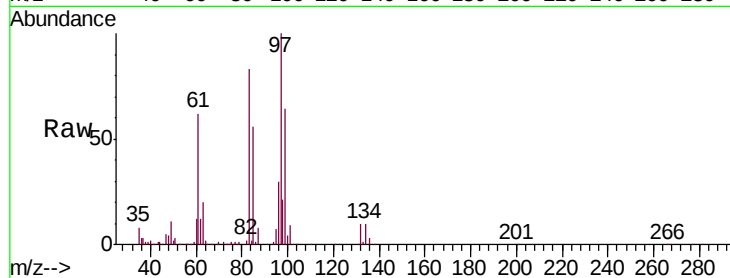




#45
 1,1,2-Trichloroethane
 Concen: 4.722 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

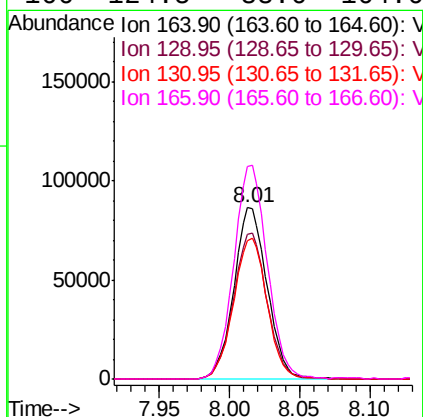
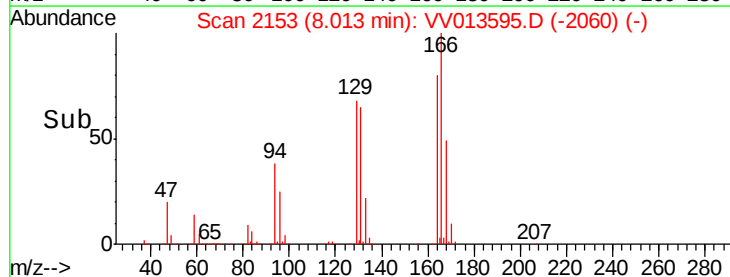
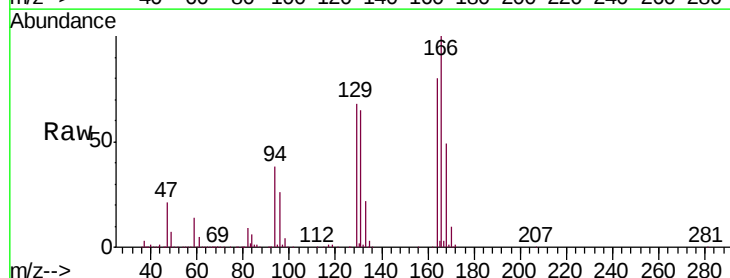
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

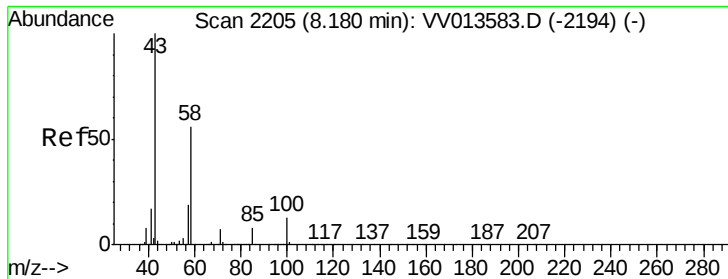
Tgt Ion:	97	Resp:	97845
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.4	82.5
83	83.3	57.5	106.7
85	55.8	39.5	73.4



#47
 Tetrachloroethene
 Concen: 4.937 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013595.D
 Acq: 12 Nov 2019 18:27

Tgt Ion:	164	Resp:	142684
Ion	Ratio	Lower	Upper
164	100		
129	84.7	59.6	110.8
131	80.9	59.1	109.9
166	124.5	88.6	164.6

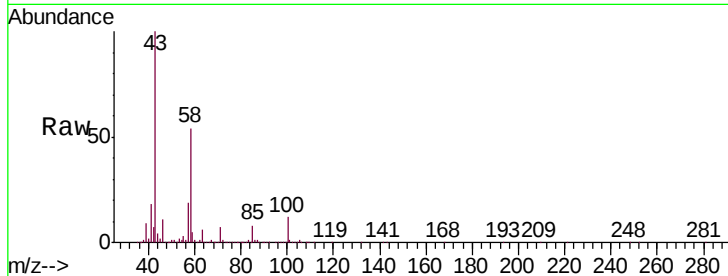




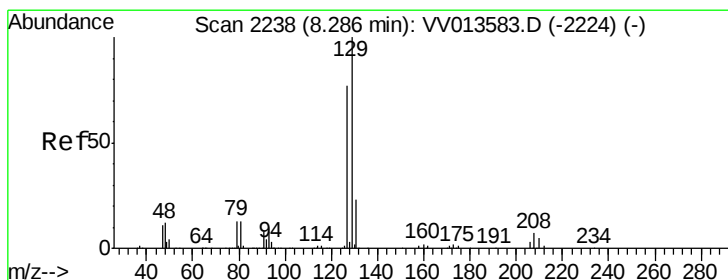
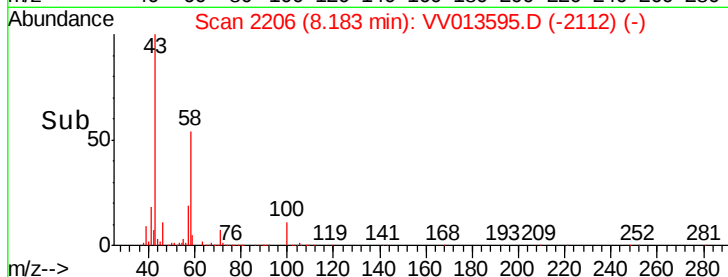
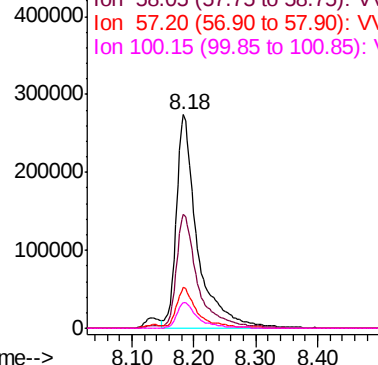
#48
2-Hexanone
Concen: 52.697 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:	43	Resp:	647147
Ion	Ratio	Lower	Upper
43	100		
58	53.6	43.8	65.8
57	19.1	15.0	22.6
100	12.0	9.8	14.6

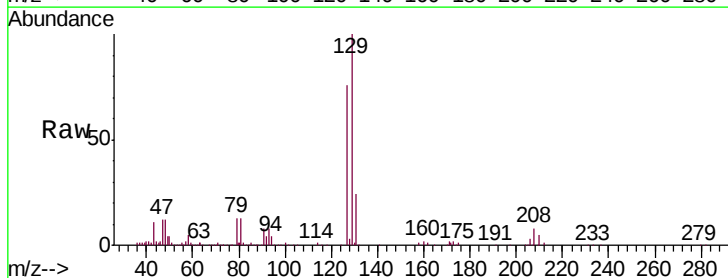


Abundance Ion 43.05 (42.75 to 43.75): VV013583.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VV013583.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VV013583.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VV013583.D (-2194) (-)

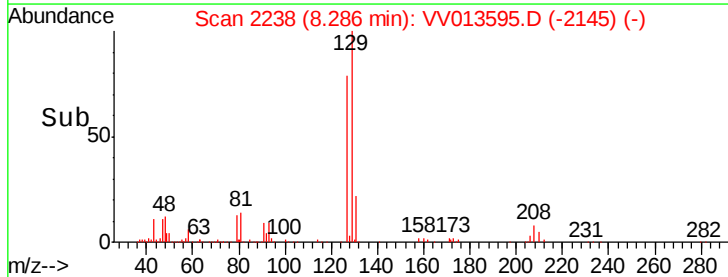
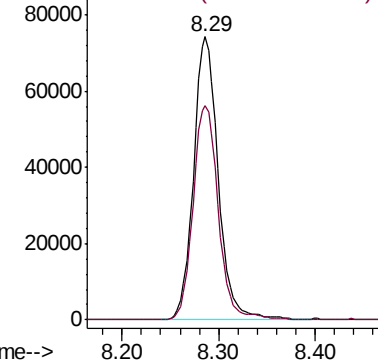


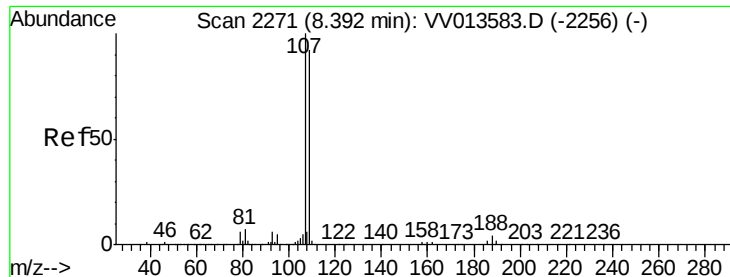
#49
Dibromochloromethane
Concen: 5.087 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Tgt Ion:	129	Resp:	131497
Ion	Ratio	Lower	Upper
129	100		
127	75.8	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV013583.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV013583.D (-2224) (-)

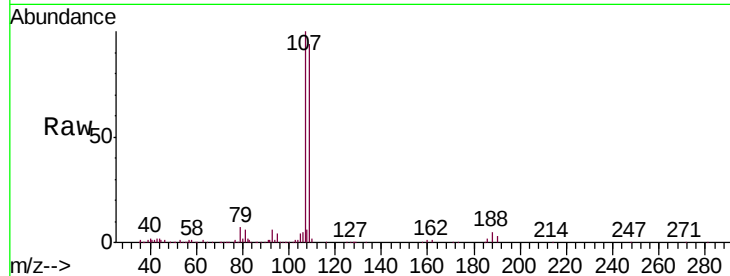




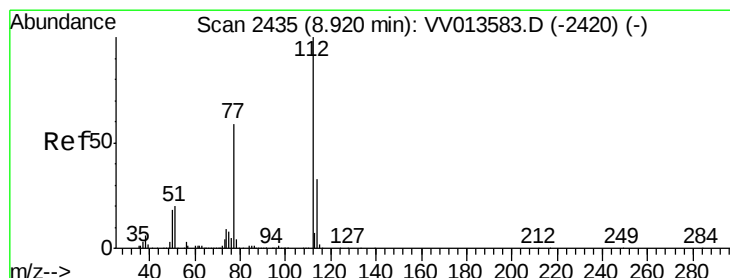
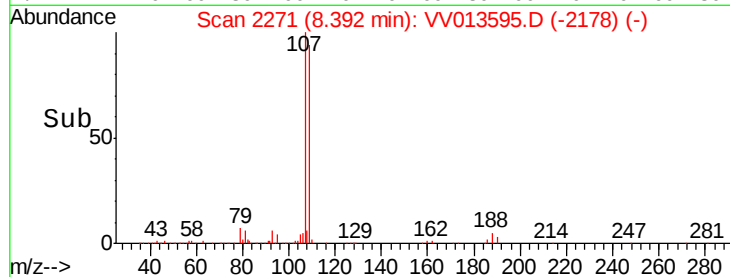
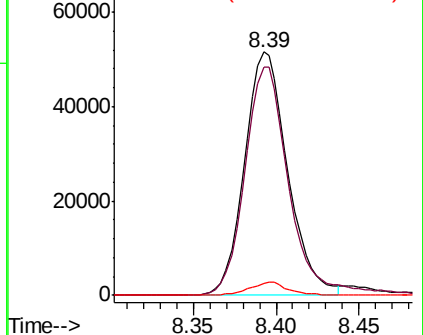
#50
1,2-Dibromoethane
Concen: 4.822 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.9	124.3
188	4.8	3.4	5.0

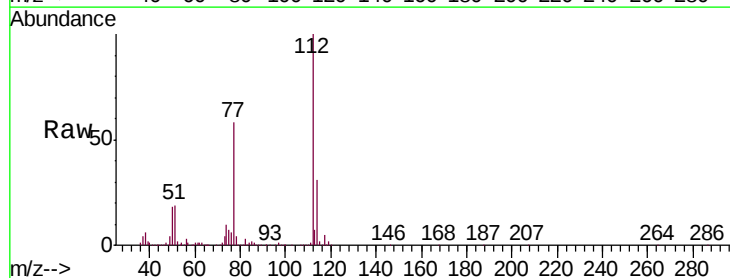


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.833 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013595.D
Acq: 12 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.6	42.0
77	57.6	46.2	69.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

