

Data File : VV013636.D
Acq On : 15 Nov 2019 12:42
Operator : SY/MD
Sample : VSTD0.531
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Quant Time: Nov 15 23:05:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:03:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	421164	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	410586	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	204256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	14971	0.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	13077	0.61	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	26175	0.57	ug/L	0.00
20) 2-Butanone-d5	3.98	46	7769	1.54	ug/L	0.03
24) Chloroform-d	4.40	84	32385	0.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	15497	0.66	ug/L	0.00
32) Benzene-d6	5.09	84	61163	0.60	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	17252	0.51	ug/L	0.00
41) Toluene-d8	7.36	98	54427	0.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	6693	0.53	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	20688	4.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11969	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	22234	0.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21176	0.537 ug/L	98
3) Chloromethane	1.25	50	20594	0.576 ug/L	93
5) Vinyl chloride	1.32	62	19520	0.560 ug/L	94
6) Bromomethane	1.53	94	11910	0.608 ug/L	98
8) Chloroethane	1.60	64	10401	0.544 ug/L	94
9) Trichlorofluoromethane	1.77	101	26118	0.555 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13737	0.517 ug/L	96
12) 1,1-Dichloroethene	2.14	96	13588	0.546 ug/L	97
14) Carbon disulfide	2.31	76	48261	0.647 ug/L	97
15) Methyl Acetate	2.48	43	5880	0.589 ug/L	100
16) Methylene chloride	2.53	84	24752	0.882 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	33658	0.569 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	17296	0.636 ug/L	92
19) 1,1-Dichloroethane	3.23	63	29617	0.603 ug/L	97
21) 2-Butanone	4.06	43	8080	1.328 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	16821	0.570 ug/L	# 92
23) Bromochloromethane	4.30	128	8645	0.655 ug/L	95
25) Chloroform	4.42	83	57087	0.934 ug/L	96
27) 1,2-Dichloroethane	5.18	62	17279	0.530 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	25949	0.564 ug/L	96
30) Cyclohexane	4.72	56	23828	0.519 ug/L	98
31) Carbon tetrachloride	4.87	117	22952	0.553 ug/L	97
33) Benzene	5.14	78	61745	0.508 ug/L	100
34) Trichloroethene	5.96	95	17665	0.518 ug/L	94
35) Methylcyclohexane	6.17	83	24175	0.482 ug/L	96
37) 1,2-Dichloropropane	6.22	63	14484	0.463 ug/L	99
38) Bromodichloromethane	6.55	83	23488	0.549 ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	19222	0.437 ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	81933	4.633 ug/L	97
42) Toluene	7.43	91	64056	0.485 ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	16198	0.488	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	11160	0.496	ug/L	96
47) Tetrachloroethene	8.01	164	16505	0.530	ug/L	93
48) 2-Hexanone	8.19	43	62579	5.093	ug/L	97
49) Dibromochloromethane	8.28	129	13657	0.484	ug/L	98
50) 1,2-Dibromoethane	8.39	107	10853	0.525	ug/L #	93
51) Chlorobenzene	8.92	112	47841	0.551	ug/L	99
52) Ethylbenzene	9.05	91	66477	0.477	ug/L	99
53) m,p-xylene	9.18	106	23489	0.442	ug/L	95
54) o-xylene	9.58	106	23049	0.460	ug/L	90
55) Styrene	9.60	104	37533	0.436	ug/L	100
56) Isopropylbenzene	9.97	105	59532	0.446	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	11988	0.484	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	9926	0.520	ug/L	96
61) Bromoform	9.77	173	8250	0.532	ug/L	94
62) 1,3-Dichlorobenzene	11.22	146	37881	0.568	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	39729	0.582	ug/L	94
65) 1,2-Dichlorobenzene	11.68	146	36711	0.594	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.47	75	2551	0.675	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.69	180	32585	0.599	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	27741	0.649	ug/L	95
69) Naphthalene	13.55	128	36381	0.662	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	24264	0.613	ug/L	93

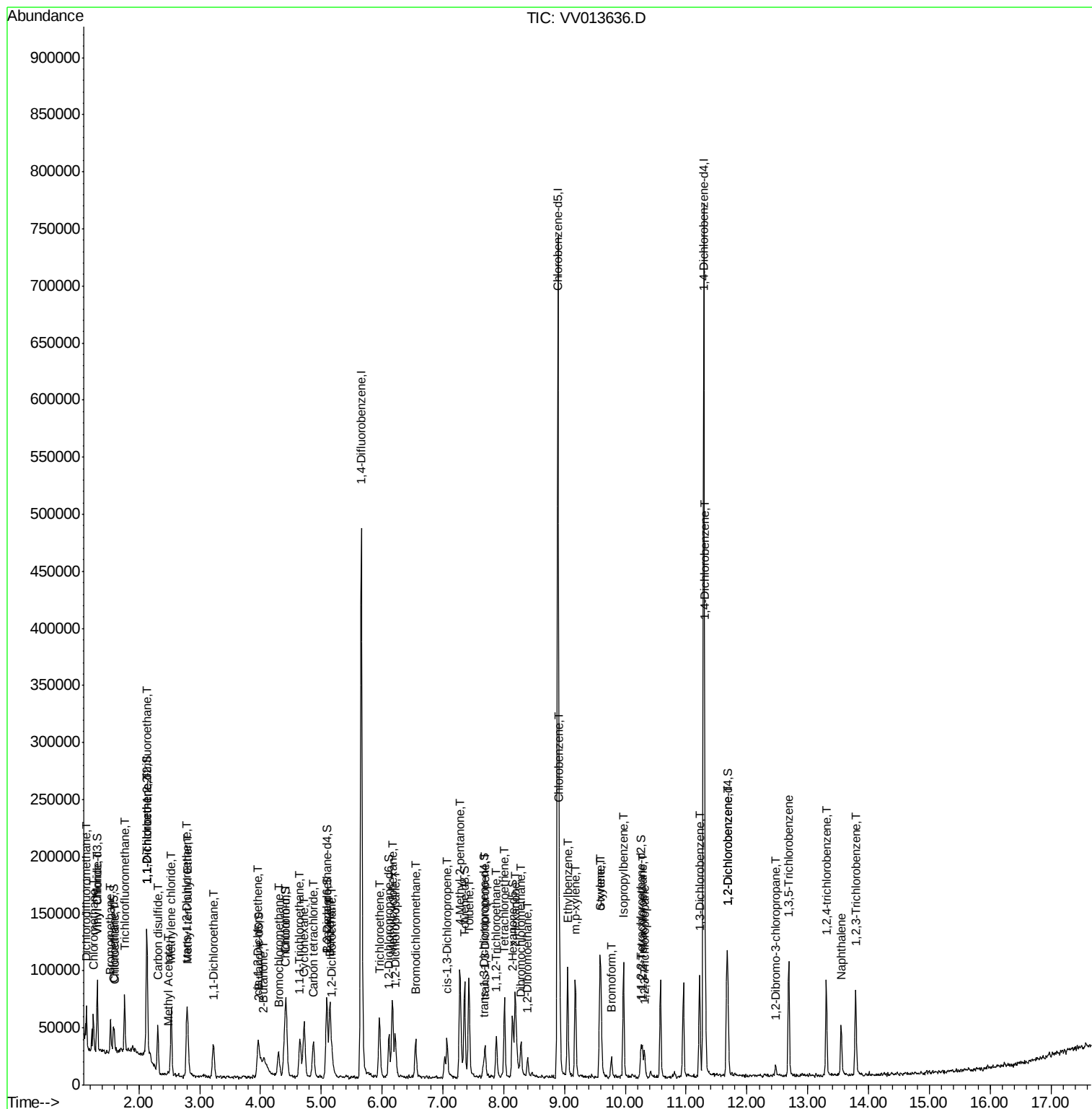
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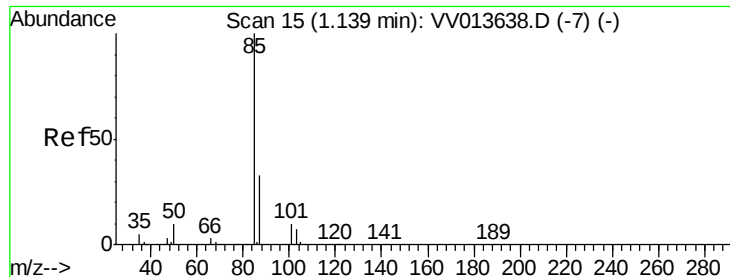
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#2

Dichlorodifluoromethane

Concen: 0.537 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

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Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

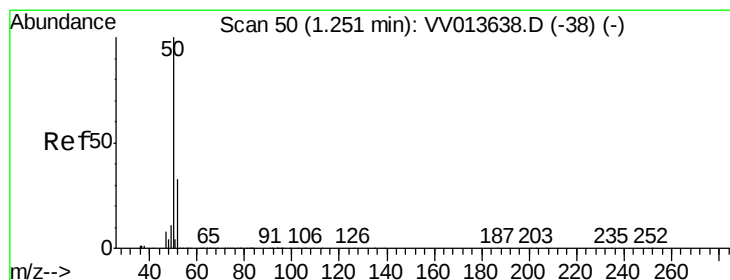
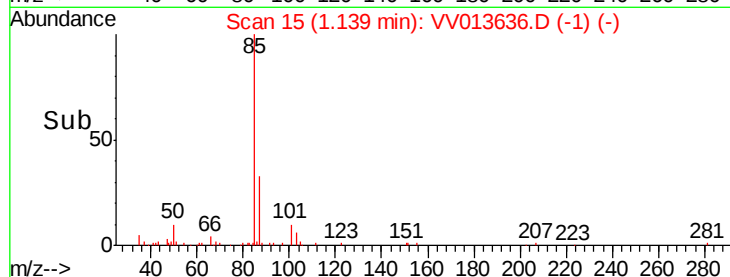
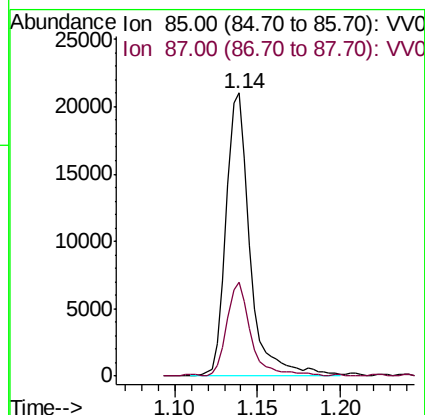
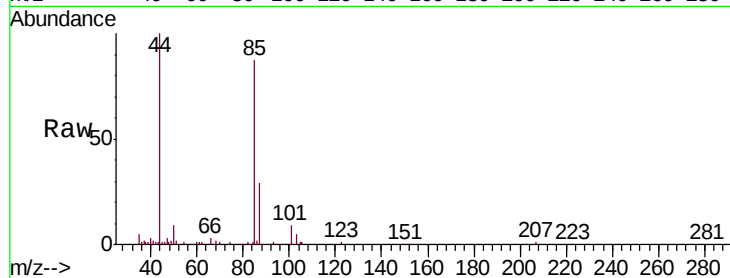
VSTD0.531

Tgt Ion: 85 Resp: 21176

Ion Ratio Lower Upper

85 100

87 33.3 26.0 39.0



#3

Chloromethane

Concen: 0.576 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013636.D

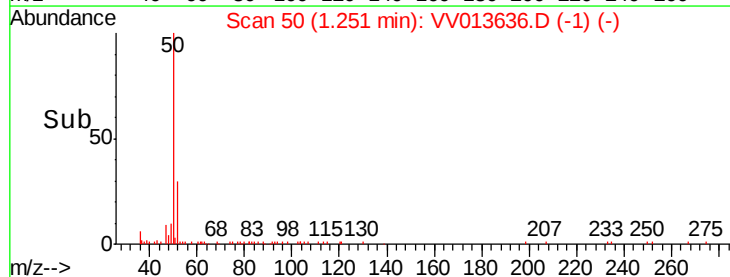
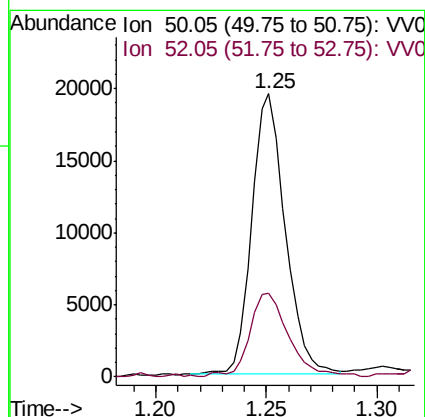
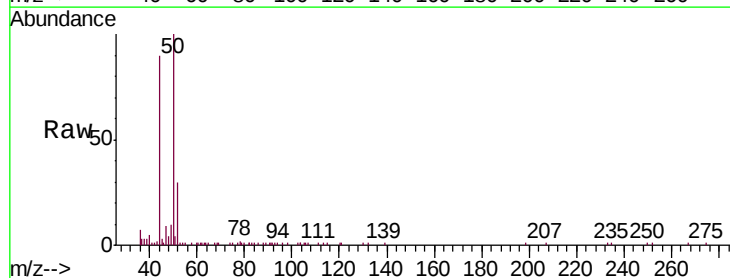
Acq: 15 Nov 2019 12:42

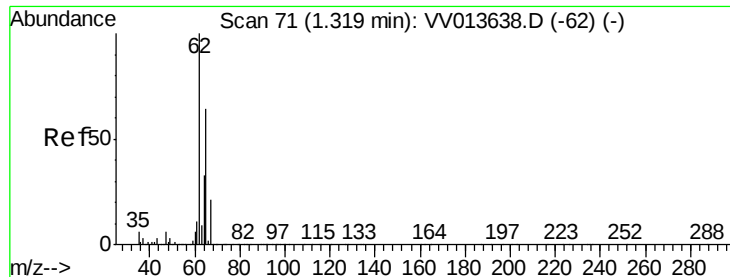
Tgt Ion: 50 Resp: 20594

Ion Ratio Lower Upper

50 100

52 29.5 23.4 43.4





#5

Vinyl chloride

Concen: 0.560 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

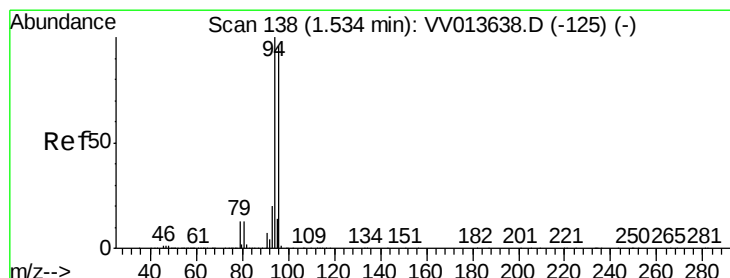
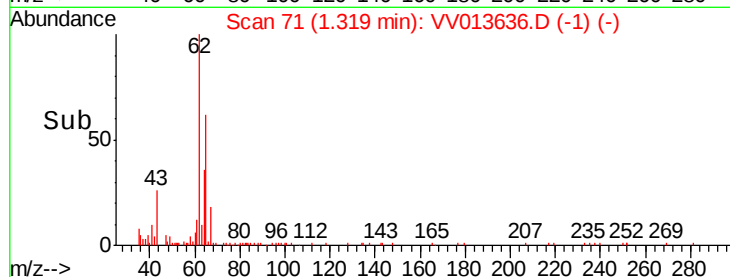
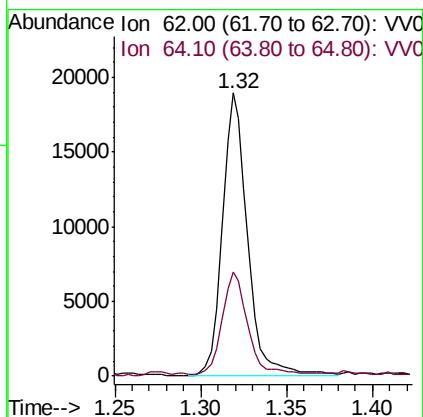
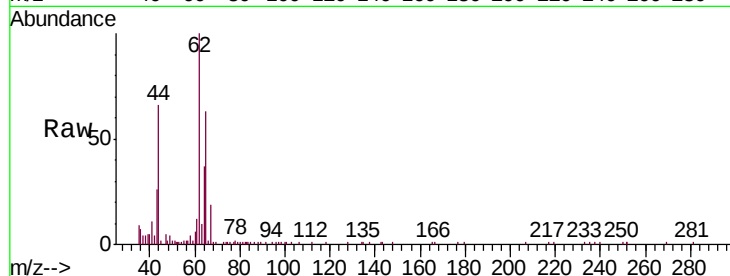
VSTD0.531

Tgt Ion: 62 Resp: 19520

Ion Ratio Lower Upper

62 100

64 36.7 23.4 43.6



#6

Bromomethane

Concen: 0.608 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013636.D

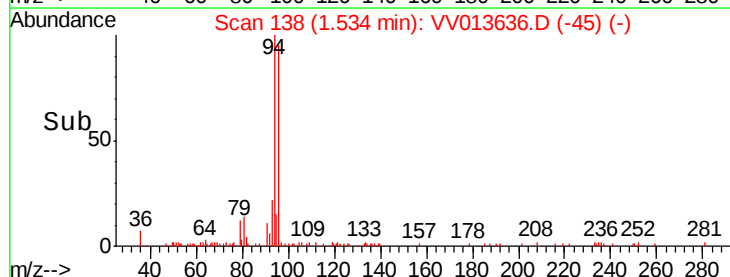
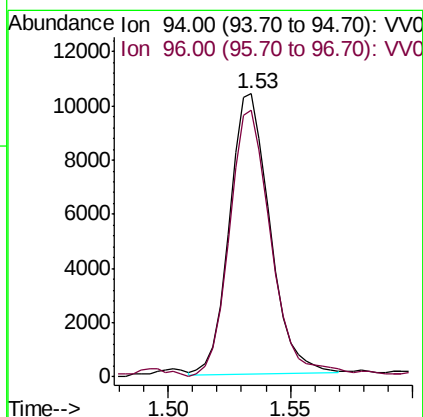
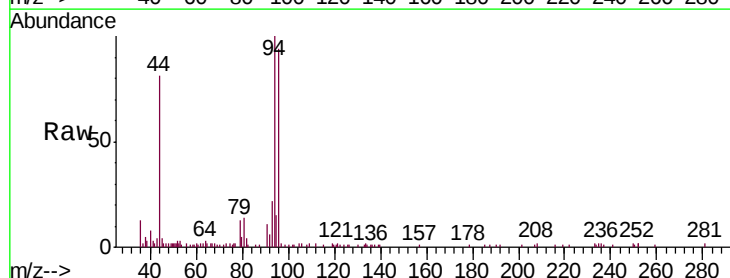
Acq: 15 Nov 2019 12:42

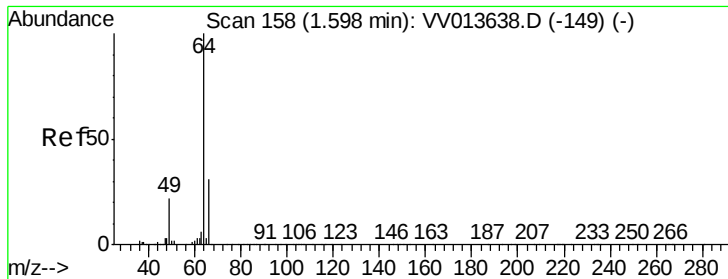
Tgt Ion: 94 Resp: 11910

Ion Ratio Lower Upper

94 100

96 94.2 67.0 124.4





#8

Chloroethane

Concen: 0.544 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

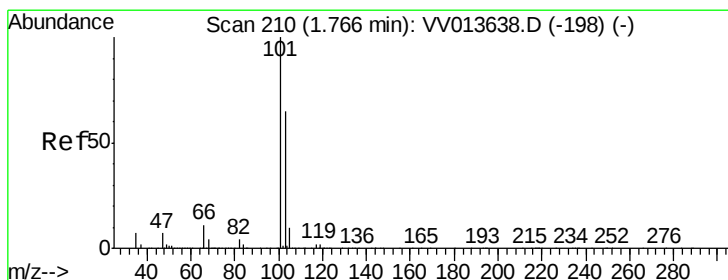
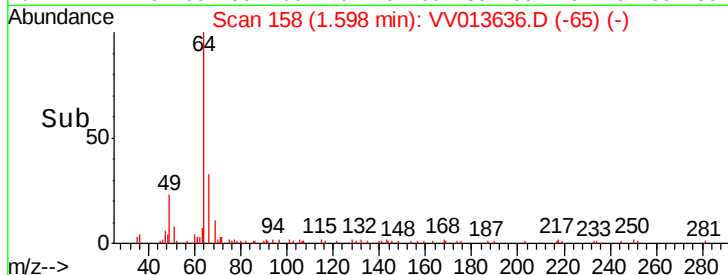
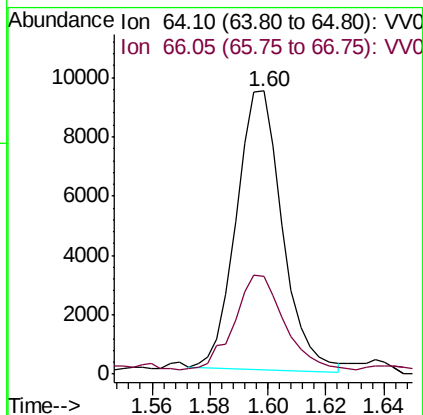
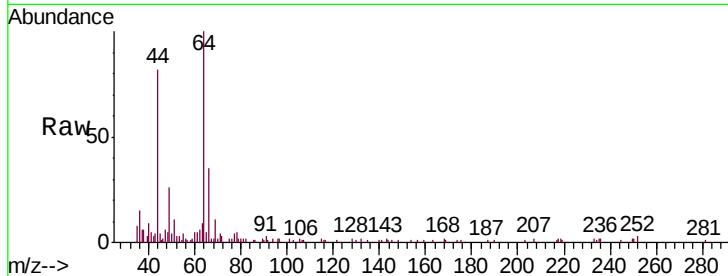
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion: 64 Resp: 10401

Ion Ratio Lower Upper

64 100

66 34.5 21.9 40.7



#9

Trichlorofluoromethane

Concen: 0.555 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013636.D

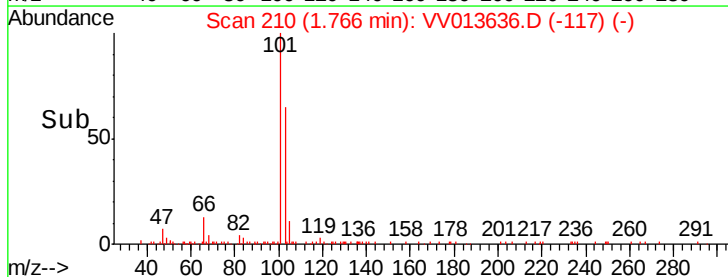
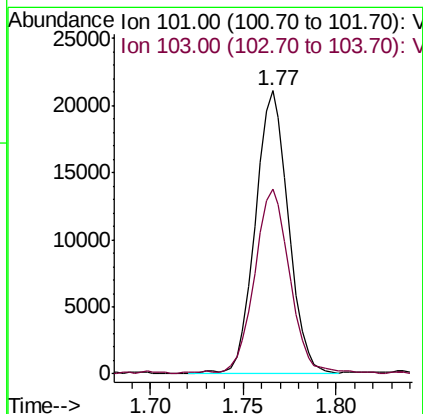
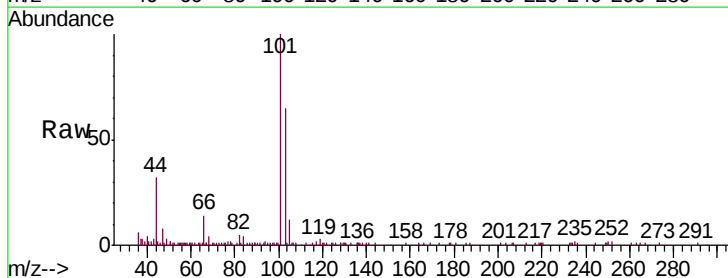
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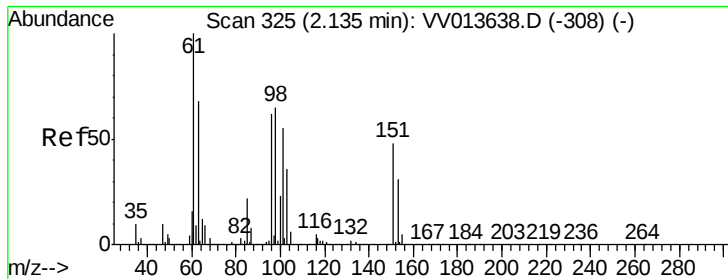
Tgt Ion: 101 Resp: 26118

Ion Ratio Lower Upper

101 100

103 69.8 51.6 77.4





#10

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

Concen: 0.517 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

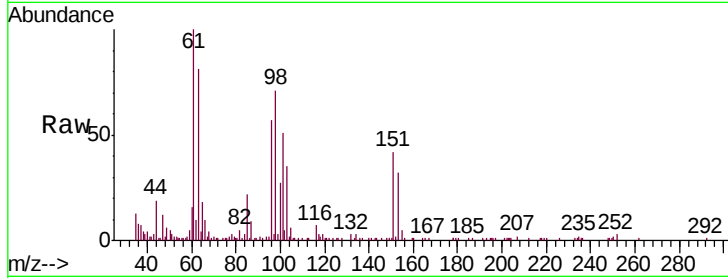
Tgt Ion:101 Resp: 13737

Ion Ratio Lower Upper

101 100

85 45.5 32.0 48.0

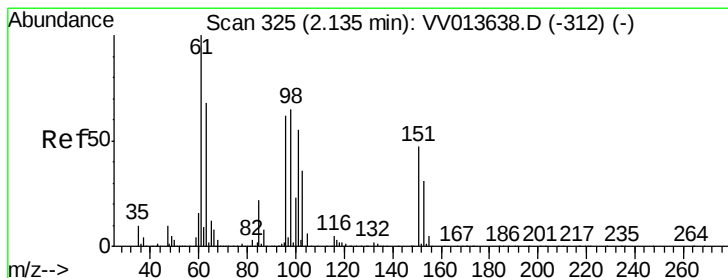
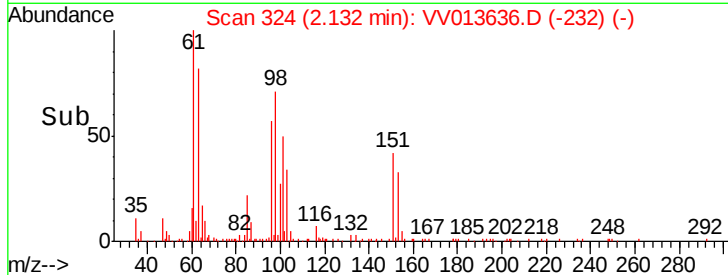
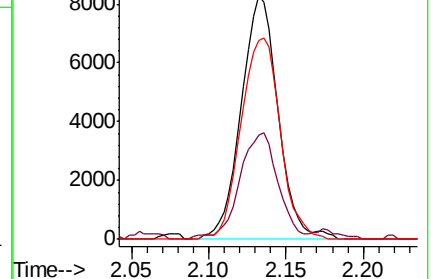
151 88.2 69.0 103.6



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: 0.546 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

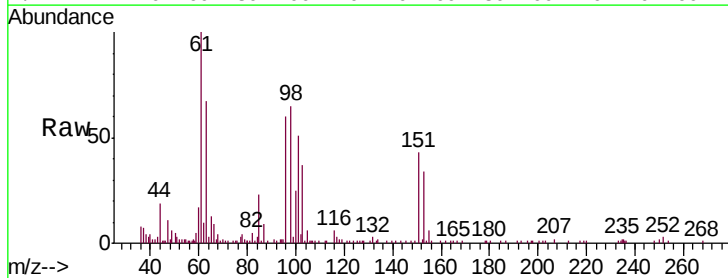
Tgt Ion: 96 Resp: 13588

Ion Ratio Lower Upper

96 100

61 166.3 112.5 208.9

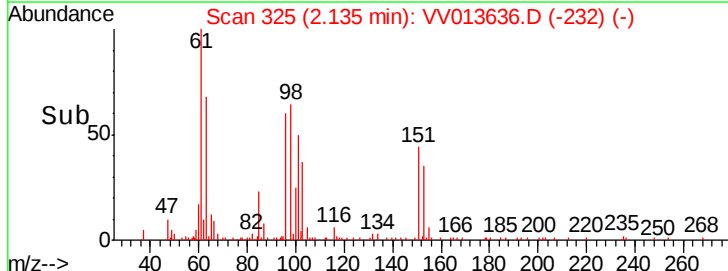
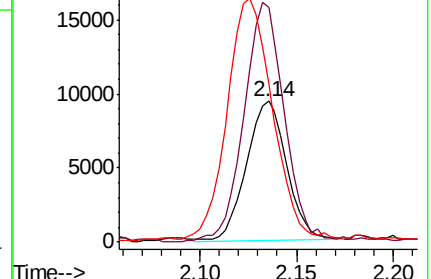
63 111.9 76.9 142.7

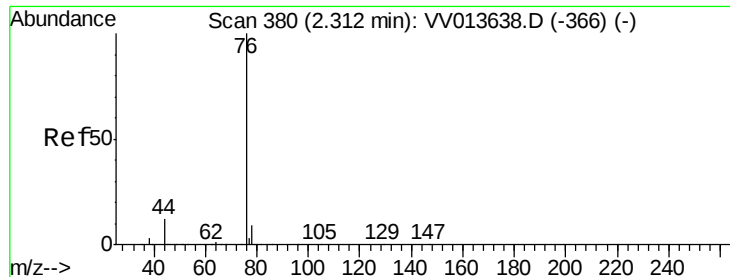


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.647 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

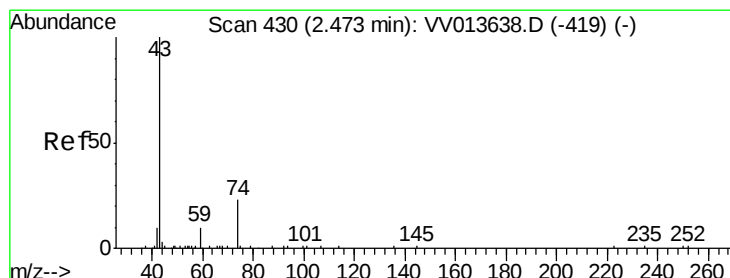
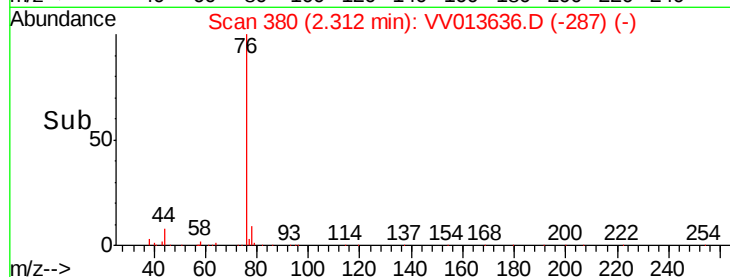
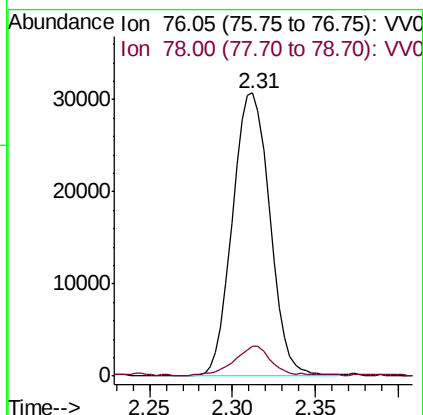
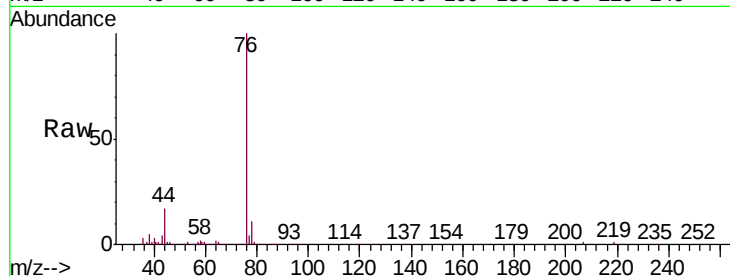
VSTD0.531

Tgt Ion: 76 Resp: 48261

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.2



#15

Methyl Acetate

Concen: 0.589 ug/L

RT: 2.48 min Scan# 432

Delta R.T. 0.01 min

Lab File: VV013636.D

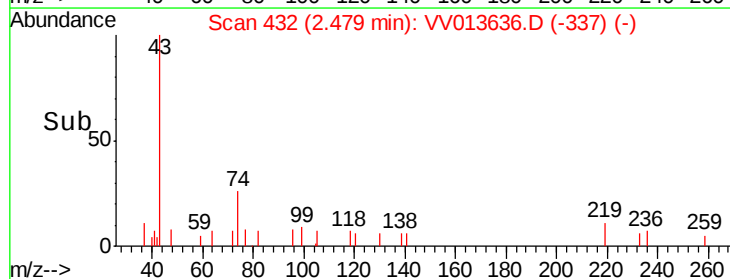
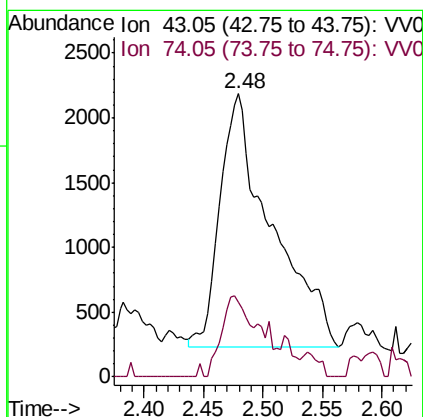
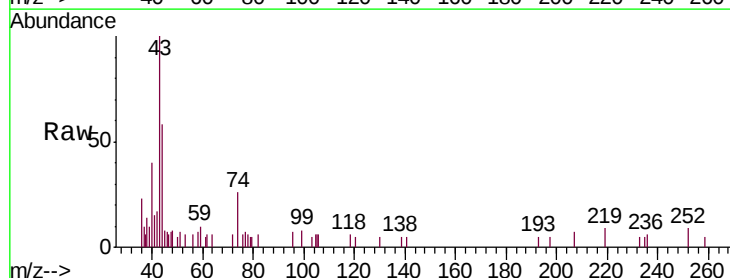
Acq: 15 Nov 2019 12:42

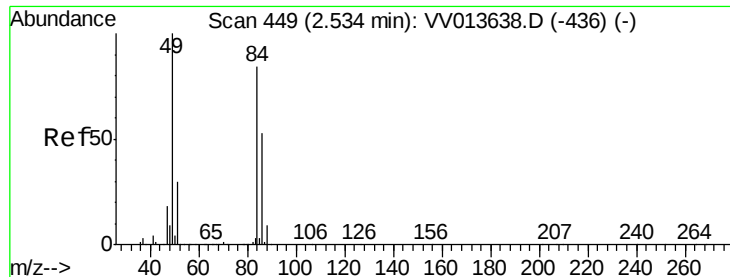
Tgt Ion: 43 Resp: 5880

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3

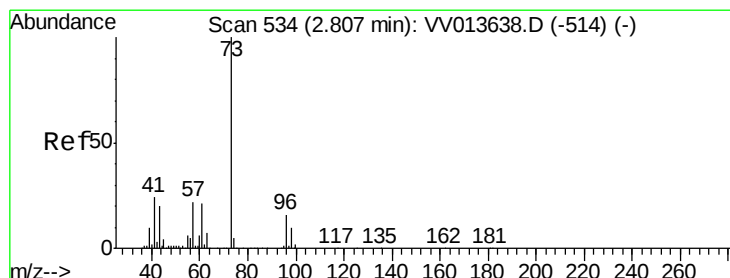
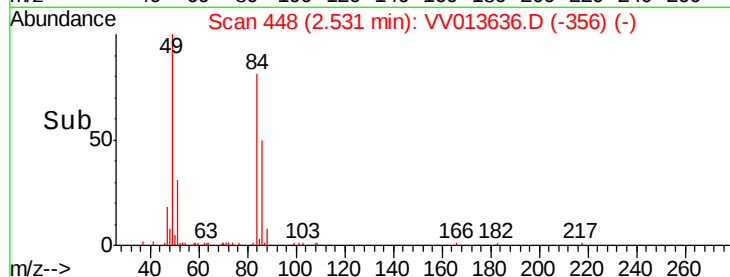
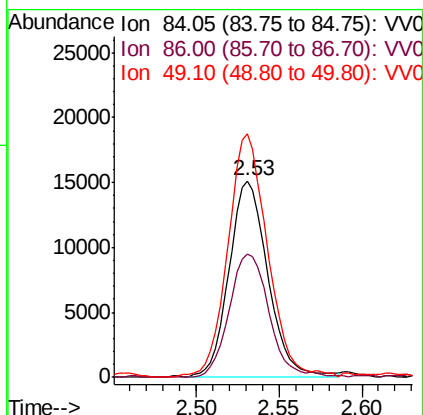
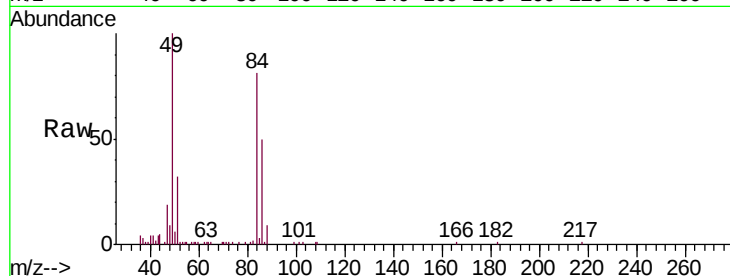




#16
Methylene chloride
Concen: 0.882 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

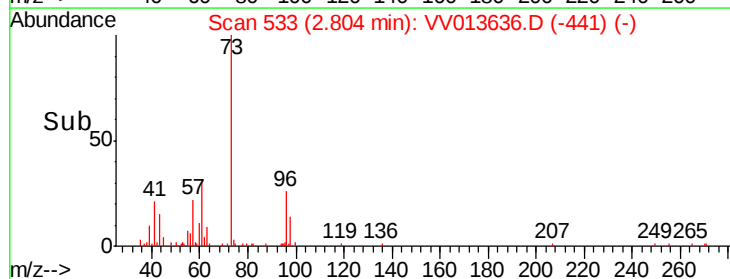
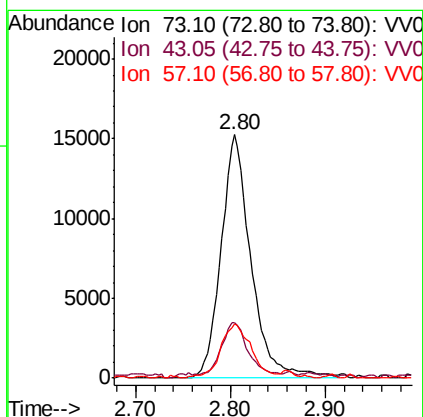
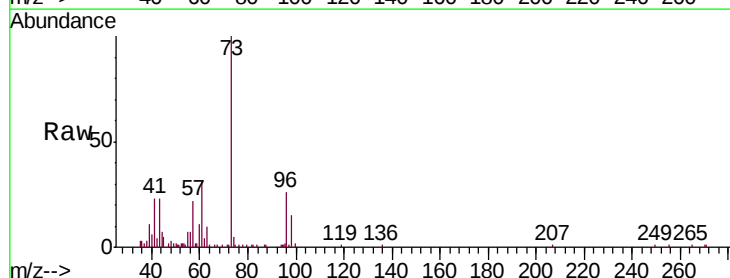
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

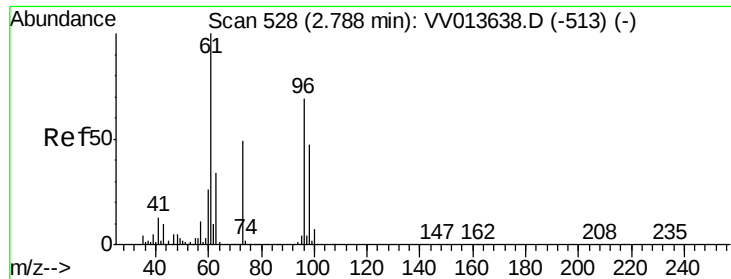
Tgt Ion: 84 Resp: 24752
Ion Ratio Lower Upper
84 100
86 62.3 44.1 81.9
49 123.7 83.4 155.0



#17
Methyl tert-butyl Ether
Concen: 0.569 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Tgt Ion: 73 Resp: 33658
Ion Ratio Lower Upper
73 100
43 18.3 15.4 23.0
57 22.5 18.1 27.1

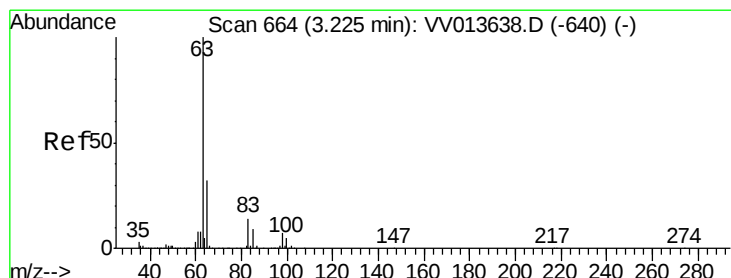
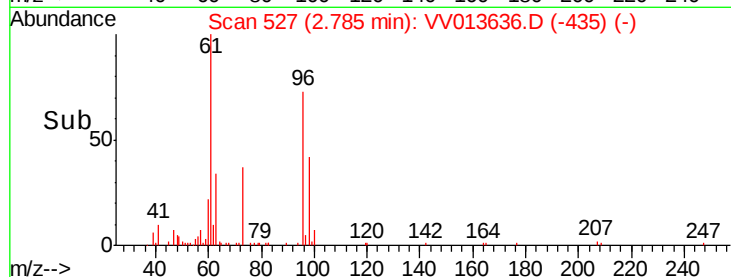
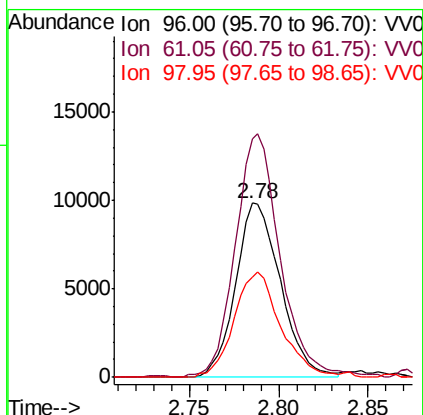
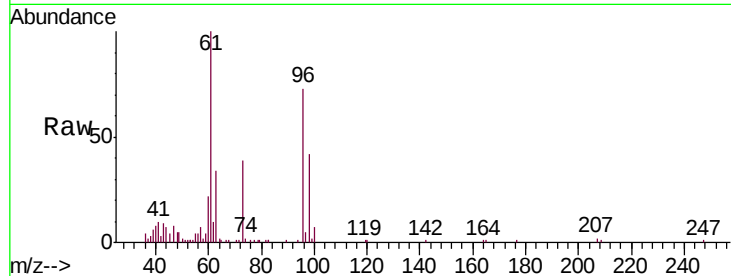




#18
trans-1,2-Dichloroethene
Concen: 0.636 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

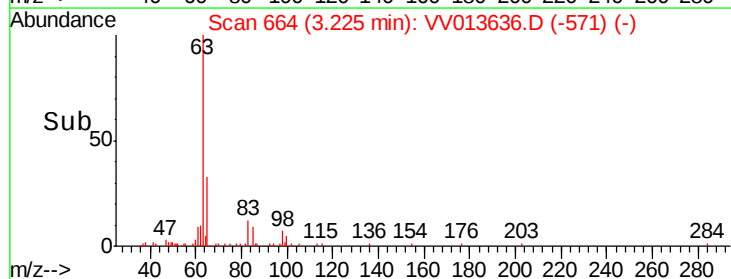
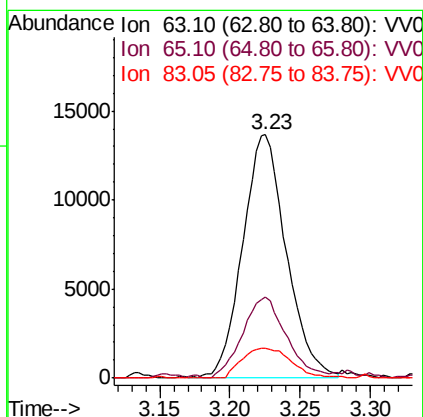
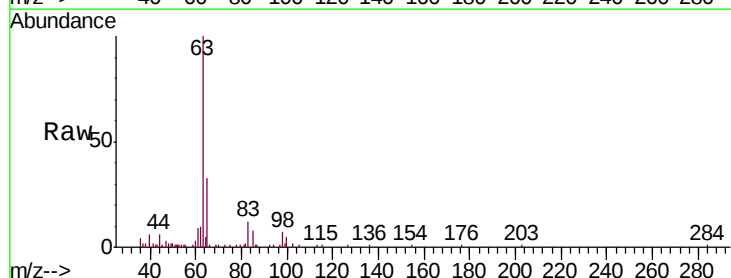
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

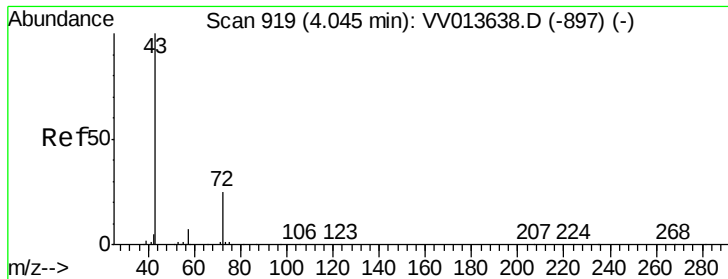
Tgt Ion: 96 Resp: 17296
Ion Ratio Lower Upper
96 100
61 137.1 101.0 187.6
98 57.6 47.0 87.2



#19
1,1-Dichloroethane
Concen: 0.603 ug/L
RT: 3.23 min Scan# 664
Delta R.T. 0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Tgt Ion: 63 Resp: 29617
Ion Ratio Lower Upper
63 100
65 33.4 22.5 41.7
83 12.3 9.7 17.9





#21

2-Butanone

Concen: 1.328 ug/L

RT: 4.06 min Scan# 923

Delta R.T. 0.01 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

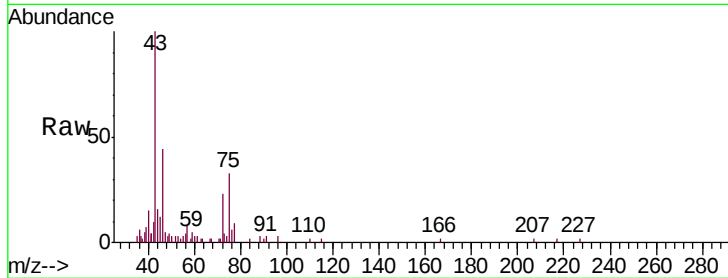
VSTD0.531

Tgt Ion: 43 Resp: 8080

Ion Ratio Lower Upper

43 100

72 29.4 11.6 34.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0

4.06

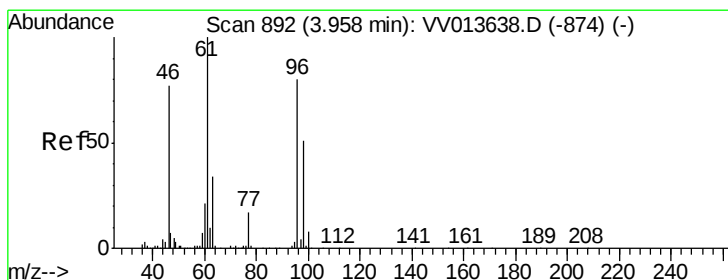
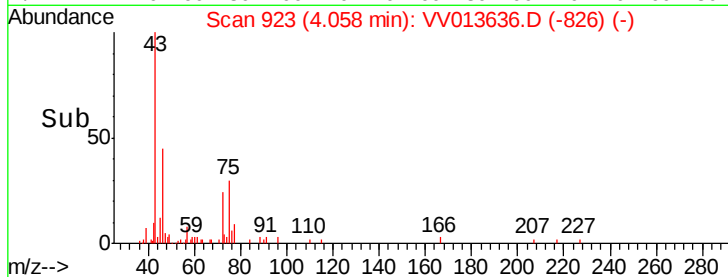
6000

4000

2000

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.570 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

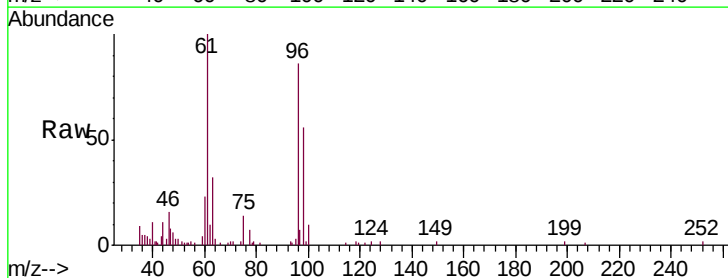
Tgt Ion: 96 Resp: 16821

Ion Ratio Lower Upper

96 100

61 116.5 87.7 162.9

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

10000

8000

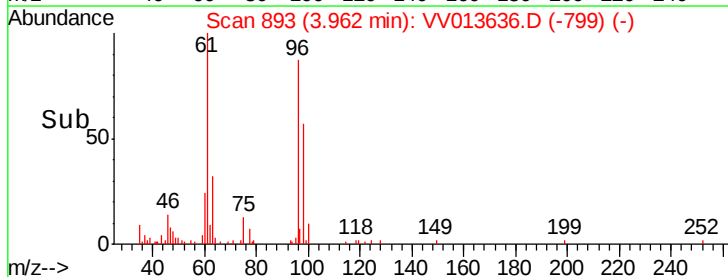
6000

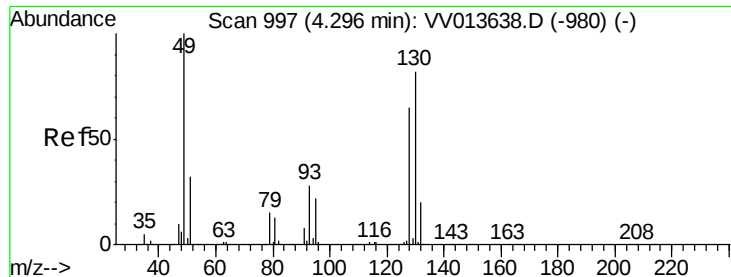
4000

2000

0

Time-->





#23

Bromochloromethane

Concen: 0.655 ug/L

RT: 4.30 min Scan# 997

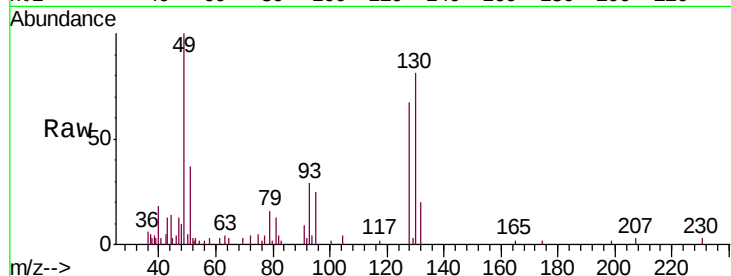
Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:	128	Resp:	8645
Ion	Ratio	Lower	Upper
128	100		
49	148.2	107.2	199.0
130	120.7	87.9	163.3
51	54.4	39.4	59.0

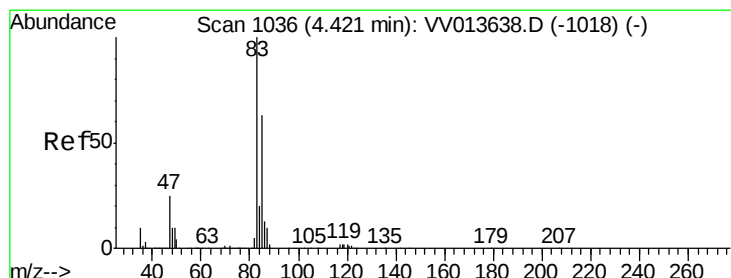
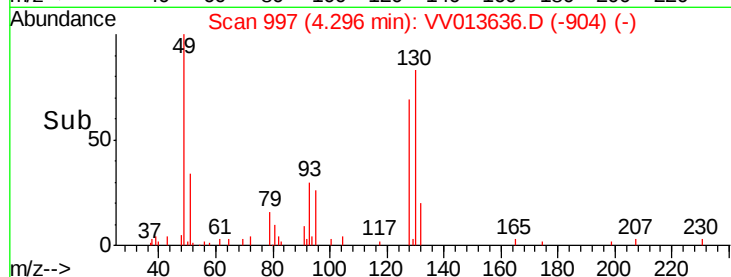
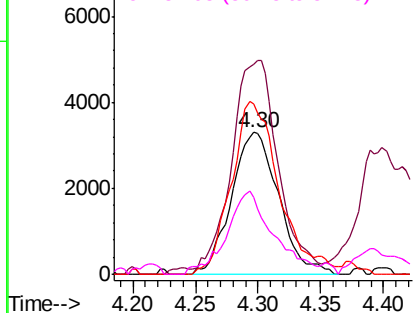


Abundance Ion 127.90 (127.60 to 128.60): VV013636.D (-980) (-)

Ion 49.10 (48.80 to 49.80): VV013636.D (-980) (-)

Ion 129.95 (129.65 to 130.65): VV013636.D (-980) (-)

Ion 51.05 (50.75 to 51.75): VV013636.D (-980) (-)



#25

Chloroform

Concen: 0.934 ug/L

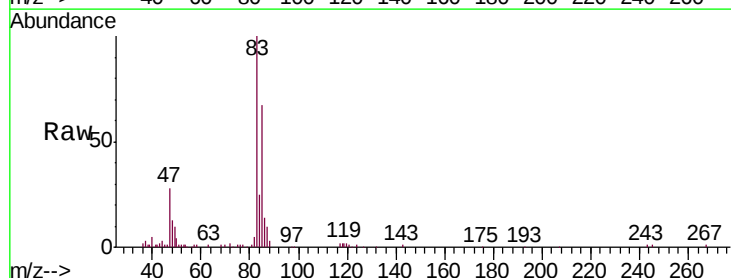
RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013636.D

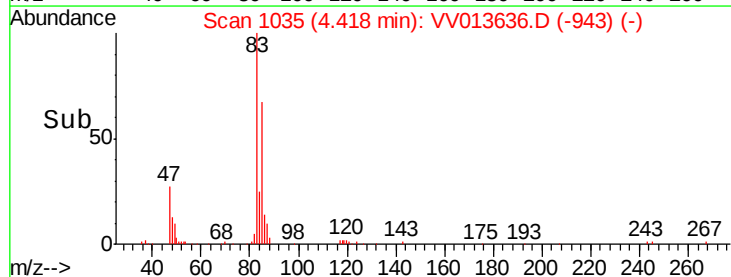
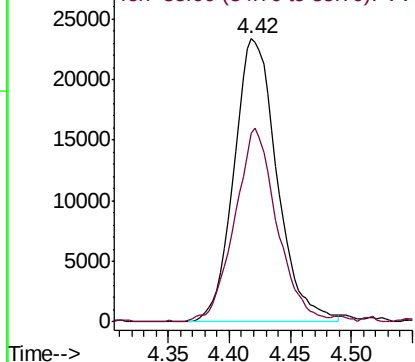
Acq: 15 Nov 2019 12:42

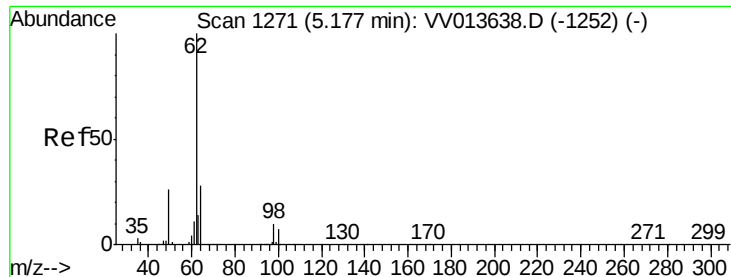
Tgt Ion:	83	Resp:	57087
Ion	Ratio	Lower	Upper
83	100		
85	66.6	44.4	82.5



Abundance Ion 83.05 (82.75 to 83.75): VV013636.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV013636.D (-1018) (-)





#27

1,2-Dichloroethane

Concen: 0.530 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

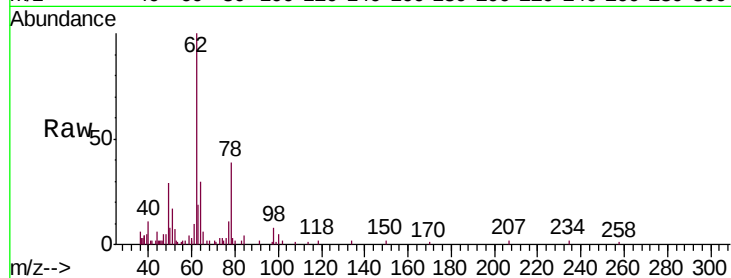
VSTD0.531

Tgt Ion: 62 Resp: 17279

Ion Ratio Lower Upper

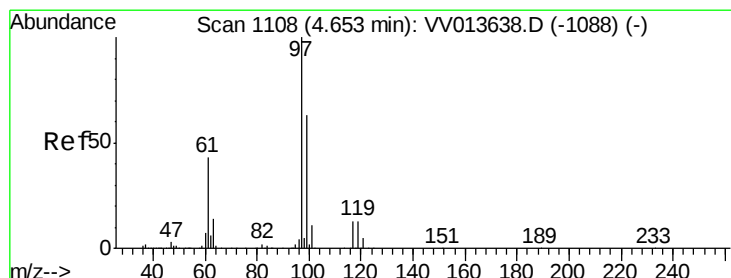
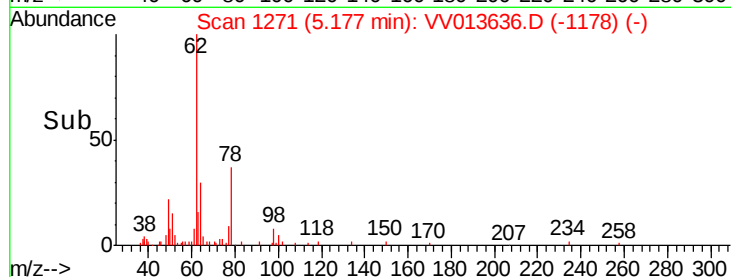
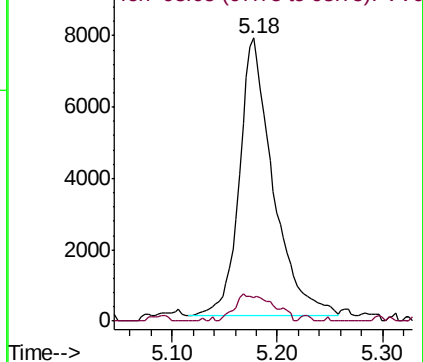
62 100

98 8.4 8.2 12.2



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: 0.564 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

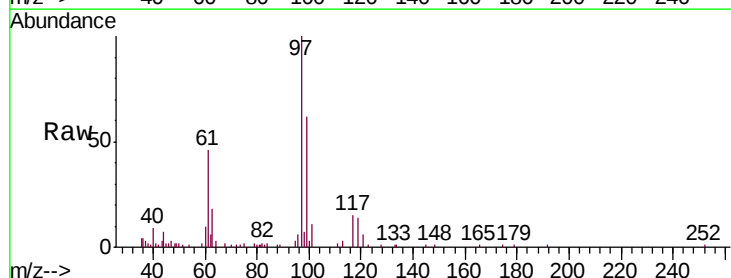
Tgt Ion: 97 Resp: 25949

Ion Ratio Lower Upper

97 100

99 63.6 52.6 79.0

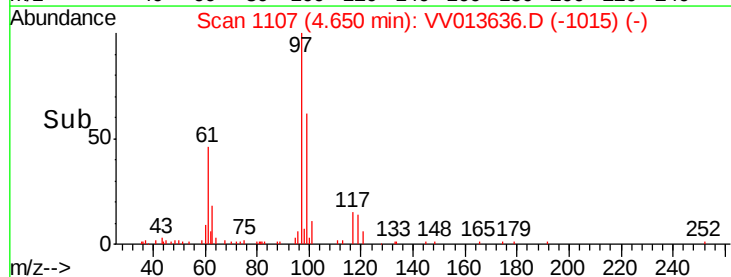
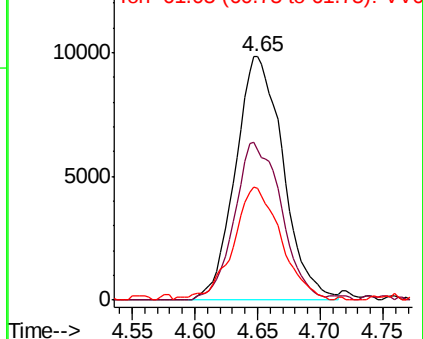
61 46.6 34.7 52.1

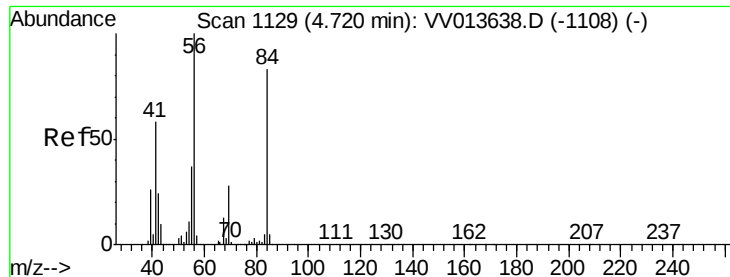


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0

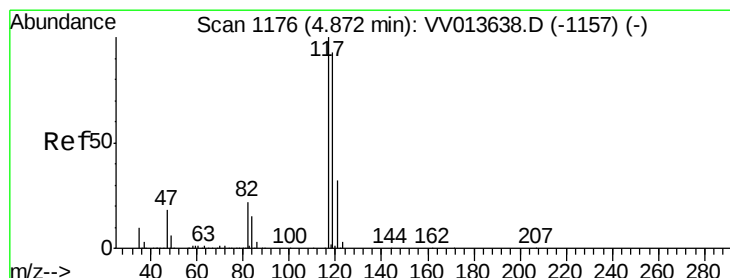
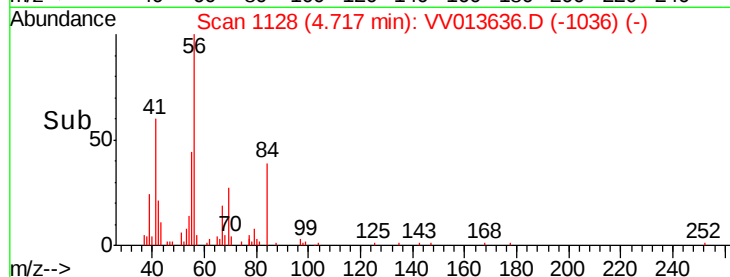
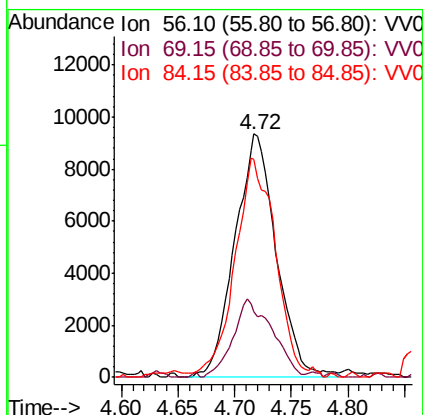
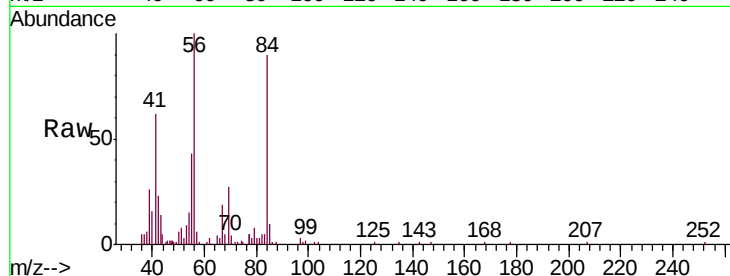




#30
Cyclohexane
Concen: 0.519 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

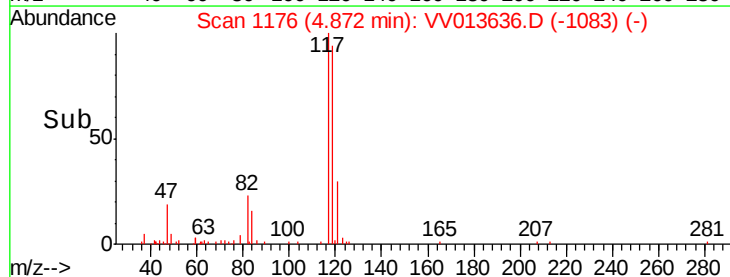
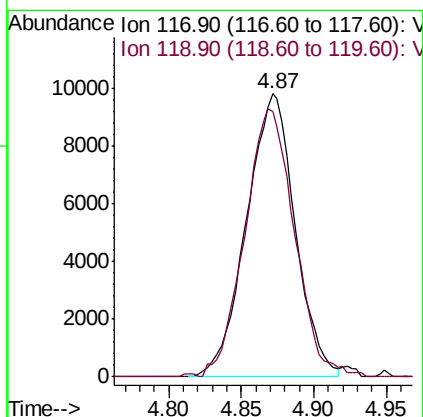
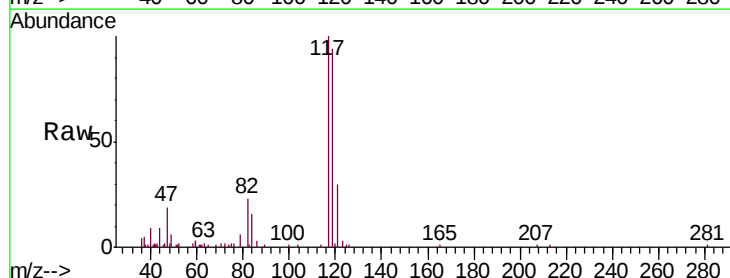
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

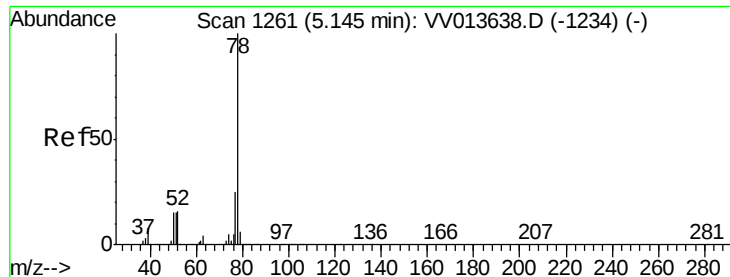
Tgt Ion: 56 Resp: 23828
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 88.7 69.1 103.7



#31
Carbon tetrachloride
Concen: 0.553 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Tgt Ion: 117 Resp: 22952
Ion Ratio Lower Upper
117 100
119 96.7 74.8 112.2





#33

Benzene

Concen: 0.508 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

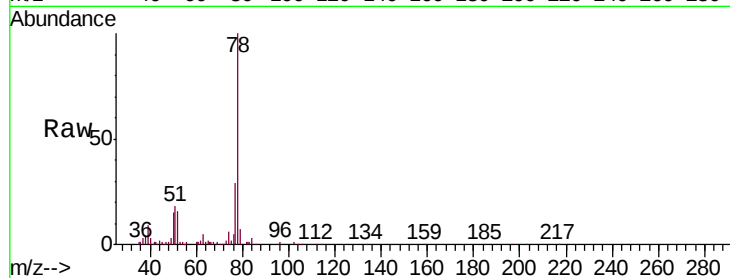
Instrument :

MSVOA_V

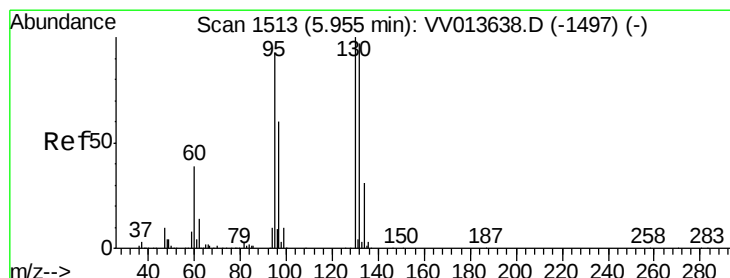
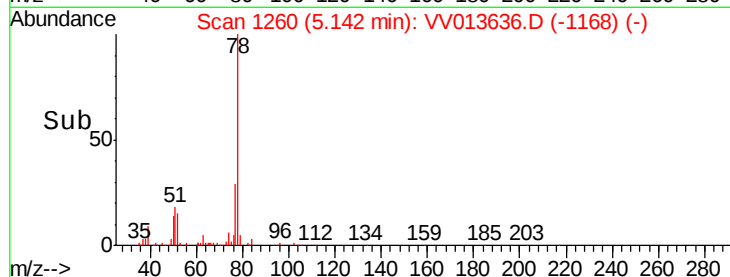
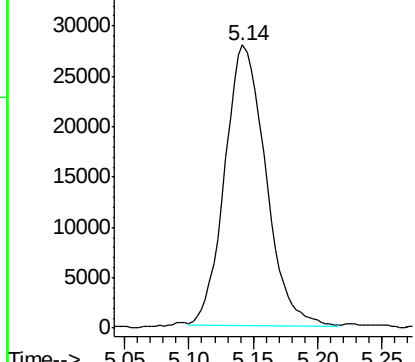
ClientSampleId :

VSTD0.531

Tgt Ion: 78 Resp: 61745



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.518 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Tgt Ion: 95 Resp: 17665

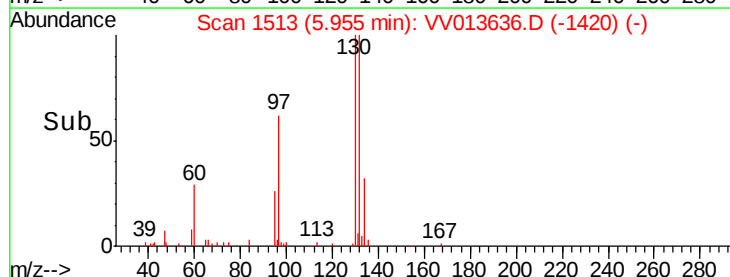
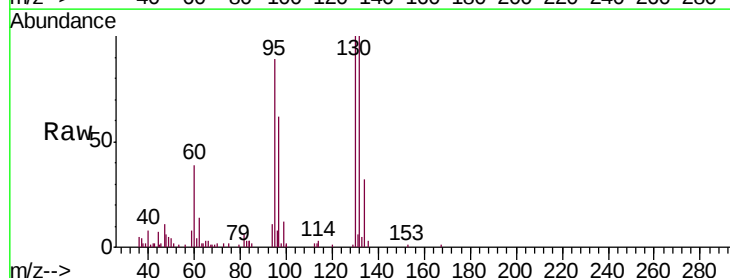
Ion	Ratio	Lower	Upper
95	100		
97	69.6	44.8	83.2
132	112.1	72.9	135.3
130	111.9	75.1	139.5

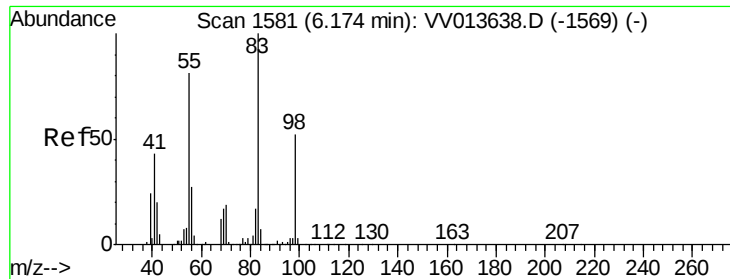
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.482 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

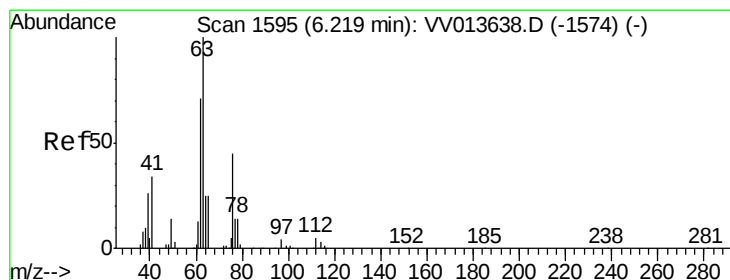
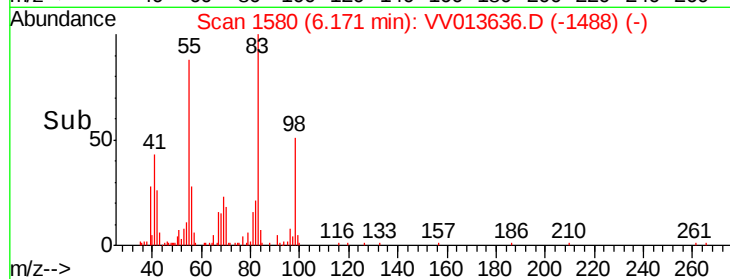
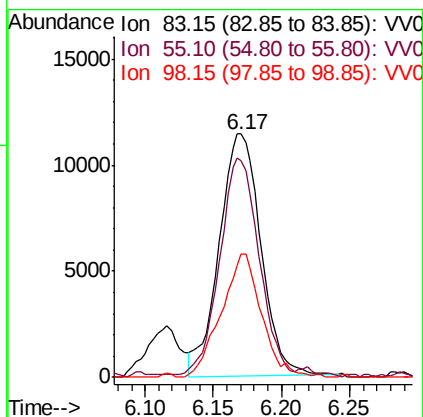
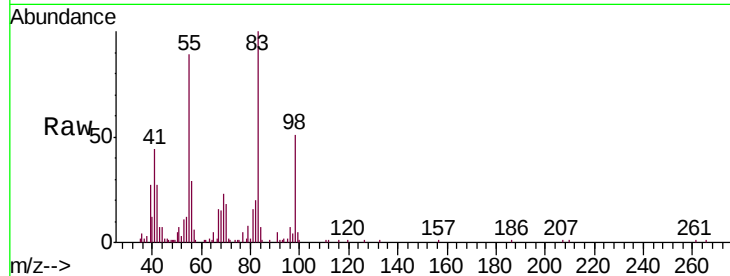
Tgt Ion: 83 Resp: 24175

Ion Ratio Lower Upper

83 100

55 84.1 64.1 96.1

98 49.6 38.2 57.2



#37

1,2-Dichloropropane

Concen: 0.463 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013636.D

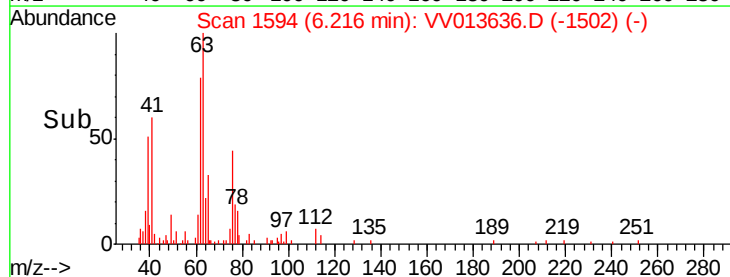
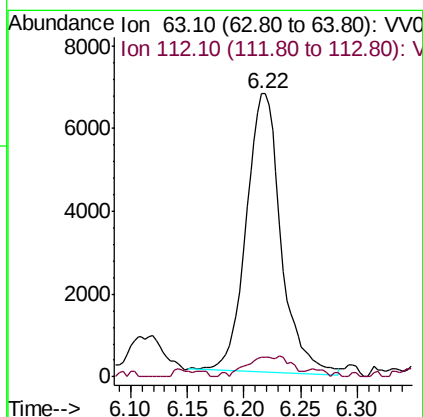
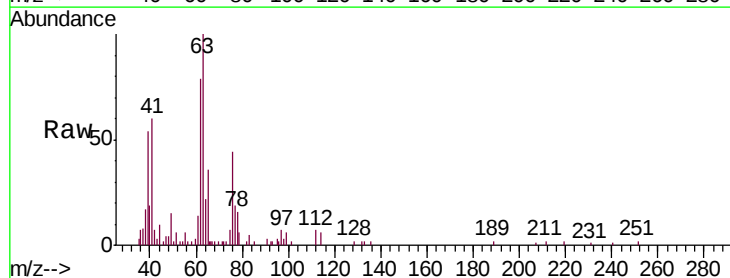
Acq: 15 Nov 2019 12:42

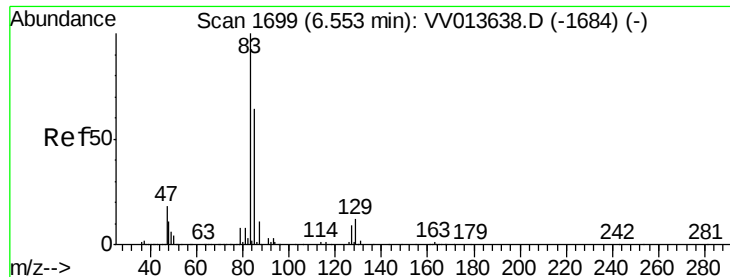
Tgt Ion: 63 Resp: 14484

Ion Ratio Lower Upper

63 100

112 5.5 4.1 6.1





#38

Bromodichloromethane

Concen: 0.549 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

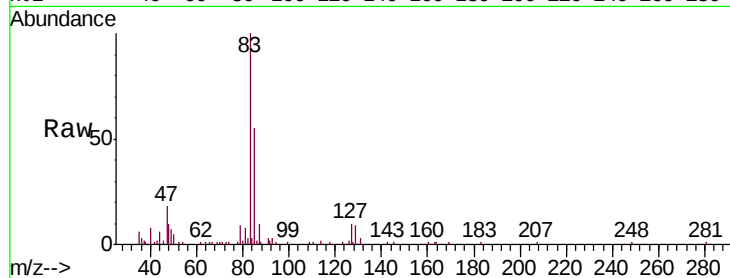
Tgt Ion: 83 Resp: 23488

Ion Ratio Lower Upper

83 100

85 54.7 44.9 83.5

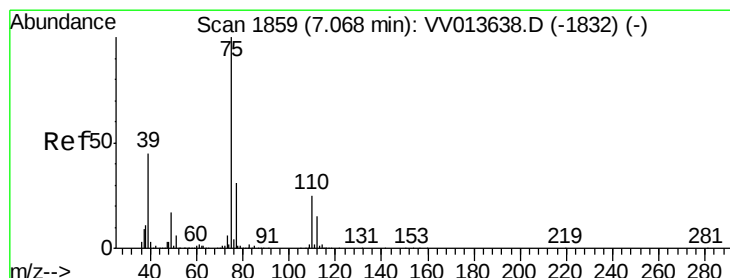
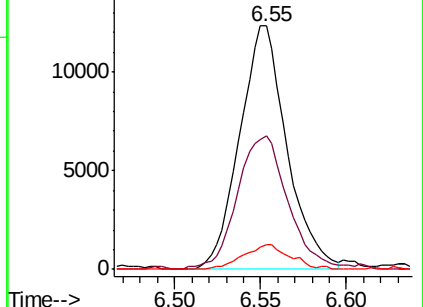
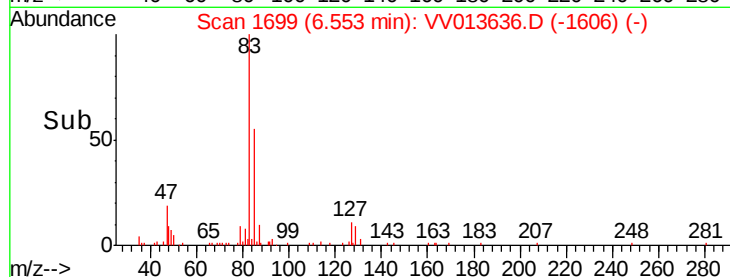
127 10.4 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013636.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV013636.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV013636.D (-1684) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.437 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013636.D

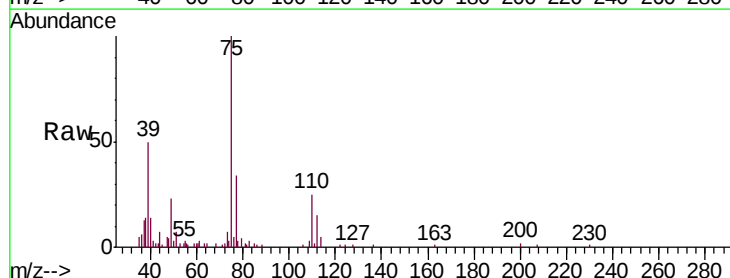
Acq: 15 Nov 2019 12:42

Tgt Ion: 75 Resp: 19222

Ion Ratio Lower Upper

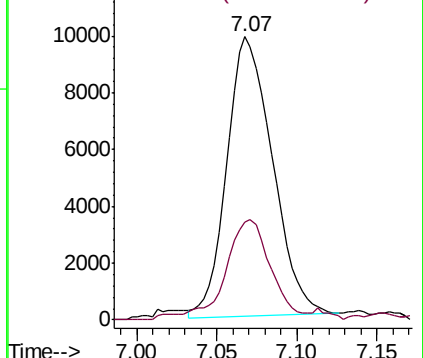
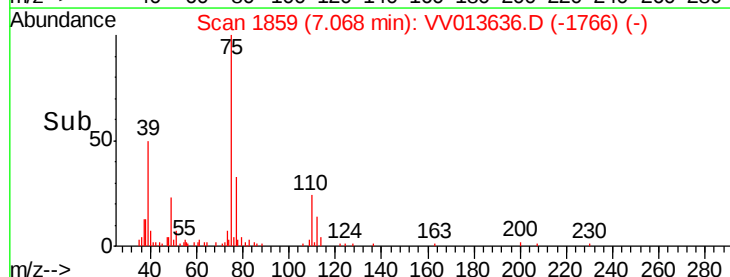
75 100

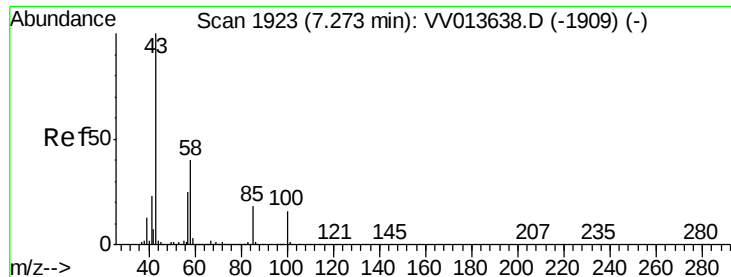
77 34.3 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV013636.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV013636.D (-1766) (-)

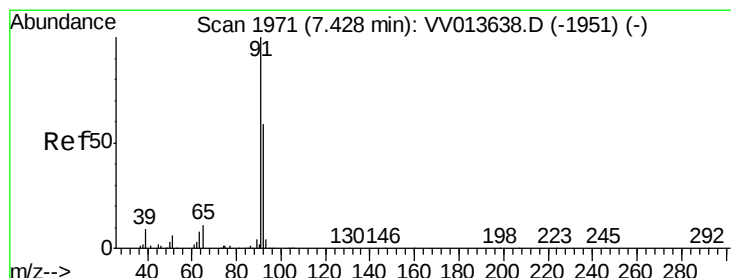
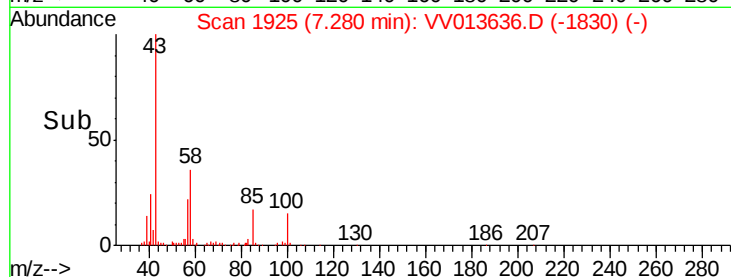
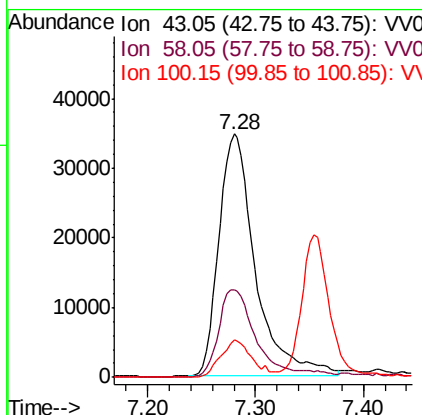
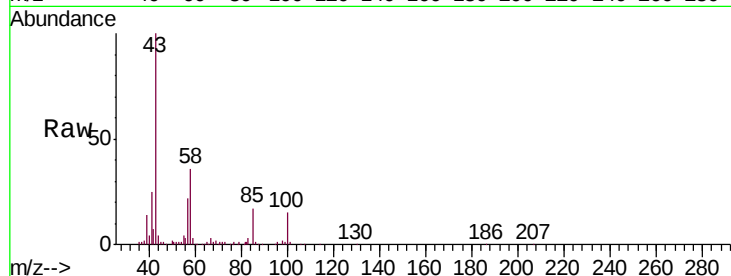




#40
4-Methyl-2-pentanone
Concen: 4.633 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

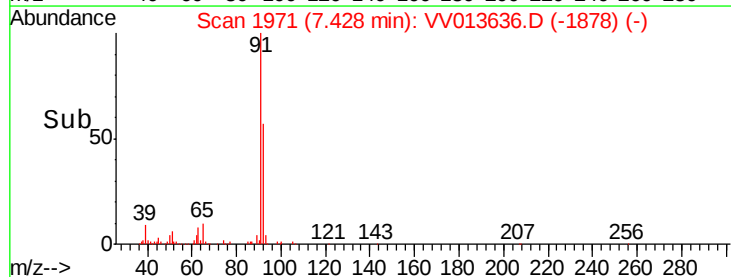
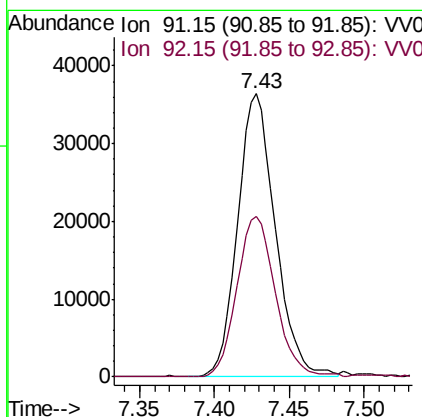
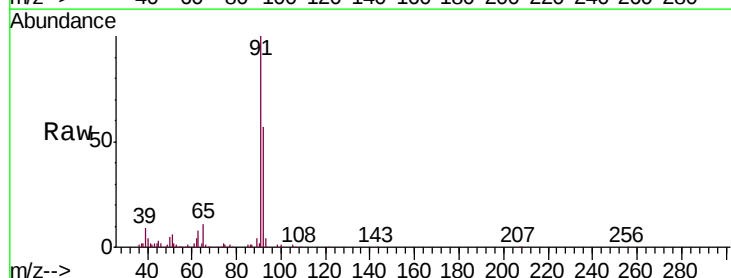
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

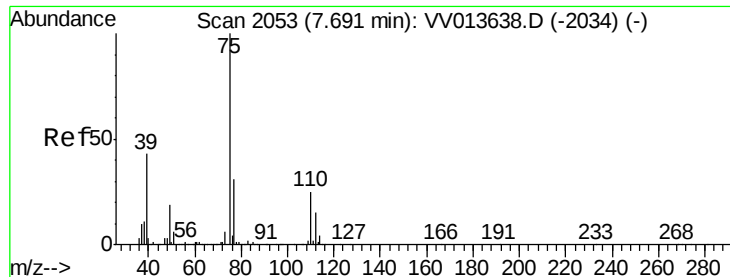
Tgt Ion: 43 Resp: 81933
Ion Ratio Lower Upper
43 100
58 38.2 31.5 47.3
100 13.4 12.2 18.4



#42
Toluene
Concen: 0.485 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Tgt Ion: 91 Resp: 64056
Ion Ratio Lower Upper
91 100
92 56.6 41.2 76.6





#44

trans-1,3-Dichloropropene

Concen: 0.488 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

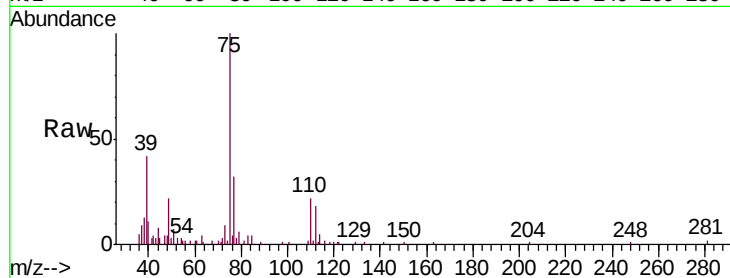
VSTD0.531

Tgt Ion: 75 Resp: 16198

Ion Ratio Lower Upper

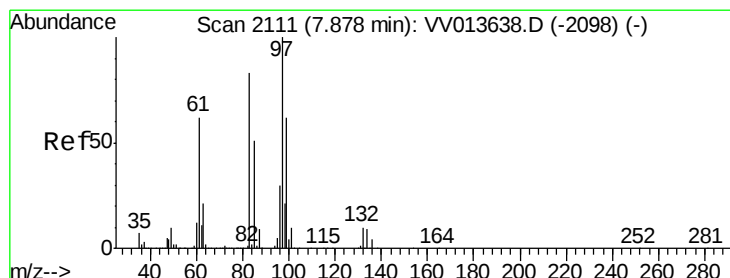
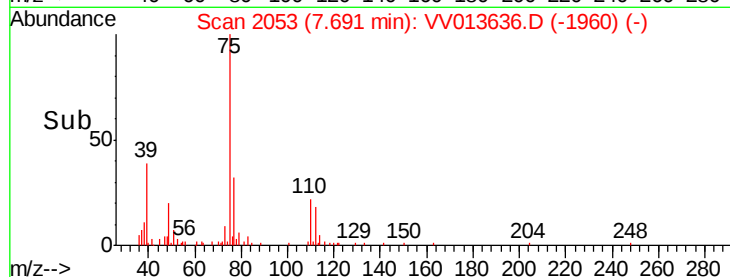
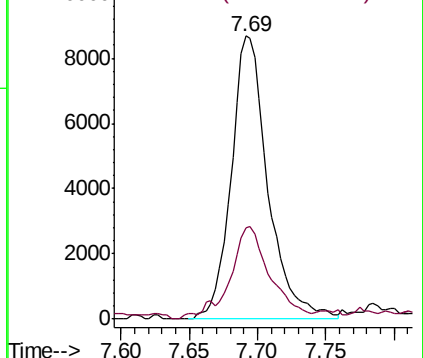
75 100

77 32.2 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV013638.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV013638.D (-2034) (-)



#45

1,1,2-Trichloroethane

Concen: 0.496 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Tgt Ion: 97 Resp: 11160

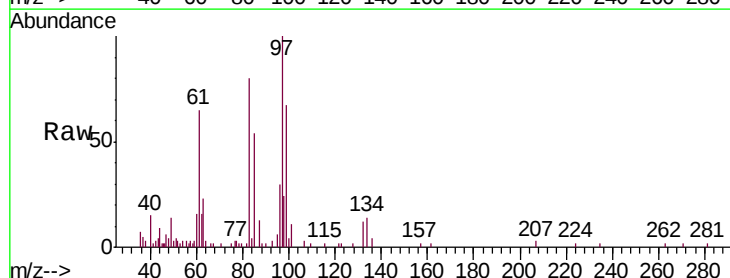
Ion Ratio Lower Upper

97 100

99 67.4 43.8 81.3

83 80.0 58.0 107.8

85 53.9 36.0 67.0

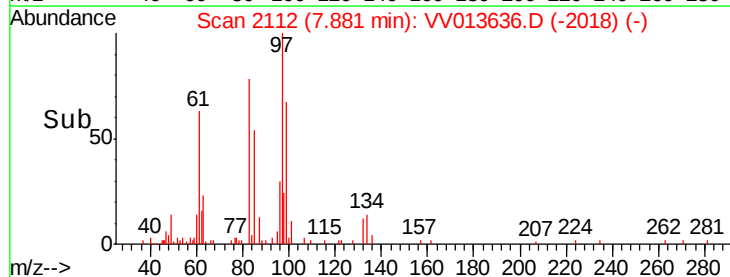
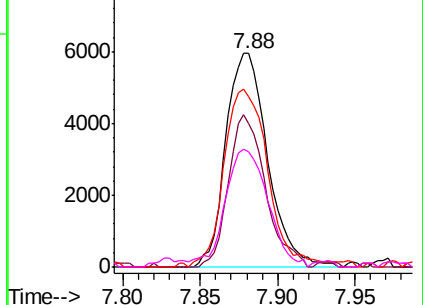


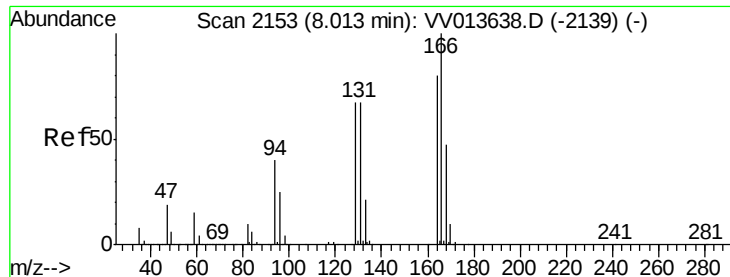
Abundance Ion 96.95 (96.65 to 97.65): VV013638.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV013638.D (-2098) (-)

Ion 82.95 (82.65 to 83.65): VV013638.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013638.D (-2098) (-)





#47

Tetrachloroethene

Concen: 0.530 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

Tgt Ion:164 Resp: 16505

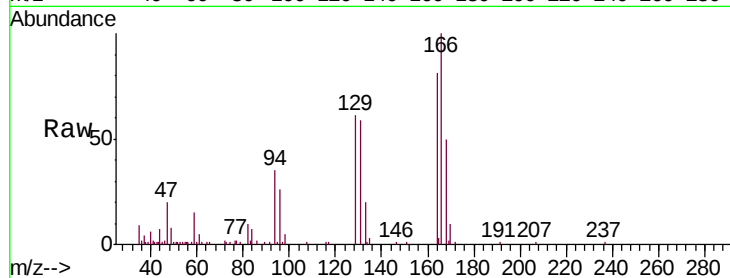
Ion Ratio Lower Upper

164 100

129 76.2 59.1 109.9

131 73.3 58.9 109.5

166 124.1 87.8 163.2

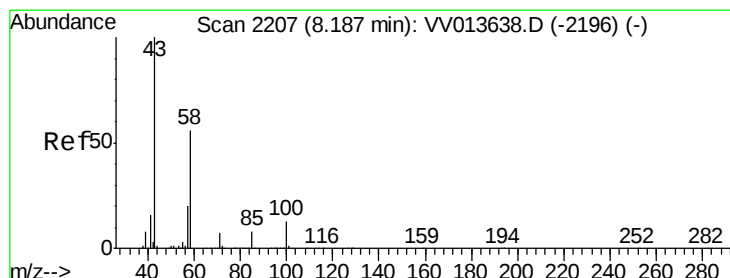
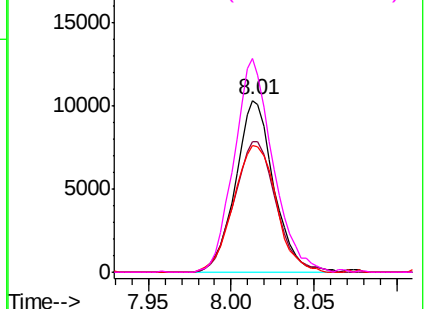
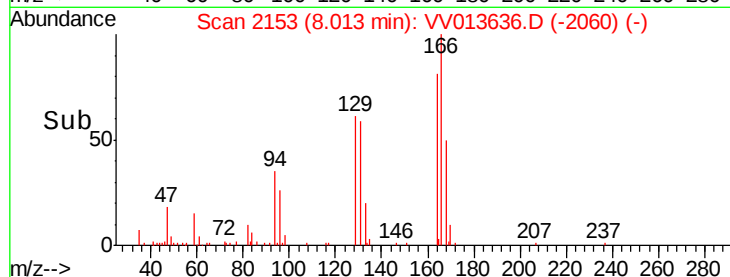


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 5.093 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Tgt Ion: 43 Resp: 62579

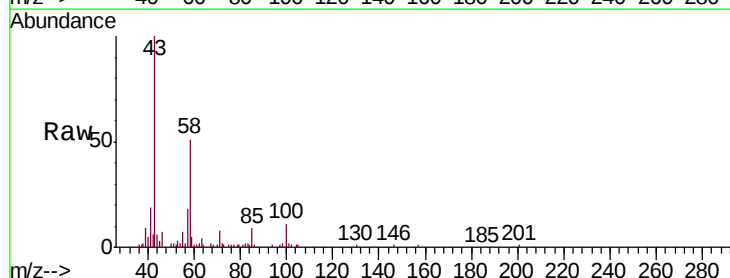
Ion Ratio Lower Upper

43 100

58 53.5 43.0 64.6

57 15.6 15.4 23.2

100 10.5 10.1 15.1

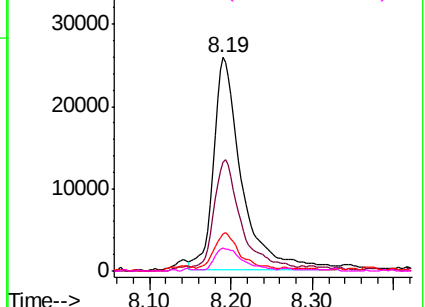
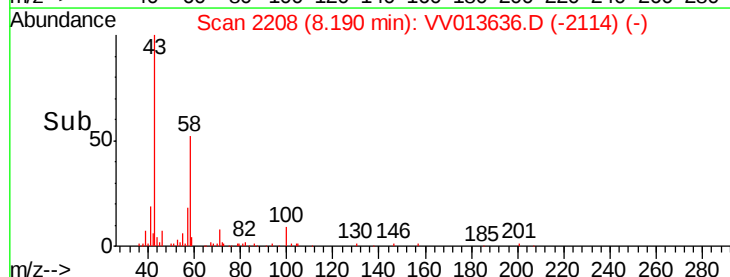


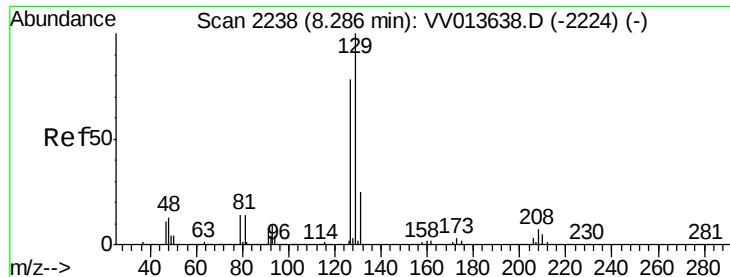
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.484 ug/L

RT: 8.28 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

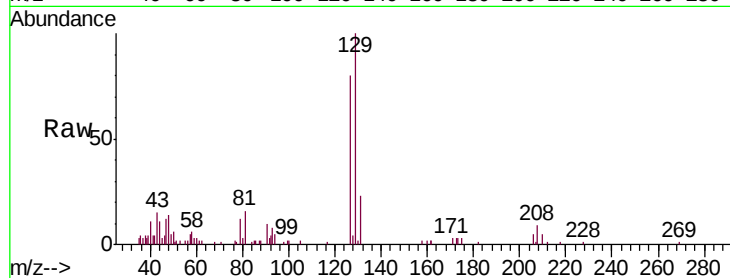
VSTD0.531

Tgt Ion:129 Resp: 13657

Ion Ratio Lower Upper

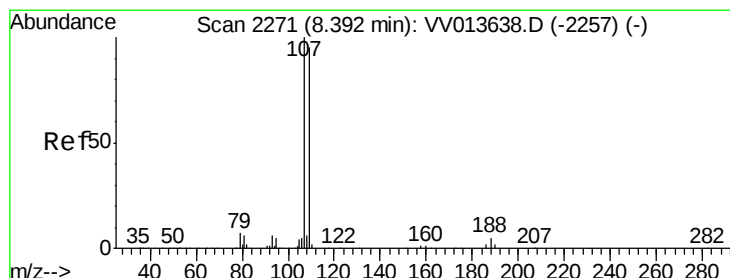
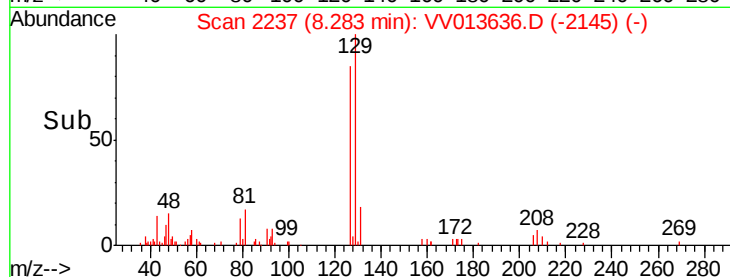
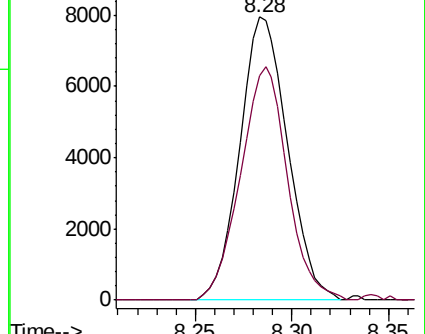
129 100

127 79.5 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.525 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

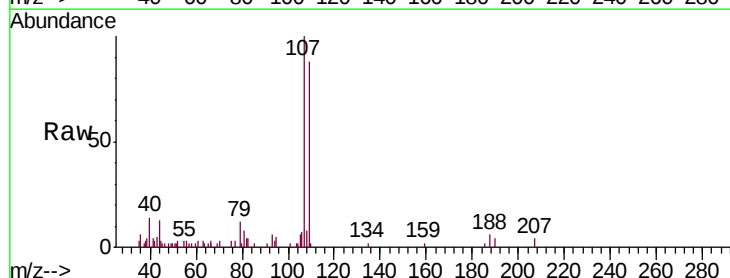
Tgt Ion:107 Resp: 10853

Ion Ratio Lower Upper

107 100

109 88.3 66.5 123.5

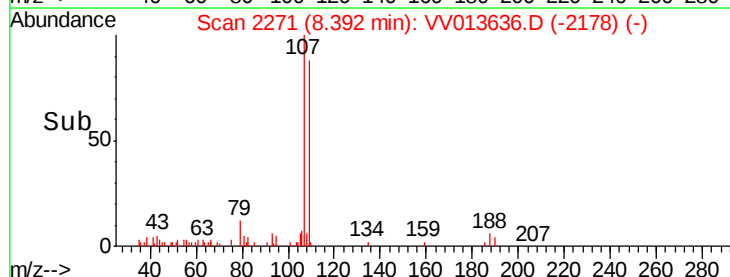
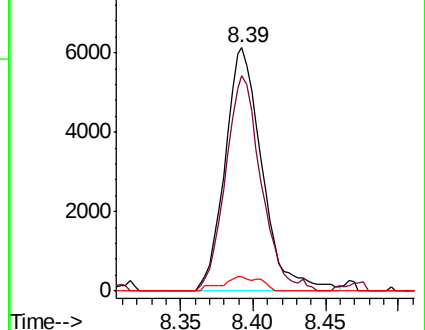
188 5.8 3.6 5.4#

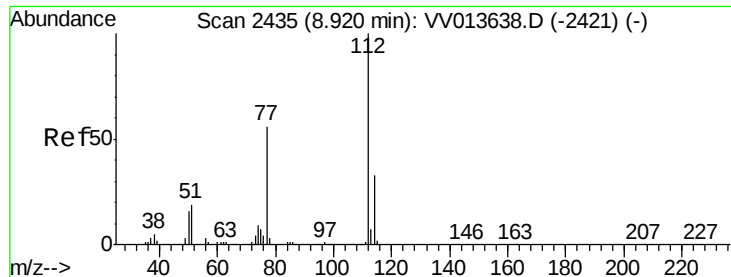


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.551 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

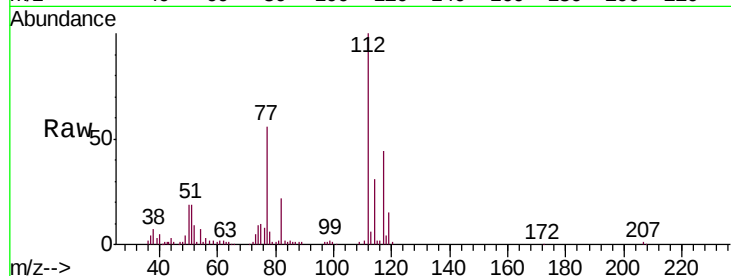
Tgt Ion: 112 Resp: 47841

Ion Ratio Lower Upper

112 100

114 31.1 22.8 42.4

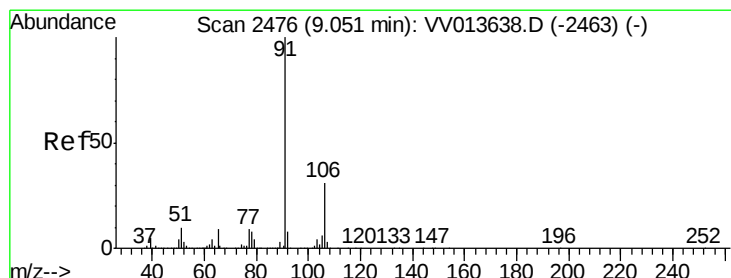
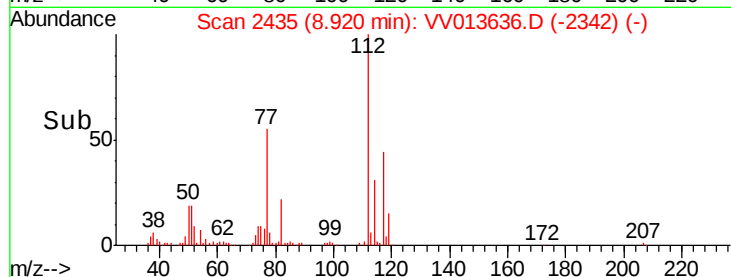
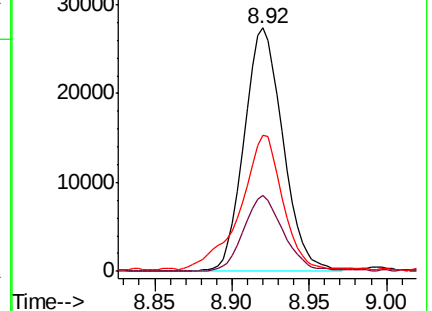
77 56.1 45.0 67.4



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



#52

Ethylbenzene

Concen: 0.477 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013636.D

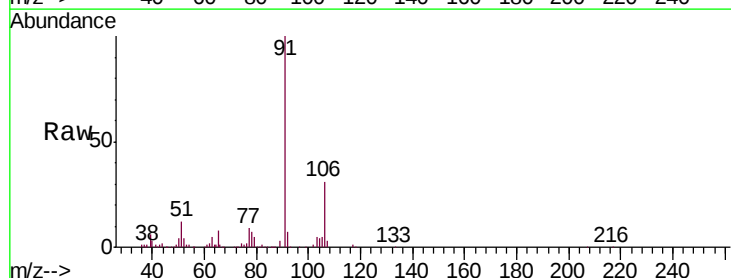
Acq: 15 Nov 2019 12:42

Tgt Ion: 91 Resp: 66477

Ion Ratio Lower Upper

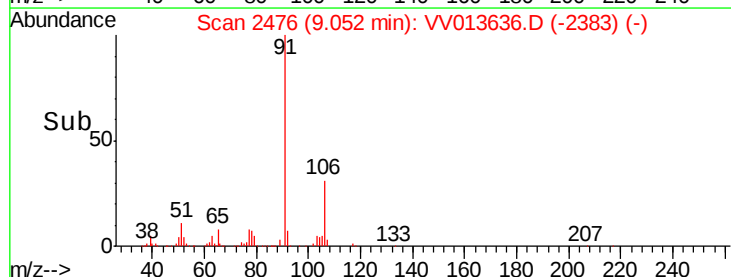
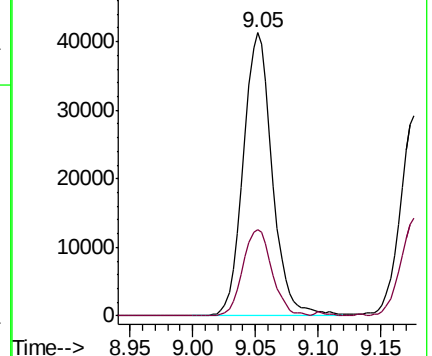
91 100

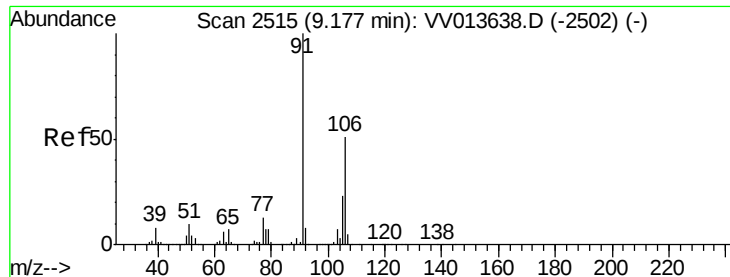
106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V

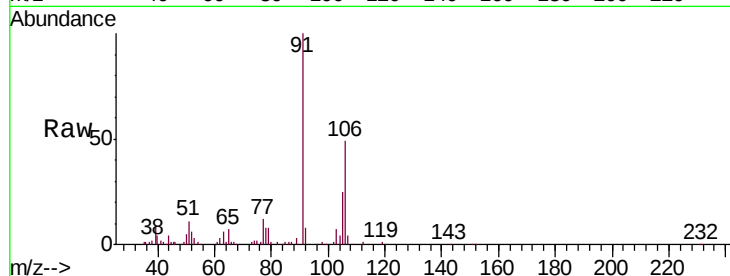




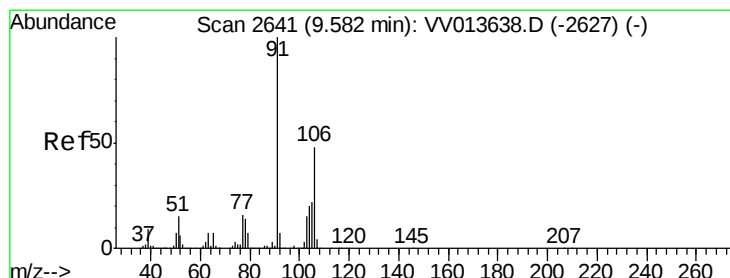
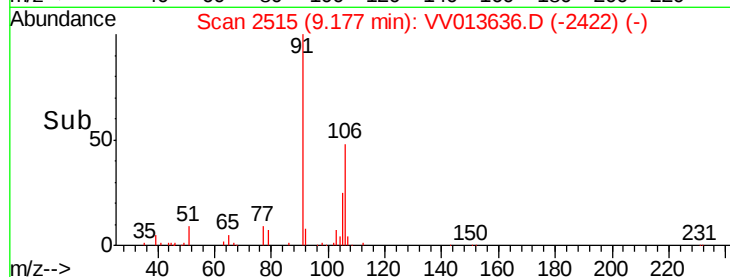
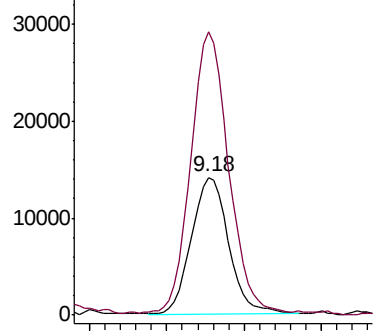
#53
m,p-xylene
Concen: 0.442 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

Tgt Ion:106 Resp: 23489
Ion Ratio Lower Upper
106 100
91 205.4 138.1 256.5

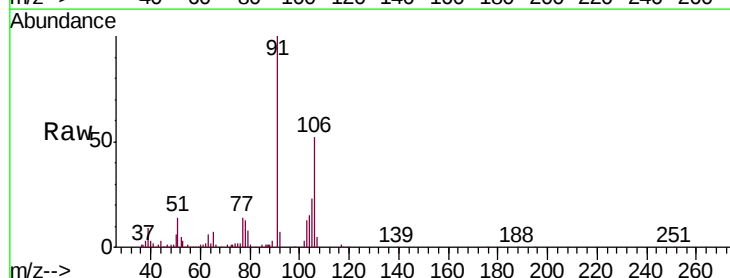


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

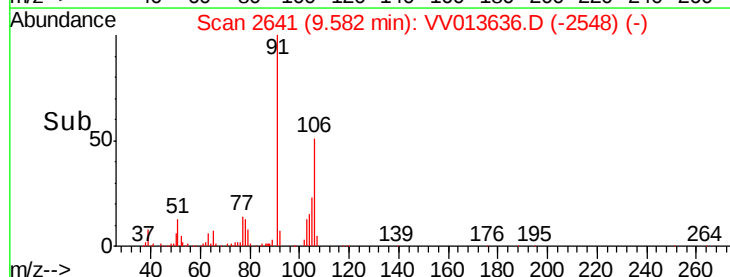
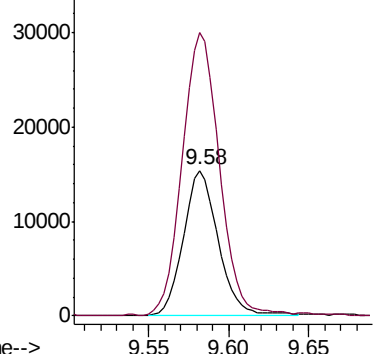


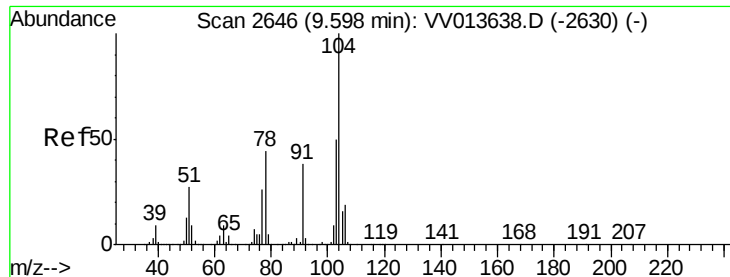
#54
o-xylene
Concen: 0.460 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013636.D
Acq: 15 Nov 2019 12:42

Tgt Ion:106 Resp: 23049
Ion Ratio Lower Upper
106 100
91 194.2 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.436 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

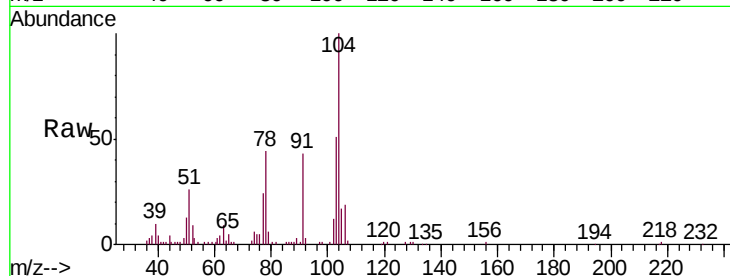
VSTD0.531

Tgt Ion:104 Resp: 37533

Ion Ratio Lower Upper

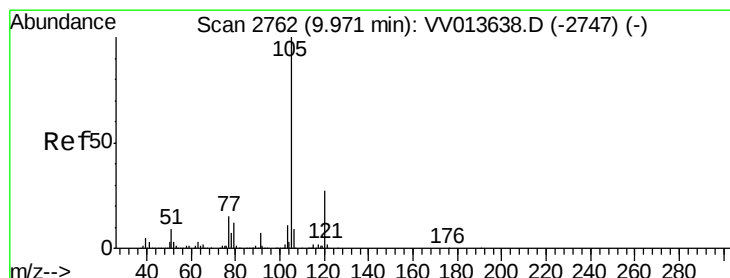
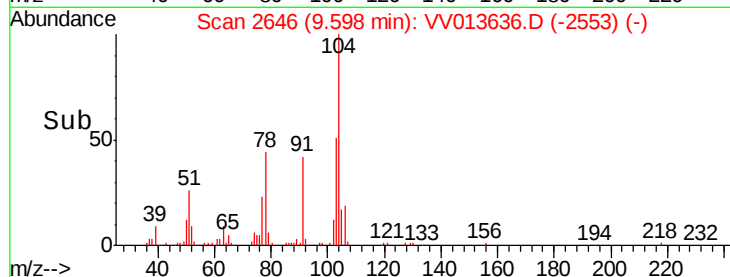
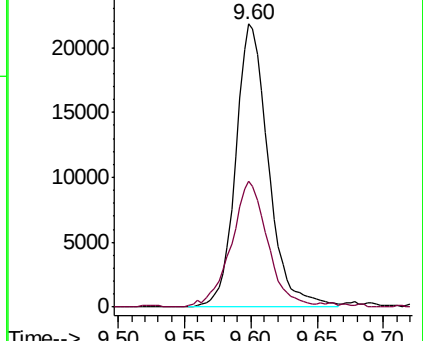
104 100

78 44.3 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.446 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

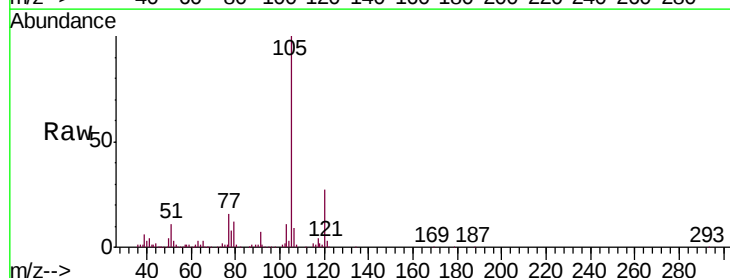
Tgt Ion:105 Resp: 59532

Ion Ratio Lower Upper

105 100

120 27.5 21.2 31.8

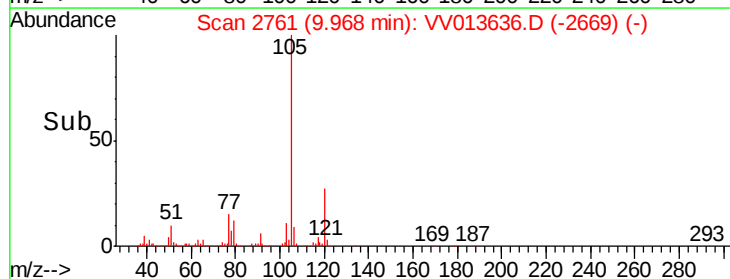
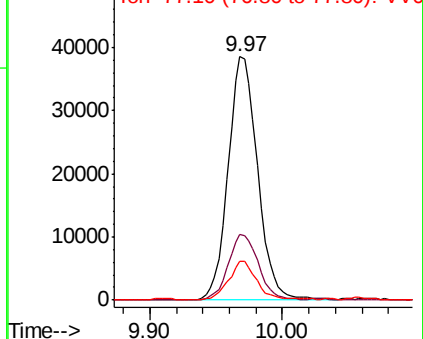
77 14.3 11.9 17.9

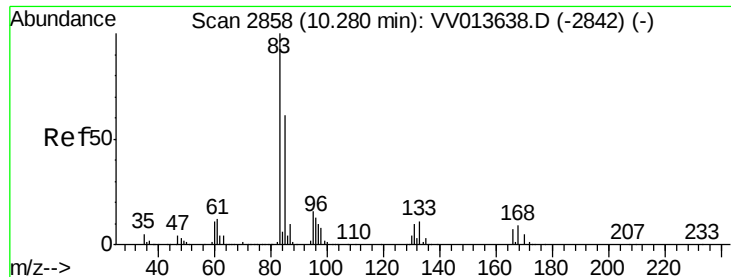


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.484 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

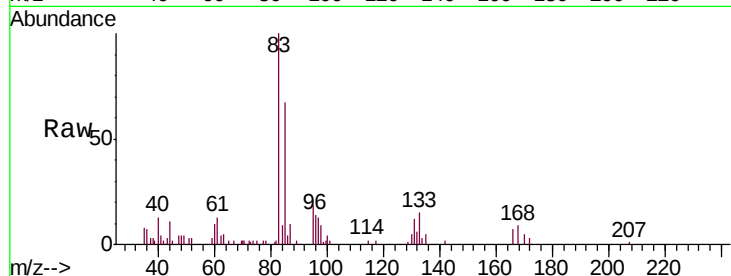
Tgt Ion: 83 Resp: 11988

Ion Ratio Lower Upper

83 100

85 67.2 43.0 80.0

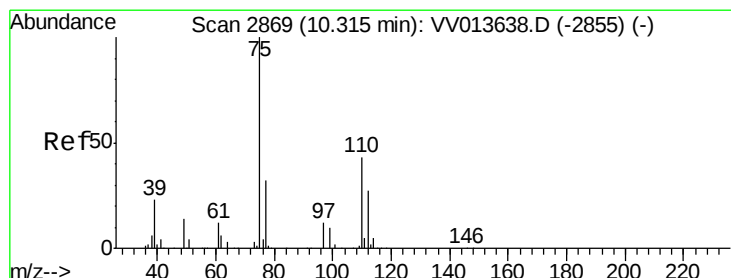
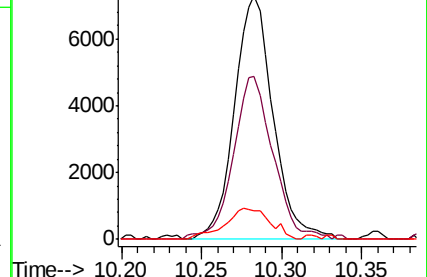
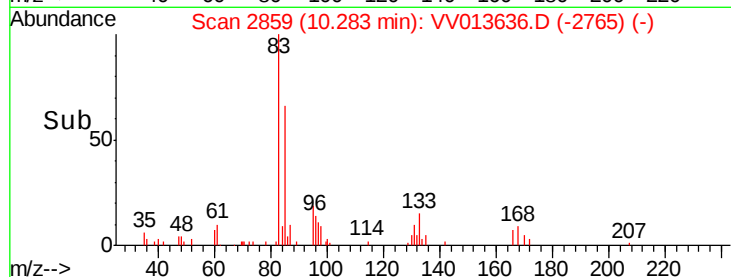
131 11.6 8.3 12.5



Abundance Ion 82.95 (82.65 to 83.65): VV013636.D (-2842) (-)

Ion 85.00 (84.70 to 85.70): VV013636.D (-2842) (-)

Ion 130.95 (130.65 to 131.65): VV013636.D (-2842) (-)



#59

1,2,3-Trichloropropane

Concen: 0.520 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013636.D

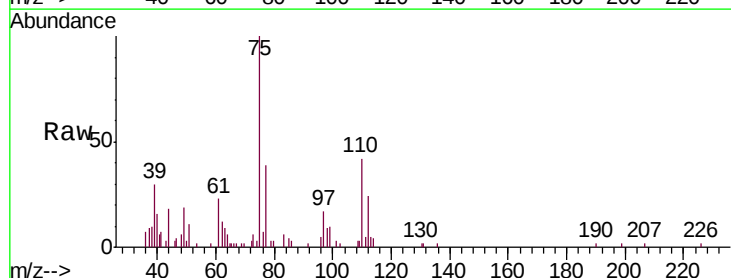
Acq: 15 Nov 2019 12:42

Tgt Ion: 75 Resp: 9926

Ion Ratio Lower Upper

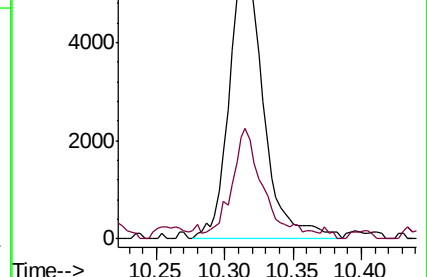
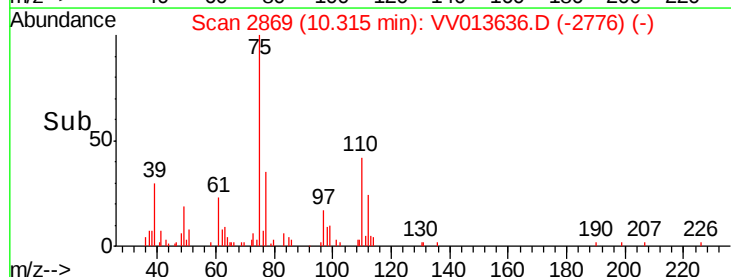
75 100

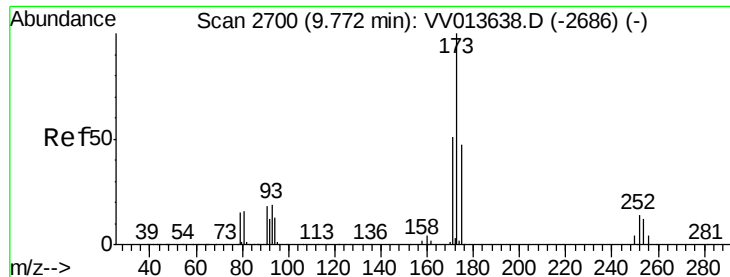
77 34.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV013636.D (-2776) (-)

Ion 77.00 (76.70 to 77.70): VV013636.D (-2776) (-)





#61

Bromoform

Concen: 0.532 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

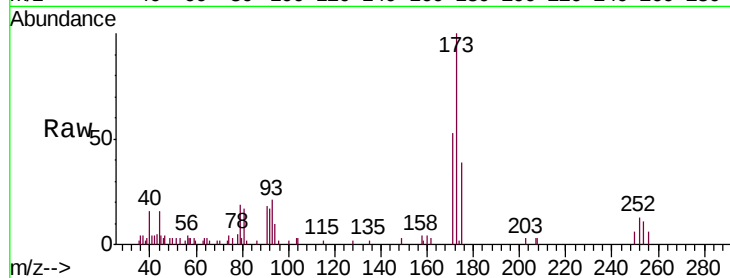
Tgt Ion:173 Resp: 8250

Ion Ratio Lower Upper

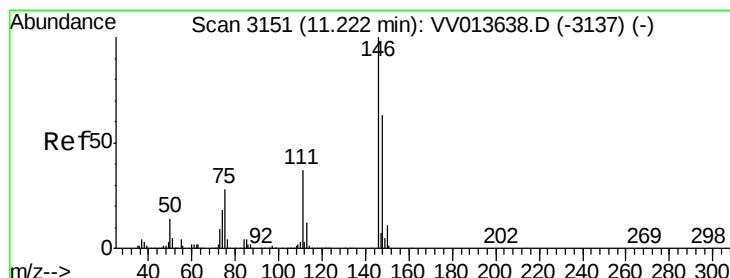
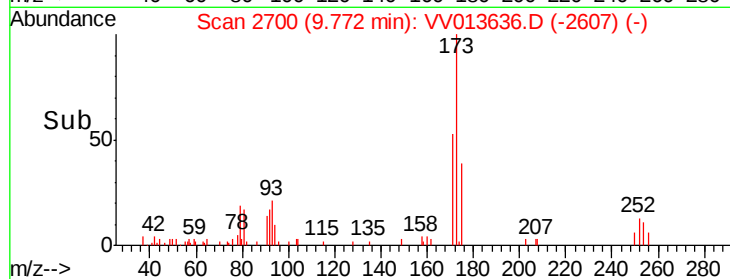
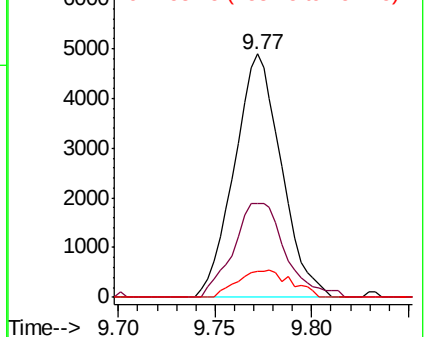
173 100

175 42.8 38.2 57.2

254 12.8 10.4 15.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.568 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013636.D

Acq: 15 Nov 2019 12:42

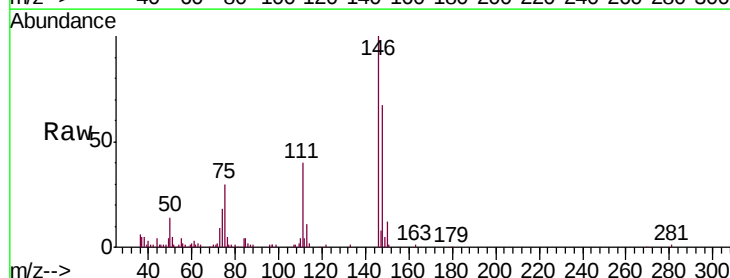
Tgt Ion:146 Resp: 37881

Ion Ratio Lower Upper

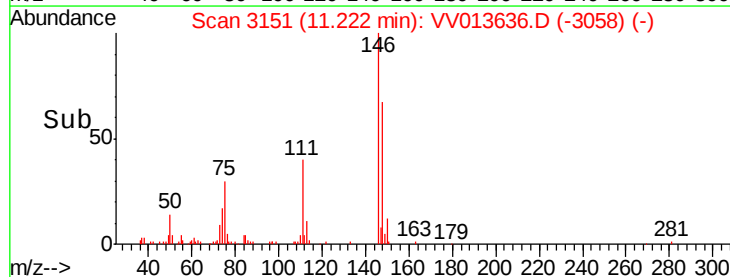
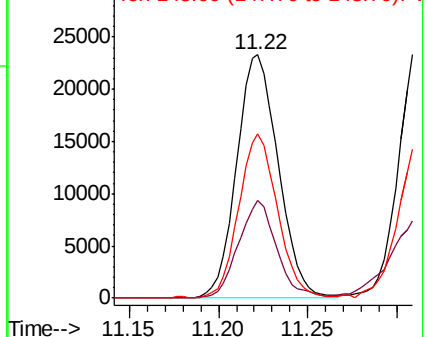
146 100

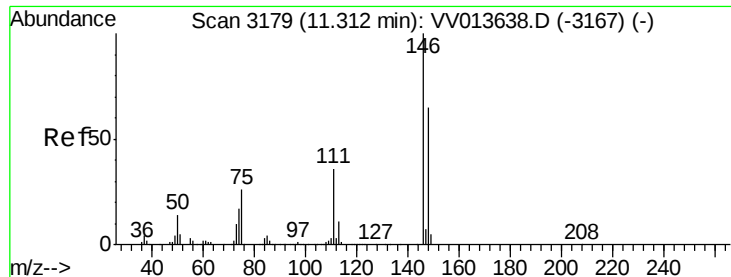
111 40.1 26.2 48.6

148 67.5 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

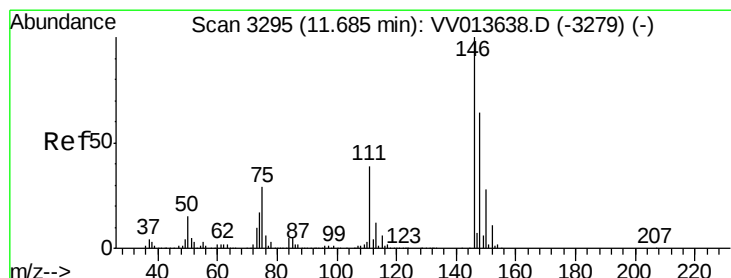
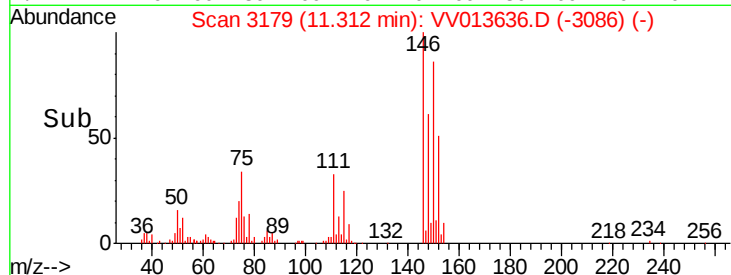
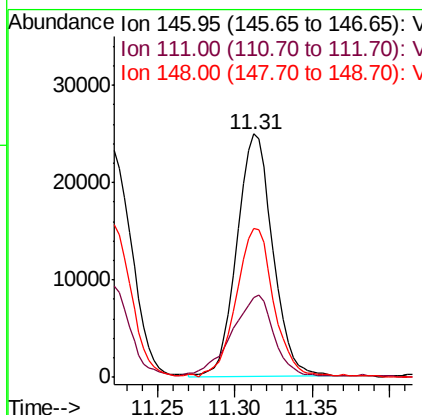
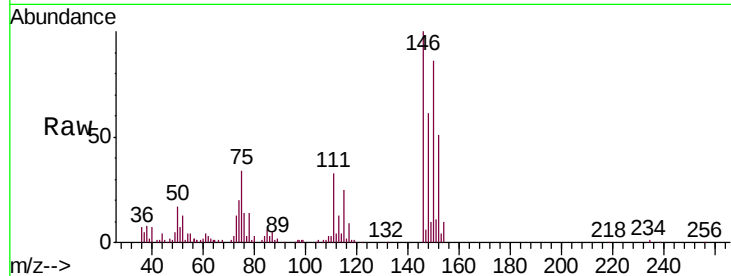




#63
 1,4-Dichlorobenzene
 Concen: 0.582 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

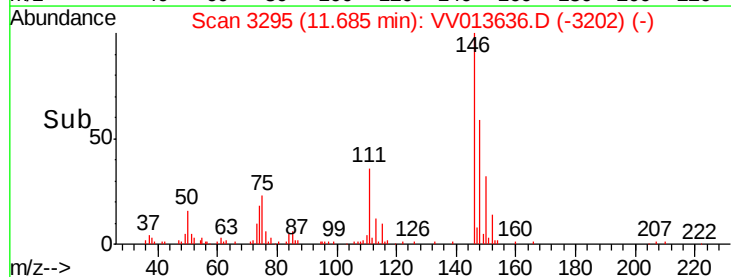
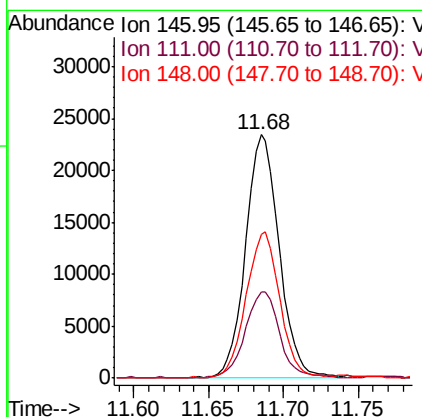
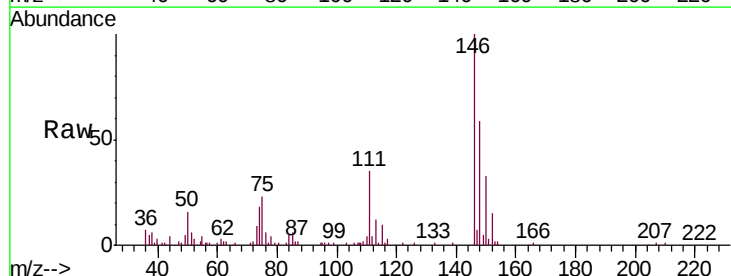
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

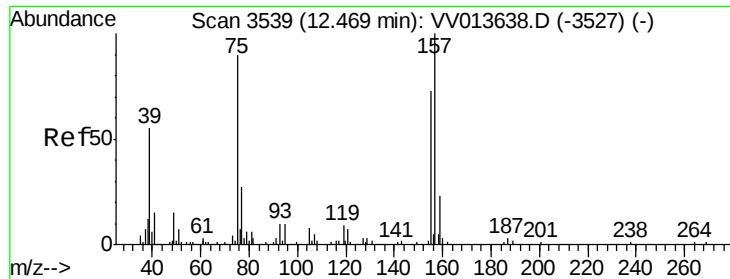
Tgt Ion:146 Resp: 39729
 Ion Ratio Lower Upper
 146 100
 111 32.7 25.6 47.6
 148 61.1 45.6 84.8



#65
 1,2-Dichlorobenzene
 Concen: 0.594 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

Tgt Ion:146 Resp: 36711
 Ion Ratio Lower Upper
 146 100
 111 35.4 31.3 46.9
 148 59.2 51.1 76.7

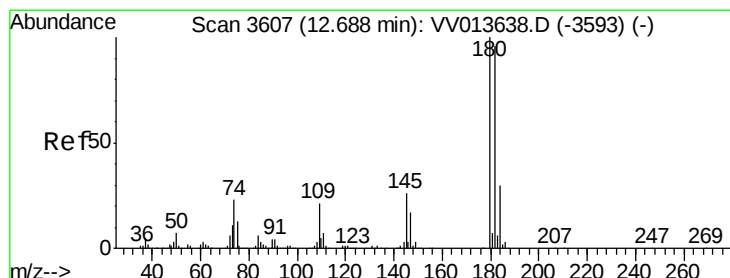
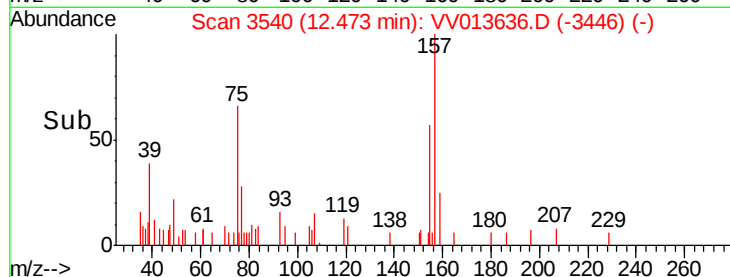
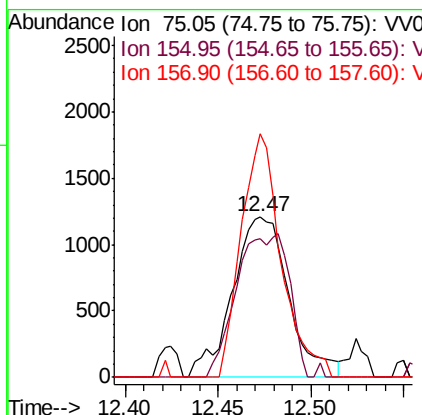
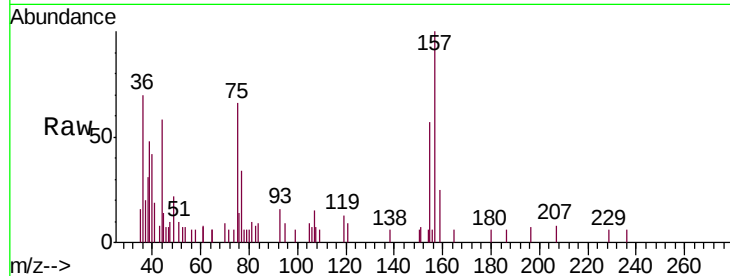




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.675 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

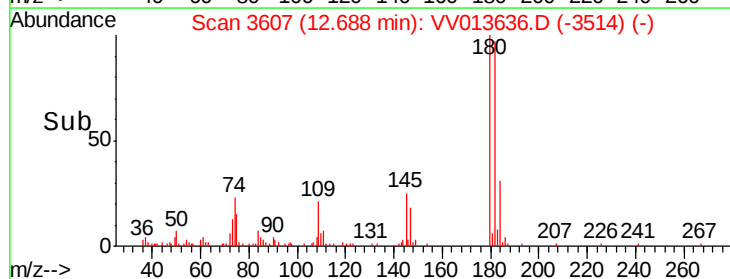
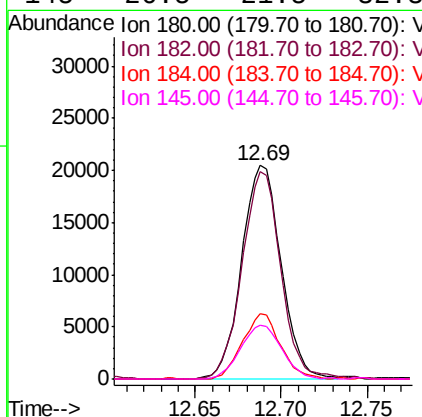
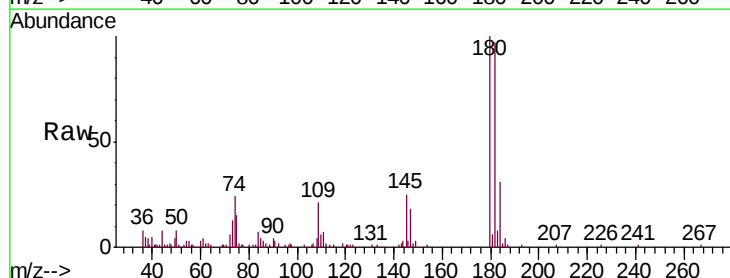
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

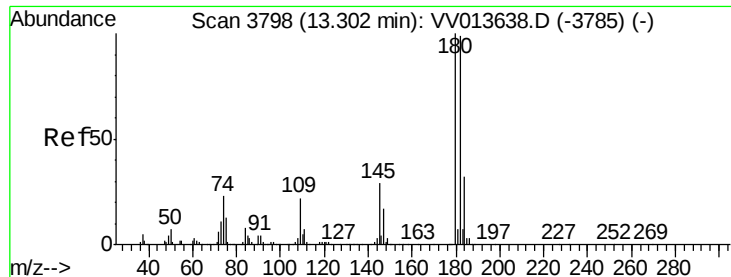
Tgt Ion: 75 Resp: 2551
 Ion Ratio Lower Upper
 75 100
 155 86.6 64.8 97.2
 157 151.6 89.1 133.7#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.599 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

Tgt Ion: 180 Resp: 32585
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.0 115.6
 184 29.4 24.4 36.6
 145 26.5 21.5 32.3

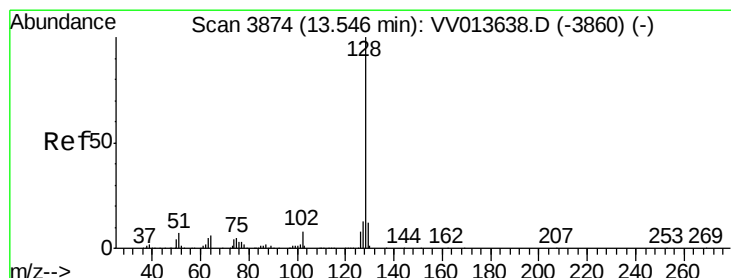
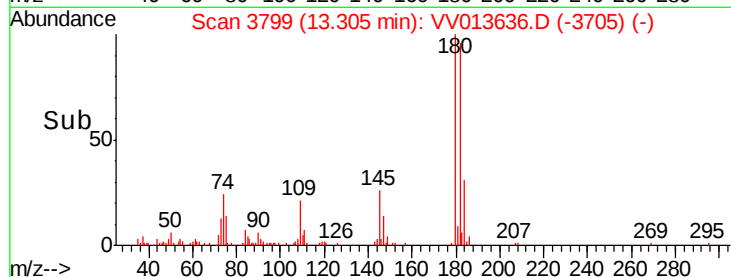
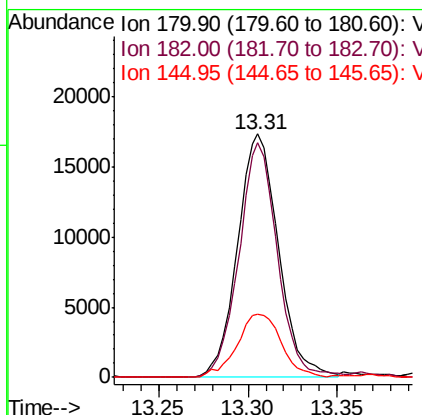
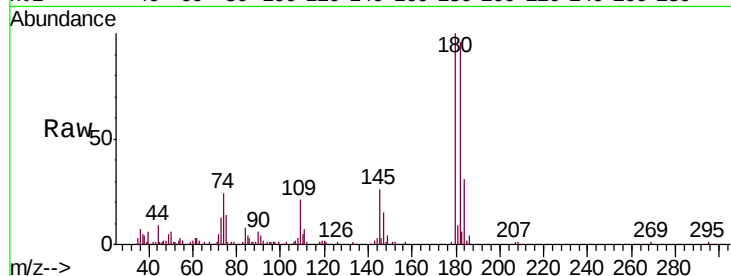




#68
 1,2,4-trichlorobenzene
 Concen: 0.649 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

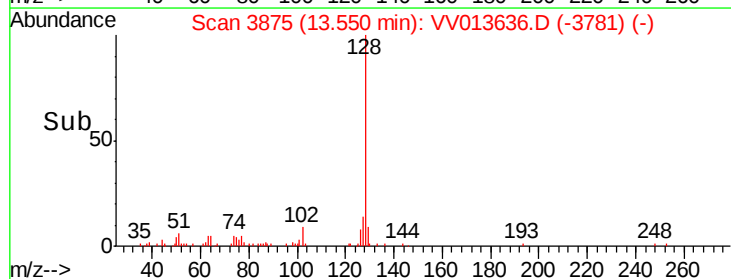
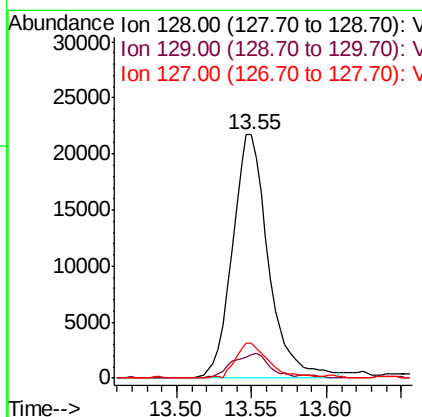
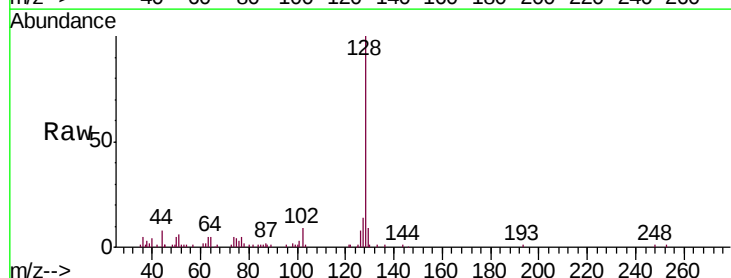
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

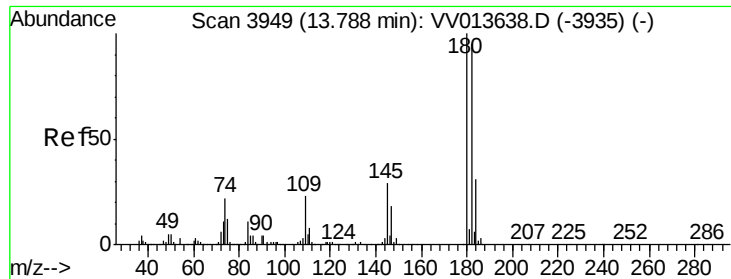
Tgt Ion:180 Resp: 27741
 Ion Ratio Lower Upper
 180 100
 182 90.6 77.2 115.8
 145 28.1 22.6 33.8



#69
 Naphthalene
 Concen: 0.662 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

Tgt Ion:128 Resp: 36381
 Ion Ratio Lower Upper
 128 100
 129 10.5 8.6 13.0
 127 13.3 10.4 15.6





#70
 1,2,3-Trichlorobenzene
 Concen: 0.613 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV013636.D
 Acq: 15 Nov 2019 12:42

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tgt Ion:180 Resp: 24264
 Ion Ratio Lower Upper
 180 100
 182 103.0 75.6 113.4
 145 29.7 23.4 35.0

