

Data File : VV013671.D
Acq On : 18 Nov 2019 21:00
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Nov 19 04:31:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 19 04:25:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	376552	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	362922	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	198616	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	103911	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.58	69	93696	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.13	63	199051	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	3.96	46	318299	59.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.34%
24) Chloroform-d	4.40	84	251385	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.08	65	124175	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.09	84	479623	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.11	67	144288	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.35	98	450416	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.66	79	55815	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.13	63	250078	57.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	113962	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	186507	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	157421	4.546	ug/L 99
3) Chloromethane	1.25	50	161471	4.847	ug/L 97
5) Vinyl chloride	1.32	62	151011	4.758	ug/L 99
6) Bromomethane	1.53	94	94742	4.898	ug/L 98
8) Chloroethane	1.60	64	89927	5.048	ug/L 99
9) Trichlorofluoromethane	1.77	101	205049	4.860	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	111948	4.831	ug/L 98
12) 1,1-Dichloroethene	2.14	96	109153	4.852	ug/L 97
13) Acetone	2.22	43	196468	57.889	ug/L # 36
14) Carbon disulfide	2.31	76	364538	4.697	ug/L 100
15) Methyl Acetate	2.47	43	52562	5.468	ug/L 98
16) Methylene chloride	2.53	84	138350	4.425	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	289280	5.035	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	131121	4.726	ug/L 98
19) 1,1-Dichloroethane	3.23	63	244516	4.935	ug/L 99
21) 2-Butanone	4.04	43	327885	57.611	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	138716	4.817	ug/L # 100

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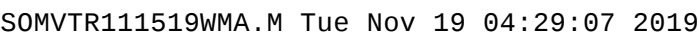
Instrument :
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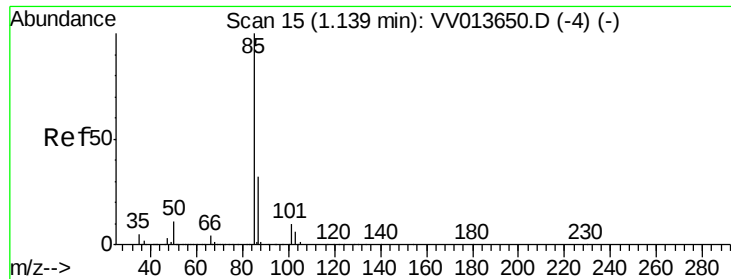
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	67097	5.055	ug/L	95
25) Chloroform	4.42	83	275808	4.111	ug/L	97
27) 1,2-Dichloroethane	5.18	62	155252	5.208	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	211879	4.830	ug/L	98
30) Cyclohexane	4.72	56	207153	4.747	ug/L	99
31) Carbon tetrachloride	4.87	117	192576	4.859	ug/L	96
33) Benzene	5.14	78	538609	4.903	ug/L	100
34) Trichloroethene	5.95	95	141423	4.810	ug/L	98
35) Methylcyclohexane	6.17	83	205125	4.574	ug/L	99
37) 1,2-Dichloropropane	6.22	63	133144	5.062	ug/L	100
38) Bromodichloromethane	6.55	83	171710	4.681	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	183924	4.865	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	840792	54.942	ug/L	99
42) Toluene	7.43	91	579946	4.941	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	147057	4.935	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	96309	5.077	ug/L	98
47) Tetrachloroethene	8.02	164	131353	4.821	ug/L	98
48) 2-Hexanone	8.18	43	616802	56.828	ug/L	98
49) Dibromochloromethane	8.29	129	124332	5.163	ug/L	95
50) 1,2-Dibromoethane	8.39	107	92025	5.050	ug/L	99
51) Chlorobenzene	8.92	112	370499	4.761	ug/L	98
52) Ethylbenzene	9.05	91	606259	4.846	ug/L	100
53) m,p-xylene	9.18	106	233616	4.951	ug/L	98
54) o-xylene	9.58	106	221972	4.891	ug/L	96
55) Styrene	9.60	104	393054	5.121	ug/L	100
56) Isopropylbenzene	9.97	105	598032	4.956	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	111269	5.288	ug/L	95
59) 1,2,3-Trichloropropane	10.31	75	82508	5.075	ug/L	99
61) Bromoform	9.77	173	74341	5.000	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	312888	4.700	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	310007	4.586	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	292116	4.711	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	17362	4.690	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	253737	4.592	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	202461	4.460	ug/L	97
69) Naphthalene	13.55	128	276352	4.458	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	196313	4.735	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 4.546 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

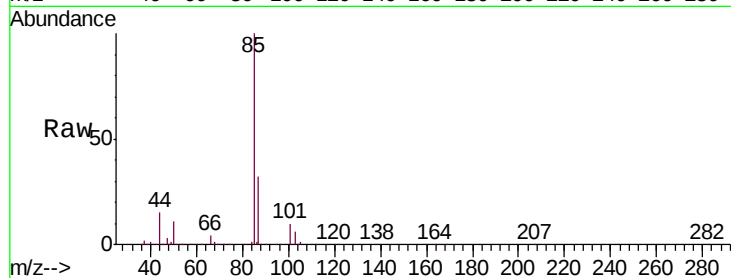
VSTD00539

Tgt Ion: 85 Resp: 157421

Ion Ratio Lower Upper

85 100

87 33.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013650.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VV013650.D (-4) (-)

1.14

150000

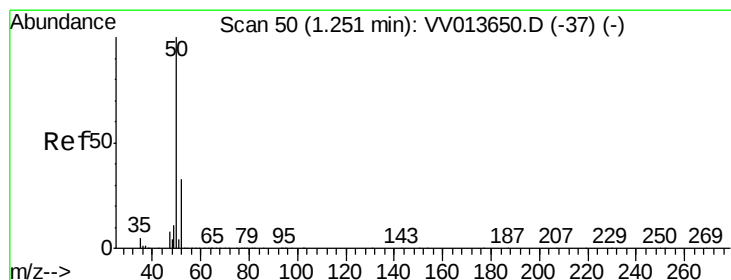
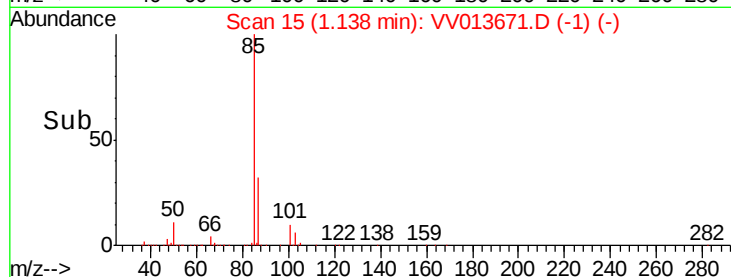
100000

50000

0

Time-->

1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.847 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013671.D

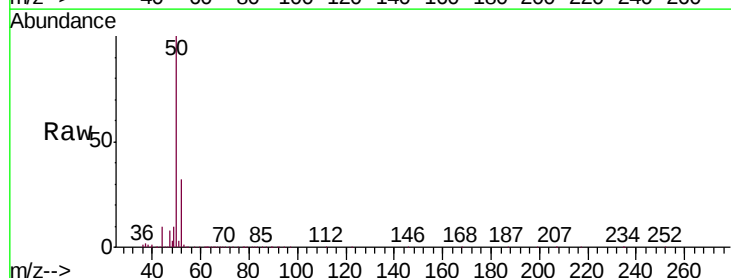
Acq: 18 Nov 2019 21:00

Tgt Ion: 50 Resp: 161471

Ion Ratio Lower Upper

50 100

52 31.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013650.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV013650.D (-37) (-)

1.25

150000

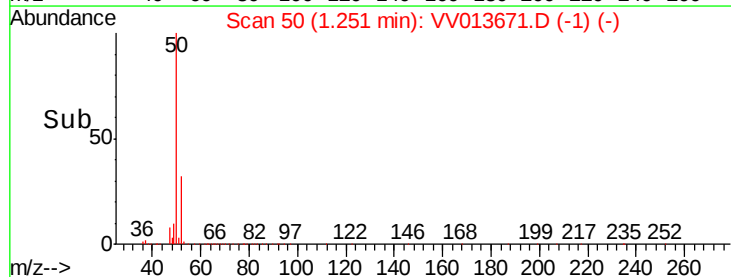
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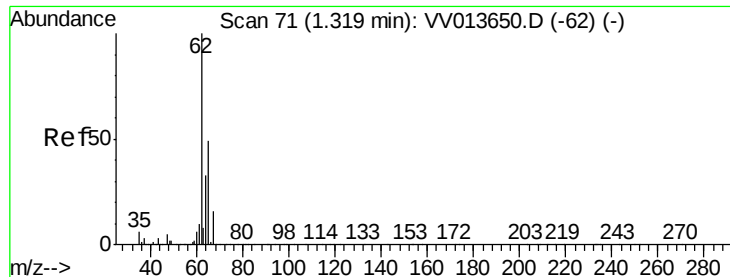
50000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.758 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

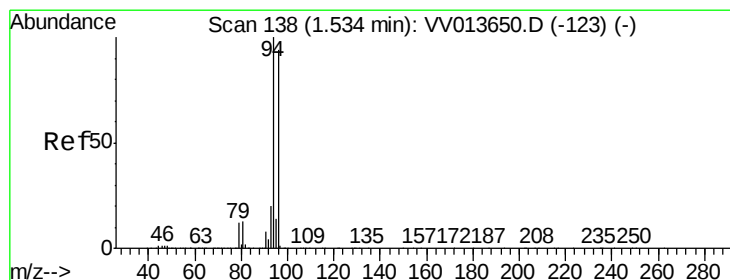
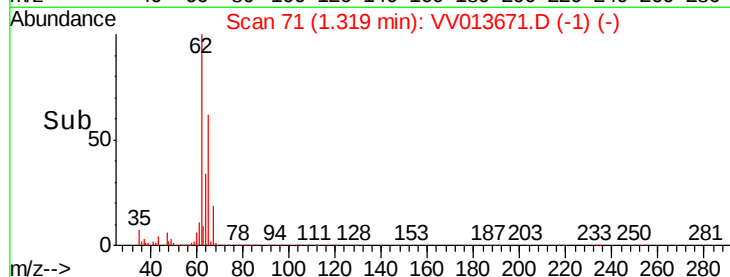
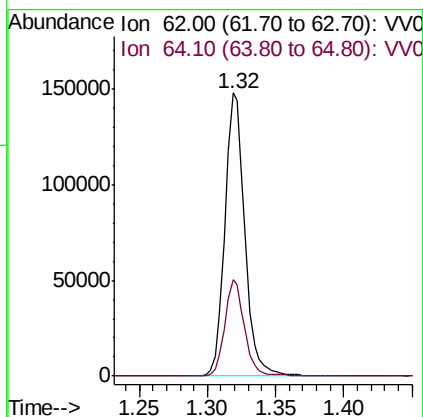
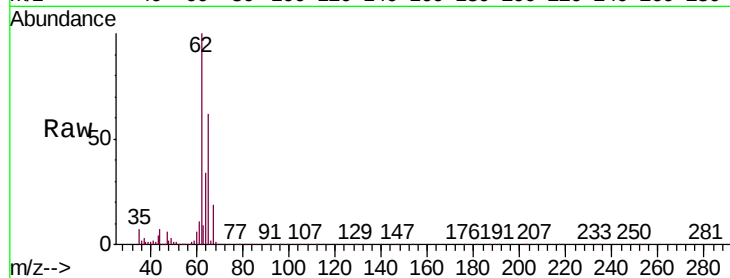
VSTD00539

Tgt Ion: 62 Resp: 151011

Ion Ratio Lower Upper

62 100

64 34.0 23.4 43.6



#6

Bromomethane

Concen: 4.898 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013671.D

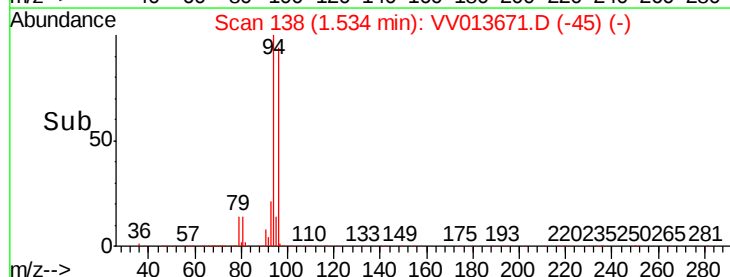
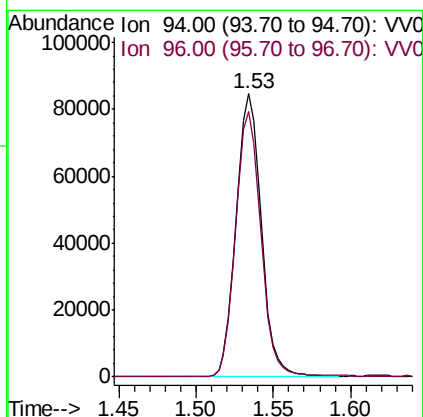
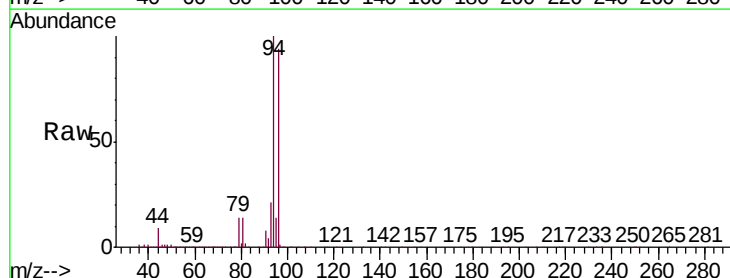
Acq: 18 Nov 2019 21:00

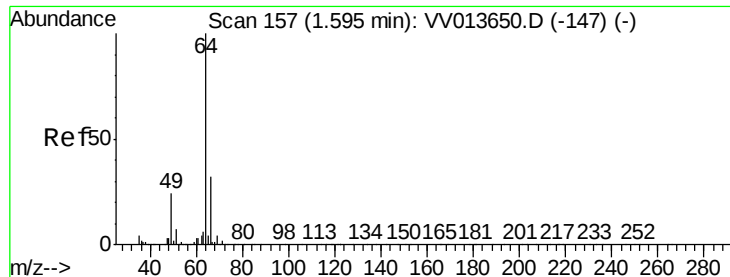
Tgt Ion: 94 Resp: 94742

Ion Ratio Lower Upper

94 100

96 93.7 67.0 124.4





#8

Chloroethane

Concen: 5.048 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

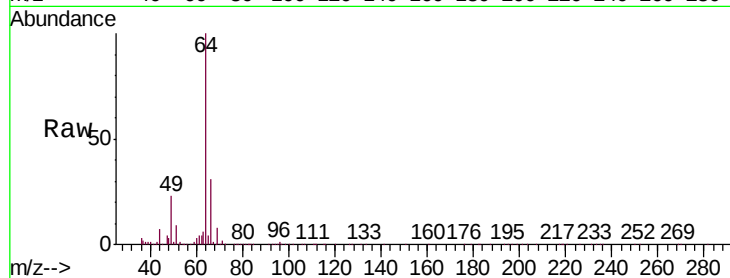
VSTD00539

Tgt Ion: 64 Resp: 89927

Ion Ratio Lower Upper

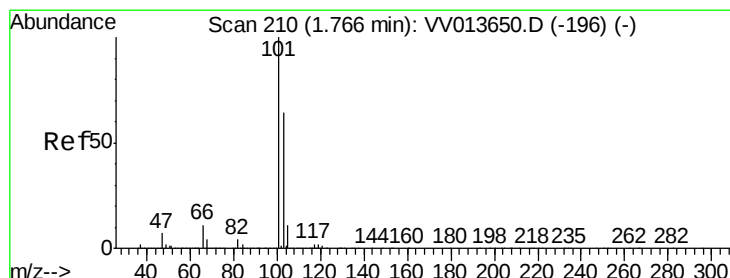
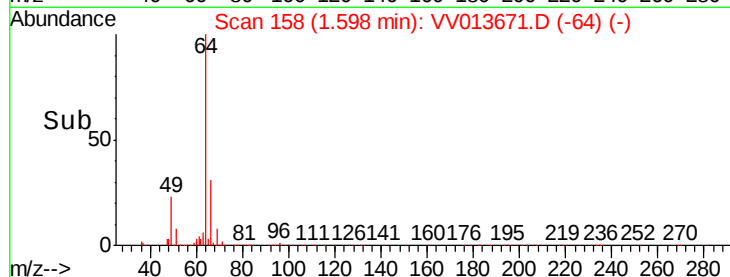
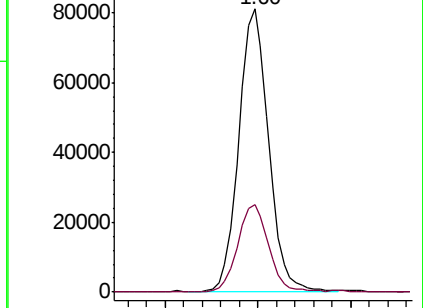
64 100

66 30.8 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VV013671.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV013671.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 4.860 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013671.D

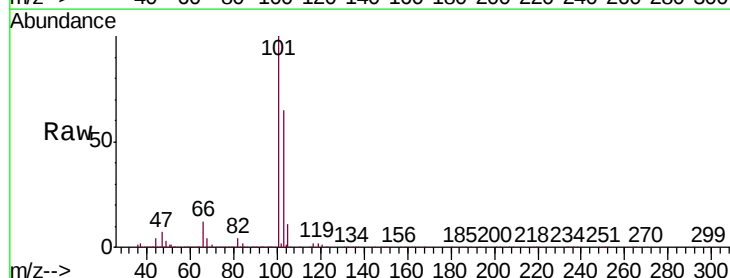
Acq: 18 Nov 2019 21:00

Tgt Ion: 101 Resp: 205049

Ion Ratio Lower Upper

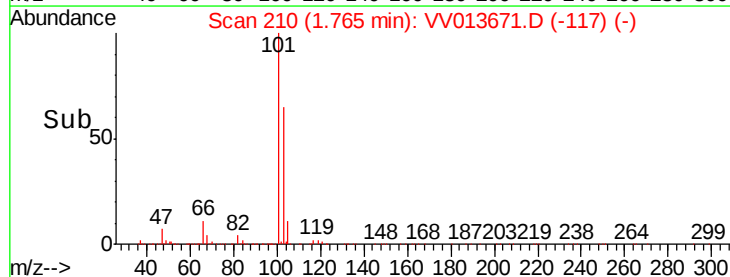
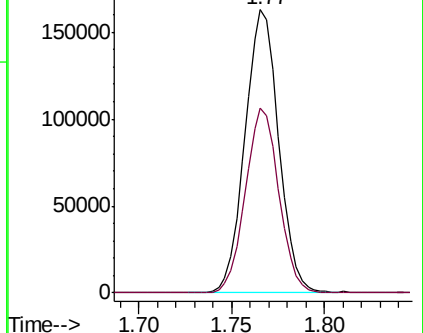
101 100

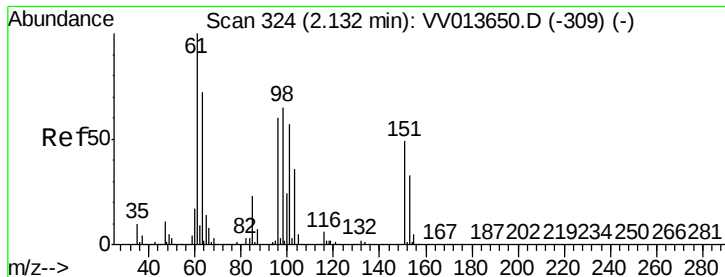
103 65.1 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV013671.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV013671.D (-103) (-)





#10

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

Concen: 4.831 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

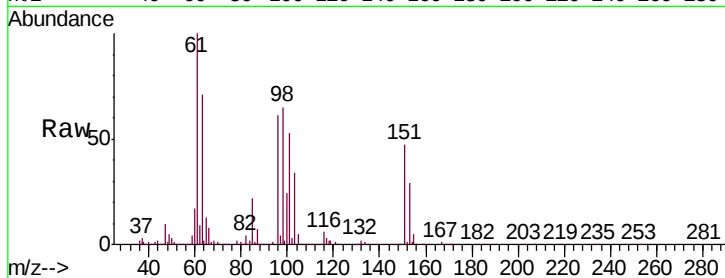
Tgt Ion: 101 Resp: 111948

Ion Ratio Lower Upper

101 100

85 42.1 32.0 48.0

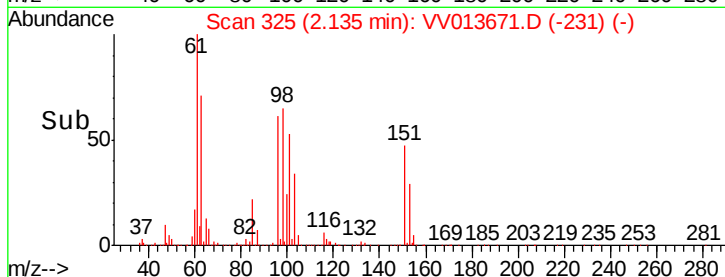
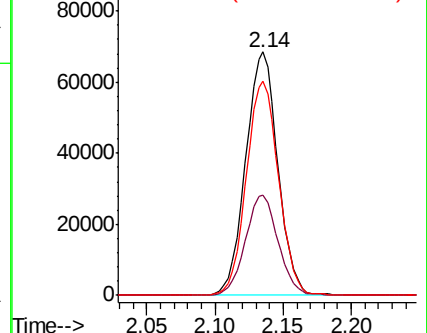
151 88.1 69.0 103.6



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: 4.852 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

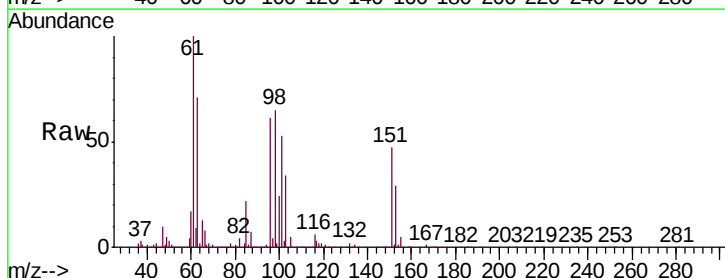
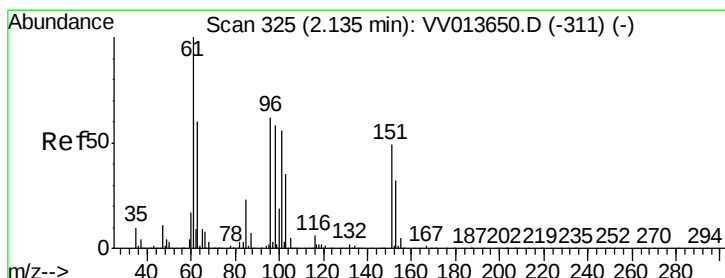
Tgt Ion: 96 Resp: 109153

Ion Ratio Lower Upper

96 100

61 163.4 112.5 208.9

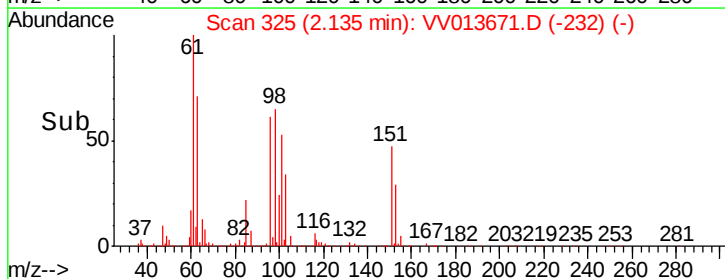
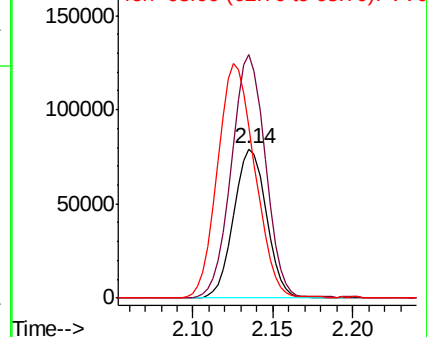
63 115.5 76.9 142.7

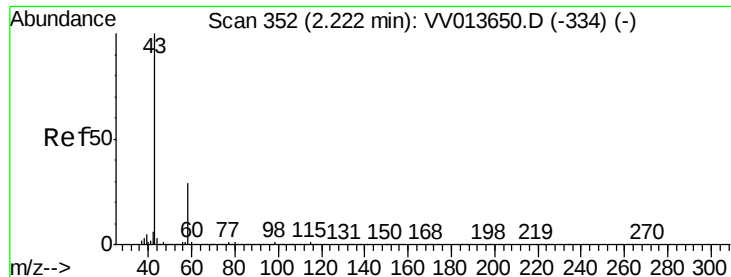


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 57.889 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

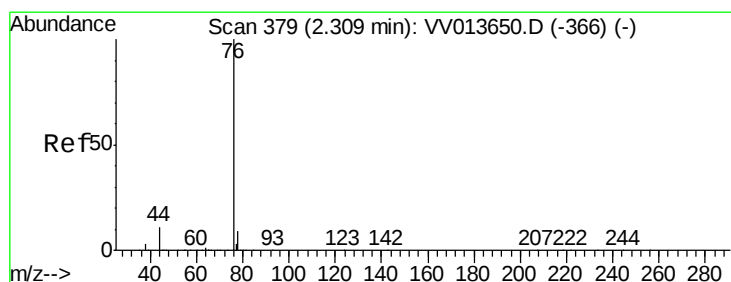
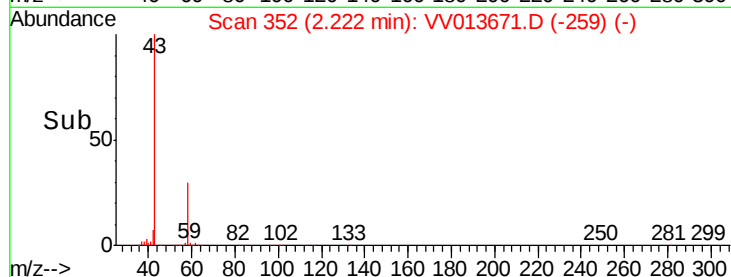
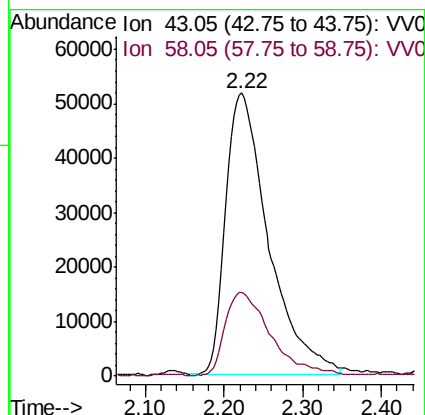
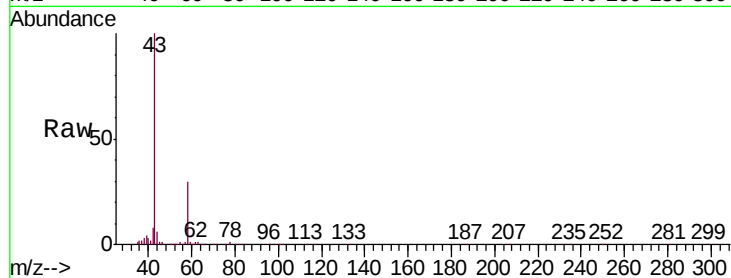
VSTD00539

Tgt Ion: 43 Resp: 196468

Ion Ratio Lower Upper

43 100

58 31.4 0.0 17.0#



#14

Carbon disulfide

Concen: 4.697 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013671.D

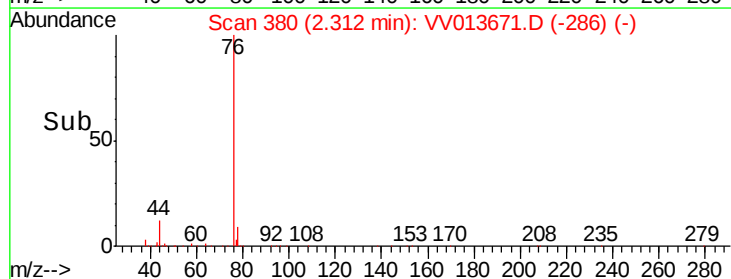
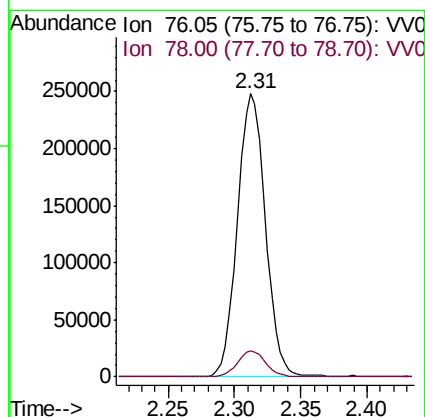
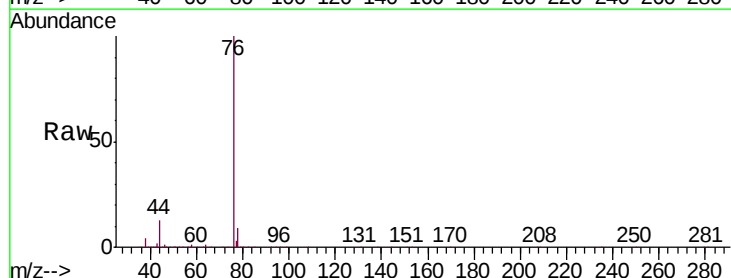
Acq: 18 Nov 2019 21:00

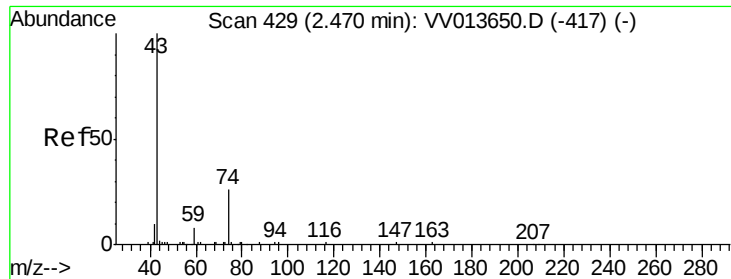
Tgt Ion: 76 Resp: 364538

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

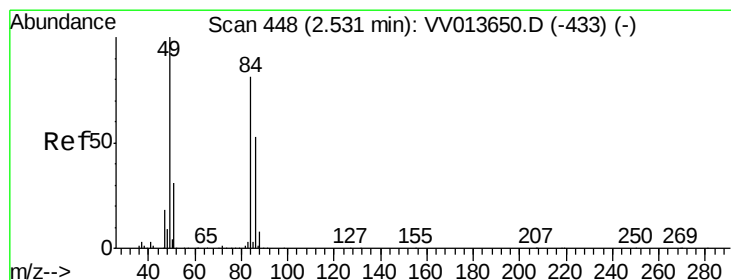
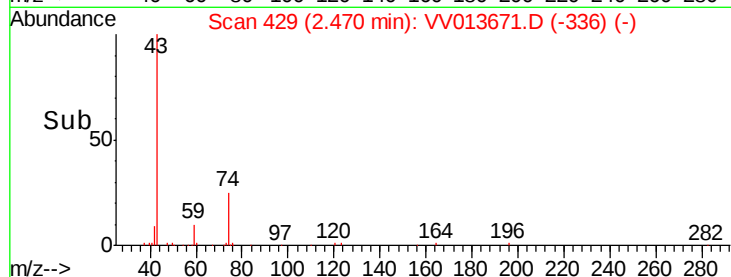
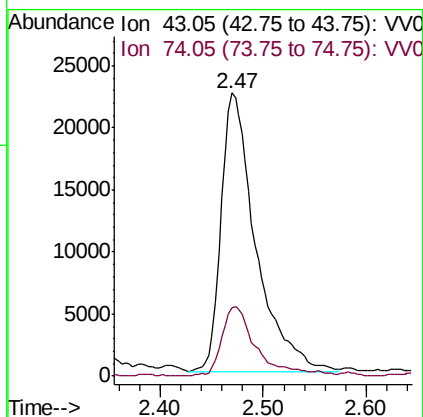
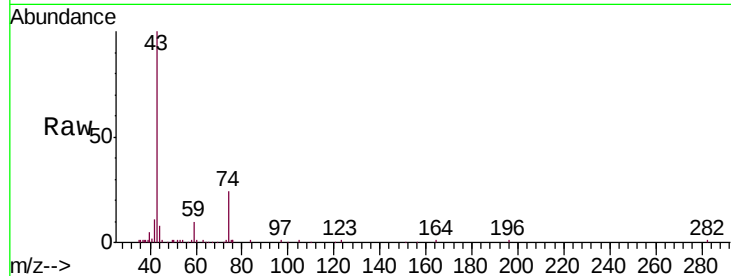




#15
Methyl Acetate
Concen: 5.468 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

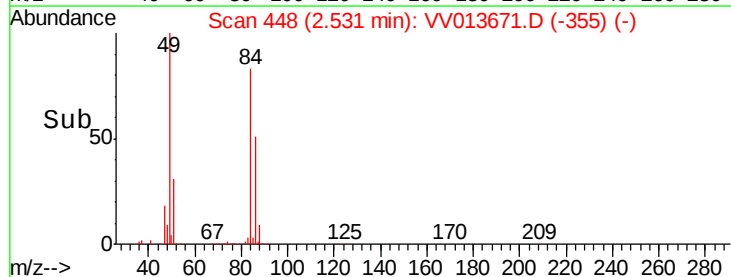
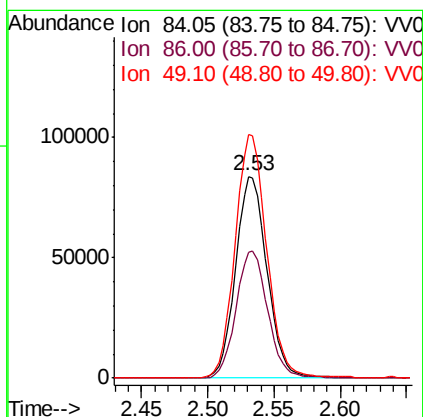
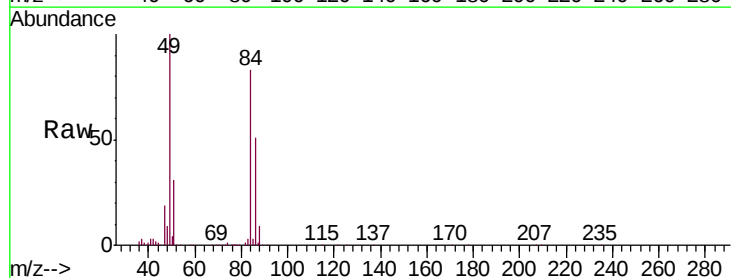
Instrument :
MSVOA_V
ClientSampled :
VSTD00539

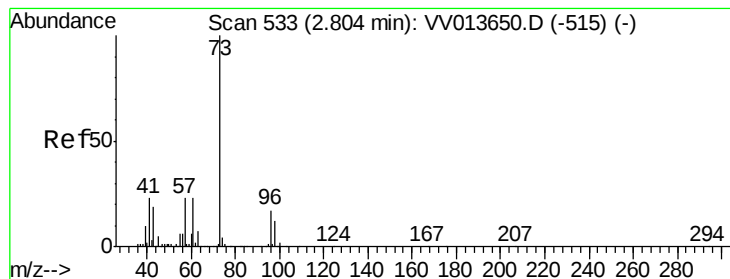
Tgt Ion: 43 Resp: 52562
Ion Ratio Lower Upper
43 100
74 24.5 18.9 28.3



#16
Methylene chloride
Concen: 4.425 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Tgt Ion: 84 Resp: 138350
Ion Ratio Lower Upper
84 100
86 62.0 44.1 81.9
49 120.6 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.035 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

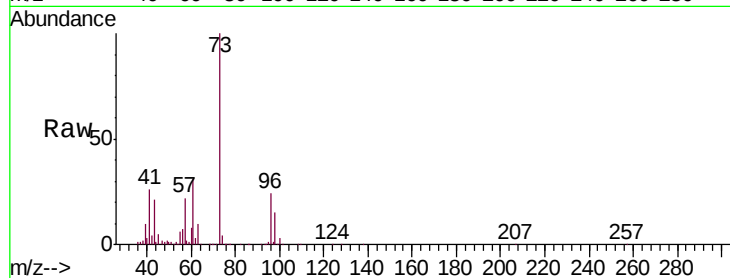
Tgt Ion: 73 Resp: 289280

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

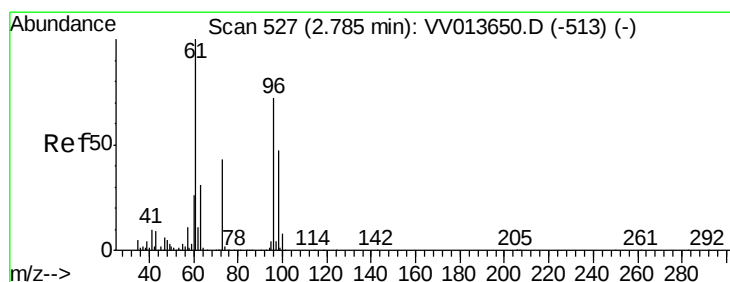
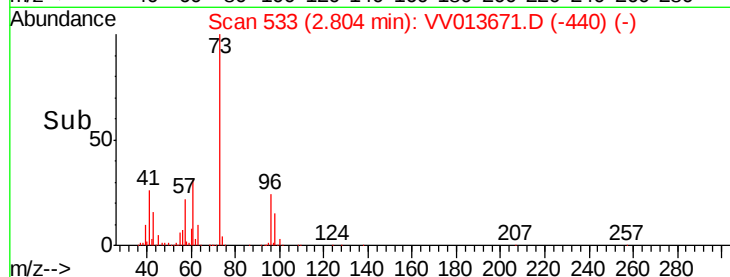
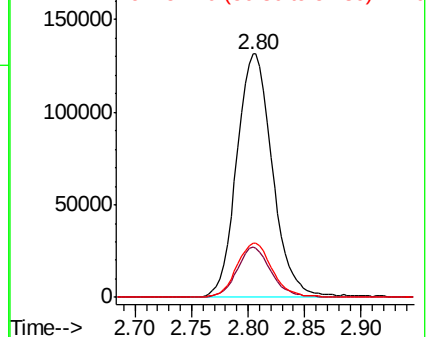
57 22.1 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.726 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

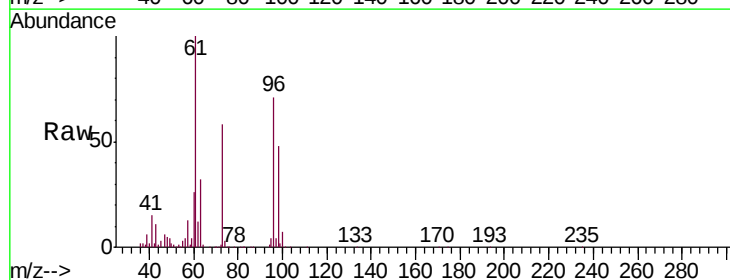
Tgt Ion: 96 Resp: 131121

Ion Ratio Lower Upper

96 100

61 140.3 101.0 187.6

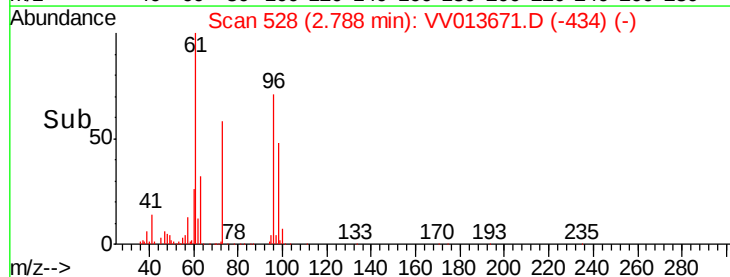
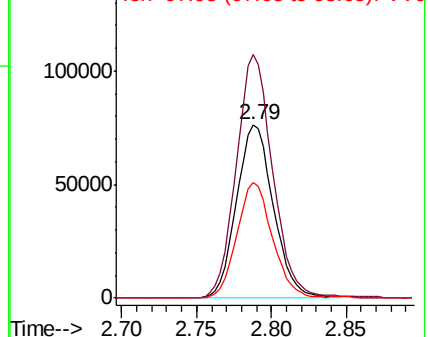
98 66.8 47.0 87.2

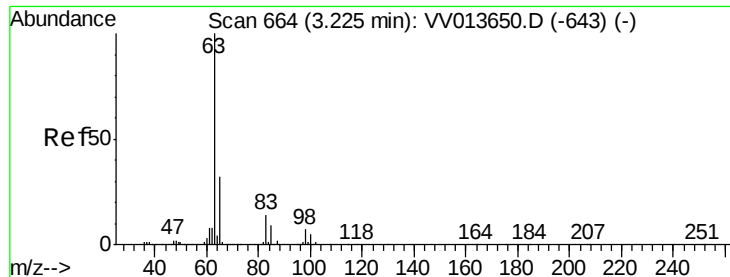


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

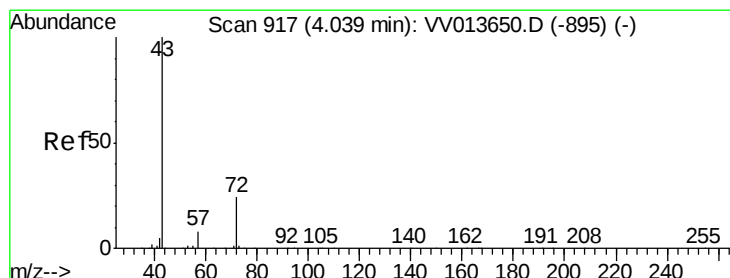
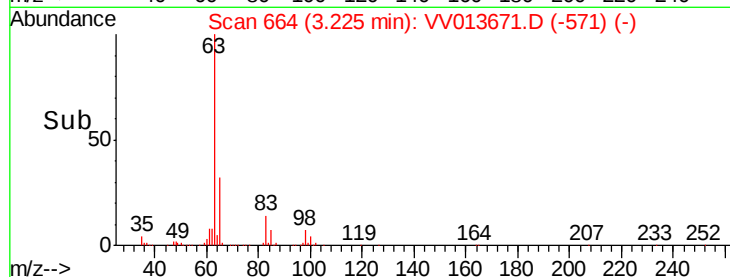
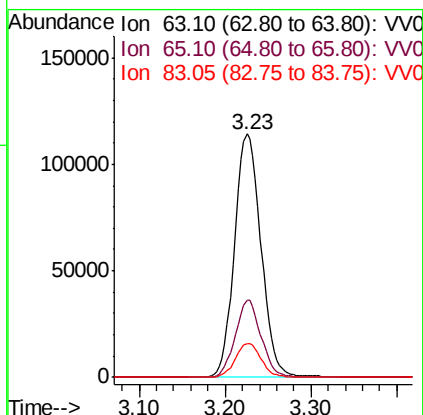
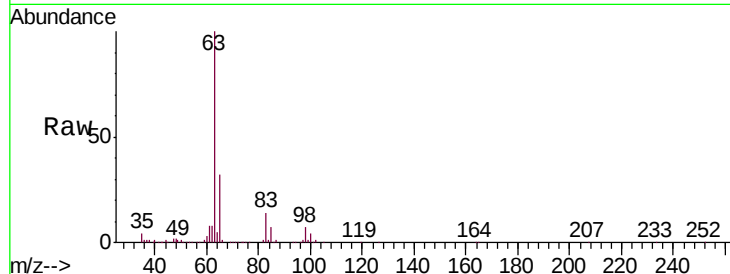




#19
 1,1-Dichloroethane
 Concen: 4.935 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

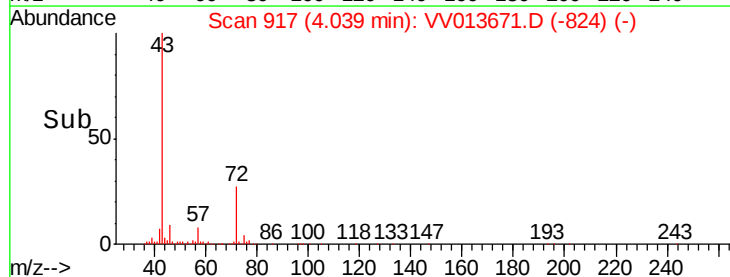
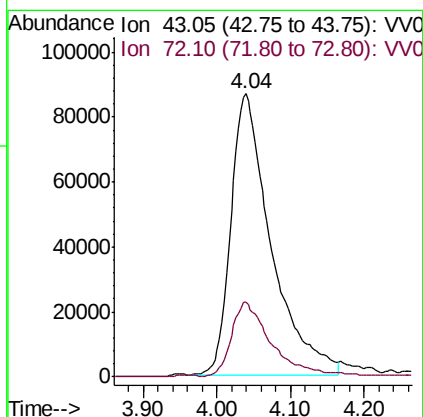
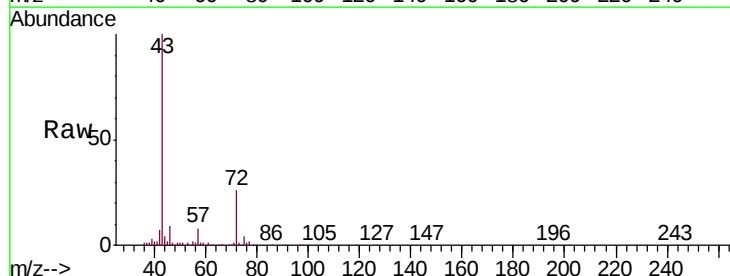
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

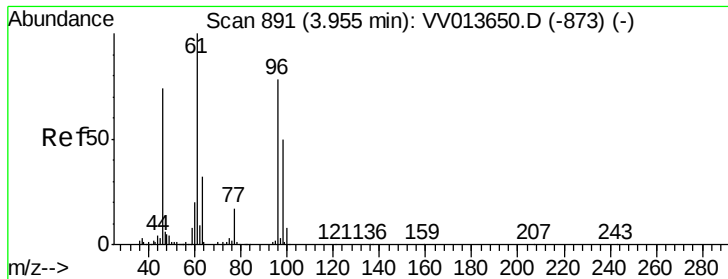
Tgt Ion: 63 Resp: 244516
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.7
 83 13.7 9.7 17.9



#21
 2-Butanone
 Concen: 57.611 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion: 43 Resp: 327885
 Ion Ratio Lower Upper
 43 100
 72 25.2 11.6 34.8



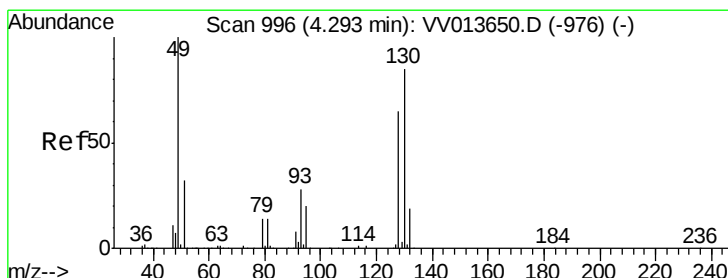
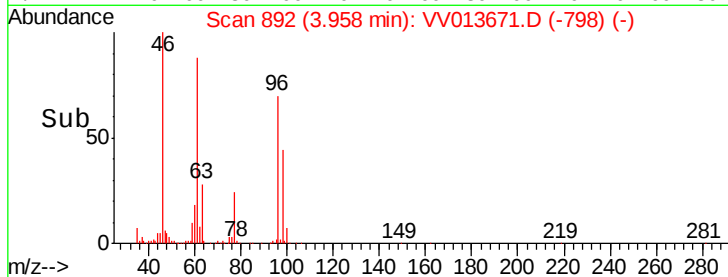
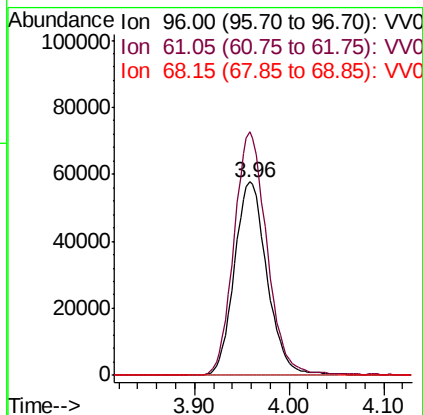
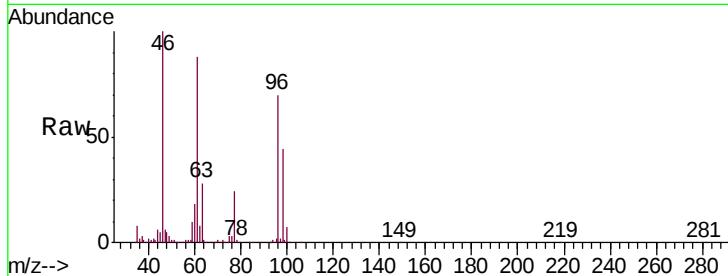


#22

cis-1,2-Dichloroethene
 Concen: 4.817 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

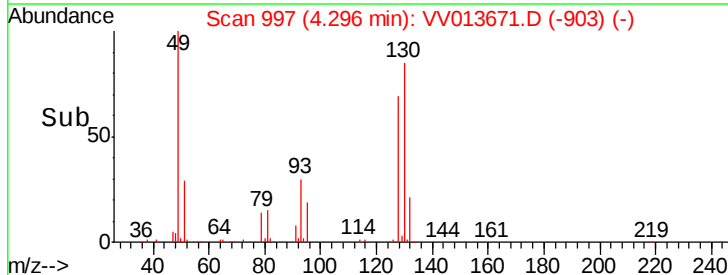
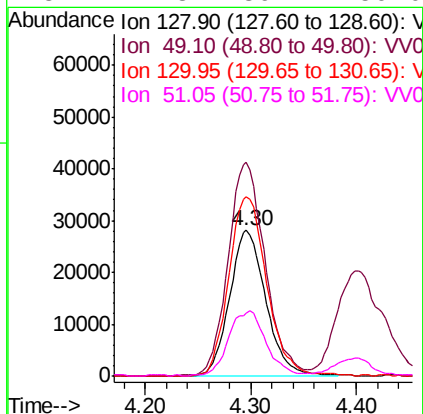
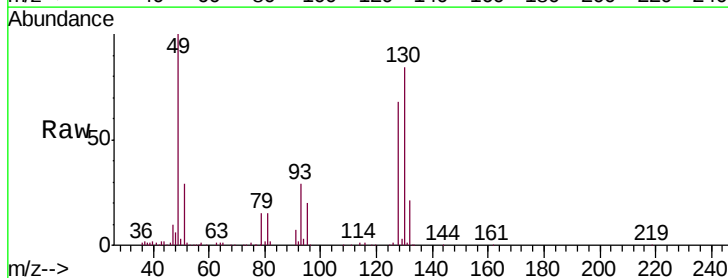
Tgt Ion: 96 Resp: 138716
 Ion Ratio Lower Upper
 96 100
 61 125.9 87.7 162.9
 68 0.0 0.1 0.3#

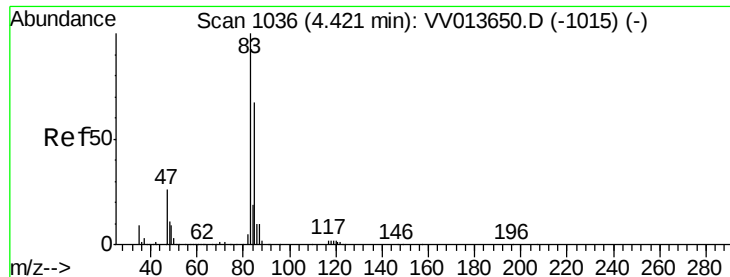


#23

Bromochloromethane
 Concen: 5.055 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion: 128 Resp: 67097
 Ion Ratio Lower Upper
 128 100
 49 146.6 107.2 199.0
 130 123.4 87.9 163.3
 51 42.8 39.4 59.0





#25

Chloroform

Concen: 4.111 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

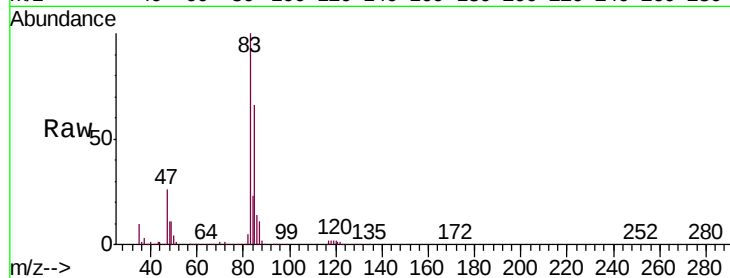
VSTD00539

Tgt Ion: 83 Resp: 275808

Ion Ratio Lower Upper

83 100

85 66.2 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV013671.D (-943) (-)

Ion 85.00 (84.70 to 85.70): VV013671.D (-943) (-)

4.42

120000

100000

80000

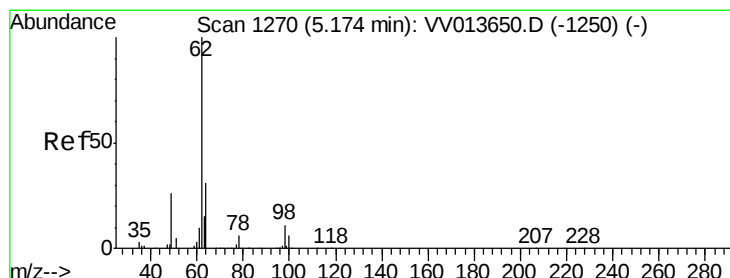
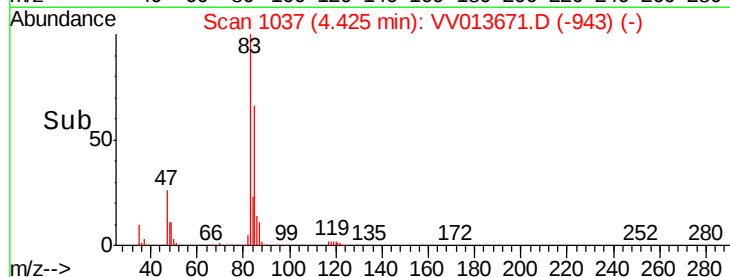
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.208 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013671.D

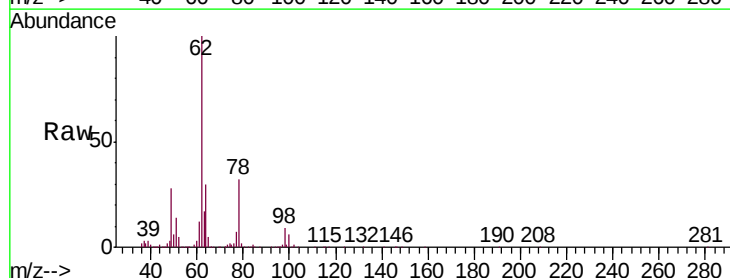
Acq: 18 Nov 2019 21:00

Tgt Ion: 62 Resp: 155252

Ion Ratio Lower Upper

62 100

98 9.1 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013671.D (-1177) (-)

Ion 98.05 (97.75 to 98.75): VV013671.D (-1177) (-)

5.18

80000

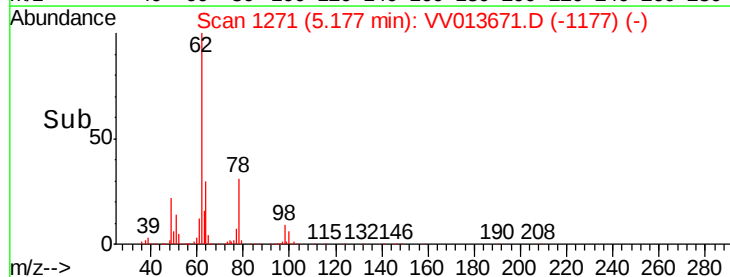
60000

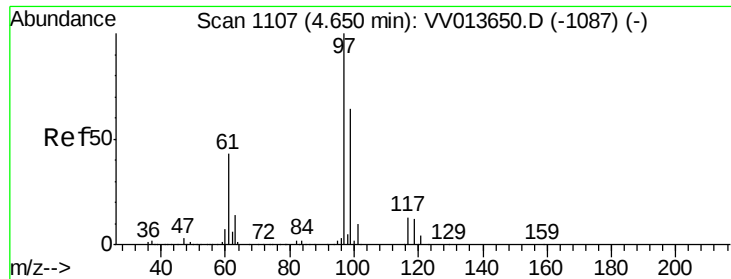
40000

20000

0

Time-->

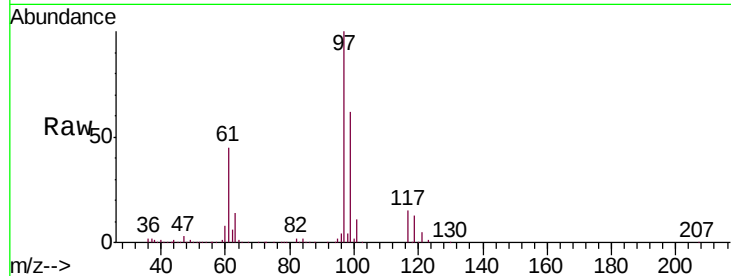




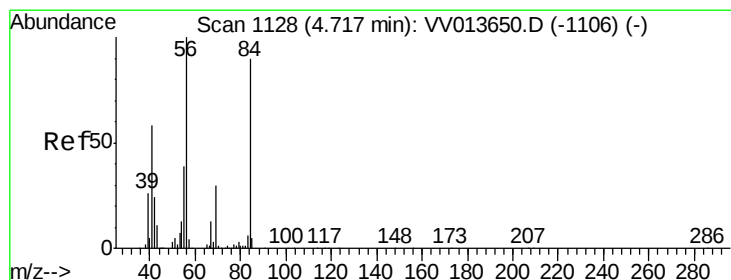
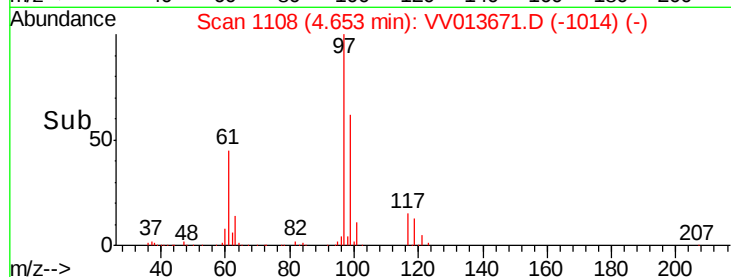
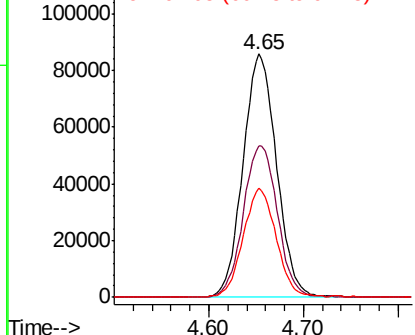
#29
 1,1,1-Trichloroethane
 Concen: 4.830 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion: 97 Resp: 211879
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.6 79.0
 61 44.2 34.7 52.1

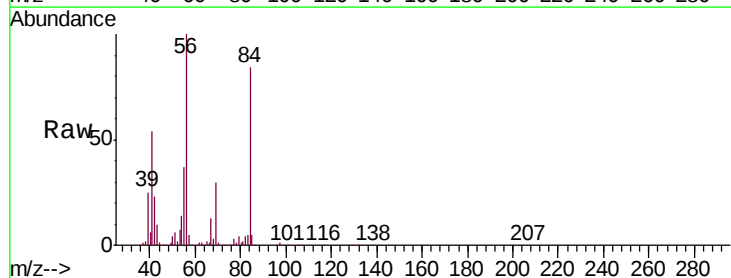


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

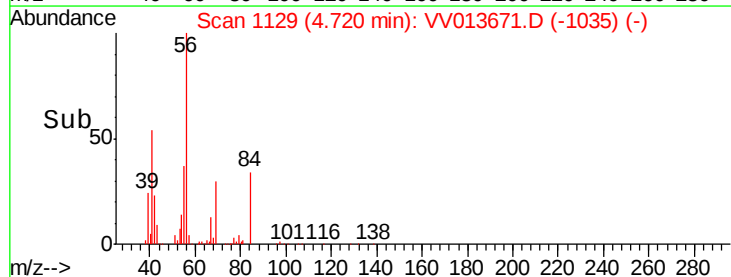
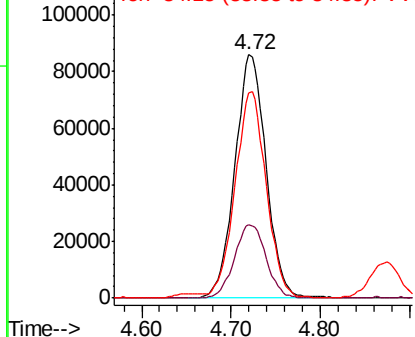


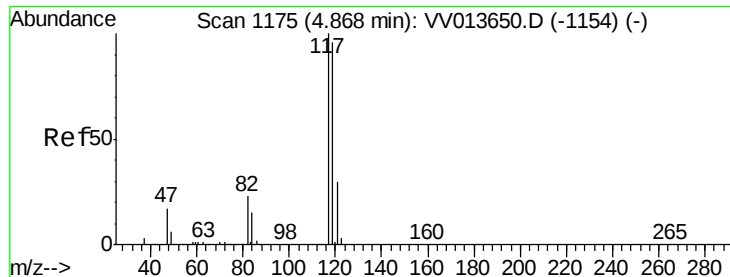
#30
 Cyclohexane
 Concen: 4.747 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion: 56 Resp: 207153
 Ion Ratio Lower Upper
 56 100
 69 30.7 23.8 35.8
 84 85.2 69.1 103.7



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: 4.859 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

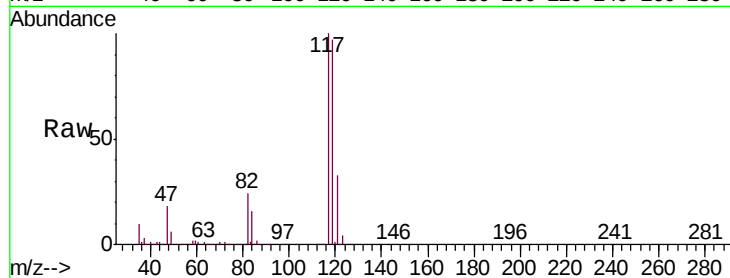
VSTD00539

Tgt Ion:117 Resp: 192576

Ion Ratio Lower Upper

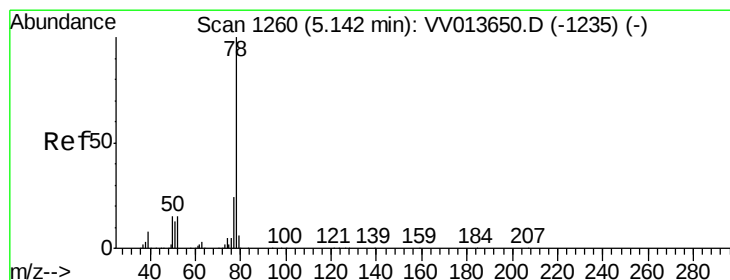
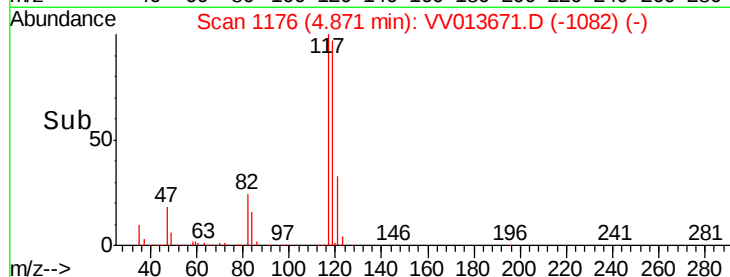
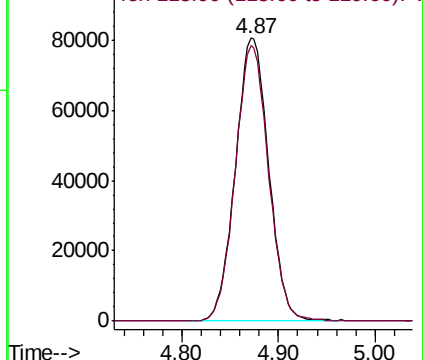
117 100

119 97.2 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.903 ug/L

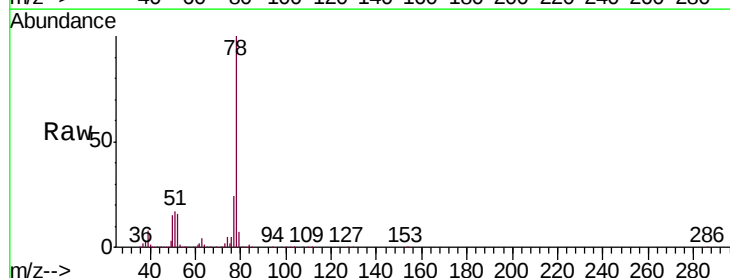
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

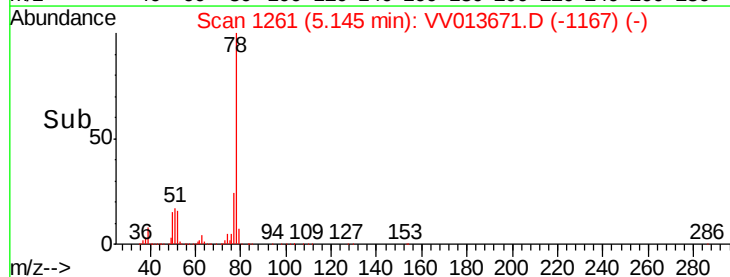
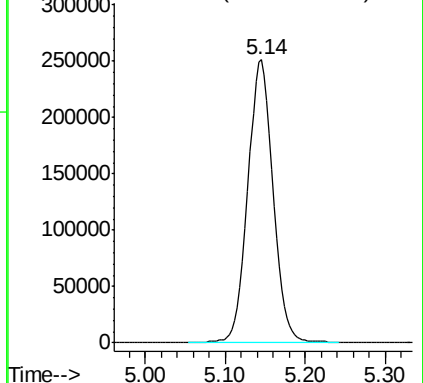
Lab File: VV013671.D

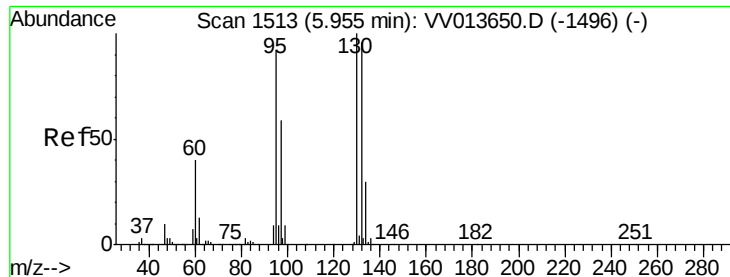
Acq: 18 Nov 2019 21:00

Tgt Ion: 78 Resp: 538609



Abundance Ion 78.10 (77.80 to 78.80): VV0

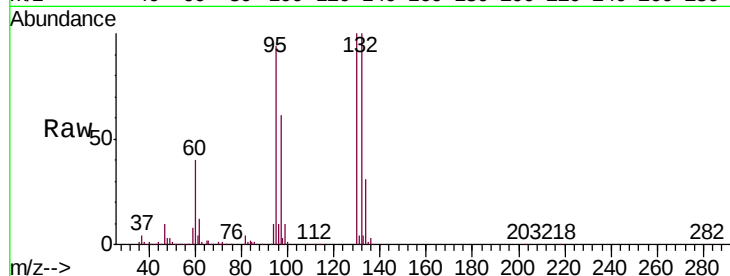




#34
 Trichloroethene
 Concen: 4.810 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion	Resp	Lower	Upper
95	141423		
97	65.3	44.8	83.2
132	106.4	72.9	135.3
130	106.2	75.1	139.5

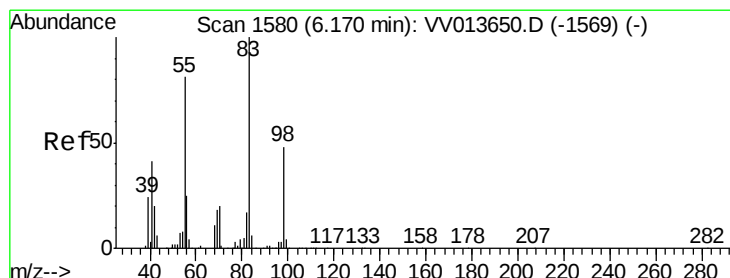
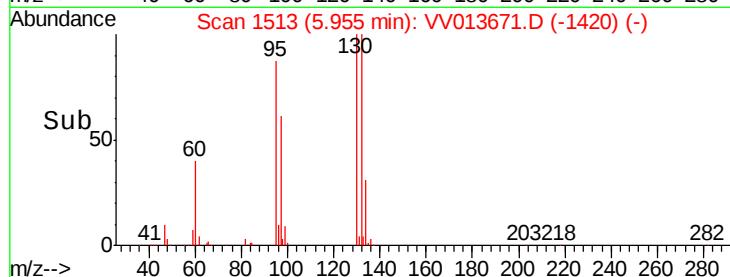
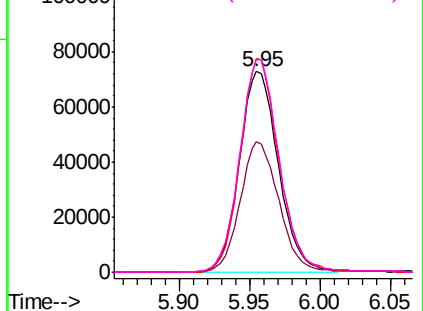


Abundance Ion 95.00 (94.70 to 95.70): VV013671.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013671.D (-1420) (-)

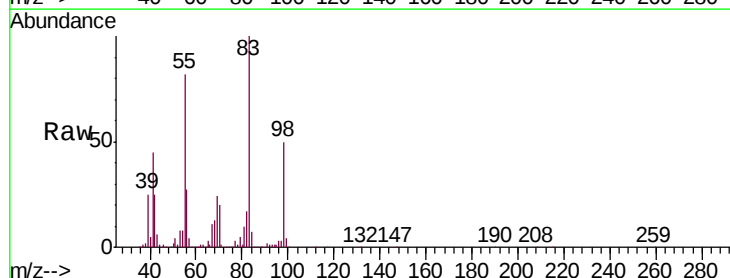
Ion 131.95 (131.65 to 132.65): VV013671.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013671.D (-1420) (-)



#35
 Methylcyclohexane
 Concen: 4.574 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

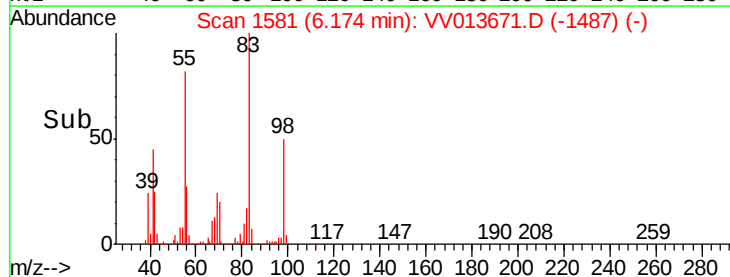
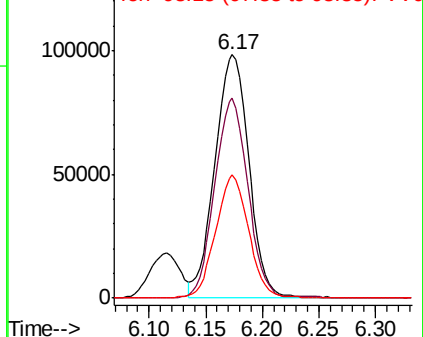
Tgt Ion	Resp	Lower	Upper
83	205125		
55	79.6	64.1	96.1
98	49.3	38.2	57.2

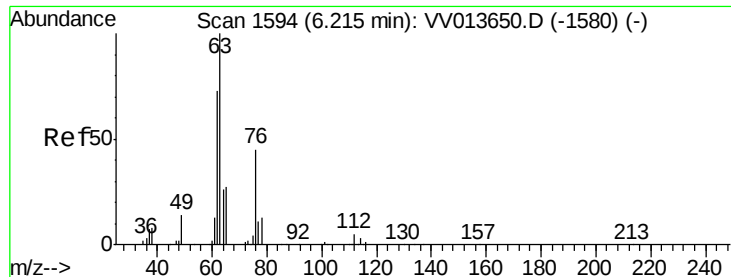


Abundance Ion 83.15 (82.85 to 83.85): VV013671.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV013671.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV013671.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 5.062 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

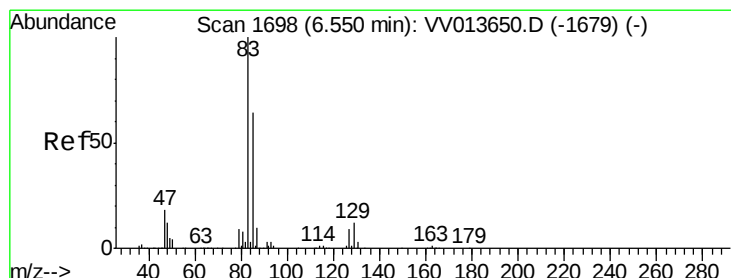
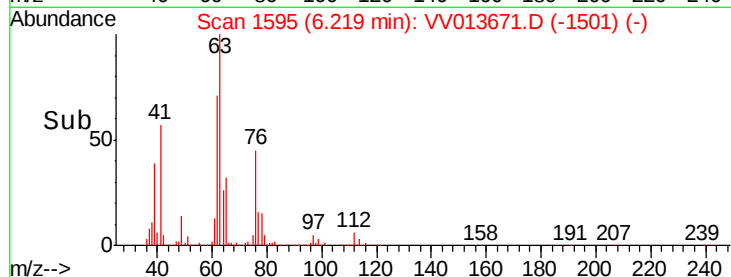
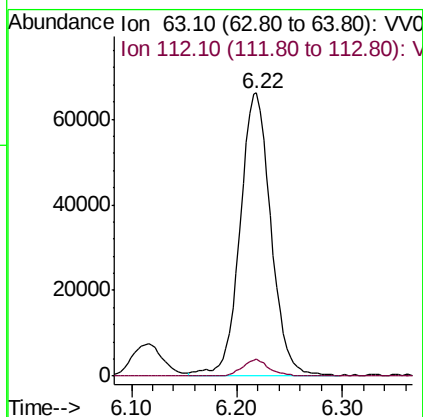
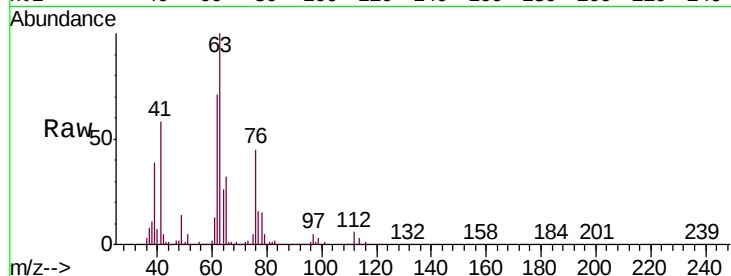
VSTD00539

Tgt Ion: 63 Resp: 133144

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



#38

Bromodichloromethane

Concen: 4.681 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

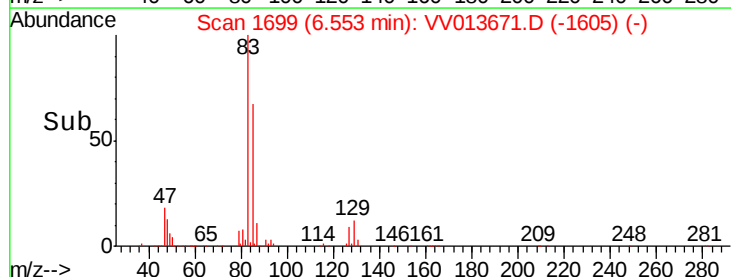
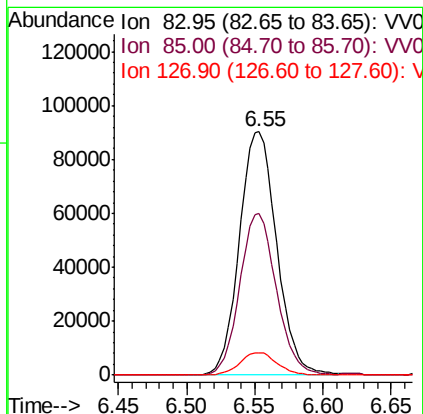
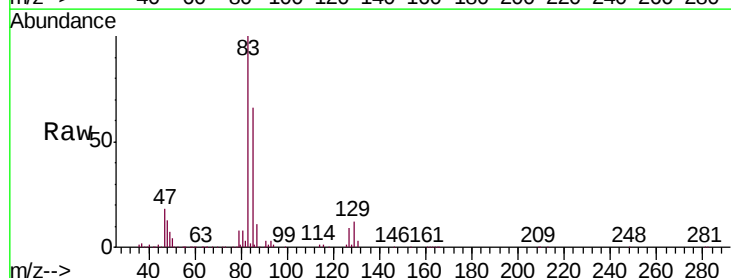
Tgt Ion: 83 Resp: 171710

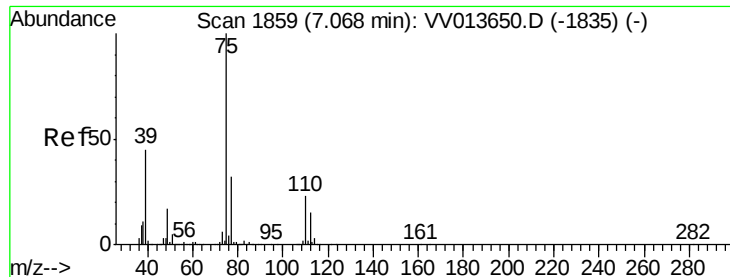
Ion Ratio Lower Upper

83 100

85 66.2 44.9 83.5

127 9.2 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.865 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

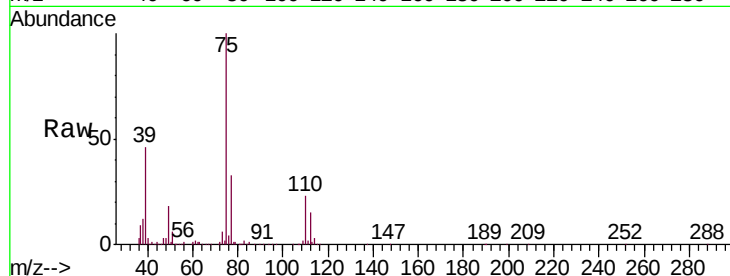
VSTD00539

Tgt Ion: 75 Resp: 183924

Ion Ratio Lower Upper

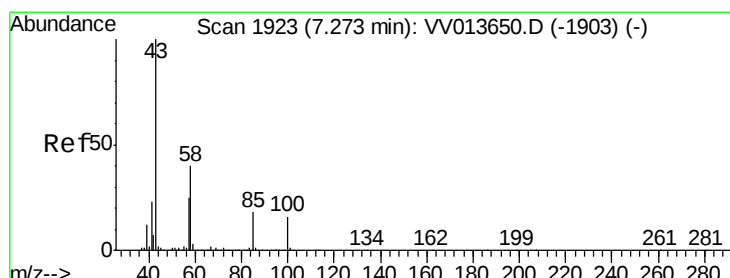
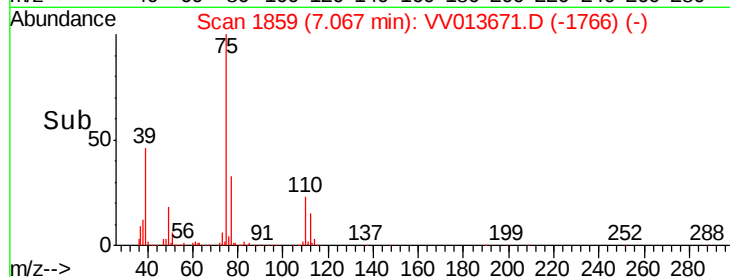
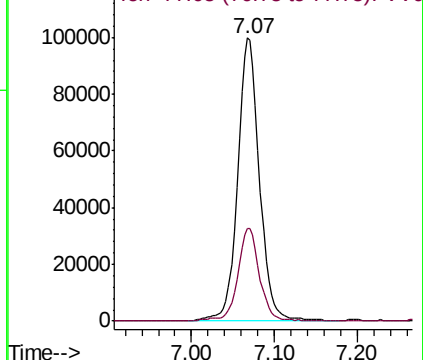
75 100

77 32.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 54.942 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

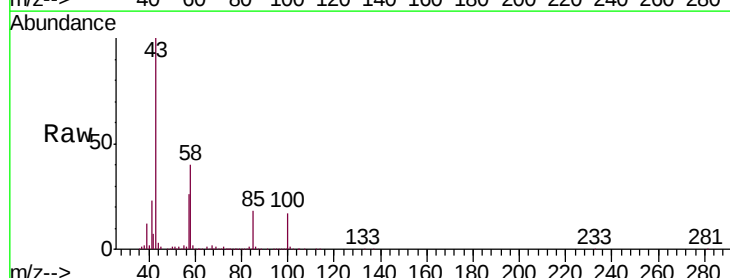
Tgt Ion: 43 Resp: 840792

Ion Ratio Lower Upper

43 100

58 38.5 31.5 47.3

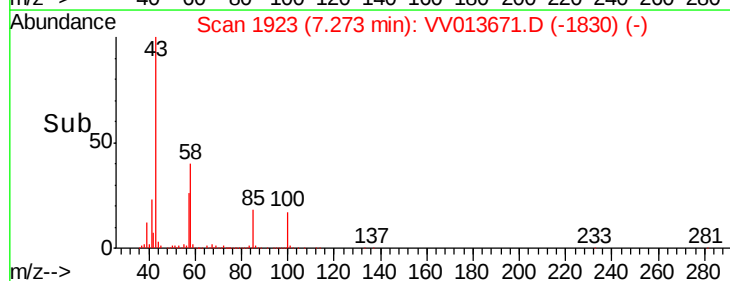
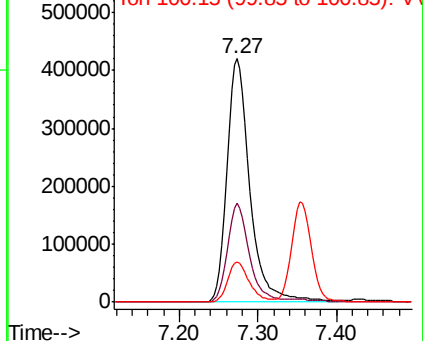
100 15.7 12.2 18.4

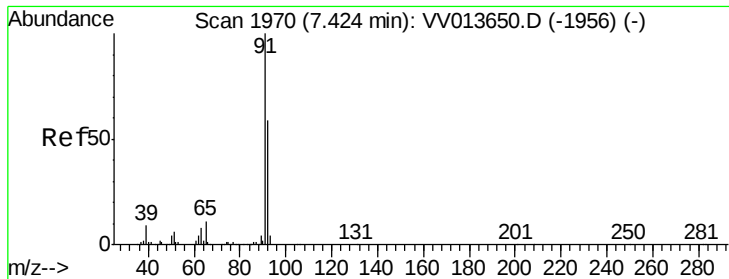


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.941 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

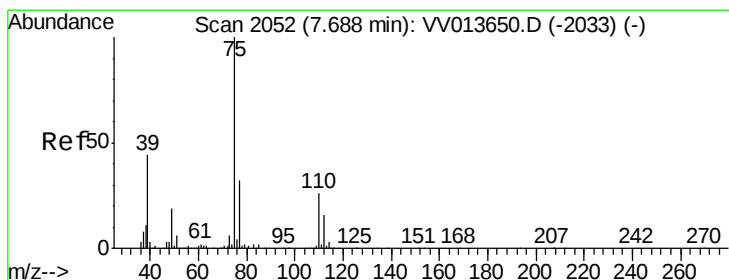
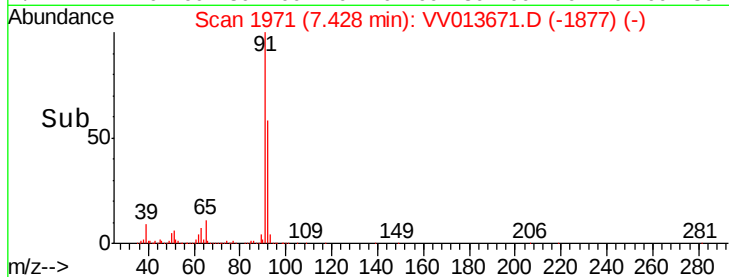
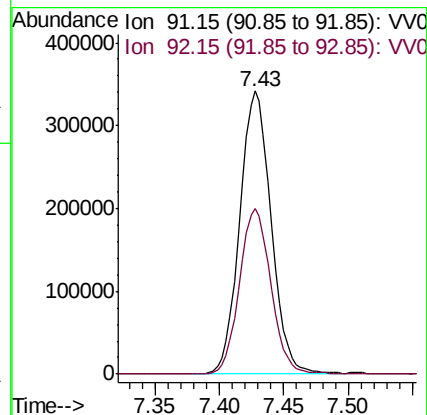
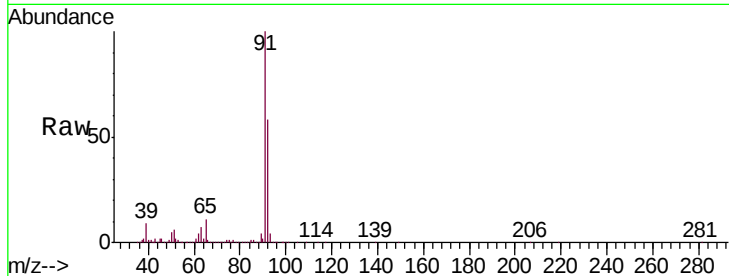
VSTD00539

Tgt Ion: 91 Resp: 579946

Ion Ratio Lower Upper

91 100

92 58.4 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.935 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013671.D

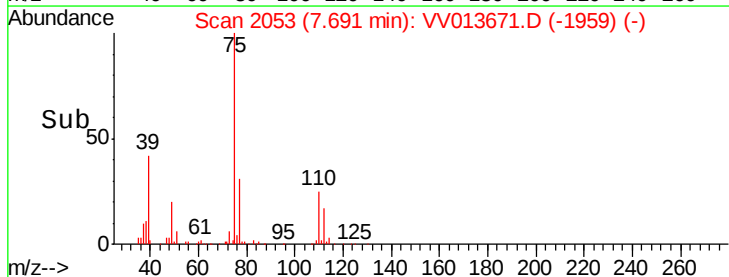
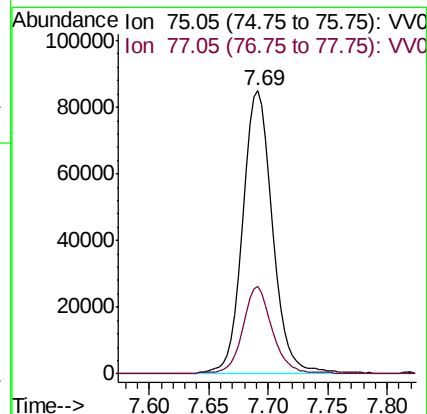
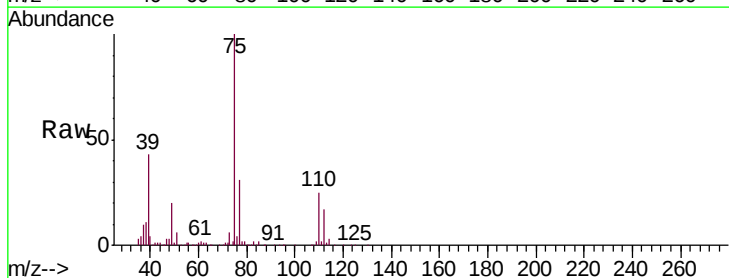
Acq: 18 Nov 2019 21:00

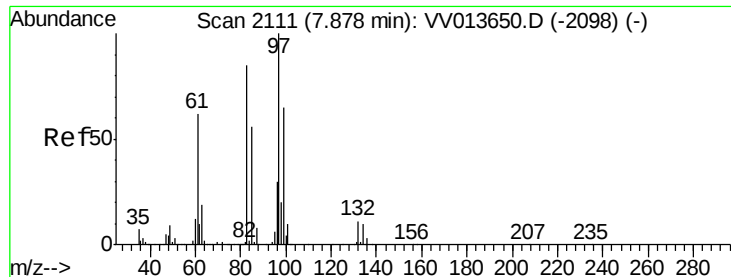
Tgt Ion: 75 Resp: 147057

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.2

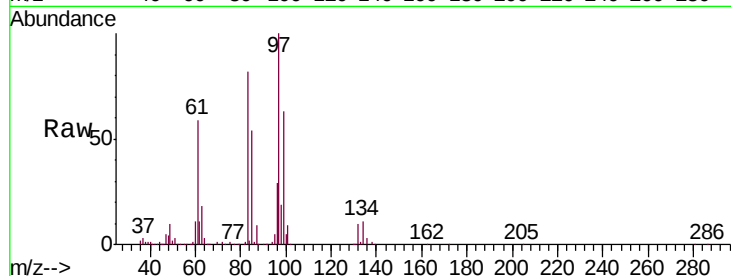




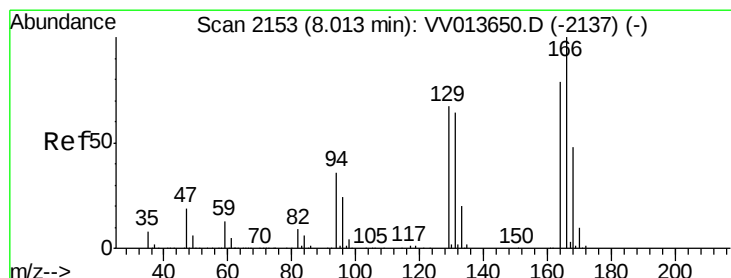
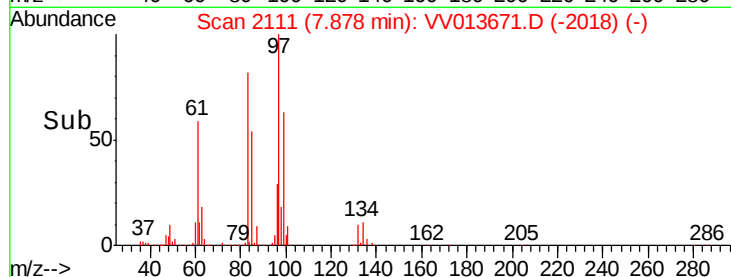
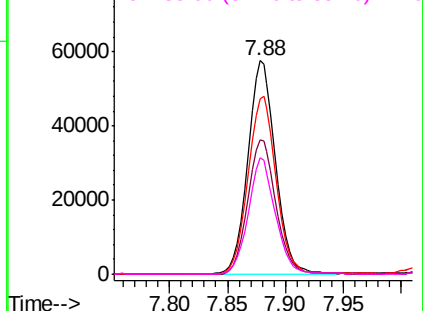
#45
 1,1,2-Trichloroethane
 Concen: 5.077 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	97	Resp:	96309
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.8	81.3
83	81.9	58.0	107.8
85	54.3	36.0	67.0

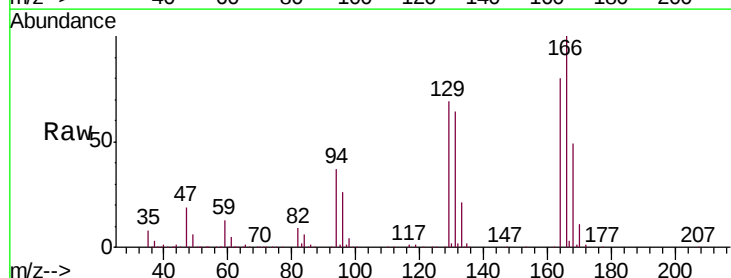


Abundance Ion 96.95 (96.65 to 97.65): VV013671.D (-2018) (-)
 Ion 99.05 (98.75 to 99.75): VV013671.D (-2018) (-)
 Ion 82.95 (82.65 to 83.65): VV013671.D (-2018) (-)
 Ion 85.00 (84.70 to 85.70): VV013671.D (-2018) (-)

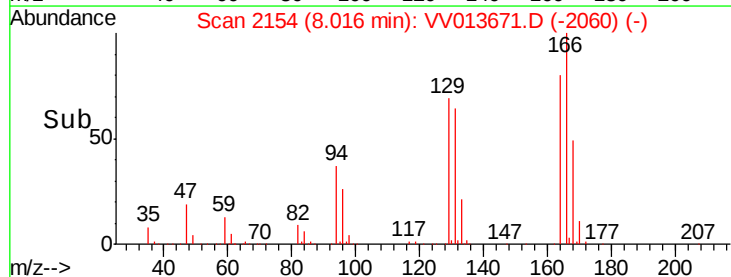
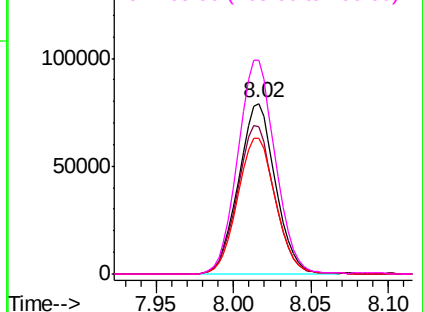


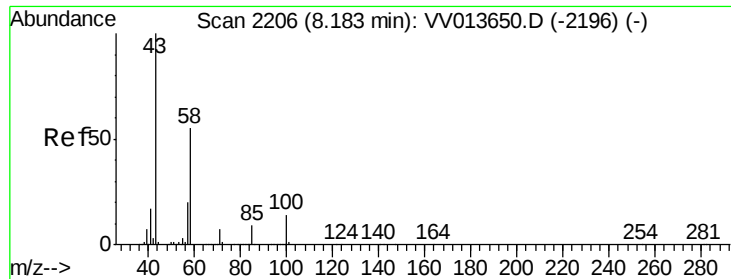
#47
 Tetrachloroethene
 Concen: 4.821 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion:	164	Resp:	131353
Ion	Ratio	Lower	Upper
164	100		
129	86.1	59.1	109.9
131	79.8	58.9	109.5
166	125.1	87.8	163.2



Abundance Ion 163.90 (163.60 to 164.60): VV013671.D (-2060) (-)
 Ion 128.95 (128.65 to 129.65): VV013671.D (-2060) (-)
 Ion 130.95 (130.65 to 131.65): VV013671.D (-2060) (-)
 Ion 165.90 (165.60 to 166.60): VV013671.D (-2060) (-)

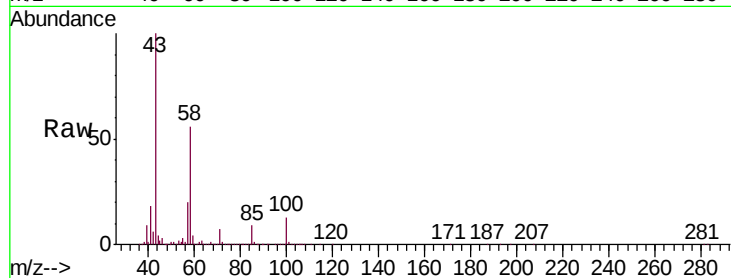




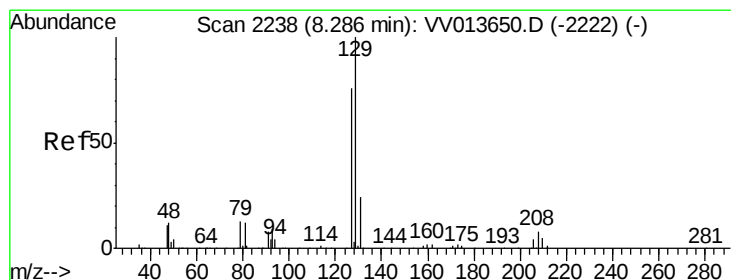
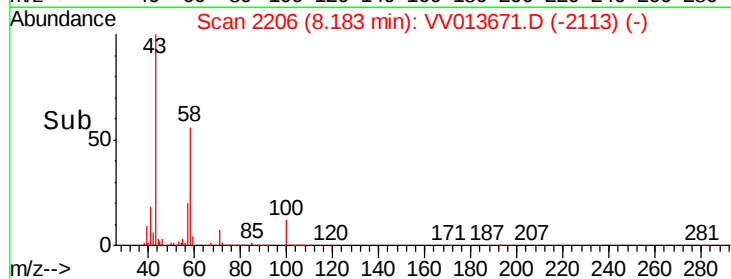
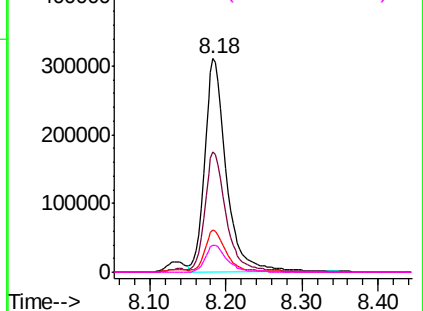
#48
2-Hexanone
Concen: 56.828 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:	43	Resp:	616802
Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.0	64.6
57	18.9	15.4	23.2
100	12.6	10.1	15.1

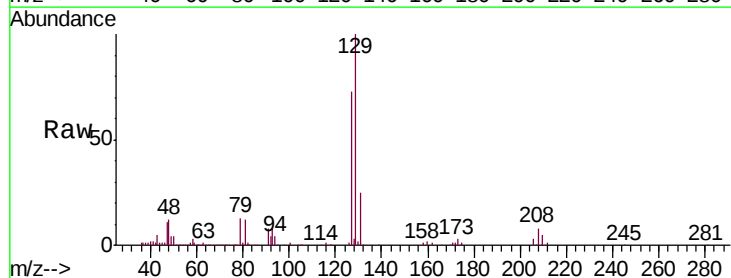


Abundance Ion 43.05 (42.75 to 43.75): VV013671.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV013671.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV013671.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV013671.D (-2113) (-)

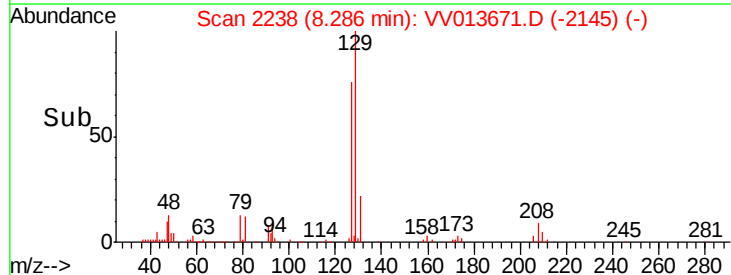
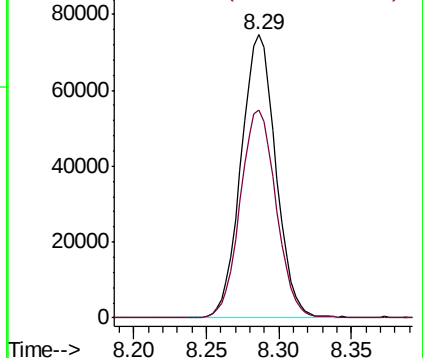


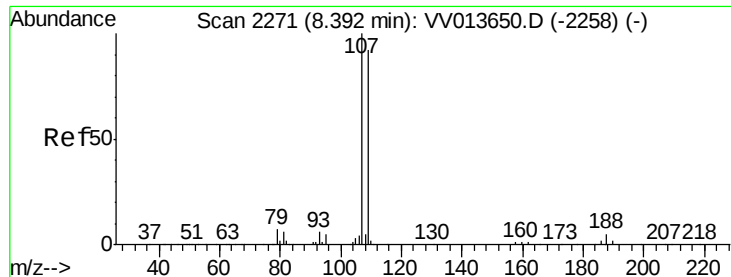
#49
Dibromochloromethane
Concen: 5.163 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Tgt Ion:	129	Resp:	124332
Ion	Ratio	Lower	Upper
129	100		
127	73.4	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013671.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013671.D (-2145) (-)

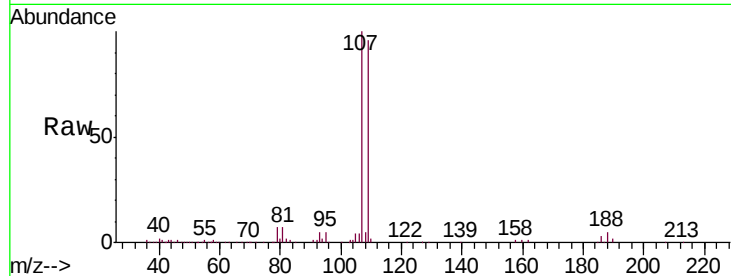




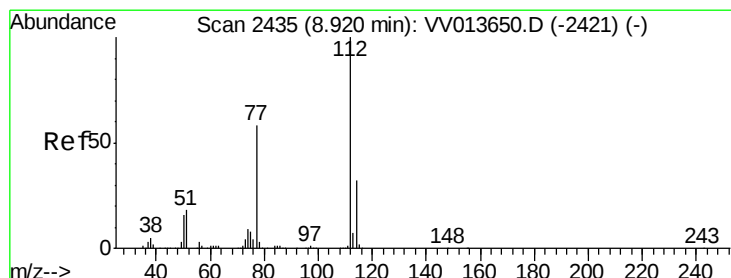
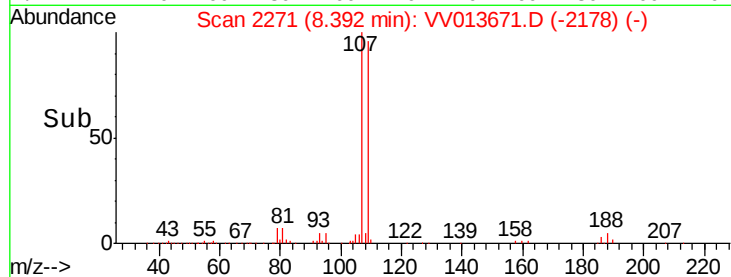
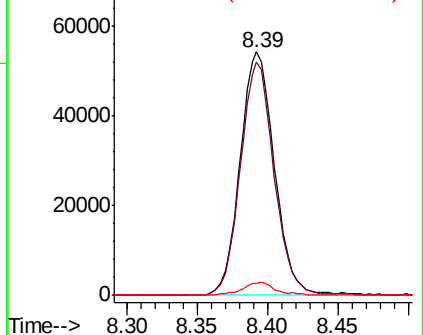
#50
1,2-Dibromoethane
Concen: 5.050 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:107 Resp: 92025
Ion Ratio Lower Upper
107 100
109 95.9 66.5 123.5
188 5.1 3.6 5.4

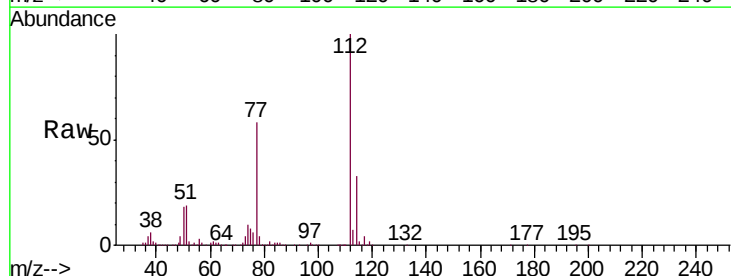


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

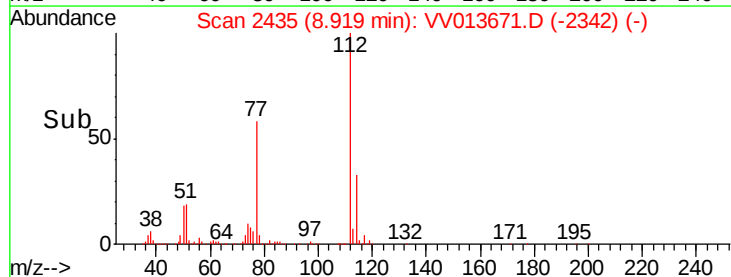
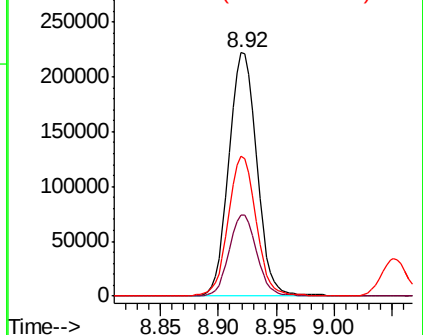


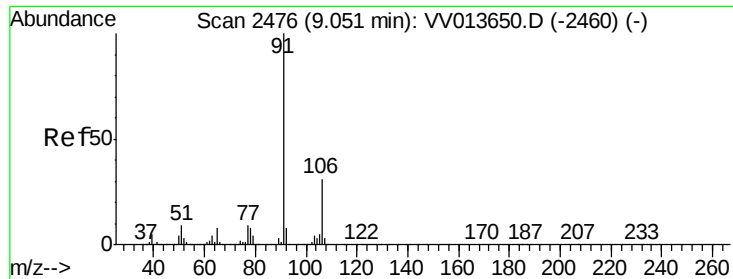
#51
Chlorobenzene
Concen: 4.761 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Tgt Ion:112 Resp: 370499
Ion Ratio Lower Upper
112 100
114 33.3 22.8 42.4
77 57.7 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: 4.846 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

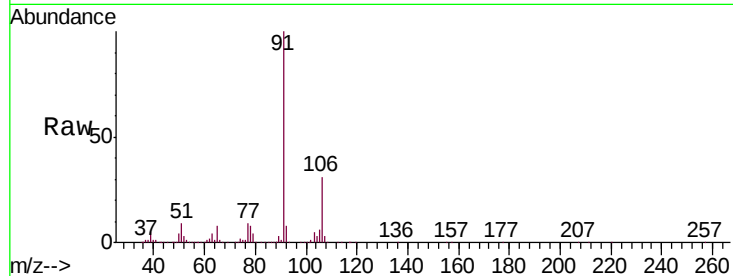
VSTD00539

Tgt Ion: 91 Resp: 606259

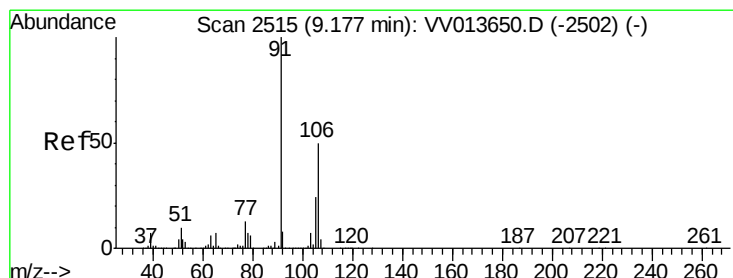
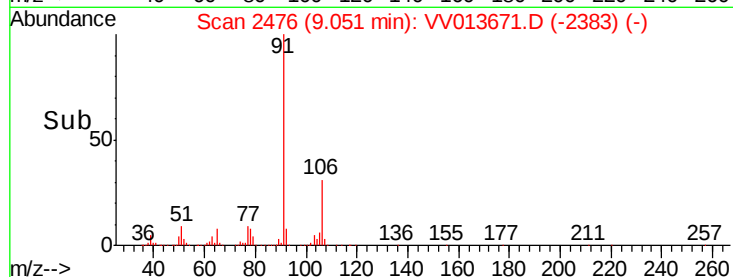
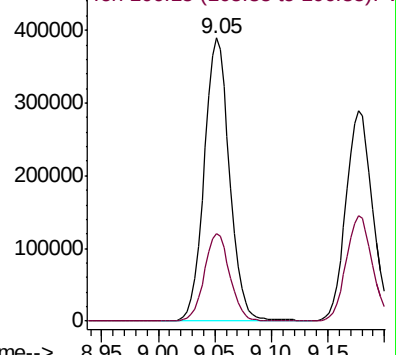
Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013671.D (-2383) (-)



#53

m,p-xylene

Concen: 4.951 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013671.D

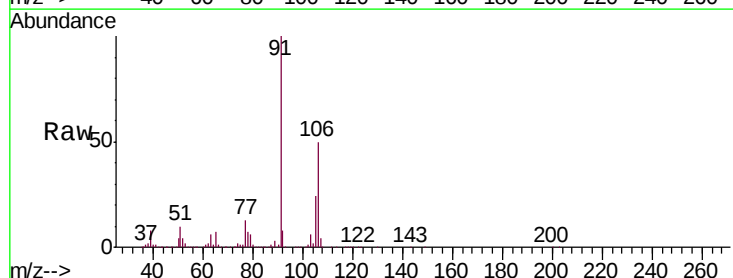
Acq: 18 Nov 2019 21:00

Tgt Ion: 106 Resp: 233616

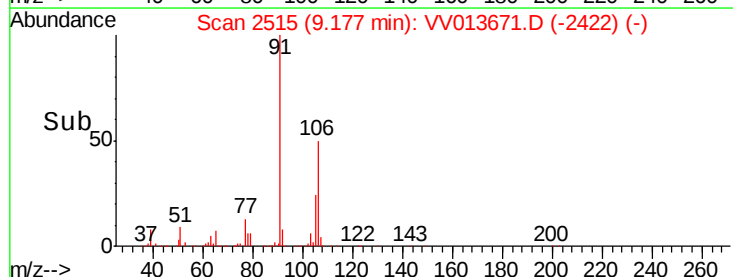
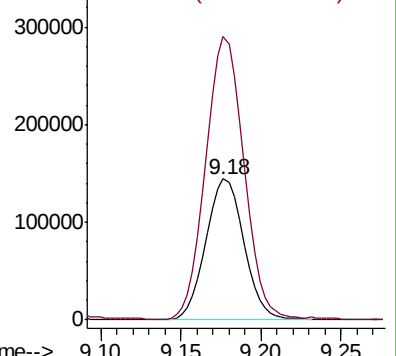
Ion Ratio Lower Upper

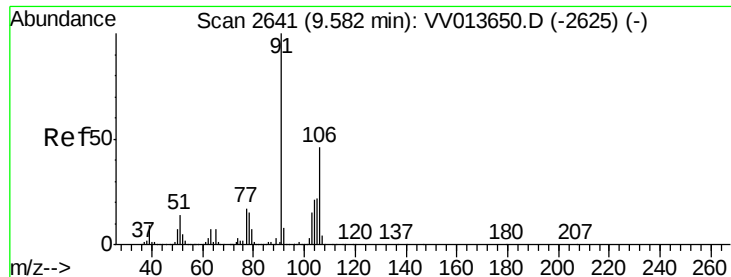
106 100

91 201.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013671.D (-2422) (-)

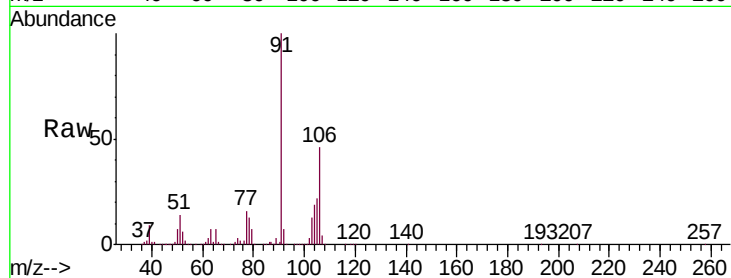




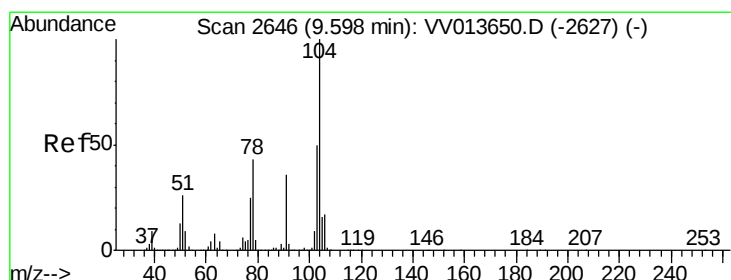
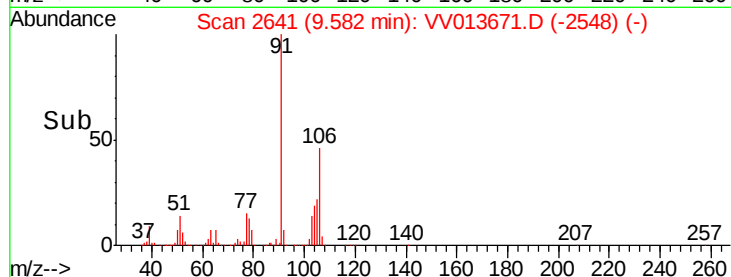
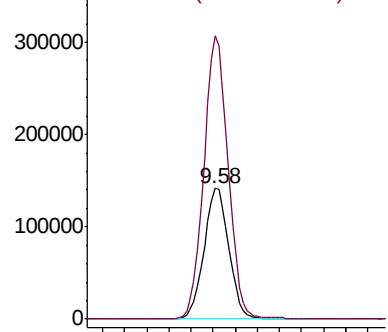
#54
o-xylene
Concen: 4.891 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:106 Resp: 221972
Ion Ratio Lower Upper
106 100
91 216.5 146.9 272.7

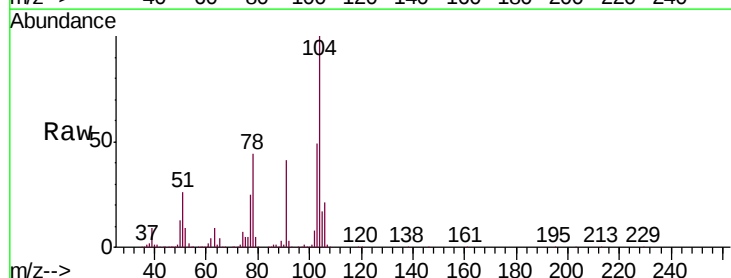


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

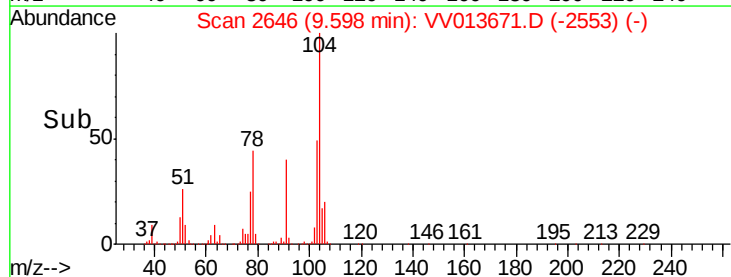
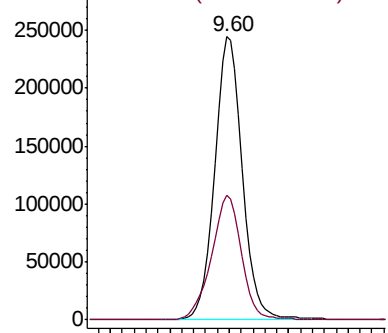


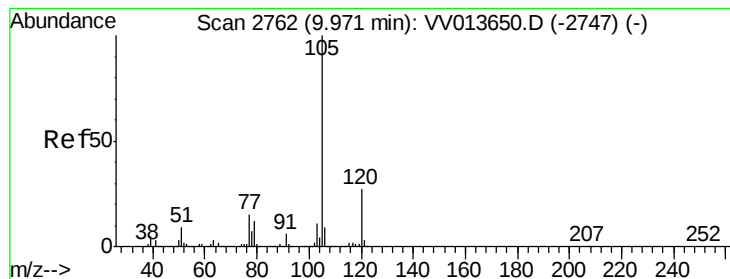
#55
Styrene
Concen: 5.121 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV013671.D
Acq: 18 Nov 2019 21:00

Tgt Ion:104 Resp: 393054
Ion Ratio Lower Upper
104 100
78 43.9 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: 4.956 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

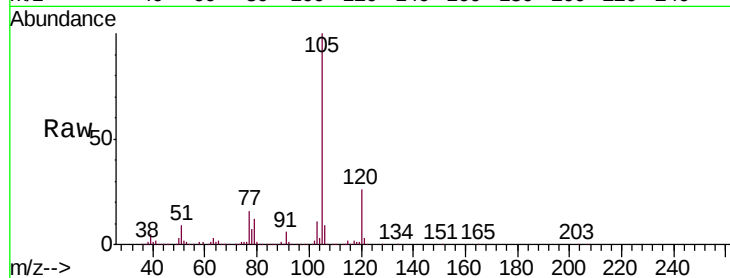
Tgt Ion: 105 Resp: 598032

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

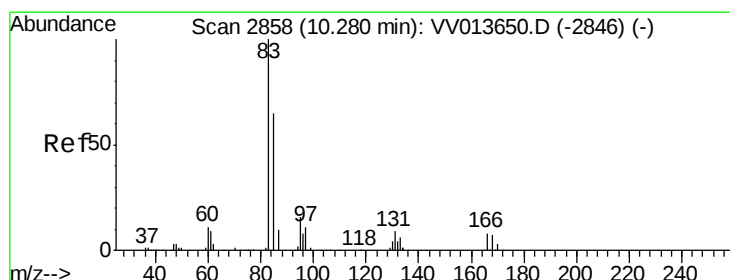
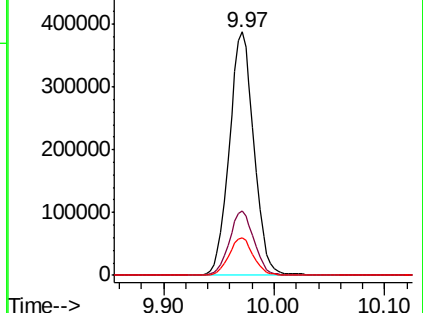
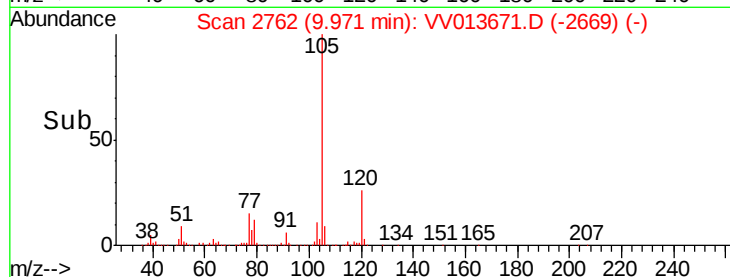
77 15.2 11.9 17.9



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.288 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

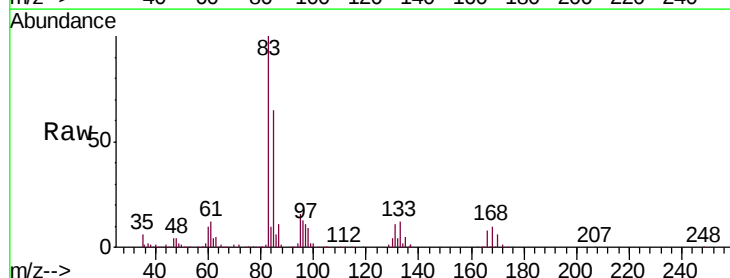
Tgt Ion: 83 Resp: 111269

Ion Ratio Lower Upper

83 100

85 65.4 43.0 80.0

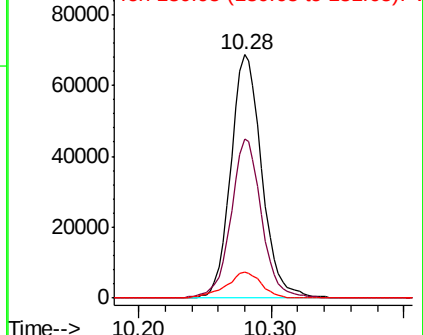
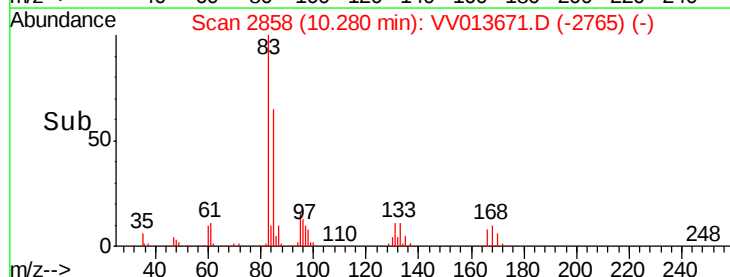
131 10.8 8.3 12.5

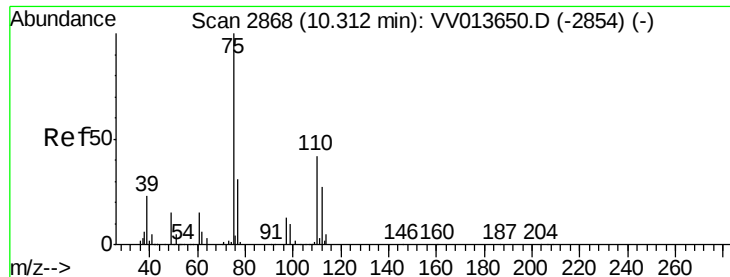


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.075 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

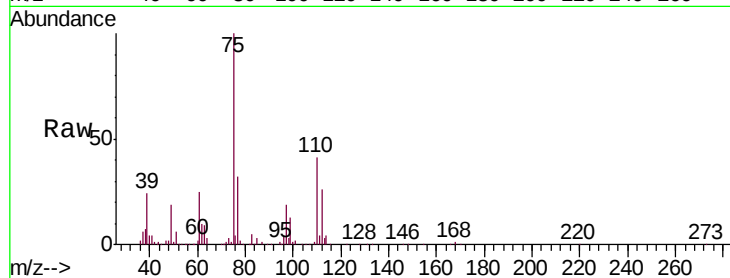
VSTD00539

Tgt Ion: 75 Resp: 82508

Ion Ratio Lower Upper

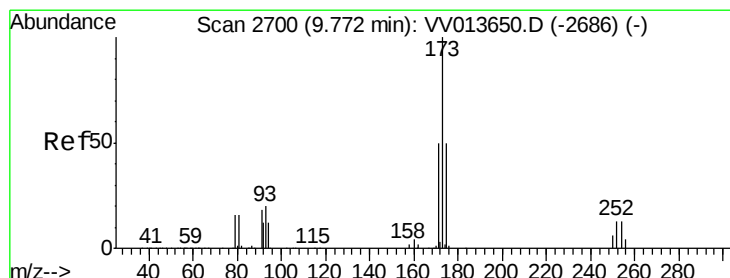
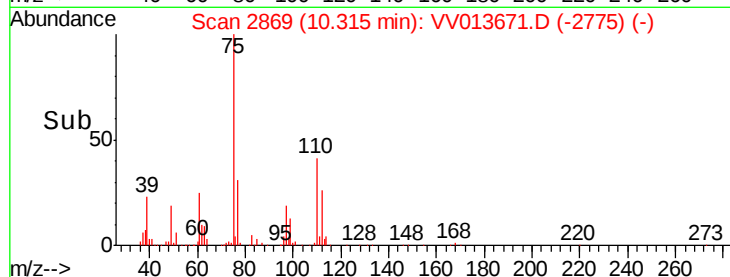
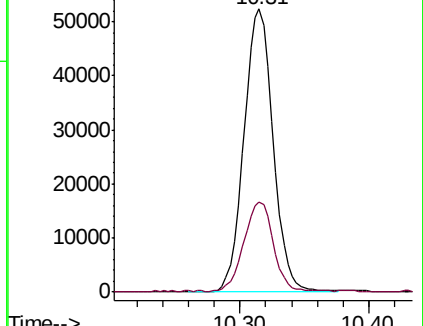
75 100

77 32.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV013650.D (-2854) (-)

Ion 77.00 (76.70 to 77.70): VV013650.D (-2854) (-)



#61

Bromoform

Concen: 5.000 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

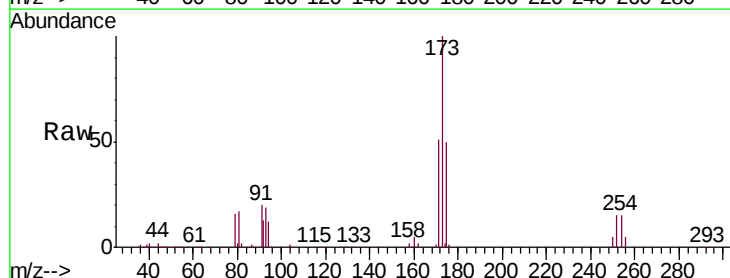
Tgt Ion: 173 Resp: 74341

Ion Ratio Lower Upper

173 100

175 48.6 38.2 57.2

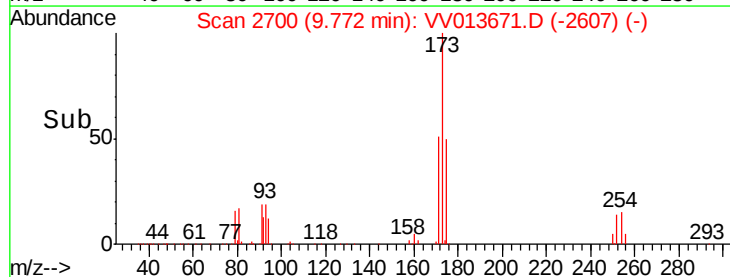
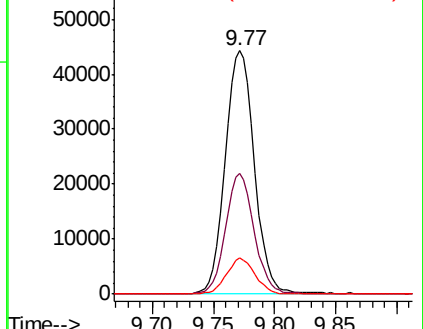
254 14.7 10.4 15.6

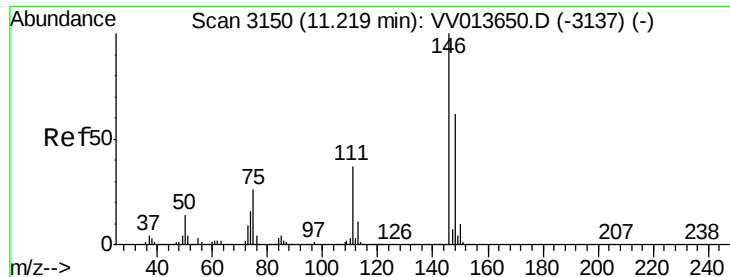


Abundance Ion 172.90 (172.60 to 173.60): VV013650.D (-2686) (-)

Ion 174.90 (174.60 to 175.60): VV013650.D (-2686) (-)

Ion 253.75 (253.45 to 254.45): VV013650.D (-2686) (-)





#62

1,3-Dichlorobenzene

Concen: 4.700 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

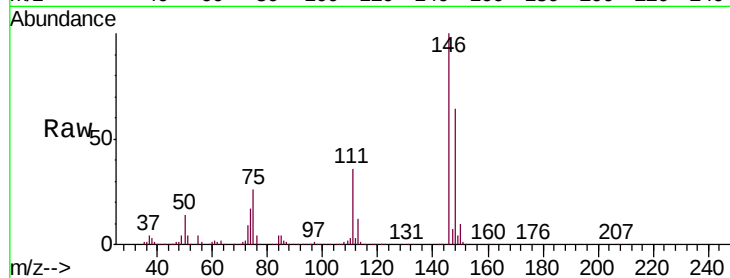
Tgt Ion:146 Resp: 312888

Ion Ratio Lower Upper

146 100

111 36.3 26.2 48.6

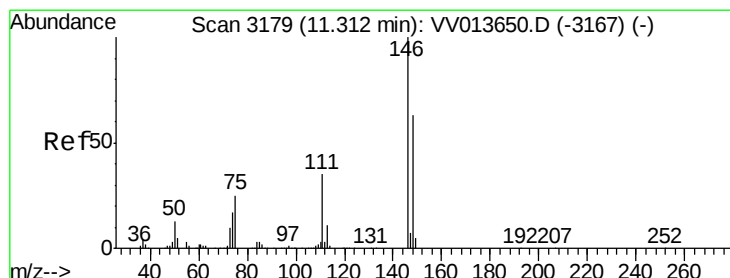
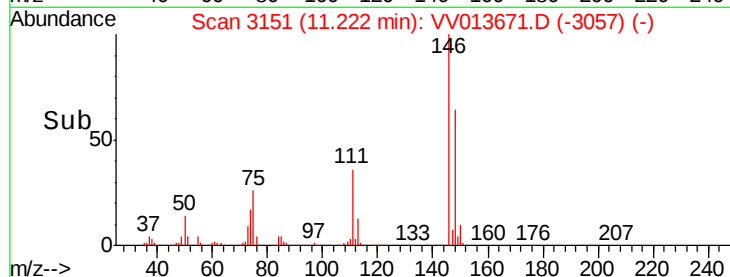
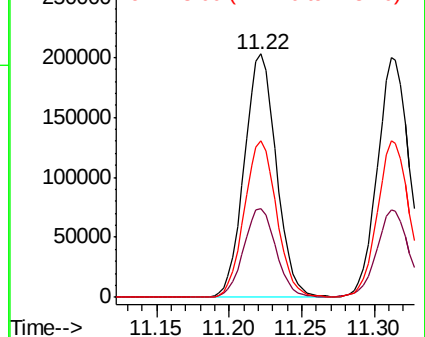
148 64.1 44.4 82.5



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: 4.586 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

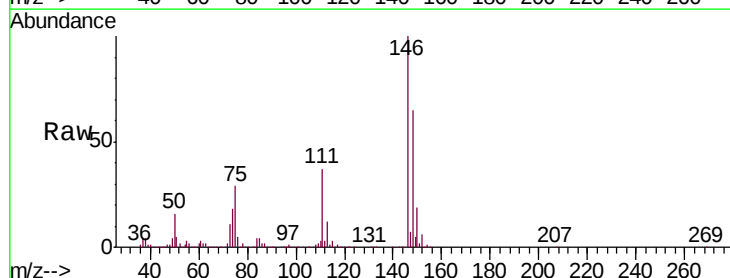
Tgt Ion:146 Resp: 310007

Ion Ratio Lower Upper

146 100

111 36.7 25.6 47.6

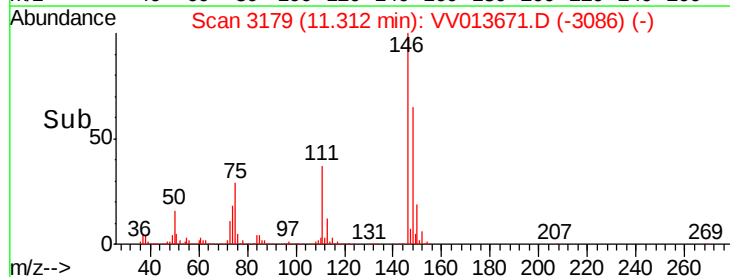
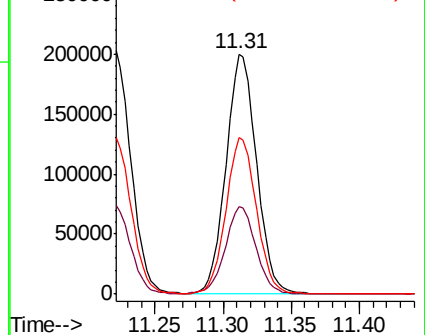
148 65.4 45.6 84.8

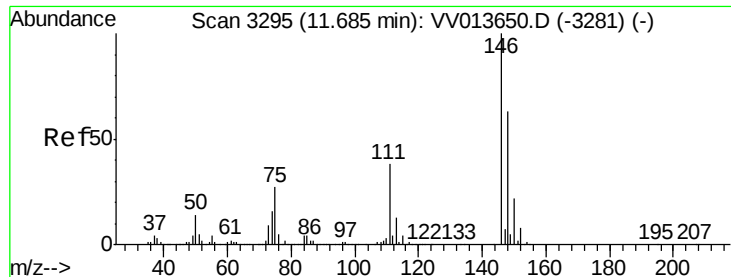


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

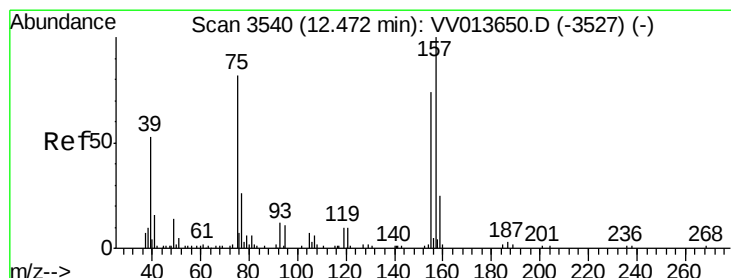
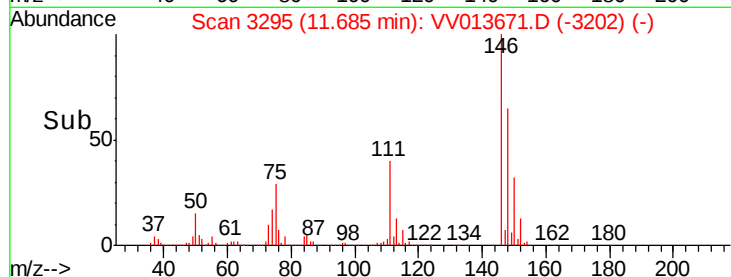
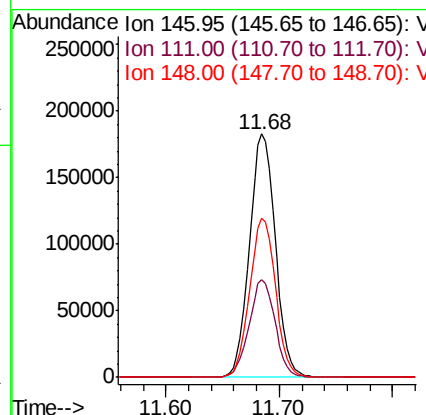
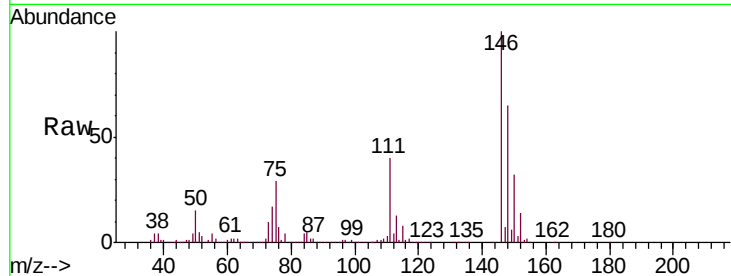




#65
 1,2-Dichlorobenzene
 Concen: 4.711 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

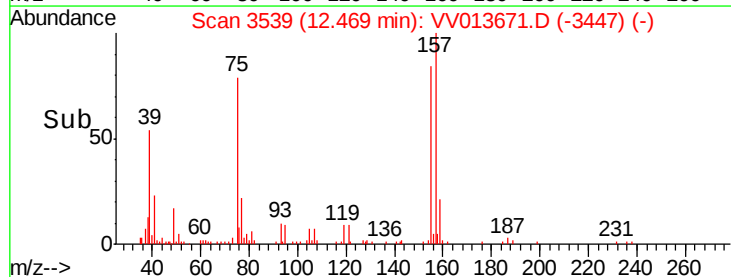
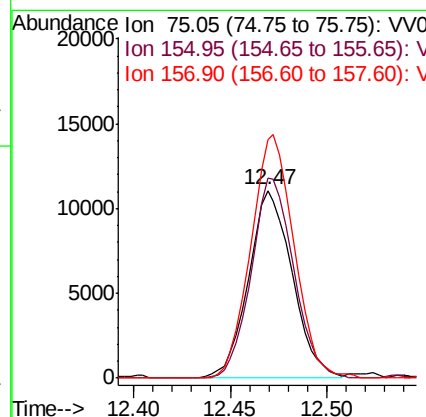
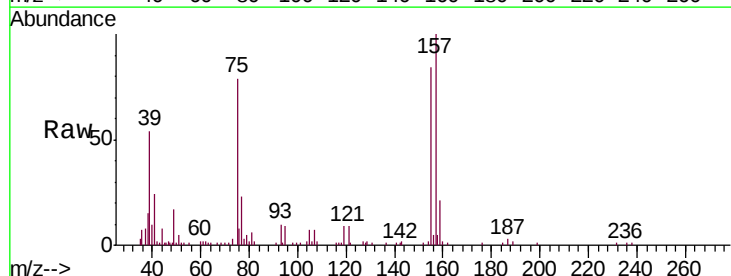
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

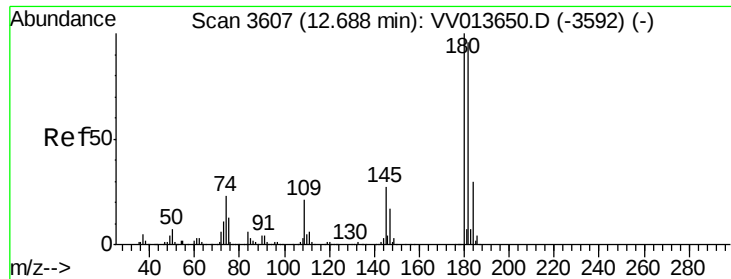
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	31.3	46.9
148	65.2	51.1	76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.690 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.6	64.8	97.2
157	127.2	89.1	133.7

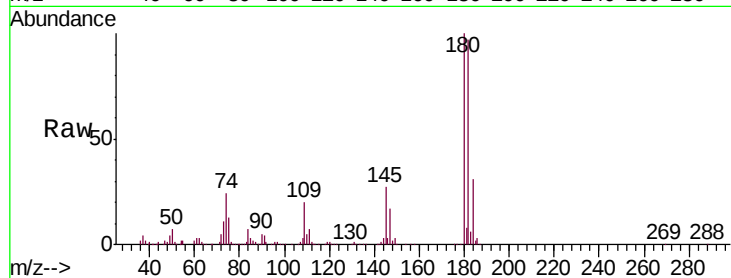




#67
 1,3,5-Trichlorobenzene
 Concen: 4.592 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	180	Resp:	253737
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.6
184	30.6	24.4	36.6
145	27.0	21.5	32.3



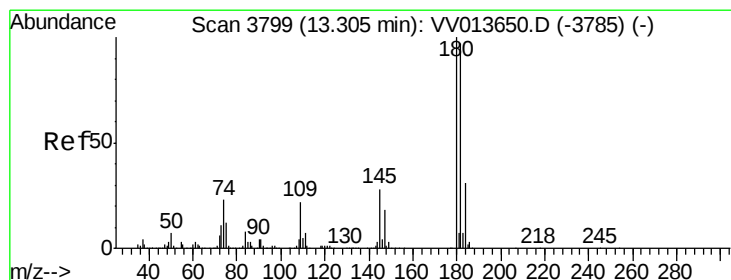
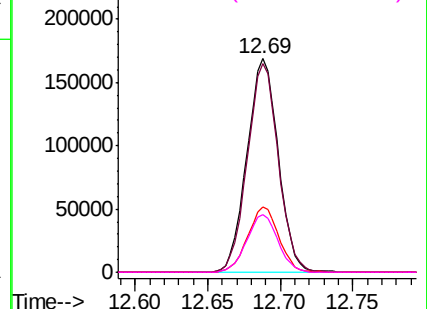
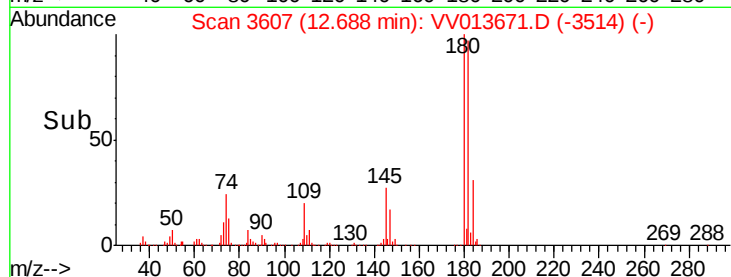
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

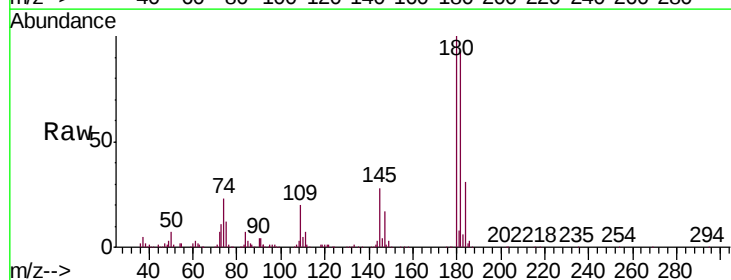
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.460 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013671.D
 Acq: 18 Nov 2019 21:00

Tgt Ion:	180	Resp:	202461
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.2	115.8
145	27.5	22.6	33.8

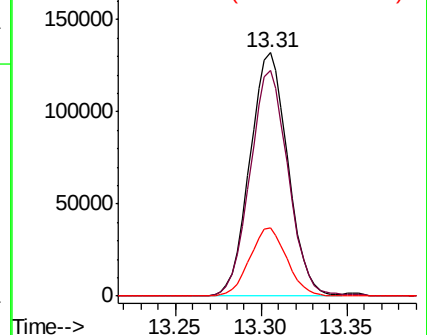
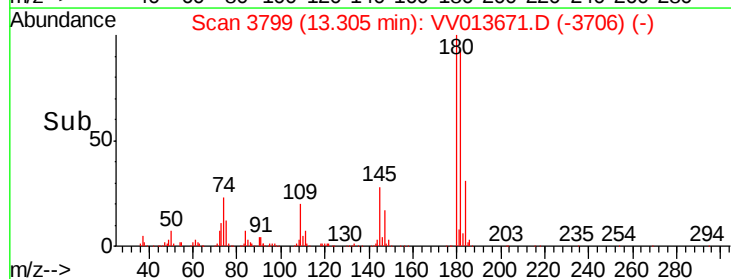


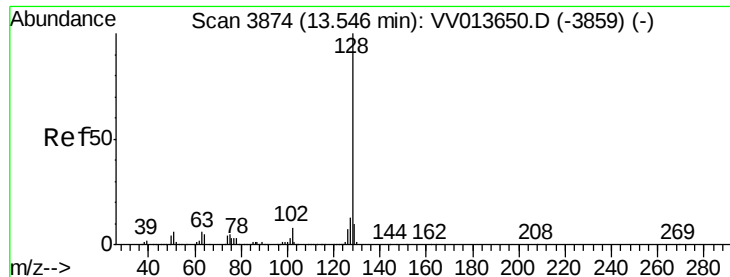
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.458 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

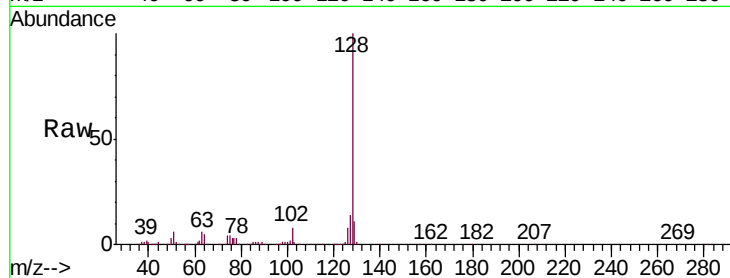
Tgt Ion:128 Resp: 276352

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

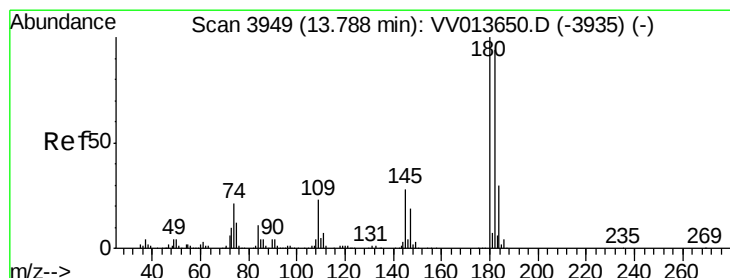
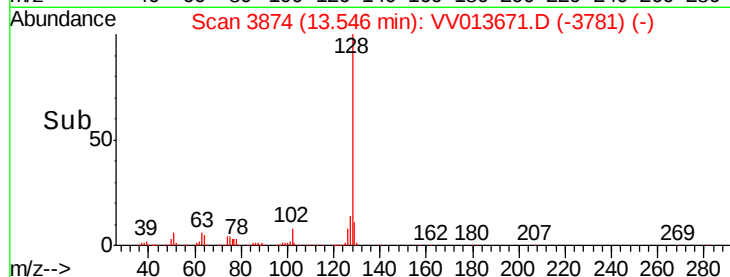
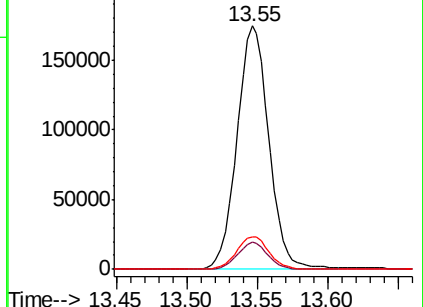
127 13.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.735 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013671.D

Acq: 18 Nov 2019 21:00

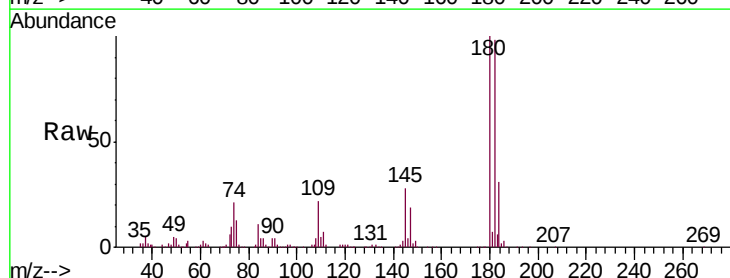
Tgt Ion:180 Resp: 196313

Ion Ratio Lower Upper

180 100

182 98.1 75.6 113.4

145 28.7 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

