

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
 Data File : VV013728.D
 Acq On : 22 Nov 2019 11:09
 Operator : SY/MD
 Sample : VSTD00534
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Quant Time: Nov 22 11:48:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	384293	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	207393	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	123259	5.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	107846	5.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	214817	4.97	ug/L	0.00
20) 2-Butanone-d5	3.96	46	278930	50.60	ug/L	0.00
24) Chloroform-d	4.40	84	255320	4.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	121181	4.80	ug/L	0.00
32) Benzene-d6	5.09	84	503415	4.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	150640	4.96	ug/L	0.00
41) Toluene-d8	7.36	98	486000	5.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	58913	5.02	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	230602	51.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	106547	4.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	191197	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	133120	3.957 ug/L	100
3) Chloromethane	1.25	50	115149	3.599 ug/L	100
5) Vinyl chloride	1.32	62	118308	3.837 ug/L	100
6) Bromomethane	1.53	94	62937	3.417 ug/L	100
8) Chloroethane	1.60	64	72492	4.165 ug/L	100
9) Trichlorofluoromethane	1.77	101	184385	4.395 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110719	4.741 ug/L	100
12) 1,1-Dichloroethene	2.14	96	95728	4.293 ug/L	100
13) Acetone	2.23	43	177384	51.122 ug/L	100
14) Carbon disulfide	2.31	76	218334	3.009 ug/L	100
15) Methyl Acetate	2.48	43	43529	4.513 ug/L	100
16) Methylene chloride	2.53	84	121079	3.884 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	268233	4.633 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	107755	3.962 ug/L	100
19) 1,1-Dichloroethane	3.23	63	220557	4.458 ug/L	100
21) 2-Butanone	4.05	43	290558	50.525 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	128425	4.454 ug/L	100
23) Bromochloromethane	4.30	128	58538	4.407 ug/L	100
25) Chloroform	4.42	83	236222	3.539 ug/L	100
27) 1,2-Dichloroethane	5.18	62	136573	4.591 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	198059	4.548 ug/L	100
30) Cyclohexane	4.72	56	164654	3.929 ug/L	100
31) Carbon tetrachloride	4.87	117	176846	4.530 ug/L	100
33) Benzene	5.14	78	482092	4.475 ug/L	100
34) Trichloroethene	5.96	95	130344	4.476 ug/L	100
35) Methylcyclohexane	6.17	83	178279	4.111 ug/L	100
37) 1,2-Dichloropropane	6.22	63	120801	4.659 ug/L	100
38) Bromodichloromethane	6.55	83	160155	4.407 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	174502	4.677 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	738375	48.473 ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
 Data File : VV013728.D
 Acq On : 22 Nov 2019 11:09
 Operator : SY/MD
 Sample : VSTD00534
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

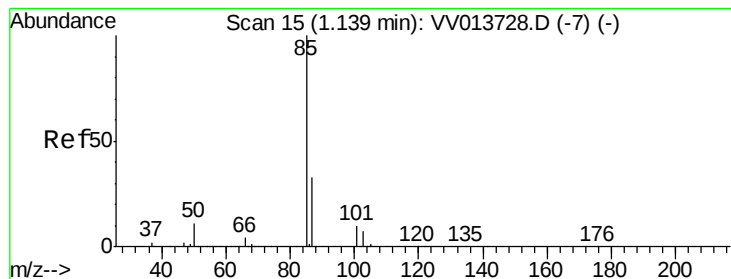
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Quant Time: Nov 22 11:48:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	527743	4.582	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	135001	4.575	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	88396	4.697	ug/L	100
47) Tetrachloroethene	8.01	164	114833	4.305	ug/L	100
48) 2-Hexanone	8.19	43	543429	50.016	ug/L	100
49) Dibromochloromethane	8.29	129	112705	4.691	ug/L	100
50) 1,2-Dibromoethane	8.39	107	80810	4.497	ug/L	100
51) Chlorobenzene	8.92	112	351201	4.553	ug/L	100
52) Ethylbenzene	9.05	91	564775	4.572	ug/L	100
53) m,p-xylene	9.18	106	216384	4.674	ug/L	100
54) o-xylene	9.58	106	215387	4.795	ug/L	100
55) Styrene	9.60	104	376335	4.943	ug/L	100
56) Isopropylbenzene	9.97	105	586794	4.886	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	97954	4.706	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	77007	4.732	ug/L	100
61) Bromoform	9.77	173	68167	4.466	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	317118	4.606	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	314758	4.506	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	290284	4.535	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	16148	4.223	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	262956	4.573	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	212197	4.479	ug/L	100
69) Naphthalene	13.55	128	276049	4.283	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	190700	4.457	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 3.957 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

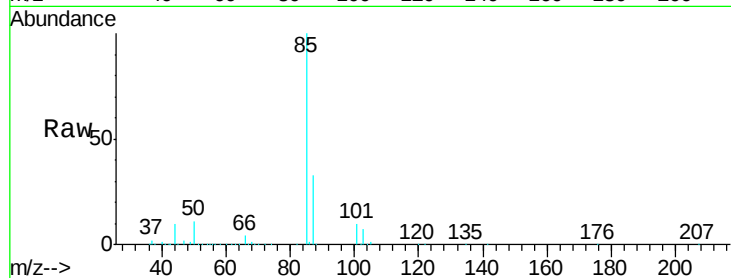
VSTD00534

Tgt Ion: 85 Resp: 133120

Ion Ratio Lower Upper

85 100

87 34.3 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013728.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013728.D (-7) (-)

1.14

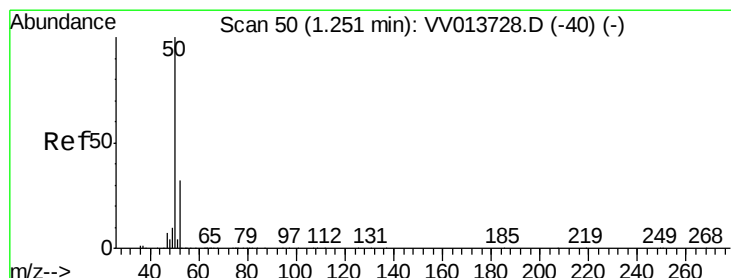
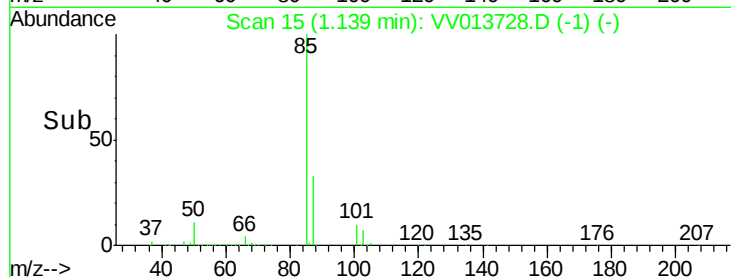
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 3.599 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013728.D

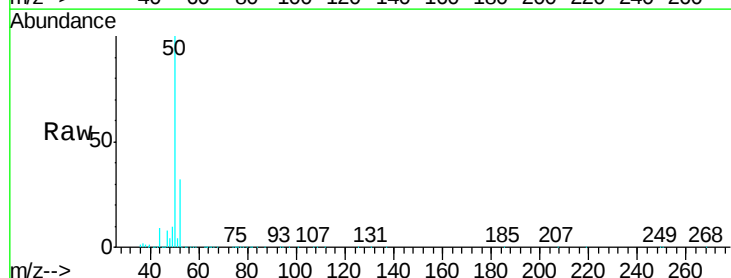
Acq: 22 Nov 2019 11:09

Tgt Ion: 50 Resp: 115149

Ion Ratio Lower Upper

50 100

52 32.1 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV013728.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV013728.D (-40) (-)

1.25

120000

100000

80000

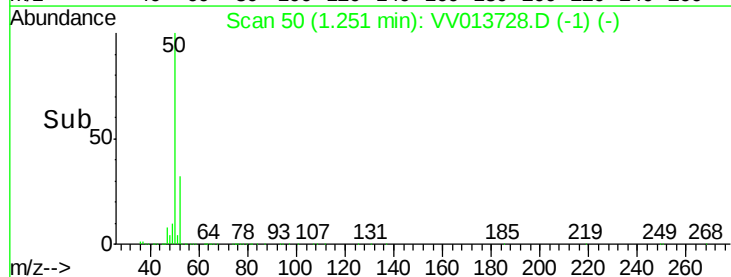
60000

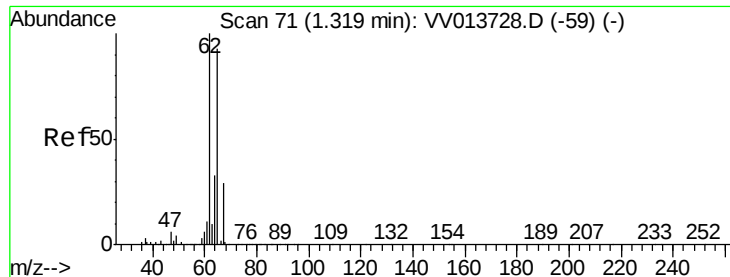
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 3.837 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

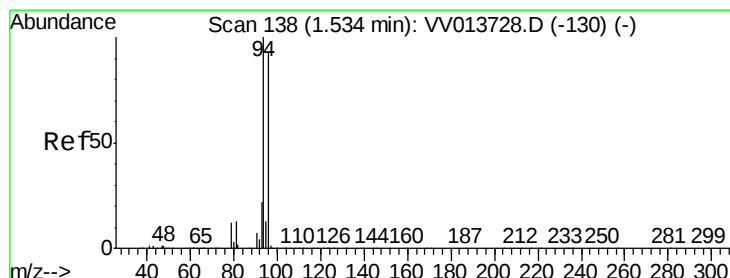
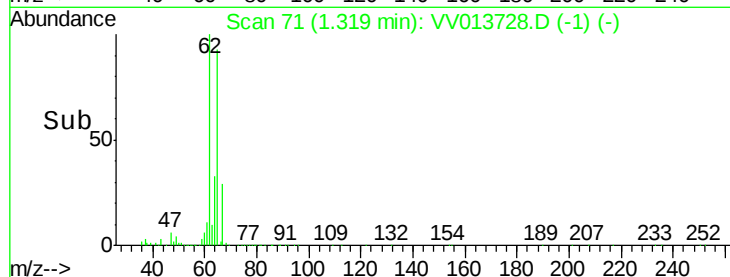
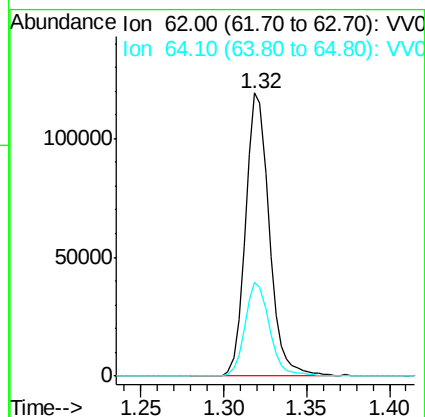
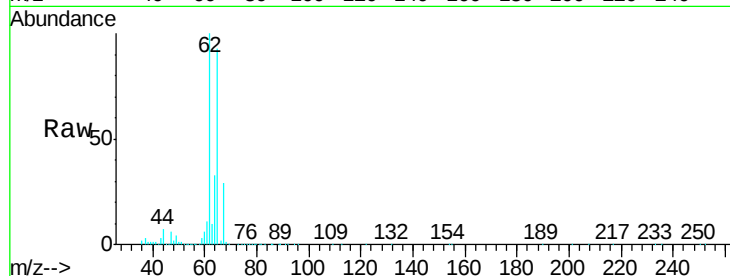
VSTD00534

Tgt Ion: 62 Resp: 118308

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 3.417 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013728.D

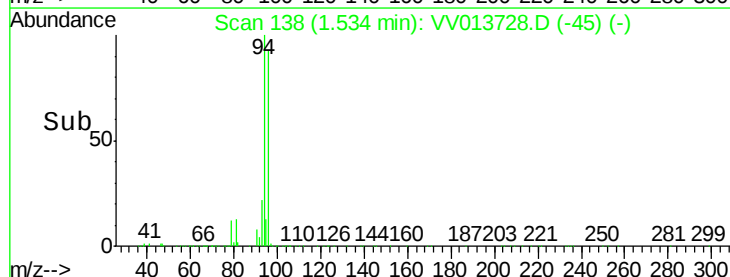
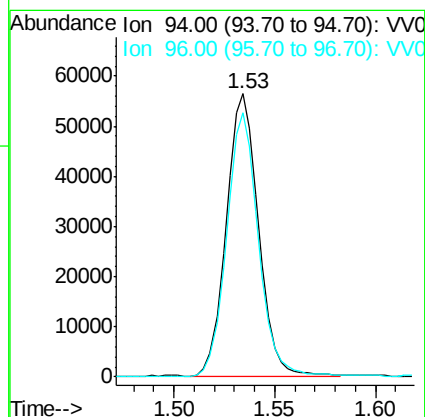
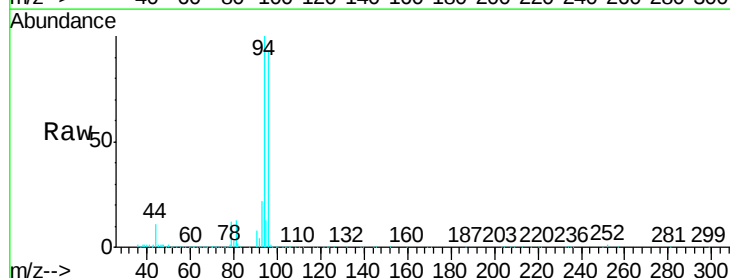
Acq: 22 Nov 2019 11:09

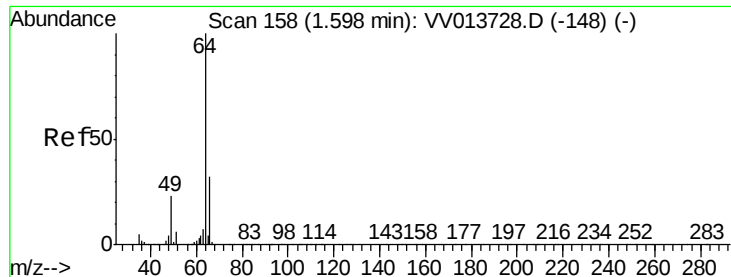
Tgt Ion: 94 Resp: 62937

Ion Ratio Lower Upper

94 100

96 93.1 65.2 121.0





#8

Chloroethane

Concen: 4.165 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

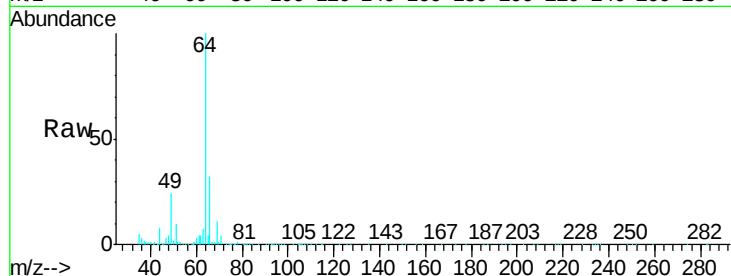
VSTD00534

Tgt Ion: 64 Resp: 72492

Ion Ratio Lower Upper

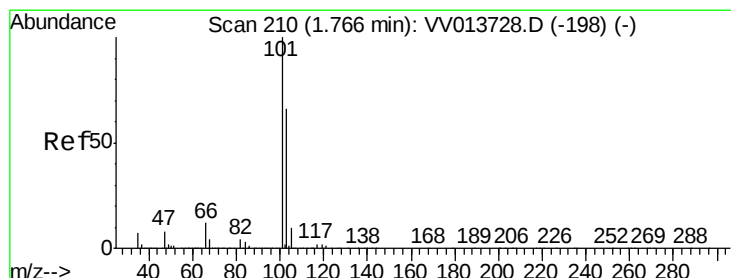
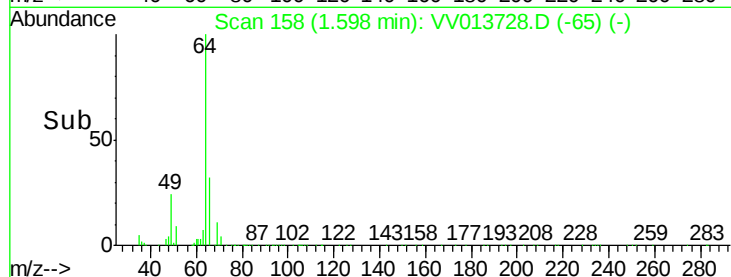
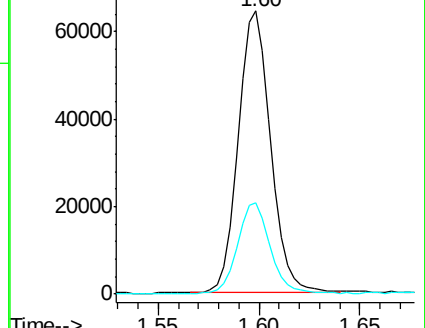
64 100

66 32.3 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV013728.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV013728.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 4.395 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013728.D

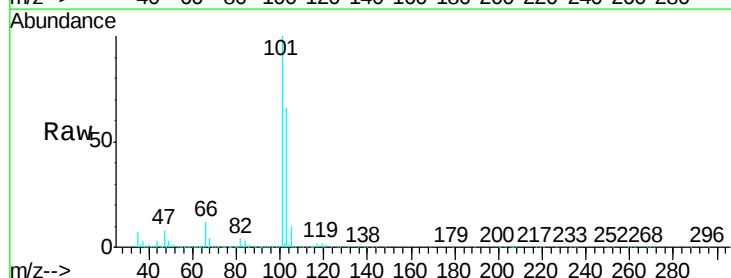
Acq: 22 Nov 2019 11:09

Tgt Ion: 101 Resp: 184385

Ion Ratio Lower Upper

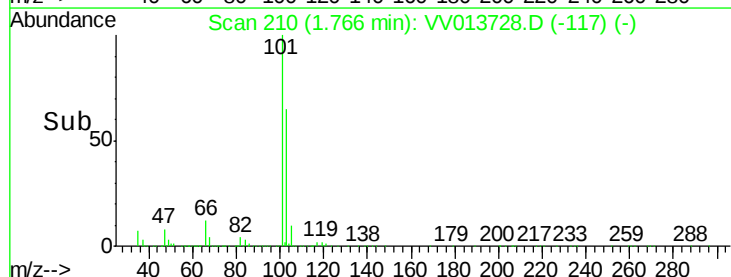
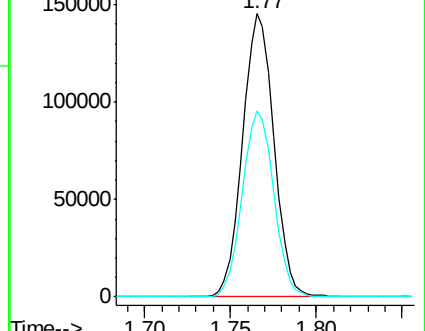
101 100

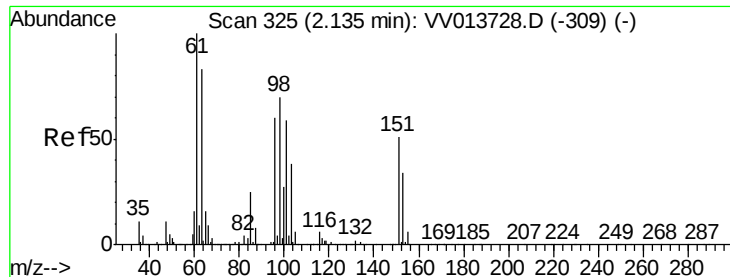
103 66.1 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV013728.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013728.D (-198) (-)





#10

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

Concen: 4.741 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

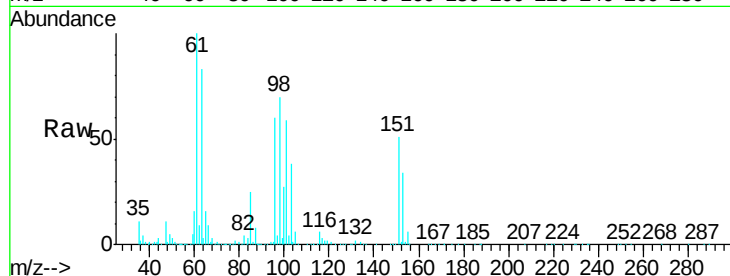
Tgt Ion: 101 Resp: 110719

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

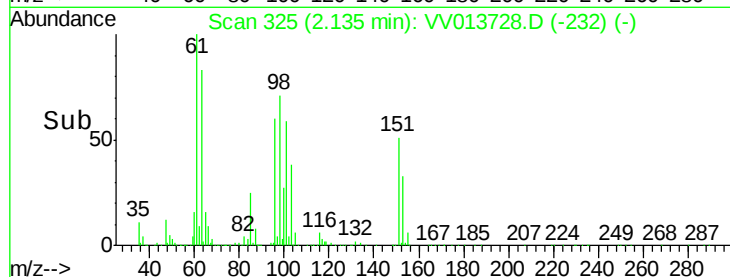
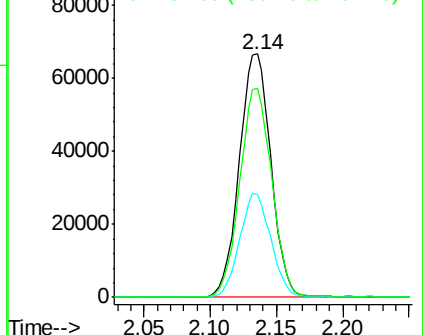
151 86.7 69.4 104.0



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: 4.293 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

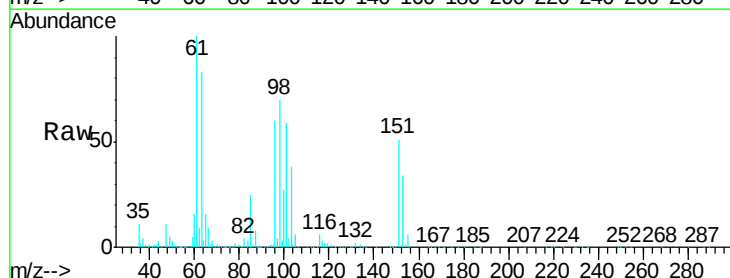
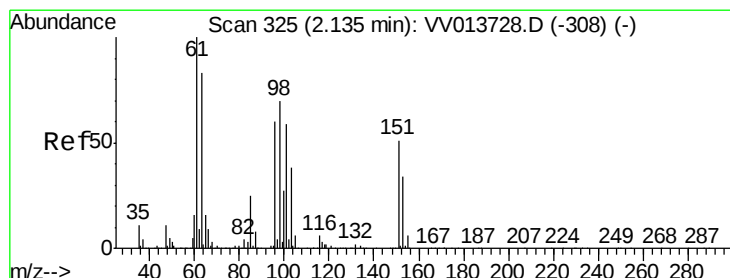
Tgt Ion: 96 Resp: 95728

Ion Ratio Lower Upper

96 100

61 166.1 116.3 215.9

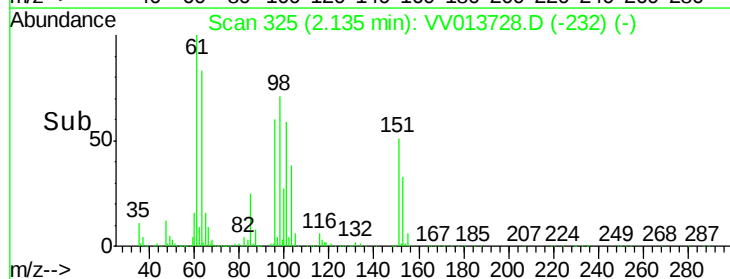
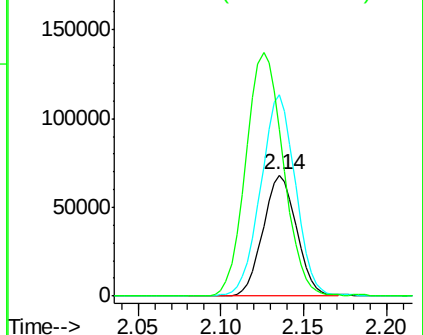
63 138.2 96.7 179.7

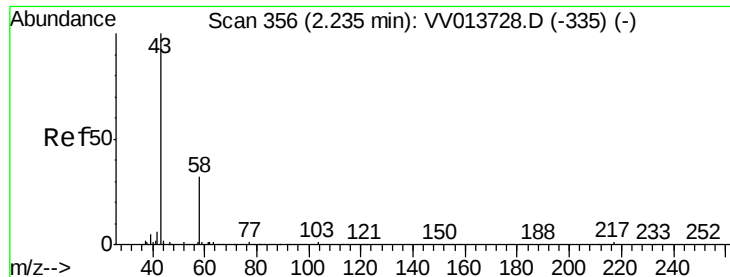


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.122 ug/L

RT: 2.23 min Scan# 356

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

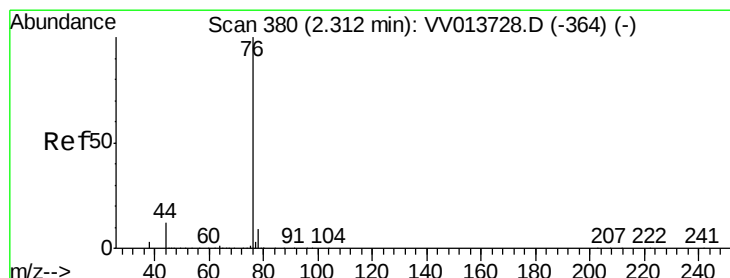
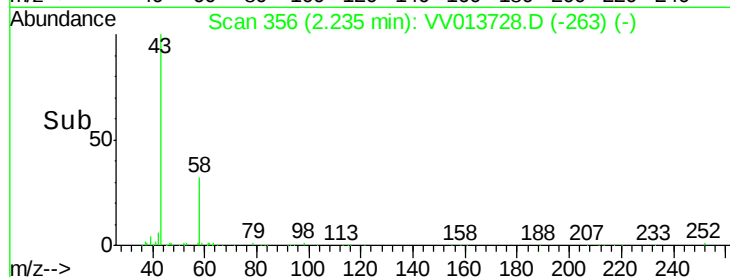
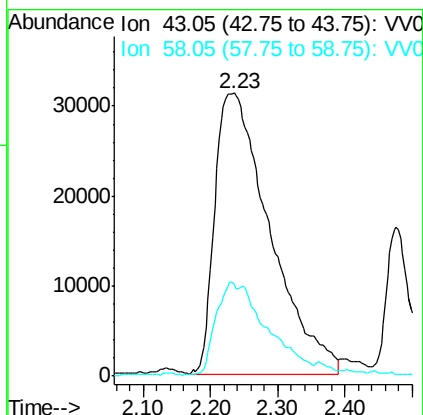
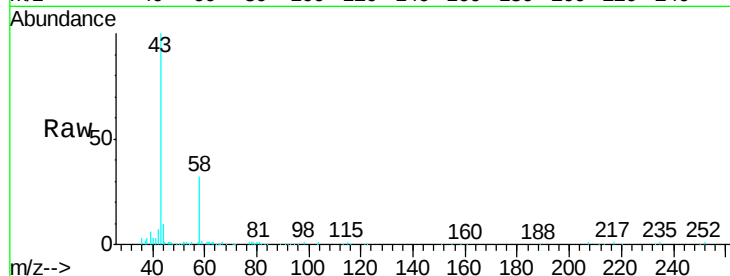
VSTD00534

Tgt Ion: 43 Resp: 177384

Ion Ratio Lower Upper

43 100

58 13.6 0.0 27.2



#14

Carbon disulfide

Concen: 3.009 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013728.D

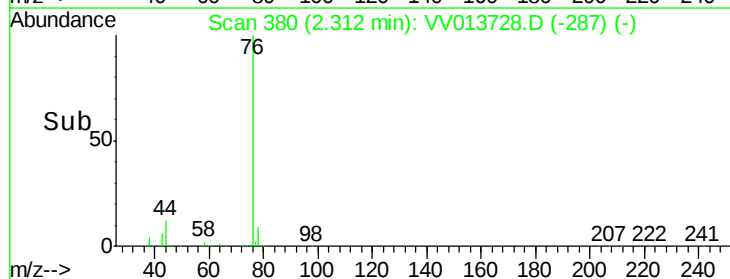
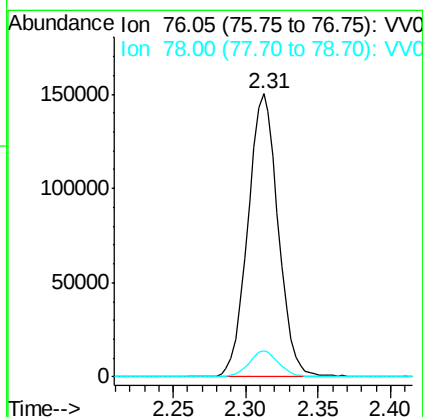
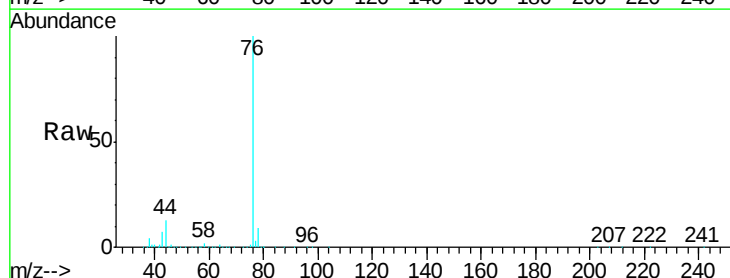
Acq: 22 Nov 2019 11:09

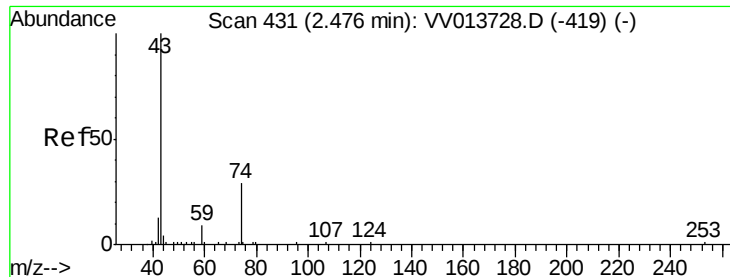
Tgt Ion: 76 Resp: 218334

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

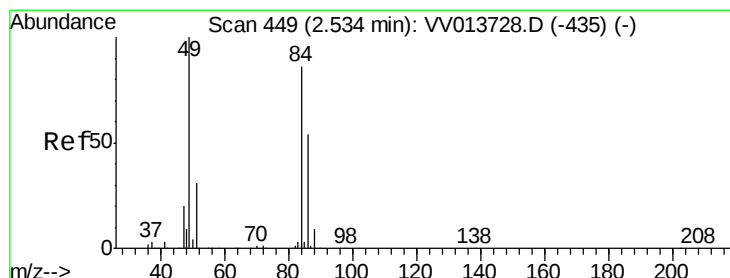
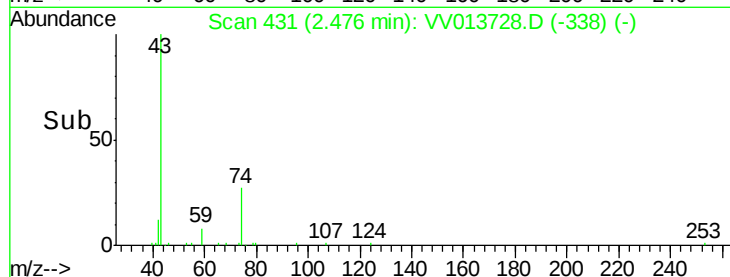
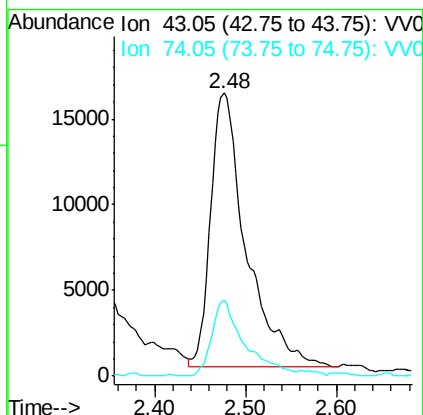
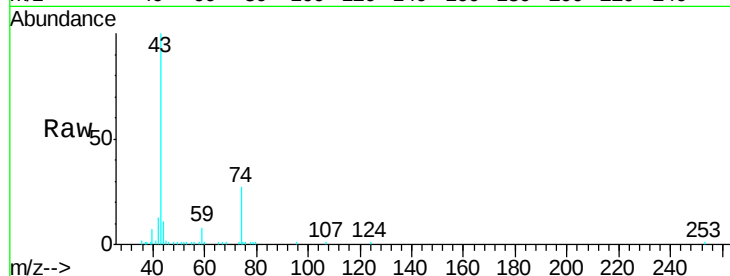




#15
Methyl Acetate
Concen: 4.513 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

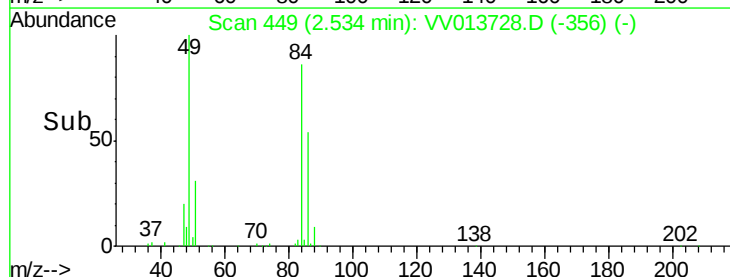
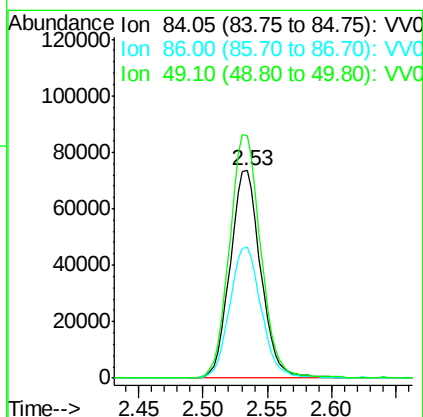
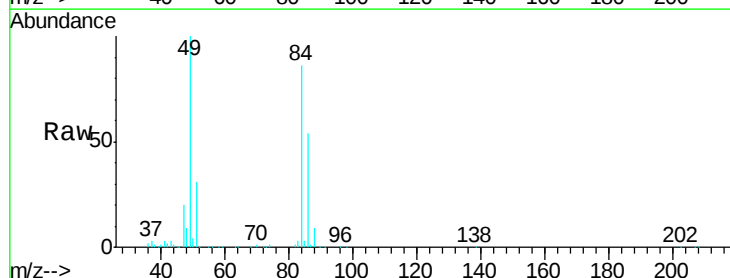
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

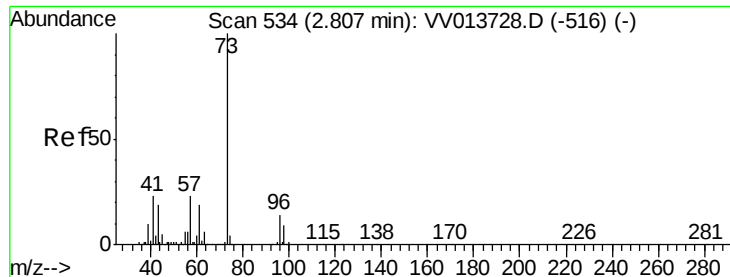
Tgt Ion: 43 Resp: 43529
Ion Ratio Lower Upper
43 100
74 25.6 20.5 30.7



#16
Methylene chloride
Concen: 3.884 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

Tgt Ion: 84 Resp: 121079
Ion Ratio Lower Upper
84 100
86 62.8 44.0 81.6
49 116.5 81.5 151.5

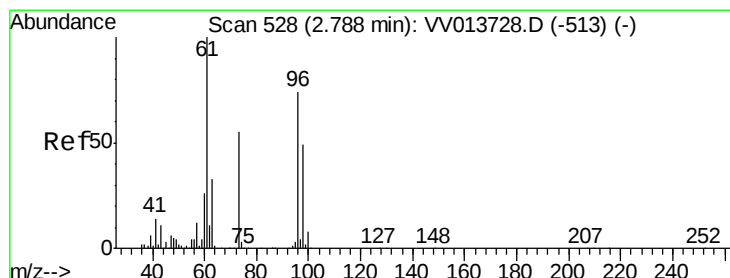
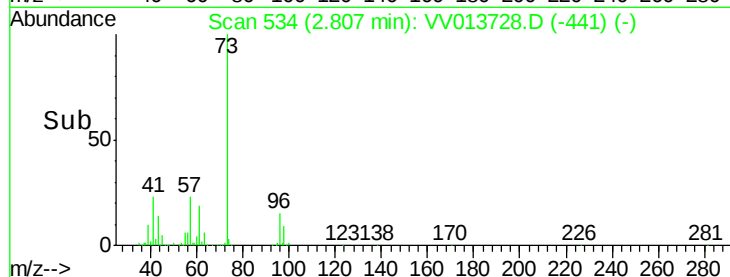
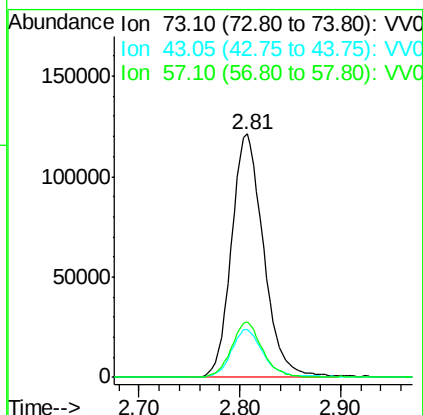
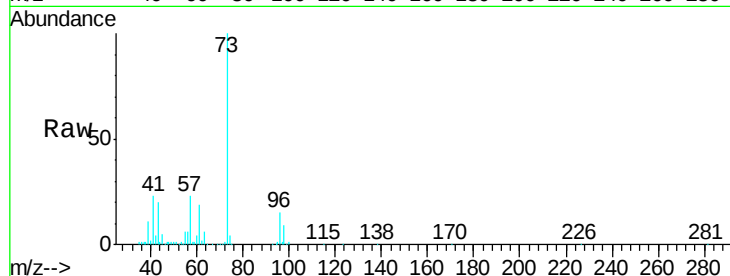




#17
Methyl tert-butyl Ether
Concen: 4.633 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

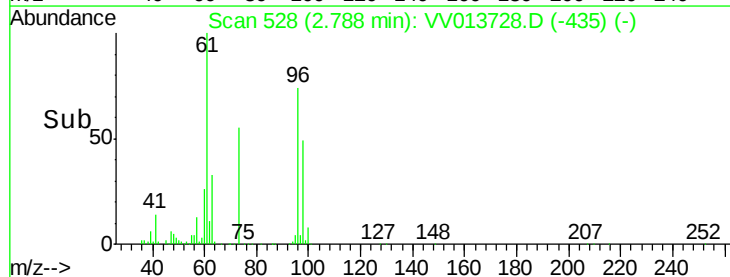
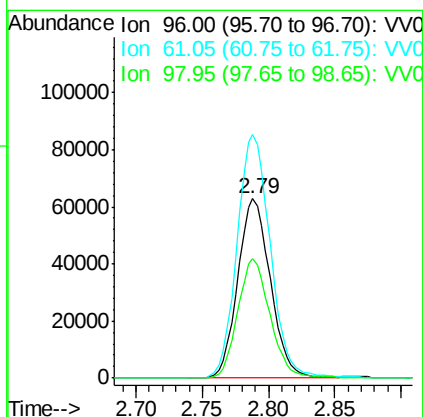
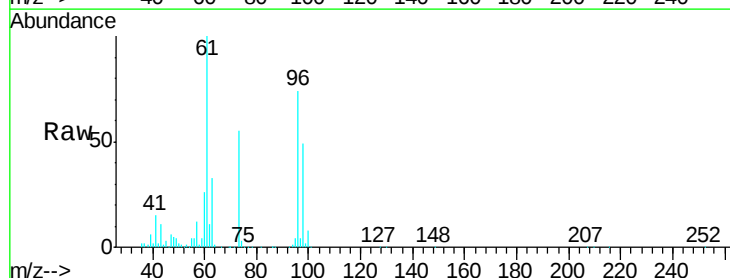
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

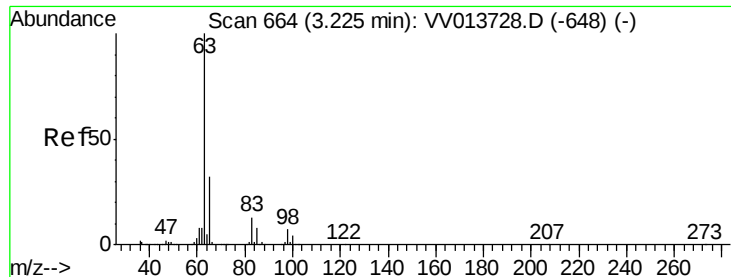
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.5	23.3
57	21.9	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 3.962 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.9	95.1	176.7
98	66.4	46.5	86.3

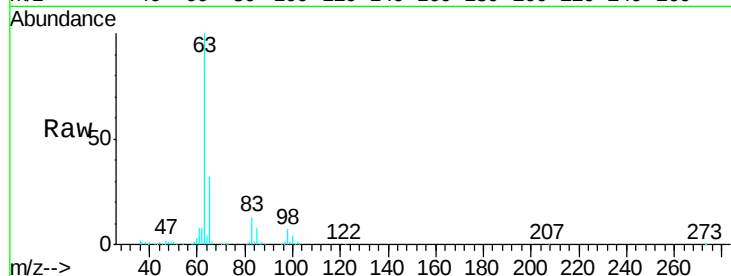




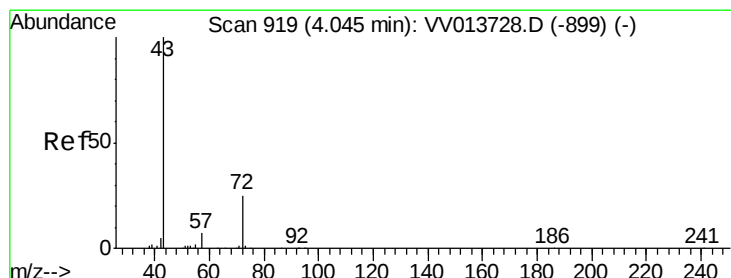
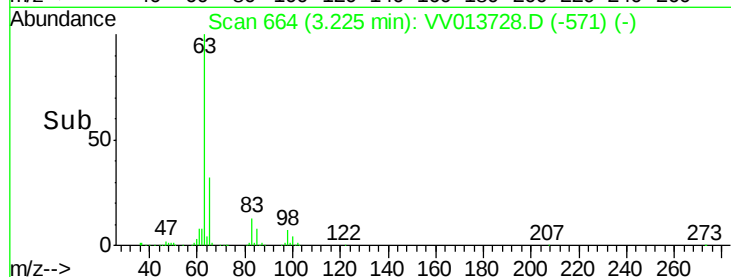
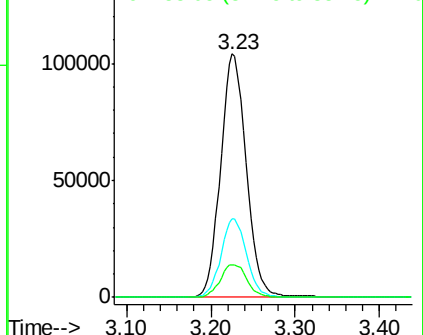
#19
 1,1-Dichloroethane
 Concen: 4.458 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	63	Resp:	220557
Ion	Ratio	Lower	Upper
63	100		
65	32.4	22.7	42.1
83	13.2	9.2	17.2

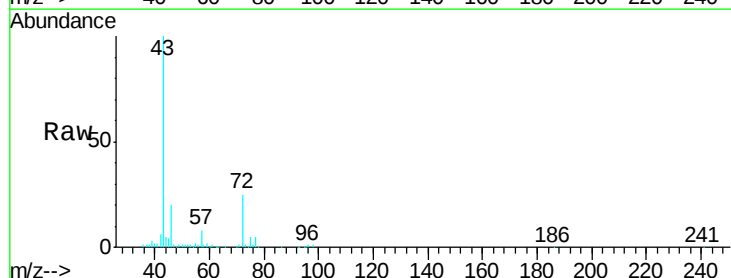


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

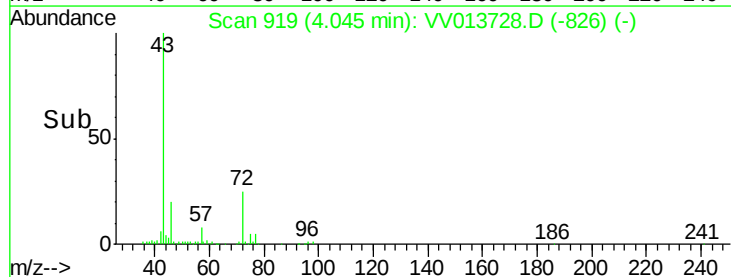
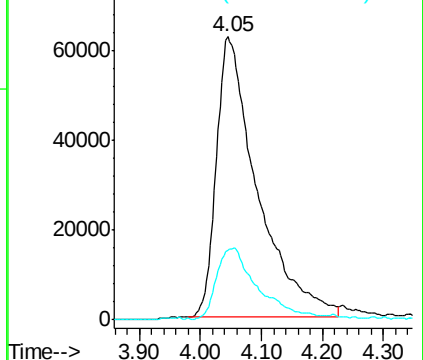


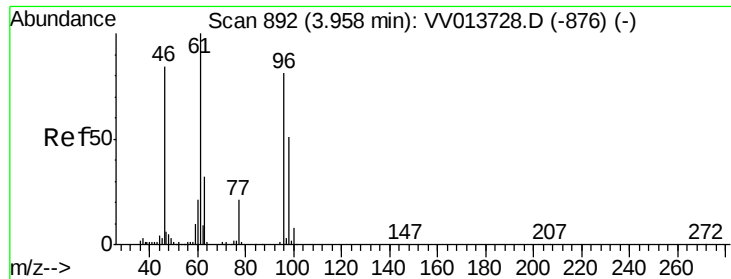
#21
 2-Butanone
 Concen: 50.525 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion:	43	Resp:	290558
Ion	Ratio	Lower	Upper
43	100		
72	24.6	12.3	36.9



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



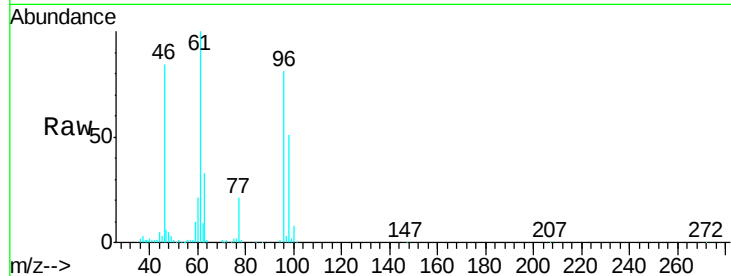


#22

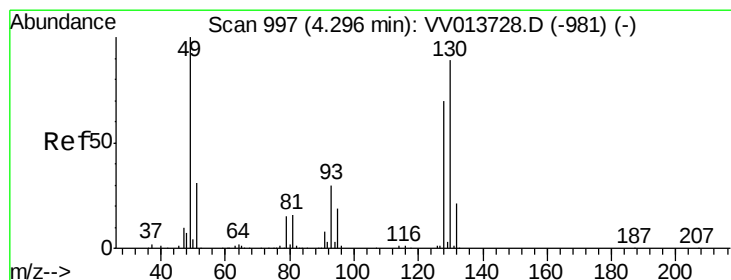
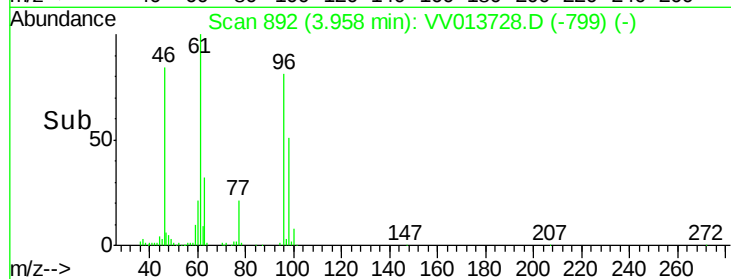
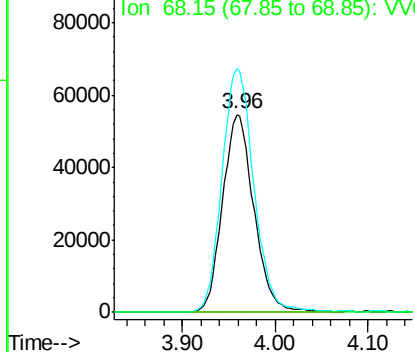
cis-1,2-Dichloroethene
 Concen: 4.454 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion: 96 Resp: 128425
 Ion Ratio Lower Upper
 96 100
 61 123.0 86.1 159.9
 68 0.0 0.0 0.0



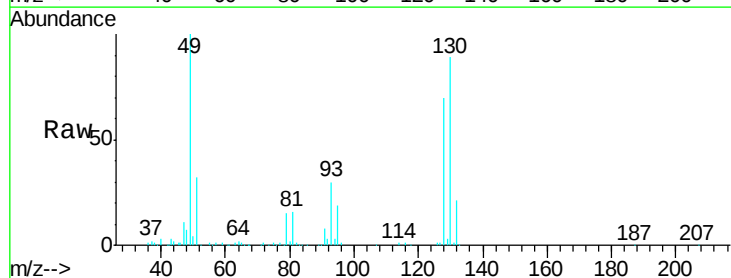
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



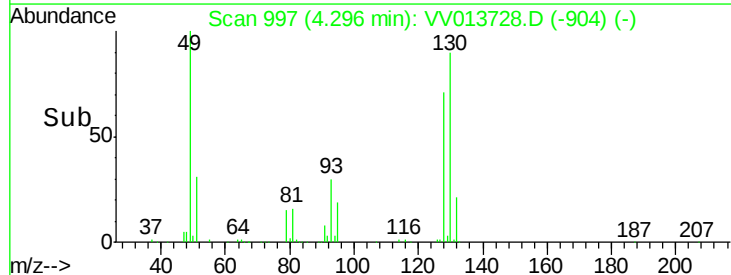
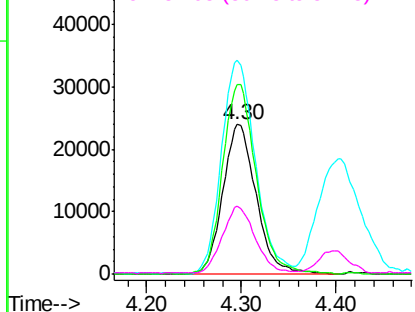
#23

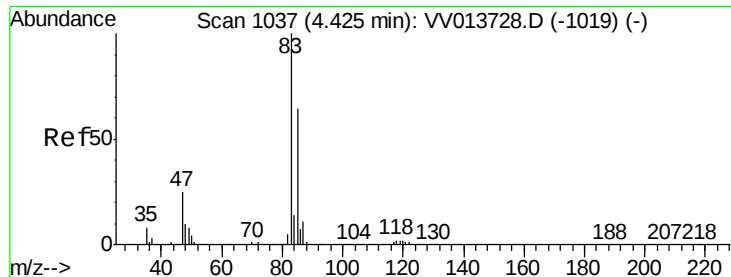
Bromochloromethane
 Concen: 4.407 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion: 128 Resp: 58538
 Ion Ratio Lower Upper
 128 100
 49 143.0 100.1 185.9
 130 127.2 89.0 165.4
 51 45.4 36.3 54.5



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





#25

Chloroform

Concen: 3.539 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampled :

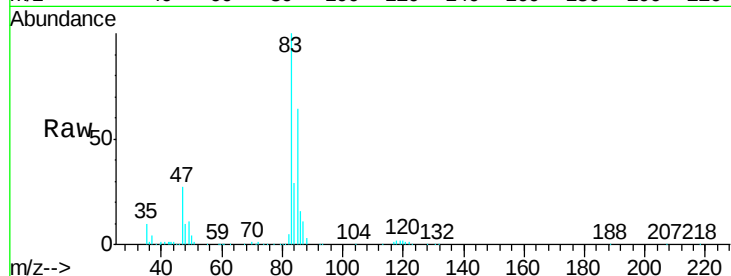
VSTD00534

Tgt Ion: 83 Resp: 236222

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.42

100000

80000

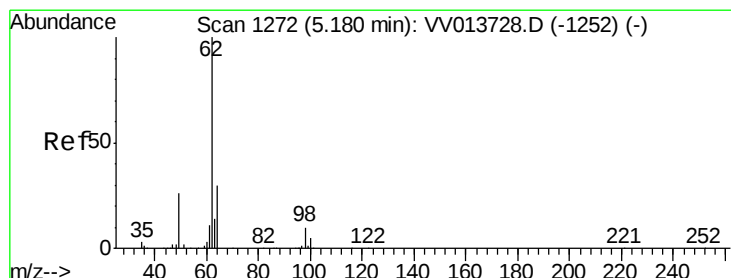
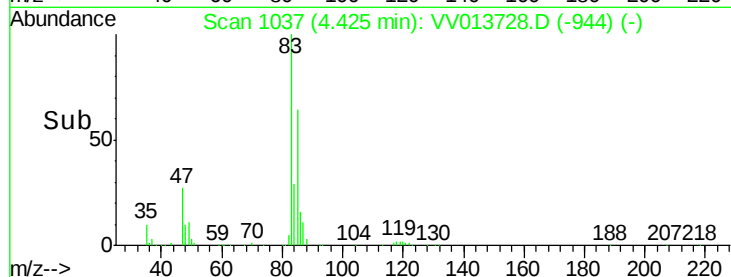
60000

40000

20000

0

Time--> 4.30 4.40 4.50



#27

1,2-Dichloroethane

Concen: 4.591 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013728.D

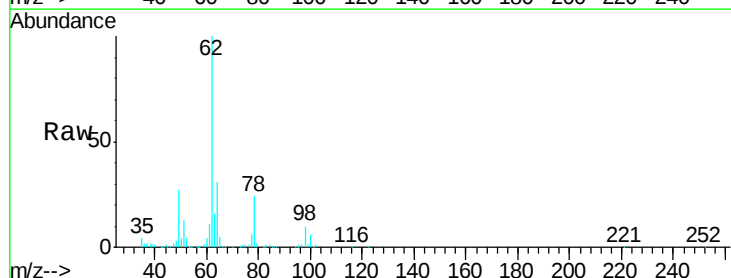
Acq: 22 Nov 2019 11:09

Tgt Ion: 62 Resp: 136573

Ion Ratio Lower Upper

62 100

98 10.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.18

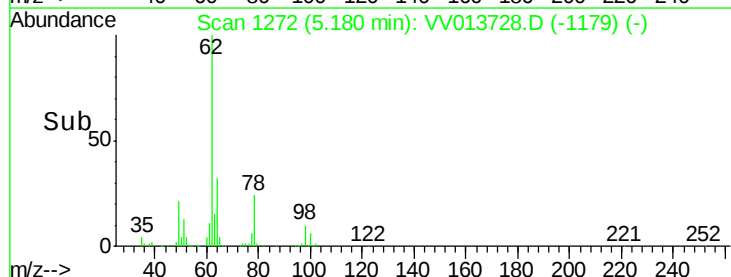
60000

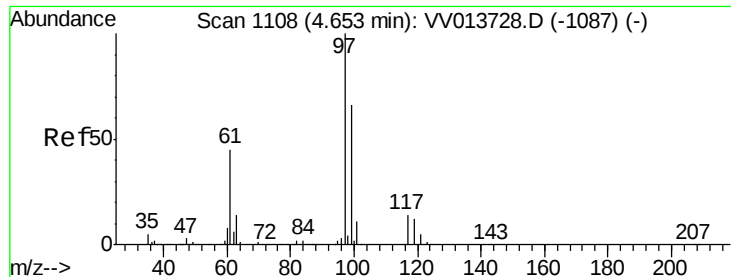
40000

20000

0

Time--> 5.10 5.20 5.30

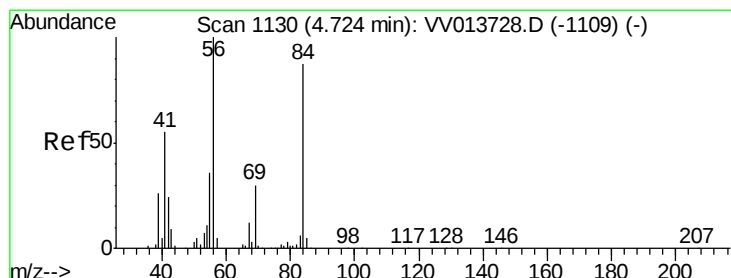
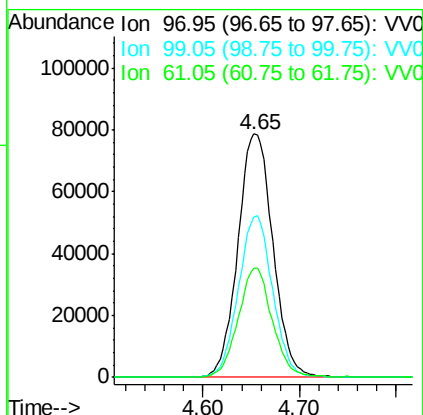
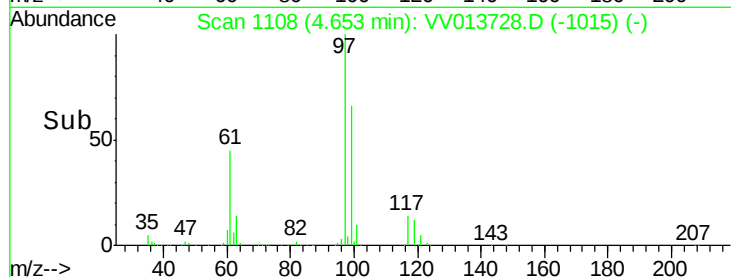
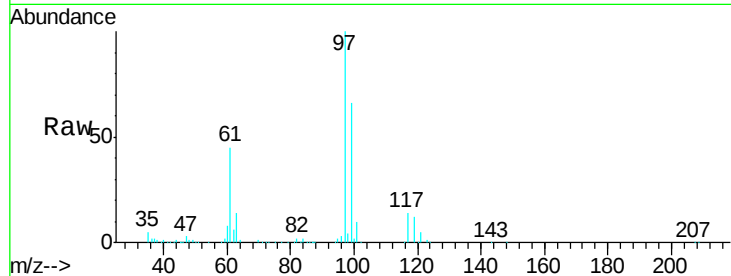




#29
 1,1,1-Trichloroethane
 Concen: 4.548 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

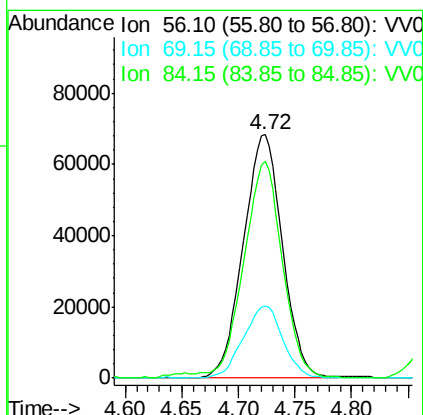
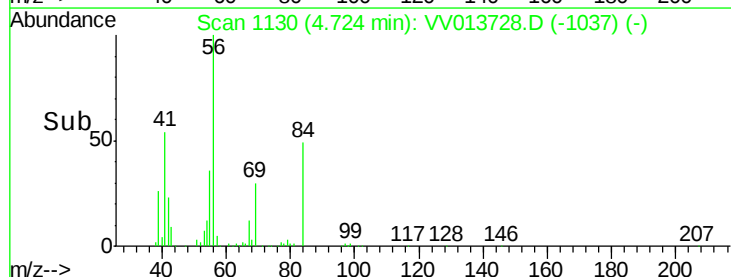
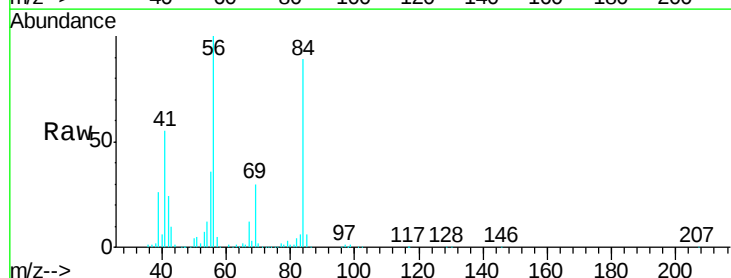
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

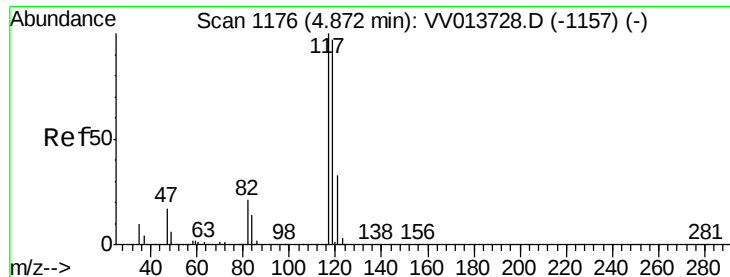
Tgt Ion: 97 Resp: 198059
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 43.8 35.0 52.6



#30
 Cyclohexane
 Concen: 3.929 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion: 56 Resp: 164654
 Ion Ratio Lower Upper
 56 100
 69 30.1 24.1 36.1
 84 87.4 69.9 104.9





#31

Carbon tetrachloride

Concen: 4.530 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

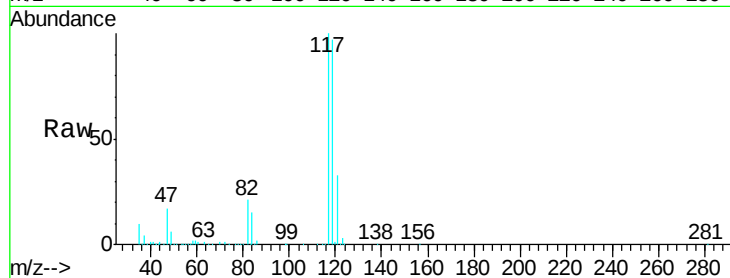
VSTD00534

Tgt Ion:117 Resp: 176846

Ion Ratio Lower Upper

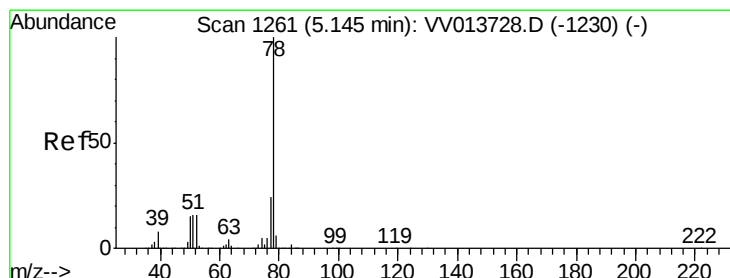
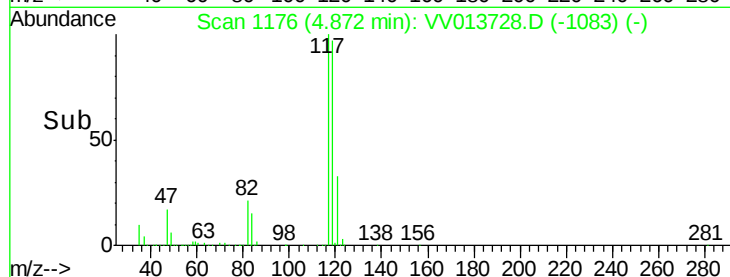
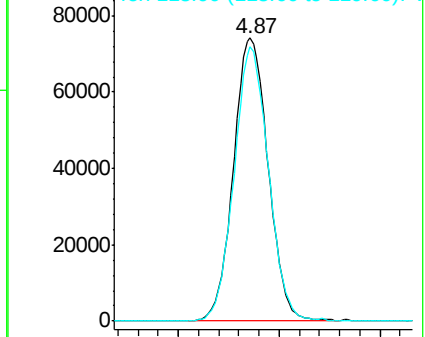
117 100

119 96.0 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.475 ug/L

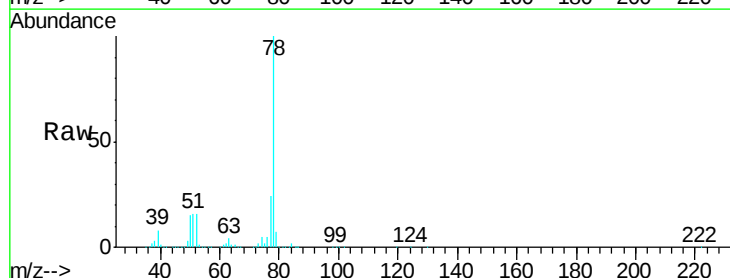
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

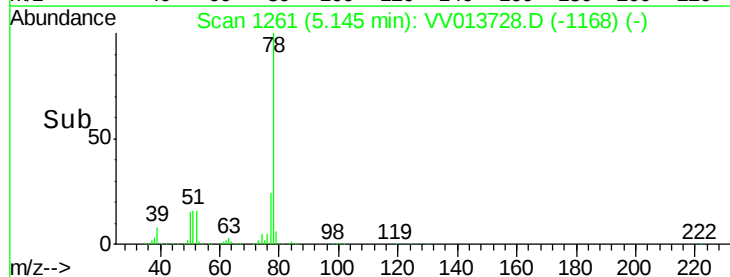
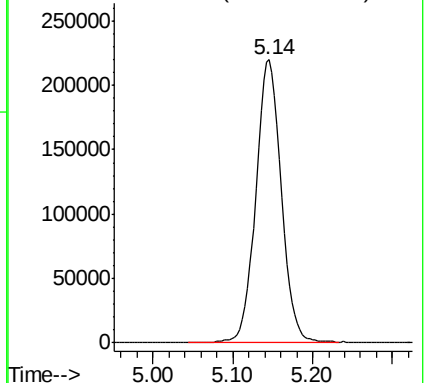
Lab File: VV013728.D

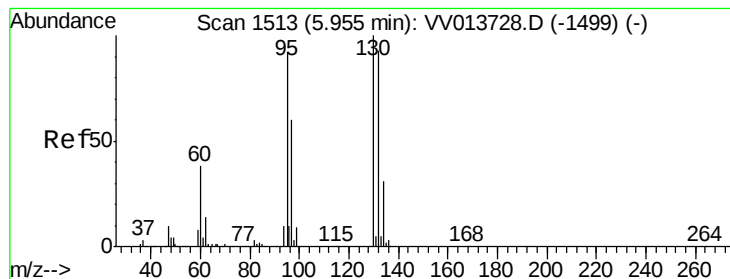
Acq: 22 Nov 2019 11:09

Tgt Ion: 78 Resp: 482092



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.476 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampled :

VSTD00534

Tgt Ion: 95 Resp: 130344

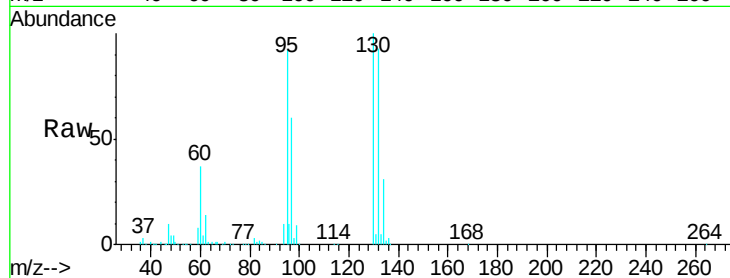
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.8

132 100.7 70.5 130.9

130 108.4 75.9 140.9



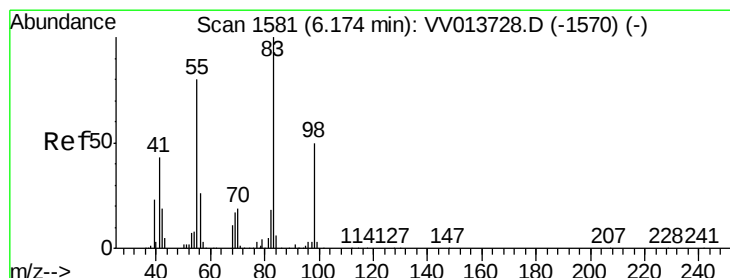
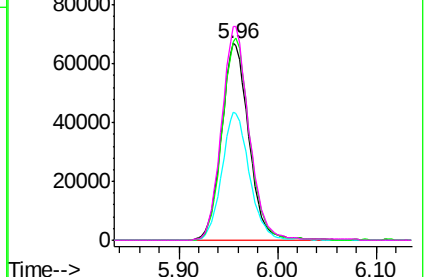
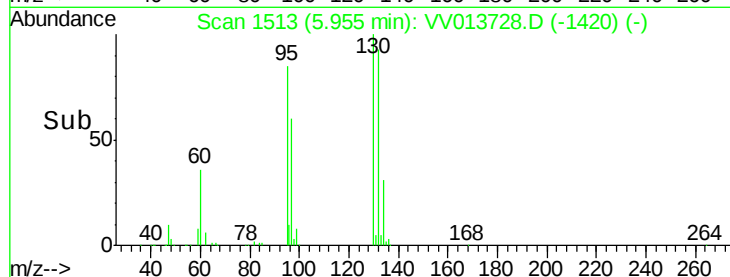
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Time-->



#35

Methylcyclohexane

Concen: 4.111 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

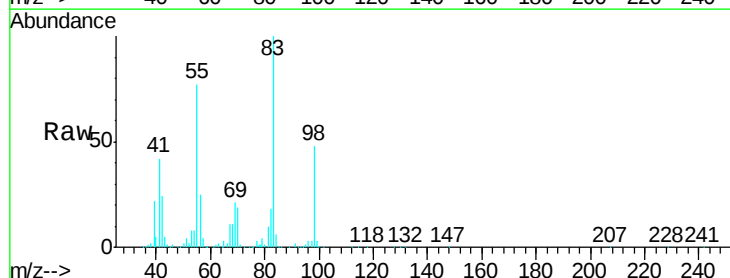
Tgt Ion: 83 Resp: 178279

Ion Ratio Lower Upper

83 100

55 75.4 60.3 90.5

98 47.6 38.1 57.1

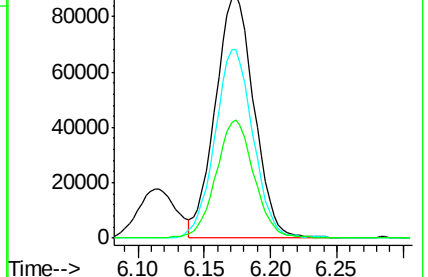
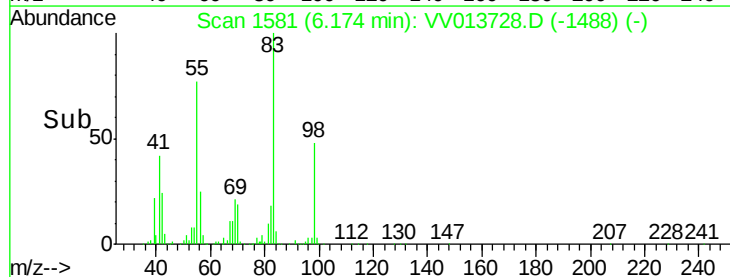


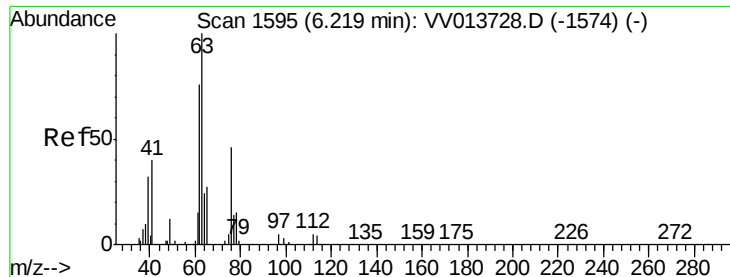
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

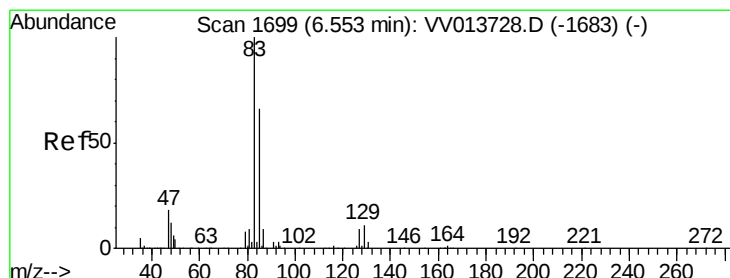
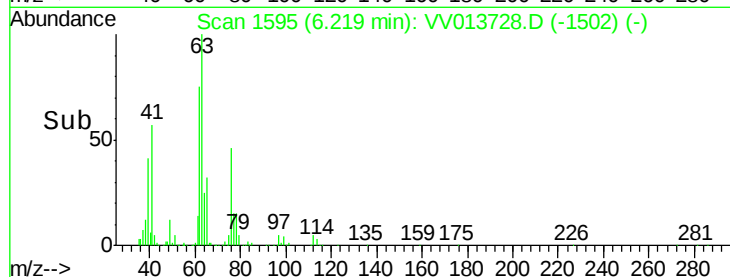
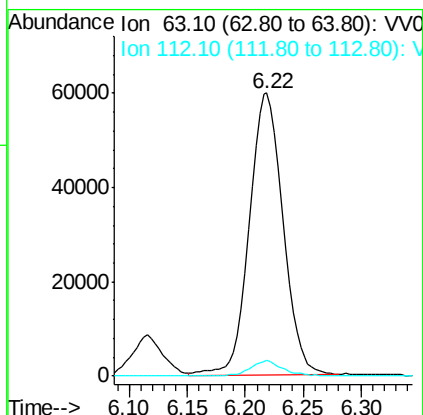
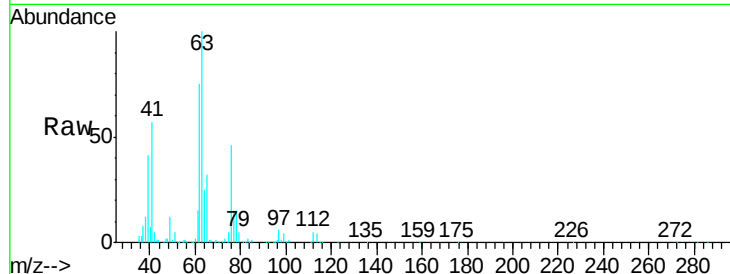




#37
 1,2-Dichloropropane
 Concen: 4.659 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

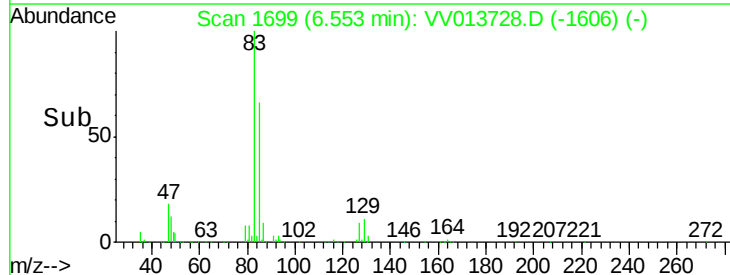
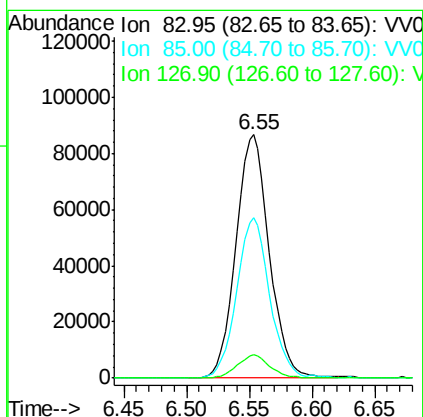
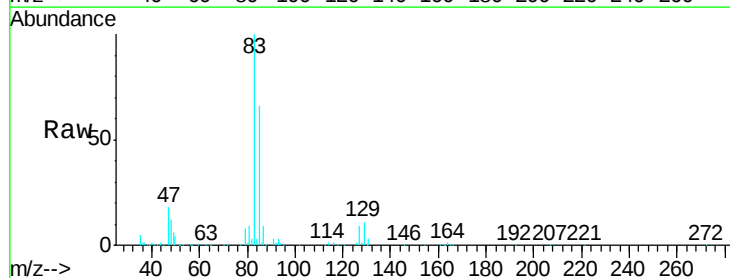
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

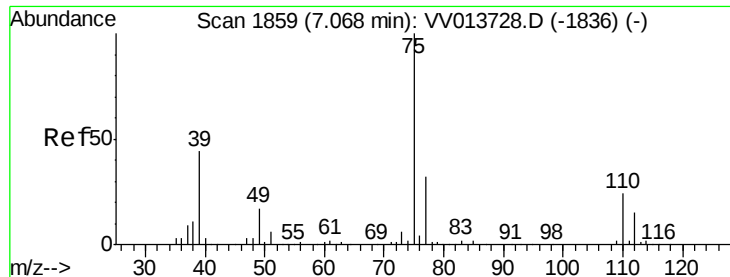
Tgt Ion: 63 Resp: 120801
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.407 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion: 83 Resp: 160155
 Ion Ratio Lower Upper
 83 100
 85 65.8 46.1 85.5
 127 9.4 7.5 11.3

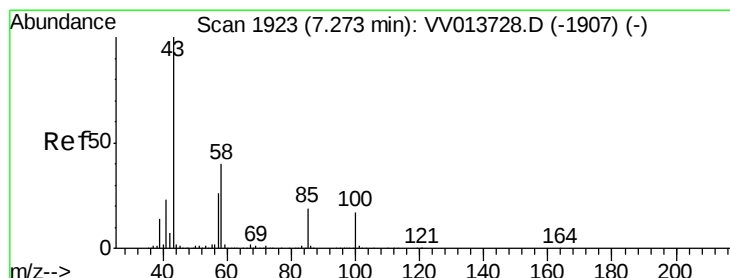
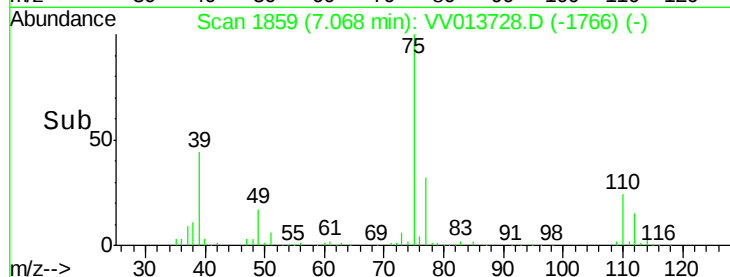
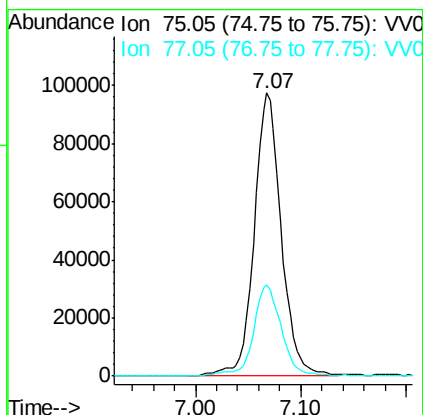
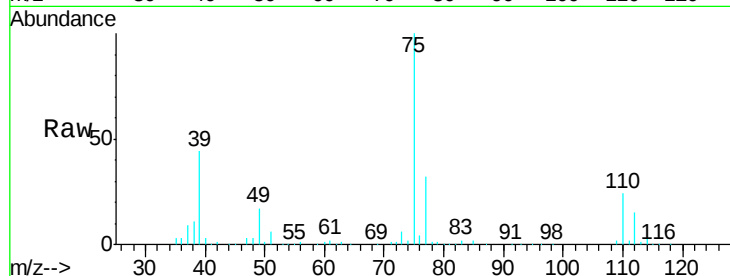




#39
 cis-1,3-Dichloropropene
 Concen: 4.677 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

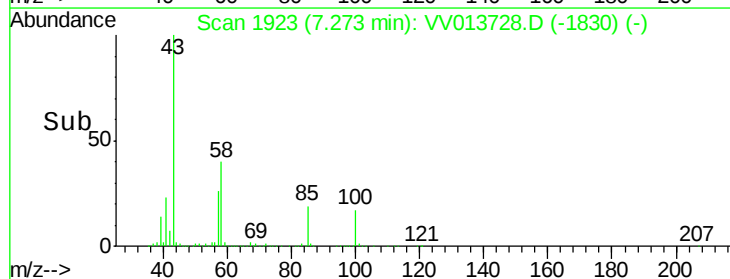
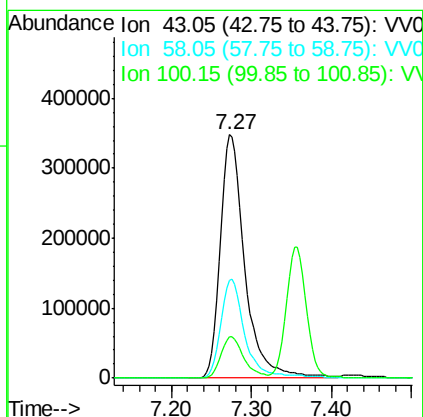
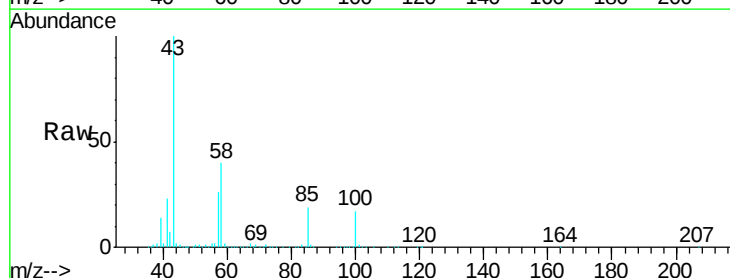
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00534

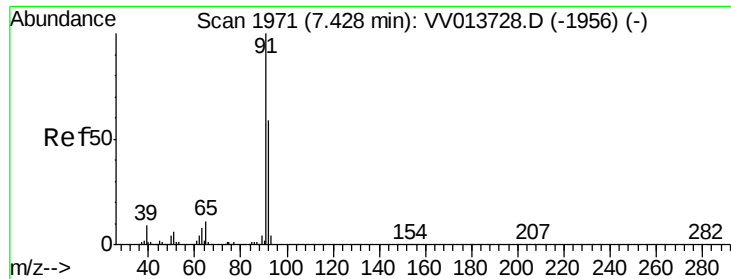
Tgt Ion: 75 Resp: 174502
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 48.473 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion: 43 Resp: 738375
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 15.9 12.7 19.1





#42

Toluene

Concen: 4.582 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

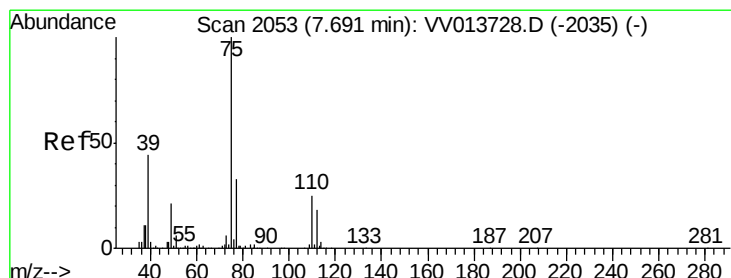
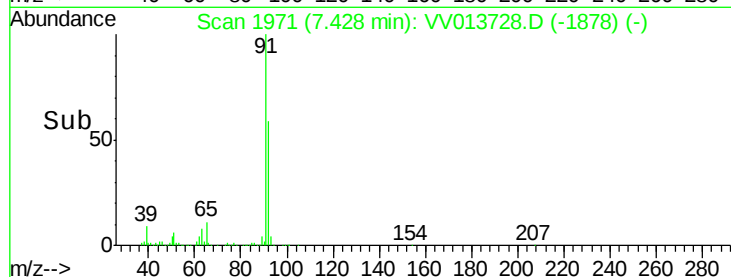
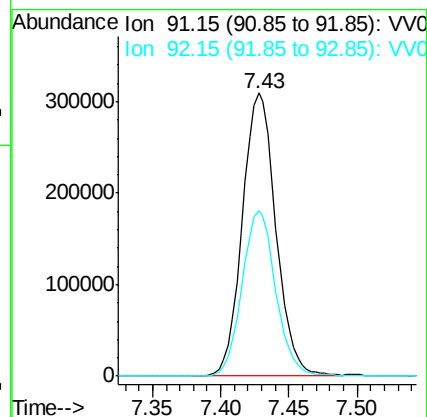
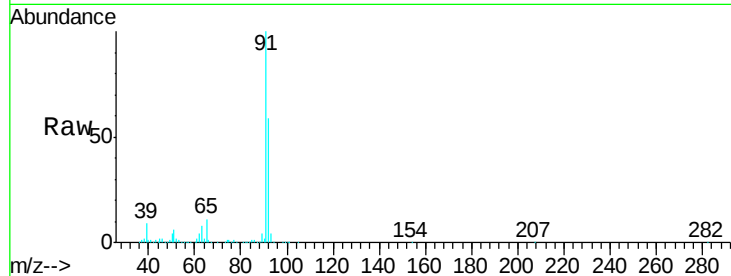
VSTD00534

Tgt Ion: 91 Resp: 527743

Ion Ratio Lower Upper

91 100

92 58.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 4.575 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013728.D

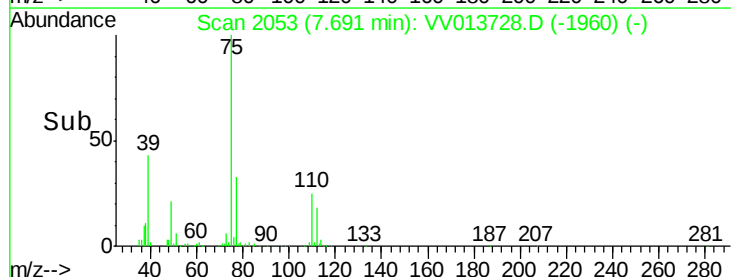
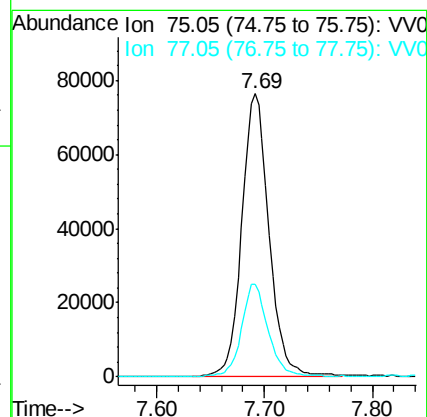
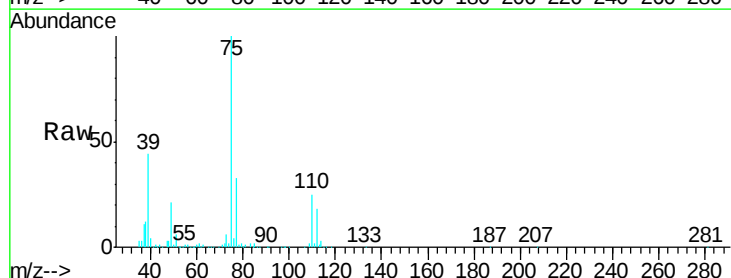
Acq: 22 Nov 2019 11:09

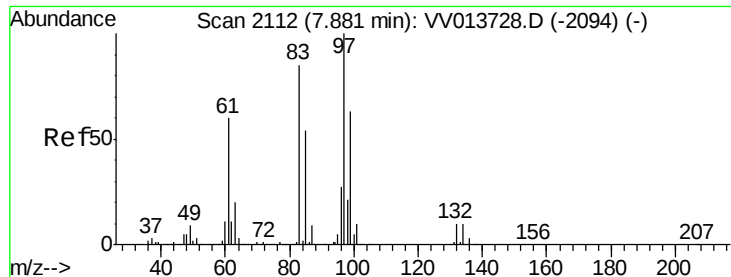
Tgt Ion: 75 Resp: 135001

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8

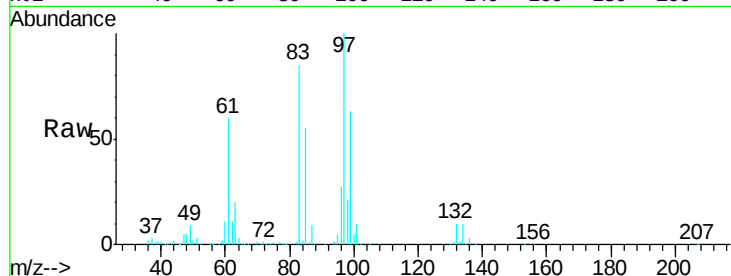




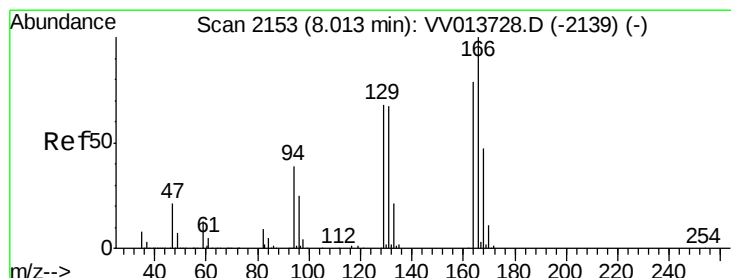
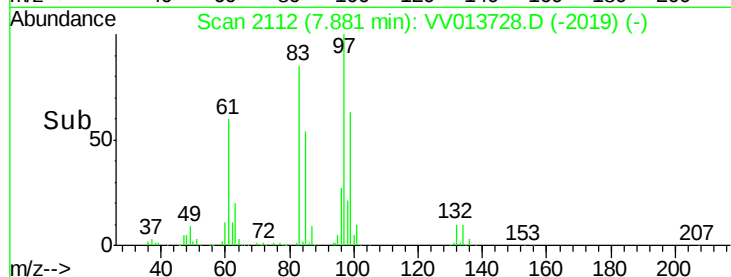
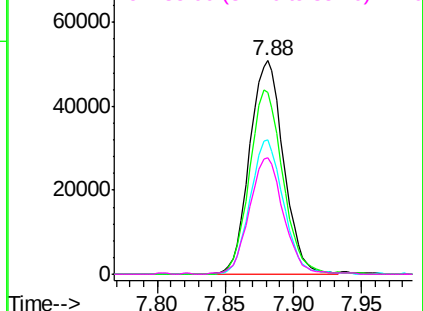
#45
 1,1,2-Trichloroethane
 Concen: 4.697 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion:	97	Resp:	88396
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.0
83	85.3	59.7	110.9
85	54.7	38.3	71.1

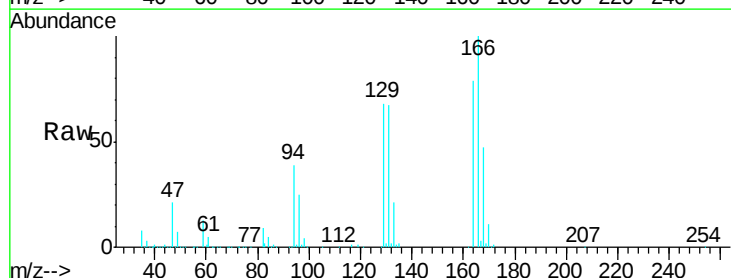


Abundance Ion 96.95 (96.65 to 97.65): VV013728.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV013728.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV013728.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV013728.D (-2094) (-)

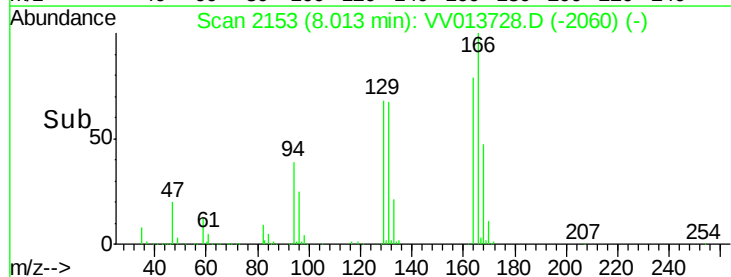
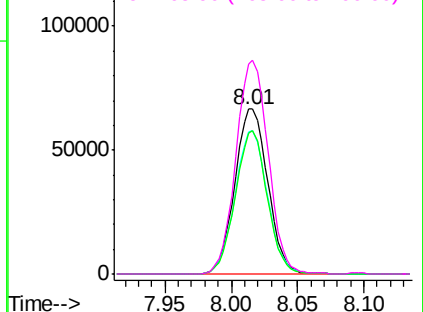


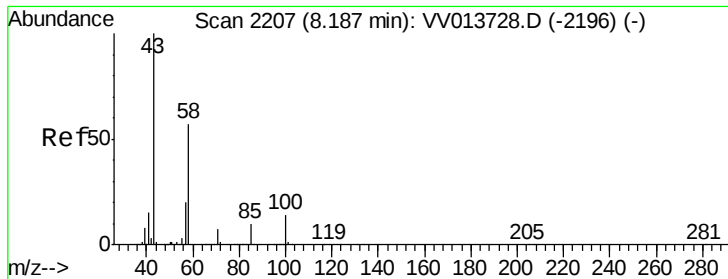
#47
 Tetrachloroethene
 Concen: 4.305 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Tgt Ion:	164	Resp:	114833
Ion	Ratio	Lower	Upper
164	100		
129	86.2	60.3	112.1
131	85.6	59.9	111.3
166	127.3	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV013728.D (-2139) (-)
 Ion 128.95 (128.65 to 129.65): VV013728.D (-2139) (-)
 Ion 130.95 (130.65 to 131.65): VV013728.D (-2139) (-)
 Ion 165.90 (165.60 to 166.60): VV013728.D (-2139) (-)

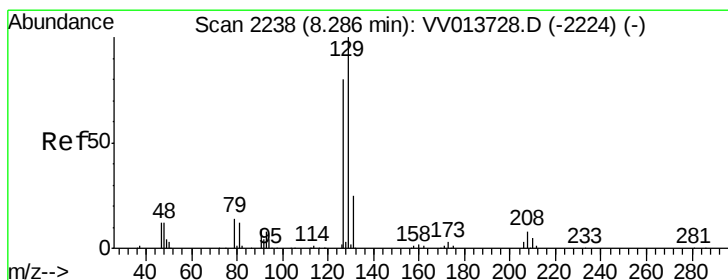
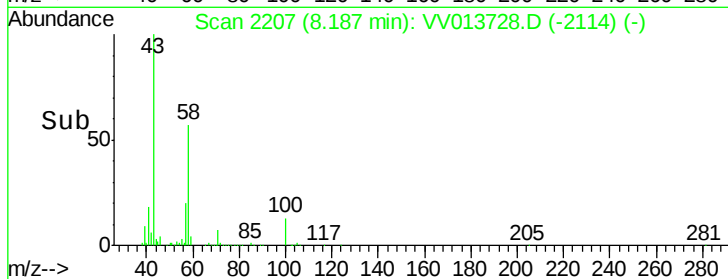
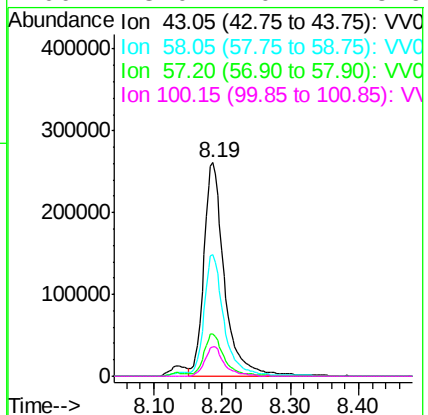
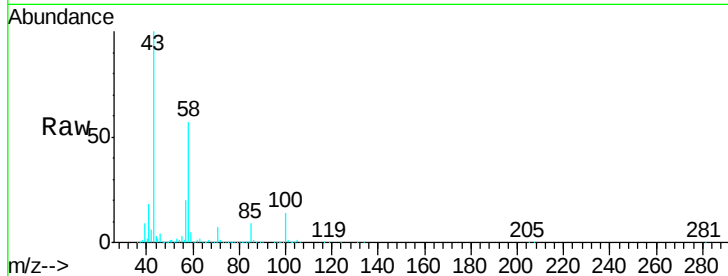




#48
2-Hexanone
Concen: 50.016 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

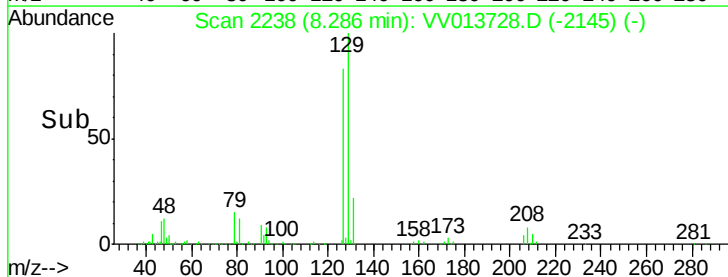
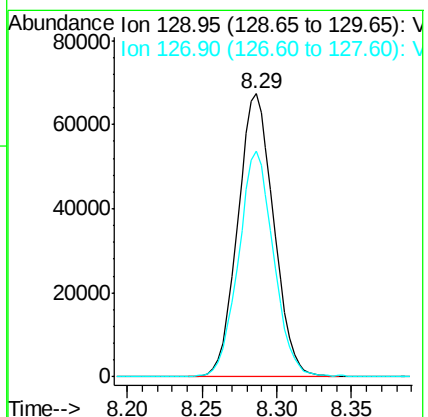
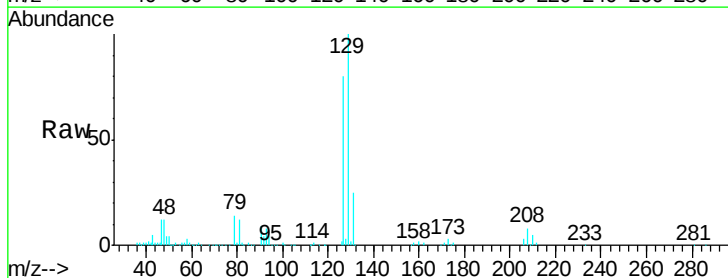
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

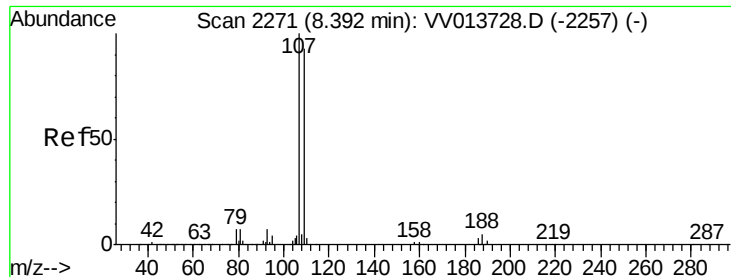
Tgt Ion:	43	Resp:	543429
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.2	64.8
57	19.3	15.4	23.2
100	13.0	10.4	15.6



#49
Dibromochloromethane
Concen: 4.691 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

Tgt Ion:	129	Resp:	112705
Ion	Ratio	Lower	Upper
129	100		
127	79.6	55.7	103.5

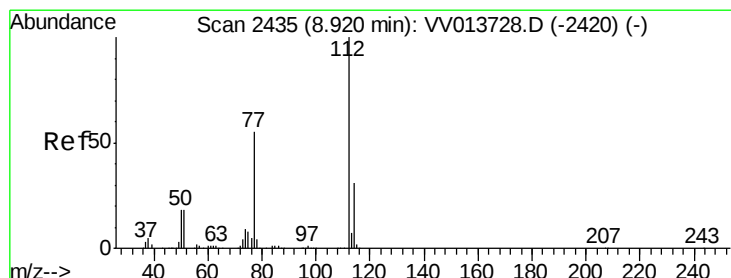
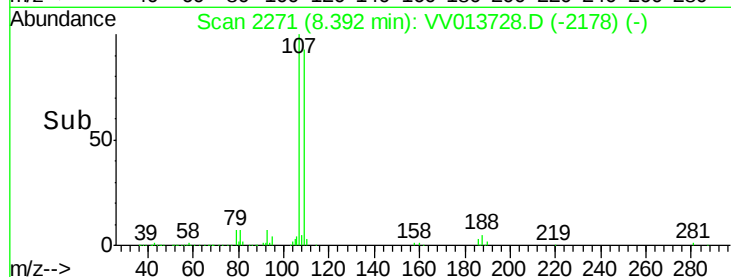
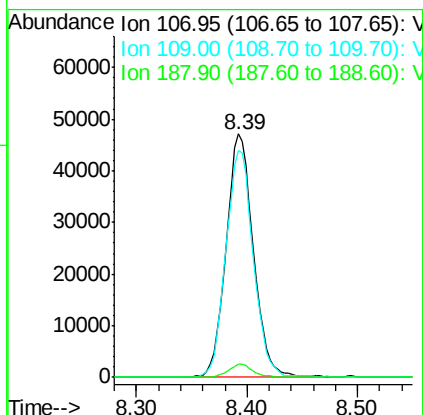
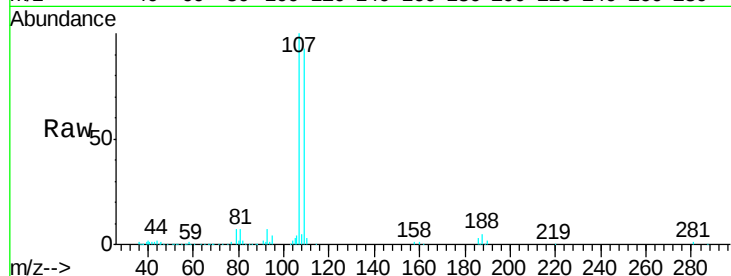




#50
1,2-Dibromoethane
Concen: 4.497 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

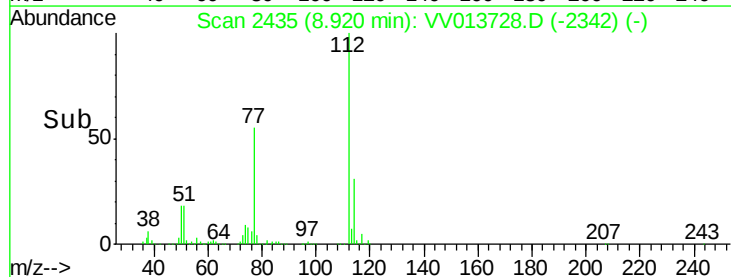
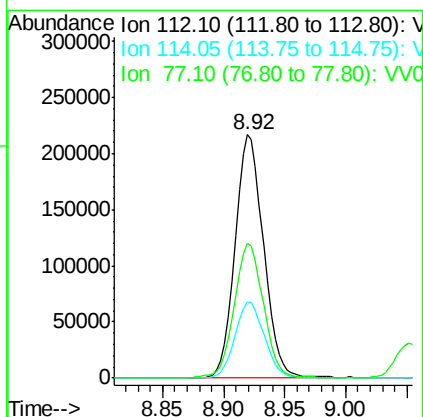
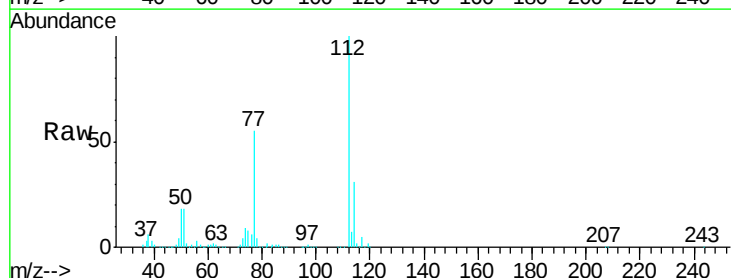
Instrument :
MSVOA_V
ClientSampleId :
VSTD00534

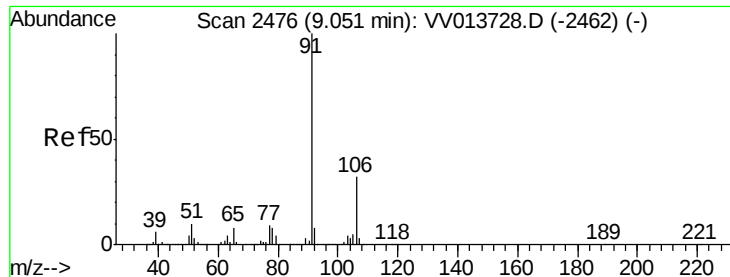
Tgt Ion:107 Resp: 80810
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 5.2 4.2 6.2



#51
Chlorobenzene
Concen: 4.553 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013728.D
Acq: 22 Nov 2019 11:09

Tgt Ion:112 Resp: 351201
Ion Ratio Lower Upper
112 100
114 31.2 21.8 40.6
77 55.3 44.2 66.4





#52

Ethylbenzene

Concen: 4.572 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

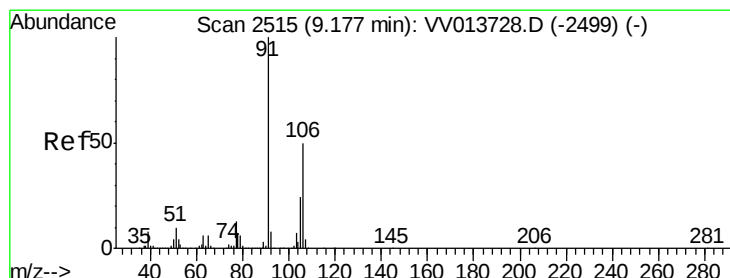
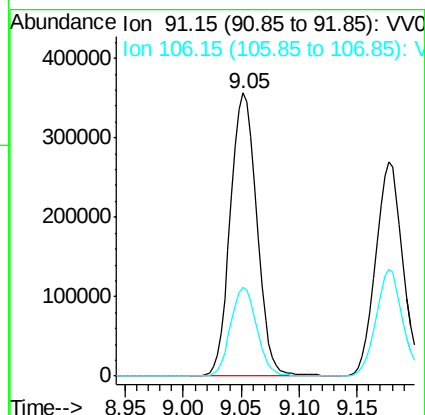
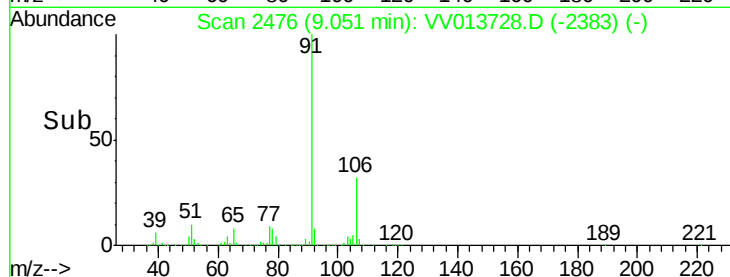
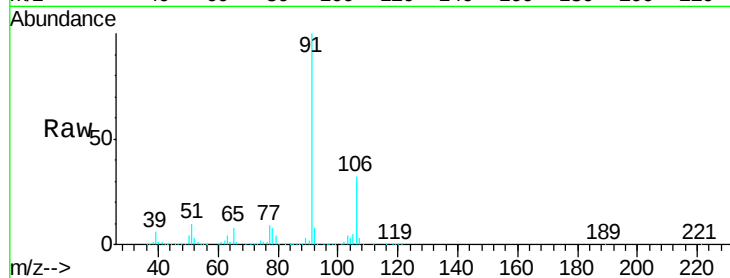
VSTD00534

Tgt Ion: 91 Resp: 564775

Ion Ratio Lower Upper

91 100

106 31.6 22.1 41.1



#53

m,p-xylene

Concen: 4.674 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013728.D

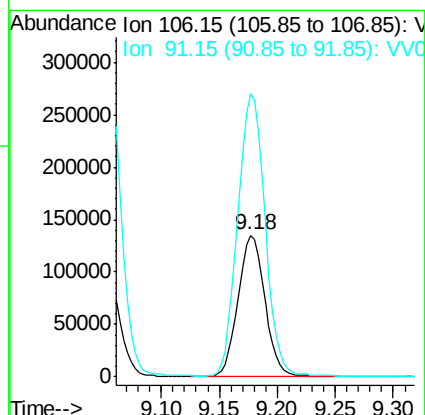
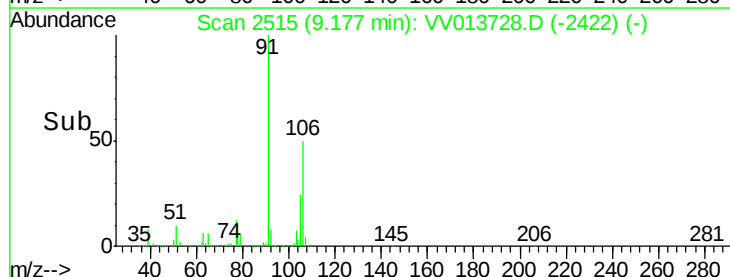
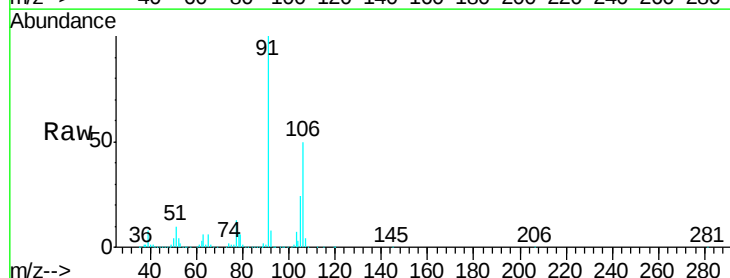
Acq: 22 Nov 2019 11:09

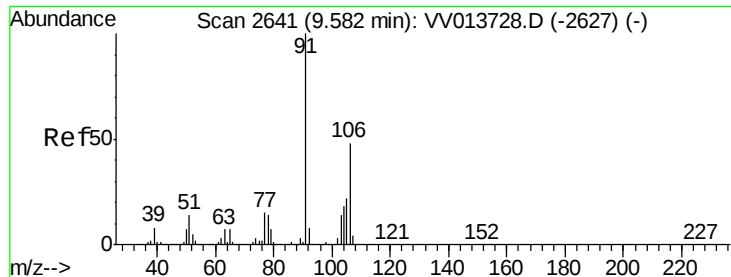
Tgt Ion: 106 Resp: 216384

Ion Ratio Lower Upper

106 100

91 199.9 139.9 259.9





#54

o-xylene

Concen: 4.795 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

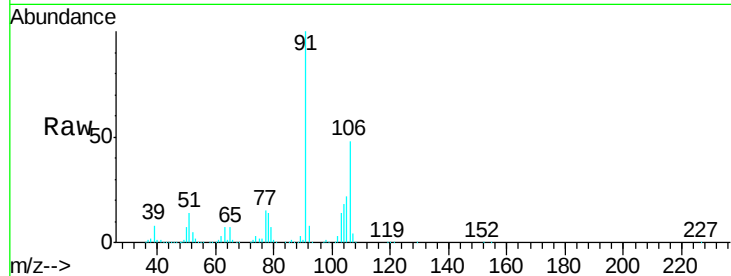
VSTD00534

Tgt Ion:106 Resp: 215387

Ion Ratio Lower Upper

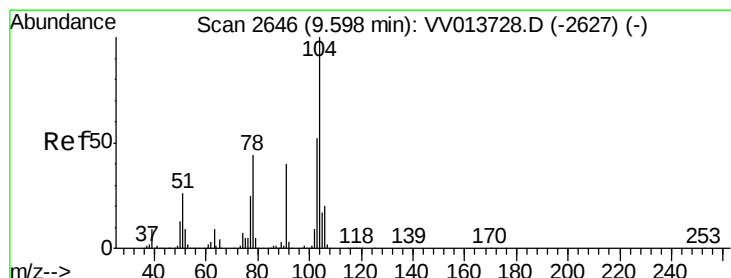
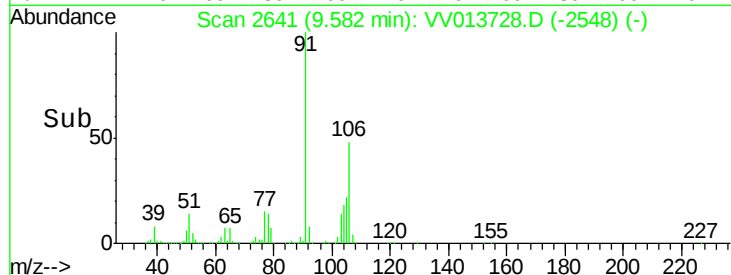
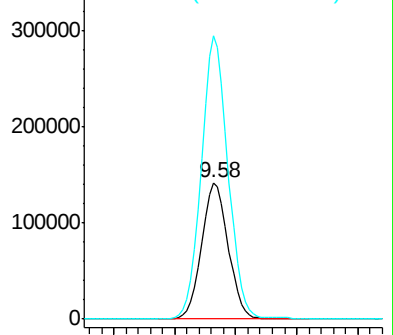
106 100

91 207.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.943 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013728.D

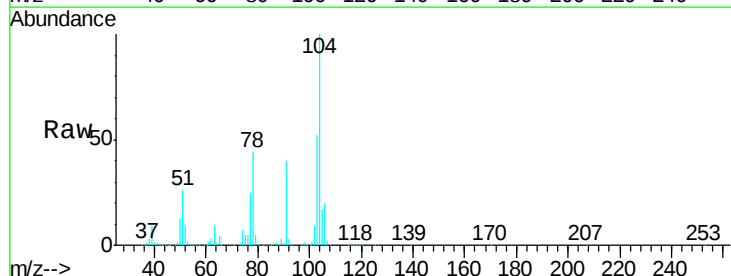
Acq: 22 Nov 2019 11:09

Tgt Ion:104 Resp: 376335

Ion Ratio Lower Upper

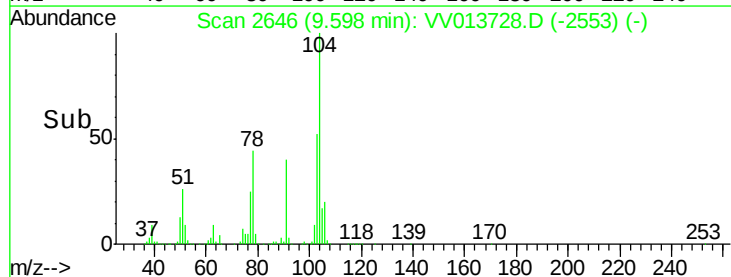
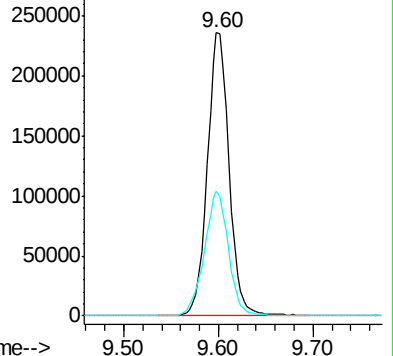
104 100

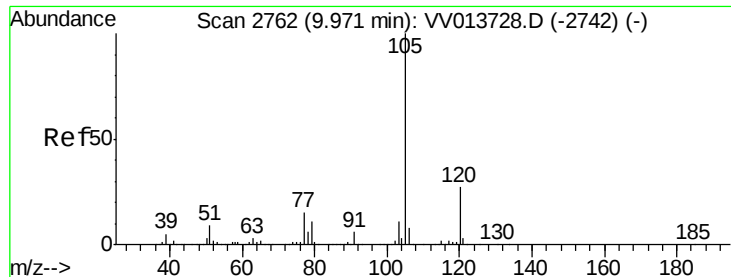
78 44.3 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.886 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

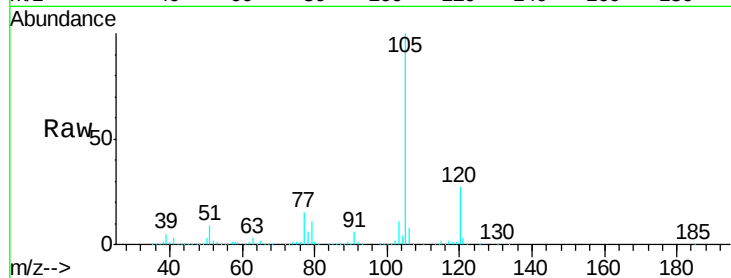
Tgt Ion: 105 Resp: 586794

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

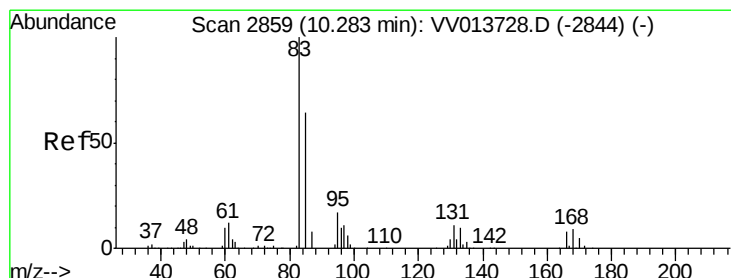
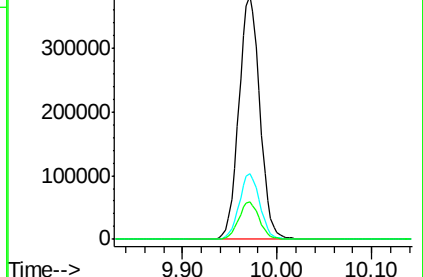
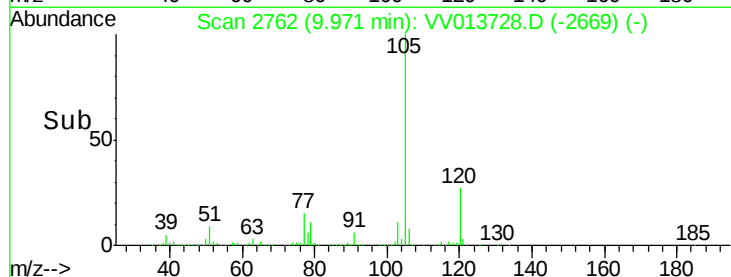
77 15.1 12.1 18.1



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: 4.706 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

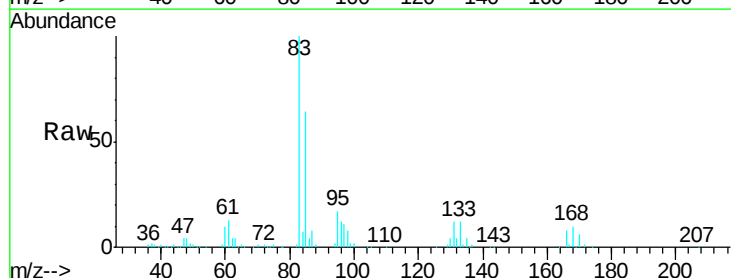
Tgt Ion: 83 Resp: 97954

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

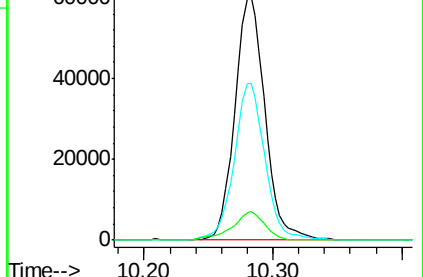
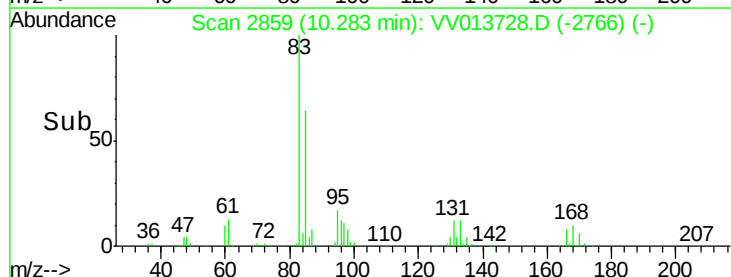
131 11.6 9.3 13.9

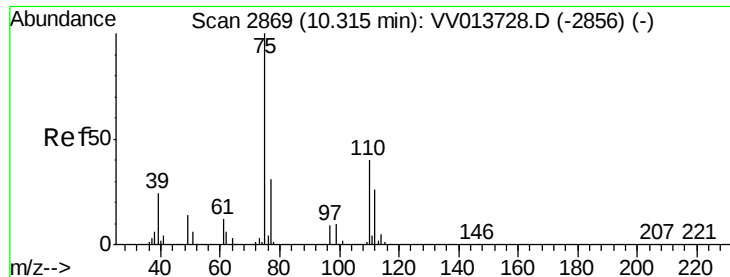


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.732 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

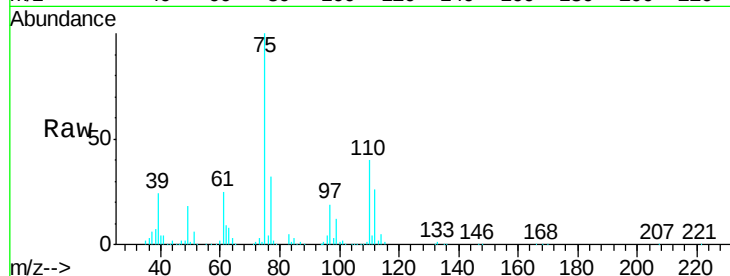
VSTD00534

Tgt Ion: 75 Resp: 77007

Ion Ratio Lower Upper

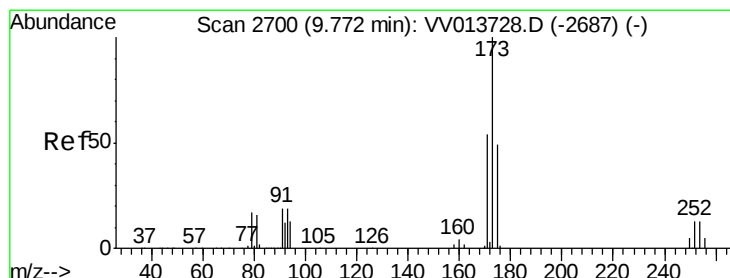
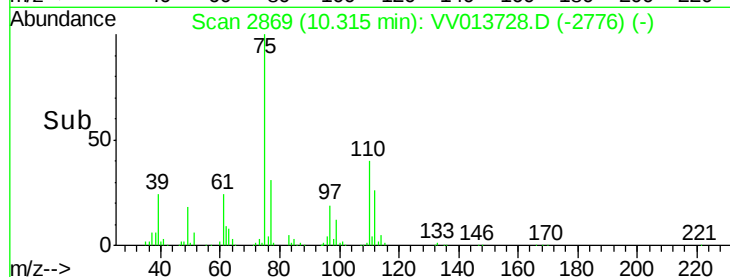
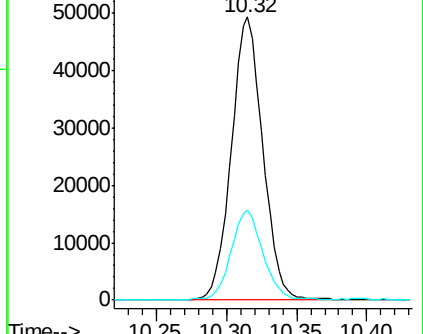
75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 4.466 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

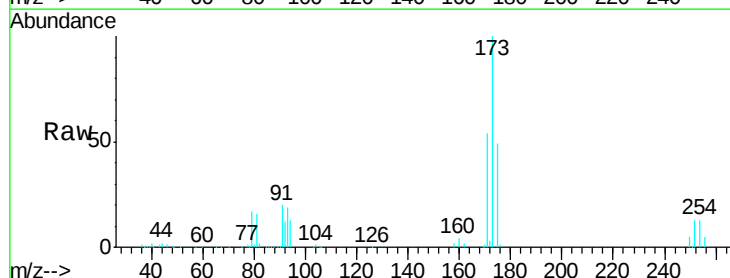
Tgt Ion: 173 Resp: 68167

Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

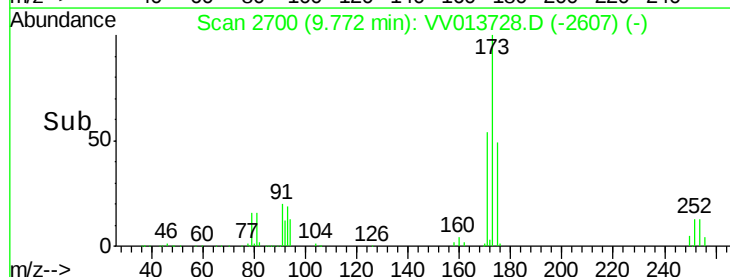
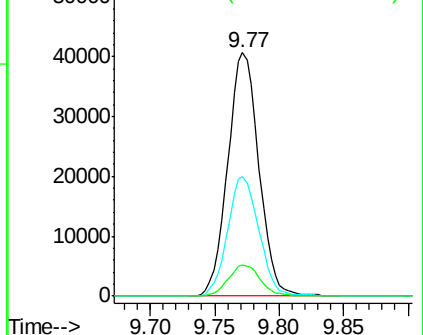
254 13.0 10.4 15.6

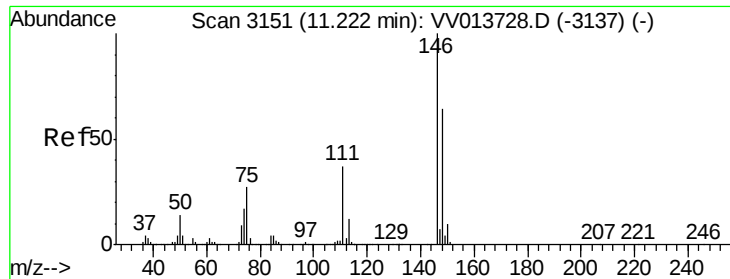


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 4.606 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

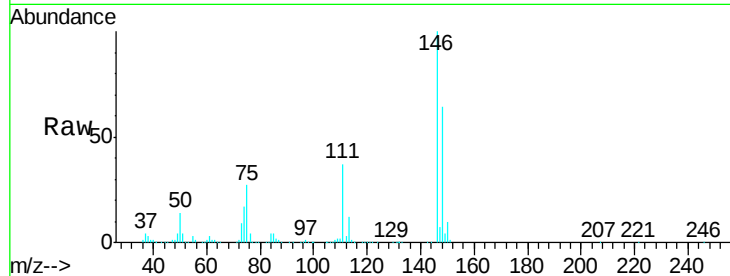
Tgt Ion:146 Resp: 317118

Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.6

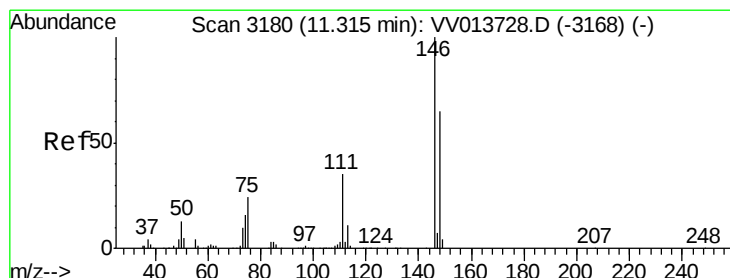
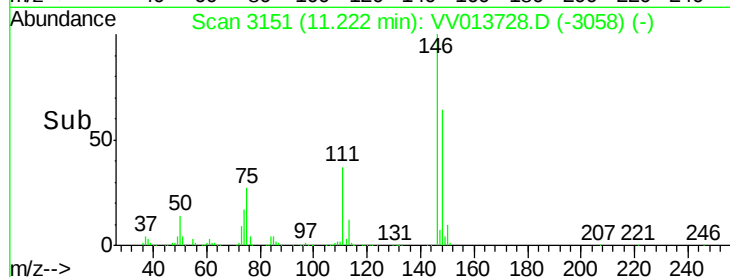
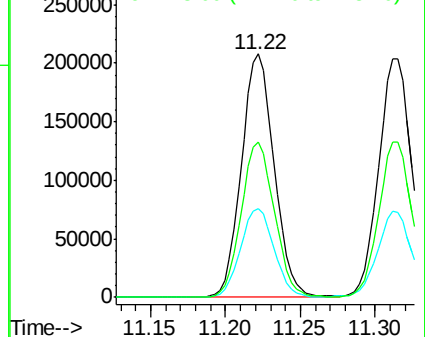
148 63.8 44.7 82.9



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: 4.506 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

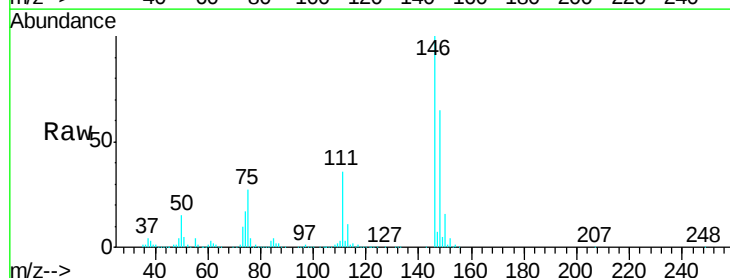
Tgt Ion:146 Resp: 314758

Ion Ratio Lower Upper

146 100

111 35.7 25.0 46.4

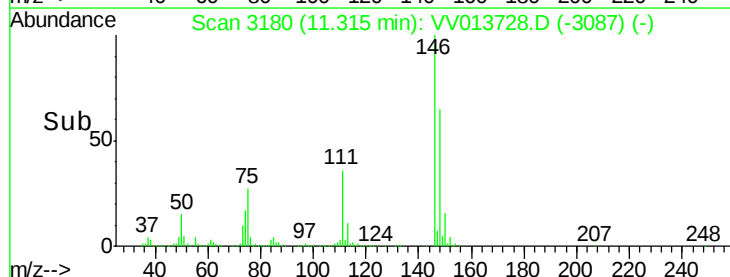
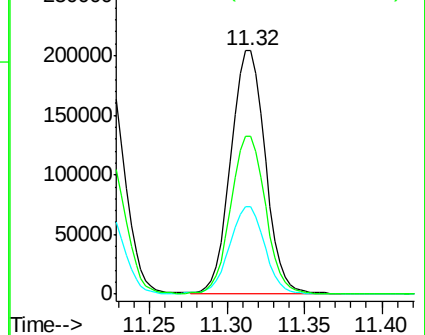
148 64.8 45.4 84.2

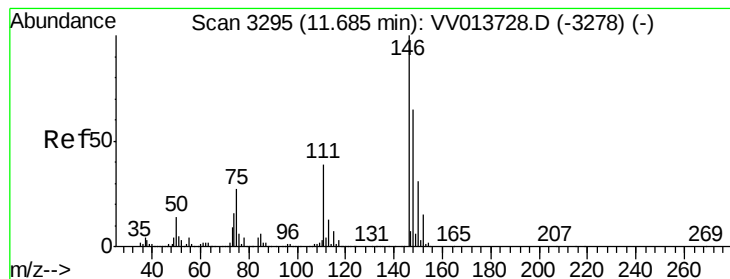


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.535 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

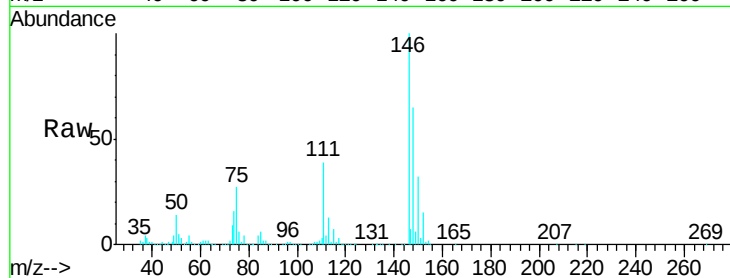
Tgt Ion:146 Resp: 290284

Ion Ratio Lower Upper

146 100

111 39.1 31.3 46.9

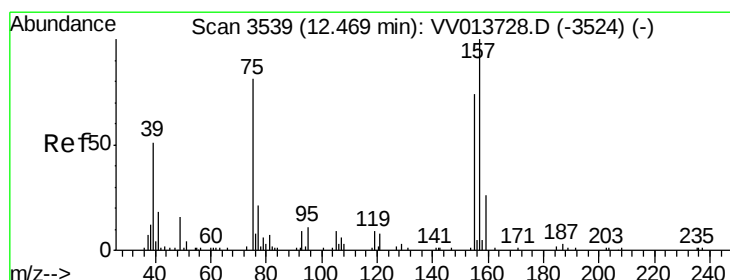
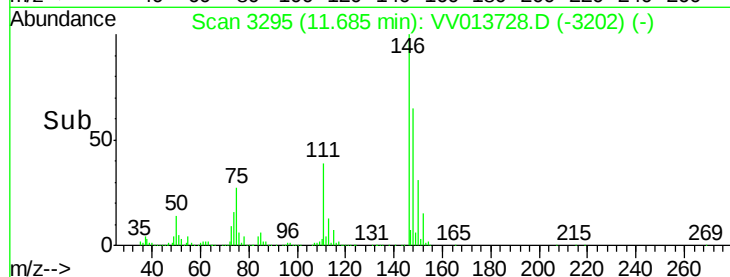
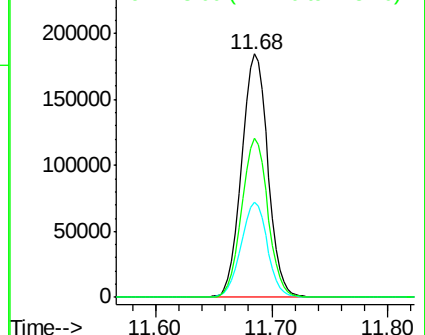
148 65.2 52.2 78.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.223 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

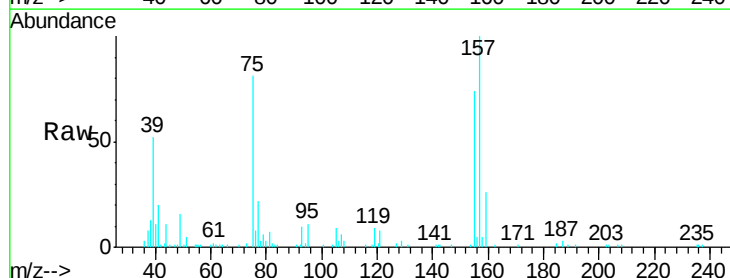
Tgt Ion: 75 Resp: 16148

Ion Ratio Lower Upper

75 100

155 91.7 73.4 110.0

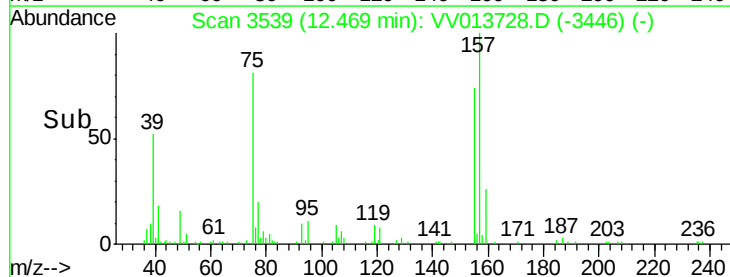
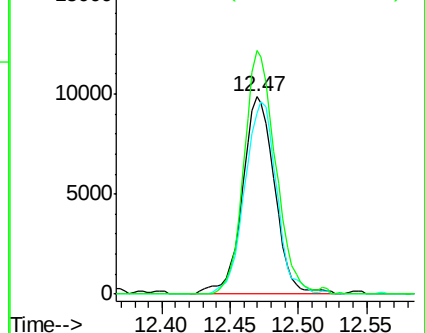
157 123.4 98.7 148.1

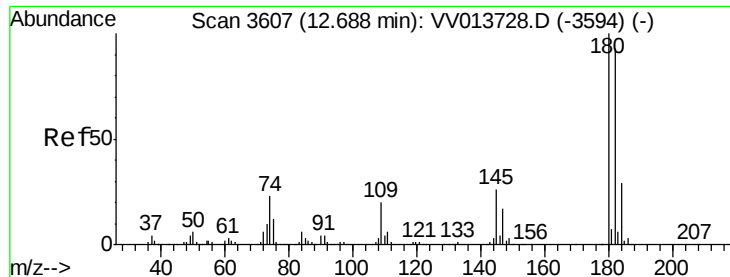


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

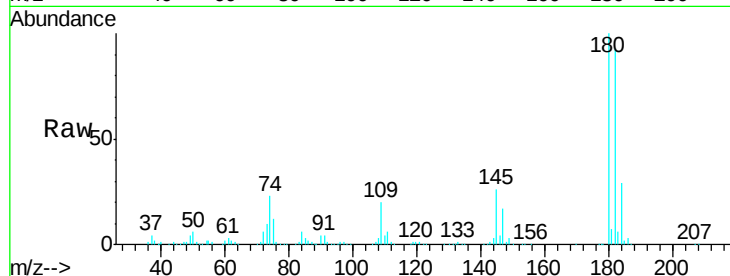




#67
 1,3,5-Trichlorobenzene
 Concen: 4.573 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	29.0	23.2	34.8
145	26.6	21.3	31.9

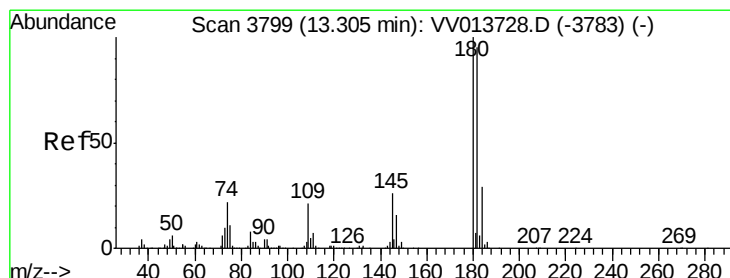
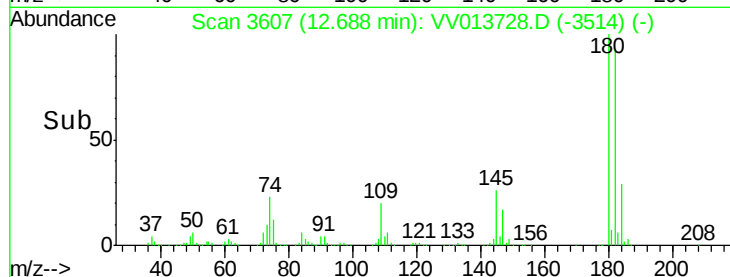
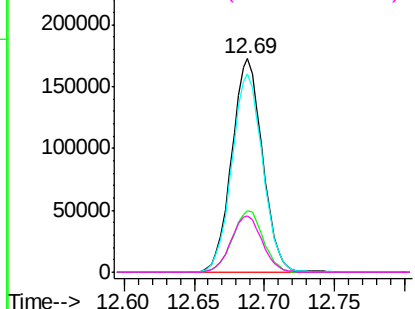


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

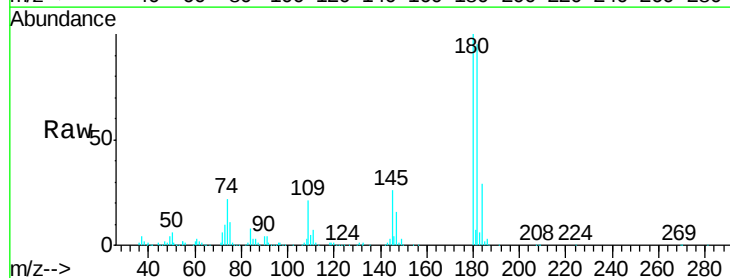
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.479 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013728.D
 Acq: 22 Nov 2019 11:09

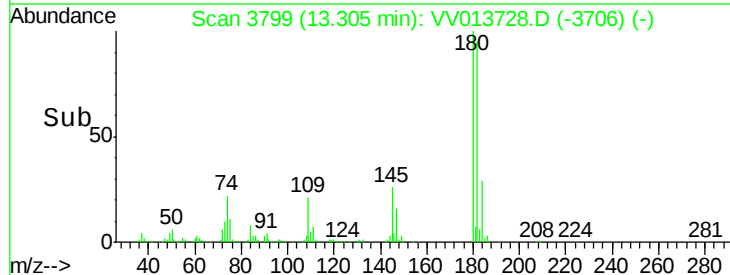
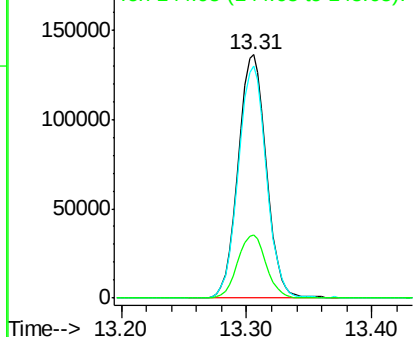
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	26.3	21.0	31.6

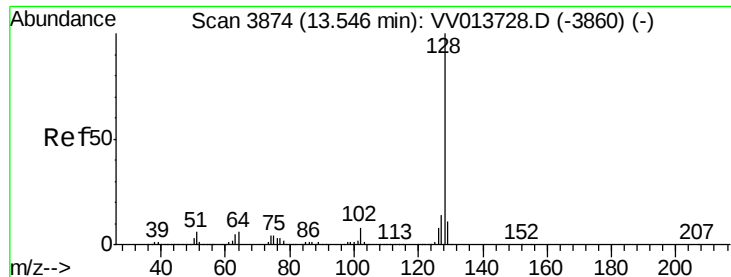


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.283 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD00534

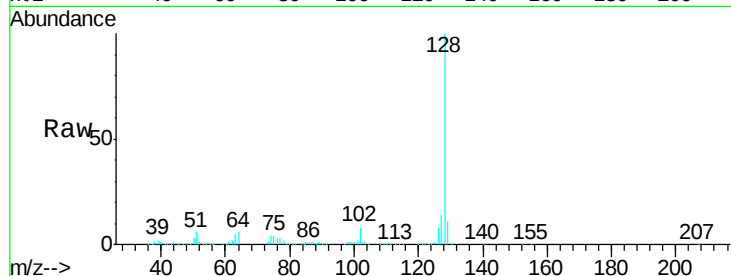
Tgt Ion:128 Resp: 276049

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

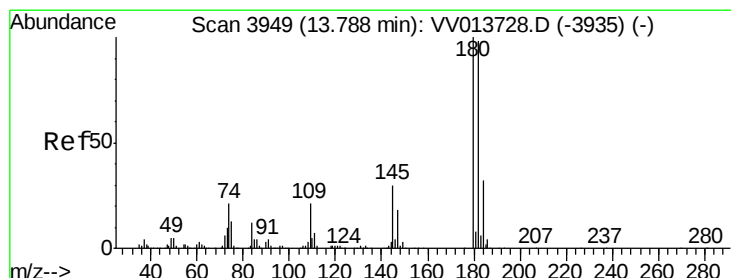
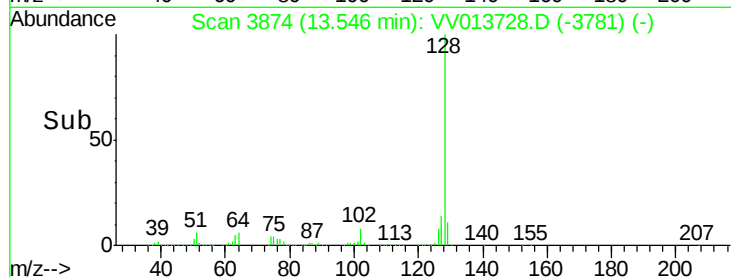
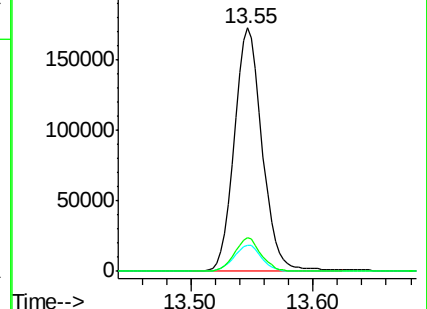
127 13.3 10.6 16.0



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: 4.457 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013728.D

Acq: 22 Nov 2019 11:09

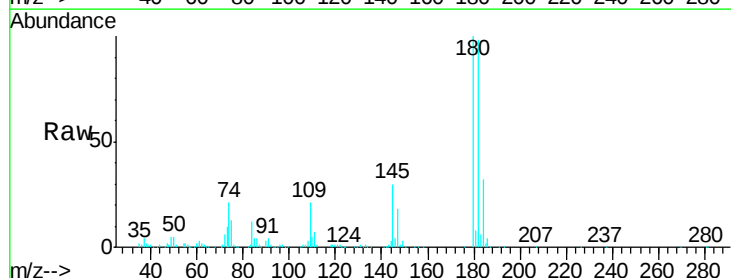
Tgt Ion:180 Resp: 190700

Ion Ratio Lower Upper

180 100

182 98.1 78.5 117.7

145 29.8 23.8 35.8



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

