

Data File : VV014710.D
Acq On : 28 Feb 2020 15:46
Operator : SY/MD
Sample : VSTD0.532
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Quant Time: Feb 28 22:40:24 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 28 22:38:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	271280	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	256091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	129154	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9521	0.56	ug/L	0.00
7) Chloroethane-d5	1.58	69	8151	0.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	16781	0.65	ug/L	0.00
20) 2-Butanone-d5	4.01	46	8456	2.43	ug/L	0.04
24) Chloroform-d	4.40	84	17494	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	8520	0.54	ug/L	0.00
32) Benzene-d6	5.10	84	33050	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	11172	0.50	ug/L	0.00
41) Toluene-d8	7.36	98	31362	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3822	0.42	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	14937	4.44	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	8085	0.53	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	11564	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	14872	0.634 ug/L	100
3) Chloromethane	1.25	50	13673	0.715 ug/L	99
5) Vinyl chloride	1.32	62	12091	0.646 ug/L	95
6) Bromomethane	1.53	94	6947	0.932 ug/L	99
8) Chloroethane	1.60	64	7646	0.797 ug/L	100
9) Trichlorofluoromethane	1.77	101	17226	0.703 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	8936	0.674 ug/L	98
12) 1,1-Dichloroethene	2.14	96	8153	0.662 ug/L	92
13) Acetone	2.24	43	14861	6.611 ug/L	89
14) Carbon disulfide	2.32	76	29657	0.528 ug/L	98
16) Methylene chloride	2.53	84	12384	0.574 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	22259	0.538 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	10208	0.528 ug/L	93
19) 1,1-Dichloroethane	3.23	63	20081	0.562 ug/L	92
21) 2-Butanone	4.07	43	8065	2.083 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	10313	0.495 ug/L	98
23) Bromochloromethane	4.30	128	4306	0.545 ug/L	89
25) Chloroform	4.42	83	20410	0.572 ug/L	97
27) 1,2-Dichloroethane	5.18	62	12422	0.628 ug/L	93
29) 1,1,1-Trichloroethane	4.65	97	16641	0.537 ug/L	96
30) Cyclohexane	4.72	56	18789	0.527 ug/L	94
31) Carbon tetrachloride	4.87	117	14304	0.539 ug/L	99
33) Benzene	5.14	78	40292	0.497 ug/L	100
34) Trichloroethene	5.96	95	11422	0.539 ug/L	91
35) Methylcyclohexane	6.17	83	17979	0.491 ug/L	95
37) 1,2-Dichloropropane	6.22	63	10749	0.530 ug/L	97
38) Bromodichloromethane	6.55	83	12378	0.503 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	13921	0.463 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	59316	5.226 ug/L	99
42) Toluene	7.43	91	41799	0.483 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.69	75	10859	0.472	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	6514	0.499	ug/L	95
47) Tetrachloroethene	8.01	164	8446	0.539	ug/L	91
48) 2-Hexanone	8.19	43	39393	4.956	ug/L	99
49) Dibromochloromethane	8.29	129	6852	0.443	ug/L	97
50) 1,2-Dibromoethane	8.39	107	6400	0.527	ug/L #	98
51) Chlorobenzene	8.92	112	27445	0.511	ug/L	95
52) Ethylbenzene	9.05	91	46674	0.480	ug/L	98
53) m,p-xylene	9.18	106	16758	0.465	ug/L	100
54) o-xylene	9.58	106	16207	0.461	ug/L	96
55) Styrene	9.60	104	26434	0.454	ug/L	97
56) Isopropylbenzene	9.97	105	42741	0.460	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	7772	0.505	ug/L #	88
59) 1,2,3-Trichloropropane	10.32	75	6220	0.550	ug/L	91
61) Bromoform	9.77	173	3086	0.396	ug/L #	90
62) 1,3-Dichlorobenzene	11.22	146	20423	0.480	ug/L	94
63) 1,4-Dichlorobenzene	11.31	146	22814	0.538	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	20353	0.529	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	1453	0.492	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	16330	0.507	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	14424	0.534	ug/L	99
69) Naphthalene	13.55	128	21993	0.469	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	12923	0.548	ug/L	98

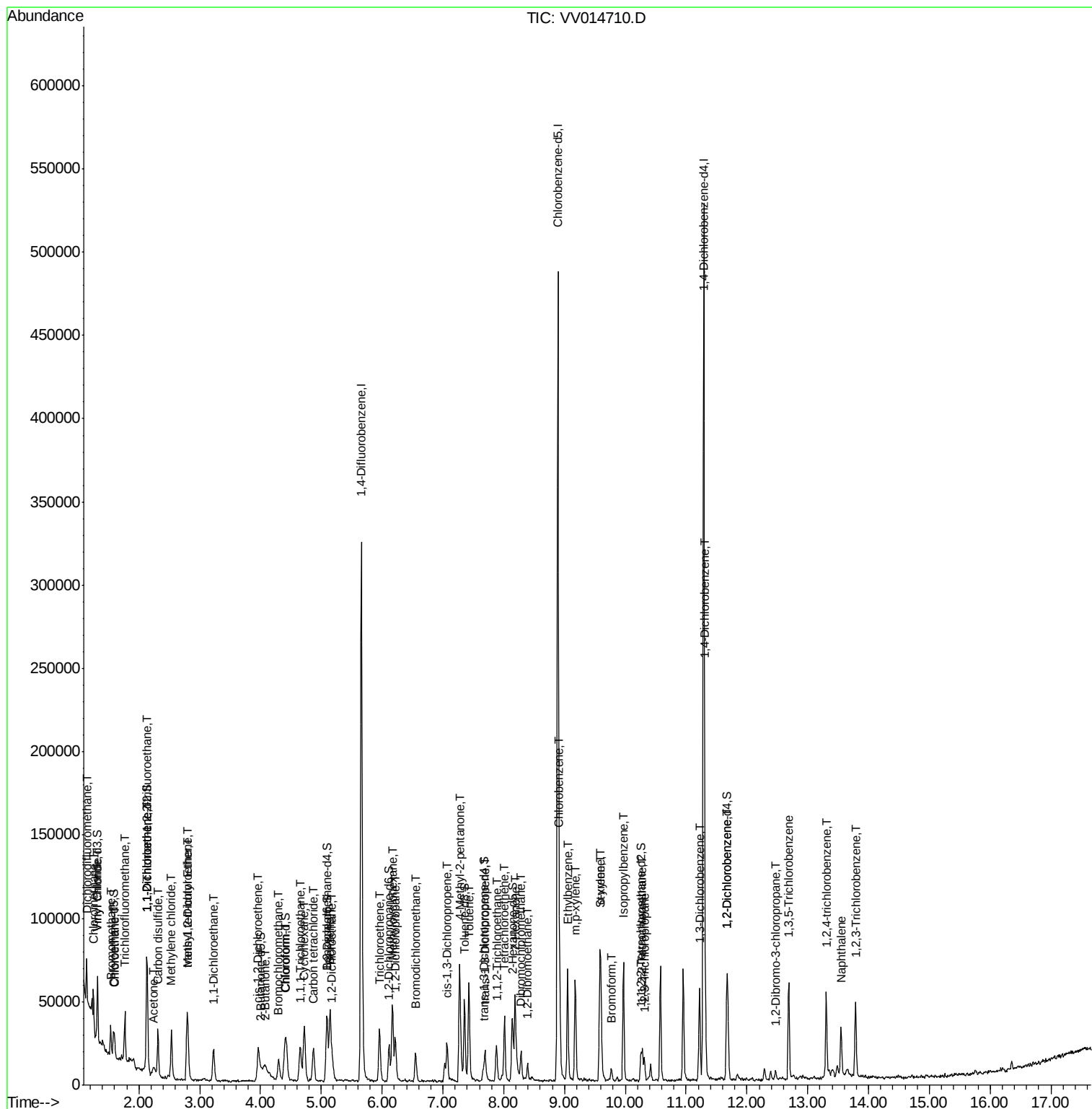
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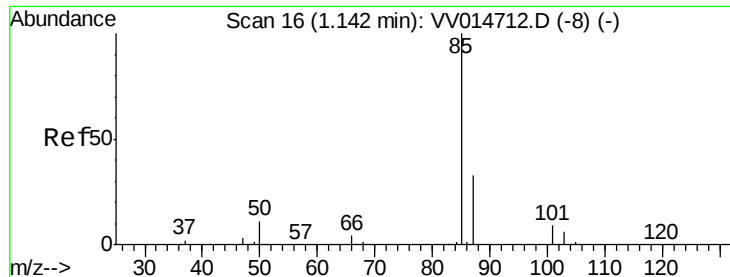
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```
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#2

Dichlorodifluoromethane

Concen: 0.634 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

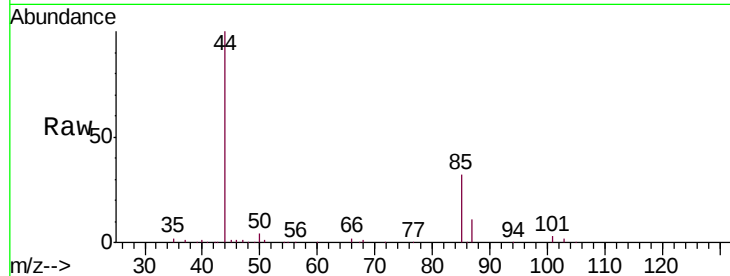
VSTD0.532

Tgt Ion: 85 Resp: 14872

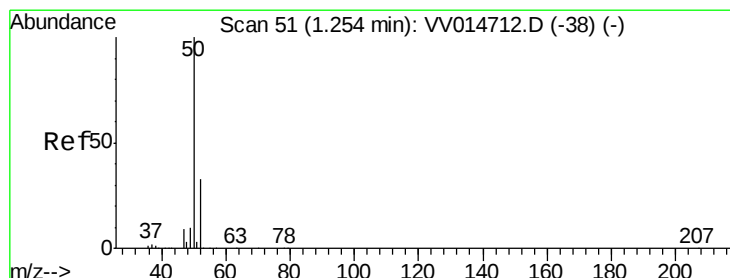
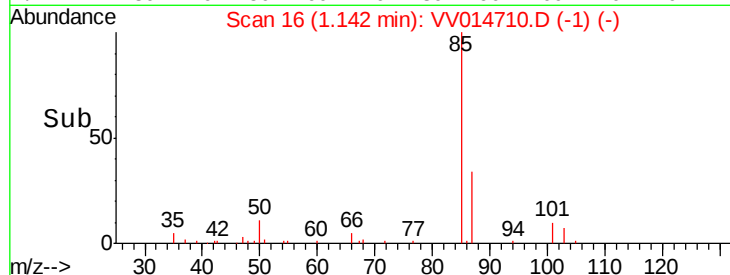
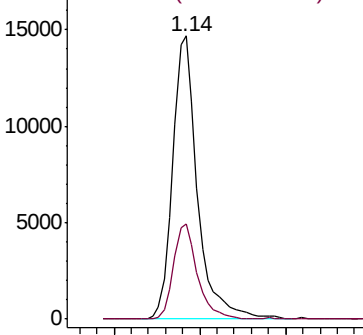
Ion Ratio Lower Upper

85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014710.D (-8) (-)



#3

Chloromethane

Concen: 0.715 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014710.D

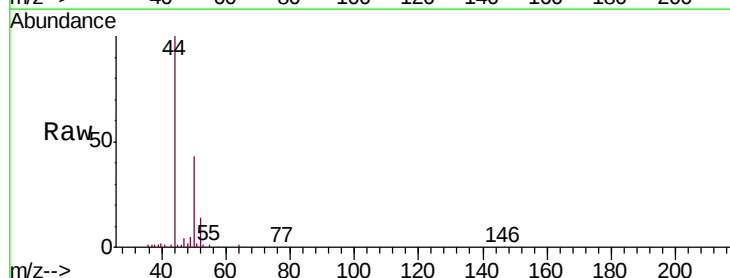
Acq: 28 Feb 2020 15:46

Tgt Ion: 50 Resp: 13673

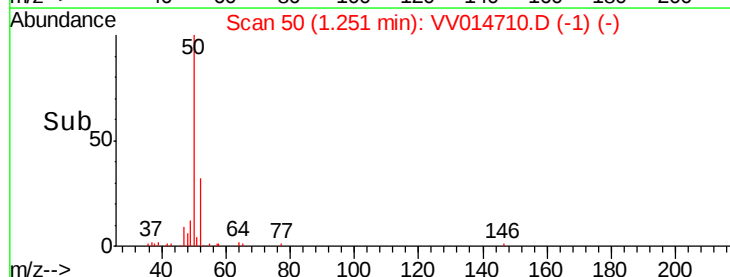
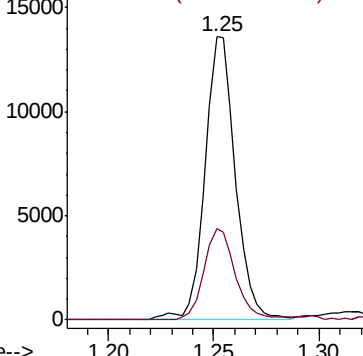
Ion Ratio Lower Upper

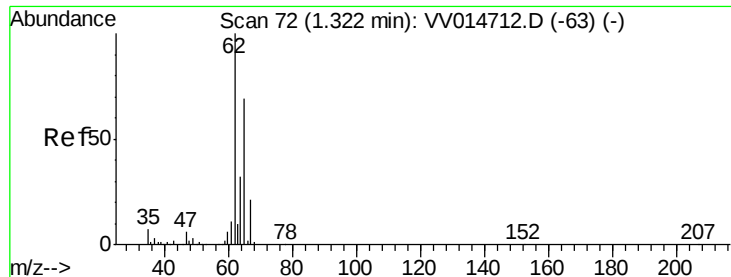
50 100

52 32.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014710.D (-38) (-)





#5

Vinyl chloride

Concen: 0.646 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampled :

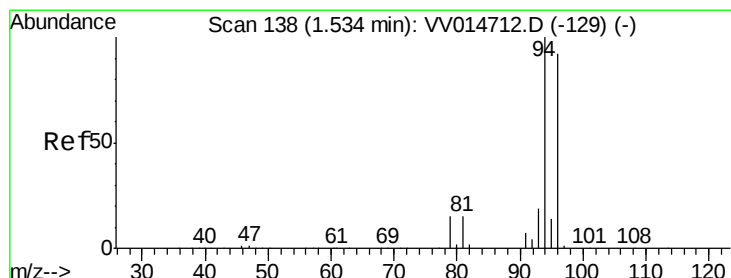
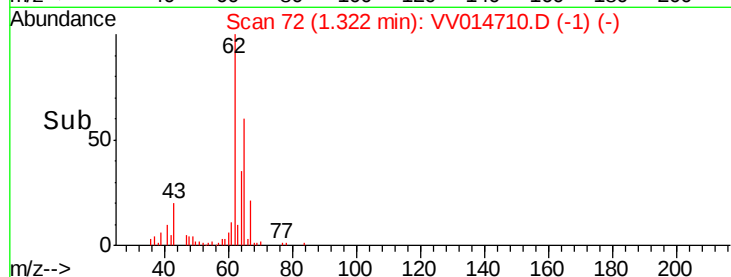
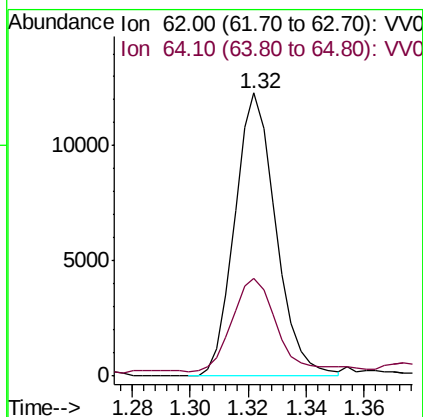
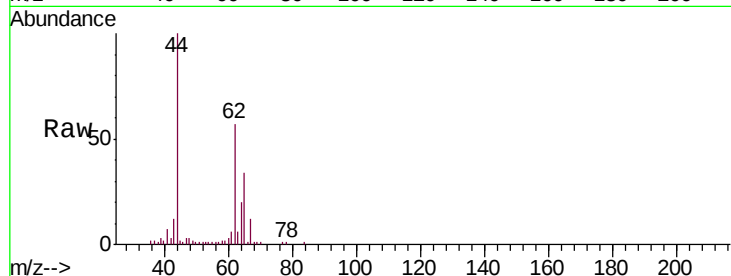
VSTD0.532

Tgt Ion: 62 Resp: 12091

Ion Ratio Lower Upper

62 100

64 34.6 22.4 41.6



#6

Bromomethane

Concen: 0.932 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014710.D

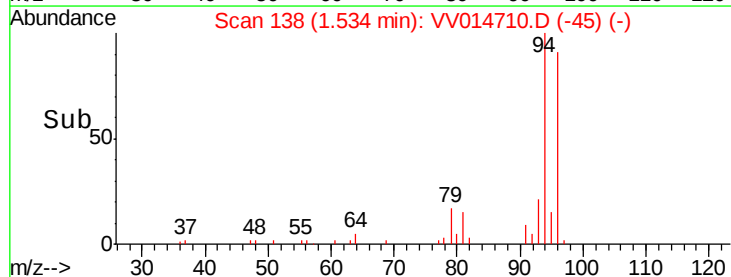
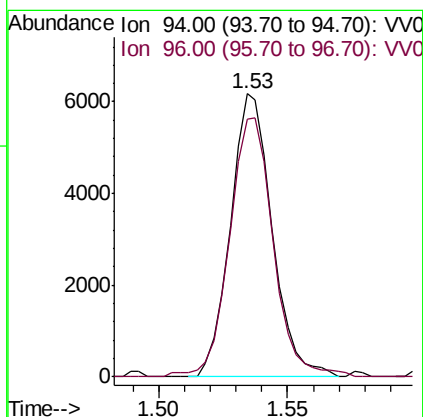
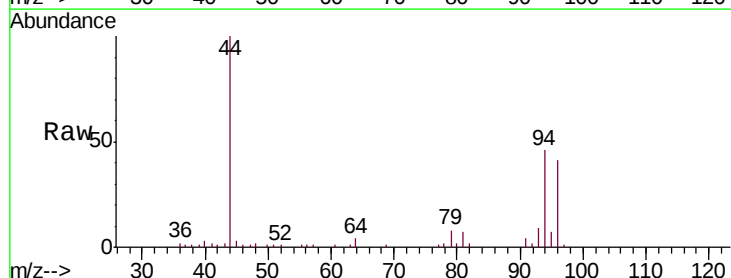
Acq: 28 Feb 2020 15:46

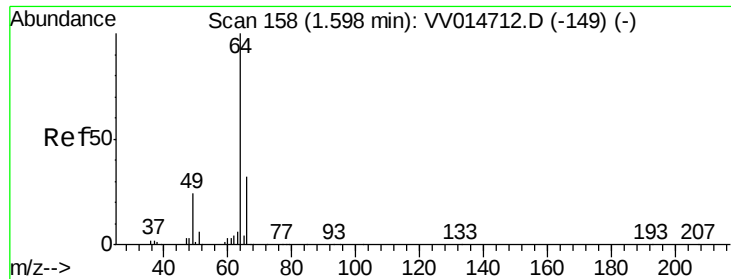
Tgt Ion: 94 Resp: 6947

Ion Ratio Lower Upper

94 100

96 91.0 64.3 119.5

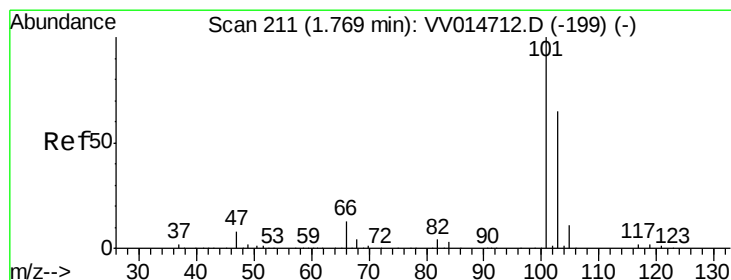
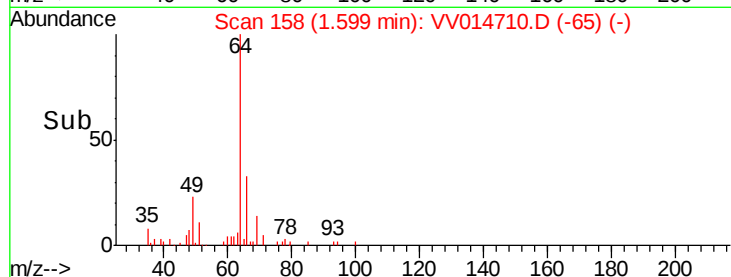
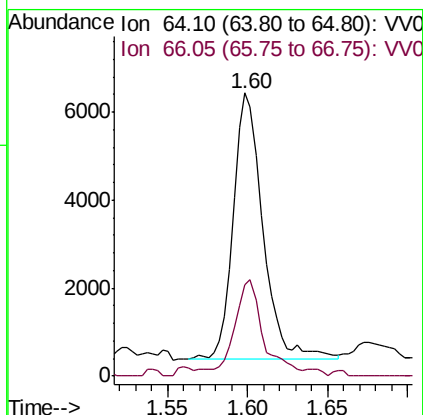
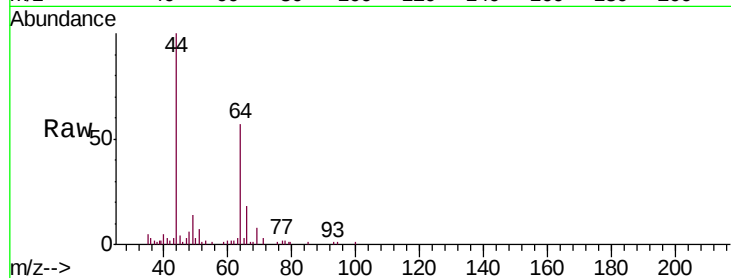




#8
Chloroethane
Concen: 0.797 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

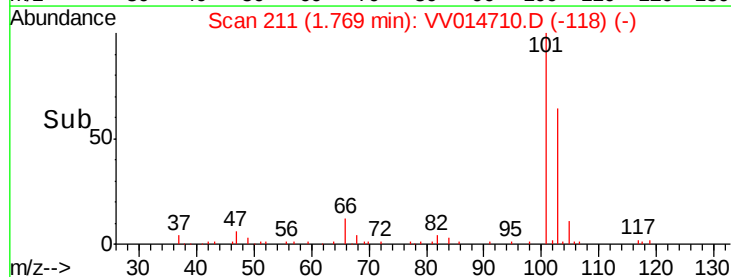
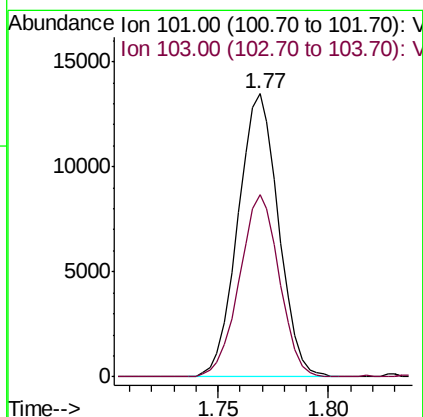
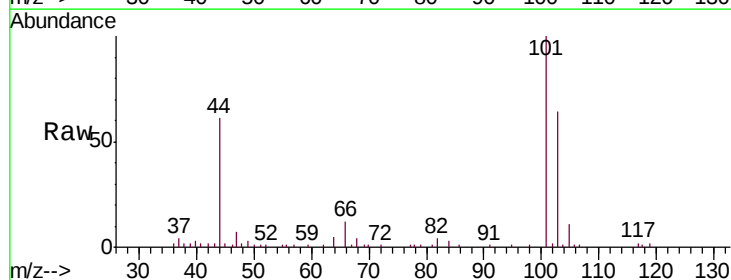
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

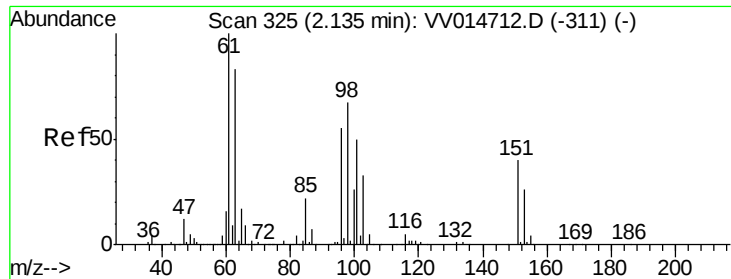
Tgt Ion: 64 Resp: 7646
Ion Ratio Lower Upper
64 100
66 32.2 22.7 42.1



#9
Trichlorofluoromethane
Concen: 0.703 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 101 Resp: 17226
Ion Ratio Lower Upper
101 100
103 63.1 51.8 77.6





#10

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

Concen: 0.674 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

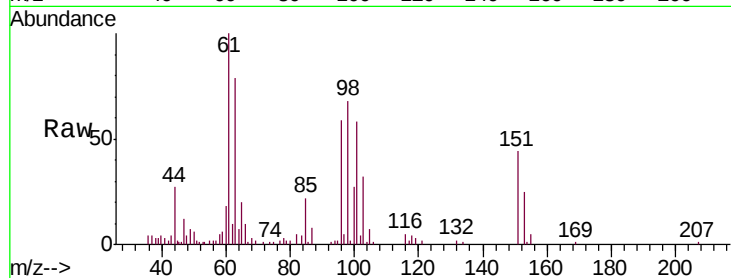
Tgt Ion:101 Resp: 8936

Ion Ratio Lower Upper

101 100

85 45.3 35.3 52.9

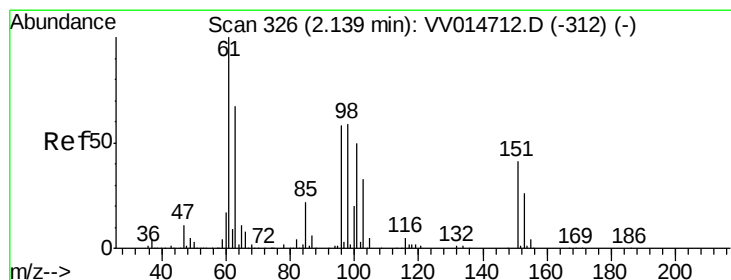
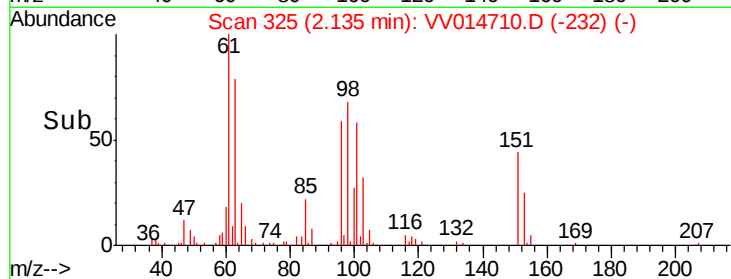
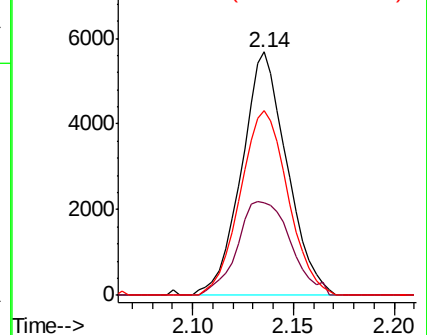
151 80.0 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): VV014710.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV014710.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV014710.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.662 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

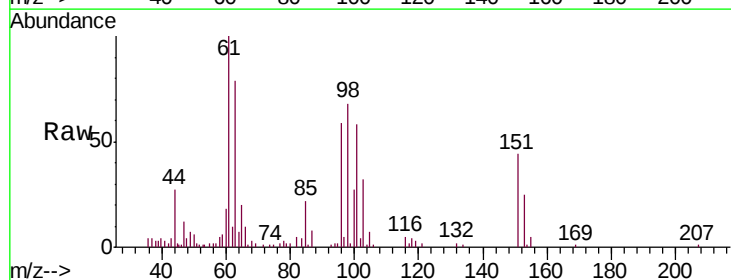
Tgt Ion: 96 Resp: 8153

Ion Ratio Lower Upper

96 100

61 170.0 121.3 225.3

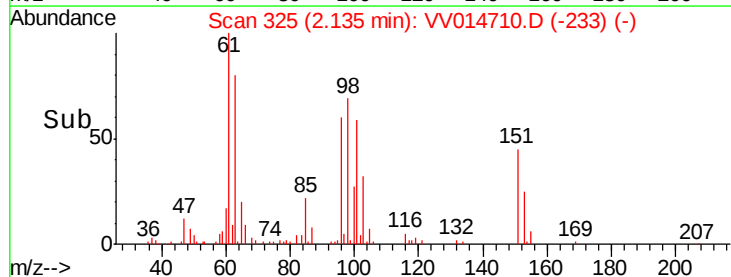
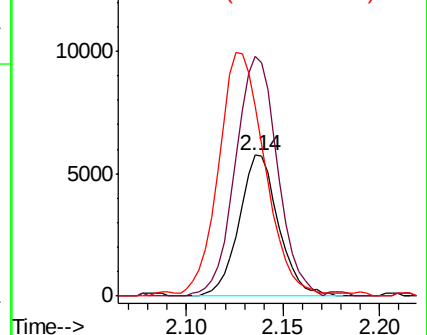
63 134.5 81.6 151.6

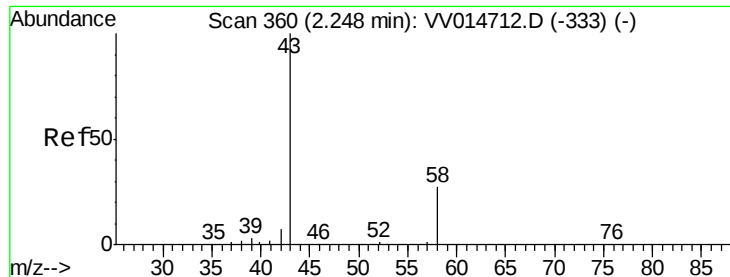


Abundance Ion 96.00 (95.70 to 96.70): VV014710.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV014710.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV014710.D (-233) (-)





#13

Acetone

Concen: 6.611 ug/L

RT: 2.24 min Scan# 356

Delta R.T. -0.01 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampled :

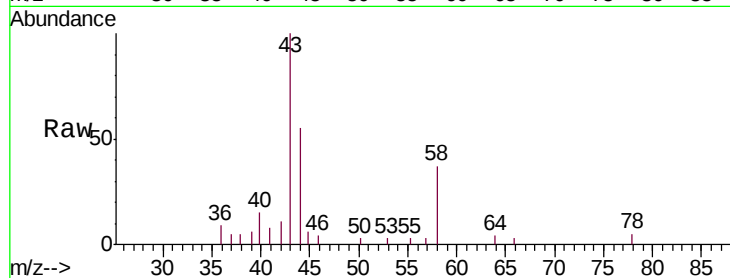
VSTD0.532

Tgt Ion: 43 Resp: 14861

Ion Ratio Lower Upper

43 100

58 14.1 0.0 20.0



Abundance Ion 43.05 (42.75 to 43.75): VV014710.D (-267) (-)

Ion 58.05 (57.75 to 58.75): VV014710.D (-267) (-)

2.24

4000

3000

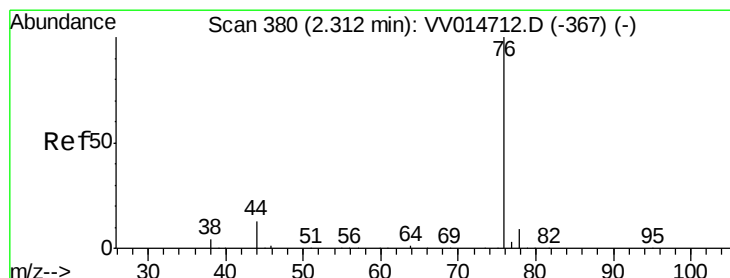
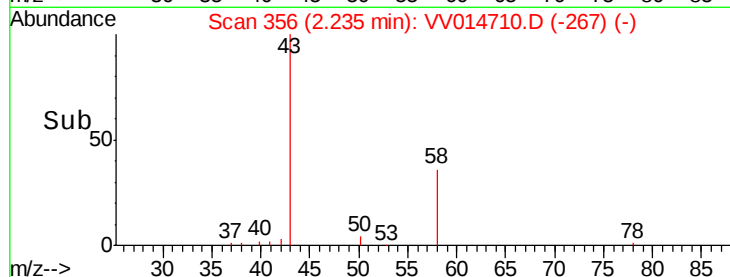
2000

1000

0

Time-->

2.15 2.20 2.25 2.30 2.35



#14

Carbon disulfide

Concen: 0.528 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014710.D

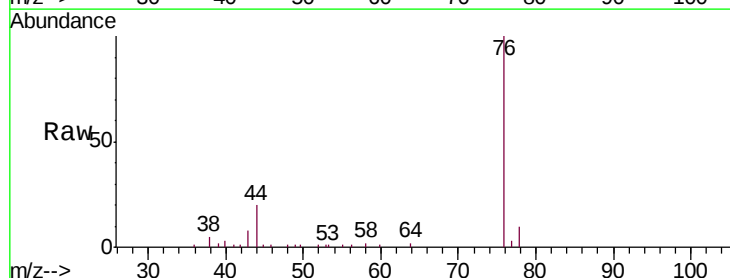
Acq: 28 Feb 2020 15:46

Tgt Ion: 76 Resp: 29657

Ion Ratio Lower Upper

76 100

78 10.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV014710.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV014710.D (-287) (-)

2.32

20000

15000

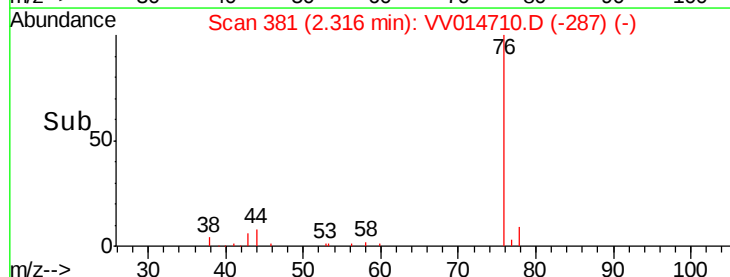
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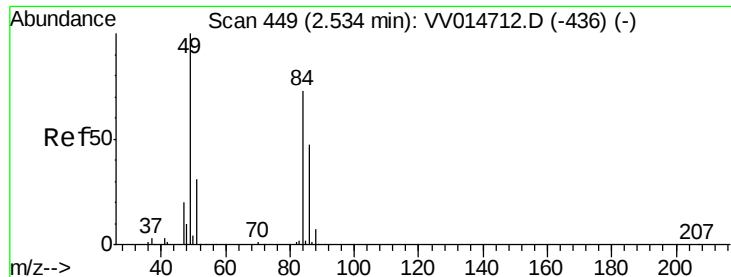
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Time-->

2.25 2.30 2.35

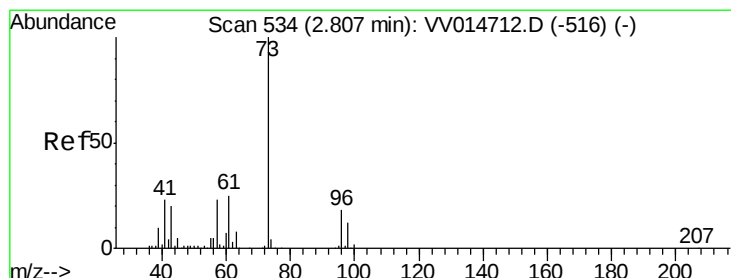
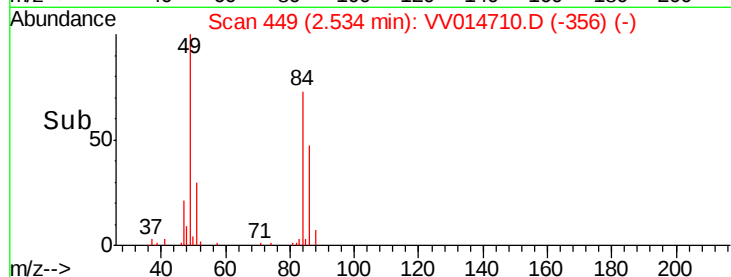
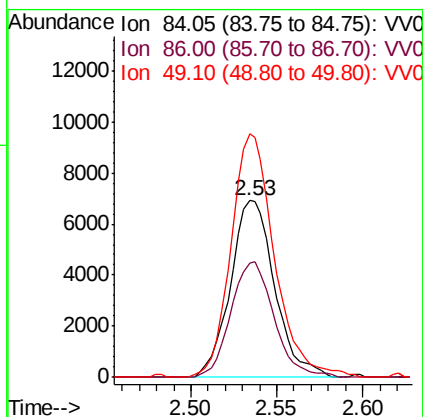
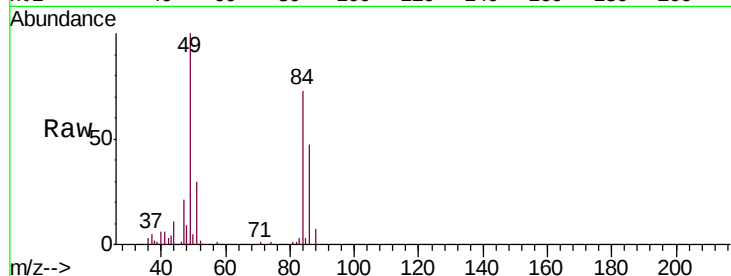




#16
Methylene chloride
Concen: 0.574 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

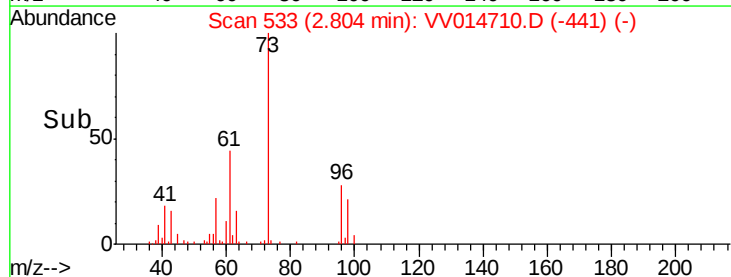
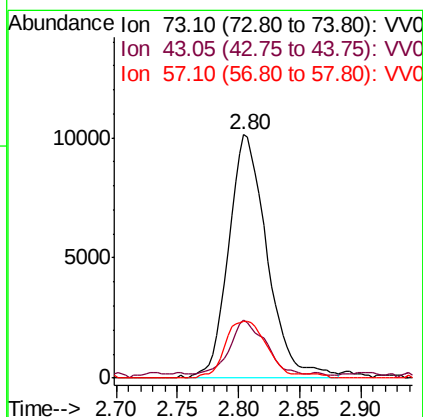
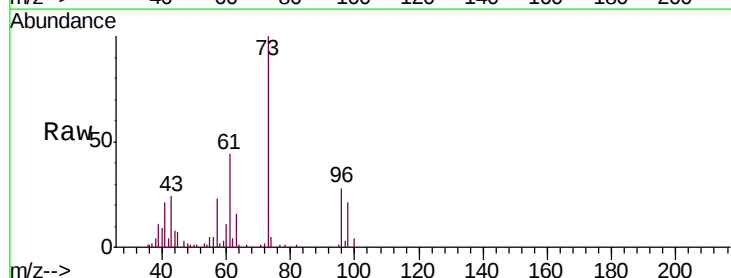
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

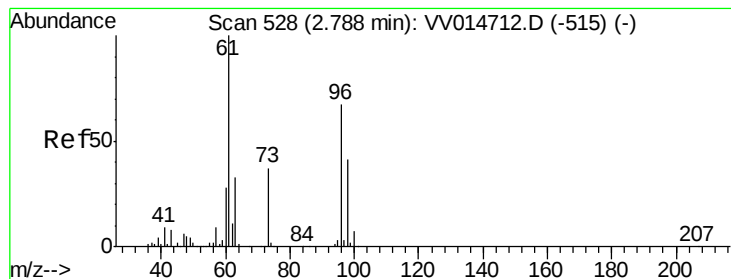
Tgt Ion: 84 Resp: 12384
Ion Ratio Lower Upper
84 100
86 64.7 44.9 83.5
49 137.8 95.6 177.6



#17
Methyl tert-butyl Ether
Concen: 0.538 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 73 Resp: 22259
Ion Ratio Lower Upper
73 100
43 20.1 16.0 24.0
57 25.1 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 0.528 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

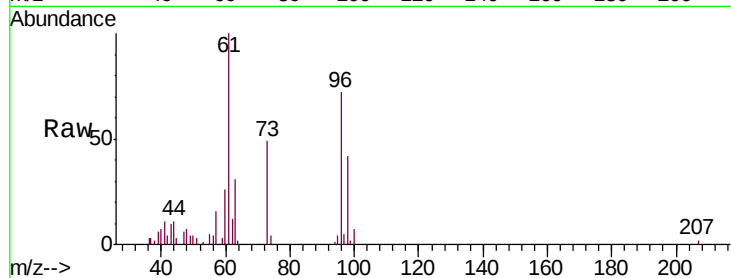
Tgt Ion: 96 Resp: 10208

Ion Ratio Lower Upper

96 100

61 139.7 104.9 194.9

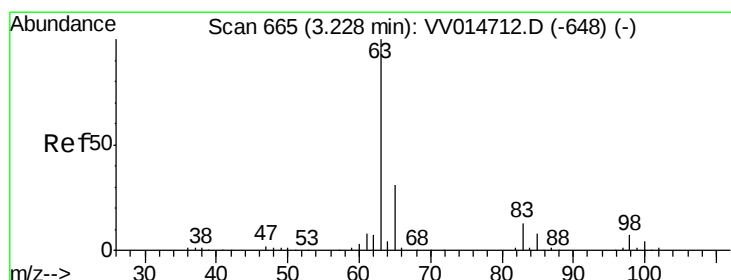
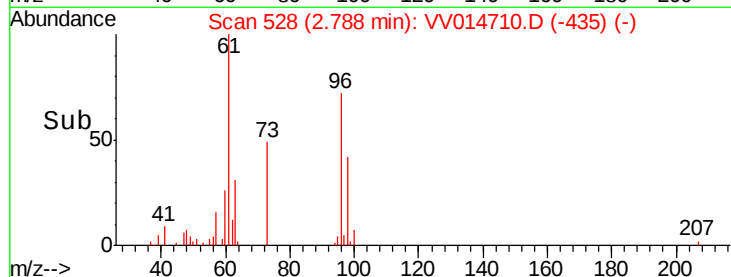
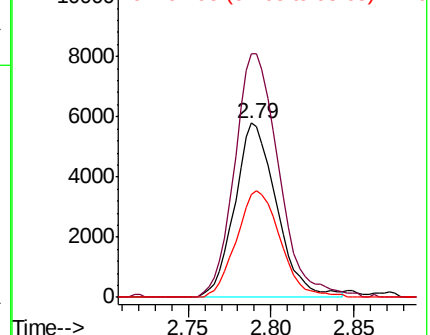
98 59.1 42.9 79.7



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: 0.562 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

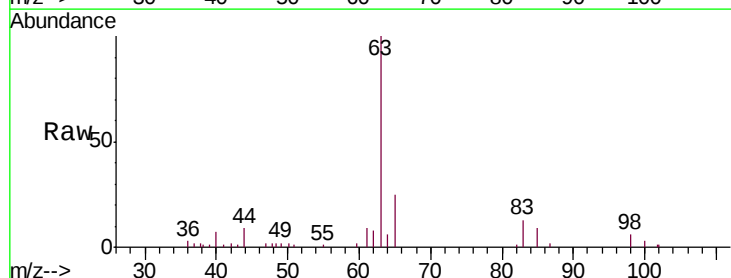
Tgt Ion: 63 Resp: 20081

Ion Ratio Lower Upper

63 100

65 24.8 21.9 40.7

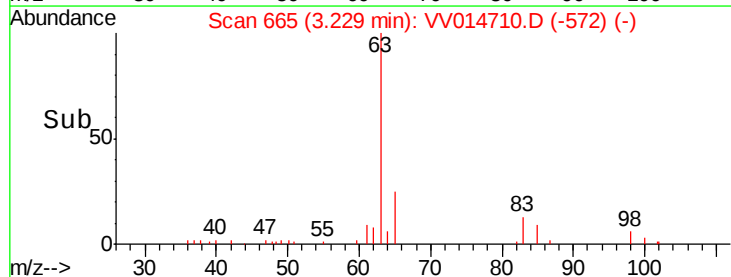
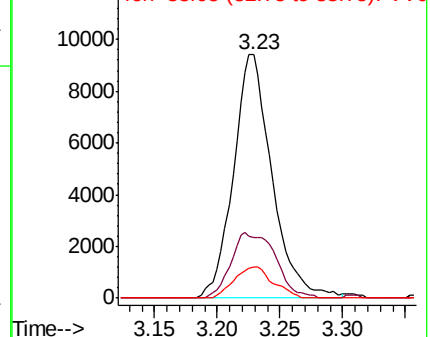
83 12.8 9.0 16.6

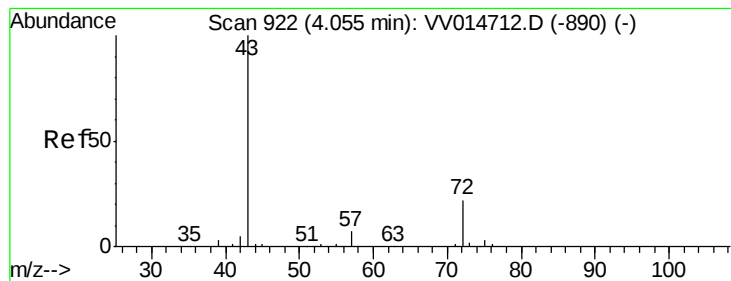


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0





#21

2-Butanone

Concen: 2.083 ug/L

RT: 4.07 min Scan# 928

Delta R.T. 0.02 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

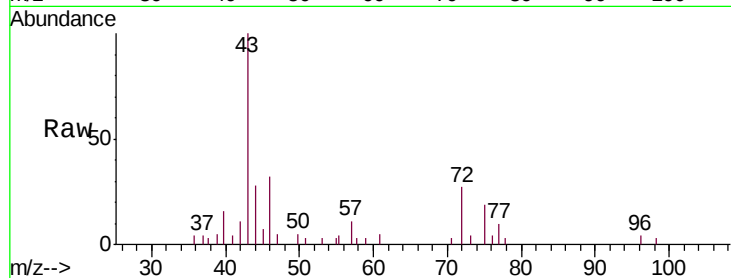
VSTD0.532

Tgt Ion: 43 Resp: 8065

Ion Ratio Lower Upper

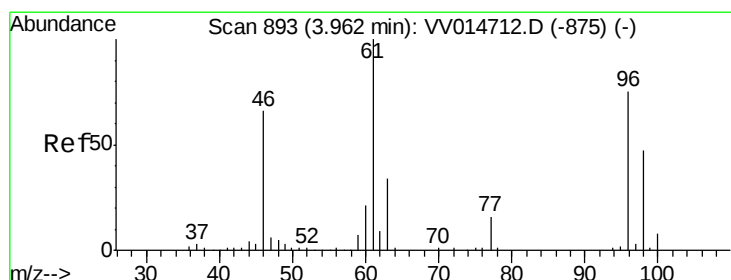
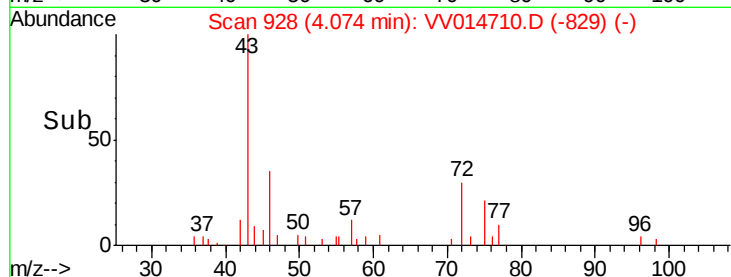
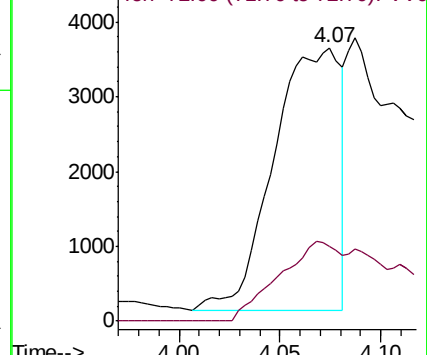
43 100

72 27.4 10.5 31.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.495 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

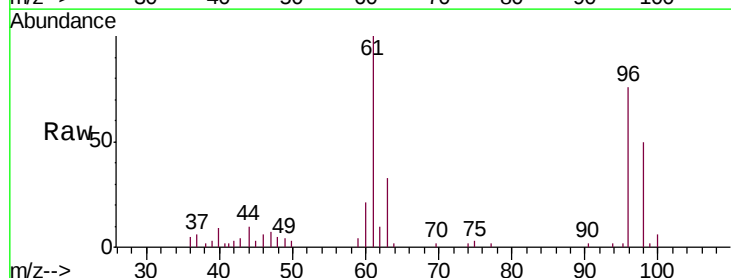
Tgt Ion: 96 Resp: 10313

Ion Ratio Lower Upper

96 100

61 130.7 93.3 173.3

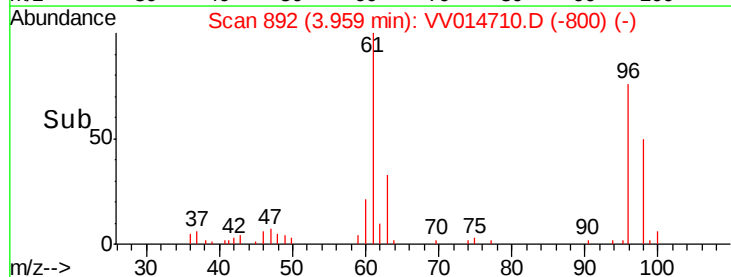
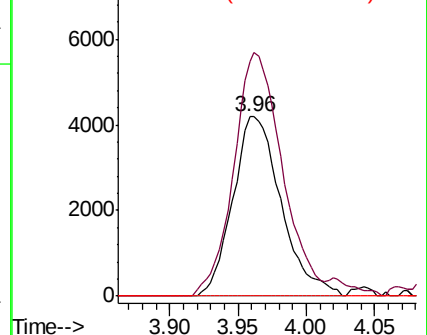
68 0.0 0.0 0.0

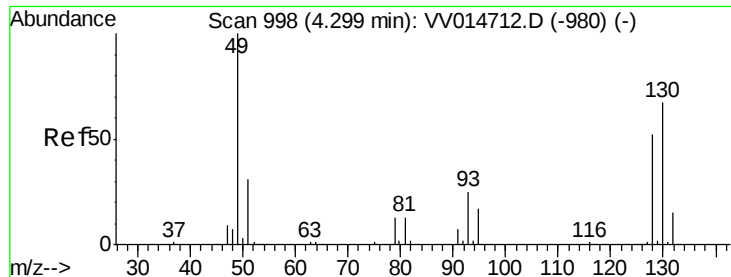


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.545 ug/L

RT: 4.30 min Scan# 997

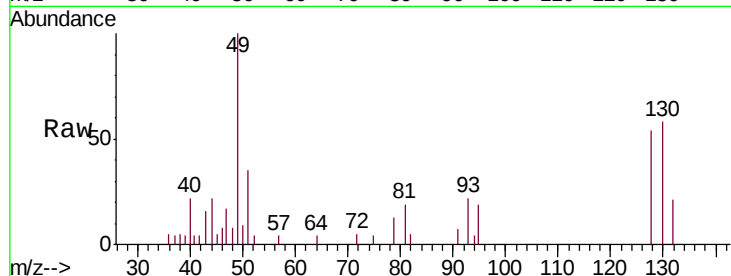
Delta R.T. -0.00 min

Lab File: VV014710.D

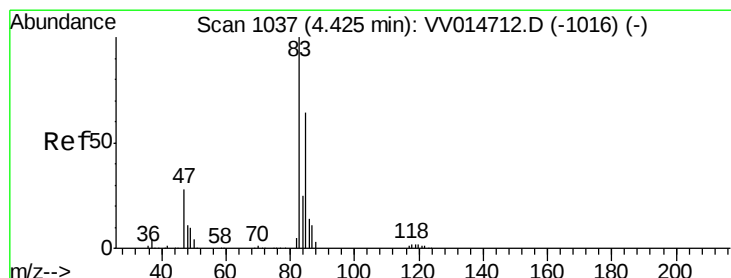
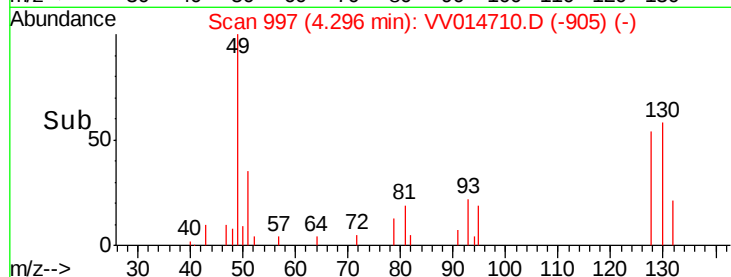
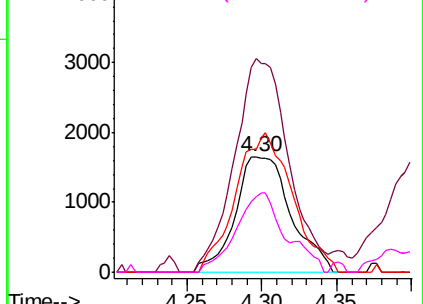
Acq: 28 Feb 2020 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Tgt Ion:	128	Resp:	4306
Ion	Ratio	Lower	Upper
128	100		
49	184.4	136.2	252.9
130	106.6	90.3	167.7
51	65.0	47.9	71.9



Abundance Ion 127.90 (127.60 to 128.60): VV014710.D (-980) (-)



#25

Chloroform

Concen: 0.572 ug/L

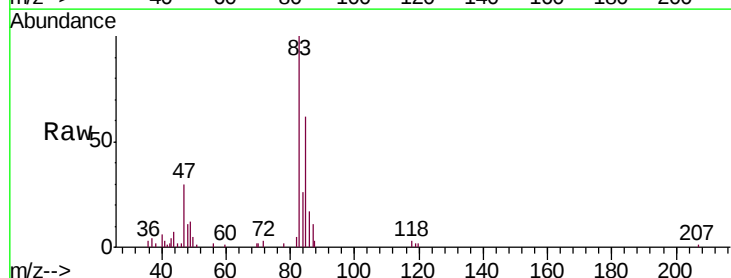
RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

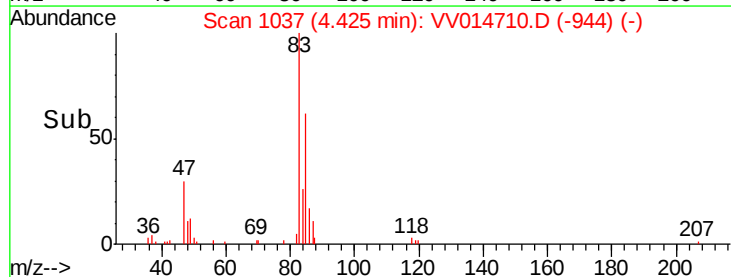
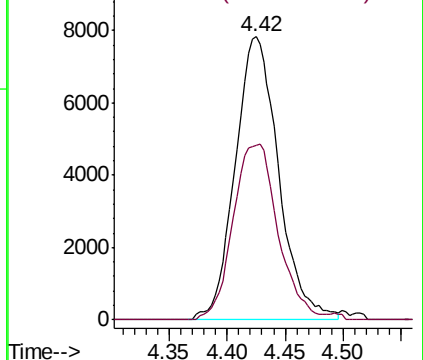
Lab File: VV014710.D

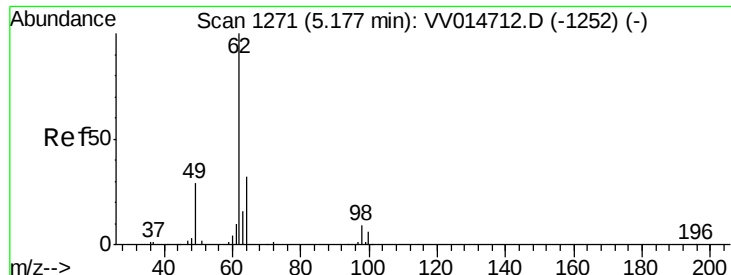
Acq: 28 Feb 2020 15:46

Tgt Ion:	83	Resp:	20410
Ion	Ratio	Lower	Upper
83	100		
85	61.7	44.7	83.1



Abundance Ion 83.05 (82.75 to 83.75): VV014710.D (-944) (-)

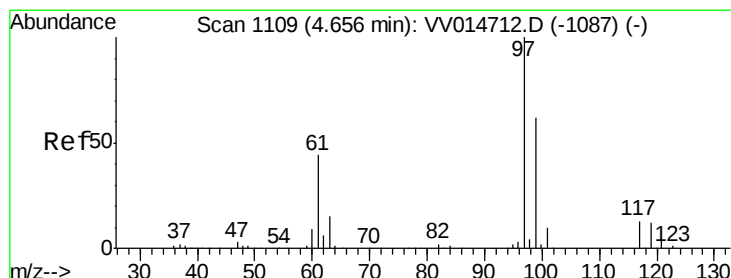
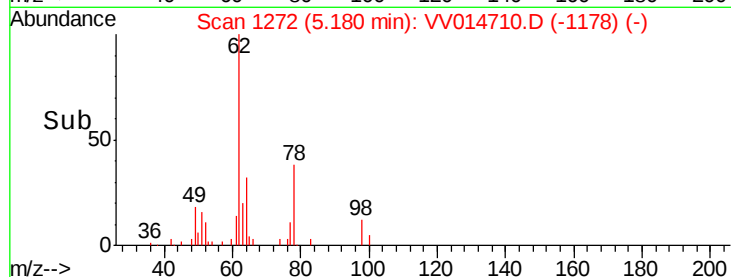
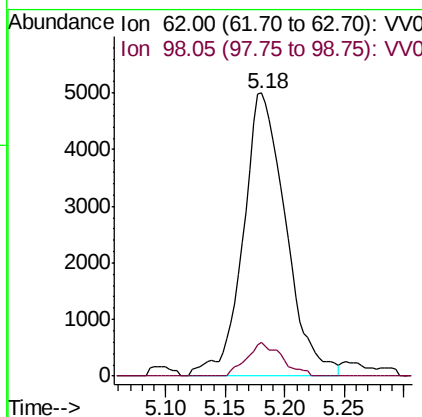
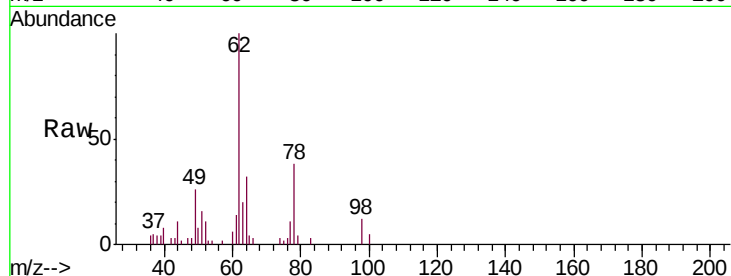




#27
 1,2-Dichloroethane
 Concen: 0.628 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

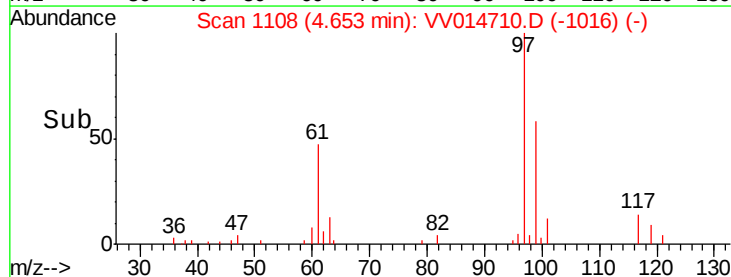
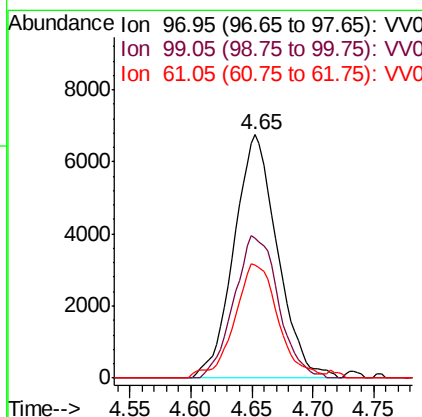
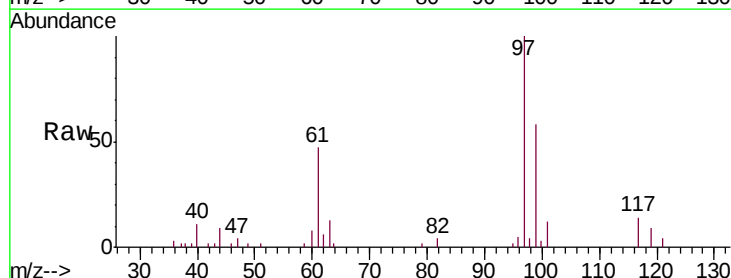
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

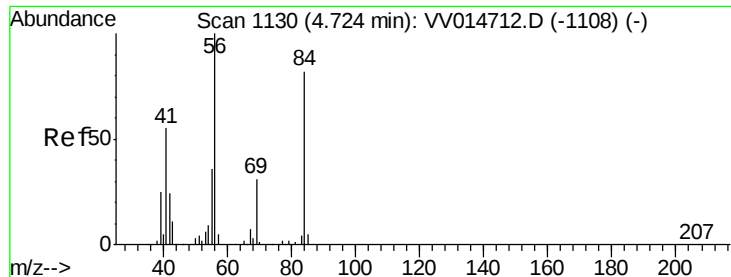
Tgt Ion: 62 Resp: 12422
 Ion Ratio Lower Upper
 62 100
 98 11.7 7.4 11.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.537 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Tgt Ion: 97 Resp: 16641
 Ion Ratio Lower Upper
 97 100
 99 59.6 50.6 76.0
 61 47.2 36.3 54.5

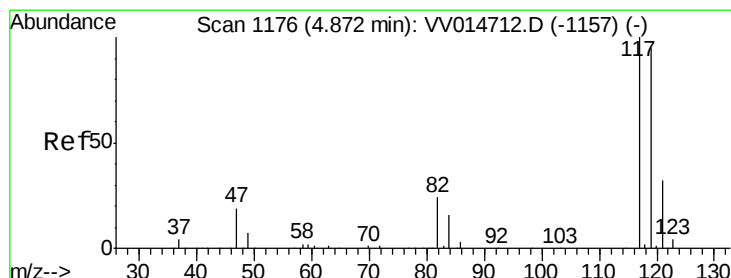
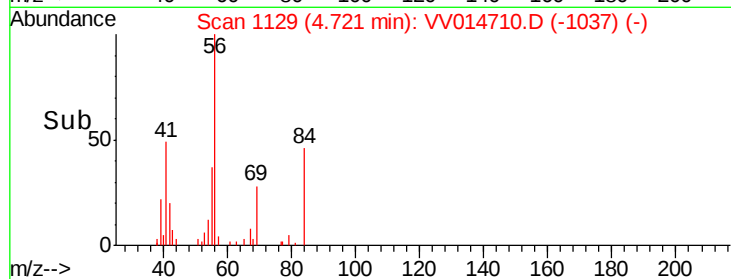
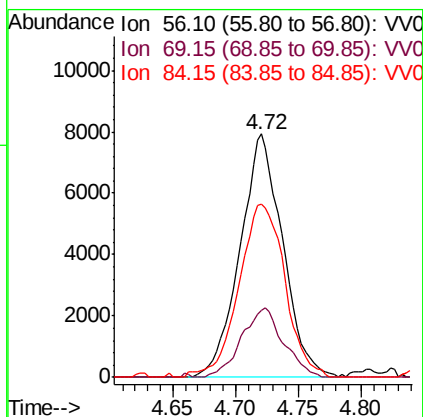
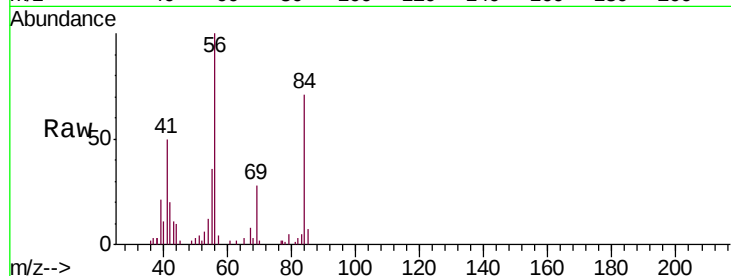




#30
Cyclohexane
Concen: 0.527 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

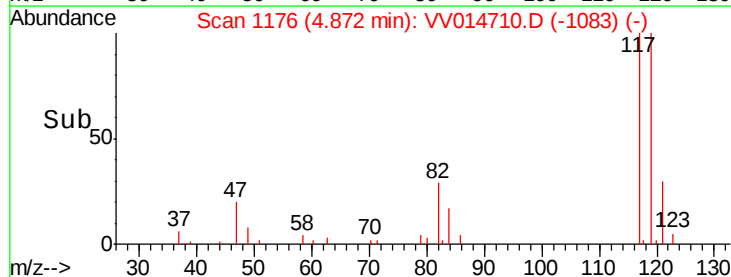
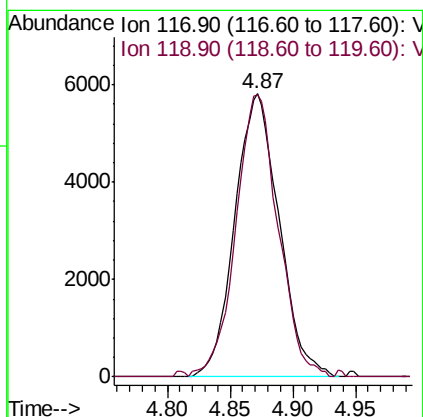
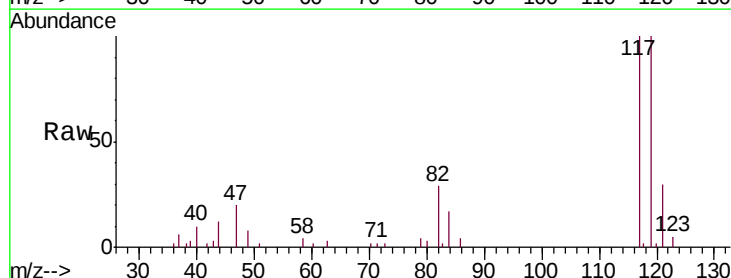
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

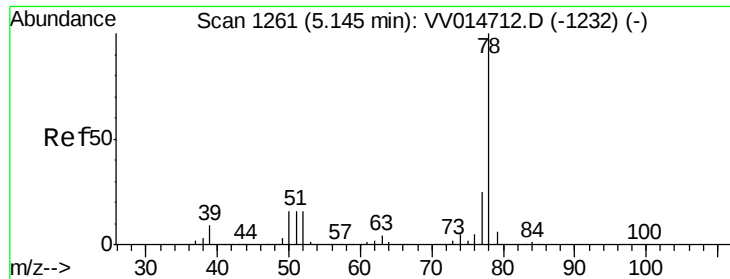
Tgt Ion: 56 Resp: 18789
Ion Ratio Lower Upper
56 100
69 28.0 23.4 35.2
84 76.7 66.3 99.5



#31
Carbon tetrachloride
Concen: 0.539 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 117 Resp: 14304
Ion Ratio Lower Upper
117 100
119 95.3 75.8 113.6

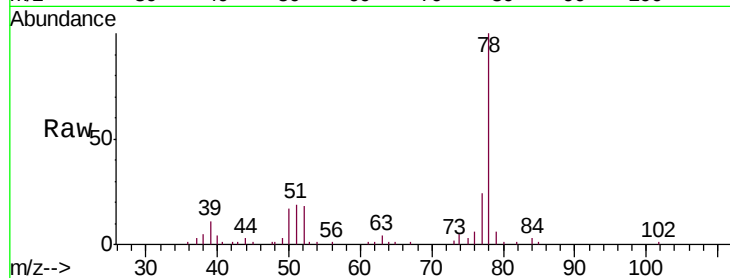




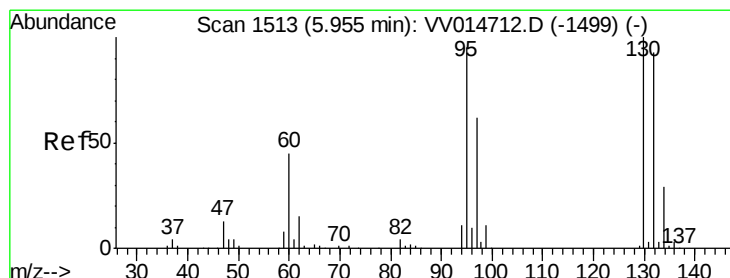
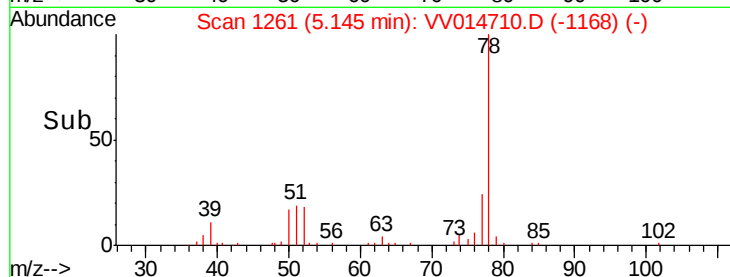
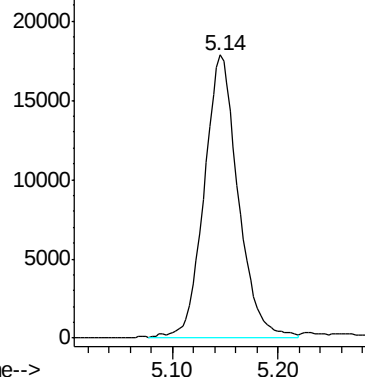
#33
Benzene
Concen: 0.497 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Instrument :
MSVOA_V
ClientSampled :
VSTD0.532

Tgt Ion: 78 Resp: 40292



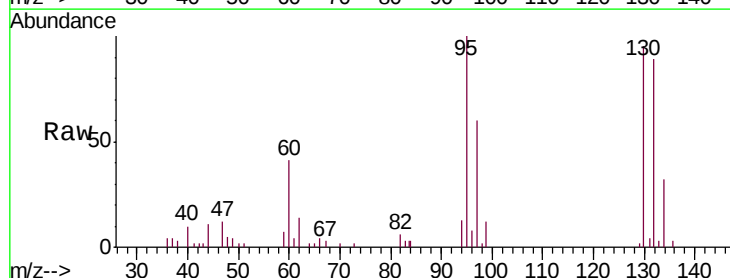
Abundance Ion 78.10 (77.80 to 78.80): VV0



#34
Trichloroethene
Concen: 0.539 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

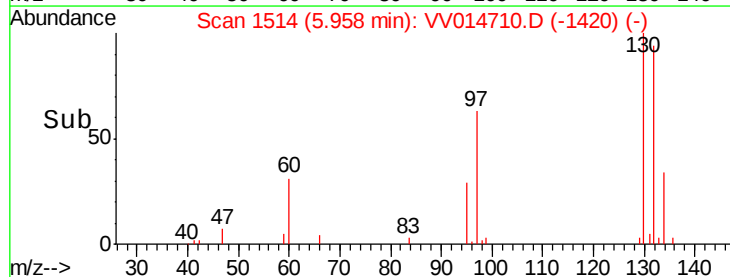
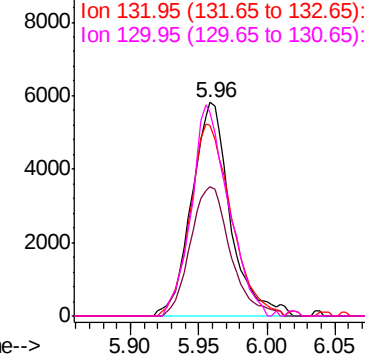
Tgt Ion: 95 Resp: 11422

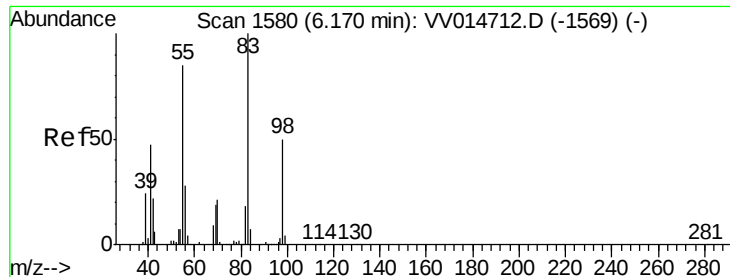
Ion	Ratio	Lower	Upper
95	100		
97	60.3	45.8	85.0
132	89.2	68.7	127.5
130	95.1	74.1	137.5



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0
Ion 131.95 (131.65 to 132.65): VV0
Ion 129.95 (129.65 to 130.65): VV0

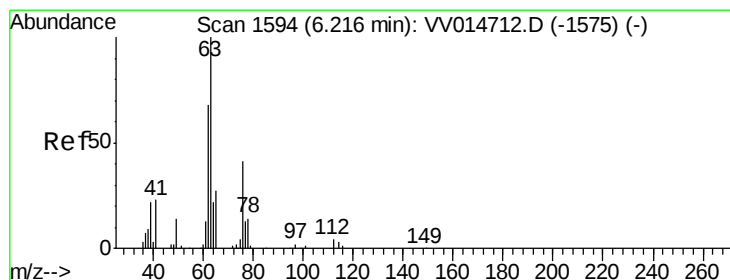
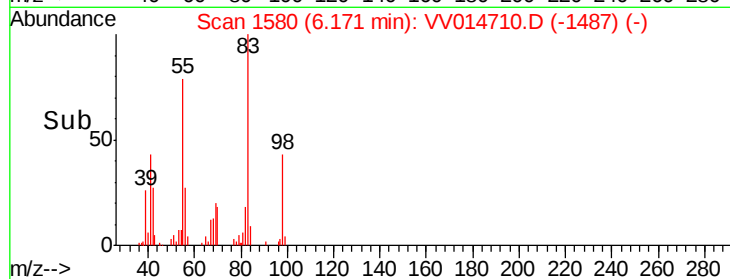
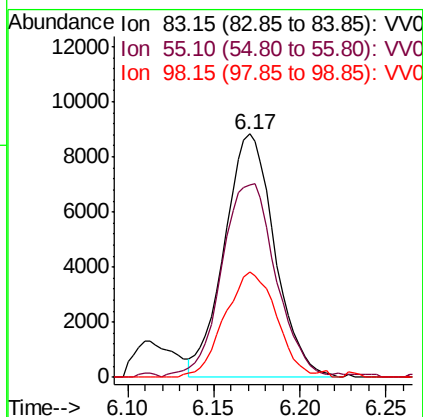
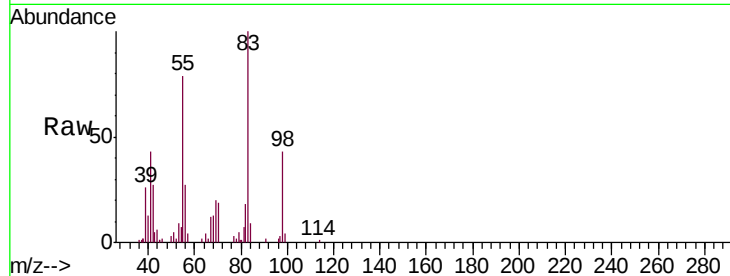




#35
Methylcyclohexane
Concen: 0.491 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

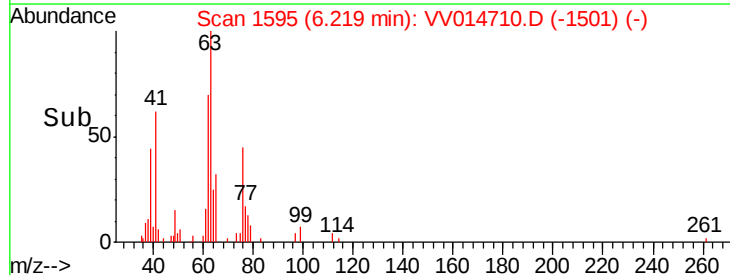
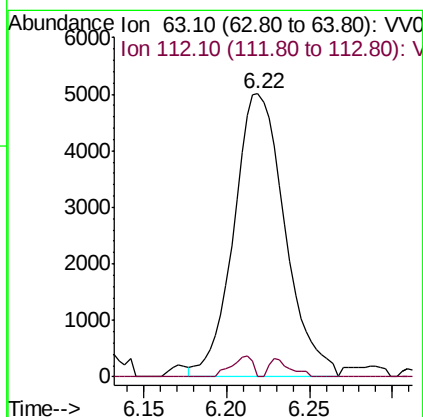
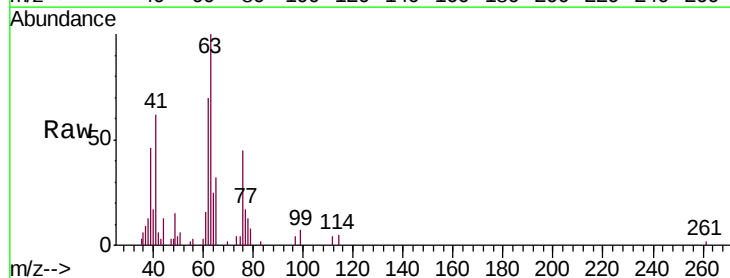
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

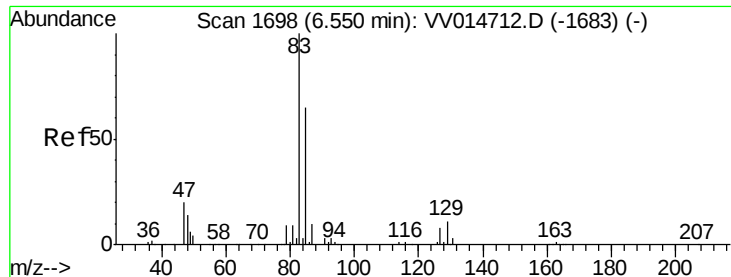
Tgt Ion: 83 Resp: 17979
Ion Ratio Lower Upper
83 100
55 86.3 64.6 96.8
98 44.6 37.8 56.8



#37
1,2-Dichloropropane
Concen: 0.530 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 63 Resp: 10749
Ion Ratio Lower Upper
63 100
112 3.1 3.4 5.0#





#38

Bromodichloromethane

Concen: 0.503 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

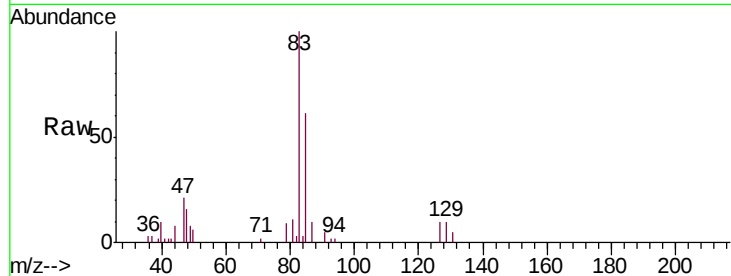
Tgt Ion: 83 Resp: 12378

Ion Ratio Lower Upper

83 100

85 61.4 45.2 84.0

127 9.9 6.6 10.0

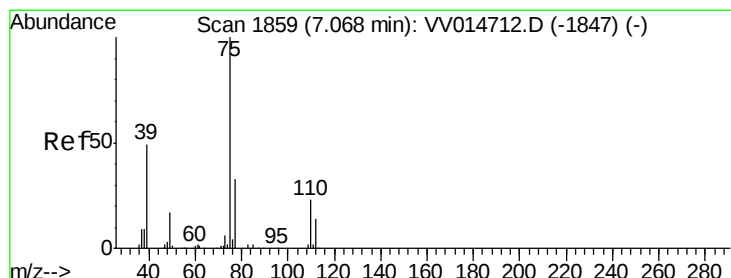
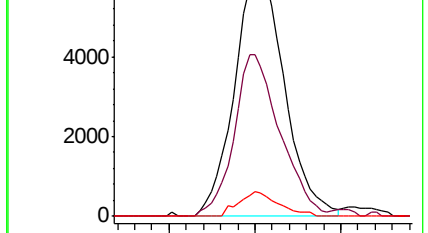
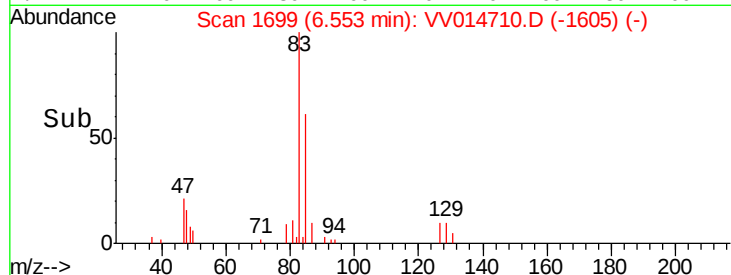


Abundance Ion 82.95 (82.65 to 83.65): VV014710.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV014710.D (-1683) (-)

Ion 126.90 (126.60 to 127.60): VV014710.D (-1683) (-)

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.463 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV014710.D

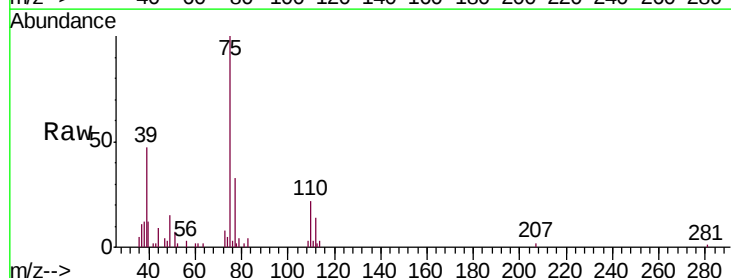
Acq: 28 Feb 2020 15:46

Tgt Ion: 75 Resp: 13921

Ion Ratio Lower Upper

75 100

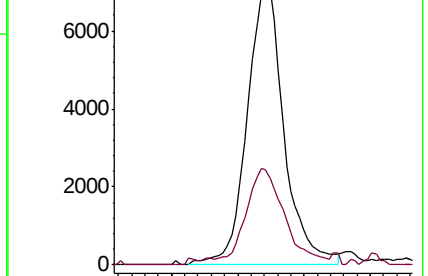
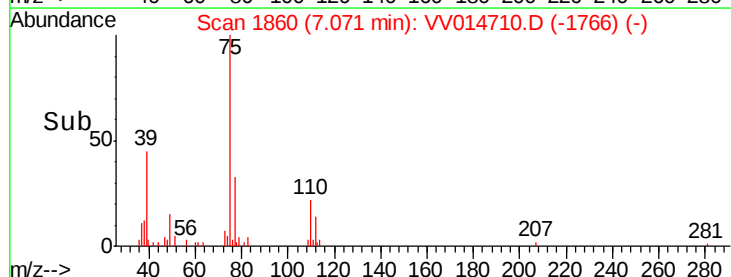
77 33.4 23.0 42.8

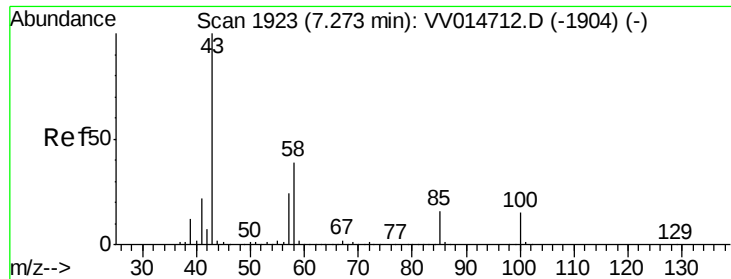


Abundance Ion 75.05 (74.75 to 75.75): VV014710.D (-1766) (-)

Ion 77.05 (76.75 to 77.75): VV014710.D (-1766) (-)

Time-->

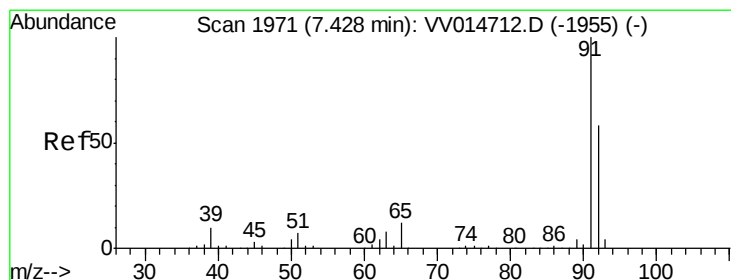
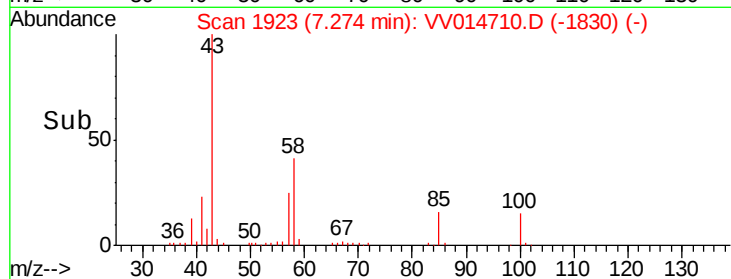
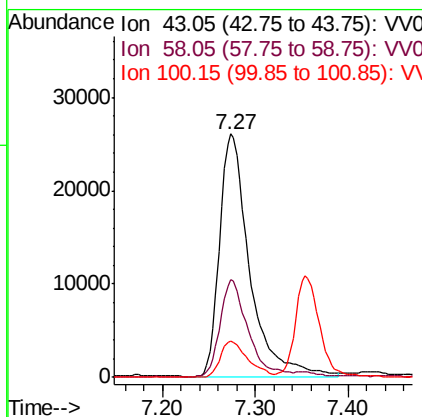
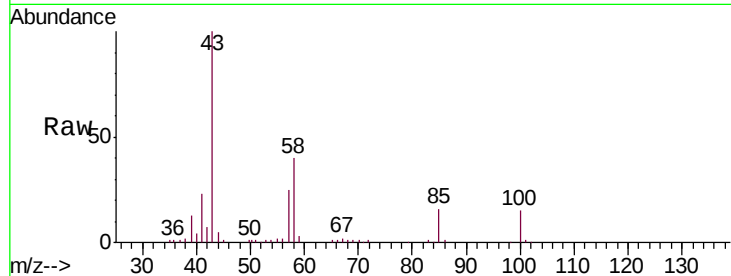




#40
4-Methyl-2-pentanone
Concen: 5.226 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

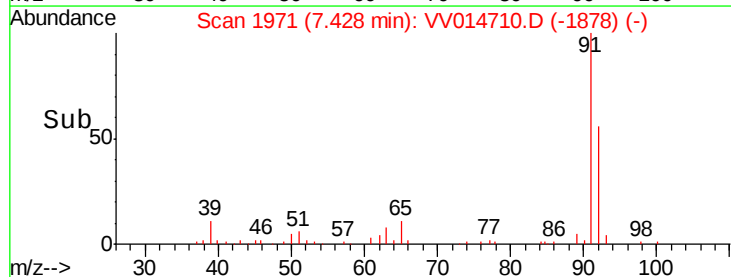
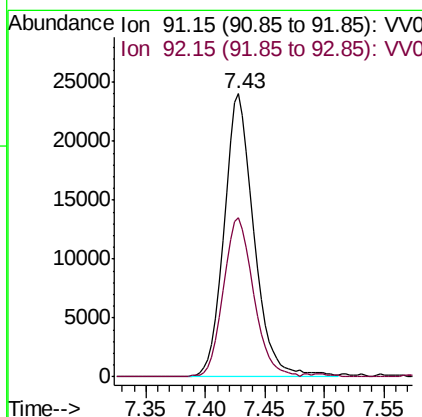
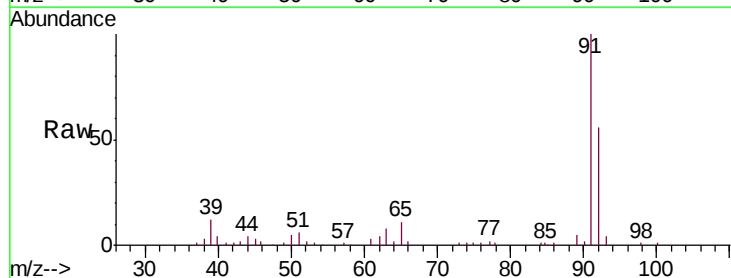
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

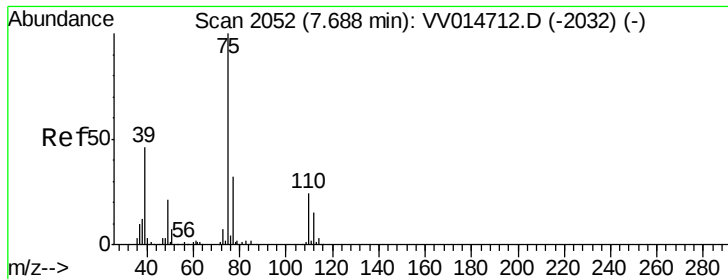
Tgt Ion: 43 Resp: 59316
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2
100 13.6 11.2 16.8



#42
Toluene
Concen: 0.483 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 91 Resp: 41799
Ion Ratio Lower Upper
91 100
92 56.1 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 0.472 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

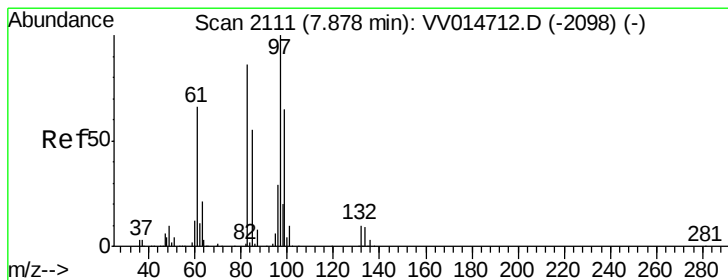
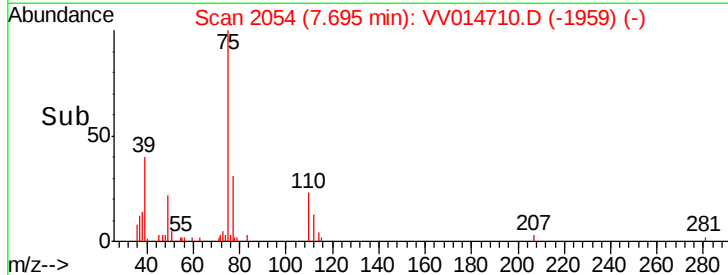
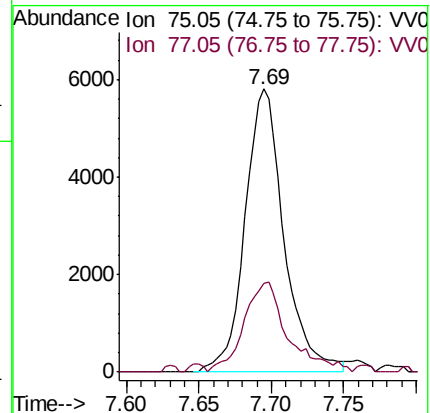
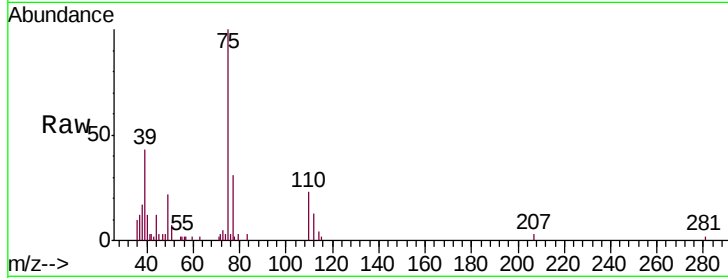
VSTD0.532

Tgt Ion: 75 Resp: 10859

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.9



#45

1,1,2-Trichloroethane

Concen: 0.499 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Tgt Ion: 97 Resp: 6514

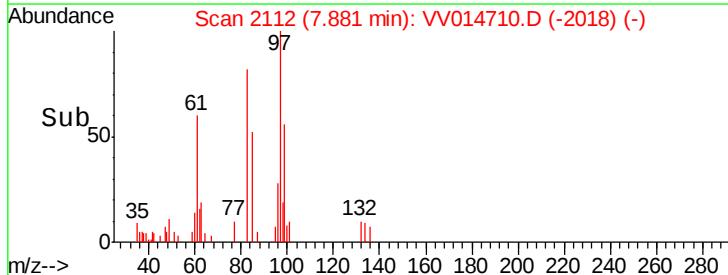
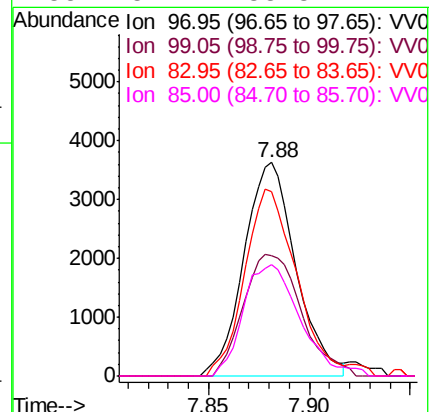
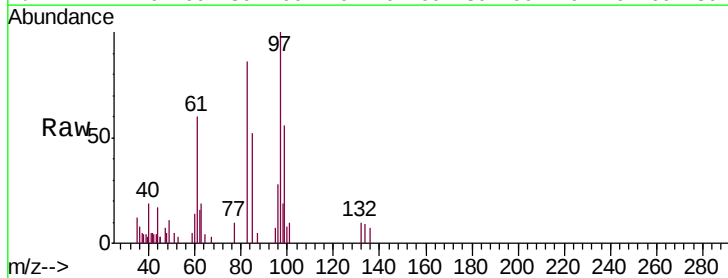
Ion Ratio Lower Upper

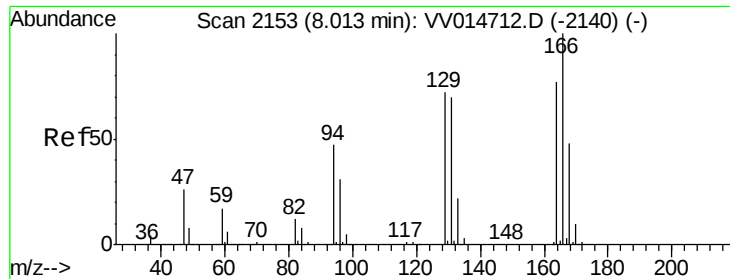
97 100

99 56.2 45.4 84.4

83 86.4 59.8 111.1

85 52.1 38.3 71.1

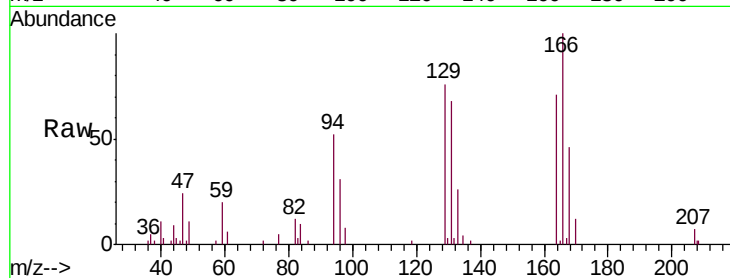




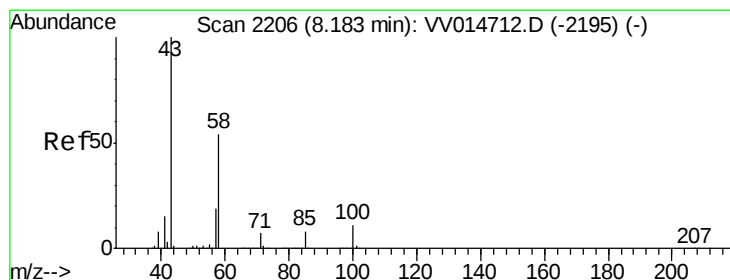
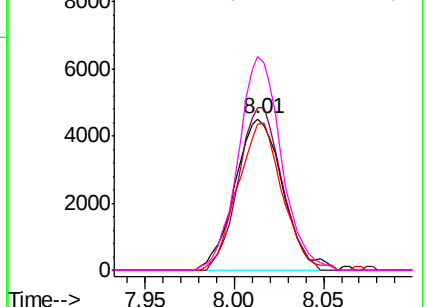
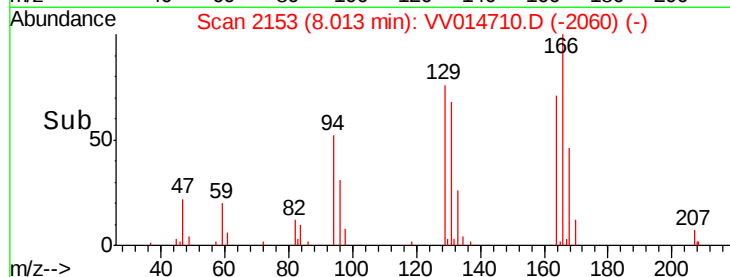
#47
Tetrachloroethene
Concen: 0.539 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Tgt Ion:164 Resp: 8446
Ion Ratio Lower Upper
164 100
129 106.8 65.9 122.5
131 96.3 64.0 119.0
166 140.8 91.2 169.4

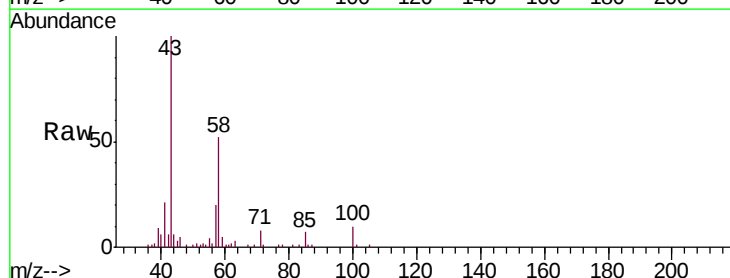


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

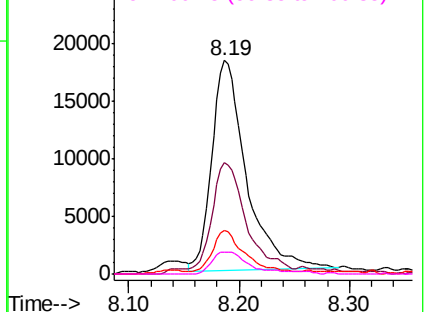
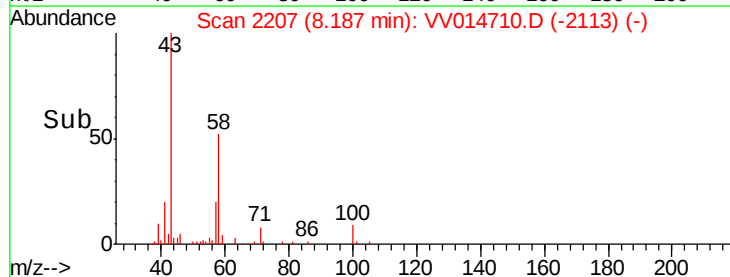


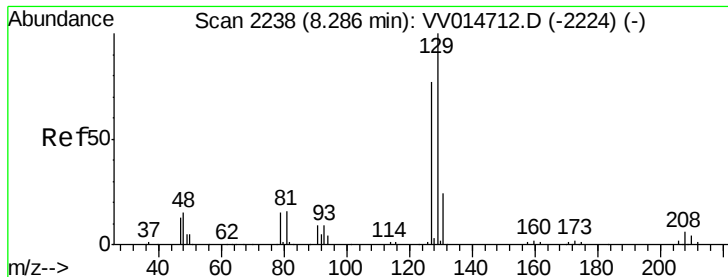
#48
2-Hexanone
Concen: 4.956 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 43 Resp: 39393
Ion Ratio Lower Upper
43 100
58 52.8 43.1 64.7
57 18.6 14.6 21.8
100 11.2 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.443 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

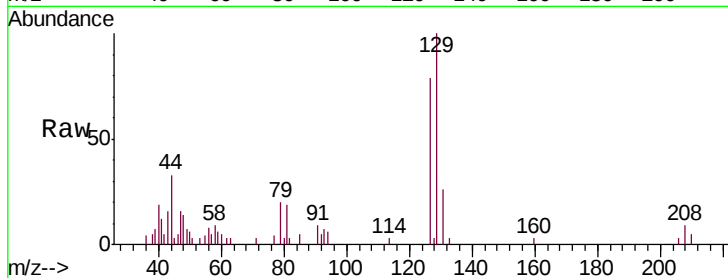
VSTD0.532

Tgt Ion:129 Resp: 6852

Ion Ratio Lower Upper

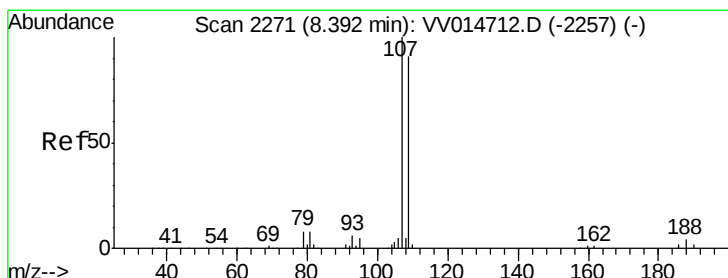
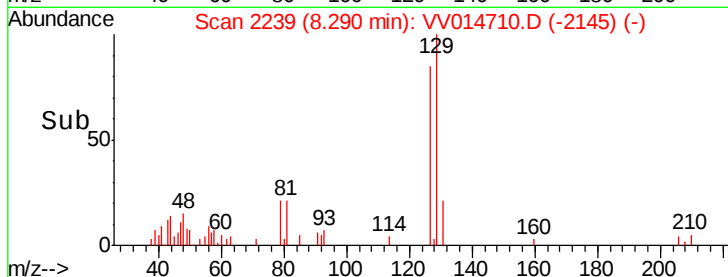
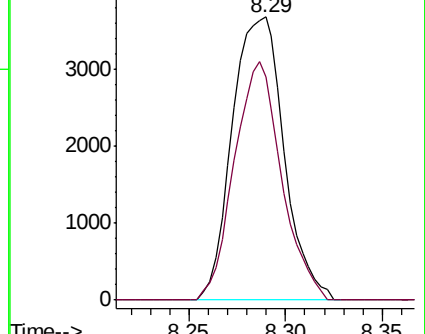
129 100

127 79.0 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.527 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

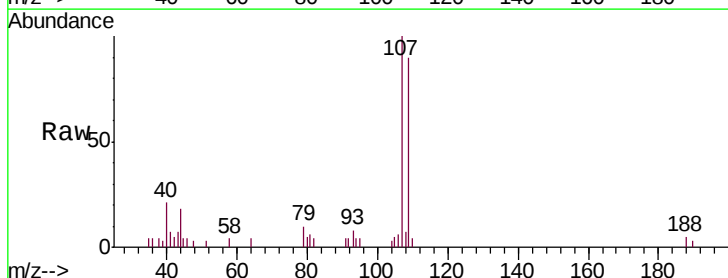
Tgt Ion:107 Resp: 6400

Ion Ratio Lower Upper

107 100

109 89.5 63.6 118.2

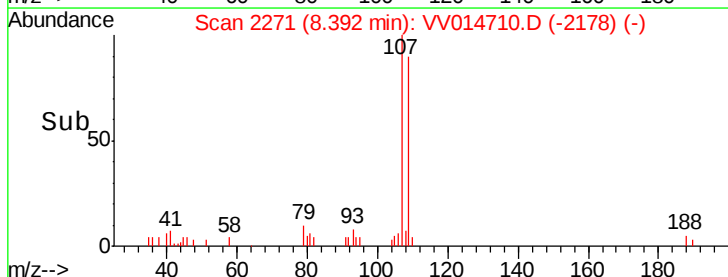
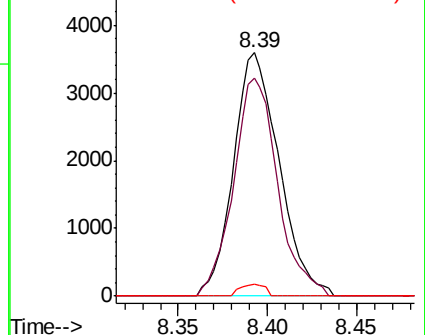
188 5.1 3.1 4.7#

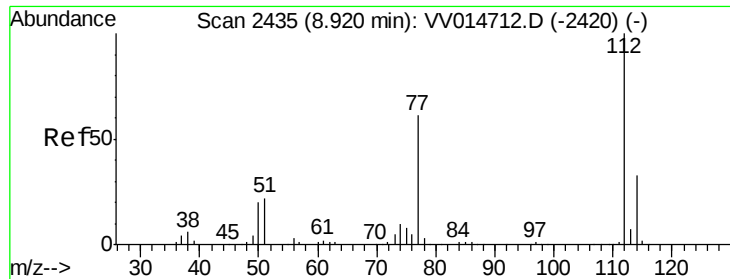


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

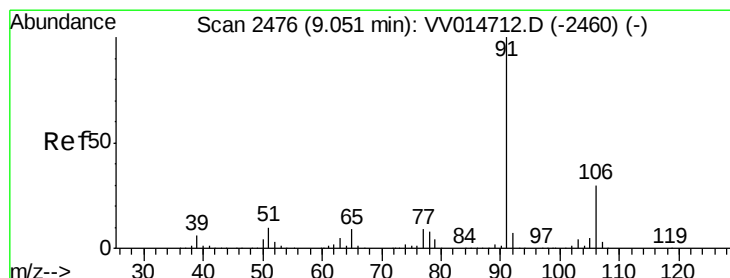
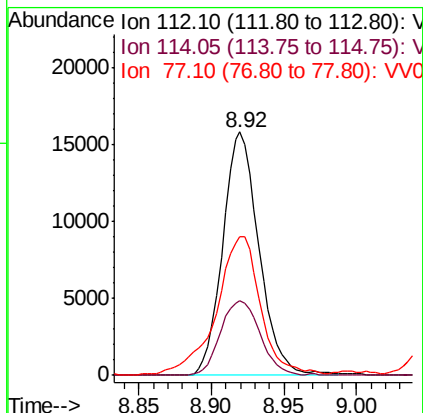
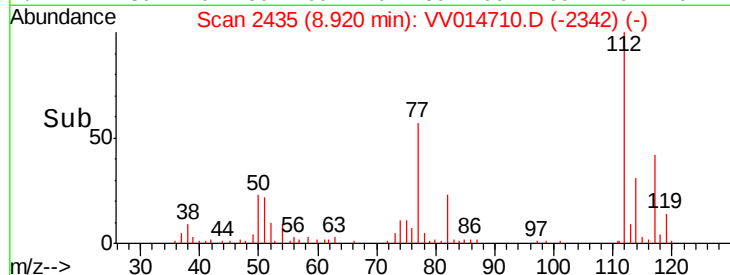
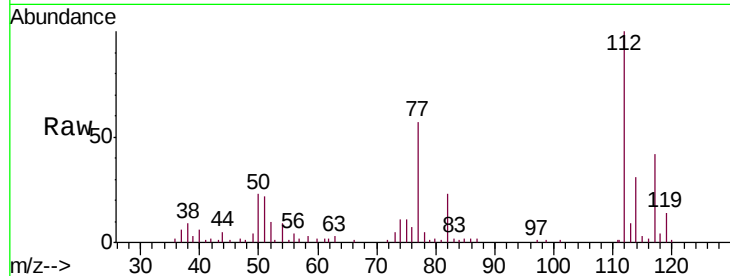




#51
Chlorobenzene
Concen: 0.511 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

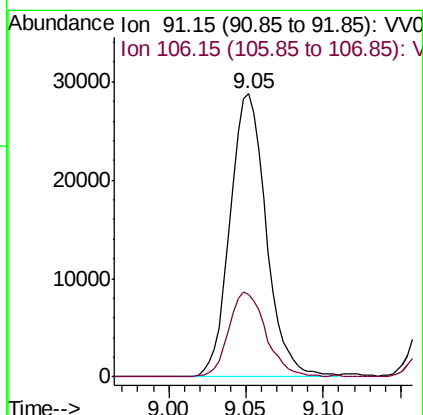
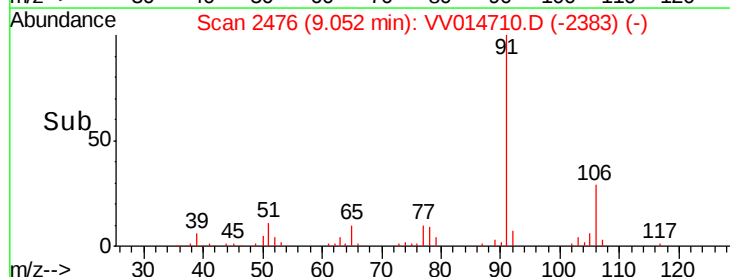
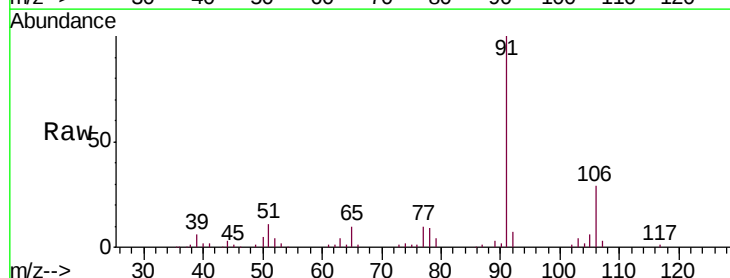
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

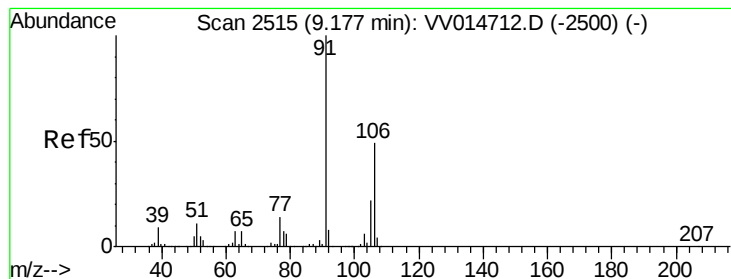
Tgt Ion: 112 Resp: 27445
Ion Ratio Lower Upper
112 100
114 30.5 23.2 43.2
77 57.1 49.0 73.6



#52
Ethylbenzene
Concen: 0.480 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV014710.D
Acq: 28 Feb 2020 15:46

Tgt Ion: 91 Resp: 46674
Ion Ratio Lower Upper
91 100
106 29.1 21.1 39.1





#53

m,p-xylene

Concen: 0.465 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampled :

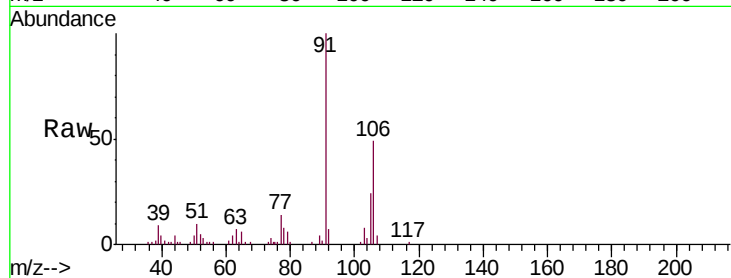
VSTD0.532

Tgt Ion:106 Resp: 16758

Ion Ratio Lower Upper

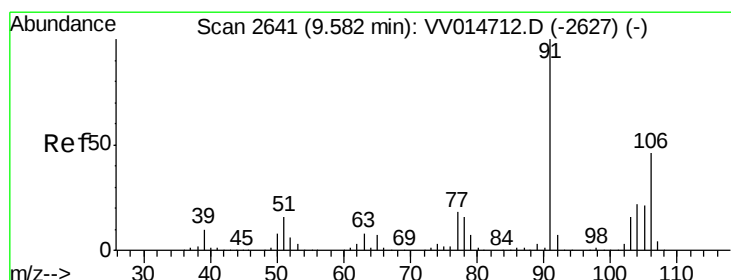
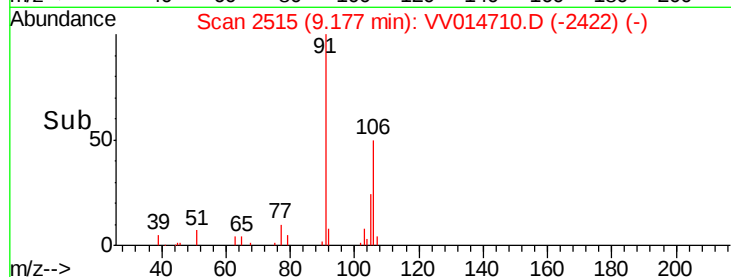
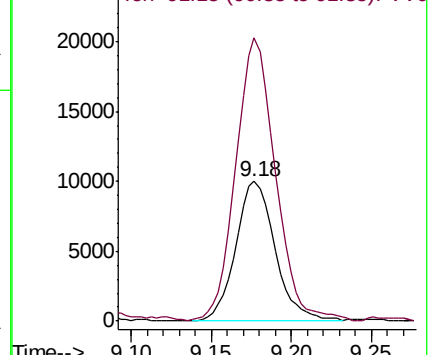
106 100

91 203.0 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 0.461 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014710.D

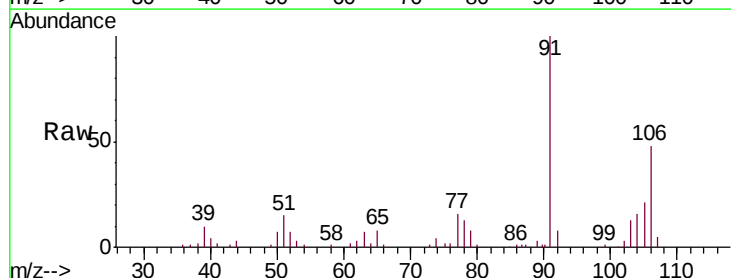
Acq: 28 Feb 2020 15:46

Tgt Ion:106 Resp: 16207

Ion Ratio Lower Upper

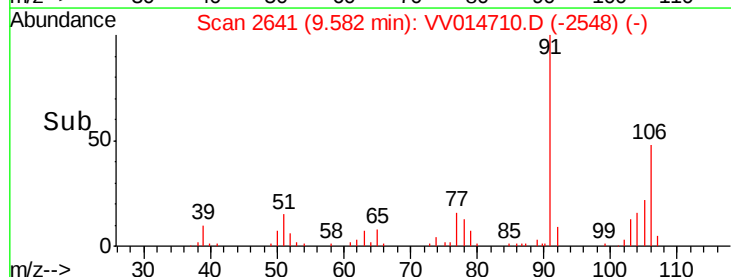
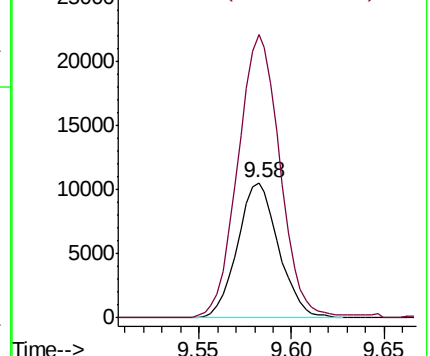
106 100

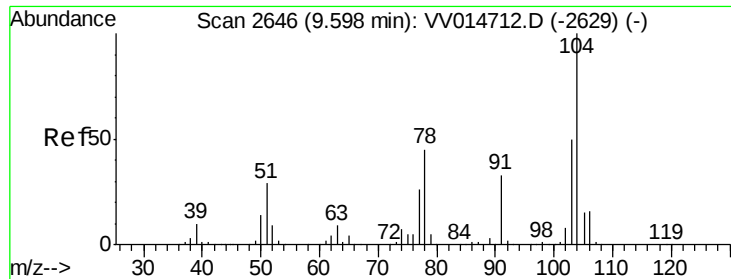
91 209.2 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Styrene

Concen: 0.454 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

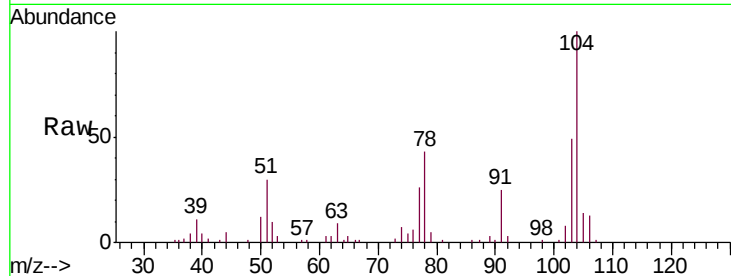
VSTD0.532

Tgt Ion:104 Resp: 26434

Ion Ratio Lower Upper

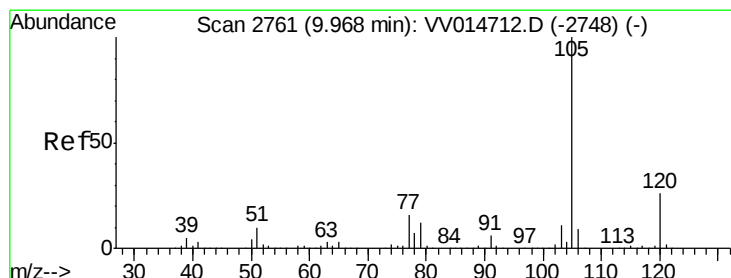
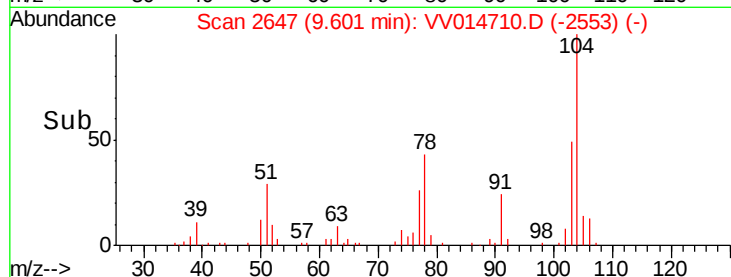
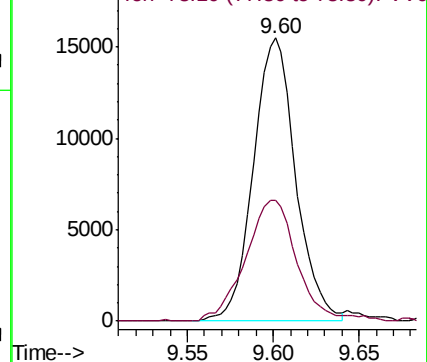
104 100

78 42.6 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.460 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

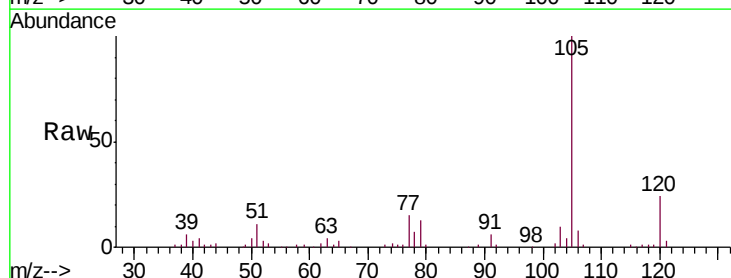
Tgt Ion:105 Resp: 42741

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

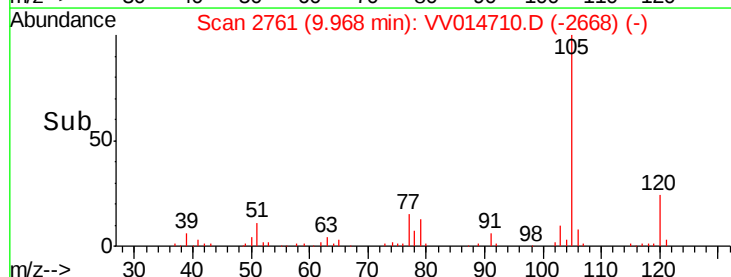
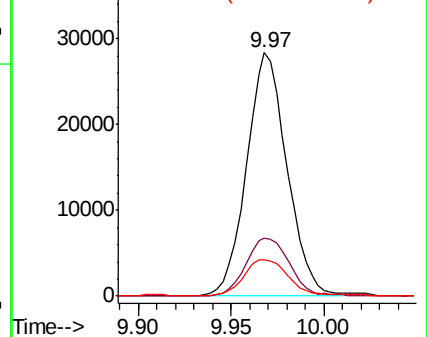
77 16.6 12.6 18.8

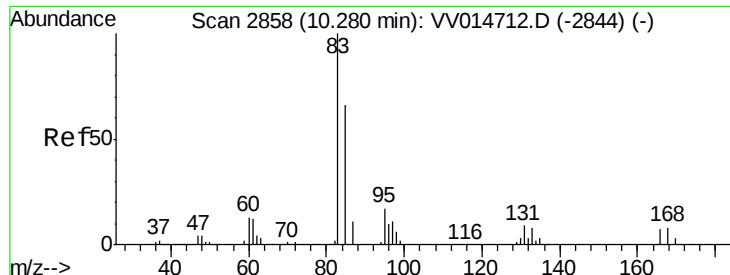


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.505 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

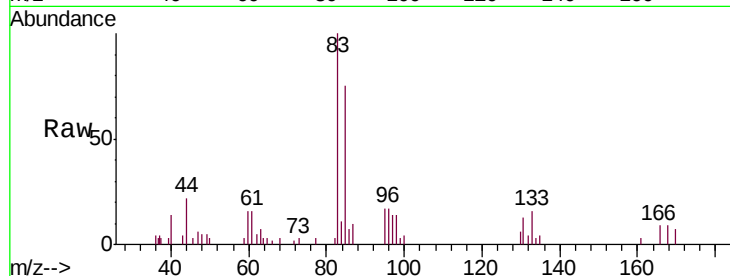
Tgt Ion: 83 Resp: 7772

Ion Ratio Lower Upper

83 100

85 75.1 46.1 85.7

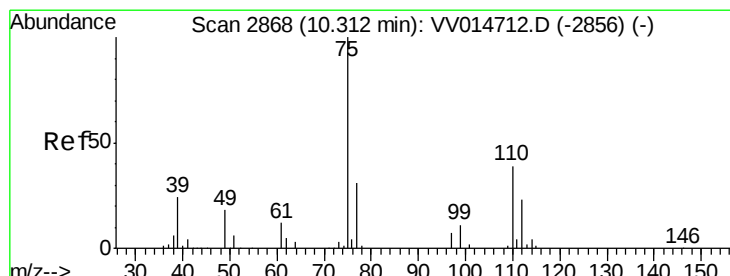
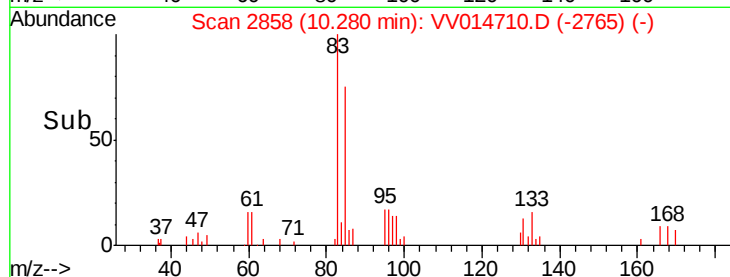
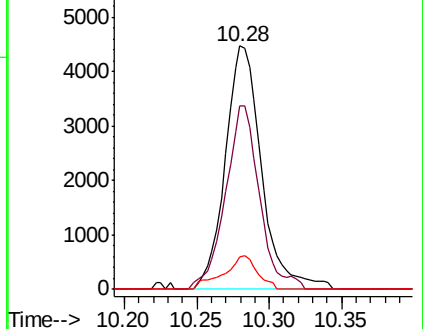
131 13.3 7.4 11.2#



Abundance Ion 82.95 (82.65 to 83.65): VV014710.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014710.D (-2844) (-)

Ion 130.95 (130.65 to 131.65): VV014710.D (-2844) (-)



#59

1,2,3-Trichloropropane

Concen: 0.550 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014710.D

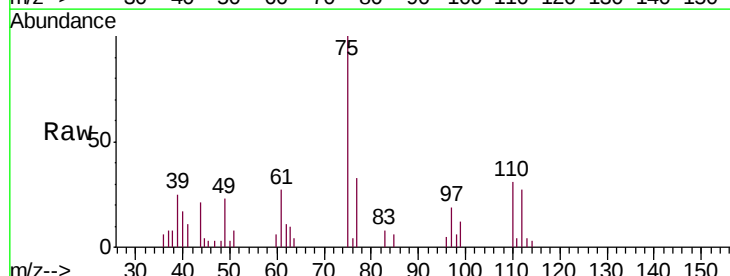
Acq: 28 Feb 2020 15:46

Tgt Ion: 75 Resp: 6220

Ion Ratio Lower Upper

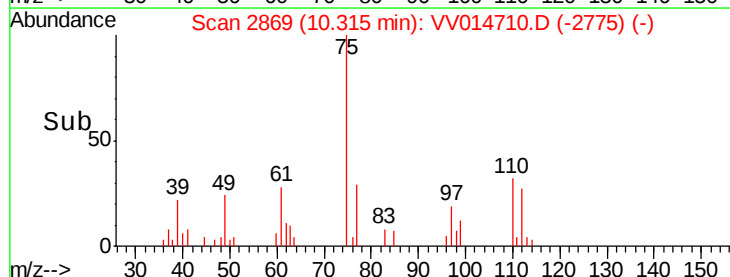
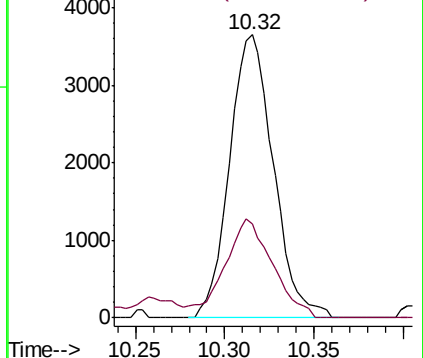
75 100

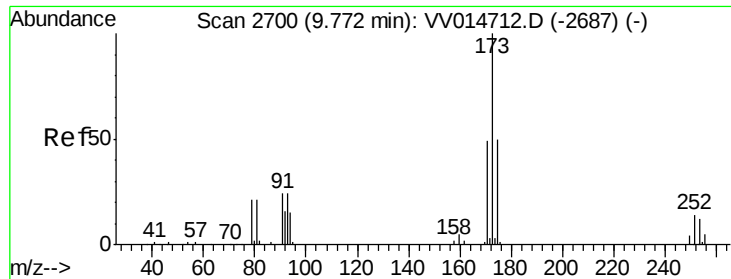
77 38.2 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV014710.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014710.D (-2856) (-)





#61

Bromoform

Concen: 0.396 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

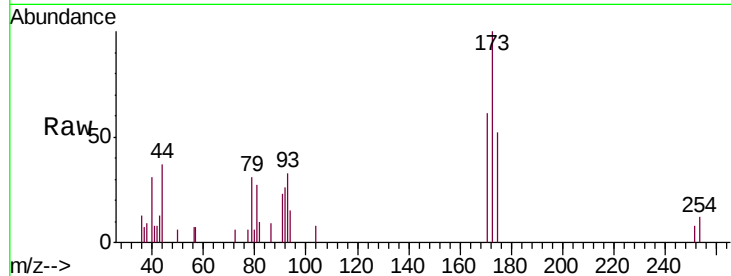
Tgt Ion:173 Resp: 3086

Ion Ratio Lower Upper

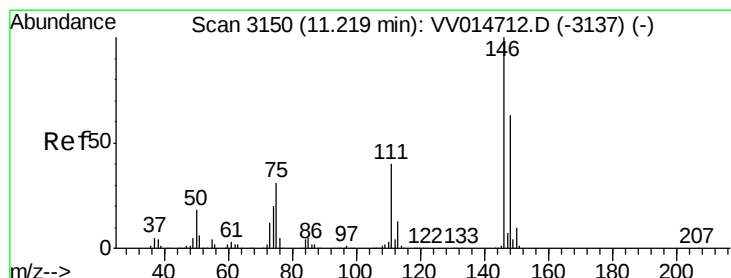
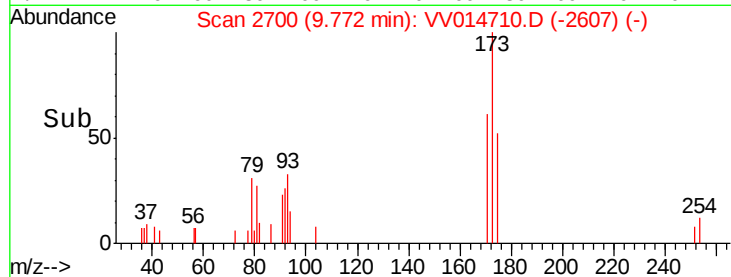
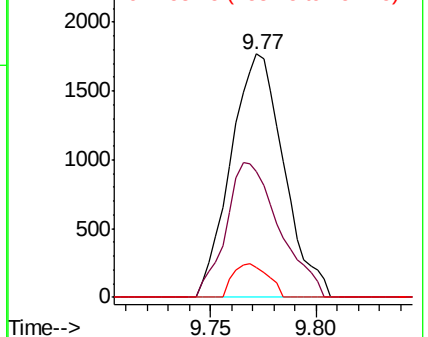
173 100

175 55.6 38.6 57.8

254 9.1 9.4 14.0#



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



#62

1,3-Dichlorobenzene

Concen: 0.480 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014710.D

Acq: 28 Feb 2020 15:46

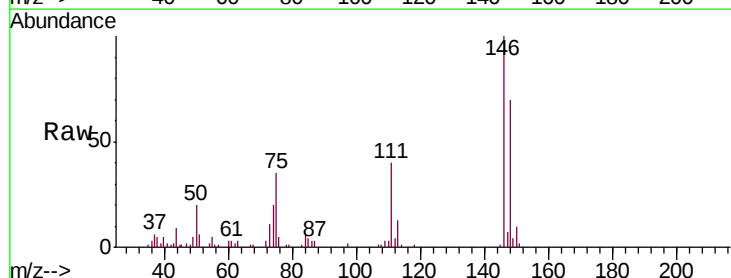
Tgt Ion:146 Resp: 20423

Ion Ratio Lower Upper

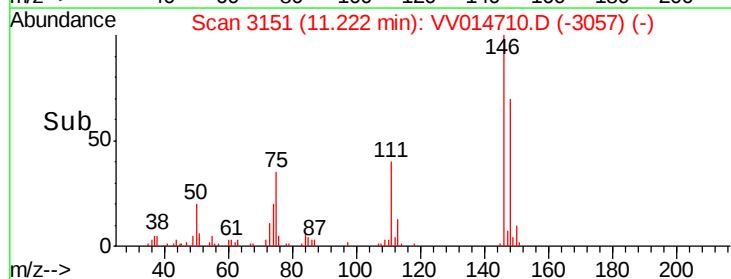
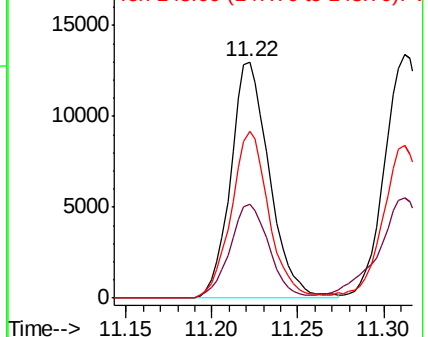
146 100

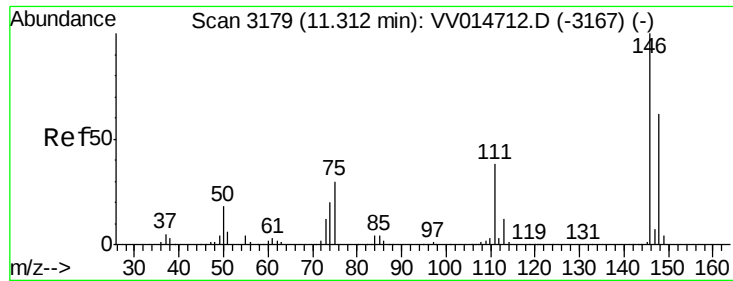
111 39.8 28.2 52.4

148 70.4 43.9 81.5



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

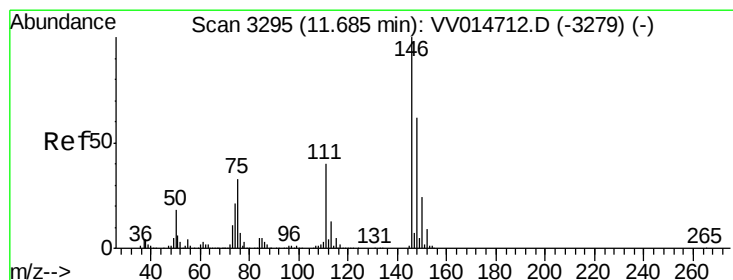
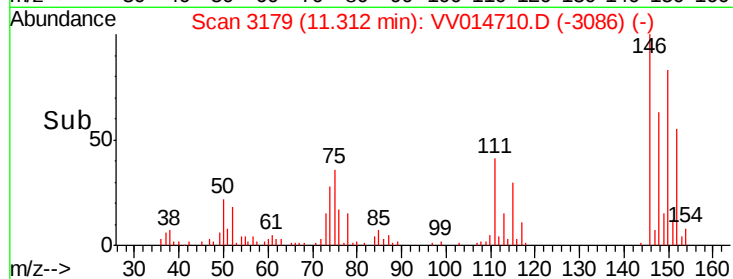
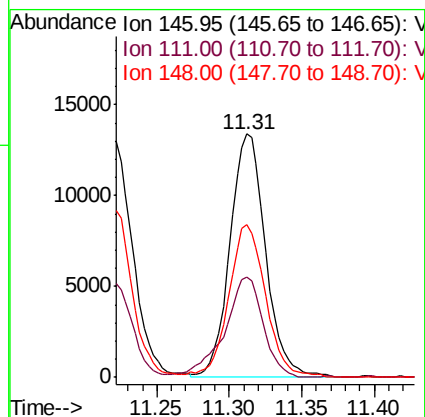
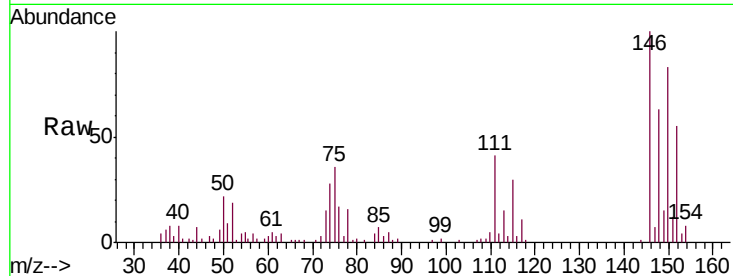




#63
 1,4-Dichlorobenzene
 Concen: 0.538 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

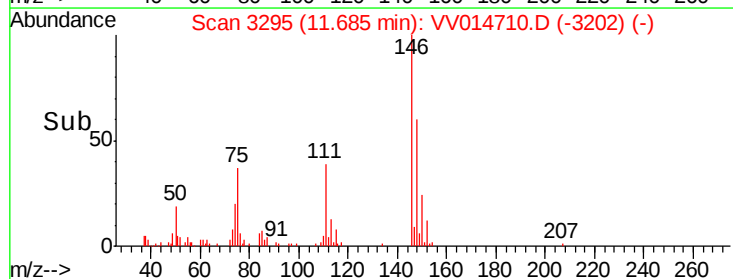
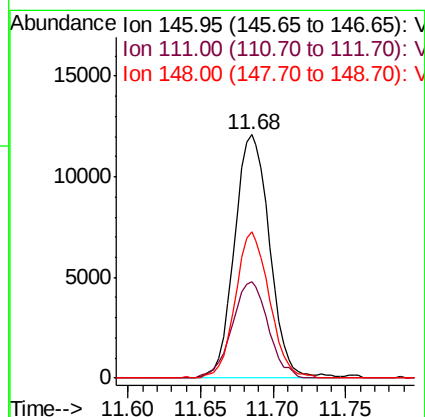
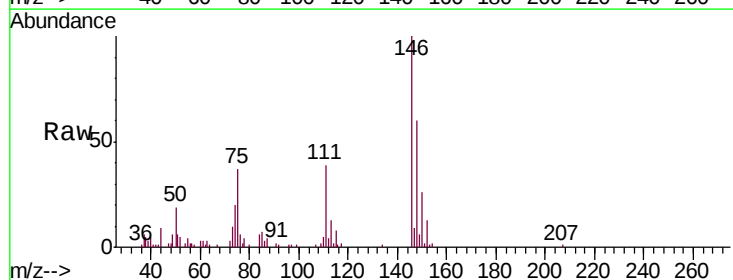
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

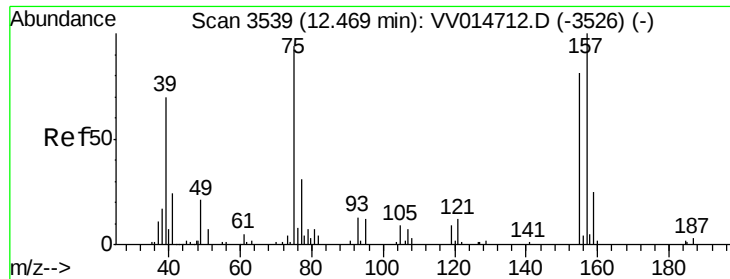
Tgt Ion:146 Resp: 22814
 Ion Ratio Lower Upper
 146 100
 111 41.3 26.9 49.9
 148 62.7 43.8 81.4



#65
 1,2-Dichlorobenzene
 Concen: 0.529 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Tgt Ion:146 Resp: 20353
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.8 47.8
 148 59.9 49.8 74.6

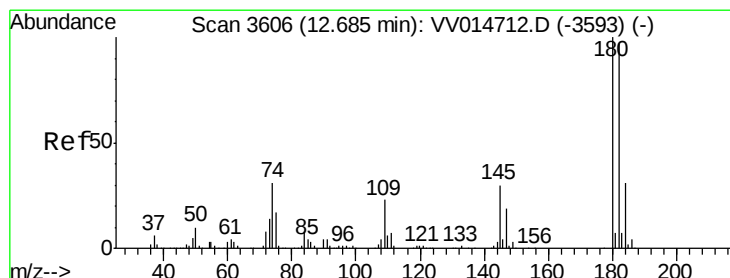
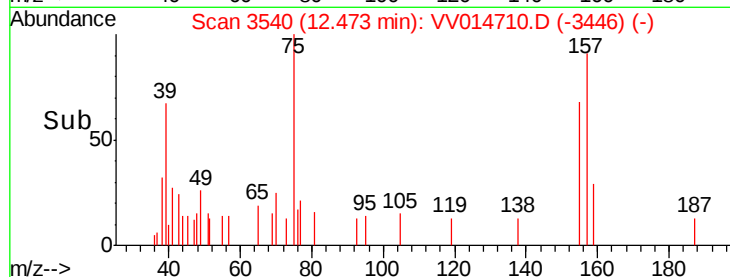
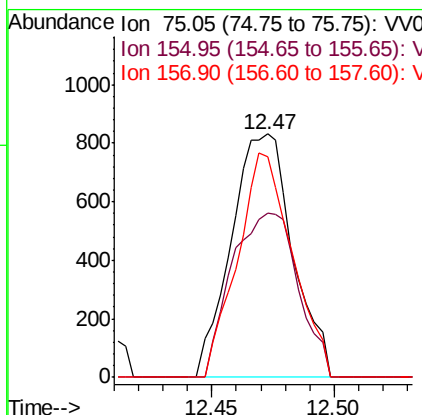
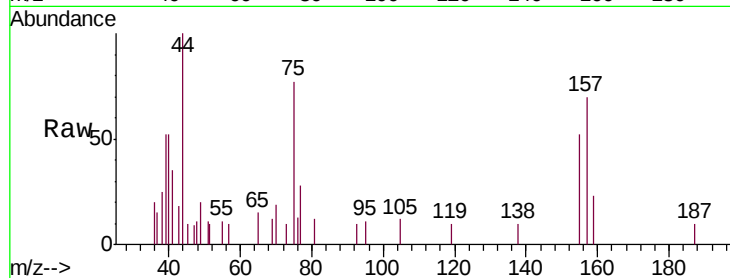




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.492 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

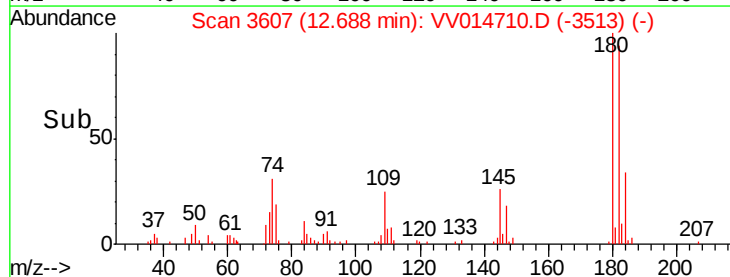
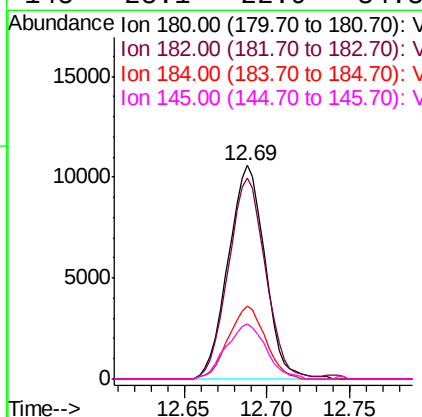
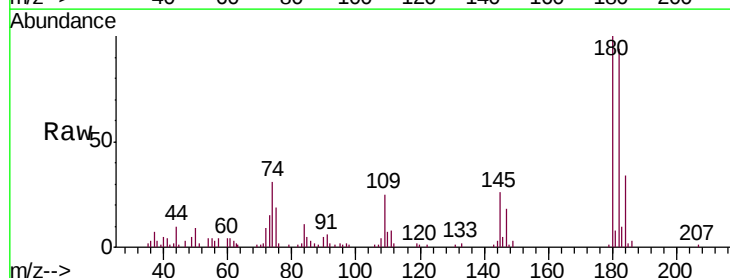
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

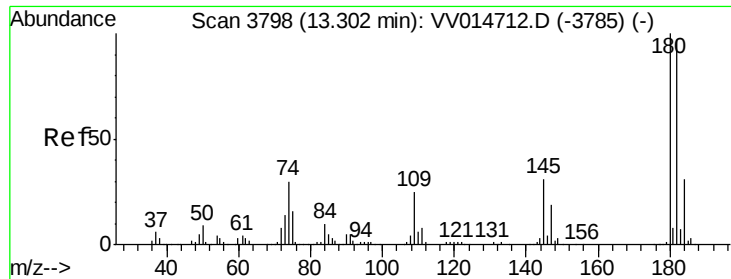
Tgt Ion: 75 Resp: 1453
 Ion Ratio Lower Upper
 75 100
 155 67.5 68.3 102.5#
 157 90.6 84.7 127.1



#67
 1,3,5-Trichlorobenzene
 Concen: 0.507 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Tgt Ion: 180 Resp: 16330
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.2 115.8
 184 34.0 24.2 36.2
 145 28.1 22.9 34.3

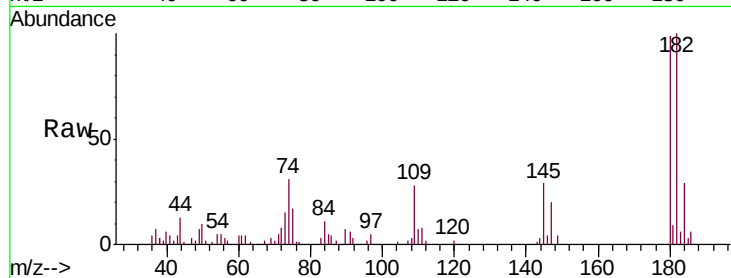




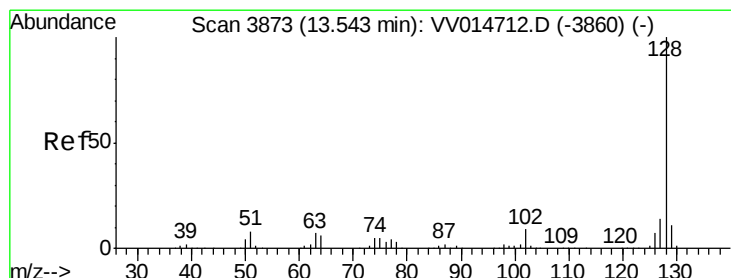
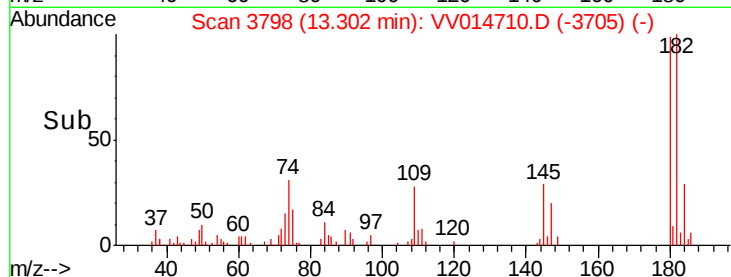
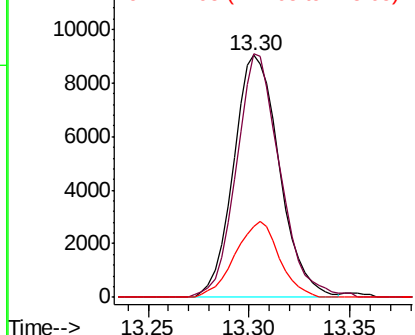
#68
 1,2,4-trichlorobenzene
 Concen: 0.534 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Tgt Ion:180 Resp: 14424
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 145 30.2 24.2 36.2

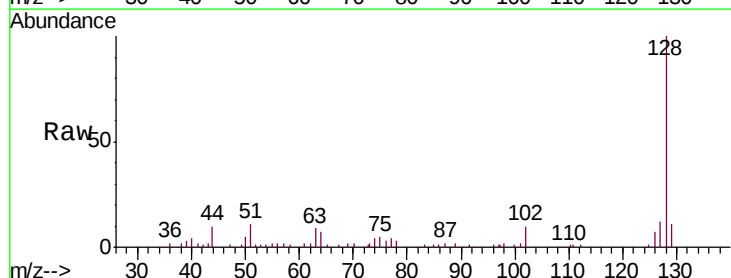


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

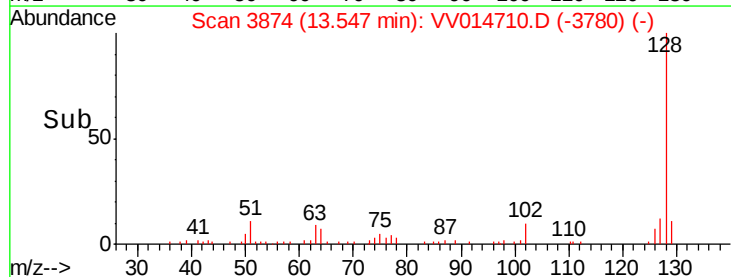
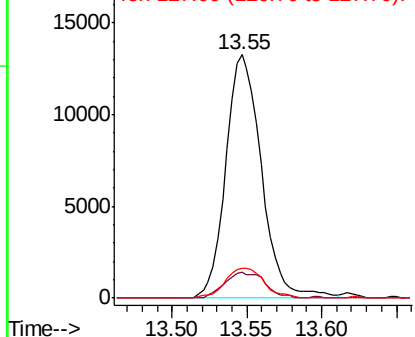


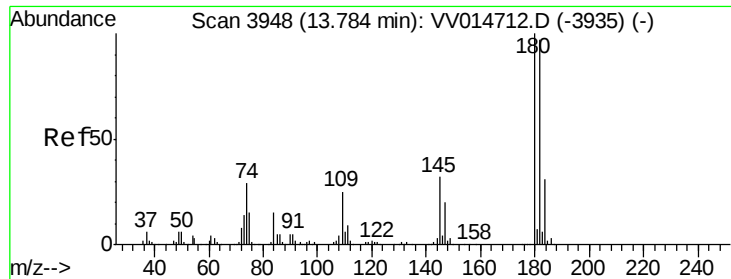
#69
 Naphthalene
 Concen: 0.469 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Tgt Ion:128 Resp: 21993
 Ion Ratio Lower Upper
 128 100
 129 11.9 8.7 13.1
 127 13.5 10.7 16.1



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: 0.548 ug/L
 RT: 13.79 min Scan# 3949
 Delta R.T. 0.00 min
 Lab File: VV014710.D
 Acq: 28 Feb 2020 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Tgt Ion:180 Resp: 12923
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 145 29.2 25.3 37.9

