

Data File : VV014714.D
Acq On : 28 Feb 2020 17:21
Operator : SY/MD
Sample : VSTD02036
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Quant Time: Feb 28 22:42:34 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	282102	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	272523	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	143938	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	461160	26.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	356795	28.15	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	790597	29.58	ug/L	0.00
20) 2-Butanone-d5	3.96	46	1074253	296.91	ug/L	-0.01
24) Chloroform-d	4.40	84	838728	23.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	413433	25.12	ug/L	0.00
32) Benzene-d6	5.09	84	1677299	21.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	523481	22.09	ug/L	0.00
41) Toluene-d8	7.35	98	1560259	21.65	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	216368	22.38	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	891748	248.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	381988	23.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	568033	21.97	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	682469	27.957	ug/L	100
3) Chloromethane	1.25	50	627052	31.537	ug/L	100
5) Vinyl chloride	1.32	62	590526	30.323	ug/L	99
6) Bromomethane	1.54	94	326979	42.163	ug/L	98
8) Chloroethane	1.60	64	311809	31.254	ug/L	99
9) Trichlorofluoromethane	1.77	101	781377	30.661	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	417686	30.309	ug/L	98
12) 1,1-Dichloroethene	2.14	96	402626	31.457	ug/L	91
13) Acetone	2.24	43	683339	292.333	ug/L	# 43
14) Carbon disulfide	2.32	76	1358262	23.237	ug/L	98
15) Methyl Acetate	2.48	43	212414	37.148	ug/L	98
16) Methylene chloride	2.53	84	458079	20.427	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	1111324	25.822	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	475784	23.644	ug/L	98
19) 1,1-Dichloroethane	3.23	63	926343	24.926	ug/L	100
21) 2-Butanone	4.05	43	1336034	331.861	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	519924	23.979	ug/L	96
23) Bromochloromethane	4.30	128	205183	24.960	ug/L	97
25) Chloroform	4.42	83	898104	24.215	ug/L	100
27) 1,2-Dichloroethane	5.18	62	555990	27.026	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	797298	24.158	ug/L	99
30) Cyclohexane	4.72	56	918003	24.195	ug/L	99
31) Carbon tetrachloride	4.87	117	704494	24.940	ug/L	99
33) Benzene	5.14	78	2004336	23.215	ug/L	100
34) Trichloroethene	5.96	95	518855	23.018	ug/L	97
35) Methylcyclohexane	6.17	83	910633	23.350	ug/L	99
37) 1,2-Dichloropropane	6.22	63	518057	24.021	ug/L	100
38) Bromodichloromethane	6.55	83	645099	24.610	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	802037	25.047	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	3188583	263.978	ug/L	99

Data File : VV014714.D
Acq On : 28 Feb 2020 17:21
Operator : SY/MD
Sample : VSTD02036
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Quant Time: Feb 28 22:42:34 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)
42) Toluene	7.43	91	2154155	23.380	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	624106	25.490	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	330838	23.809	ug/L	98
47) Tetrachloroethene	8.01	164	421766	25.312	ug/L	96
48) 2-Hexanone	8.18	43	2299012	271.820	ug/L	99
49) Dibromochloromethane	8.29	129	406472	24.687	ug/L	99
50) 1,2-Dibromoethane	8.39	107	312677	24.210	ug/L	96
51) Chlorobenzene	8.92	112	1363904	23.844	ug/L	99
52) Ethylbenzene	9.05	91	2505173	24.221	ug/L	100
53) m,p-xylene	9.18	106	939439	24.510	ug/L	99
54) o-xylene	9.58	106	907939	24.243	ug/L	99
55) Styrene	9.60	104	1555818	25.100	ug/L	97
56) Isopropylbenzene	9.97	105	2476424	25.038	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	422738	25.794	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	304286	25.272	ug/L	98
61) Bromoform	9.77	173	220554	25.391	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1135192	23.917	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1125794	23.802	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1020816	23.829	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	70533	21.448	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	930929	25.928	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	812351	26.998	ug/L	98
69) Naphthalene	13.54	128	1382094	26.436	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	715372	27.239	ug/L	100

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

Data File : VV014714.D

Acq On : 28 Feb 2020 17:21

Operator : SY/MD

Sample : VSTD02036

Misc : 25.0mL/MSVOA V/WATER

```
ALS Vial      : 7      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

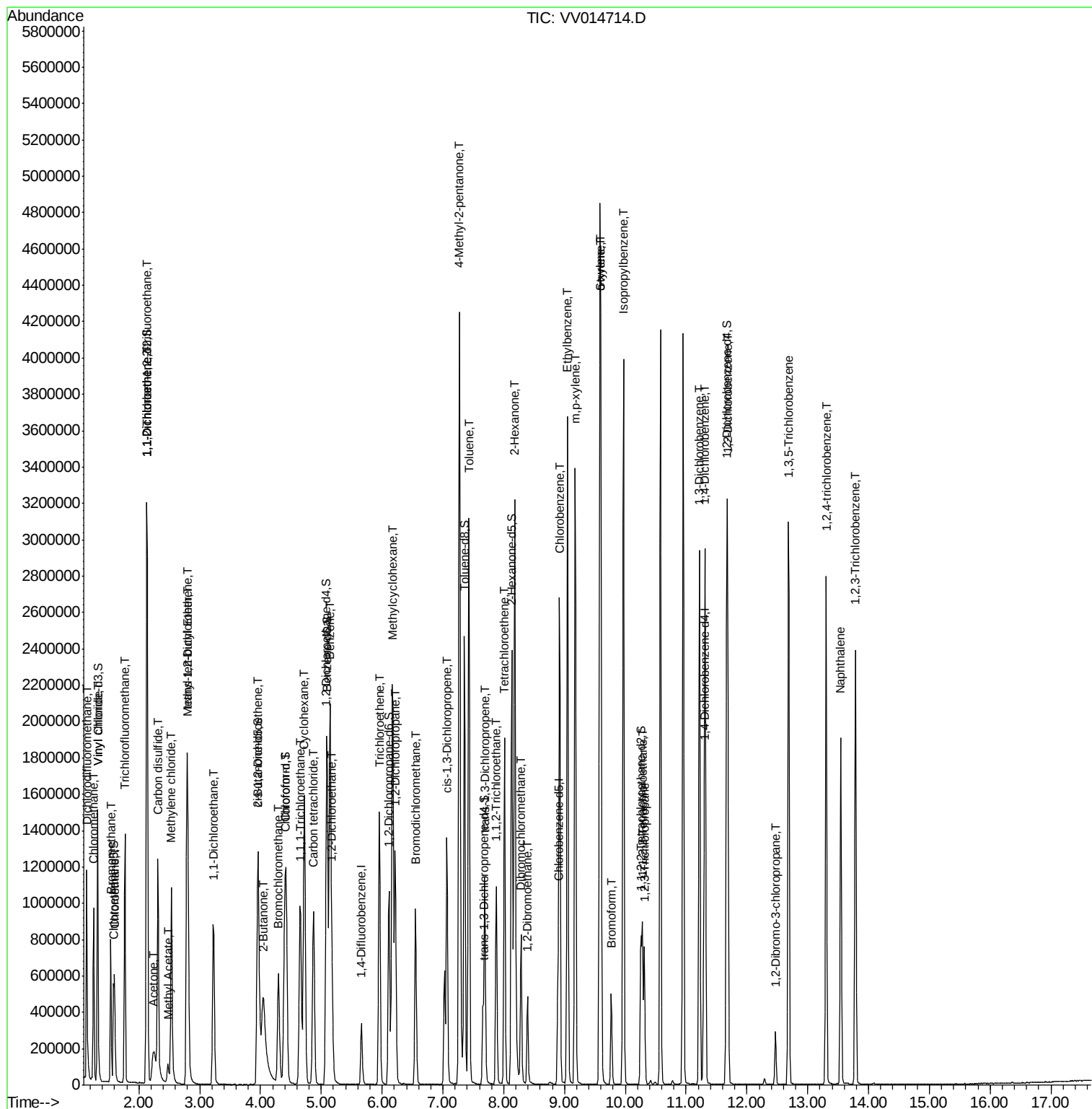
Quant Time: Feb 28 22:42:34 2020

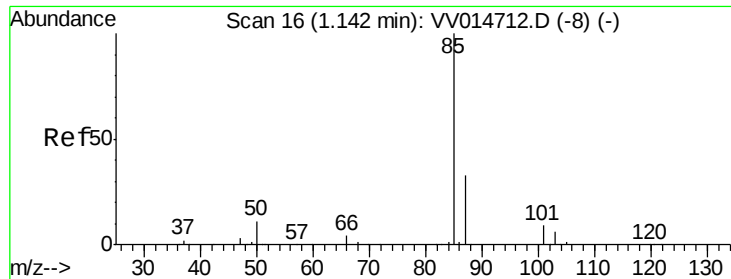
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR022820WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Feb 28 22:38:31 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.957 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

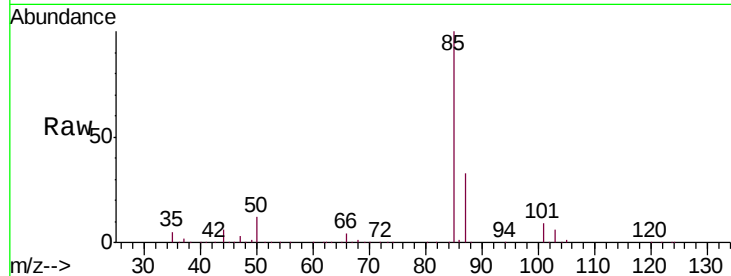
VSTD02036

Tgt Ion: 85 Resp: 682469

Ion Ratio Lower Upper

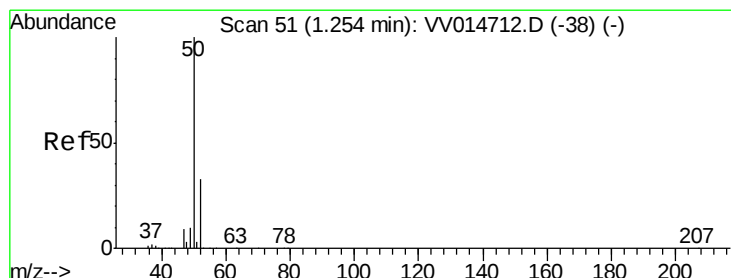
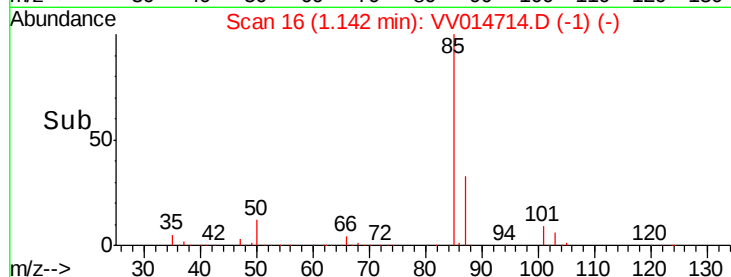
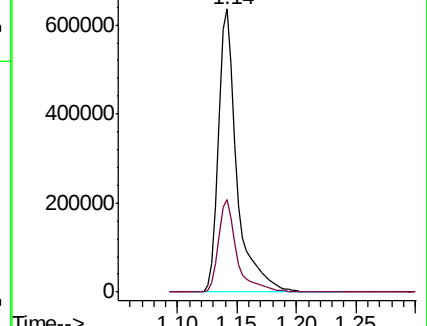
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 31.537 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV014714.D

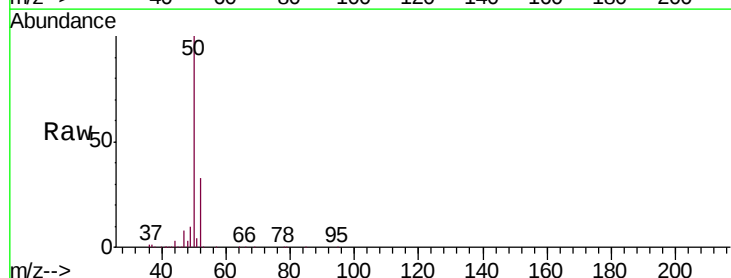
Acq: 28 Feb 2020 17:21

Tgt Ion: 50 Resp: 627052

Ion Ratio Lower Upper

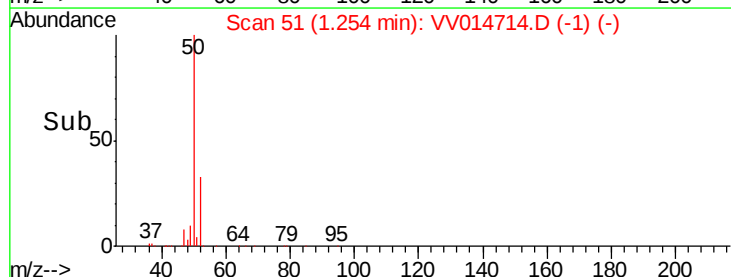
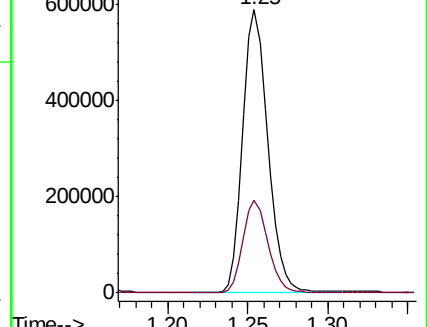
50 100

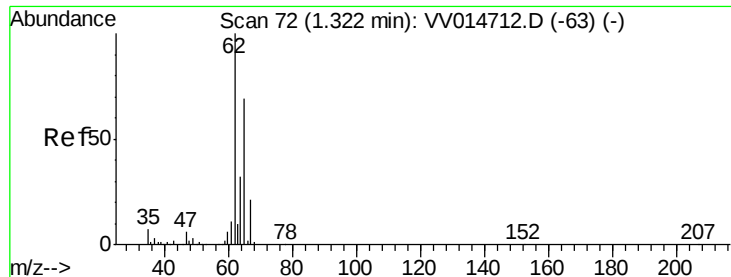
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 30.323 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

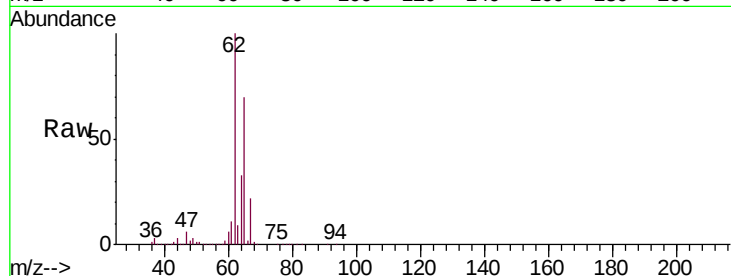
VSTD02036

Tgt Ion: 62 Resp: 590526

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV014712.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV014714.D (-45) (-)

1.32

600000

500000

400000

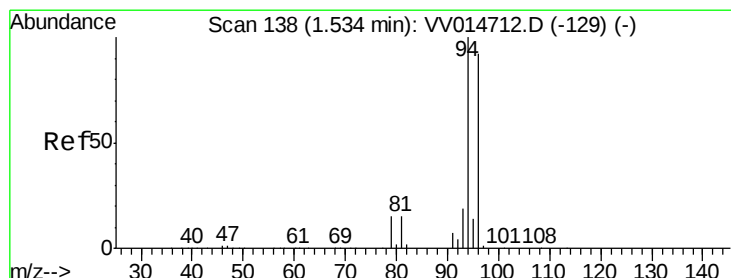
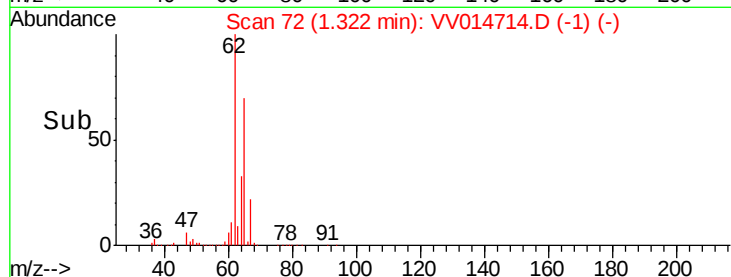
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 42.163 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014714.D

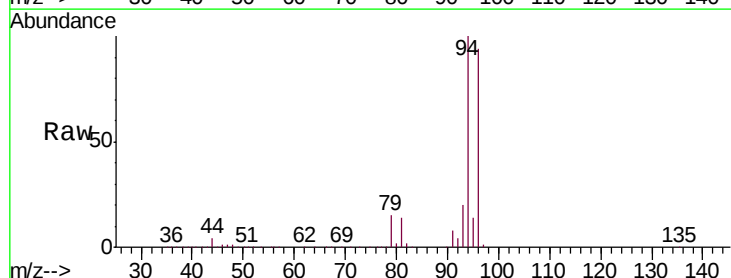
Acq: 28 Feb 2020 17:21

Tgt Ion: 94 Resp: 326979

Ion Ratio Lower Upper

94 100

96 94.2 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV014712.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014714.D (-45) (-)

1.54

300000

250000

200000

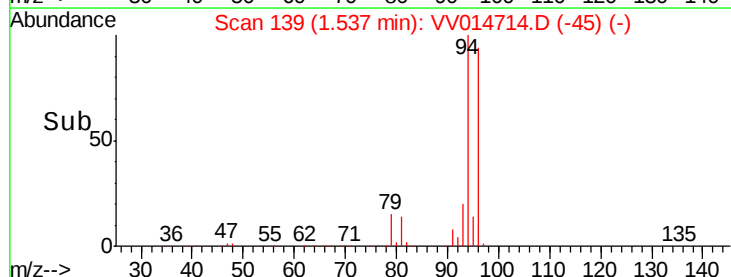
150000

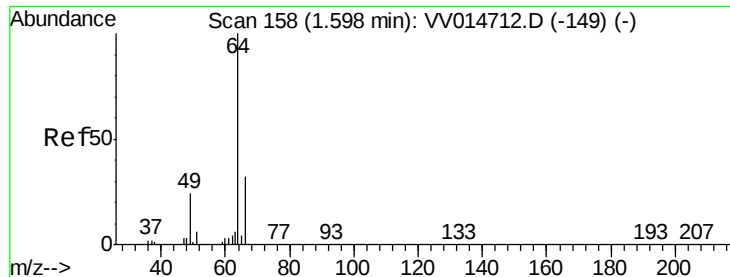
100000

50000

0

Time--> 1.45 1.50 1.55 1.60 1.65





#8

Chloroethane

Concen: 31.254 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

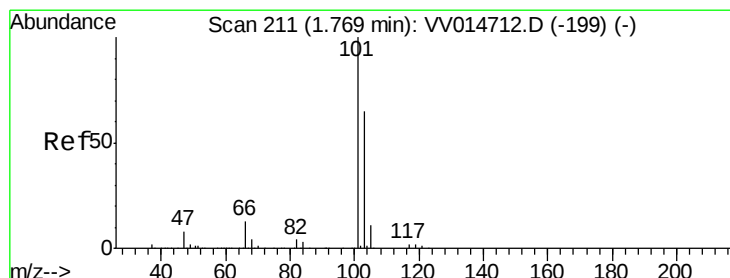
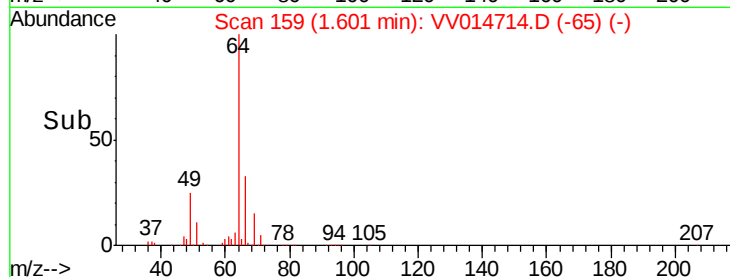
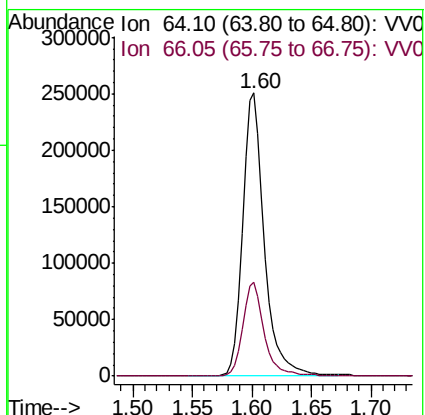
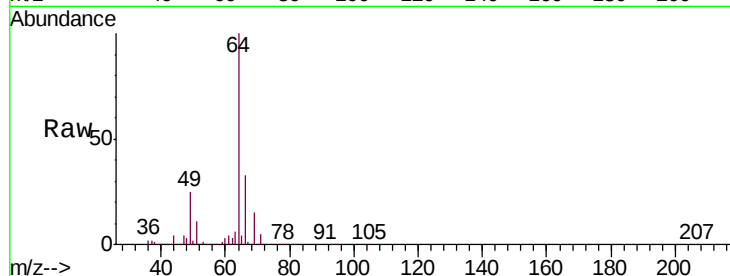
VSTD02036

Tgt Ion: 64 Resp: 311809

Ion Ratio Lower Upper

64 100

66 33.1 22.7 42.1



#9

Trichlorofluoromethane

Concen: 30.661 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014714.D

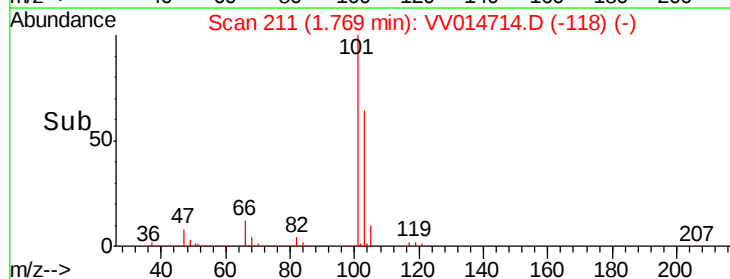
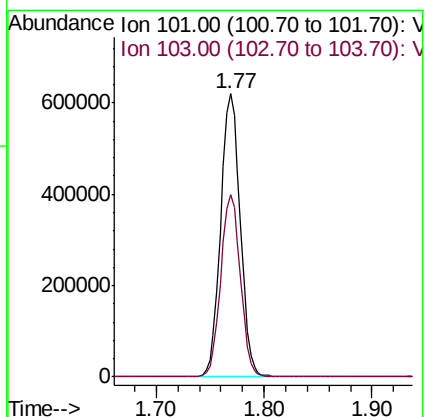
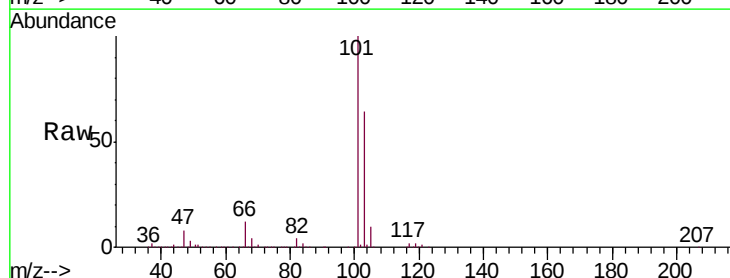
Acq: 28 Feb 2020 17:21

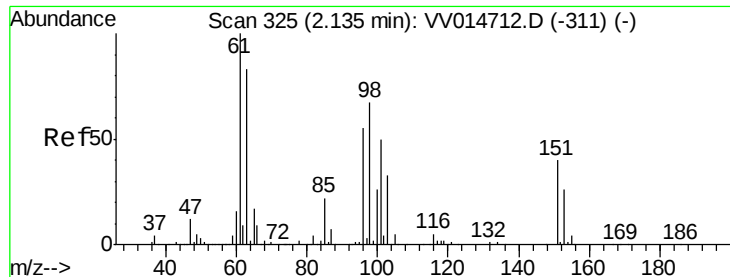
Tgt Ion: 101 Resp: 781377

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6





#10

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

Concen: 30.309 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

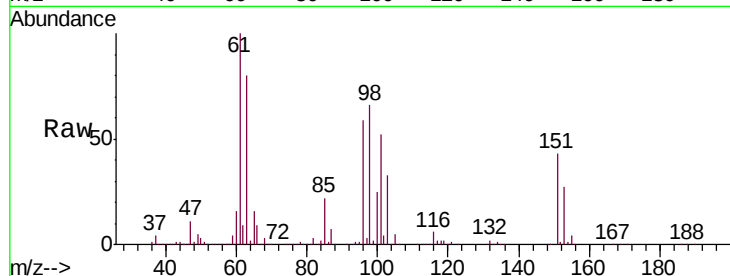
Tgt Ion: 101 Resp: 417686

Ion Ratio Lower Upper

101 100

85 42.7 35.3 52.9

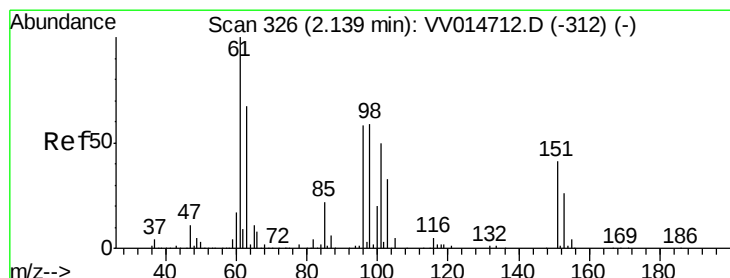
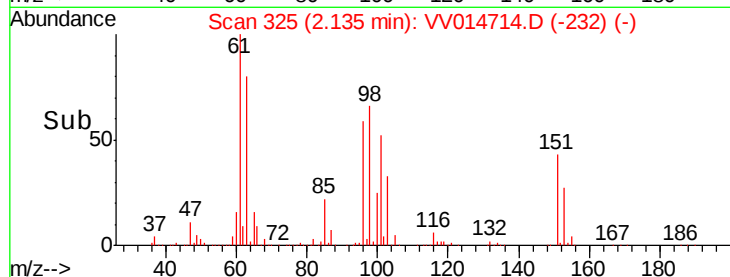
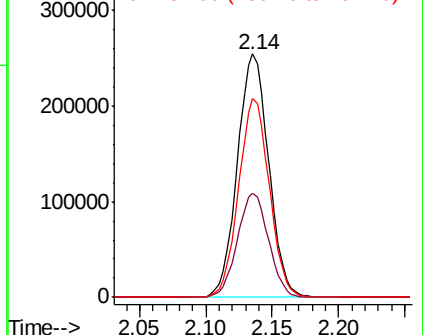
151 80.2 65.3 97.9



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: 31.457 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

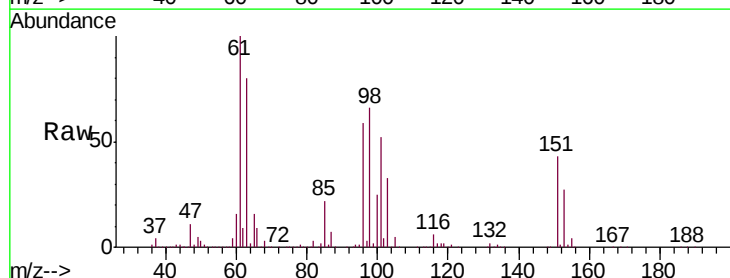
Tgt Ion: 96 Resp: 402626

Ion Ratio Lower Upper

96 100

61 169.0 121.3 225.3

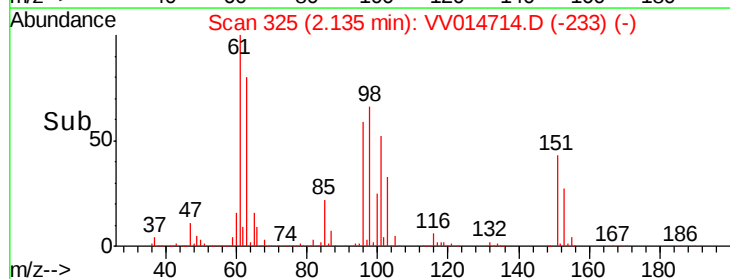
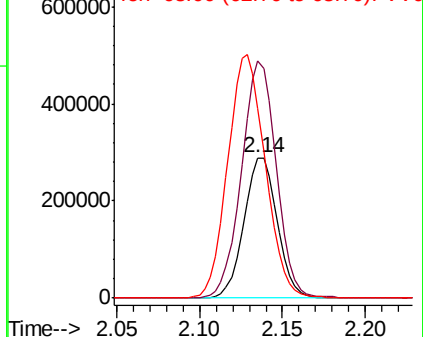
63 135.2 81.6 151.6

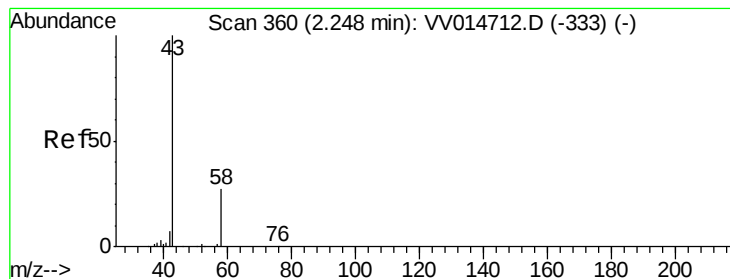


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 292.333 ug/L

RT: 2.24 min Scan# 359

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

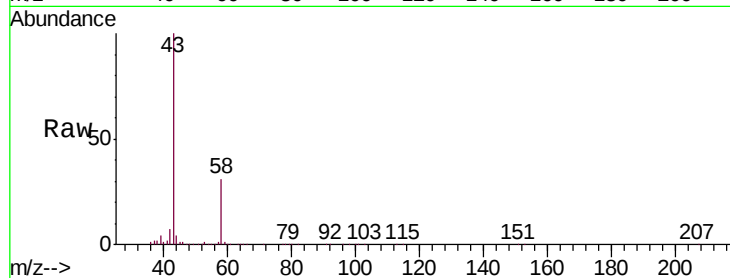
VSTD02036

Tgt Ion: 43 Resp: 683339

Ion Ratio Lower Upper

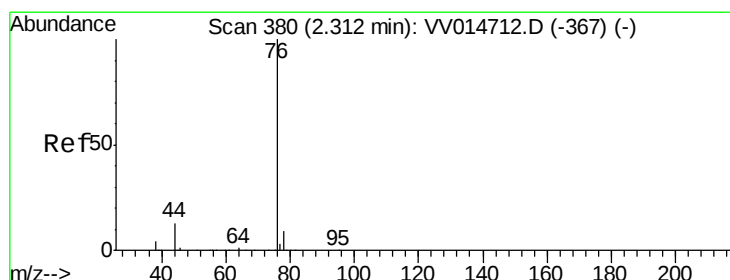
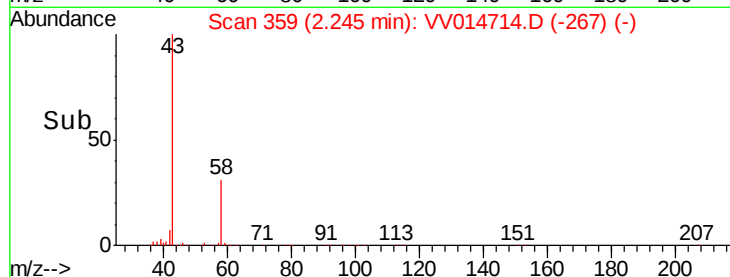
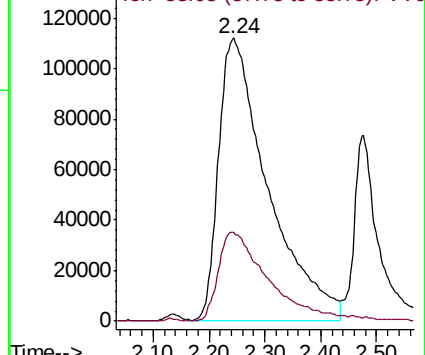
43 100

58 31.3 0.0 20.0#



Abundance Ion 43.05 (42.75 to 43.75): VV014712.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV014712.D (-333) (-)



#14

Carbon disulfide

Concen: 23.237 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014714.D

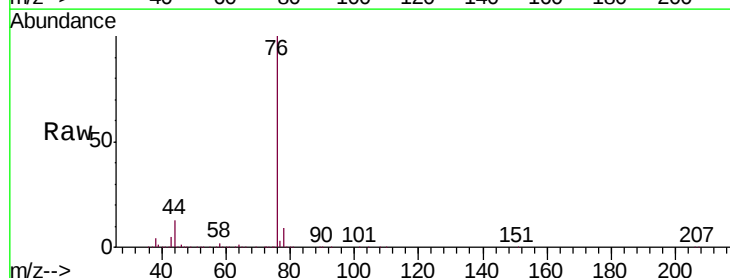
Acq: 28 Feb 2020 17:21

Tgt Ion: 76 Resp: 1358262

Ion Ratio Lower Upper

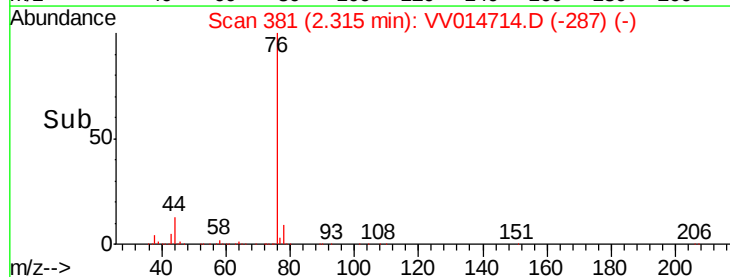
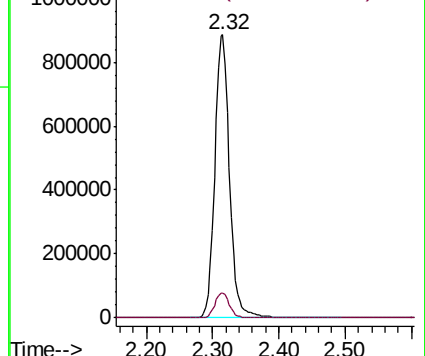
76 100

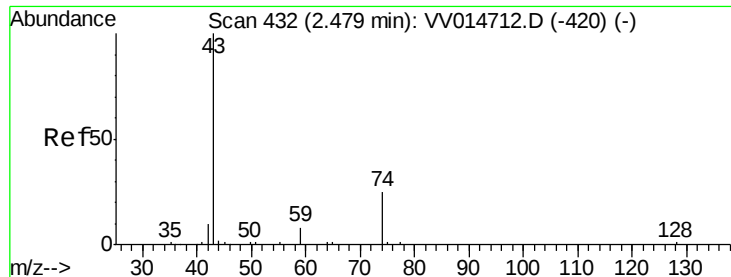
78 8.9 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV014712.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV014712.D (-367) (-)

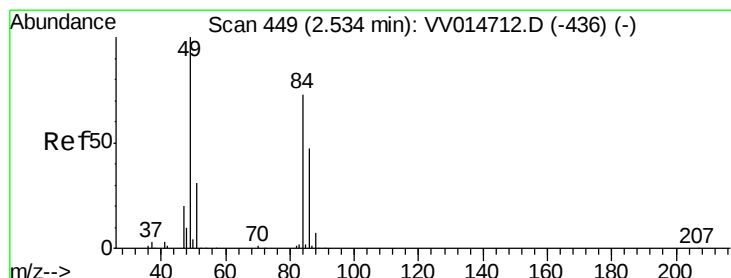
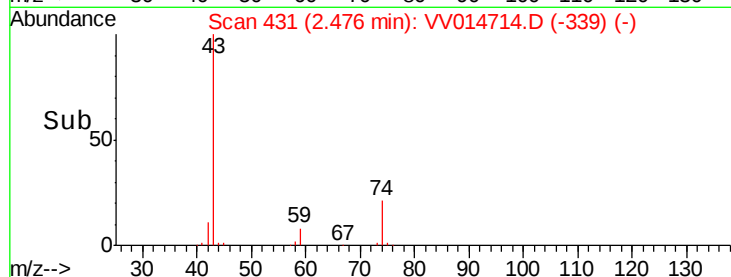
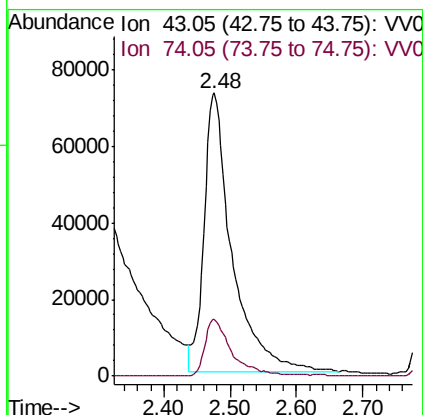
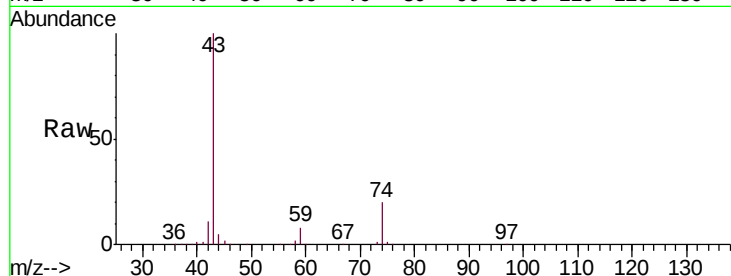




#15
Methyl Acetate
Concen: 37.148 ug/L
RT: 2.48 min Scan# 431
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

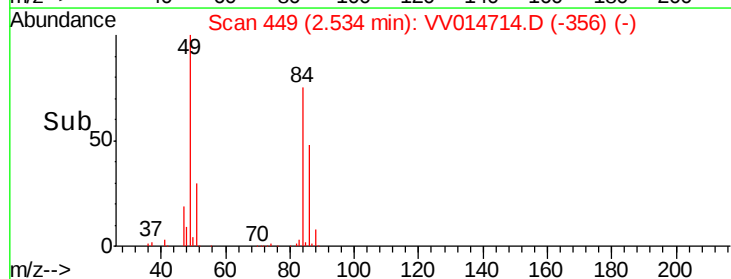
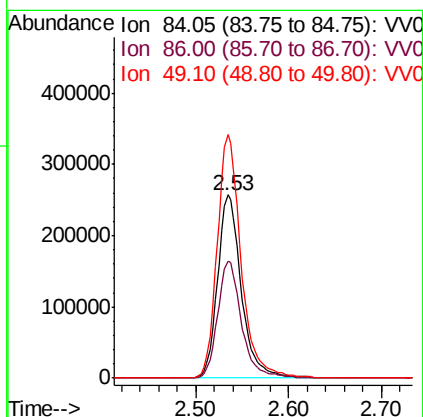
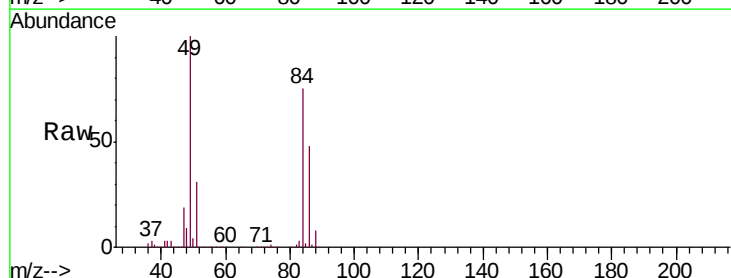
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

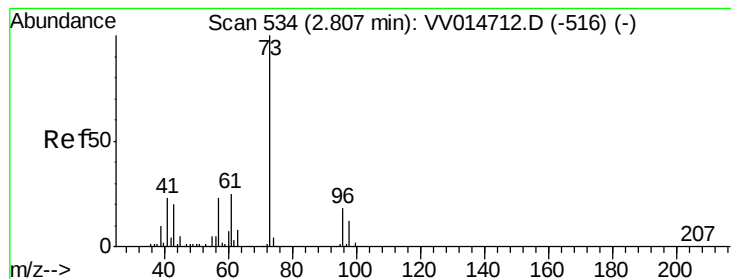
Tgt Ion: 43 Resp: 212414
Ion Ratio Lower Upper
43 100
74 19.5 14.8 22.2



#16
Methylene chloride
Concen: 20.427 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

Tgt Ion: 84 Resp: 458079
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.5
49 132.8 95.6 177.6



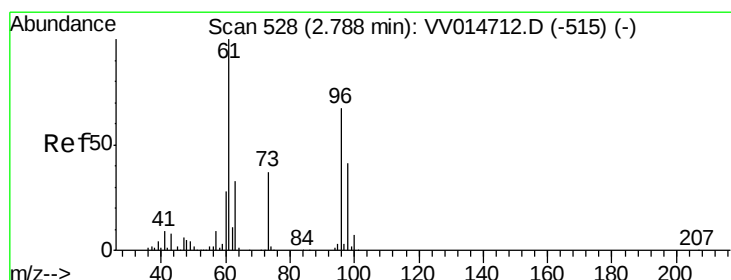
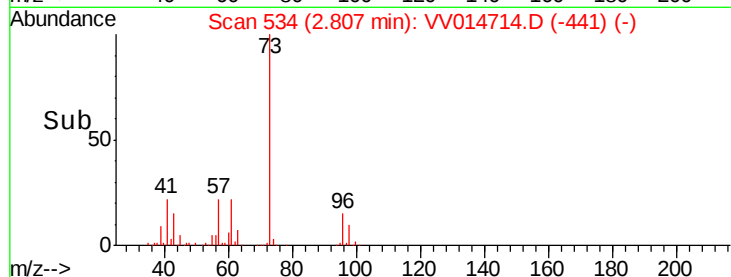
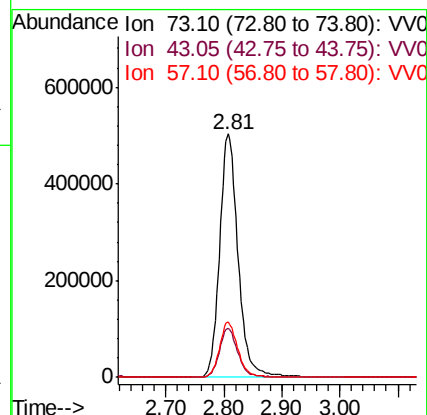
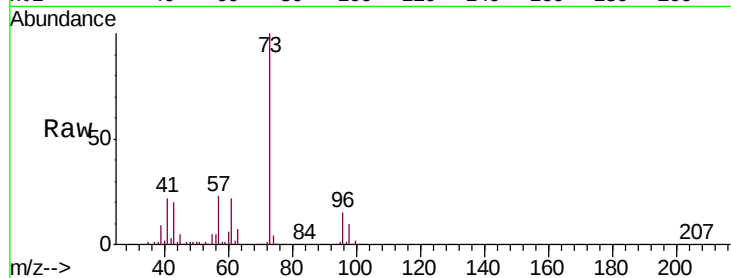


#17

Methyl tert-butyl Ether
 Concen: 25.822 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

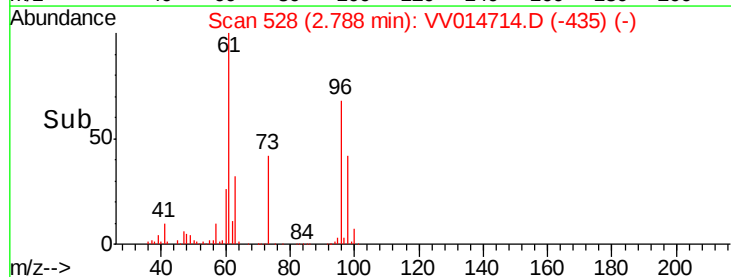
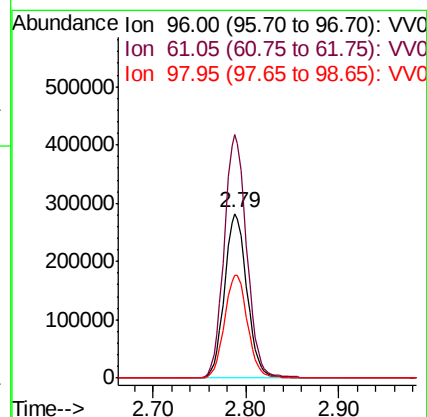
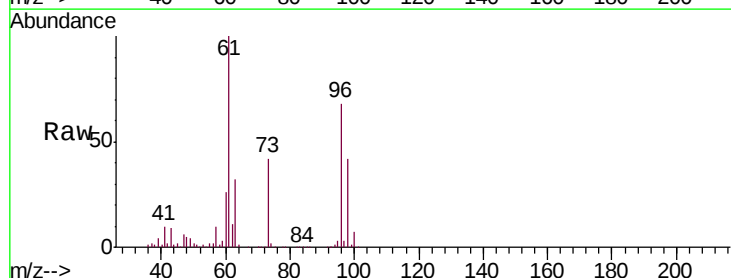
Tgt Ion: 73 Resp: 1111324
 Ion Ratio Lower Upper
 73 100
 43 19.7 16.0 24.0
 57 22.6 18.4 27.6

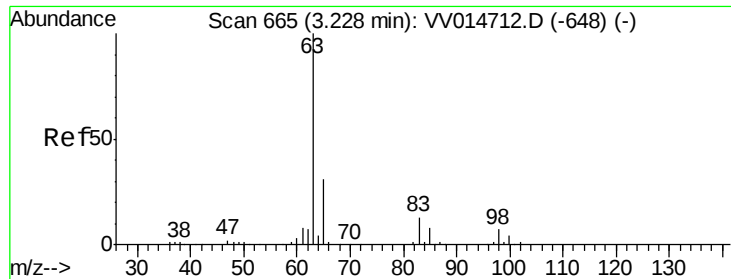


#18

trans-1,2-Dichloroethene
 Concen: 23.644 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 96 Resp: 475784
 Ion Ratio Lower Upper
 96 100
 61 148.0 104.9 194.9
 98 62.8 42.9 79.7

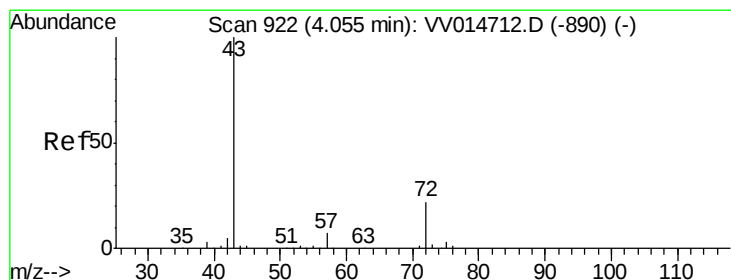
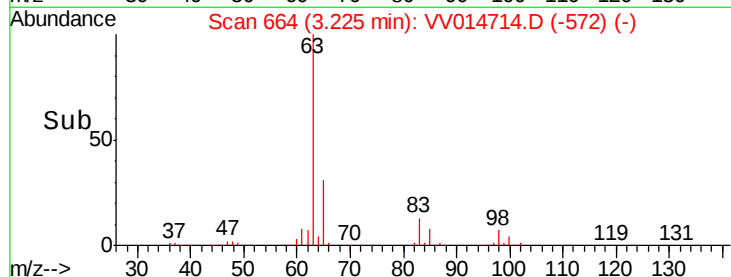
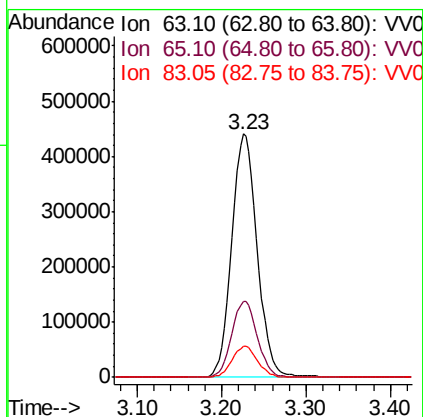
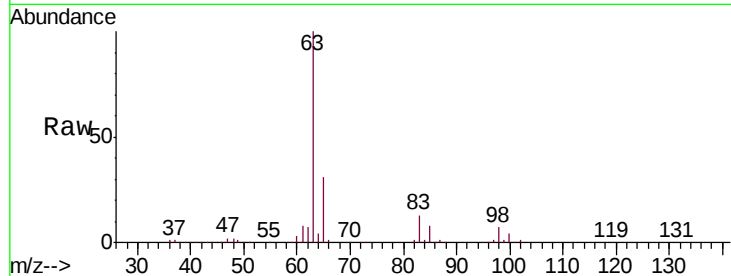




#19
 1,1-Dichloroethane
 Concen: 24.926 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

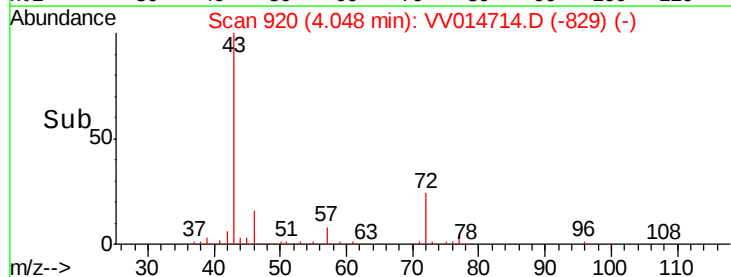
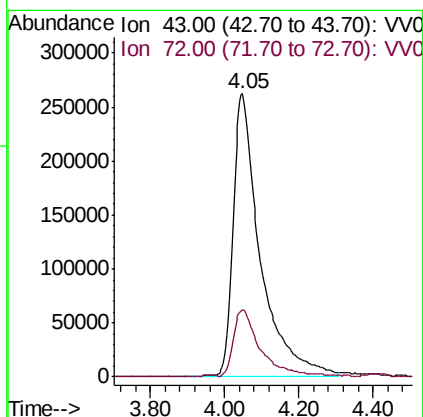
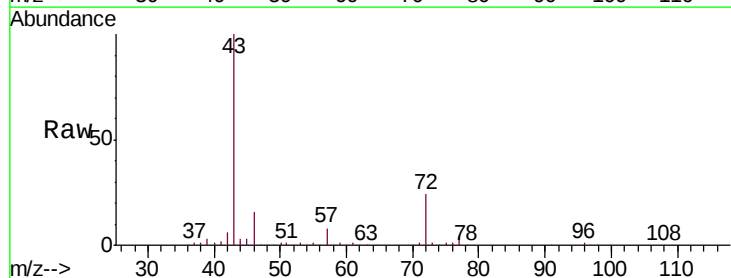
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

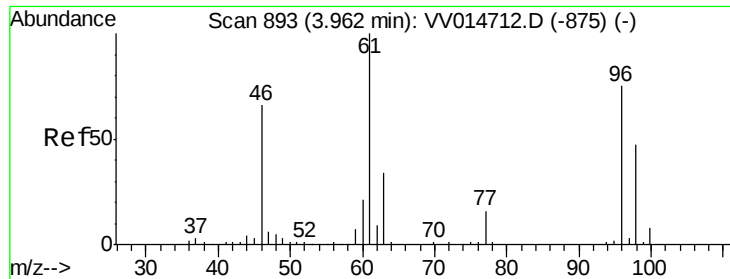
Tgt Ion: 63 Resp: 926343
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.9 40.7
 83 12.8 9.0 16.6



#21
 2-Butanone
 Concen: 331.861 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 43 Resp: 1336034
 Ion Ratio Lower Upper
 43 100
 72 22.5 10.5 31.6



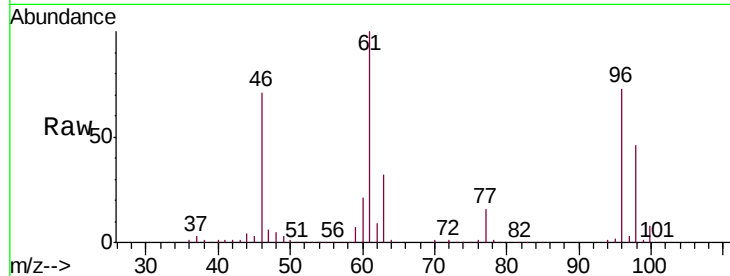


#22

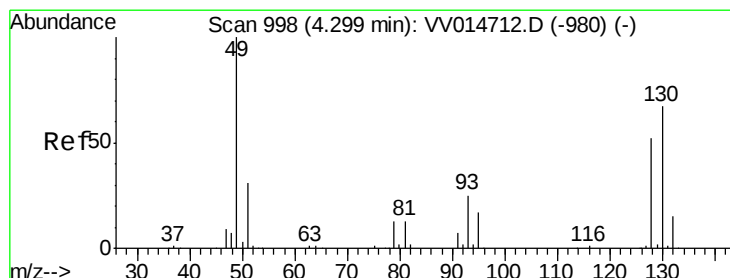
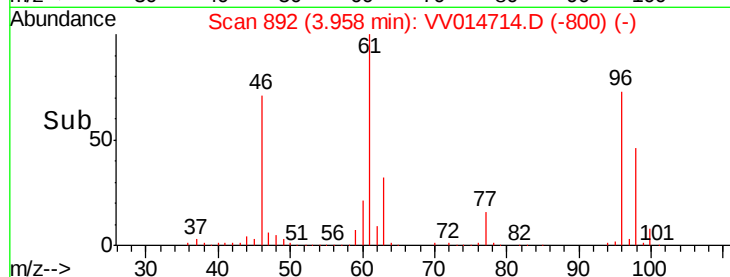
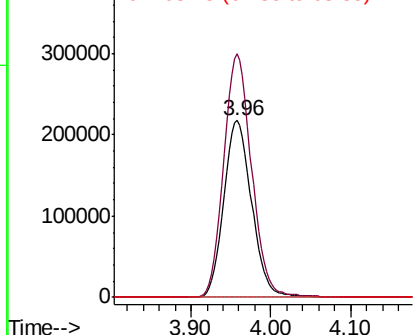
cis-1,2-Dichloroethene
 Concen: 23.979 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion: 96 Resp: 519924
 Ion Ratio Lower Upper
 96 100
 61 137.8 93.3 173.3
 68 0.0 0.0 0.0



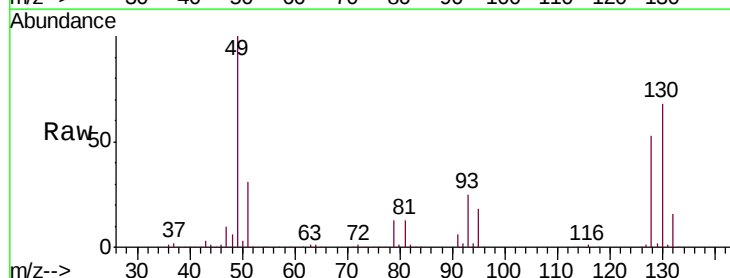
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



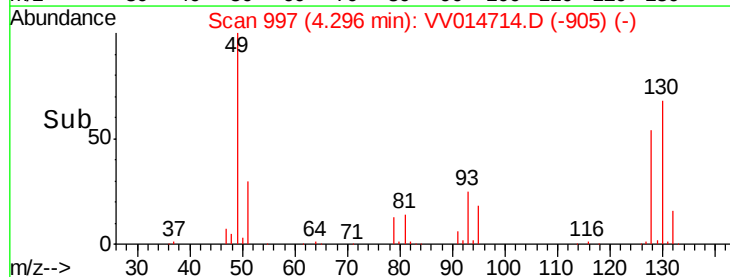
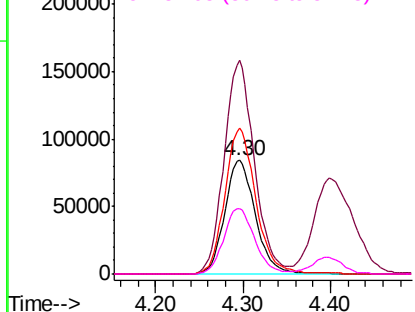
#23

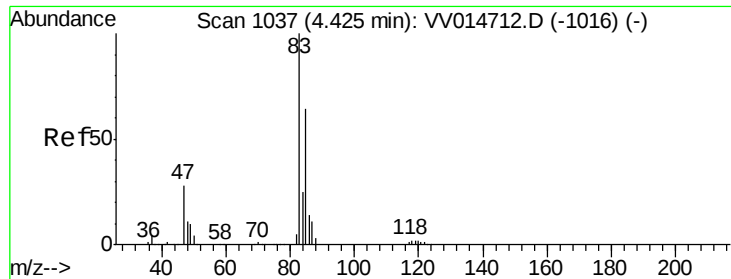
Bromochloromethane
 Concen: 24.960 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 128 Resp: 205183
 Ion Ratio Lower Upper
 128 100
 49 187.7 136.2 252.9
 130 127.8 90.3 167.7
 51 57.7 47.9 71.9



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

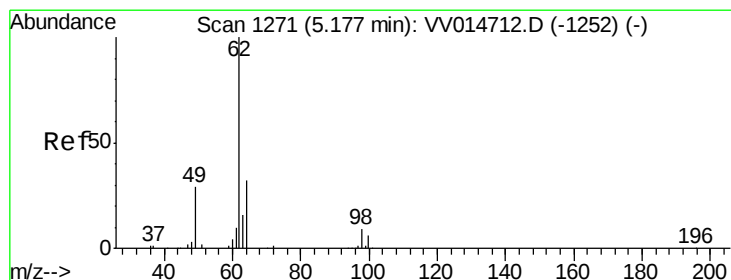
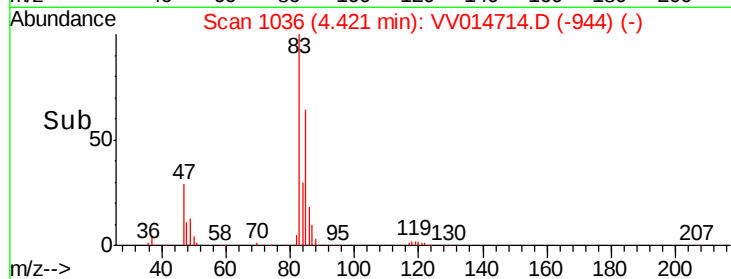
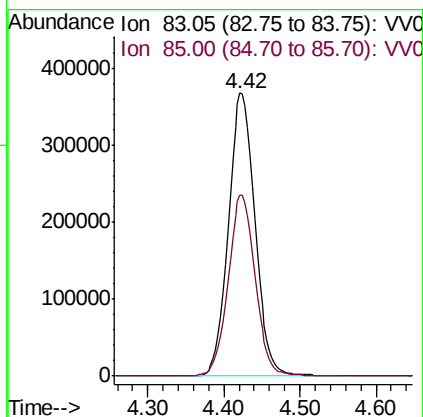
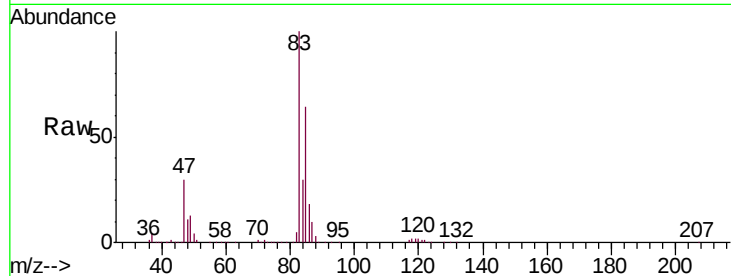




#25
Chloroform
Concen: 24.215 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

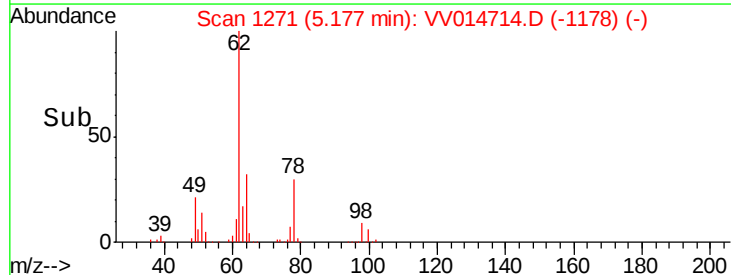
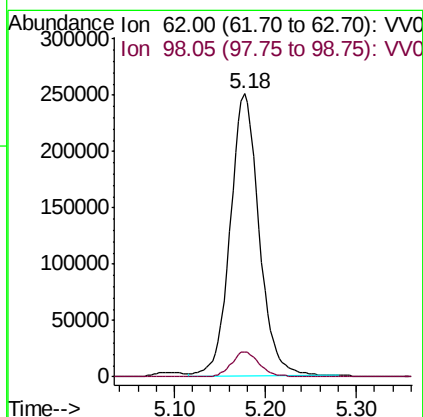
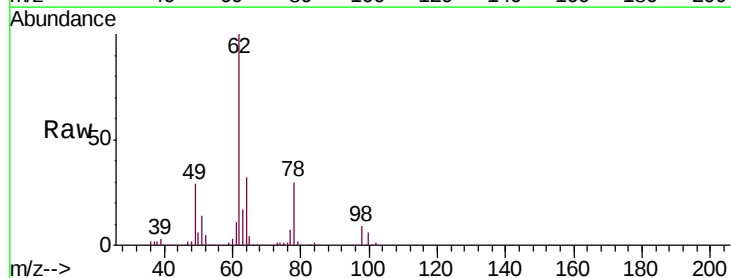
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

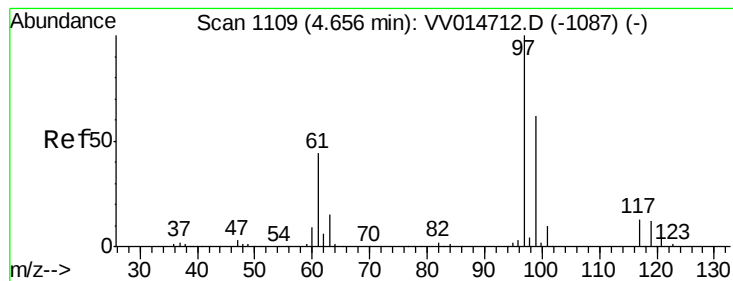
Tgt Ion: 83 Resp: 898104
Ion Ratio Lower Upper
83 100
85 64.0 44.7 83.1



#27
1,2-Dichloroethane
Concen: 27.026 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

Tgt Ion: 62 Resp: 555990
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 24.158 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

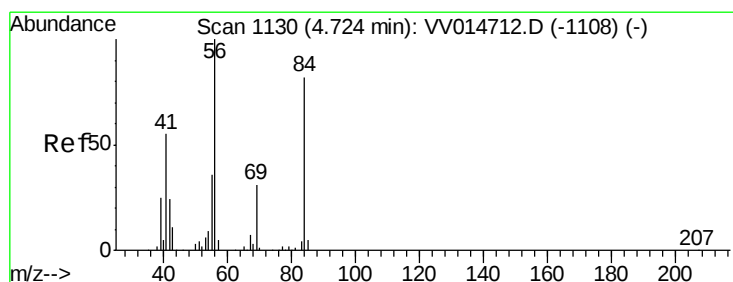
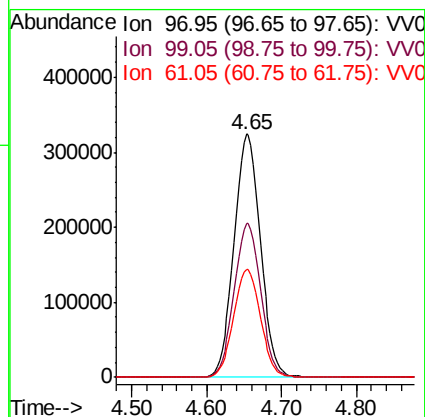
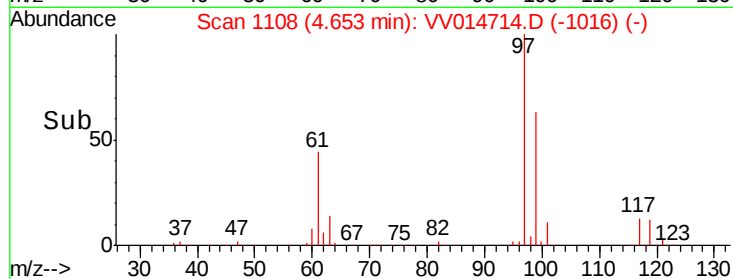
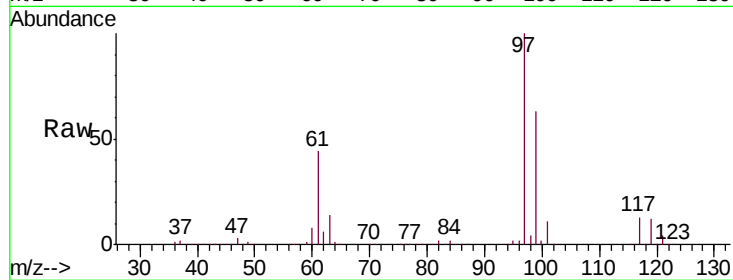
Tgt Ion: 97 Resp: 797298

Ion Ratio Lower Upper

97 100

99 63.9 50.6 76.0

61 45.3 36.3 54.5



#30

Cyclohexane

Concen: 24.195 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

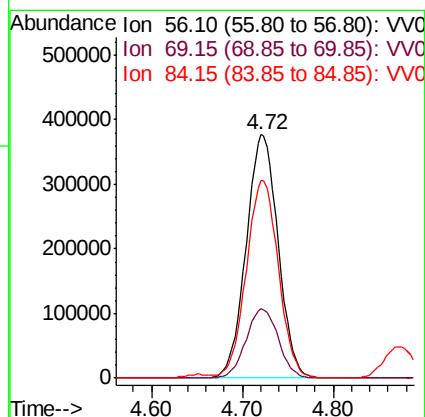
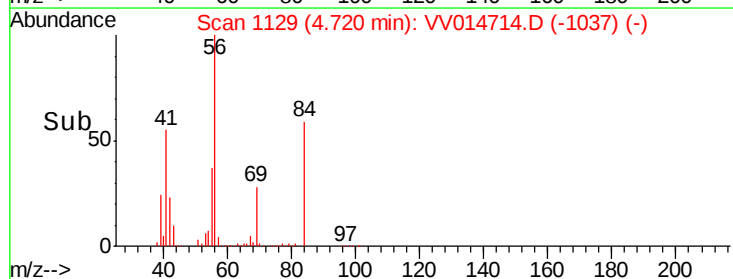
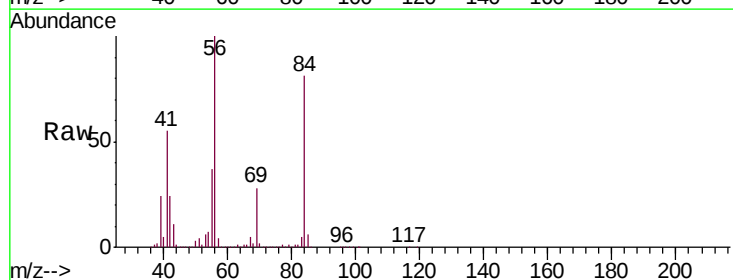
Tgt Ion: 56 Resp: 918003

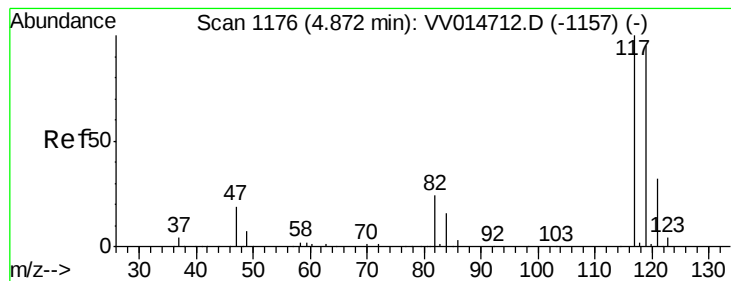
Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.2

84 81.6 66.3 99.5





#31

Carbon tetrachloride

Concen: 24.940 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

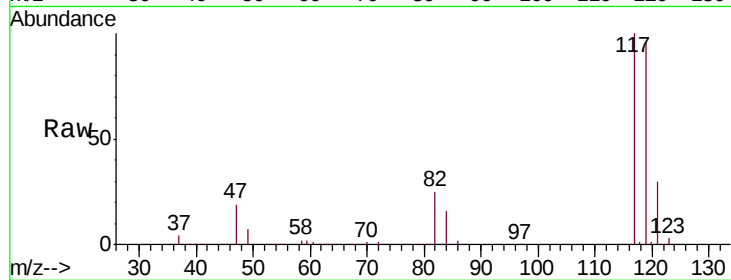
VSTD02036

Tgt Ion:117 Resp: 704494

Ion Ratio Lower Upper

117 100

119 95.8 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

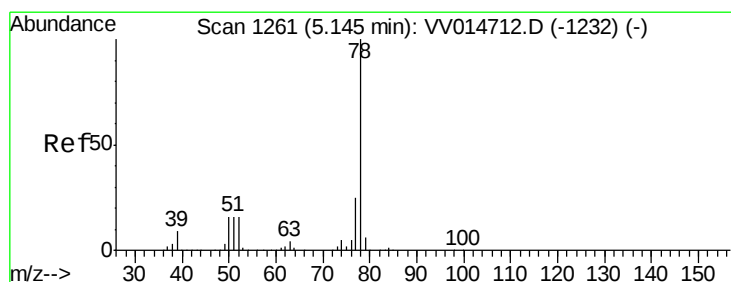
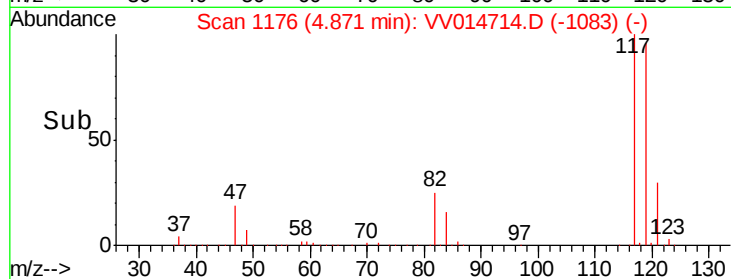
300000

200000

100000

0

Time-->



#33

Benzene

Concen: 23.215 ug/L

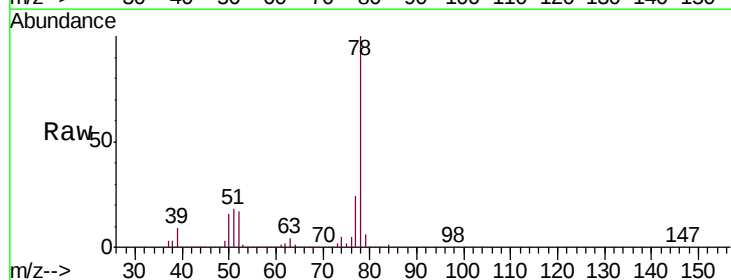
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Tgt Ion: 78 Resp: 2004336



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

1000000

800000

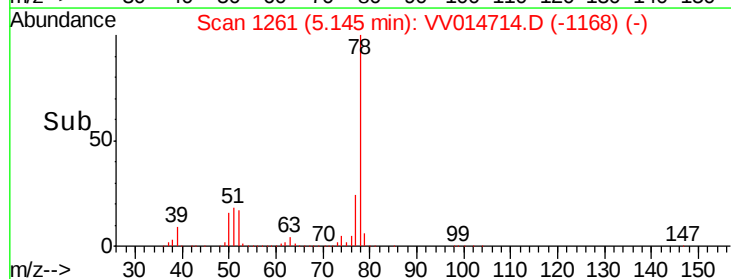
600000

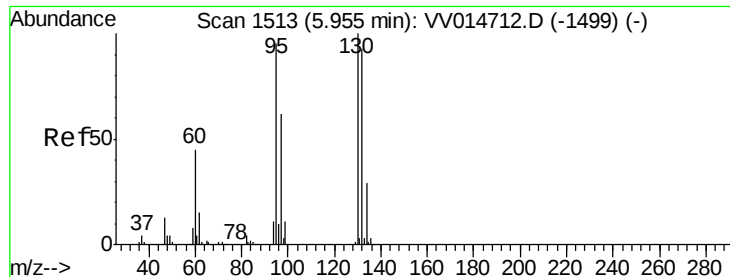
400000

200000

0

Time-->





#34

Trichloroethene

Concen: 23.018 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

Tgt Ion: 95 Resp: 518855

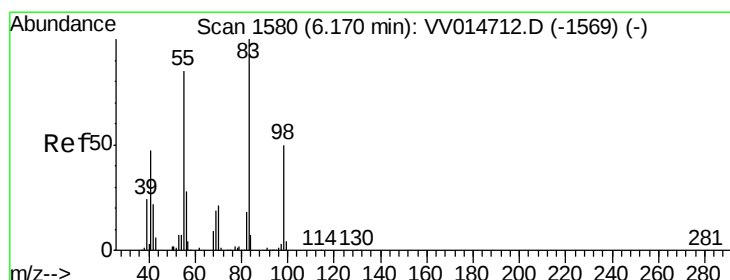
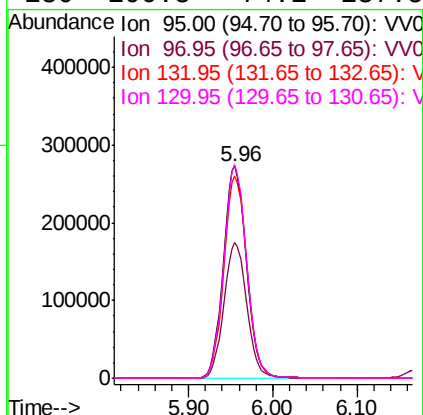
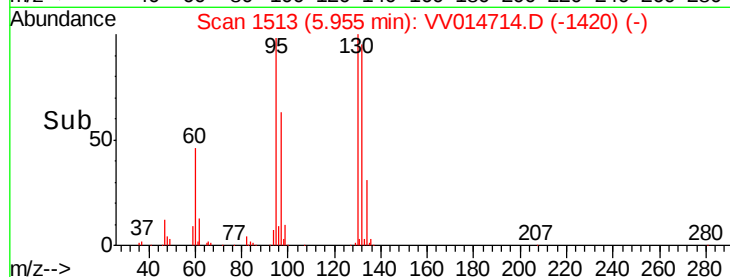
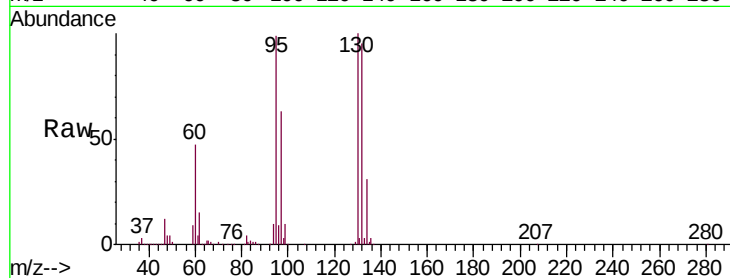
Ion Ratio Lower Upper

95 100

97 63.7 45.8 85.0

132 95.3 68.7 127.5

130 100.8 74.1 137.5



#35

Methylcyclohexane

Concen: 23.350 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

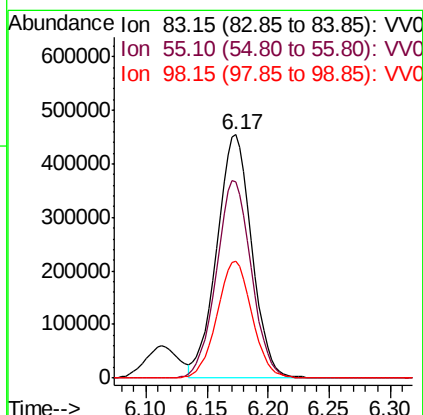
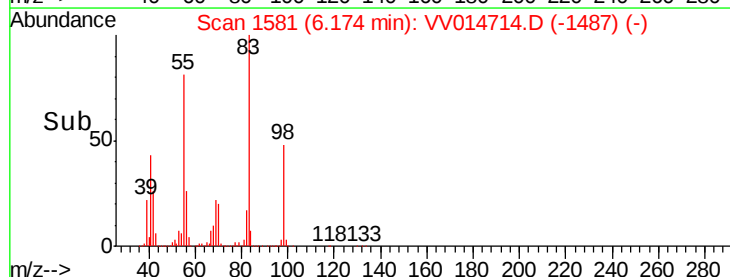
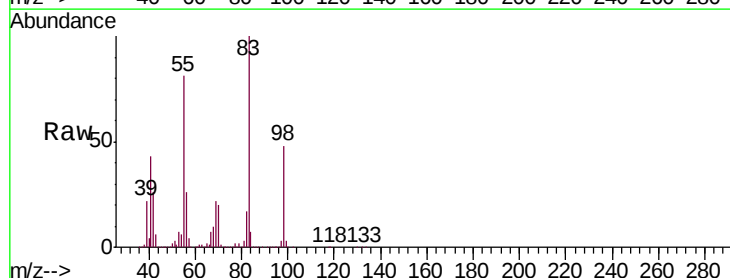
Tgt Ion: 83 Resp: 910633

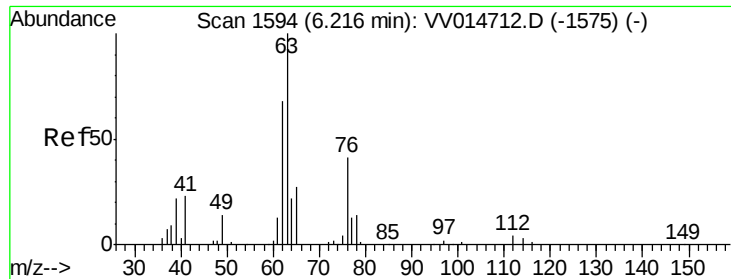
Ion Ratio Lower Upper

83 100

55 81.3 64.6 96.8

98 48.0 37.8 56.8

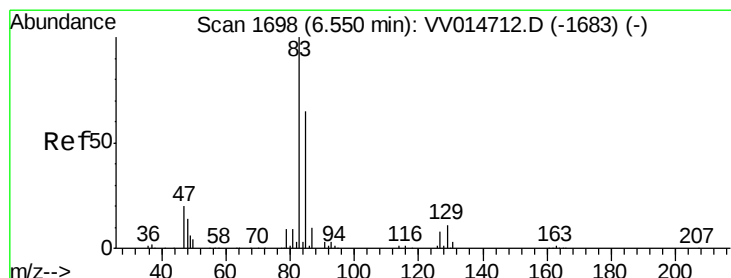
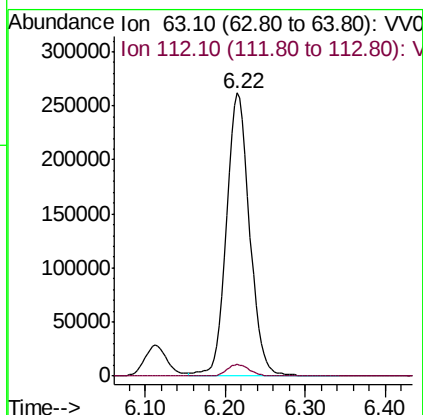
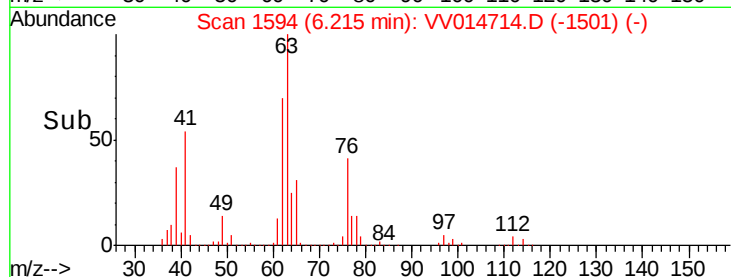
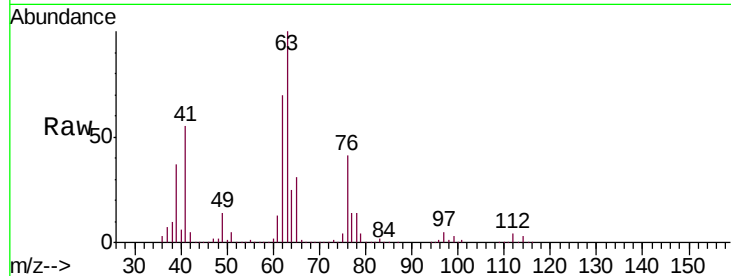




#37
 1,2-Dichloropropane
 Concen: 24.021 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

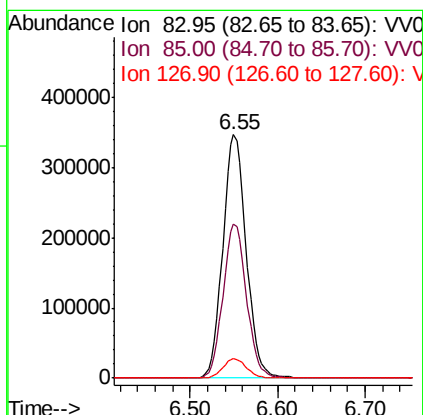
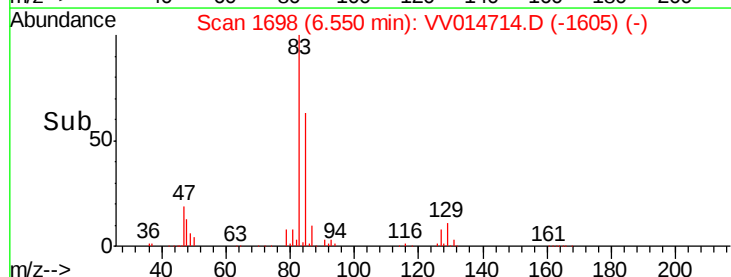
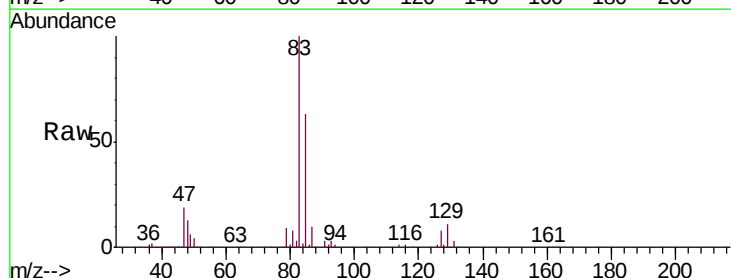
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

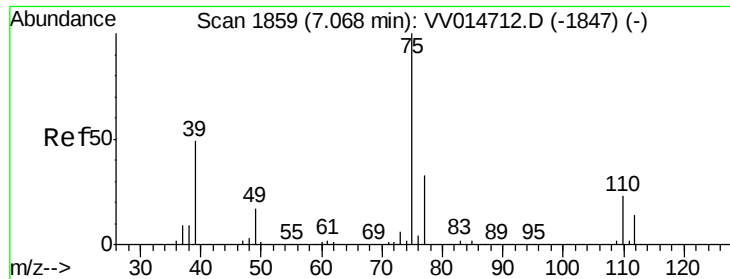
Tgt Ion: 63 Resp: 518057
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.4 5.0



#38
 Bromodichloromethane
 Concen: 24.610 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 83 Resp: 645099
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.2 84.0
 127 8.0 6.6 10.0

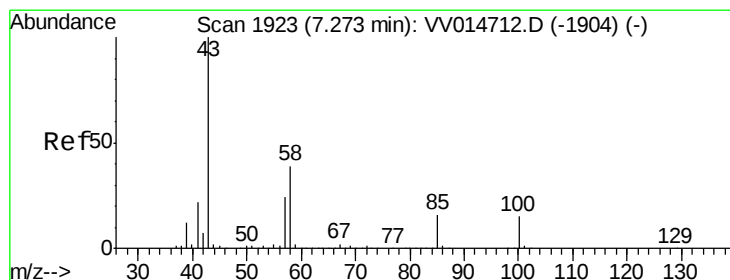
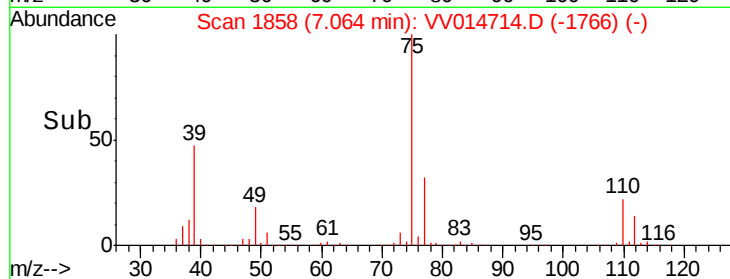
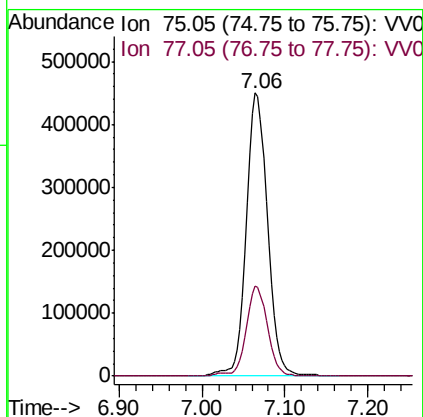
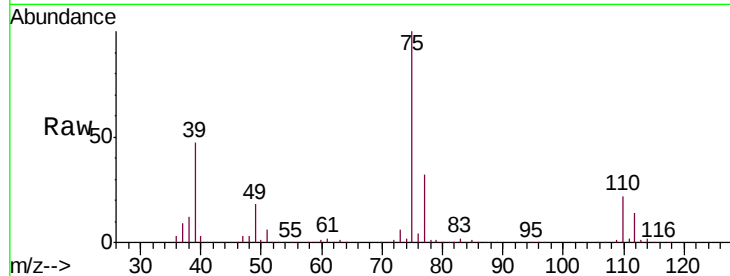




#39
 cis-1,3-Dichloropropene
 Concen: 25.047 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

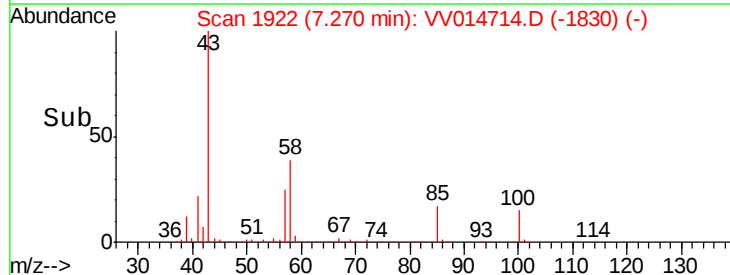
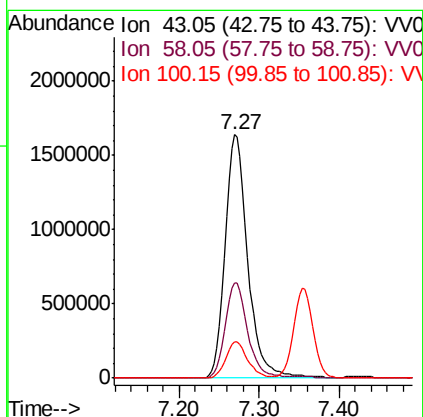
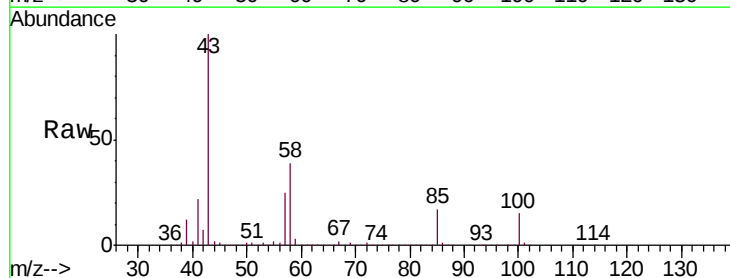
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

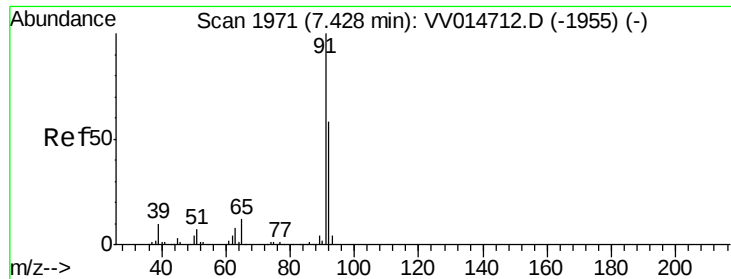
Tgt Ion: 75 Resp: 802037
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 263.978 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 43 Resp: 3188583
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.2 45.2
 100 14.3 11.2 16.8





#42

Toluene

Concen: 23.380 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

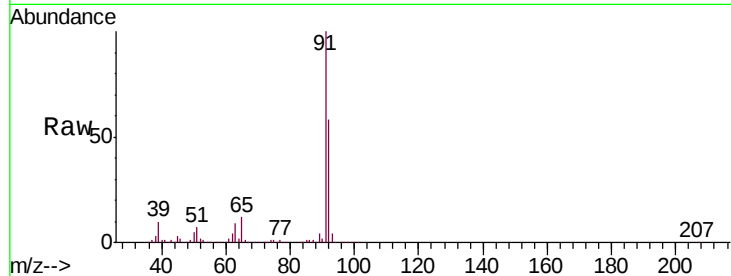
VSTD02036

Tgt Ion: 91 Resp: 2154155

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV014714.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV014714.D (-1955) (-)

7.43

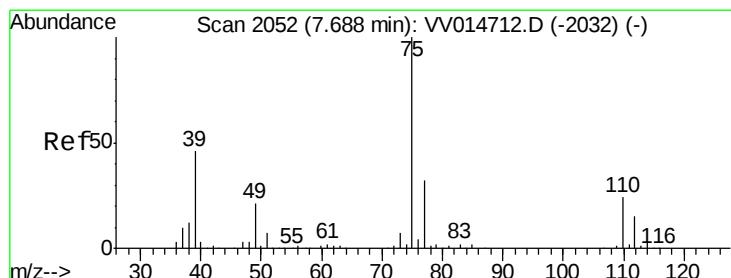
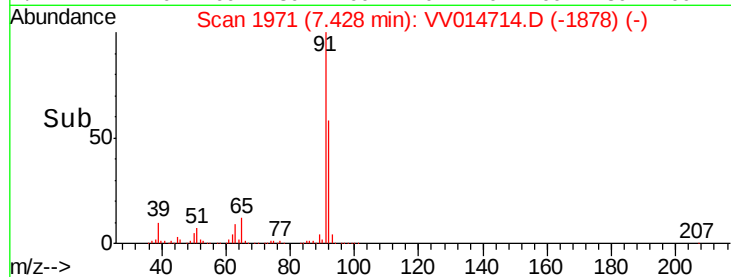
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 25.490 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014714.D

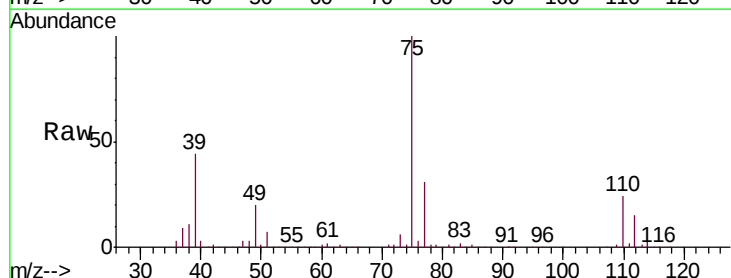
Acq: 28 Feb 2020 17:21

Tgt Ion: 75 Resp: 624106

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV014714.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV014714.D (-2032) (-)

7.69

400000

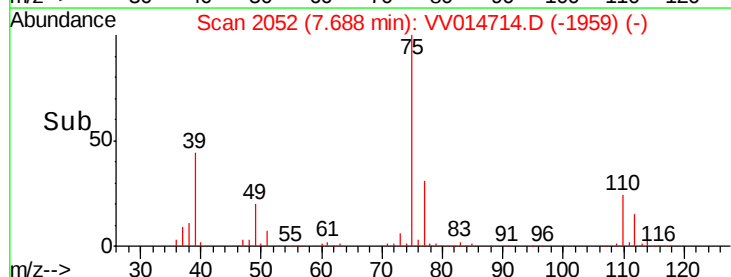
300000

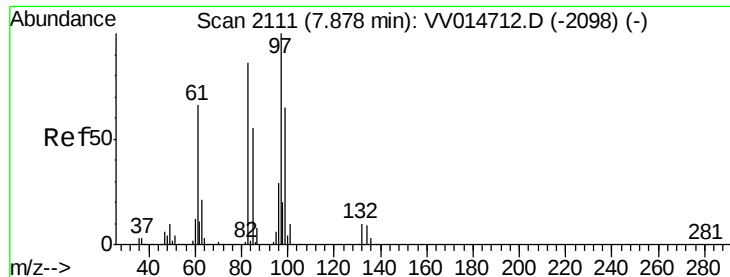
200000

100000

0

Time-->

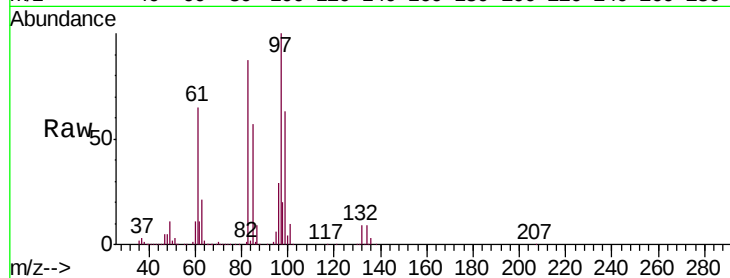




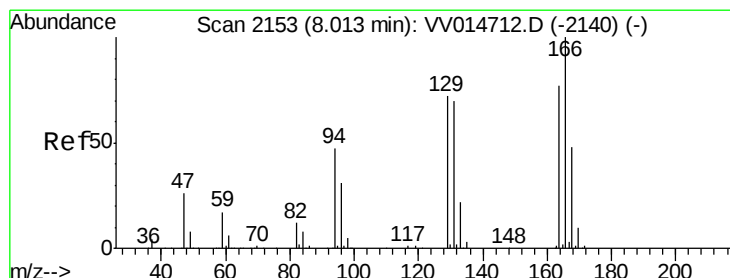
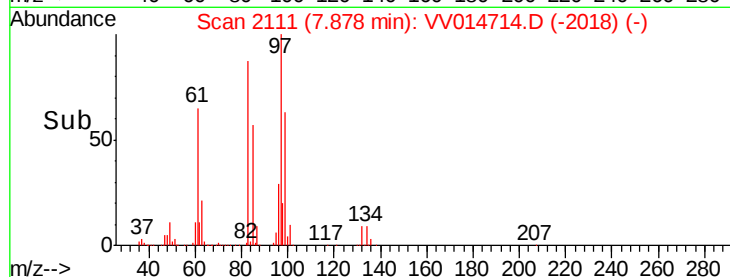
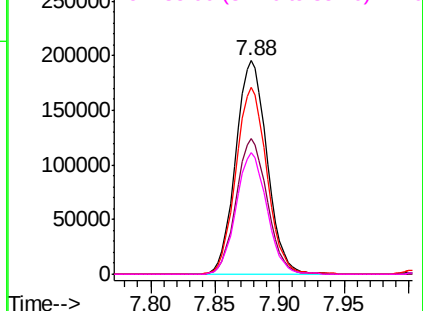
#45
 1,1,2-Trichloroethane
 Concen: 23.809 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion:	97	Resp:	330838
Ion	Ratio	Lower	Upper
97	100		
99	63.3	45.4	84.4
83	87.3	59.8	111.1
85	56.8	38.3	71.1

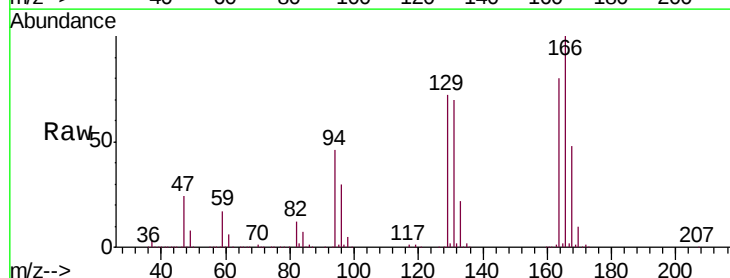


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

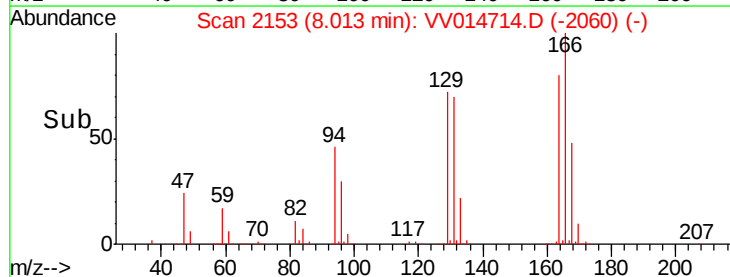
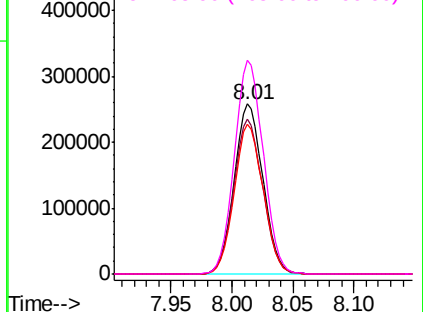


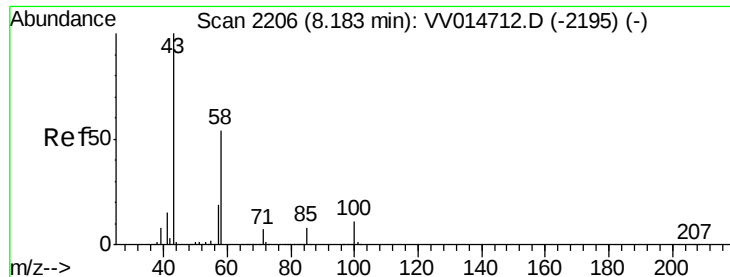
#47
 Tetrachloroethene
 Concen: 25.312 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion:	164	Resp:	421766
Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.9	122.5
131	88.5	64.0	119.0
166	125.7	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



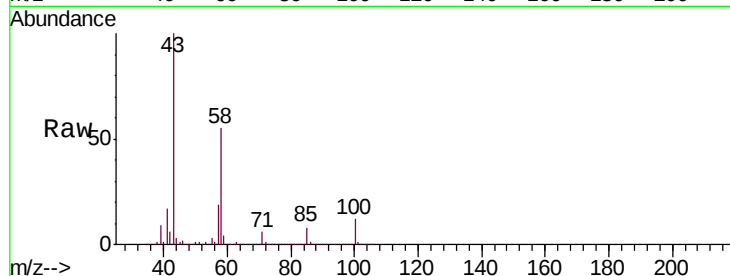


#48
2-Hexanone
Concen: 271.820 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

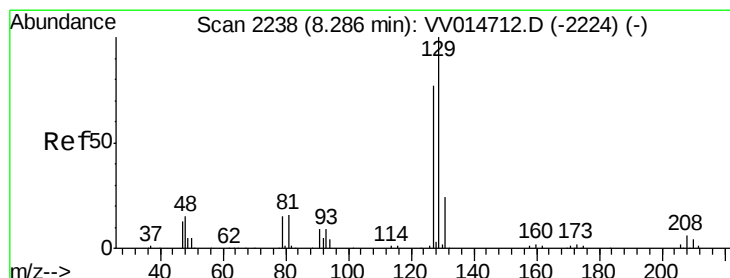
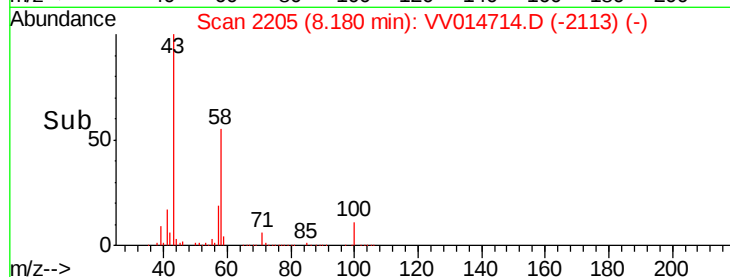
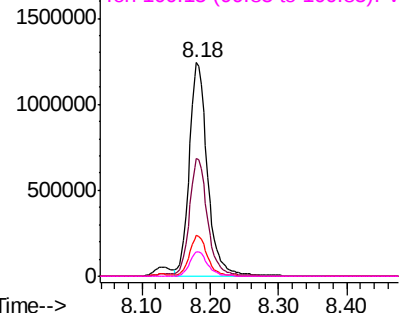
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Tgt Ion: 43 Resp: 2299012

Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.1	64.7
57	18.6	14.6	21.8
100	11.6	9.0	13.4



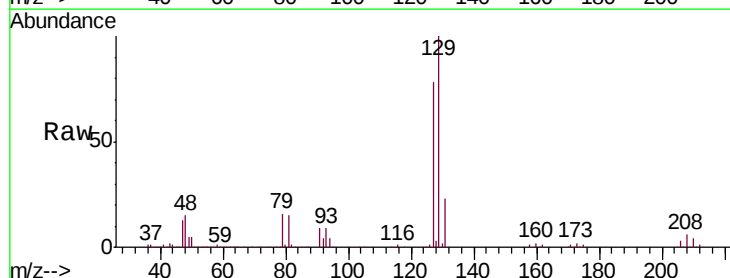
Abundance Ion 43.05 (42.75 to 43.75): VV014712.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV014712.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV014712.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV014712.D (-2195) (-)



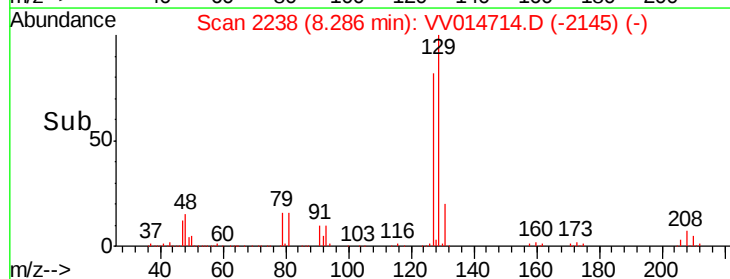
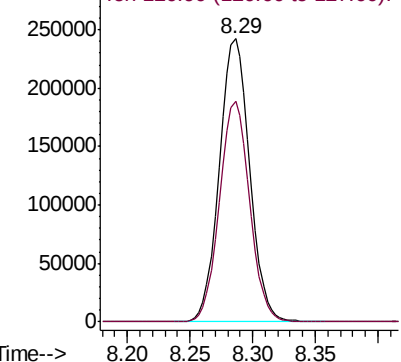
#49
Dibromochloromethane
Concen: 24.687 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

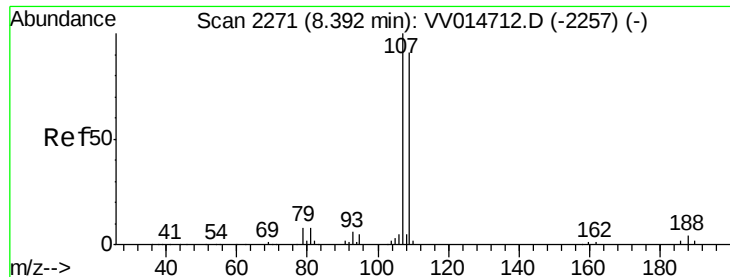
Tgt Ion: 129 Resp: 406472

Ion	Ratio	Lower	Upper
129	100		
127	77.9	53.8	99.8



Abundance Ion 128.95 (128.65 to 129.65): VV014712.D (-2224) (-)
Ion 126.90 (126.60 to 127.60): VV014712.D (-2224) (-)

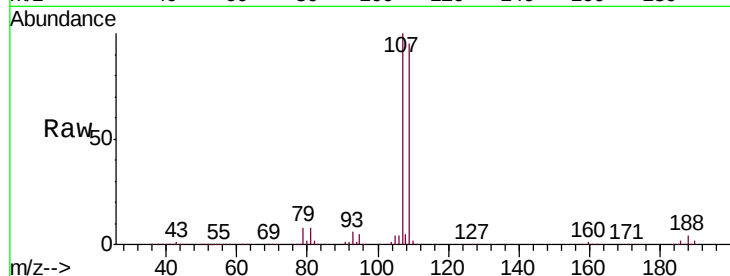




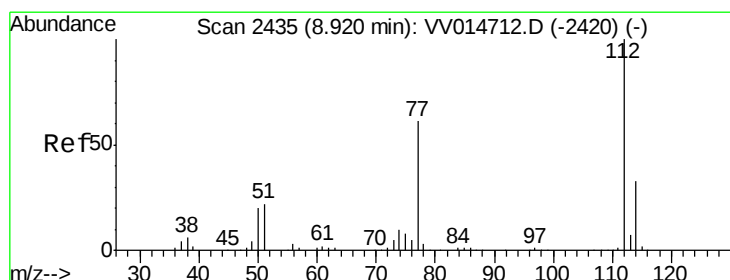
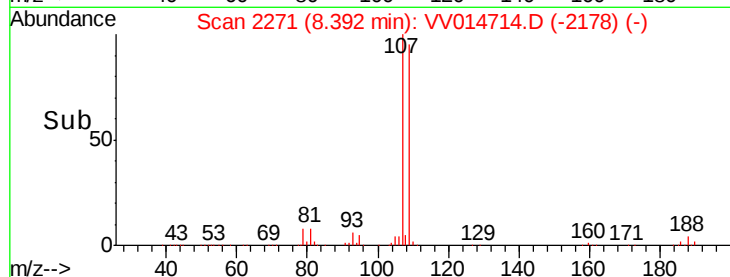
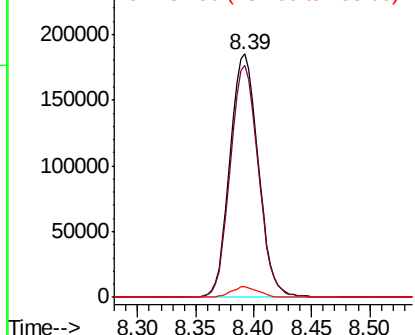
#50
1,2-Dibromoethane
Concen: 24.210 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Tgt Ion:107 Resp: 312677
Ion Ratio Lower Upper
107 100
109 95.3 63.6 118.2
188 4.4 3.1 4.7

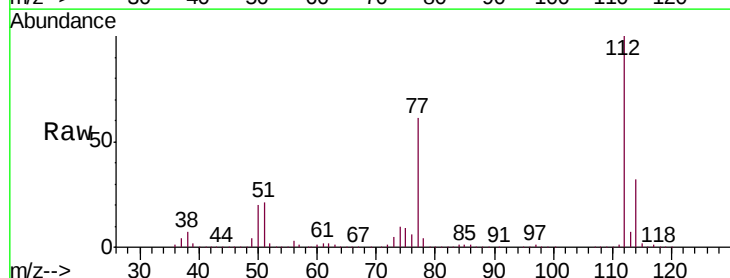


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

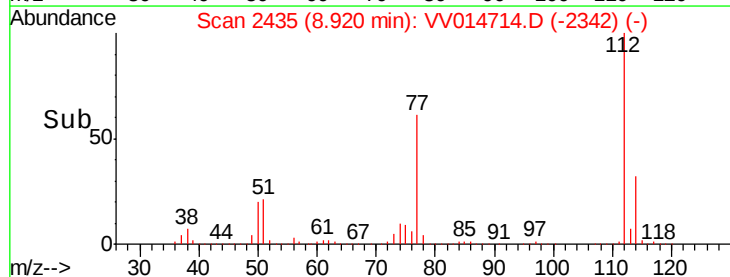
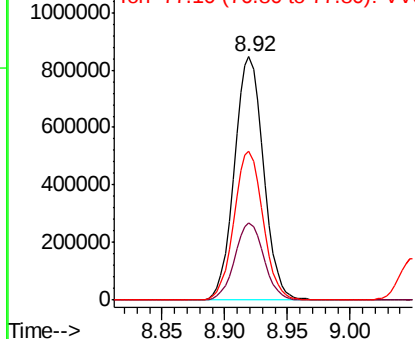


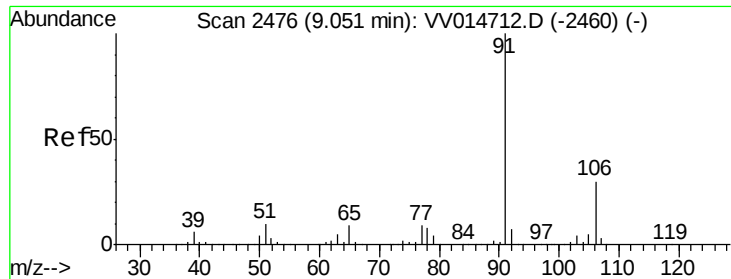
#51
Chlorobenzene
Concen: 23.844 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

Tgt Ion:112 Resp: 1363904
Ion Ratio Lower Upper
112 100
114 31.6 23.2 43.2
77 61.1 49.0 73.6



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

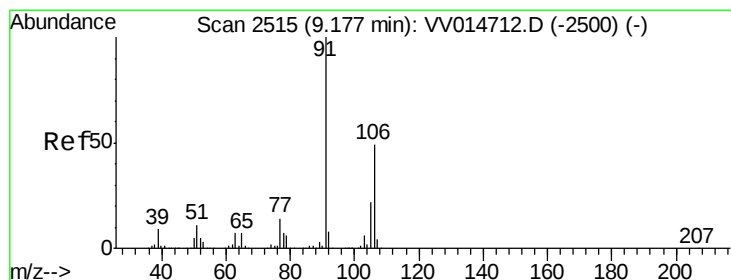
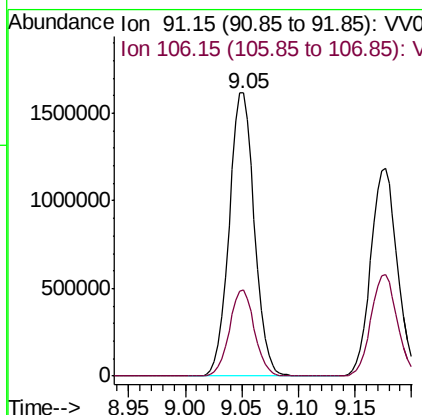
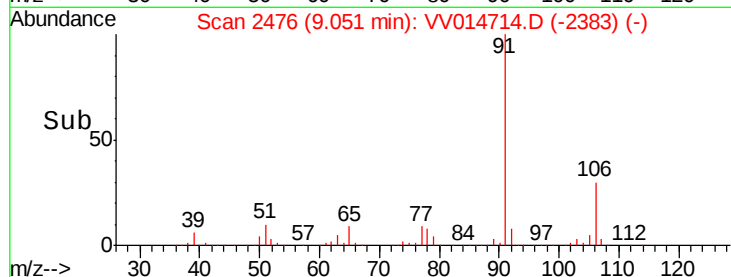
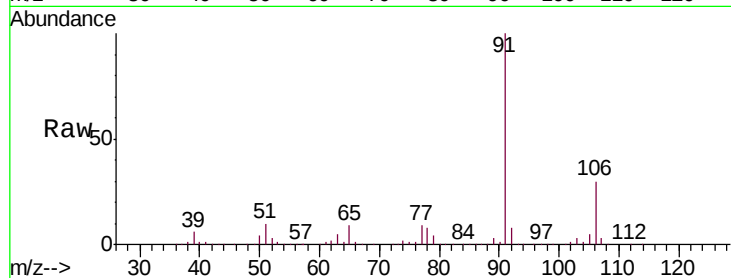




#52
Ethylbenzene
Concen: 24.221 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

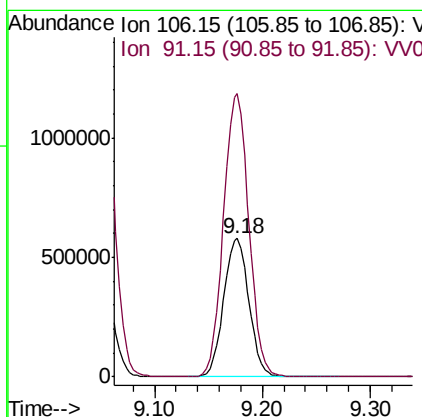
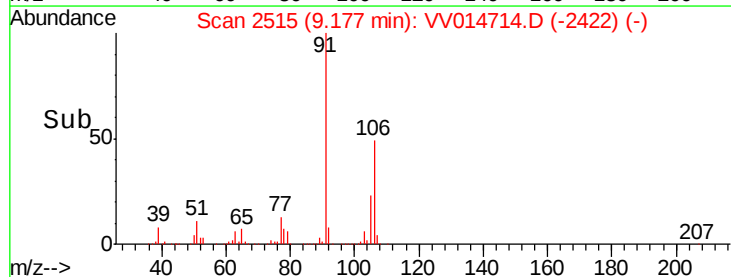
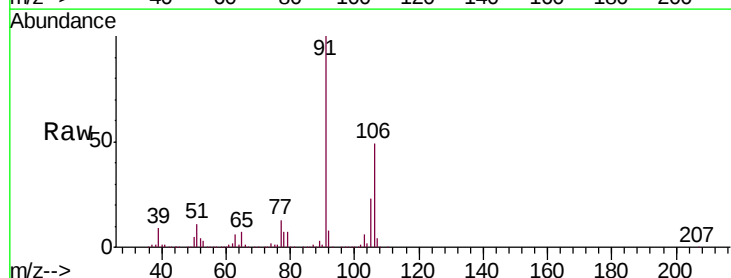
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

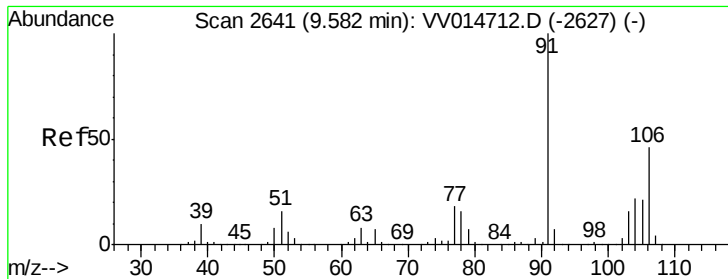
Tgt Ion: 91 Resp: 2505173
Ion Ratio Lower Upper
91 100
106 30.3 21.1 39.1



#53
m,p-xylene
Concen: 24.510 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV014714.D
Acq: 28 Feb 2020 17:21

Tgt Ion: 106 Resp: 939439
Ion Ratio Lower Upper
106 100
91 204.8 142.5 264.6





#54

o-xylene

Concen: 24.243 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

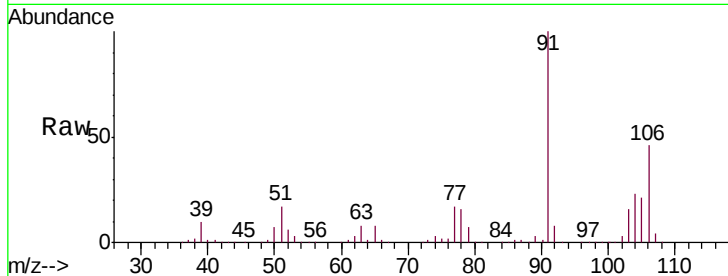
VSTD02036

Tgt Ion:106 Resp: 907939

Ion Ratio Lower Upper

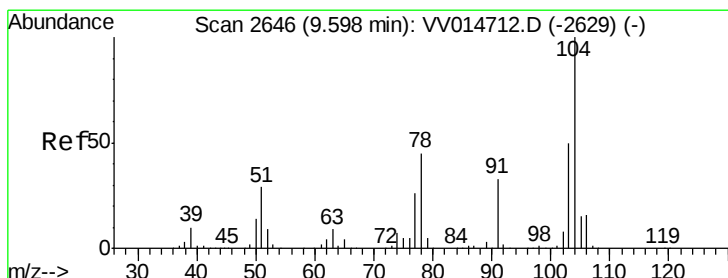
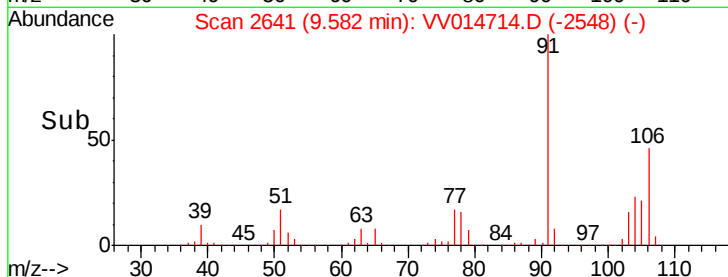
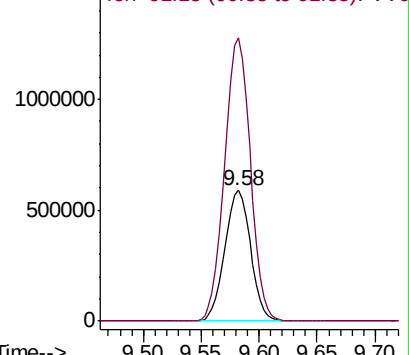
106 100

91 216.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 25.100 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014714.D

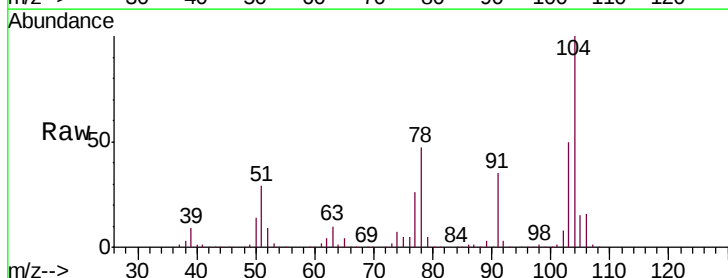
Acq: 28 Feb 2020 17:21

Tgt Ion:104 Resp: 1555818

Ion Ratio Lower Upper

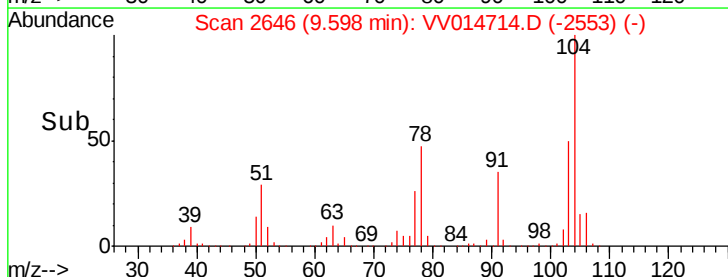
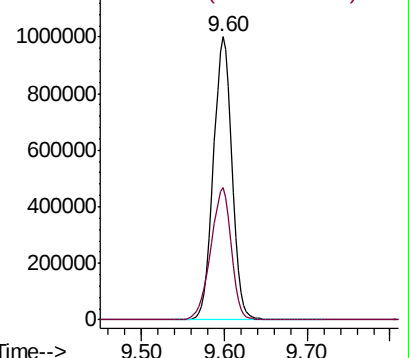
104 100

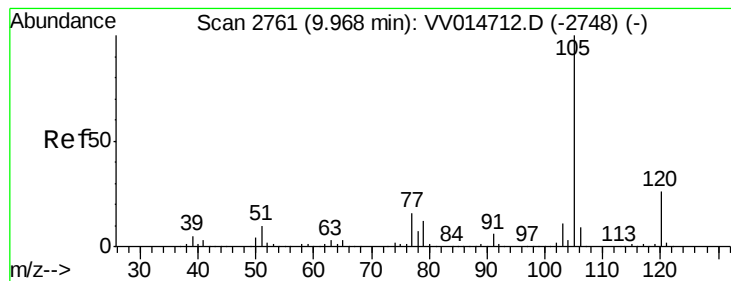
78 46.5 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 25.038 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

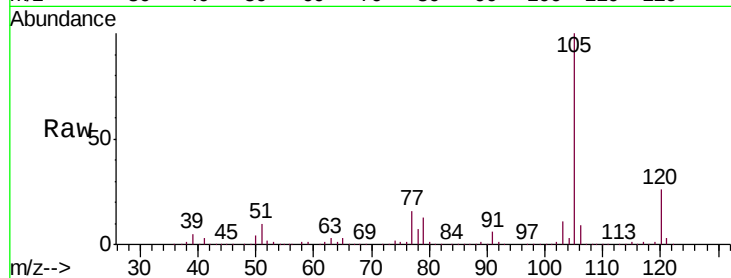
Tgt Ion:105 Resp: 2476424

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

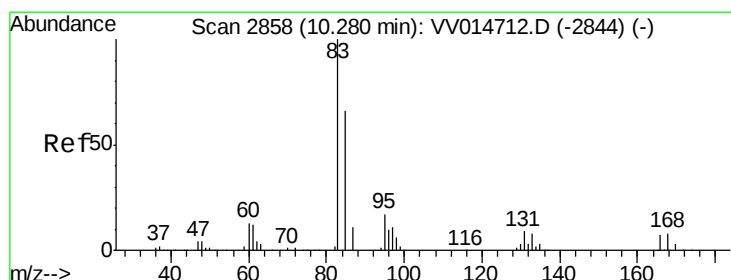
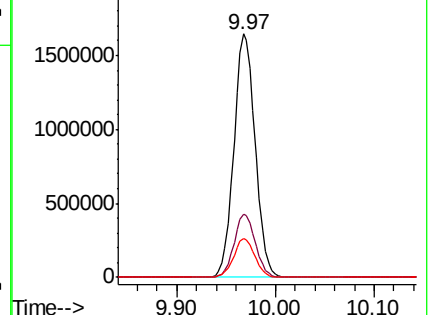
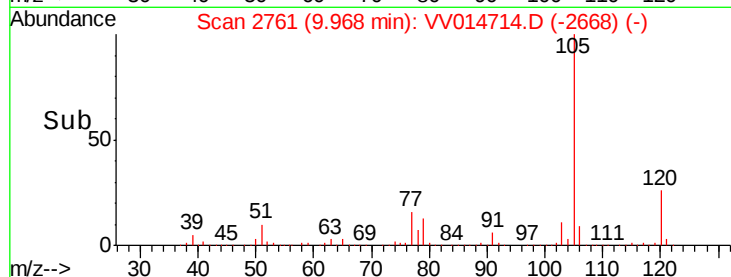
77 16.0 12.6 18.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.794 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

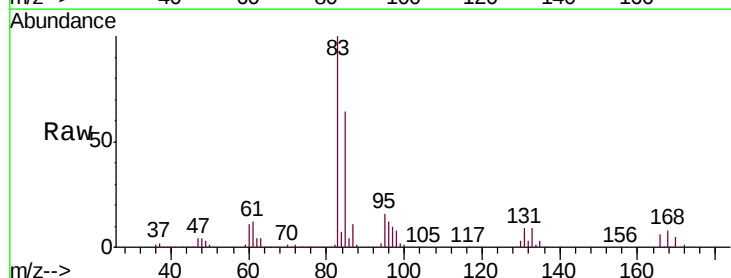
Tgt Ion: 83 Resp: 422738

Ion Ratio Lower Upper

83 100

85 64.1 46.1 85.7

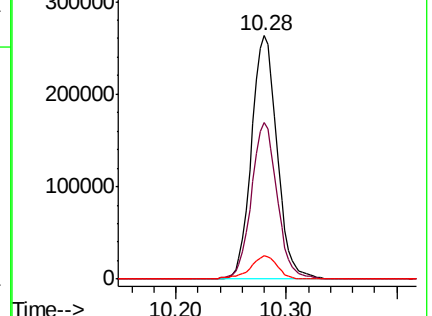
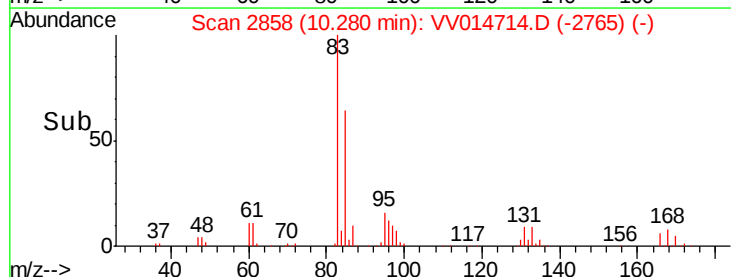
131 9.4 7.4 11.2

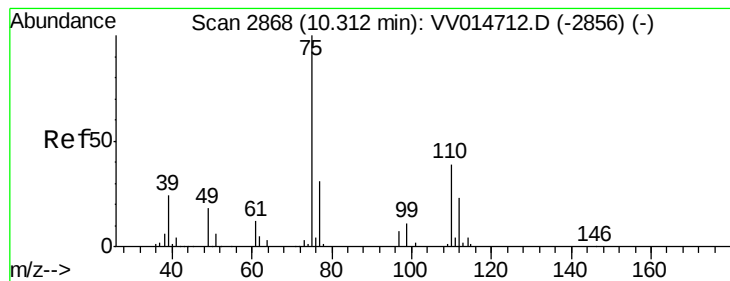


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 25.272 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

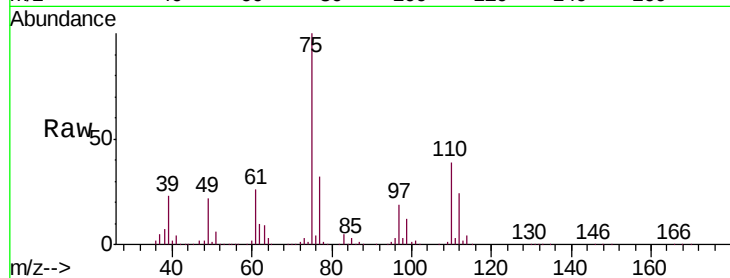
VSTD02036

Tgt Ion: 75 Resp: 304286

Ion Ratio Lower Upper

75 100

77 32.0 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV014712.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014712.D (-2856) (-)

10.31

200000

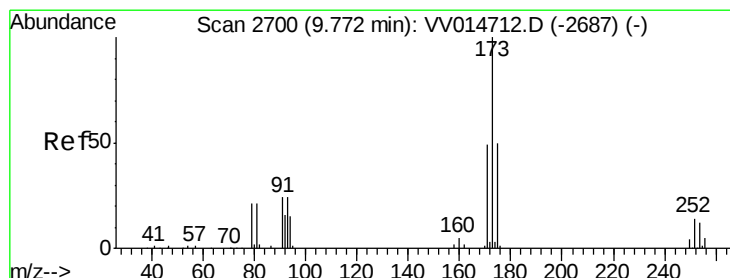
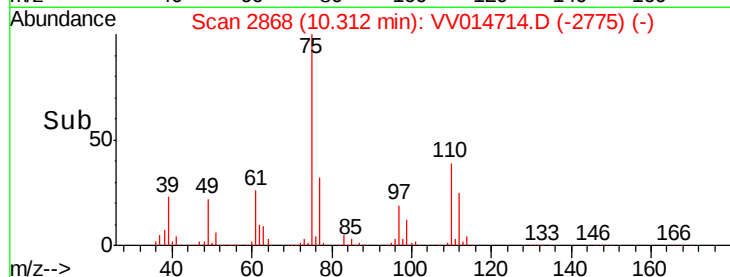
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 25.391 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

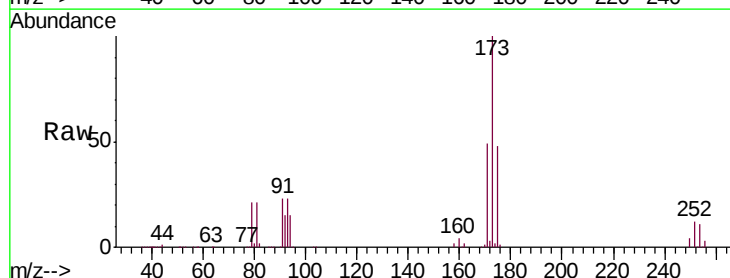
Tgt Ion: 173 Resp: 220554

Ion Ratio Lower Upper

173 100

175 48.5 38.6 57.8

254 11.8 9.4 14.0



Abundance Ion 172.90 (172.60 to 173.60): VV014712.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV014712.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV014712.D (-2687) (-)

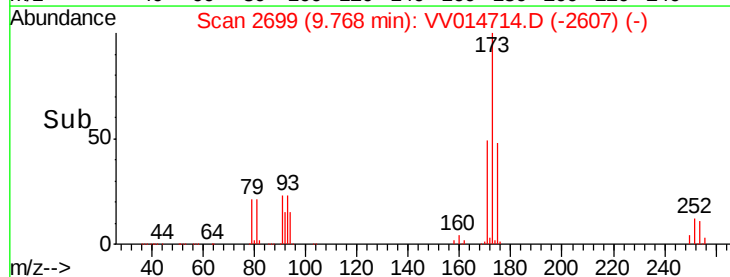
150000

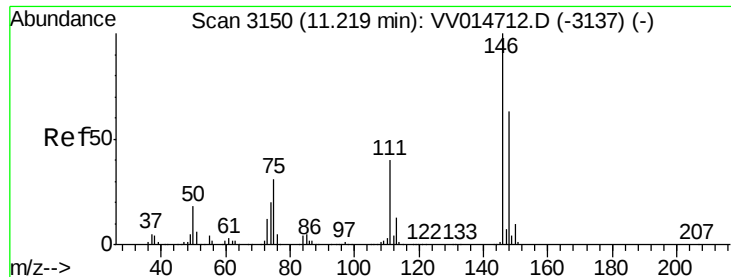
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 23.917 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

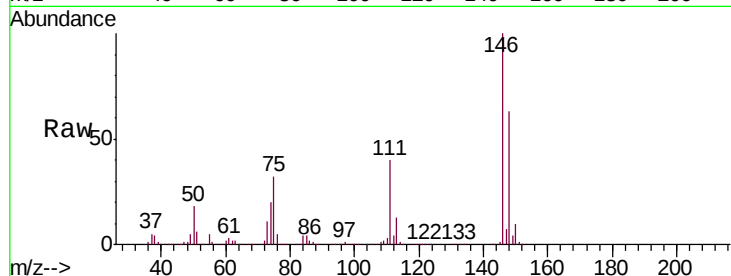
Tgt Ion:146 Resp: 1135192

Ion Ratio Lower Upper

146 100

111 40.3 28.2 52.4

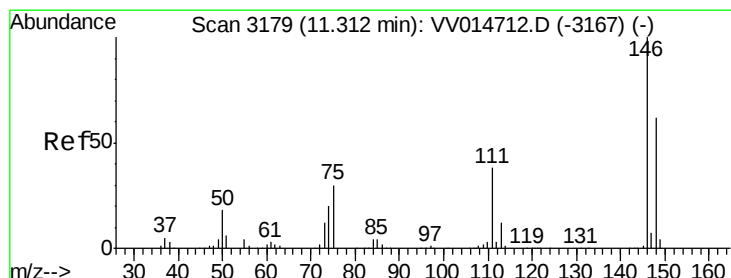
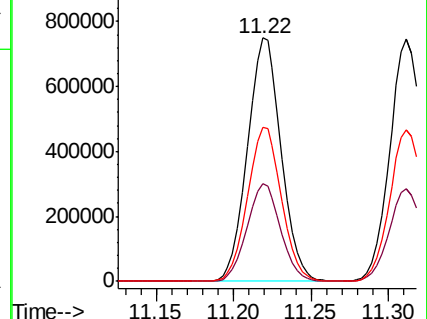
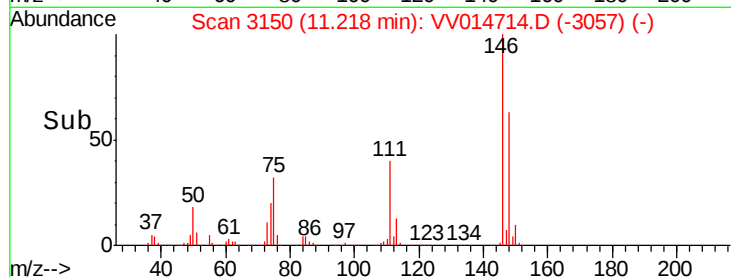
148 63.4 43.9 81.5



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: 23.802 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

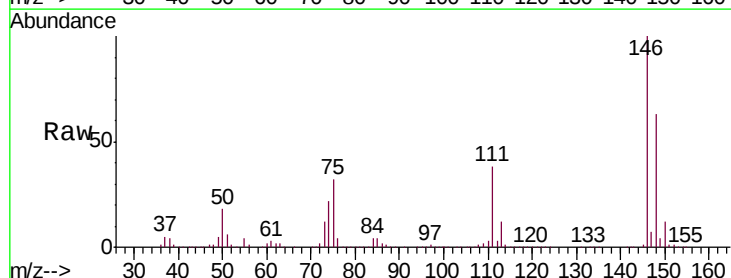
Tgt Ion:146 Resp: 1125794

Ion Ratio Lower Upper

146 100

111 38.1 26.9 49.9

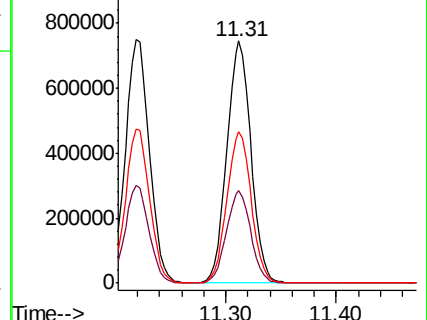
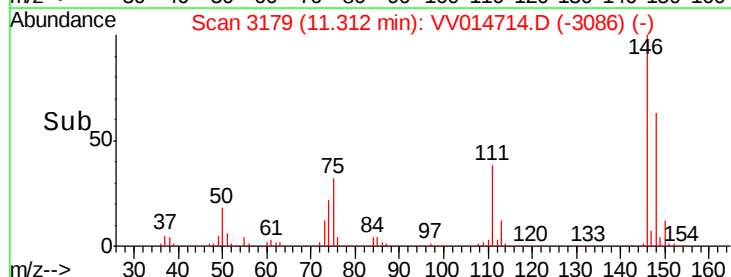
148 62.8 43.8 81.4

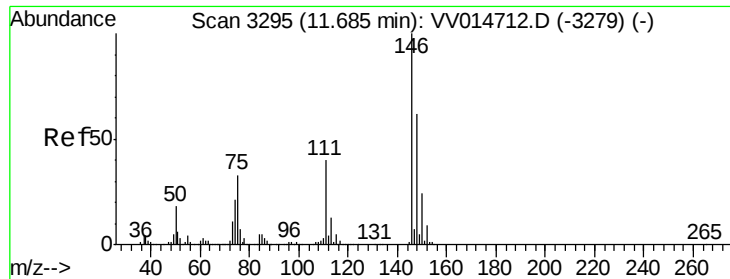


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

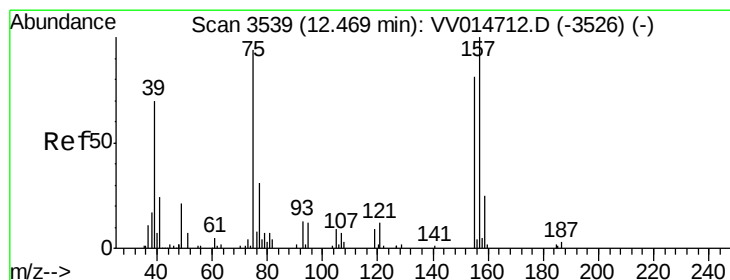
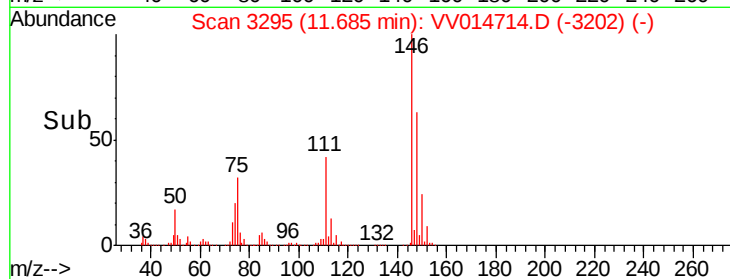
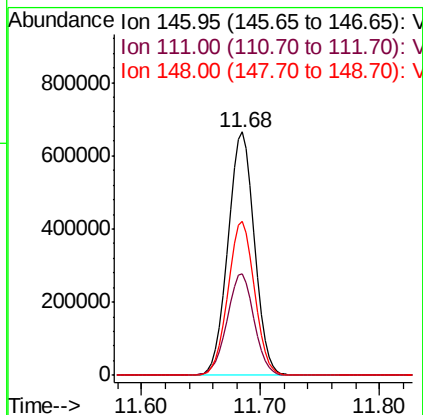
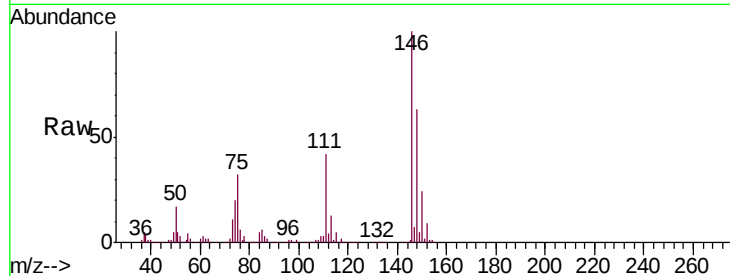




#65
 1,2-Dichlorobenzene
 Concen: 23.829 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

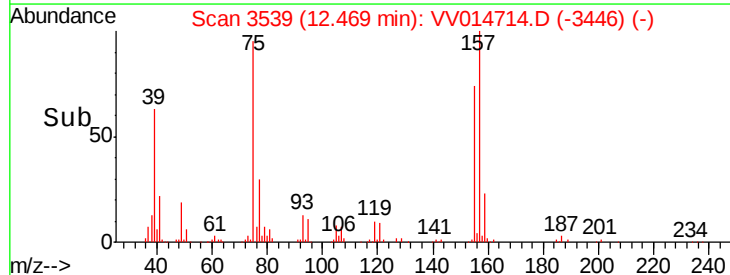
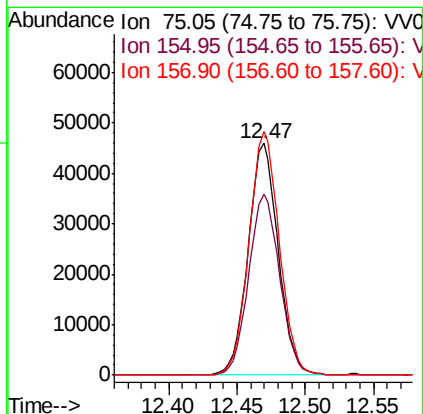
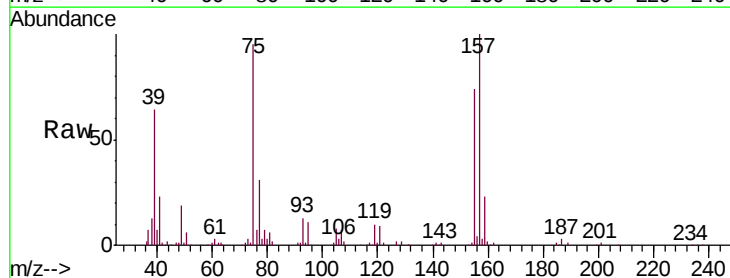
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

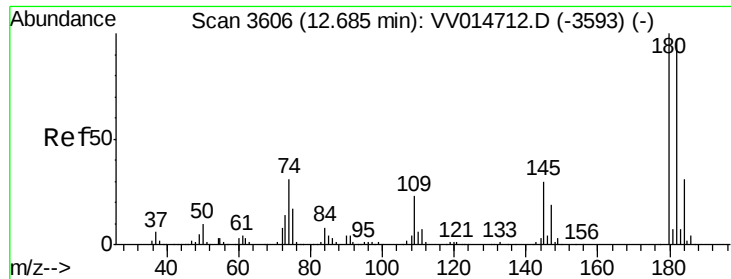
Tgt Ion:146 Resp: 1020816
 Ion Ratio Lower Upper
 146 100
 111 41.7 31.8 47.8
 148 63.0 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.448 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion: 75 Resp: 70533
 Ion Ratio Lower Upper
 75 100
 155 78.2 68.3 102.5
 157 105.2 84.7 127.1

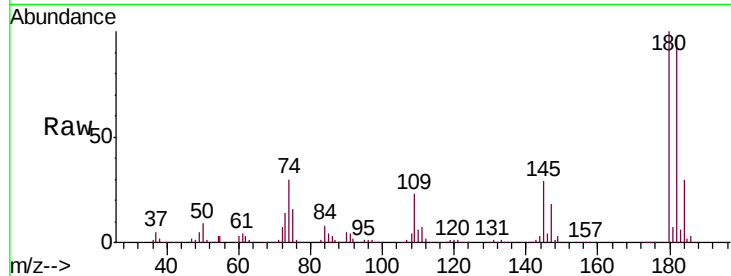




#67
 1,3,5-Trichlorobenzene
 Concen: 25.928 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.2	115.8
184	30.4	24.2	36.2
145	28.7	22.9	34.3



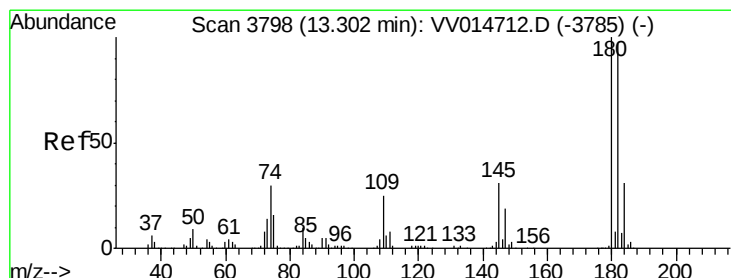
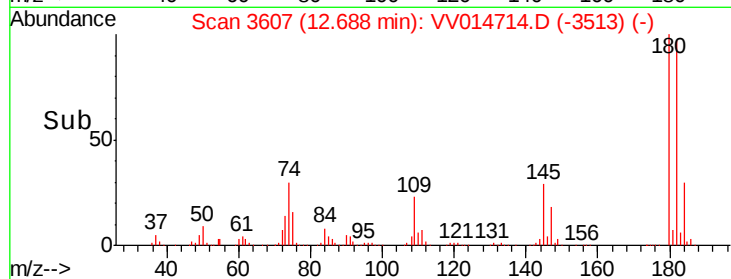
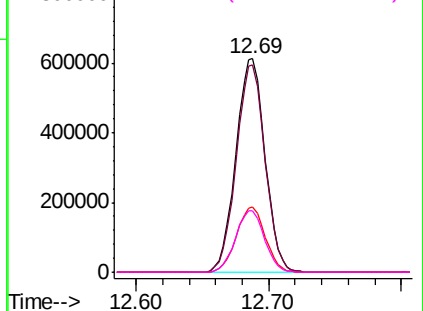
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

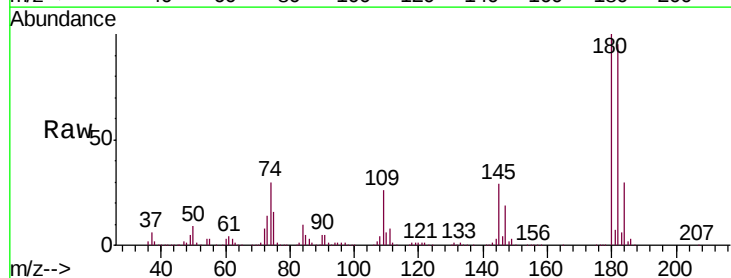
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.998 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014714.D
 Acq: 28 Feb 2020 17:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.4	116.2
145	29.5	24.2	36.2

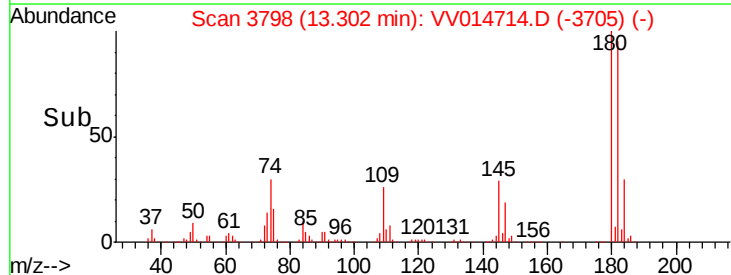
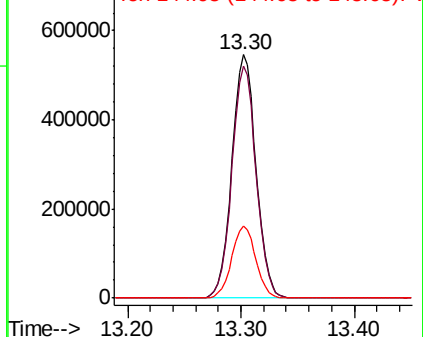


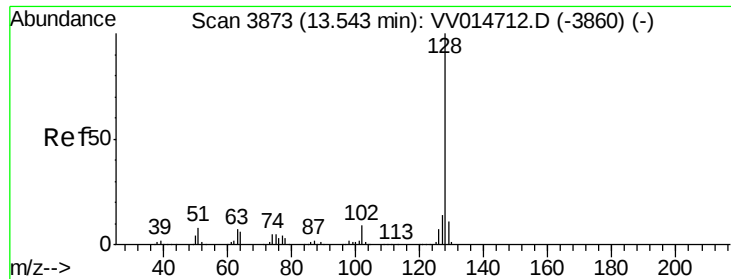
Abundance

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: 26.436 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

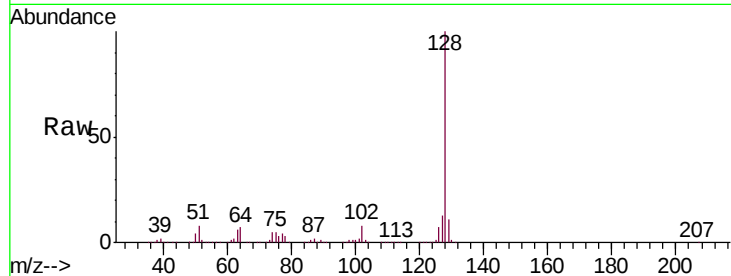
Tgt Ion:128 Resp: 1382094

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

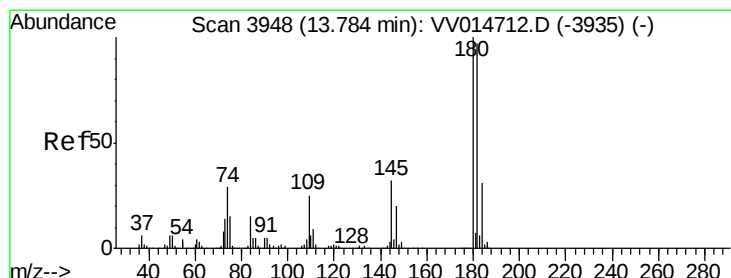
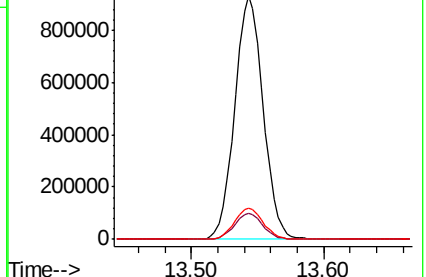
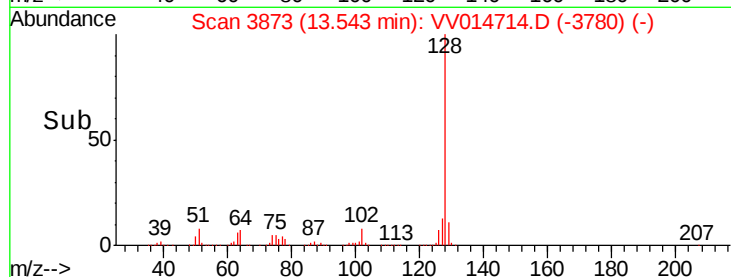
127 13.0 10.7 16.1



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: 27.239 ug/L

RT: 13.78 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VV014714.D

Acq: 28 Feb 2020 17:21

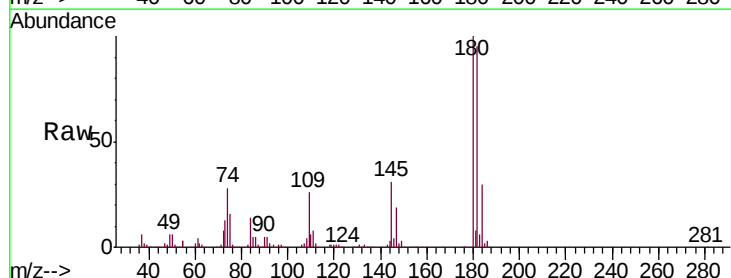
Tgt Ion:180 Resp: 715372

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 31.3 25.3 37.9



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

