

Data File : VU035233.D
Acq On : 18 Oct 2019 00:35
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Oct 18 03:54:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 03:45:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	338542	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	325258	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	160904	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93454	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	1.93	69	87154	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.60	63	180827	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.72	46	292168	49.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.50%
24) Chloroform-d	5.11	84	184195	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.75	65	100798	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.77	84	347410	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.74	67	113827	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.93	98	319218	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.22	79	50256	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.69	63	250639	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	102734	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	129995	4.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	138147	4.795	ug/L 98
3) Chloromethane	1.53	50	134296	4.699	ug/L 100
5) Vinyl chloride	1.62	62	144609	4.927	ug/L 99
6) Bromomethane	1.88	94	86272	4.978	ug/L 96
8) Chloroethane	1.95	64	89641	4.736	ug/L 99
9) Trichlorofluoromethane	2.16	101	188591	4.812	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	108600	4.810	ug/L 97
12) 1,1-Dichloroethene	2.61	96	104493	4.805	ug/L 93
13) Acetone	2.69	43	195656	47.416	ug/L 99
14) Carbon disulfide	2.82	76	329044	4.784	ug/L 100
15) Methyl Acetate	3.01	43	45749	4.450	ug/L 100
16) Methylene chloride	3.08	84	118610	4.533	ug/L 97
17) Methyl tert-butyl Ether	3.43	73	274141	4.683	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	110789	4.720	ug/L 96
19) 1,1-Dichloroethane	3.92	63	207085	4.879	ug/L 99
21) 2-Butanone	4.79	43	307402	45.707	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	128314	4.946	ug/L 97

Data File : VU035233.D
Acq On : 18 Oct 2019 00:35
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Quant Time: Oct 18 03:54:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 03:45:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	54379	4.869	ug/L	100
25) Chloroform	5.14	83	218163	4.684	ug/L	97
27) 1,2-Dichloroethane	5.84	62	141224	4.944	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	182922	4.801	ug/L	100
30) Cyclohexane	5.43	56	189867	4.653	ug/L	100
31) Carbon tetrachloride	5.57	117	163720	4.772	ug/L	99
33) Benzene	5.82	78	467452	4.884	ug/L	100
34) Trichloroethene	6.58	95	121575	4.725	ug/L	98
35) Methylcyclohexane	6.80	83	198512	4.617	ug/L	99
37) 1,2-Dichloropropane	6.83	63	118541	4.880	ug/L	100
38) Bromodichloromethane	7.15	83	158597	4.846	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	185748	4.568	ug/L	98
40) 4-Methyl-2-pentanone	7.85	43	764096	46.589	ug/L	99
42) Toluene	8.01	91	509419	4.822	ug/L	96
44) trans-1,3-Dichloropropene	8.25	75	151266	4.552	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	86791	4.812	ug/L	99
47) Tetrachloroethene	8.58	164	101632	4.741	ug/L	99
48) 2-Hexanone	8.74	43	556352	48.371	ug/L	99
49) Dibromochloromethane	8.84	129	109502	4.789	ug/L	99
50) 1,2-Dibromoethane	8.96	107	85125	4.721	ug/L	98
51) Chlorobenzene	9.48	112	328464	4.816	ug/L	98
52) Ethylbenzene	9.60	91	577177	4.805	ug/L	100
53) m,p-Xylene	9.73	106	212719	4.689	ug/L	100
54) o-Xylene	10.13	106	210535	4.755	ug/L	98
55) Styrene	10.14	104	353731	4.907	ug/L	98
56) Isopropylbenzene	10.51	105	566148	4.754	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	113641	4.896	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	79691	4.708	ug/L	99
61) Bromoform	10.32	173	64401	4.321	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	255706	4.657	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	252880	4.684	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	241997	4.691	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.03	75	15828	4.344	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	160277	4.711	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	112855	4.982	ug/L	99
69) Naphthalene	14.11	128	158051	5.083	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	110020	5.194	ug/L	99

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

Data File : VU035233.D

Acq On : 18 Oct 2019 00:35

Operator : JC/SP

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 36      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

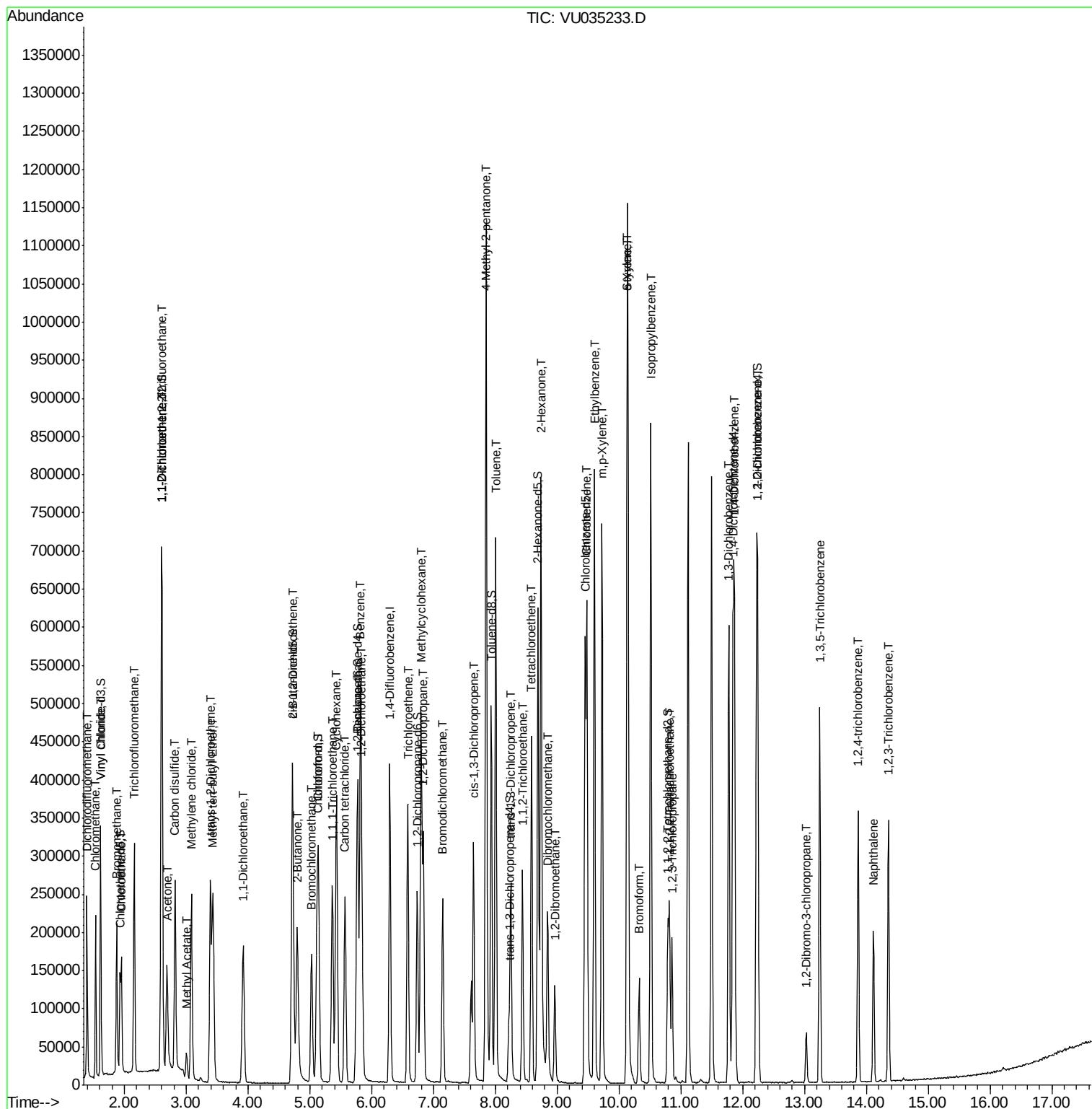
Quant Time: Oct 18 03:54:47 2019

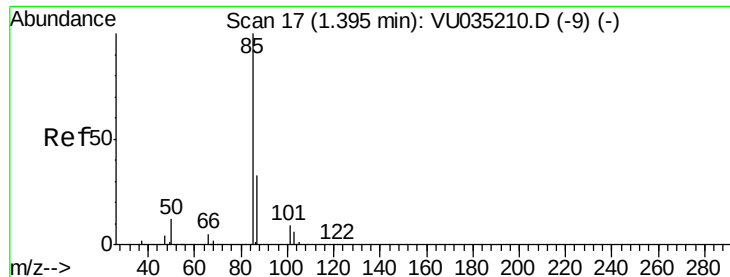
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR101719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Oct 18 03:45:16 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.795 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

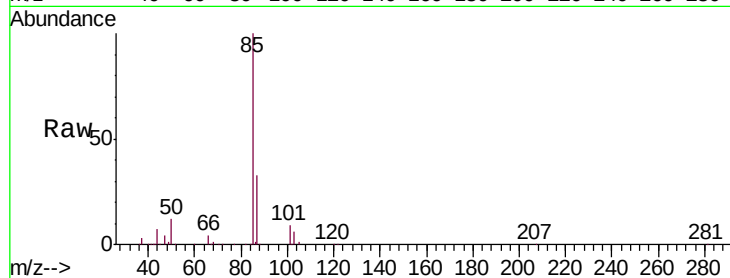
VSTD00524

Tgt Ion: 85 Resp: 138147

Ion Ratio Lower Upper

85 100

87 32.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035210.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035210.D (-9) (-)

1.39

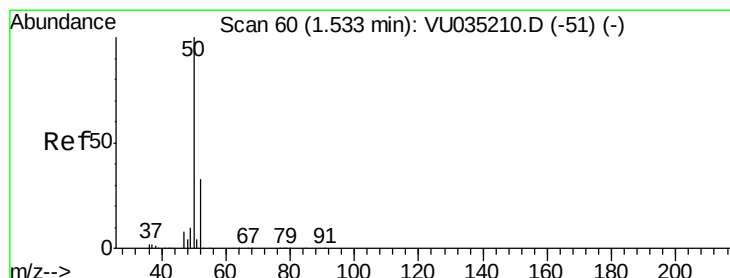
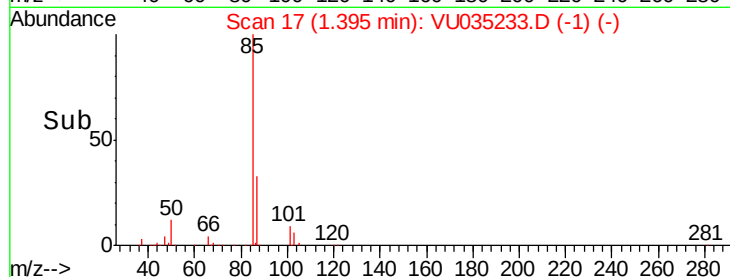
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035233.D

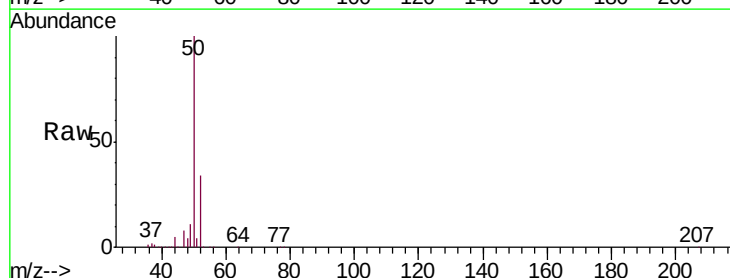
Acq: 18 Oct 2019 00:35

Tgt Ion: 50 Resp: 134296

Ion Ratio Lower Upper

50 100

52 33.7 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035210.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035210.D (-51) (-)

1.53

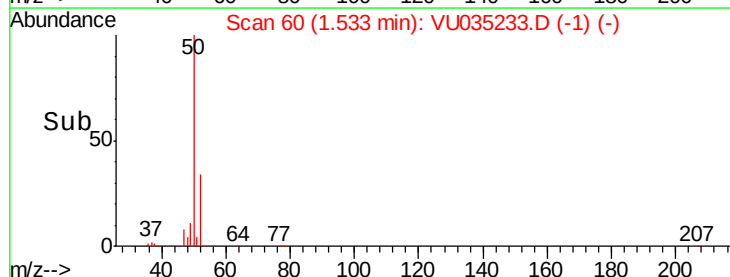
150000

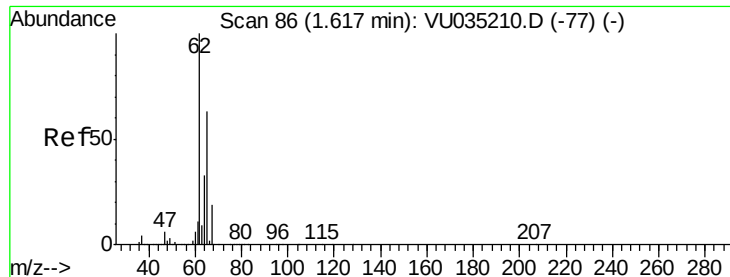
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.927 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

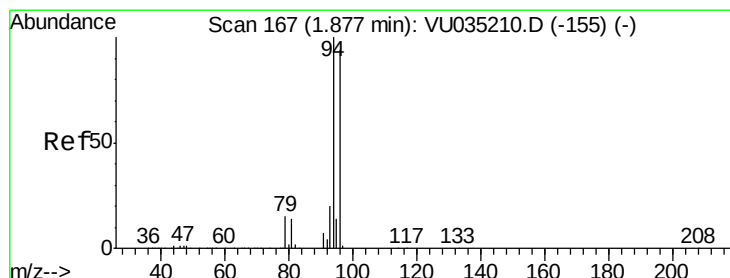
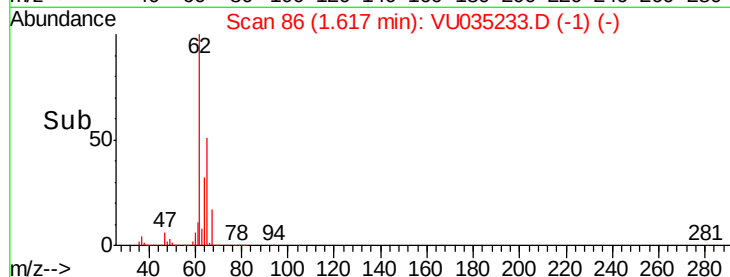
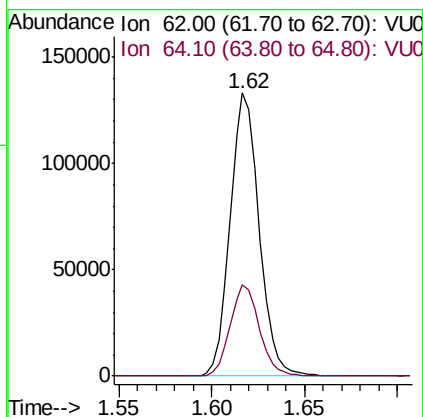
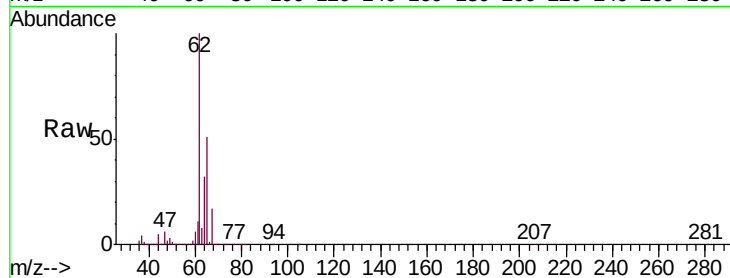
VSTD00524

Tgt Ion: 62 Resp: 144609

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#6

Bromomethane

Concen: 4.978 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU035233.D

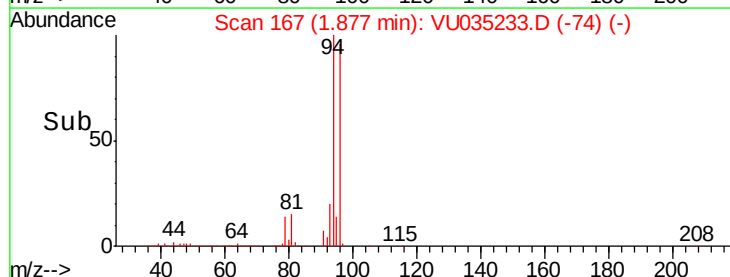
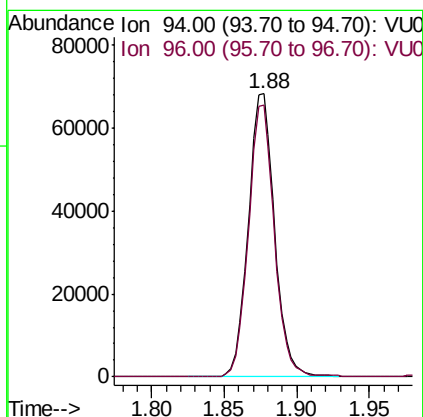
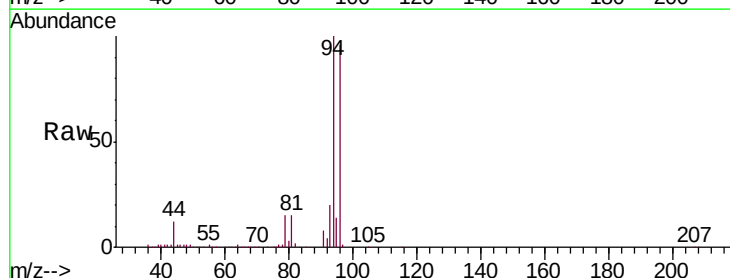
Acq: 18 Oct 2019 00:35

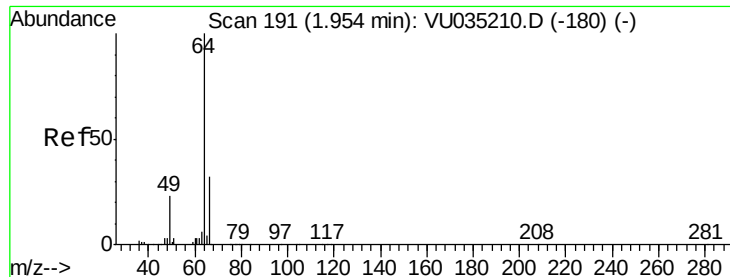
Tgt Ion: 94 Resp: 86272

Ion Ratio Lower Upper

94 100

96 96.0 64.6 120.0

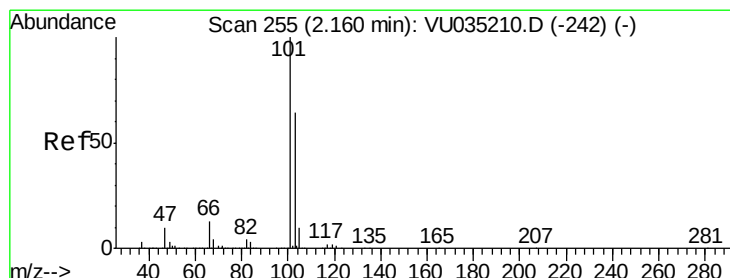
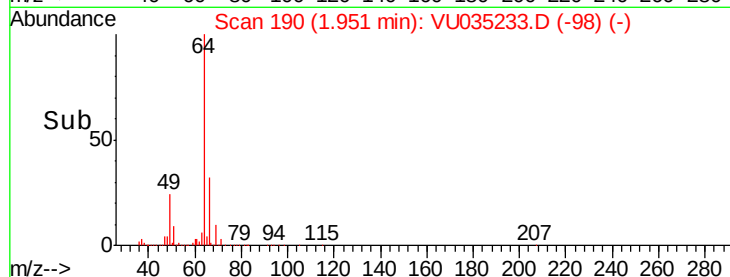
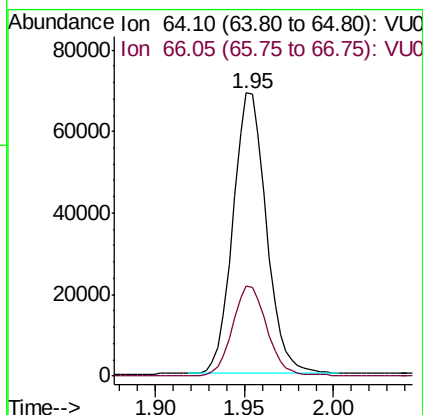
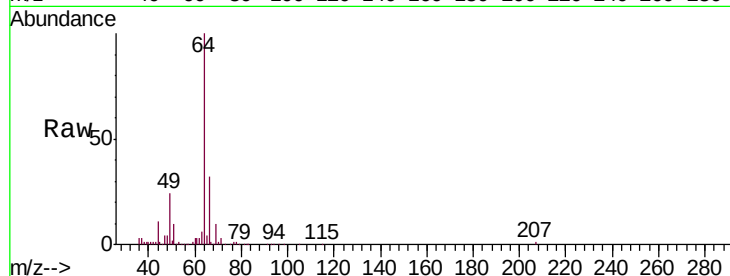




#8
Chloroethane
Concen: 4.736 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

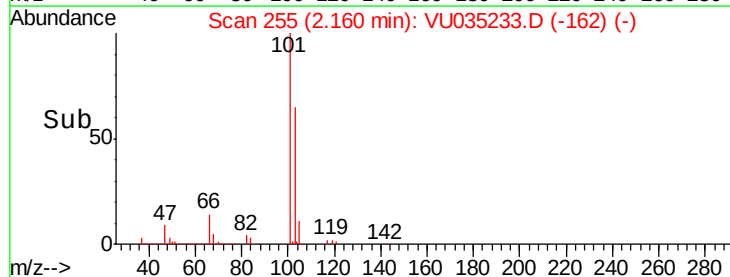
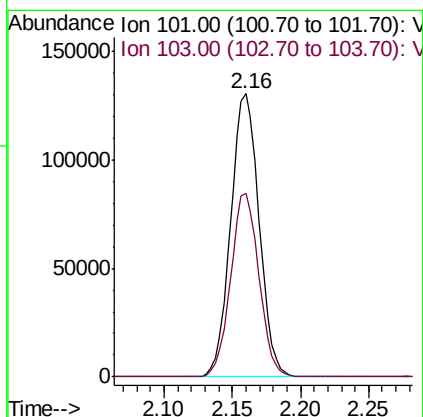
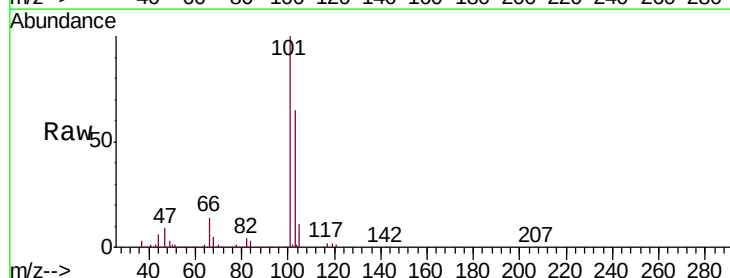
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

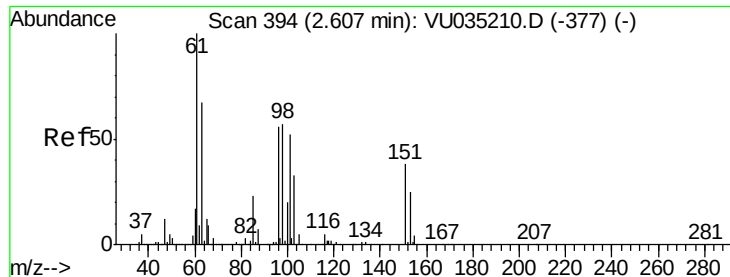
Tgt Ion: 64 Resp: 89641
Ion Ratio Lower Upper
64 100
66 31.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.812 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 101 Resp: 188591
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

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

Concen: 4.810 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

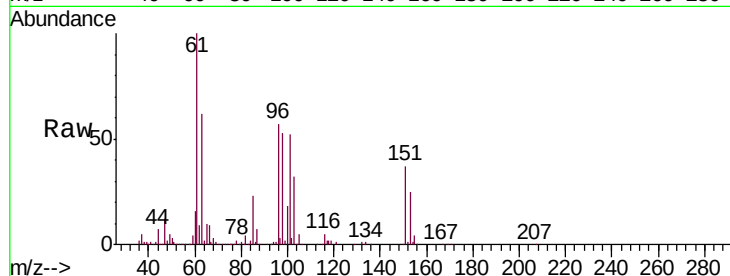
Tgt Ion: 101 Resp: 108600

Ion Ratio Lower Upper

101 100

85 43.8 33.9 50.9

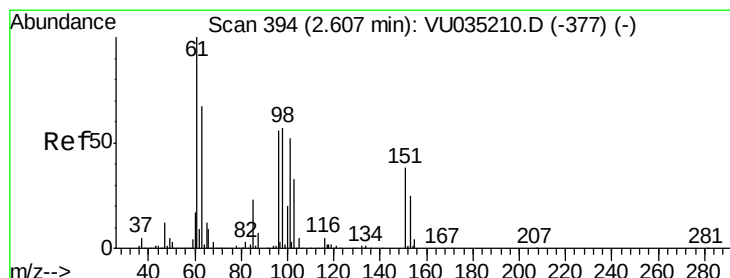
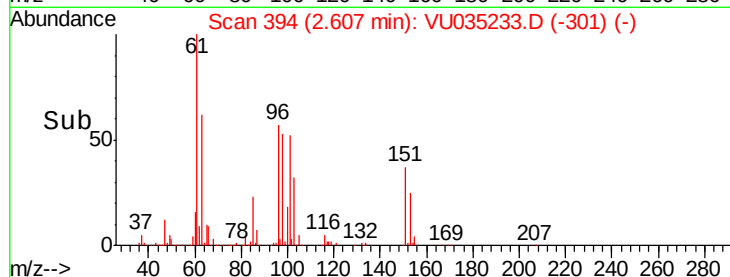
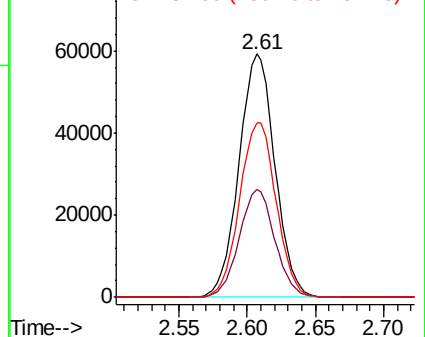
151 73.0 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.805 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

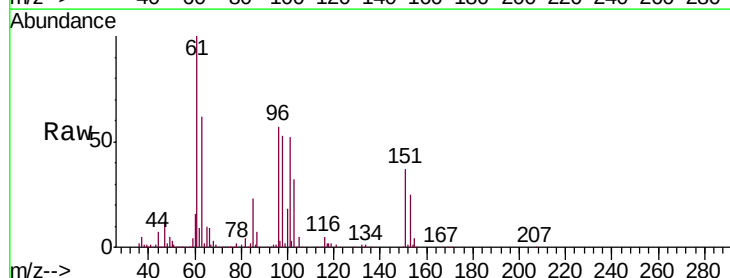
Tgt Ion: 96 Resp: 104493

Ion Ratio Lower Upper

96 100

61 176.6 120.6 224.0

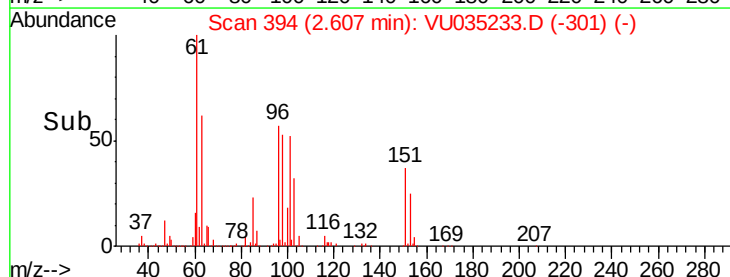
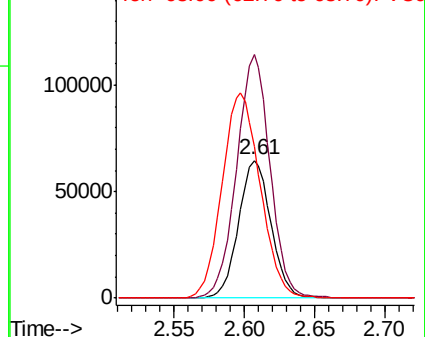
63 109.5 86.8 161.2

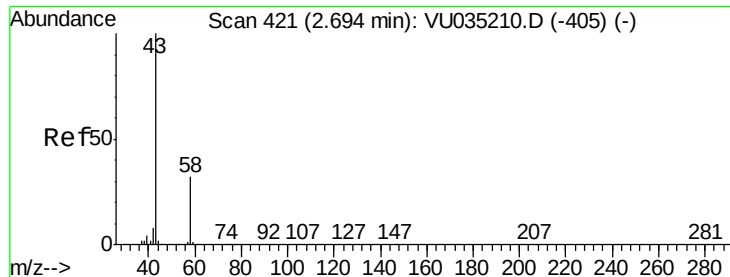


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.416 ug/L

RT: 2.69 min Scan# 419

Delta R.T. -0.01 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

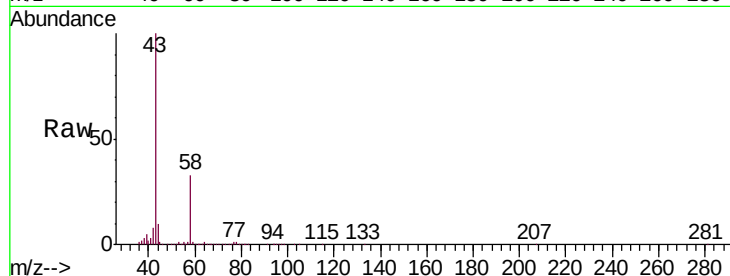
VSTD00524

Tgt Ion: 43 Resp: 195656

Ion Ratio Lower Upper

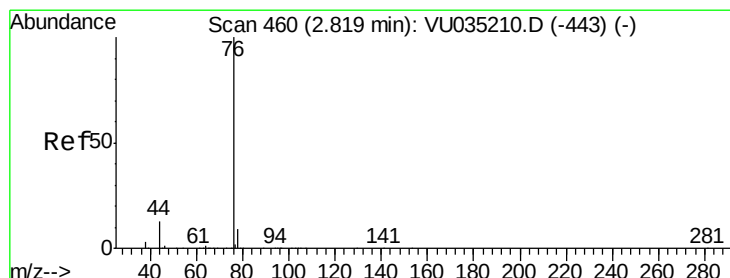
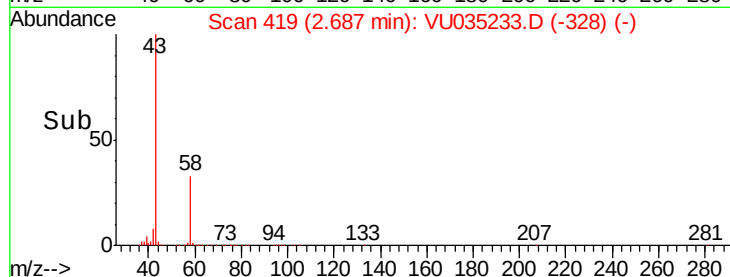
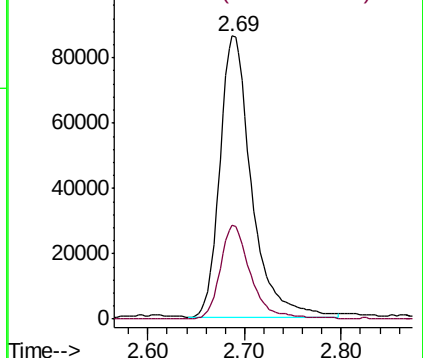
43 100

58 31.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035210.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035210.D (-405) (-)



#14

Carbon disulfide

Concen: 4.784 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035233.D

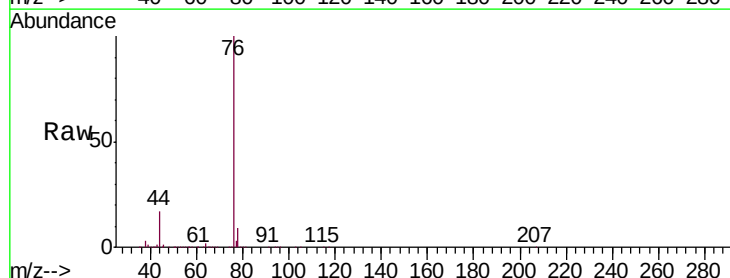
Acq: 18 Oct 2019 00:35

Tgt Ion: 76 Resp: 329044

Ion Ratio Lower Upper

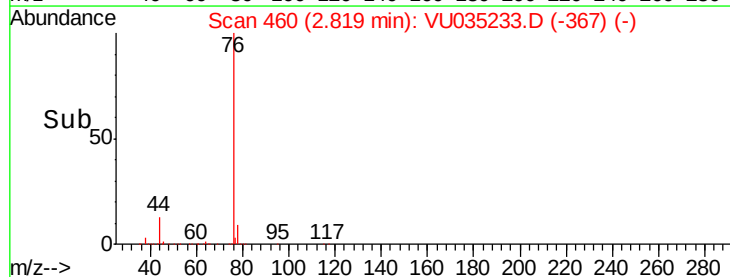
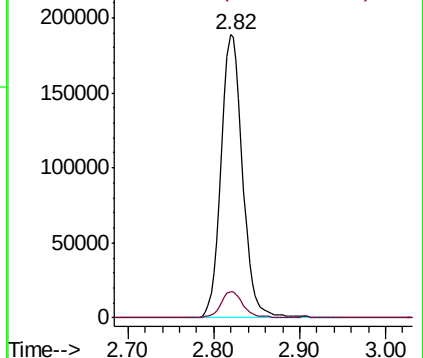
76 100

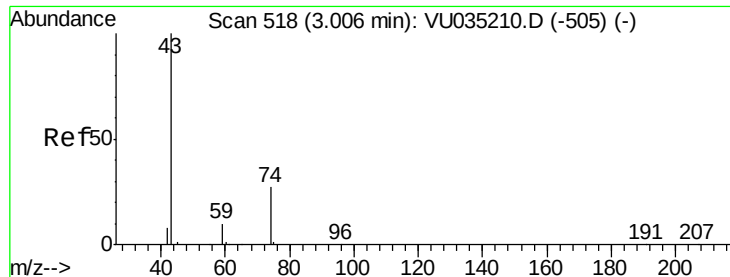
78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035210.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035210.D (-443) (-)

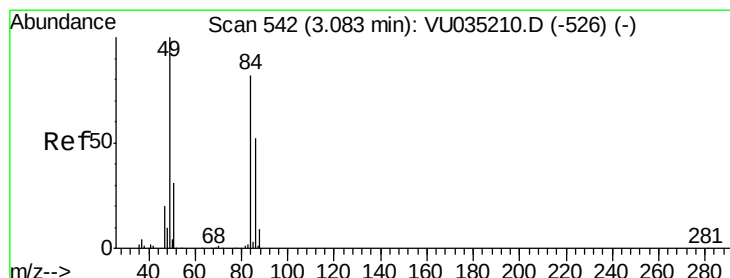
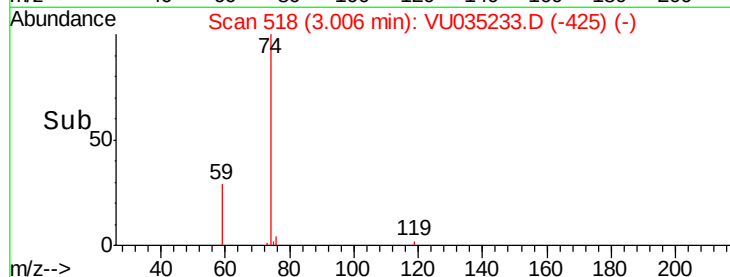
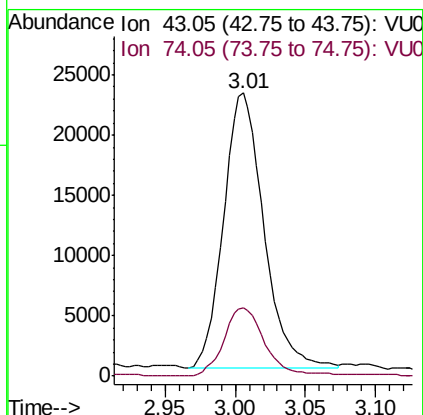
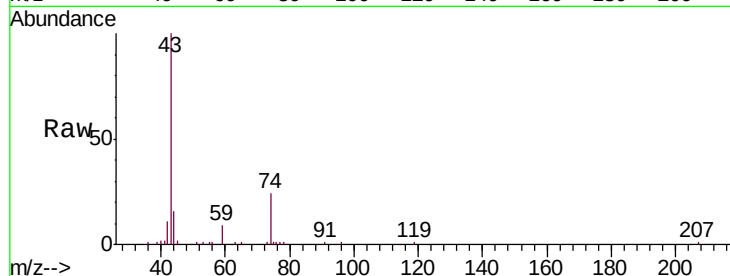




#15
Methyl Acetate
Concen: 4.450 ug/L
RT: 3.01 min Scan# 518
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

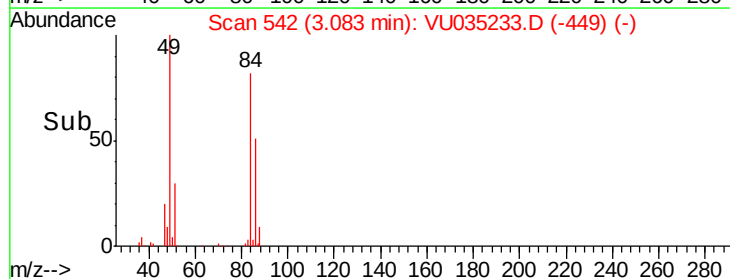
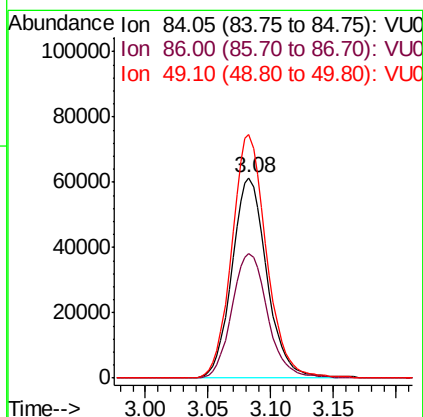
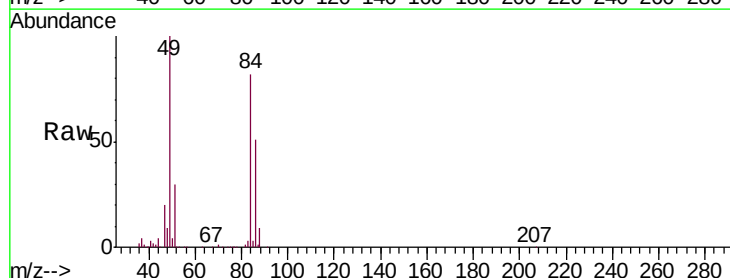
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

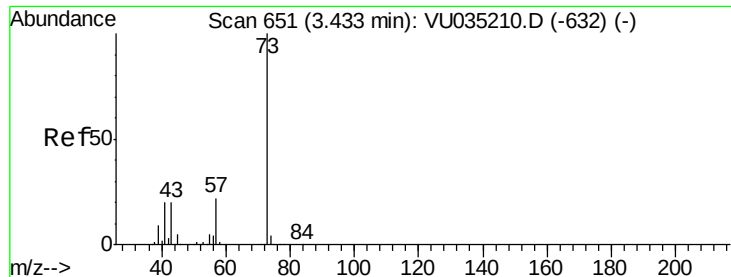
Tgt Ion: 43 Resp: 45749
Ion Ratio Lower Upper
43 100
74 25.5 20.3 30.5



#16
Methylene chloride
Concen: 4.533 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 84 Resp: 118610
Ion Ratio Lower Upper
84 100
86 62.0 45.4 84.2
49 121.6 86.8 161.2

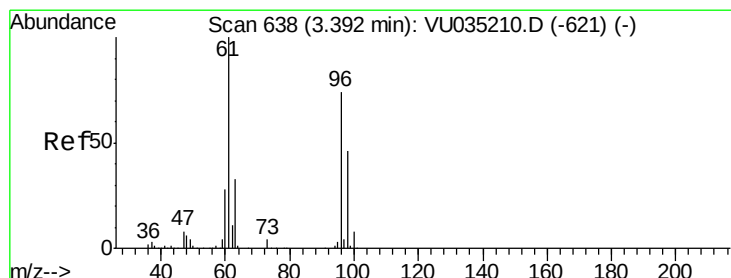
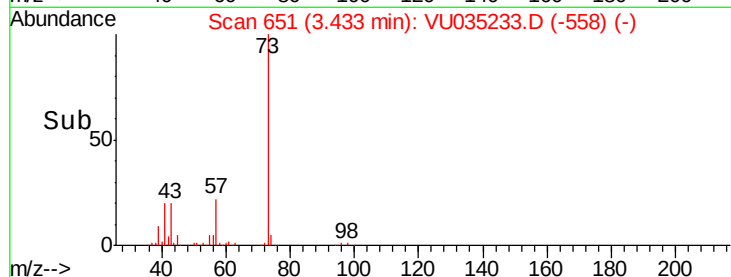
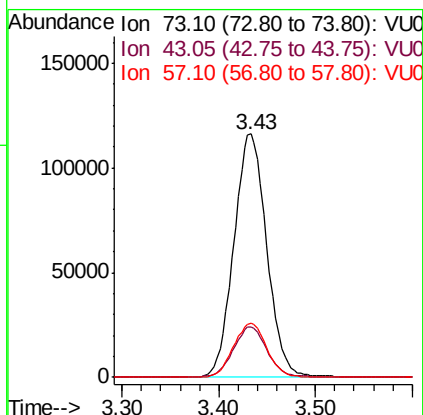
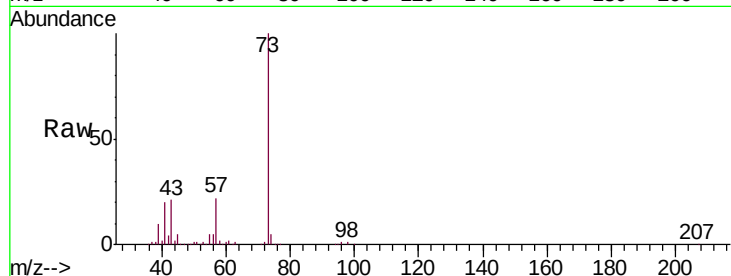




#17
Methyl tert-butyl Ether
Concen: 4.683 ug/L
RT: 3.43 min Scan# 651
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

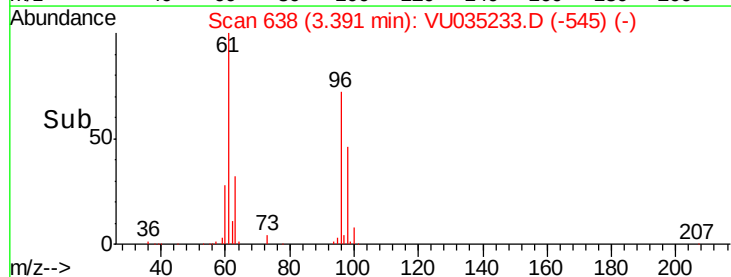
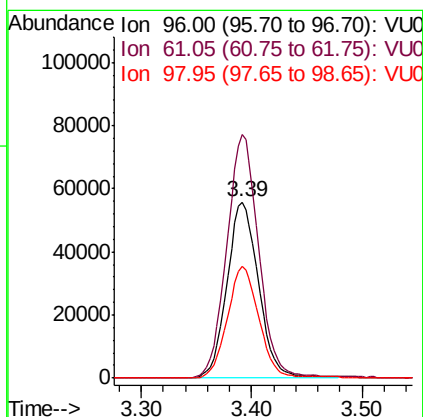
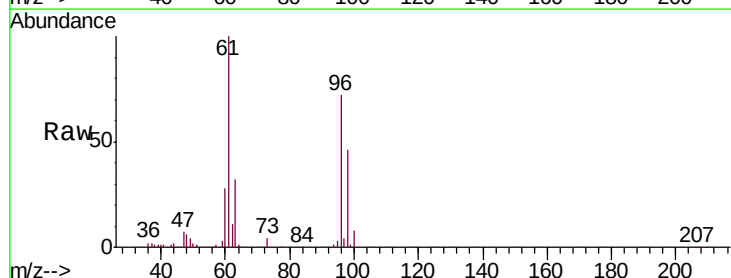
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

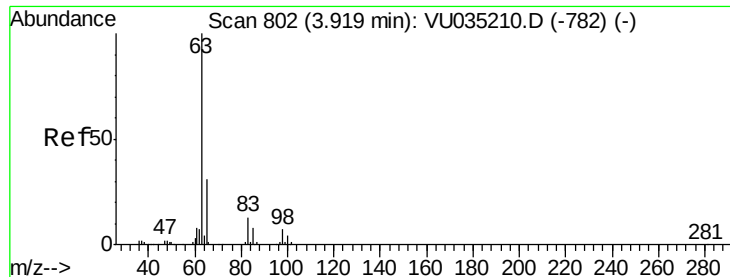
Tgt Ion: 73 Resp: 274141
Ion Ratio Lower Upper
73 100
43 21.1 16.0 24.0
57 22.6 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 4.720 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 96 Resp: 110789
Ion Ratio Lower Upper
96 100
61 138.4 93.0 172.6
98 63.2 43.7 81.1

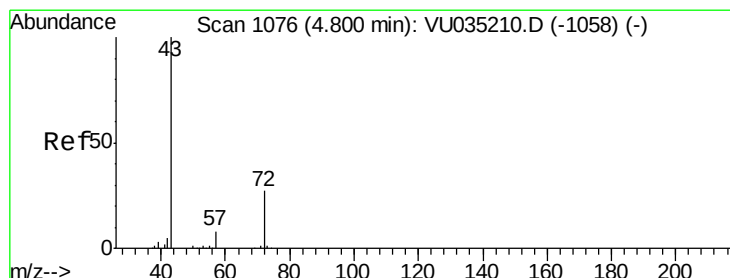
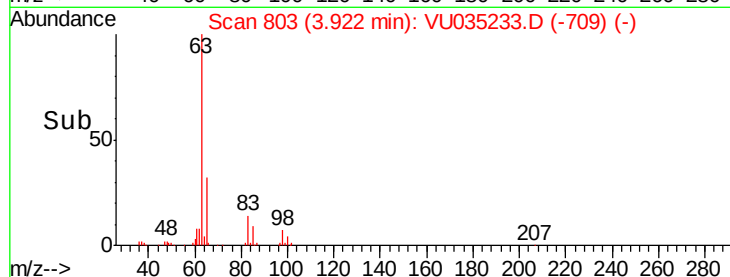
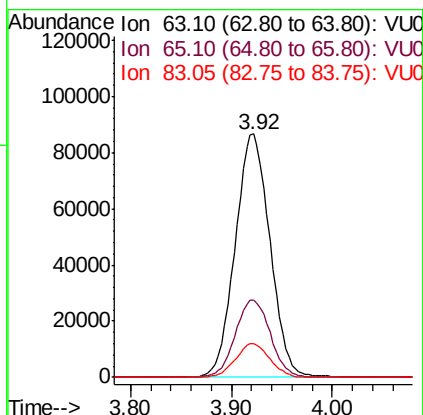
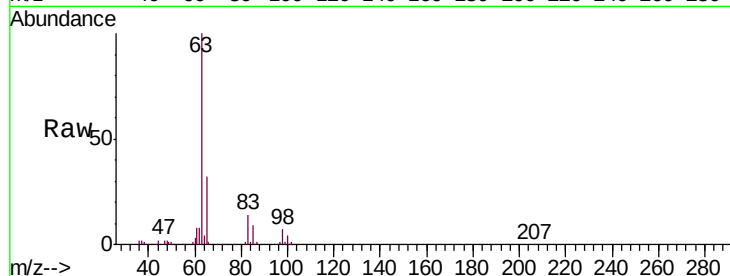




#19
1,1-Dichloroethane
Concen: 4.879 ug/L
RT: 3.92 min Scan# 803
Delta R.T. 0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

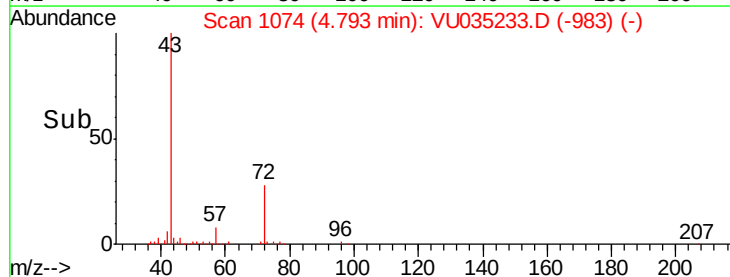
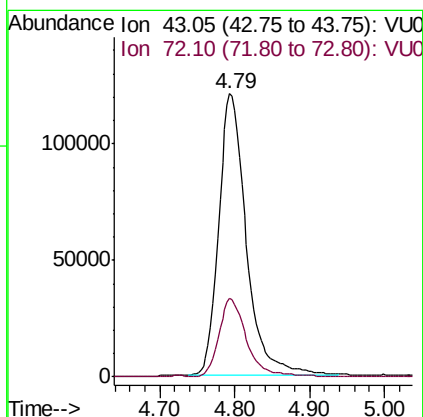
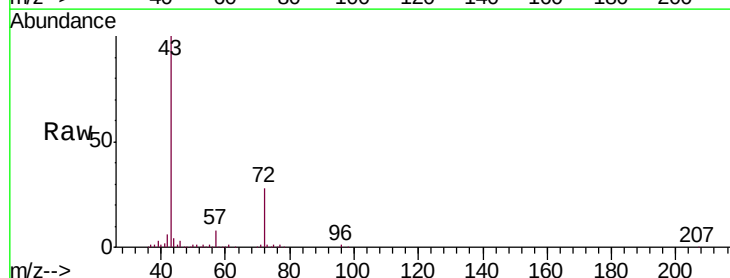
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

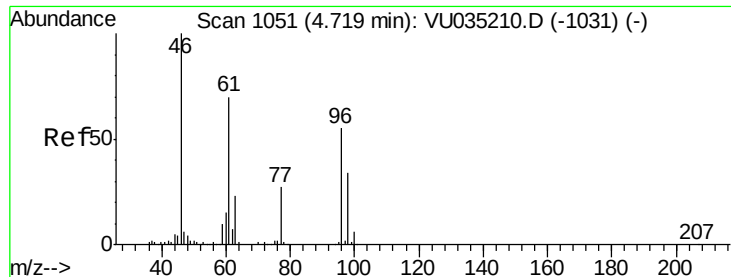
Tgt Ion: 63 Resp: 207085
Ion Ratio Lower Upper
63 100
65 31.7 22.4 41.6
83 14.1 9.3 17.3



#21
2-Butanone
Concen: 45.707 ug/L
RT: 4.79 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 43 Resp: 307402
Ion Ratio Lower Upper
43 100
72 27.8 13.6 40.8

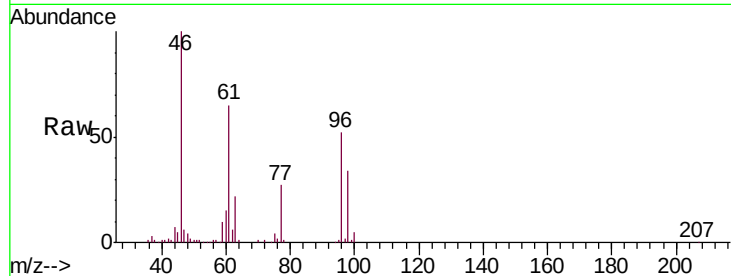




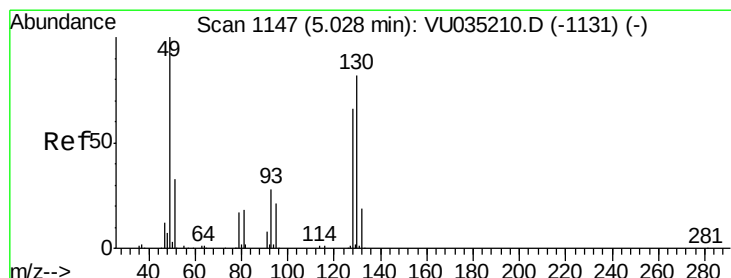
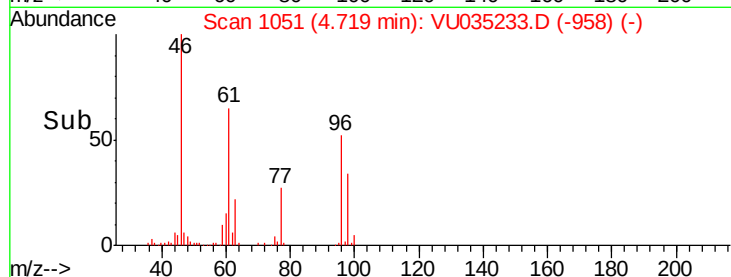
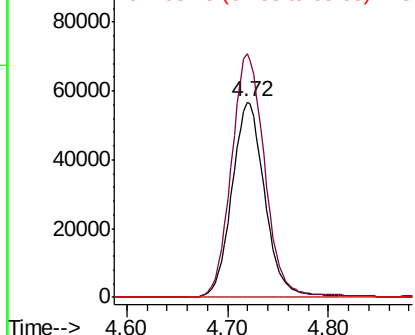
#22
 cis-1,2-Dichloroethene
 Concen: 4.946 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion: 96 Resp: 128314
 Ion Ratio Lower Upper
 96 100
 61 124.8 89.7 166.5
 68 0.0 0.0 0.0

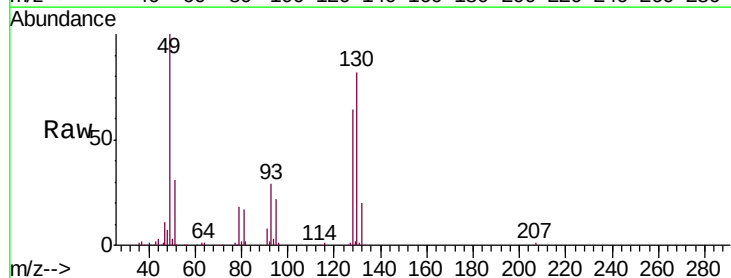


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

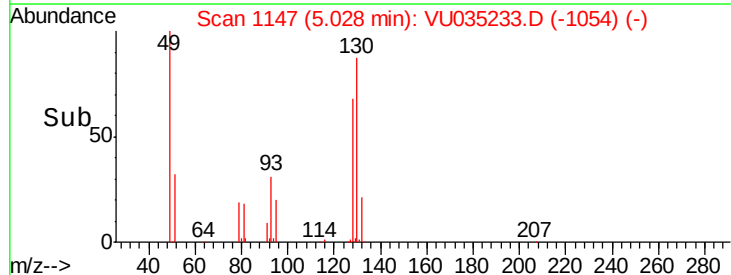
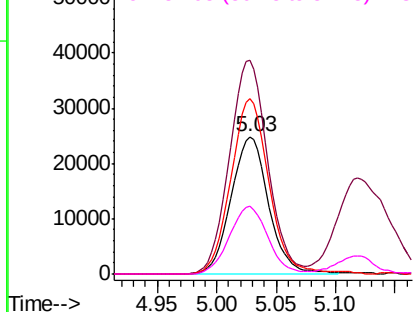


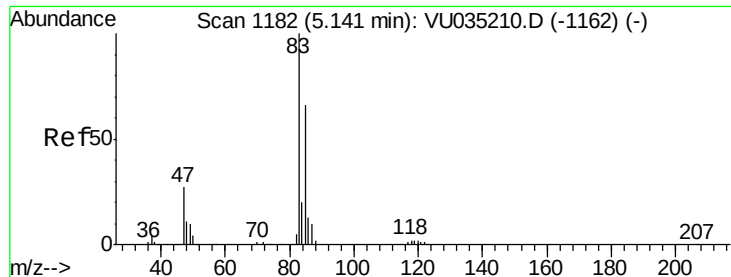
#23
 Bromochloromethane
 Concen: 4.869 ug/L
 RT: 5.03 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion: 128 Resp: 54379
 Ion Ratio Lower Upper
 128 100
 49 155.4 109.3 203.1
 130 127.3 88.7 164.7
 51 48.9 39.2 58.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

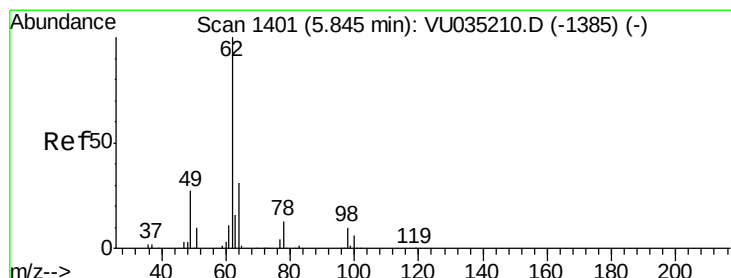
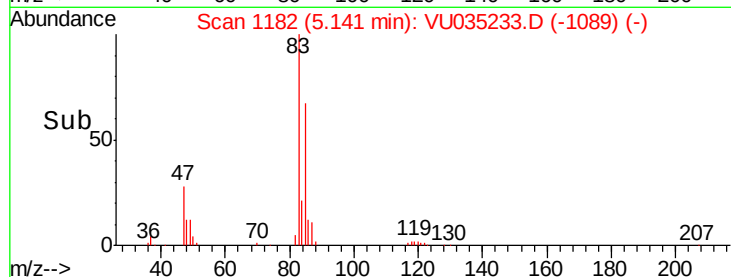
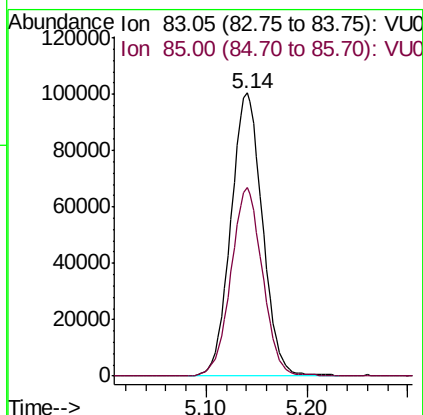
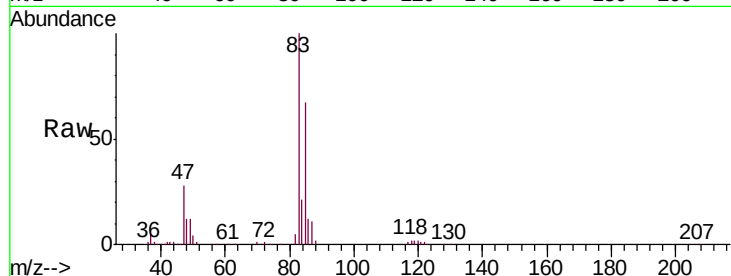




#25
Chloroform
Concen: 4.684 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

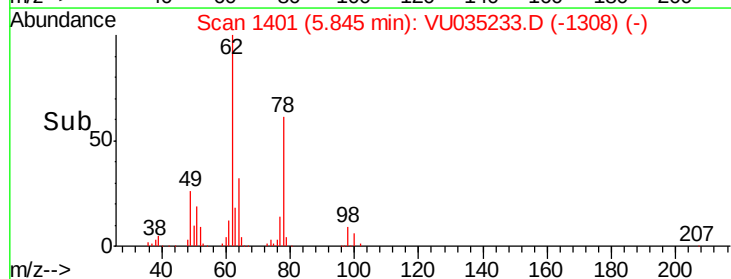
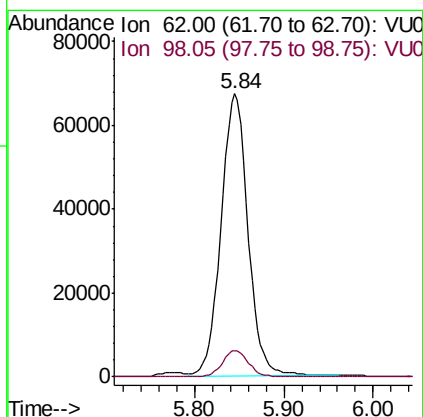
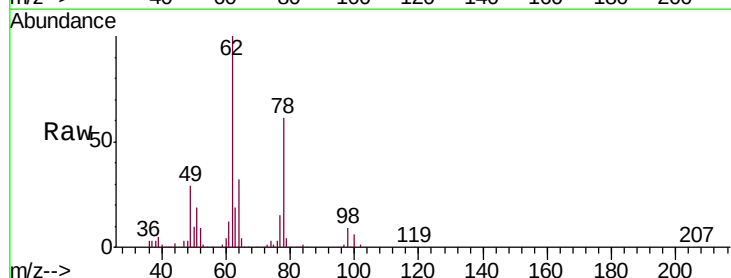
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

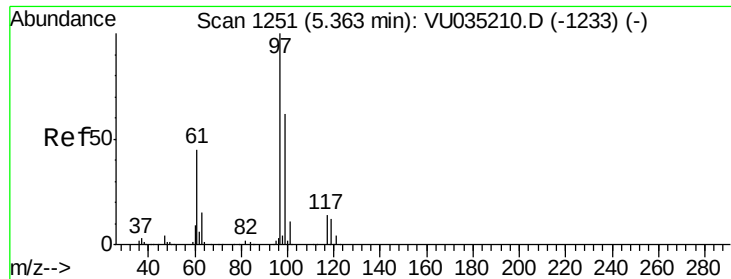
Tgt Ion: 83 Resp: 218163
Ion Ratio Lower Upper
83 100
85 66.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.944 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 62 Resp: 141224
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6

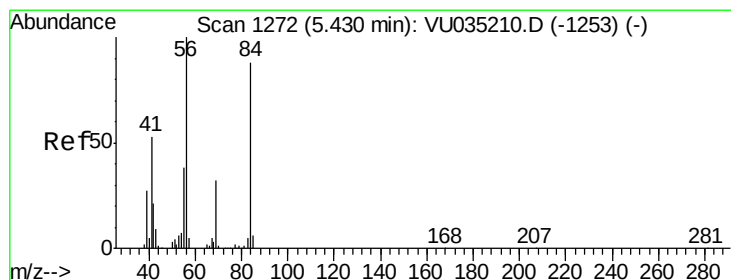
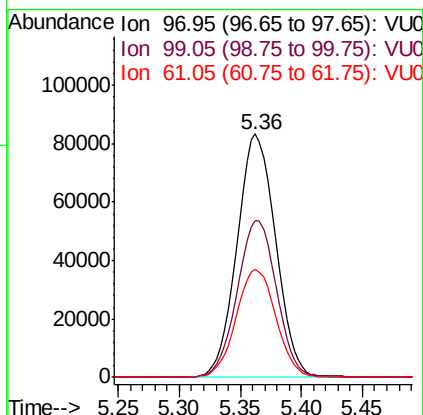
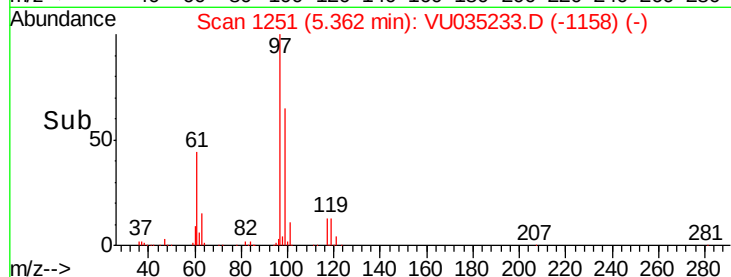
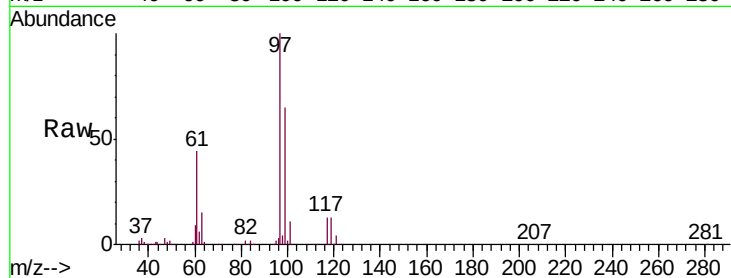




#29
 1,1,1-Trichloroethane
 Concen: 4.801 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

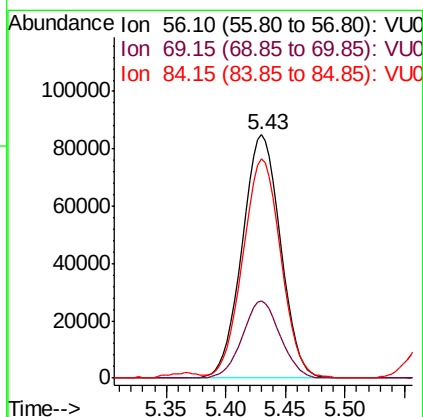
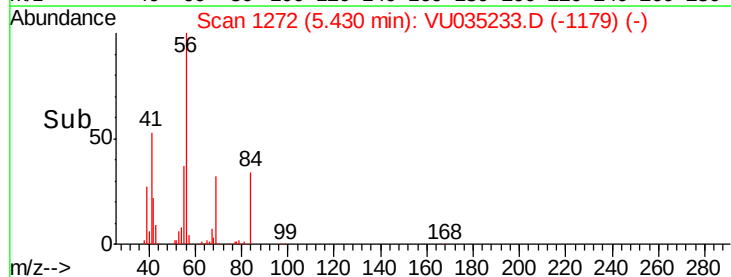
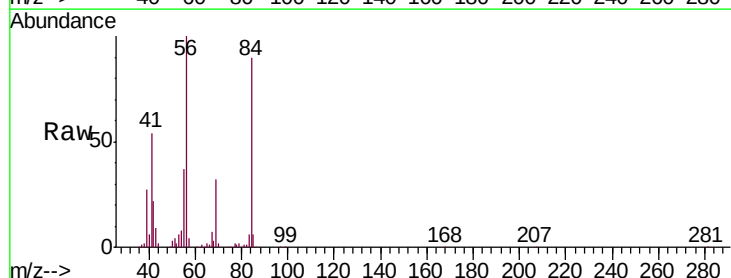
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

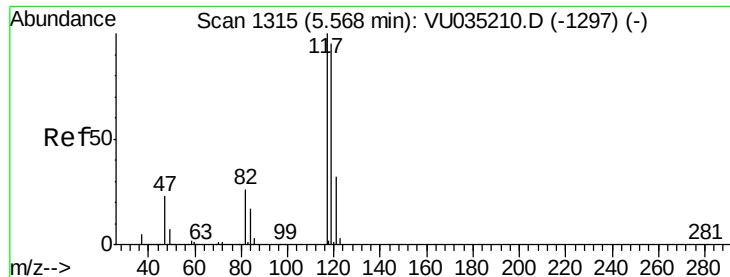
Tgt Ion: 97 Resp: 182922
 Ion Ratio Lower Upper
 97 100
 99 65.9 52.6 79.0
 61 45.7 37.0 55.4



#30
 Cyclohexane
 Concen: 4.653 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion: 56 Resp: 189867
 Ion Ratio Lower Upper
 56 100
 69 31.1 24.6 36.8
 84 89.7 71.5 107.3





#31

Carbon tetrachloride

Concen: 4.772 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

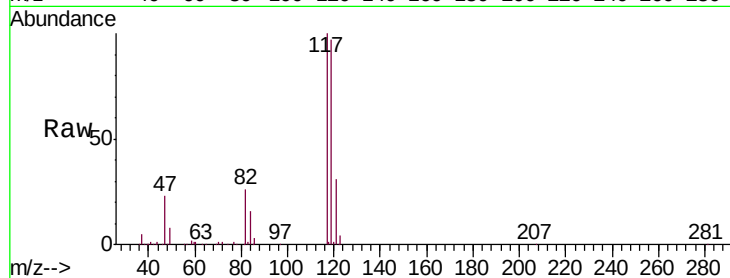
VSTD00524

Tgt Ion:117 Resp: 163720

Ion Ratio Lower Upper

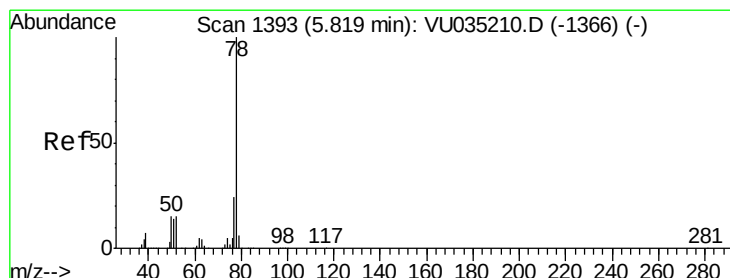
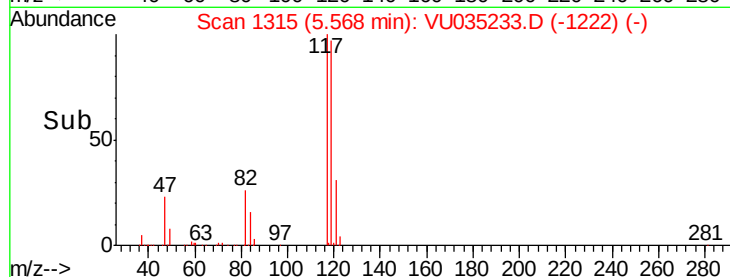
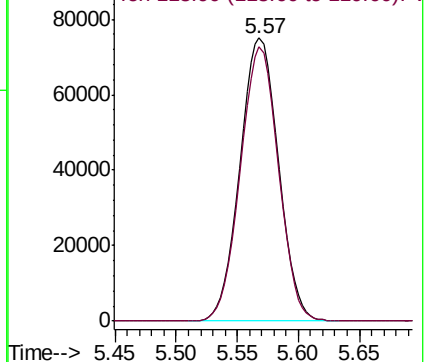
117 100

119 95.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.884 ug/L

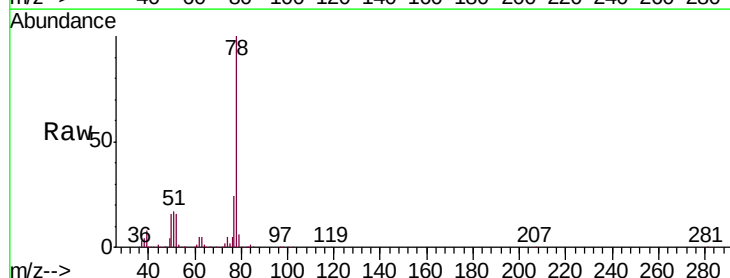
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

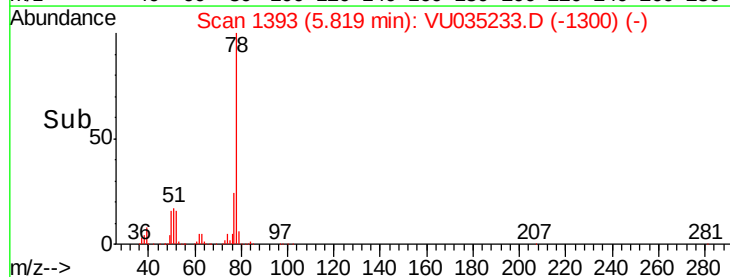
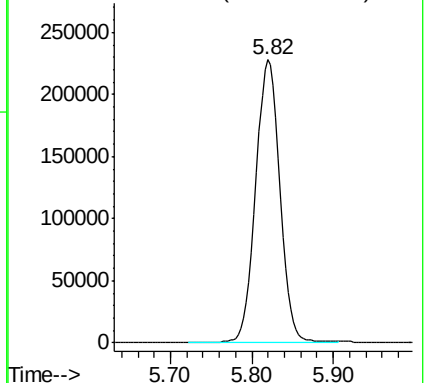
Lab File: VU035233.D

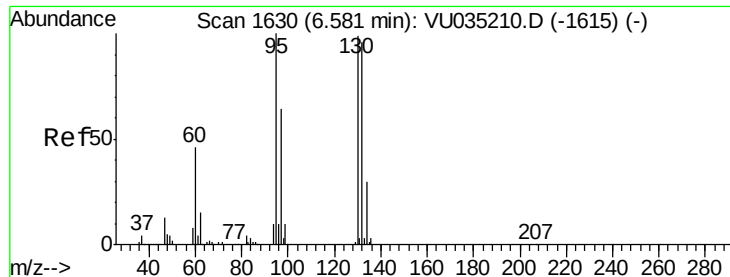
Acq: 18 Oct 2019 00:35

Tgt Ion: 78 Resp: 467452



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.725 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tgt Ion: 95 Resp: 121575

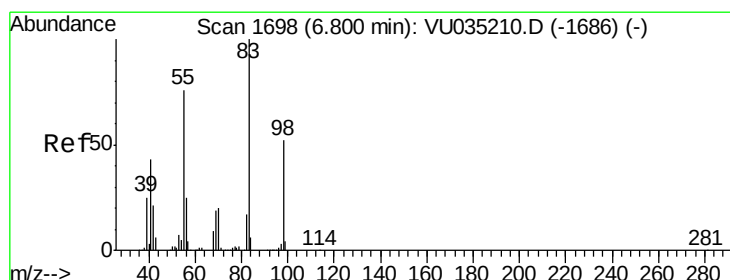
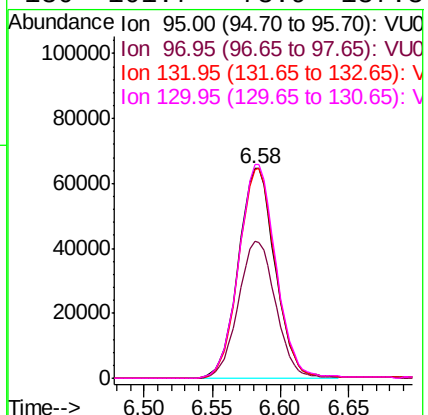
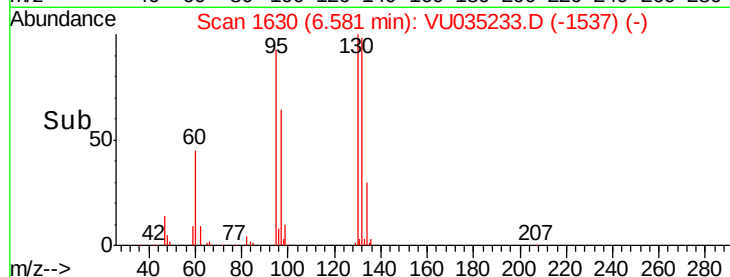
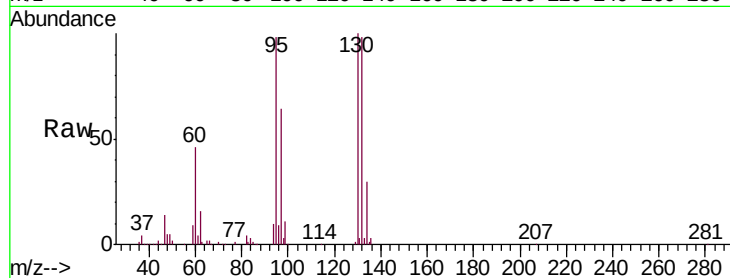
Ion Ratio Lower Upper

95 100

97 65.2 46.6 86.6

132 99.5 68.7 127.7

130 101.7 73.9 137.3



#35

Methylcyclohexane

Concen: 4.617 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

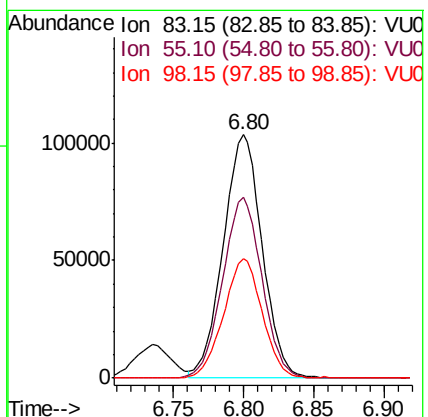
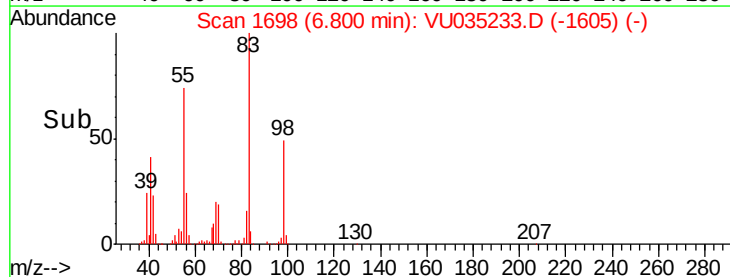
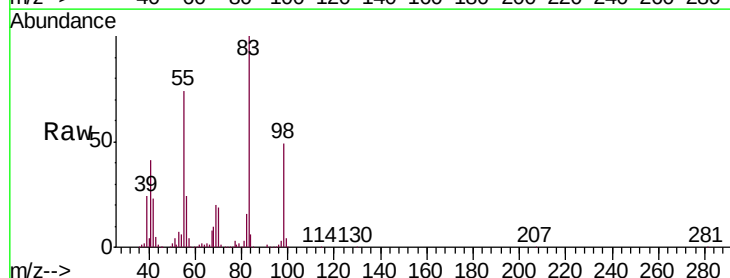
Tgt Ion: 83 Resp: 198512

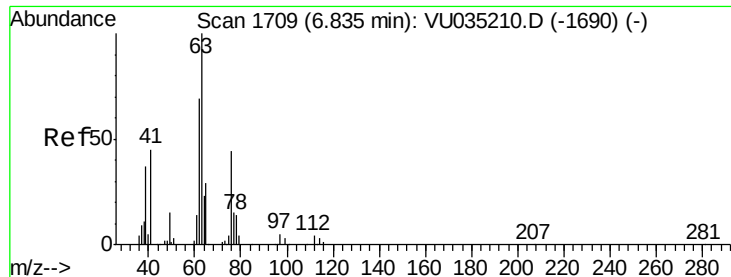
Ion Ratio Lower Upper

83 100

55 74.8 60.4 90.6

98 49.1 39.5 59.3

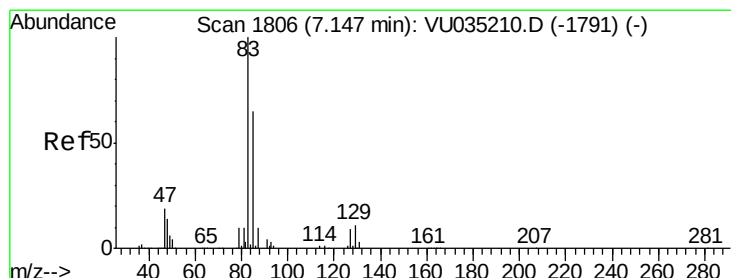
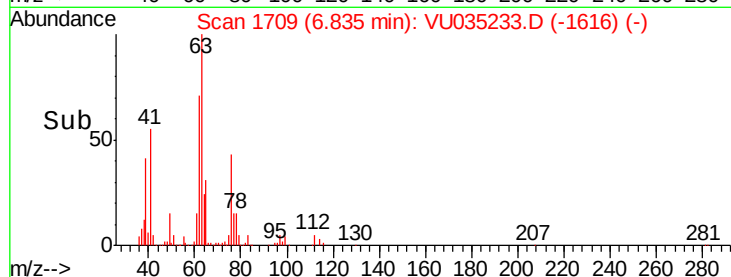
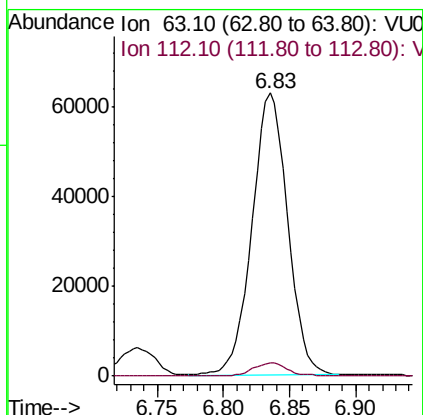
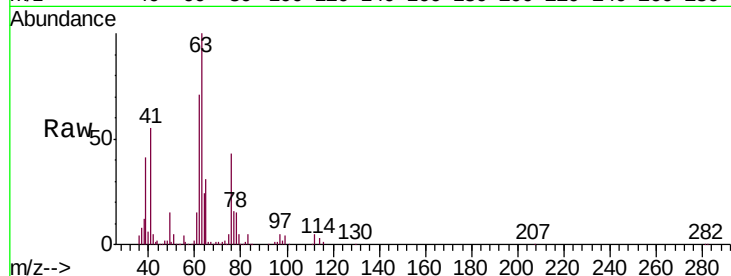




#37
 1,2-Dichloropropane
 Concen: 4.880 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

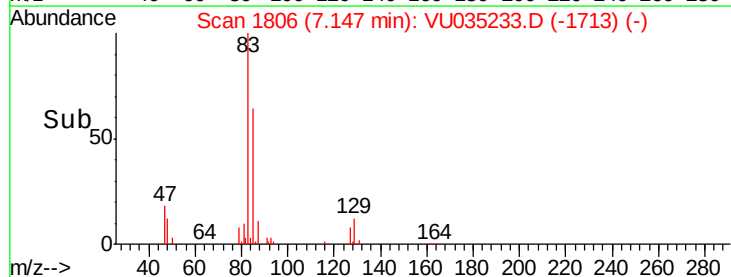
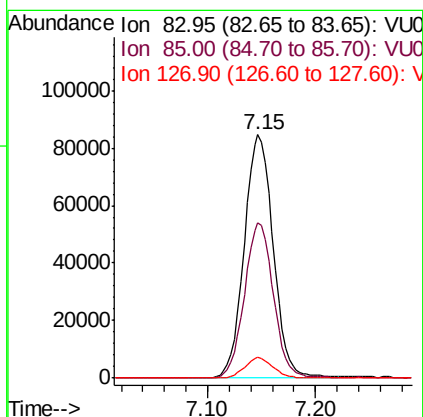
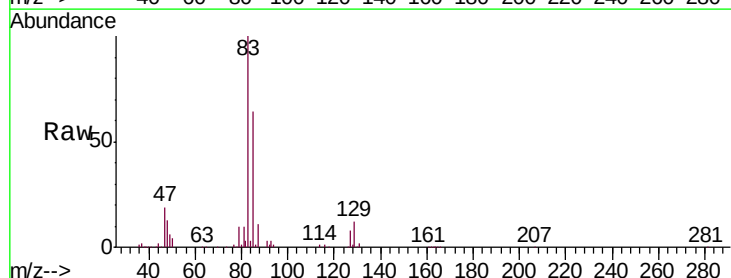
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

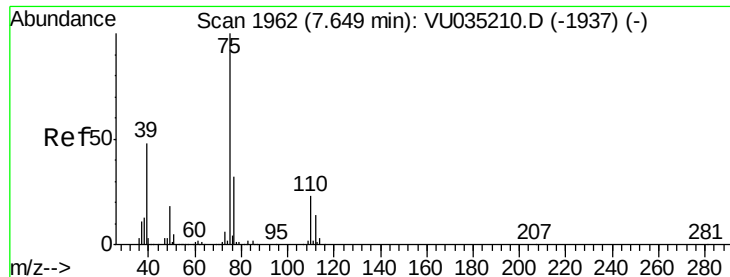
Tgt Ion: 63 Resp: 118541
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.846 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion: 83 Resp: 158597
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.6 84.8
 127 8.3 6.9 10.3

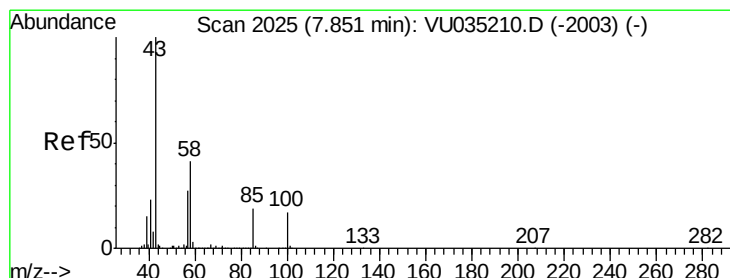
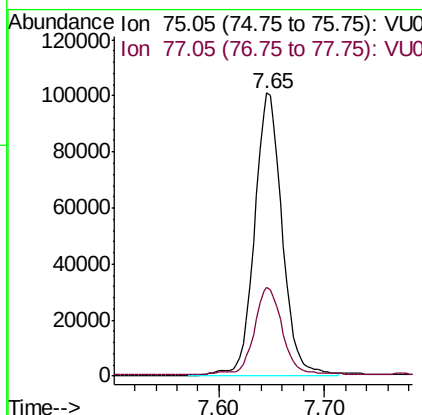
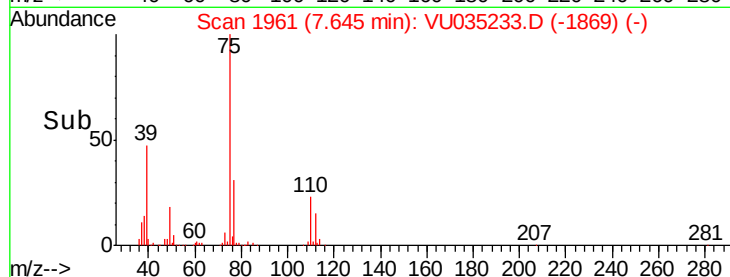
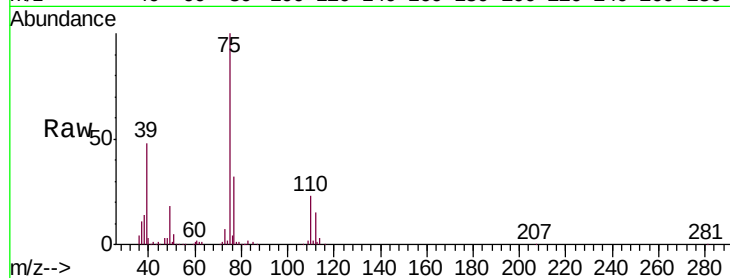




#39
 cis-1,3-Dichloropropene
 Concen: 4.568 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

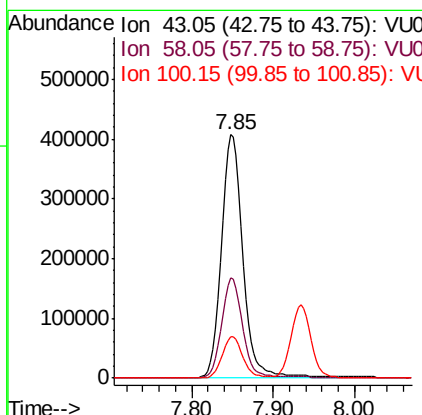
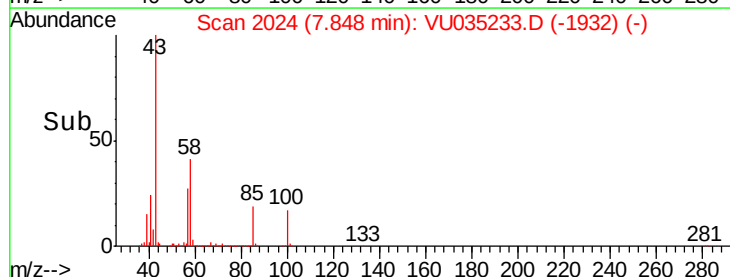
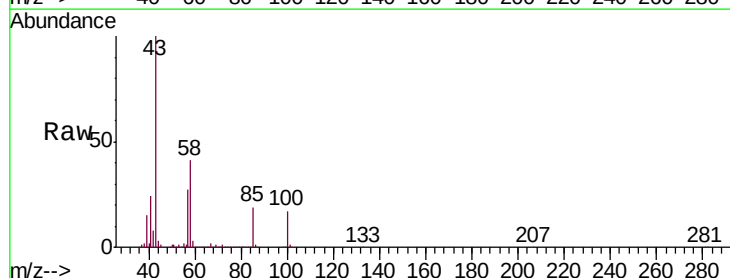
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

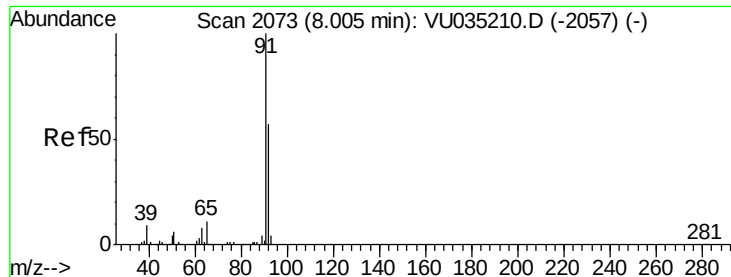
Tgt Ion: 75 Resp: 185748
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 46.589 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion: 43 Resp: 764096
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.3 48.5
 100 16.3 13.4 20.2





#42

Toluene

Concen: 4.822 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

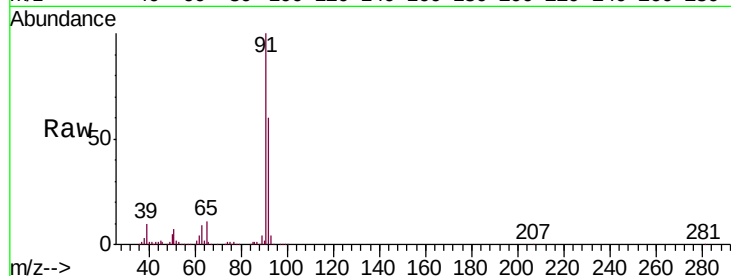
VSTD00524

Tgt Ion: 91 Resp: 509419

Ion Ratio Lower Upper

91 100

92 59.7 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035210.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035210.D (-2057) (-)

8.01

300000

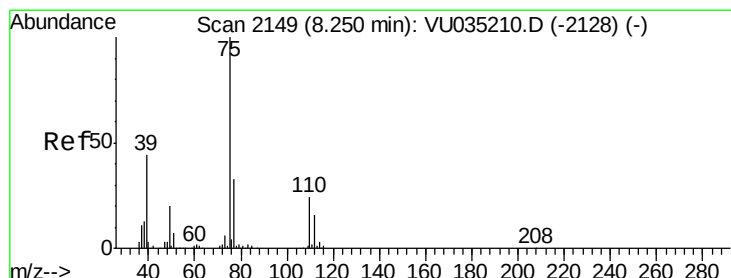
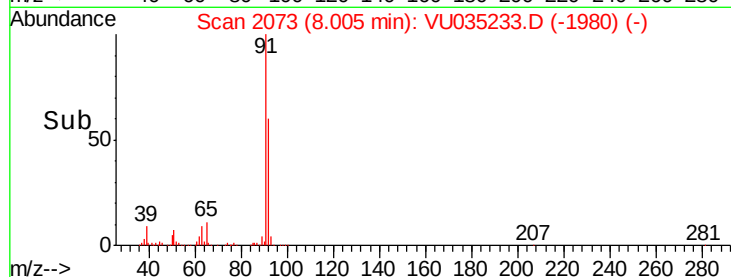
200000

100000

0

7.90 8.00 8.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.552 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. -0.00 min

Lab File: VU035233.D

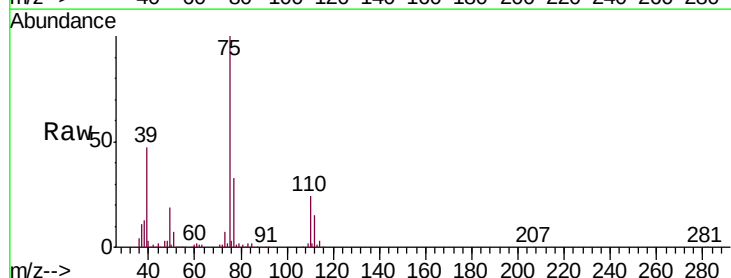
Acq: 18 Oct 2019 00:35

Tgt Ion: 75 Resp: 151266

Ion Ratio Lower Upper

75 100

77 33.2 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035210.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035210.D (-2128) (-)

8.25

80000

60000

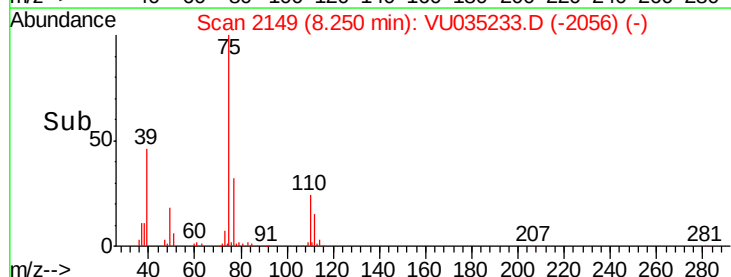
40000

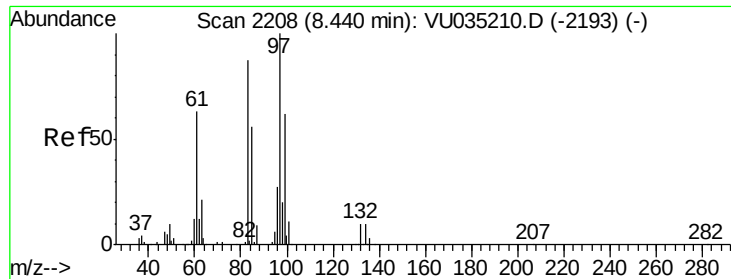
20000

0

8.20 8.30

Time-->

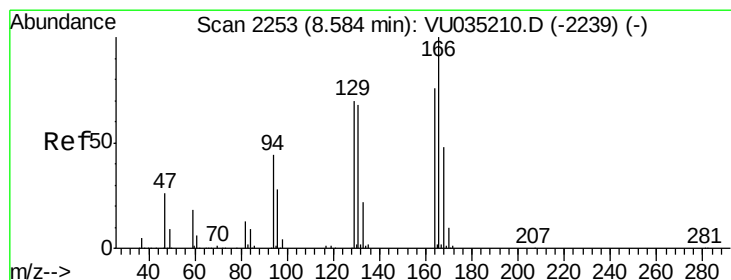
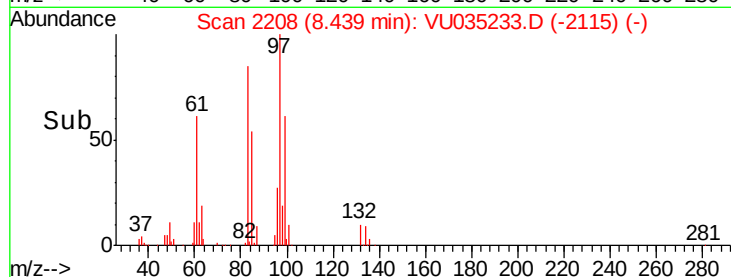
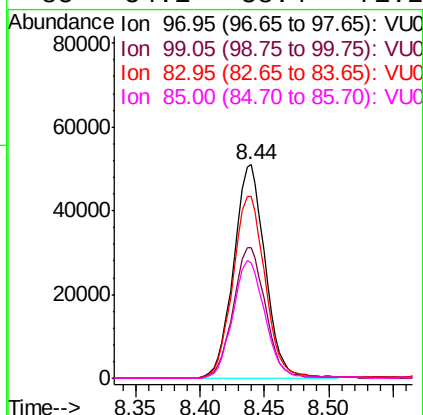
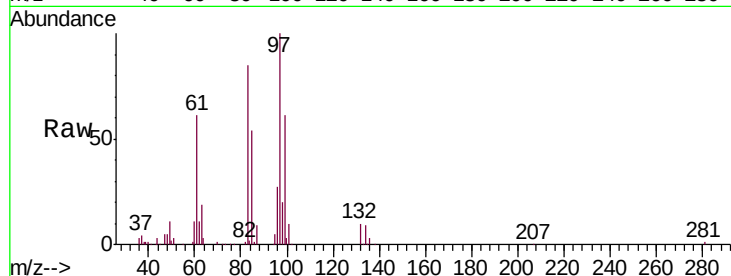




#45
 1,1,2-Trichloroethane
 Concen: 4.812 ug/L
 RT: 8.44 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

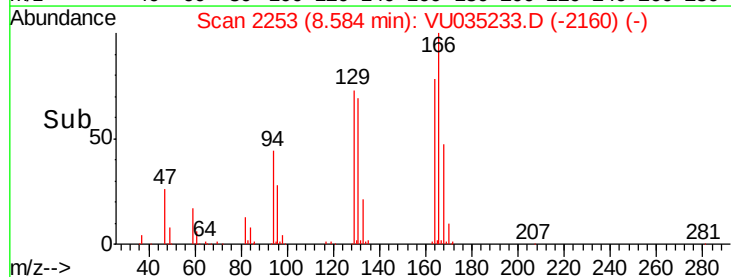
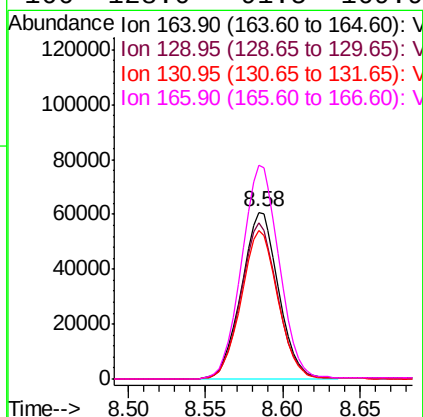
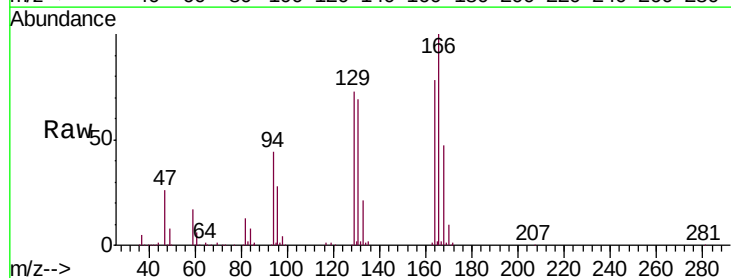
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

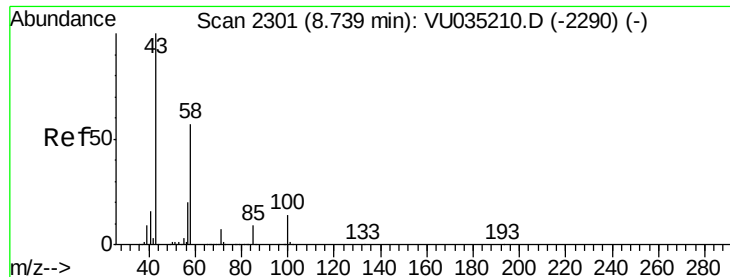
Tgt Ion:	97	Resp:	86791
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.9	79.7
83	85.1	60.4	112.2
85	54.1	38.4	71.2



#47
 Tetrachloroethene
 Concen: 4.741 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion:	164	Resp:	101632
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.2	121.0
131	88.6	62.9	116.9
166	128.0	91.5	169.9

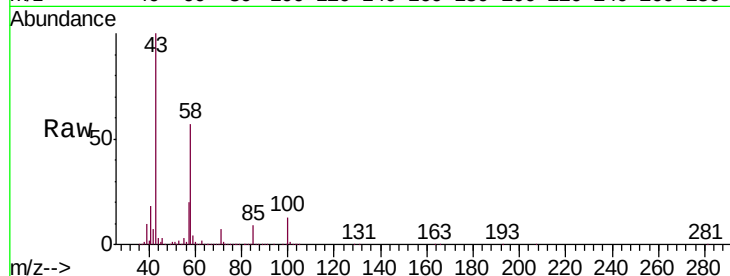




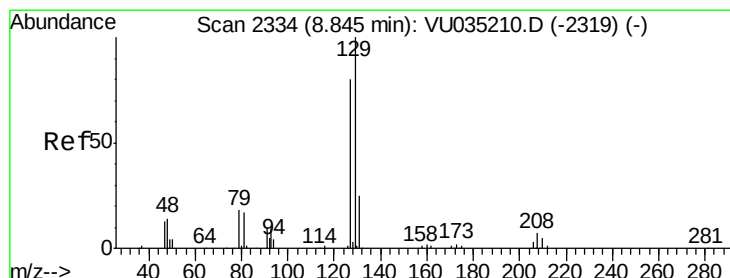
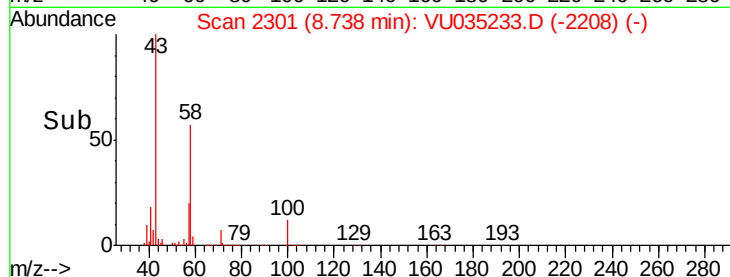
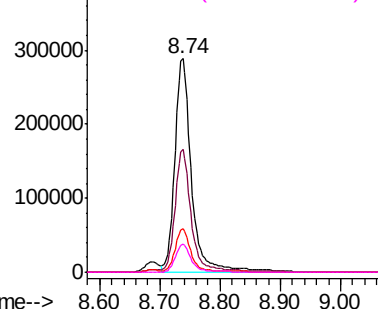
#48
2-Hexanone
Concen: 48.371 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tgt Ion: 43 Resp: 556352
Ion Ratio Lower Upper
43 100
58 55.6 45.1 67.7
57 18.6 16.0 24.0
100 12.7 10.4 15.6

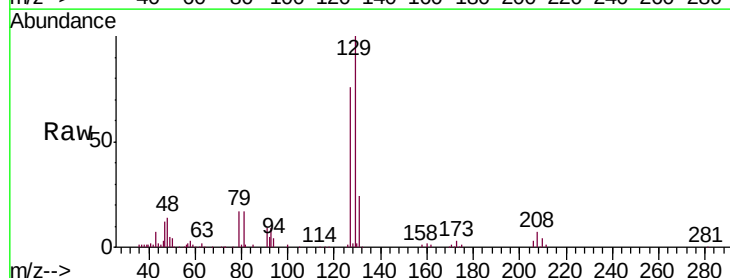


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

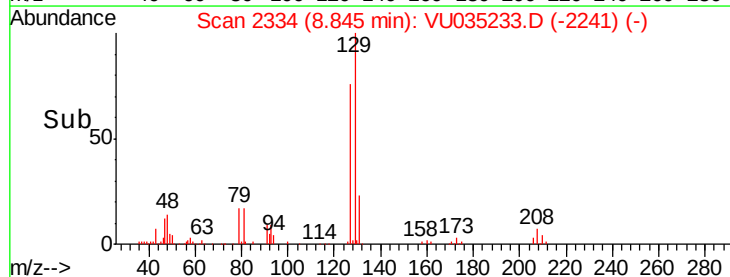
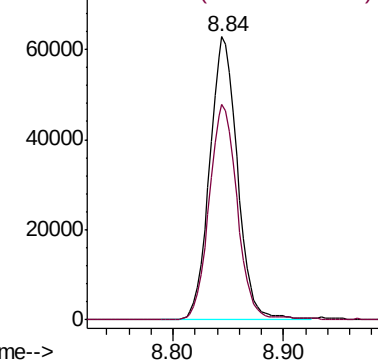


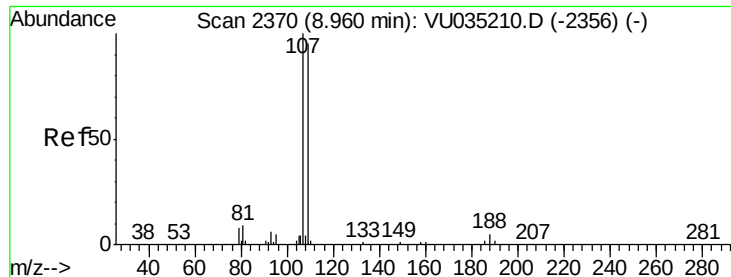
#49
Dibromochloromethane
Concen: 4.789 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion: 129 Resp: 109502
Ion Ratio Lower Upper
129 100
127 76.1 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

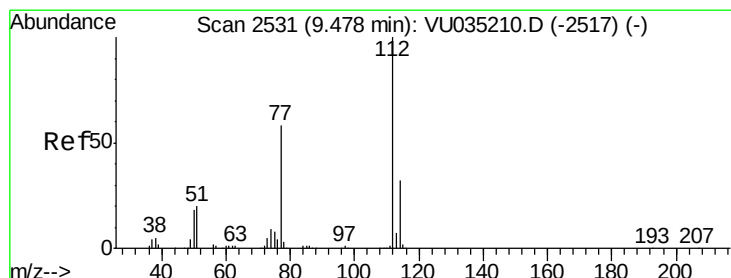
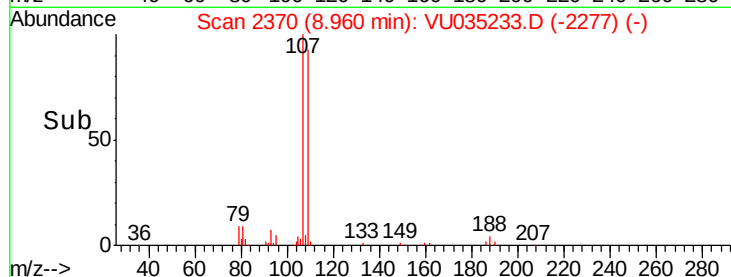
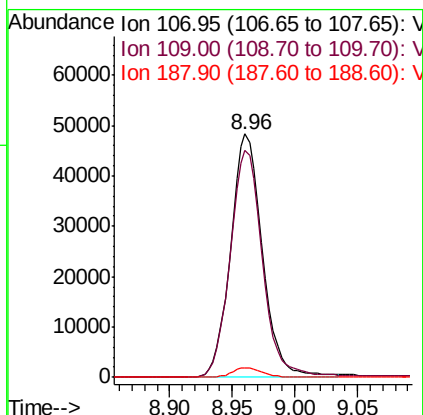
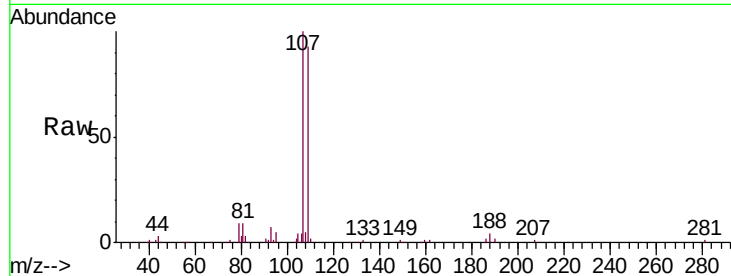




#50
1,2-Dibromoethane
Concen: 4.721 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

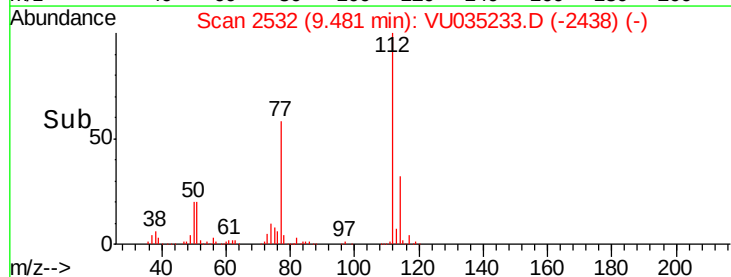
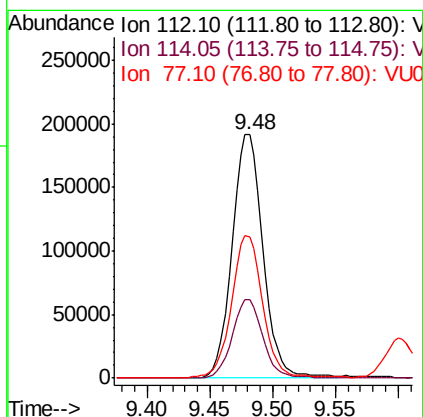
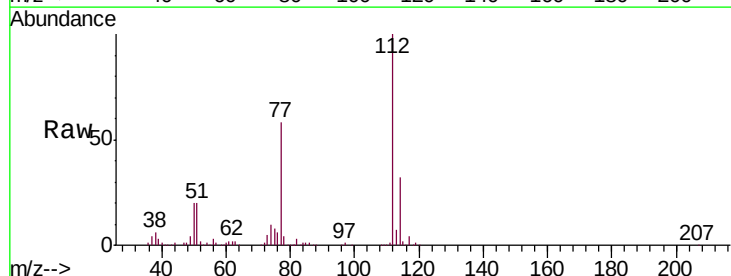
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

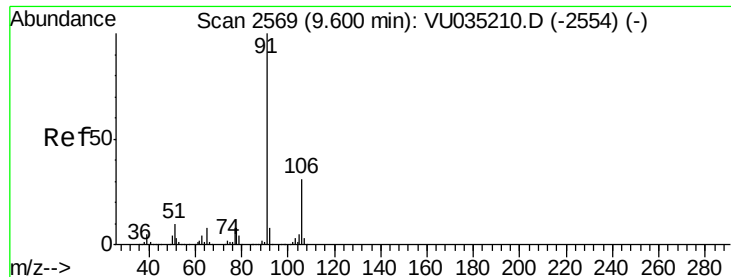
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	66.1	122.8
188	3.8	3.2	4.8



#51
Chlorobenzene
Concen: 4.816 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	23.0	42.8
77	58.1	47.5	71.3





#52

Ethylbenzene

Concen: 4.805 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

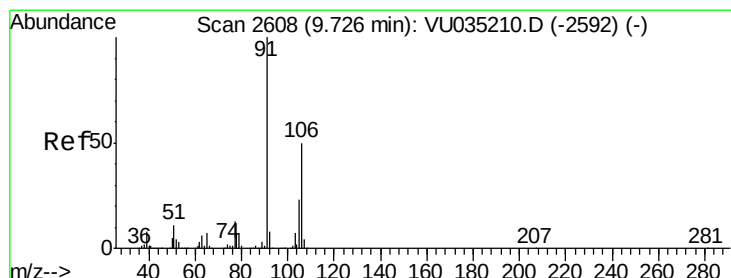
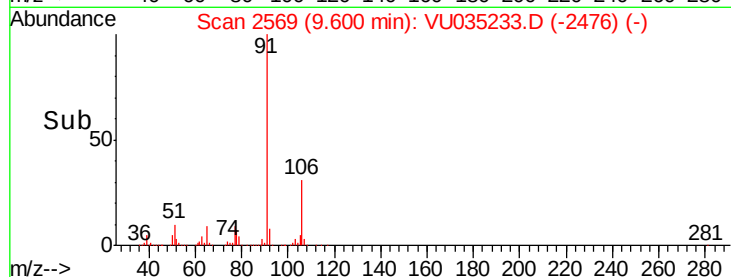
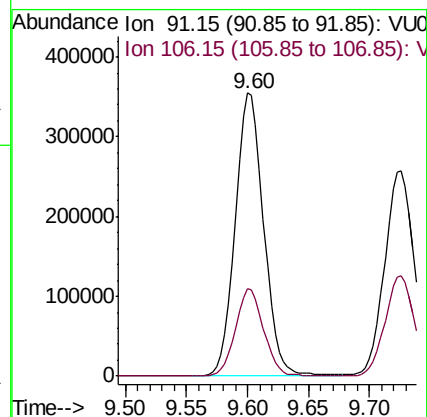
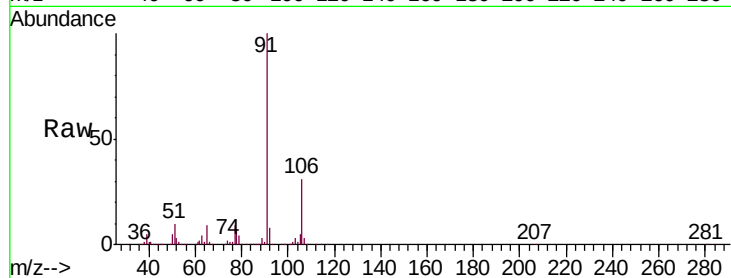
VSTD00524

Tgt Ion: 91 Resp: 577177

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.6



#53

m,p-Xylene

Concen: 4.689 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035233.D

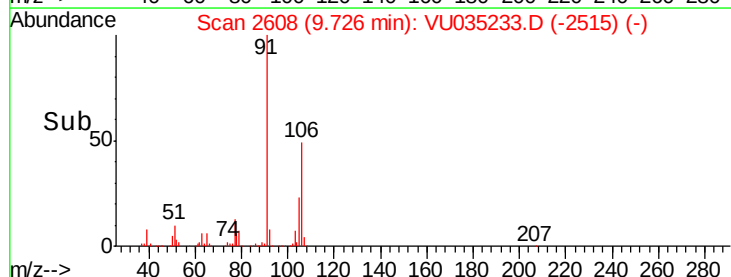
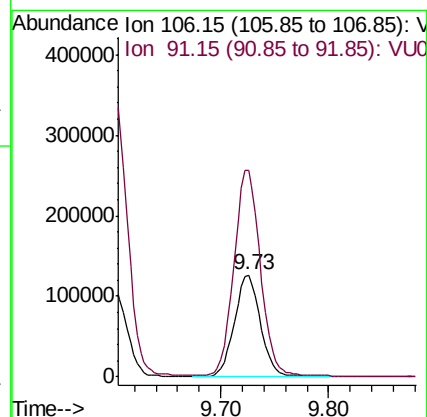
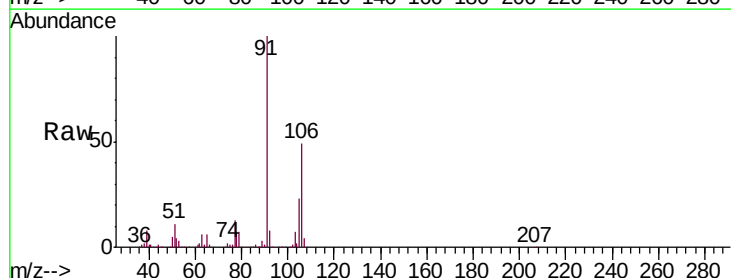
Acq: 18 Oct 2019 00:35

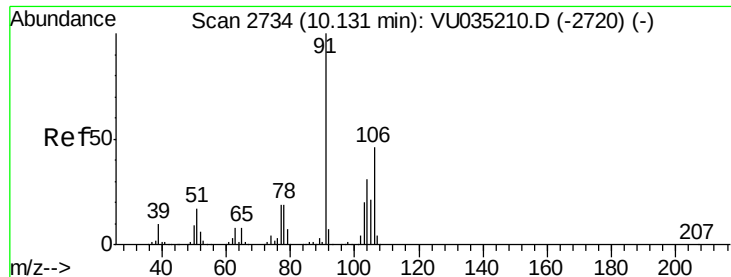
Tgt Ion: 106 Resp: 212719

Ion Ratio Lower Upper

106 100

91 203.5 142.0 263.6

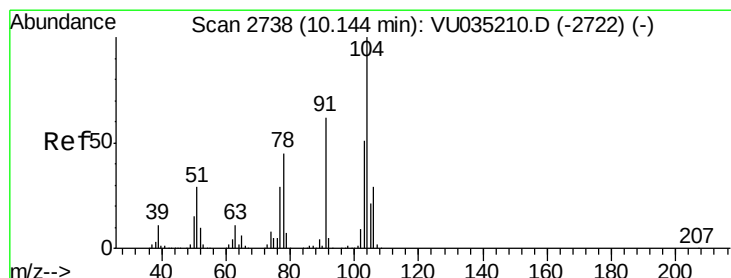
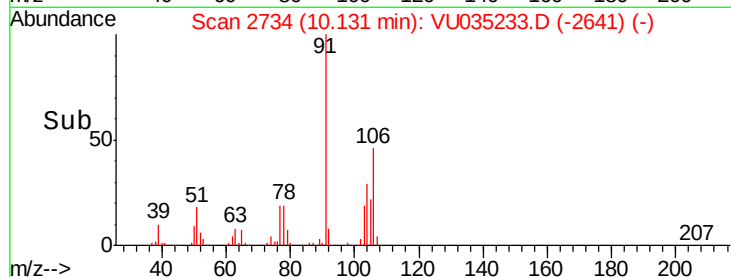
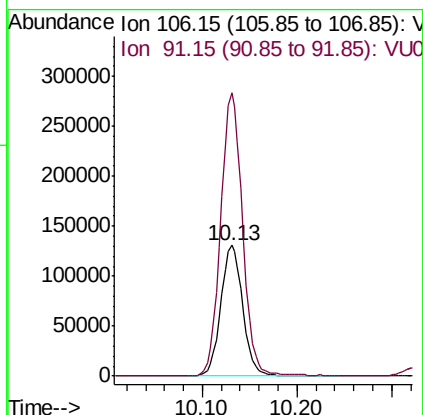
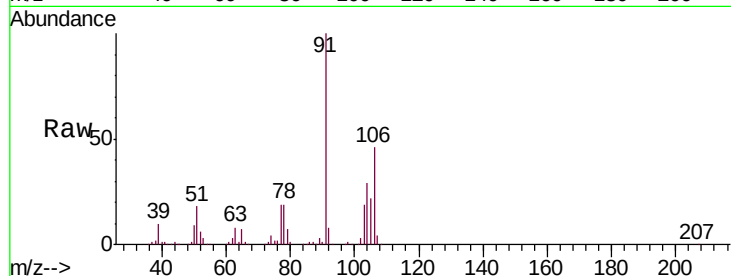




#54
o-Xylene
Concen: 4.755 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

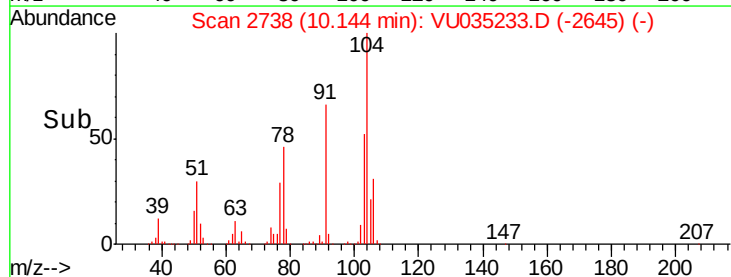
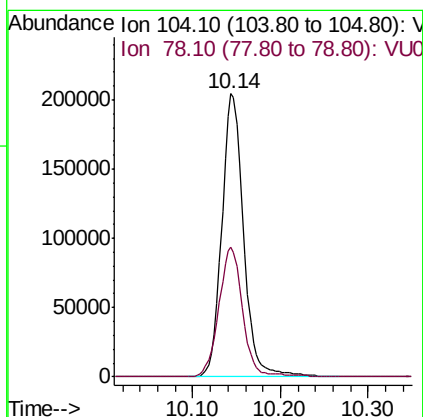
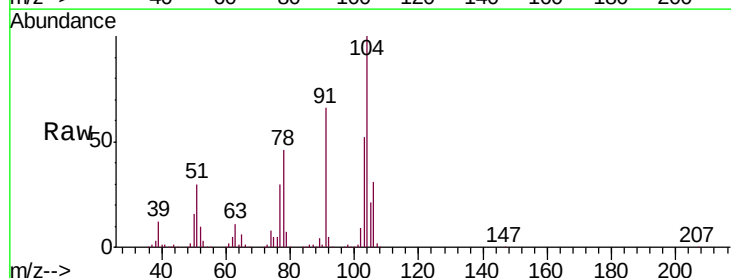
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

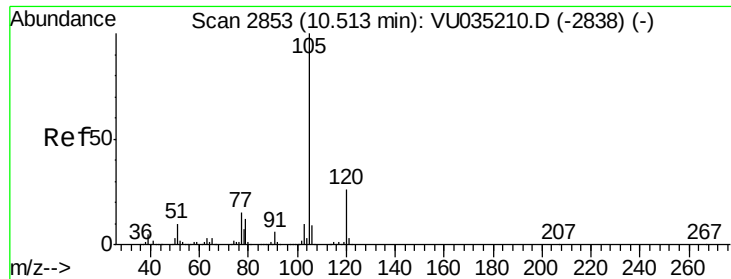
Tgt Ion:106 Resp: 210535
Ion Ratio Lower Upper
106 100
91 216.3 153.2 284.6



#55
Styrene
Concen: 4.907 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035233.D
Acq: 18 Oct 2019 00:35

Tgt Ion:104 Resp: 353731
Ion Ratio Lower Upper
104 100
78 46.0 31.3 58.1





#56

Isopropylbenzene

Concen: 4.754 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

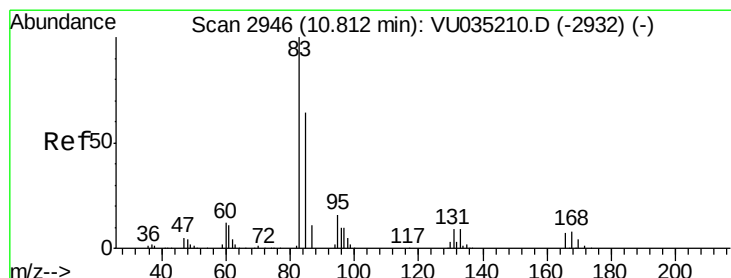
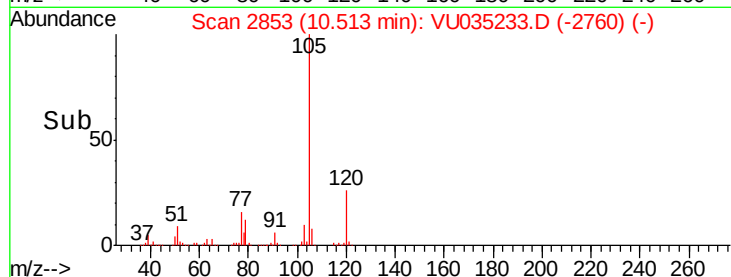
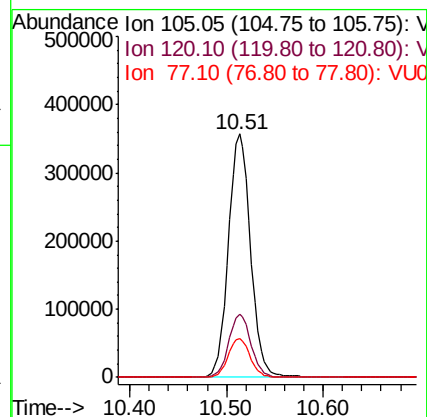
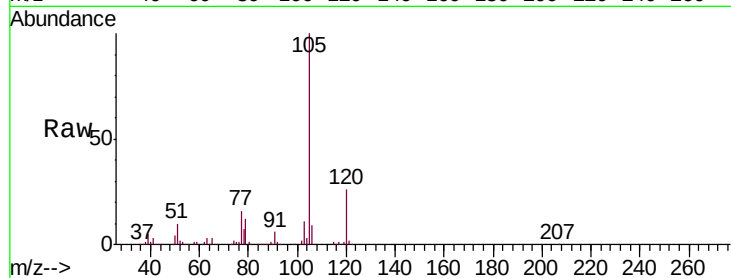
Tgt Ion: 105 Resp: 566148

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

77 16.0 12.6 19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.896 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

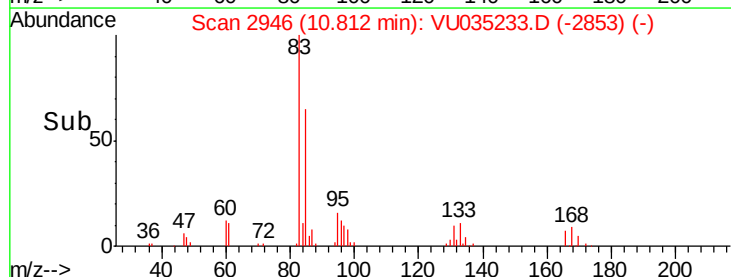
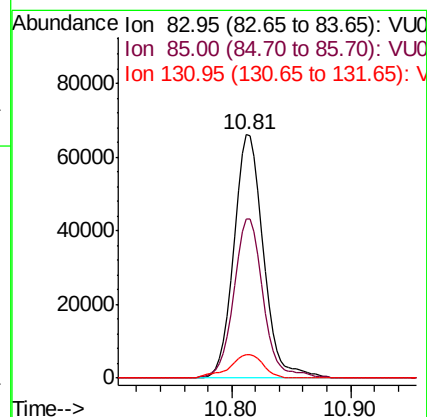
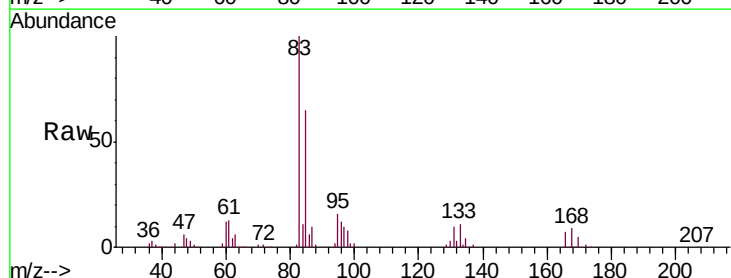
Tgt Ion: 83 Resp: 113641

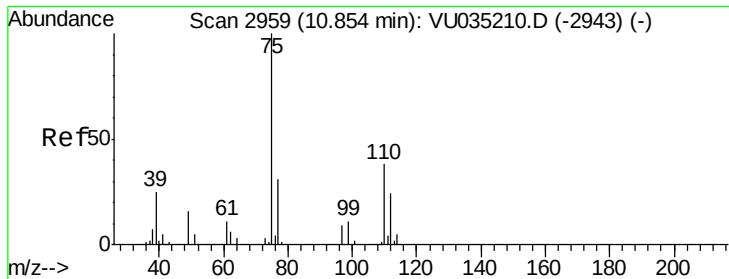
Ion Ratio Lower Upper

83 100

85 65.2 46.8 86.8

131 9.8 7.5 11.3





#59

1,2,3-Trichloropropane

Concen: 4.708 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

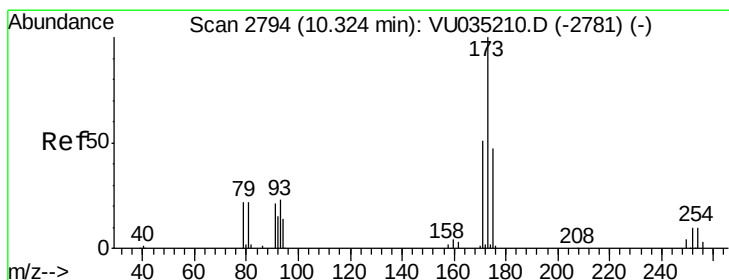
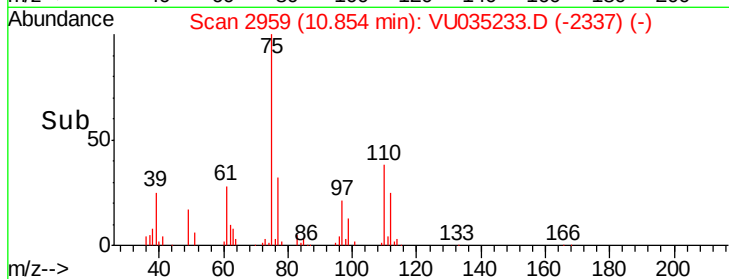
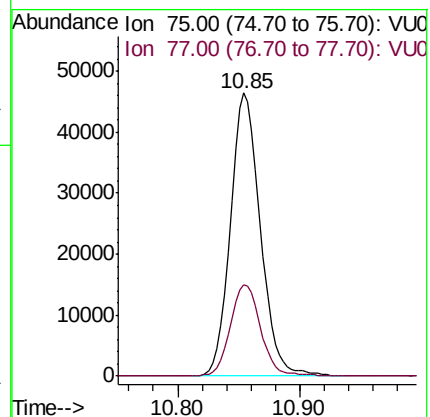
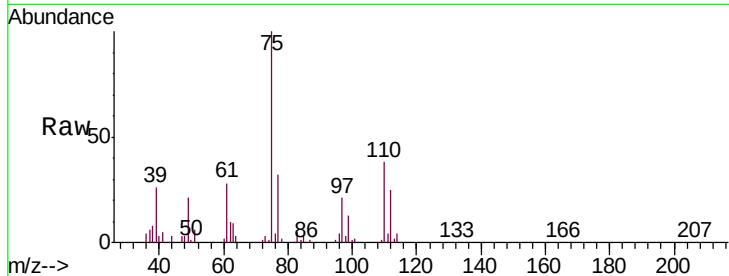
VSTD00524

Tgt Ion: 75 Resp: 79691

Ion Ratio Lower Upper

75 100

77 33.1 26.2 39.2



#61

Bromoform

Concen: 4.321 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

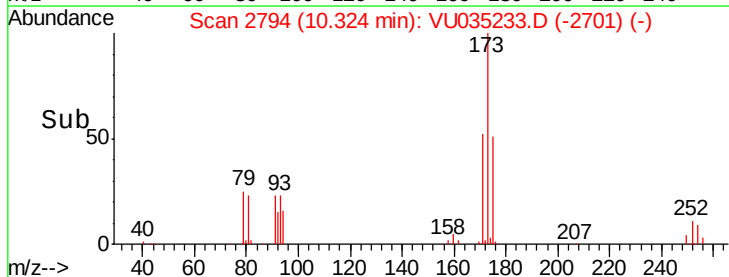
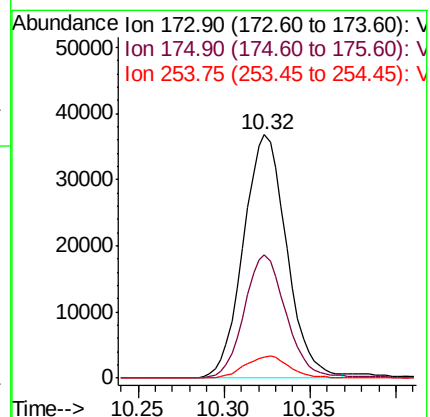
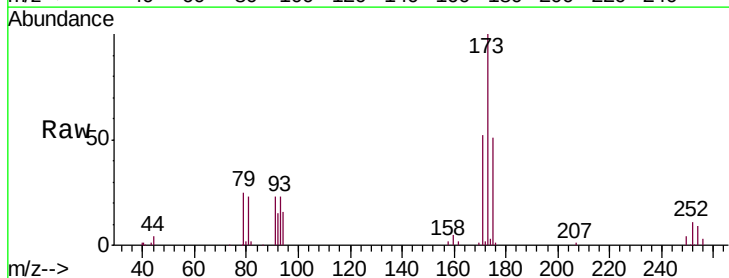
Tgt Ion: 173 Resp: 64401

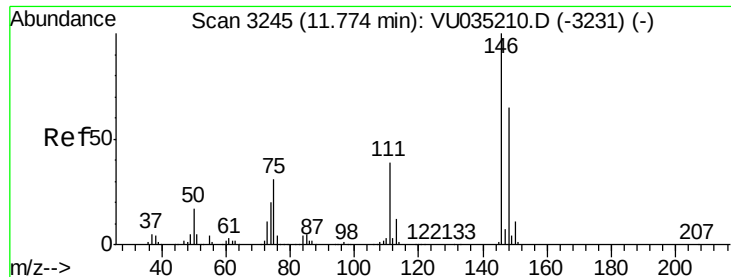
Ion Ratio Lower Upper

173 100

175 49.3 38.8 58.2

254 9.2 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.657 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

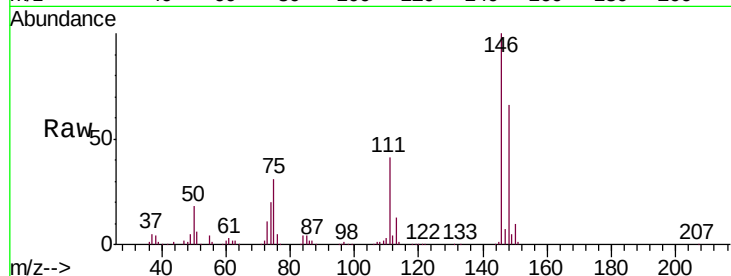
Tgt Ion:146 Resp: 255706

Ion Ratio Lower Upper

146 100

111 40.5 27.8 51.6

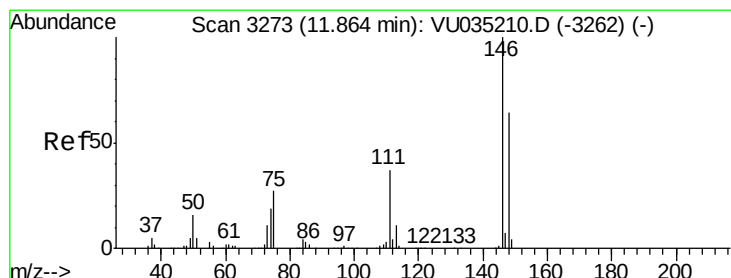
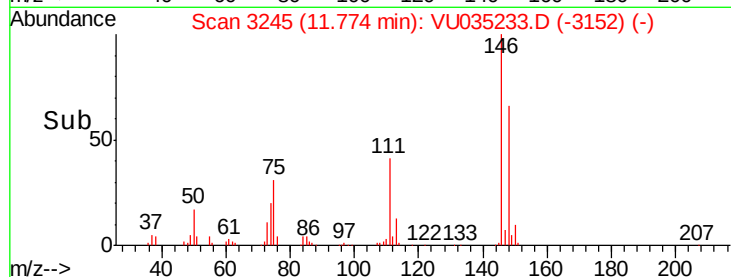
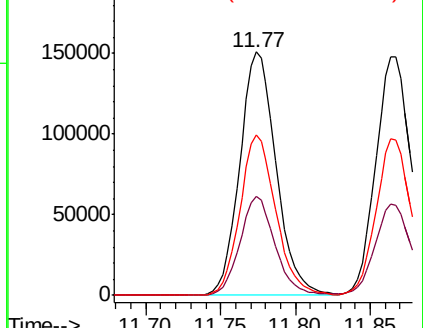
148 65.8 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.684 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

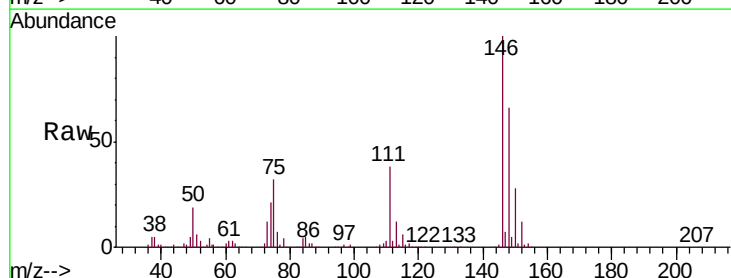
Tgt Ion:146 Resp: 252880

Ion Ratio Lower Upper

146 100

111 38.0 26.4 49.0

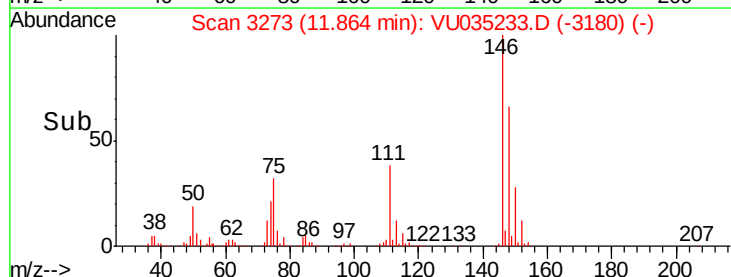
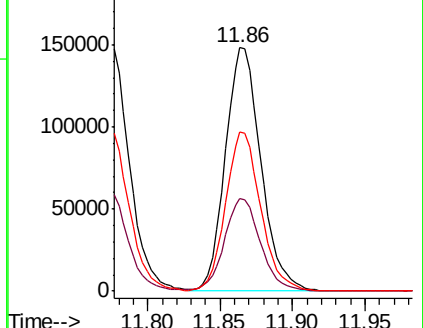
148 65.5 44.7 83.1

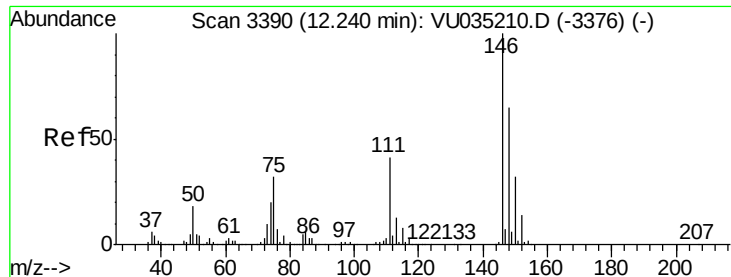


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

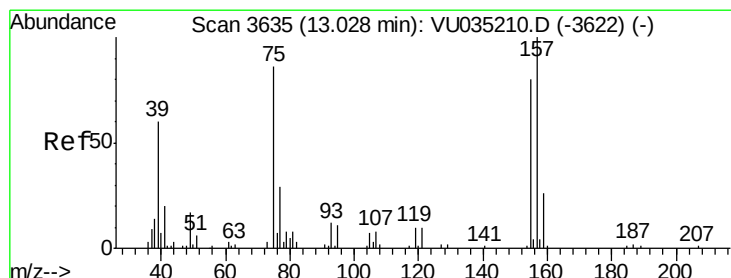
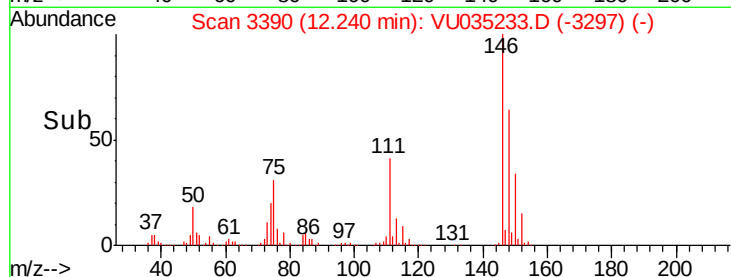
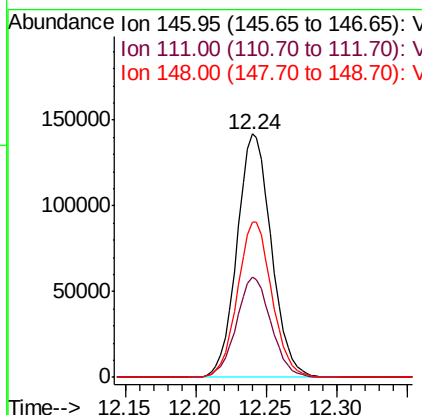
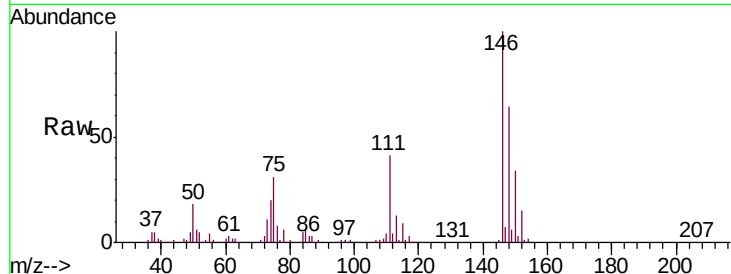




#65
 1,2-Dichlorobenzene
 Concen: 4.691 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

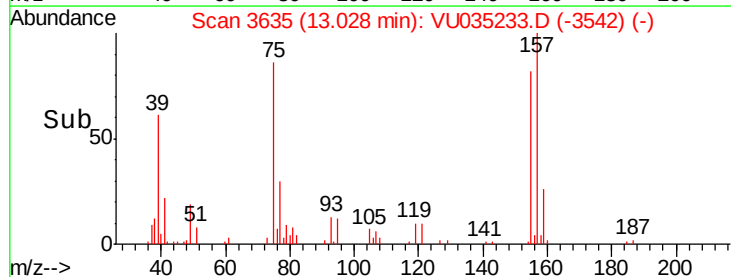
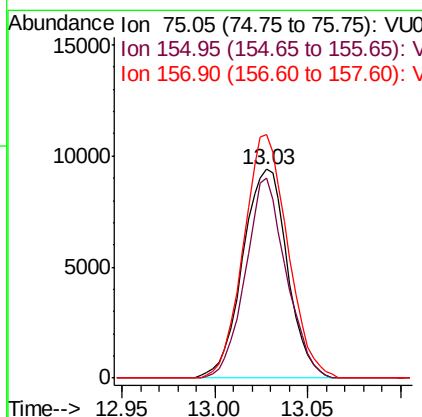
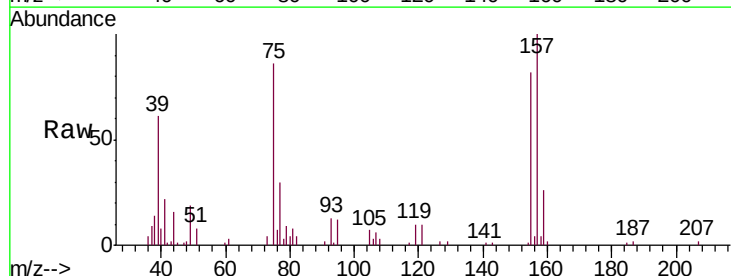
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

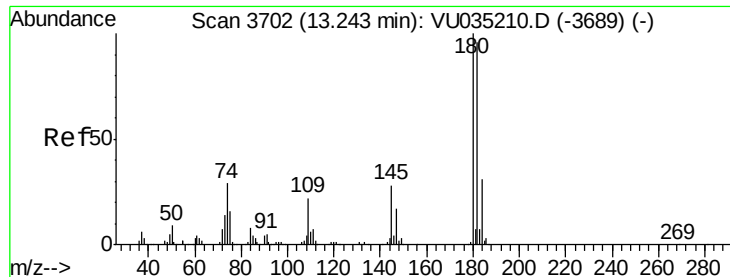
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	33.0	49.6
148	63.7	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.344 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	70.0	105.0
157	116.7	94.7	142.1

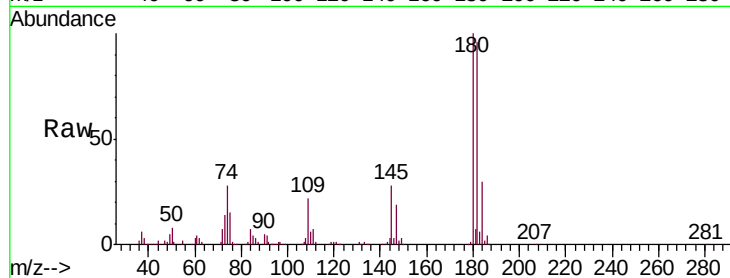




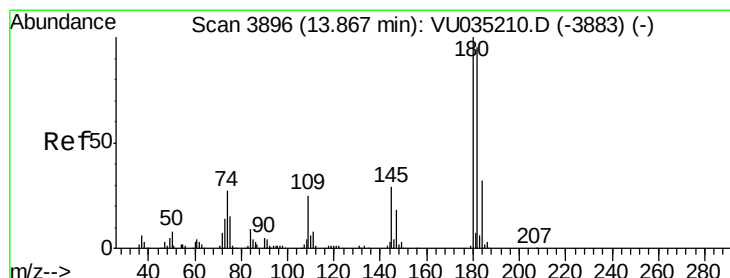
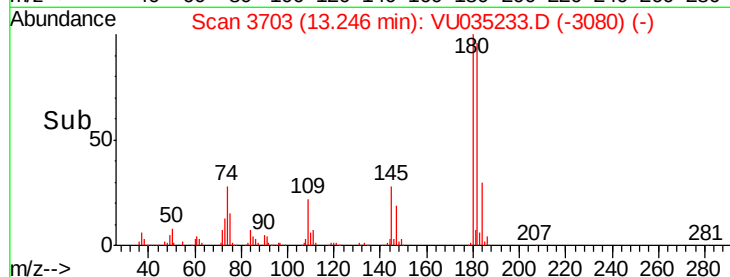
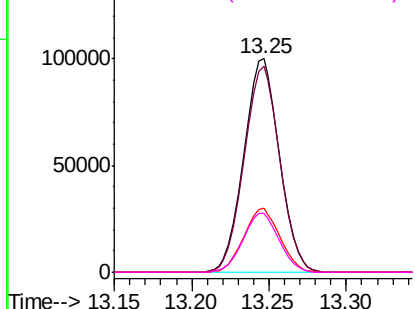
#67
 1,3,5-Trichlorobenzene
 Concen: 4.711 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tgt Ion:	180	Resp:	160277
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.4	116.2
184	30.2	23.9	35.9
145	28.0	22.4	33.6

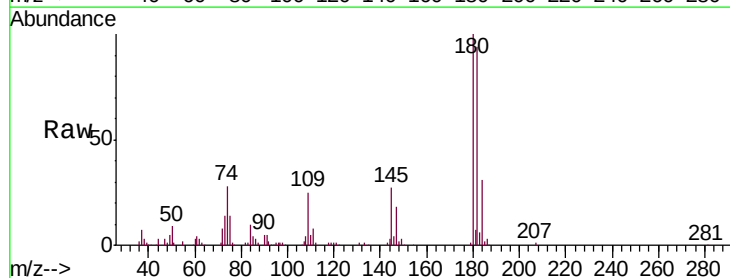


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

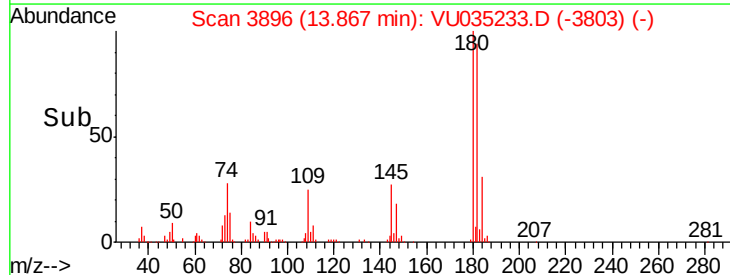
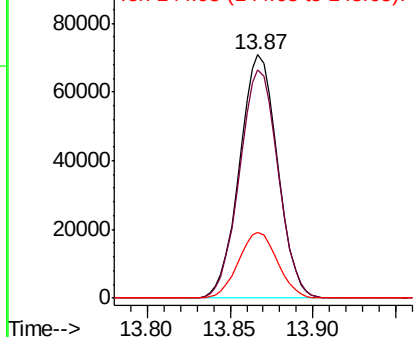


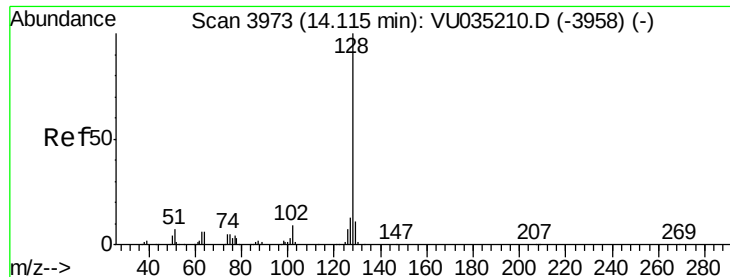
#68
 1,2,4-trichlorobenzene
 Concen: 4.982 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035233.D
 Acq: 18 Oct 2019 00:35

Tgt Ion:	180	Resp:	112855
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.9	113.9
145	27.7	23.4	35.2



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: 5.083 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

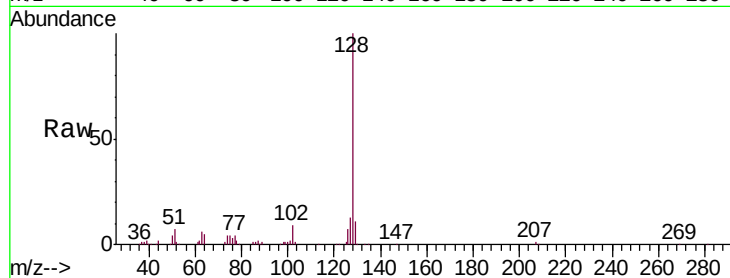
Tgt Ion:128 Resp: 158051

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

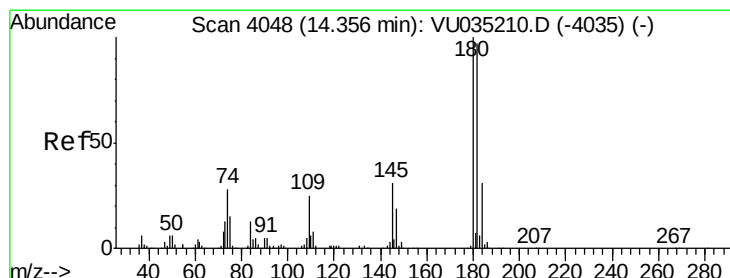
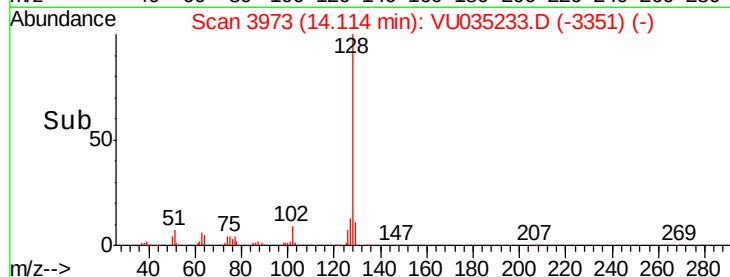
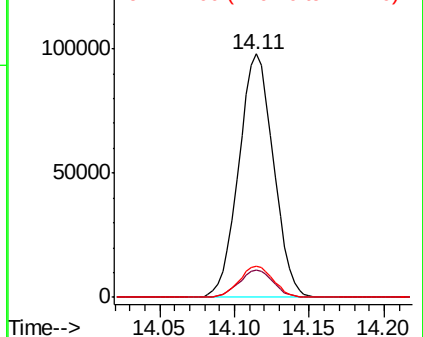
127 12.7 10.7 16.1



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: 5.194 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035233.D

Acq: 18 Oct 2019 00:35

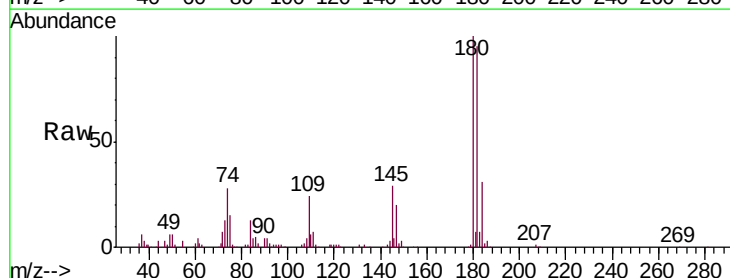
Tgt Ion:180 Resp: 110020

Ion Ratio Lower Upper

180 100

182 94.3 76.0 114.0

145 29.3 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

