

Data File : VU035701.D
Acq On : 13 Nov 2019 08:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Nov 14 07:26:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 16:45:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	646361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	631980	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	292597	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	213788	40.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.90%
7) Chloroethane-d5	1.93	69	190509	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.38%
11) 1,1-Dichloroethene-d2	2.60	63	367920	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
21) 2-Butanone-d5	4.69	46	318649	104.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.49%
24) Chloroform-d	5.11	84	403753	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.16%
26) 1,2-Dichloroethane-d4	5.75	65	238699	48.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.66%
32) Benzene-d6	5.77	84	810297	49.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.38%
36) 1,2-Dichloropropane-d6	6.73	67	262053	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.10%
41) Toluene-d8	7.93	98	757963	48.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.56%
43) trans-1,3-Dichloropropene-	8.21	79	123716	50.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.54%
47) 2-Hexanone-d5	8.67	63	229083	111.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.89%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	397612	52.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.68%
64) 1,2-Dichlorobenzene-d4	12.22	152	280359	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	254451	50.478 ug/L	100
3) Chloromethane	1.54	50	286380	52.129 ug/L	100
5) Vinyl chloride	1.62	62	300856	50.897 ug/L	100
6) Bromomethane	1.87	94	182090	60.818 ug/L	98
8) Chloroethane	1.95	64	178376	51.884 ug/L	98
9) Trichlorofluoromethane	2.16	101	373089	53.283 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	219831	54.687 ug/L	100
12) 1,1-Dichloroethene	2.61	96	212867	53.913 ug/L	95
13) Acetone	2.66	43	374563	139.609 ug/L	99
14) Carbon disulfide	2.83	76	634177	52.134 ug/L	99
15) Methyl Acetate	2.99	43	252877	52.038 ug/L	98
16) Methylene chloride	3.08	84	253370	52.592 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	222942	53.618 ug/L	99
18) Methyl tert-butyl Ether	3.42	73	677157	53.867 ug/L	99
19) 1,1-Dichloroethane	3.92	63	418592	52.189 ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	250793	53.476 ug/L	94
22) 2-Butanone	4.76	43	433440	122.383 ug/L	94

Data File : VU035701.D
Acq On : 13 Nov 2019 08:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Nov 14 07:26:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 16:45:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	137254	55.384	ug/L	96
25) Chloroform	5.14	83	427487	52.479	ug/L	99
27) 1,2-Dichloroethane	5.84	62	306719	51.539	ug/L	99
29) Cyclohexane	5.43	56	356992	55.381	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	354441	53.360	ug/L	99
31) Carbon tetrachloride	5.57	117	320967	54.344	ug/L	98
33) Benzene	5.82	78	955038	53.770	ug/L	100
34) Trichloroethene	6.58	95	240178	53.191	ug/L	98
35) Methylcyclohexane	6.80	83	360319	54.944	ug/L	99
37) 1,2-Dichloropropane	6.83	63	251709	52.921	ug/L	99
38) Bromodichloromethane	7.14	83	316798	52.400	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	387241	54.774	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	635723	99.907	ug/L	96
42) Toluene	8.00	91	1049606	56.384	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	354080	54.638	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	245389	53.825	ug/L	98
46) Tetrachloroethene	8.58	164	210124	55.653	ug/L	98
48) 2-Hexanone	8.73	43	508137	98.199	ug/L	98
49) Dibromochloromethane	8.84	129	279091	54.285	ug/L	100
50) 1,2-Dibromoethane	8.96	107	263634	54.200	ug/L	98
51) Chlorobenzene	9.48	112	679545	54.681	ug/L	99
52) Ethylbenzene	9.60	91	1115691	56.062	ug/L	98
53) m,p-Xylene	9.72	106	436858	58.501	ug/L	96
54) o-xylene	10.13	106	427090	58.516	ug/L	97
55) Styrene	10.14	104	705446	58.239	ug/L	98
56) Isopropylbenzene	10.51	105	1068858	58.276	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	415592	52.924	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	326505	52.647	ug/L	99
61) Bromoform	10.32	173	224193	50.224	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	488254	52.896	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	478412	51.020	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	480988	51.184	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	64363	44.175	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	270304	50.688	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	131390	36.781	ug/L	99
69) Naphthalene	14.11	128	275043	30.018	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	135243	35.138	ug/L	99

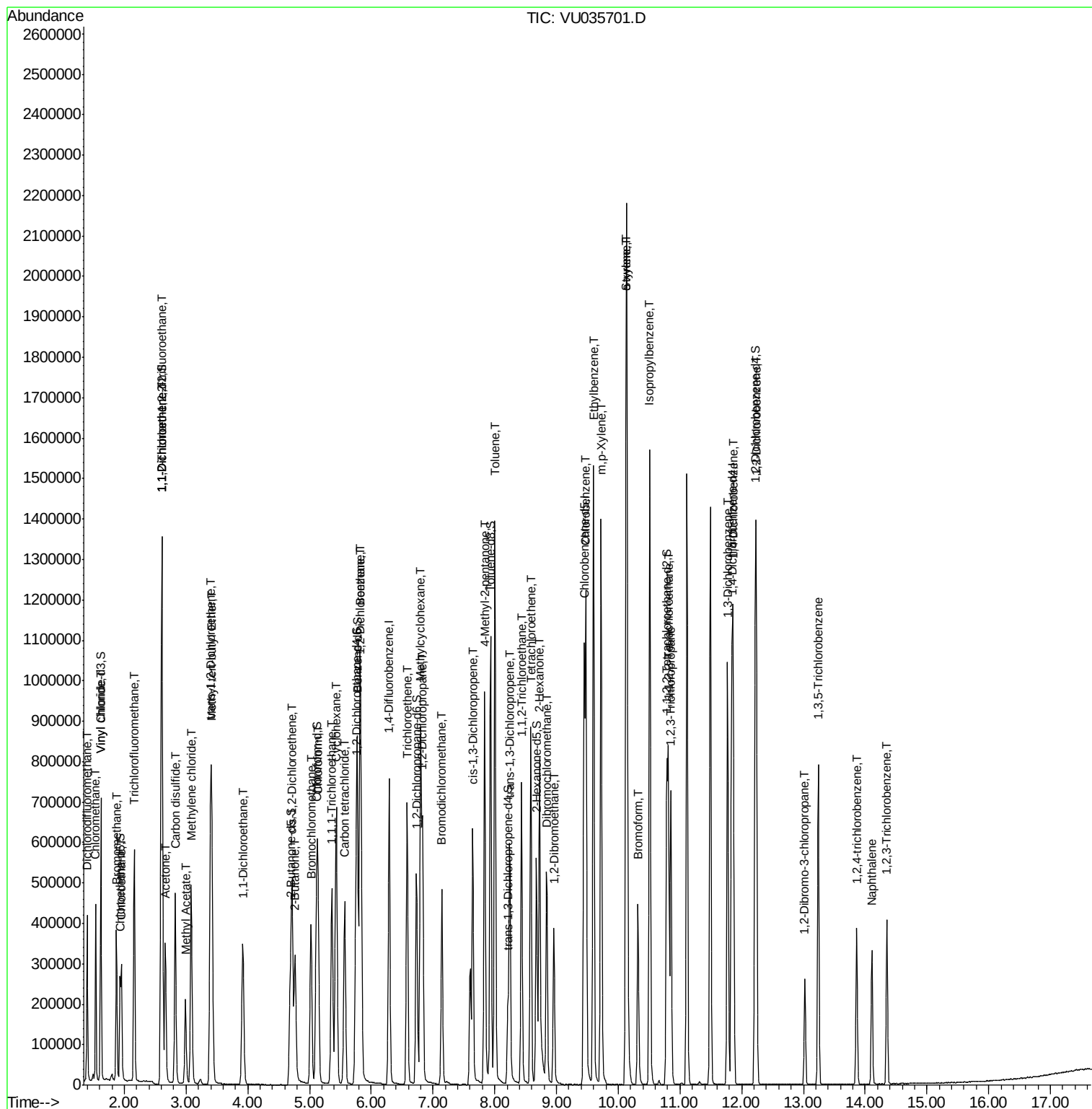
(#) = qualifier out of range (m) = manual integration (+) = signals summed

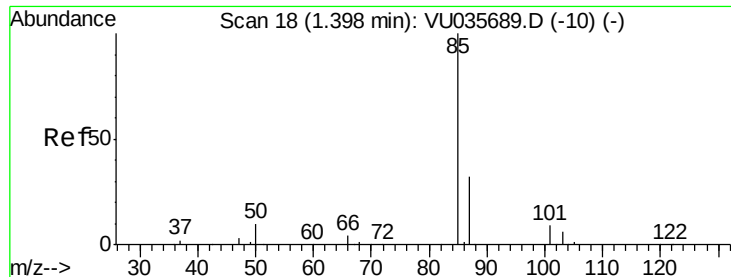
Data File : VU035701.D

```
Acq On       : 13 Nov 2019   08:43
Operator    : JC/SP
Sample      : VSTDCCC050
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Nov 14 07:26:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 16:45:02 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 50.478 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampled :

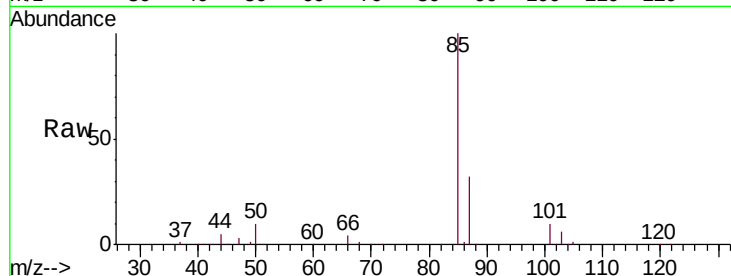
VSTD05045

Tgt Ion: 85 Resp: 254451

Ion Ratio Lower Upper

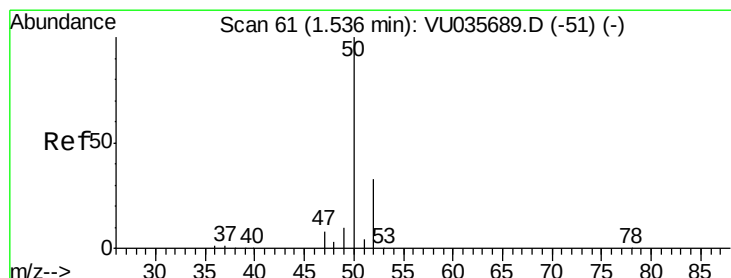
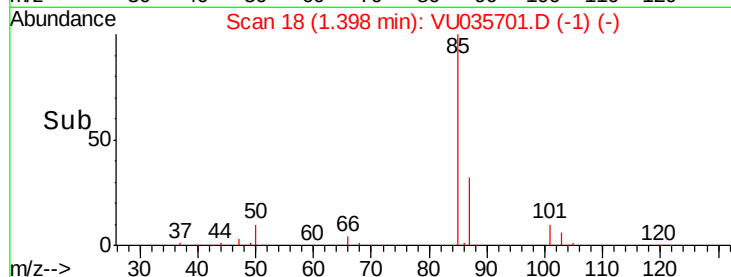
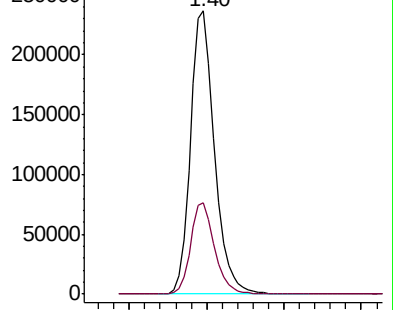
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU035689.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035689.D (-10) (-)



#3

Chloromethane

Concen: 52.129 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035701.D

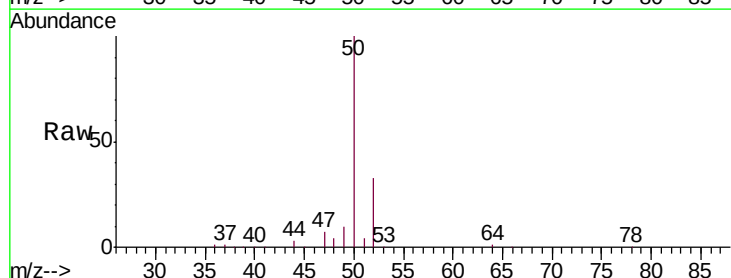
Acq: 13 Nov 2019 08:43

Tgt Ion: 50 Resp: 286380

Ion Ratio Lower Upper

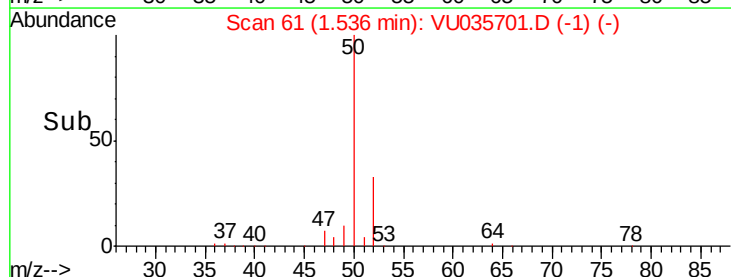
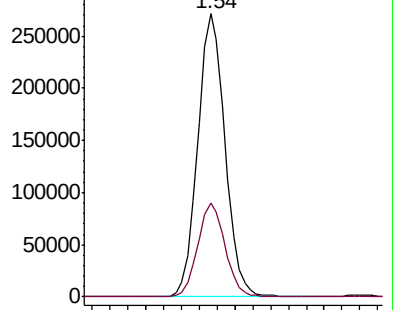
50 100

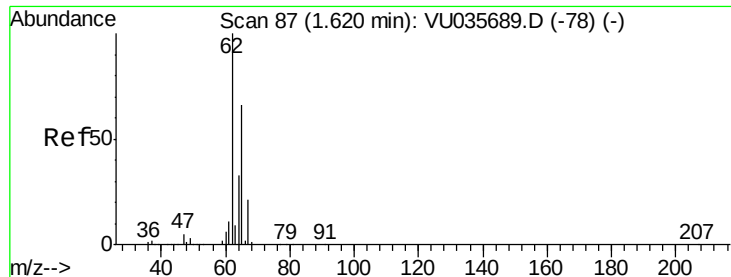
52 33.1 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU035689.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035689.D (-51) (-)





#5

Vinyl chloride

Concen: 50.897 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

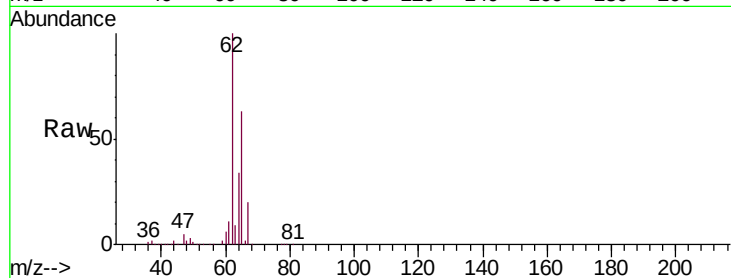
VSTD05045

Tgt Ion: 62 Resp: 300856

Ion Ratio Lower Upper

62 100

64 33.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035689.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035689.D (-78) (-)

1.62

250000

200000

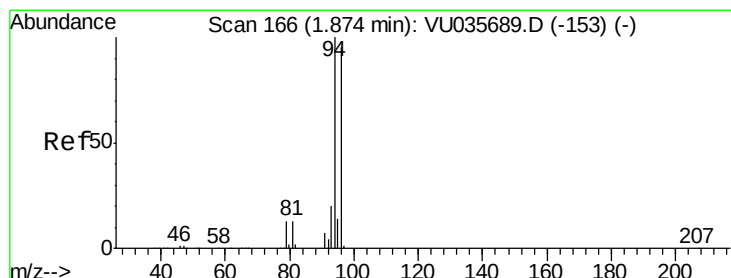
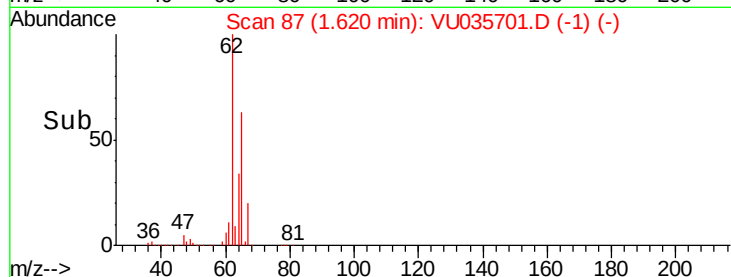
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 60.818 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035701.D

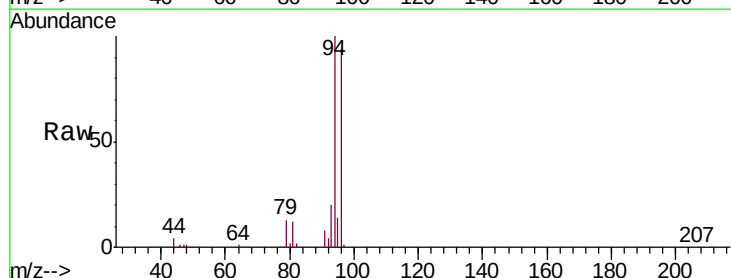
Acq: 13 Nov 2019 08:43

Tgt Ion: 94 Resp: 182090

Ion Ratio Lower Upper

94 100

96 94.3 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035689.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU035689.D (-153) (-)

1.87

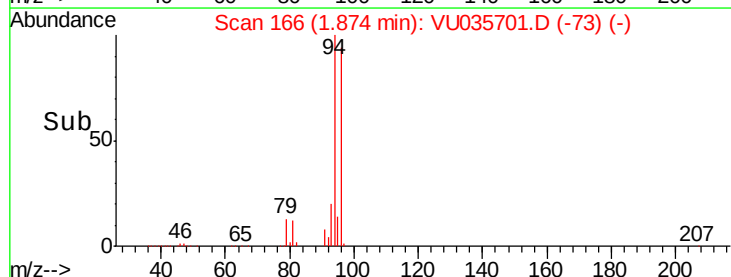
150000

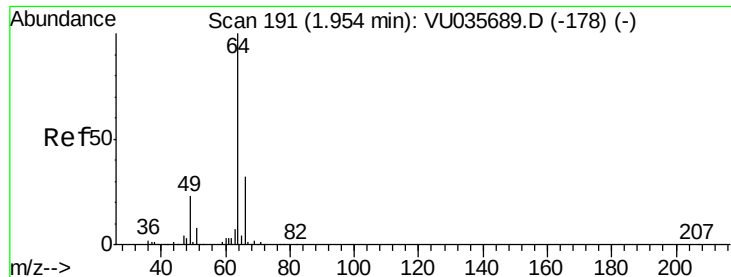
100000

50000

0

Time-->





#8

Chloroethane

Concen: 51.884 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

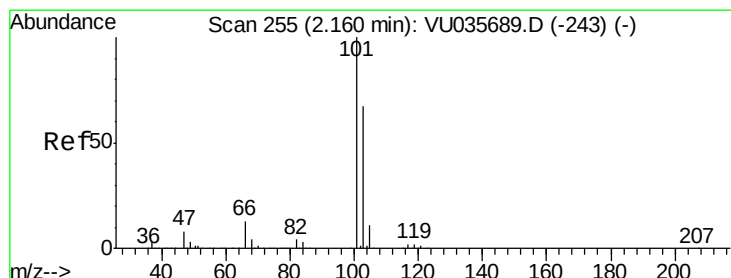
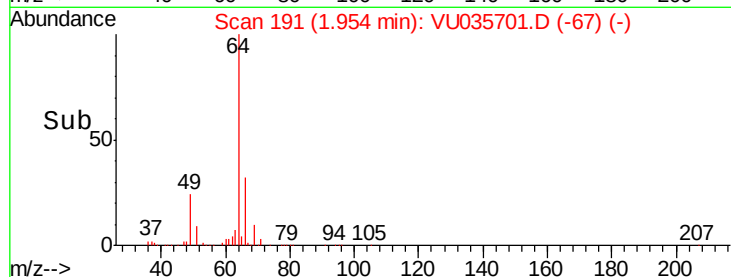
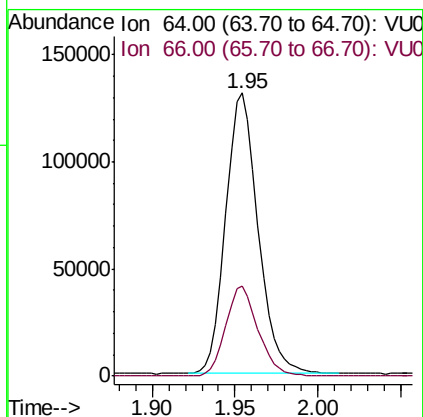
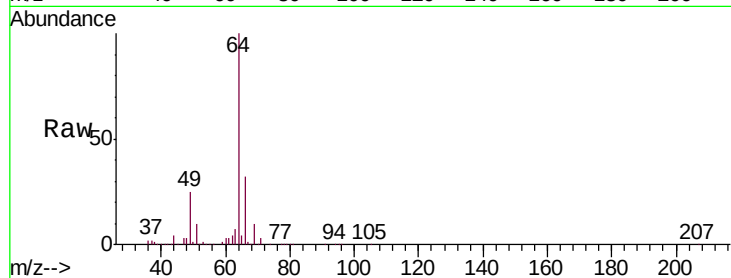
VSTD05045

Tgt Ion: 64 Resp: 178376

Ion Ratio Lower Upper

64 100

66 31.7 22.8 42.4



#9

Trichlorofluoromethane

Concen: 53.283 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035701.D

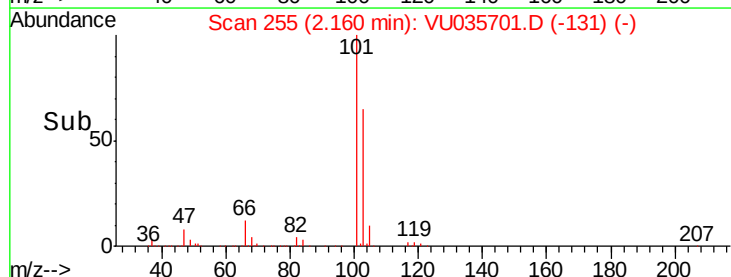
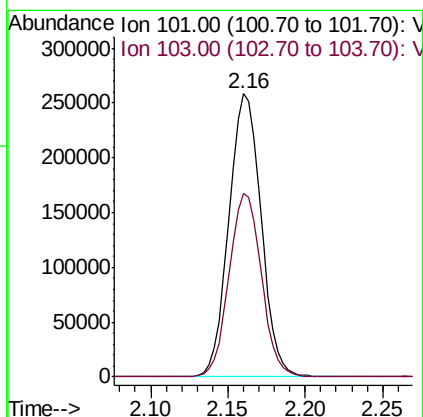
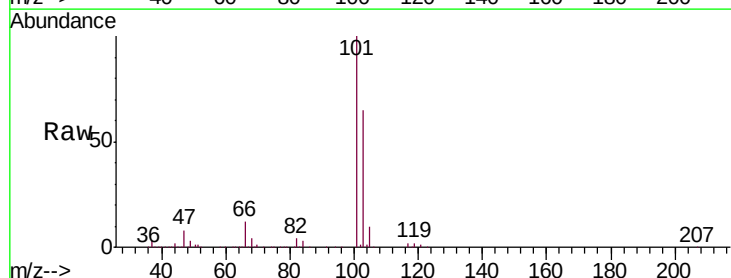
Acq: 13 Nov 2019 08:43

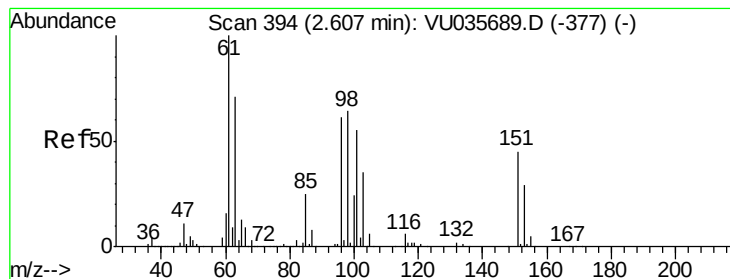
Tgt Ion: 101 Resp: 373089

Ion Ratio Lower Upper

101 100

103 65.0 51.8 77.6





#10

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

Concen: 54.687 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

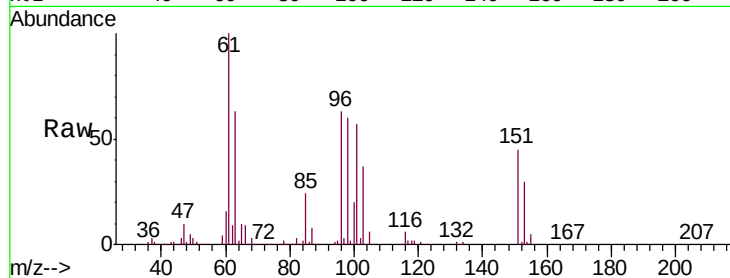
Tgt Ion: 101 Resp: 219831

Ion Ratio Lower Upper

101 100

85 42.0 34.0 51.0

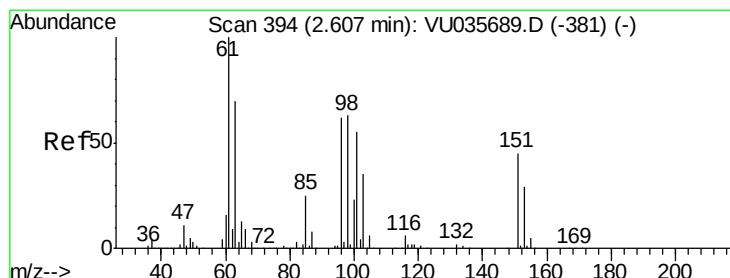
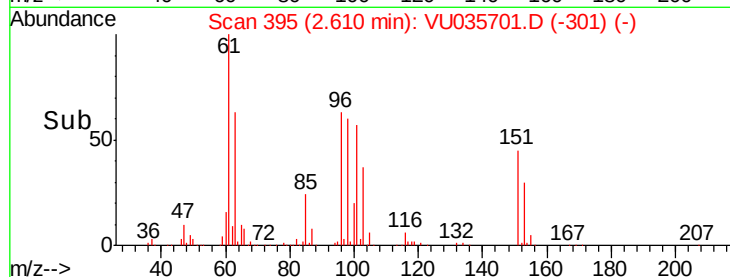
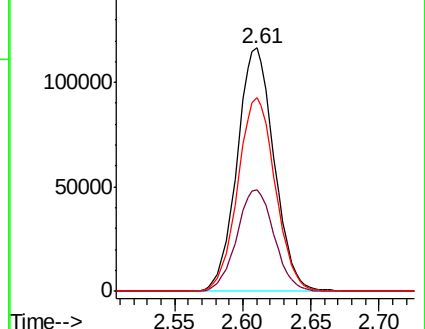
151 80.5 64.2 96.4



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: 53.913 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

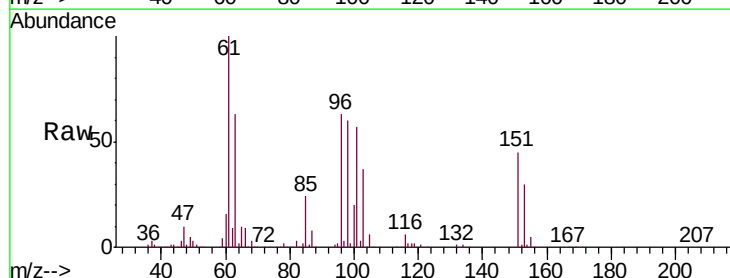
Tgt Ion: 96 Resp: 212867

Ion Ratio Lower Upper

96 100

61 158.9 113.1 210.1

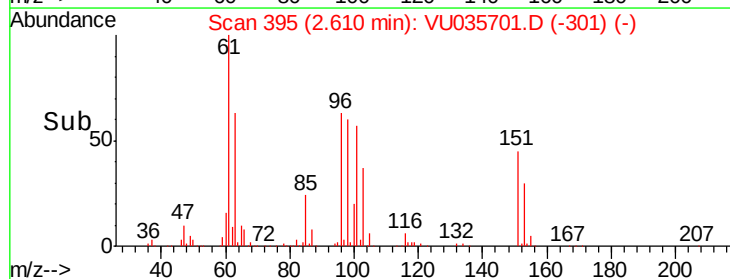
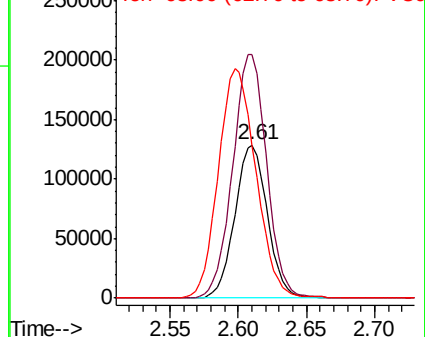
63 99.6 76.2 141.4

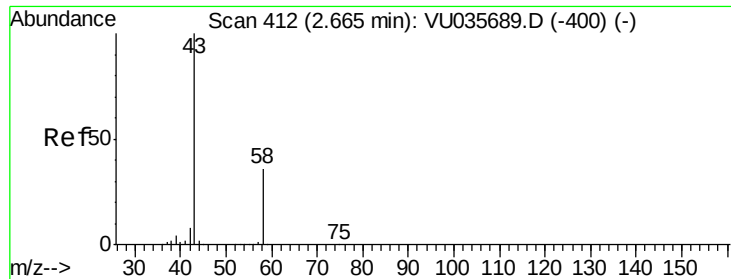


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 139.609 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

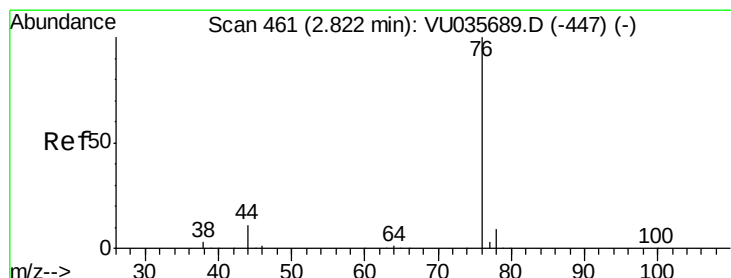
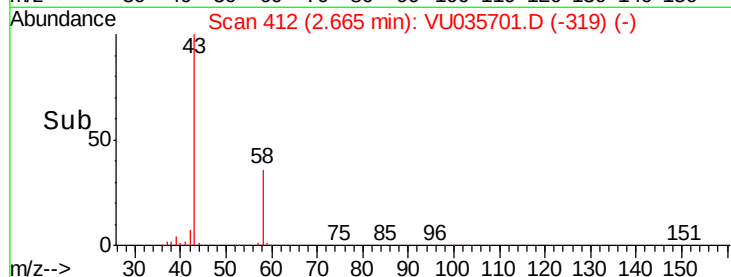
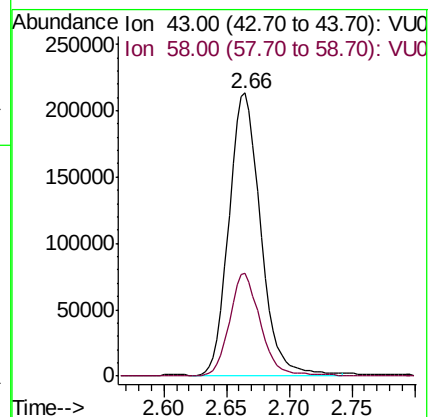
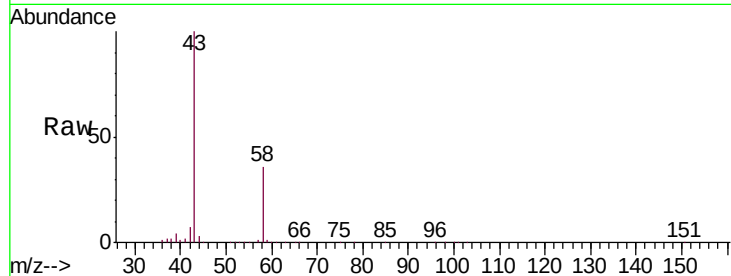
VSTD05045

Tgt Ion: 43 Resp: 374563

Ion Ratio Lower Upper

43 100

58 35.5 0.0 70.0



#14

Carbon disulfide

Concen: 52.134 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035701.D

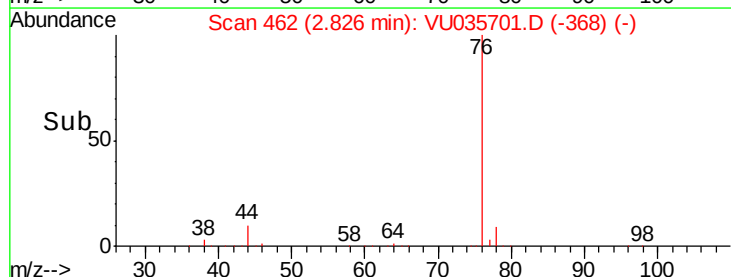
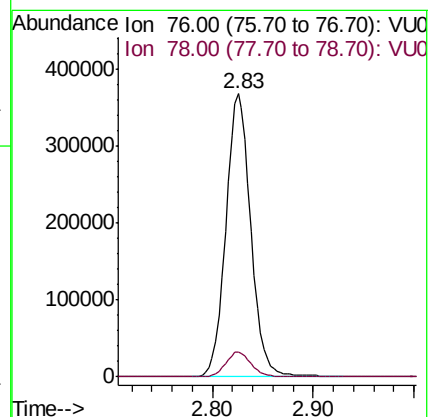
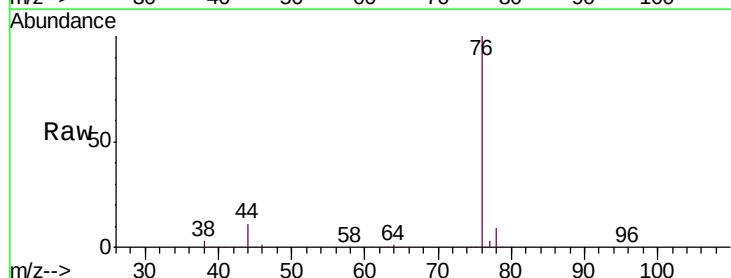
Acq: 13 Nov 2019 08:43

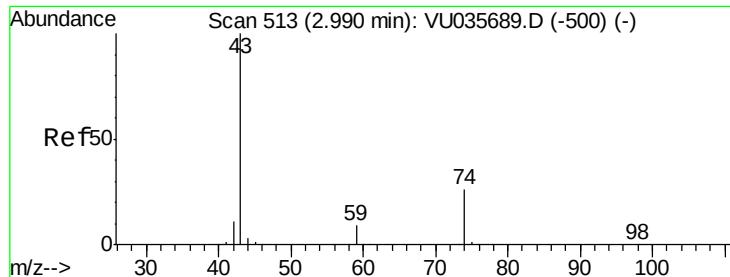
Tgt Ion: 76 Resp: 634177

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

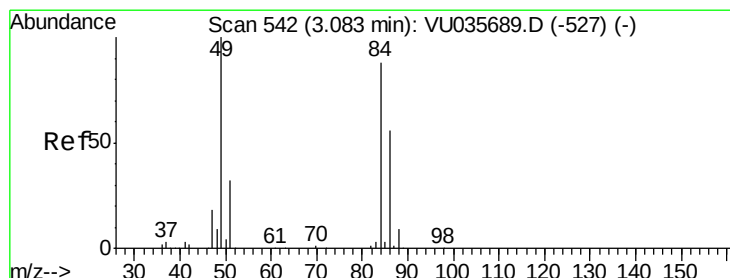
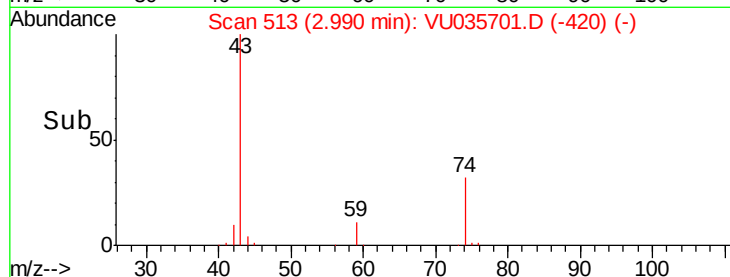
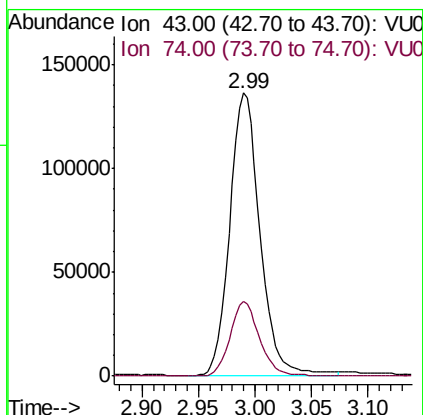
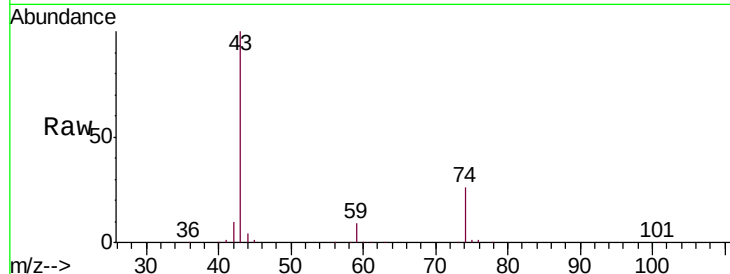




#15
Methyl Acetate
Concen: 52.038 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

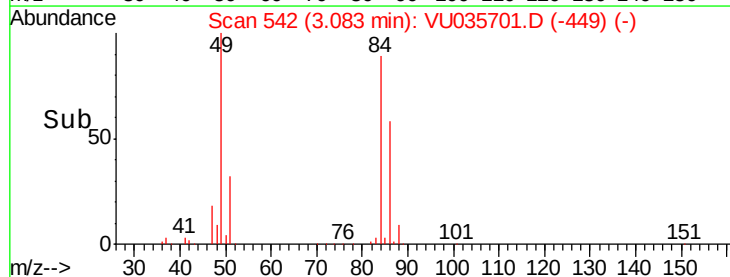
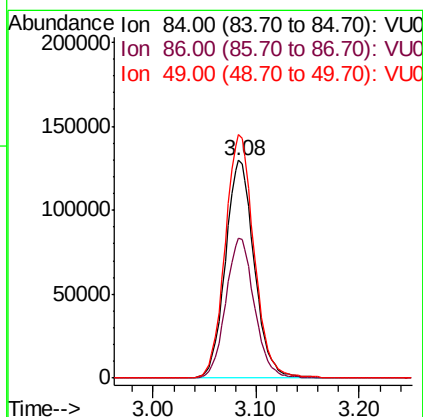
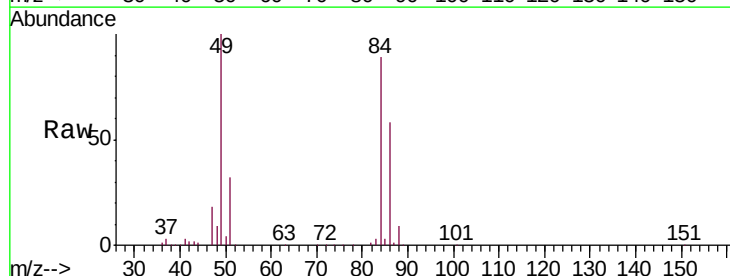
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

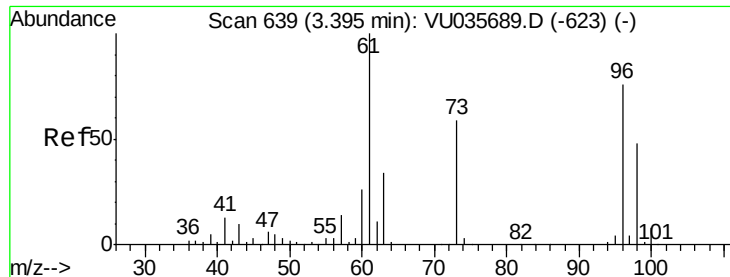
Tgt Ion: 43 Resp: 252877
Ion Ratio Lower Upper
43 100
74 25.9 19.8 29.6



#16
Methylene chloride
Concen: 52.592 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion: 84 Resp: 253370
Ion Ratio Lower Upper
84 100
86 64.4 45.1 83.7
49 111.8 82.7 153.5

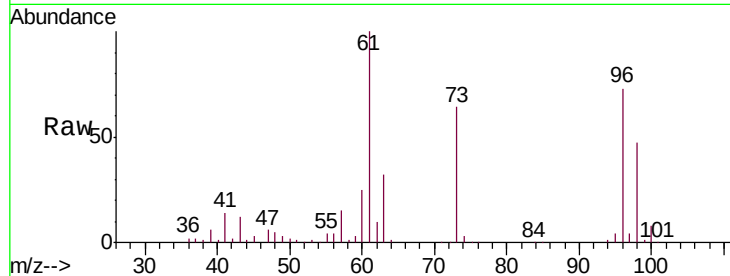




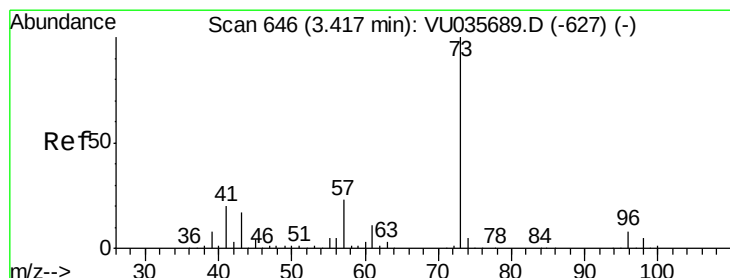
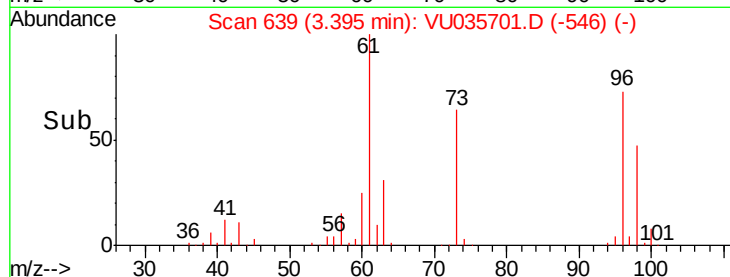
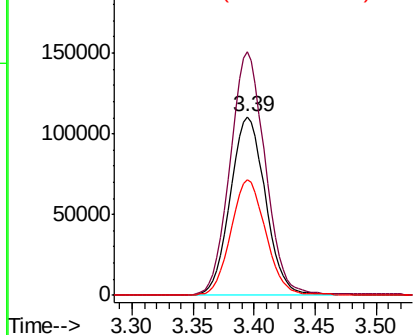
#17
trans-1,2-Dichloroethene
Concen: 53.618 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion: 96 Resp: 222942
Ion Ratio Lower Upper
96 100
61 136.3 95.3 176.9
98 64.7 44.0 81.8

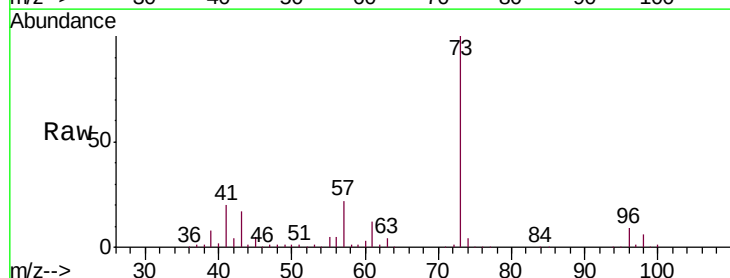


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

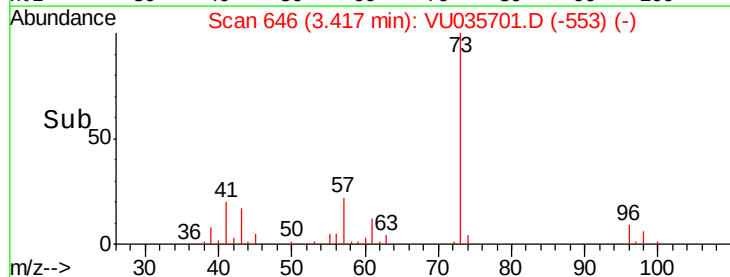
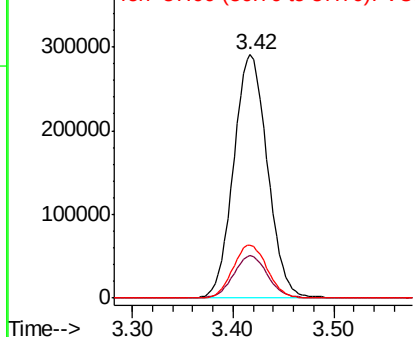


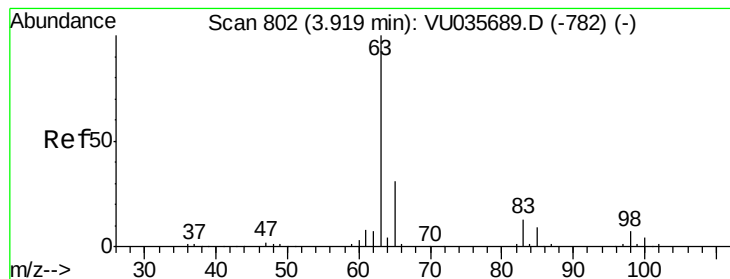
#18
Methyl tert-butyl Ether
Concen: 53.867 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion: 73 Resp: 677157
Ion Ratio Lower Upper
73 100
43 17.3 14.2 21.2
57 22.0 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 52.189 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

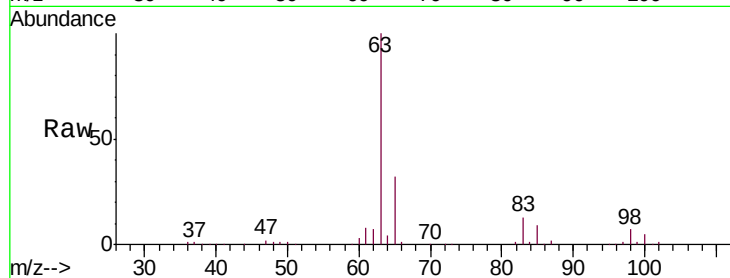
Tgt Ion: 63 Resp: 418592

Ion Ratio Lower Upper

63 100

65 31.5 22.1 41.1

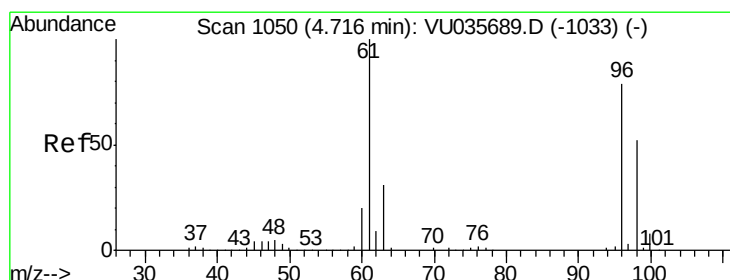
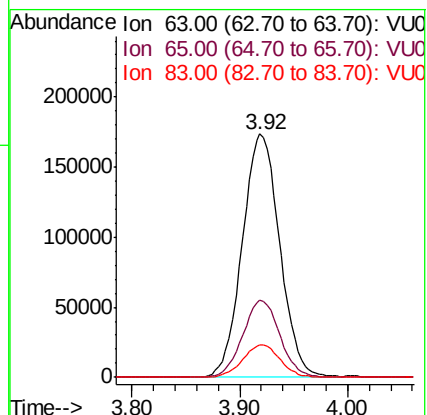
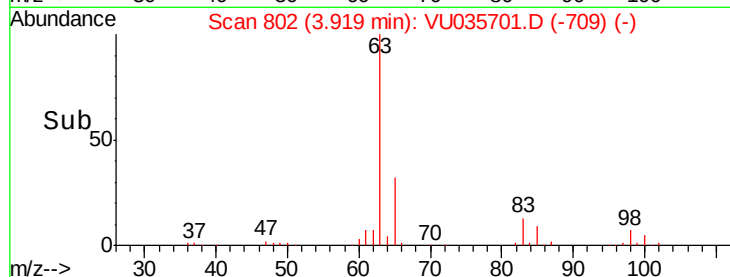
83 13.4 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VU035701.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU035701.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU035701.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 53.476 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

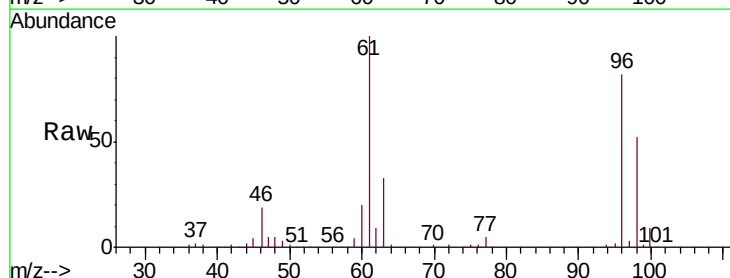
Tgt Ion: 96 Resp: 250793

Ion Ratio Lower Upper

96 100

61 122.1 90.6 168.3

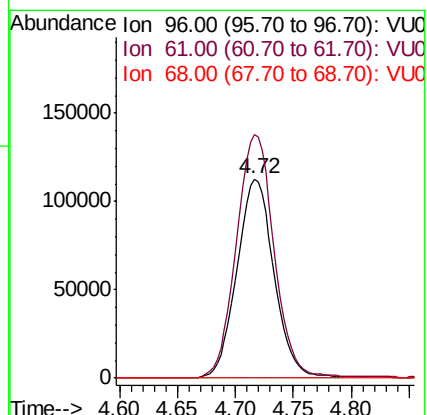
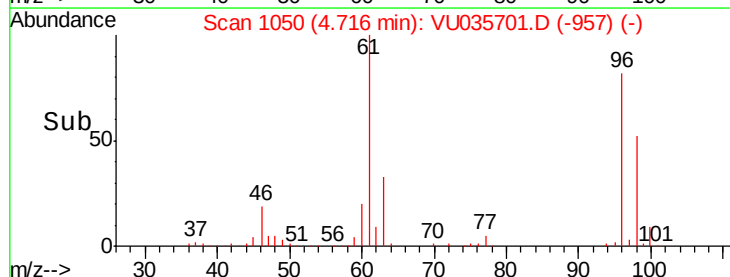
68 0.0 0.0 0.0

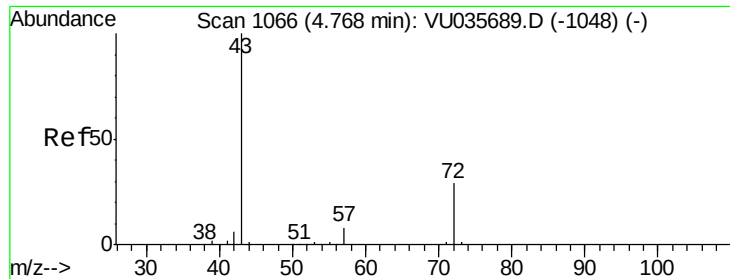


Abundance Ion 96.00 (95.70 to 96.70): VU035701.D (-957) (-)

Ion 61.00 (60.70 to 61.70): VU035701.D (-957) (-)

Ion 68.00 (67.70 to 68.70): VU035701.D (-957) (-)





#22

2-Butanone

Concen: 122.383 ug/L

RT: 4.76 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampled :

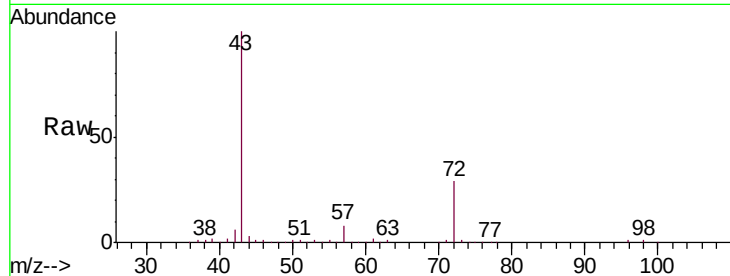
VSTD05045

Tgt Ion: 43 Resp: 433440

Ion Ratio Lower Upper

43 100

72 29.9 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VU035689.D (-1048) (-)

Ion 72.00 (71.70 to 72.70): VU035689.D (-1048) (-)

4.76

200000

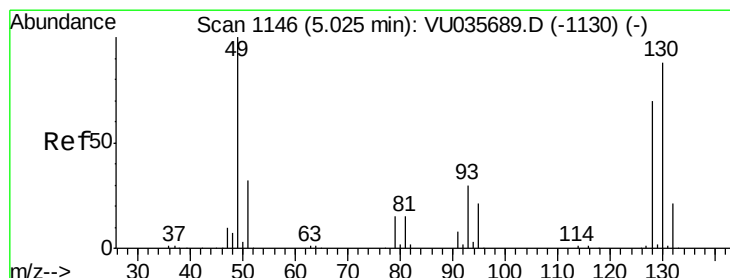
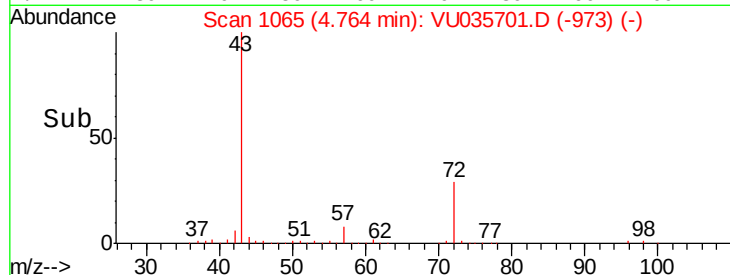
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 55.384 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Tgt Ion: 128 Resp: 137254

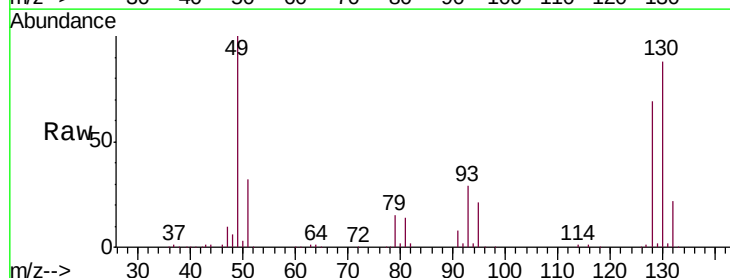
Ion Ratio Lower Upper

128 100

49 145.1 106.4 197.6

130 127.6 88.1 163.5

51 46.2 38.8 58.2



Abundance Ion 128.00 (127.70 to 128.70): VU035689.D (-1130) (-)

Ion 49.00 (48.70 to 49.70): VU035689.D (-1130) (-)

Ion 130.00 (129.70 to 130.70): VU035689.D (-1130) (-)

Ion 51.00 (50.70 to 51.70): VU035689.D (-1130) (-)

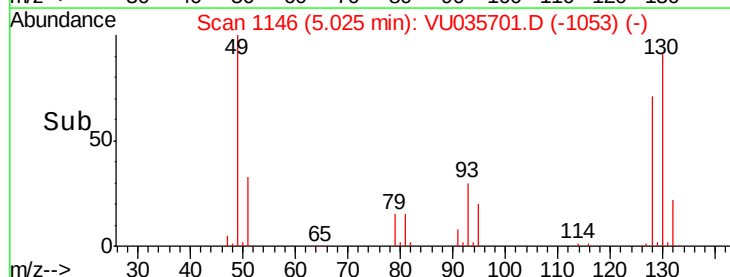
5.02

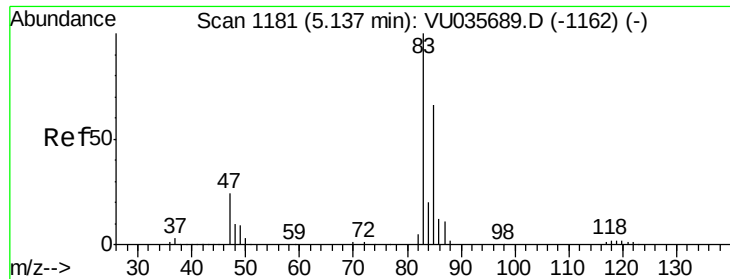
100000

50000

0

Time-->

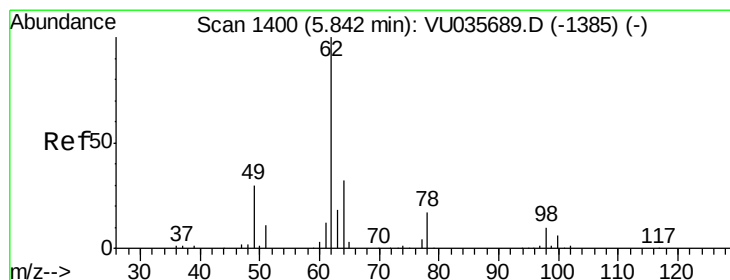
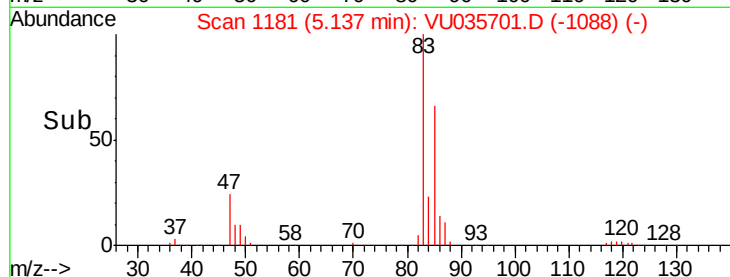
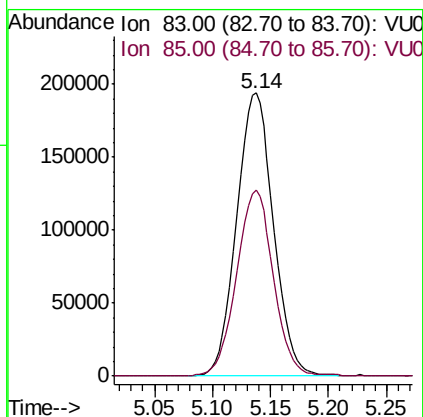
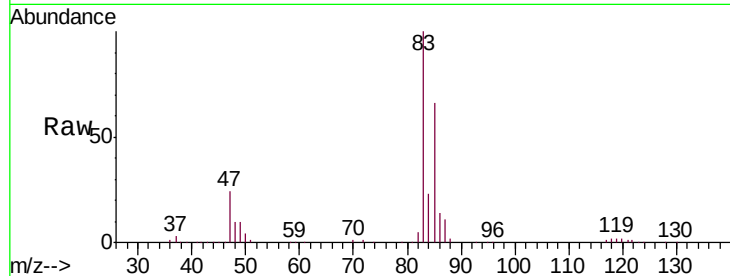




#25
Chloroform
Concen: 52.479 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

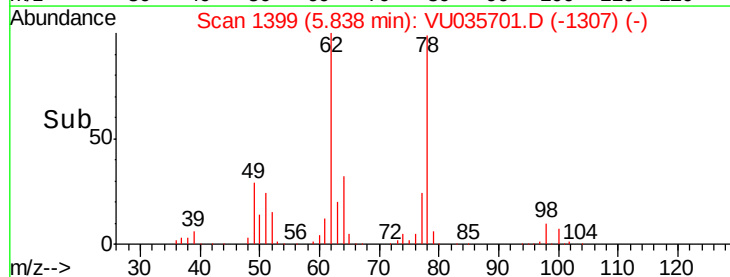
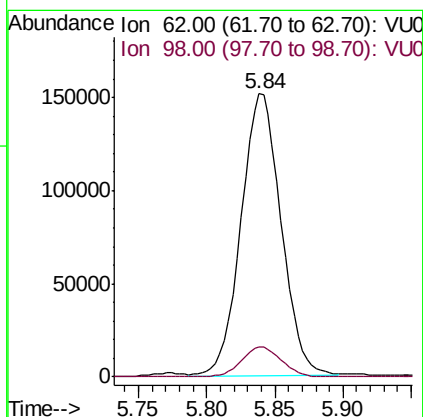
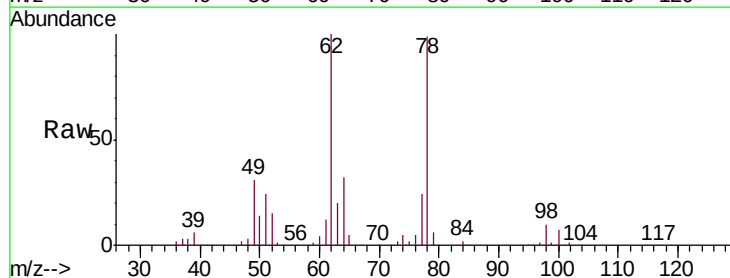
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

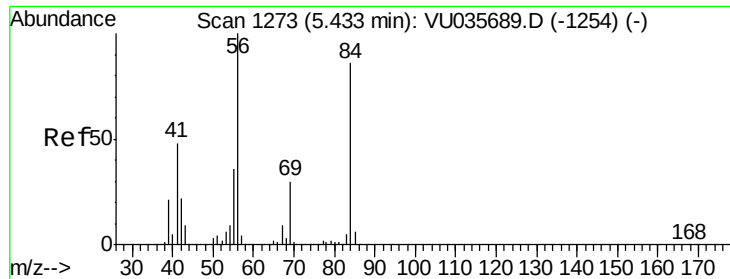
Tgt Ion: 83 Resp: 427487
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.4



#27
1,2-Dichloroethane
Concen: 51.539 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion: 62 Resp: 306719
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2

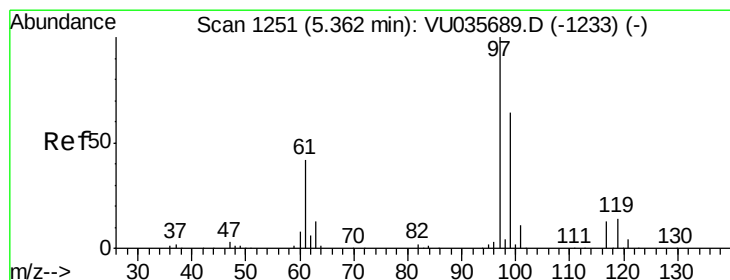
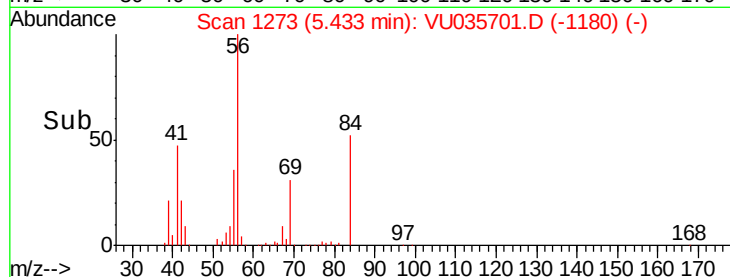
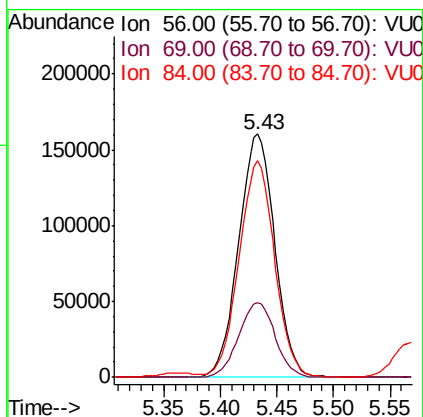
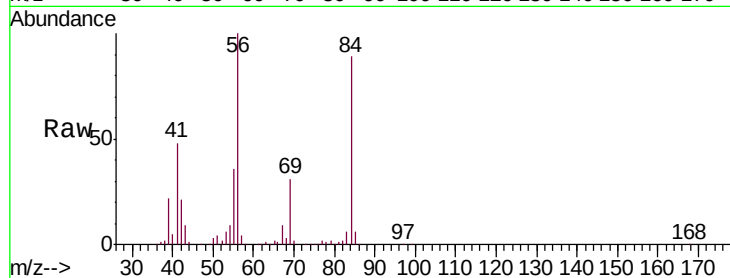




#29
Cyclohexane
Concen: 55.381 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

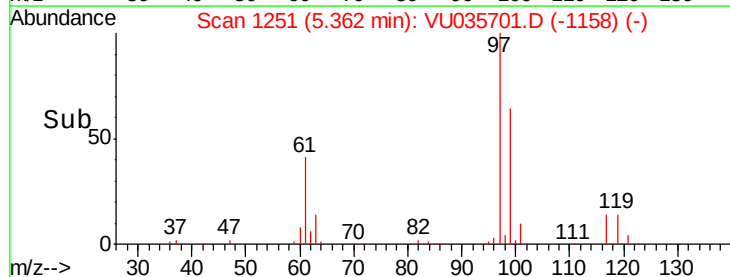
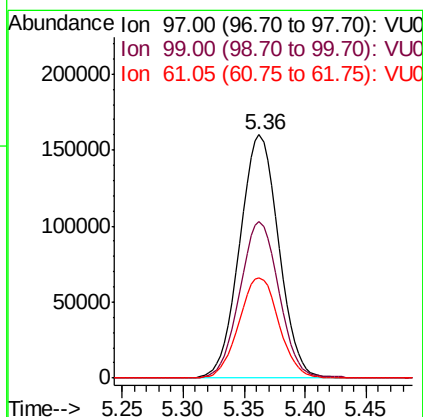
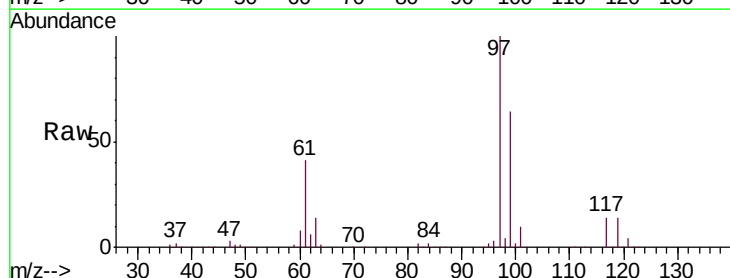
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

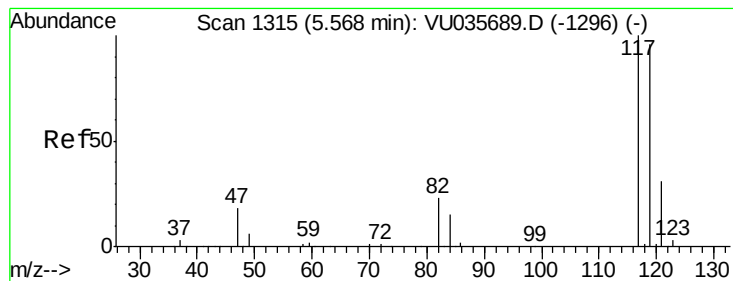
Tgt Ion: 56 Resp: 356992
Ion Ratio Lower Upper
56 100
69 31.1 24.4 36.6
84 87.2 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 53.360 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion: 97 Resp: 354441
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 42.2 35.1 52.7





#31

Carbon tetrachloride

Concen: 54.344 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

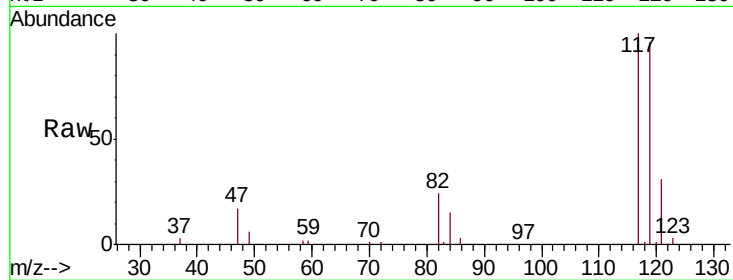
VSTD05045

Tgt Ion:117 Resp: 320967

Ion Ratio Lower Upper

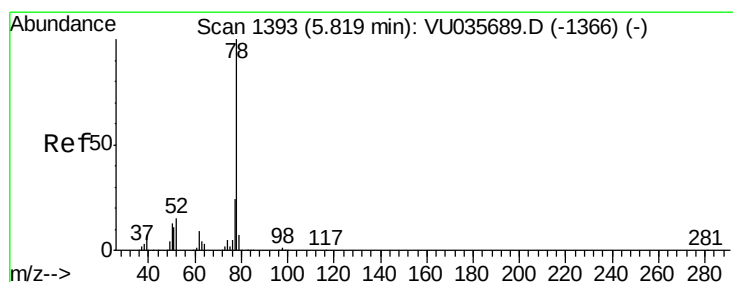
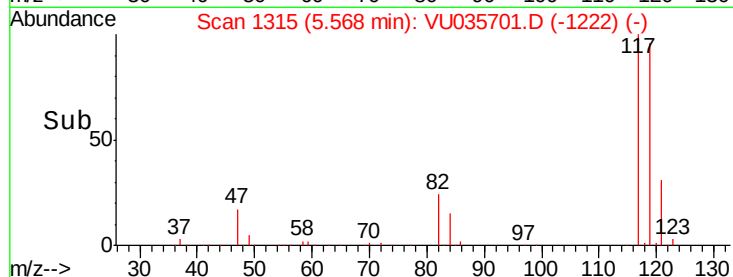
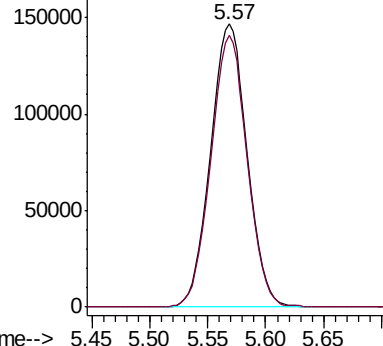
117 100

119 95.2 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.770 ug/L

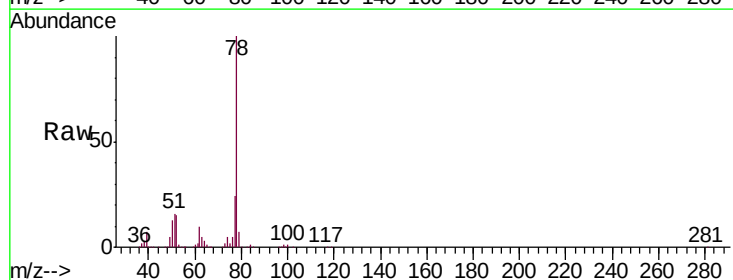
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

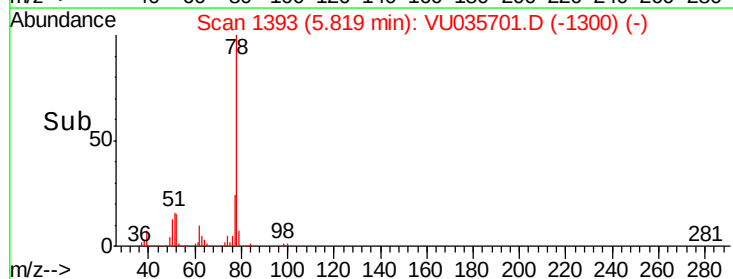
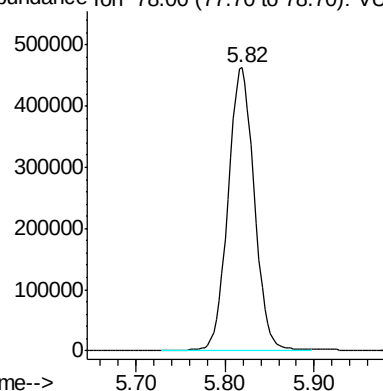
Lab File: VU035701.D

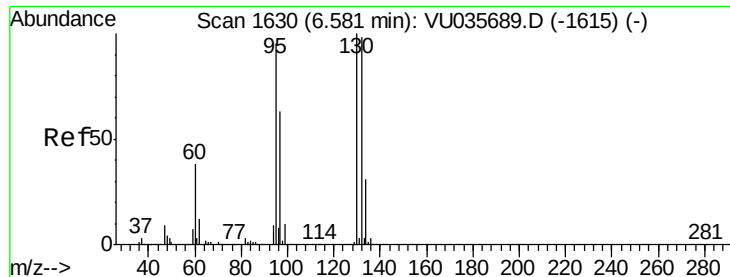
Acq: 13 Nov 2019 08:43

Tgt Ion: 78 Resp: 955038



Abundance Ion 78.00 (77.70 to 78.70): VU0

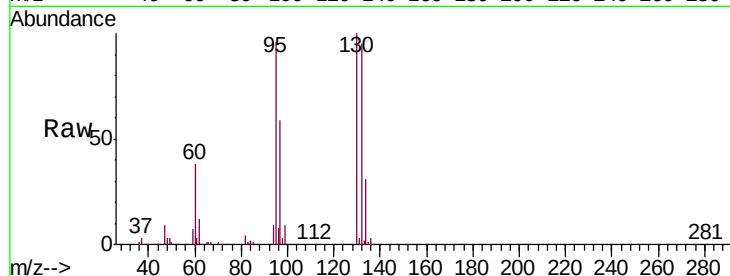




#34
 Trichloroethene
 Concen: 53.191 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	95	Resp:	240178
Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.6	84.6
132	98.8	69.9	129.7
130	104.0	73.1	135.7



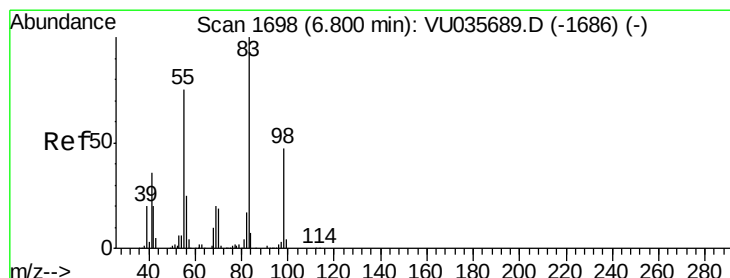
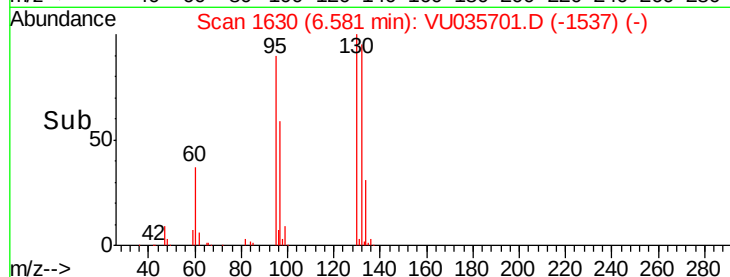
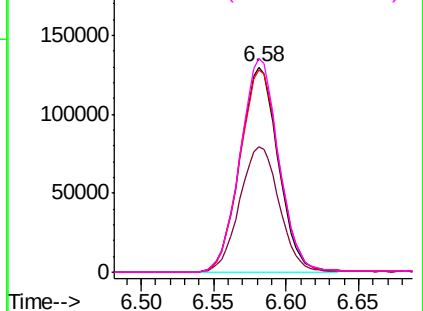
Abundance

Ion 95.00 (94.70 to 95.70): VU035689.D (-1615) (-)

Ion 97.00 (96.70 to 97.70): VU035689.D (-1615) (-)

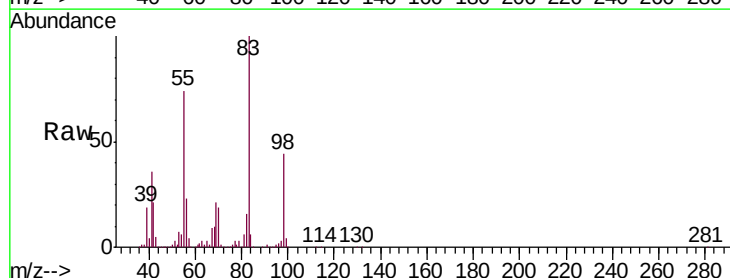
Ion 132.00 (131.70 to 132.70): VU035689.D (-1615) (-)

Ion 130.00 (129.70 to 130.70): VU035689.D (-1615) (-)



#35
 Methylcyclohexane
 Concen: 54.944 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion:	83	Resp:	360319
Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	46.3	36.6	54.8

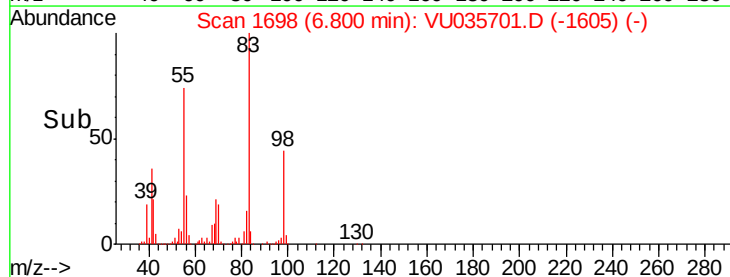
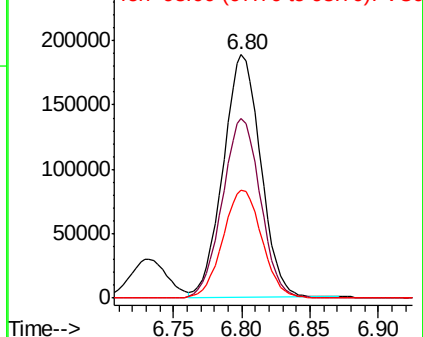


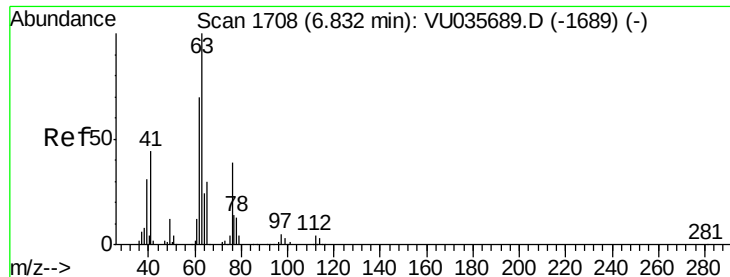
Abundance

Ion 83.00 (82.70 to 83.70): VU035689.D (-1686) (-)

Ion 55.00 (54.70 to 55.70): VU035689.D (-1686) (-)

Ion 98.00 (97.70 to 98.70): VU035689.D (-1686) (-)

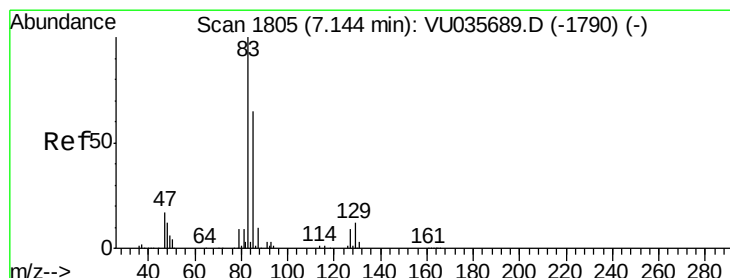
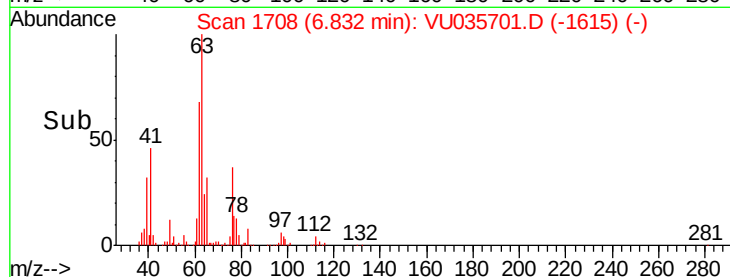
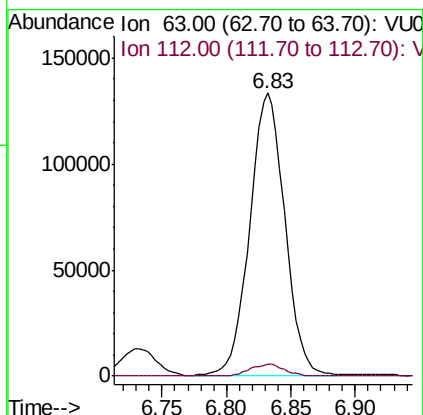
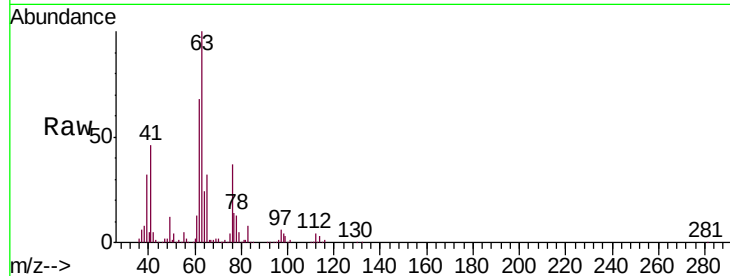




#37
 1,2-Dichloropropane
 Concen: 52.921 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

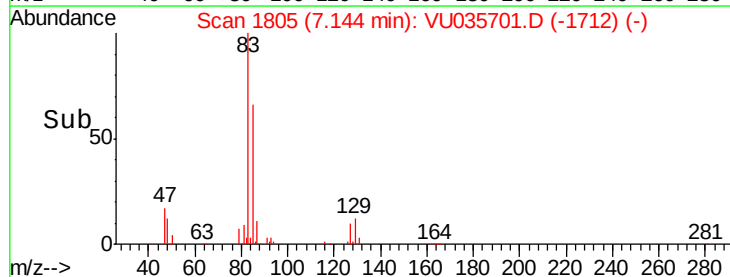
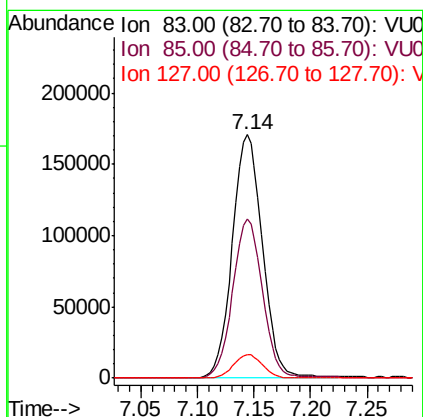
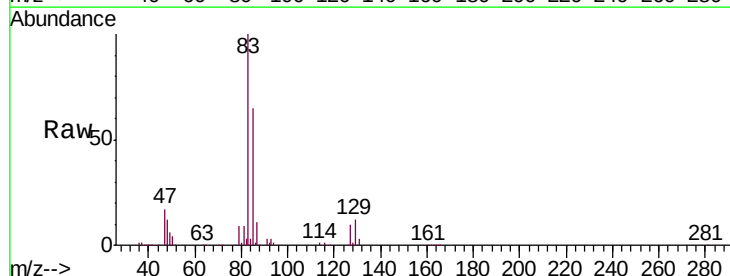
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05045

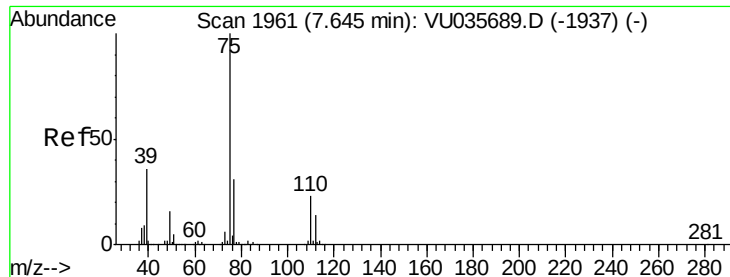
Tgt Ion: 63 Resp: 251709
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 52.400 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion: 83 Resp: 316798
 Ion Ratio Lower Upper
 83 100
 85 65.4 45.1 83.7
 127 9.5 7.2 10.8

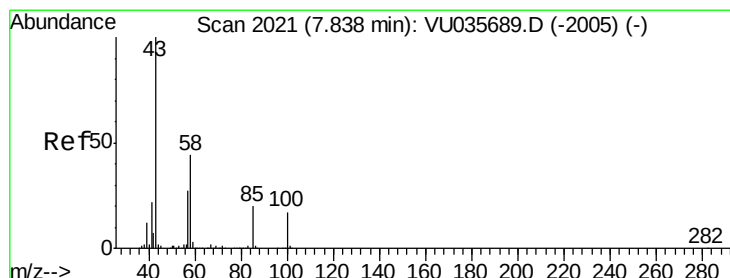
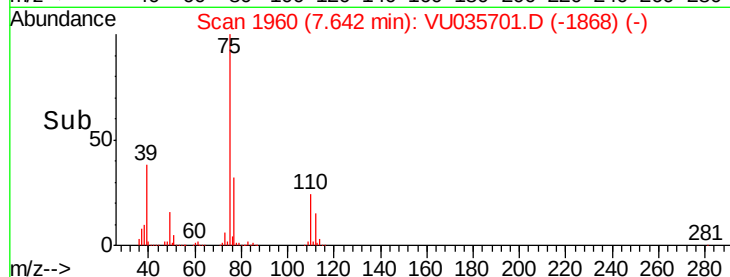
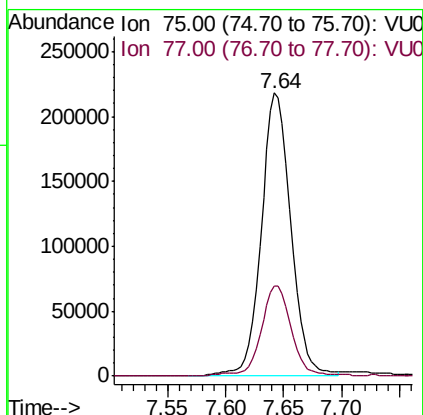
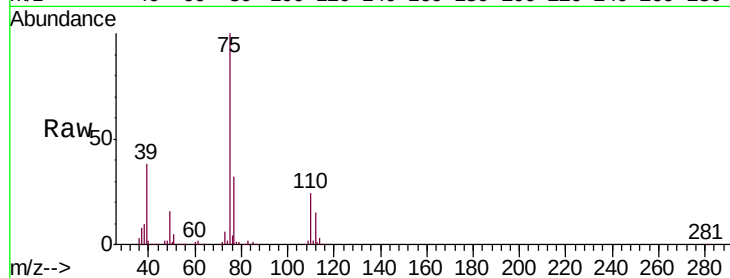




#39
 cis-1,3-Dichloropropene
 Concen: 54.774 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

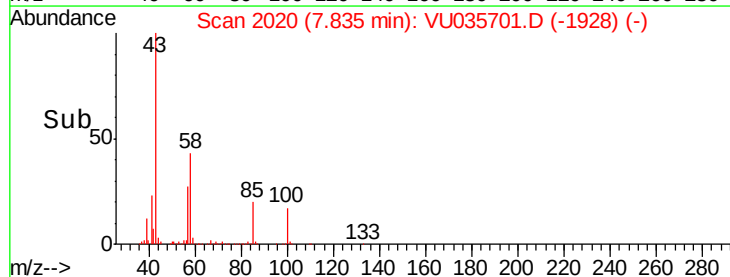
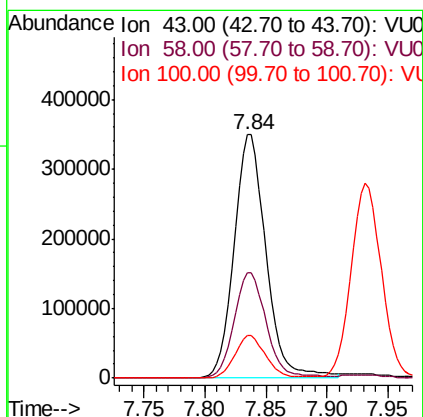
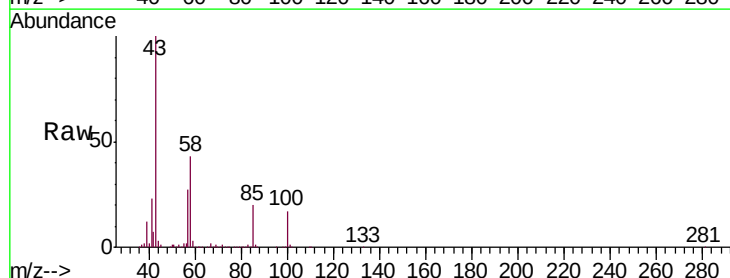
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

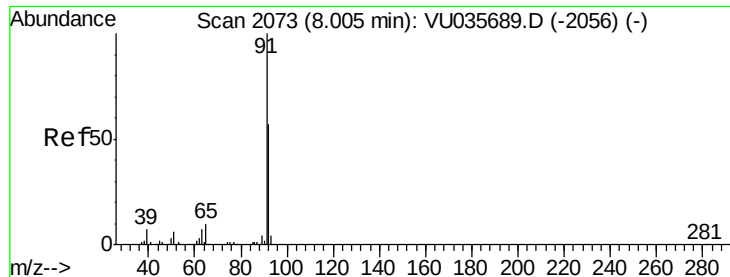
Tgt Ion: 75 Resp: 387241
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 99.907 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion: 43 Resp: 635723
 Ion Ratio Lower Upper
 43 100
 58 43.5 32.6 49.0
 100 16.9 12.6 19.0





#42

Toluene

Concen: 56.384 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

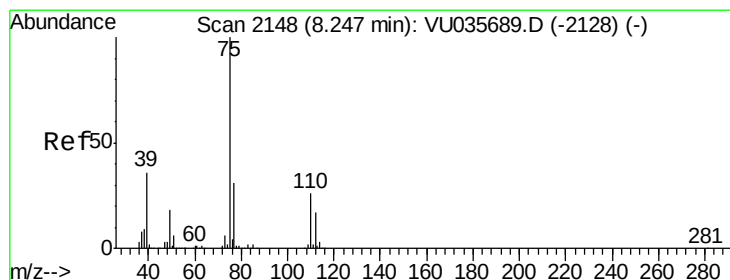
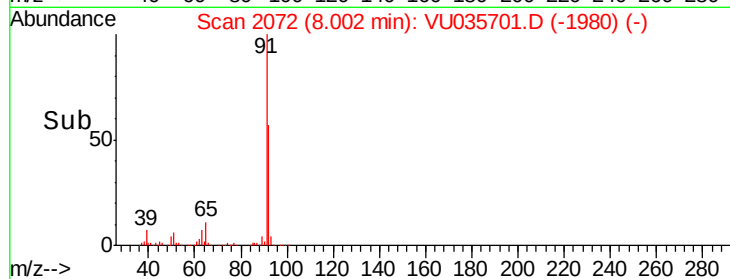
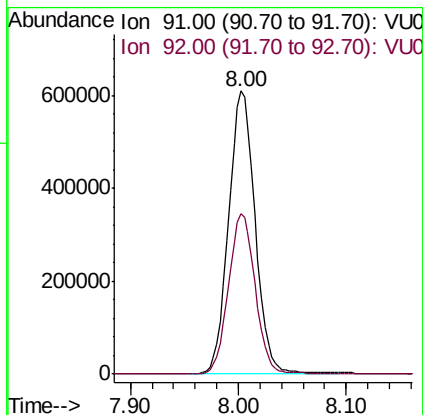
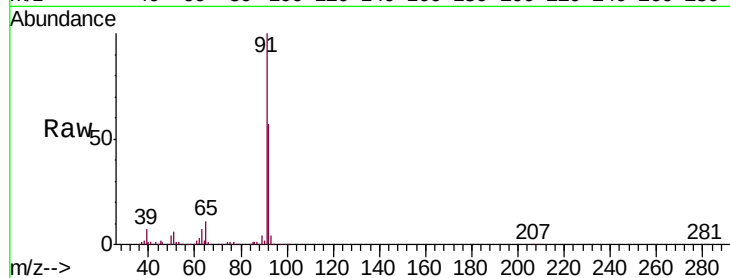
VSTD05045

Tgt Ion: 91 Resp: 1049606

Ion Ratio Lower Upper

91 100

92 56.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 54.638 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035701.D

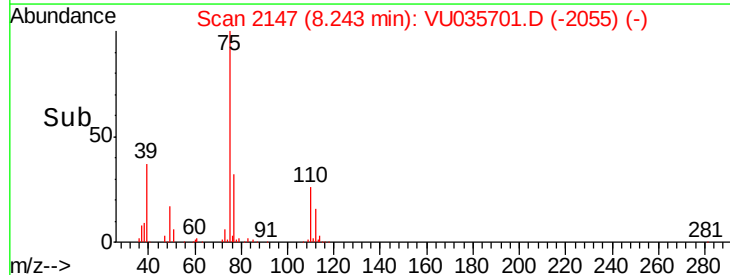
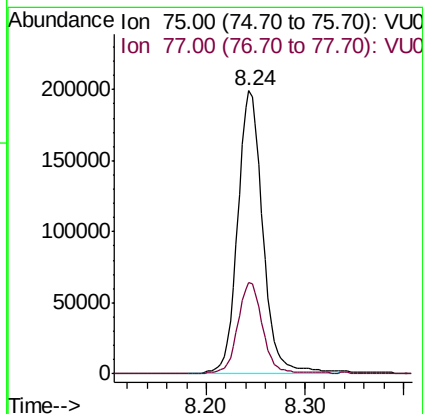
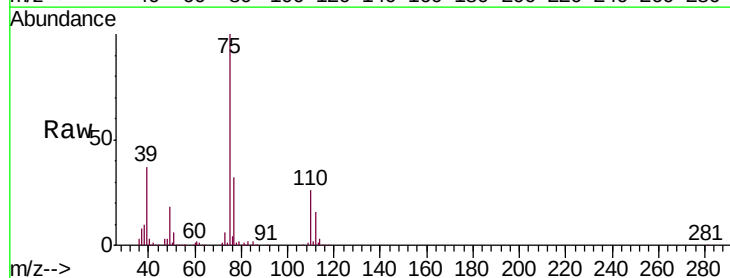
Acq: 13 Nov 2019 08:43

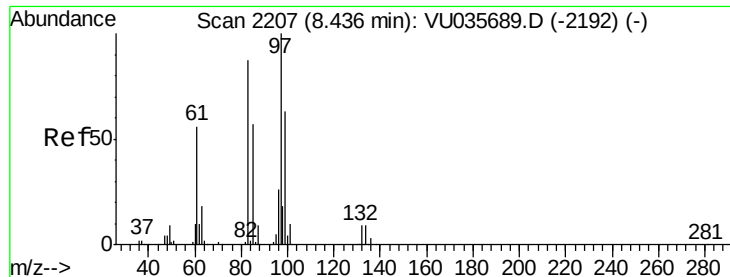
Tgt Ion: 75 Resp: 354080

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1

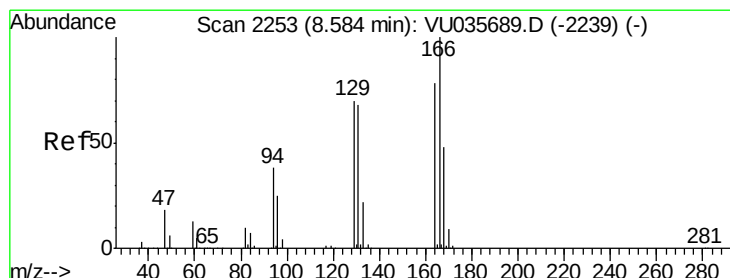
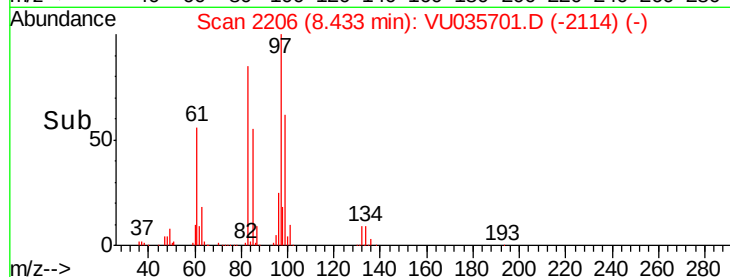
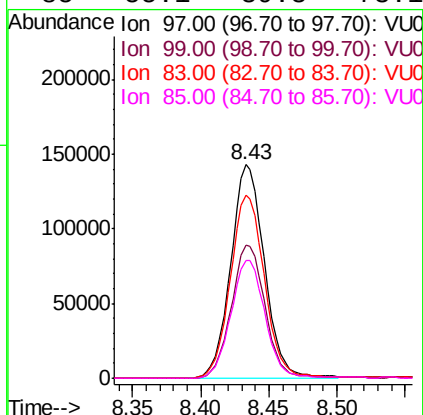
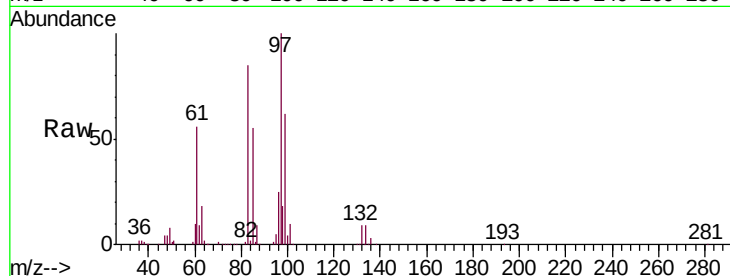




#45
 1,1,2-Trichloroethane
 Concen: 53.825 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

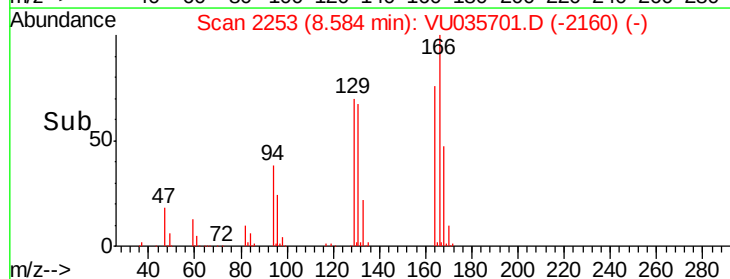
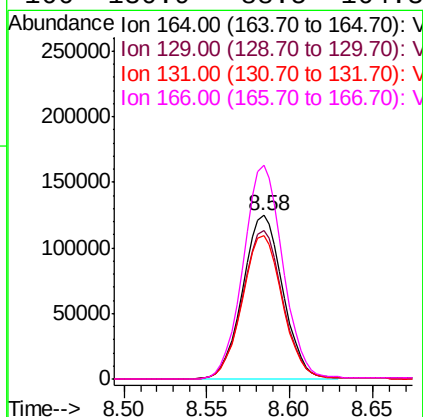
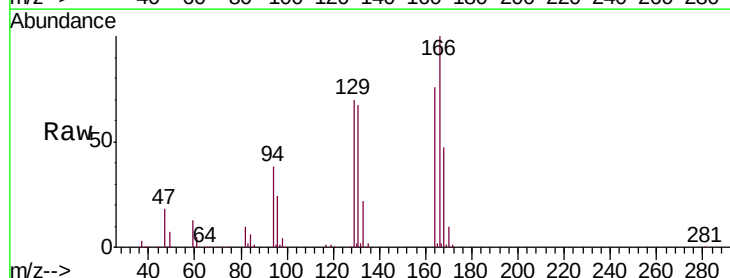
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

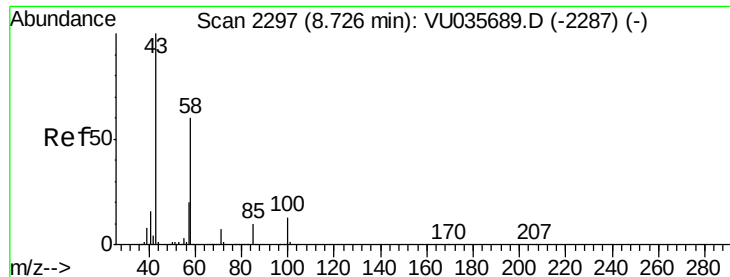
Tgt Ion:	97	Resp:	245389
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.2	82.2
83	85.5	61.5	114.3
85	55.1	39.3	73.1



#46
 Tetrachloroethene
 Concen: 55.653 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion:	164	Resp:	210124
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.1	119.1
131	88.0	63.1	117.1
166	130.9	88.5	164.3

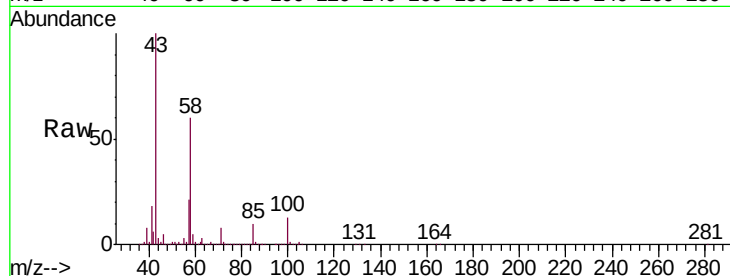




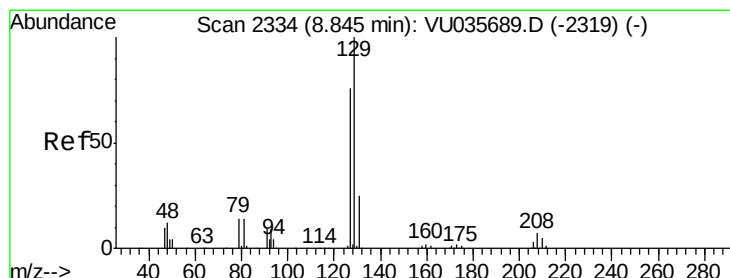
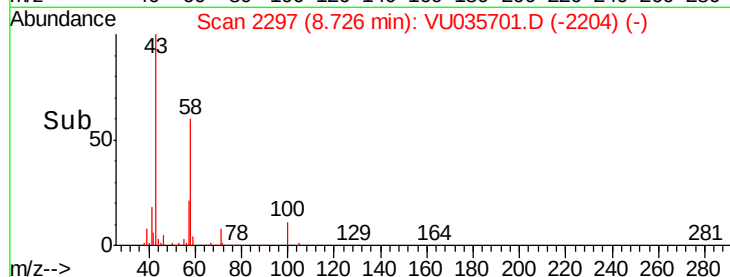
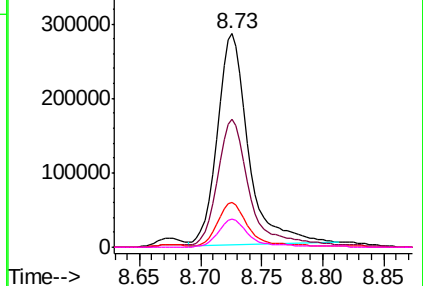
#48
2-Hexanone
Concen: 98.199 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Tgt Ion:	43	Resp:	508137
Ion	Ratio	Lower	Upper
43	100		
58	65.1	50.4	75.6
57	22.7	17.4	26.0
100	13.8	10.5	15.7

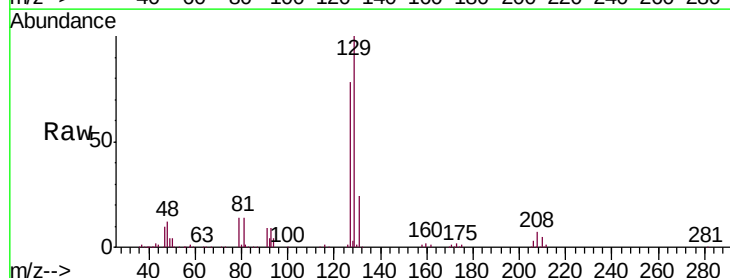


Abundance Ion 43.00 (42.70 to 43.70): VU035689.D (-2287) (-)
Ion 58.00 (57.70 to 58.70): VU035689.D (-2287) (-)
Ion 57.00 (56.70 to 57.70): VU035689.D (-2287) (-)
Ion 100.00 (99.70 to 100.70): VU035689.D (-2287) (-)

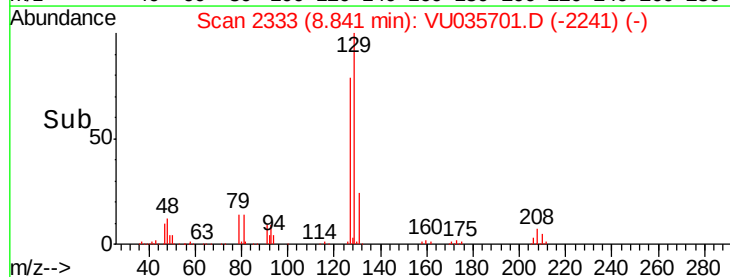
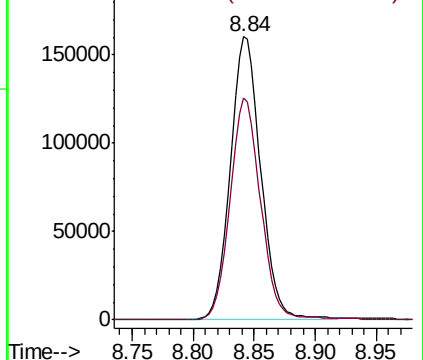


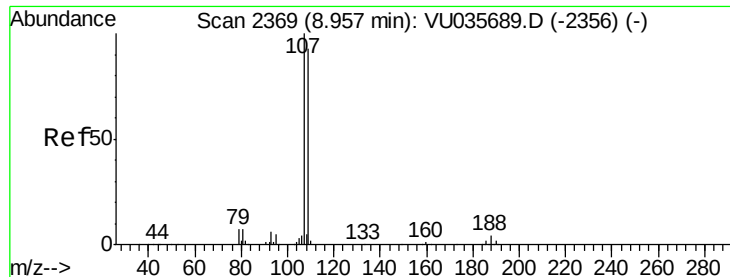
#49
Dibromochloromethane
Concen: 54.285 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion:	129	Resp:	279091
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VU035689.D (-2319) (-)
Ion 127.00 (126.70 to 127.70): VU035689.D (-2319) (-)

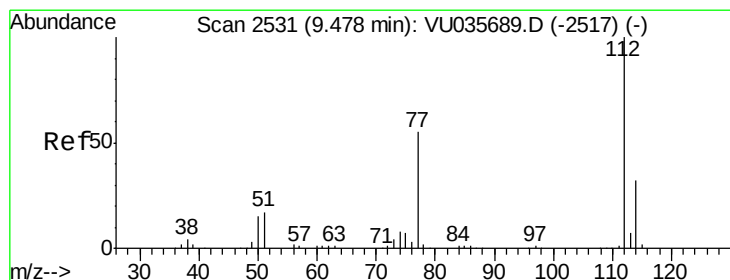
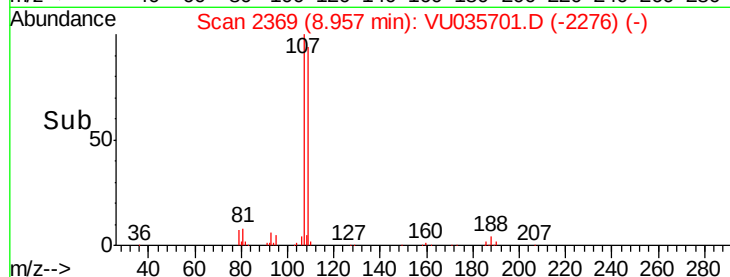
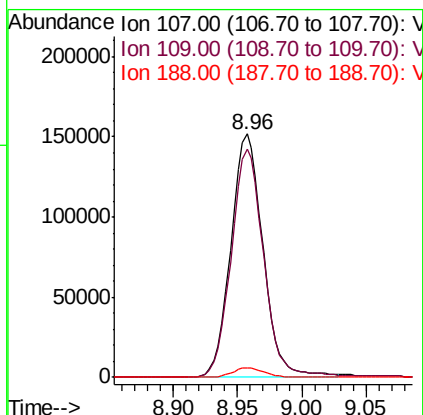
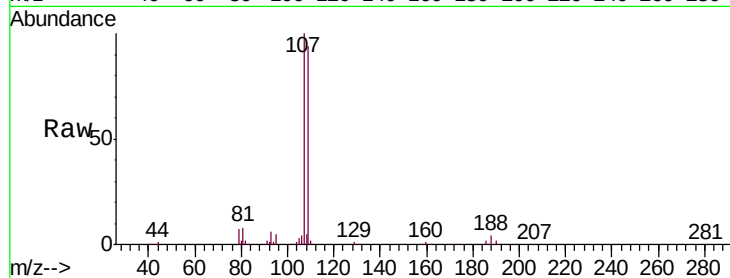




#50
 1,2-Dibromoethane
 Concen: 54.200 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

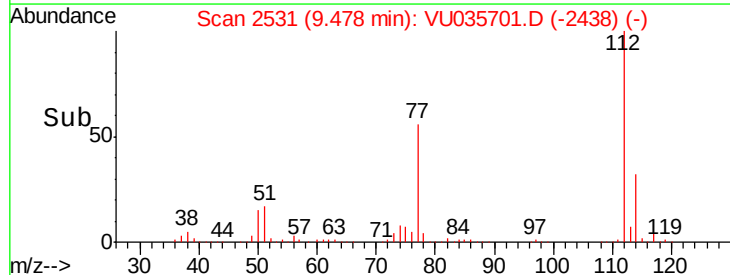
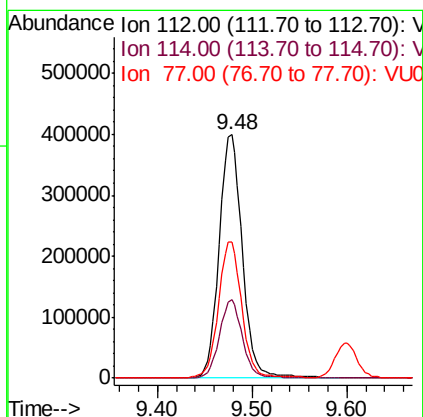
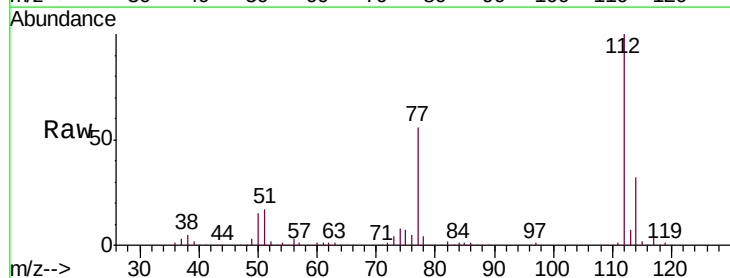
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

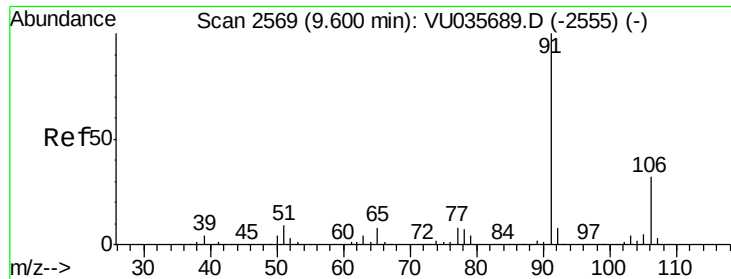
Tgt Ion:107 Resp: 263634
 Ion Ratio Lower Upper
 107 100
 109 93.7 66.8 124.2
 188 4.0 3.2 4.8



#51
 Chlorobenzene
 Concen: 54.681 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion:112 Resp: 679545
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.3
 77 56.0 45.9 68.9





#52

Ethylbenzene

Concen: 56.062 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

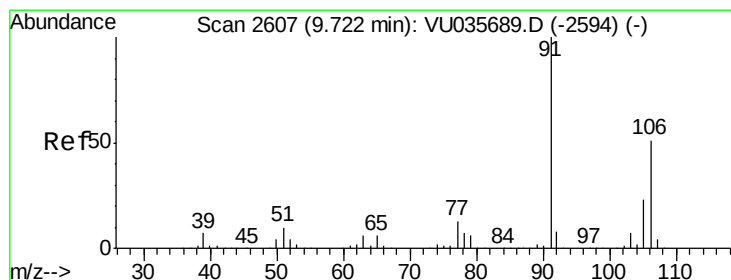
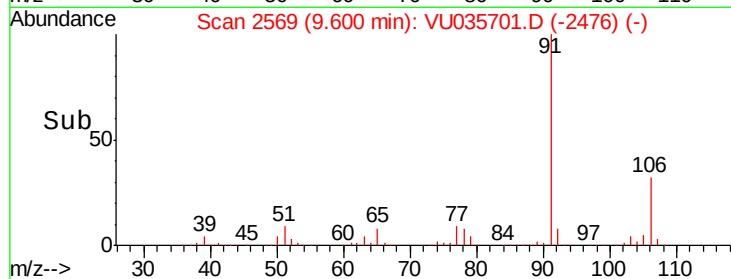
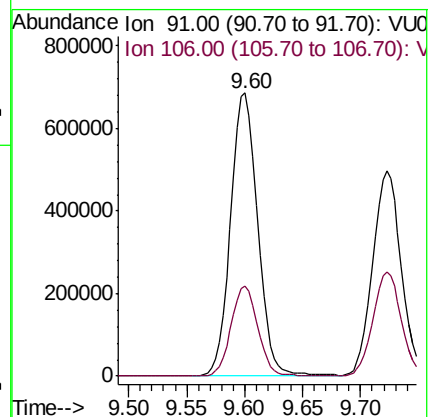
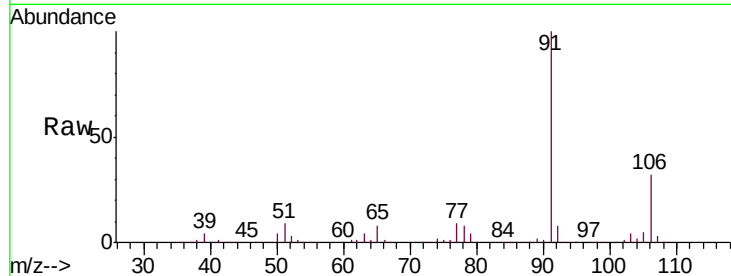
VSTD05045

Tgt Ion: 91 Resp: 1115691

Ion Ratio Lower Upper

91 100

106 32.1 21.6 40.0



#53

m,p-Xylene

Concen: 58.501 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035701.D

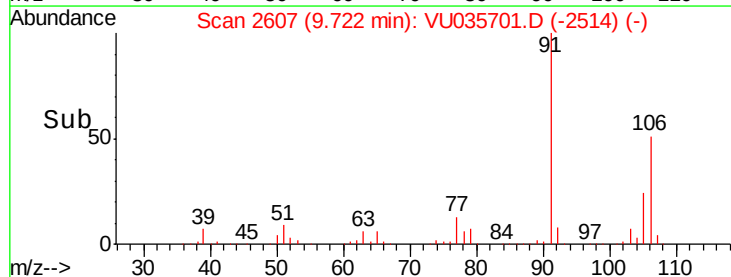
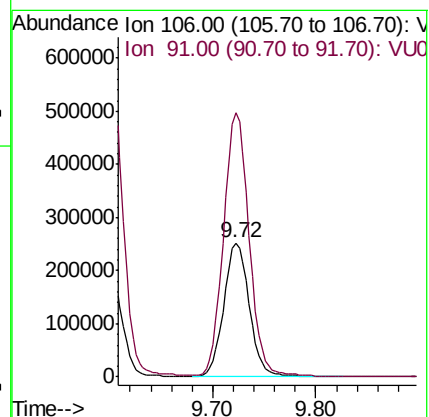
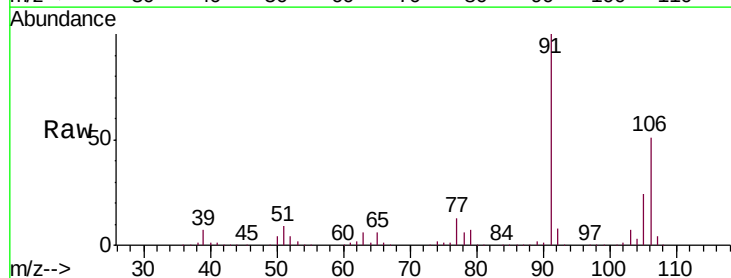
Acq: 13 Nov 2019 08:43

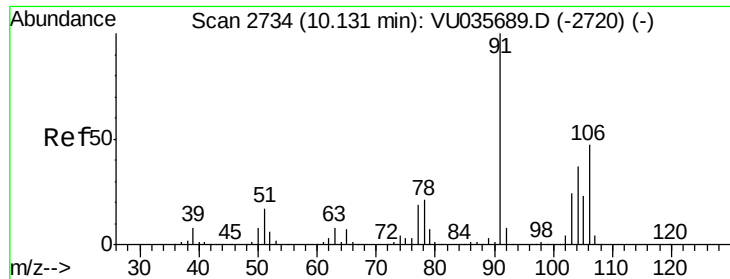
Tgt Ion: 106 Resp: 436858

Ion Ratio Lower Upper

106 100

91 197.1 142.7 264.9

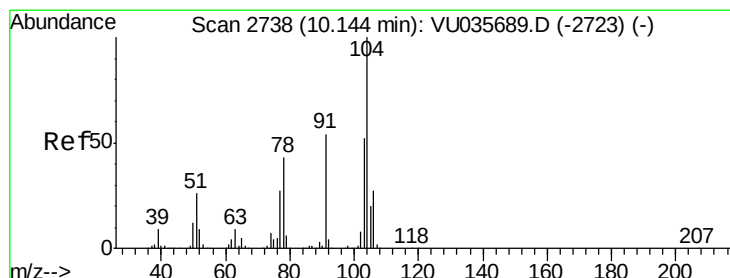
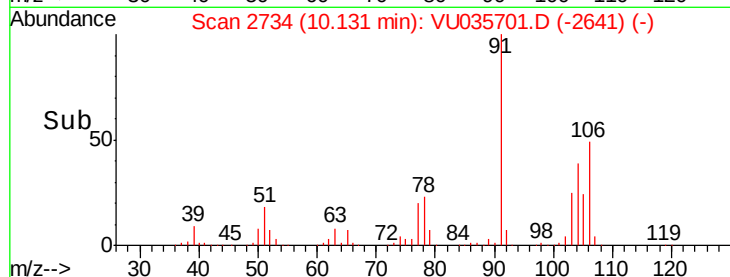
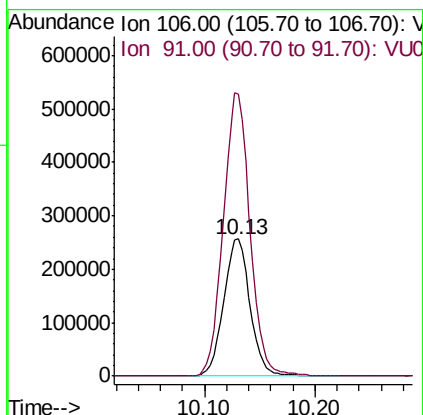
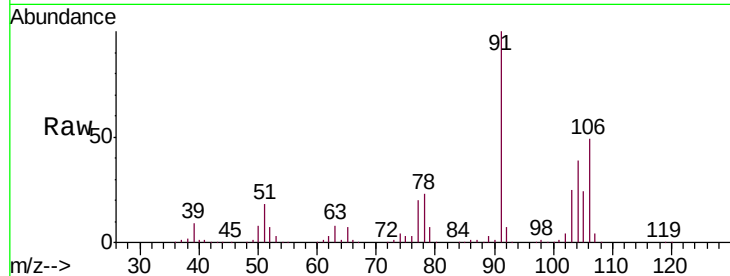




#54
o-xylene
Concen: 58.516 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

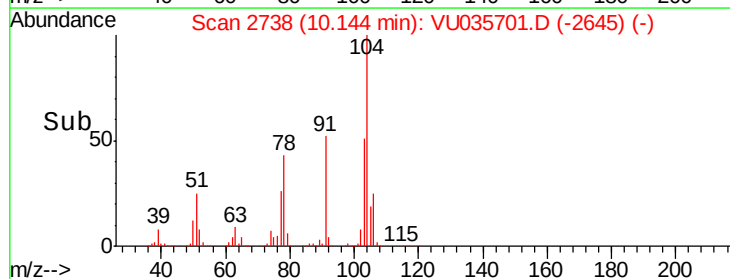
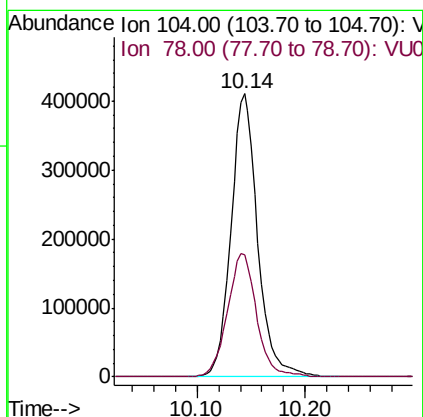
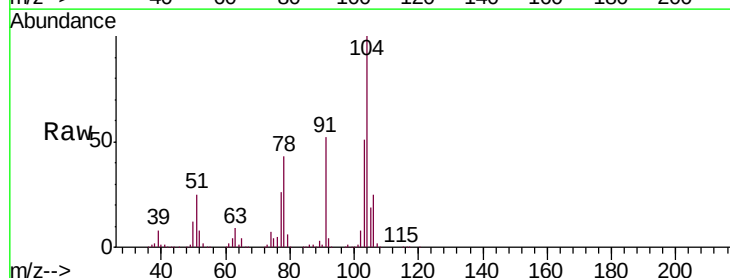
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

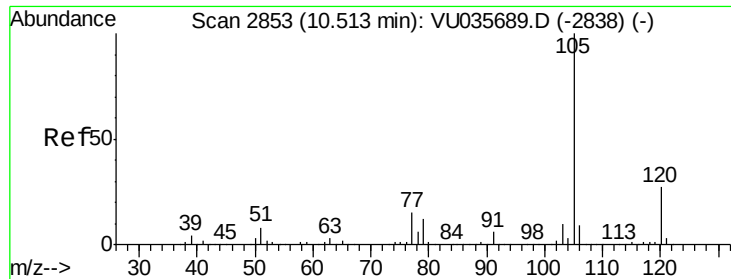
Tgt Ion:106 Resp: 427090
Ion Ratio Lower Upper
106 100
91 205.4 147.1 273.1



#55
Styrene
Concen: 58.239 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035701.D
Acq: 13 Nov 2019 08:43

Tgt Ion:104 Resp: 705446
Ion Ratio Lower Upper
104 100
78 43.3 31.4 58.4





#56

Isopropylbenzene

Concen: 58.276 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

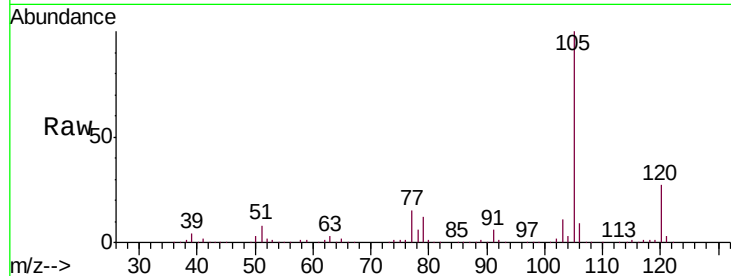
Tgt Ion:105 Resp: 1068858

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

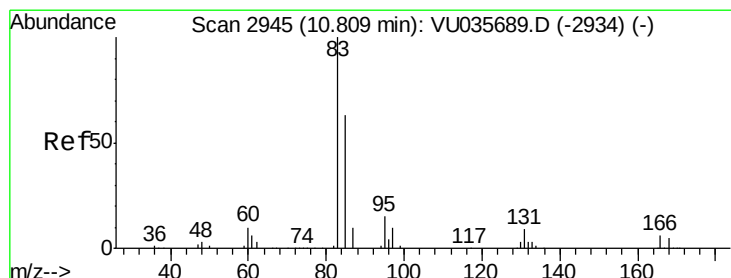
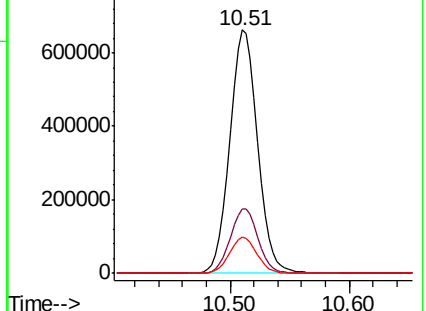
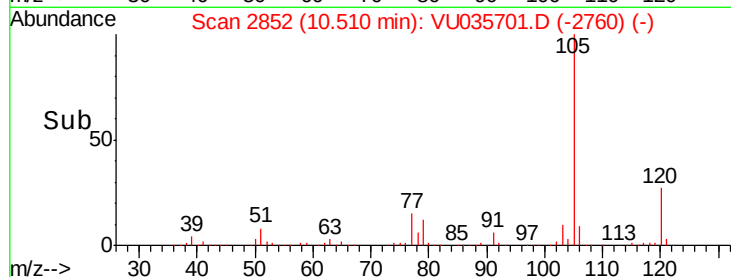
77 14.8 12.2 18.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.924 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

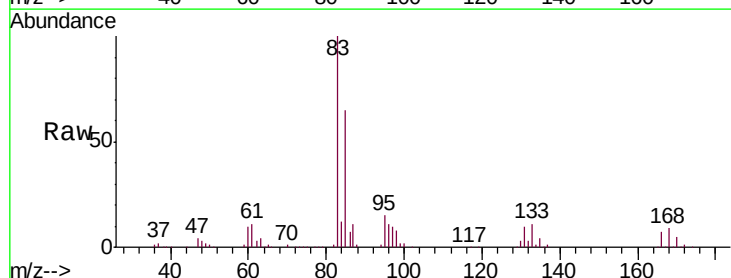
Tgt Ion: 83 Resp: 415592

Ion Ratio Lower Upper

83 100

85 64.7 44.6 82.8

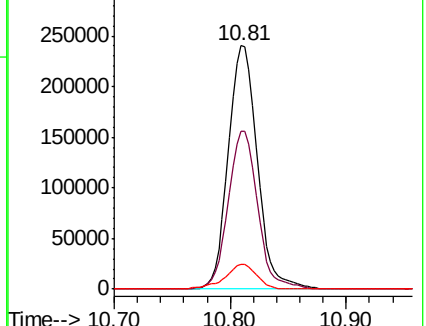
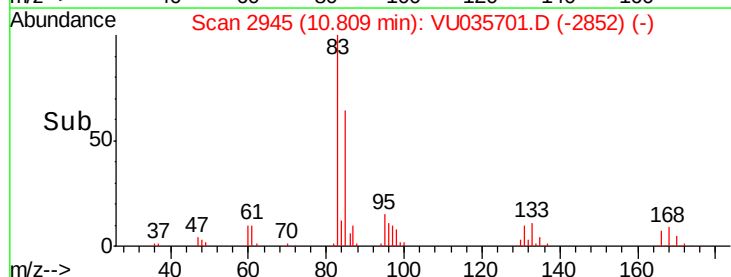
131 10.4 8.2 12.4

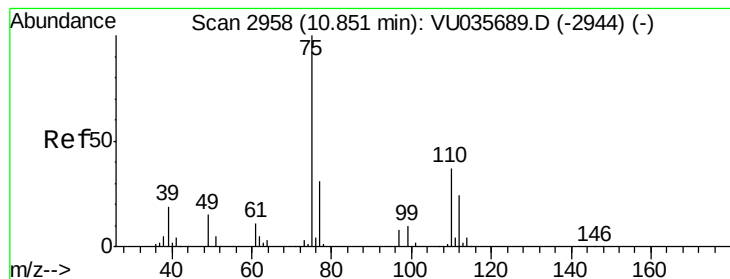


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.647 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

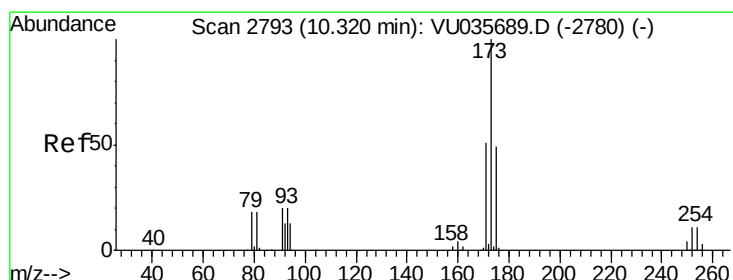
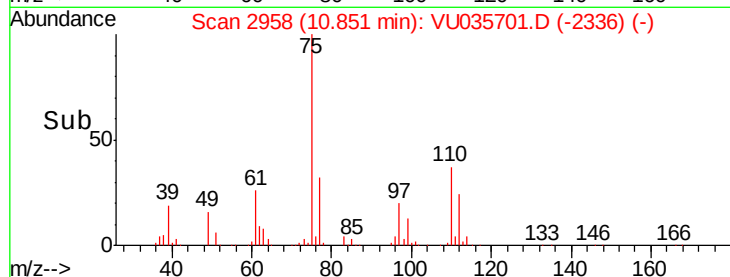
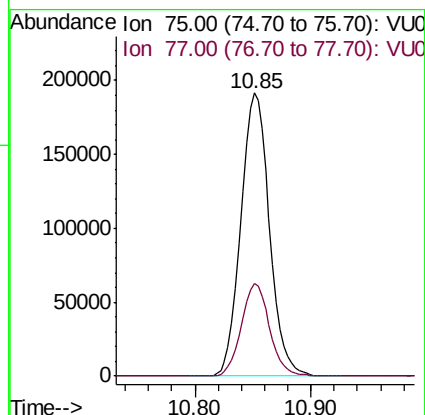
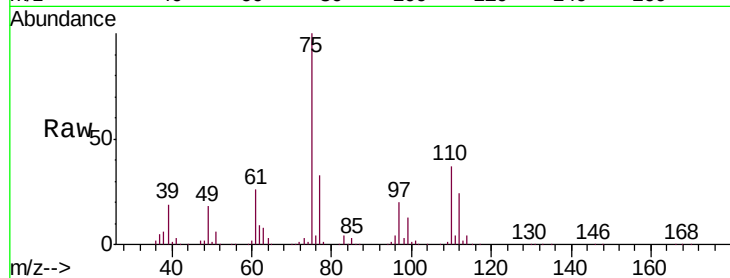
VSTD05045

Tgt Ion: 75 Resp: 326505

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#61

Bromoform

Concen: 50.224 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

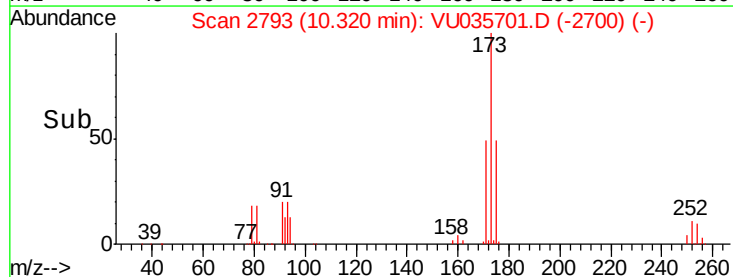
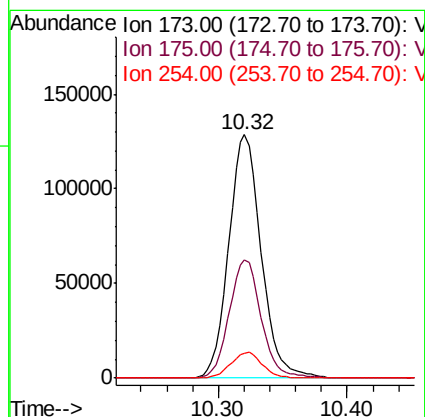
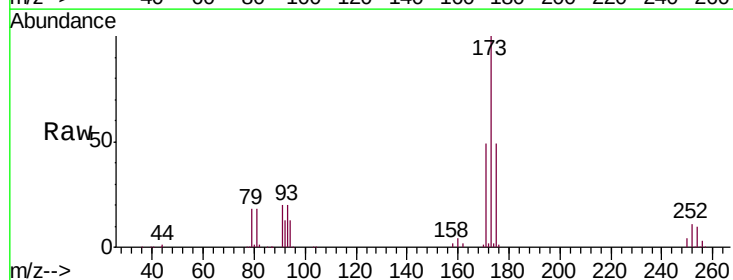
Tgt Ion: 173 Resp: 224193

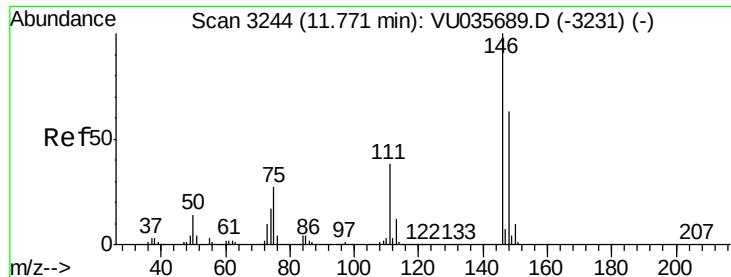
Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.0

254 10.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 52.896 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

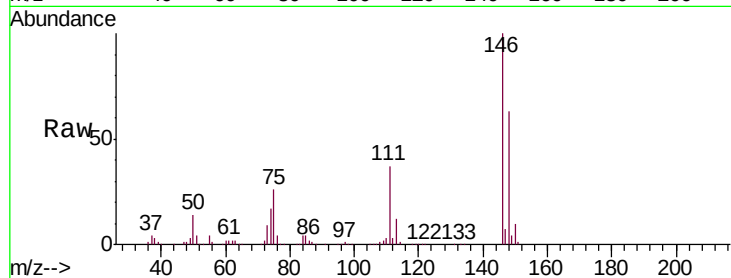
Tgt Ion:146 Resp: 488254

Ion Ratio Lower Upper

146 100

111 36.7 27.8 51.6

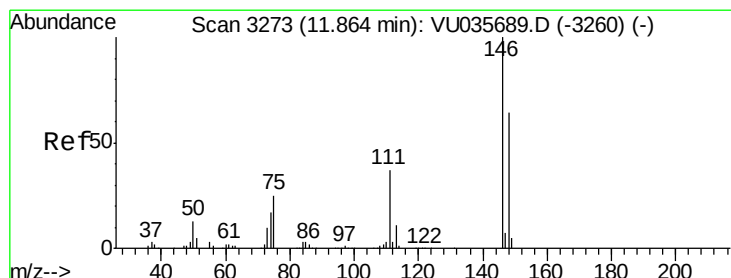
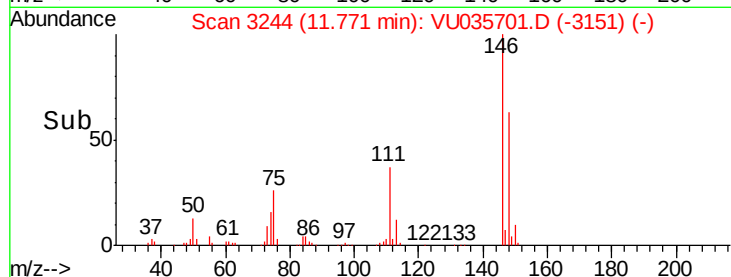
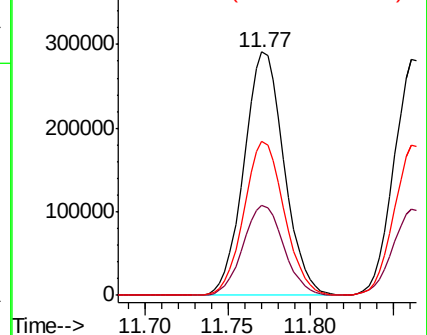
148 63.0 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.020 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

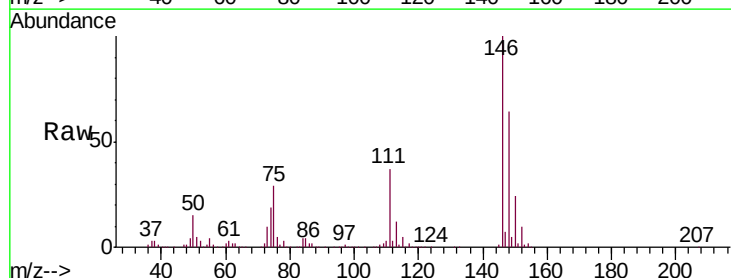
Tgt Ion:146 Resp: 478412

Ion Ratio Lower Upper

146 100

111 36.6 26.5 49.1

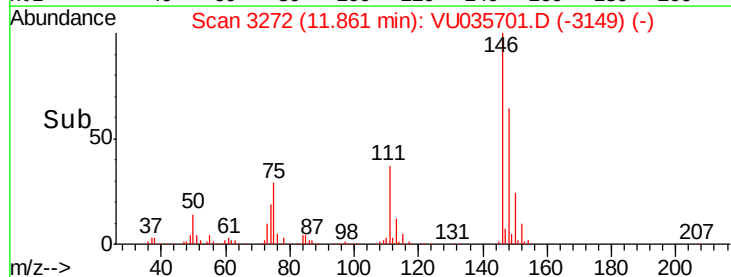
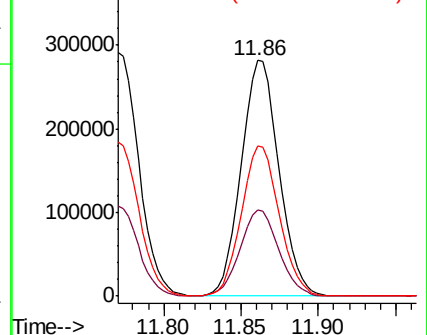
148 63.7 44.4 82.5

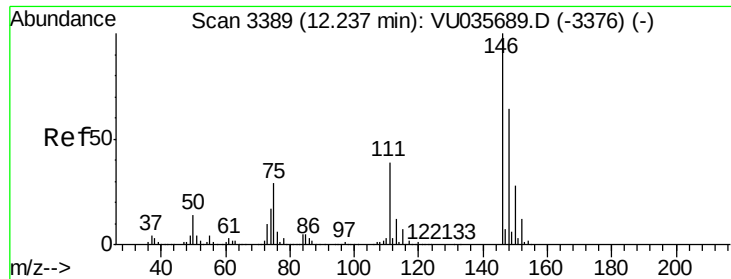


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

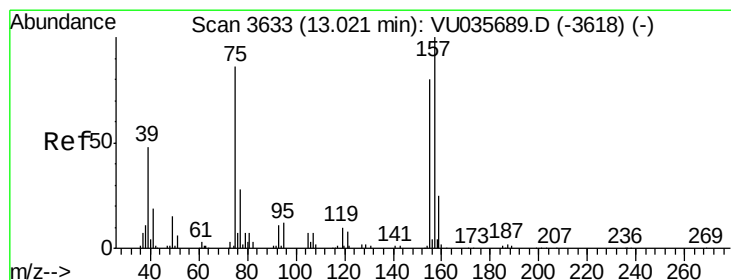
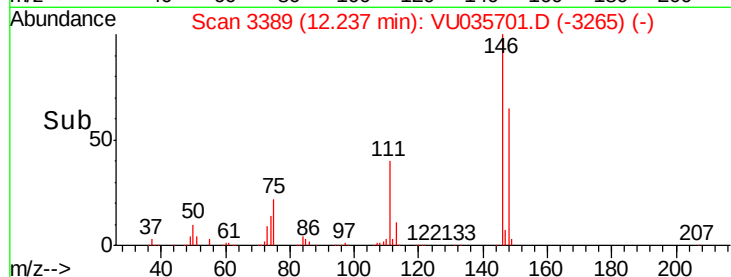
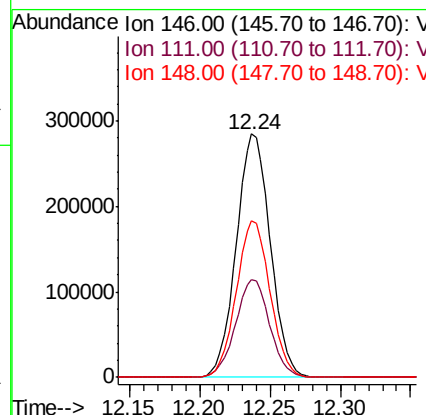
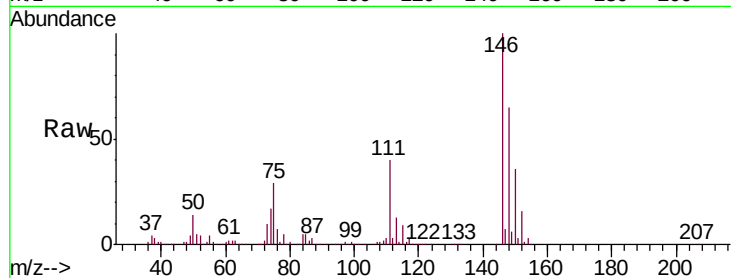




#65
 1,2-Dichlorobenzene
 Concen: 51.184 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

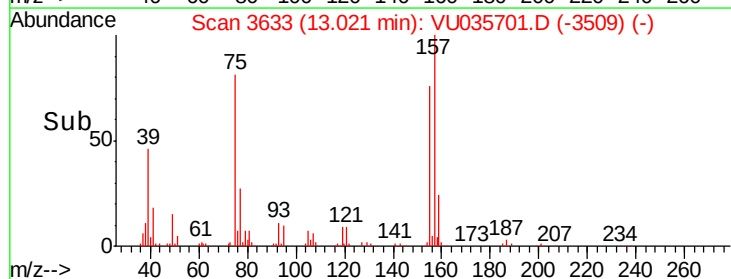
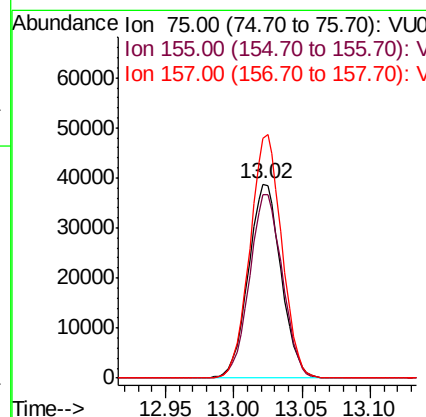
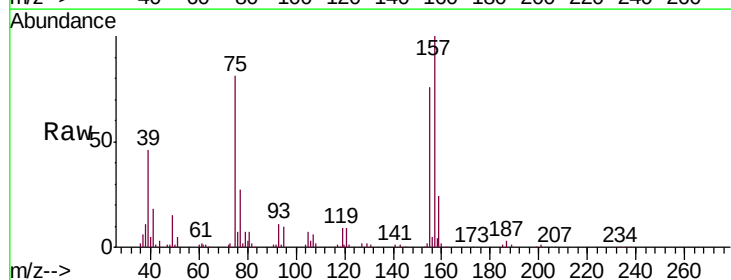
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

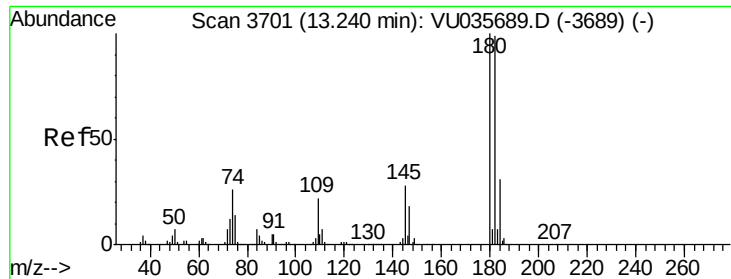
Tgt Ion: 146 Resp: 480988
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.4 48.6
 148 64.5 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.175 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion: 75 Resp: 64363
 Ion Ratio Lower Upper
 75 100
 155 94.5 72.2 108.4
 157 123.9 92.1 138.1

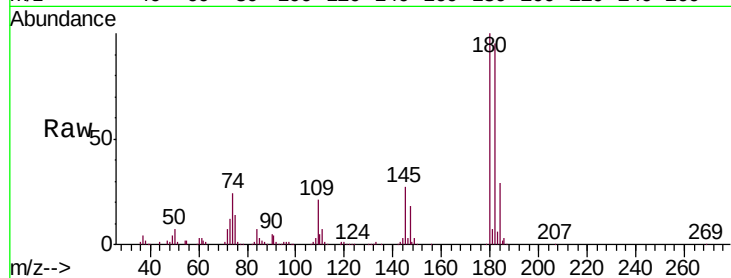




#67
 1,3,5-Trichlorobenzene
 Concen: 50.688 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:	180	Resp:	270304
Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
184	30.8	24.6	36.8
145	27.3	21.7	32.5



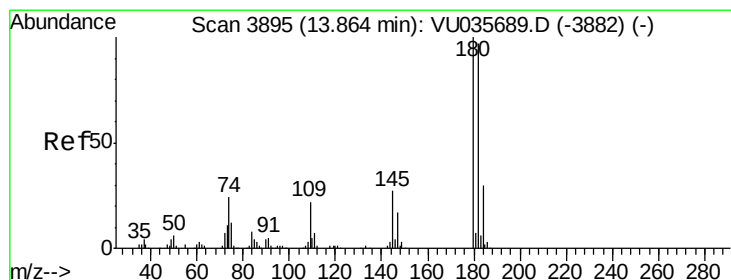
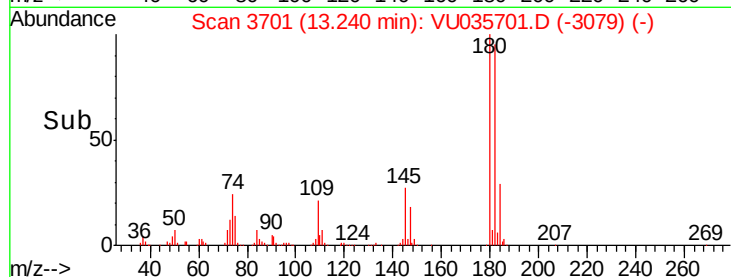
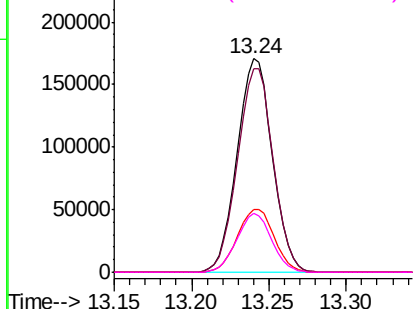
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

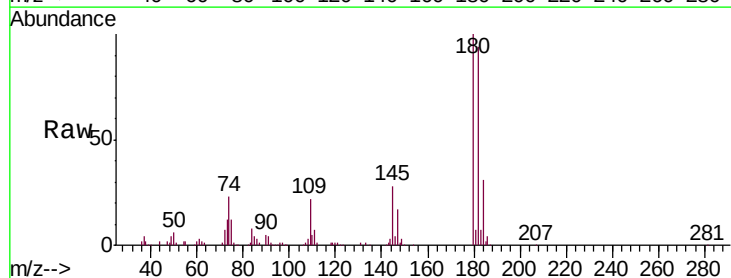
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 36.781 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035701.D
 Acq: 13 Nov 2019 08:43

Tgt Ion:	180	Resp:	131390
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	115.0
145	27.9	21.9	32.9

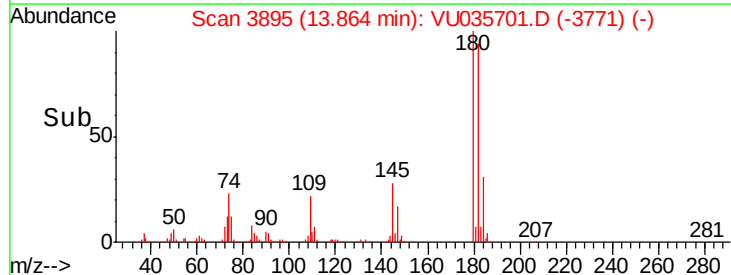
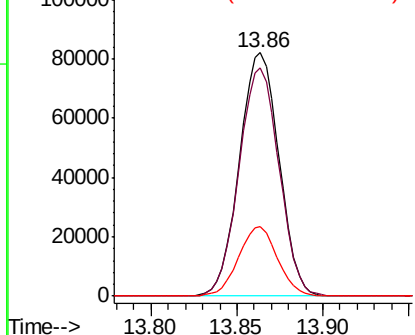


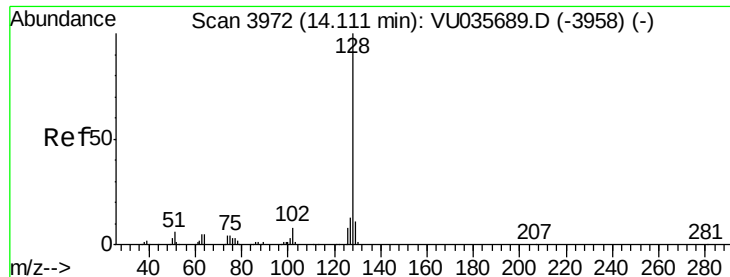
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 30.018 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

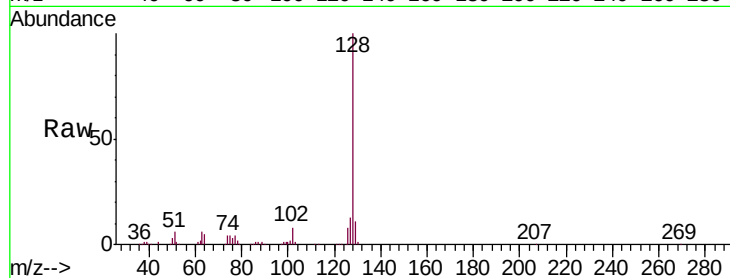
Tgt Ion:128 Resp: 275043

Ion Ratio Lower Upper

128 100

127 12.7 10.7 16.1

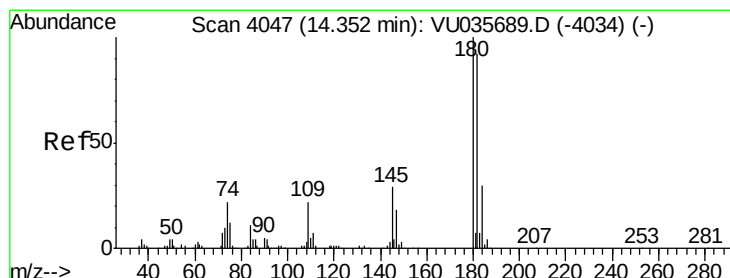
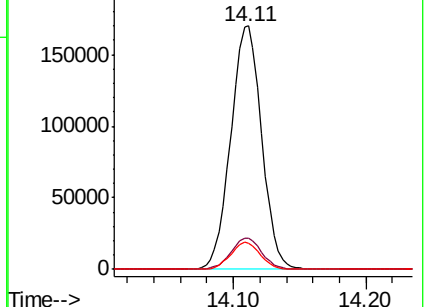
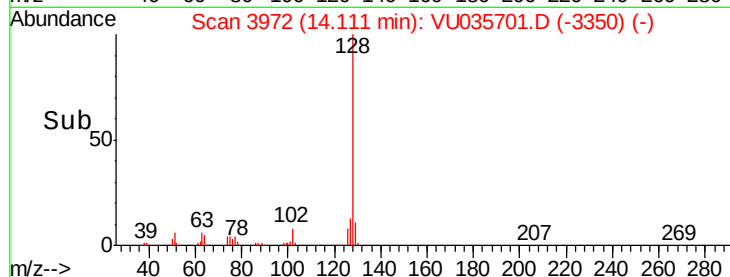
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 35.138 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035701.D

Acq: 13 Nov 2019 08:43

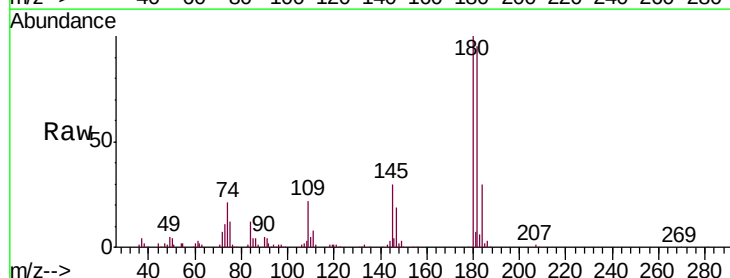
Tgt Ion:180 Resp: 135243

Ion Ratio Lower Upper

180 100

182 95.7 77.6 116.4

145 29.7 23.4 35.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

