

Data File : VU033695.D
Acq On : 09 Aug 2019 19:46
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Aug 10 04:23:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:16:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	422169	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405592	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	218016	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	154036	49.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.14%
7) Chloroethane-d5	1.67	69	145015	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.12%
11) 1,1-Dichloroethene-d2	2.26	63	255308	48.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.72%
21) 2-Butanone-d5	4.15	46	202092	104.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.90%
24) Chloroform-d	4.62	84	235324	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.28	65	142534	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.74%
32) Benzene-d6	5.32	84	482658	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	6.31	67	149276	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.55	98	453793	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.83	79	75671	51.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.02%
47) 2-Hexanone-d5	8.29	63	163142	107.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.22%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	220841	50.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.64%
64) 1,2-Dichlorobenzene-d4	11.84	152	181632	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	147131	47.774 ug/L	99
3) Chloromethane	1.32	50	152325	47.753 ug/L	98
5) Vinyl chloride	1.39	62	170637	48.015 ug/L	98
6) Bromomethane	1.62	94	125198	43.422 ug/L	99
8) Chloroethane	1.69	64	123601	45.685 ug/L	99
9) Trichlorofluoromethane	1.87	101	229948	47.717 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	121157	47.940 ug/L	99
12) 1,1-Dichloroethene	2.27	96	119198	48.015 ug/L	96
13) Acetone	2.32	43	158584	81.867 ug/L	97
14) Carbon disulfide	2.46	76	339642	48.737 ug/L	99
15) Methyl Acetate	2.60	43	156156	48.383 ug/L	99
16) Methylene chloride	2.68	84	139106	48.293 ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	127376	47.874 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	421669	48.455 ug/L	100
19) 1,1-Dichloroethane	3.42	63	239771	47.753 ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	147890	48.730 ug/L	99
22) 2-Butanone	4.24	43	239232	99.227 ug/L	99

Data File : VU033695.D
Acq On : 09 Aug 2019 19:46
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Aug 10 04:23:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:16:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	76361	48.902	ug/L	97
25) Chloroform	4.65	83	252337	48.177	ug/L	97
27) 1,2-Dichloroethane	5.38	62	193599	48.532	ug/L	100
29) Cyclohexane	4.97	56	206209	48.179	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	212946	48.383	ug/L	99
31) Carbon tetrachloride	5.11	117	193711	49.056	ug/L	96
33) Benzene	5.37	78	540297	47.868	ug/L	100
34) Trichloroethene	6.16	95	141861	47.632	ug/L	98
35) Methylcyclohexane	6.40	83	222617	49.106	ug/L	99
37) 1,2-Dichloropropane	6.41	63	143318	47.577	ug/L	100
38) Bromodichloromethane	6.74	83	187163	48.354	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	238107	49.739	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	440423	98.309	ug/L	100
42) Toluene	7.62	91	595850	48.796	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	212287	49.779	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	141247	47.965	ug/L	99
46) Tetrachloroethene	8.21	164	120469	49.070	ug/L	98
48) 2-Hexanone	8.34	43	353109	100.101	ug/L	99
49) Dibromochloromethane	8.46	129	162511	49.252	ug/L	100
50) 1,2-Dibromoethane	8.57	107	156871	48.181	ug/L	100
51) Chlorobenzene	9.10	112	390760	48.682	ug/L	100
52) Ethylbenzene	9.23	91	655012	49.036	ug/L	99
53) m,p-Xylene	9.36	106	249217	48.876	ug/L	100
54) o-xylene	9.76	106	246947	48.999	ug/L	97
55) Styrene	9.77	104	422248	49.928	ug/L	99
56) Isopropylbenzene	10.15	105	647513	48.958	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	249824	48.293	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	197201	48.425	ug/L	98
61) Bromoform	9.94	173	129054	49.311	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	321687	48.470	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	326062	48.503	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	321105	48.940	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	61524	49.633	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	261896	49.587	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	244257	51.119	ug/L	98
69) Naphthalene	13.73	128	749706	52.383	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	250465	50.704	ug/L	97

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

Data File : VU033695.D

Acq On : 09 Aug 2019 19:46

Operator : JC/SP

Sample : VSTDCCC050

Misc : 5.0mL/MSVOA U/WATER

```
ALS Vial      : 10      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

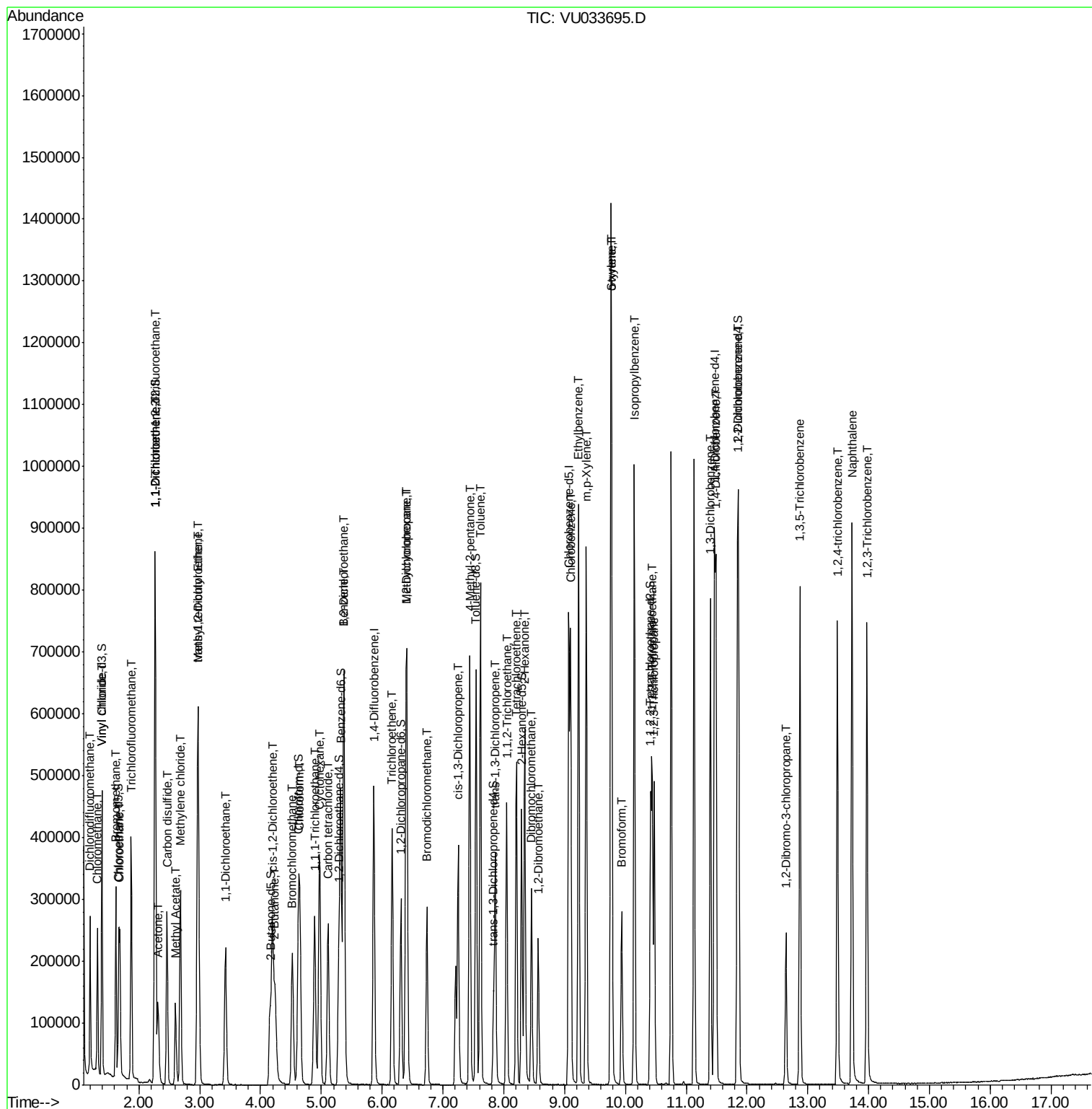
Quant Time: Aug 10 04:23:21 2019

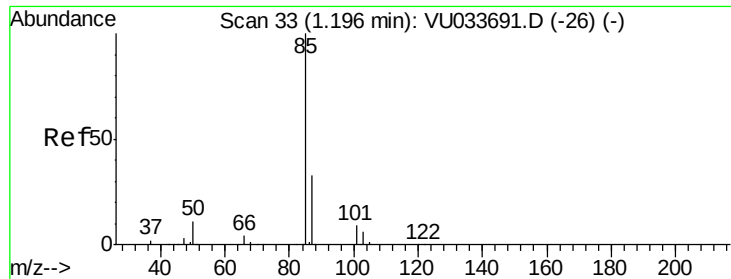
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM080919WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Aug 10 04:16:31 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 47.774 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

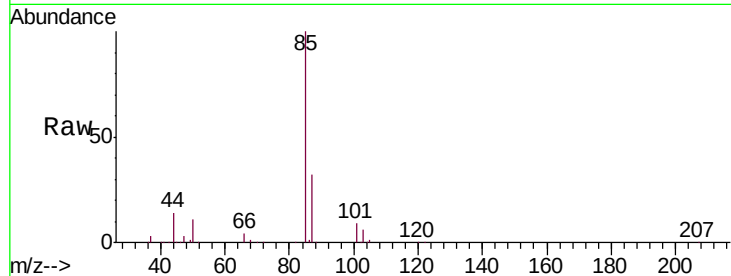
VSTD05056

Tgt Ion: 85 Resp: 147131

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033691.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033691.D (-26) (-)

1.20

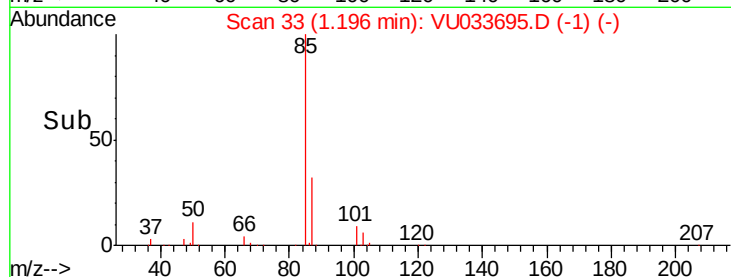
150000

100000

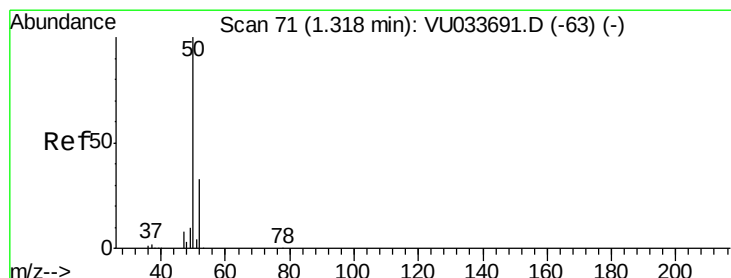
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 47.753 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033695.D

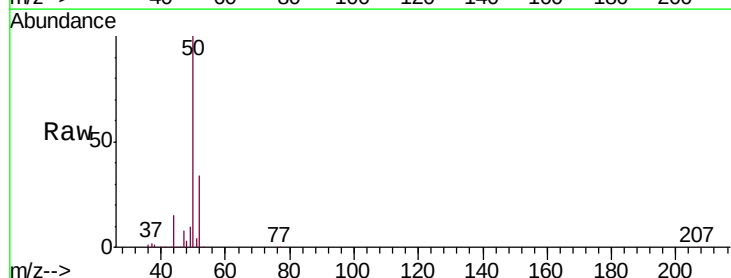
Acq: 09 Aug 2019 19:46

Tgt Ion: 50 Resp: 152325

Ion Ratio Lower Upper

50 100

52 33.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033691.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033691.D (-63) (-)

1.32

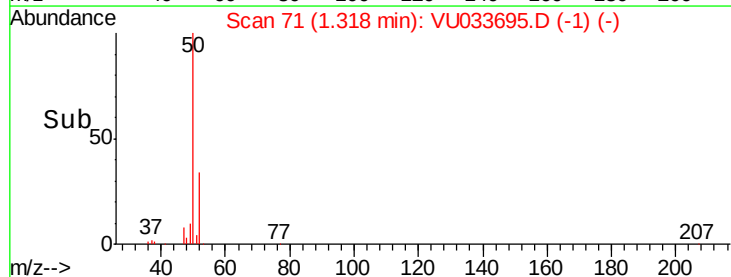
150000

100000

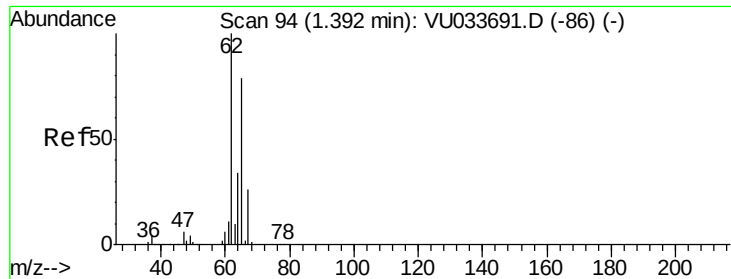
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 48.015 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

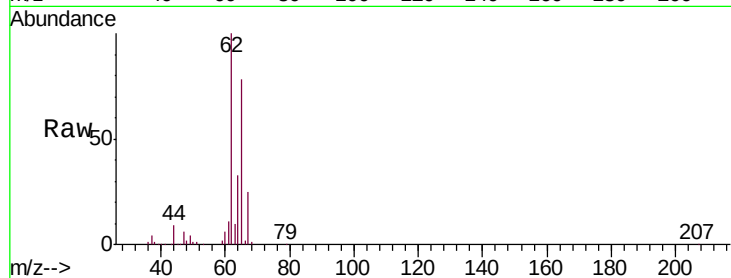
VSTD05056

Tgt Ion: 62 Resp: 170637

Ion Ratio Lower Upper

62 100

64 32.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033695.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033695.D (-86) (-)

1.39

150000

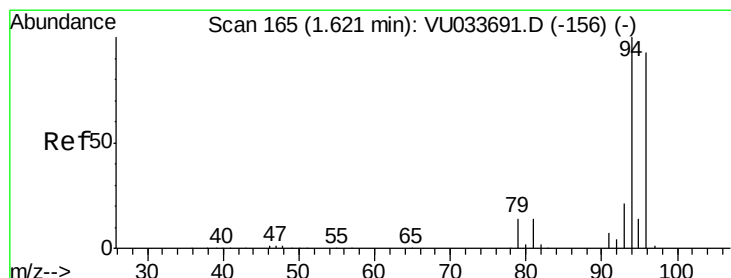
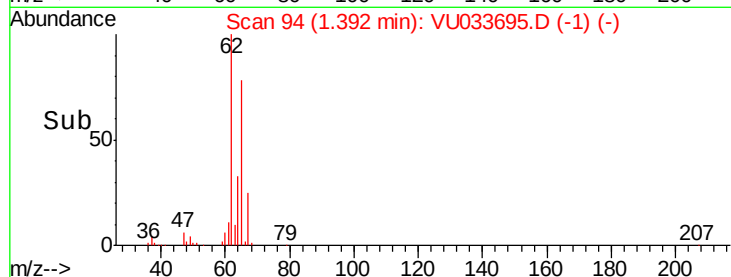
100000

50000

0

1.35 1.40 1.45 1.50

Time-->



#6

Bromomethane

Concen: 43.422 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033695.D

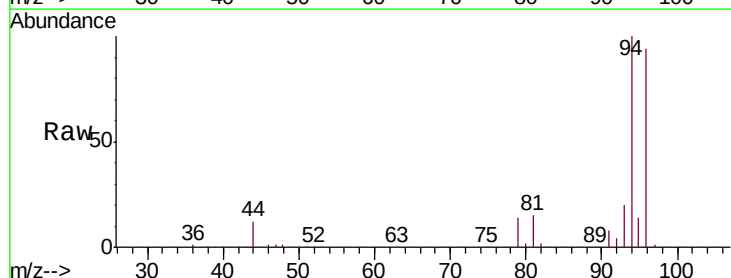
Acq: 09 Aug 2019 19:46

Tgt Ion: 94 Resp: 125198

Ion Ratio Lower Upper

94 100

96 93.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU033695.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033695.D (-156) (-)

1.62

120000

100000

80000

60000

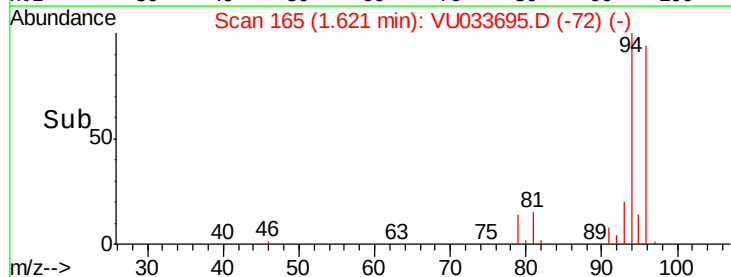
40000

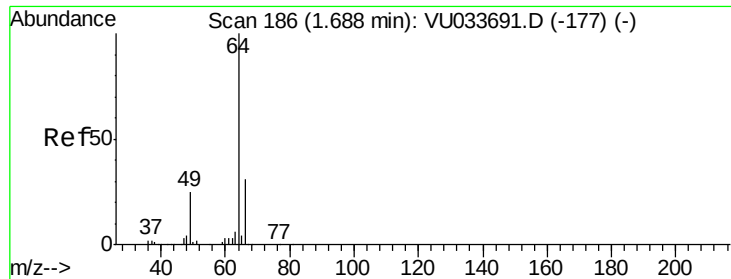
20000

0

1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 45.685 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

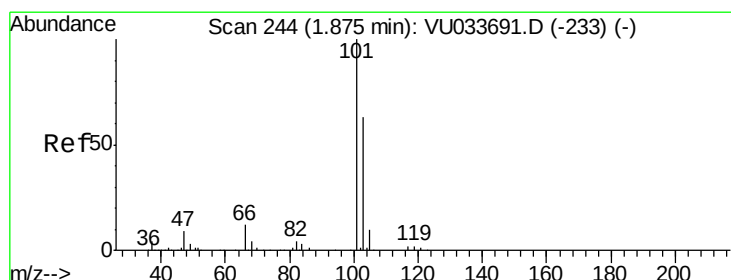
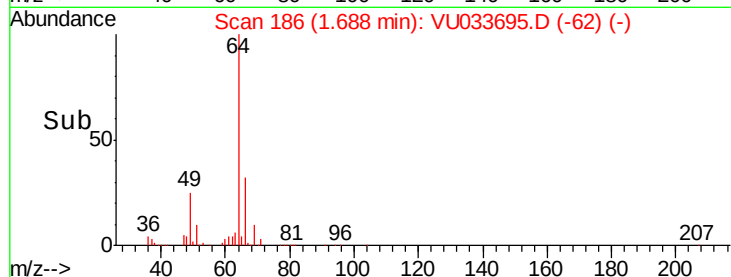
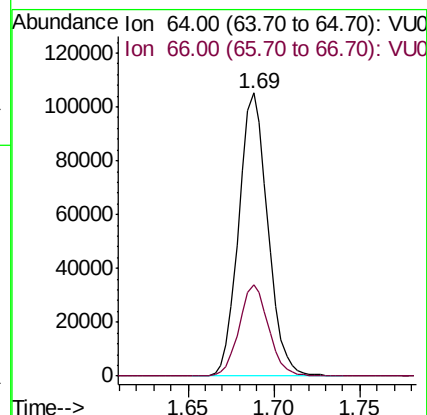
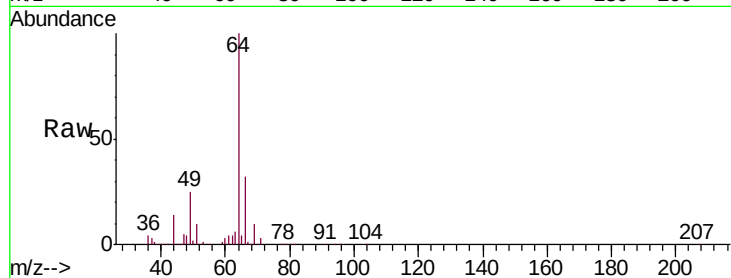
VSTD05056

Tgt Ion: 64 Resp: 123601

Ion Ratio Lower Upper

64 100

66 32.3 22.0 41.0



#9

Trichlorofluoromethane

Concen: 47.717 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033695.D

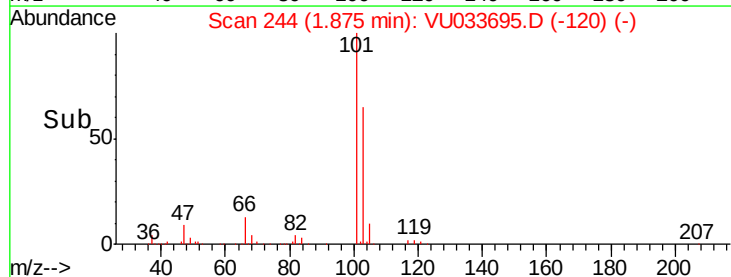
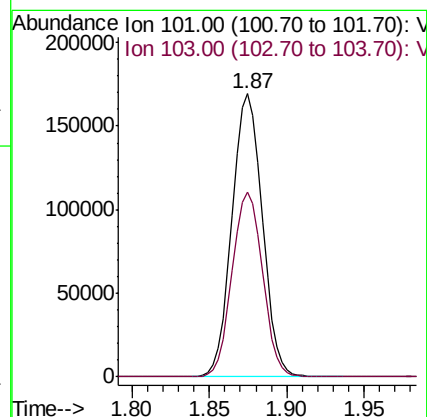
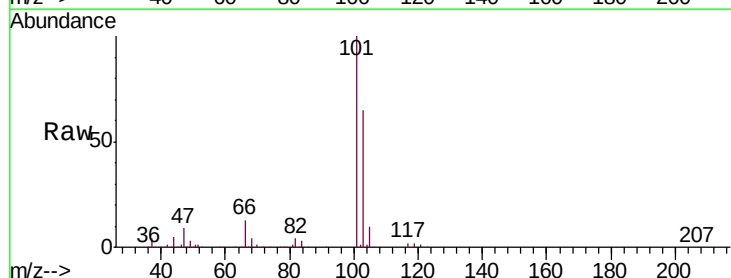
Acq: 09 Aug 2019 19:46

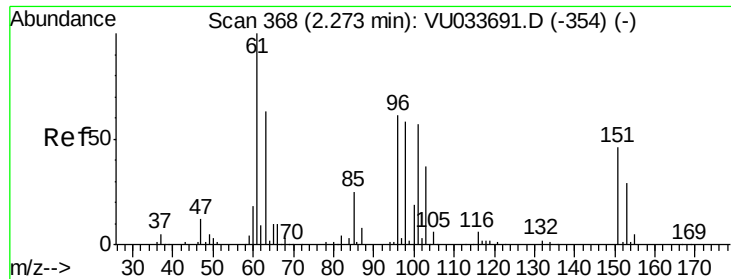
Tgt Ion: 101 Resp: 229948

Ion Ratio Lower Upper

101 100

103 65.5 51.0 76.6





#10

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

Concen: 47.940 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

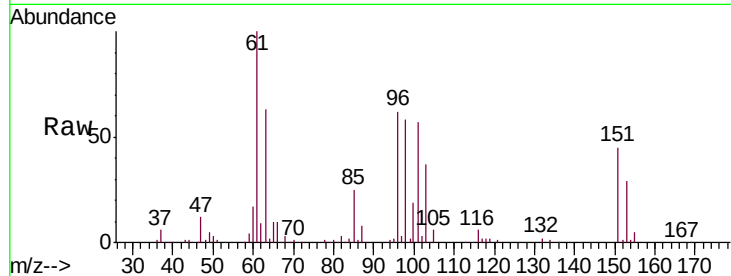
Tgt Ion: 101 Resp: 121157

Ion Ratio Lower Upper

101 100

85 43.6 34.5 51.7

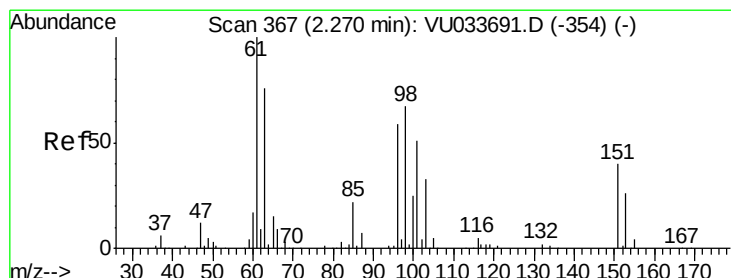
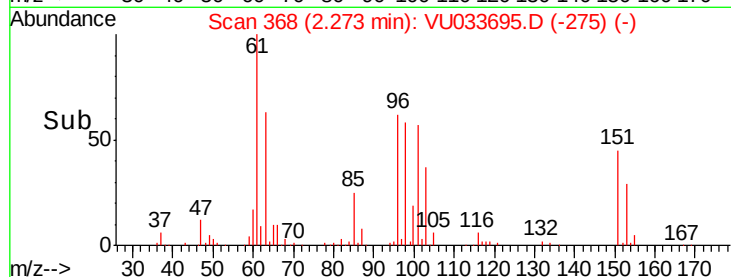
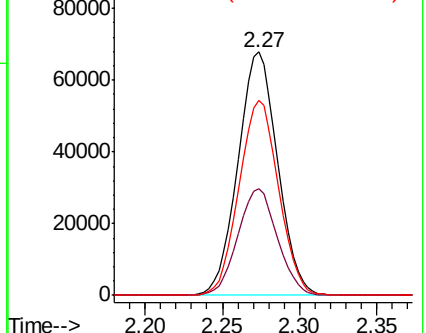
151 79.9 63.0 94.4



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: 48.015 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

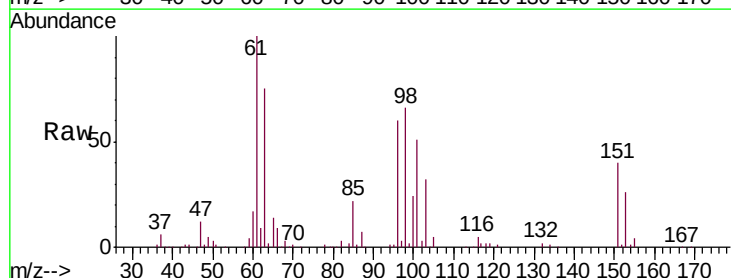
Tgt Ion: 96 Resp: 119198

Ion Ratio Lower Upper

96 100

61 165.4 118.2 219.6

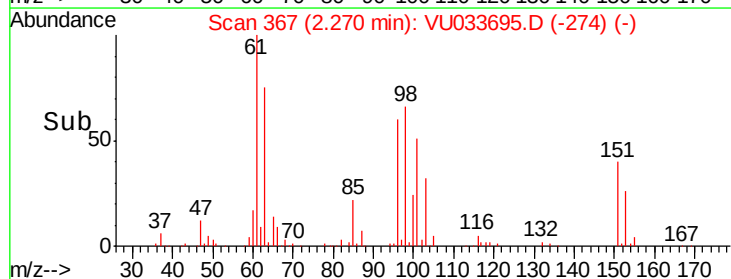
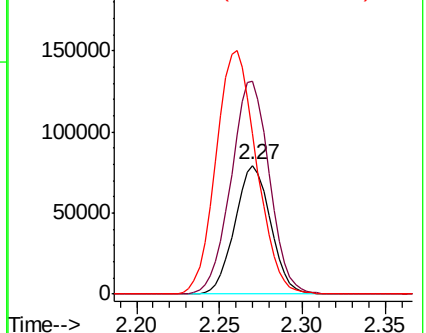
63 124.1 90.7 168.5

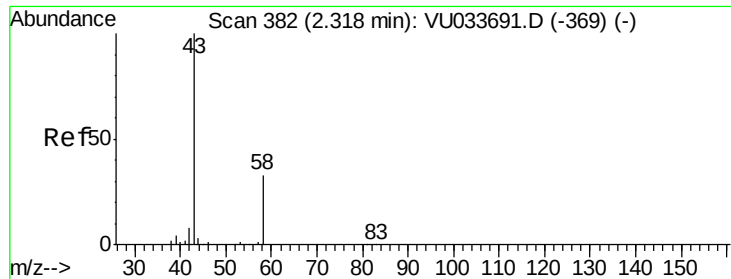


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 81.867 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

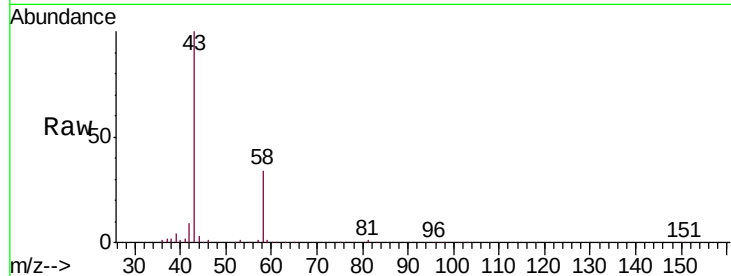
VSTD05056

Tgt Ion: 43 Resp: 158584

Ion Ratio Lower Upper

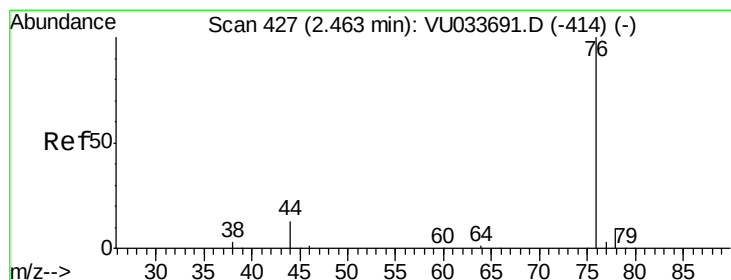
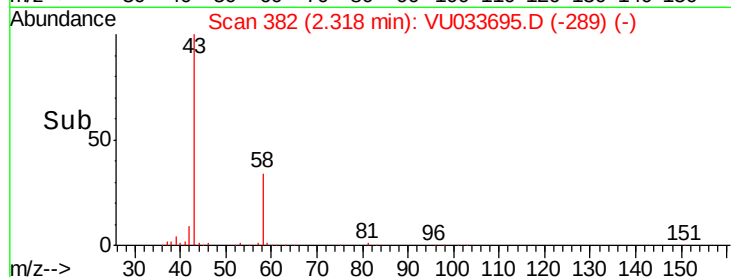
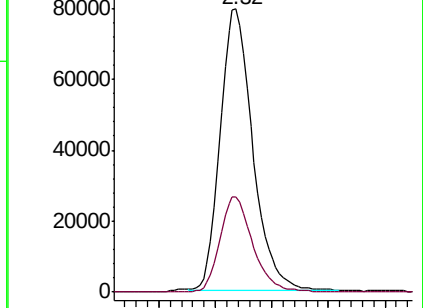
43 100

58 34.3 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU033695.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU033695.D (-369) (-)



#14

Carbon disulfide

Concen: 48.737 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033695.D

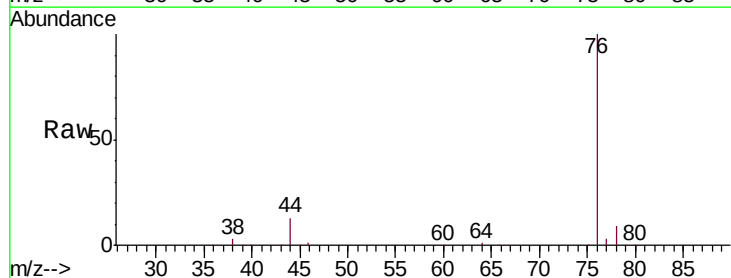
Acq: 09 Aug 2019 19:46

Tgt Ion: 76 Resp: 339642

Ion Ratio Lower Upper

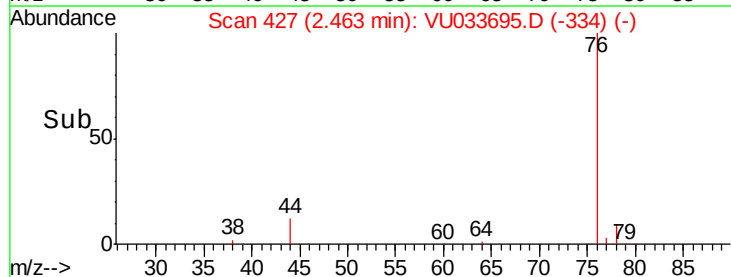
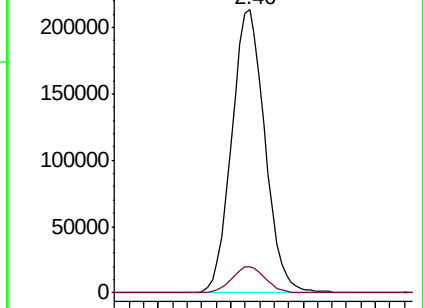
76 100

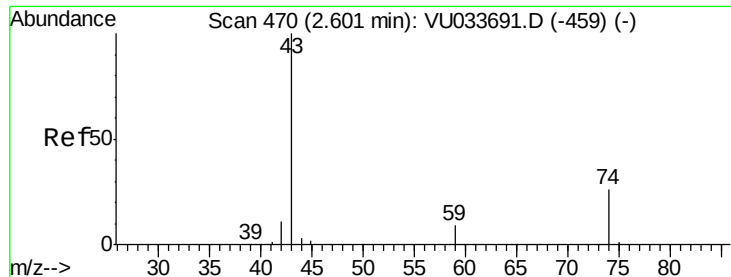
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033695.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU033695.D (-334) (-)

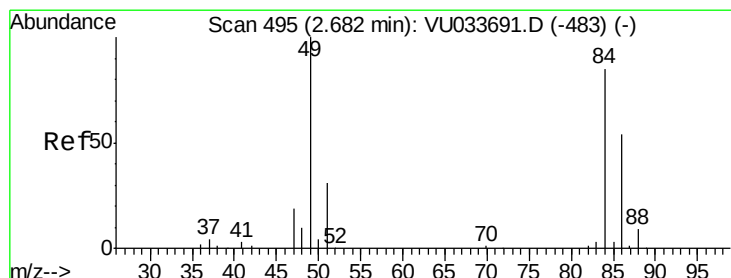
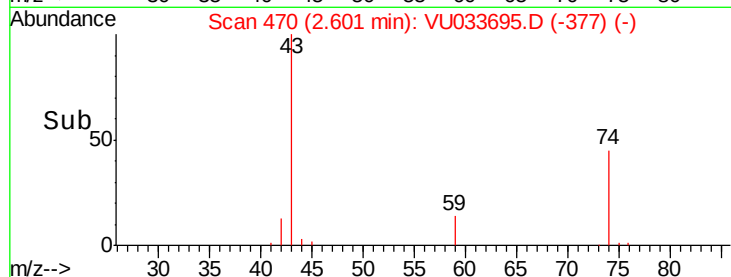
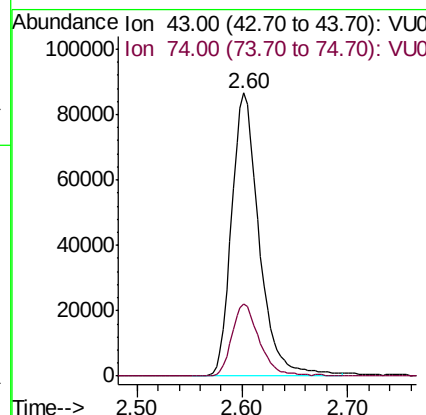
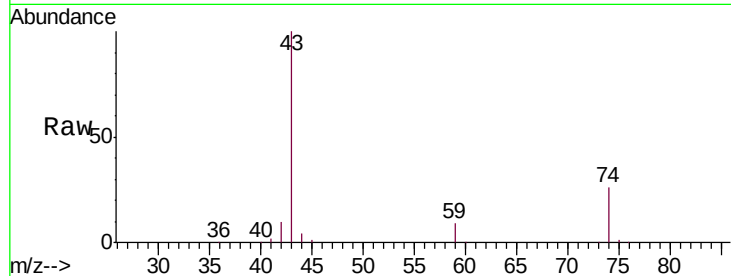




#15
Methyl Acetate
Concen: 48.383 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

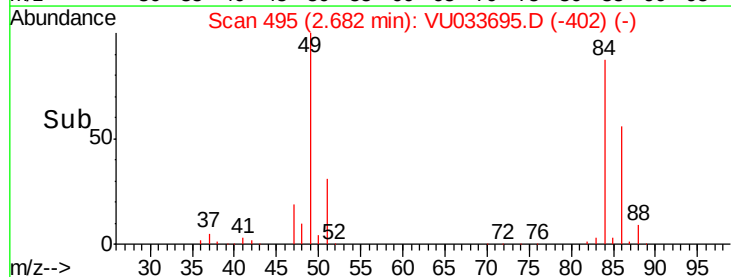
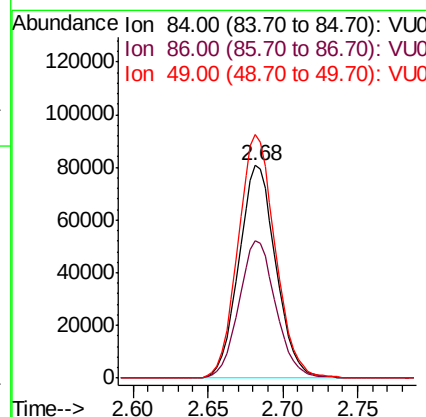
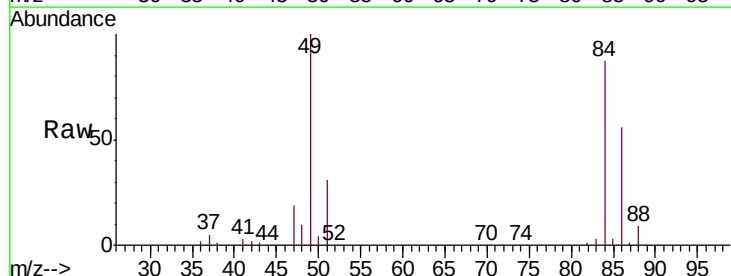
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

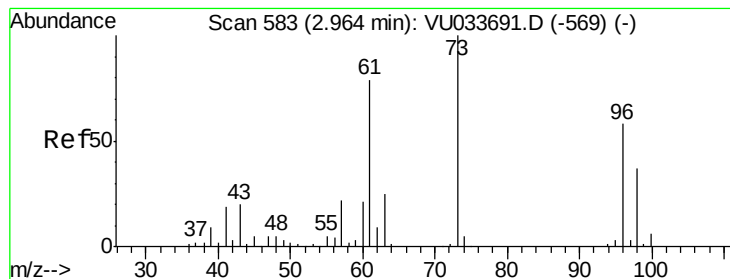
Tgt Ion: 43 Resp: 156156
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2



#16
Methylene chloride
Concen: 48.293 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion: 84 Resp: 139106
Ion Ratio Lower Upper
84 100
86 64.7 44.3 82.3
49 114.6 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 47.874 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

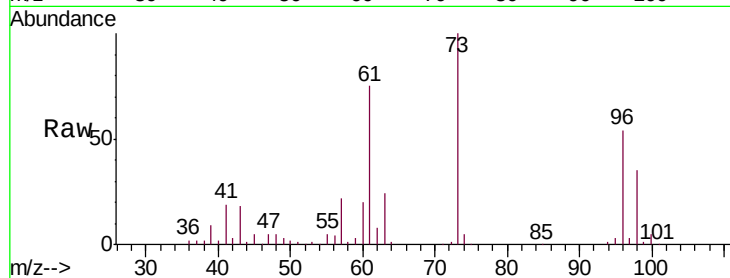
Tgt Ion: 96 Resp: 127376

Ion Ratio Lower Upper

96 100

61 137.4 95.6 177.6

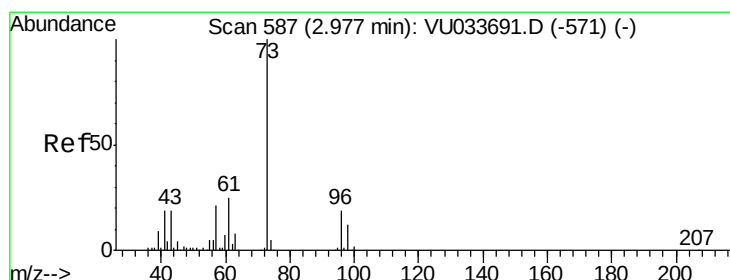
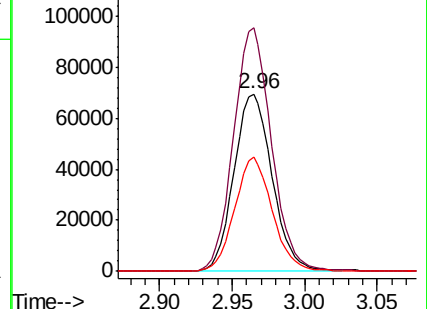
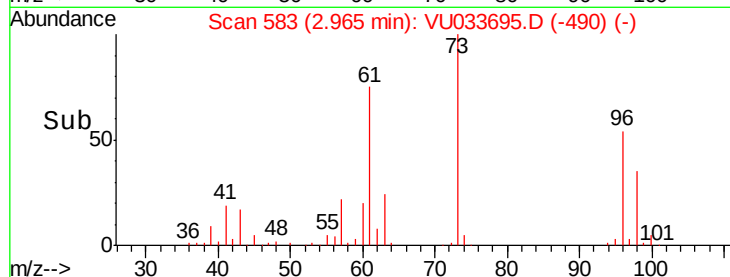
98 64.2 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033695.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033695.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033695.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.455 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

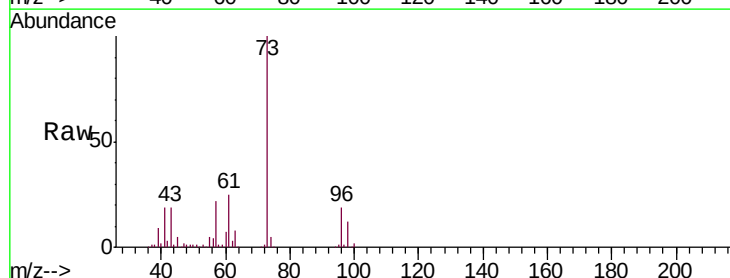
Tgt Ion: 73 Resp: 421669

Ion Ratio Lower Upper

73 100

43 18.7 15.1 22.7

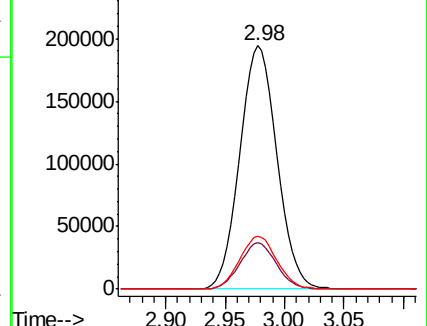
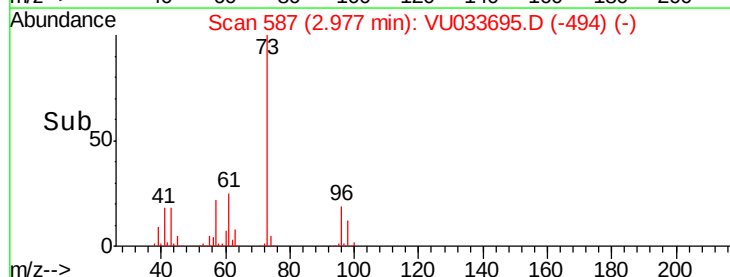
57 21.7 17.4 26.0

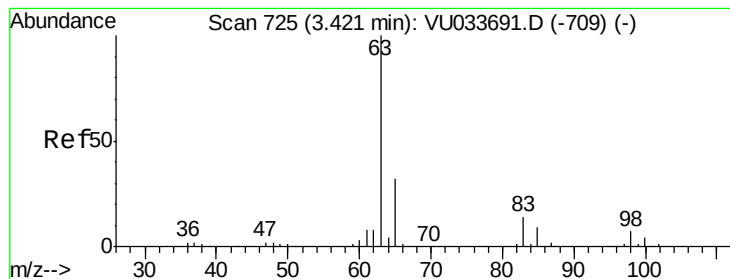


Abundance Ion 73.00 (72.70 to 73.70): VU033695.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033695.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033695.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 47.753 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampled :

VSTD05056

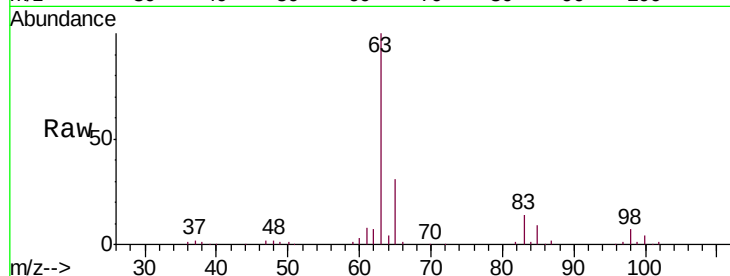
Tgt Ion: 63 Resp: 239771

Ion Ratio Lower Upper

63 100

65 31.5 22.3 41.3

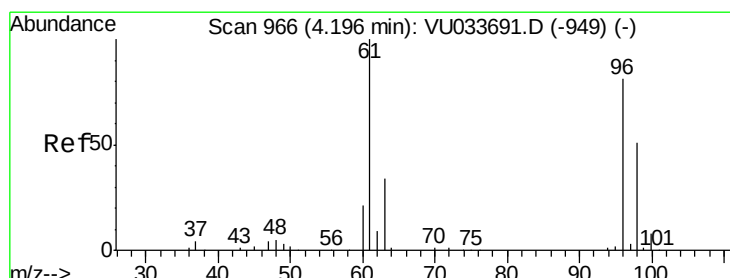
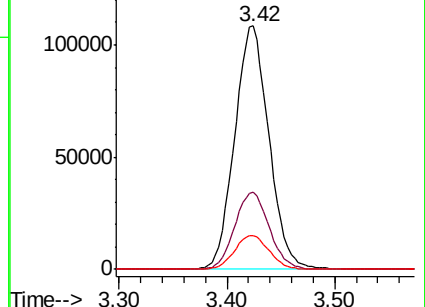
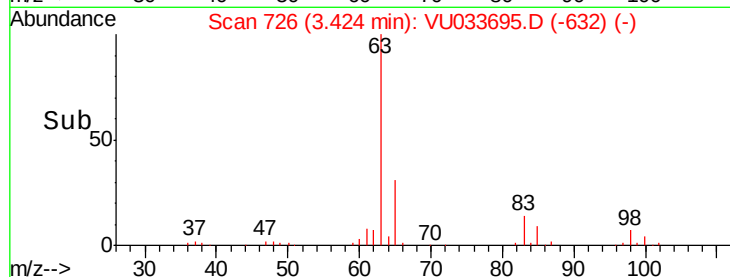
83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU033695.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033695.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033695.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.730 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

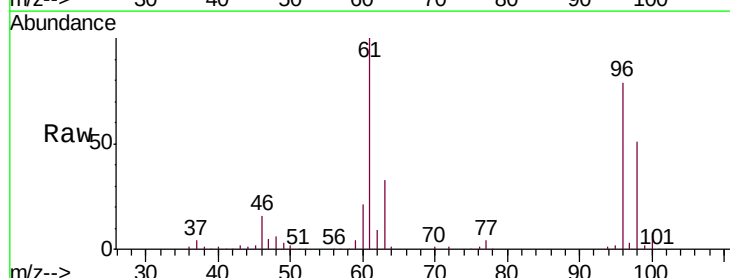
Tgt Ion: 96 Resp: 147890

Ion Ratio Lower Upper

96 100

61 125.8 87.0 161.6

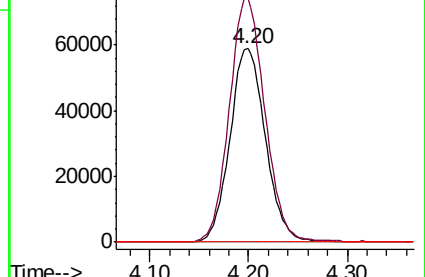
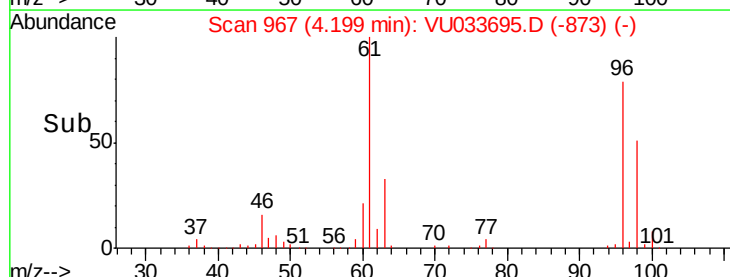
68 0.0 0.0 0.0

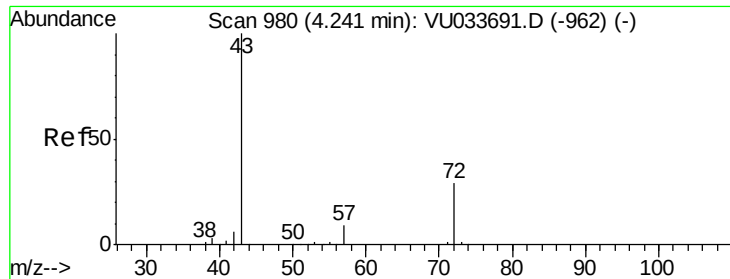


Abundance Ion 96.00 (95.70 to 96.70): VU033695.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033695.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033695.D (-873) (-)





#22

2-Butanone

Concen: 99.227 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

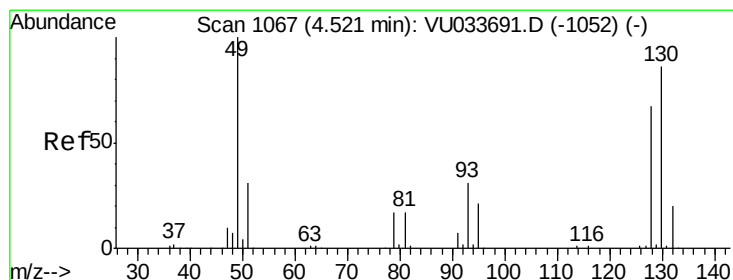
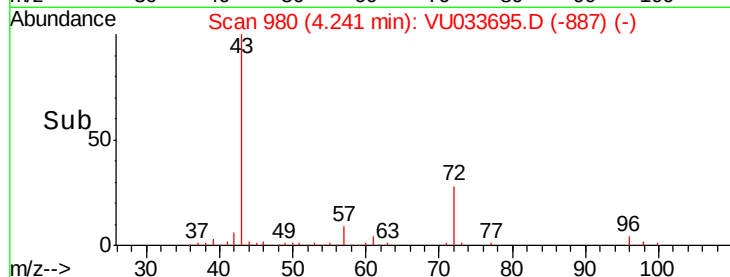
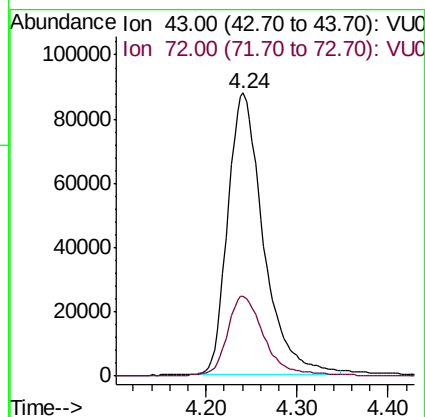
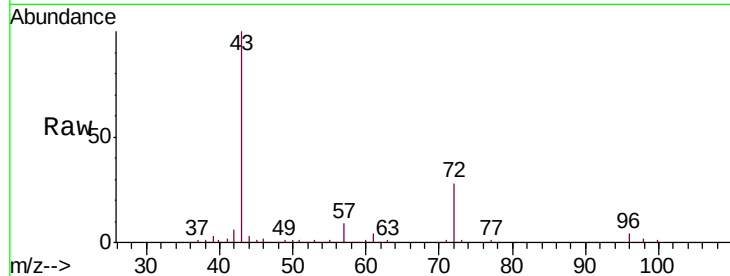
VSTD05056

Tgt Ion: 43 Resp: 239232

Ion Ratio Lower Upper

43 100

72 29.6 15.2 45.6



#23

Bromochloromethane

Concen: 48.902 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Tgt Ion: 128 Resp: 76361

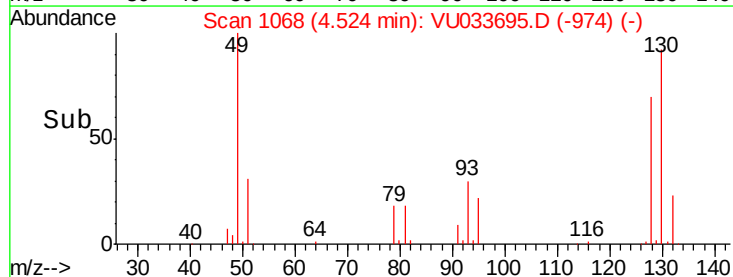
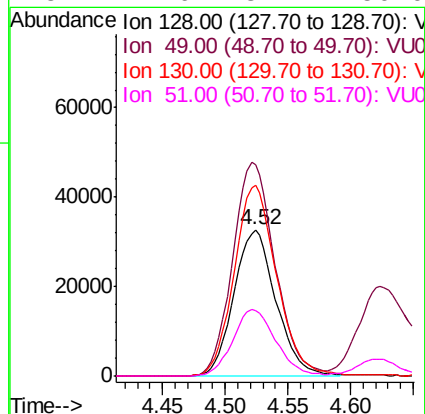
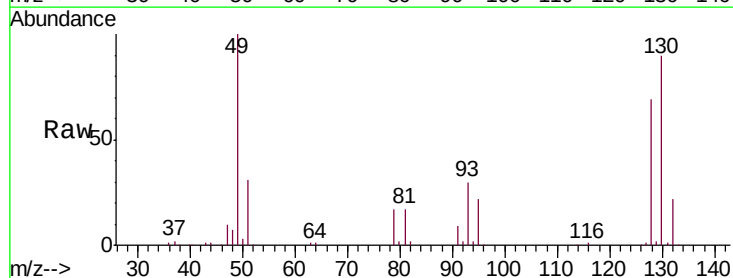
Ion Ratio Lower Upper

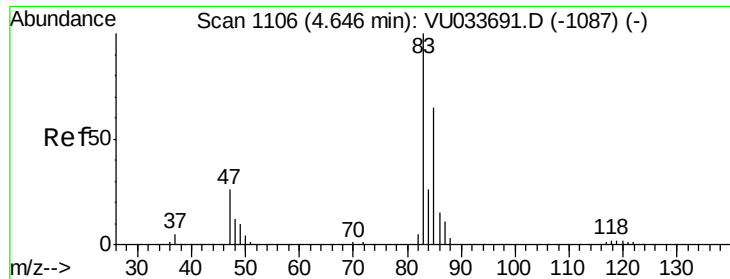
128 100

49 144.8 104.7 194.4

130 130.4 89.6 166.4

51 44.6 37.4 56.0

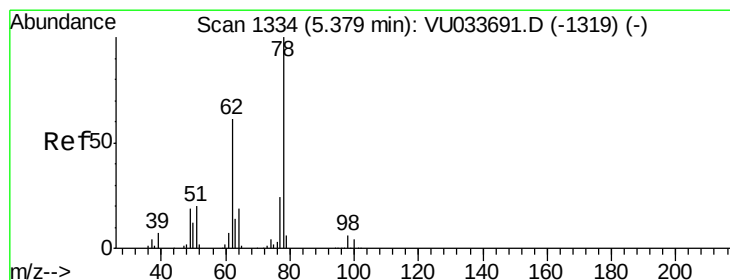
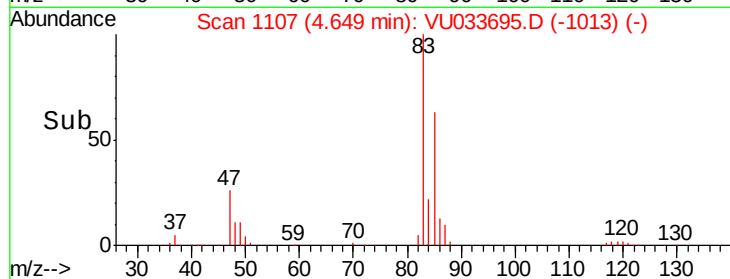
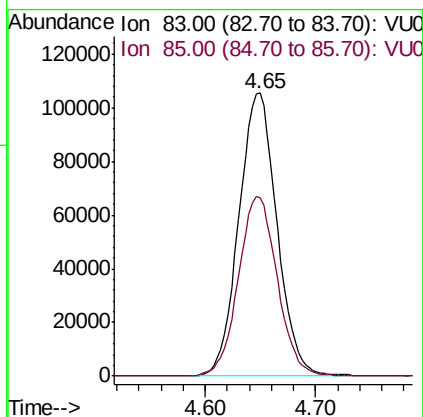
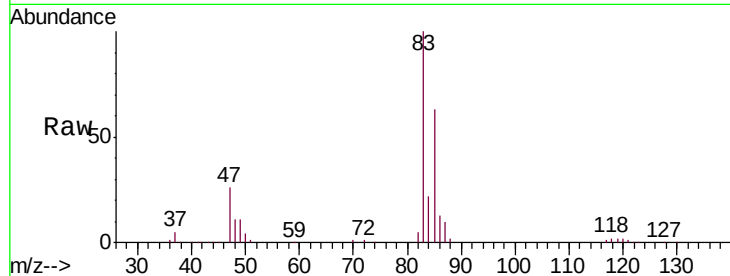




#25
Chloroform
Concen: 48.177 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

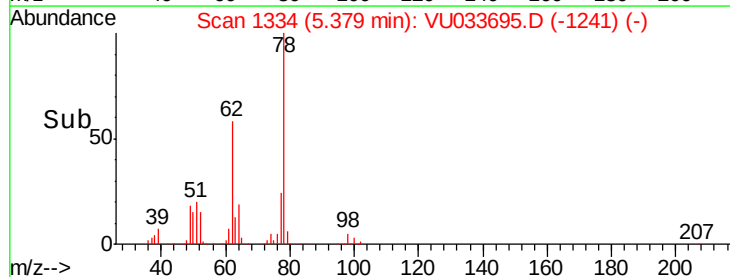
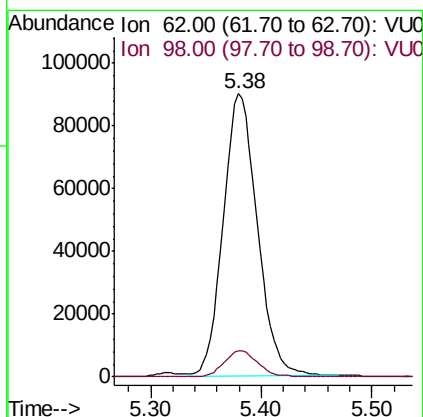
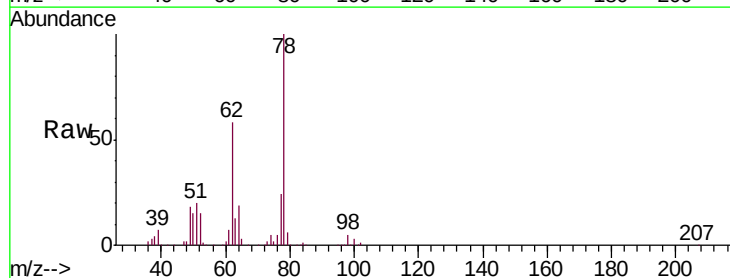
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

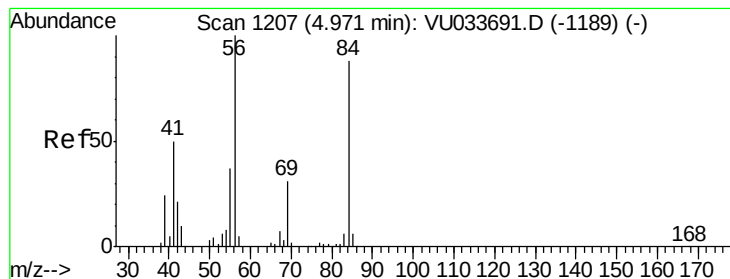
Tgt Ion: 83 Resp: 252337
Ion Ratio Lower Upper
83 100
85 63.1 45.9 85.3



#27
1,2-Dichloroethane
Concen: 48.532 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion: 62 Resp: 193599
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 48.179 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

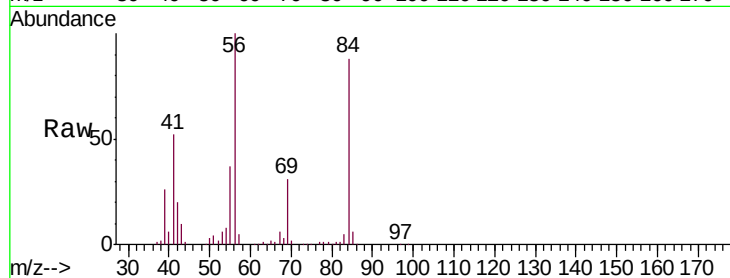
Tgt Ion: 56 Resp: 206209

Ion Ratio Lower Upper

56 100

69 31.5 25.3 37.9

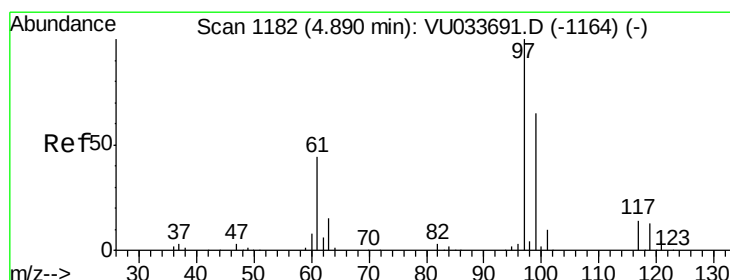
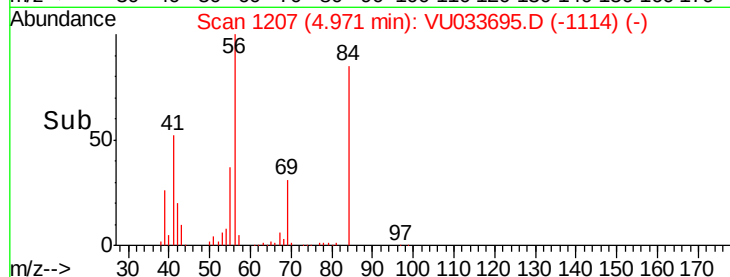
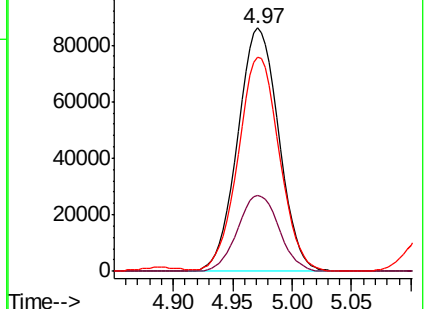
84 88.4 71.8 107.8



Abundance Ion 56.00 (55.70 to 56.70): VU033695.D (-1189) (-)

Ion 69.00 (68.70 to 69.70): VU033695.D (-1189) (-)

Ion 84.00 (83.70 to 84.70): VU033695.D (-1189) (-)



#30

1,1,1-Trichloroethane

Concen: 48.383 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

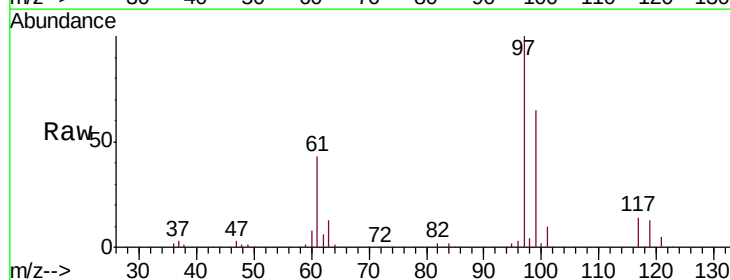
Tgt Ion: 97 Resp: 212946

Ion Ratio Lower Upper

97 100

99 64.3 52.0 78.0

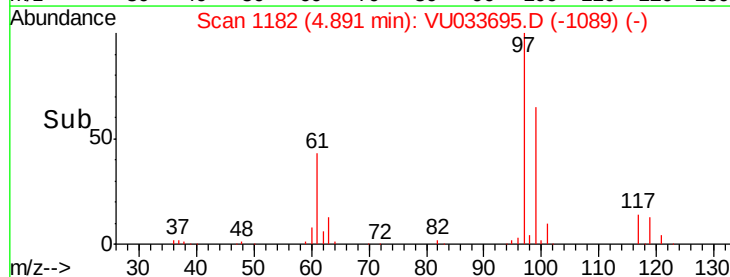
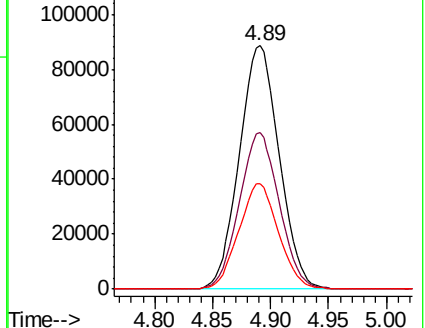
61 43.1 35.0 52.4

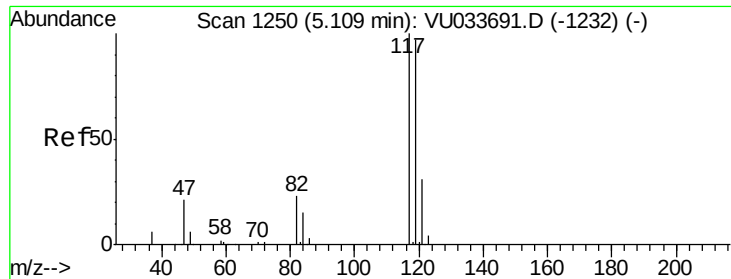


Abundance Ion 97.00 (96.70 to 97.70): VU033695.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU033695.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU033695.D (-1089) (-)

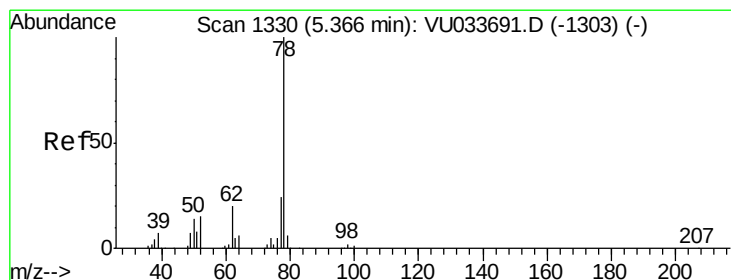
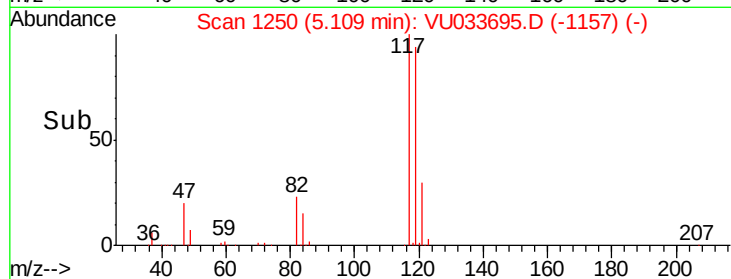
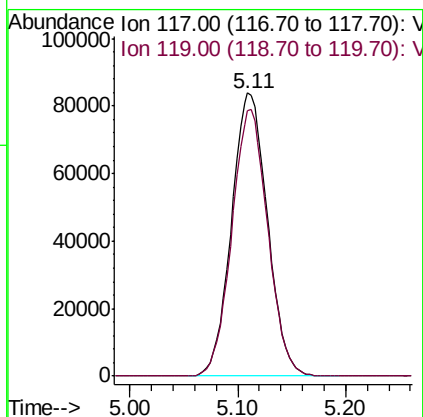
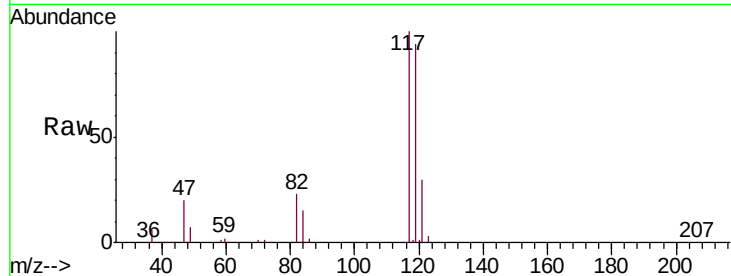




#31
Carbon tetrachloride
Concen: 49.056 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

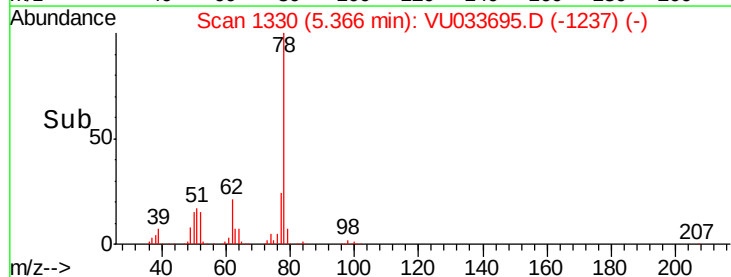
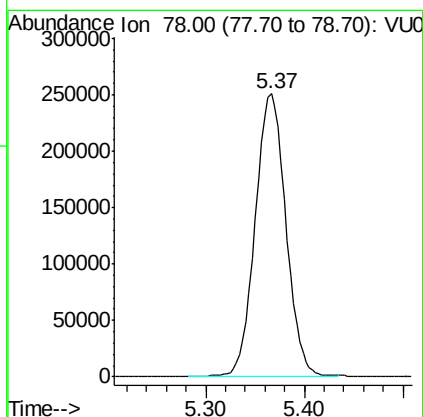
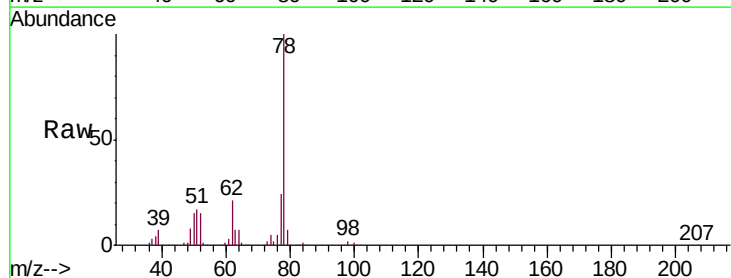
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

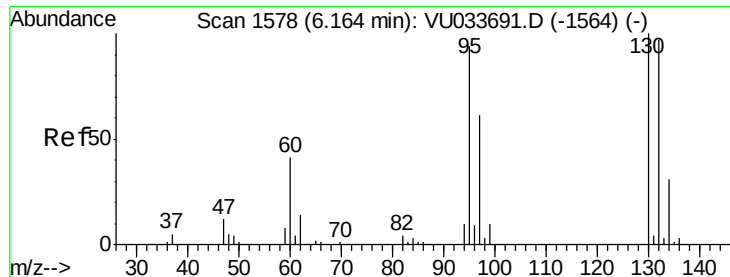
Tgt Ion:117 Resp: 193711
Ion Ratio Lower Upper
117 100
119 94.2 78.2 117.4



#33
Benzene
Concen: 47.868 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion: 78 Resp: 540297





#34

Trichloroethene

Concen: 47.632 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 95 Resp: 141861

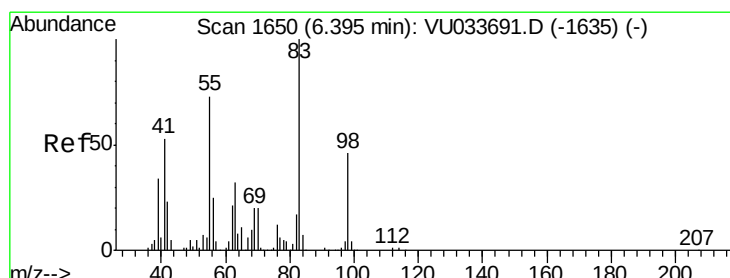
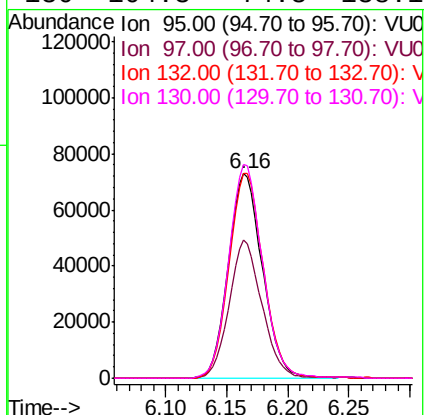
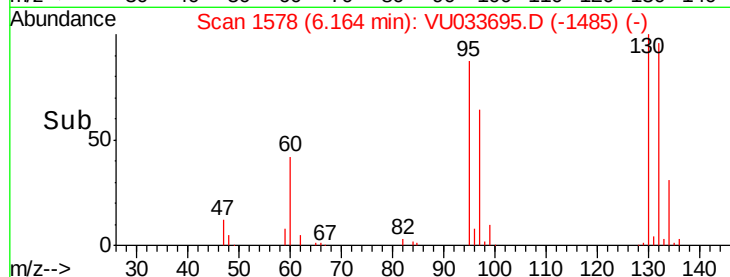
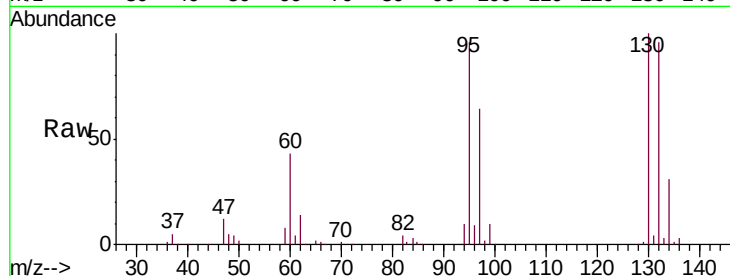
Ion Ratio Lower Upper

95 100

97 67.3 45.6 84.8

132 100.1 72.0 133.8

130 104.3 74.3 138.1



#35

Methylcyclohexane

Concen: 49.106 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

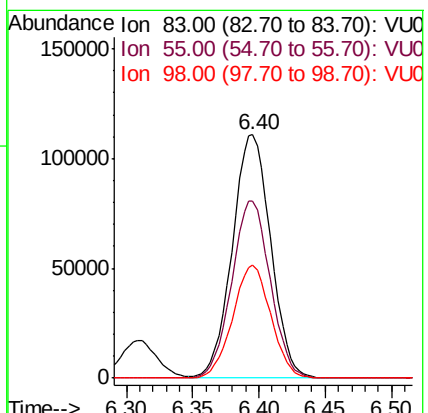
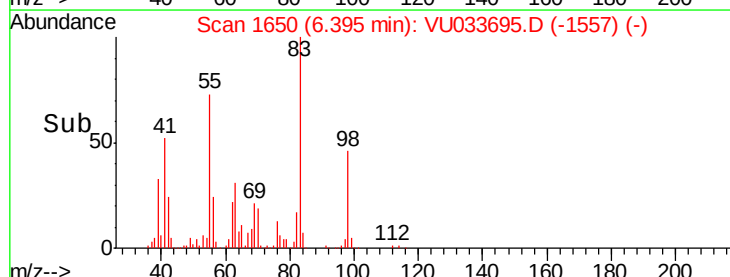
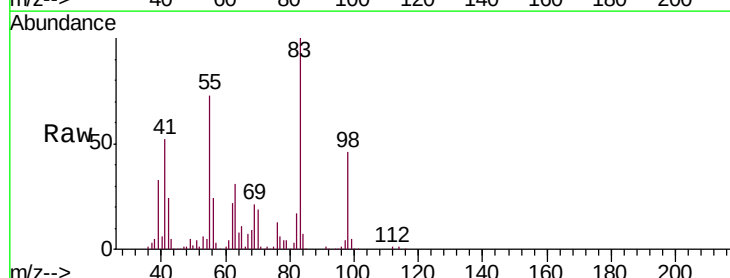
Tgt Ion: 83 Resp: 222617

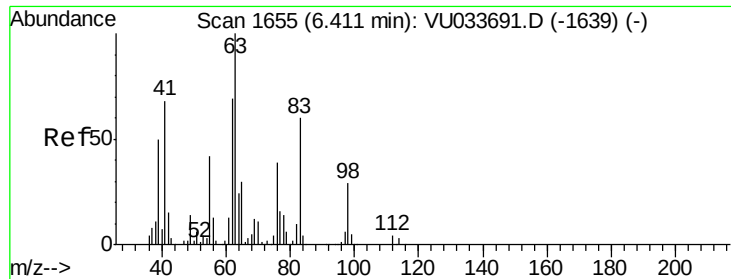
Ion Ratio Lower Upper

83 100

55 73.1 58.1 87.1

98 46.2 36.8 55.2

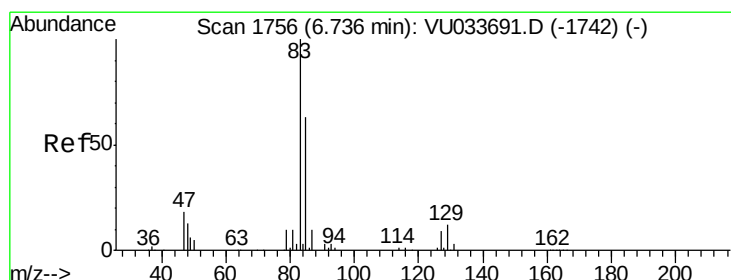
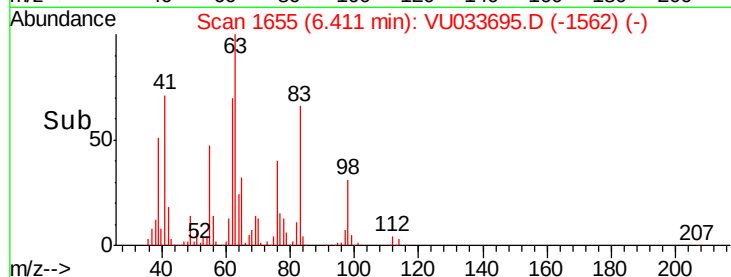
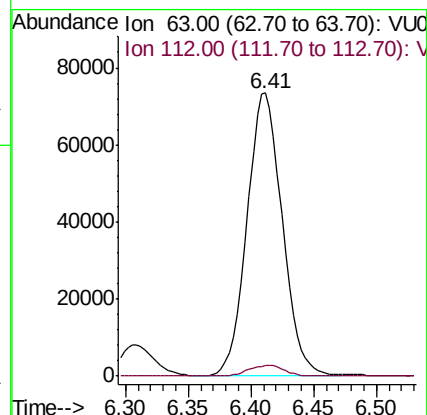
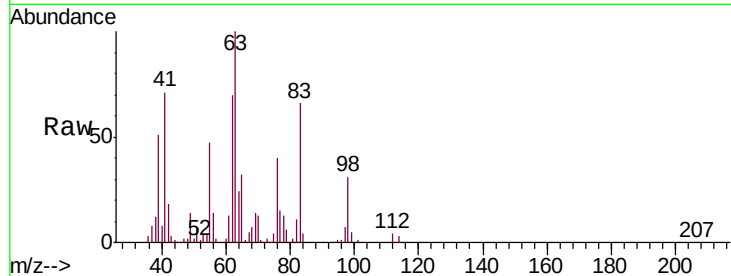




#37
 1,2-Dichloropropane
 Concen: 47.577 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

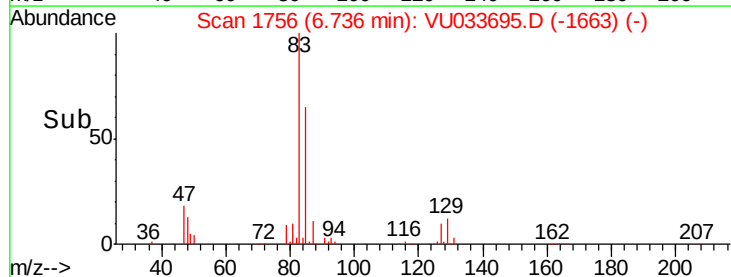
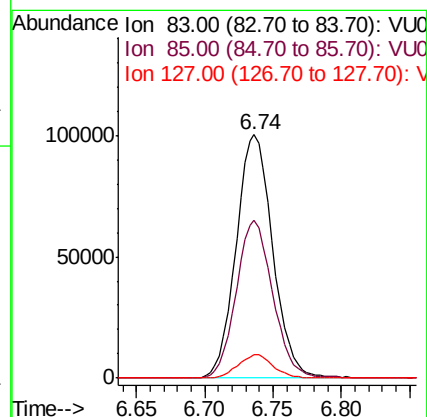
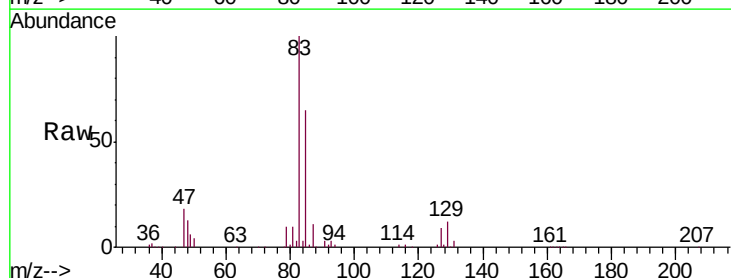
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

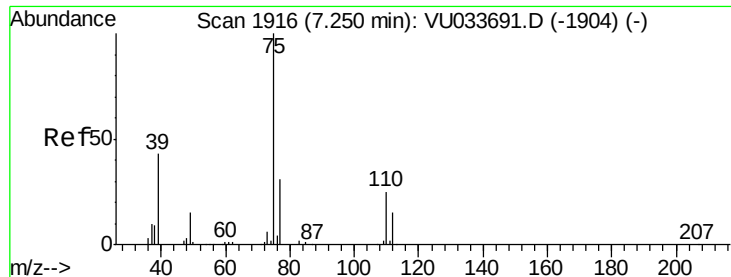
Tgt Ion: 63 Resp: 143318
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 48.354 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

Tgt Ion: 83 Resp: 187163
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.2 82.0
 127 9.5 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 49.739 ug/L

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

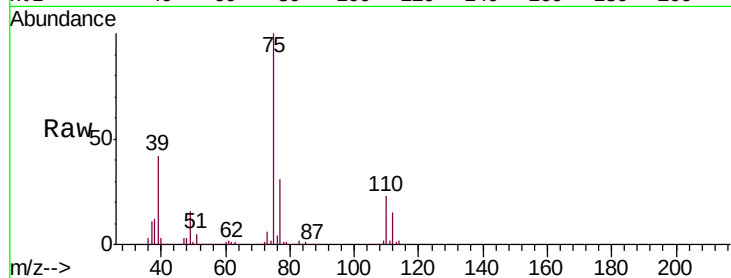
VSTD05056

Tgt Ion: 75 Resp: 238107

Ion Ratio Lower Upper

75 100

77 30.7 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VU033695.D (-1823) (-)

Ion 77.00 (76.70 to 77.70): VU033695.D (-1823) (-)

7.25

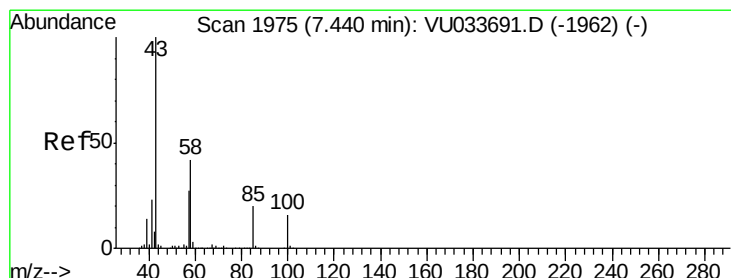
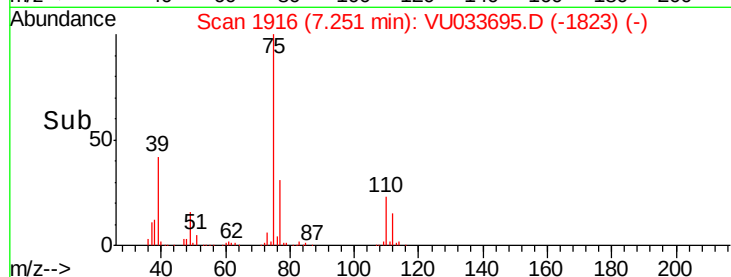
150000

100000

50000

0

Time--> 7.10 7.20 7.30



#40

4-Methyl-2-pentanone

Concen: 98.309 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

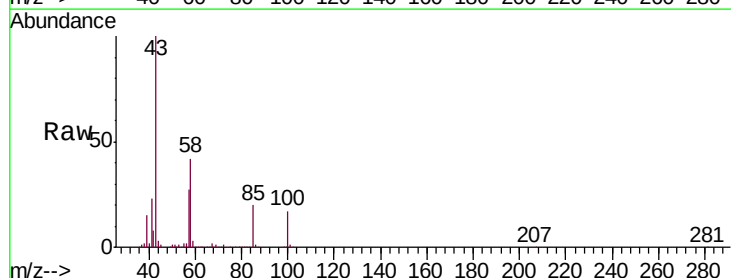
Tgt Ion: 43 Resp: 440423

Ion Ratio Lower Upper

43 100

58 41.8 33.4 50.0

100 16.5 13.2 19.8



Abundance Ion 43.00 (42.70 to 43.70): VU033695.D (-1882) (-)

Ion 58.00 (57.70 to 58.70): VU033695.D (-1882) (-)

Ion 100.00 (99.70 to 100.70): VU033695.D (-1882) (-)

7.44

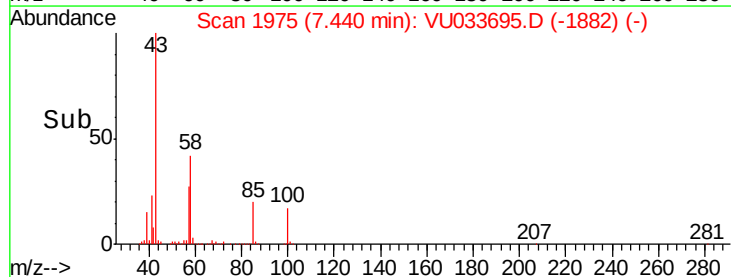
300000

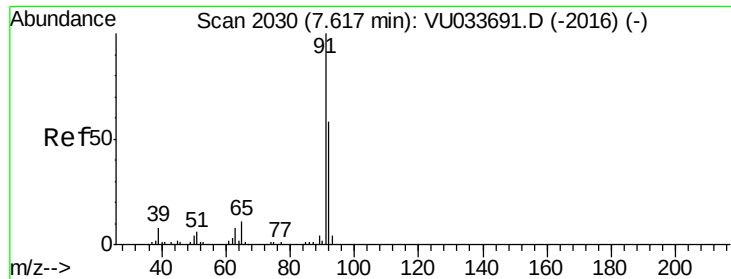
200000

100000

0

Time--> 7.35 7.40 7.45 7.50 7.55





#42

Toluene

Concen: 48.796 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

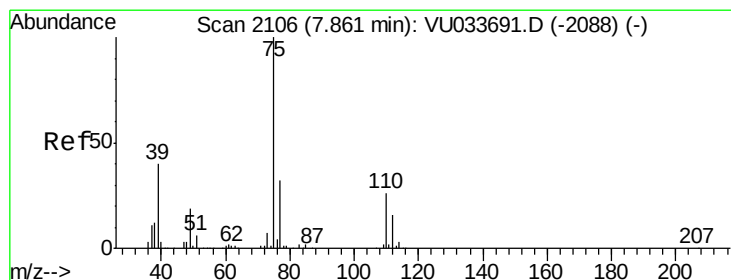
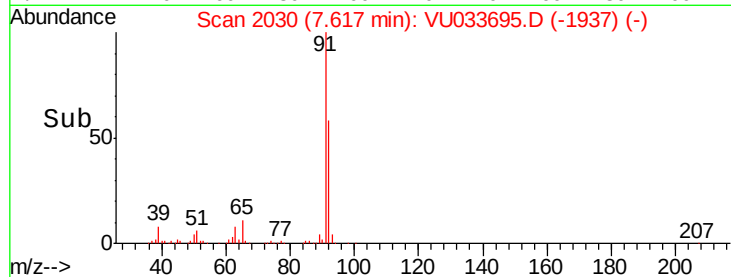
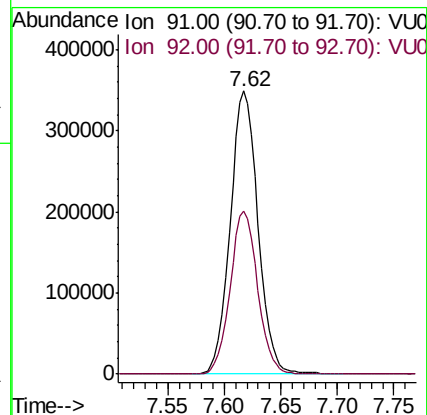
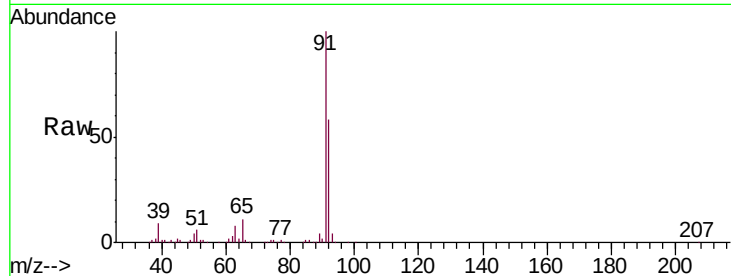
VSTD05056

Tgt Ion: 91 Resp: 595850

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 49.779 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033695.D

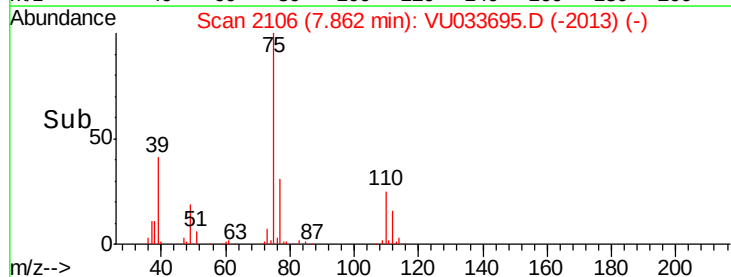
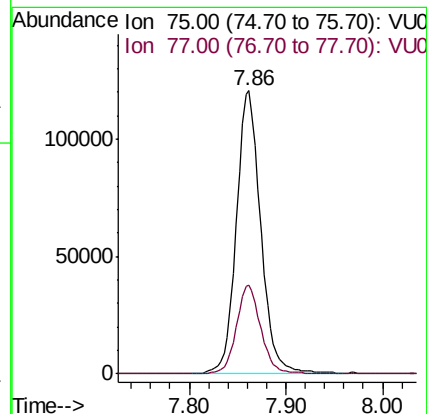
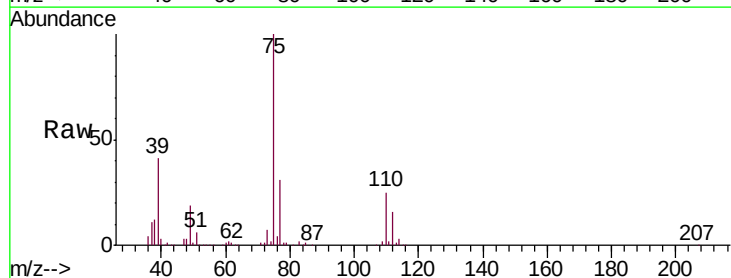
Acq: 09 Aug 2019 19:46

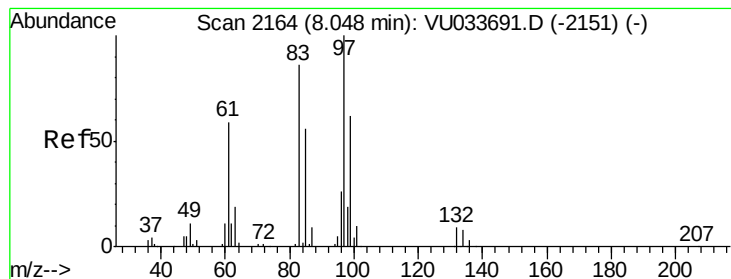
Tgt Ion: 75 Resp: 212287

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 47.965 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tgt Ion: 97 Resp: 141247

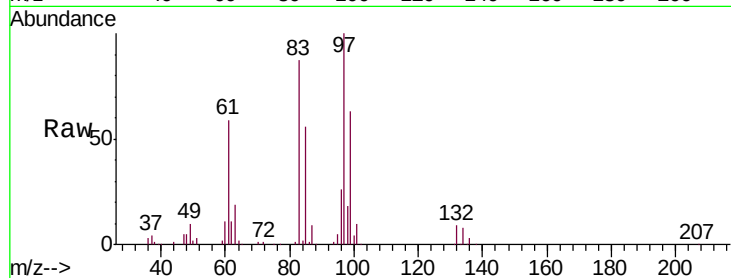
Ion Ratio Lower Upper

97 100

99 63.0 43.3 80.5

83 87.0 60.5 112.5

85 56.0 38.9 72.3

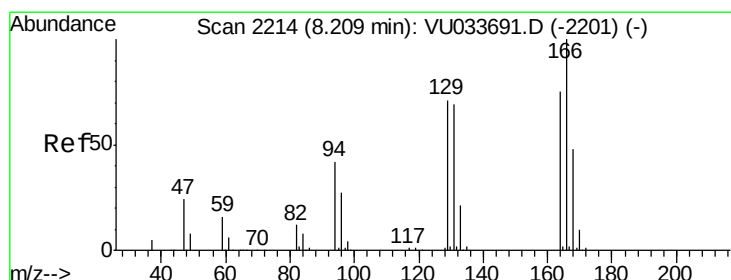
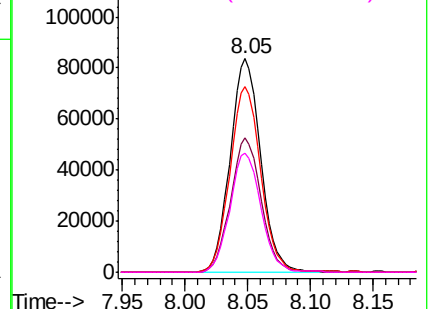
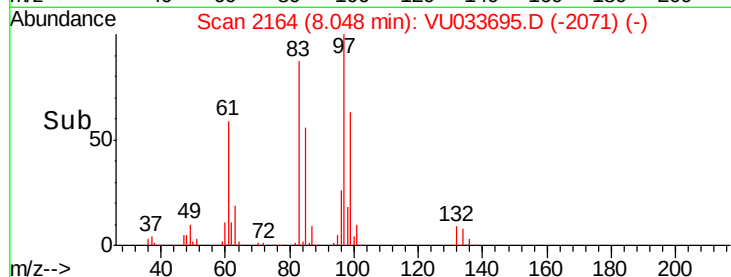


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.070 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Tgt Ion: 164 Resp: 120469

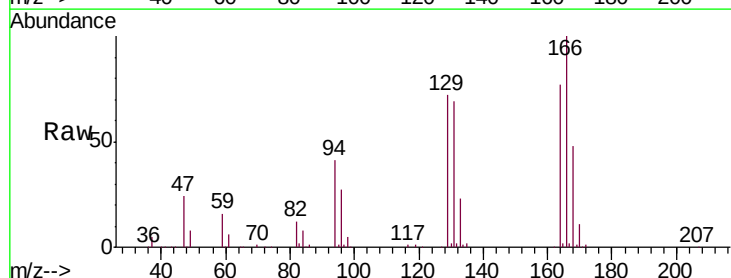
Ion Ratio Lower Upper

164 100

129 93.1 65.5 121.7

131 89.6 63.6 118.0

166 129.8 92.7 172.3

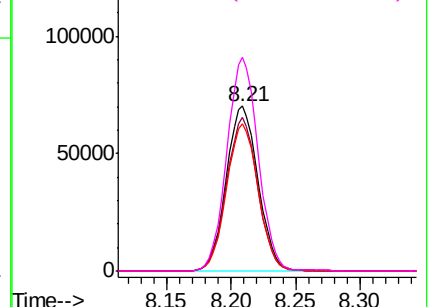
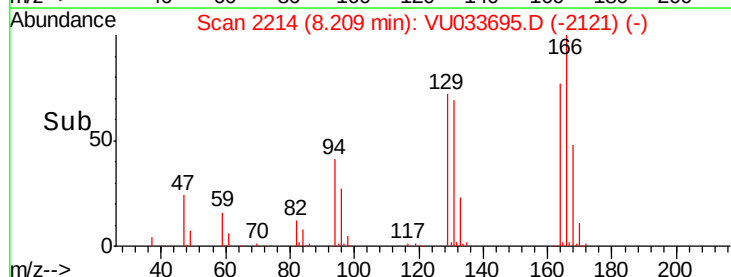


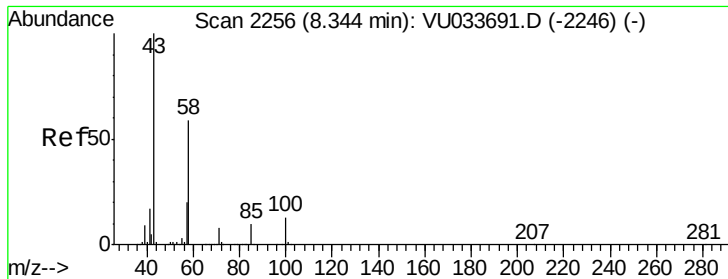
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

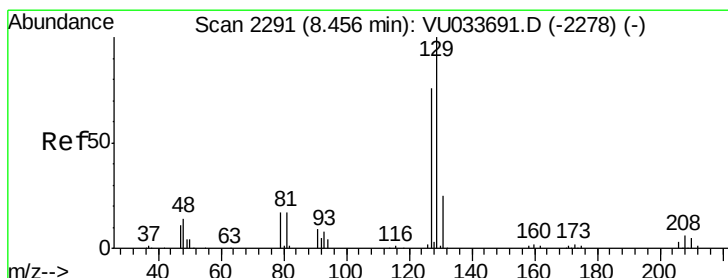
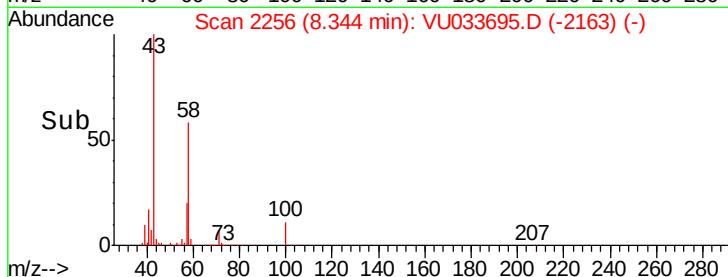
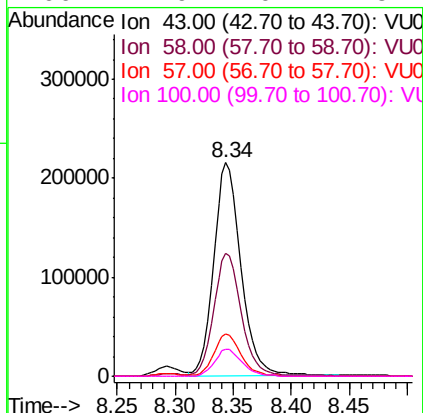
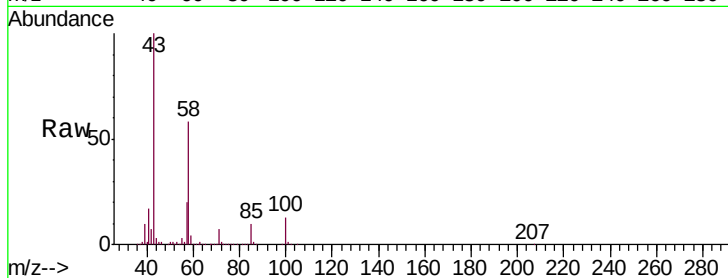




#48
2-Hexanone
Concen: 100.101 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

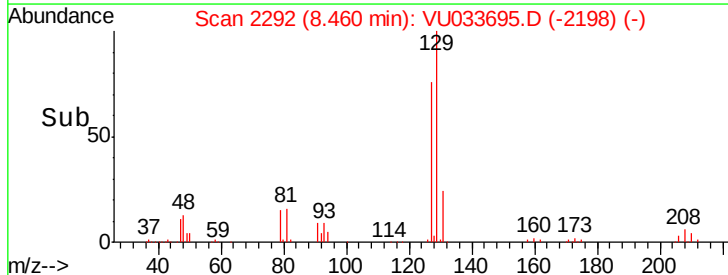
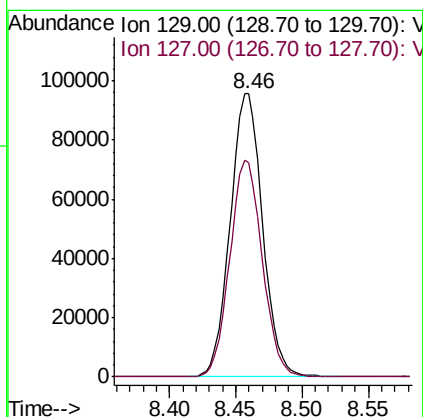
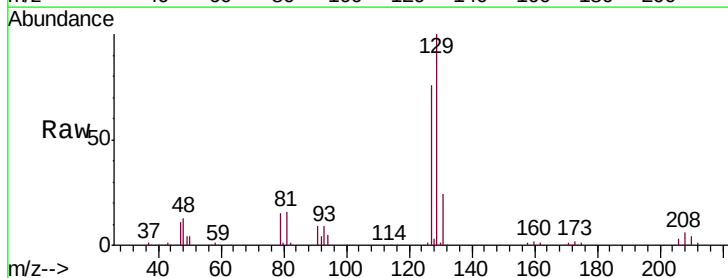
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

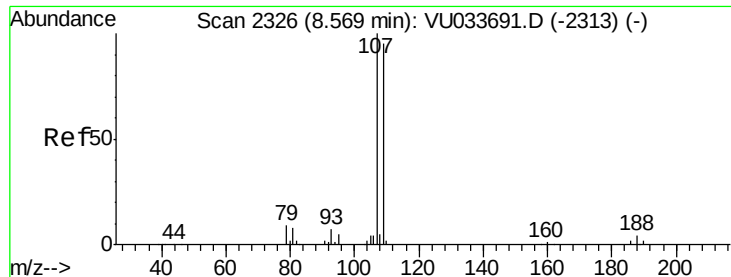
Tgt Ion:	43	Resp:	353109
Ion	Ratio	Lower	Upper
43	100		
58	58.0	46.6	70.0
57	19.3	16.2	24.4
100	12.9	10.1	15.1



#49
Dibromochloromethane
Concen: 49.252 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion:	129	Resp:	162511
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.3	98.9

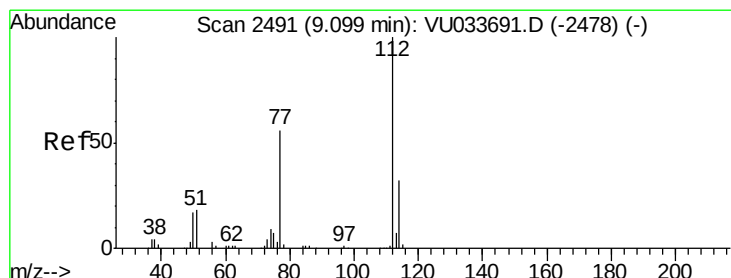
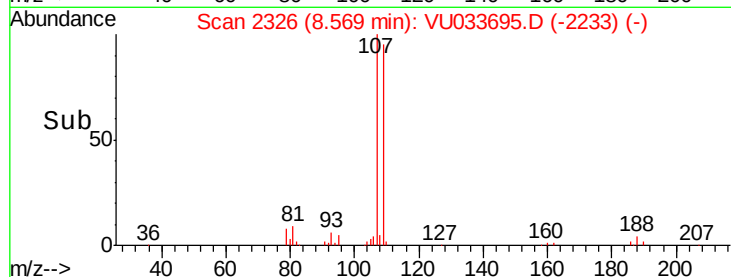
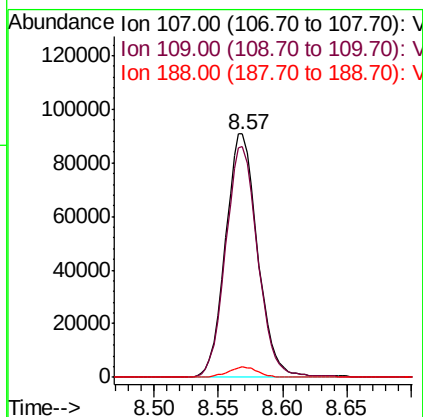
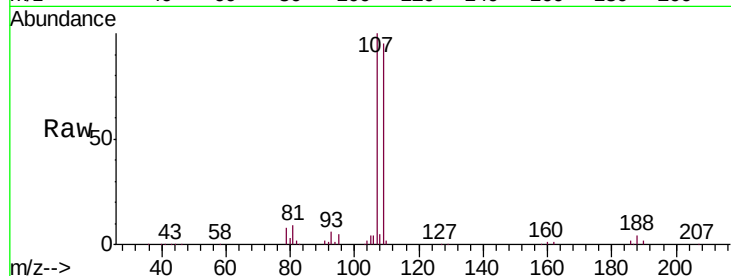




#50
1,2-Dibromoethane
Concen: 48.181 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

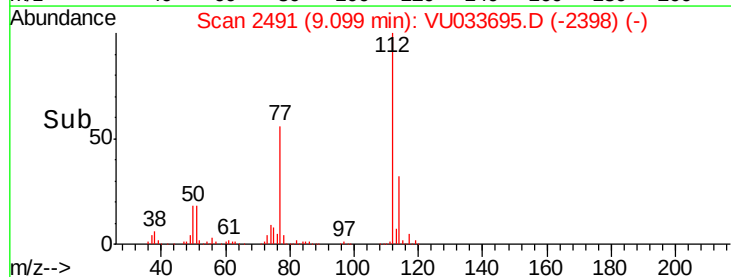
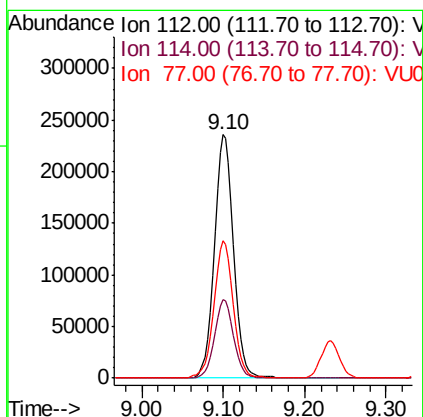
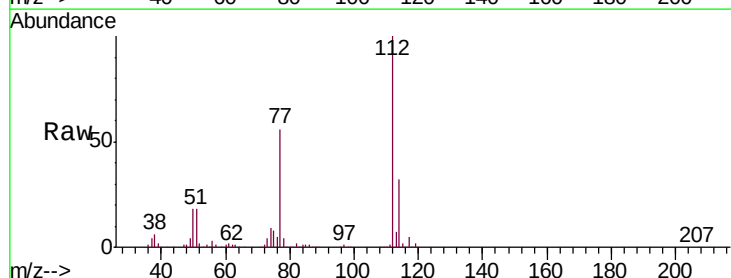
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

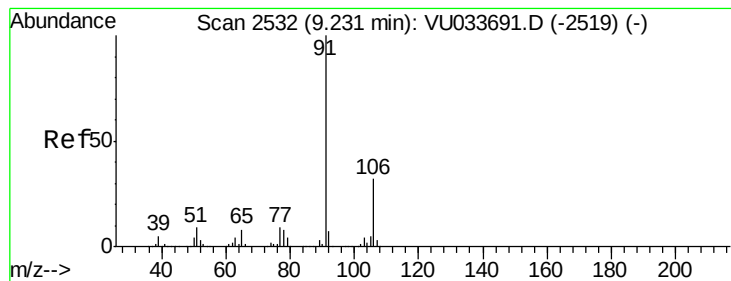
Tgt Ion:107 Resp: 156871
Ion Ratio Lower Upper
107 100
109 95.0 66.4 123.4
188 4.2 3.2 4.8



#51
Chlorobenzene
Concen: 48.682 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion:112 Resp: 390760
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 56.4 45.3 67.9





#52

Ethylbenzene

Concen: 49.036 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

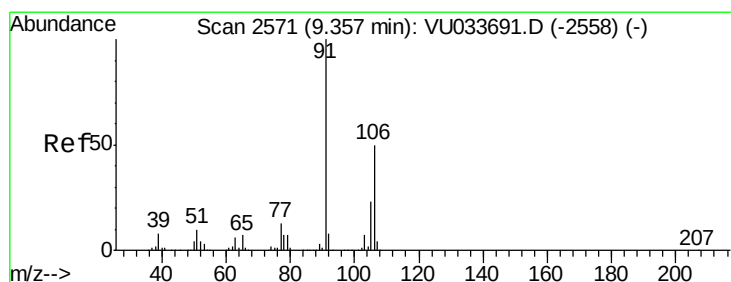
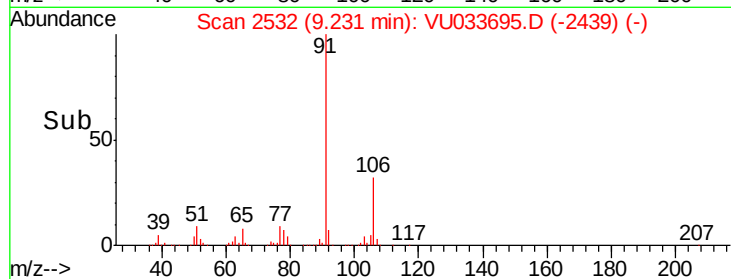
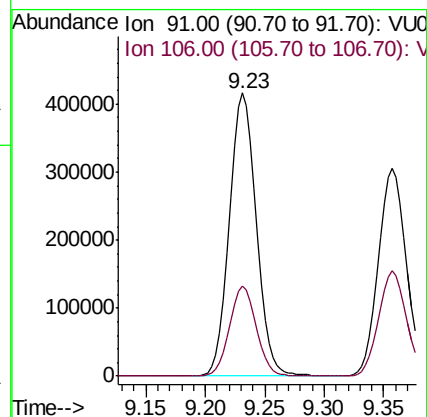
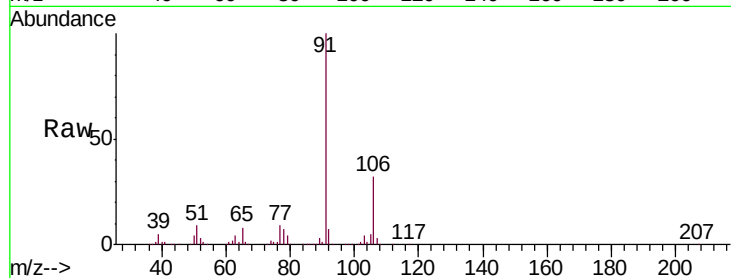
VSTD05056

Tgt Ion: 91 Resp: 655012

Ion Ratio Lower Upper

91 100

106 31.7 22.5 41.7



#53

m,p-Xylene

Concen: 48.876 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033695.D

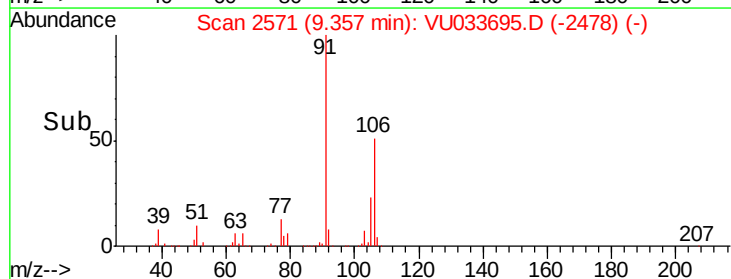
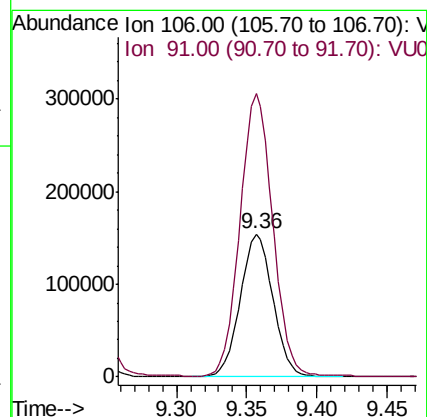
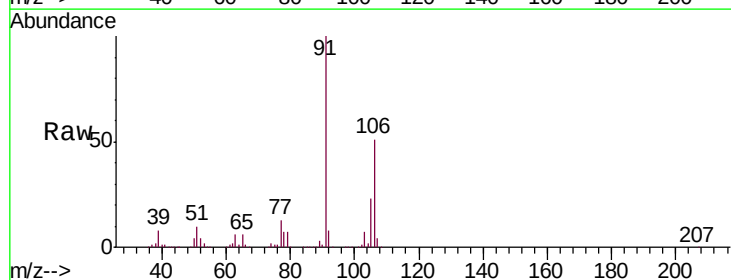
Acq: 09 Aug 2019 19:46

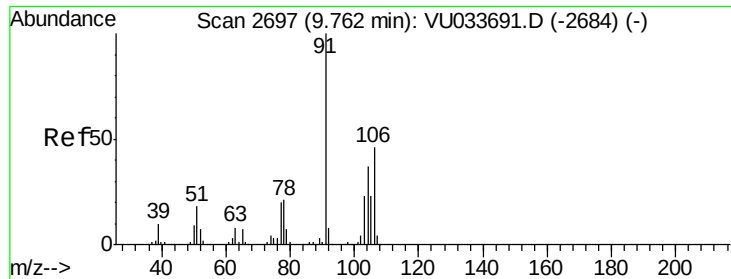
Tgt Ion: 106 Resp: 249217

Ion Ratio Lower Upper

106 100

91 198.0 138.8 257.8

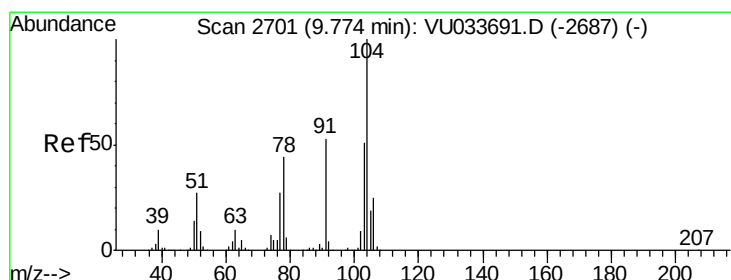
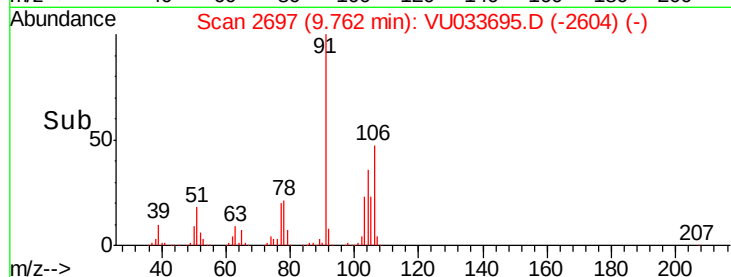
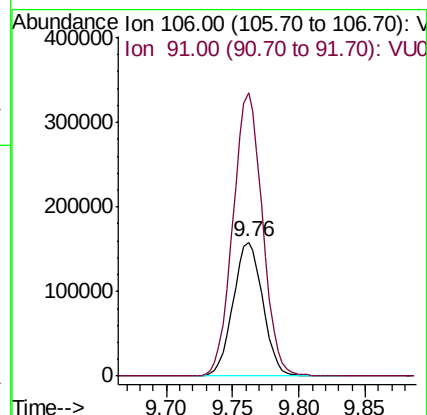
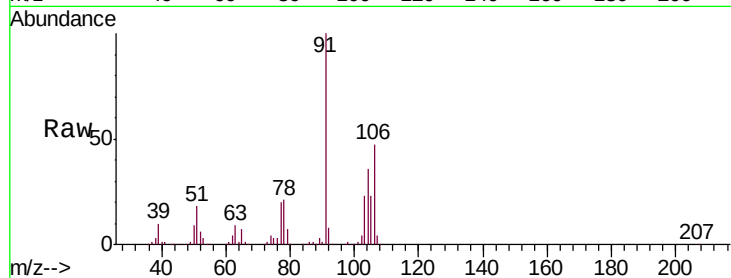




#54
o-xylene
Concen: 48.999 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

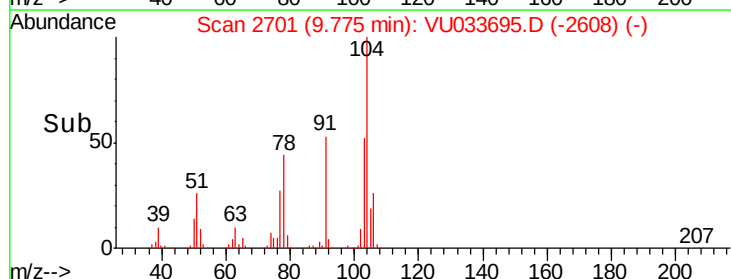
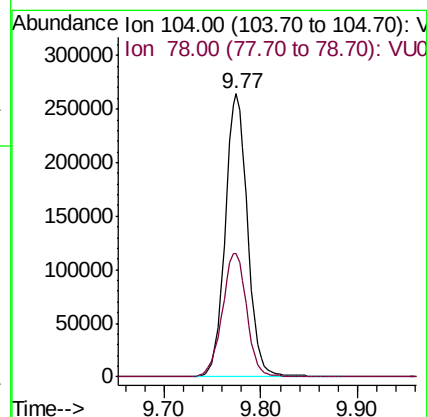
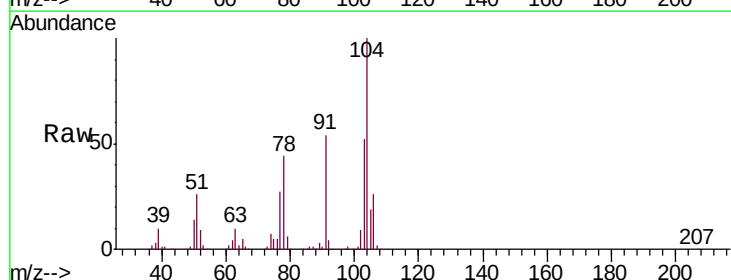
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

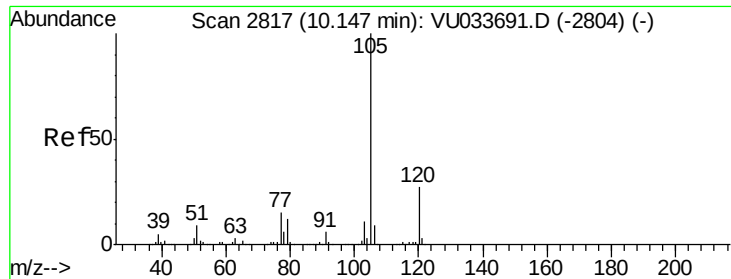
Tgt Ion:106 Resp: 246947
Ion Ratio Lower Upper
106 100
91 211.3 150.9 280.3



#55
Styrene
Concen: 49.928 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033695.D
Acq: 09 Aug 2019 19:46

Tgt Ion:104 Resp: 422248
Ion Ratio Lower Upper
104 100
78 43.8 31.0 57.6





#56

Isopropylbenzene

Concen: 48.958 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

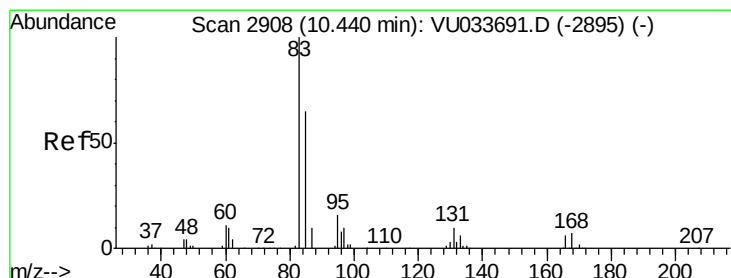
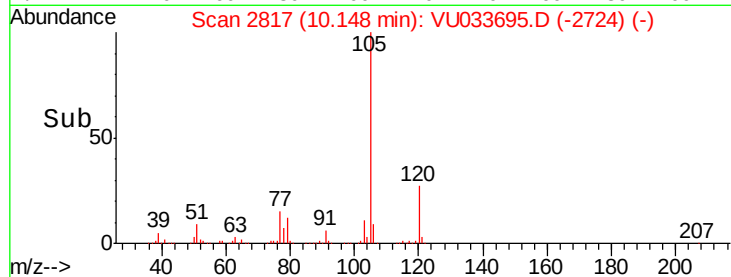
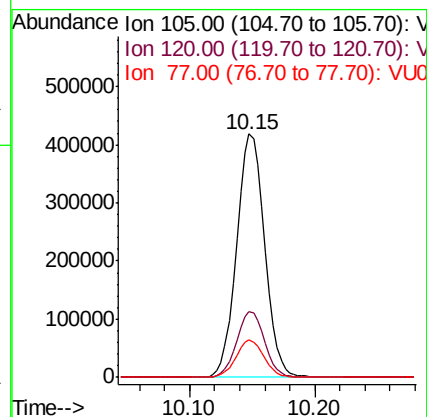
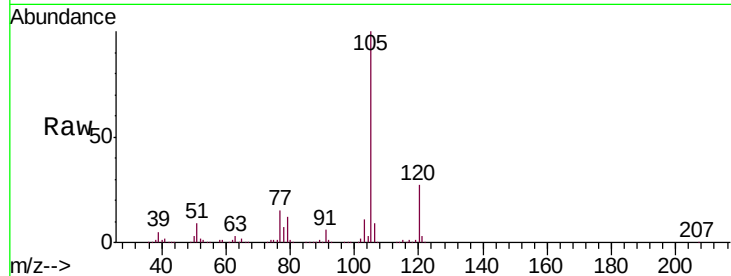
Tgt Ion: 105 Resp: 647513

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

77 15.2 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 48.293 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

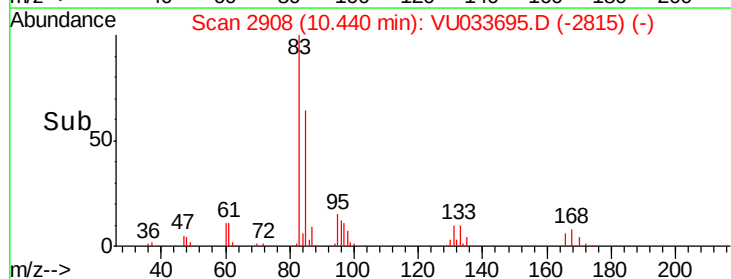
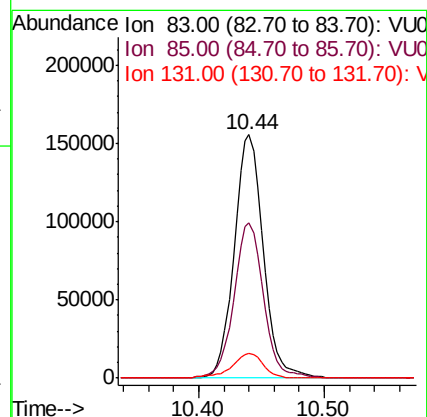
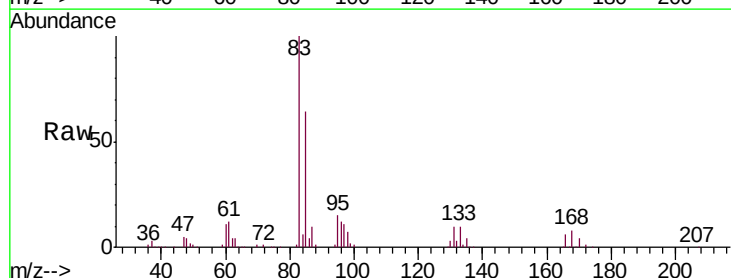
Tgt Ion: 83 Resp: 249824

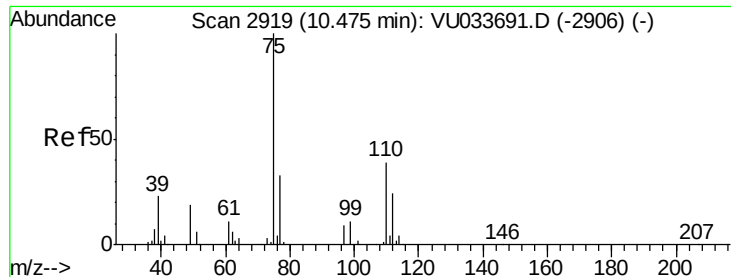
Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

131 10.2 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 48.425 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

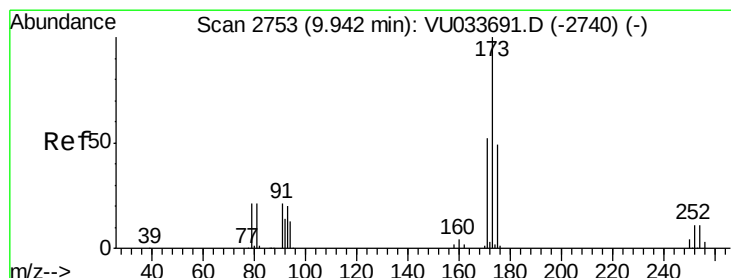
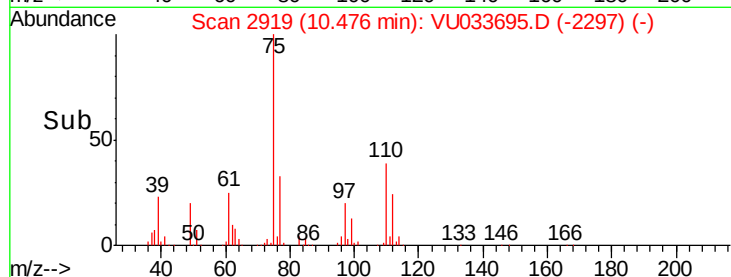
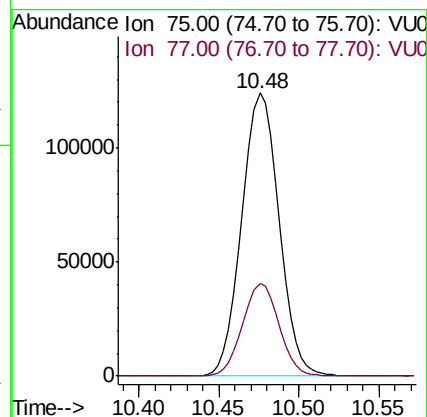
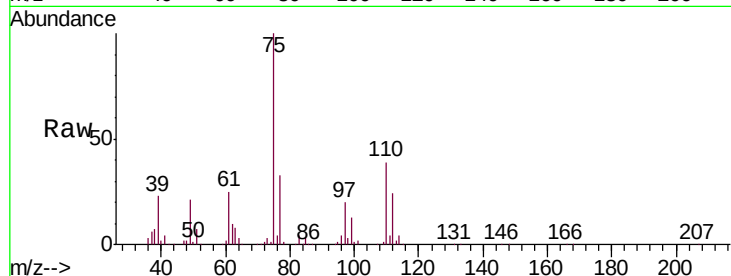
VSTD05056

Tgt Ion: 75 Resp: 197201

Ion Ratio Lower Upper

75 100

77 32.1 26.4 39.6



#61

Bromoform

Concen: 49.311 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

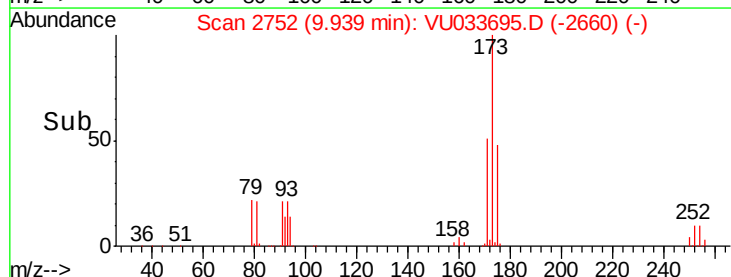
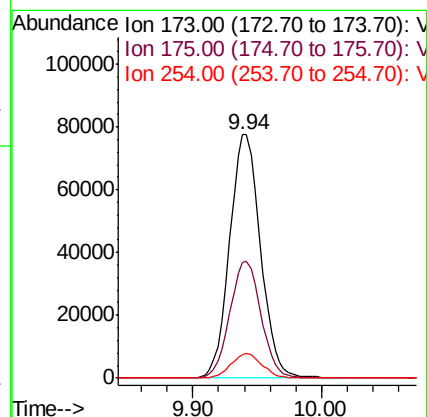
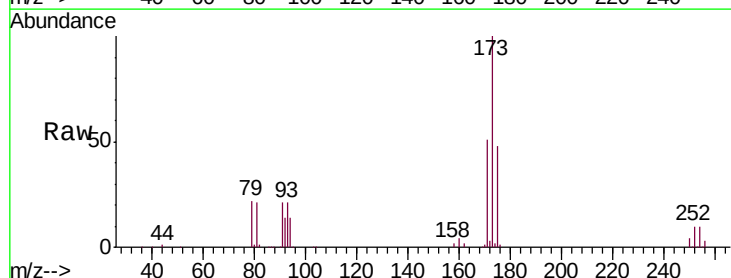
Tgt Ion: 173 Resp: 129054

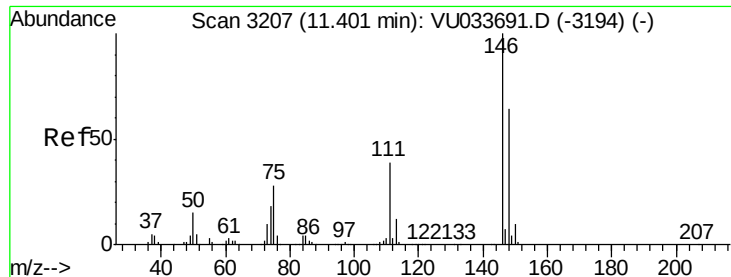
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

254 10.2 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 48.470 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampled :

VSTD05056

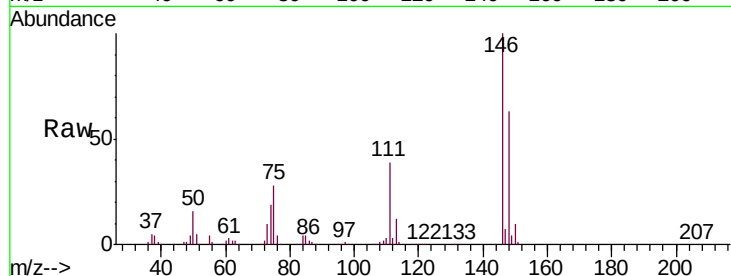
Tgt Ion:146 Resp: 321687

Ion Ratio Lower Upper

146 100

111 38.6 27.0 50.2

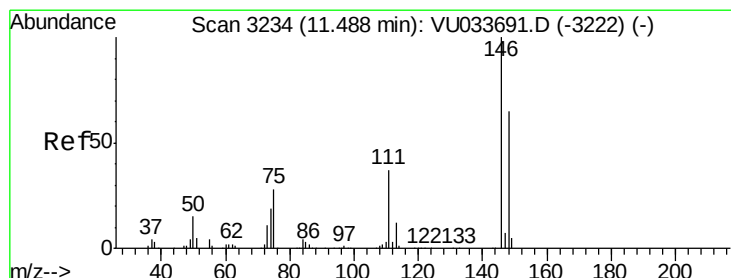
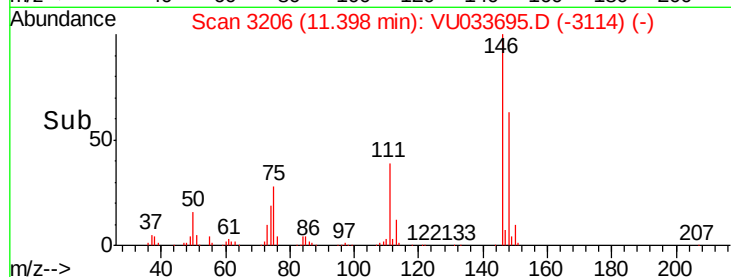
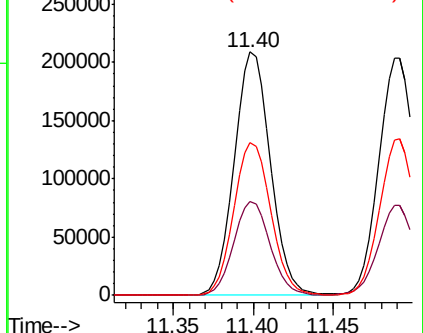
148 62.5 44.7 82.9



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: 48.503 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

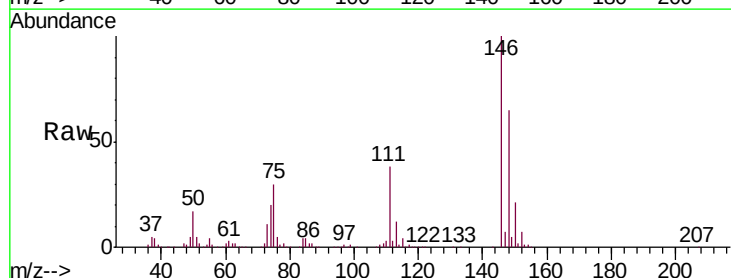
Tgt Ion:146 Resp: 326062

Ion Ratio Lower Upper

146 100

111 38.0 26.0 48.4

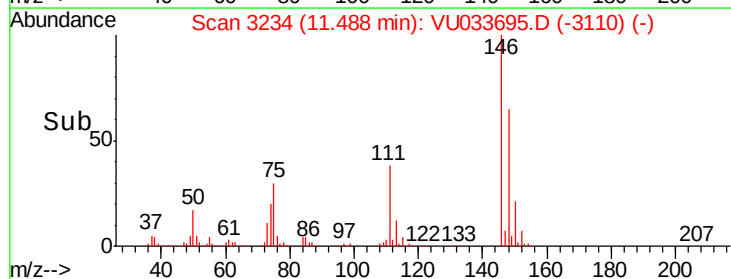
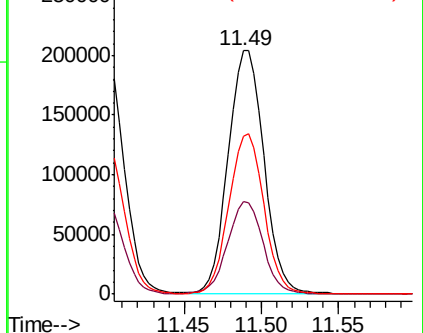
148 65.1 45.3 84.1

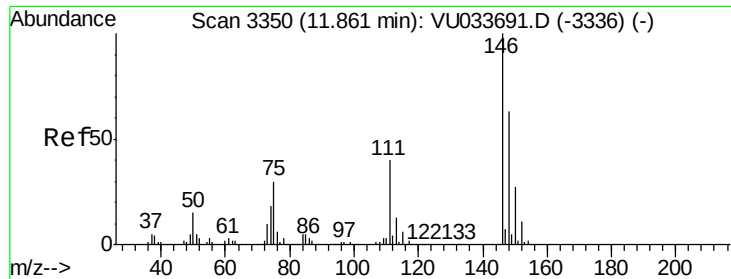


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

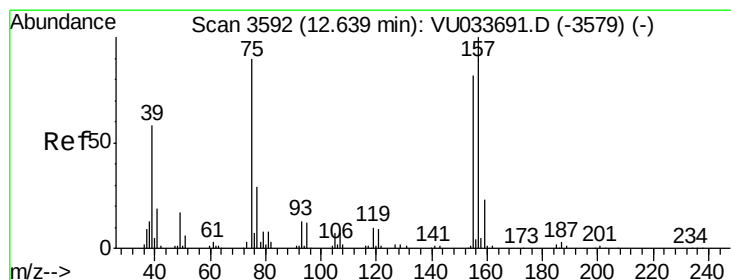
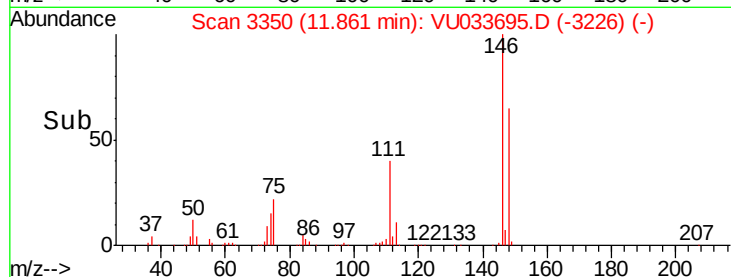
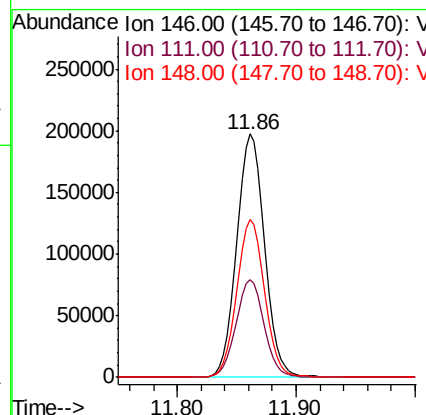
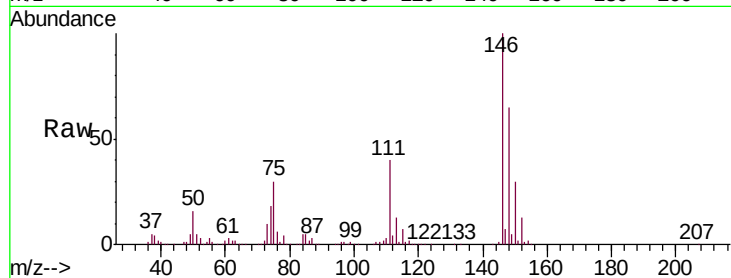




#65
 1,2-Dichlorobenzene
 Concen: 48.940 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

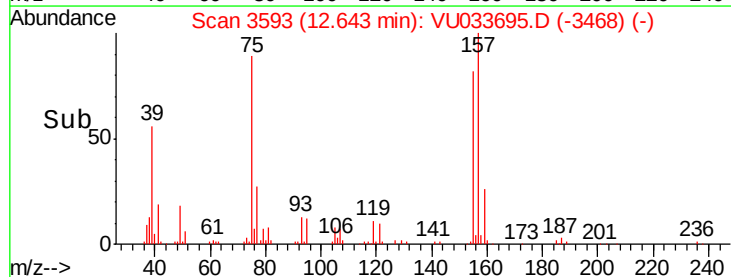
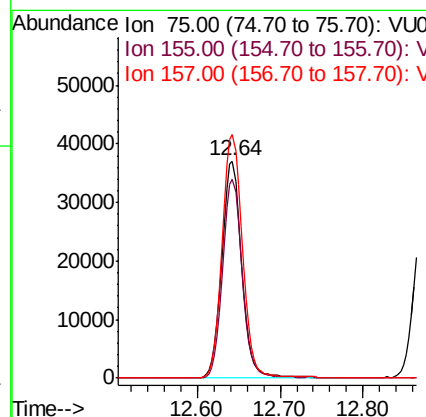
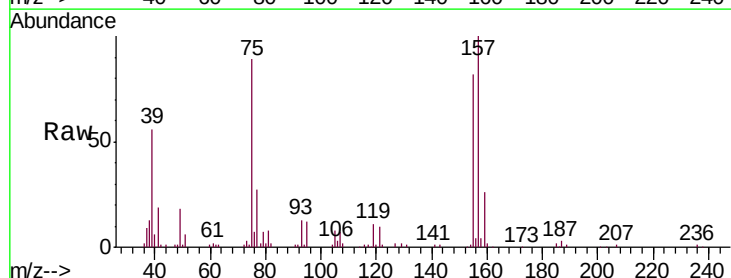
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

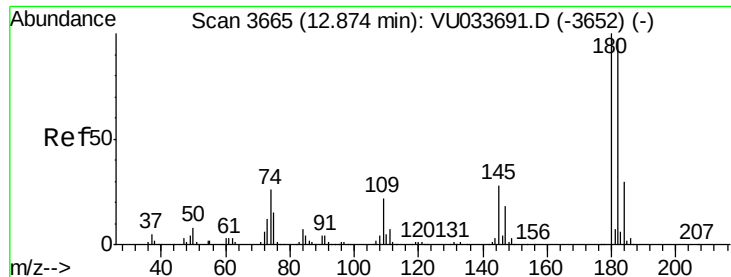
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	32.2	48.2
148	64.9	50.3	75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.633 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	72.7	109.1
157	112.0	88.6	132.8

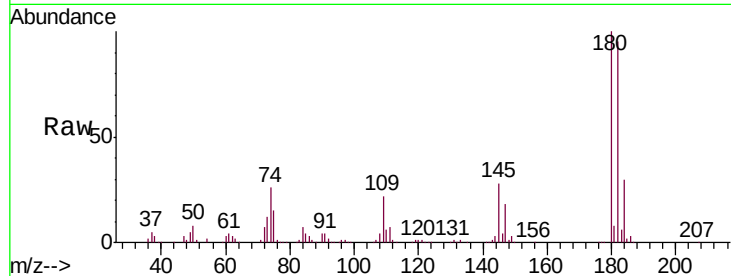




#67
 1,3,5-Trichlorobenzene
 Concen: 49.587 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
184	30.8	24.2	36.2
145	28.1	22.3	33.5



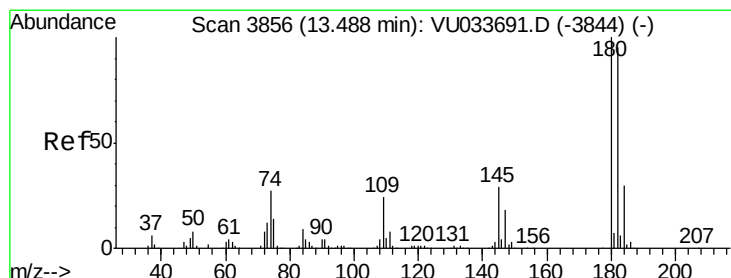
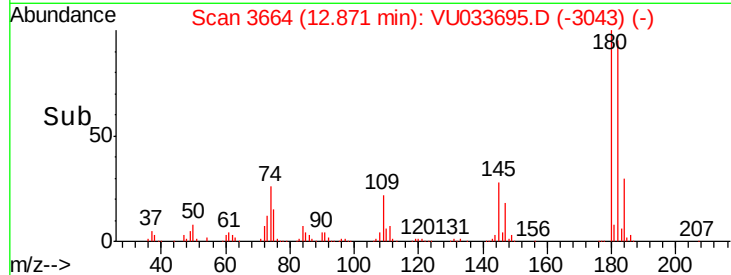
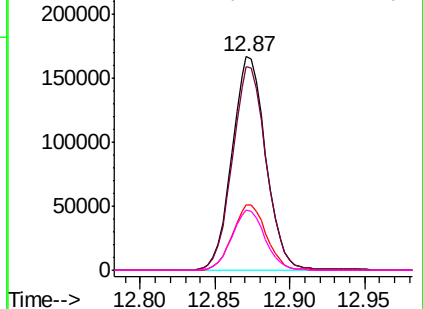
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

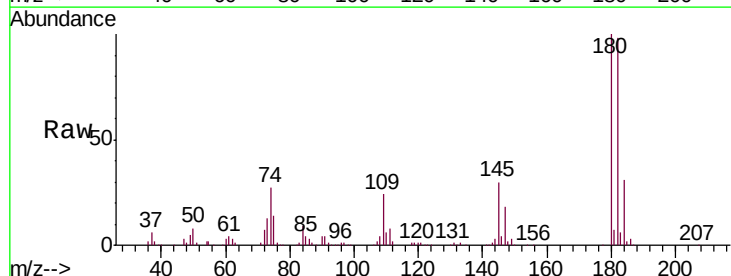
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.119 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033695.D
 Acq: 09 Aug 2019 19:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.2	117.4
145	28.6	23.5	35.3

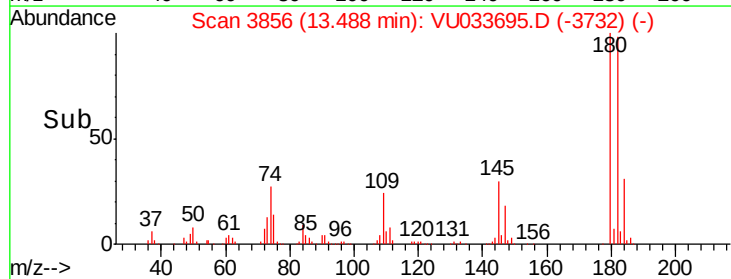
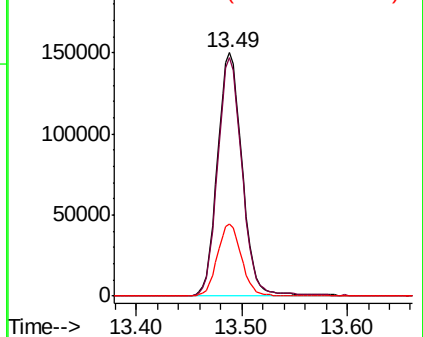


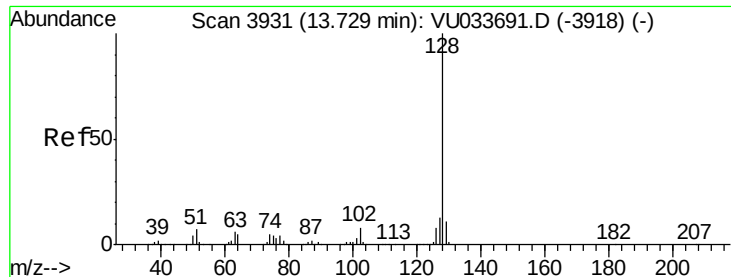
Abundance

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: 52.383 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

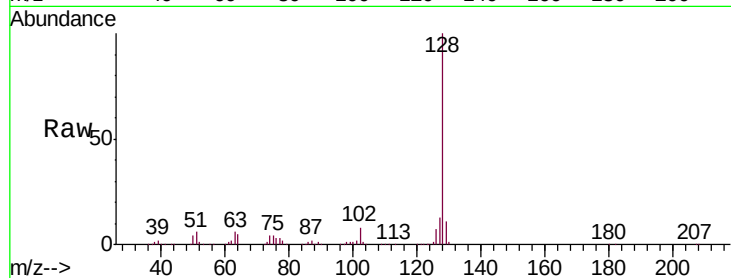
Tgt Ion:128 Resp: 749706

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

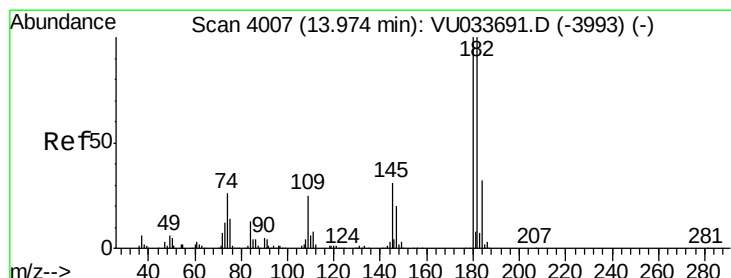
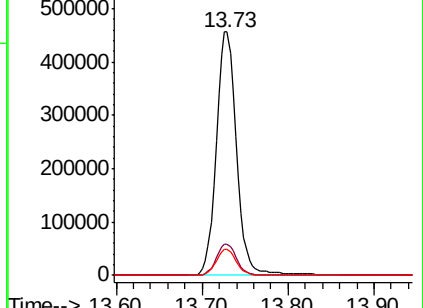
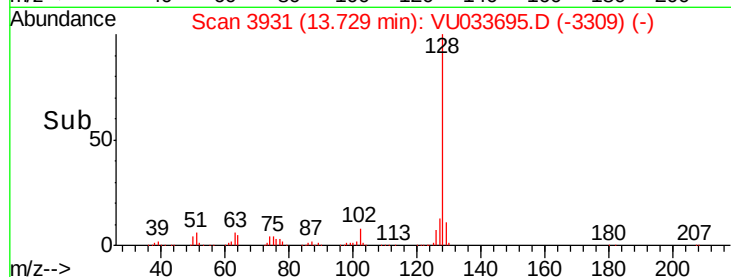
129 10.7 8.6 13.0



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: 50.704 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033695.D

Acq: 09 Aug 2019 19:46

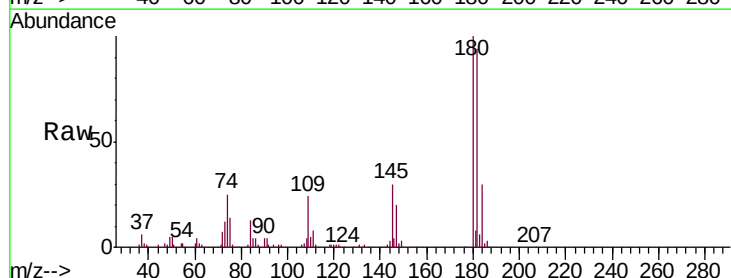
Tgt Ion:180 Resp: 250465

Ion Ratio Lower Upper

180 100

182 94.6 78.5 117.7

145 29.9 24.6 37.0



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

