

Data File : VU035580.D
Acq On : 30 Oct 2019 23:16
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Oct 31 00:46:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	733433	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	716952	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	331552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	288535	48.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.42%
7) Chloroethane-d5	1.93	69	231720	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.96%
11) 1,1-Dichloroethene-d2	2.60	63	442876	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.14%
21) 2-Butanone-d5	4.69	46	355693	102.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.79%
24) Chloroform-d	5.11	84	451378	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
26) 1,2-Dichloroethane-d4	5.75	65	274060	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
32) Benzene-d6	5.77	84	942704	50.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.88%
36) 1,2-Dichloropropane-d6	6.74	67	301480	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.50%
41) Toluene-d8	7.93	98	892028	50.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.21	79	138132	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.96%
47) 2-Hexanone-d5	8.68	63	246144	105.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.97%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	423729	49.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.32%
64) 1,2-Dichlorobenzene-d4	12.22	152	317055	47.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.82%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	268166	46.884 ug/L	99
3) Chloromethane	1.54	50	290236	46.559 ug/L	99
5) Vinyl chloride	1.62	62	312194	46.545 ug/L	99
6) Bromomethane	1.87	94	170557	50.203 ug/L	96
8) Chloroethane	1.95	64	183623	47.070 ug/L	99
9) Trichlorofluoromethane	2.16	101	377683	47.536 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	215962	47.346 ug/L	99
12) 1,1-Dichloroethene	2.61	96	213075	47.559 ug/L	98
13) Acetone	2.67	43	226134	74.280 ug/L	99
14) Carbon disulfide	2.83	76	640273	46.386 ug/L	100
15) Methyl Acetate	2.99	43	273748	49.645 ug/L	99
16) Methylene chloride	3.09	84	255350	46.711 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	223031	47.272 ug/L	97
18) Methyl tert-butyl Ether	3.42	73	702436	49.244 ug/L	100
19) 1,1-Dichloroethane	3.92	63	436472	47.958 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	257515	48.391 ug/L	99
22) 2-Butanone	4.77	43	378070	94.076 ug/L	96

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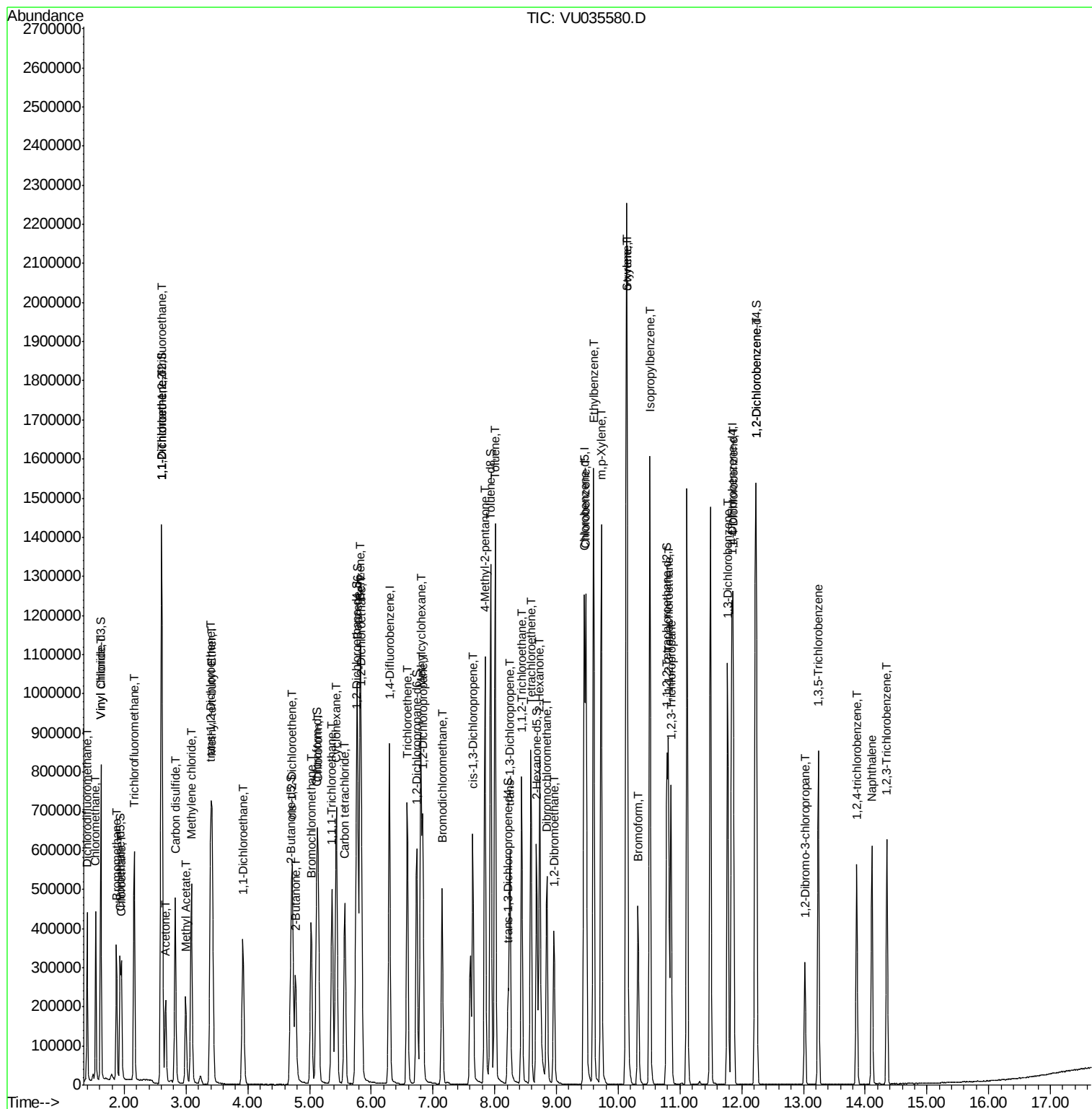
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	136716	48.618	ug/L	98
25) Chloroform	5.14	83	444061	48.042	ug/L	100
27) 1,2-Dichloroethane	5.84	62	326419	48.337	ug/L	99
29) Cyclohexane	5.43	56	363675	49.731	ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	362225	48.069	ug/L	100
31) Carbon tetrachloride	5.57	117	324882	48.487	ug/L	99
33) Benzene	5.82	78	988589	49.063	ug/L	100
34) Trichloroethene	6.58	95	246187	48.060	ug/L	99
35) Methylcyclohexane	6.80	83	359288	48.294	ug/L	99
37) 1,2-Dichloropropane	6.83	63	265707	49.243	ug/L	99
38) Bromodichloromethane	7.15	83	330361	48.167	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	388264	48.410	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	727961	100.843	ug/L	99
42) Toluene	8.01	91	1059876	50.188	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	348462	47.398	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	250764	48.485	ug/L	100
46) Tetrachloroethene	8.59	164	203047	47.405	ug/L	99
48) 2-Hexanone	8.73	43	575635	98.059	ug/L	96
49) Dibromochloromethane	8.84	129	281575	48.277	ug/L	99
50) 1,2-Dibromoethane	8.96	107	272207	49.330	ug/L	100
51) Chlorobenzene	9.48	112	681492	48.339	ug/L	99
52) Ethylbenzene	9.60	91	1123163	49.749	ug/L	99
53) m,p-Xylene	9.73	106	431763	50.966	ug/L	97
54) o-xylene	10.13	106	425699	51.413	ug/L	100
55) Styrene	10.14	104	710089	51.675	ug/L	100
56) Isopropylbenzene	10.51	105	1062878	51.082	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	433964	48.713	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	341337	48.515	ug/L	100
61) Bromoform	10.32	173	224735	44.430	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	487431	46.602	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	484112	45.562	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	496332	46.612	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	75494	45.727	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	287450	47.570	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	187163	46.239	ug/L	100
69) Naphthalene	14.11	128	488434	47.045	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	209340	47.999	ug/L	98

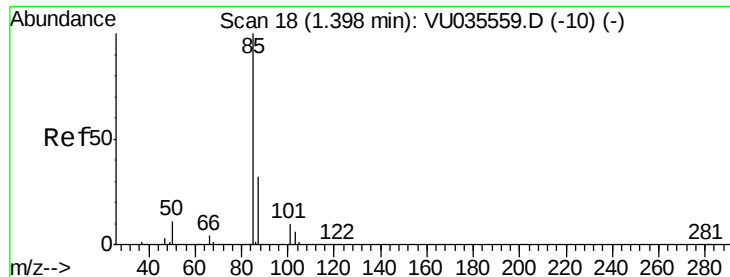
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.884 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

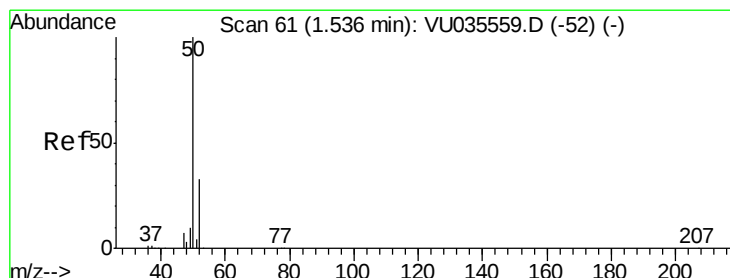
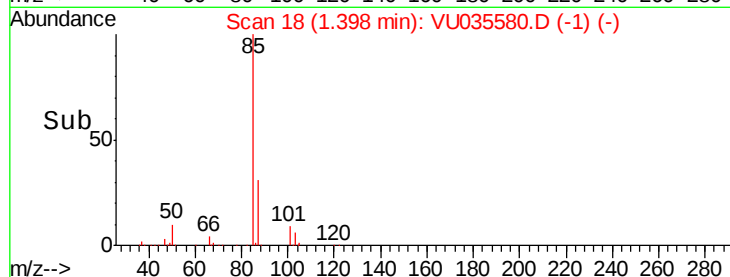
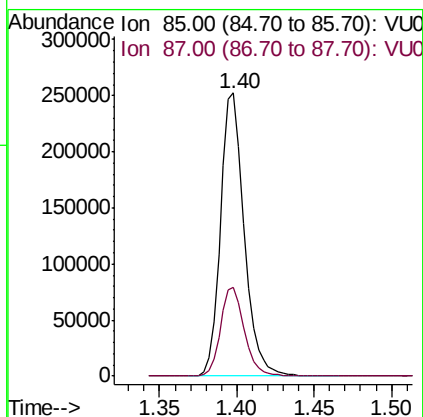
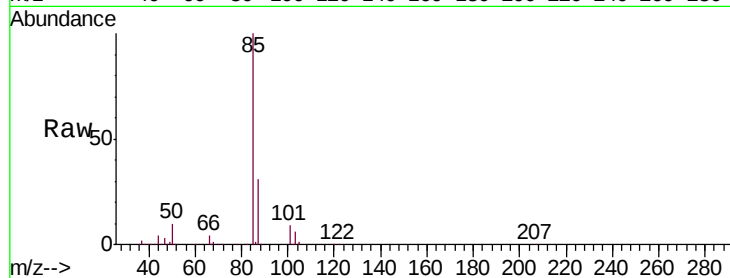
VSTD05060

Tgt Ion: 85 Resp: 268166

Ion Ratio Lower Upper

85 100

87 31.7 25.7 38.5



#3

Chloromethane

Concen: 46.559 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035580.D

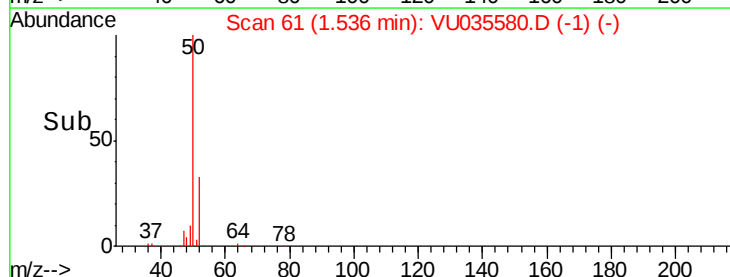
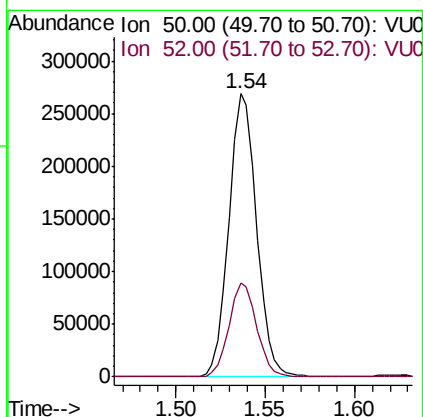
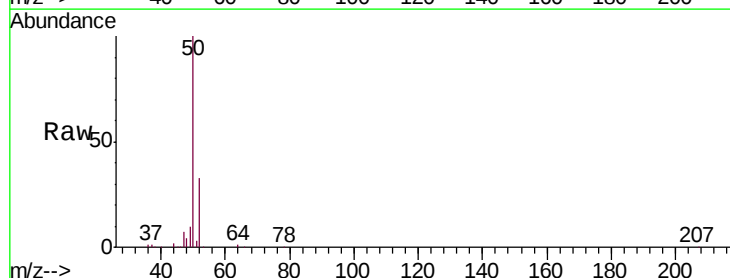
Acq: 30 Oct 2019 23:16

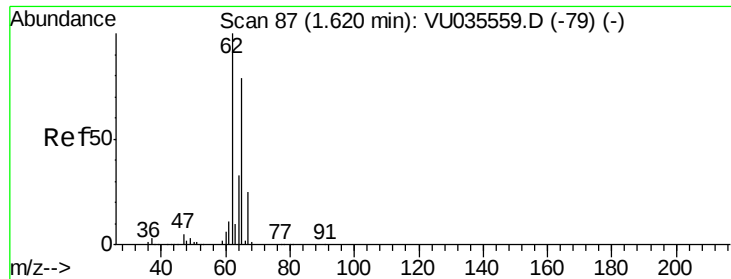
Tgt Ion: 50 Resp: 290236

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6





#5

Vinyl chloride

Concen: 46.545 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

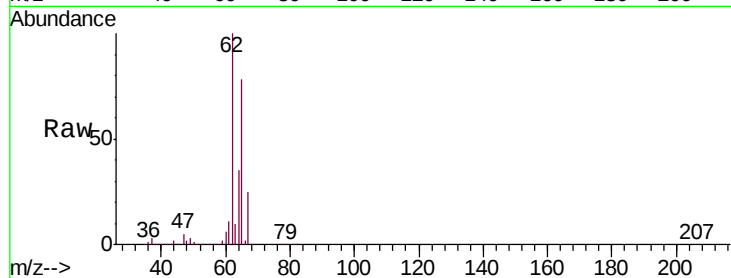
VSTD05060

Tgt Ion: 62 Resp: 312194

Ion Ratio Lower Upper

62 100

64 34.5 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU035559.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035559.D (-79) (-)

1.62

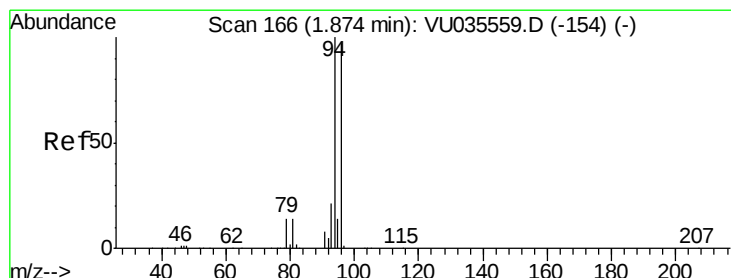
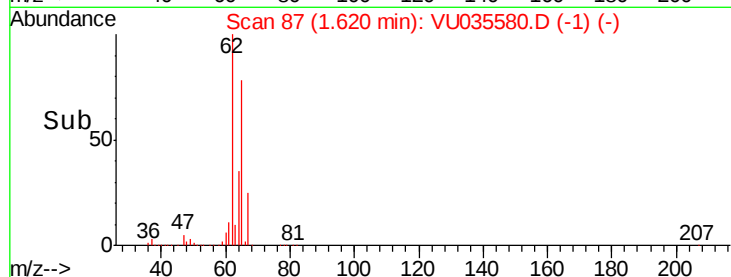
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 50.203 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035580.D

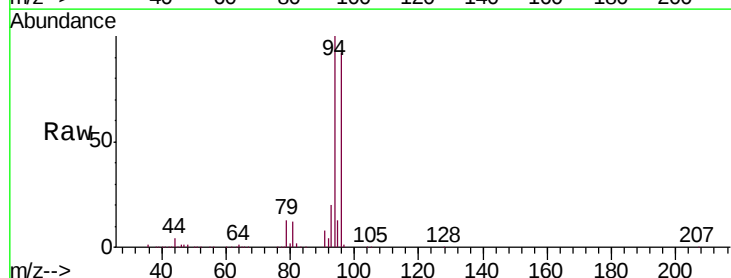
Acq: 30 Oct 2019 23:16

Tgt Ion: 94 Resp: 170557

Ion Ratio Lower Upper

94 100

96 92.2 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VU035559.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU035559.D (-154) (-)

1.87

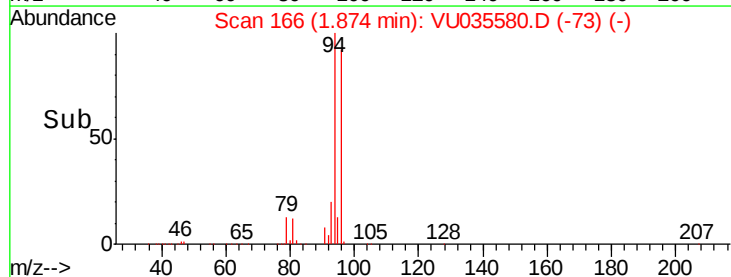
150000

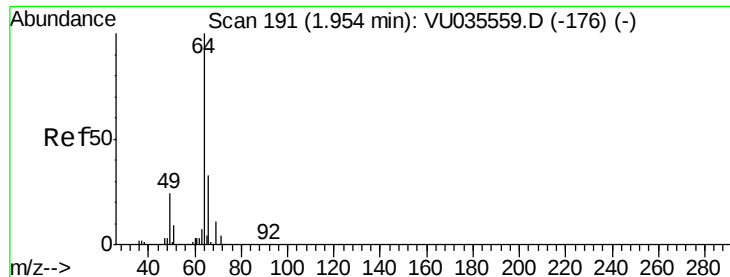
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 47.070 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

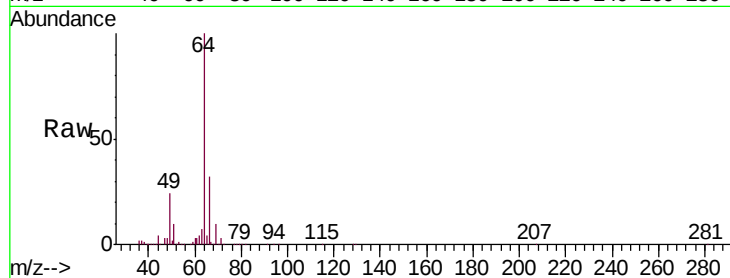
VSTD05060

Tgt Ion: 64 Resp: 183623

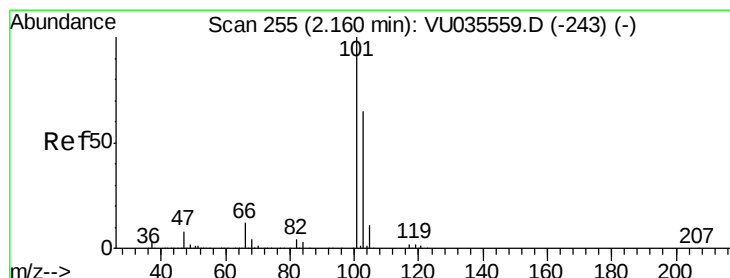
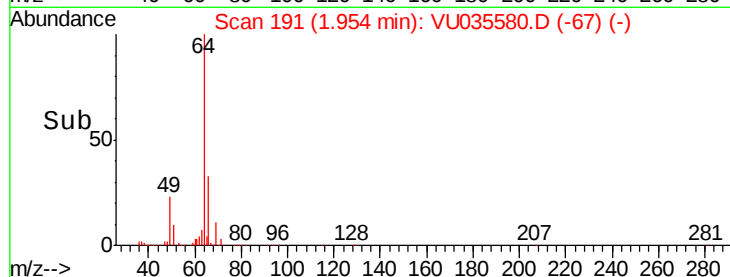
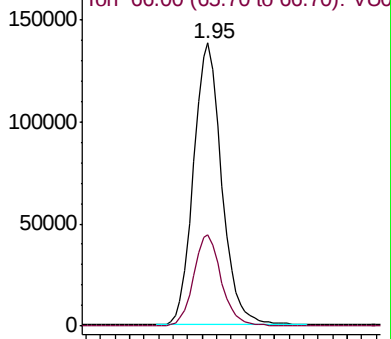
Ion Ratio Lower Upper

64 100

66 32.2 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VU035559.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 47.536 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU035580.D

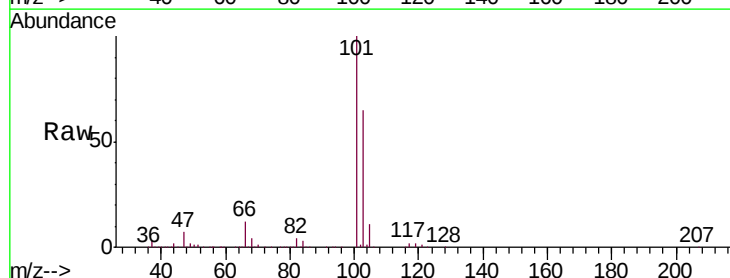
Acq: 30 Oct 2019 23:16

Tgt Ion: 101 Resp: 377683

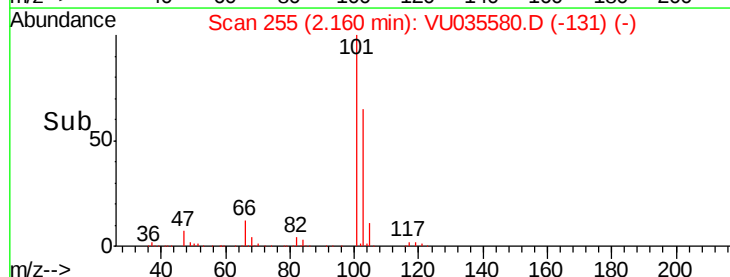
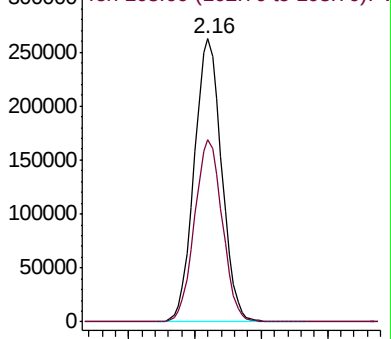
Ion Ratio Lower Upper

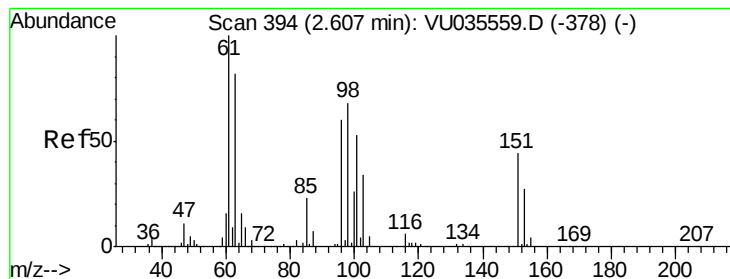
101 100

103 65.2 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU035559.D (-243) (-)





#10

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

Concen: 47.346 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

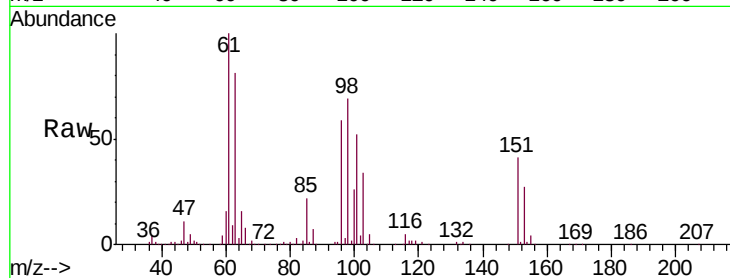
Tgt Ion: 101 Resp: 215962

Ion Ratio Lower Upper

101 100

85 41.5 34.0 51.0

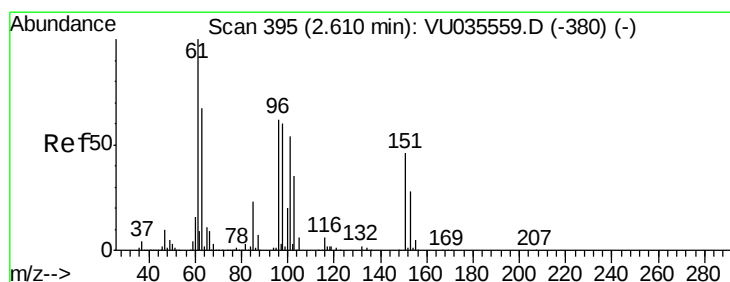
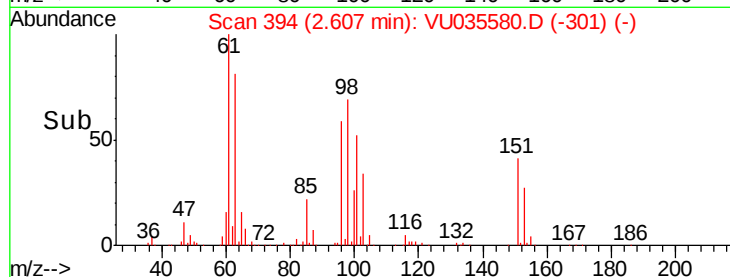
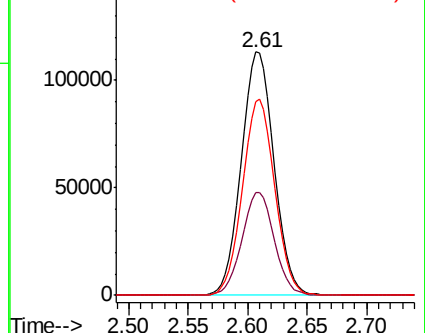
151 79.5 64.2 96.4



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: 47.559 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

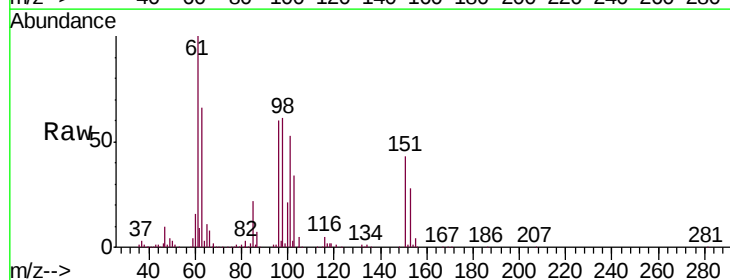
Tgt Ion: 96 Resp: 213075

Ion Ratio Lower Upper

96 100

61 166.4 113.1 210.1

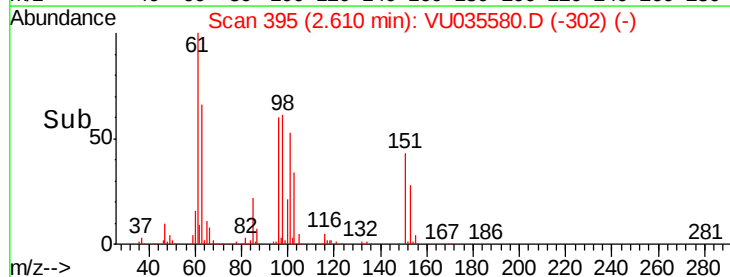
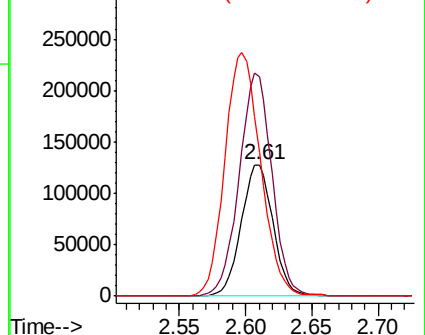
63 109.4 76.2 141.4

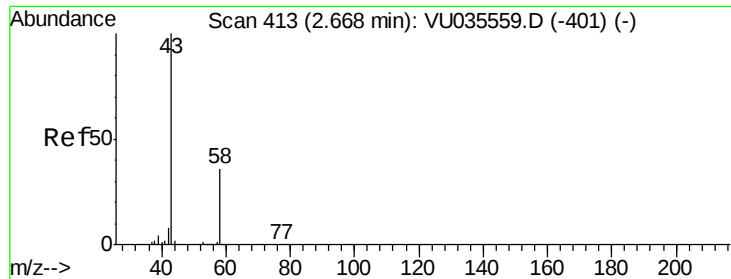


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 74.280 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

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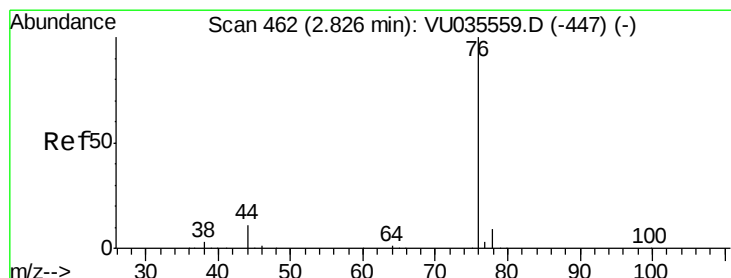
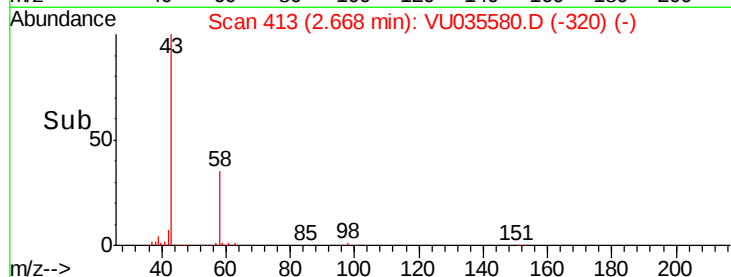
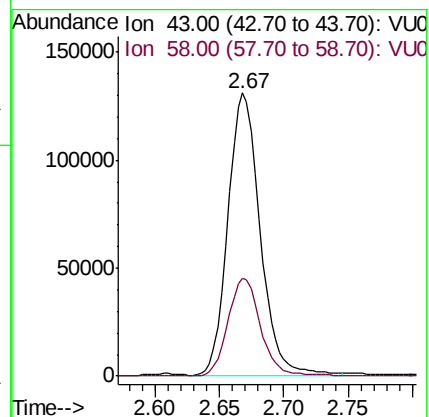
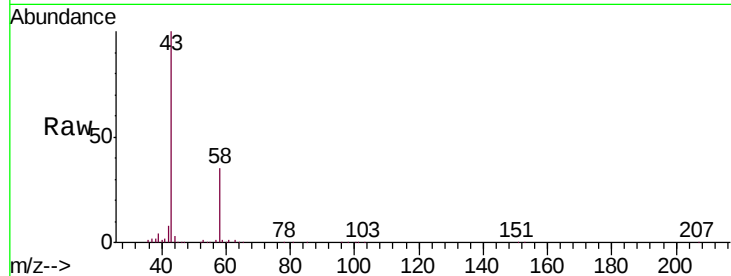
VSTD05060

Tgt Ion: 43 Resp: 226134

Ion Ratio Lower Upper

43 100

58 35.5 0.0 70.0



#14

Carbon disulfide

Concen: 46.386 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

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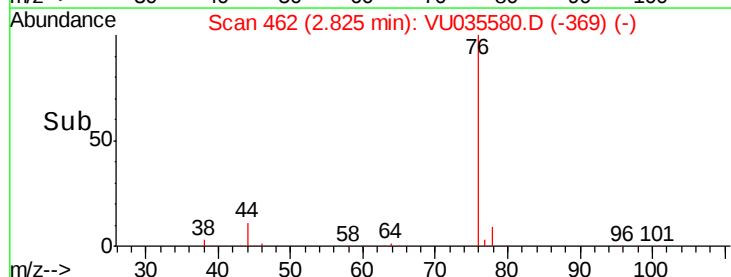
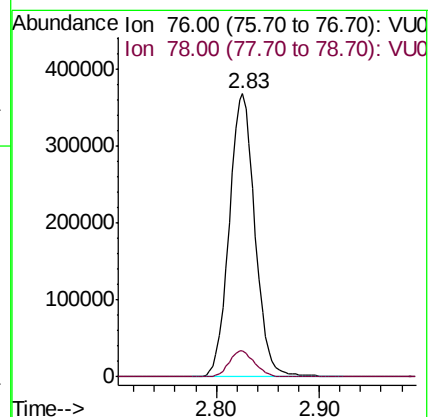
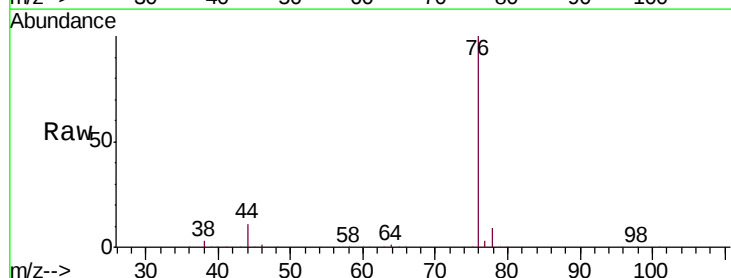
Acq: 30 Oct 2019 23:16

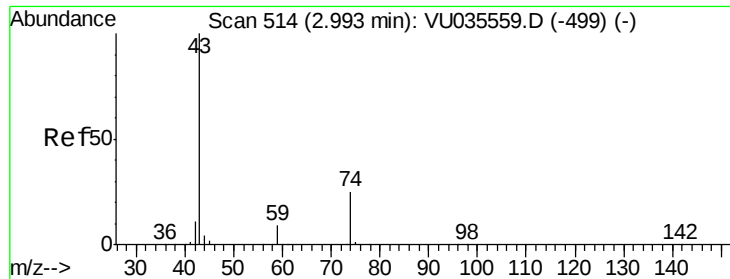
Tgt Ion: 76 Resp: 640273

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

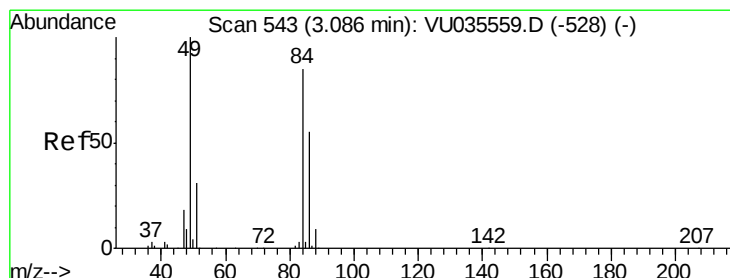
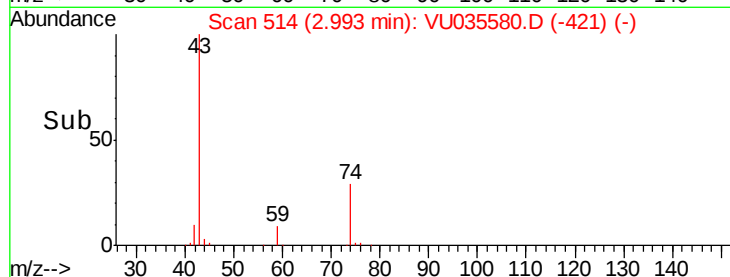
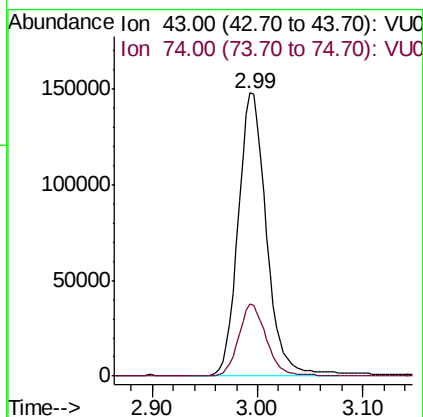
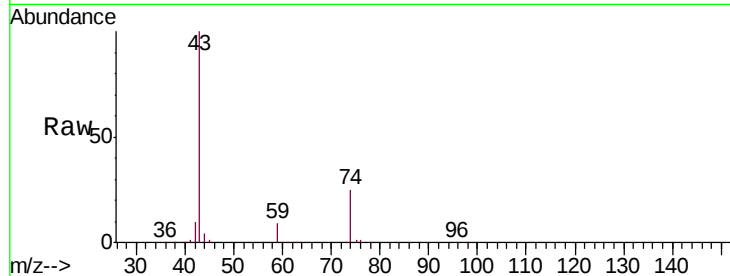




#15
Methyl Acetate
Concen: 49.645 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

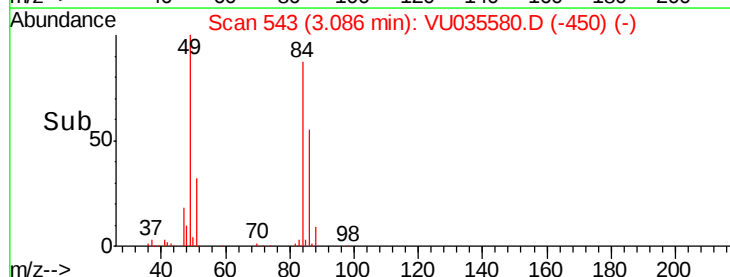
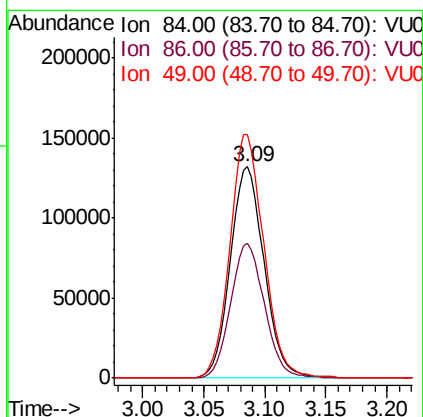
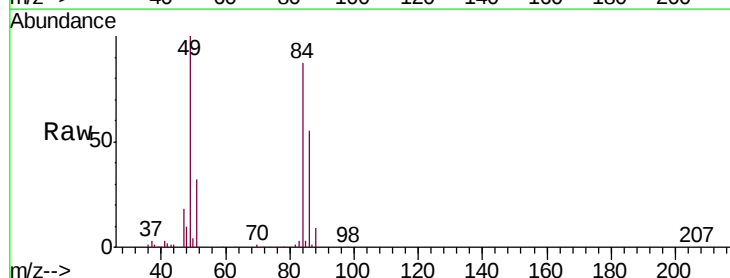
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

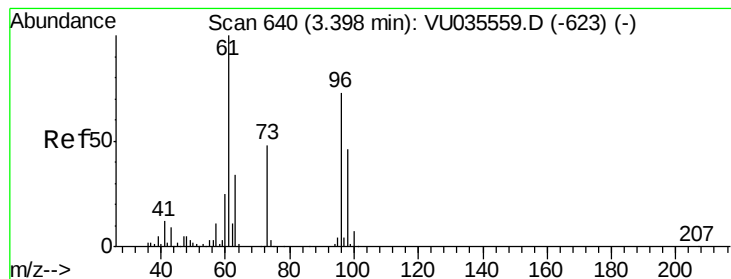
Tgt Ion: 43 Resp: 273748
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.6



#16
Methylene chloride
Concen: 46.711 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Tgt Ion: 84 Resp: 255350
Ion Ratio Lower Upper
84 100
86 63.8 45.1 83.7
49 115.4 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 47.272 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

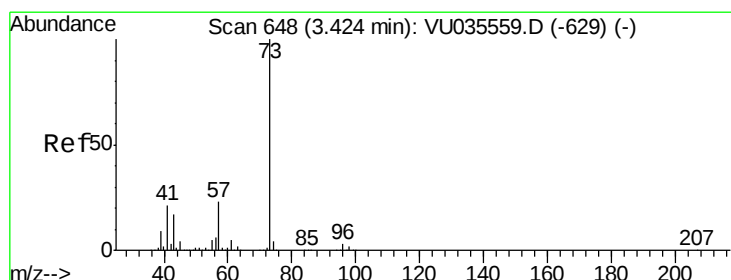
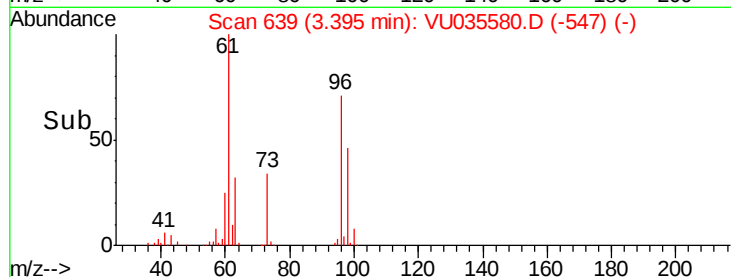
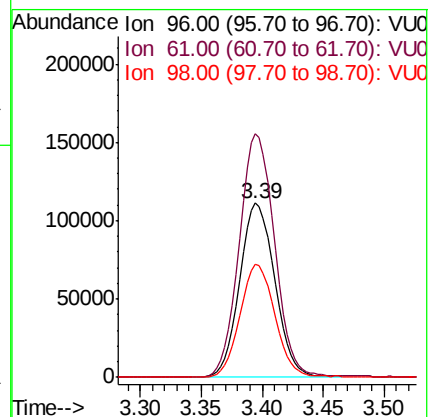
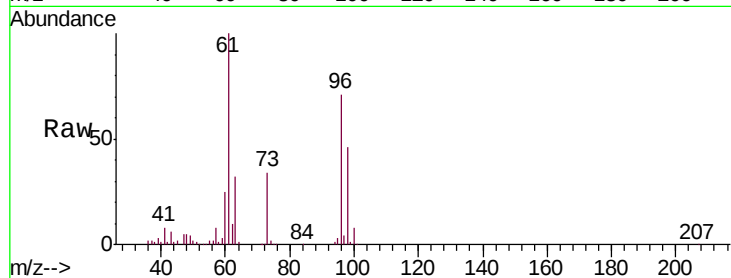
Tgt Ion: 96 Resp: 223031

Ion Ratio Lower Upper

96 100

61 140.0 95.3 176.9

98 64.9 44.0 81.8



#18

Methyl tert-butyl Ether

Concen: 49.244 ug/L

RT: 3.42 min Scan# 648

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

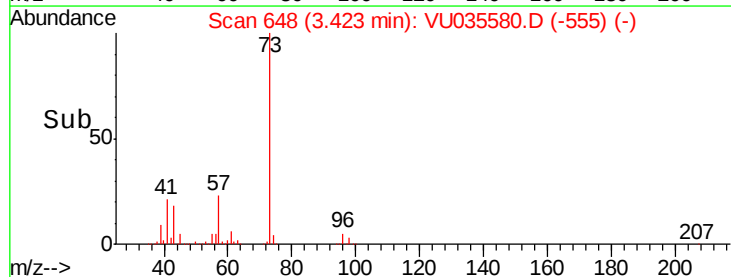
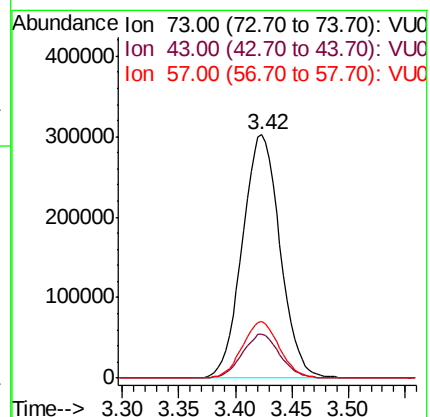
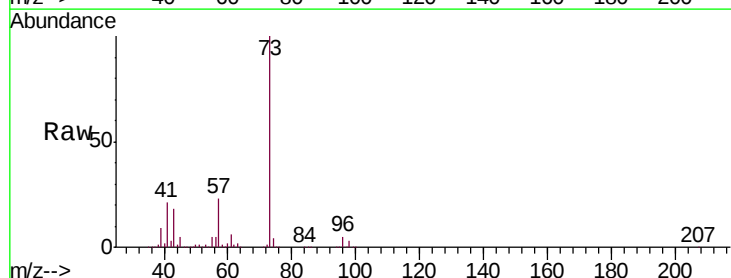
Tgt Ion: 73 Resp: 702436

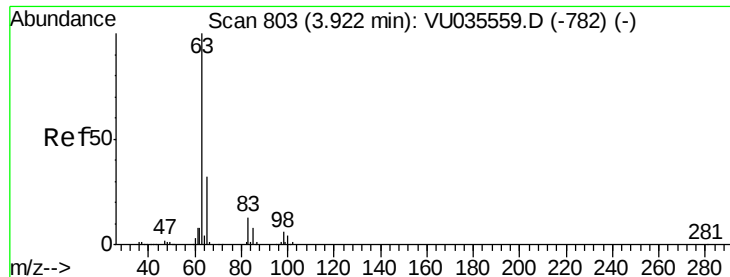
Ion Ratio Lower Upper

73 100

43 17.8 14.2 21.2

57 22.7 18.3 27.5





#19

1,1-Dichloroethane

Concen: 47.958 ug/L

RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

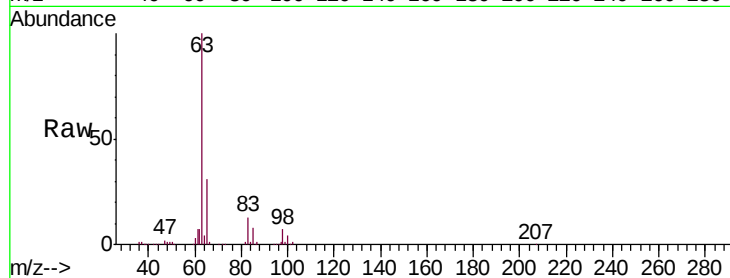
Tgt Ion: 63 Resp: 436472

Ion Ratio Lower Upper

63 100

65 31.3 22.1 41.1

83 12.8 9.1 16.9

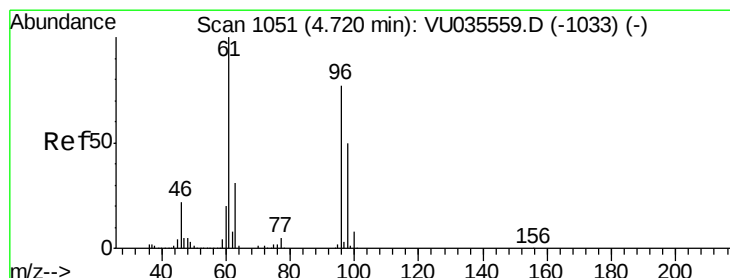
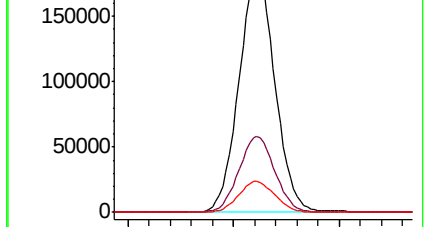
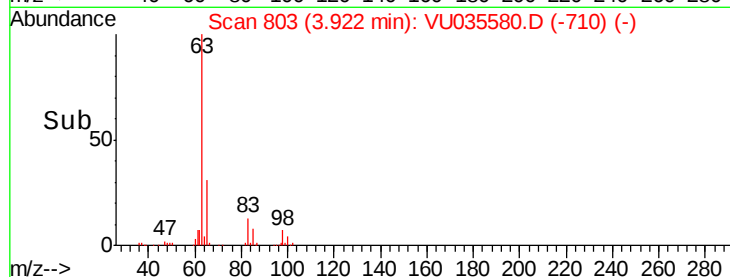


Abundance Ion 63.00 (62.70 to 63.70): VU035580.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VU035580.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VU035580.D (-710) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 48.391 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

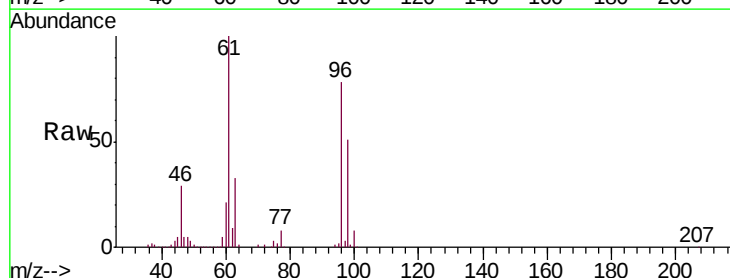
Tgt Ion: 96 Resp: 257515

Ion Ratio Lower Upper

96 100

61 127.9 90.6 168.3

68 0.0 0.0 0.0

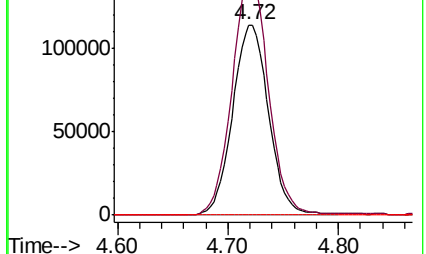
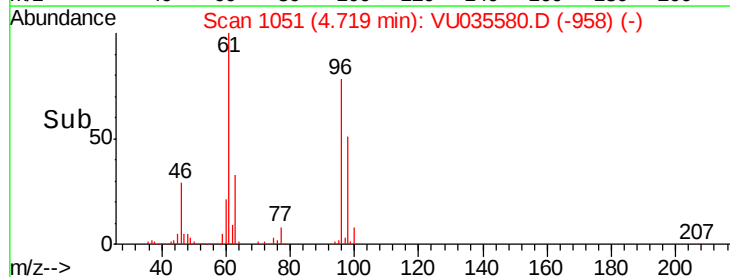


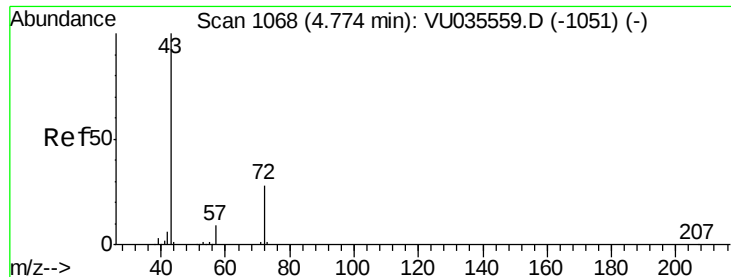
Abundance Ion 96.00 (95.70 to 96.70): VU035580.D (-958) (-)

Ion 61.00 (60.70 to 61.70): VU035580.D (-958) (-)

Ion 68.00 (67.70 to 68.70): VU035580.D (-958) (-)

Time-->





#22

2-Butanone

Concen: 94.076 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

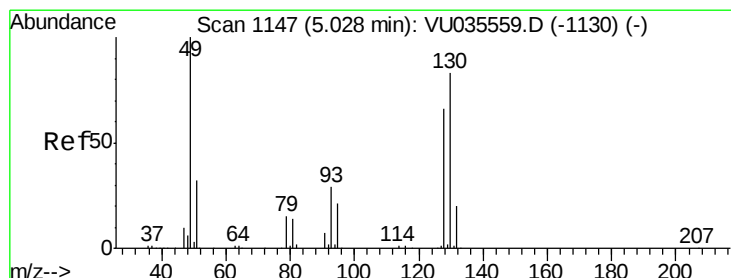
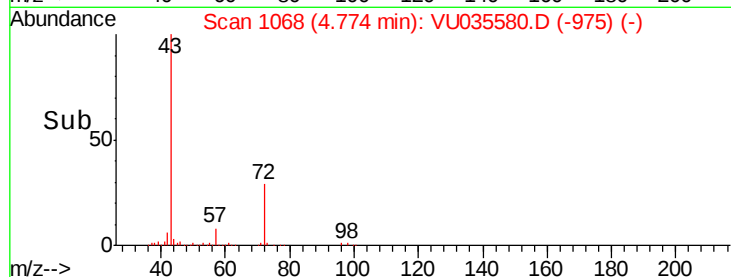
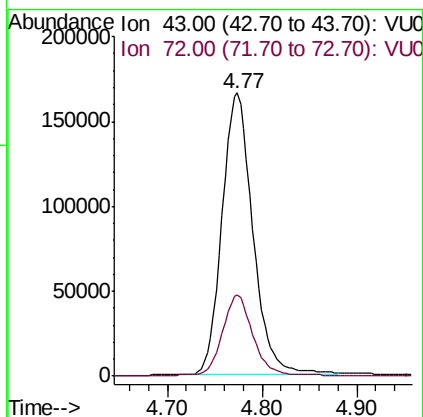
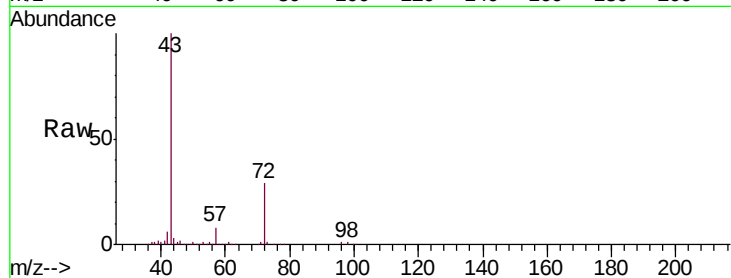
VSTD05060

Tgt Ion: 43 Resp: 378070

Ion Ratio Lower Upper

43 100

72 28.9 13.5 40.4



#23

Bromochloromethane

Concen: 48.618 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Tgt Ion: 128 Resp: 136716

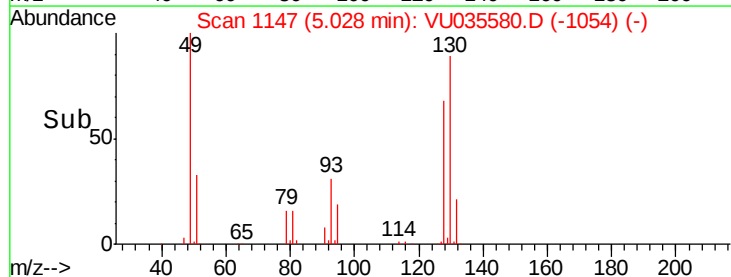
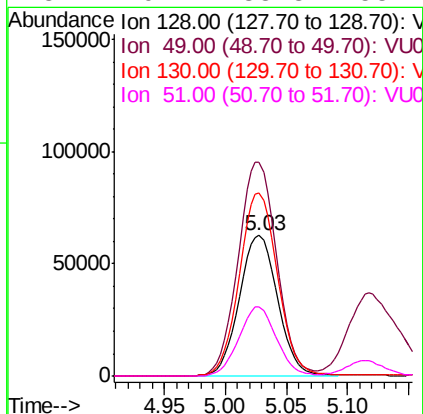
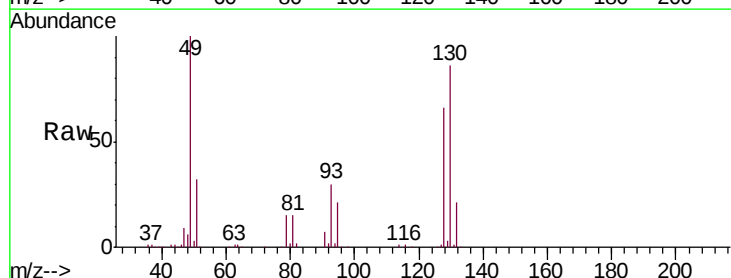
Ion Ratio Lower Upper

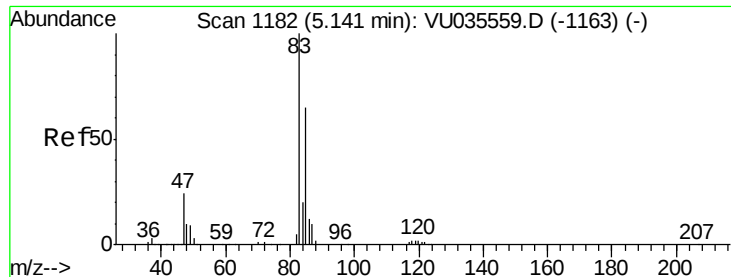
128 100

49 152.0 106.4 197.6

130 130.1 88.1 163.5

51 49.4 38.8 58.2





#25

Chloroform

Concen: 48.042 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

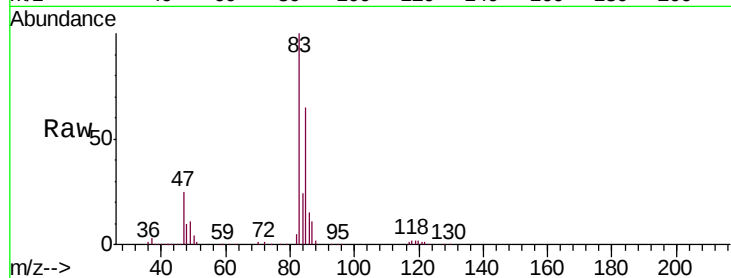
VSTD05060

Tgt Ion: 83 Resp: 444061

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VU035559.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU035559.D (-1163) (-)

5.14

200000

150000

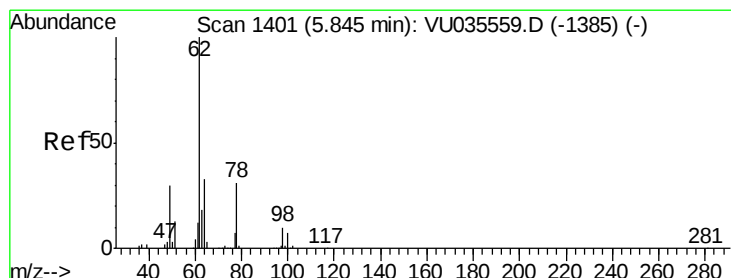
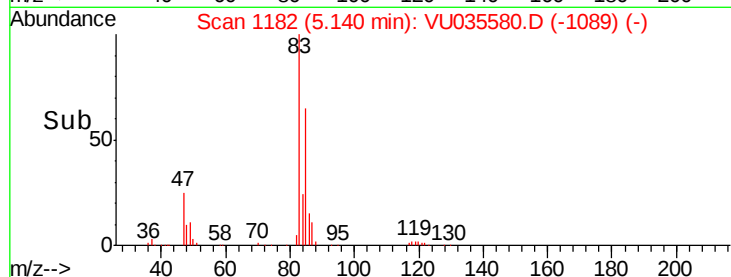
100000

50000

0

5.10 5.20

Time-->



#27

1,2-Dichloroethane

Concen: 48.337 ug/L

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035580.D

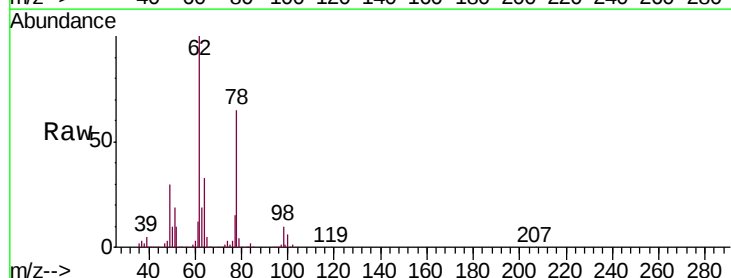
Acq: 30 Oct 2019 23:16

Tgt Ion: 62 Resp: 326419

Ion Ratio Lower Upper

62 100

98 9.9 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VU035559.D (-1385) (-)

Ion 98.00 (97.70 to 98.70): VU035559.D (-1385) (-)

5.84

150000

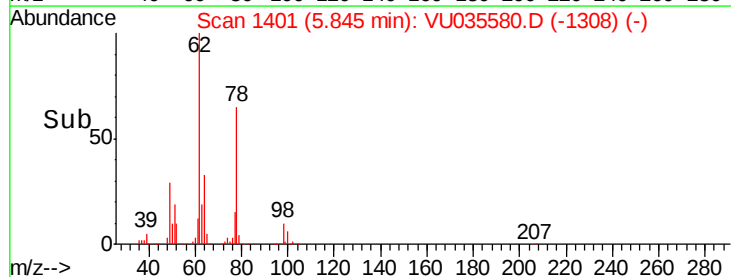
100000

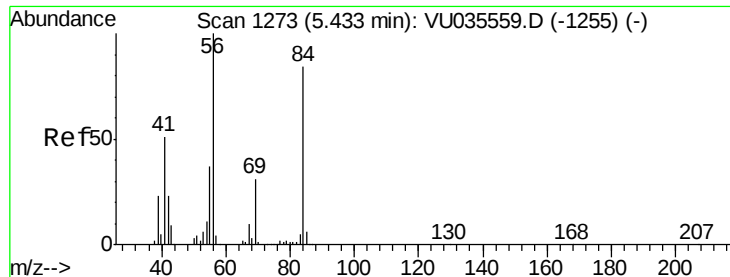
50000

0

5.75 5.80 5.85 5.90 5.95

Time-->

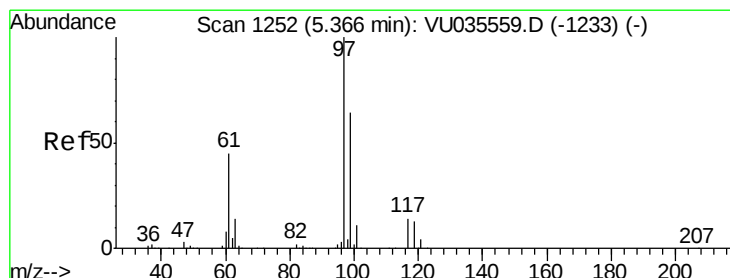
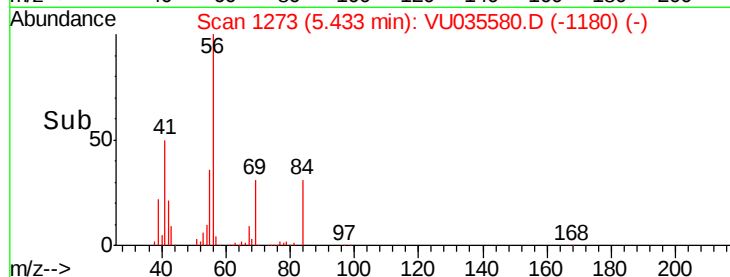
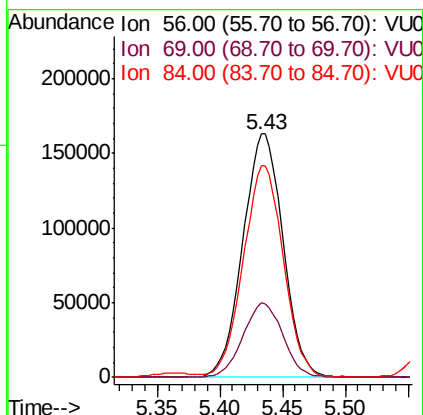
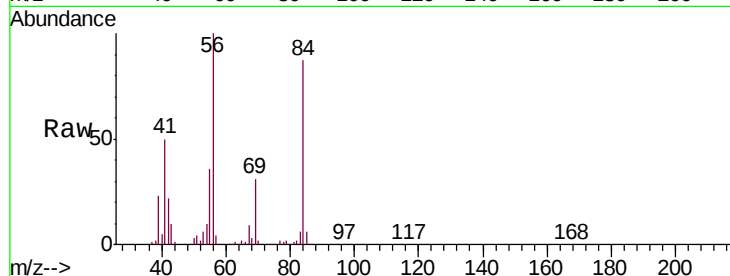




#29
Cyclohexane
Concen: 49.731 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

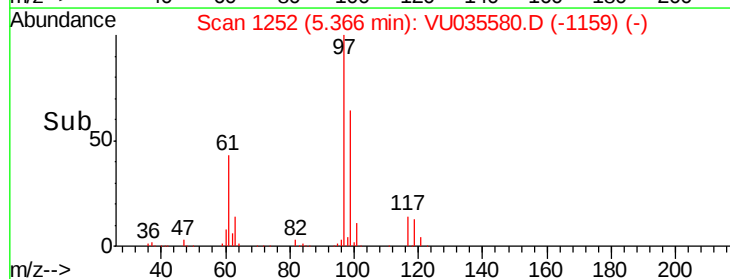
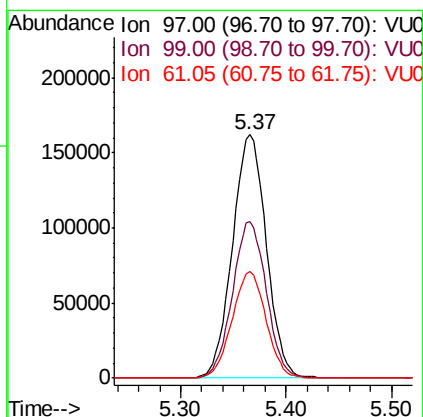
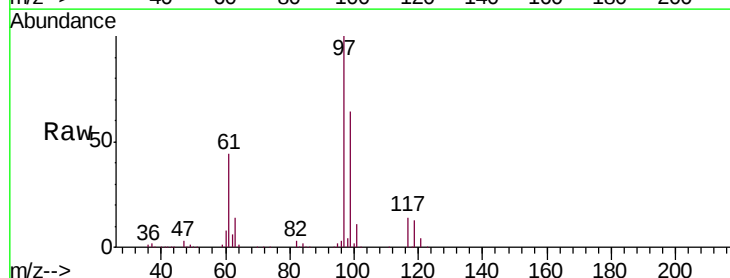
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

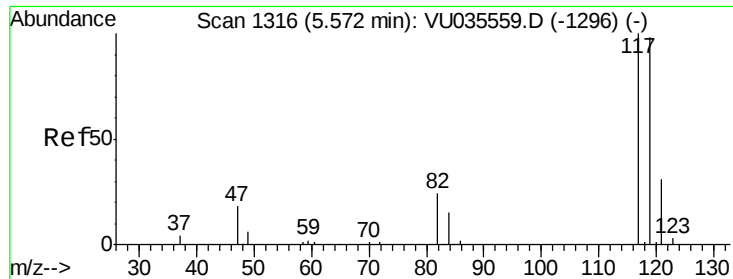
Tgt Ion: 56 Resp: 363675
Ion Ratio Lower Upper
56 100
69 30.3 24.4 36.6
84 85.8 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 48.069 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Tgt Ion: 97 Resp: 362225
Ion Ratio Lower Upper
97 100
99 64.2 51.5 77.3
61 43.7 35.1 52.7

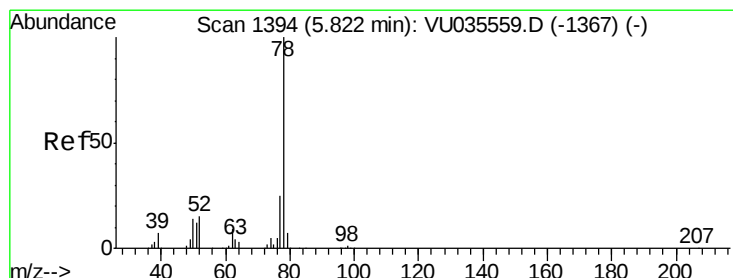
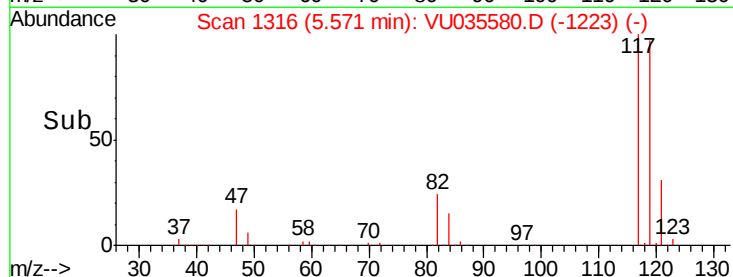
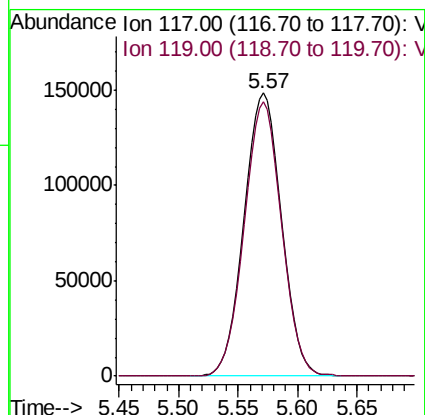
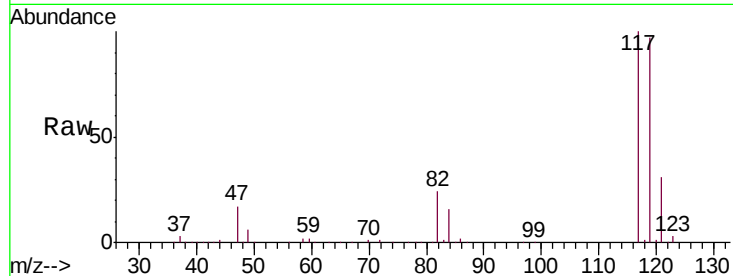




#31
Carbon tetrachloride
Concen: 48.487 ug/L
RT: 5.57 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

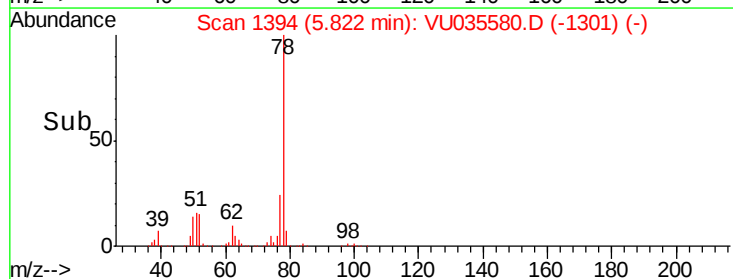
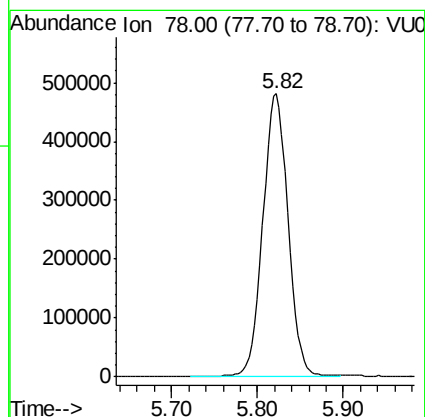
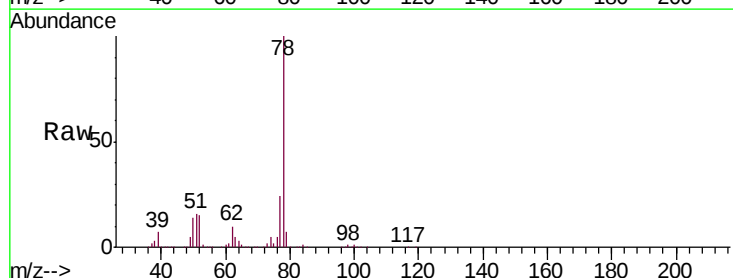
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

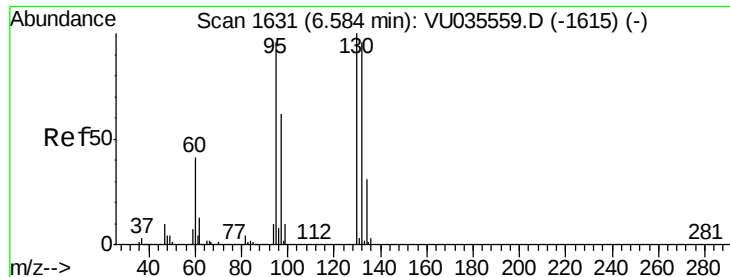
Tgt Ion:117 Resp: 324882
Ion Ratio Lower Upper
117 100
119 96.2 77.4 116.2



#33
Benzene
Concen: 49.063 ug/L
RT: 5.82 min Scan# 1394
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Tgt Ion: 78 Resp: 988589

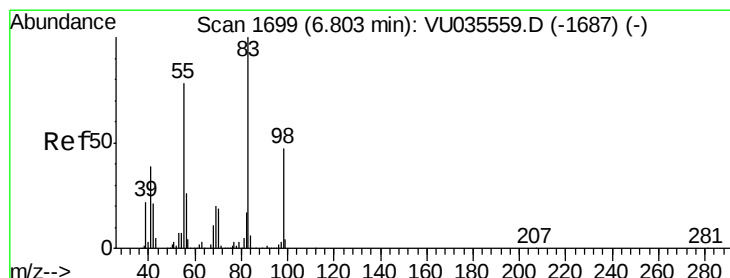
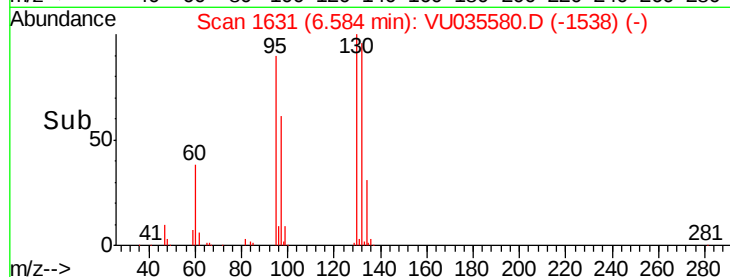
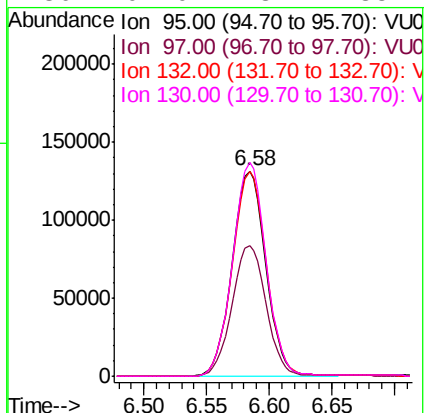
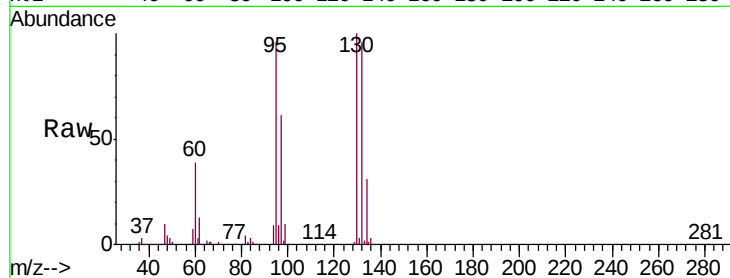




#34
 Trichloroethene
 Concen: 48.060 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

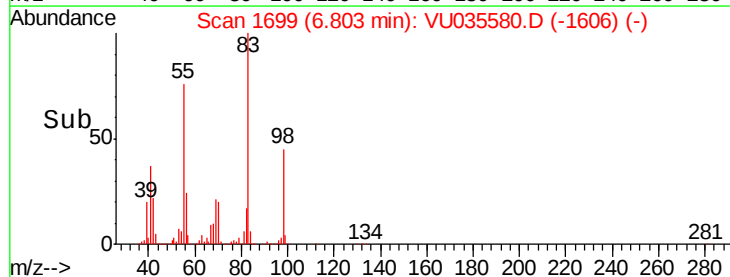
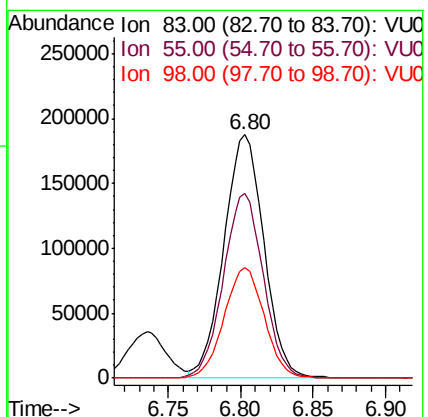
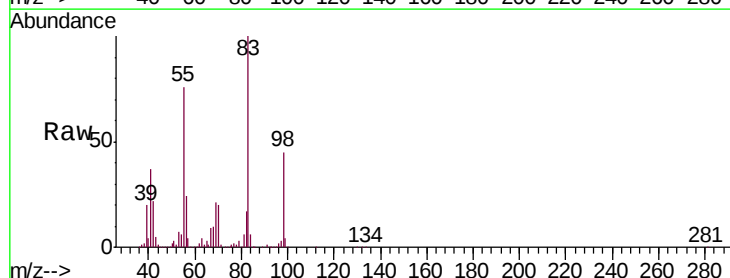
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

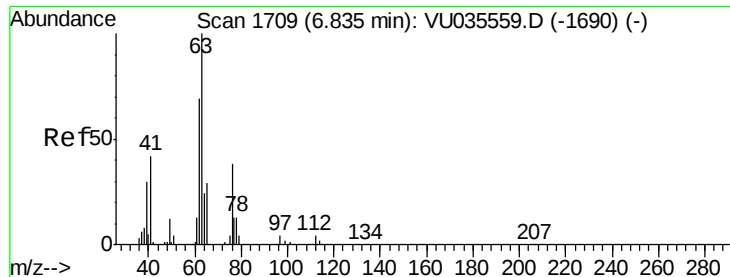
Tgt Ion:	95	Resp:	246187
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.6	84.6
132	99.9	69.9	129.7
130	104.0	73.1	135.7



#35
 Methylcyclohexane
 Concen: 48.294 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion:	83	Resp:	359288
Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.0	91.4
98	45.6	36.6	54.8

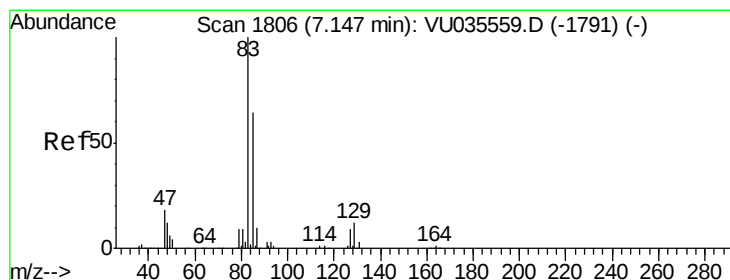
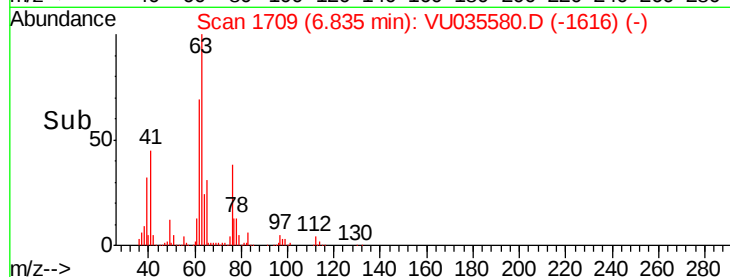
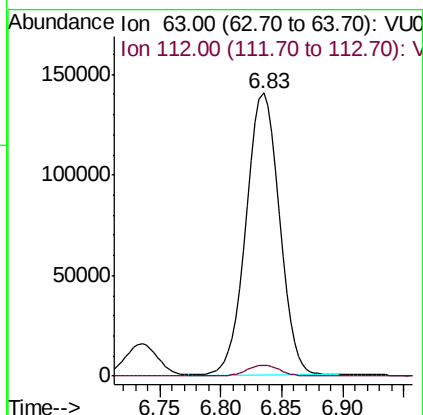
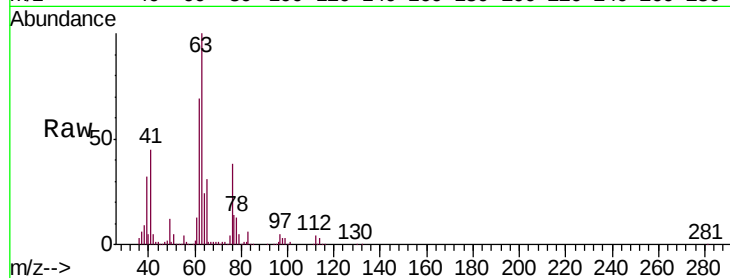




#37
 1,2-Dichloropropane
 Concen: 49.243 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

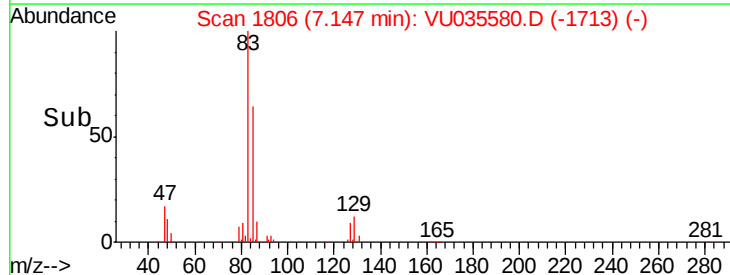
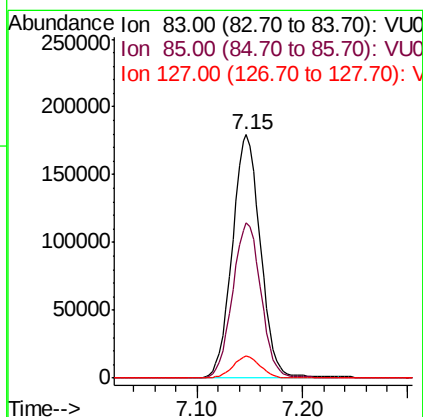
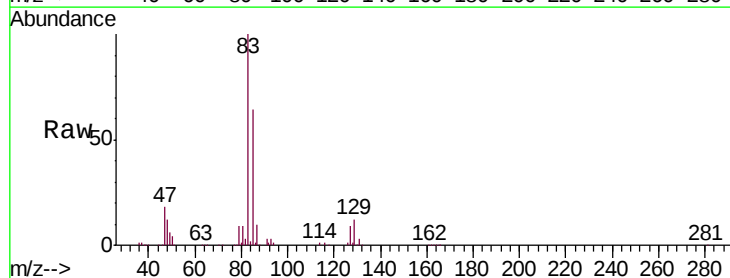
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

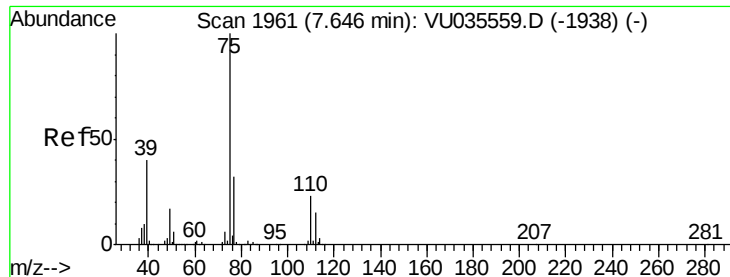
Tgt Ion: 63 Resp: 265707
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 48.167 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion: 83 Resp: 330361
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.1 83.7
 127 8.9 7.2 10.8

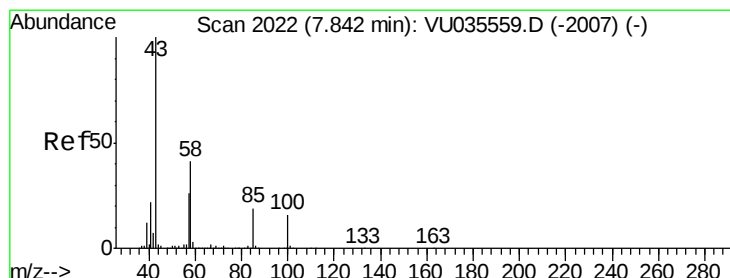
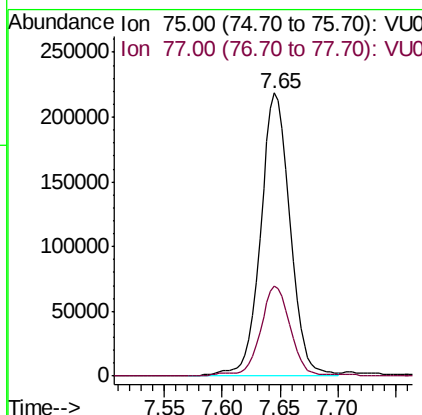
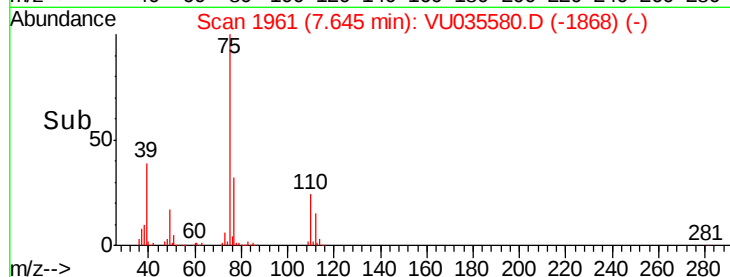
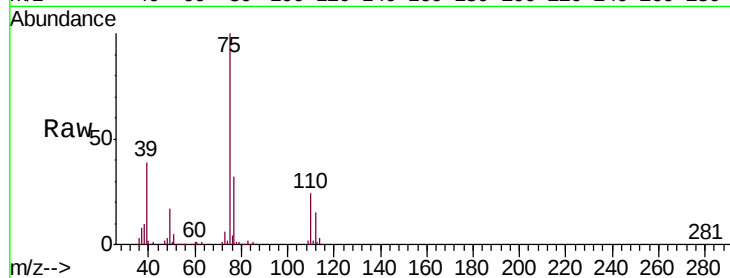




#39
 cis-1,3-Dichloropropene
 Concen: 48.410 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

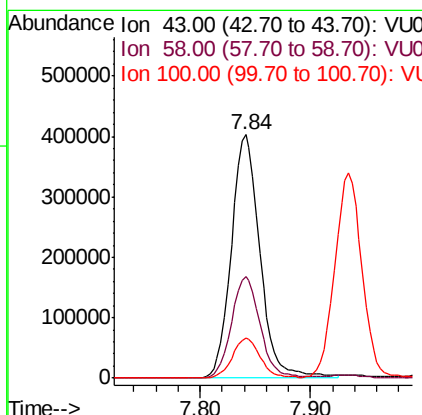
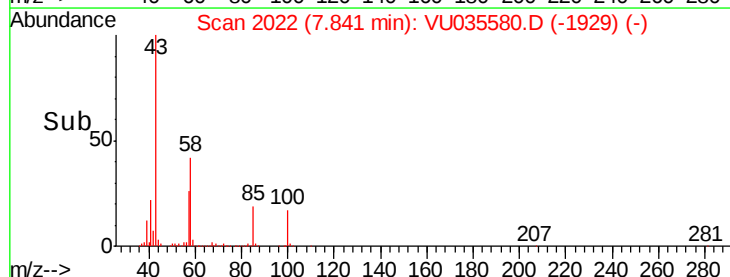
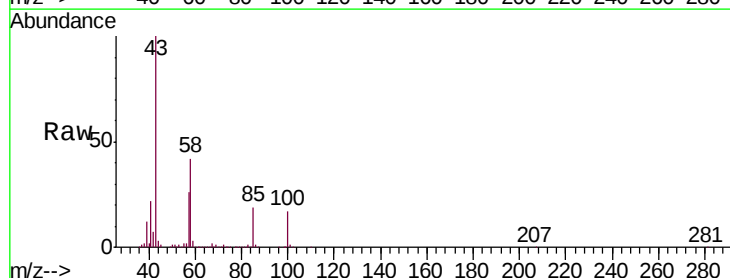
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

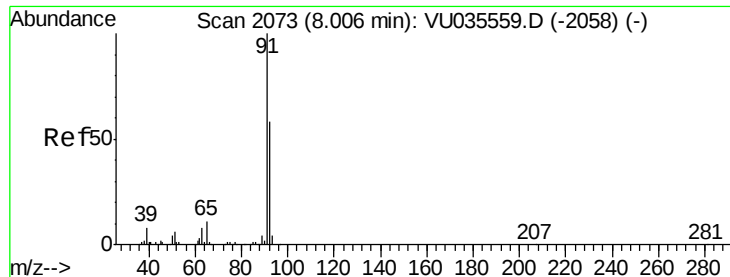
Tgt Ion: 75 Resp: 388264
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 100.843 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion: 43 Resp: 727961
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.6 49.0
 100 16.0 12.6 19.0





#42

Toluene

Concen: 50.188 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

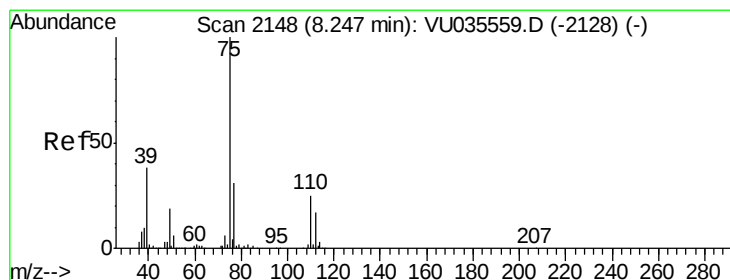
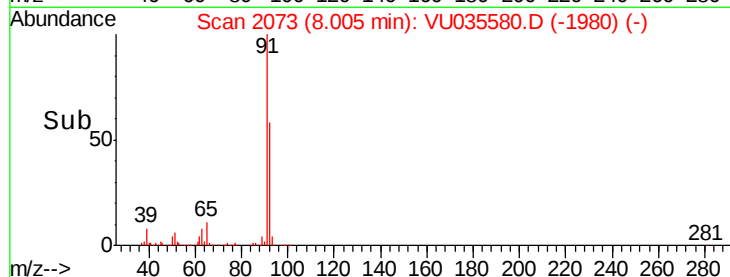
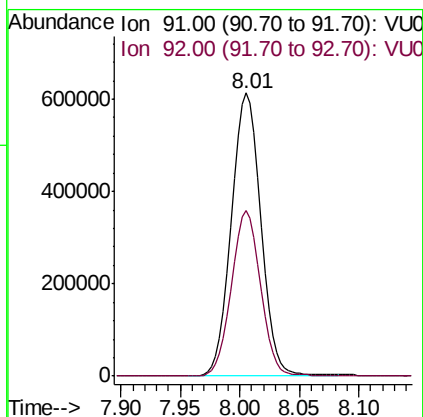
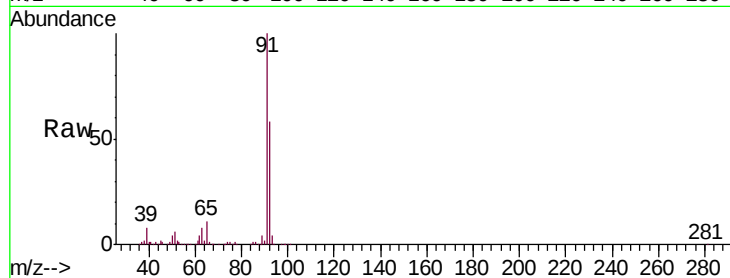
VSTD05060

Tgt Ion: 91 Resp: 1059876

Ion Ratio Lower Upper

91 100

92 58.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 47.398 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035580.D

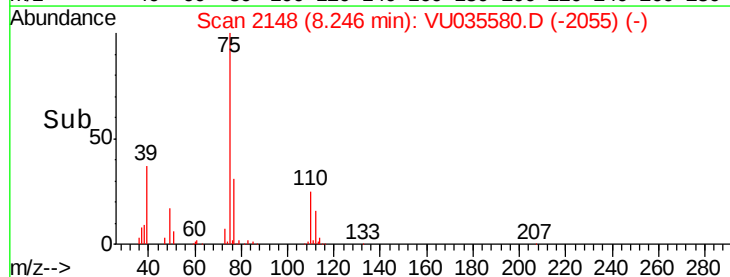
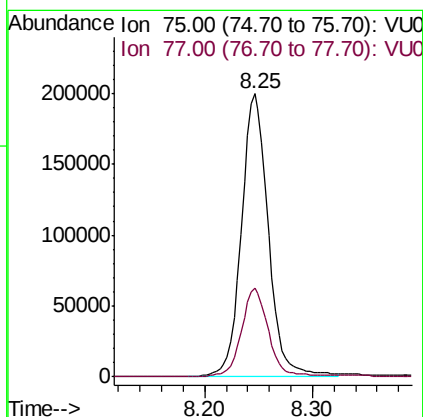
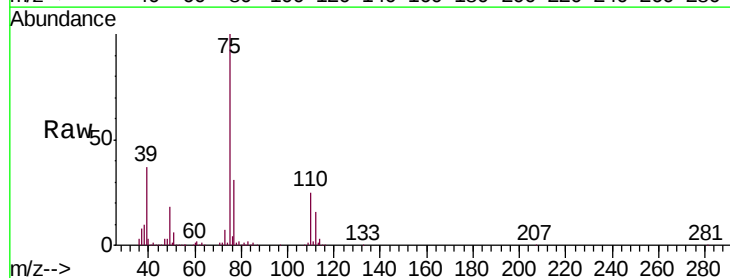
Acq: 30 Oct 2019 23:16

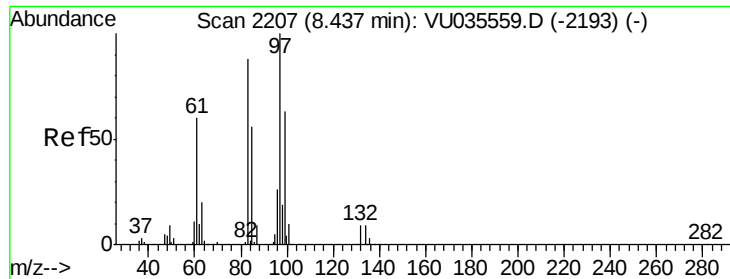
Tgt Ion: 75 Resp: 348462

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

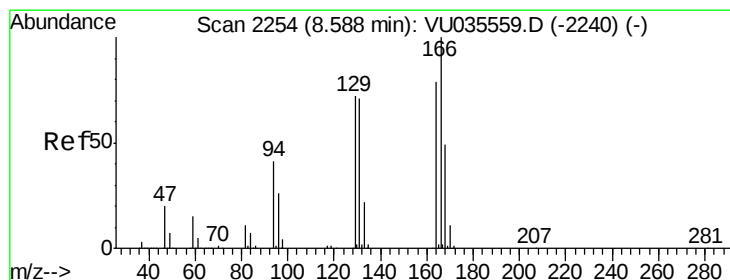
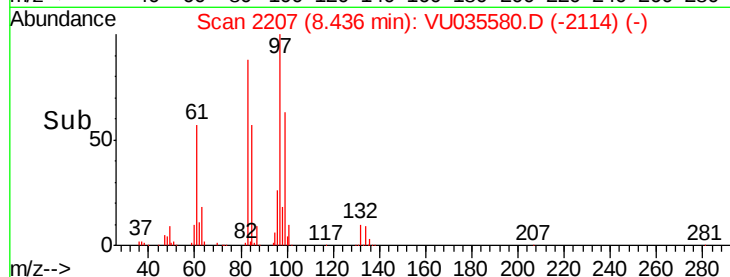
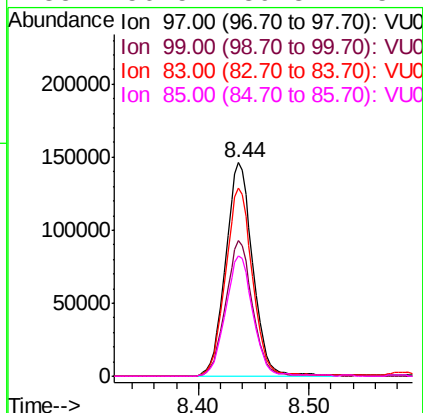
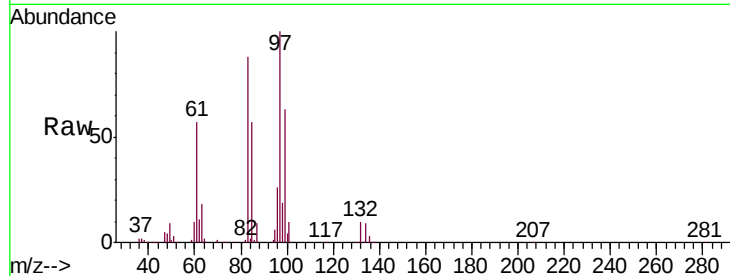




#45
 1,1,2-Trichloroethane
 Concen: 48.485 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

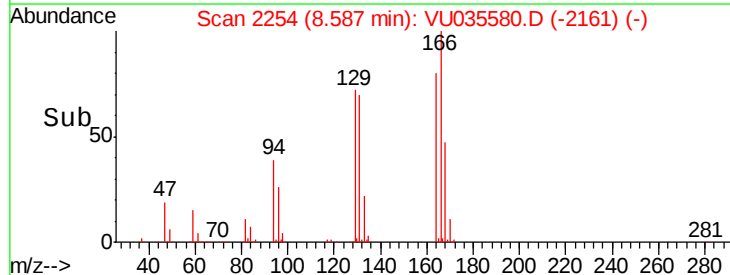
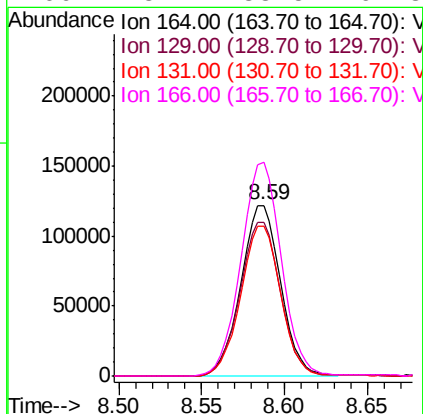
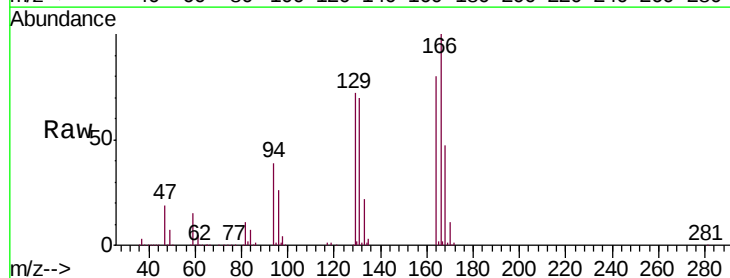
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

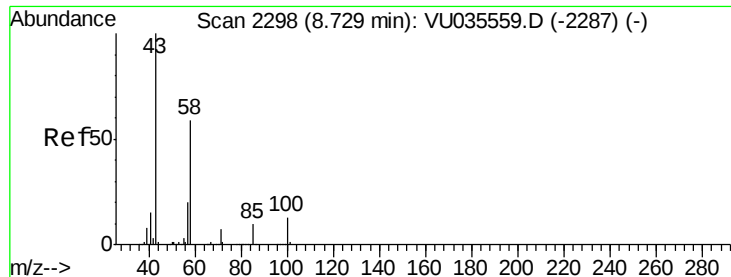
Tgt Ion:	97	Resp:	250764
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	88.3	61.5	114.3
85	56.5	39.3	73.1



#46
 Tetrachloroethene
 Concen: 47.405 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion:	164	Resp:	203047
Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.1	119.1
131	88.3	63.1	117.1
166	125.4	88.5	164.3

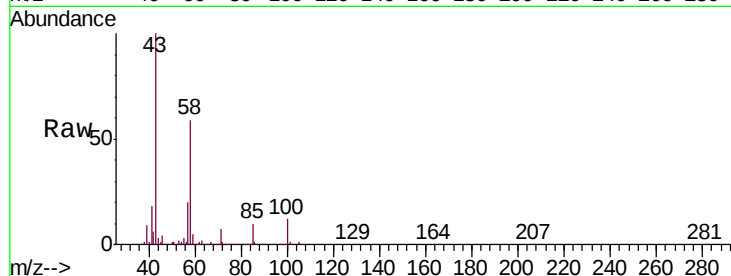




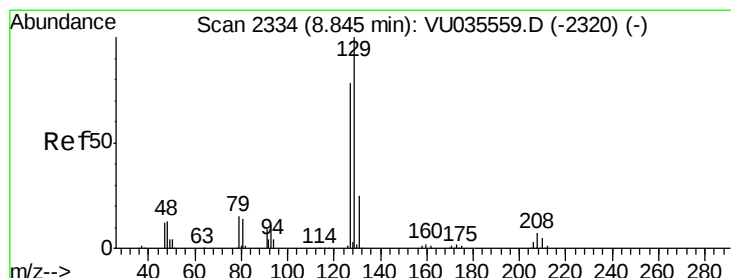
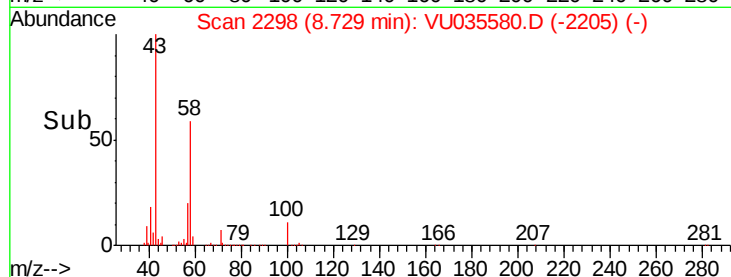
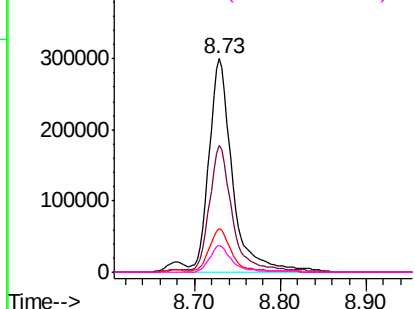
#48
2-Hexanone
Concen: 98.059 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion: 43 Resp: 575635
Ion Ratio Lower Upper
43 100
58 58.8 50.4 75.6
57 20.2 17.4 26.0
100 12.4 10.5 15.7

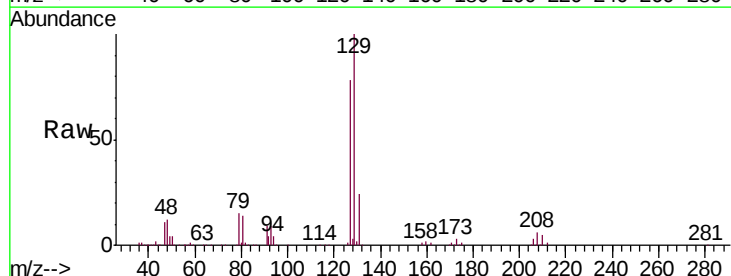


Abundance Ion 43.00 (42.70 to 43.70): VU035559.D (-2287) (-)
Ion 58.00 (57.70 to 58.70): VU035559.D (-2287) (-)
Ion 57.00 (56.70 to 57.70): VU035559.D (-2287) (-)
Ion 100.00 (99.70 to 100.70): VU035559.D (-2287) (-)

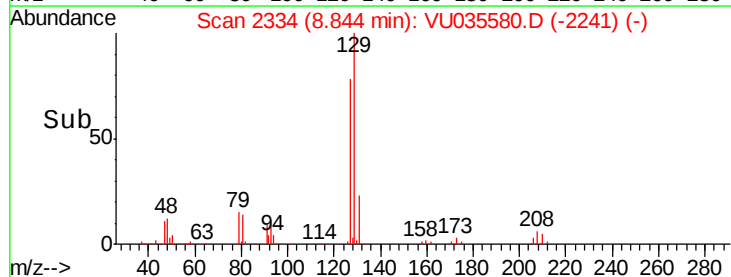
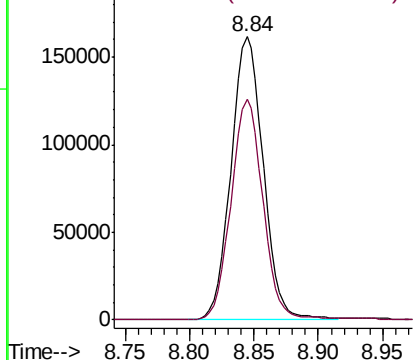


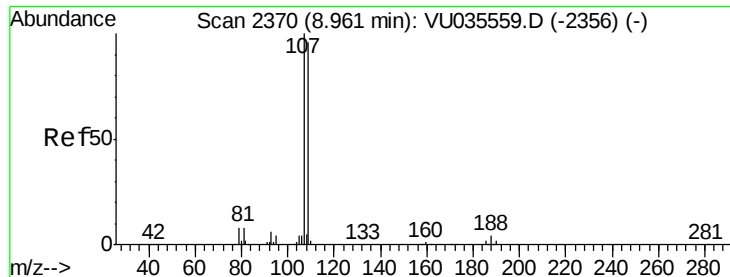
#49
Dibromochloromethane
Concen: 48.277 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Tgt Ion: 129 Resp: 281575
Ion Ratio Lower Upper
129 100
127 77.8 54.9 101.9



Abundance Ion 129.00 (128.70 to 129.70): VU035559.D (-2320) (-)
Ion 127.00 (126.70 to 127.70): VU035559.D (-2320) (-)

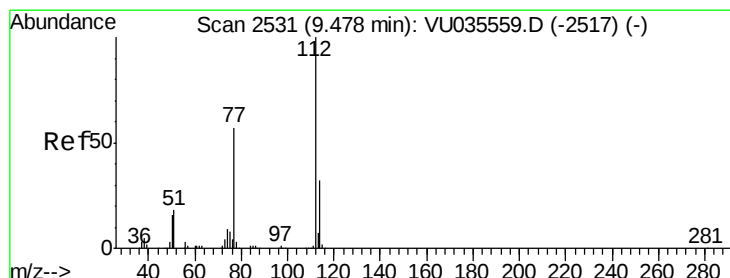
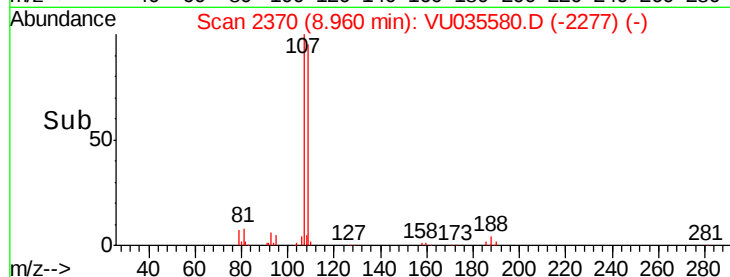
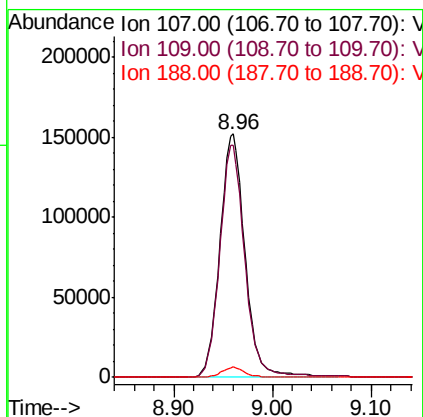
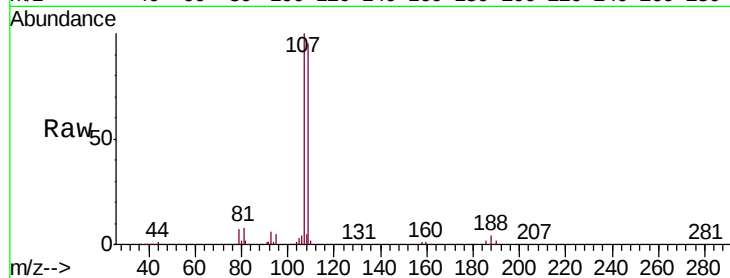




#50
1,2-Dibromoethane
Concen: 49.330 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

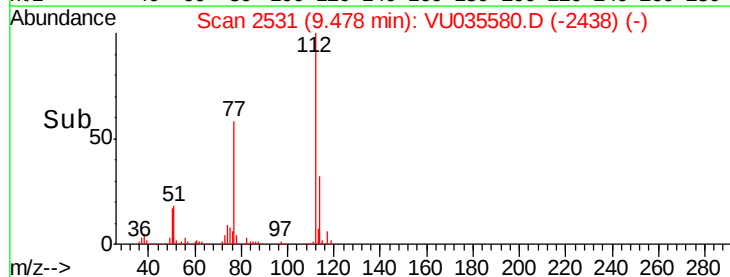
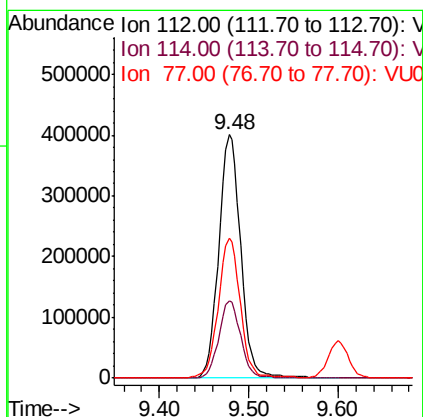
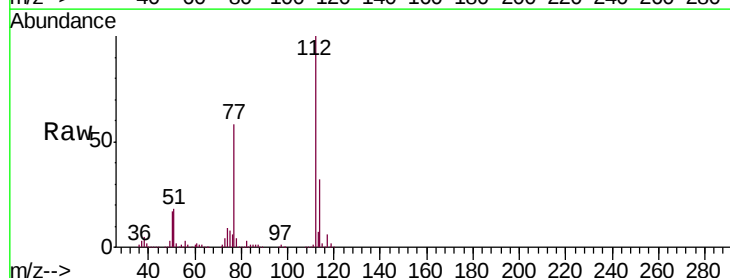
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

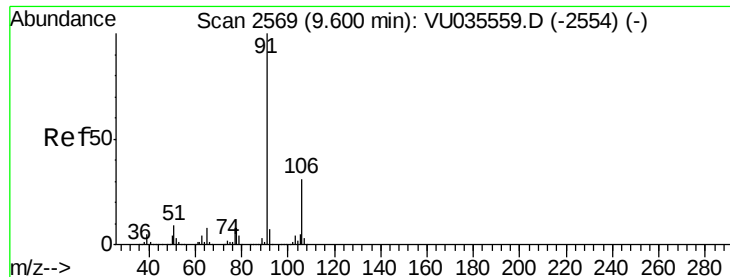
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.8	124.2
188	4.3	3.2	4.8



#51
Chlorobenzene
Concen: 48.339 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035580.D
Acq: 30 Oct 2019 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.3
77	57.6	45.9	68.9





#52

Ethylbenzene

Concen: 49.749 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

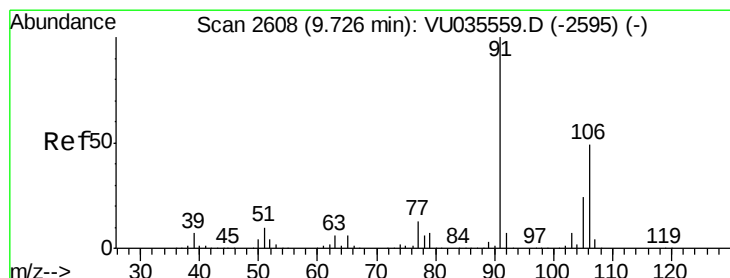
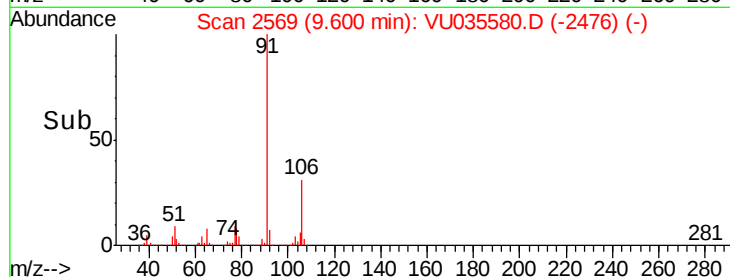
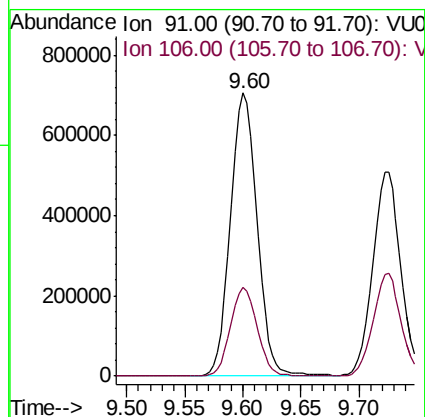
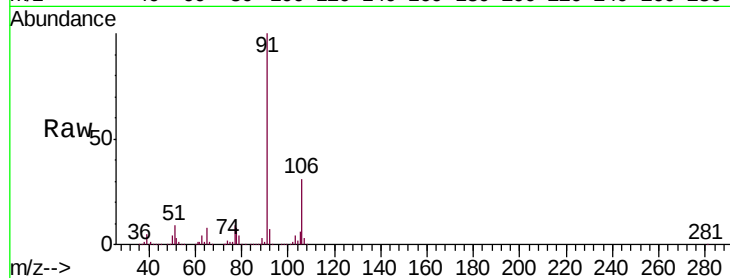
VSTD05060

Tgt Ion: 91 Resp: 1123163

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.0



#53

m,p-Xylene

Concen: 50.966 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035580.D

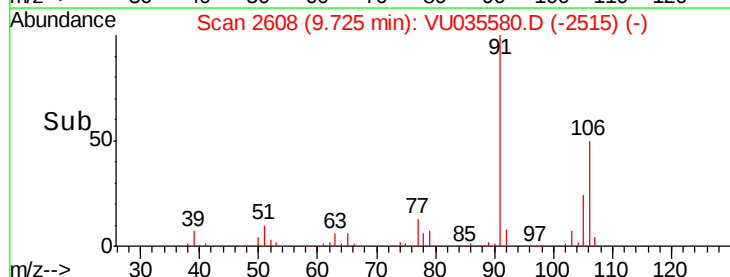
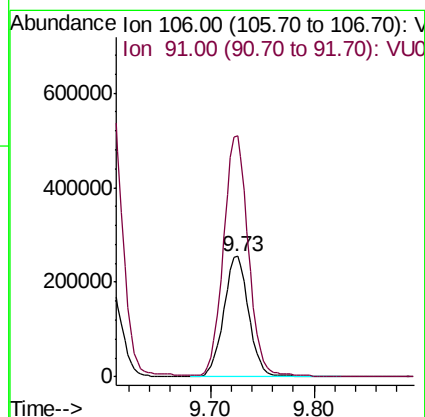
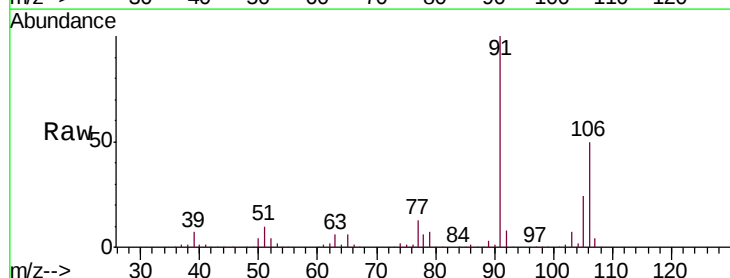
Acq: 30 Oct 2019 23:16

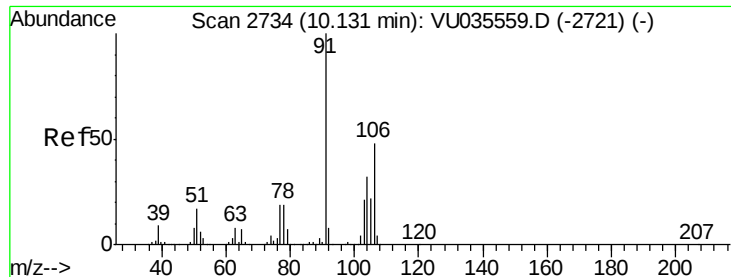
Tgt Ion: 106 Resp: 431763

Ion Ratio Lower Upper

106 100

91 199.5 142.7 264.9





#54

o-xylene

Concen: 51.413 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

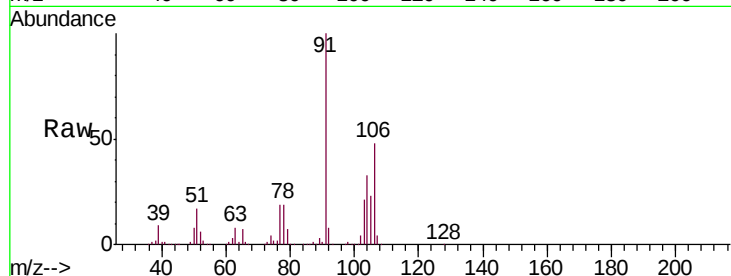
VSTD05060

Tgt Ion:106 Resp: 425699

Ion Ratio Lower Upper

106 100

91 210.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

500000

400000

300000

200000

100000

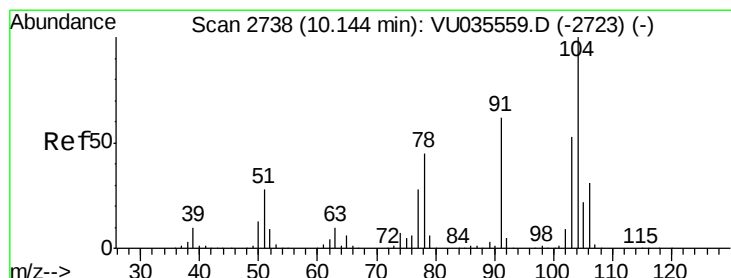
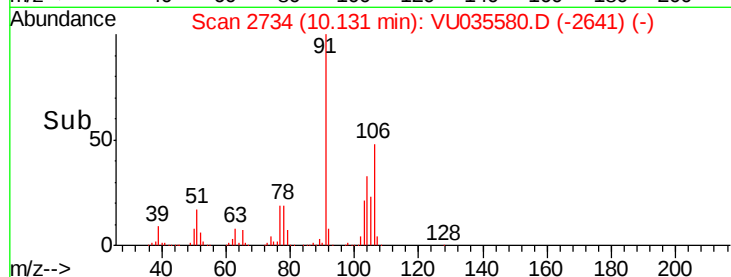
0

10.10

10.13

10.20

Time-->



#55

Styrene

Concen: 51.675 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035580.D

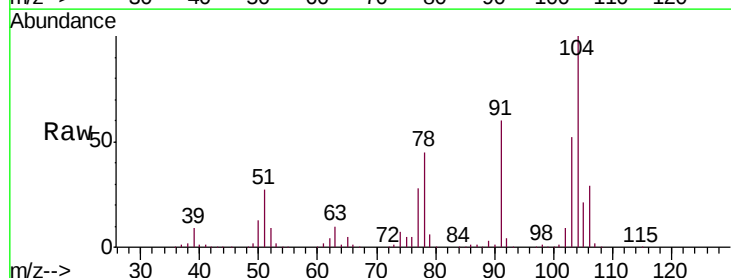
Acq: 30 Oct 2019 23:16

Tgt Ion:104 Resp: 710089

Ion Ratio Lower Upper

104 100

78 44.8 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

500000

400000

300000

200000

100000

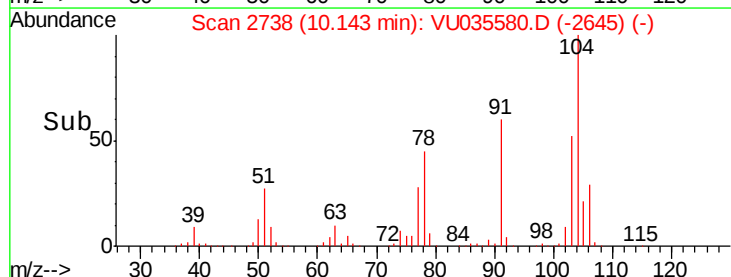
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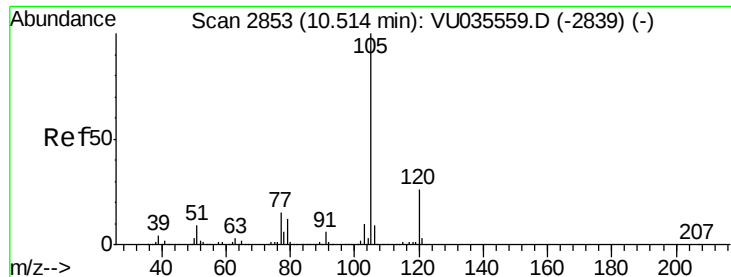
10.10

10.14

10.20

Time-->





#56

Isopropylbenzene

Concen: 51.082 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

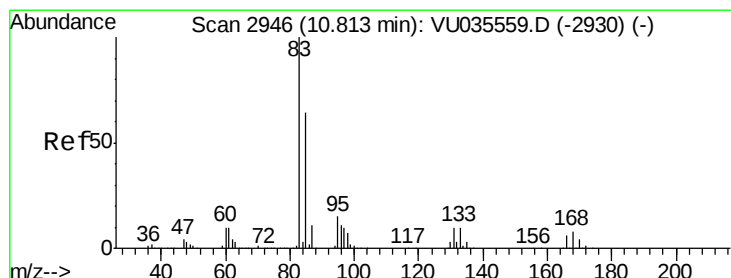
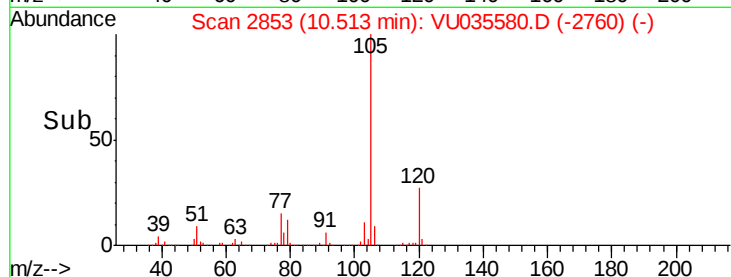
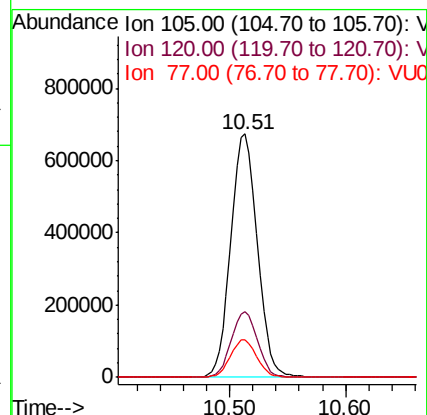
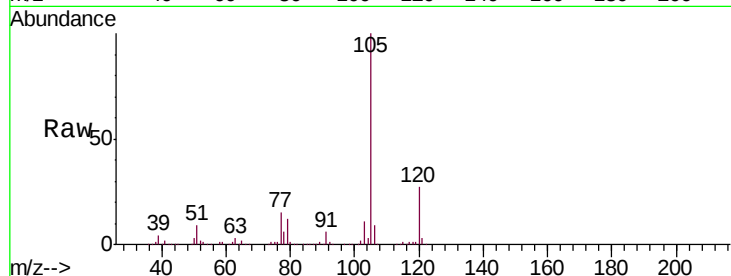
Tgt Ion:105 Resp: 1062878

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

77 15.3 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 48.713 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

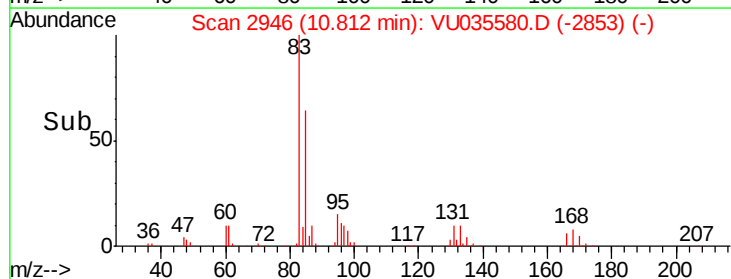
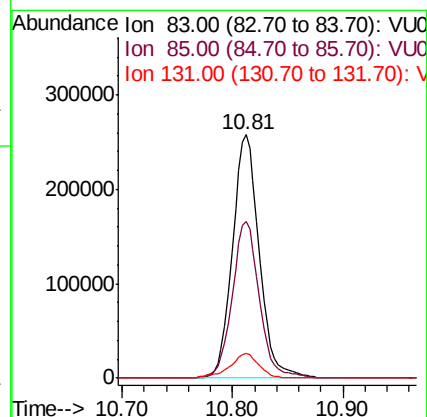
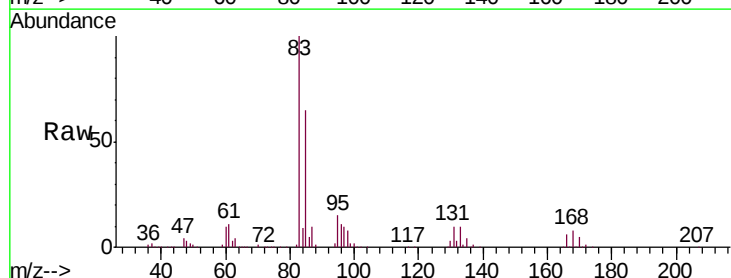
Tgt Ion: 83 Resp: 433964

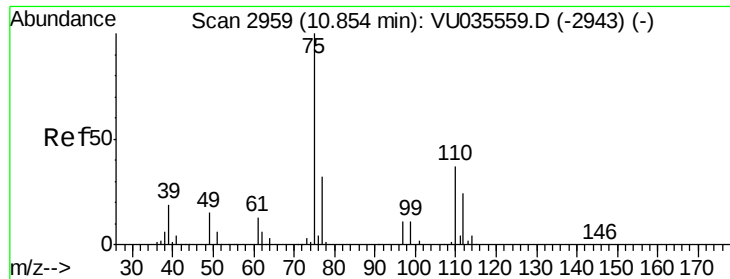
Ion Ratio Lower Upper

83 100

85 64.6 44.6 82.8

131 10.1 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 48.515 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

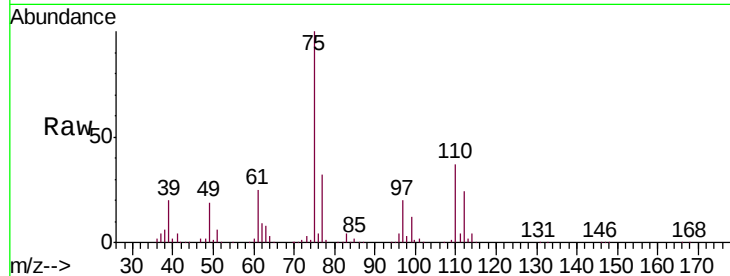
VSTD05060

Tgt Ion: 75 Resp: 341337

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035559.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035559.D (-2943) (-)

10.85

200000

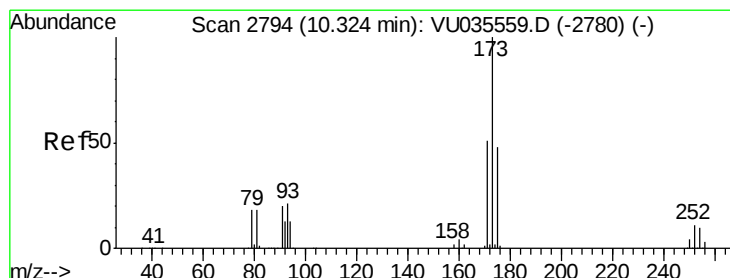
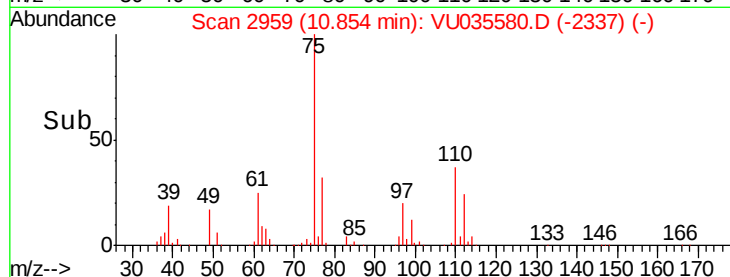
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 44.430 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

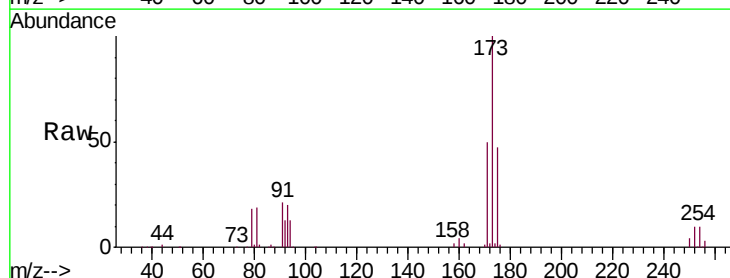
Tgt Ion: 173 Resp: 224735

Ion Ratio Lower Upper

173 100

175 47.9 39.4 59.0

254 10.1 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU035559.D (-2780) (-)

Ion 175.00 (174.70 to 175.70): VU035559.D (-2780) (-)

Ion 254.00 (253.70 to 254.70): VU035559.D (-2780) (-)

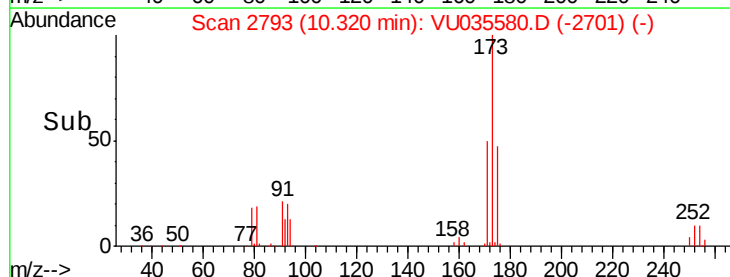
150000

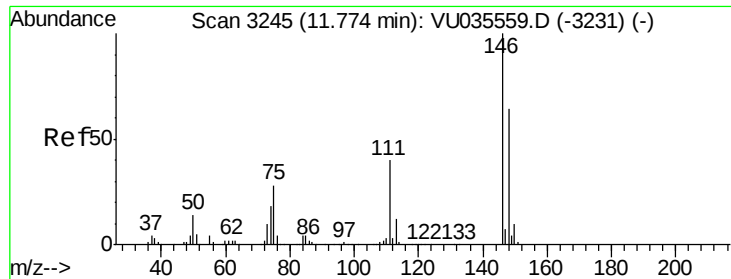
100000

50000

0

Time-->

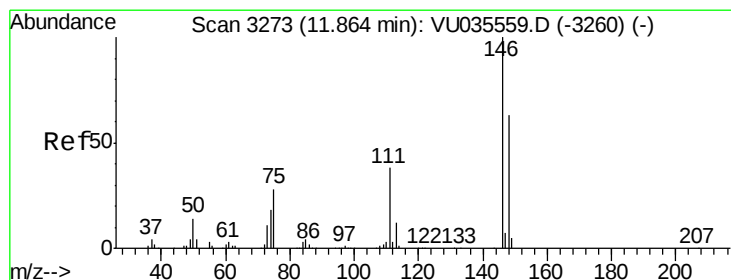
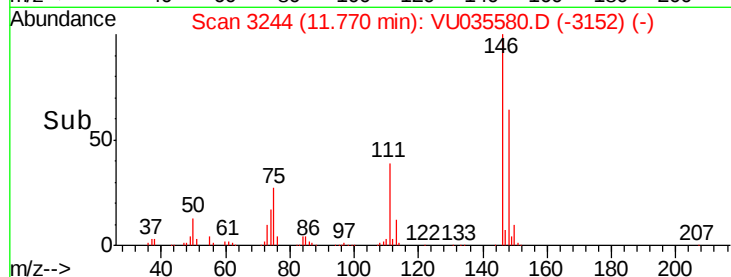
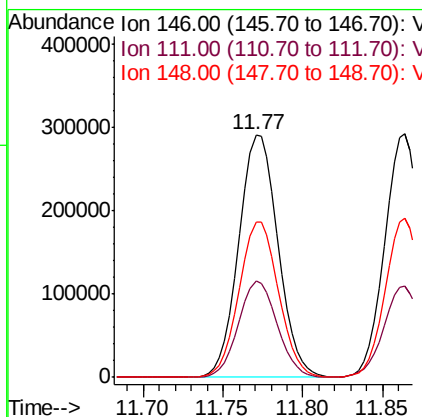
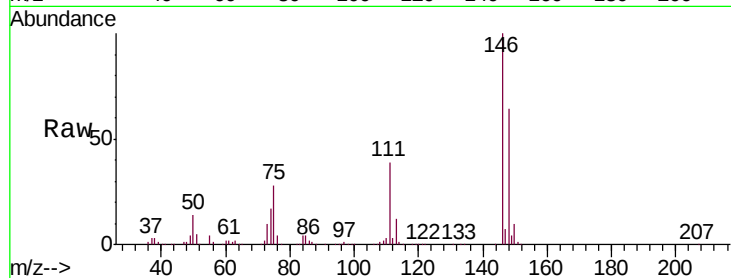




#62
 1,3-Dichlorobenzene
 Concen: 46.602 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

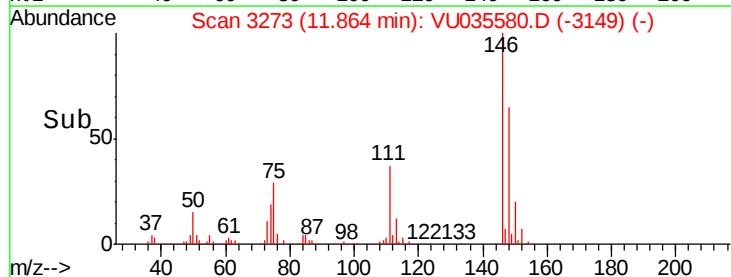
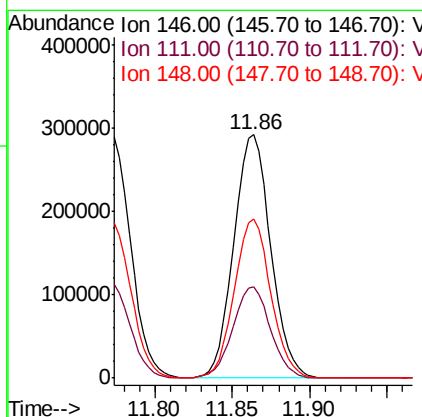
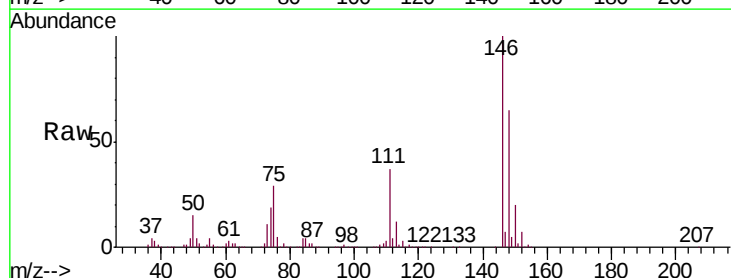
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

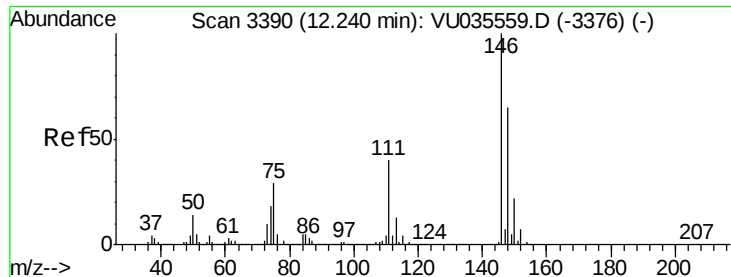
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.8	51.6
148	63.9	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 45.562 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.5	49.1
148	65.4	44.4	82.5

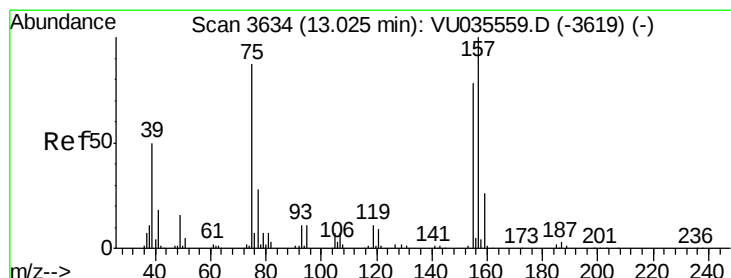
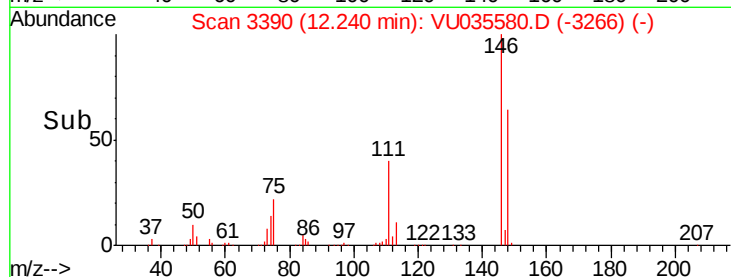
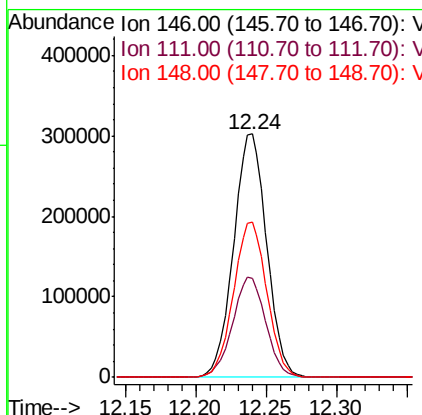
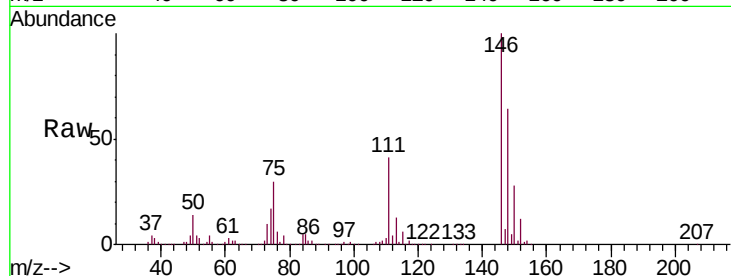




#65
 1,2-Dichlorobenzene
 Concen: 46.612 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

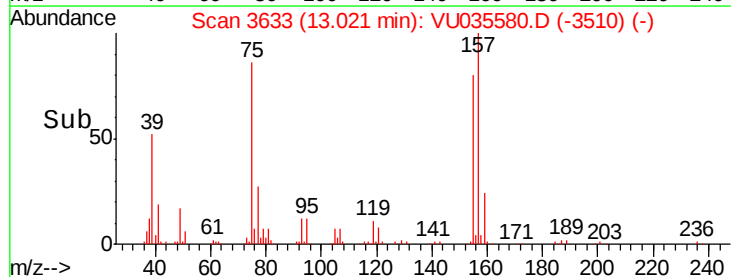
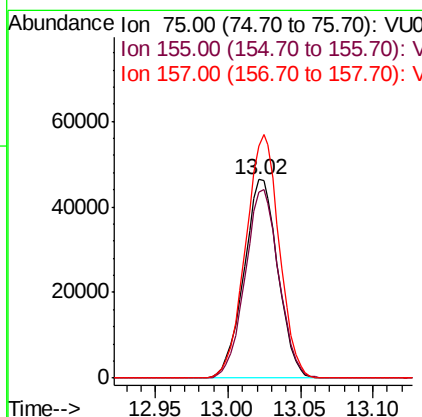
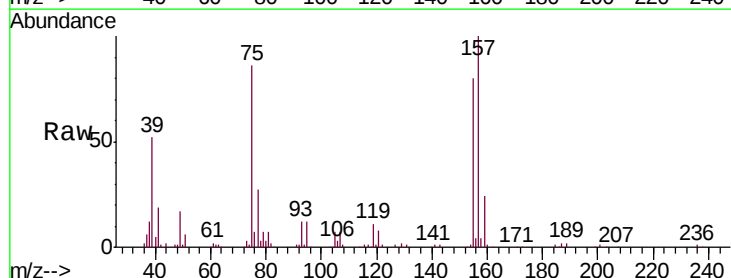
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

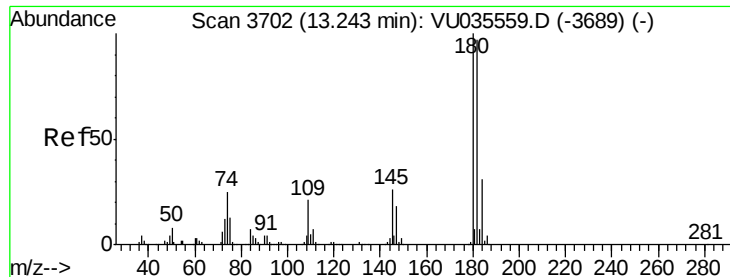
Tgt Ion: 146 Resp: 496332
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.4 48.6
 148 63.6 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.727 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion: 75 Resp: 75494
 Ion Ratio Lower Upper
 75 100
 155 93.6 72.2 108.4
 157 116.9 92.1 138.1

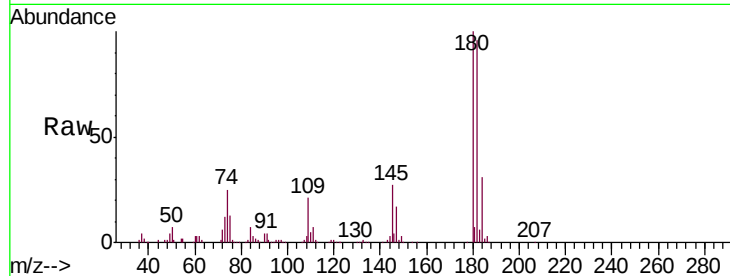




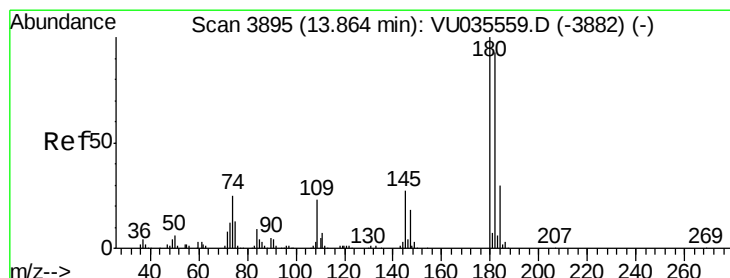
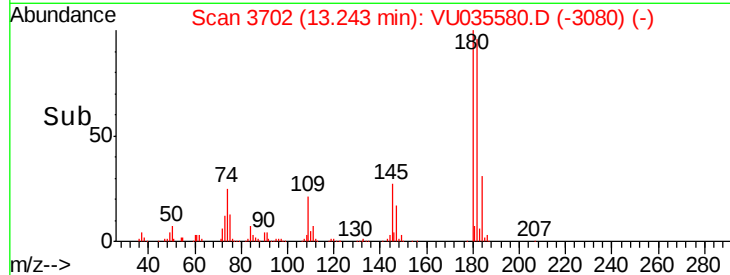
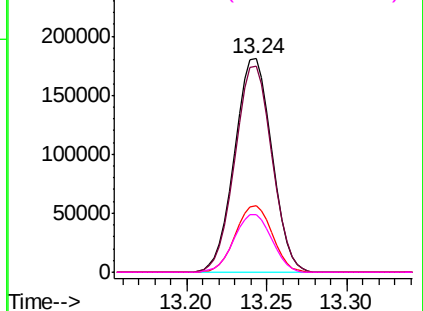
#67
 1,3,5-Trichlorobenzene
 Concen: 47.570 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion:	180	Resp:	287450
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
184	30.9	24.6	36.8
145	27.2	21.7	32.5

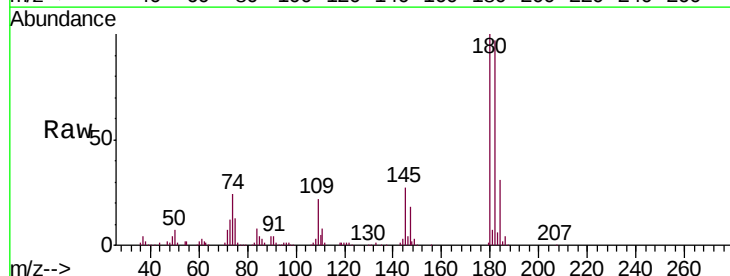


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

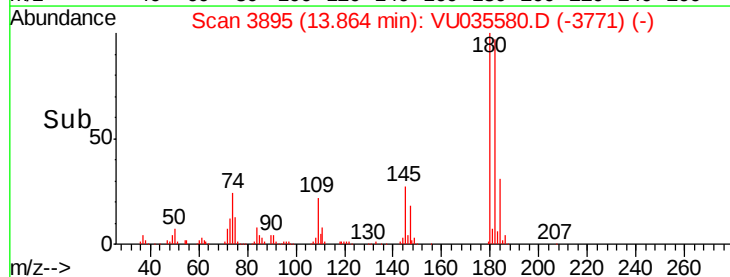
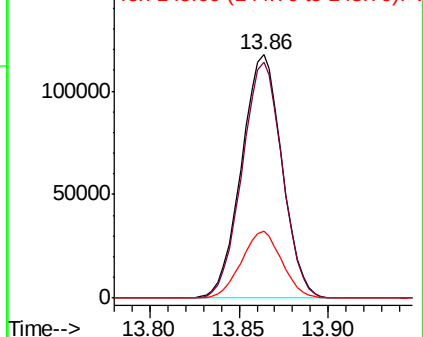


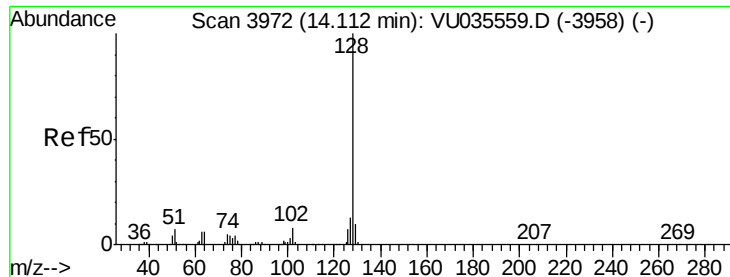
#68
 1,2,4-trichlorobenzene
 Concen: 46.239 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035580.D
 Acq: 30 Oct 2019 23:16

Tgt Ion:	180	Resp:	187163
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
145	27.3	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: 47.045 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

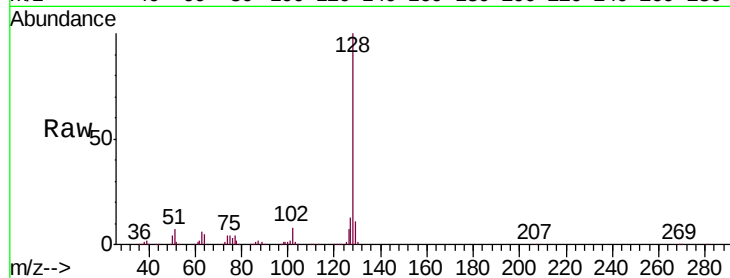
Tgt Ion:128 Resp: 488434

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

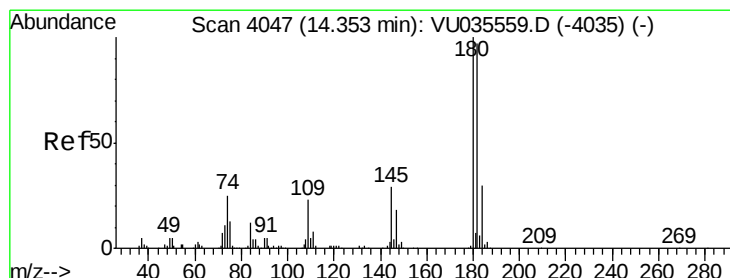
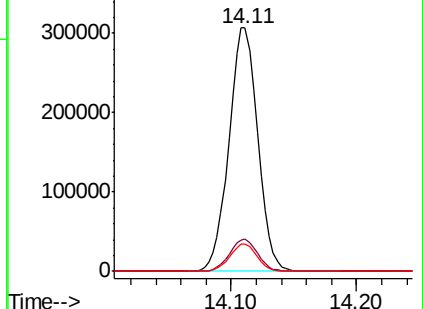
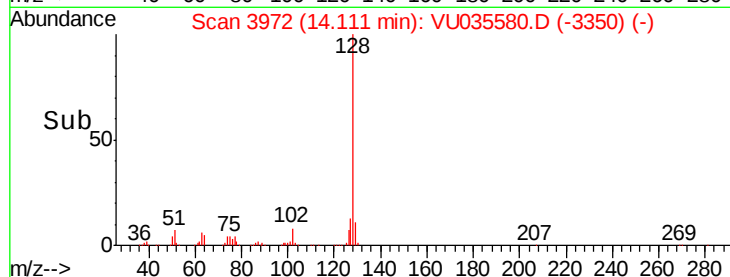
129 10.7 8.5 12.7



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: 47.999 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035580.D

Acq: 30 Oct 2019 23:16

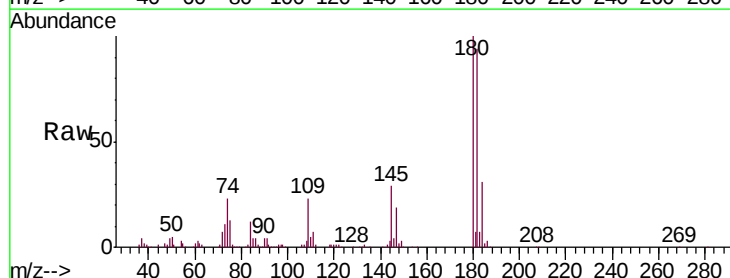
Tgt Ion:180 Resp: 209340

Ion Ratio Lower Upper

180 100

182 95.0 77.6 116.4

145 29.3 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

