

Data File : VU036279.D
Acq On : 19 Dec 2019 09:20
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Quant Time: Dec 20 03:12:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 19 14:35:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	271791	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	286263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	152609	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	132729	5.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.00%
7) Chloroethane-d5	1.93	69	113451	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.59	63	180667	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	4.69	46	223943	49.94	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.88%
24) Chloroform-d	5.11	84	190081	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.75	65	96521	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.77	84	356533	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.73	67	108585	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.93	98	343577	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	8.21	79	47652	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.67	63	194995	54.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.34%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	103047	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	128594	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	145572	4.799 ug/L	98
3) Chloromethane	1.54	50	152960	4.019 ug/L	98
5) Vinyl chloride	1.62	62	169819	4.702 ug/L	98
6) Bromomethane	1.87	94	105502	5.846 ug/L	100
8) Chloroethane	1.95	64	102910	4.772 ug/L	100
9) Trichlorofluoromethane	2.16	101	223905	4.920 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	109058	5.001 ug/L	98
12) 1,1-Dichloroethene	2.61	96	100956	5.007 ug/L	92
13) Acetone	2.68	43	177734	45.482 ug/L	99
14) Carbon disulfide	2.82	76	316531	4.679 ug/L	100
15) Methyl Acetate	2.99	43	42128	5.336 ug/L	99
16) Methylene chloride	3.08	84	122270	4.125 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	215640	4.990 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	104725	4.959 ug/L	97
19) 1,1-Dichloroethane	3.92	63	191763	4.919 ug/L	100
21) 2-Butanone	4.77	43	273761	52.426 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	107638	4.752 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 19 14:35:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	55233	5.039	ug/L	96
25) Chloroform	5.13	83	204597	4.851	ug/L	98
27) 1,2-Dichloroethane	5.84	62	127998	5.117	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	177901	5.048	ug/L	99
30) Cyclohexane	5.43	56	140139	4.674	ug/L	98
31) Carbon tetrachloride	5.57	117	164451	5.118	ug/L	100
33) Benzene	5.81	78	435559	4.951	ug/L	100
34) Trichloroethene	6.58	95	108805	4.797	ug/L	98
35) Methylcyclohexane	6.80	83	155490	4.822	ug/L	97
37) 1,2-Dichloropropane	6.83	63	111623	4.973	ug/L	98
38) Bromodichloromethane	7.14	83	145054	4.966	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	154445	5.051	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	640899	54.590	ug/L	99
42) Toluene	8.00	91	483650	5.129	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	133568	5.200	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	87436	5.199	ug/L	96
47) Tetrachloroethene	8.58	164	100112	4.887	ug/L	95
48) 2-Hexanone	8.72	43	498079	56.848	ug/L	99
49) Dibromochloromethane	8.84	129	110391	5.311	ug/L	99
50) 1,2-Dibromoethane	8.95	107	82564	5.147	ug/L	99
51) Chlorobenzene	9.47	112	300735	4.829	ug/L	98
52) Ethylbenzene	9.60	91	462860	4.887	ug/L	99
53) m,p-Xylene	9.72	106	182484	5.001	ug/L	100
54) o-Xylene	10.13	106	171709	4.879	ug/L	95
55) Styrene	10.14	104	309899	4.975	ug/L	98
56) Isopropylbenzene	10.51	105	453103	5.013	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	112079	5.234	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	83524	5.599	ug/L	96
61) Bromoform	10.32	173	67764	5.115	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	251589	4.887	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	254262	4.979	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	241004	4.913	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	16366	5.023	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	188380	4.883	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	123004	4.853	ug/L	100
69) Naphthalene	14.10	128	145453	4.511	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	118392	4.830	ug/L	99

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

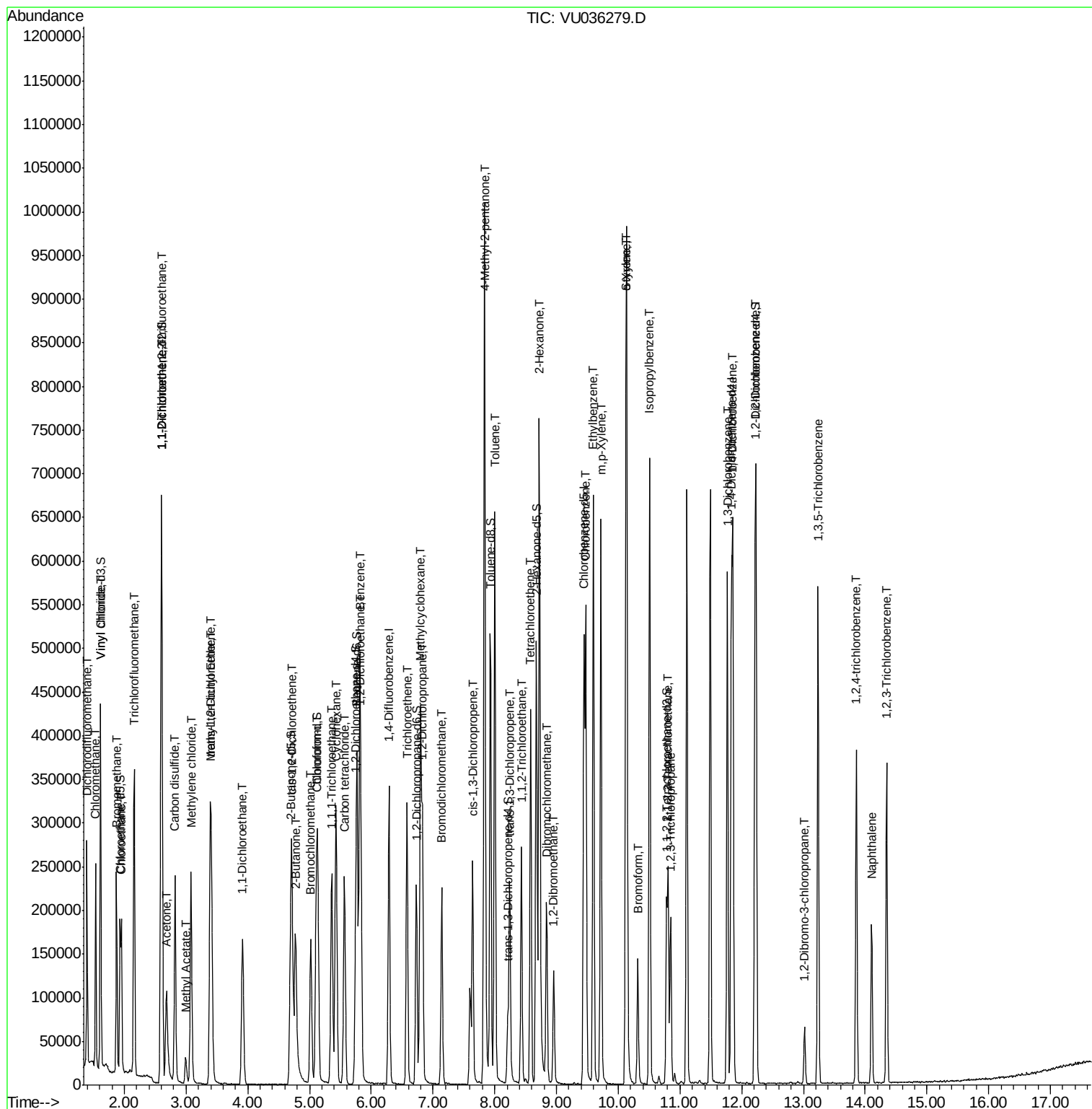
Quant Time: Dec 20 03:12:46 2019

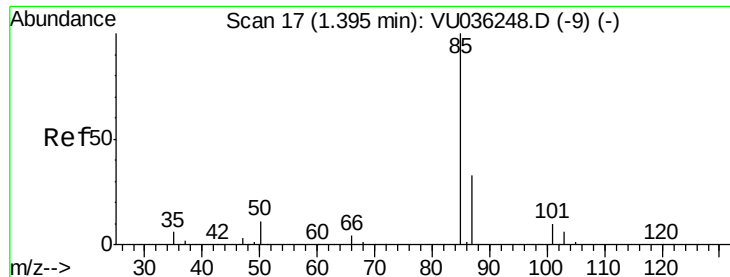
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR121319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Dec 19 14:35:19 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.799 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

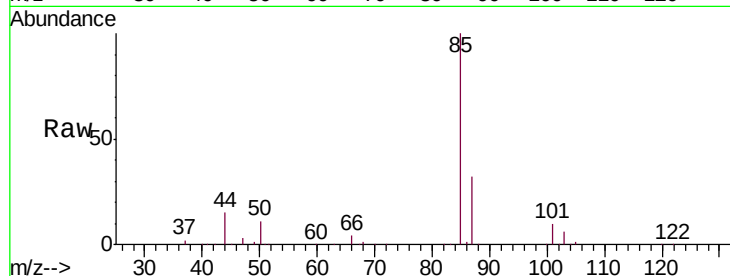
VSTD00521

Tgt Ion: 85 Resp: 145572

Ion Ratio Lower Upper

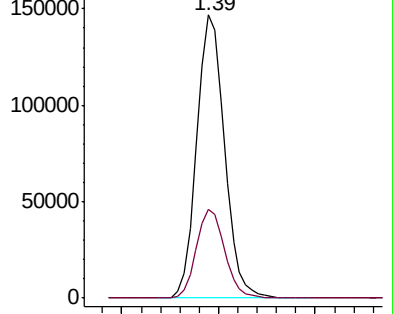
85 100

87 32.1 26.5 39.7

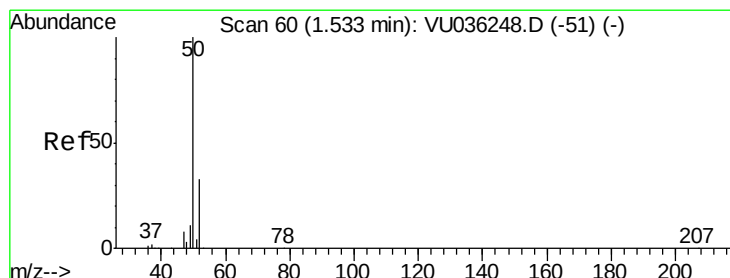
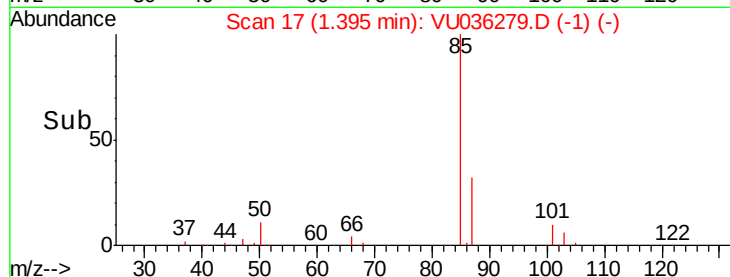


Abundance Ion 85.00 (84.70 to 85.70): VU036248.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036279.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.019 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.01 min

Lab File: VU036279.D

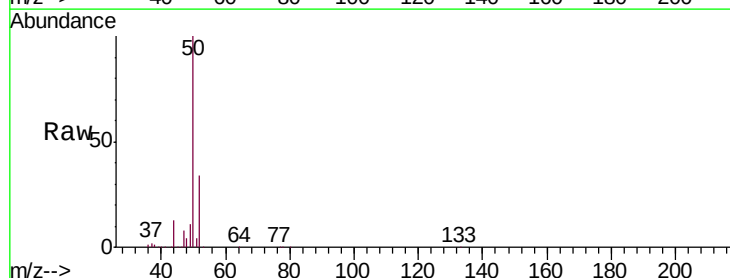
Acq: 19 Dec 2019 09:20

Tgt Ion: 50 Resp: 152960

Ion Ratio Lower Upper

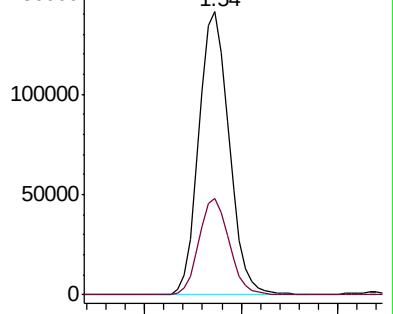
50 100

52 34.1 23.1 42.9

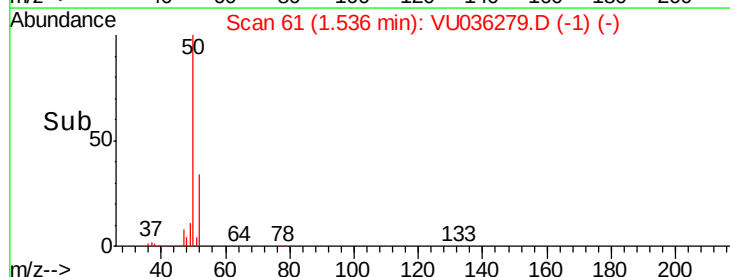


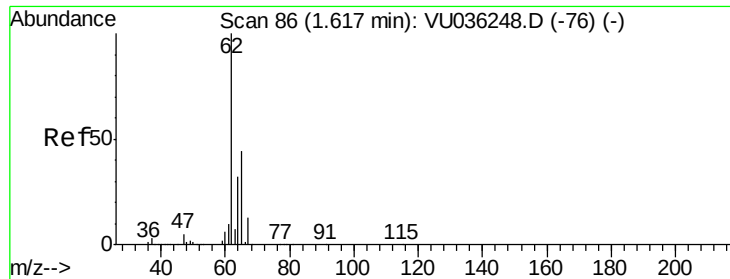
Abundance Ion 50.05 (49.75 to 50.75): VU036248.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036279.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.702 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

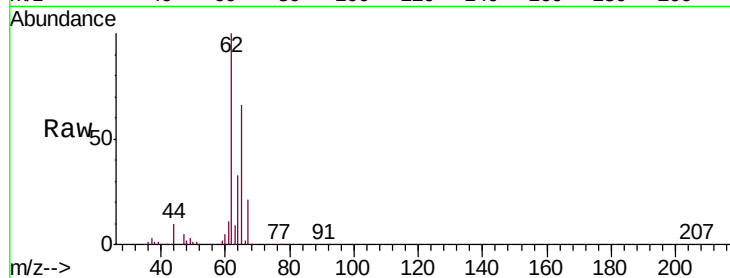
VSTD00521

Tgt Ion: 62 Resp: 169819

Ion Ratio Lower Upper

62 100

64 33.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036279.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036279.D (-76) (-)

1.62

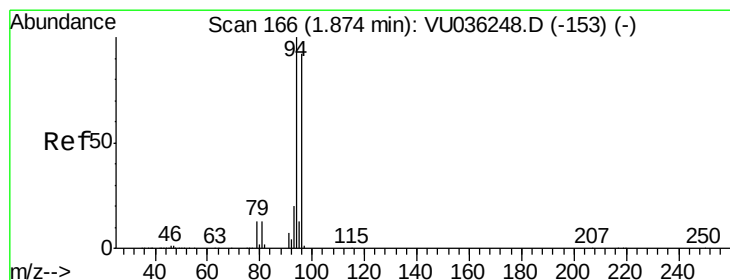
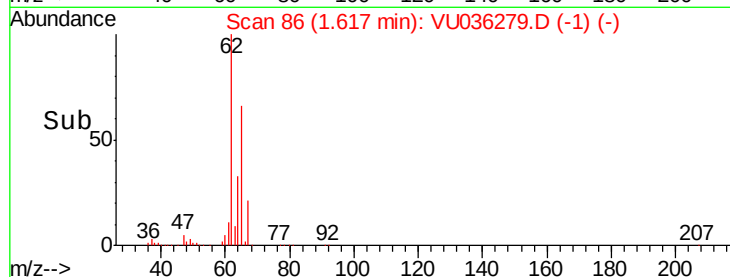
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.846 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036279.D

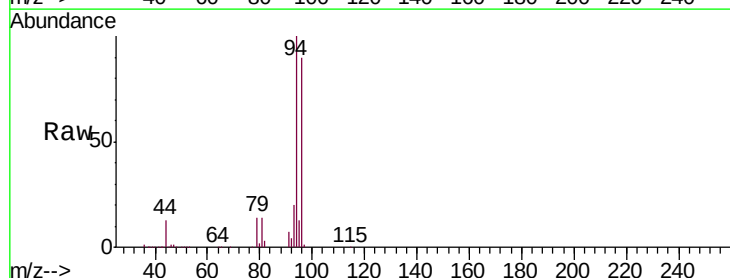
Acq: 19 Dec 2019 09:20

Tgt Ion: 94 Resp: 105502

Ion Ratio Lower Upper

94 100

96 90.1 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036279.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036279.D (-153) (-)

1.87

100000

80000

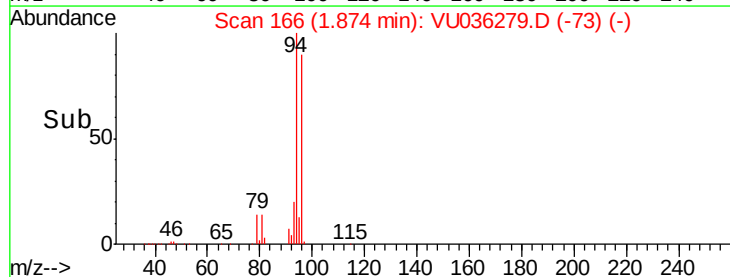
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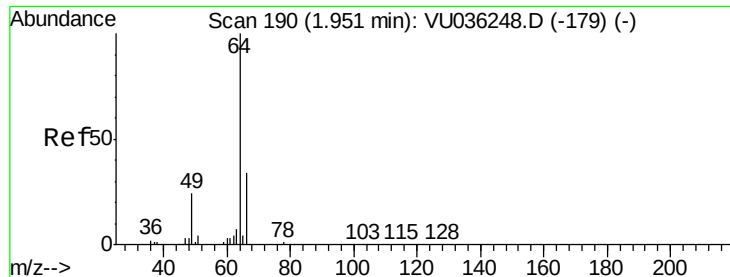
40000

20000

0

Time-->





#8

Chloroethane

Concen: 4.772 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

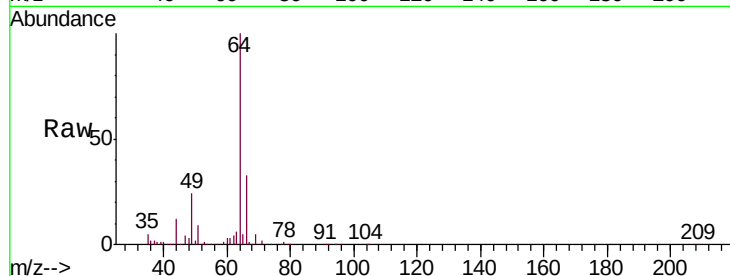
VSTD00521

Tgt Ion: 64 Resp: 102910

Ion Ratio Lower Upper

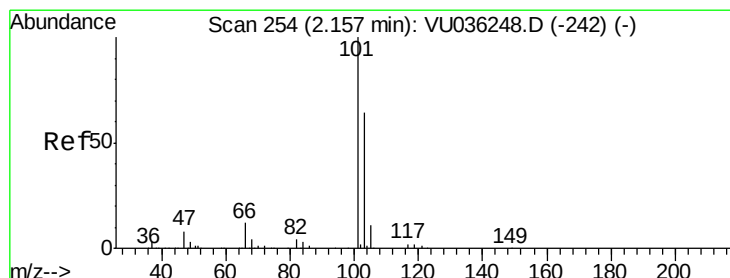
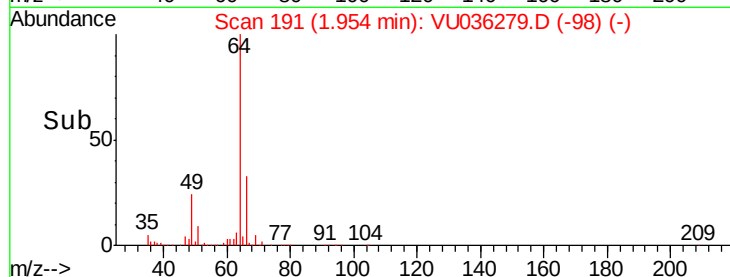
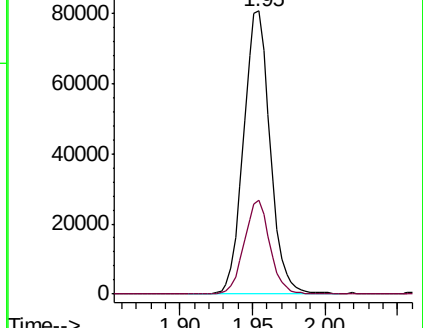
64 100

66 33.0 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036279.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU036279.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 4.920 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036279.D

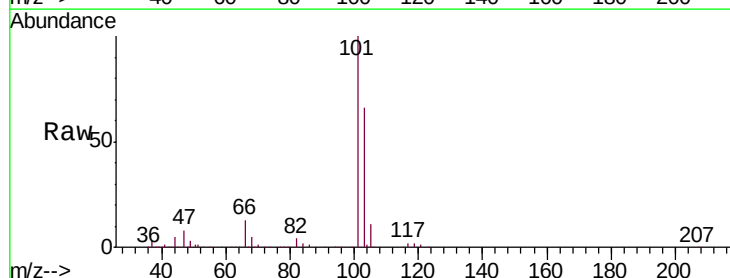
Acq: 19 Dec 2019 09:20

Tgt Ion: 101 Resp: 223905

Ion Ratio Lower Upper

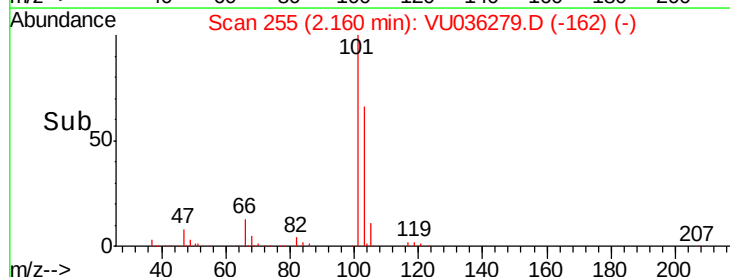
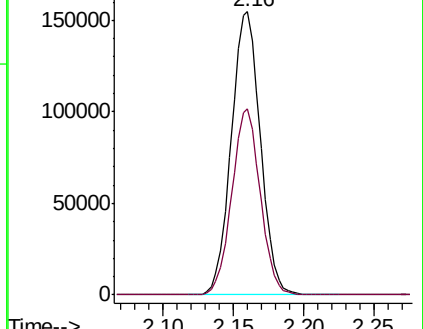
101 100

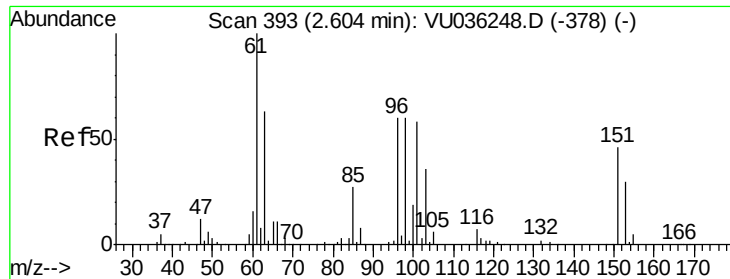
103 64.2 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036279.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036279.D (-242) (-)





#10

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

Concen: 5.001 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

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ClientSampleId :

VSTD00521

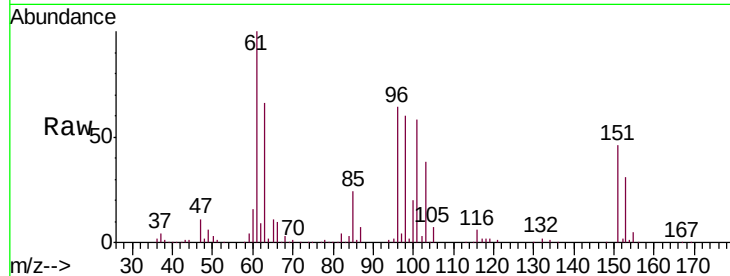
Tgt Ion: 101 Resp: 109058

Ion Ratio Lower Upper

101 100

85 42.1 35.0 52.6

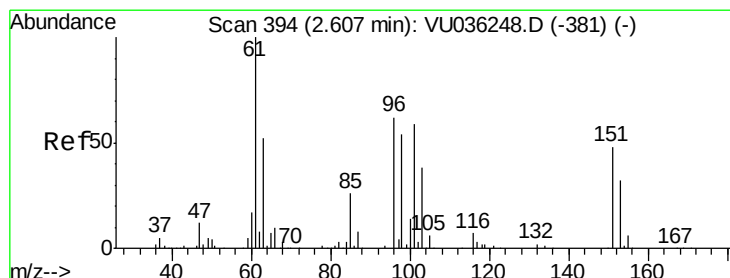
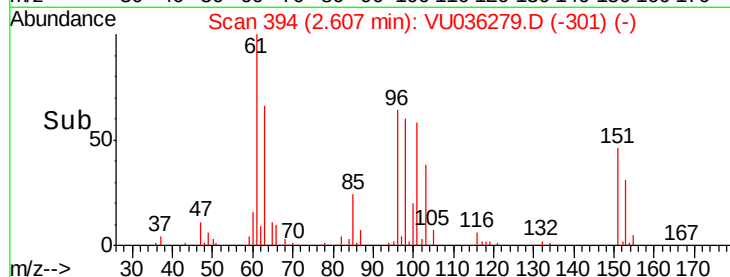
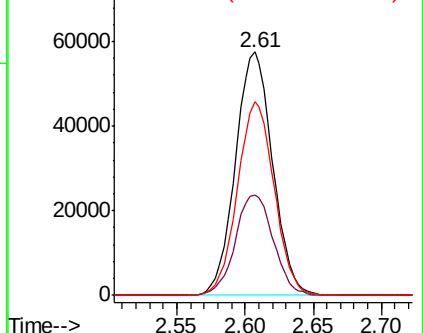
151 78.5 63.9 95.9



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: 5.007 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

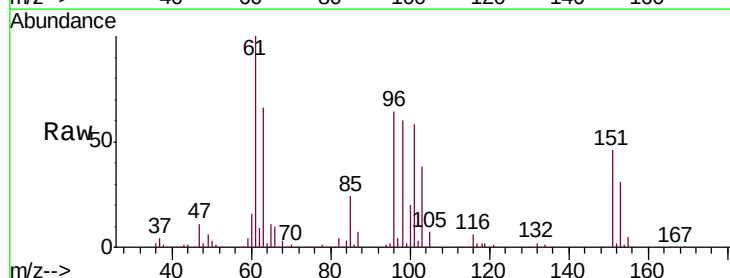
Tgt Ion: 96 Resp: 100956

Ion Ratio Lower Upper

96 100

61 156.0 114.0 211.8

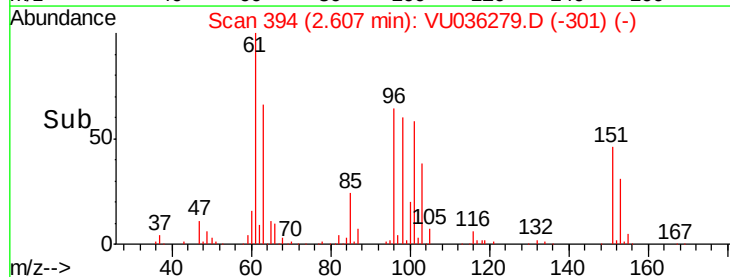
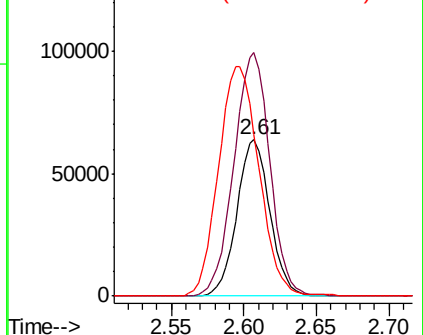
63 103.3 63.6 118.0

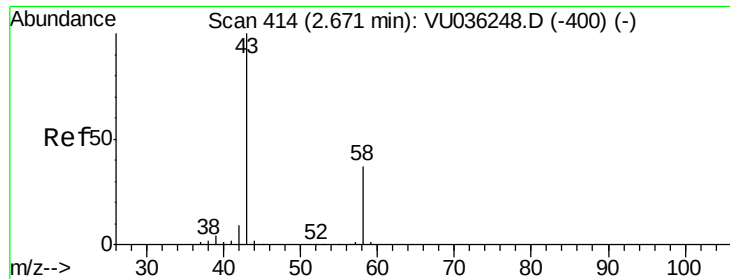


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.482 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.03 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

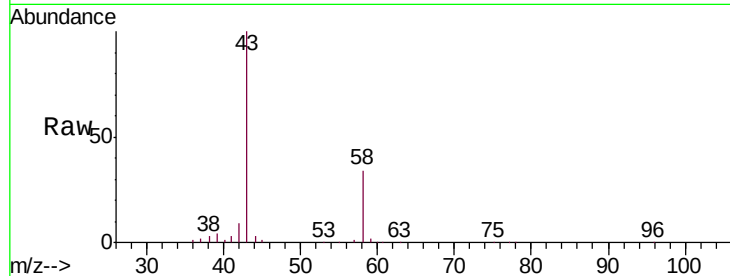
VSTD00521

Tgt Ion: 43 Resp: 177734

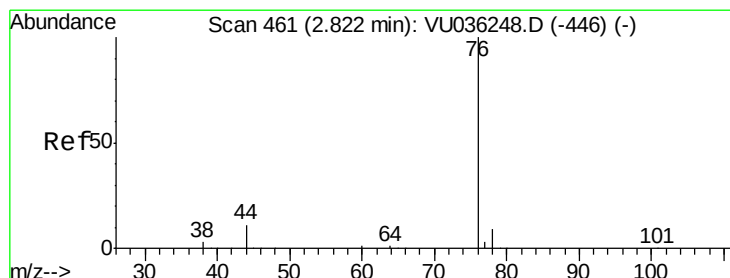
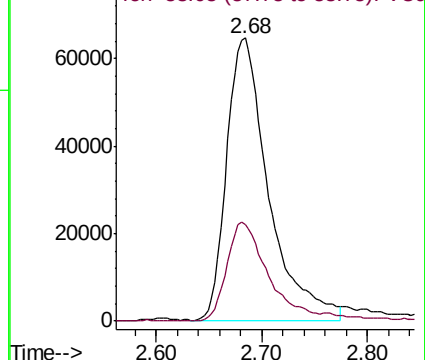
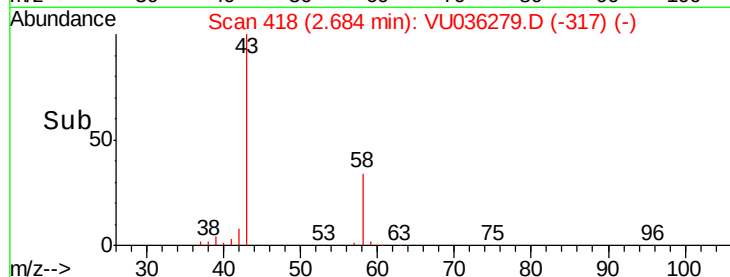
Ion Ratio Lower Upper

43 100

58 34.4 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036279.D (-317) (-)



#14

Carbon disulfide

Concen: 4.679 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036279.D

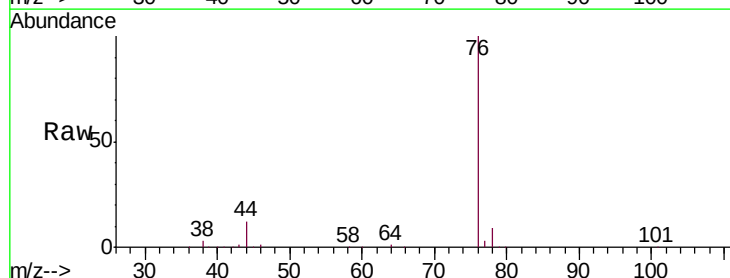
Acq: 19 Dec 2019 09:20

Tgt Ion: 76 Resp: 316531

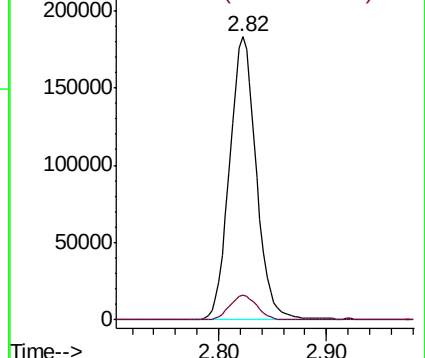
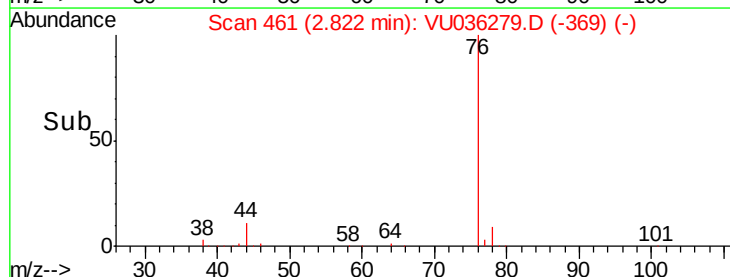
Ion Ratio Lower Upper

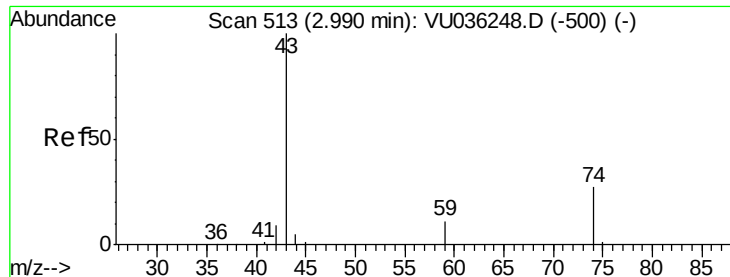
76 100

78 8.7 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036279.D (-369) (-)





#15

Methyl Acetate

Concen: 5.336 ug/L

RT: 2.99 min Scan# 514

Delta R.T. 0.01 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

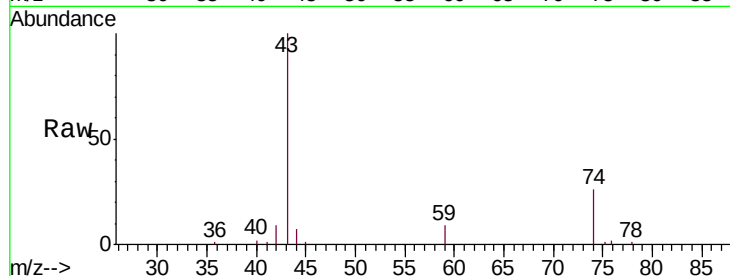
VSTD00521

Tgt Ion: 43 Resp: 42128

Ion Ratio Lower Upper

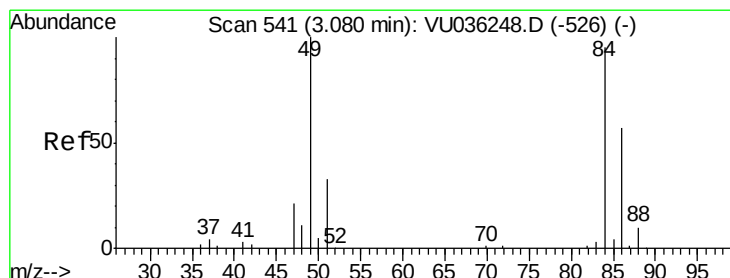
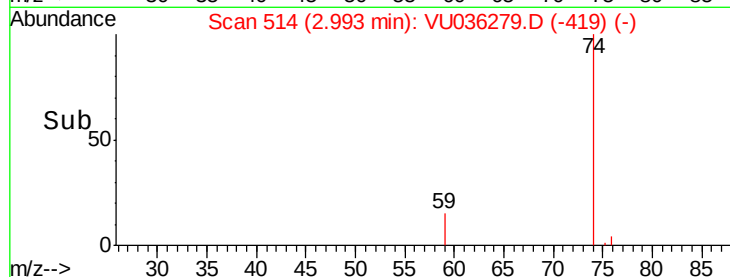
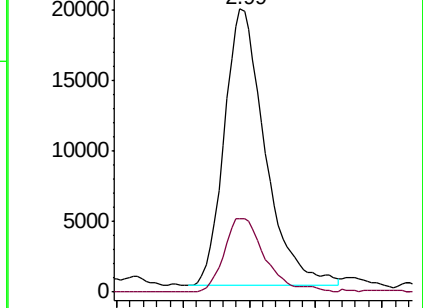
43 100

74 25.7 20.8 31.2



Abundance Ion 43.05 (42.75 to 43.75): VU036279.D (-419) (-)

Ion 74.05 (73.75 to 74.75): VU036279.D (-419) (-)



#16

Methylene chloride

Concen: 4.125 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

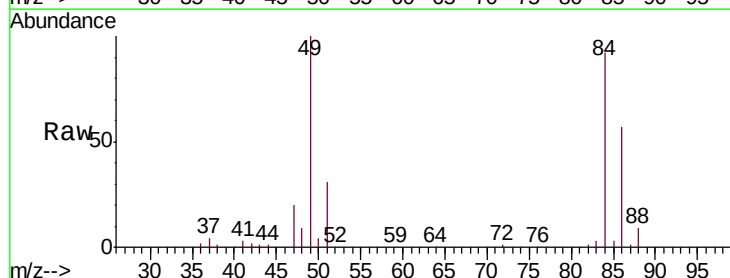
Tgt Ion: 84 Resp: 122270

Ion Ratio Lower Upper

84 100

86 62.3 43.0 79.8

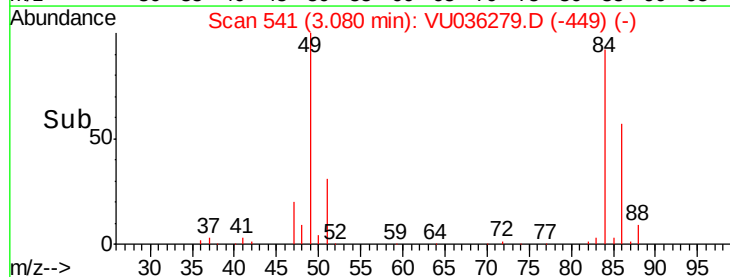
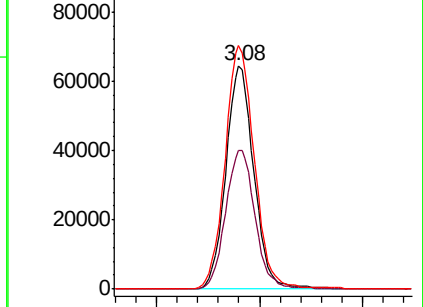
49 109.1 77.3 143.5

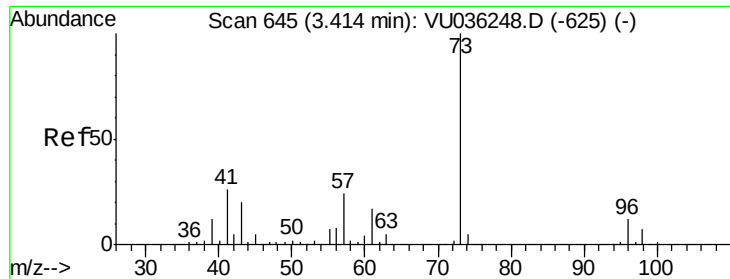


Abundance Ion 84.05 (83.75 to 84.75): VU036279.D (-449) (-)

Ion 86.00 (85.70 to 86.70): VU036279.D (-449) (-)

Ion 49.10 (48.80 to 49.80): VU036279.D (-449) (-)

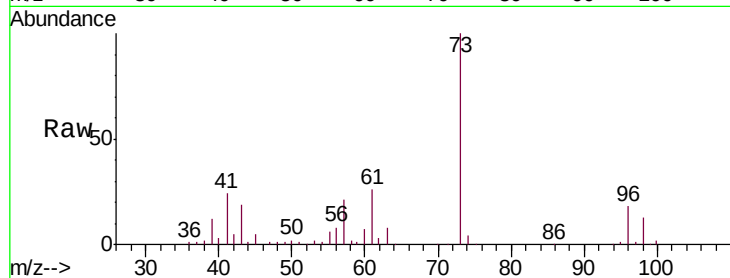




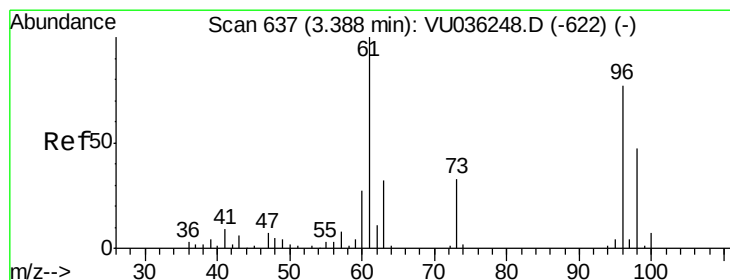
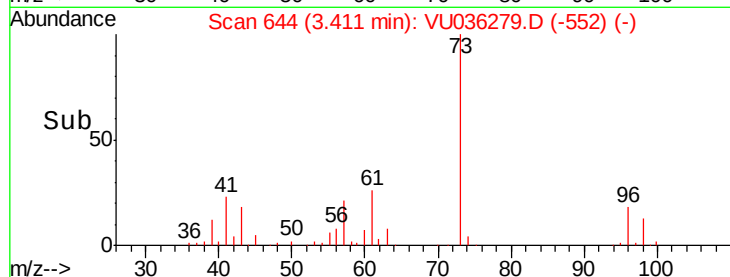
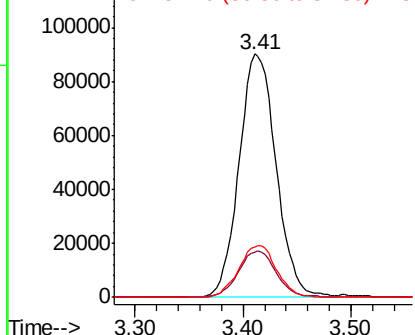
#17
Methyl tert-butyl Ether
Concen: 4.990 ug/L
RT: 3.41 min Scan# 644
Delta R.T. -0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 73 Resp: 215640
Ion Ratio Lower Upper
73 100
43 19.1 15.3 22.9
57 21.7 18.2 27.2

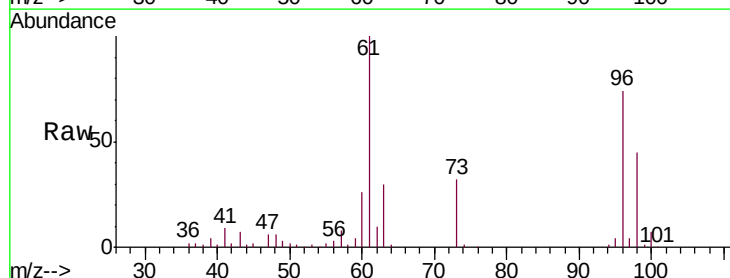


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

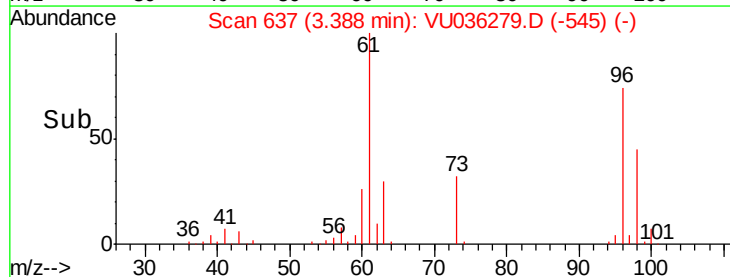
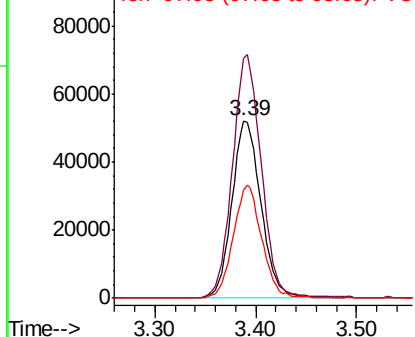


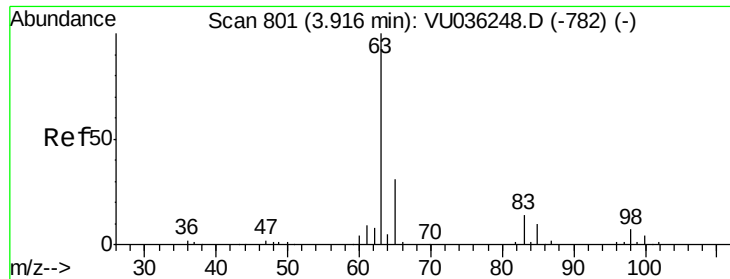
#18
trans-1,2-Dichloroethene
Concen: 4.959 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion: 96 Resp: 104725
Ion Ratio Lower Upper
96 100
61 135.5 94.8 176.2
98 60.7 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

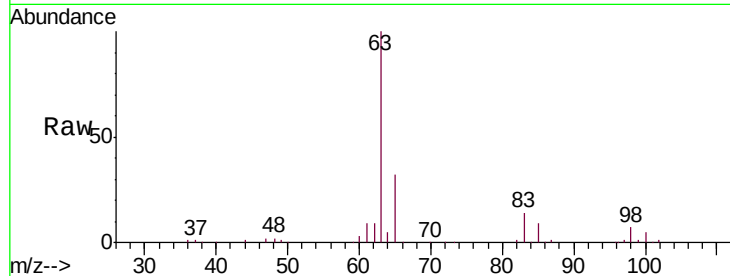




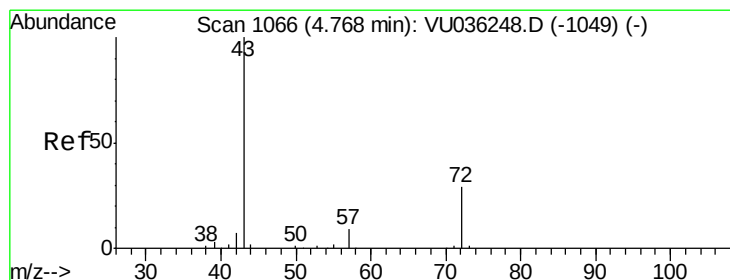
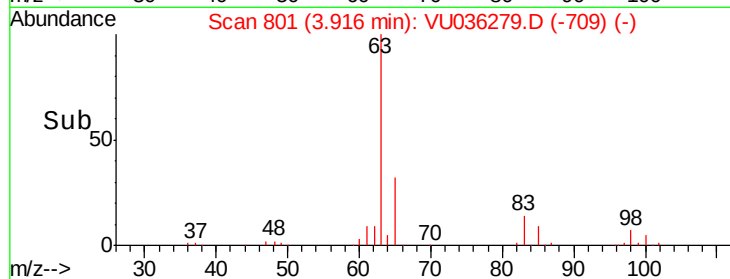
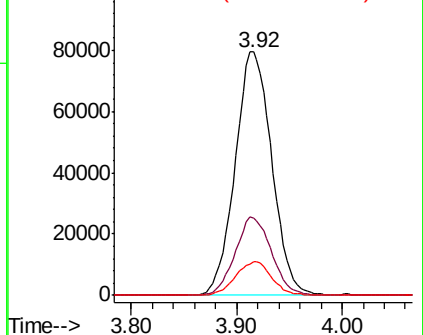
#19
 1,1-Dichloroethane
 Concen: 4.919 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 63 Resp: 191763
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.6 42.0
 83 13.9 9.7 18.1

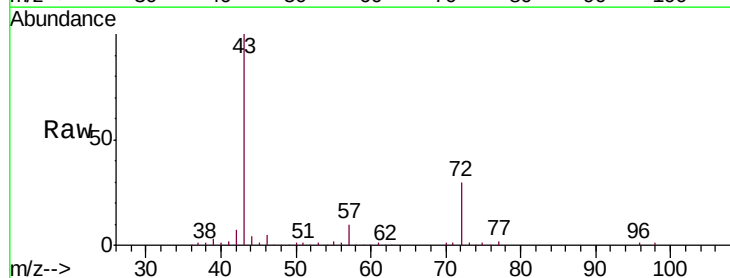


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

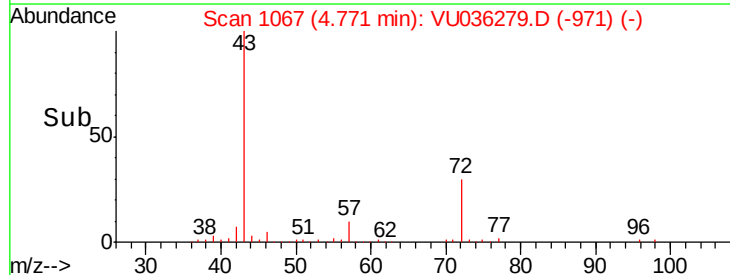
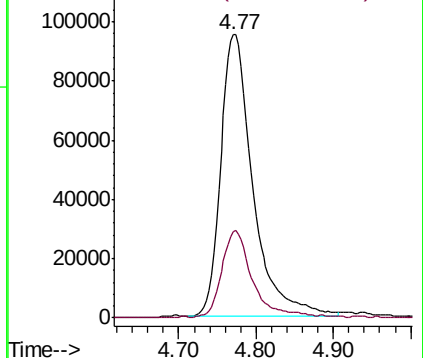


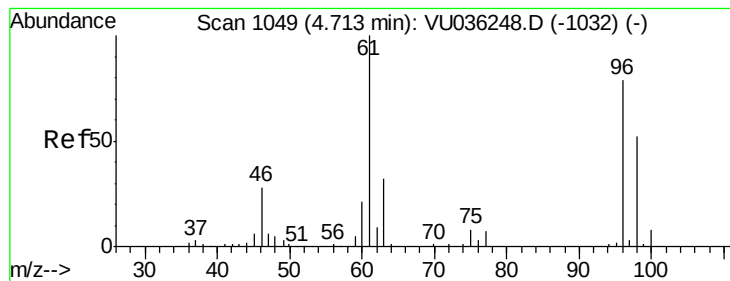
#21
 2-Butanone
 Concen: 52.426 ug/L
 RT: 4.77 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion: 43 Resp: 273761
 Ion Ratio Lower Upper
 43 100
 72 28.0 14.4 43.4



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.752 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

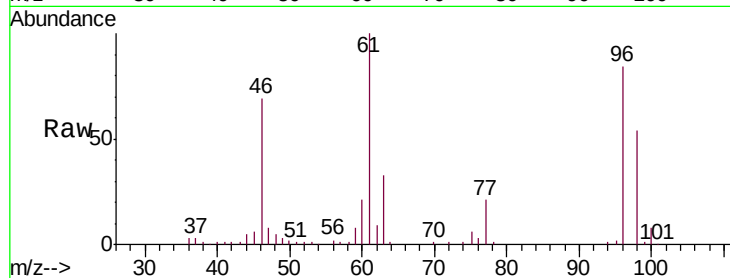
Tgt Ion: 96 Resp: 107638

Ion Ratio Lower Upper

96 100

61 119.2 86.7 161.1

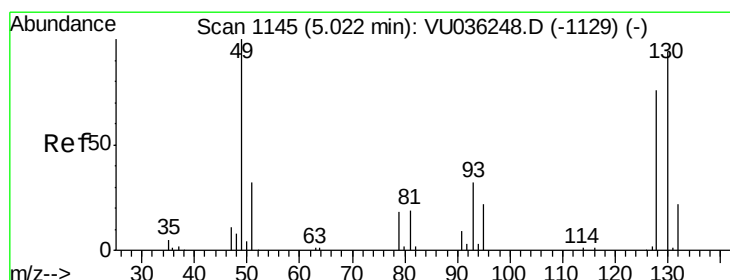
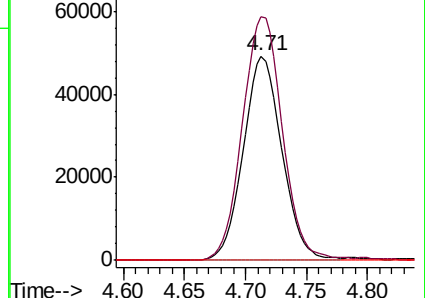
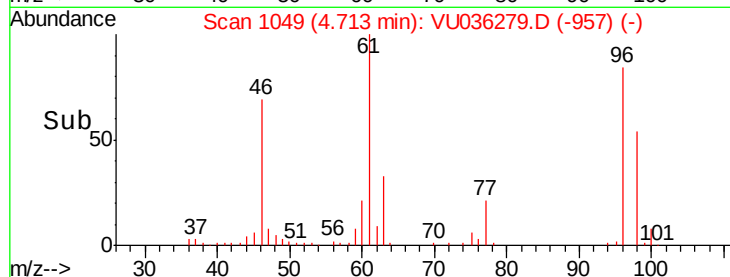
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036279.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036279.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036279.D (-957) (-)



#23

Bromochloromethane

Concen: 5.039 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Tgt Ion: 128 Resp: 55233

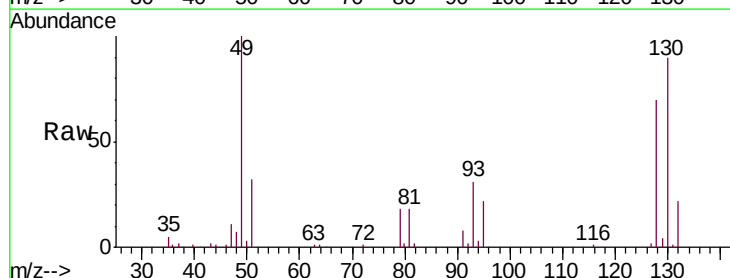
Ion Ratio Lower Upper

128 100

49 143.6 97.6 181.4

130 129.7 85.9 159.5

51 46.0 37.0 55.4

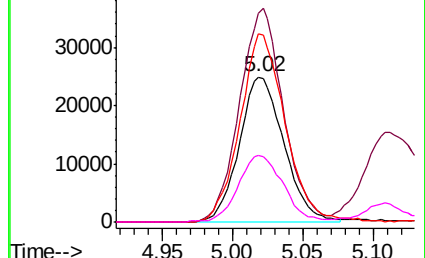
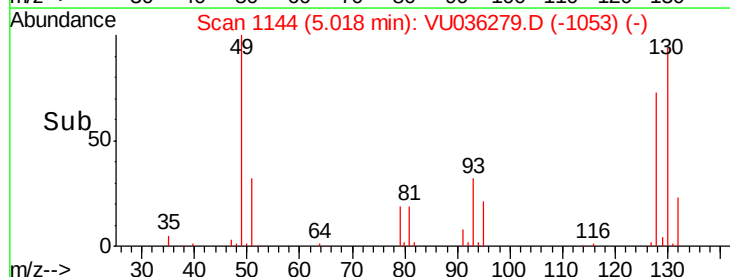


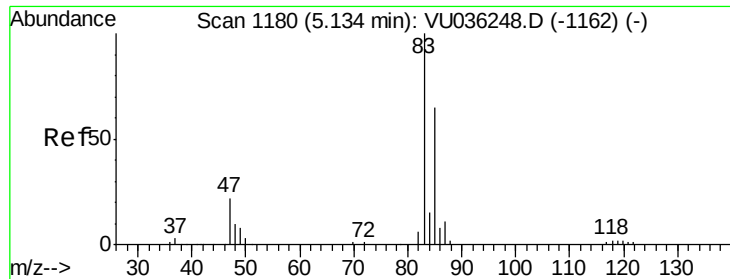
Abundance Ion 127.90 (127.60 to 128.60): VU036279.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036279.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036279.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036279.D (-1053) (-)

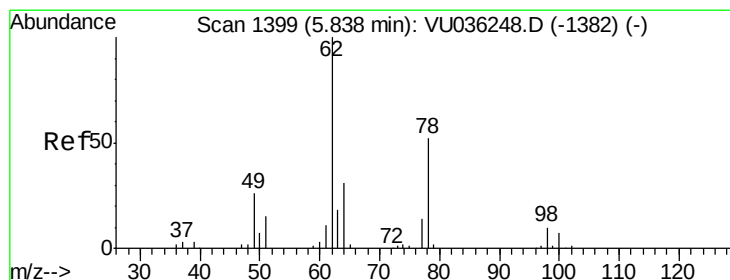
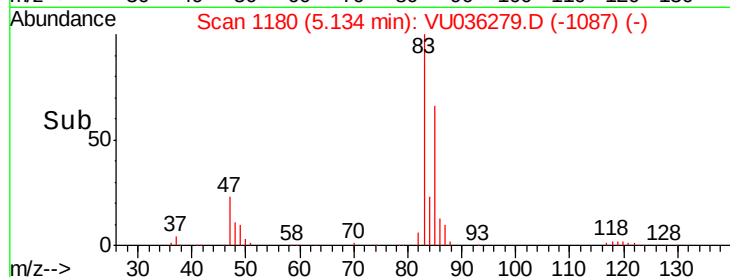
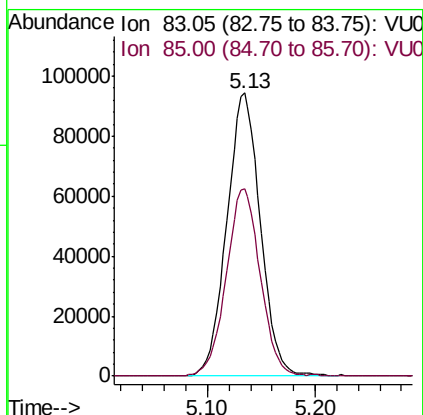
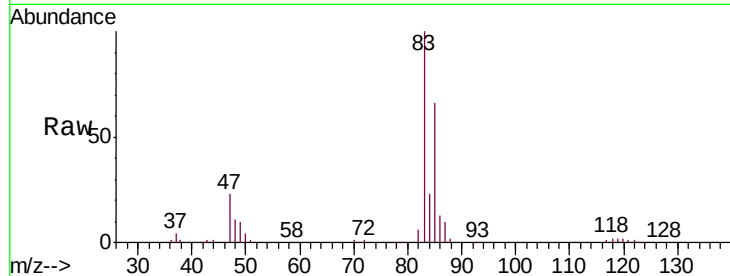




#25
Chloroform
Concen: 4.851 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

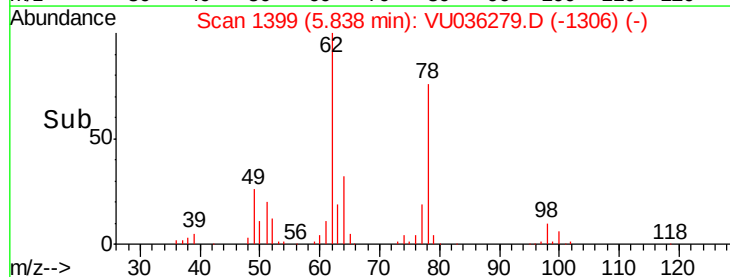
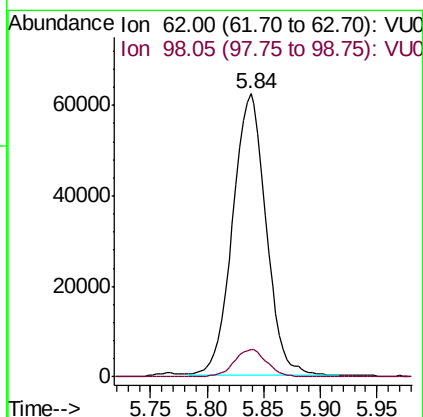
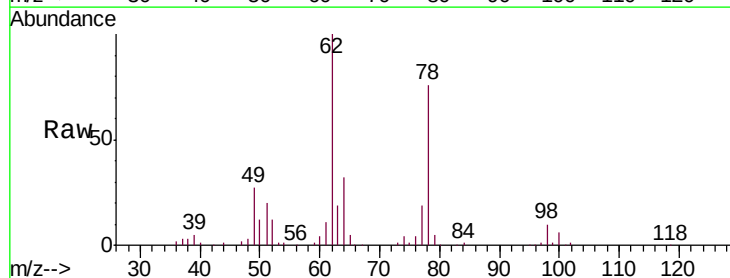
Instrument :
MSVOA_U
ClientSampled :
VSTD00521

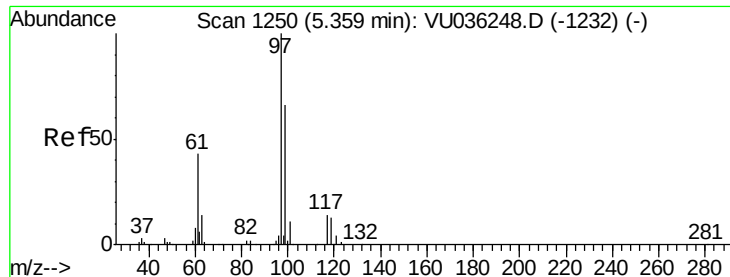
Tgt Ion: 83 Resp: 204597
Ion Ratio Lower Upper
83 100
85 66.1 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.117 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion: 62 Resp: 127998
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9

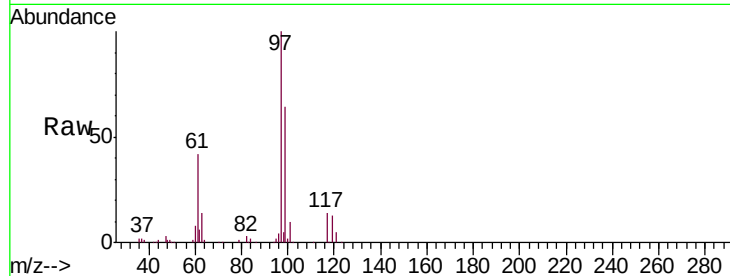




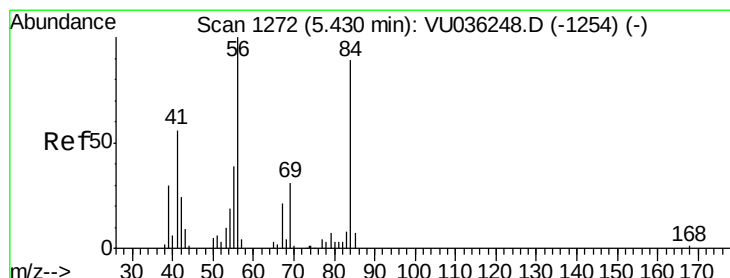
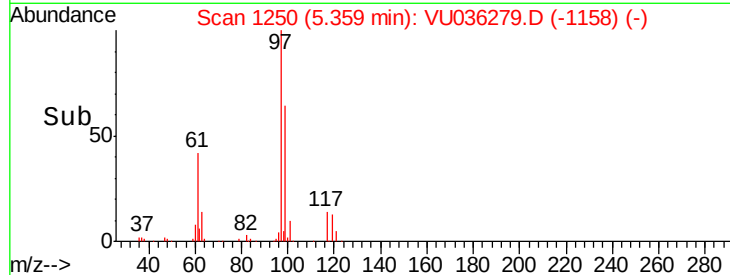
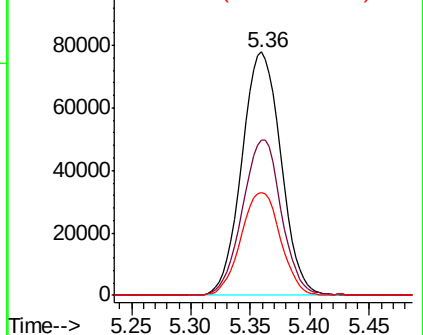
#29
 1,1,1-Trichloroethane
 Concen: 5.048 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion: 97 Resp: 177901
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.4 77.2
 61 42.8 35.0 52.6

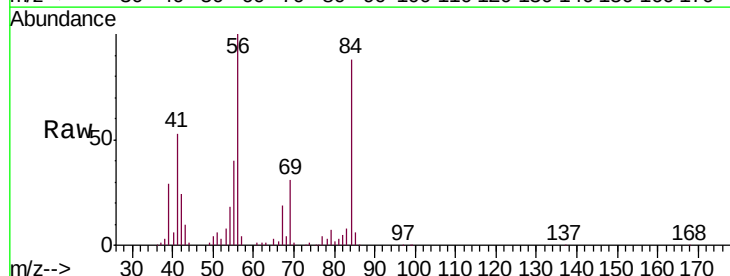


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

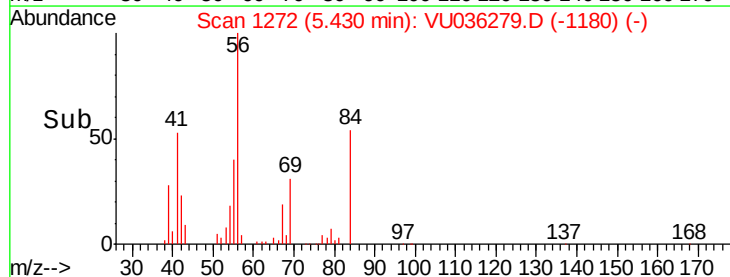
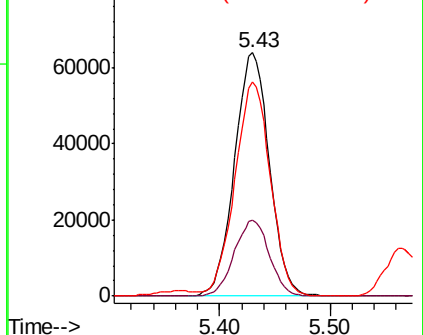


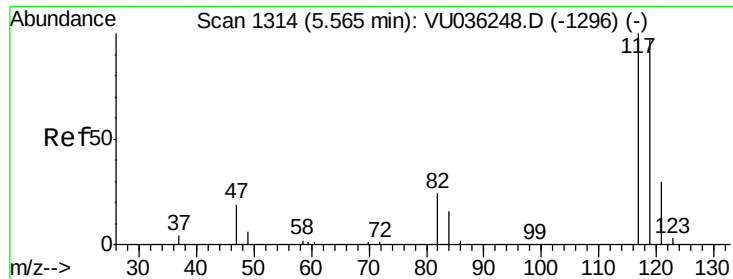
#30
 Cyclohexane
 Concen: 4.674 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion: 56 Resp: 140139
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.6 38.4
 84 89.1 73.0 109.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

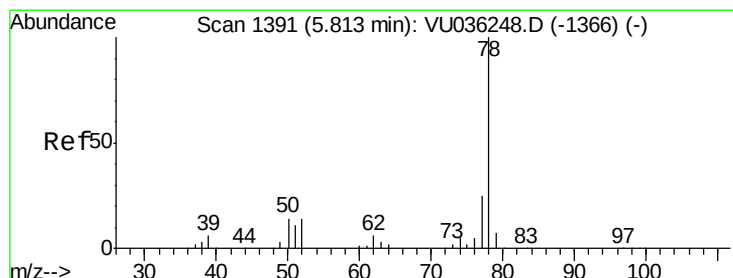
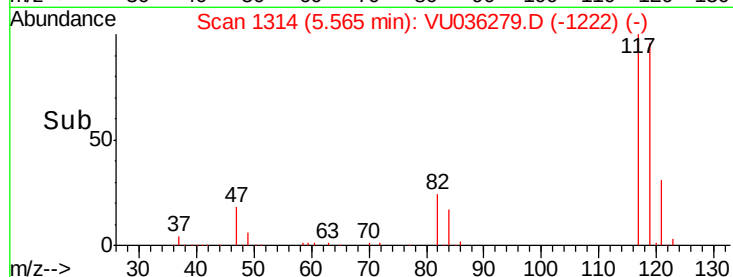
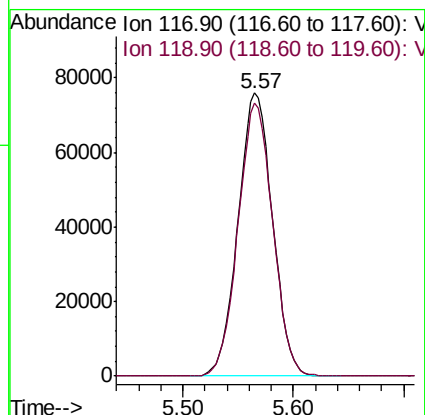
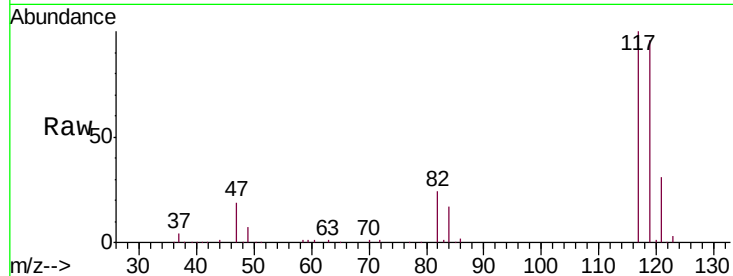




#31
Carbon tetrachloride
Concen: 5.118 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

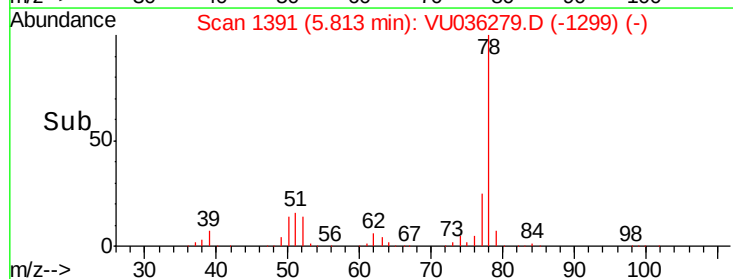
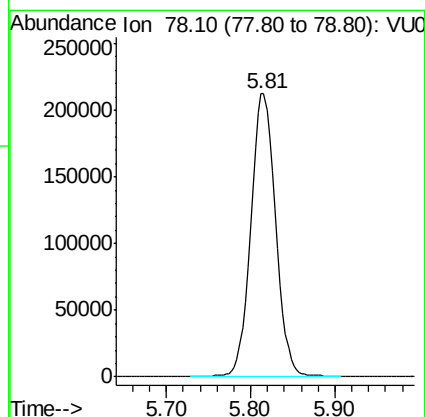
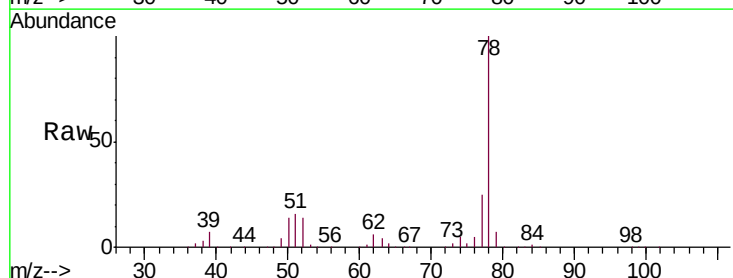
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

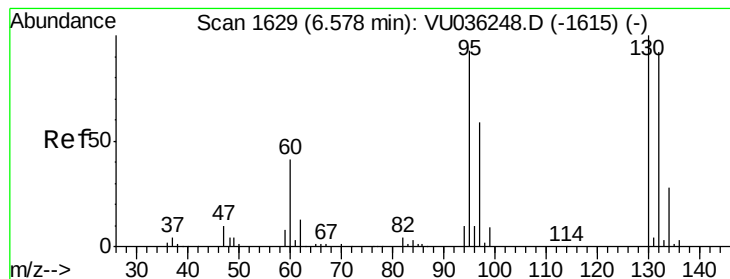
Tgt Ion:117 Resp: 164451
Ion Ratio Lower Upper
117 100
119 96.6 77.2 115.8



#33
Benzene
Concen: 4.951 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion: 78 Resp: 435559





#34

Trichloroethene

Concen: 4.797 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

Tgt Ion: 95 Resp: 108805

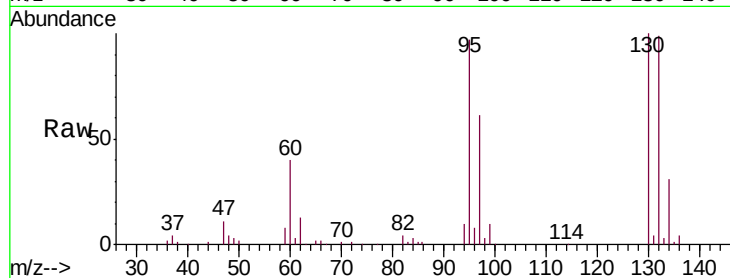
Ion Ratio Lower Upper

95 100

97 62.2 43.6 81.0

132 102.1 69.6 129.2

130 102.7 70.3 130.7

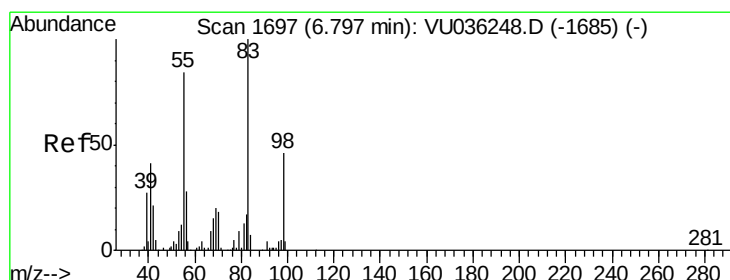
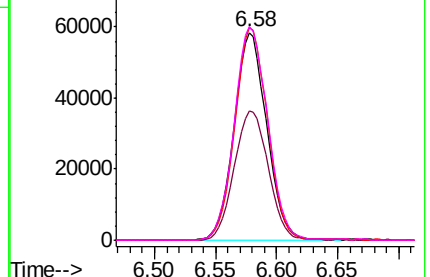
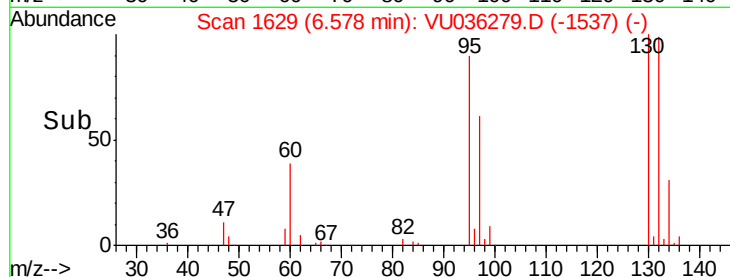


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.822 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

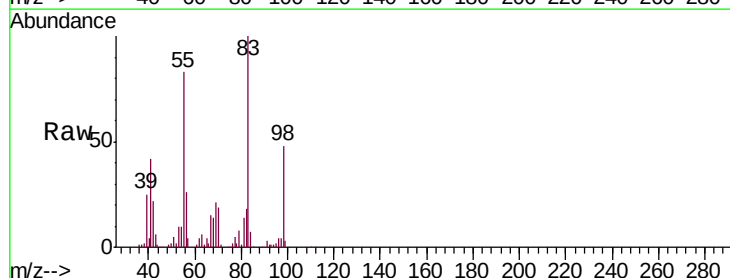
Tgt Ion: 83 Resp: 155490

Ion Ratio Lower Upper

83 100

55 81.2 62.6 94.0

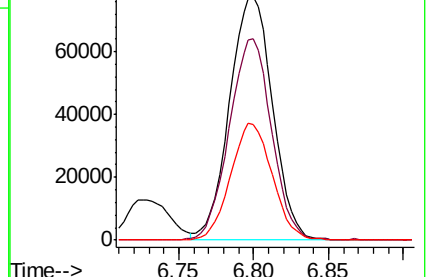
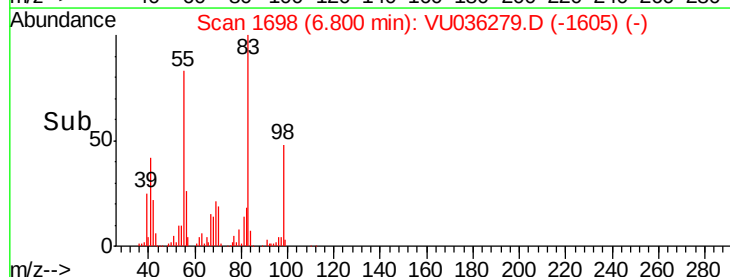
98 46.6 36.2 54.2

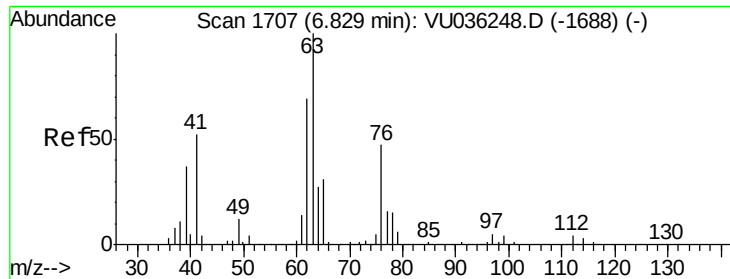


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

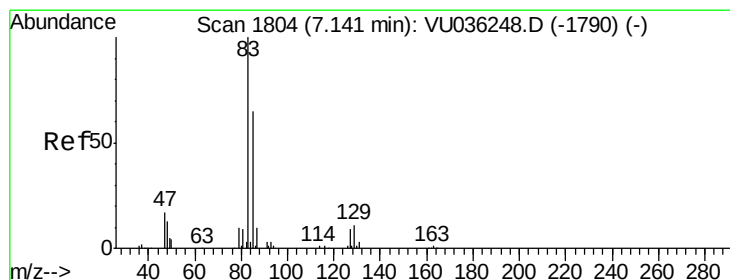
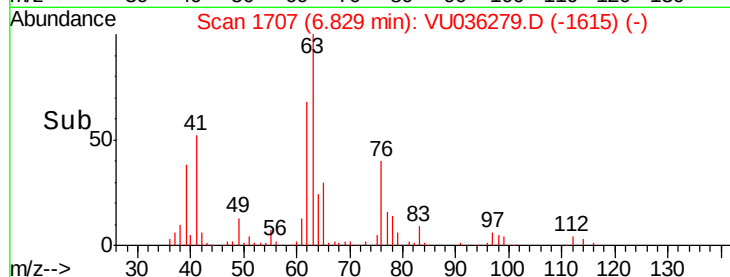
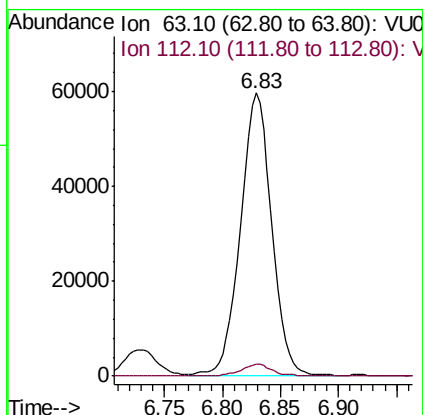
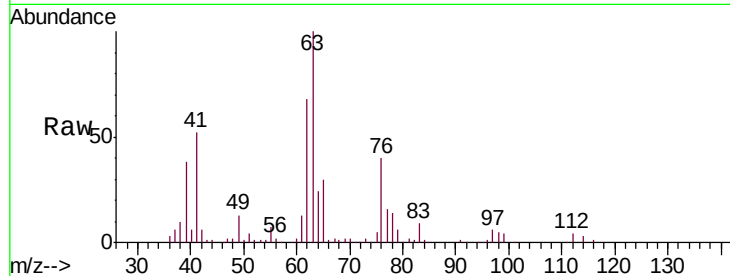




#37
 1,2-Dichloropropane
 Concen: 4.973 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

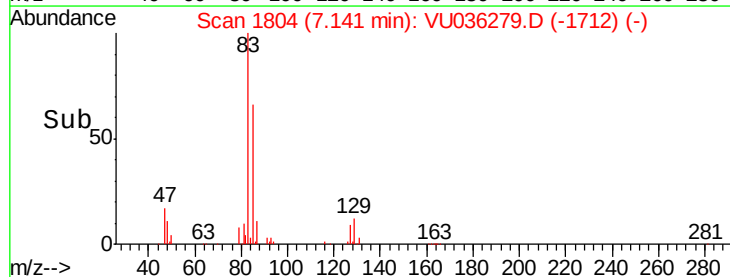
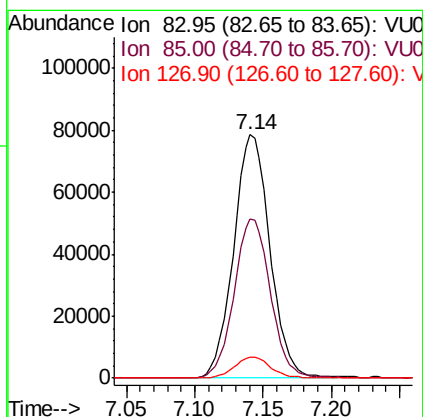
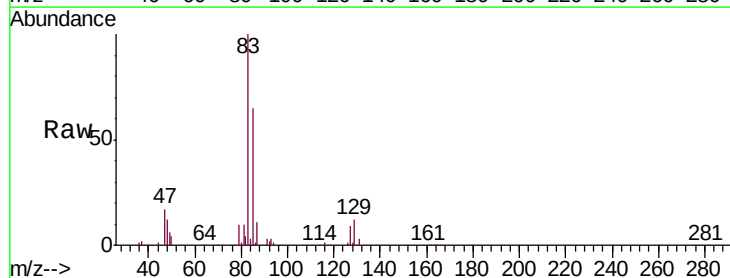
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

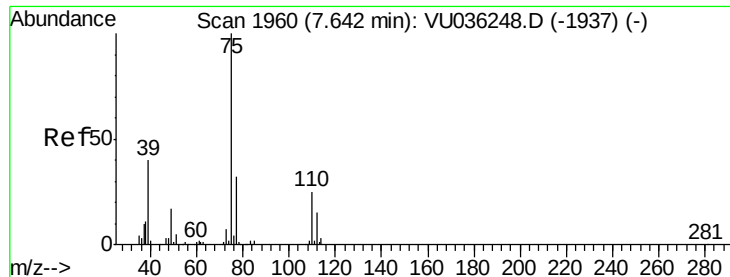
Tgt Ion: 63 Resp: 111623
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.966 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion: 83 Resp: 145054
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.6
 127 8.6 7.1 10.7



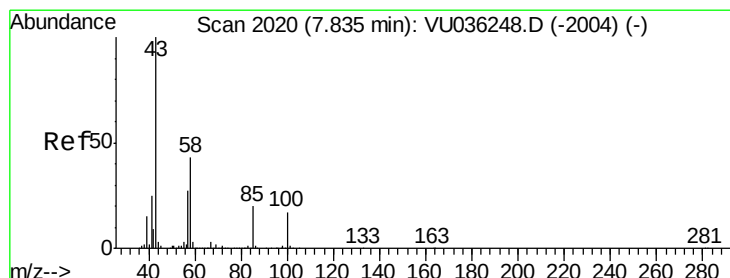
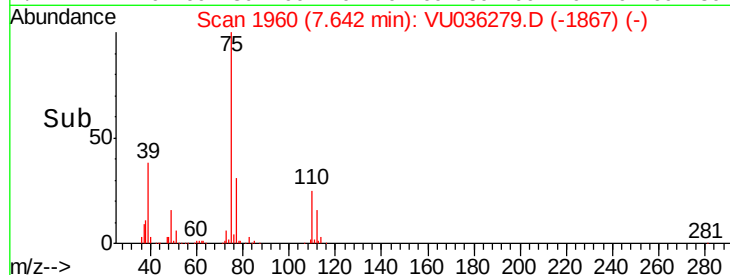
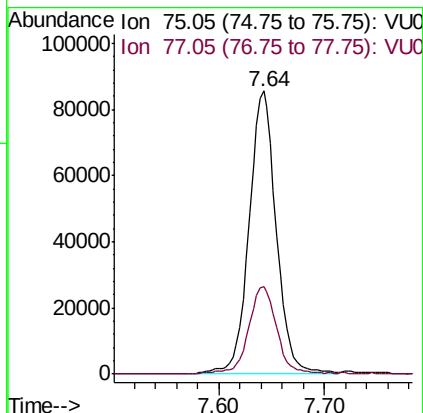
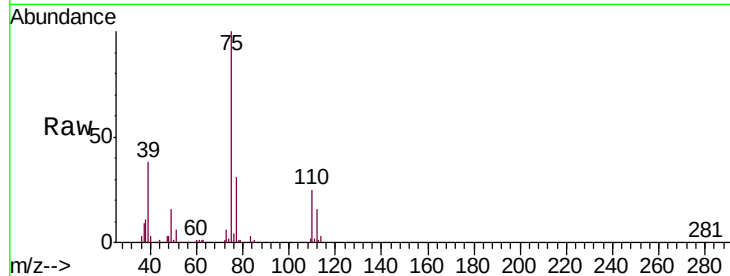


#39

cis-1,3-Dichloropropene
Concen: 5.051 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

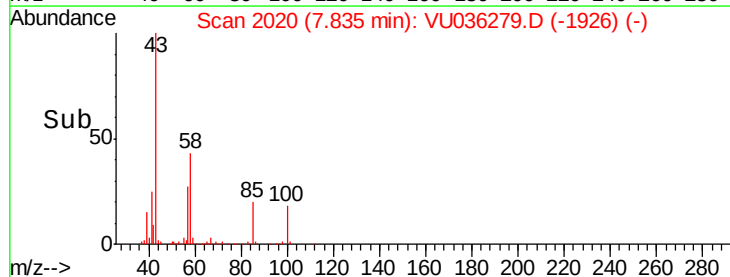
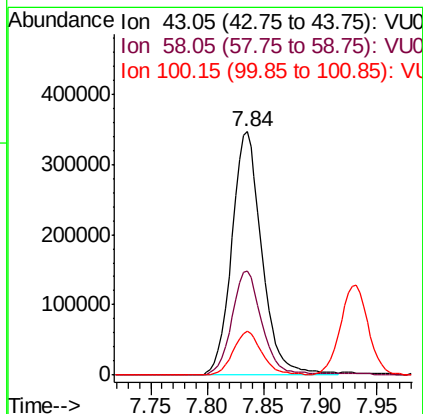
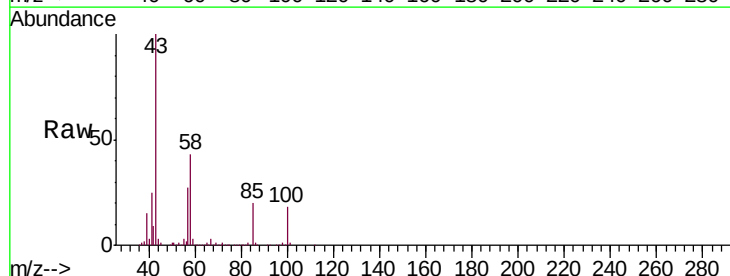
Tgt Ion: 75 Resp: 154445
Ion Ratio Lower Upper
75 100
77 31.1 22.7 42.1

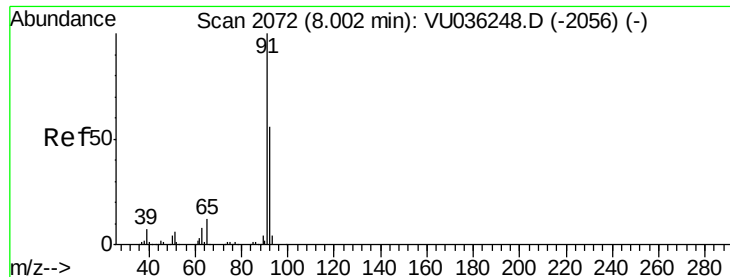


#40

4-Methyl-2-pentanone
Concen: 54.590 ug/L
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion: 43 Resp: 640899
Ion Ratio Lower Upper
43 100
58 42.7 33.3 49.9
100 17.2 13.7 20.5





#42

Toluene

Concen: 5.129 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

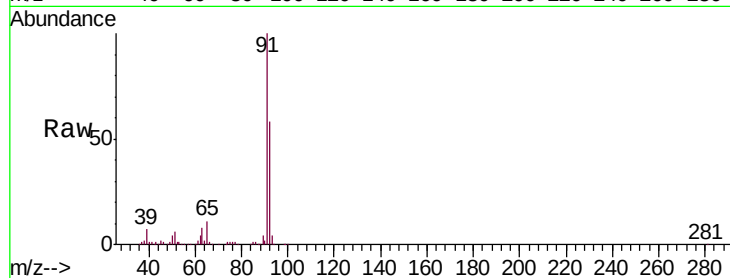
VSTD00521

Tgt Ion: 91 Resp: 483650

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036248.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036279.D (-1979) (-)

8.00

300000

250000

200000

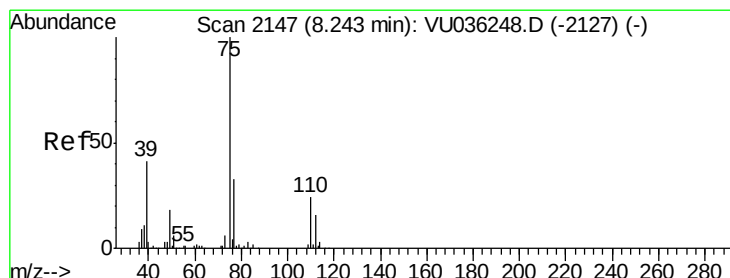
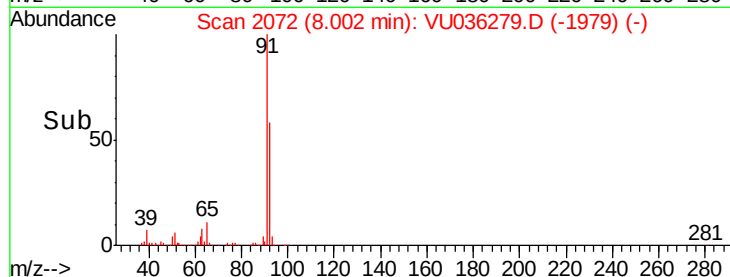
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.200 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036279.D

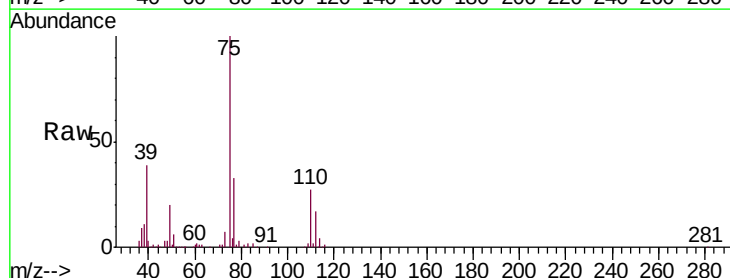
Acq: 19 Dec 2019 09:20

Tgt Ion: 75 Resp: 133568

Ion Ratio Lower Upper

75 100

77 32.7 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036248.D (-2127) (-)

Ion 77.05 (76.75 to 77.75): VU036279.D (-2053) (-)

8.24

80000

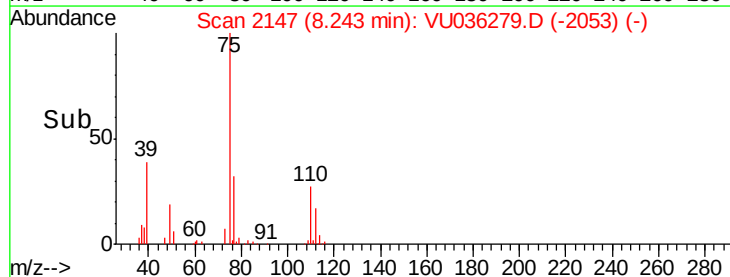
60000

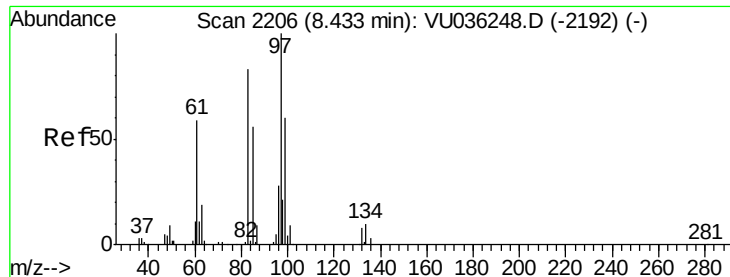
40000

20000

0

Time-->

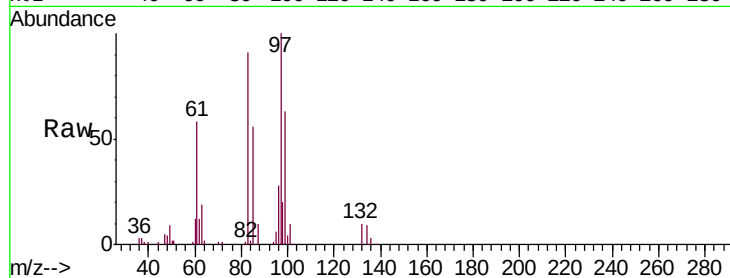




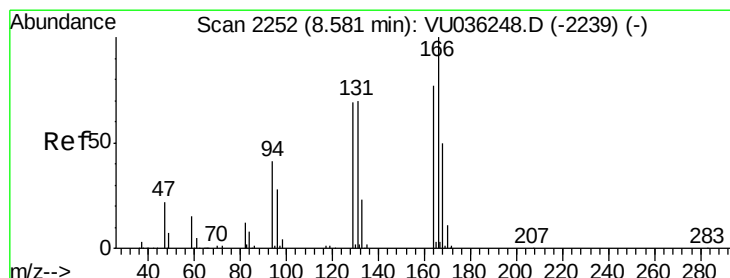
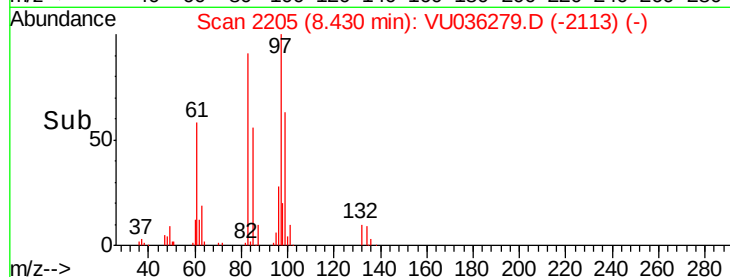
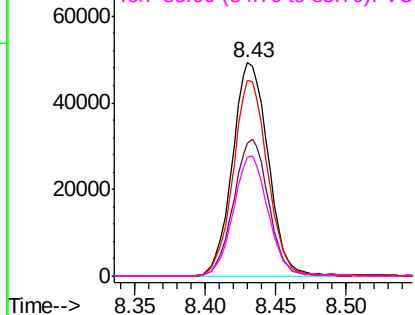
#45
 1,1,2-Trichloroethane
 Concen: 5.199 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	97	Resp:	87436
Ion	Ratio	Lower	Upper
97	100		
99	62.6	46.1	85.5
83	91.4	65.9	122.3
85	56.0	43.1	80.1

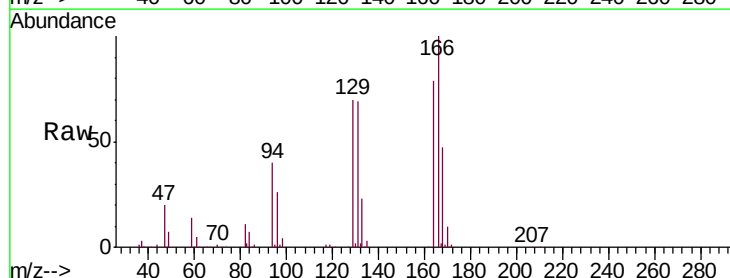


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

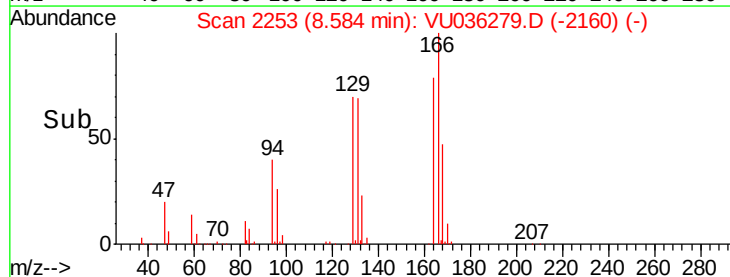
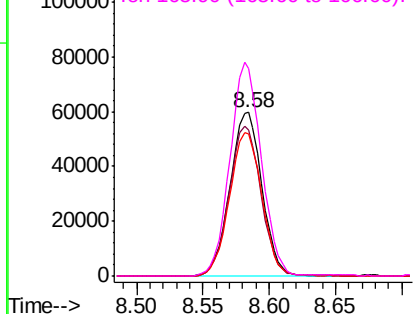


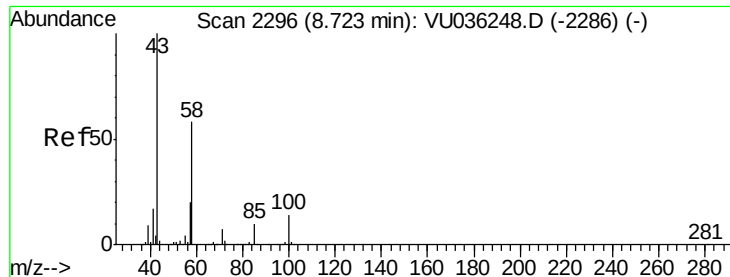
#47
 Tetrachloroethene
 Concen: 4.887 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion:	164	Resp:	100112
Ion	Ratio	Lower	Upper
164	100		
129	89.5	64.2	119.2
131	87.2	66.6	123.8
166	127.1	93.1	172.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

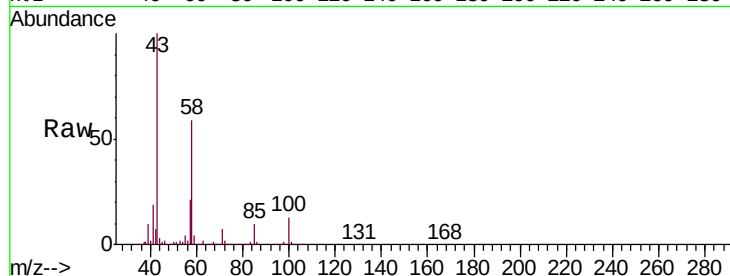




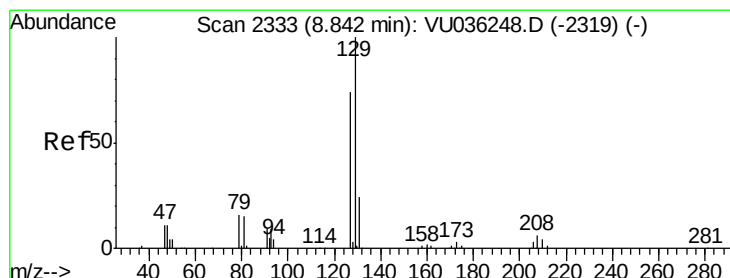
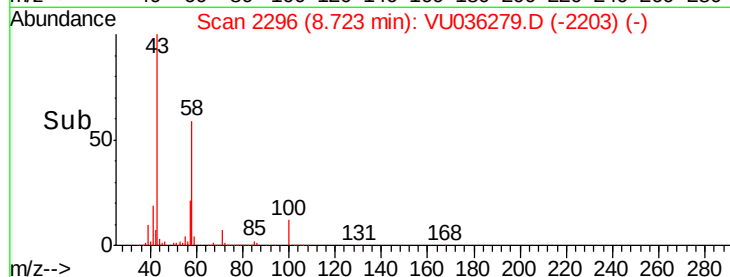
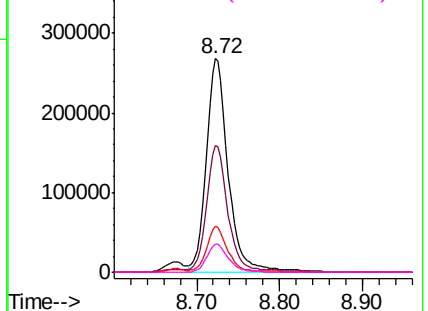
#48
2-Hexanone
Concen: 56.848 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion: 43 Resp: 498079
Ion Ratio Lower Upper
43 100
58 58.8 46.2 69.2
57 20.3 16.2 24.4
100 12.8 10.2 15.4

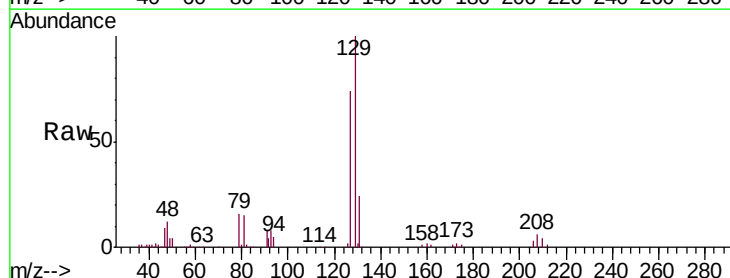


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

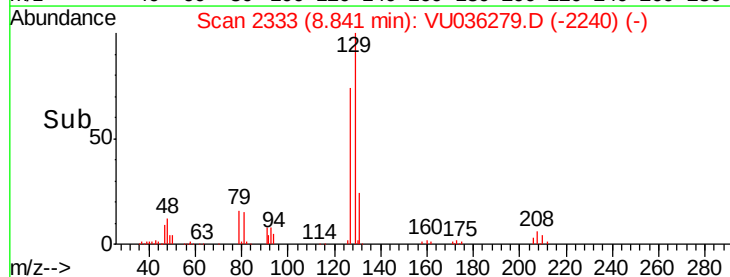
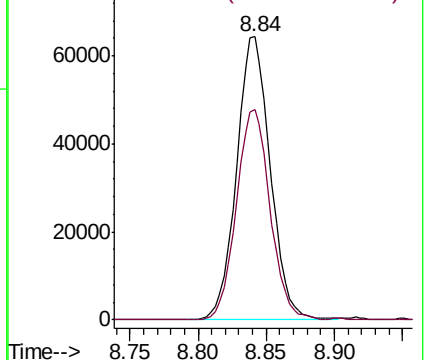


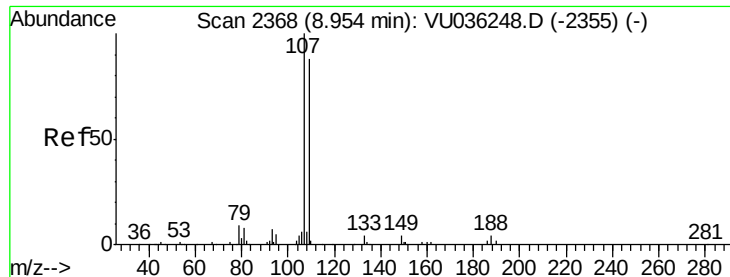
#49
Dibromochloromethane
Concen: 5.311 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion: 129 Resp: 110391
Ion Ratio Lower Upper
129 100
127 74.3 52.6 97.6



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

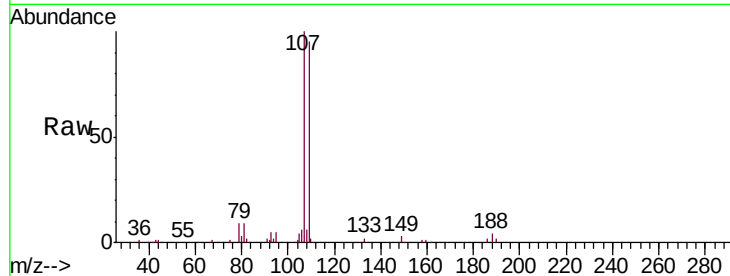




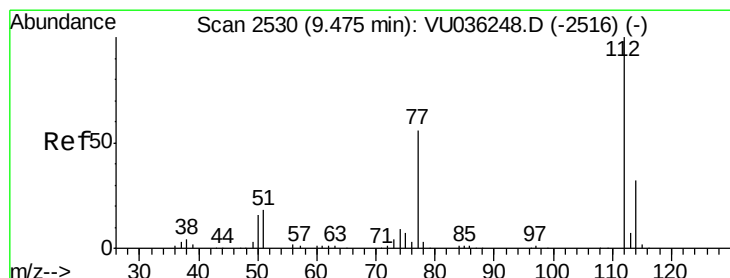
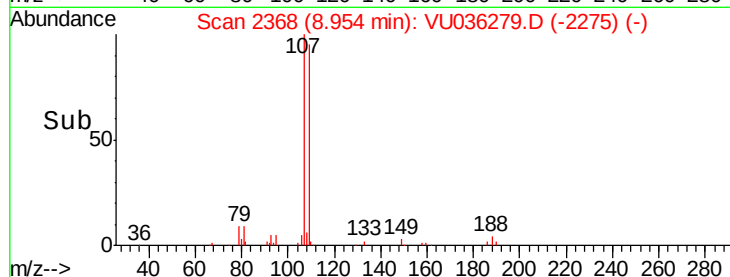
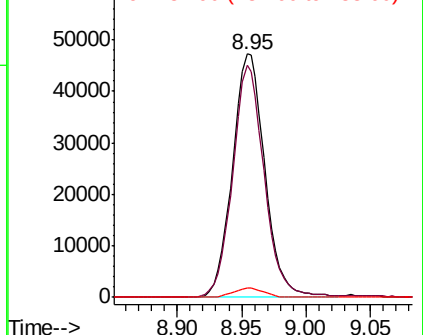
#50
1,2-Dibromoethane
Concen: 5.147 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

Tgt Ion:107 Resp: 82564
Ion Ratio Lower Upper
107 100
109 95.4 67.5 125.4
188 3.8 3.1 4.7

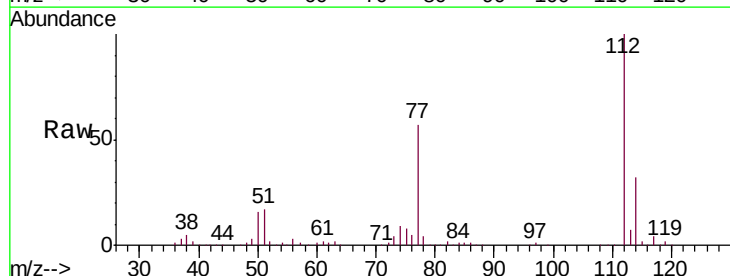


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

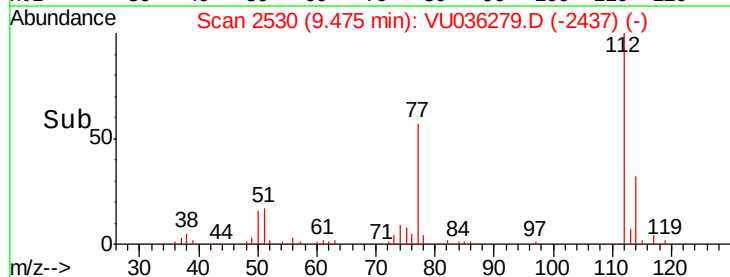
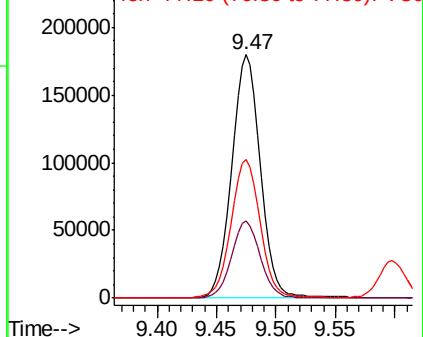


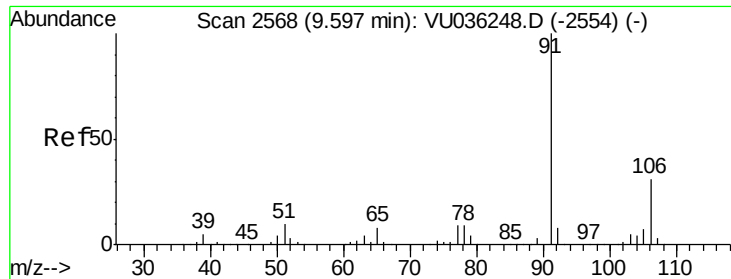
#51
Chlorobenzene
Concen: 4.829 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion:112 Resp: 300735
Ion Ratio Lower Upper
112 100
114 31.7 23.2 43.2
77 56.8 46.5 69.7



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





#52

Ethylbenzene

Concen: 4.887 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

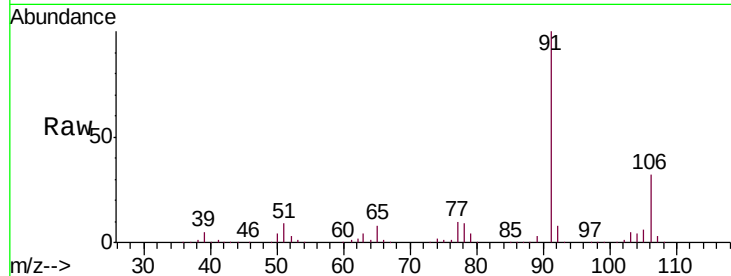
VSTD00521

Tgt Ion: 91 Resp: 462860

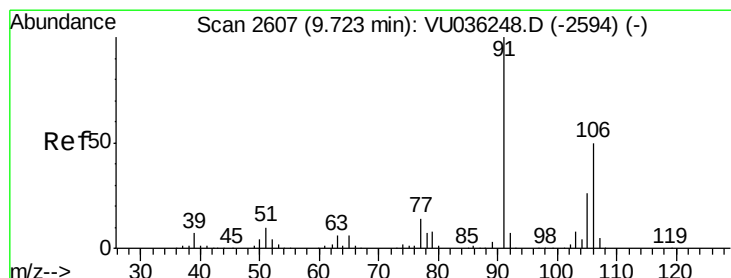
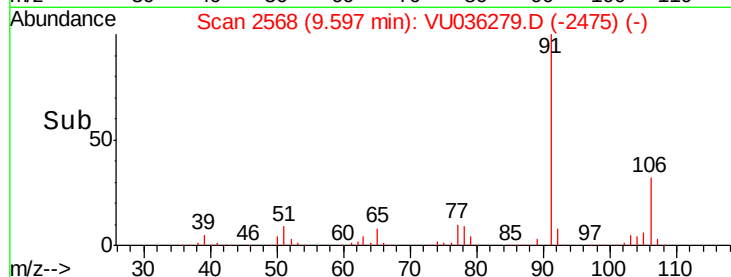
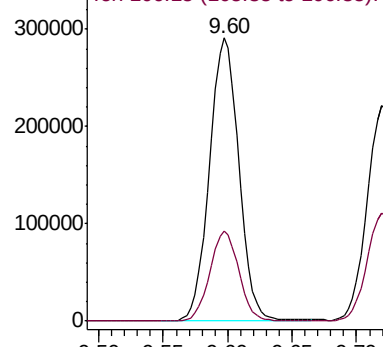
Ion Ratio Lower Upper

91 100

106 31.9 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036248.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.001 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036279.D

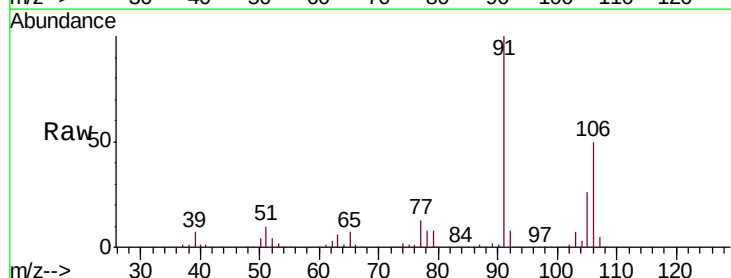
Acq: 19 Dec 2019 09:20

Tgt Ion: 106 Resp: 182484

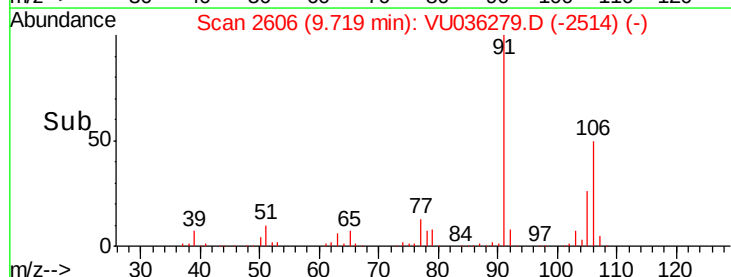
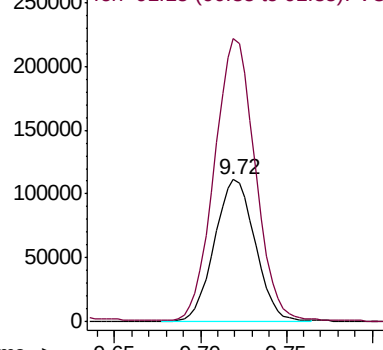
Ion Ratio Lower Upper

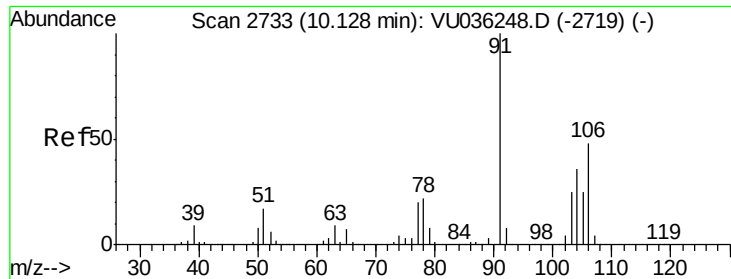
106 100

91 198.8 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VU036279.D (-2514) (-)

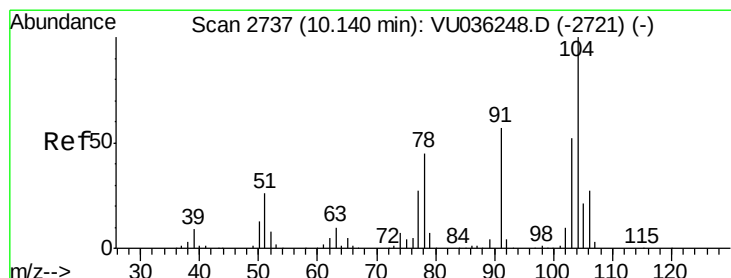
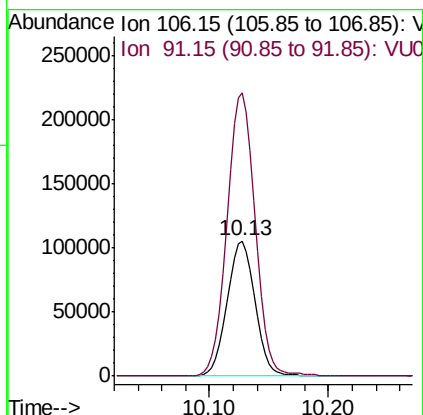
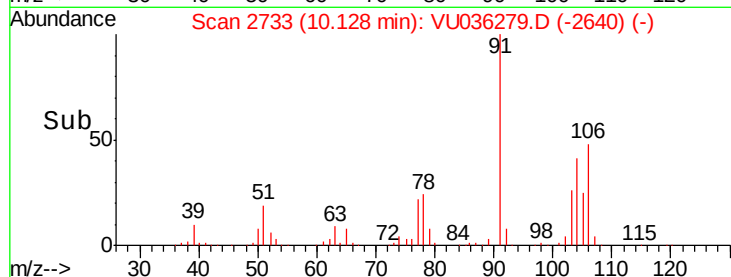
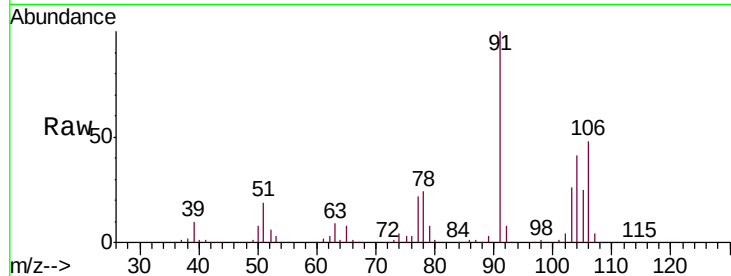




#54
o-Xylene
Concen: 4.879 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

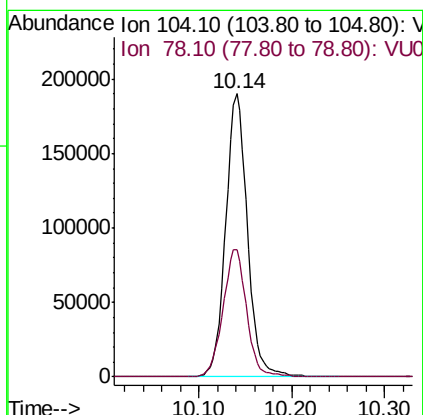
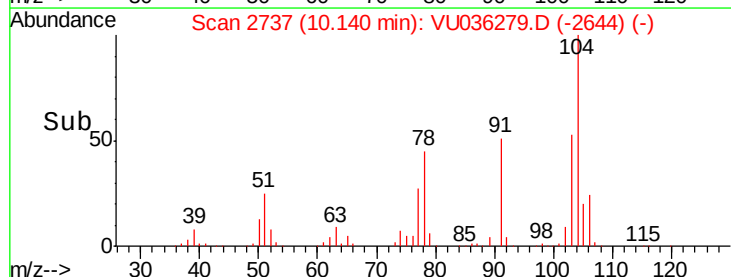
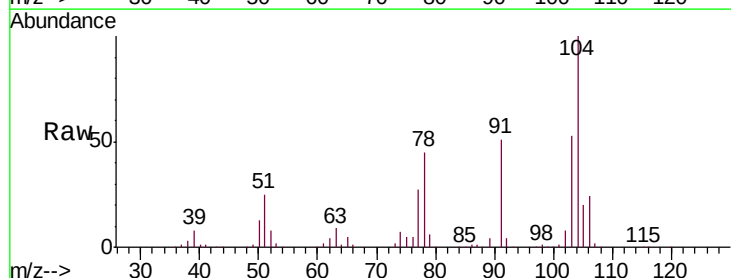
Instrument :
MSVOA_U
ClientSampleId :
VSTD00521

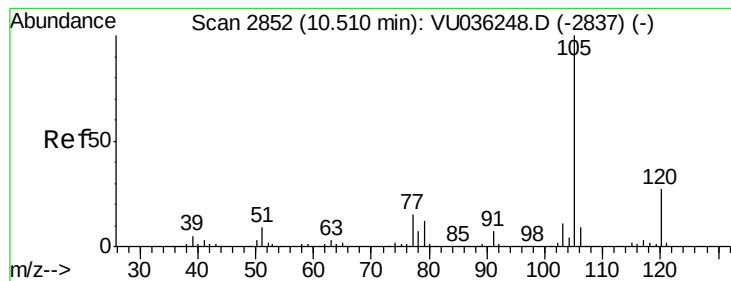
Tgt Ion:106 Resp: 171709
Ion Ratio Lower Upper
106 100
91 209.8 152.8 283.8



#55
Styrene
Concen: 4.975 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036279.D
Acq: 19 Dec 2019 09:20

Tgt Ion:104 Resp: 309899
Ion Ratio Lower Upper
104 100
78 44.7 32.1 59.5





#56

Isopropylbenzene

Concen: 5.013 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

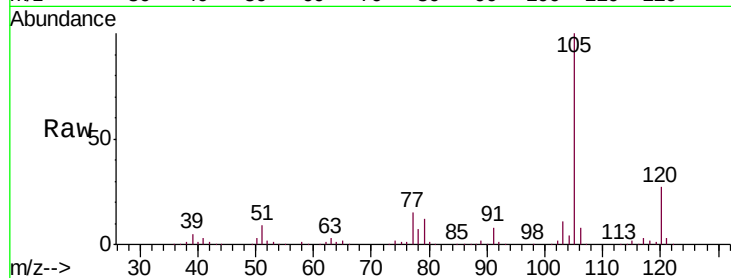
Tgt Ion: 105 Resp: 453103

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

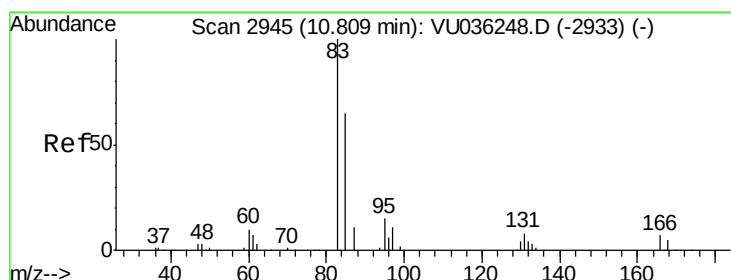
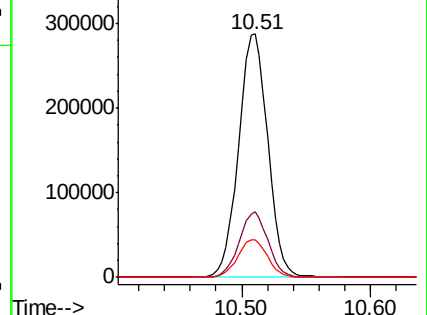
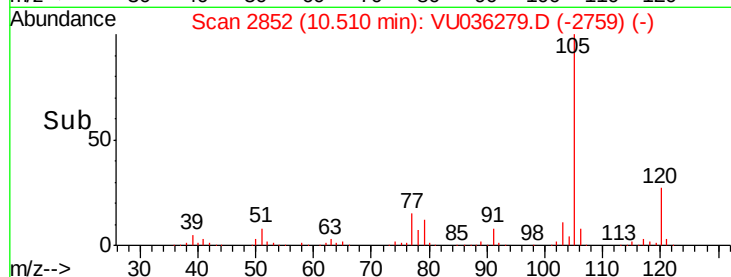
77 15.8 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.234 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

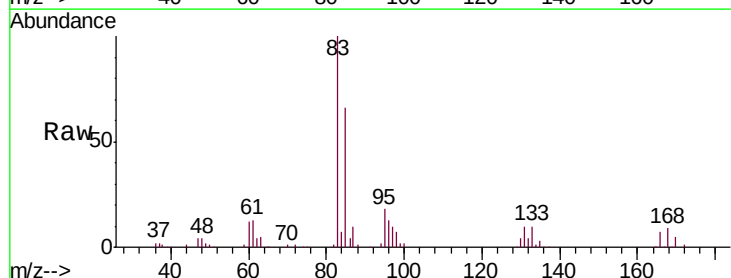
Tgt Ion: 83 Resp: 112079

Ion Ratio Lower Upper

83 100

85 66.3 45.6 84.8

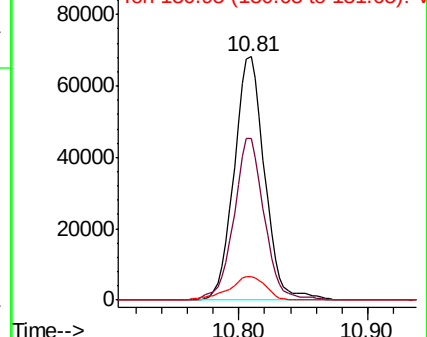
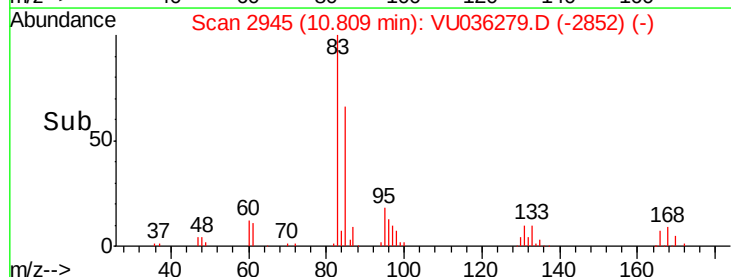
131 9.6 8.5 12.7

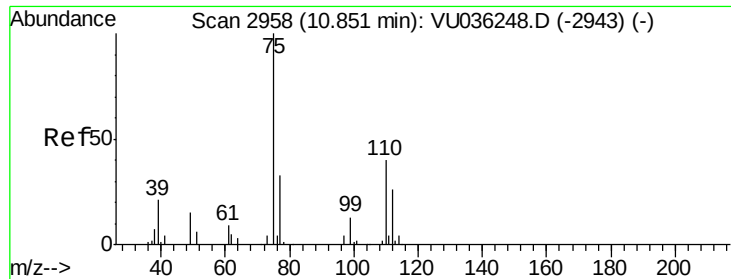


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.599 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

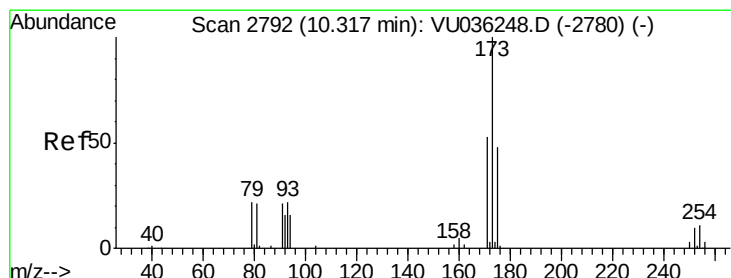
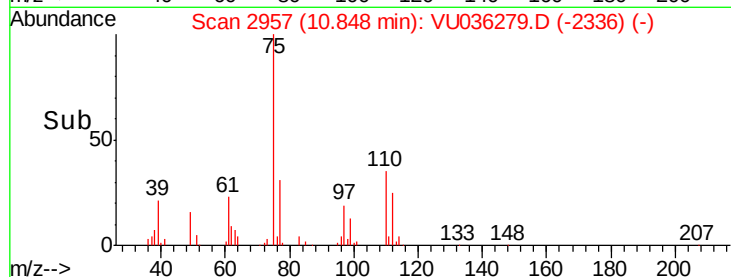
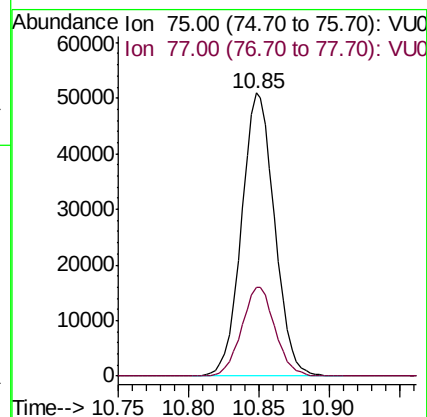
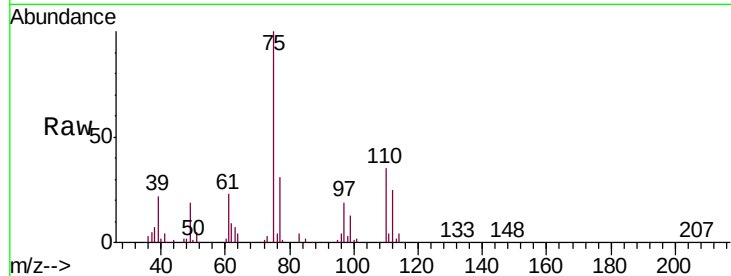
VSTD00521

Tgt Ion: 75 Resp: 83524

Ion Ratio Lower Upper

75 100

77 31.6 27.2 40.8



#61

Bromoform

Concen: 5.115 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

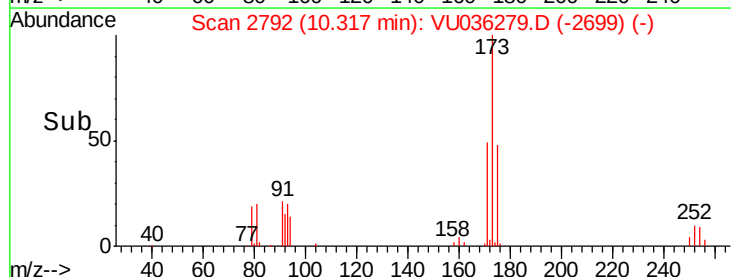
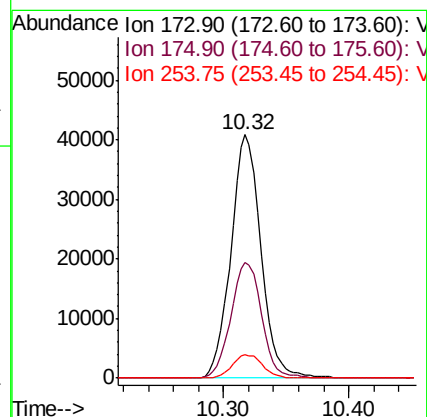
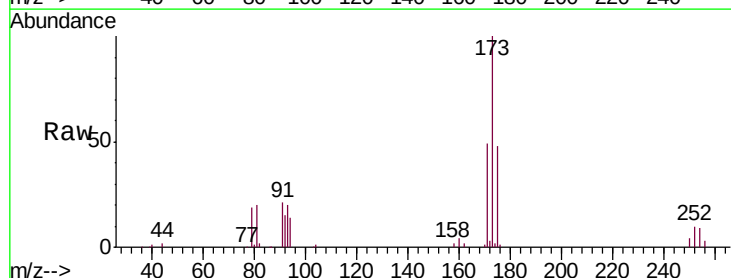
Tgt Ion: 173 Resp: 67764

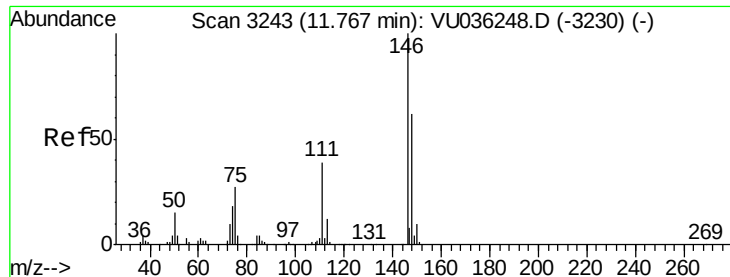
Ion Ratio Lower Upper

173 100

175 48.5 39.2 58.8

254 9.7 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 4.887 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

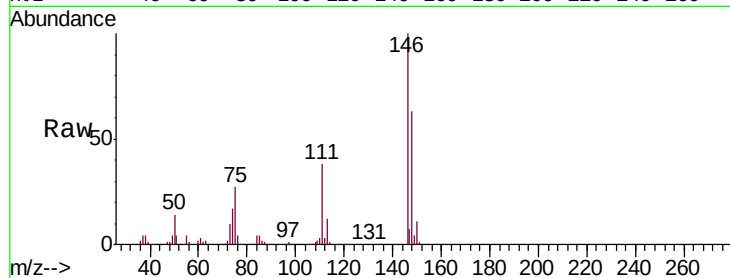
Tgt Ion:146 Resp: 251589

Ion Ratio Lower Upper

146 100

111 37.6 26.3 48.9

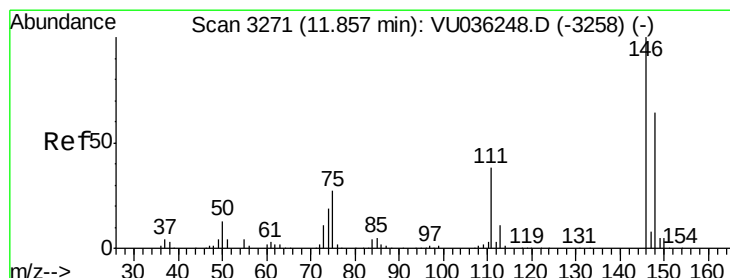
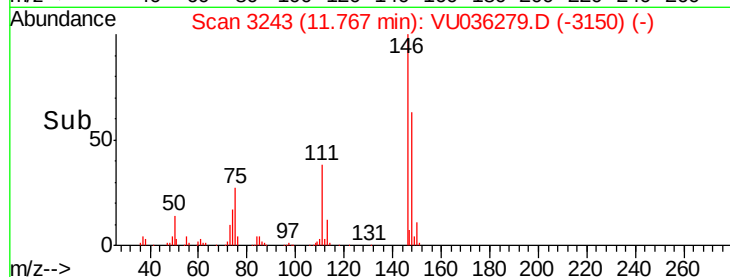
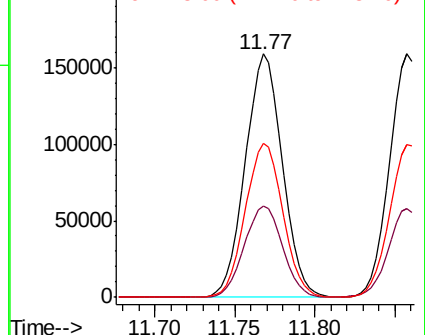
148 63.4 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.979 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

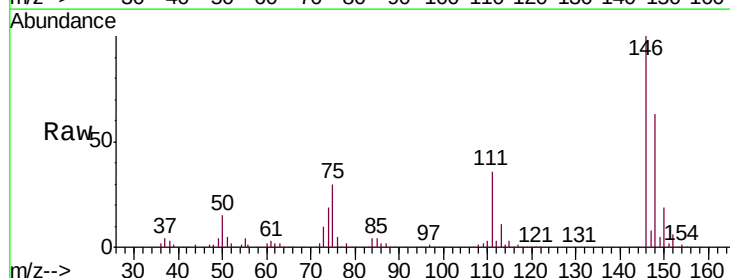
Tgt Ion:146 Resp: 254262

Ion Ratio Lower Upper

146 100

111 36.5 25.8 48.0

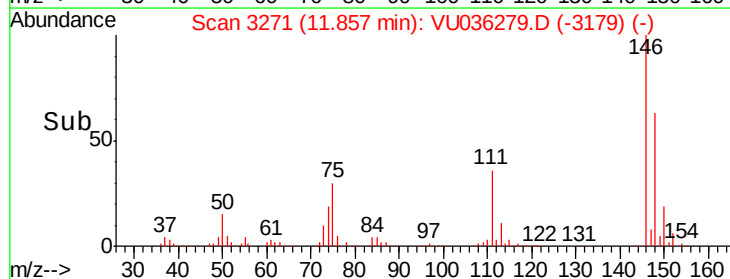
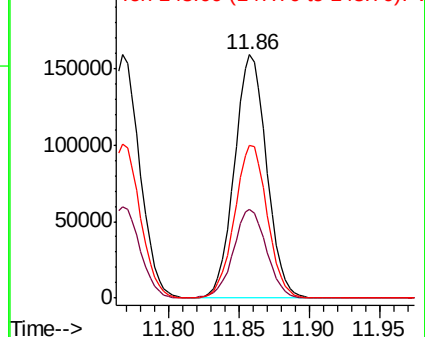
148 63.0 44.7 82.9

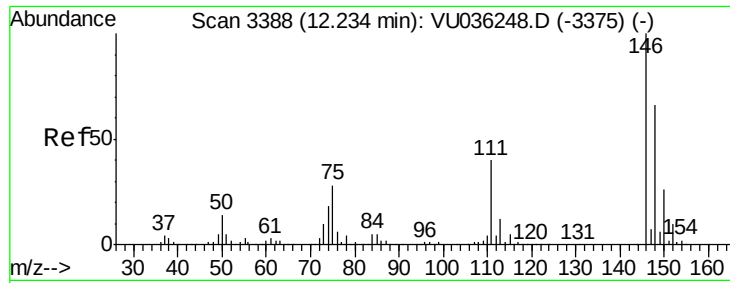


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

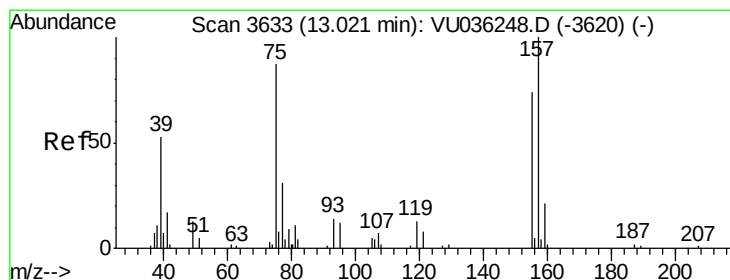
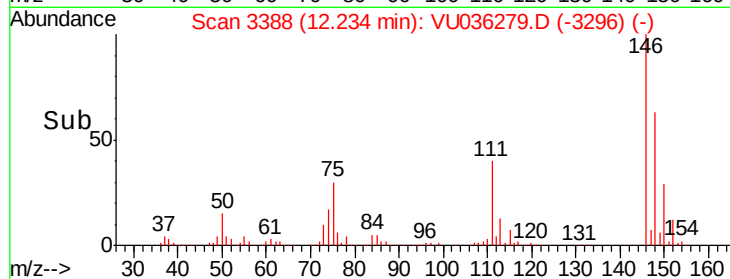
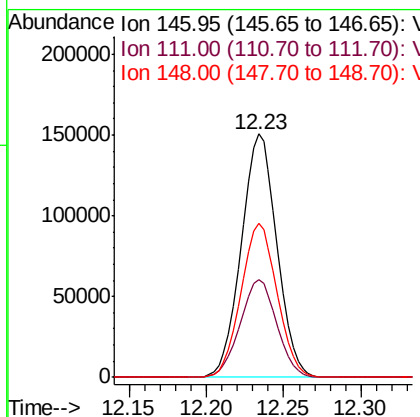
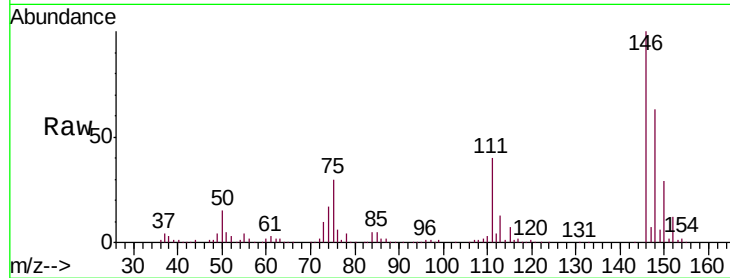




#65
 1,2-Dichlorobenzene
 Concen: 4.913 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

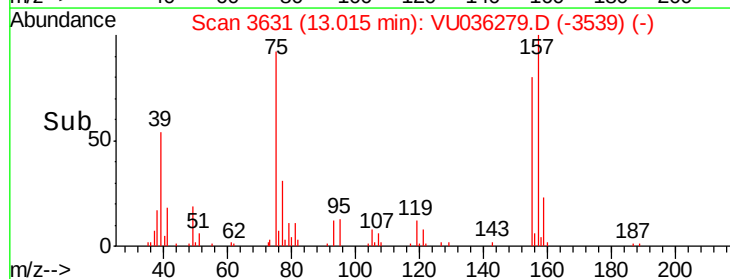
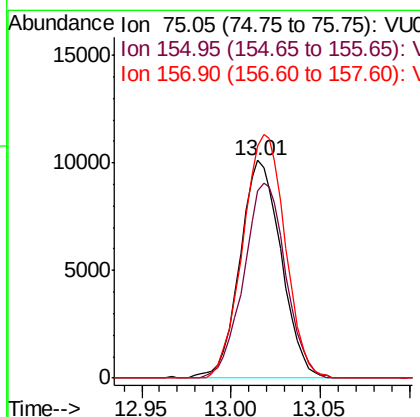
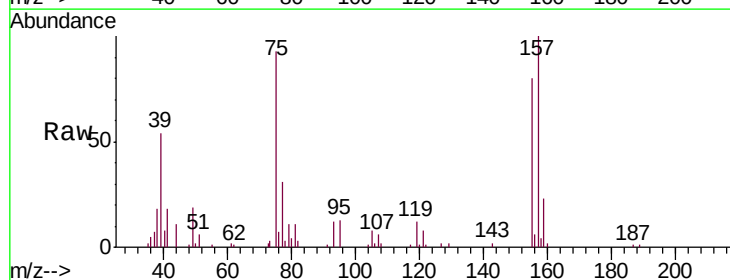
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

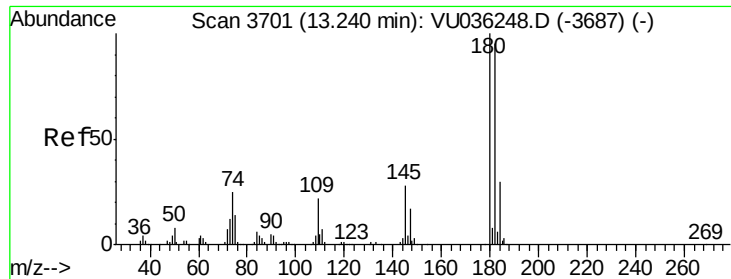
Tgt Ion:146 Resp: 241004
 Ion Ratio Lower Upper
 146 100
 111 40.0 32.5 48.7
 148 63.1 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.023 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion: 75 Resp: 16366
 Ion Ratio Lower Upper
 75 100
 155 86.0 61.9 92.9
 157 107.0 84.9 127.3

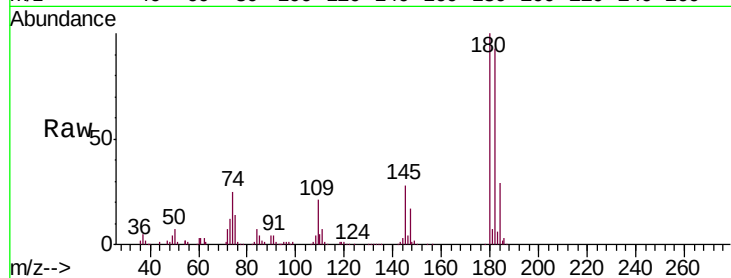




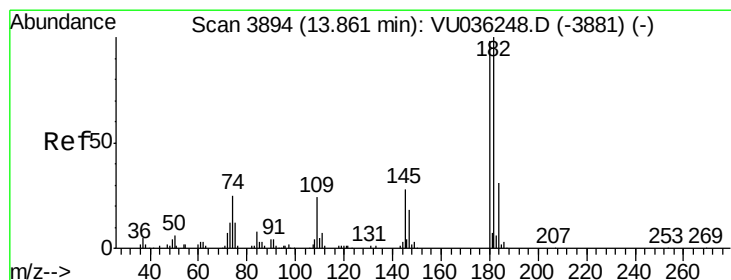
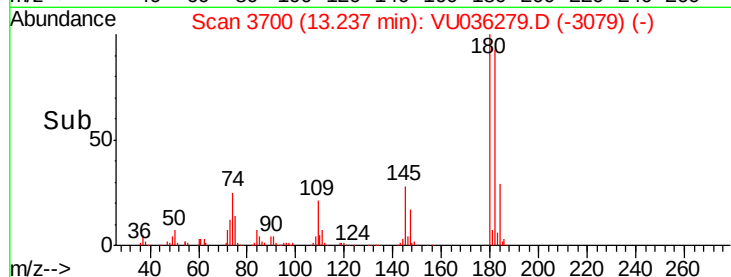
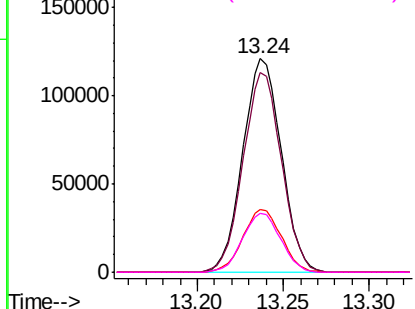
#67
 1,3,5-Trichlorobenzene
 Concen: 4.883 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Tgt Ion:	180	Resp:	188380
Ion	Ratio	Lower	Upper
180	100		
182	93.1	76.9	115.3
184	29.3	24.2	36.4
145	27.5	22.0	33.0

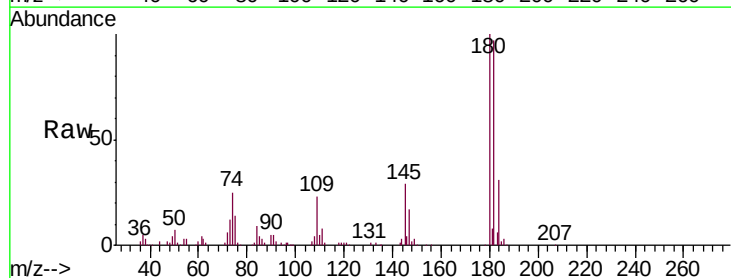


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

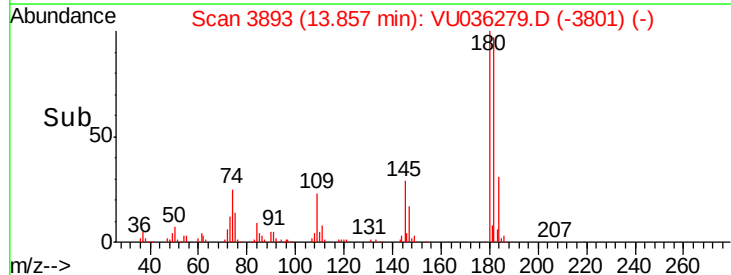
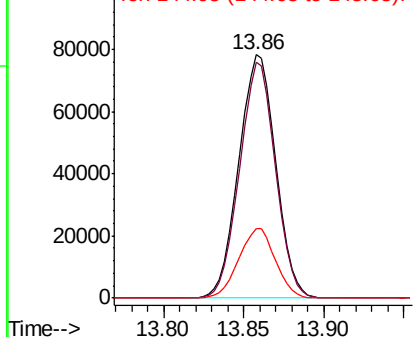


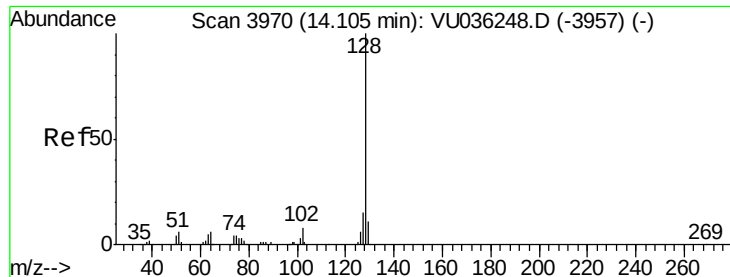
#68
 1,2,4-trichlorobenzene
 Concen: 4.853 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036279.D
 Acq: 19 Dec 2019 09:20

Tgt Ion:	180	Resp:	123004
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.3	112.9
145	28.3	22.7	34.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.511 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD00521

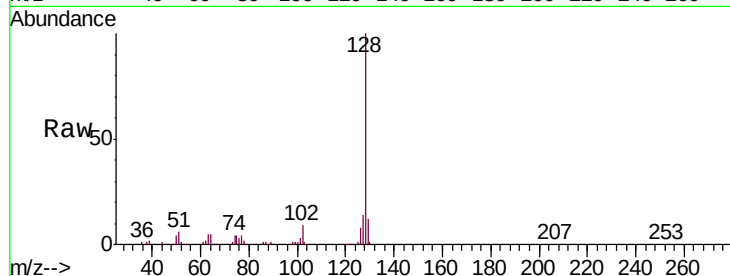
Tgt Ion:128 Resp: 145453

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

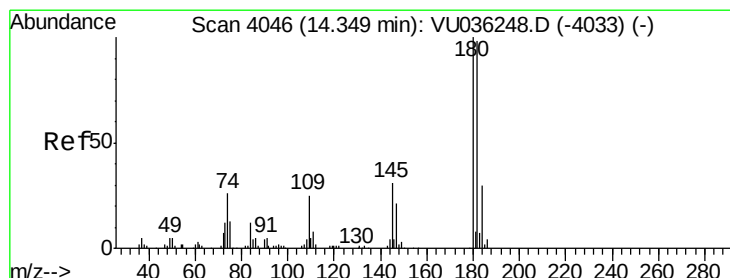
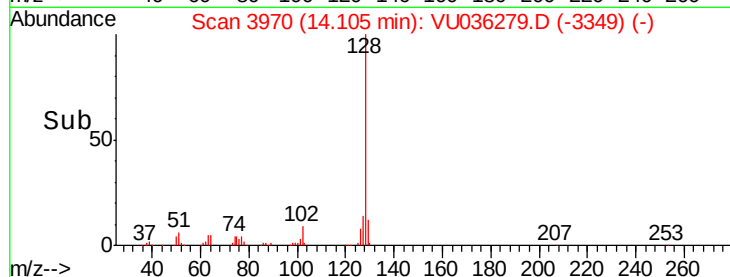
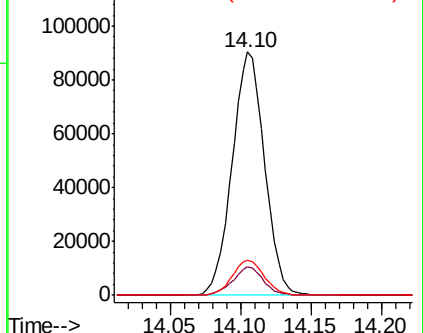
127 14.4 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.830 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036279.D

Acq: 19 Dec 2019 09:20

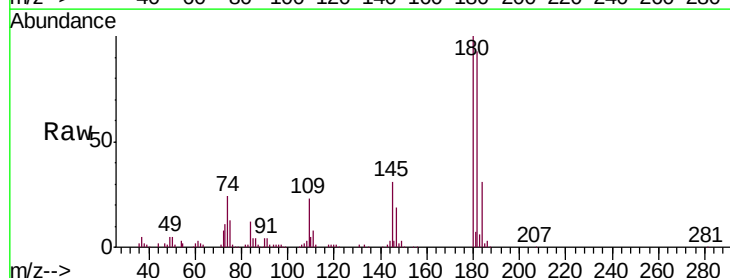
Tgt Ion:180 Resp: 118392

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

145 30.4 24.9 37.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

