

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122019\
 Data File : VU036306.D
 Acq On : 20 Dec 2019 09:33
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Dec 20 22:19:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 20 15:26:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	243880	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261512	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143305	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	112803	5.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.00%
7) Chloroethane-d5	1.93	69	102241	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.60	63	160629	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	4.69	46	202705	50.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.76%
24) Chloroform-d	5.11	84	176345	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.75	65	87975	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.77	84	321314	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.73	67	98215	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.93	98	303578	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	8.21	79	42590	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.67	63	169365	51.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.94%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	93576	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	119315	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	139155	5.112	ug/L	97
3) Chloromethane	1.54	50	148331	4.343	ug/L	99
5) Vinyl chloride	1.62	62	152557	4.708	ug/L	97
6) Bromomethane	1.88	94	90063	5.562	ug/L	93
8) Chloroethane	1.95	64	94736	4.895	ug/L	99
9) Trichlorofluoromethane	2.16	101	206199	5.049	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	102218	5.224	ug/L	99
12) 1,1-Dichloroethene	2.61	96	89279	4.935	ug/L	92
13) Acetone	2.67	43	173284	49.418	ug/L	96
14) Carbon disulfide	2.82	76	290020	4.778	ug/L	97
15) Methyl Acetate	2.99	43	38075	5.374	ug/L	99
16) Methylene chloride	3.08	84	113285	4.259	ug/L	97
17) Methyl tert-butyl Ether	3.41	73	189736	4.893	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	92741	4.894	ug/L	95
19) 1,1-Dichloroethane	3.92	63	178179	5.093	ug/L	99
21) 2-Butanone	4.77	43	252689	53.929	ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	99395	4.890	ug/L	97

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

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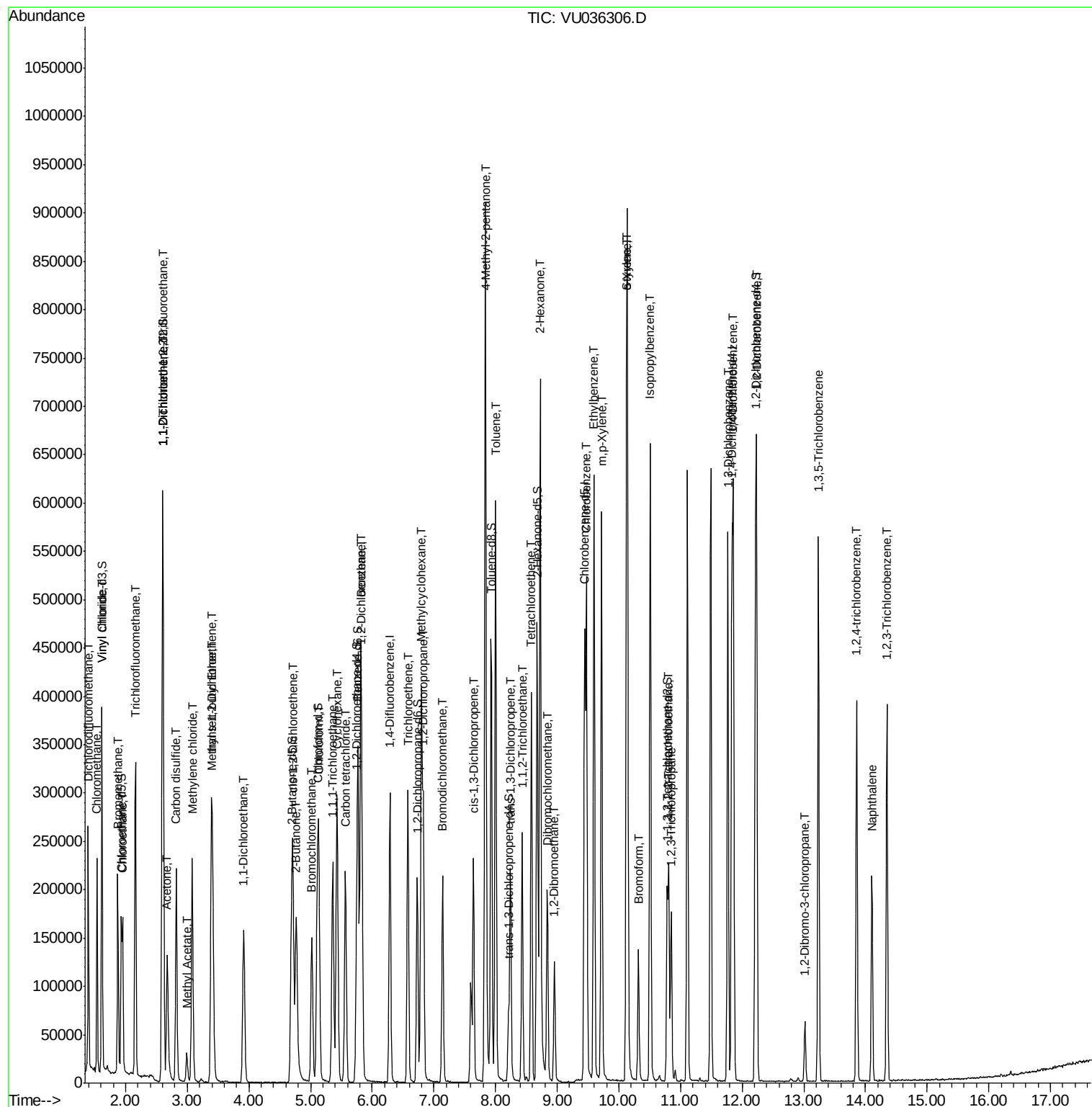
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52168	5.305	ug/L	98
25) Chloroform	5.13	83	193012	5.100	ug/L	99
27) 1,2-Dichloroethane	5.84	62	120600	5.373	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	166295	5.165	ug/L	99
30) Cyclohexane	5.43	56	126078	4.603	ug/L	98
31) Carbon tetrachloride	5.57	117	151867	5.174	ug/L	99
33) Benzene	5.82	78	403375	5.019	ug/L	100
34) Trichloroethene	6.58	95	103142	4.978	ug/L	98
35) Methylcyclohexane	6.80	83	139272	4.728	ug/L	96
37) 1,2-Dichloropropane	6.83	63	102314	4.990	ug/L	99
38) Bromodichloromethane	7.14	83	136908	5.130	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	137005	4.904	ug/L	97
40) 4-Methyl-2-pentanone	7.84	43	585543	54.596	ug/L	99
42) Toluene	8.00	91	438867	5.095	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	123065	5.244	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	79855	5.198	ug/L	94
47) Tetrachloroethene	8.58	164	92556	4.946	ug/L	95
48) 2-Hexanone	8.72	43	450048	56.228	ug/L	99
49) Dibromochloromethane	8.84	129	100922	5.315	ug/L	100
50) 1,2-Dibromoethane	8.95	107	75323	5.140	ug/L	96
51) Chlorobenzene	9.47	112	278634	4.898	ug/L	99
52) Ethylbenzene	9.60	91	421630	4.873	ug/L	99
53) m,p-Xylene	9.72	106	170481	5.114	ug/L	100
54) o-Xylene	10.13	106	159398	4.957	ug/L	96
55) Styrene	10.14	104	290220	5.100	ug/L	97
56) Isopropylbenzene	10.51	105	413444	5.007	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	102763	5.254	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	74831	5.491	ug/L	97
61) Bromoform	10.32	173	61859	4.972	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	243018	5.027	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	240163	5.008	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	232031	5.037	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	16277	5.320	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	181844	5.019	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	125702	5.282	ug/L	96
69) Naphthalene	14.10	128	169953	5.613	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	126463	5.494	ug/L	98

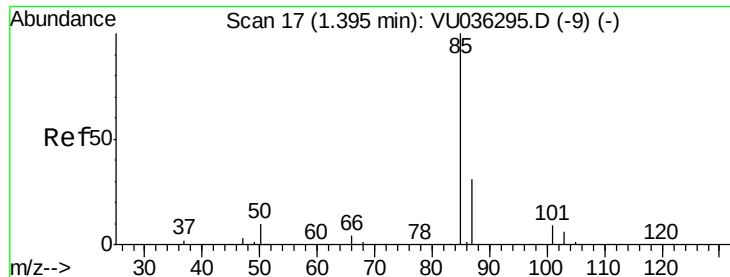
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU036306.D
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

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#2

Dichlorodifluoromethane

Concen: 5.112 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

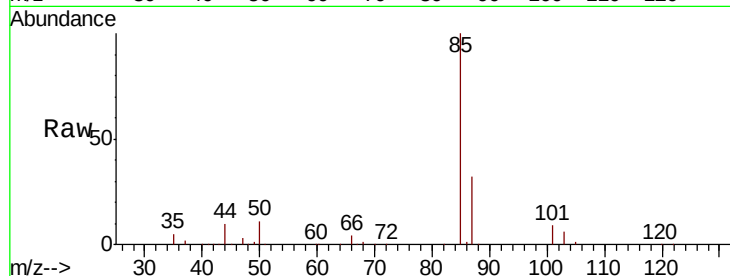
VSTD00524

Tot Ion: 85 Resp: 139155

Ion Ratio Lower Upper

85 100

87 31.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036295.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036295.D (-9) (-)

1.39

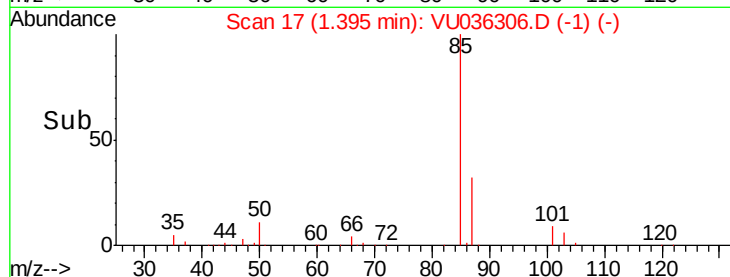
150000

100000

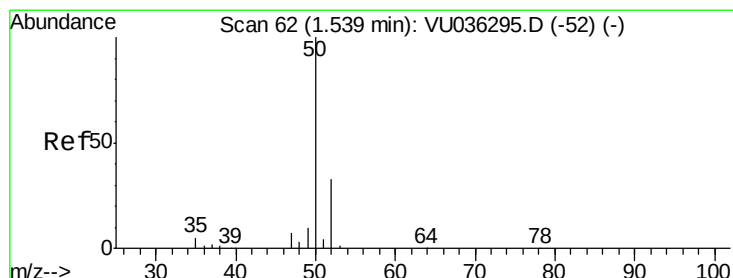
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.343 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036306.D

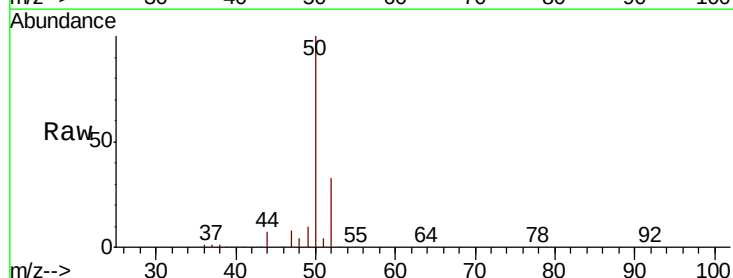
Acq: 20 Dec 2019 09:33

Tgt Ion: 50 Resp: 148331

Ion Ratio Lower Upper

50 100

52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036295.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036295.D (-52) (-)

1.54

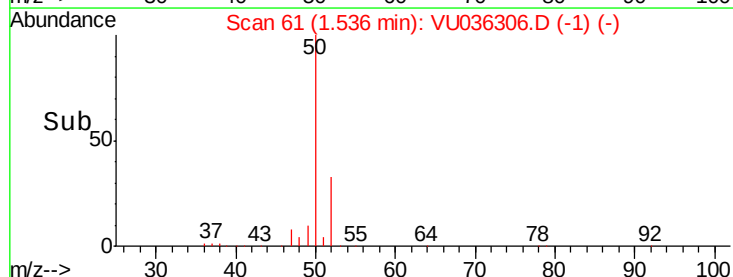
150000

100000

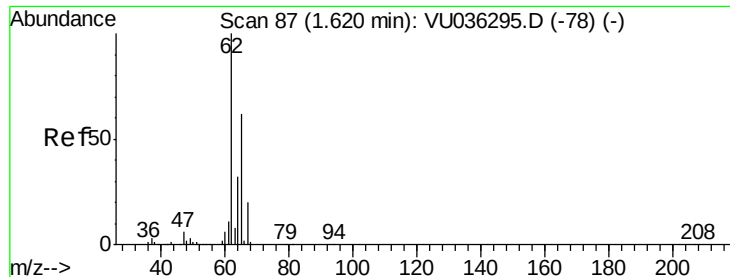
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.708 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

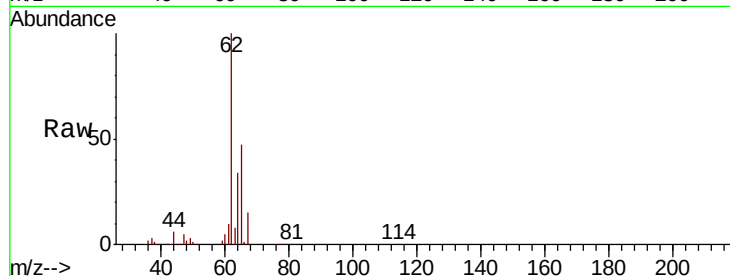
VSTD00524

Tot Ion: 62 Resp: 152557

Ion Ratio Lower Upper

62 100

64 33.9 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036295.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU036306.D (-1) (-)

1.62

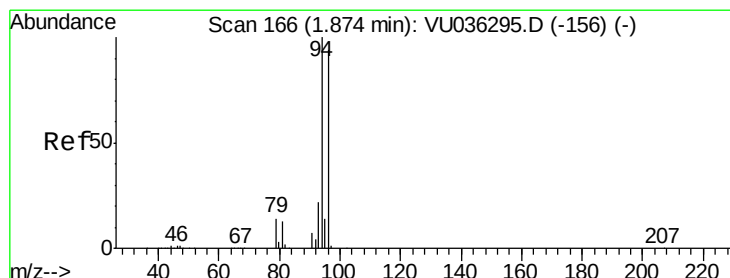
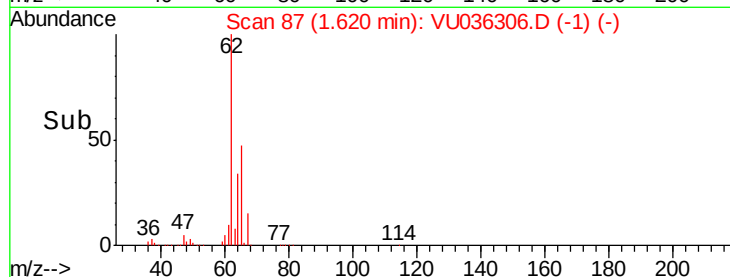
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.562 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU036306.D

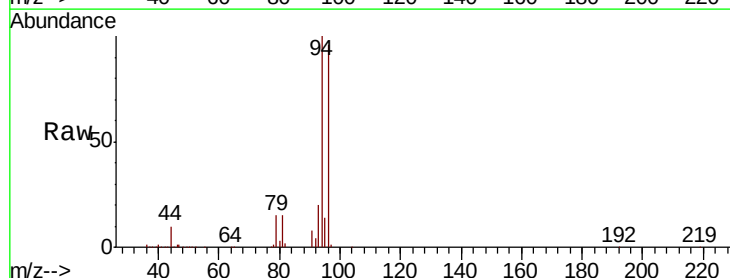
Acq: 20 Dec 2019 09:33

Tgt Ion: 94 Resp: 90063

Ion Ratio Lower Upper

94 100

96 96.4 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036295.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036306.D (-73) (-)

1.88

80000

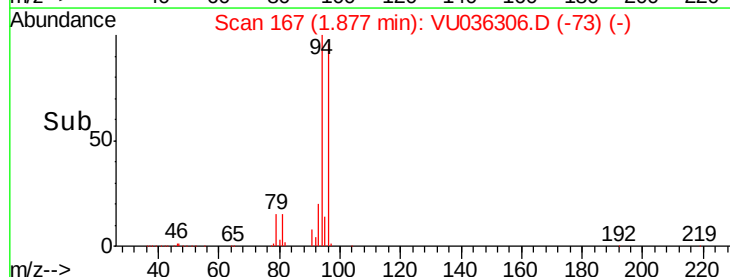
60000

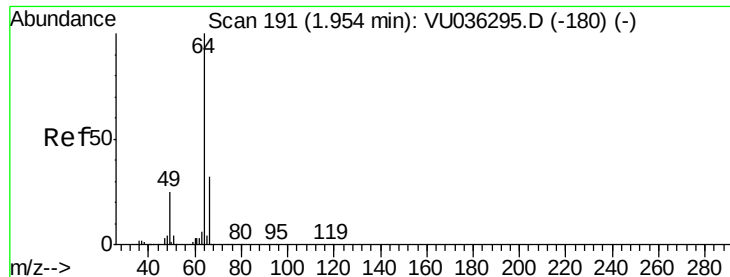
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.895 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

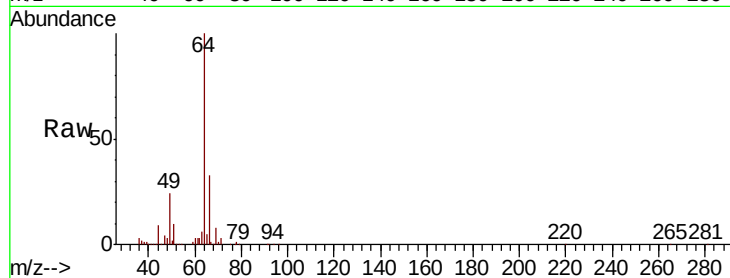
VSTD00524

Tot Ion: 64 Resp: 94736

Ion Ratio Lower Upper

64 100

66 32.7 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036295.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036295.D (-180) (-)

1.95

80000

60000

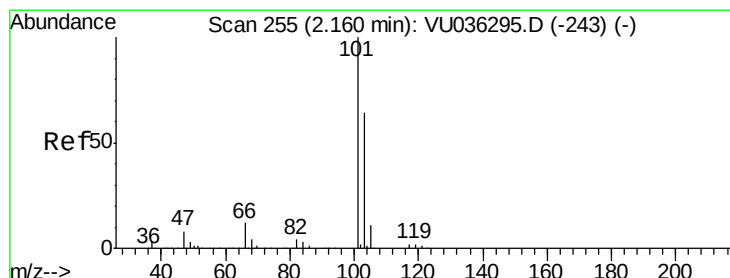
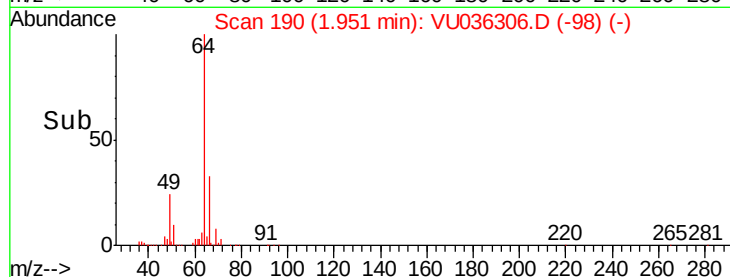
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.049 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036306.D

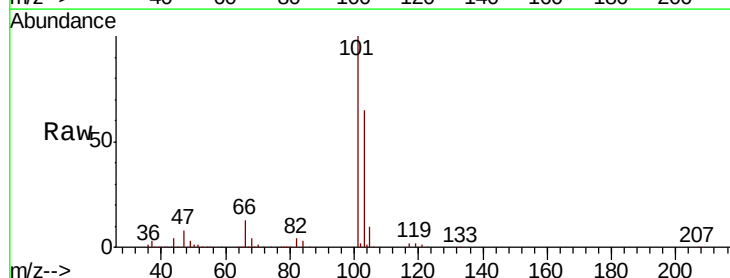
Acq: 20 Dec 2019 09:33

Tgt Ion: 101 Resp: 206199

Ion Ratio Lower Upper

101 100

103 65.8 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036295.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036295.D (-243) (-)

2.16

150000

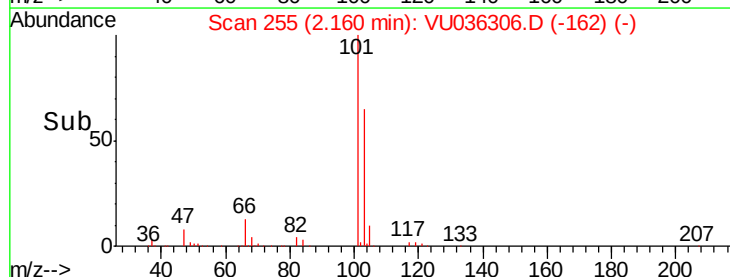
100000

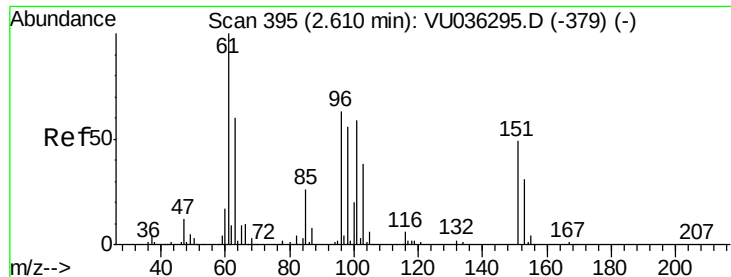
50000

0

2.10 2.15 2.20 2.25

Time-->





#10

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

Concen: 5.224 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

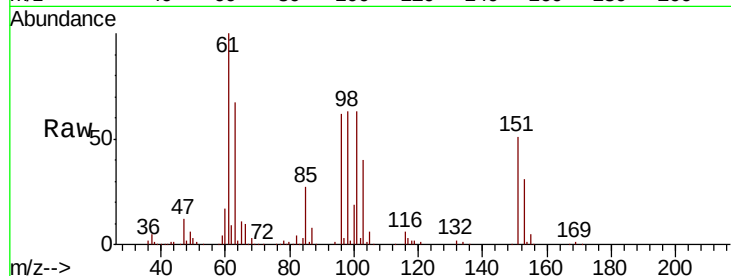
Tot Ion:101 Resp: 102218

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.6

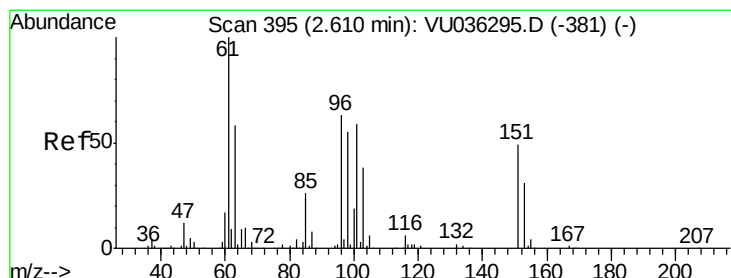
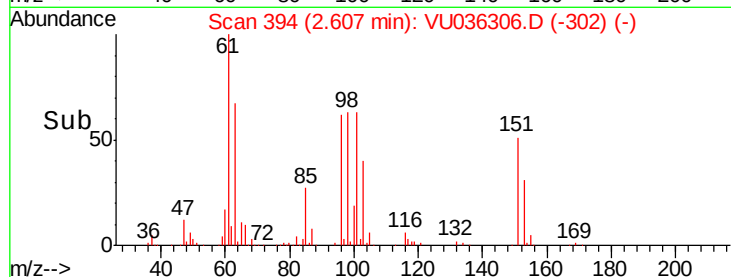
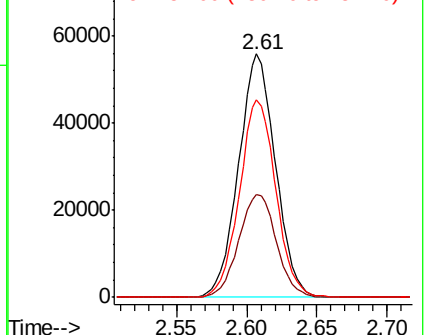
151 80.4 63.9 95.9



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: 4.935 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

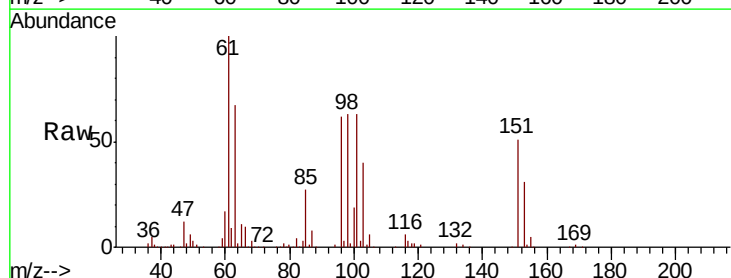
Tgt Ion: 96 Resp: 89279

Ion Ratio Lower Upper

96 100

61 160.5 114.0 211.8

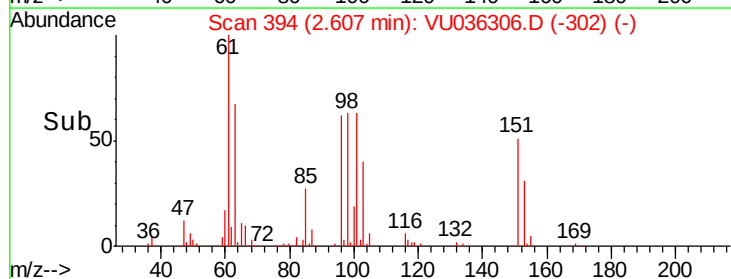
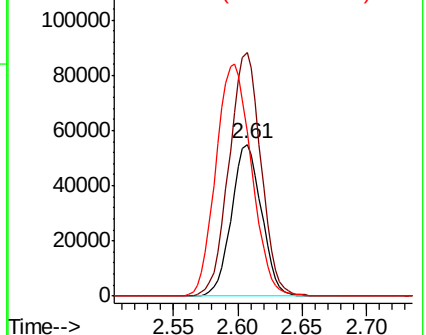
63 108.2 63.6 118.0

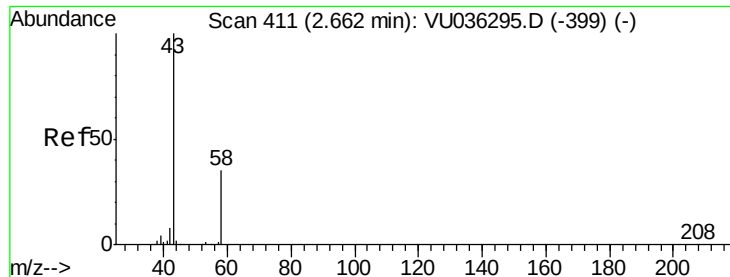


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.418 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

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MSVOA_U

ClientSampleId :

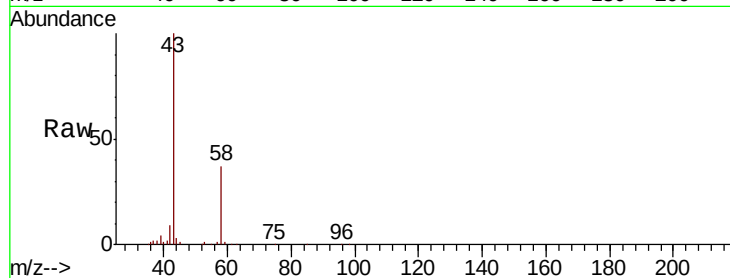
VSTD00524

Tot Ion: 43 Resp: 173284

Ion Ratio Lower Upper

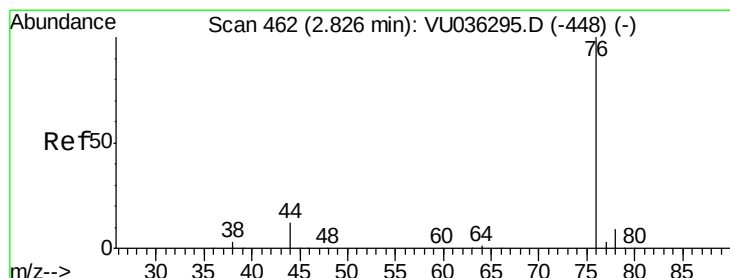
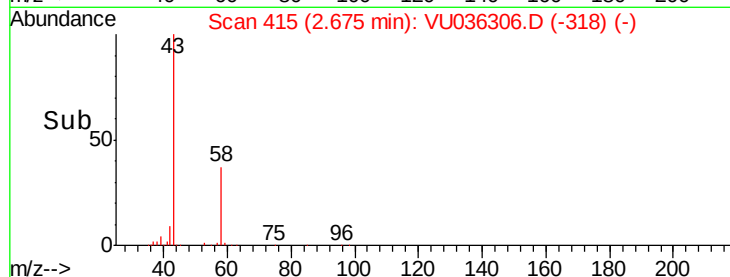
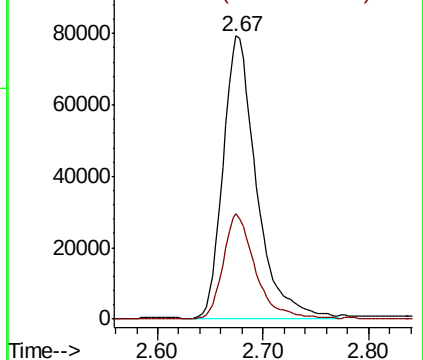
43 100

58 36.1 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036295.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036295.D (-399) (-)



#14

Carbon disulfide

Concen: 4.778 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036306.D

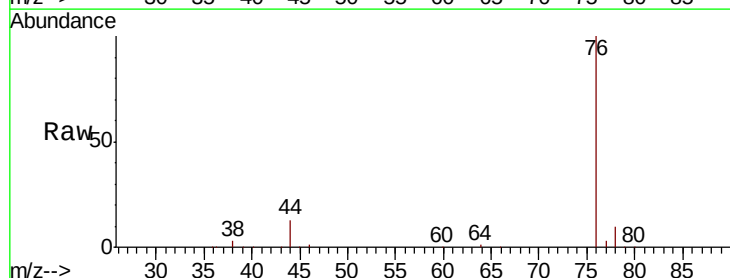
Acq: 20 Dec 2019 09:33

Tgt Ion: 76 Resp: 290020

Ion Ratio Lower Upper

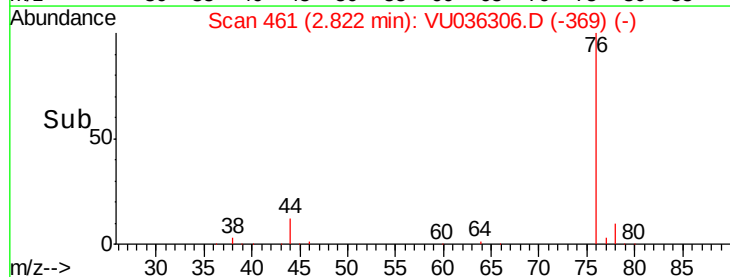
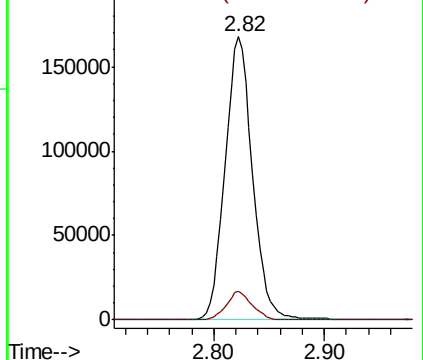
76 100

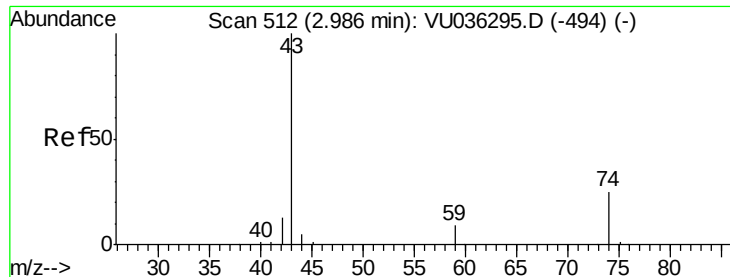
78 10.1 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036295.D (-448) (-)

Ion 78.00 (77.70 to 78.70): VU036295.D (-448) (-)

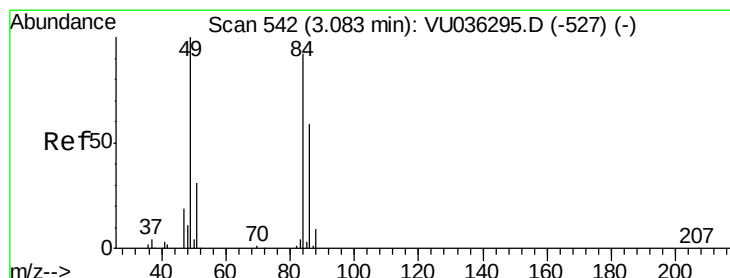
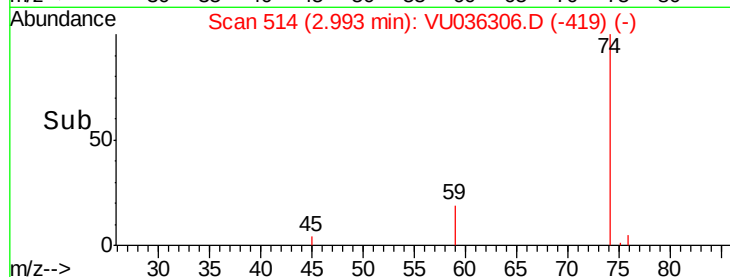
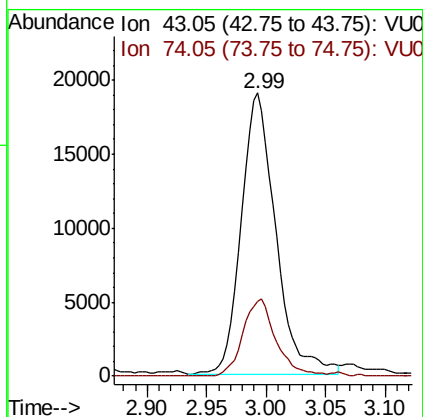
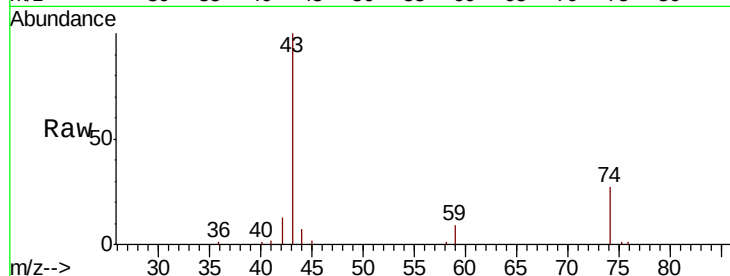




#15
Methvl Acetate
Concen: 5.374 ug/L
RT: 2.99 min Scan# 514
Delta R.T. 0.01 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

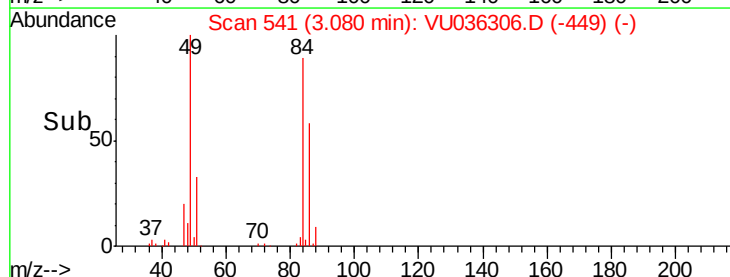
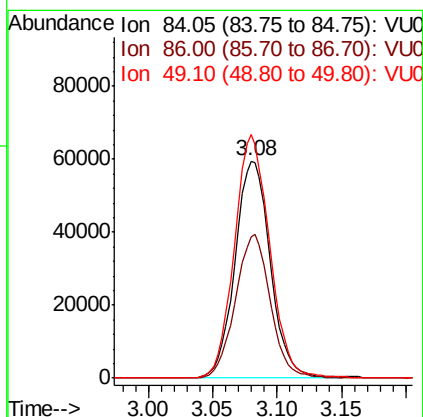
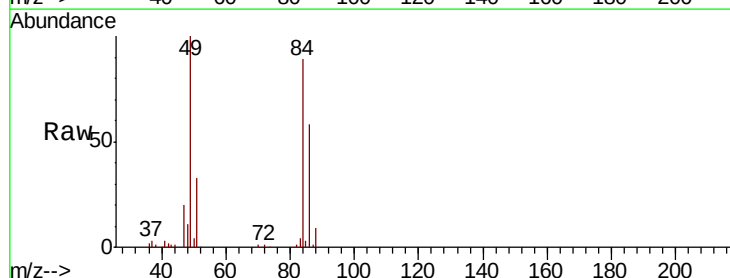
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

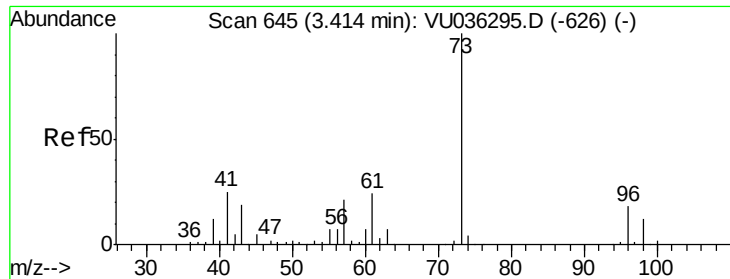
Tot Ion: 43 Resp: 38075
Ion Ratio Lower Upper
43 100
74 26.3 20.8 31.2



#16
Methylene chloride
Concen: 4.259 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion: 84 Resp: 113285
Ion Ratio Lower Upper
84 100
86 65.3 43.0 79.8
49 112.2 77.3 143.5

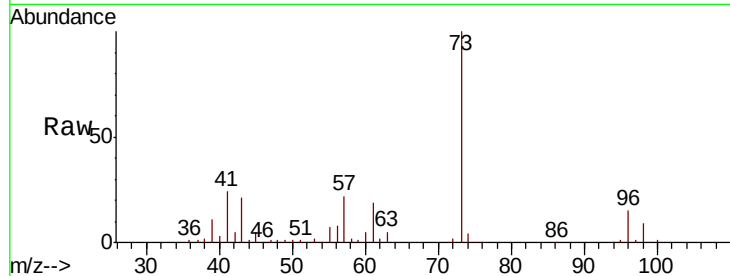




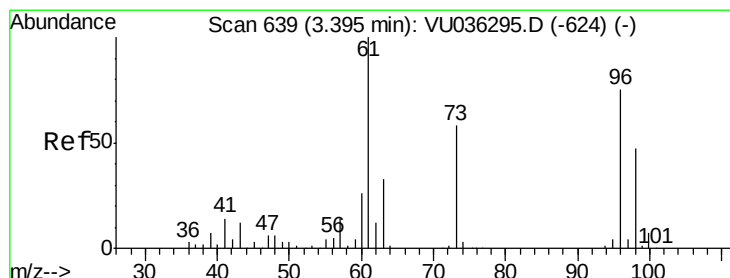
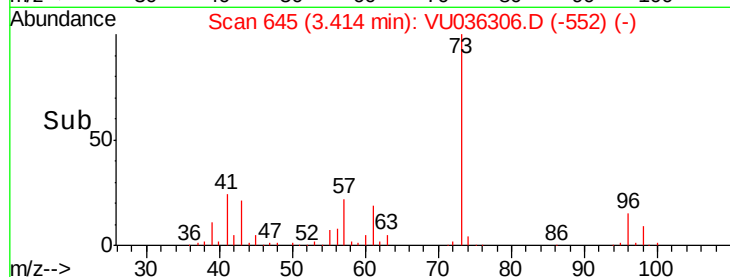
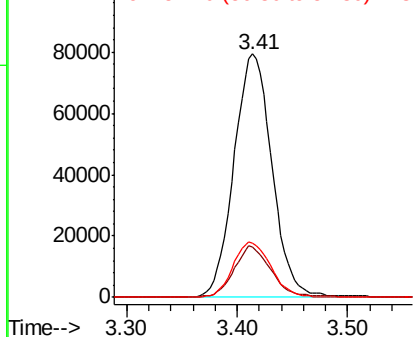
#17
Methyl tert-butyl Ether
Concen: 4.893 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 73 Resp: 189736
Ion Ratio Lower Upper
73 100
43 20.7 15.3 22.9
57 22.7 18.2 27.2

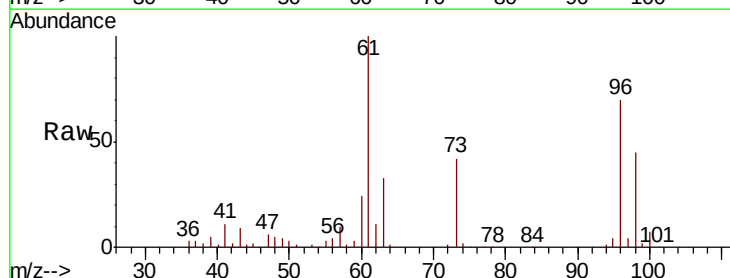


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

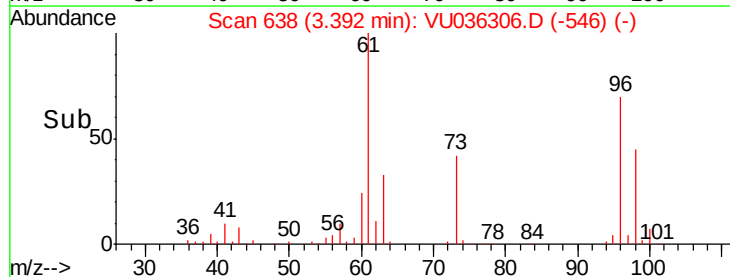
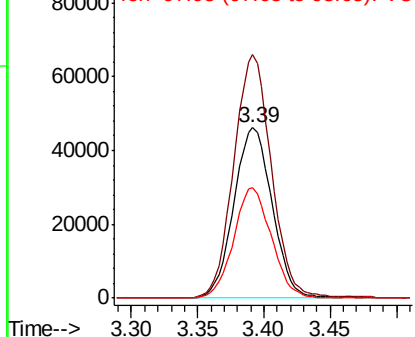


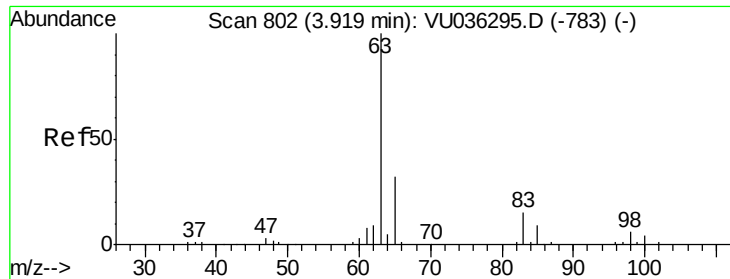
#18
trans-1,2-Dichloroethene
Concen: 4.894 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion: 96 Resp: 92741
Ion Ratio Lower Upper
96 100
61 143.0 94.8 176.2
98 65.0 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

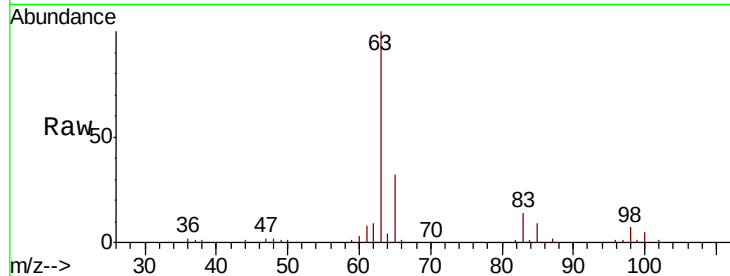




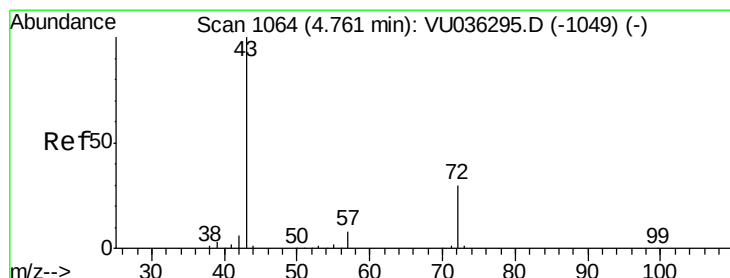
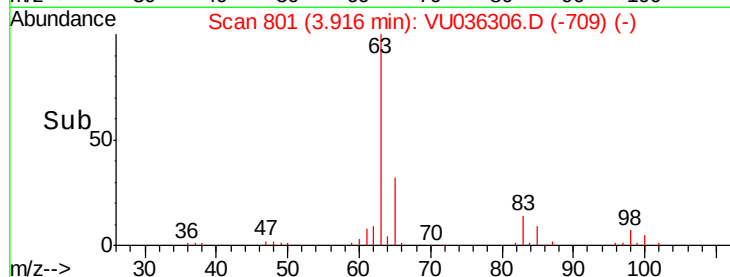
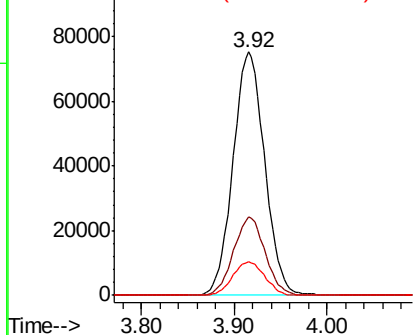
#19
 1,1-Dichloroethane
 Concen: 5.093 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 63 Resp: 178179
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.6 42.0
 83 13.7 9.7 18.1

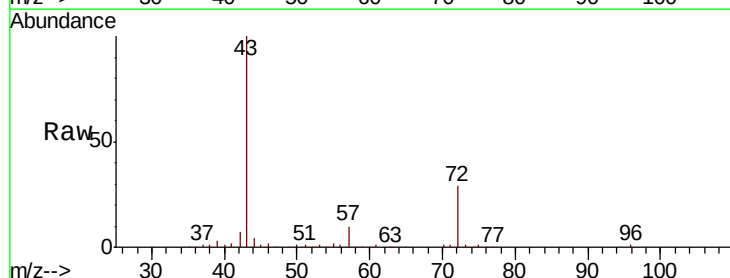


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

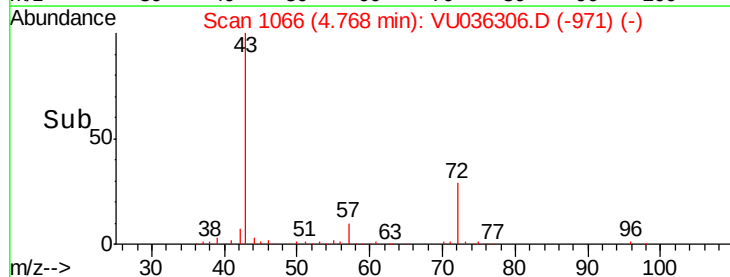
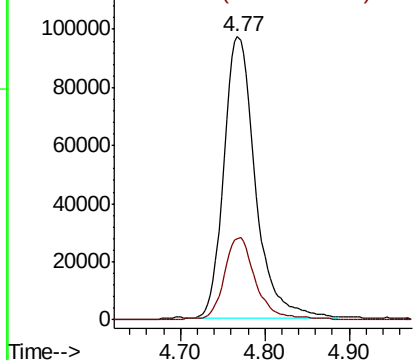


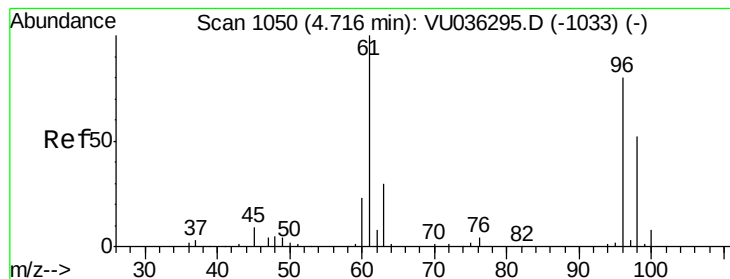
#21
 2-Butanone
 Concen: 53.929 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion: 43 Resp: 252689
 Ion Ratio Lower Upper
 43 100
 72 29.8 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: 4.890 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

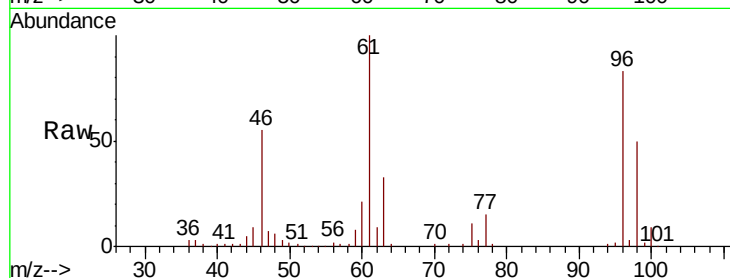
Tot Ion: 96 Resp: 99395

Ion Ratio Lower Upper

96 100

61 121.0 86.7 161.1

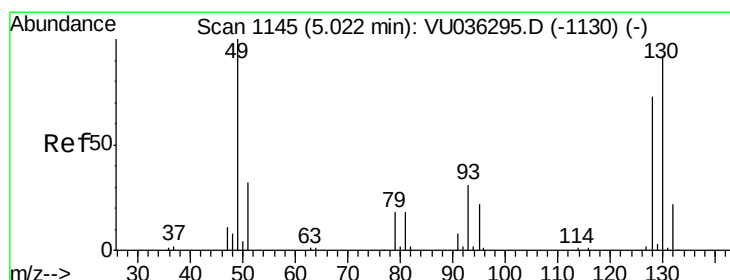
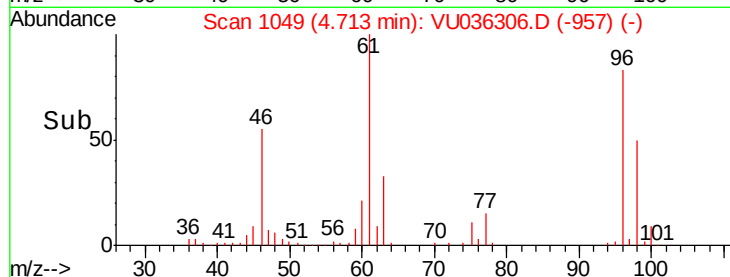
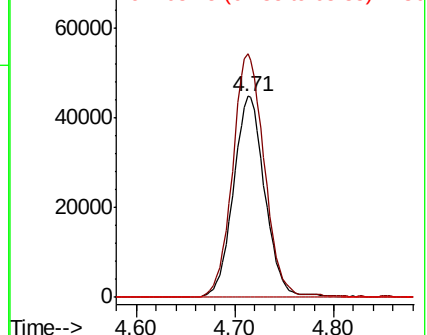
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036295.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036295.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036295.D (-1033) (-)



#23

Bromochloromethane

Concen: 5.305 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Tgt Ion: 128 Resp: 52168

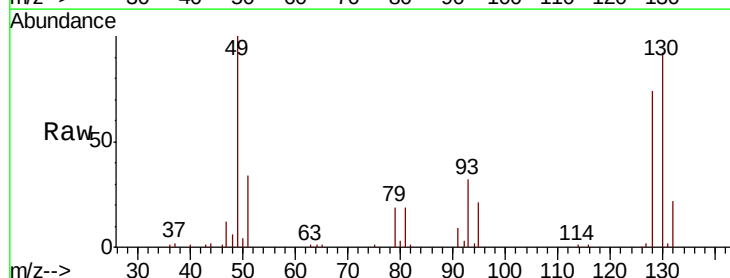
Ion Ratio Lower Upper

128 100

49 135.0 97.6 181.4

130 124.4 85.9 159.5

51 45.8 37.0 55.4

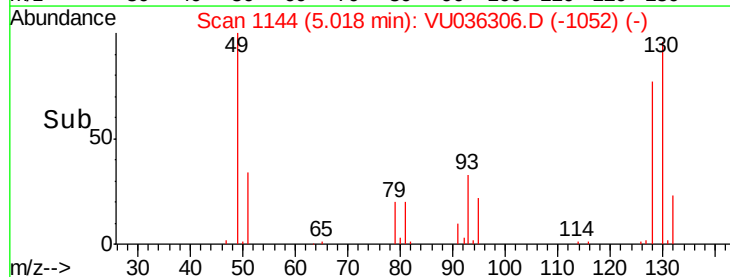
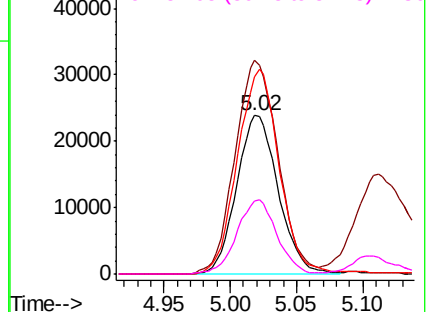


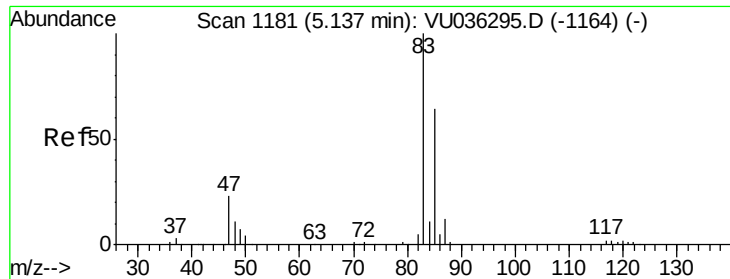
Abundance Ion 127.90 (127.60 to 128.60): VU036295.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU036295.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU036295.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU036295.D (-1130) (-)

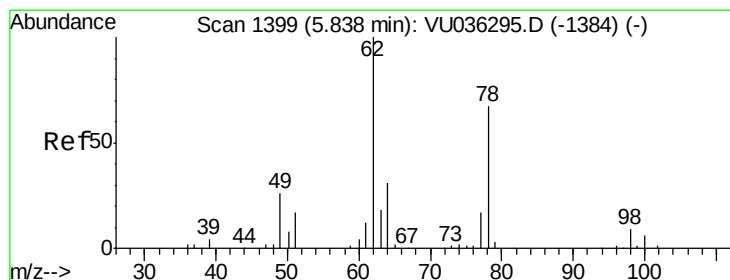
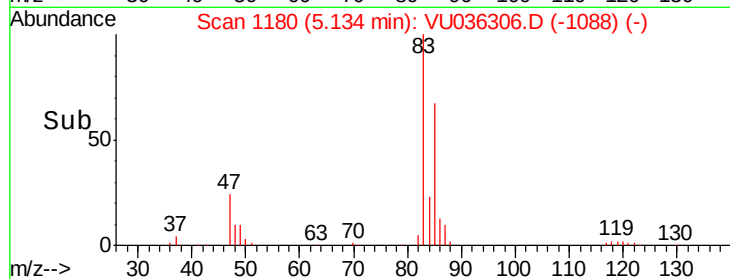
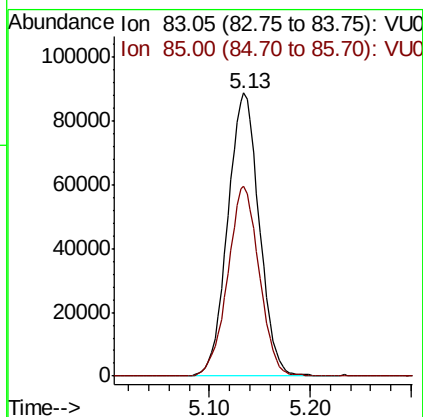
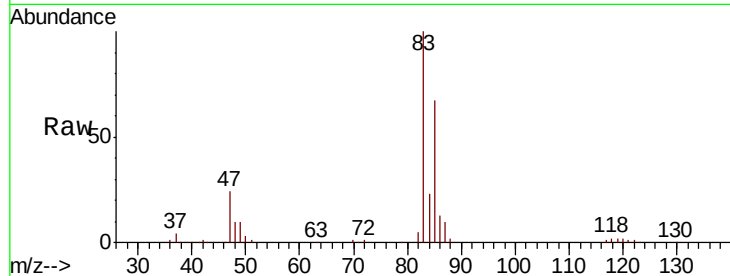




#25
Chloroform
Concen: 5.100 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

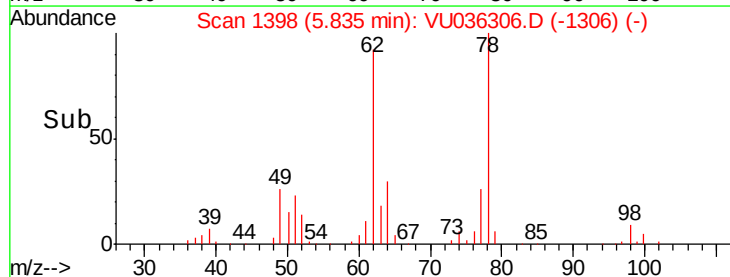
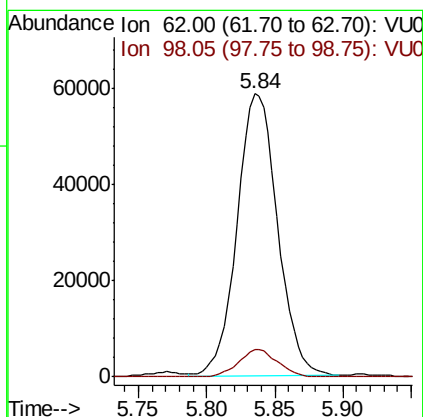
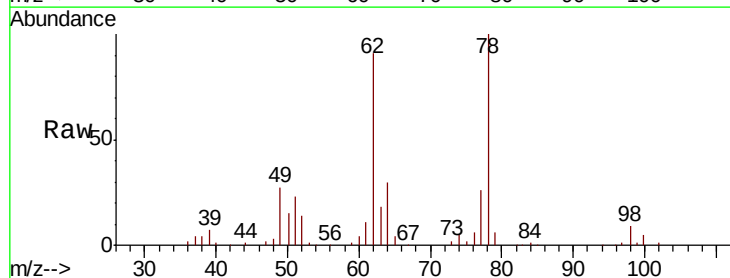
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

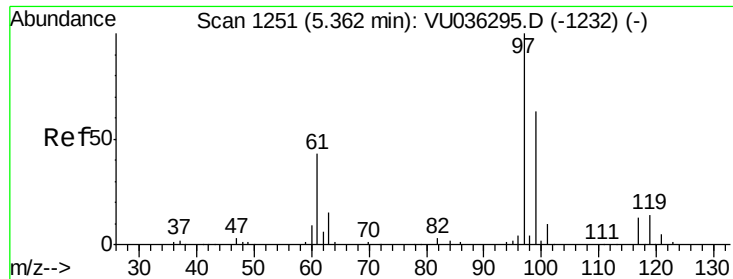
Tot Ion: 83 Resp: 193012
Ion Ratio Lower Upper
83 100
85 67.3 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.373 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion: 62 Resp: 120600
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

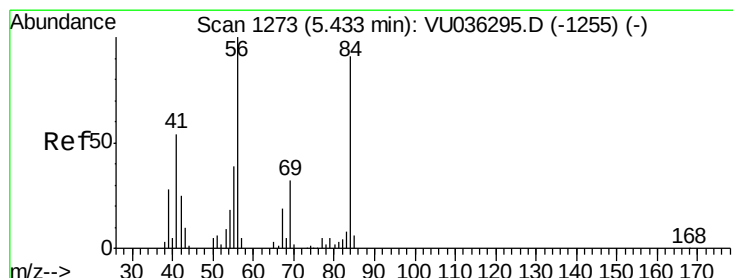
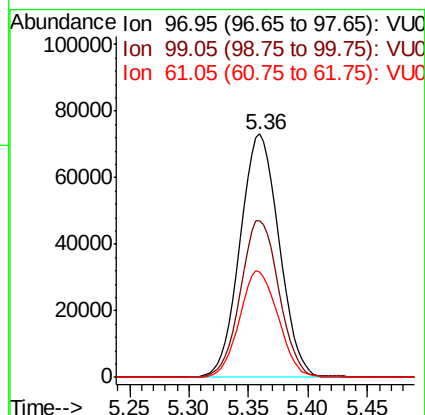
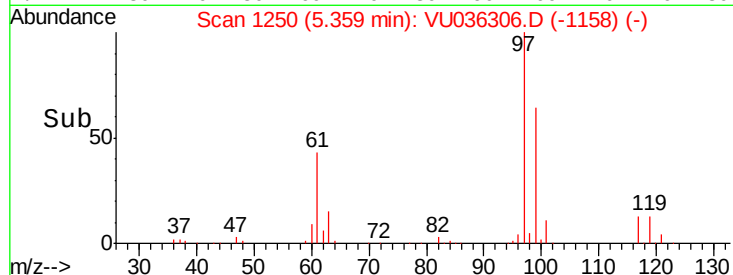
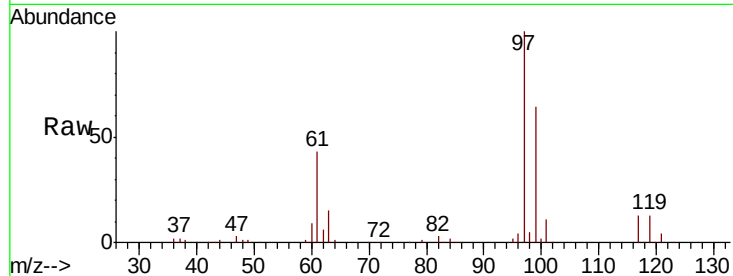




#29
 1,1,1-Trichloroethane
 Concen: 5.165 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

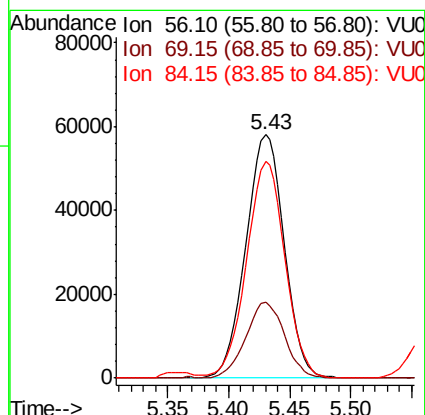
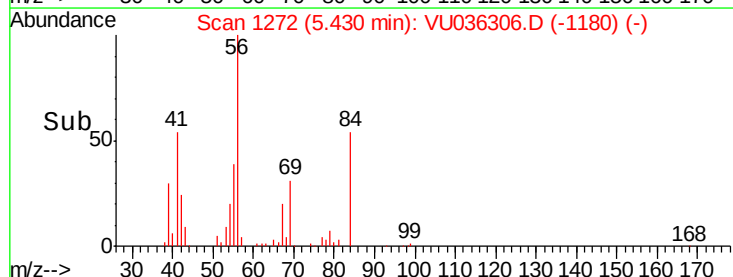
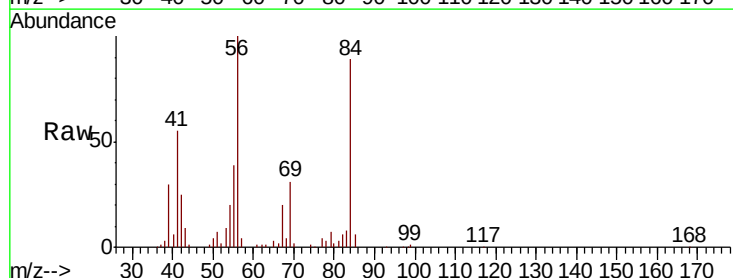
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

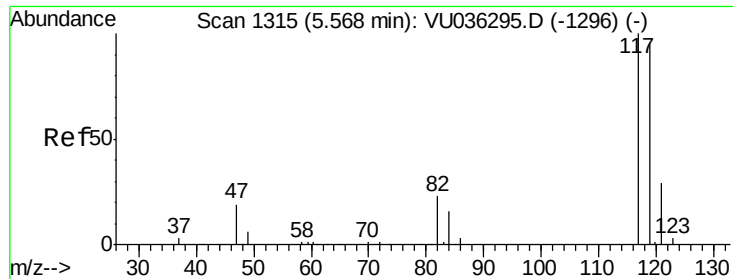
Tot Ion: 97 Resp: 166295
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.4 77.2
 61 43.3 35.0 52.6



#30
 Cyclohexane
 Concen: 4.603 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion: 56 Resp: 126078
 Ion Ratio Lower Upper
 56 100
 69 31.4 25.6 38.4
 84 89.2 73.0 109.4





#31

Carbon tetrachloride

Concen: 5.174 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

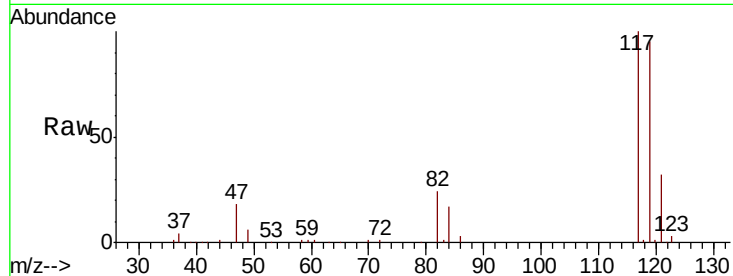
VSTD00524

Tot Ion:117 Resp: 151867

Ion Ratio Lower Upper

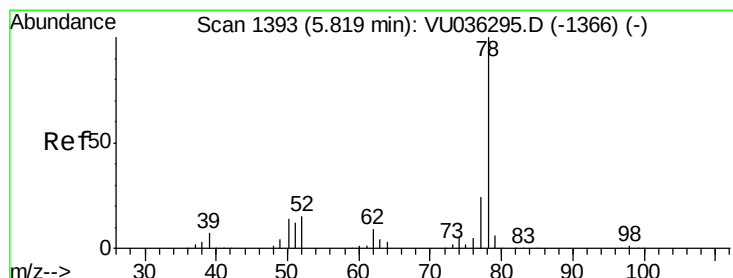
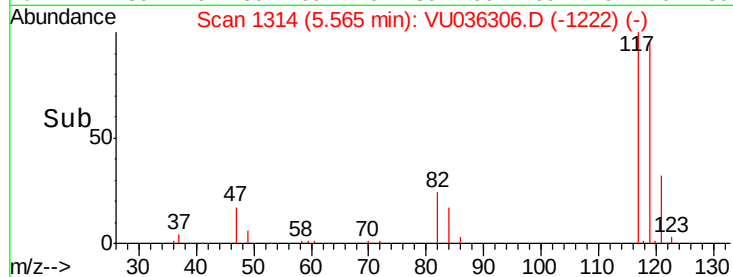
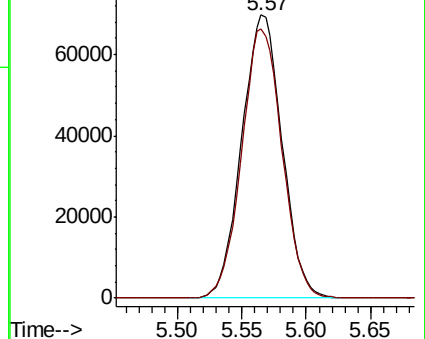
117 100

119 95.1 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.019 ug/L

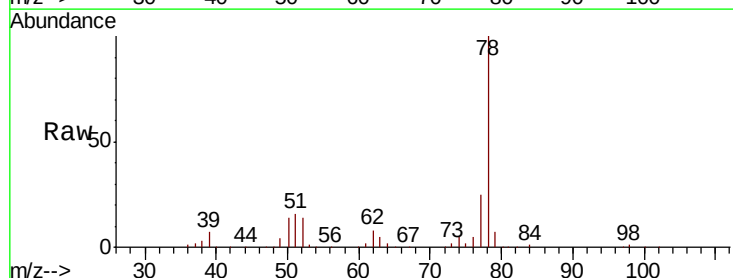
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

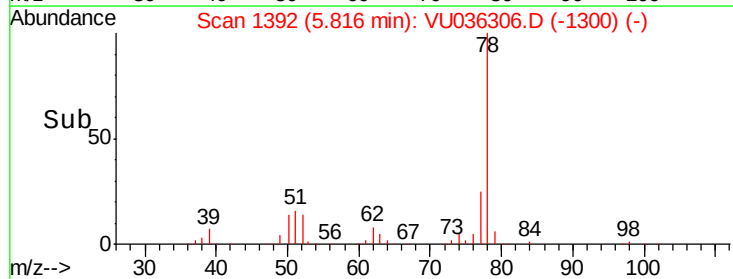
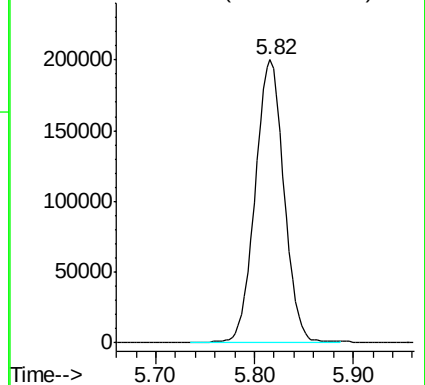
Lab File: VU036306.D

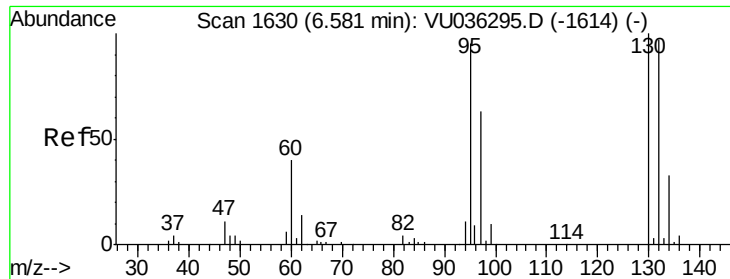
Acq: 20 Dec 2019 09:33

Tgt Ion: 78 Resp: 403375



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.978 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 95 Resp: 103142

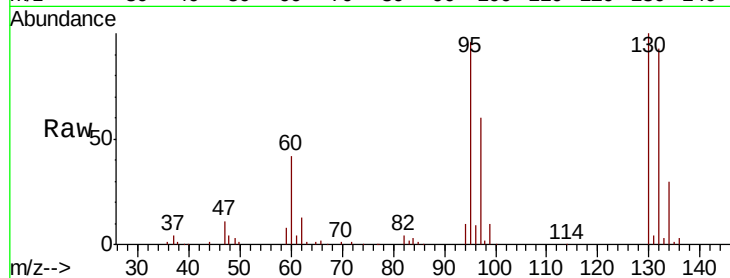
Ion Ratio Lower Upper

95 100

97 63.0 43.6 81.0

132 97.7 69.6 129.2

130 104.6 70.3 130.7

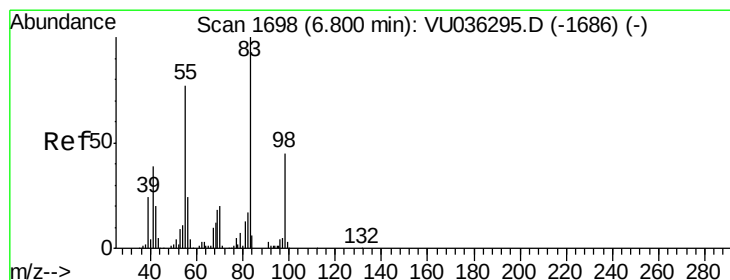
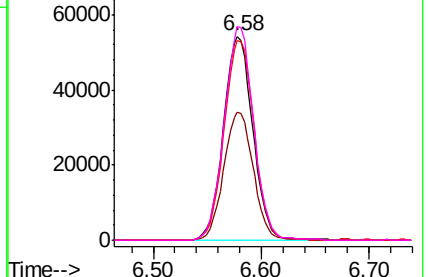
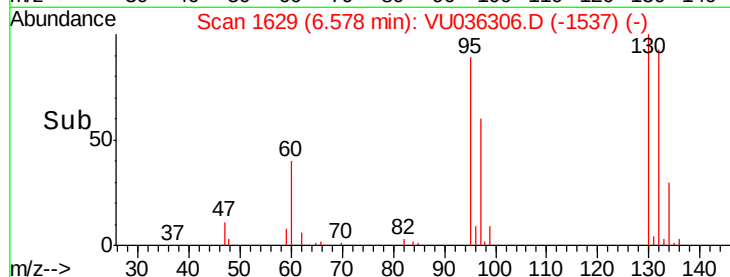


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.728 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

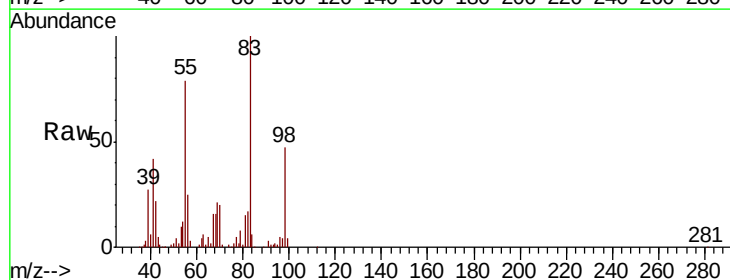
Tgt Ion: 83 Resp: 139272

Ion Ratio Lower Upper

83 100

55 82.0 62.6 94.0

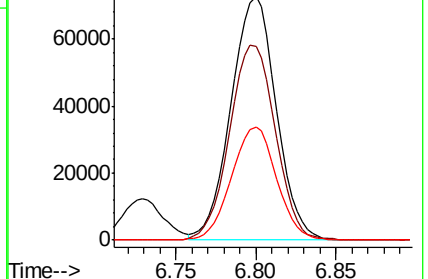
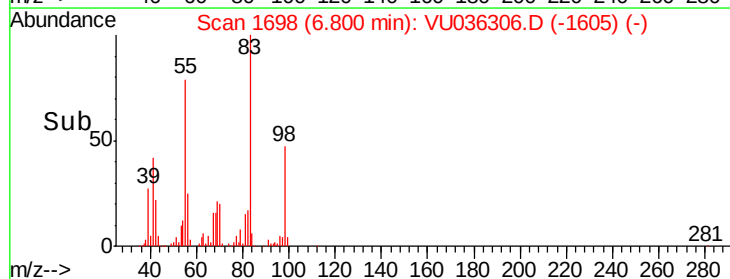
98 46.8 36.2 54.2

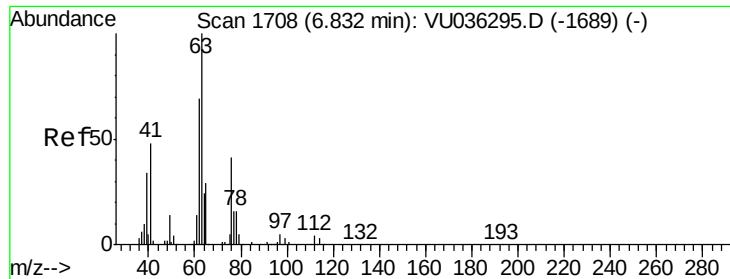


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

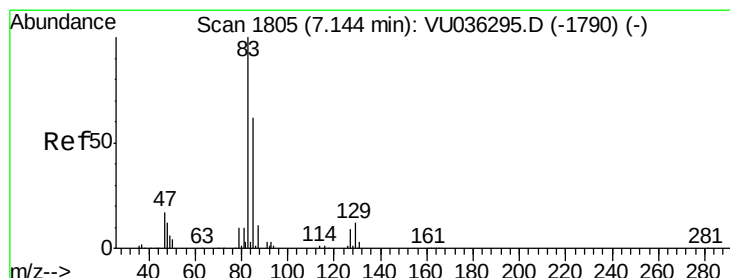
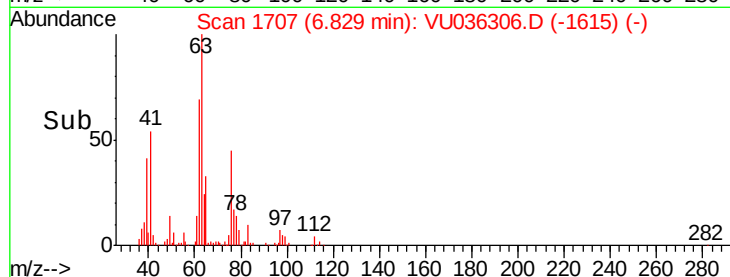
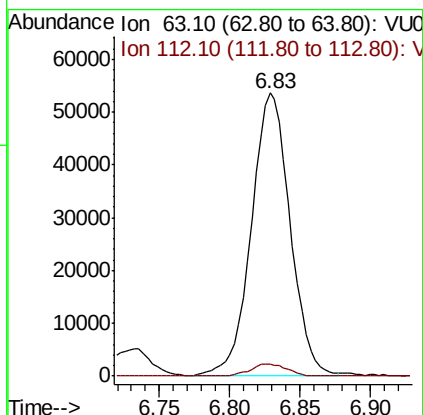
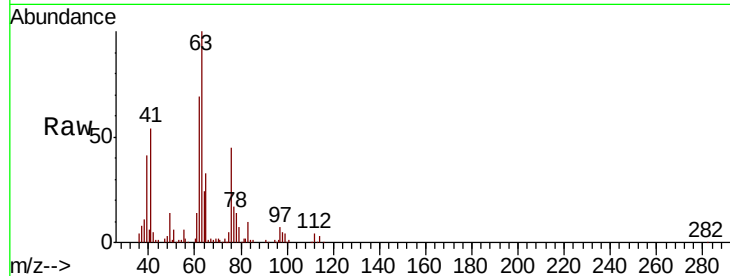




#37
 1,2-Dichloropropane
 Concen: 4.990 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

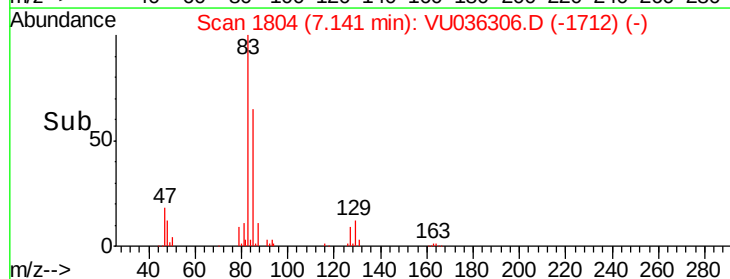
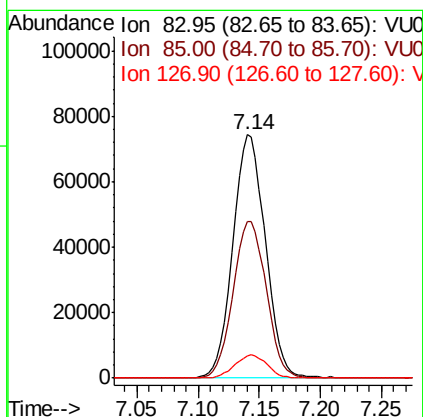
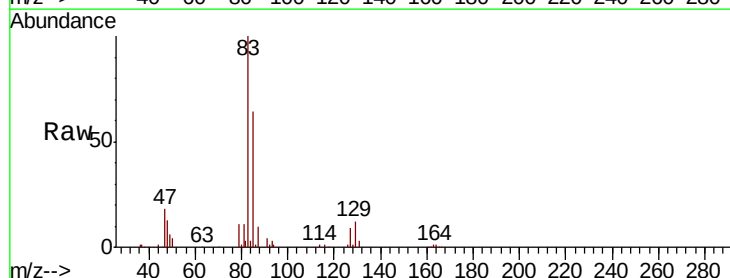
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

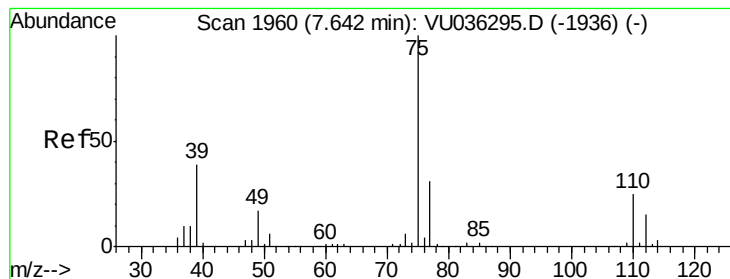
Tot Ion: 63 Resp: 102314
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.130 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion: 83 Resp: 136908
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.6 84.6
 127 9.1 7.1 10.7



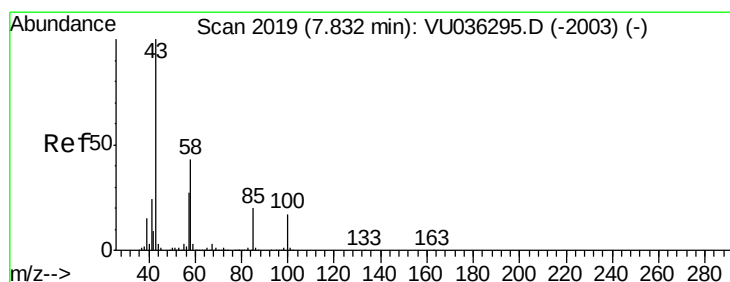
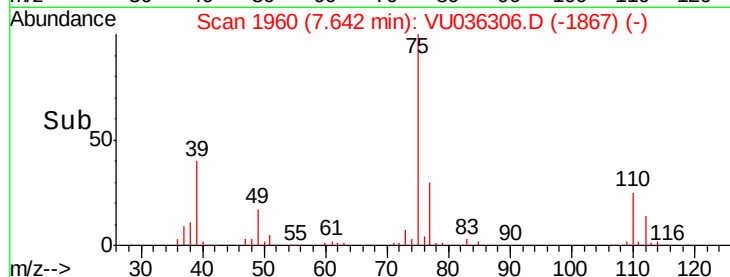
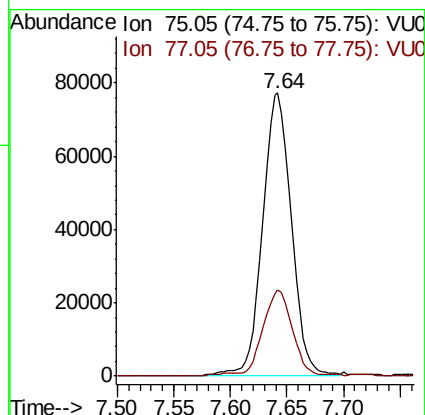
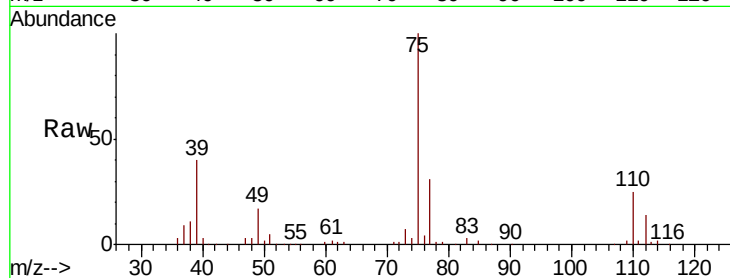


#39

cis-1,3-Dichloropropene
Concen: 4.904 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

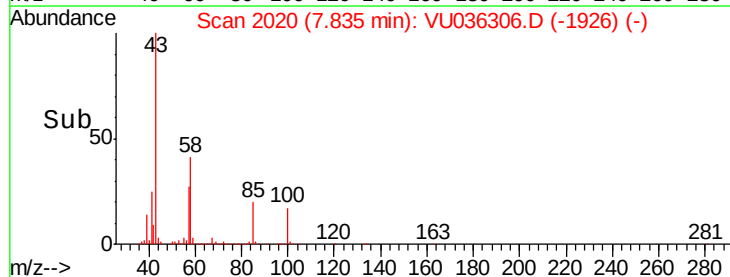
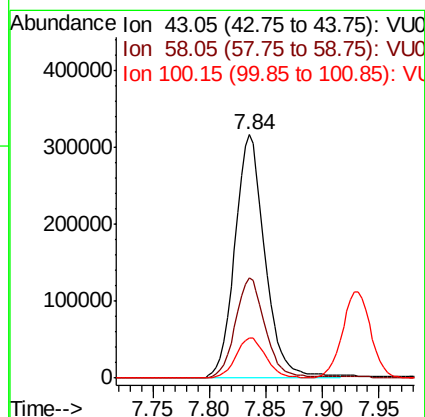
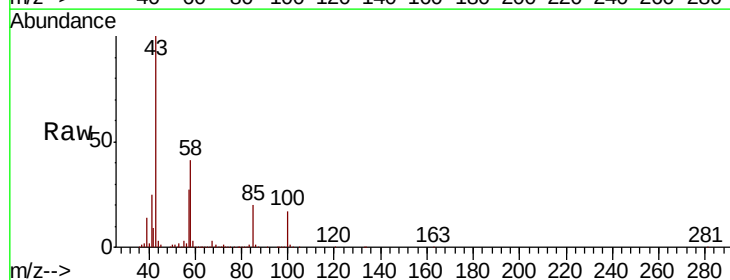
Tot Ion: 75 Resp: 137005
Ion Ratio Lower Upper
75 100
77 30.6 22.7 42.1

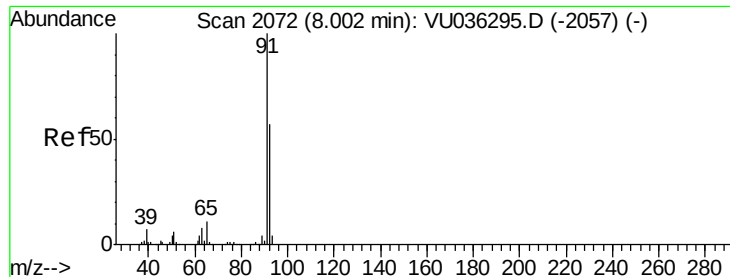


#40

4-Methyl-2-pentanone
Concen: 54.596 ug/L
RT: 7.84 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion: 43 Resp: 585543
Ion Ratio Lower Upper
43 100
58 41.0 33.3 49.9
100 16.5 13.7 20.5





#42

Toluene

Concen: 5.095 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

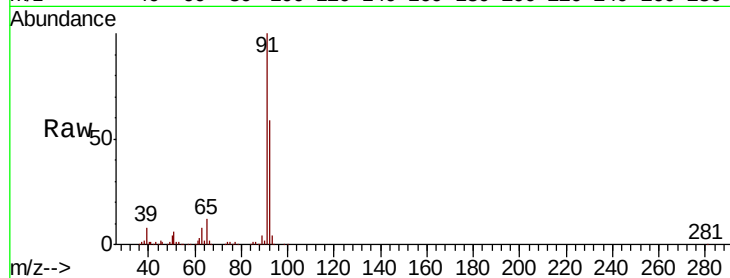
VSTD00524

Tot Ion: 91 Resp: 438867

Ion Ratio Lower Upper

91 100

92 59.4 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036295.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036295.D (-2057) (-)

8.00

250000

200000

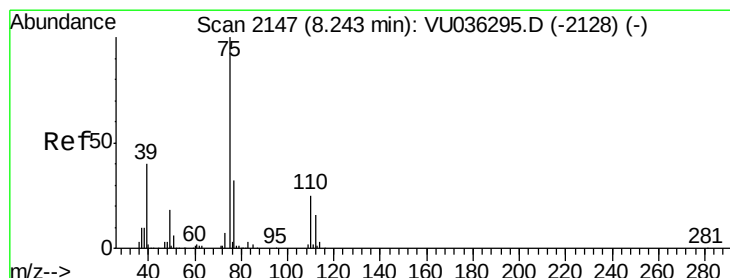
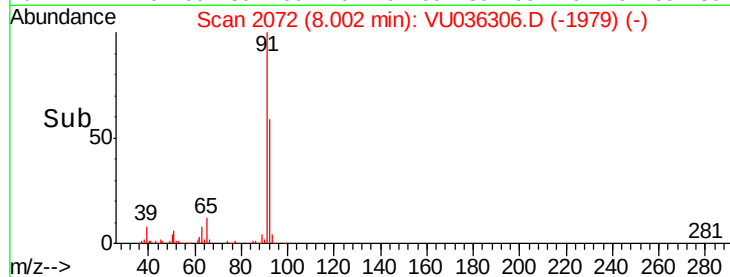
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.244 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036306.D

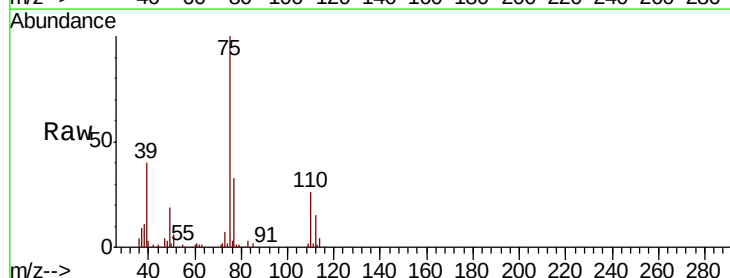
Acq: 20 Dec 2019 09:33

Tgt Ion: 75 Resp: 123065

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU036295.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036295.D (-2128) (-)

8.24

80000

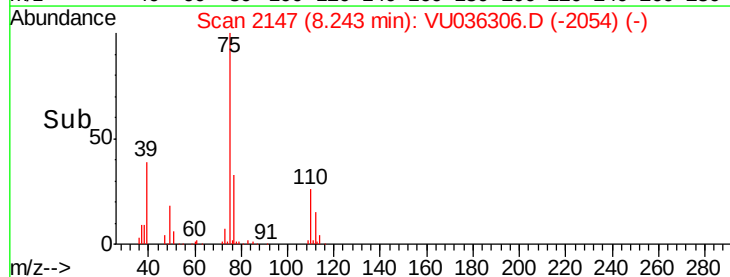
60000

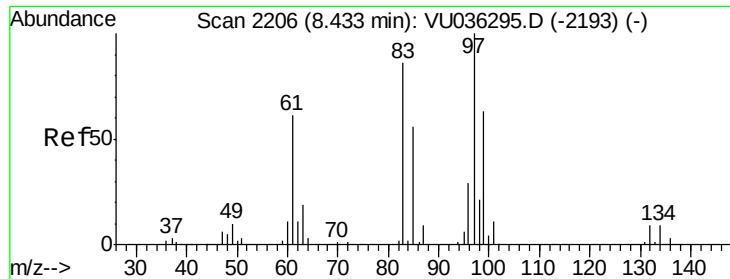
40000

20000

0

Time-->

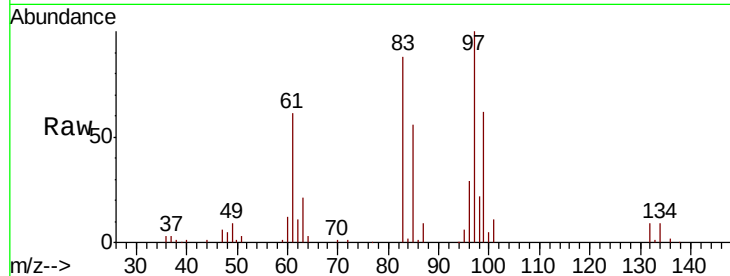




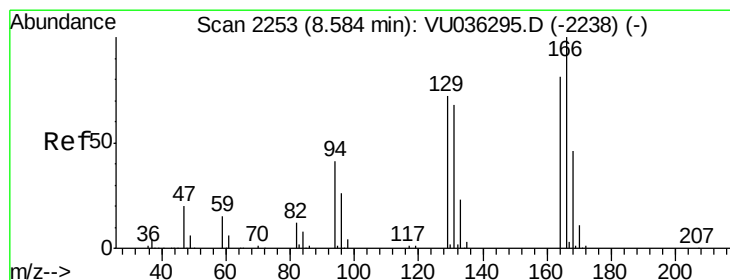
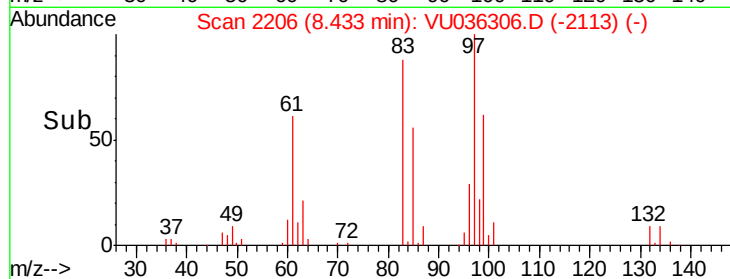
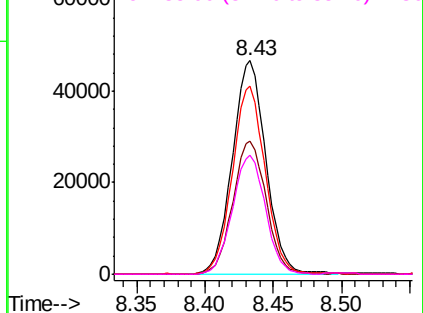
#45
1,1,2-Trichloroethane
Concen: 5.198 ug/L
RT: 8.43 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:	97	Resp:	79855
Ion	Ratio	Lower	Upper
97	100		
99	62.3	46.1	85.5
83	88.0	65.9	122.3
85	55.5	43.1	80.1

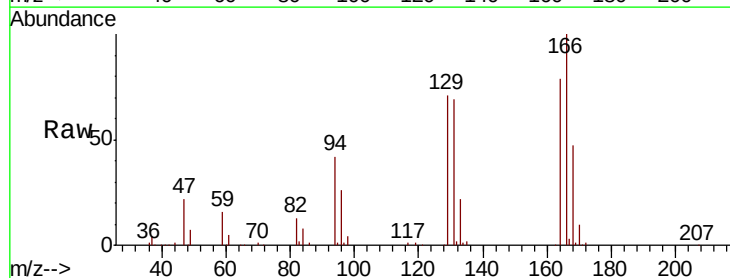


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

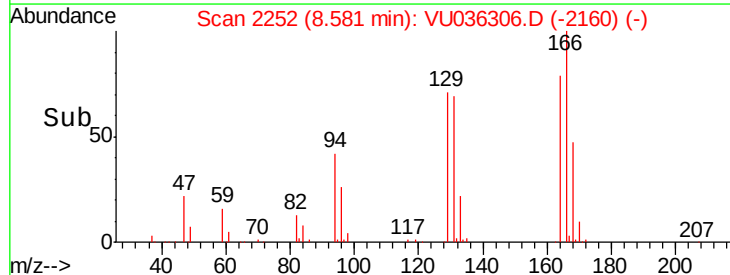
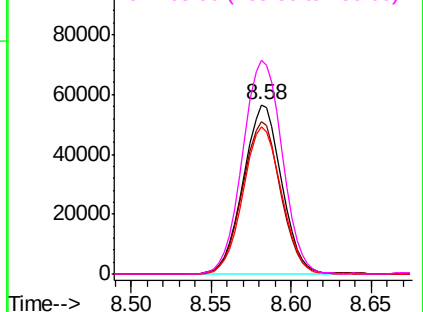


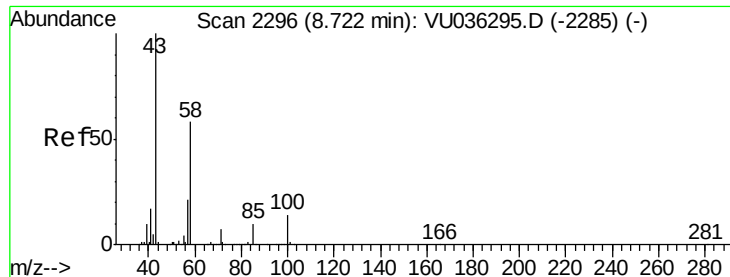
#47
Tetrachloroethene
Concen: 4.946 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion:	164	Resp:	92556
Ion	Ratio	Lower	Upper
164	100		
129	90.1	64.2	119.2
131	87.3	66.6	123.8
166	126.2	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

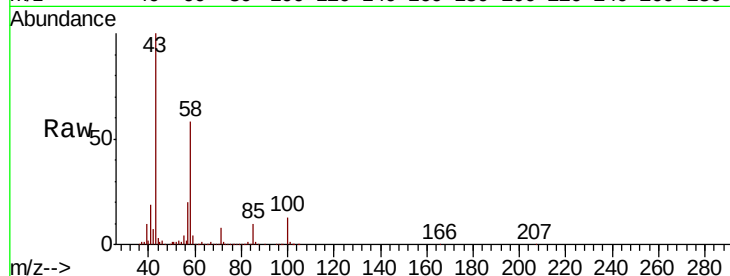




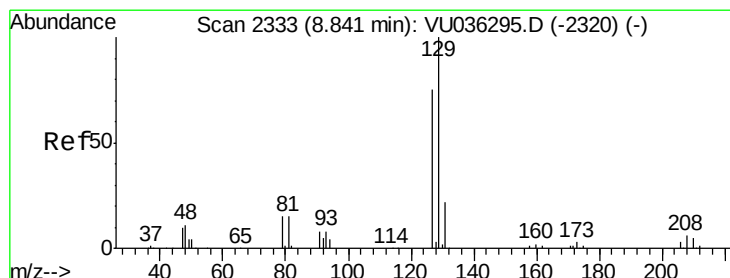
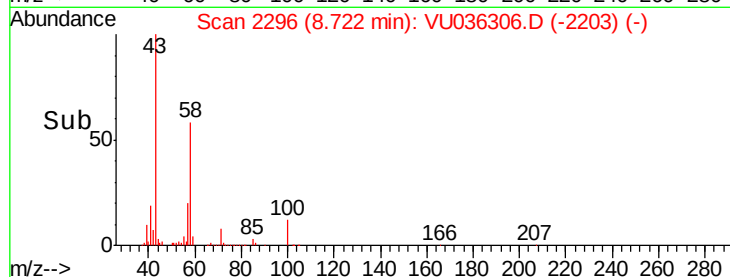
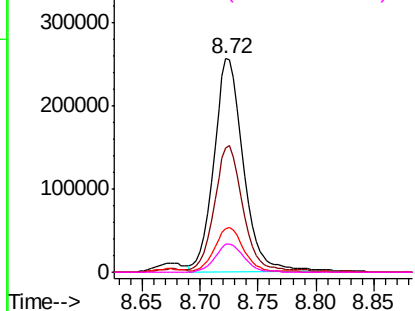
#48
2-Hexanone
Concen: 56.228 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:	43	Resp:	450048
Ion	Ratio	Lower	Upper
43	100		
58	58.1	46.2	69.2
57	20.9	16.2	24.4
100	13.1	10.2	15.4

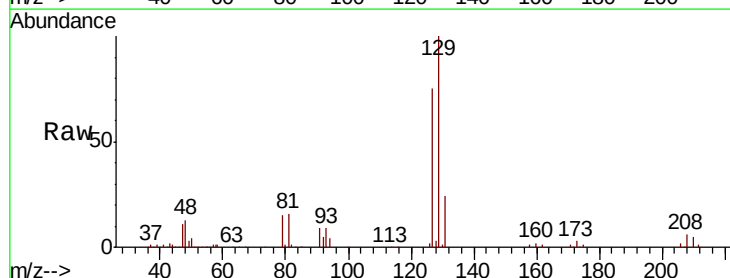


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

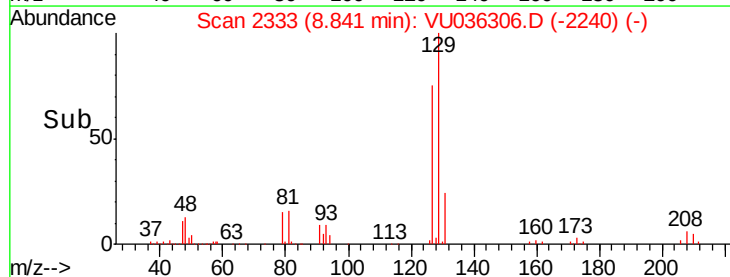
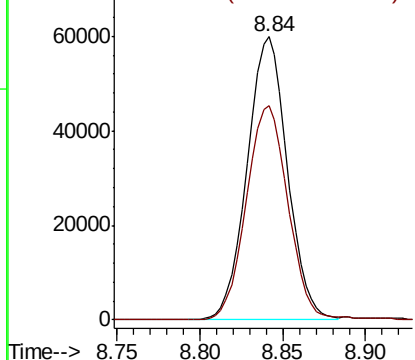


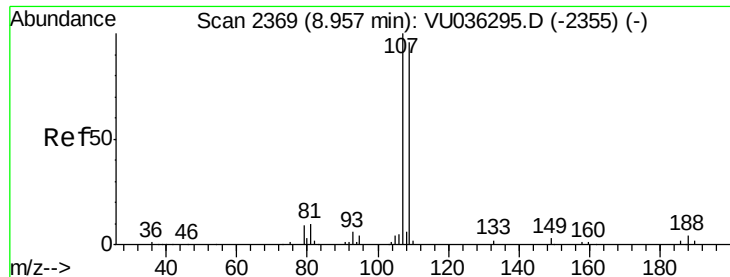
#49
Dibromochloromethane
Concen: 5.315 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion:	129	Resp:	100922
Ion	Ratio	Lower	Upper
129	100		
127	75.5	52.6	97.6



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

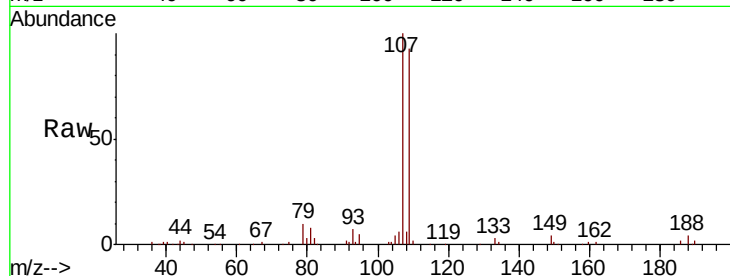




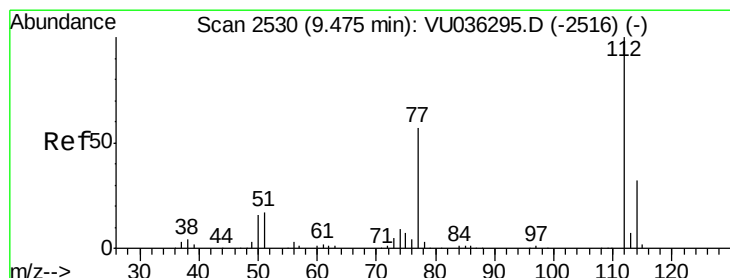
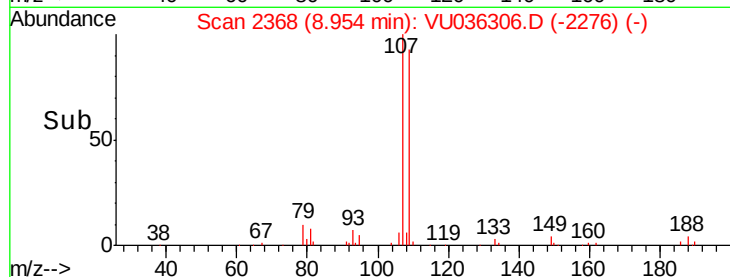
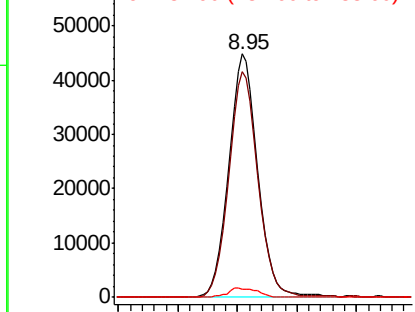
#50
 1,2-Dibromoethane
 Concen: 5.140 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:107 Resp: 75323
 Ion Ratio Lower Upper
 107 100
 109 92.7 67.5 125.4
 188 3.6 3.1 4.7

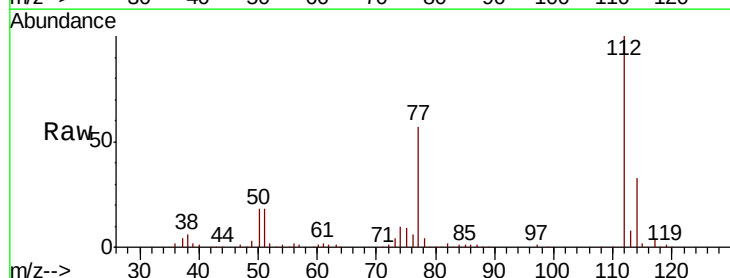


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

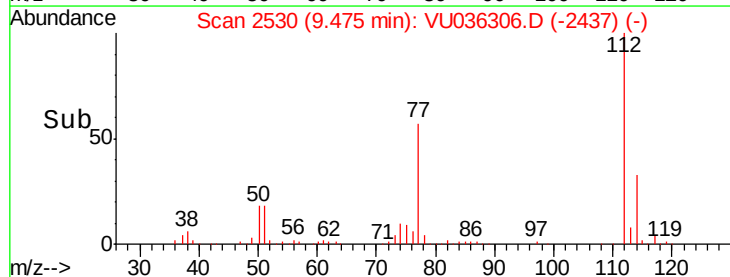
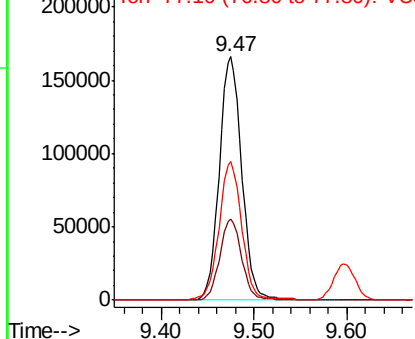


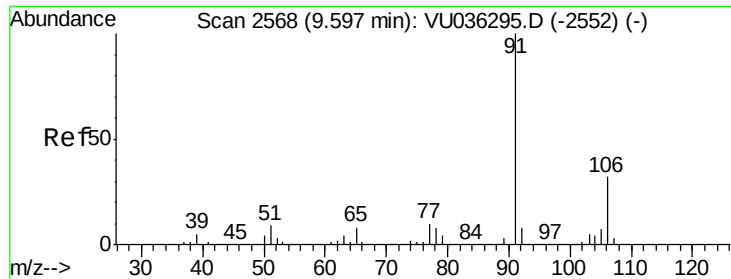
#51
 Chlorobenzene
 Concen: 4.898 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion:112 Resp: 278634
 Ion Ratio Lower Upper
 112 100
 114 33.5 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): VU0

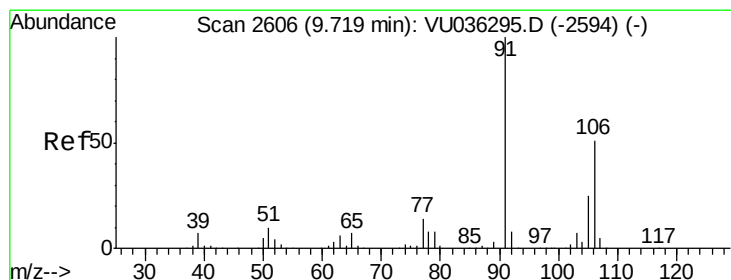
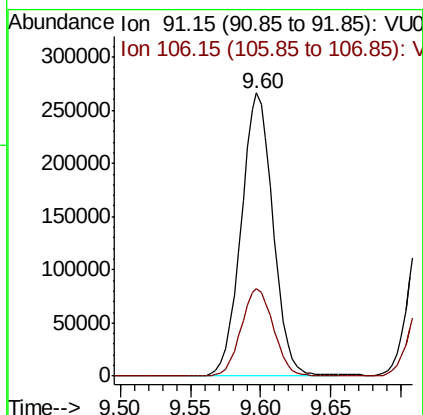
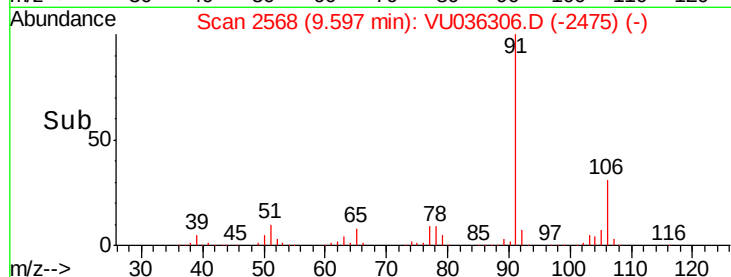
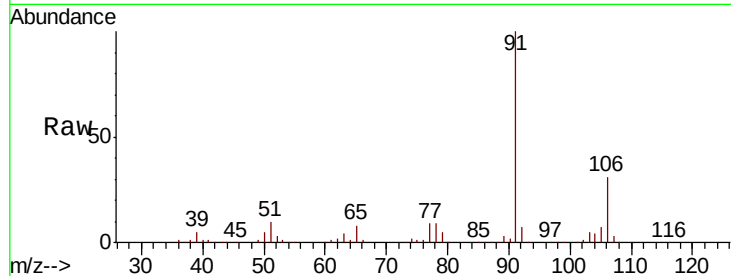




#52
Ethylbenzene
Concen: 4.873 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

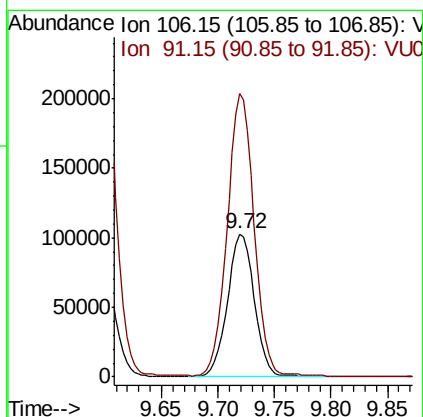
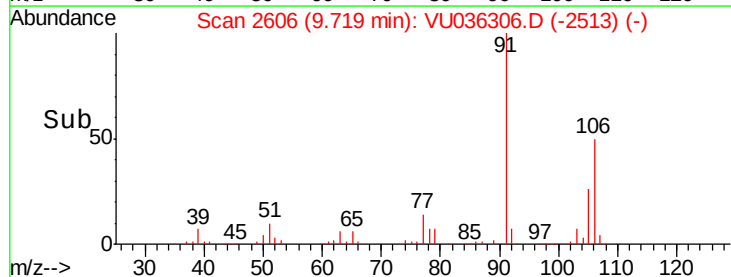
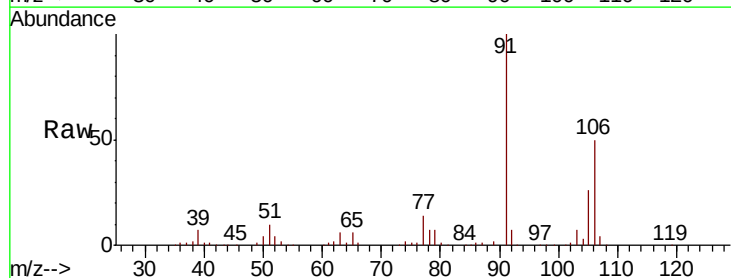
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

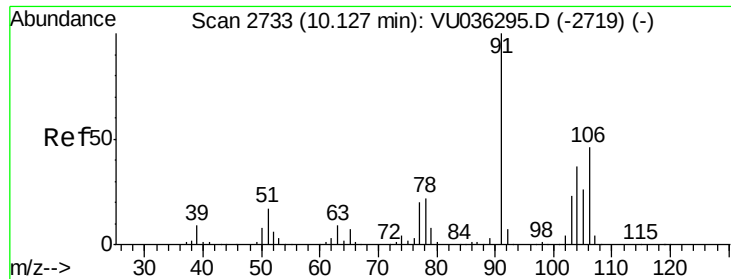
Tot Ion: 91 Resp: 421630
Ion Ratio Lower Upper
91 100
106 31.0 22.0 41.0



#53
m,p-Xylene
Concen: 5.114 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion: 106 Resp: 170481
Ion Ratio Lower Upper
106 100
91 198.4 138.7 257.7

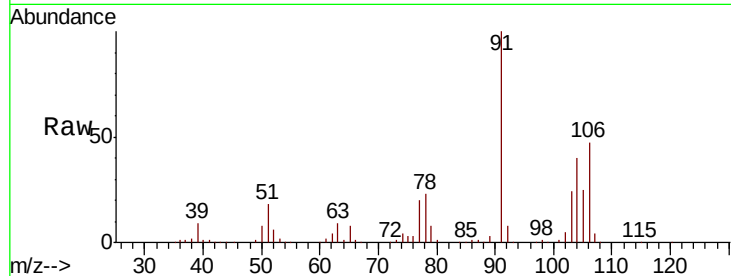




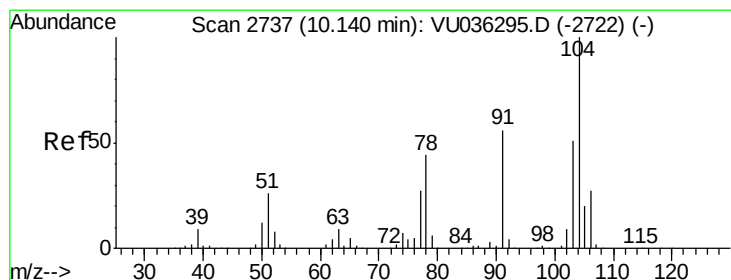
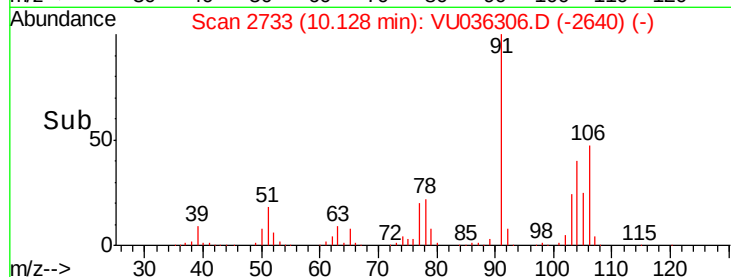
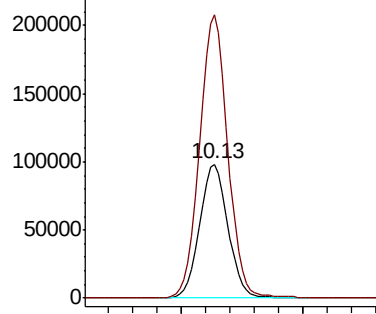
#54
o-Xylene
Concen: 4.957 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 159398
Ion Ratio Lower Upper
106 100
91 211.4 152.8 283.8

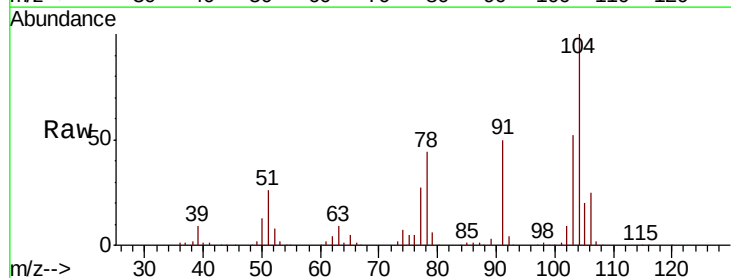


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

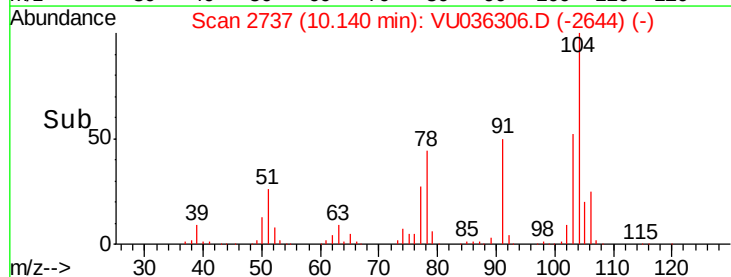
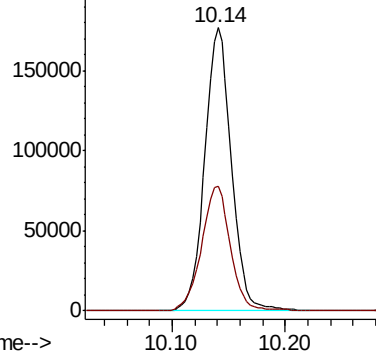


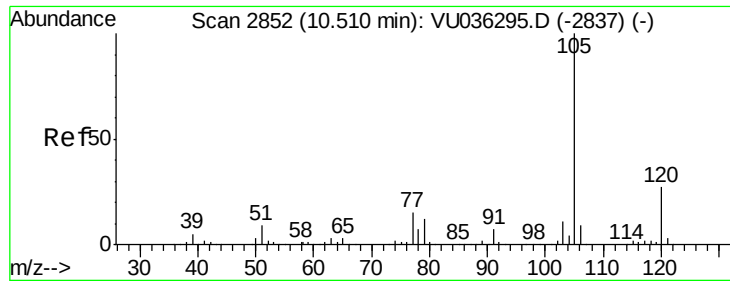
#55
Styrene
Concen: 5.100 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036306.D
Acq: 20 Dec 2019 09:33

Tgt Ion:104 Resp: 290220
Ion Ratio Lower Upper
104 100
78 44.1 32.1 59.5



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.007 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

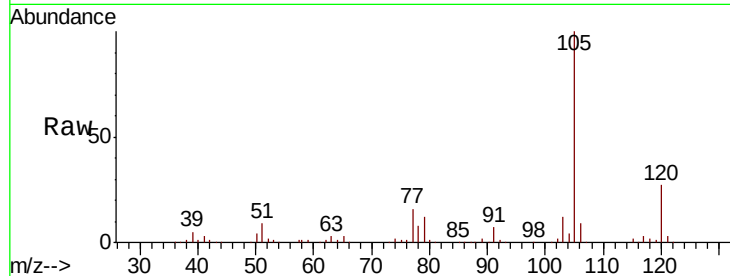
Tot Ion:105 Resp: 413444

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

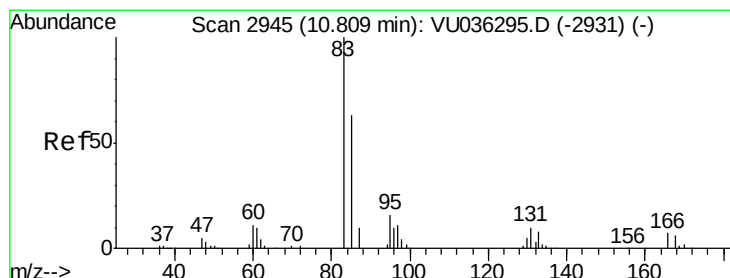
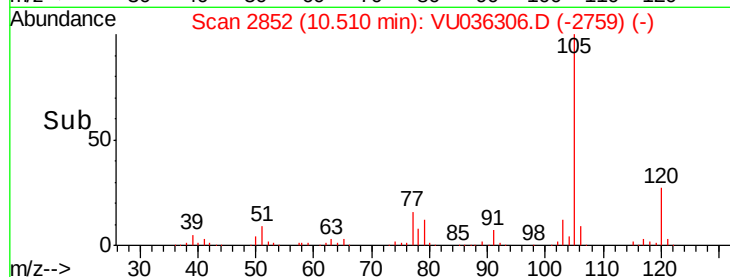
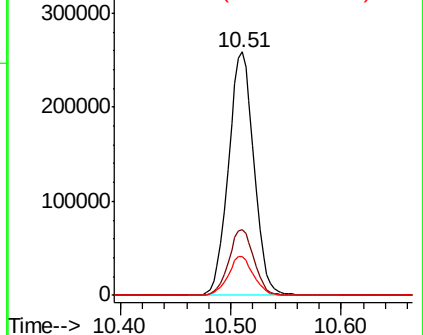
77 15.9 12.5 18.7



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: 5.254 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

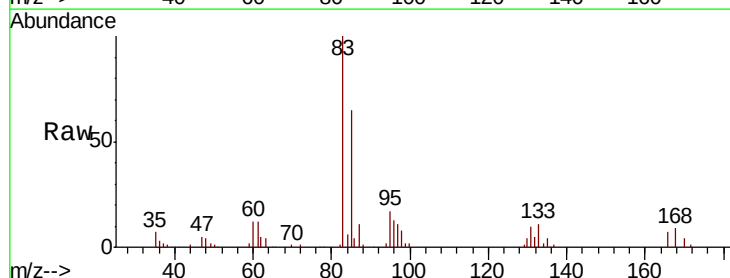
Tgt Ion: 83 Resp: 102763

Ion Ratio Lower Upper

83 100

85 65.2 45.6 84.8

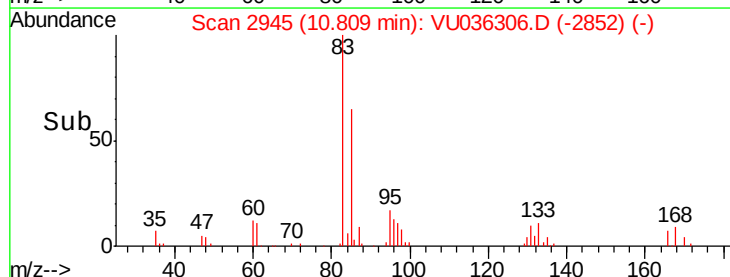
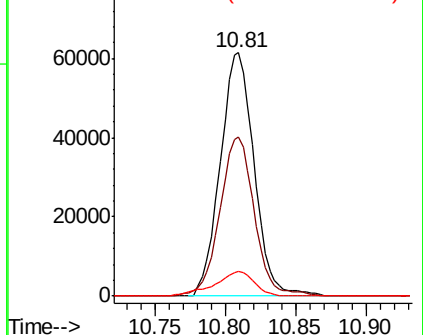
131 9.9 8.5 12.7

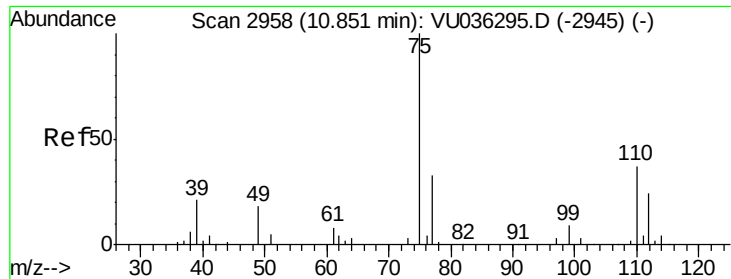


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.491 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

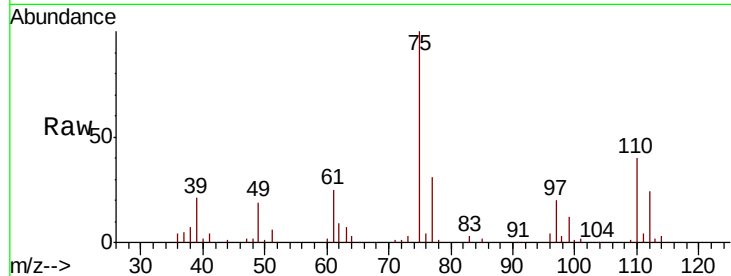
VSTD00524

Tot Ion: 75 Resp: 74831

Ion Ratio Lower Upper

75 100

77 32.5 27.2 40.8

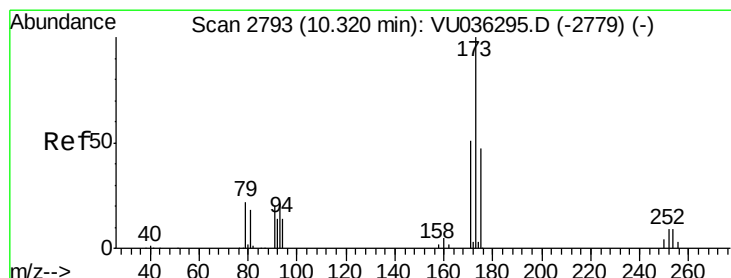
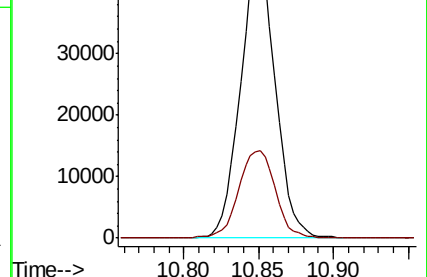
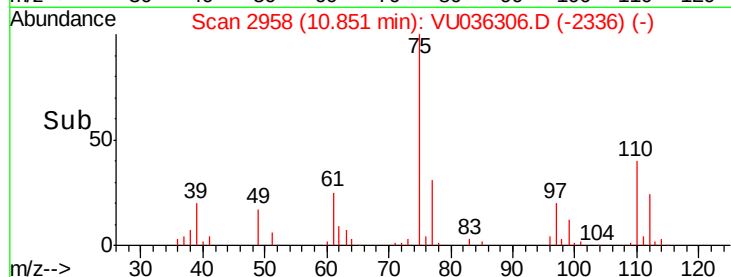


Abundance Ion 75.00 (74.70 to 75.70): VU036295.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036295.D (-2945) (-)

10.85

Time-->



#61

Bromoform

Concen: 4.972 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

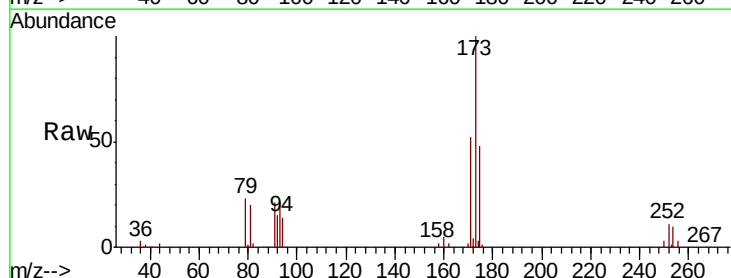
Tgt Ion: 173 Resp: 61859

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

254 10.3 7.8 11.6



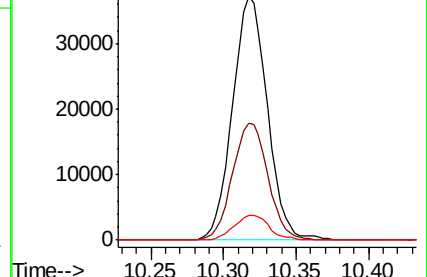
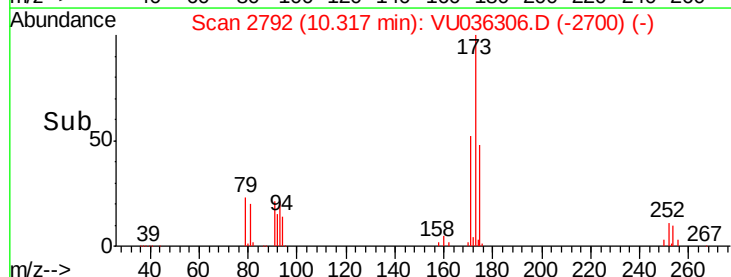
Abundance Ion 172.90 (172.60 to 173.60): VU036295.D (-2779) (-)

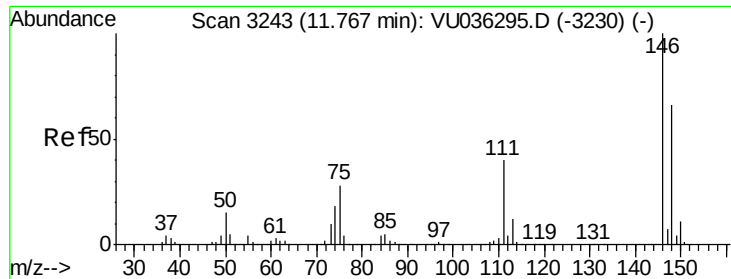
Ion 174.90 (174.60 to 175.60): VU036295.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036295.D (-2779) (-)

10.32

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.027 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

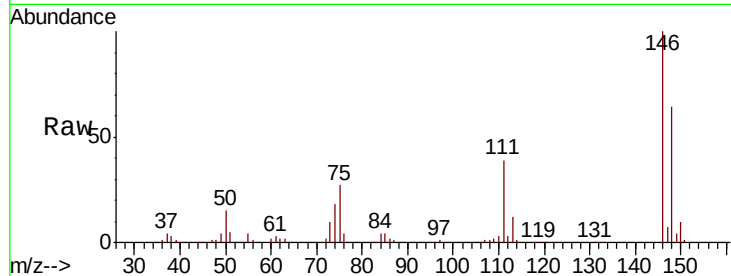
Tot Ion:146 Resp: 243018

Ion Ratio Lower Upper

146 100

111 38.8 26.3 48.9

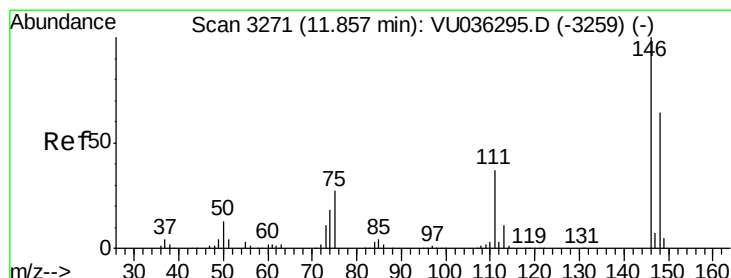
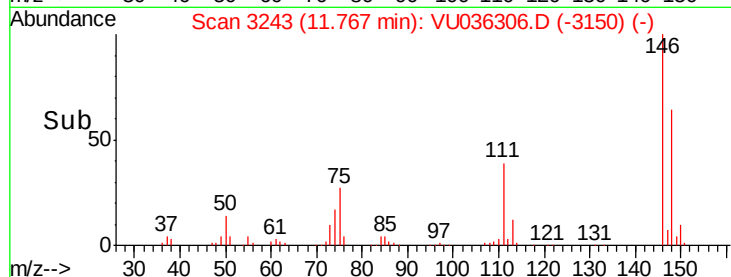
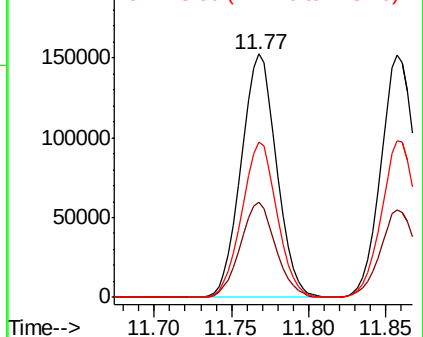
148 63.6 45.1 83.9



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: 5.008 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

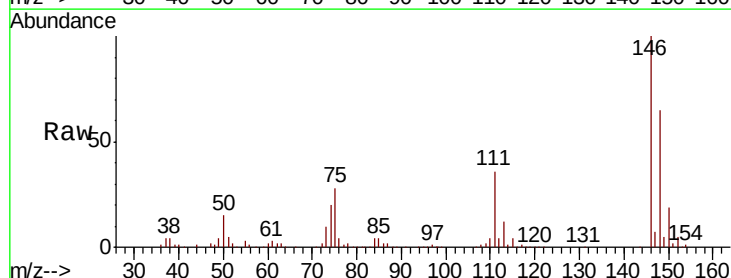
Tgt Ion:146 Resp: 240163

Ion Ratio Lower Upper

146 100

111 36.2 25.8 48.0

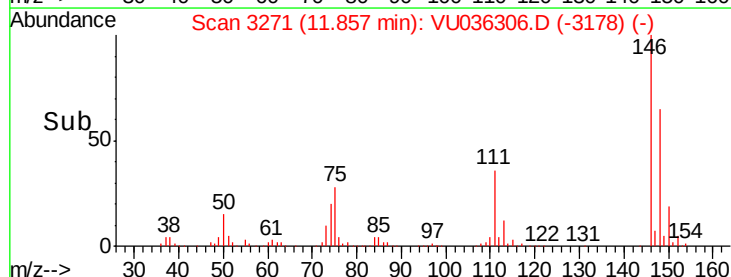
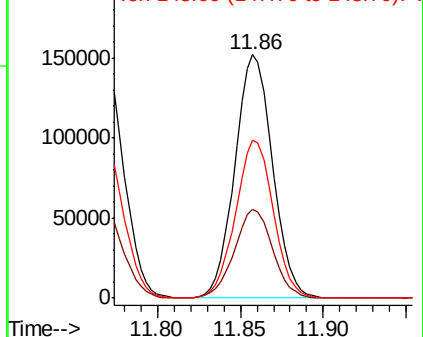
148 64.6 44.7 82.9

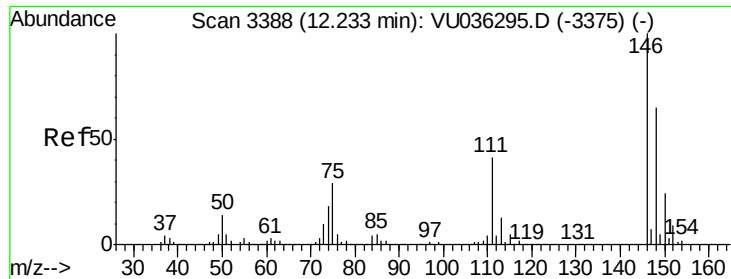


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

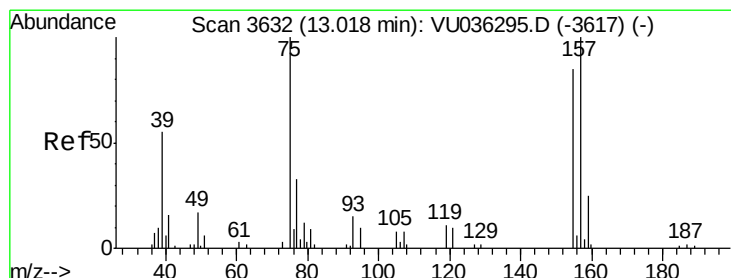
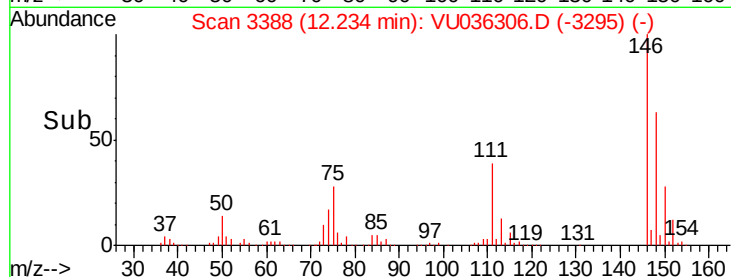
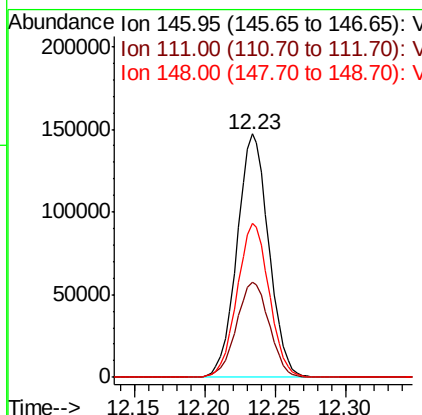
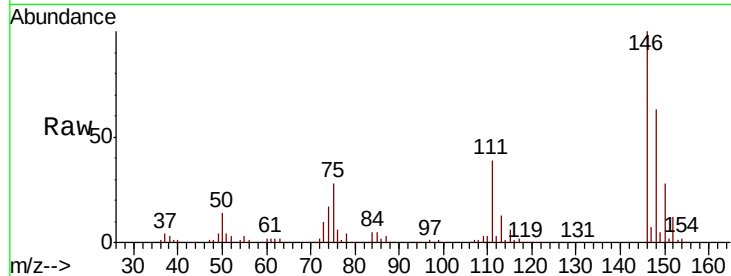




#65
 1,2-Dichlorobenzene
 Concen: 5.037 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

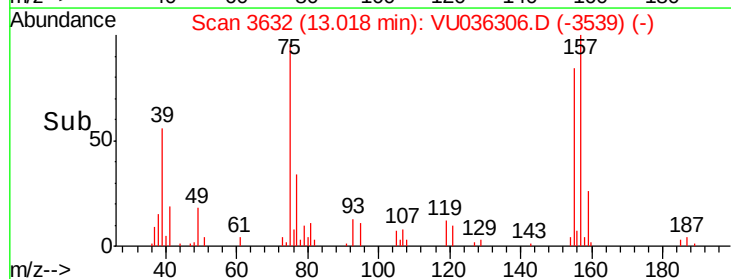
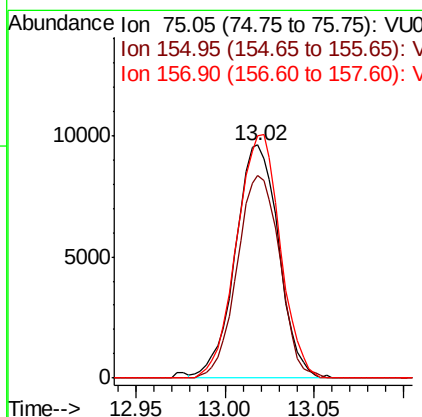
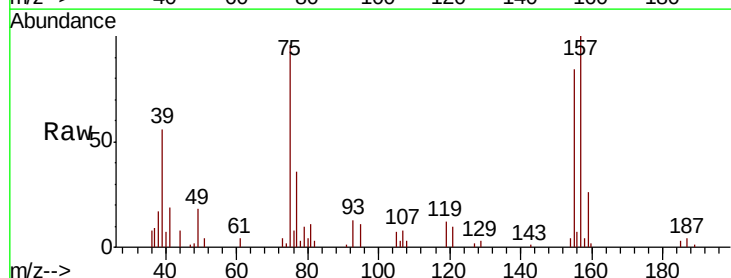
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

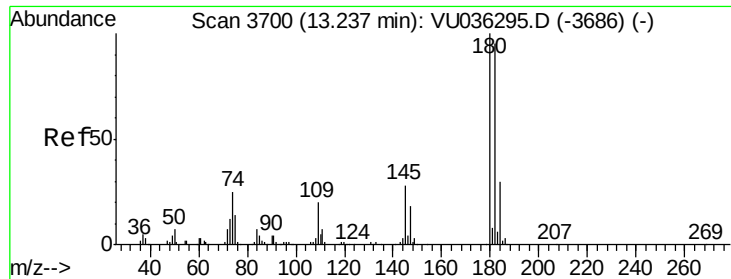
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	32.5	48.7
148	63.3	49.2	73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.320 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	61.9	92.9
157	104.0	84.9	127.3

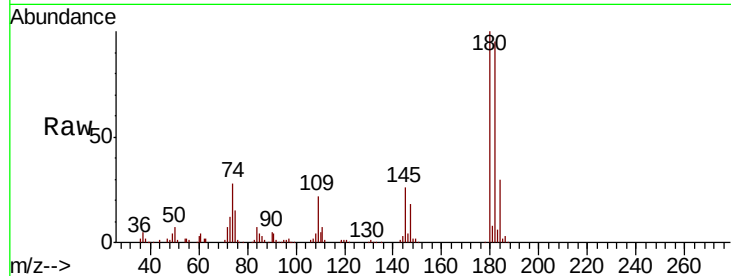




#67
 1,3,5-Trichlorobenzene
 Concen: 5.019 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.9	115.3
184	30.9	24.2	36.4
145	27.2	22.0	33.0



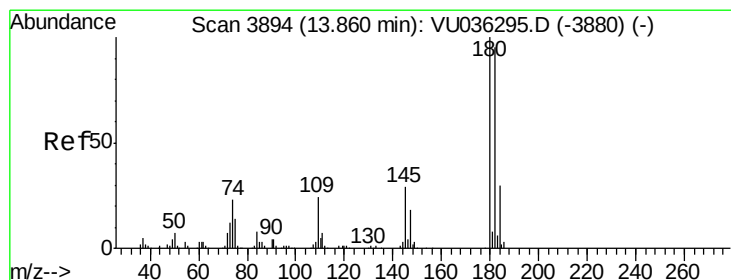
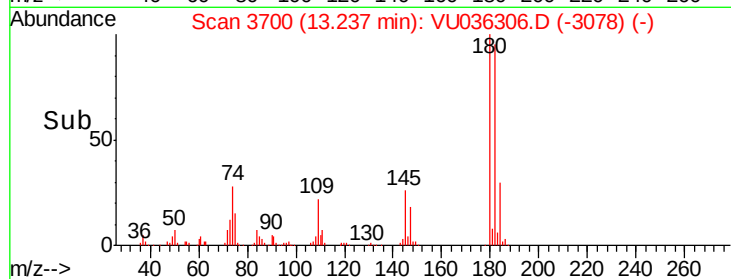
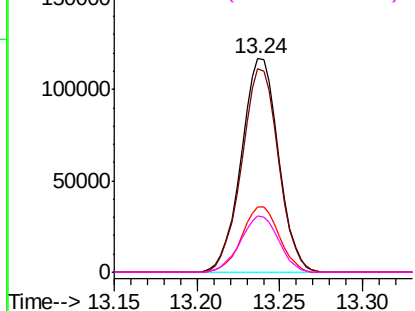
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

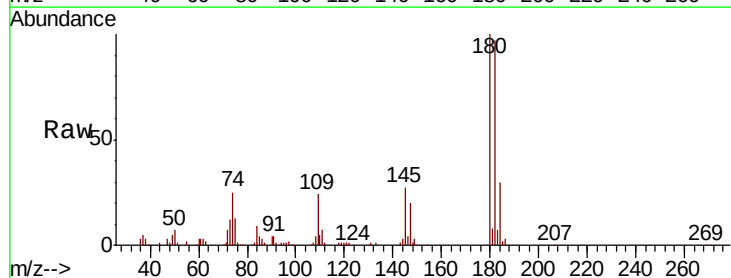
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.282 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036306.D
 Acq: 20 Dec 2019 09:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.3	112.9
145	28.3	22.7	34.1

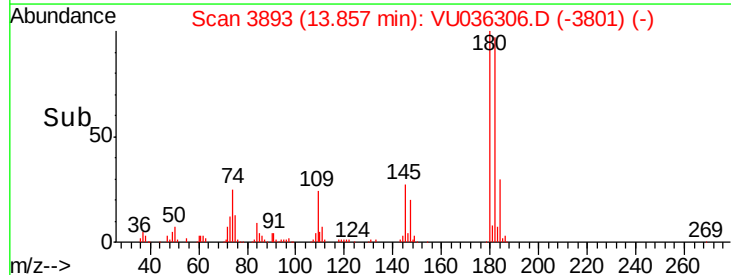
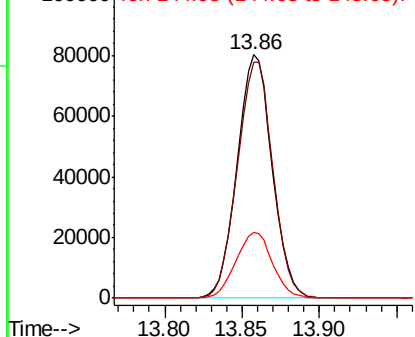


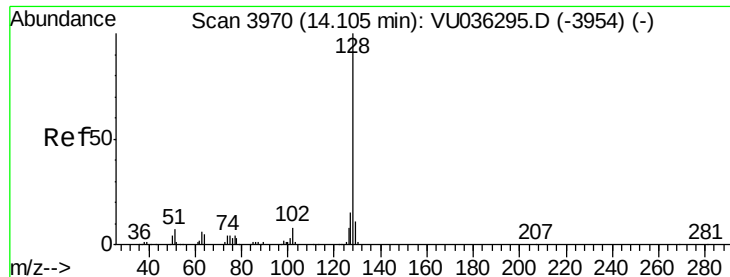
Abundance

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: 5.613 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

Instrument :

MSVOA_U

ClientSampled :

VSTD00524

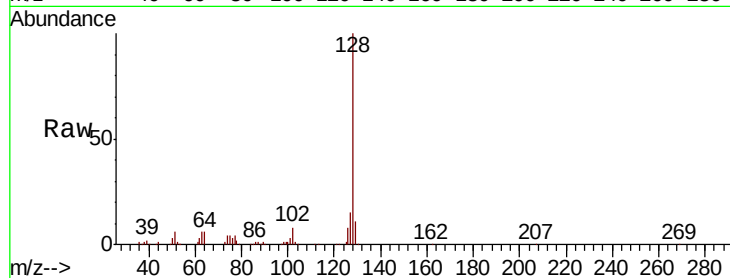
Tot Ion:128 Resp: 169953

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

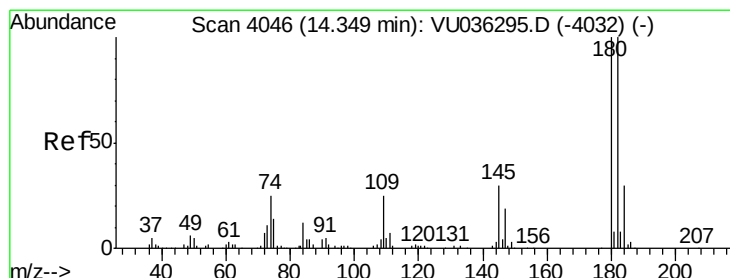
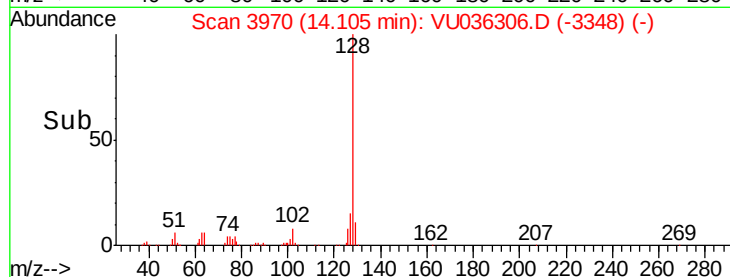
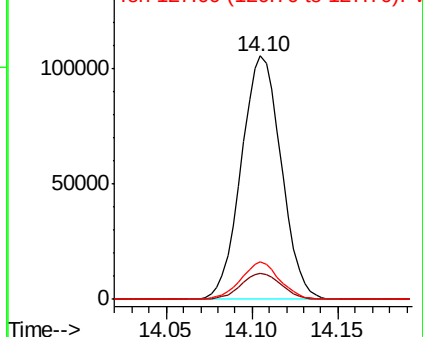
127 14.9 11.5 17.3



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: 5.494 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036306.D

Acq: 20 Dec 2019 09:33

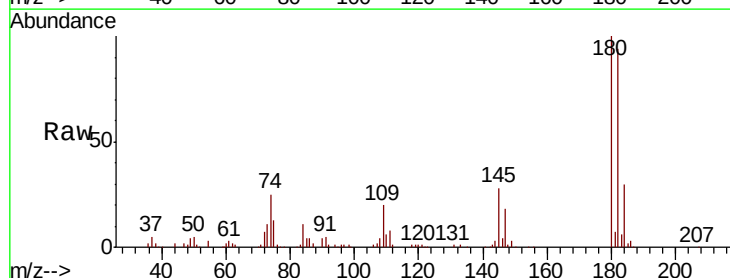
Tgt Ion:180 Resp: 126463

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 28.7 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

