

Data File : VU036224.D
Acq On : 16 Dec 2019 09:55
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Dec 17 01:17:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 16 17:07:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	231822	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	246554	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	132694	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	102484	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	92876	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.60	63	144800	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.40%
20) 2-Butanone-d5	4.69	46	199390	52.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.26%
24) Chloroform-d	5.11	84	173657	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.74	65	87956	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	313991	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.73	67	99421	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.93	98	302153	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	8.21	79	43033	5.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.20%
46) 2-Hexanone-d5	8.67	63	160751	52.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.64%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	92651	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	118562	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	139907	5.407 ug/L	99
3) Chloromethane	1.54	50	160990	4.959 ug/L	100
5) Vinyl chloride	1.62	62	162719	5.282 ug/L	98
6) Bromomethane	1.87	94	91194	5.925 ug/L	90
8) Chloroethane	1.95	64	97713	5.312 ug/L	98
9) Trichlorofluoromethane	2.16	101	209863	5.406 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	103512	5.565 ug/L	98
12) 1,1-Dichloroethene	2.61	96	91031	5.293 ug/L	98
13) Acetone	2.67	43	158617	47.588 ug/L	96
14) Carbon disulfide	2.82	76	304522	5.277 ug/L	98
15) Methyl Acetate	2.99	43	37231	5.529 ug/L	99
16) Methylene chloride	3.08	84	124773	4.935 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	185787	5.041 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	95150	5.283 ug/L	98
19) 1,1-Dichloroethane	3.92	63	179314	5.392 ug/L	99
21) 2-Butanone	4.77	43	224971	50.511 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	100162	5.184 ug/L	99

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Instrument :
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52444	5.610	ug/L	97
25) Chloroform	5.13	83	193083	5.368	ug/L	95
27) 1,2-Dichloroethane	5.84	62	118322	5.546	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	164972	5.435	ug/L	98
30) Cyclohexane	5.43	56	128067	4.959	ug/L	99
31) Carbon tetrachloride	5.56	117	151507	5.474	ug/L	100
33) Benzene	5.82	78	415296	5.481	ug/L	100
34) Trichloroethene	6.58	95	102196	5.231	ug/L	97
35) Methylcyclohexane	6.80	83	140671	5.065	ug/L	97
37) 1,2-Dichloropropane	6.83	63	105908	5.479	ug/L	99
38) Bromodichloromethane	7.14	83	136530	5.427	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	135570	5.147	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	533991	52.810	ug/L	99
42) Toluene	8.00	91	445909	5.490	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	120196	5.433	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	81665	5.638	ug/L	89
47) Tetrachloroethene	8.58	164	92395	5.237	ug/L	96
48) 2-Hexanone	8.72	43	419237	55.556	ug/L	99
49) Dibromochloromethane	8.84	129	99340	5.549	ug/L	98
50) 1,2-Dibromoethane	8.95	107	73941	5.352	ug/L #	98
51) Chlorobenzene	9.47	112	279306	5.208	ug/L	99
52) Ethylbenzene	9.60	91	418270	5.127	ug/L	99
53) m,p-Xylene	9.72	106	167221	5.320	ug/L	99
54) o-Xylene	10.13	106	158351	5.224	ug/L	94
55) Styrene	10.14	104	286423	5.339	ug/L	99
56) Isopropylbenzene	10.51	105	409169	5.256	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.81	83	100201	5.433	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	68738	5.350	ug/L	97
61) Bromoform	10.32	173	60164	5.223	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	233026	5.205	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	230142	5.183	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	217234	5.093	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	14297	5.047	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	157908	4.707	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	98886	4.487	ug/L	99
69) Naphthalene	14.11	128	115168	4.108	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	95807	4.495	ug/L	99

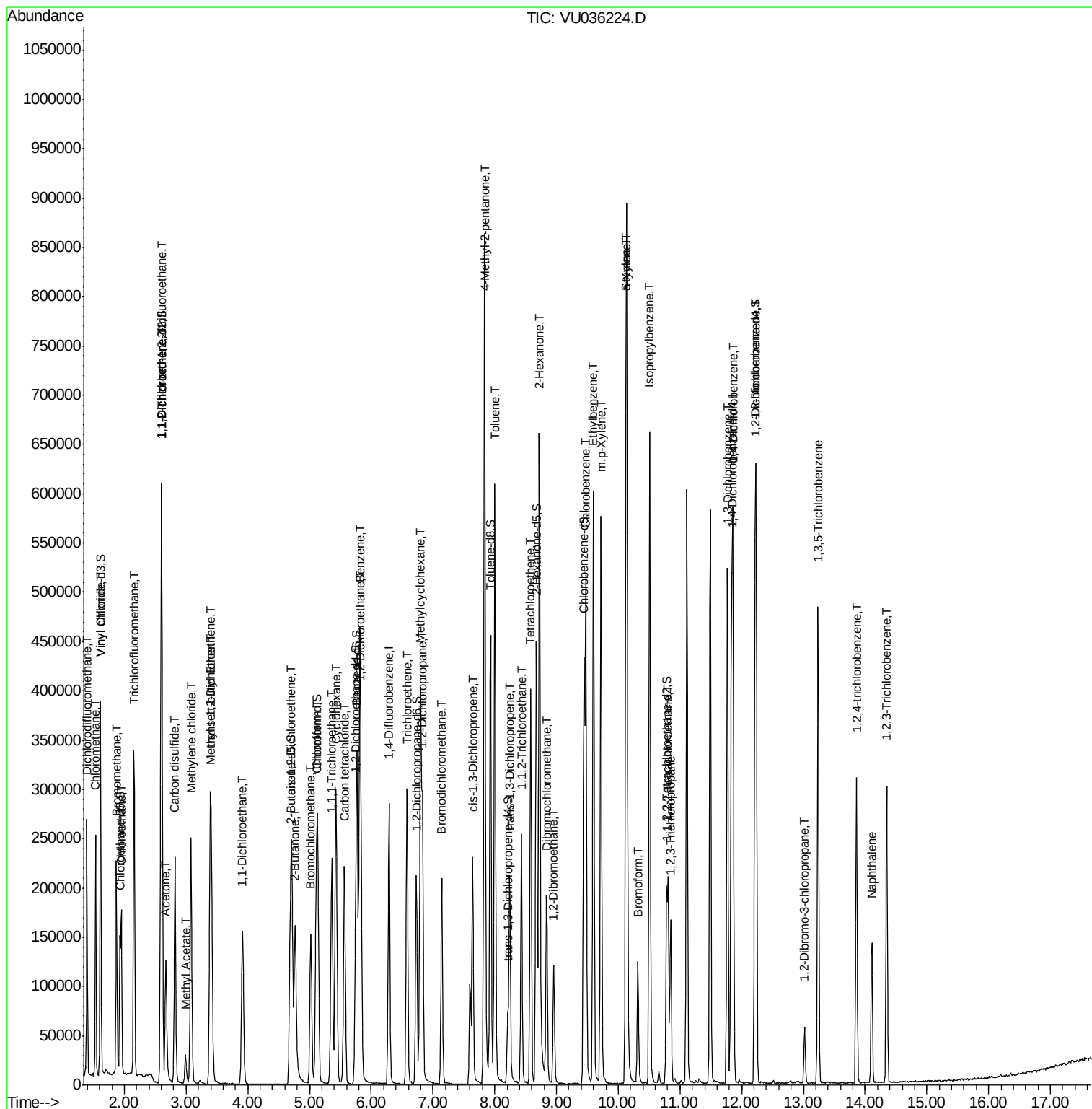
(#) = qualifier out of range (m) = manual integration (+) = signals summed

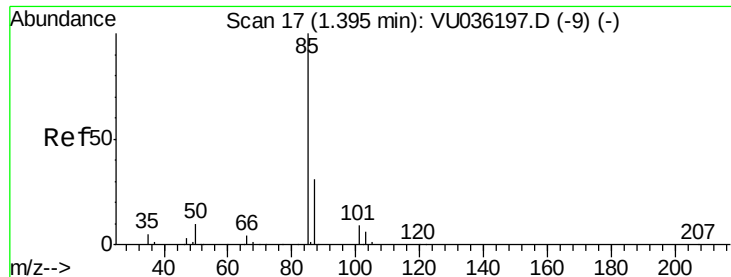
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Acq On       : 16 Dec 2019   09:55
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#2

Dichlorodifluoromethane

Concen: 5.407 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

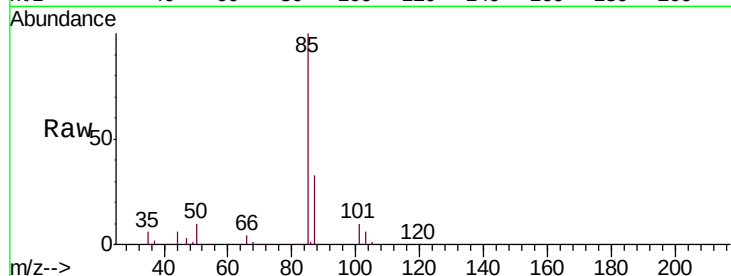
VSTD00515

Tgt Ion: 85 Resp: 139907

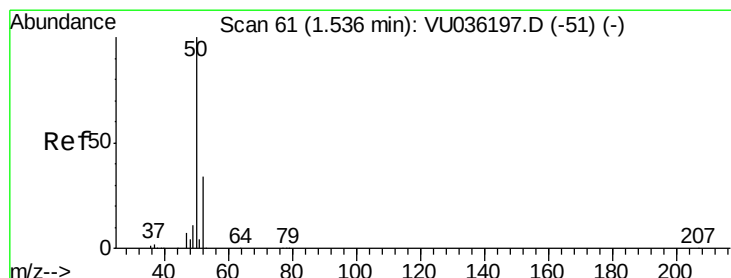
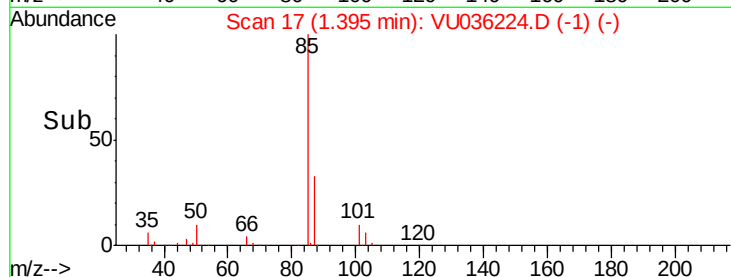
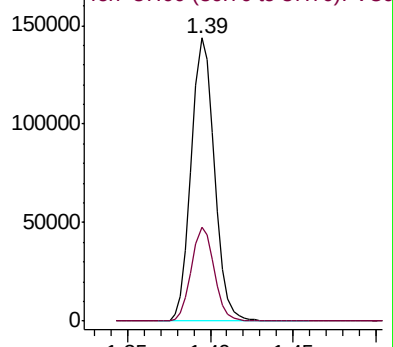
Ion Ratio Lower Upper

85 100

87 32.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VU036197.D (-9) (-)



#3

Chloromethane

Concen: 4.959 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036224.D

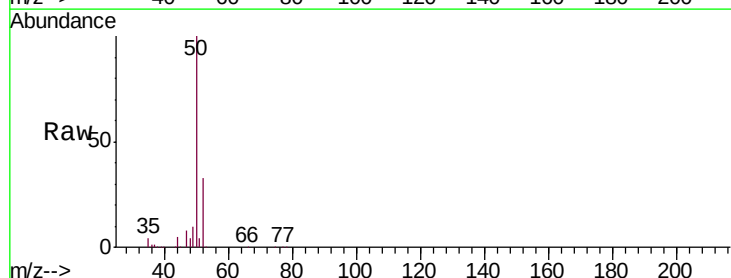
Acq: 16 Dec 2019 09:55

Tgt Ion: 50 Resp: 160990

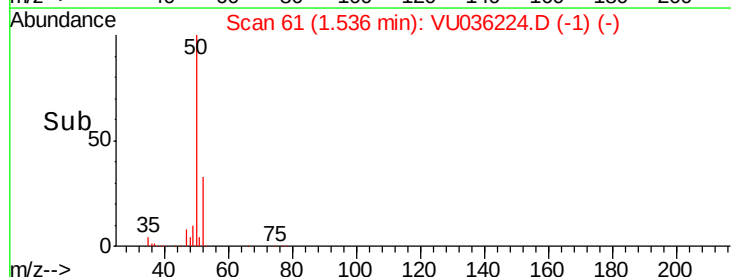
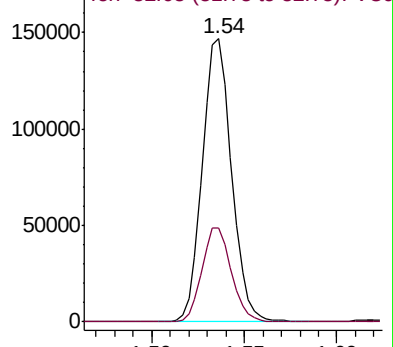
Ion Ratio Lower Upper

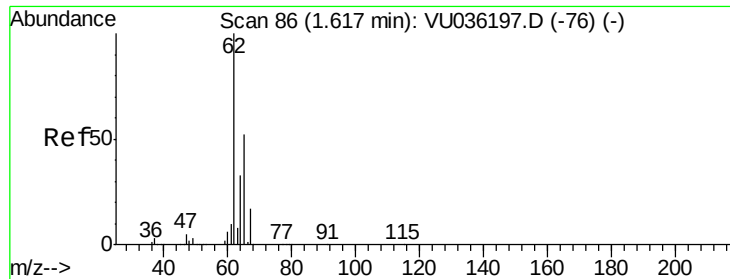
50 100

52 33.2 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU036197.D (-51) (-)





#5

Vinyl chloride

Concen: 5.282 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

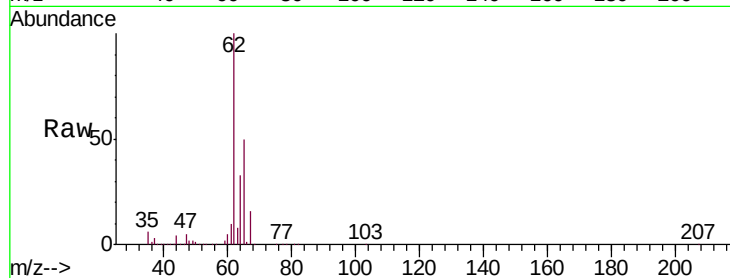
VSTD00515

Tgt Ion: 62 Resp: 162719

Ion Ratio Lower Upper

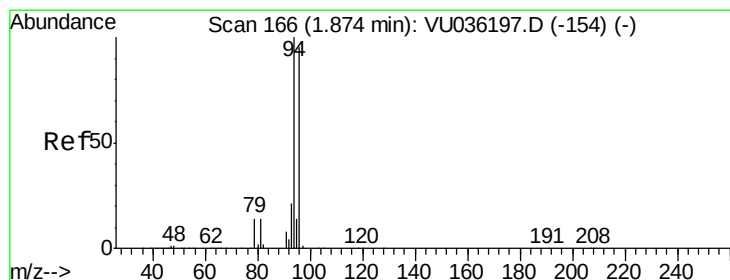
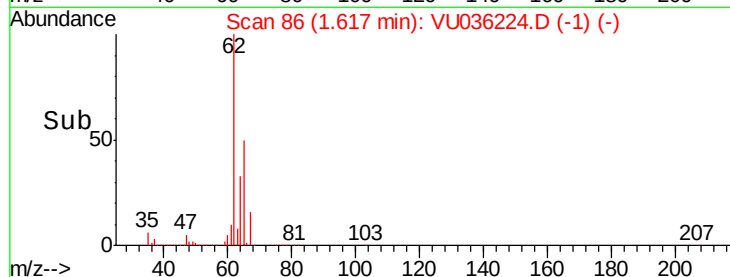
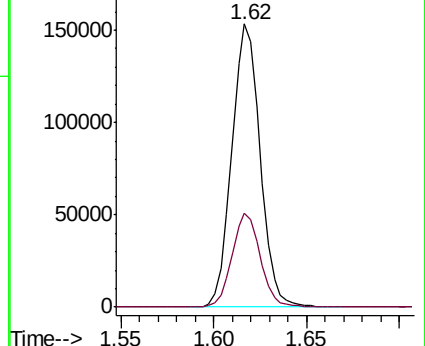
62 100

64 33.4 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036197.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036197.D (-76) (-)



#6

Bromomethane

Concen: 5.925 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036224.D

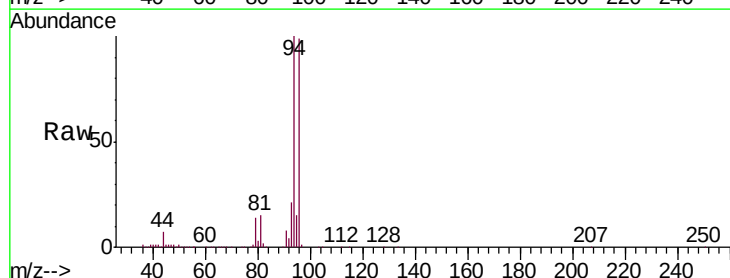
Acq: 16 Dec 2019 09:55

Tgt Ion: 94 Resp: 91194

Ion Ratio Lower Upper

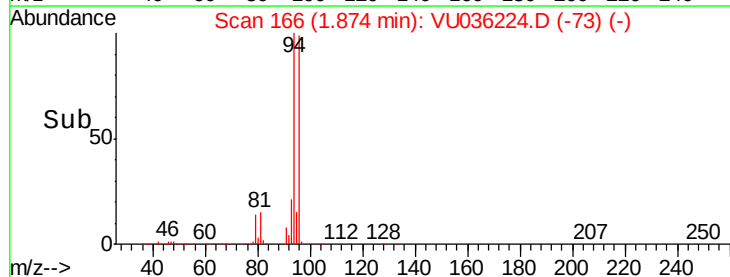
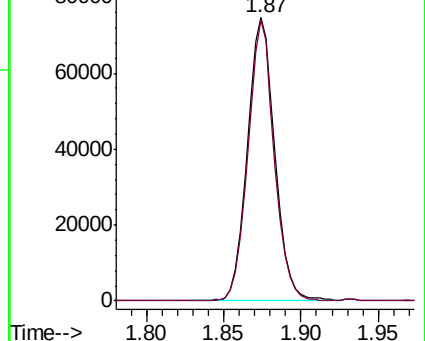
94 100

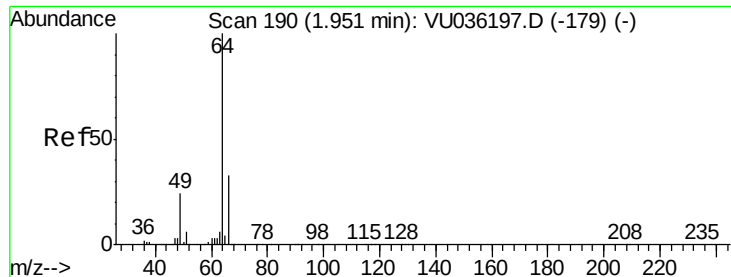
96 99.2 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU036197.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU036197.D (-154) (-)

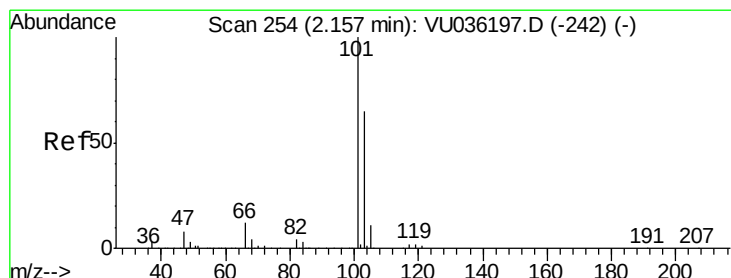
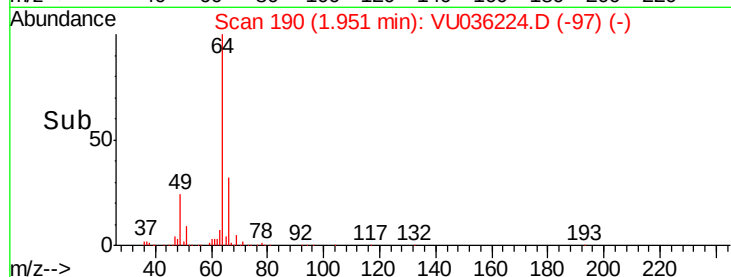
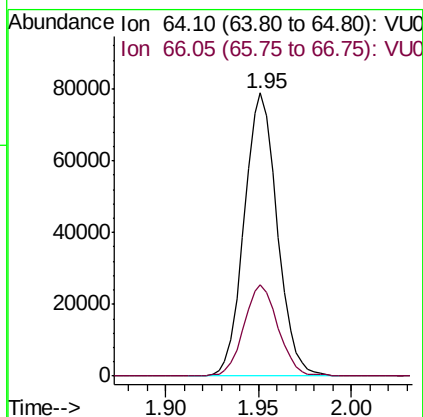
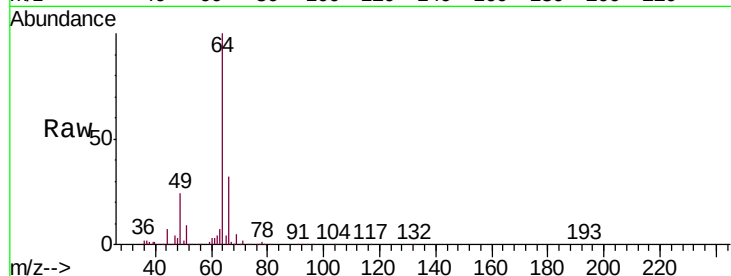




#8
Chloroethane
Concen: 5.312 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

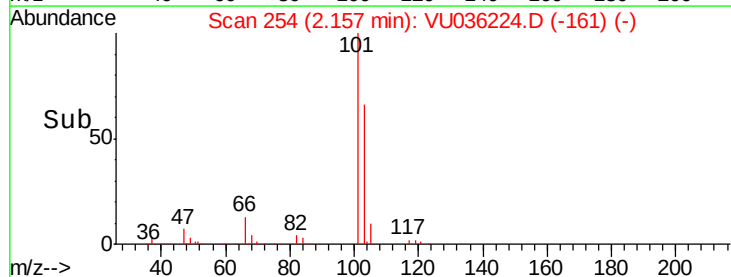
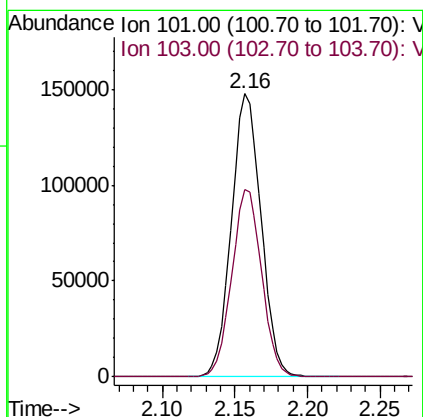
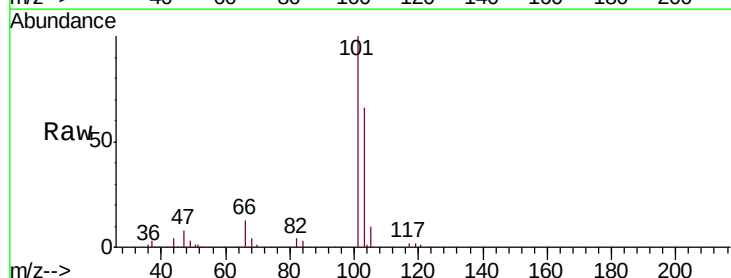
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

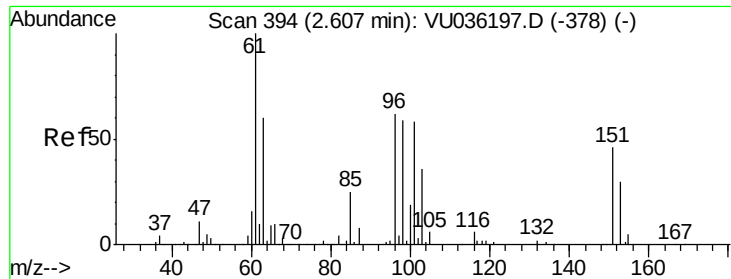
Tgt Ion: 64 Resp: 97713
Ion Ratio Lower Upper
64 100
66 32.1 23.1 42.9



#9
Trichlorofluoromethane
Concen: 5.406 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion: 101 Resp: 209863
Ion Ratio Lower Upper
101 100
103 66.7 50.4 75.6





#10

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

Concen: 5.565 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

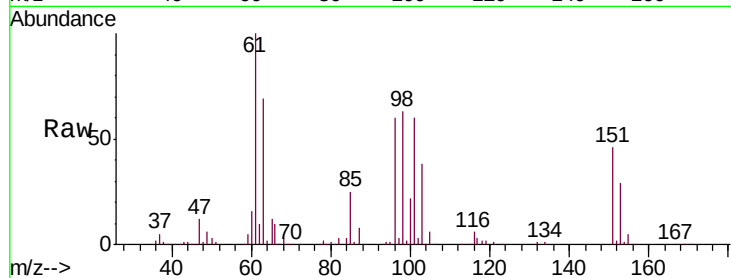
Tgt Ion: 101 Resp: 103512

Ion Ratio Lower Upper

101 100

85 42.3 35.0 52.6

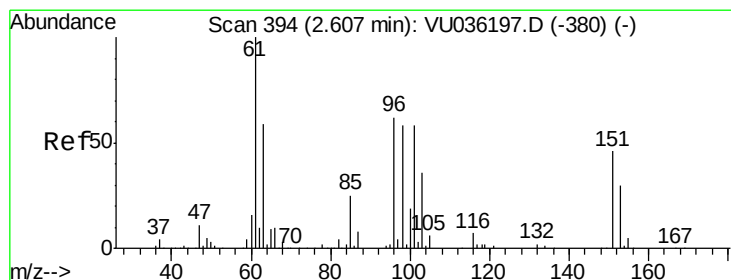
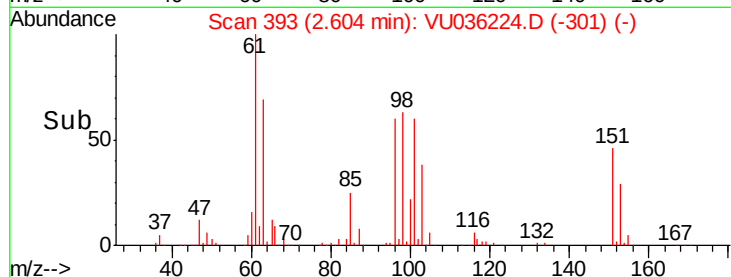
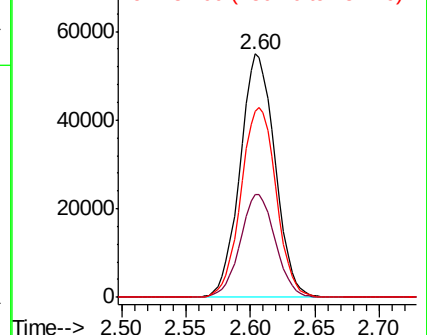
151 78.5 63.9 95.9



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: 5.293 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

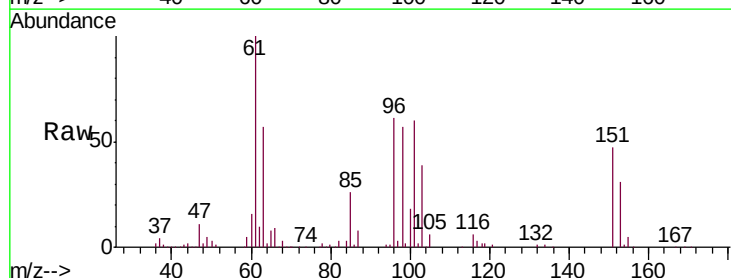
Tgt Ion: 96 Resp: 91031

Ion Ratio Lower Upper

96 100

61 164.5 114.0 211.8

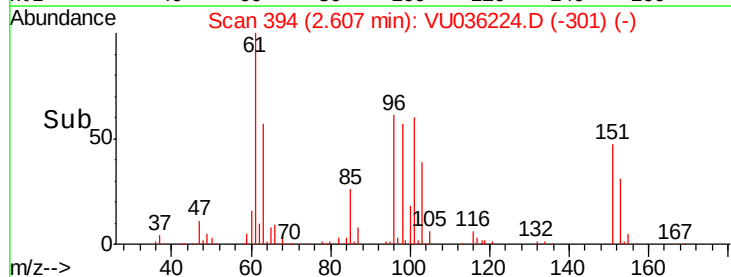
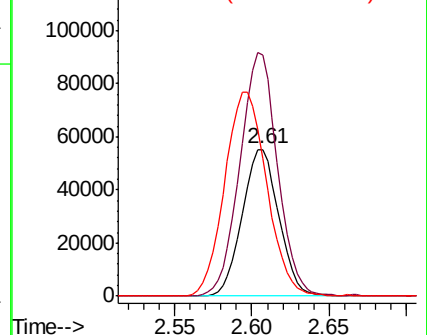
63 93.7 63.6 118.0

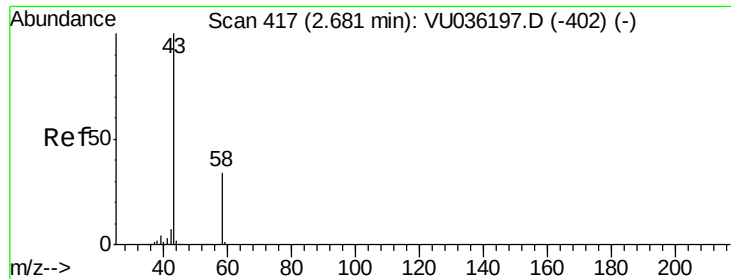


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

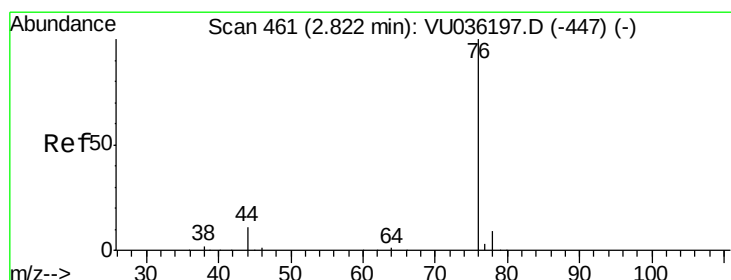
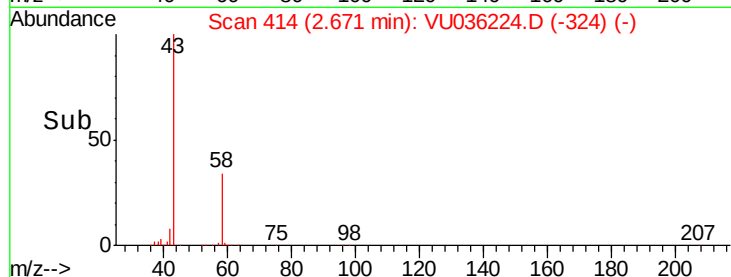
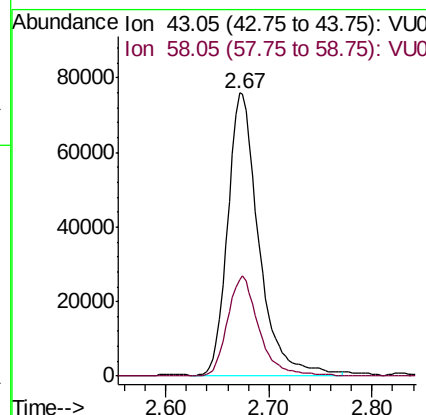
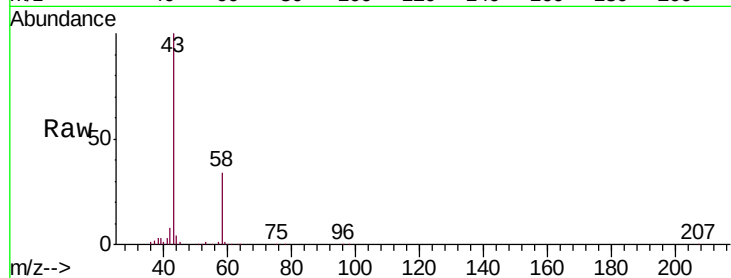




#13
Acetone
Concen: 47.588 ug/L
RT: 2.67 min Scan# 414
Delta R.T. -0.01 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

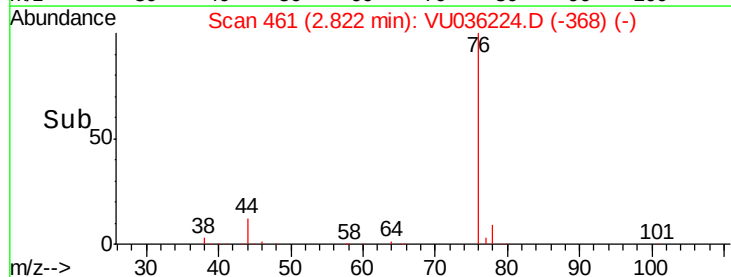
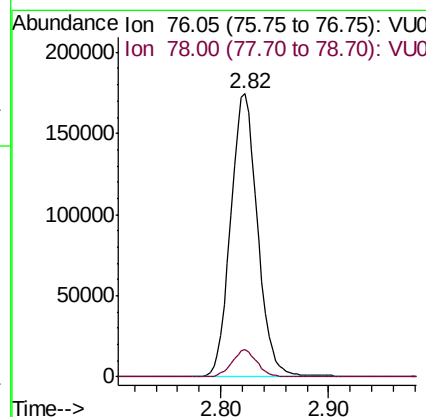
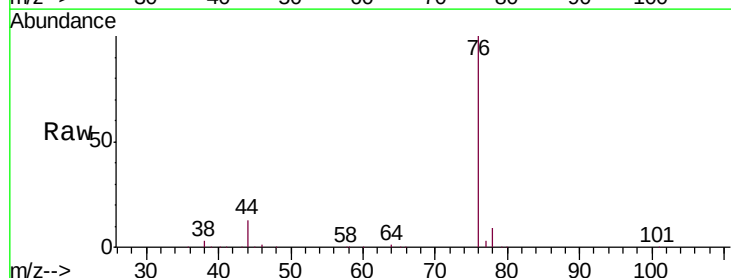
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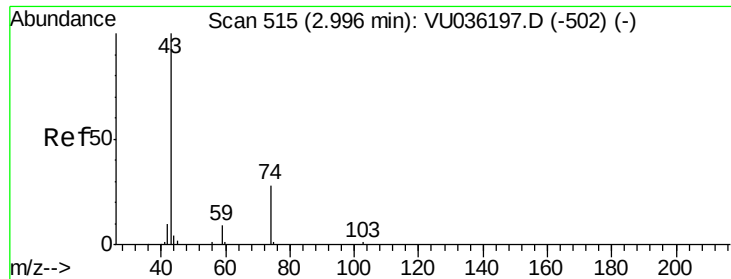
Tgt Ion: 43 Resp: 158617
Ion Ratio Lower Upper
43 100
58 36.3 0.0 67.6



#14
Carbon disulfide
Concen: 5.277 ug/L
RT: 2.82 min Scan# 461
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion: 76 Resp: 304522
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

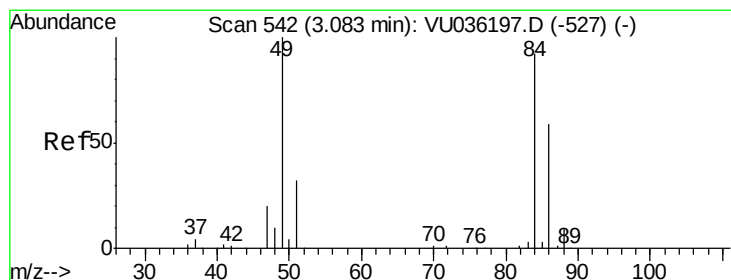
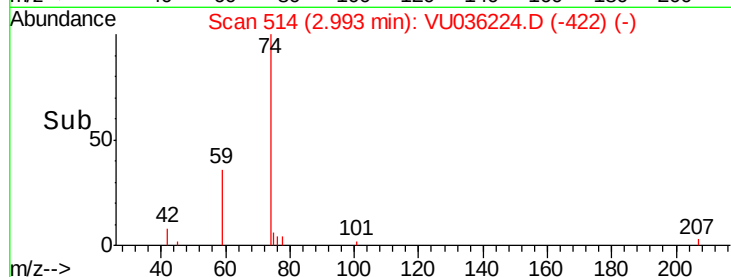
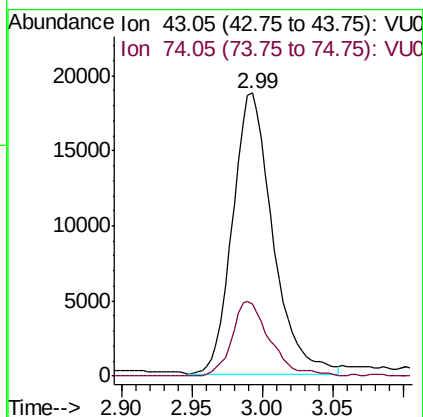
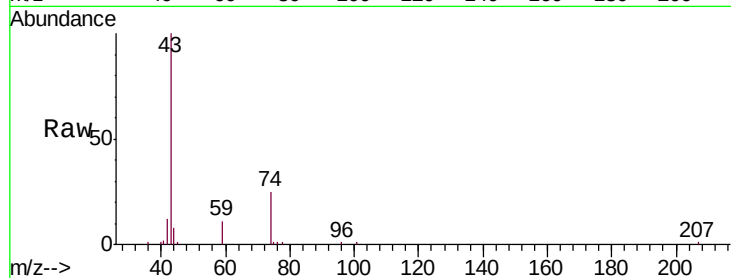




#15
Methyl Acetate
Concen: 5.529 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

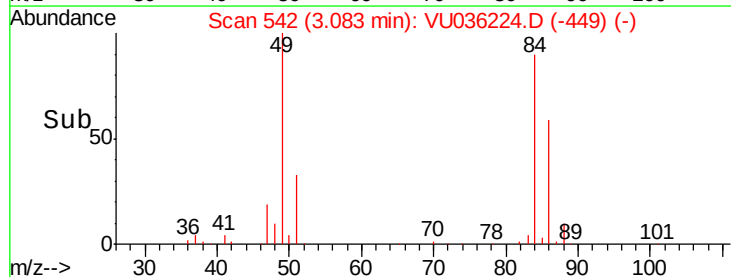
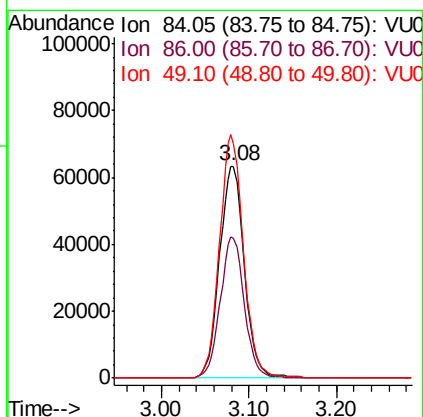
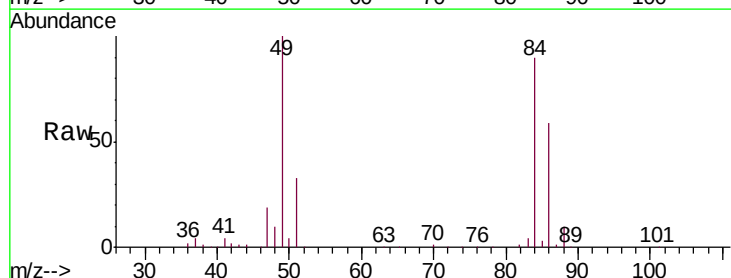
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

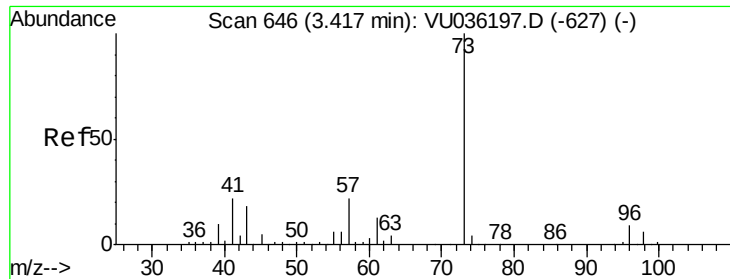
Tgt Ion: 43 Resp: 37231
Ion Ratio Lower Upper
43 100
74 25.3 20.8 31.2



#16
Methylene chloride
Concen: 4.935 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion: 84 Resp: 124773
Ion Ratio Lower Upper
84 100
86 65.8 43.0 79.8
49 110.9 77.3 143.5





#17

Methyl tert-butyl Ether

Concen: 5.041 ug/L

RT: 3.41 min Scan# 645

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampled :

VSTD00515

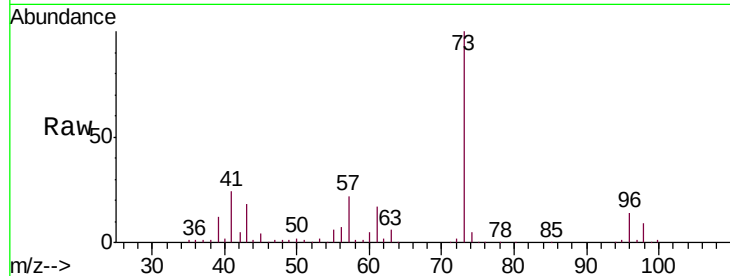
Tgt Ion: 73 Resp: 185787

Ion Ratio Lower Upper

73 100

43 19.7 15.3 22.9

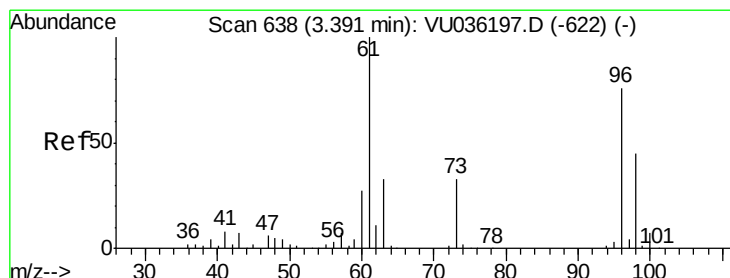
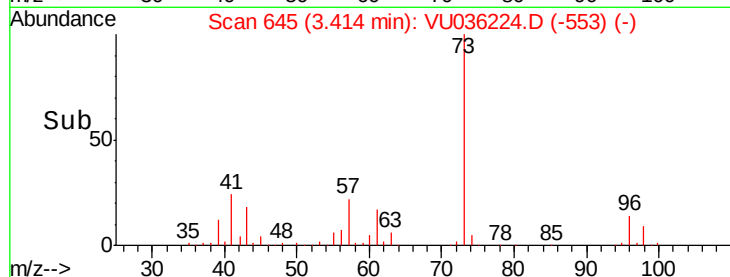
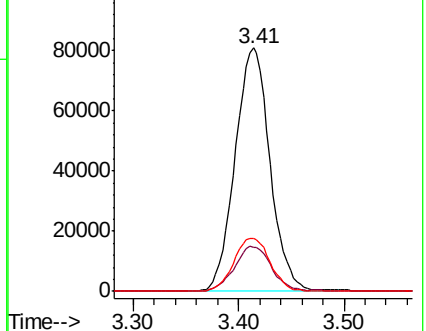
57 22.6 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU036197.D (-627) (-)

Ion 43.05 (42.75 to 43.75): VU036197.D (-627) (-)

Ion 57.10 (56.80 to 57.80): VU036197.D (-627) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.283 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

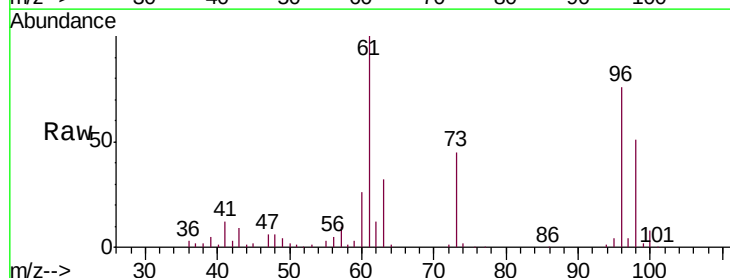
Tgt Ion: 96 Resp: 95150

Ion Ratio Lower Upper

96 100

61 132.2 94.8 176.2

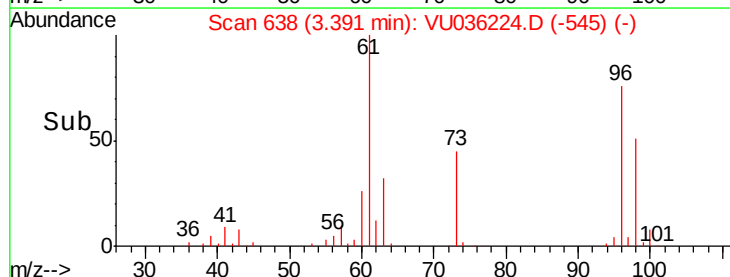
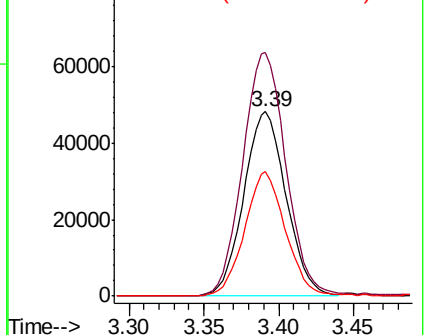
98 67.5 46.8 86.8

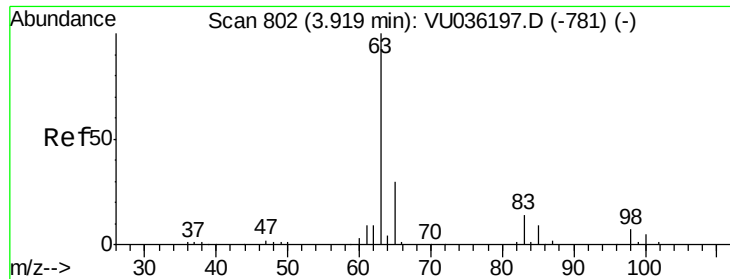


Abundance Ion 96.00 (95.70 to 96.70): VU036197.D (-622) (-)

Ion 61.05 (60.75 to 61.75): VU036197.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU036197.D (-622) (-)

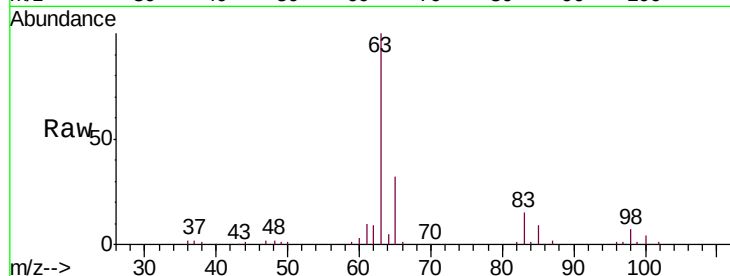




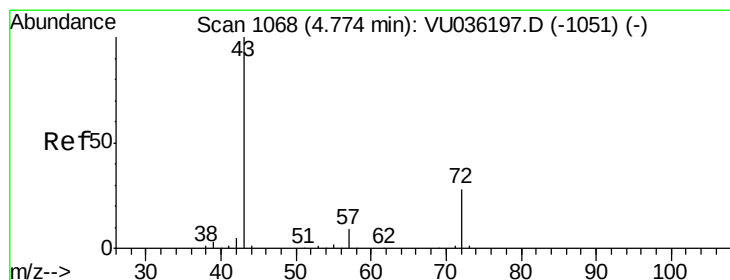
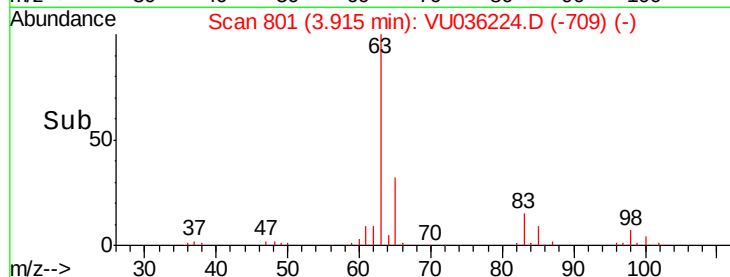
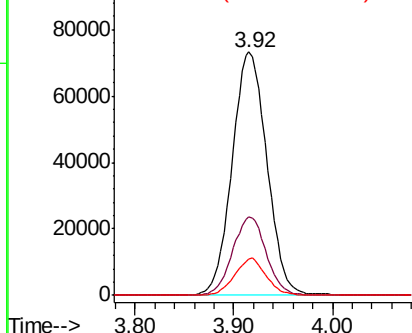
#19
 1,1-Dichloroethane
 Concen: 5.392 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 63 Resp: 179314
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.6 42.0
 83 14.9 9.7 18.1

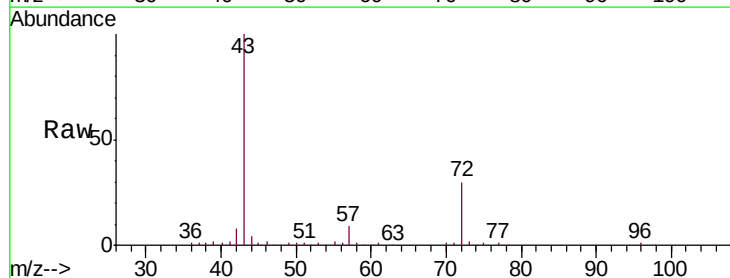


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

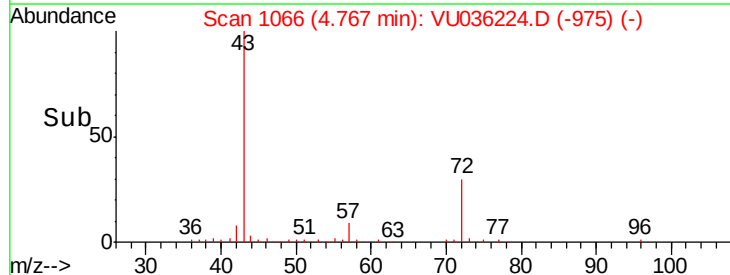
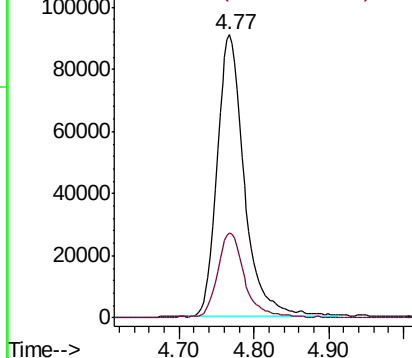


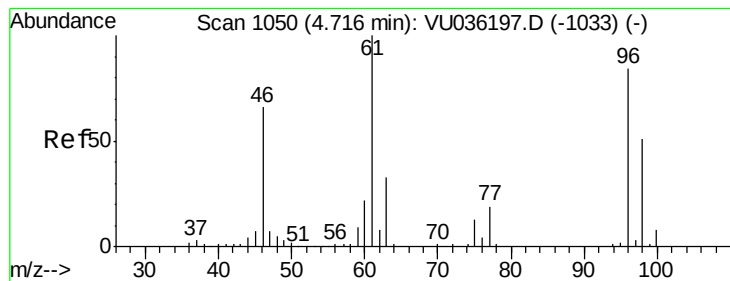
#21
 2-Butanone
 Concen: 50.511 ug/L
 RT: 4.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 43 Resp: 224971
 Ion Ratio Lower Upper
 43 100
 72 29.6 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: 5.184 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

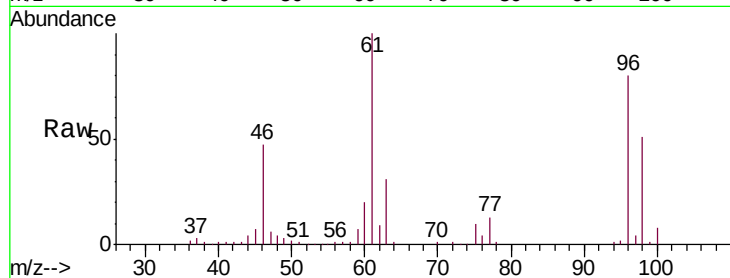
Tgt Ion: 96 Resp: 100162

Ion Ratio Lower Upper

96 100

61 125.2 86.7 161.1

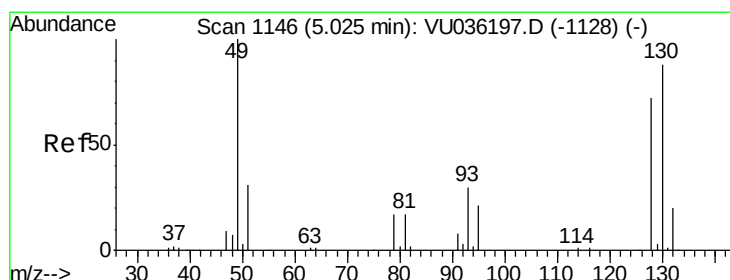
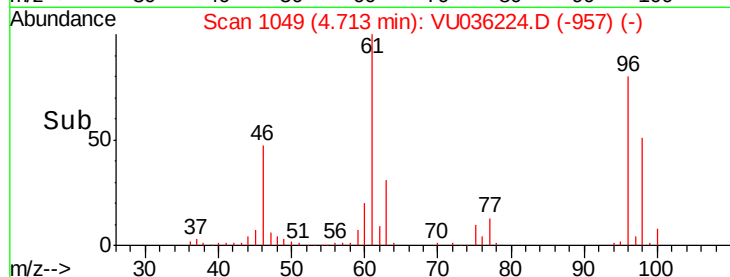
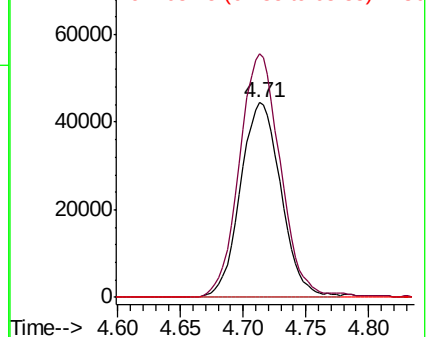
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036197.D (-1033) (-)

Ion 61.05 (60.75 to 61.75): VU036197.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU036197.D (-1033) (-)



#23

Bromochloromethane

Concen: 5.610 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Tgt Ion: 128 Resp: 52444

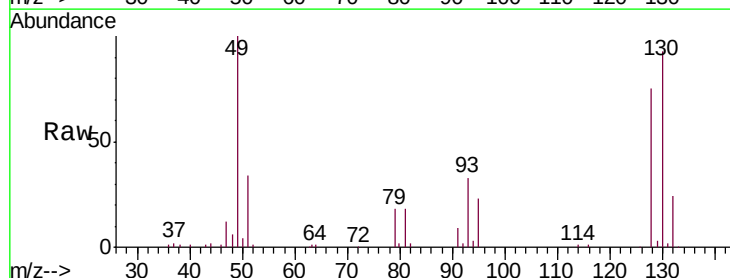
Ion Ratio Lower Upper

128 100

49 132.6 97.6 181.4

130 123.5 85.9 159.5

51 44.9 37.0 55.4

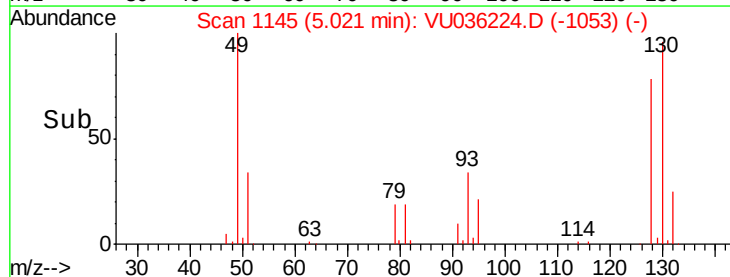
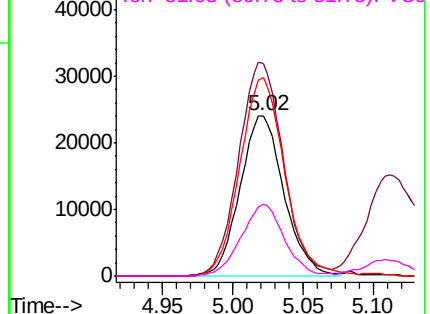


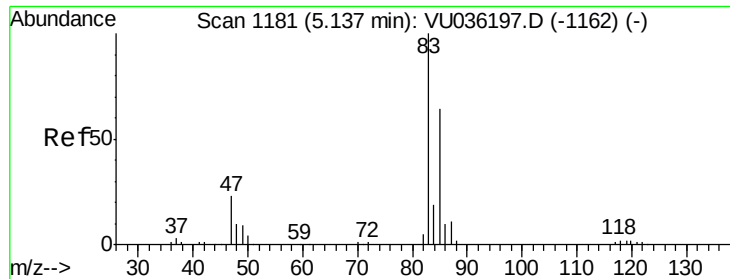
Abundance Ion 127.90 (127.60 to 128.60): VU036197.D (-1128) (-)

Ion 49.10 (48.80 to 49.80): VU036197.D (-1128) (-)

Ion 129.95 (129.65 to 130.65): VU036197.D (-1128) (-)

Ion 51.05 (50.75 to 51.75): VU036197.D (-1128) (-)

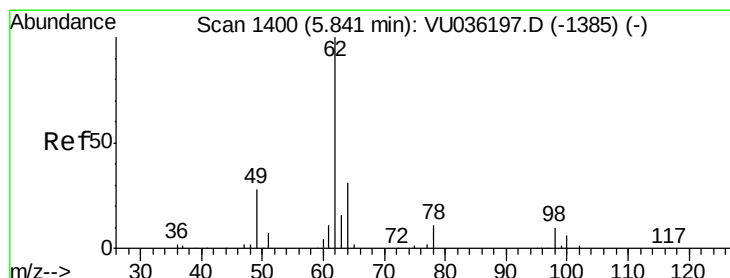
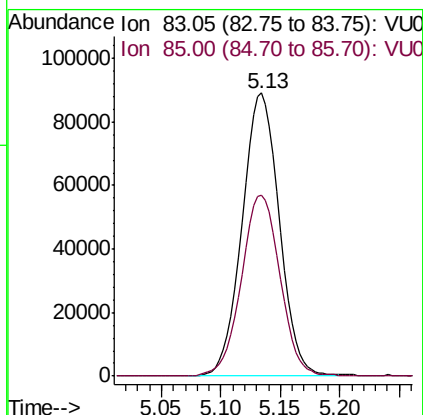
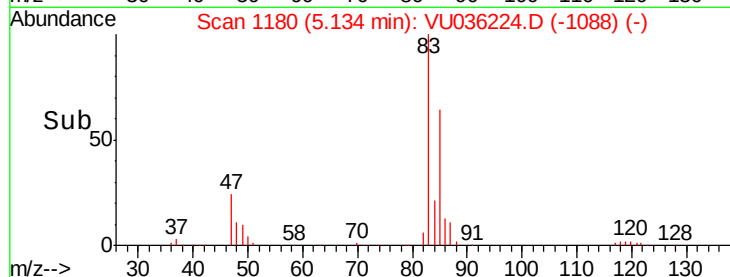
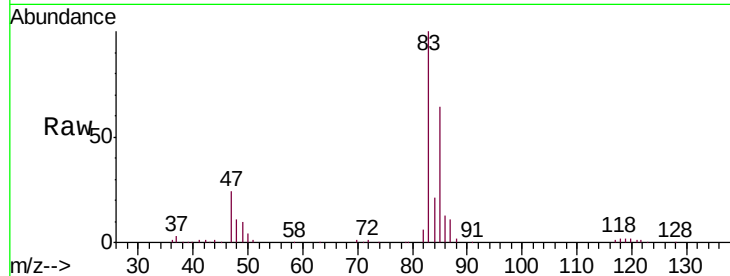




#25
Chloroform
Concen: 5.368 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

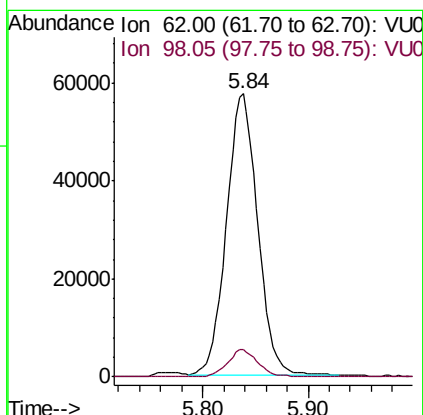
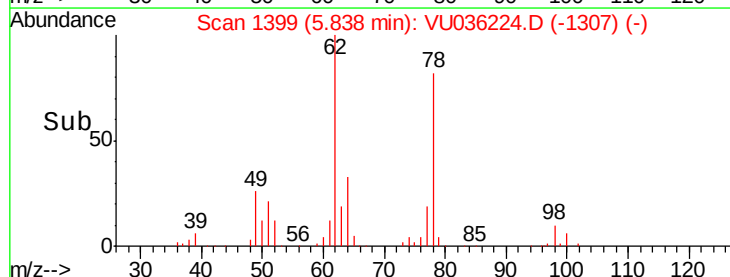
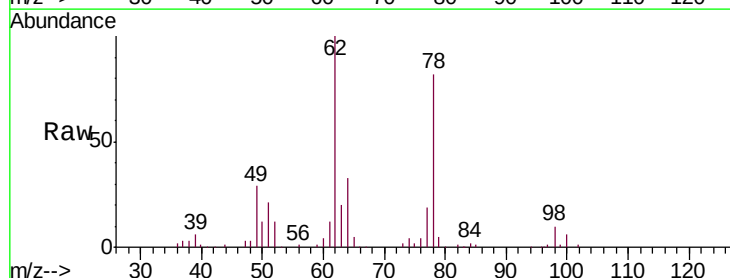
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

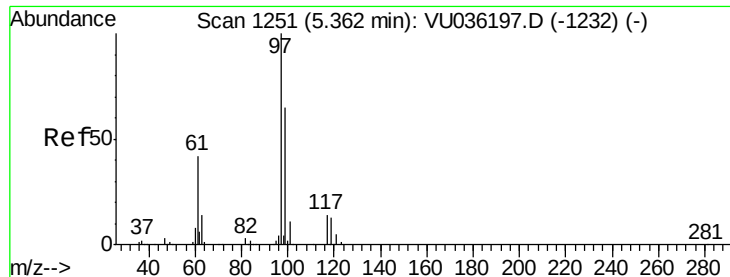
Tgt Ion: 83 Resp: 193083
Ion Ratio Lower Upper
83 100
85 64.0 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.546 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion: 62 Resp: 118322
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9

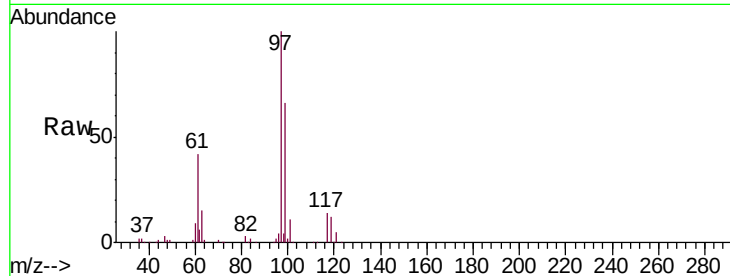




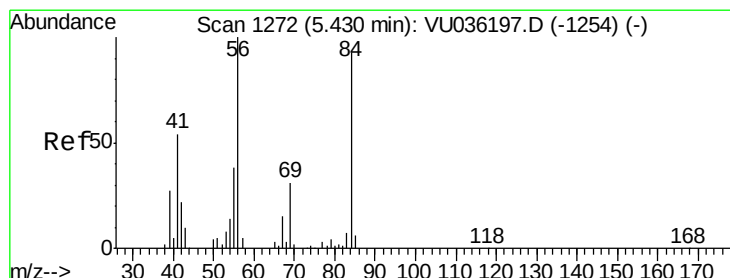
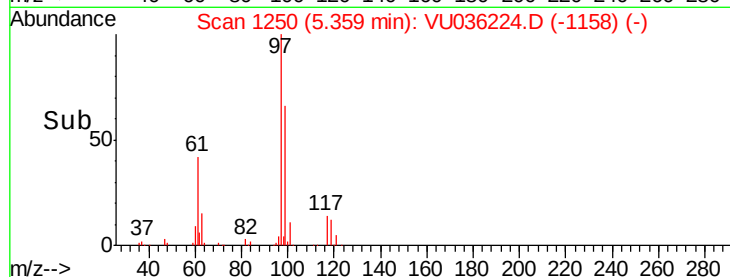
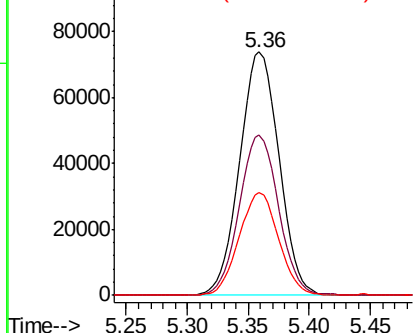
#29
 1,1,1-Trichloroethane
 Concen: 5.435 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 97 Resp: 164972
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.4 77.2
 61 42.5 35.0 52.6

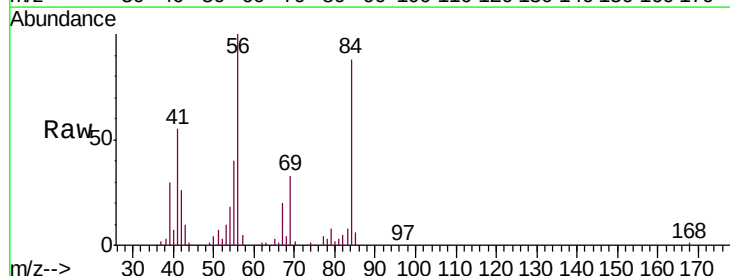


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

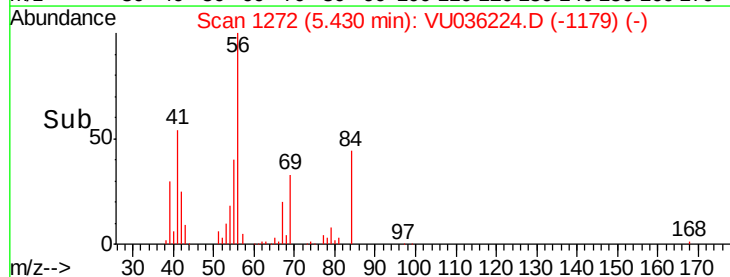
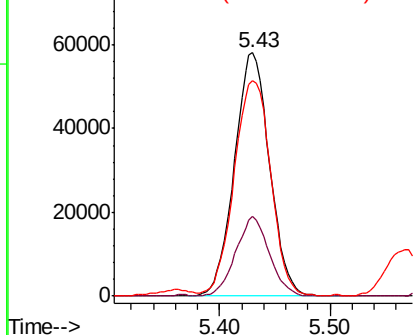


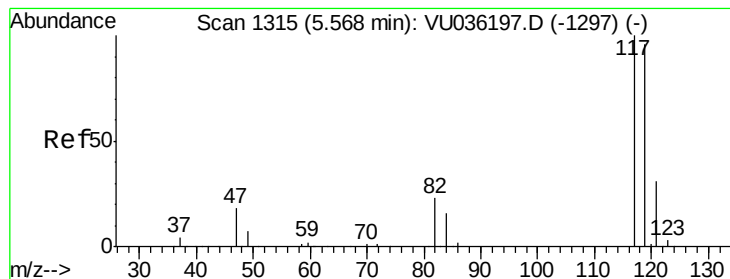
#30
 Cyclohexane
 Concen: 4.959 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 56 Resp: 128067
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.6 38.4
 84 92.4 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: 5.474 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

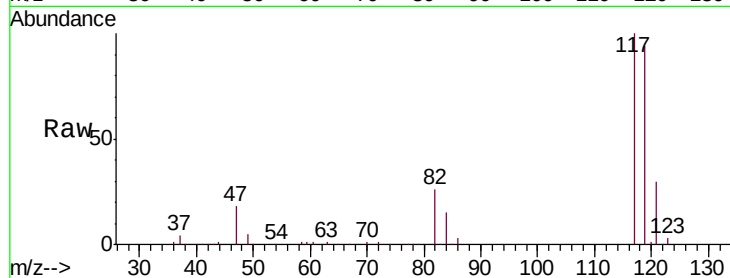
VSTD00515

Tgt Ion:117 Resp: 151507

Ion Ratio Lower Upper

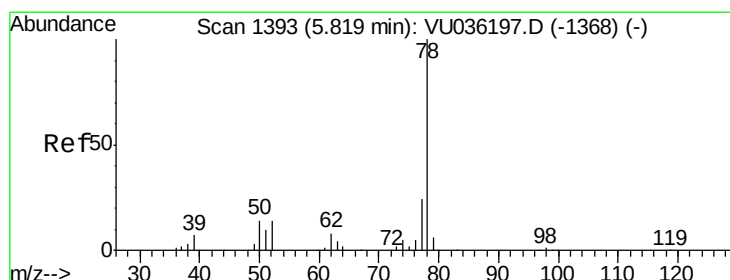
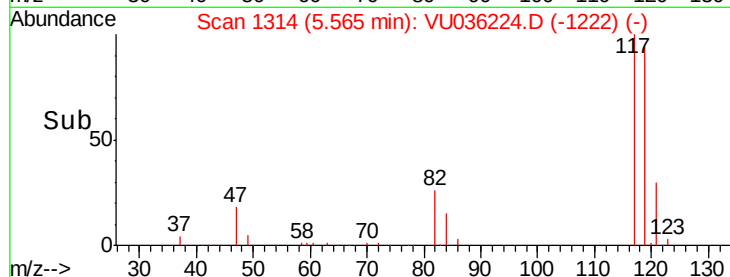
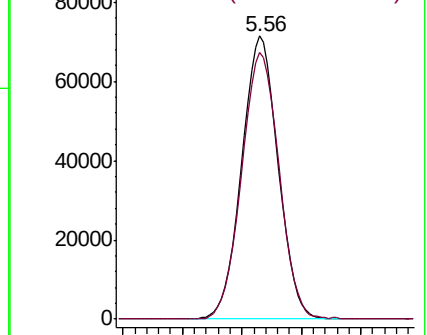
117 100

119 96.6 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: 5.481 ug/L

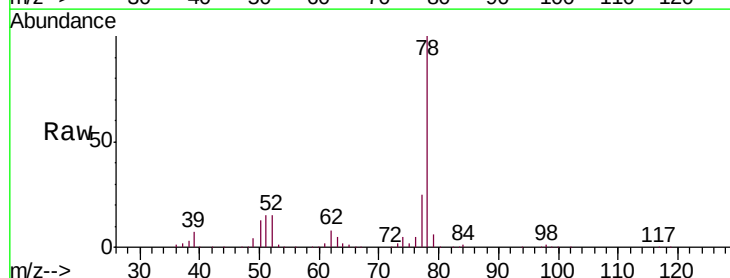
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

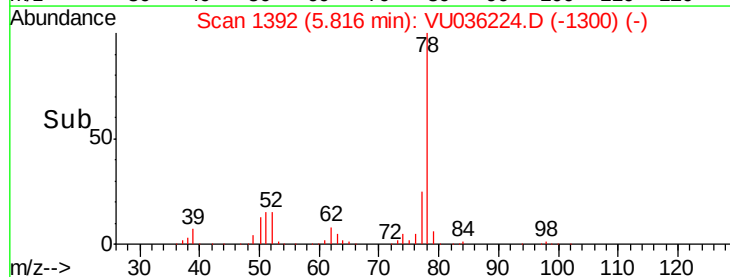
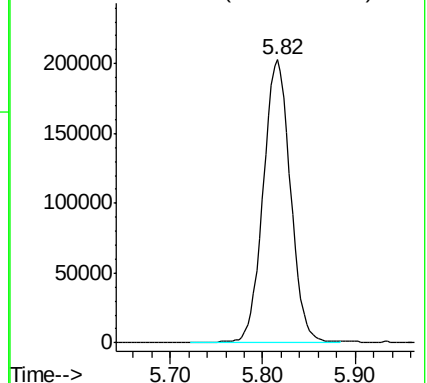
Lab File: VU036224.D

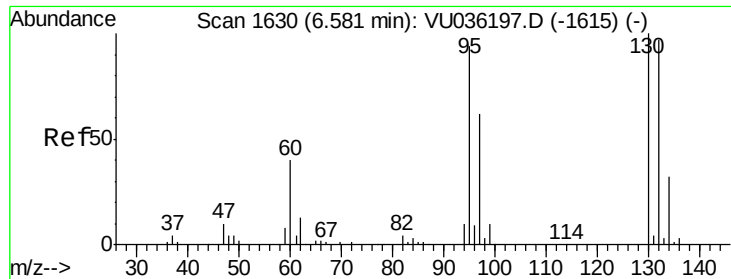
Acq: 16 Dec 2019 09:55

Tgt Ion: 78 Resp: 415296



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.231 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 102196

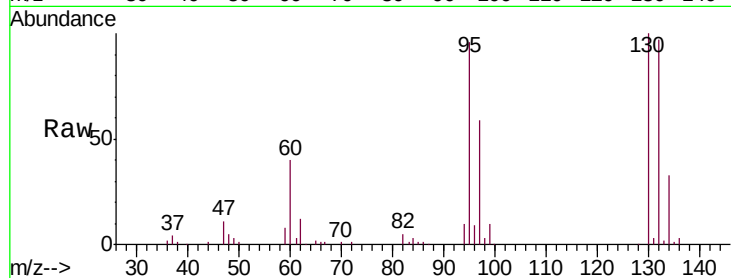
Ion Ratio Lower Upper

95 100

97 61.4 43.6 81.0

132 101.3 69.6 129.2

130 104.6 70.3 130.7

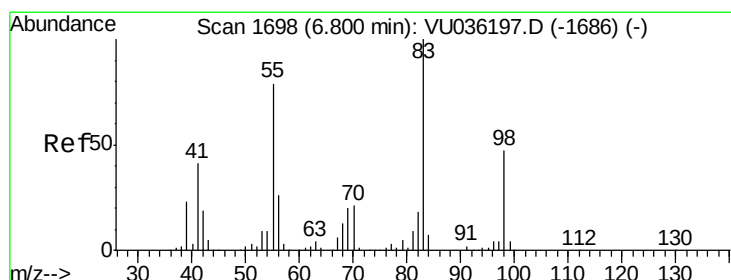
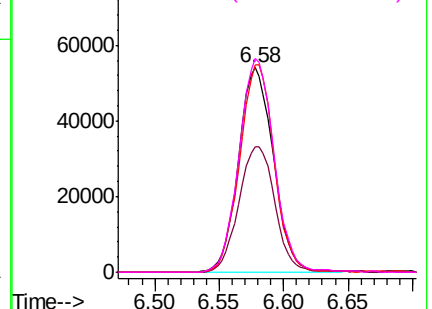
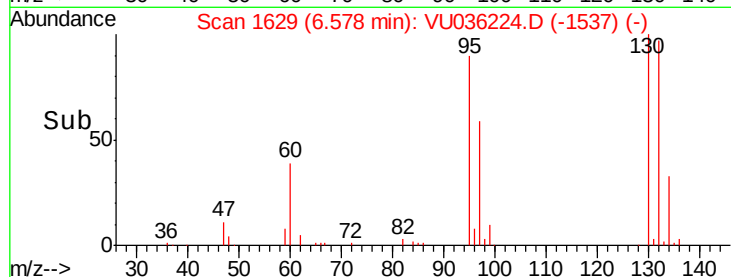


Abundance Ion 95.00 (94.70 to 95.70): VU036197.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU036197.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU036197.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU036197.D (-1615) (-)



#35

Methylcyclohexane

Concen: 5.065 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

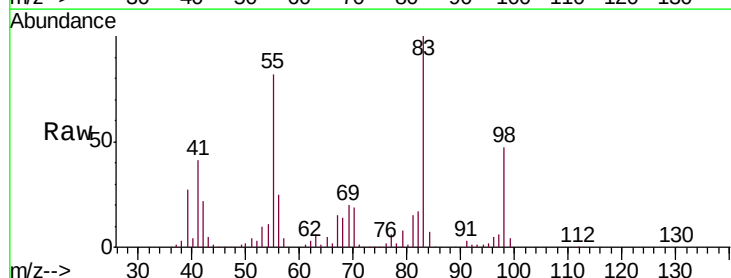
Tgt Ion: 83 Resp: 140671

Ion Ratio Lower Upper

83 100

55 81.3 62.6 94.0

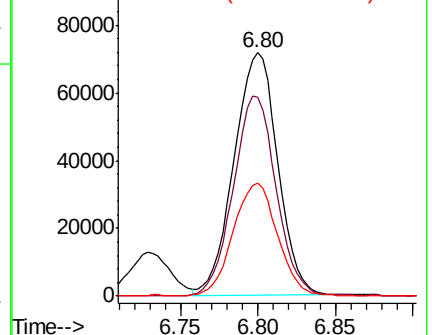
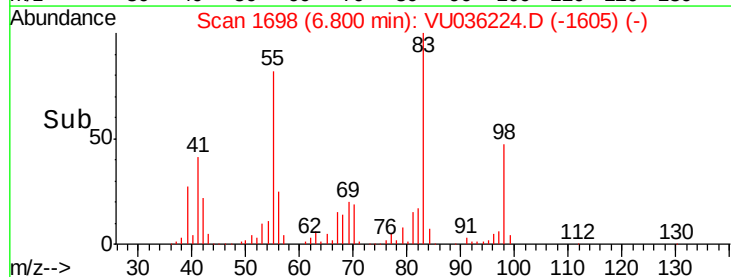
98 47.4 36.2 54.2

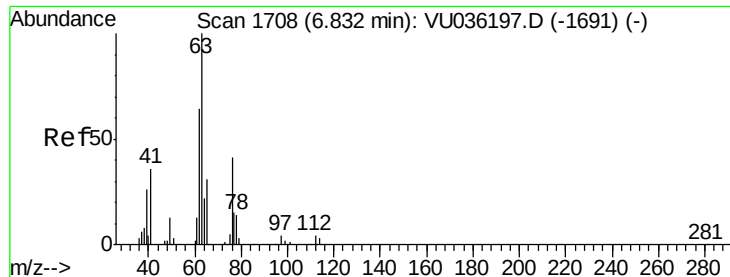


Abundance Ion 83.15 (82.85 to 83.85): VU036197.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU036197.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU036197.D (-1686) (-)

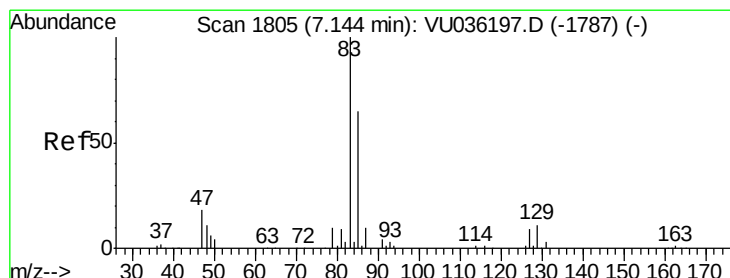
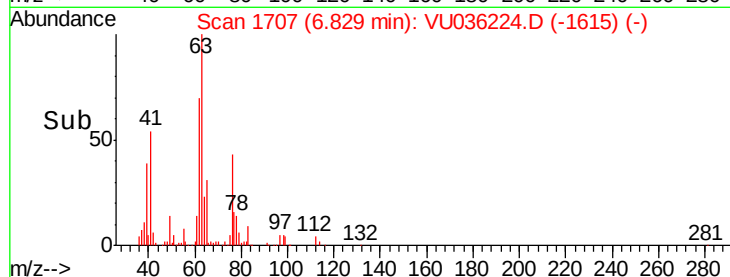
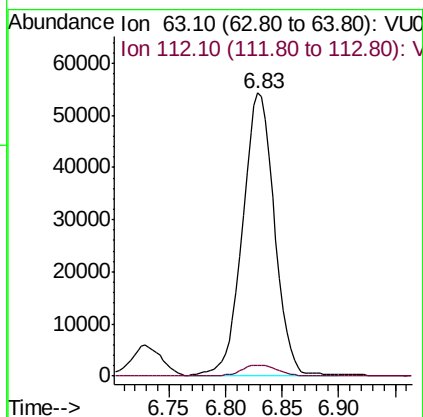
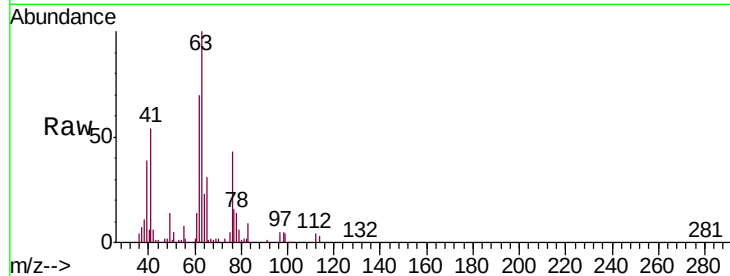




#37
 1,2-Dichloropropane
 Concen: 5.479 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

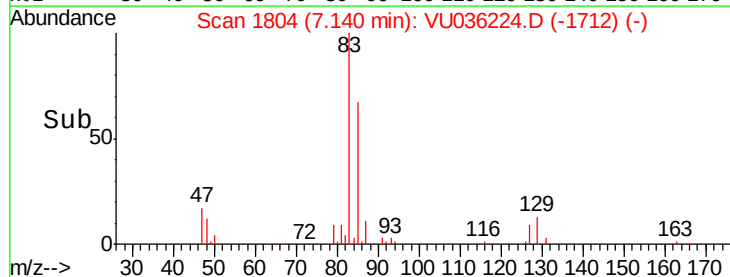
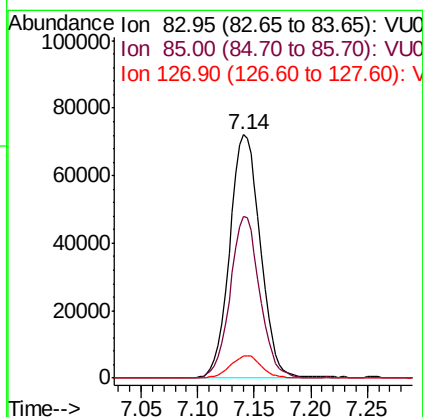
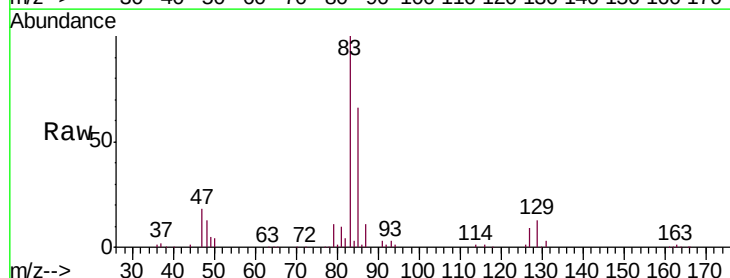
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

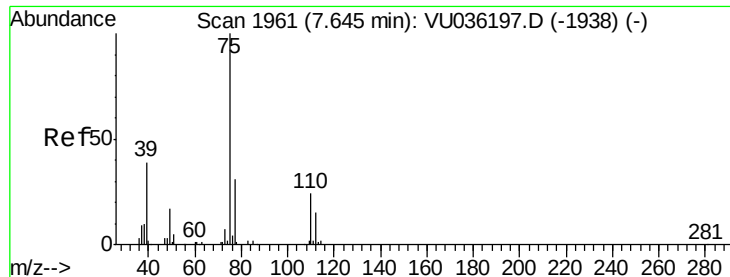
Tgt Ion: 63 Resp: 105908
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.427 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 83 Resp: 136530
 Ion Ratio Lower Upper
 83 100
 85 66.4 45.6 84.6
 127 9.0 7.1 10.7

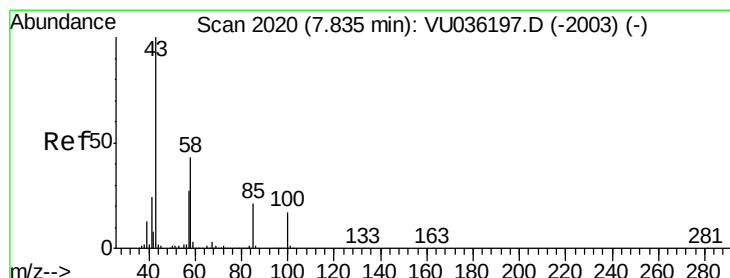
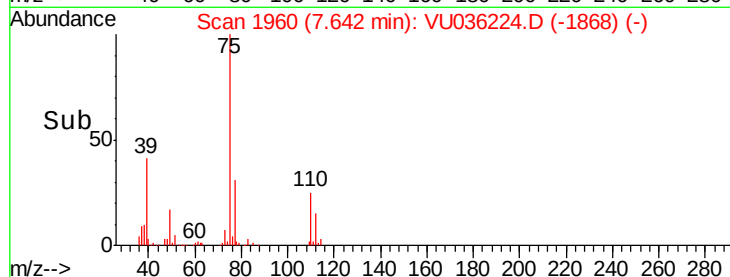
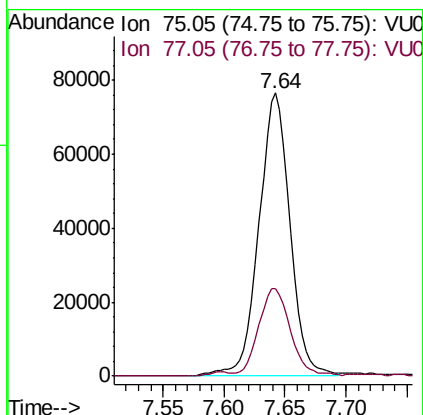
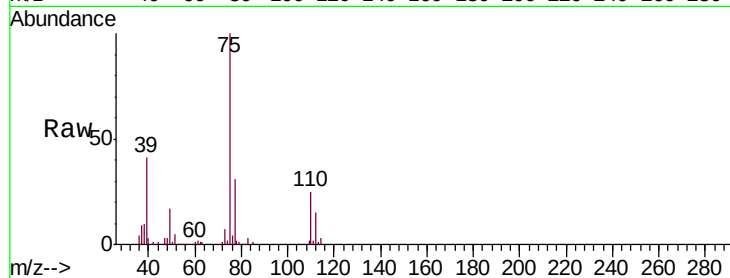




#39
 cis-1,3-Dichloropropene
 Concen: 5.147 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

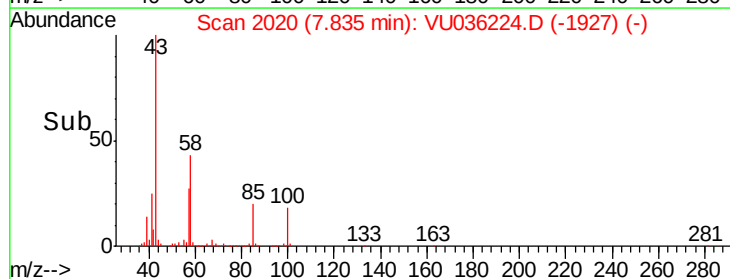
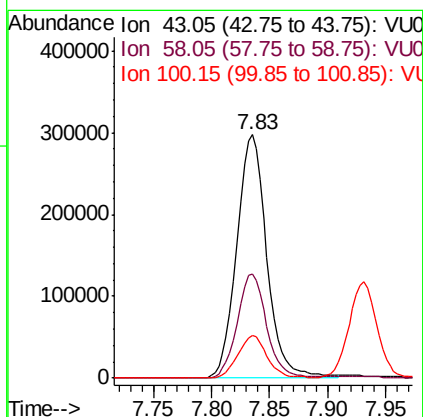
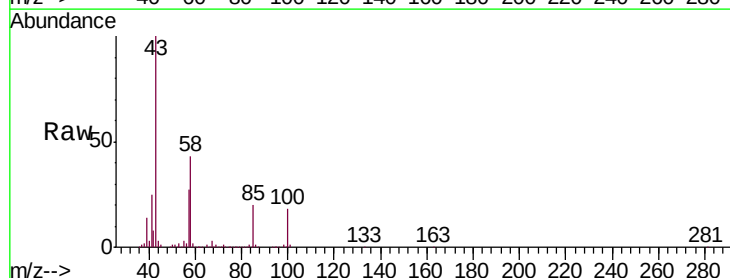
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

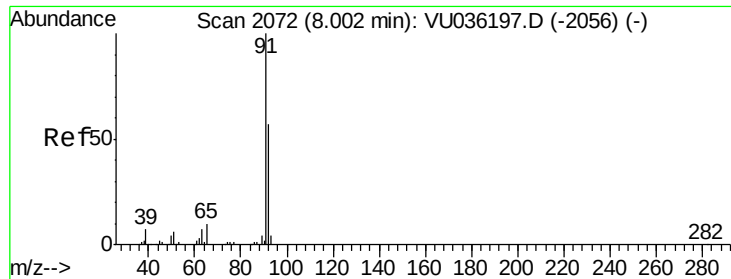
Tgt Ion: 75 Resp: 135570
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 52.810 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 43 Resp: 533991
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.3 49.9
 100 17.0 13.7 20.5





#42

Toluene

Concen: 5.490 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

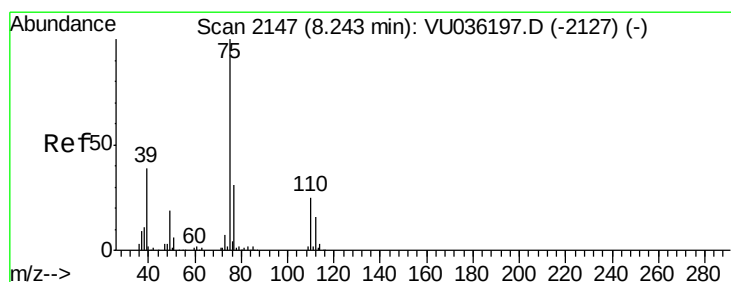
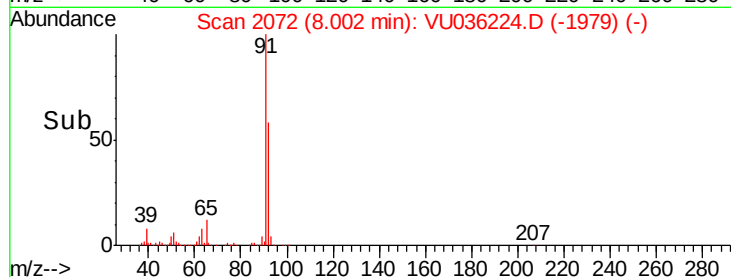
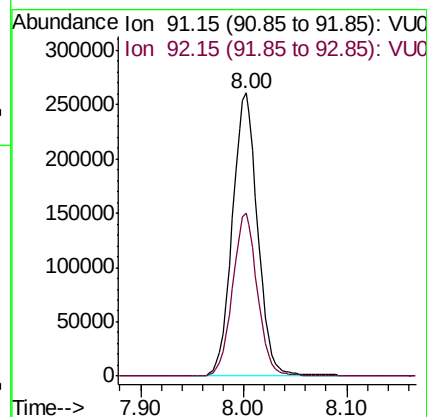
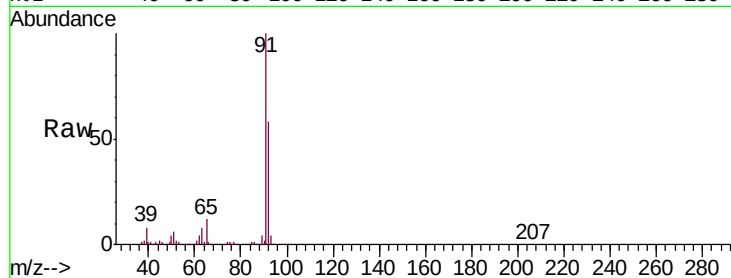
VSTD00515

Tgt Ion: 91 Resp: 445909

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.433 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036224.D

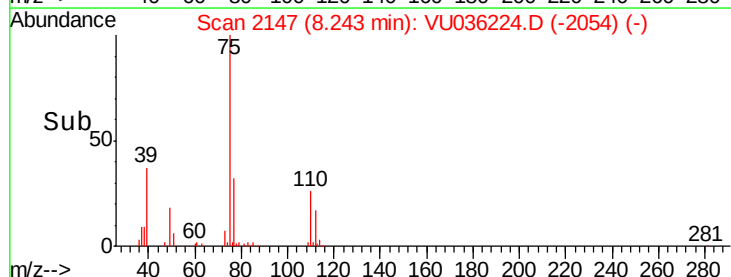
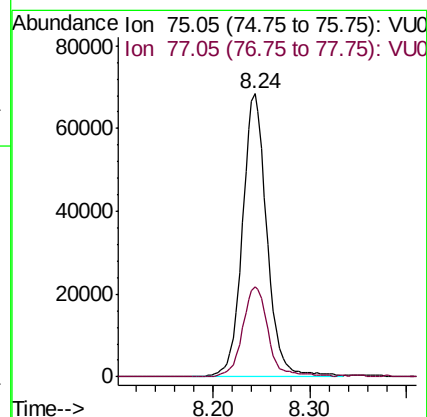
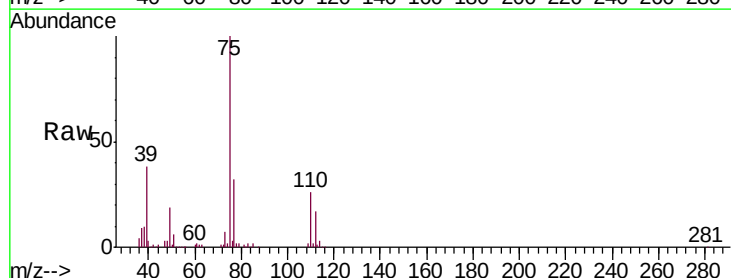
Acq: 16 Dec 2019 09:55

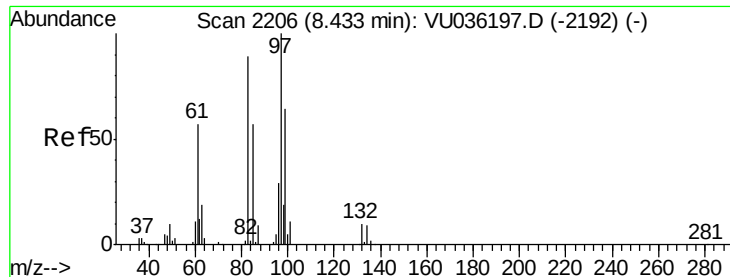
Tgt Ion: 75 Resp: 120196

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.638 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 97 Resp: 81665

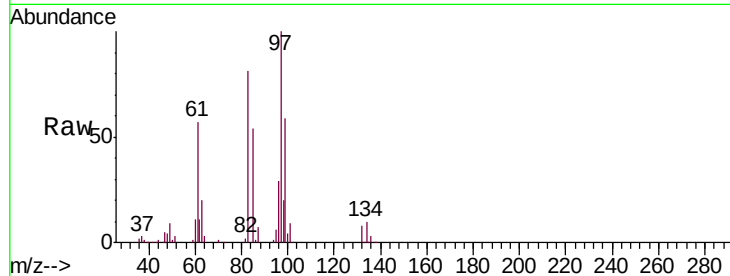
Ion Ratio Lower Upper

97 100

99 59.3 46.1 85.5

83 80.8 65.9 122.3

85 54.2 43.1 80.1

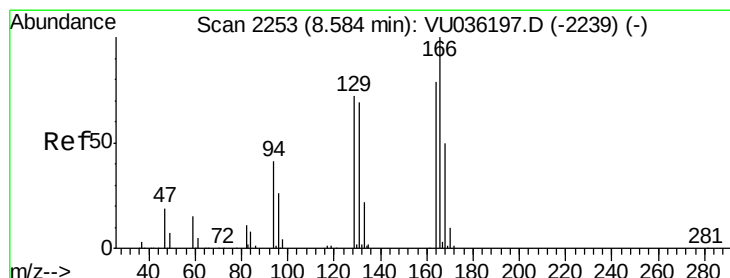
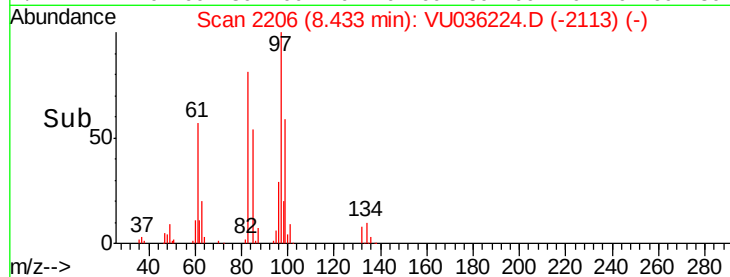
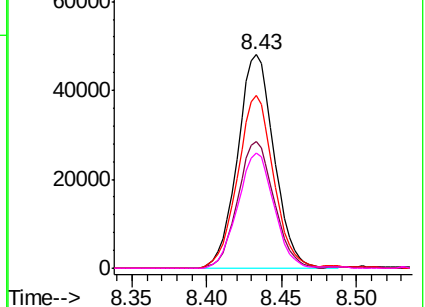


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.237 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Tgt Ion: 164 Resp: 92395

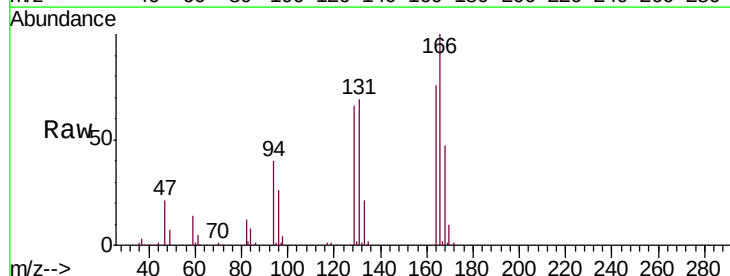
Ion Ratio Lower Upper

164 100

129 86.4 64.2 119.2

131 90.7 66.6 123.8

166 131.4 93.1 172.9

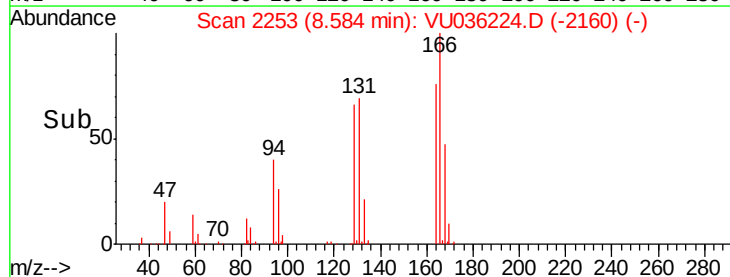
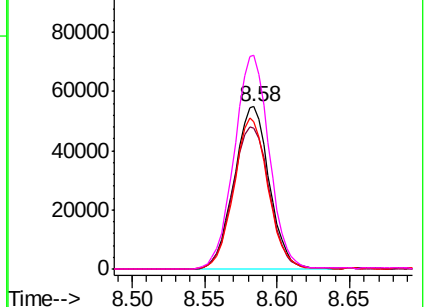


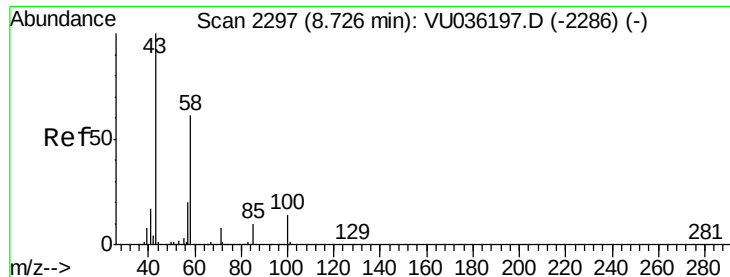
Abundance Ion 163.90 (163.60 to 164.60): V

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

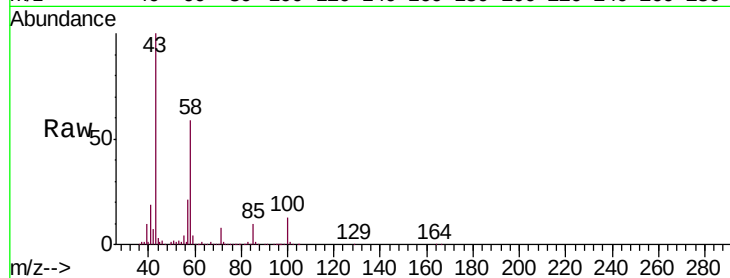




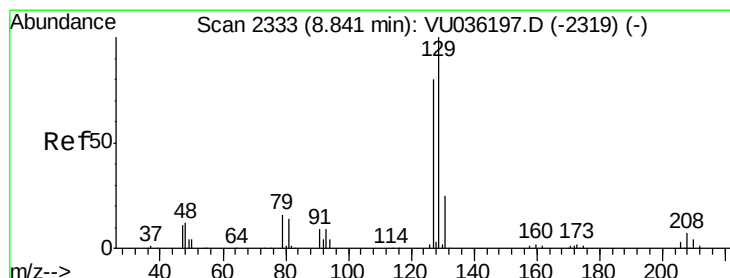
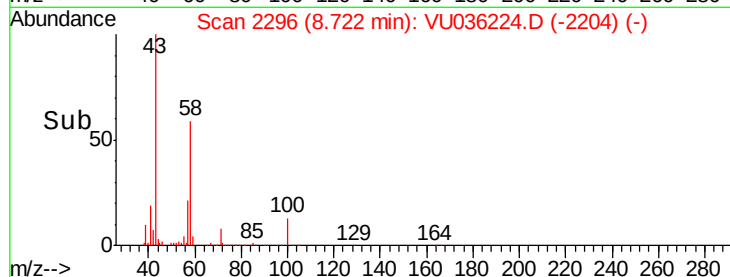
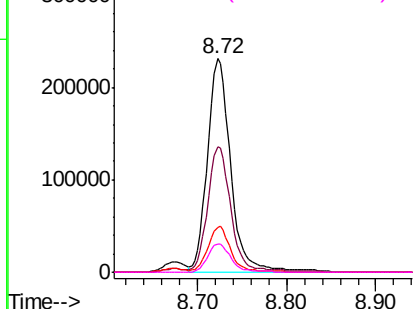
#48
2-Hexanone
Concen: 55.556 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:	43	Resp:	419237
Ion	Ratio	Lower	Upper
43	100		
58	59.1	46.2	69.2
57	20.2	16.2	24.4
100	13.3	10.2	15.4

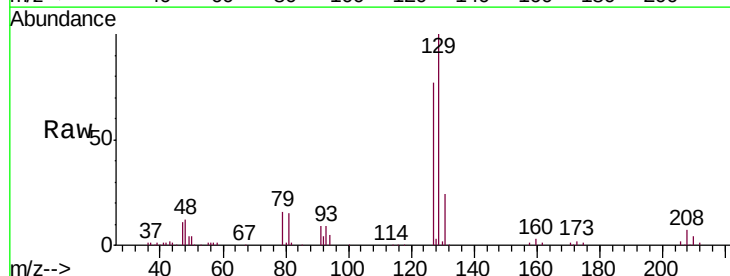


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

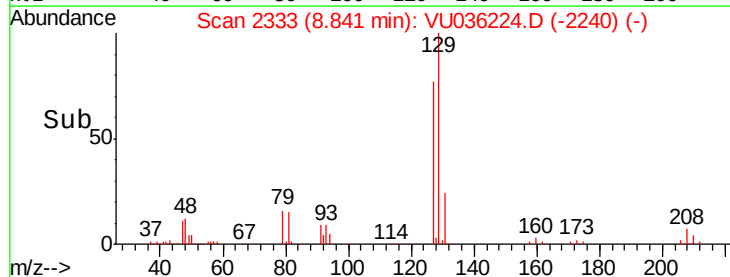
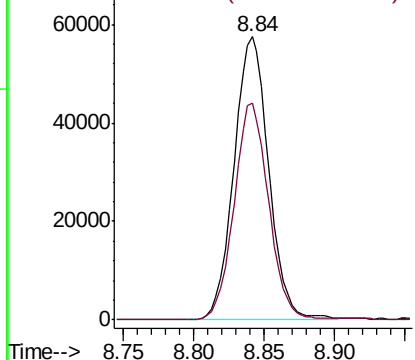


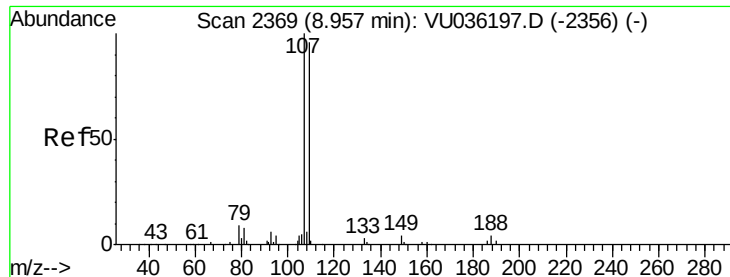
#49
Dibromochloromethane
Concen: 5.549 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion:	129	Resp:	99340
Ion	Ratio	Lower	Upper
129	100		
127	76.5	52.6	97.6



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

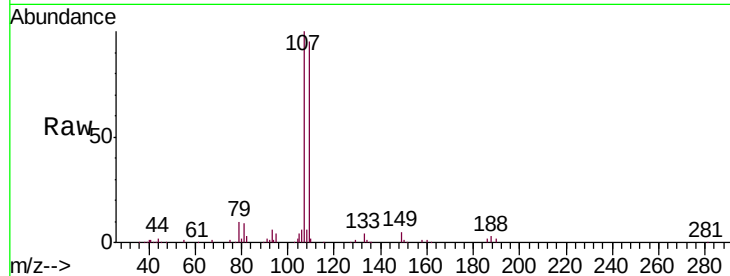




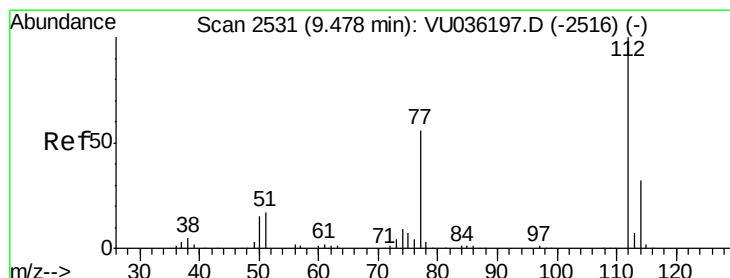
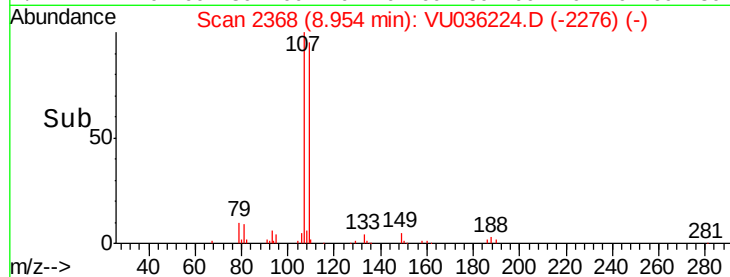
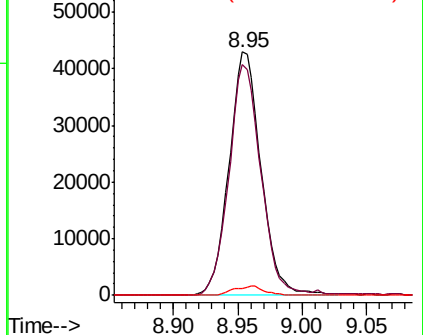
#50
1,2-Dibromoethane
Concen: 5.352 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:107 Resp: 73941
Ion Ratio Lower Upper
107 100
109 94.5 67.5 125.4
188 2.8 3.1 4.7#

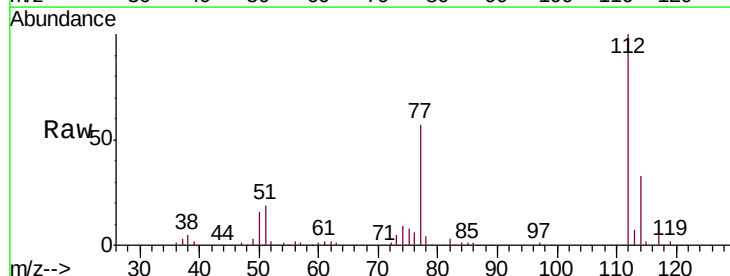


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

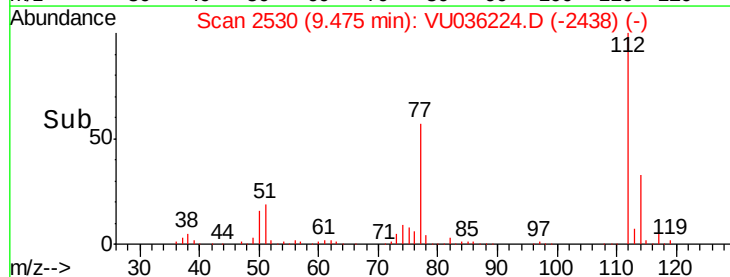
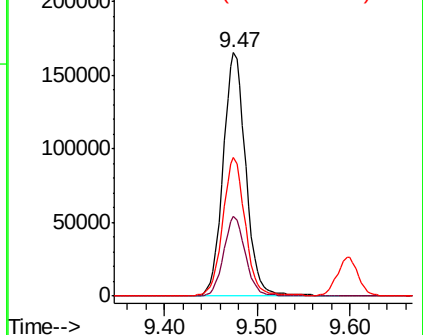


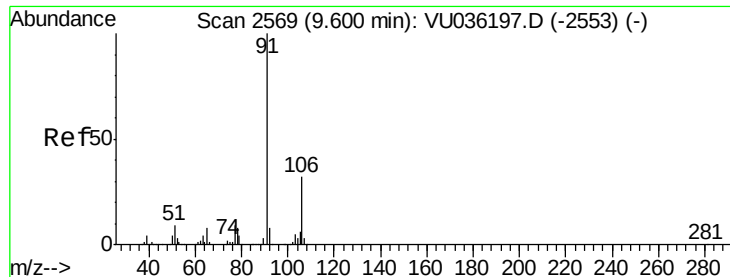
#51
Chlorobenzene
Concen: 5.208 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion:112 Resp: 279306
Ion Ratio Lower Upper
112 100
114 32.6 23.2 43.2
77 57.0 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: 5.127 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

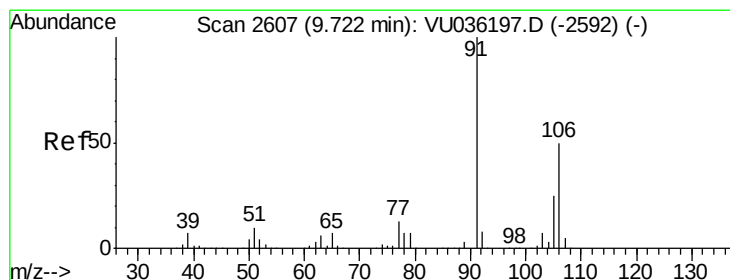
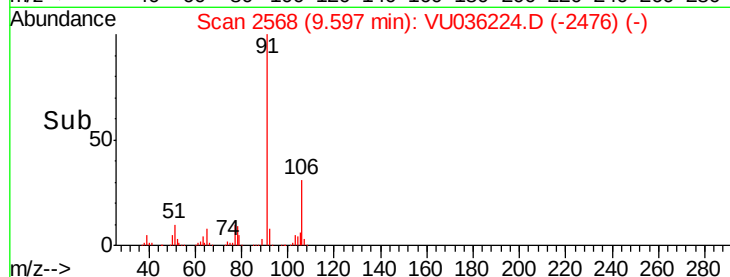
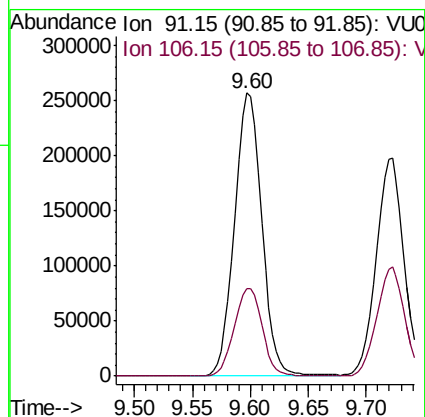
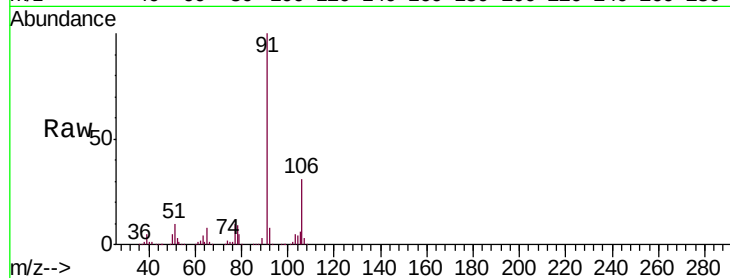
VSTD00515

Tgt Ion: 91 Resp: 418270

Ion Ratio Lower Upper

91 100

106 31.0 22.0 41.0



#53

m,p-Xylene

Concen: 5.320 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU036224.D

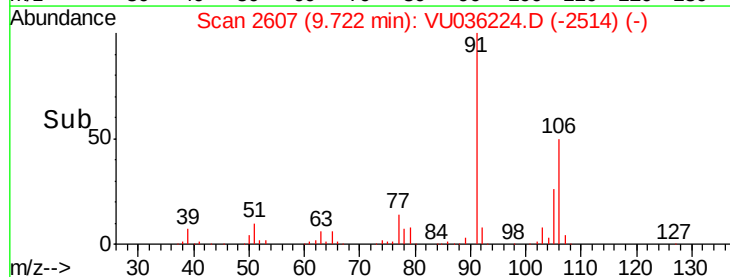
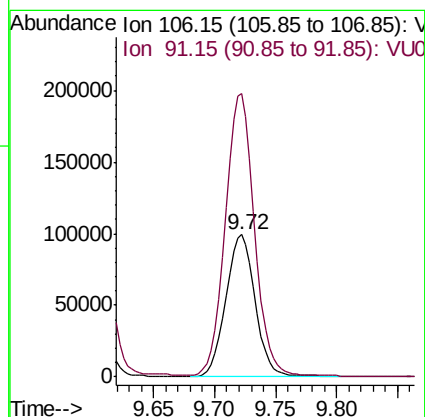
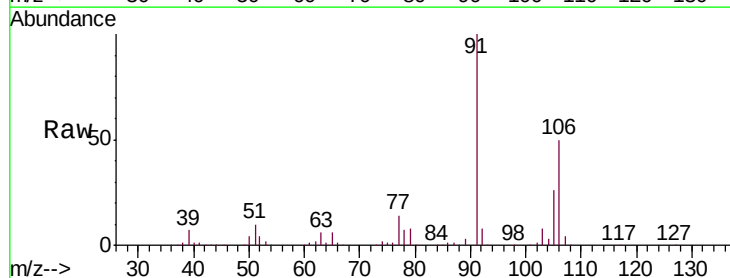
Acq: 16 Dec 2019 09:55

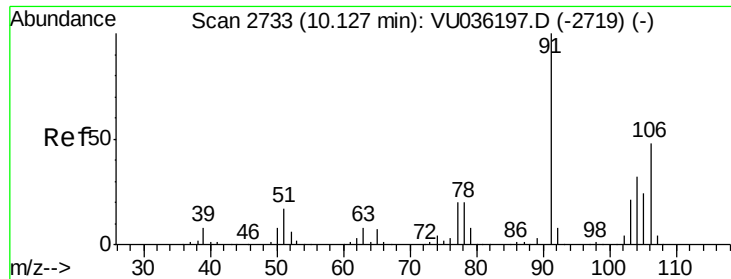
Tgt Ion: 106 Resp: 167221

Ion Ratio Lower Upper

106 100

91 199.2 138.7 257.7

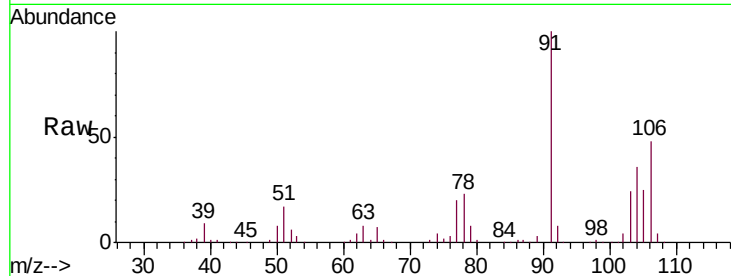




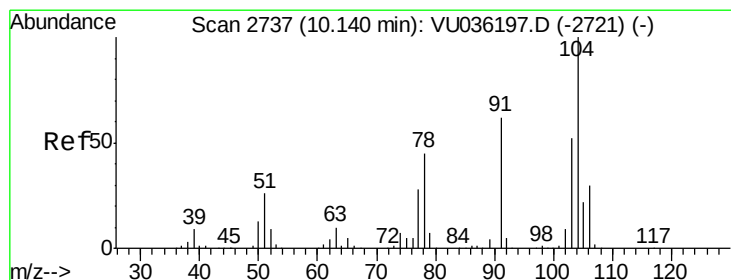
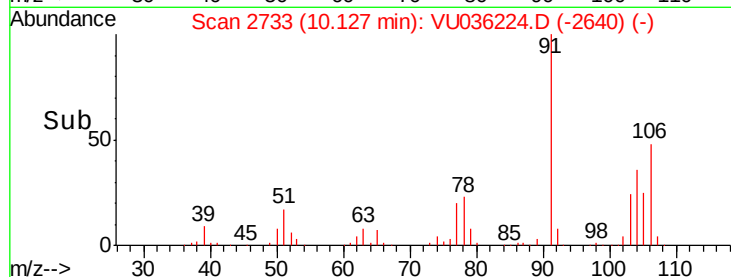
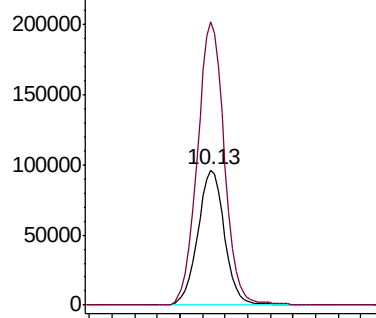
#54
o-Xylene
Concen: 5.224 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion:106 Resp: 158351
Ion Ratio Lower Upper
106 100
91 209.1 152.8 283.8

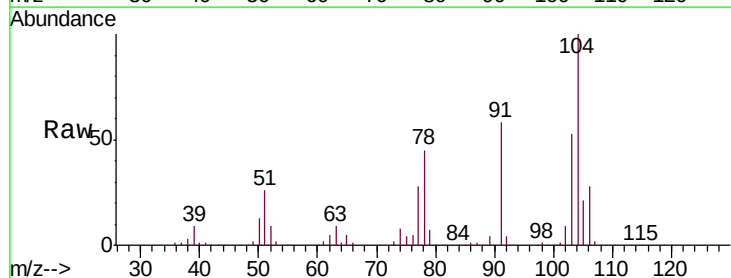


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

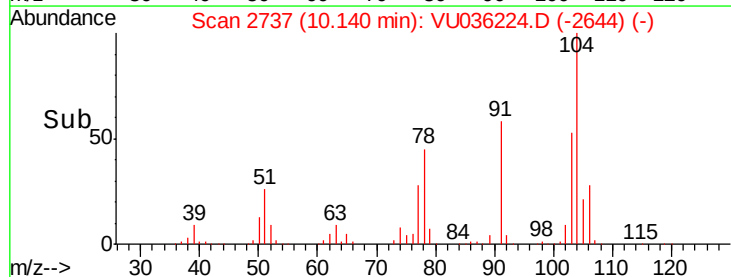
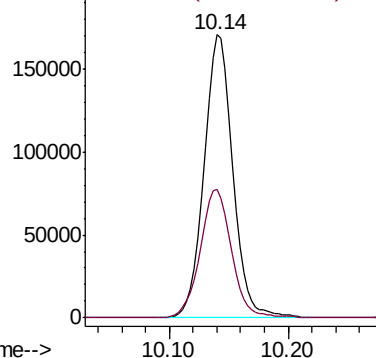


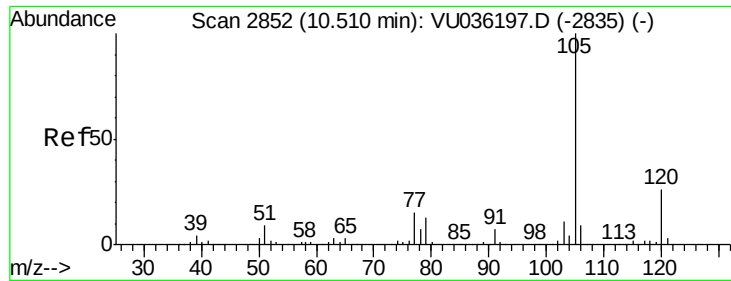
#55
Styrene
Concen: 5.339 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU036224.D
Acq: 16 Dec 2019 09:55

Tgt Ion:104 Resp: 286423
Ion Ratio Lower Upper
104 100
78 45.5 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: 5.256 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

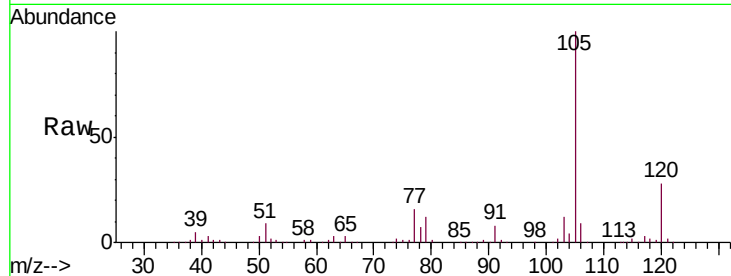
Tgt Ion: 105 Resp: 409169

Ion Ratio Lower Upper

105 100

120 27.4 21.0 31.6

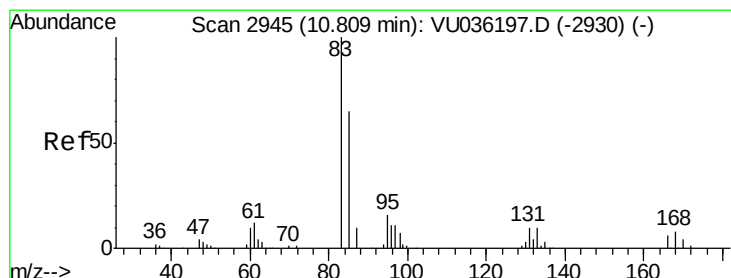
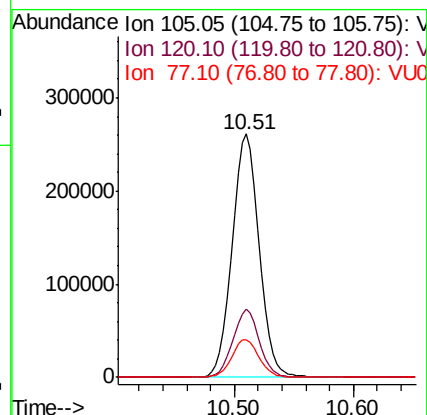
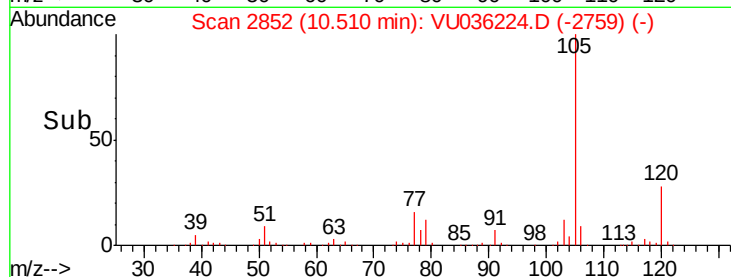
77 15.9 12.5 18.7



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: 5.433 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

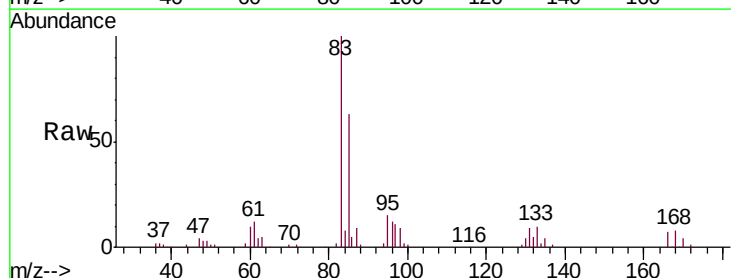
Tgt Ion: 83 Resp: 100201

Ion Ratio Lower Upper

83 100

85 62.6 45.6 84.8

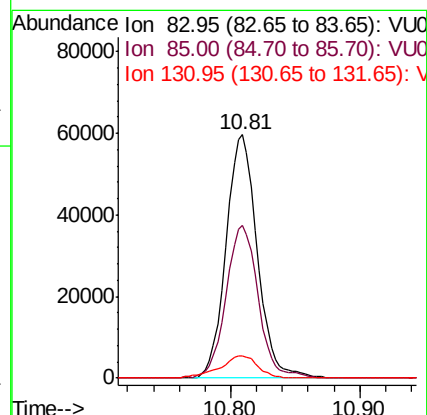
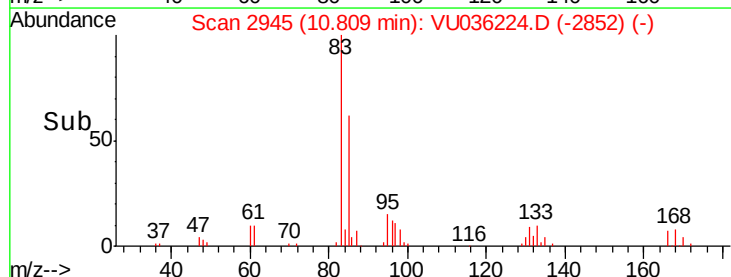
131 8.9 8.5 12.7

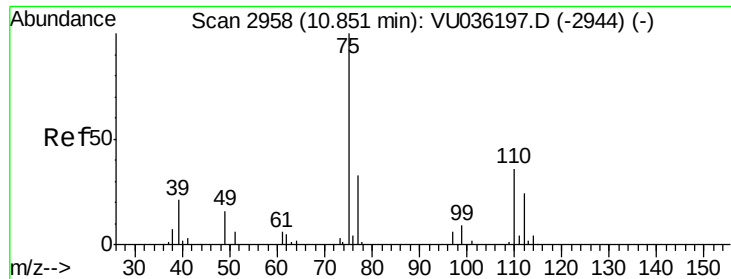


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

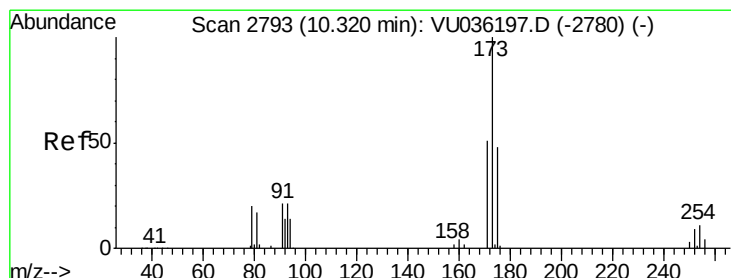
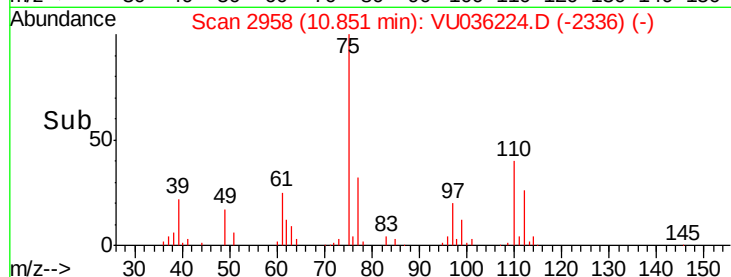
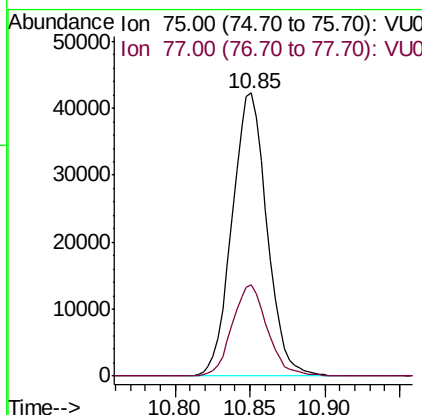
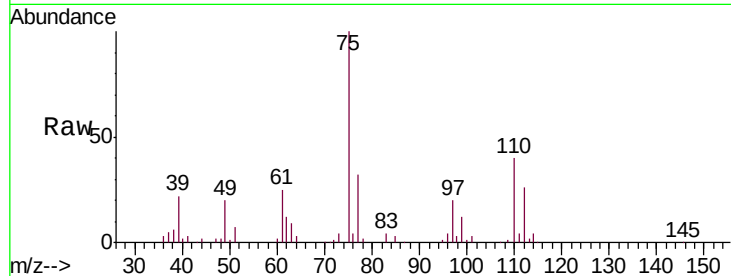




#59
 1,2,3-Trichloropropane
 Concen: 5.350 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

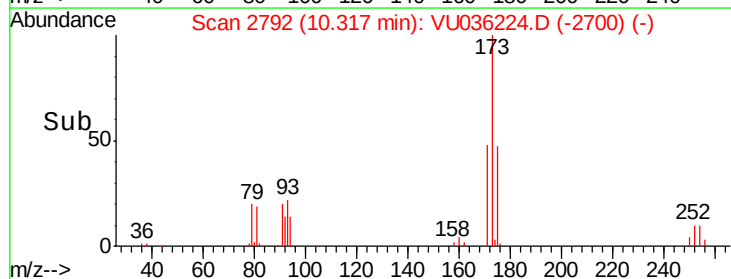
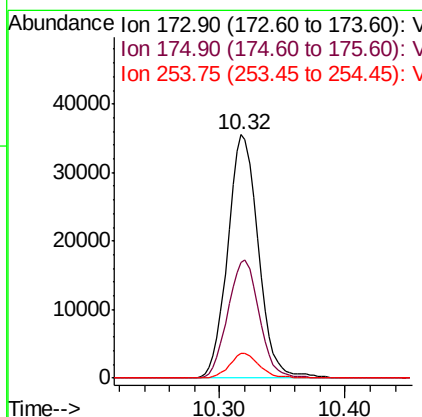
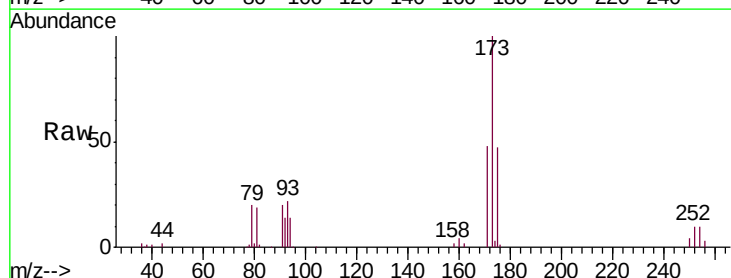
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

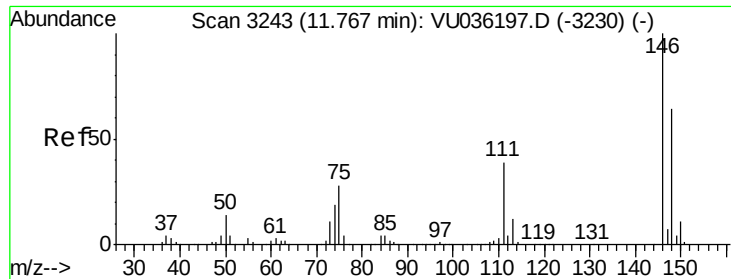
Tgt Ion: 75 Resp: 68738
 Ion Ratio Lower Upper
 75 100
 77 32.4 27.2 40.8



#61
 Bromoform
 Concen: 5.223 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 173 Resp: 60164
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.2 58.8
 254 9.8 7.8 11.6

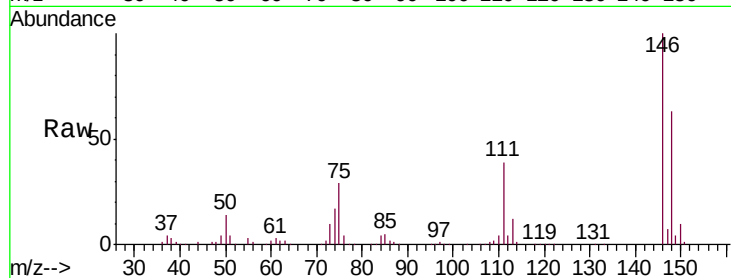




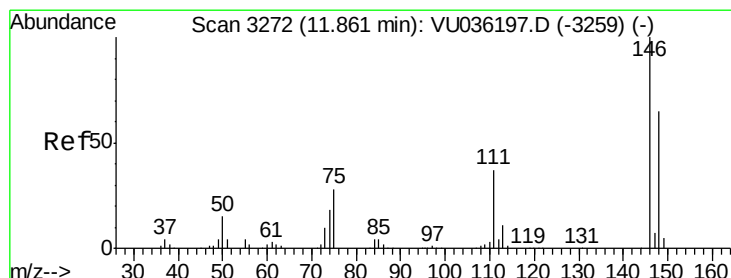
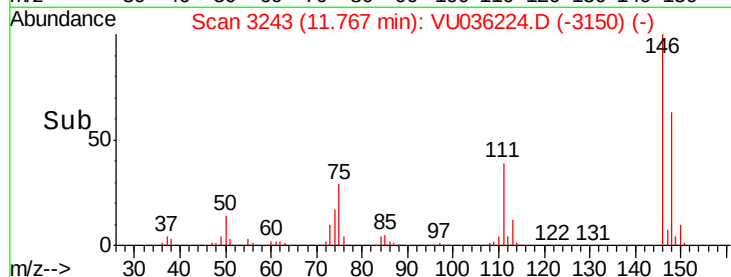
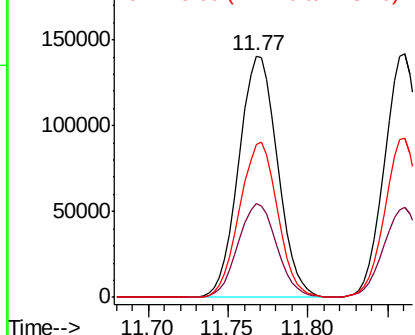
#62
 1,3-Dichlorobenzene
 Concen: 5.205 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:146 Resp: 233026
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.3 48.9
 148 63.2 45.1 83.9

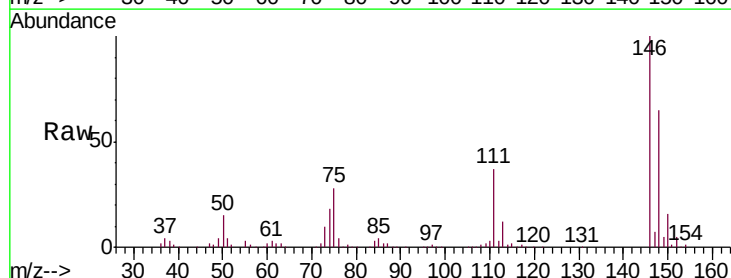


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

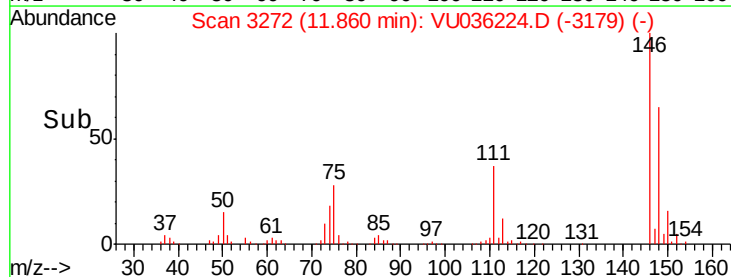
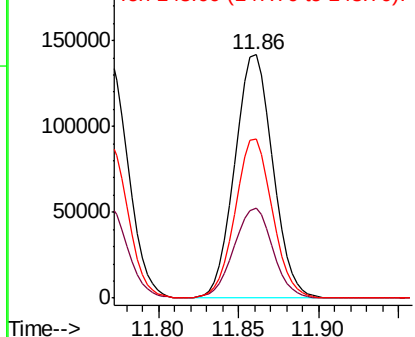


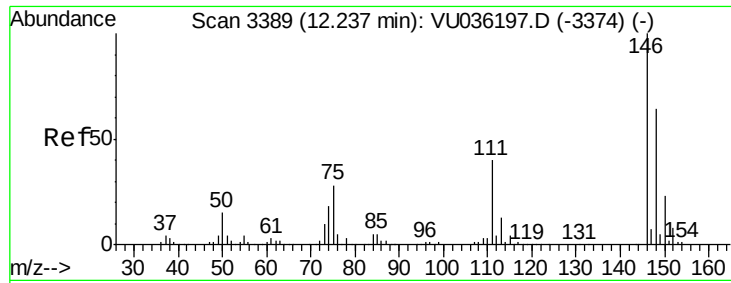
#63
 1,4-Dichlorobenzene
 Concen: 5.183 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion:146 Resp: 230142
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.8 48.0
 148 65.3 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

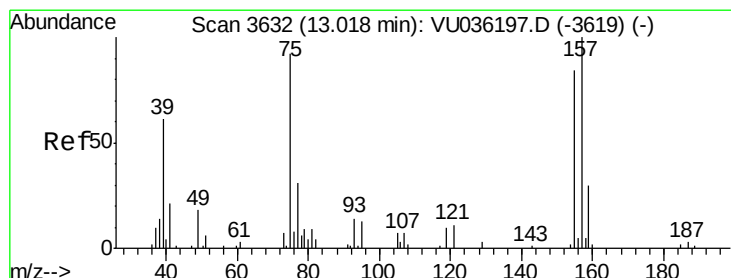
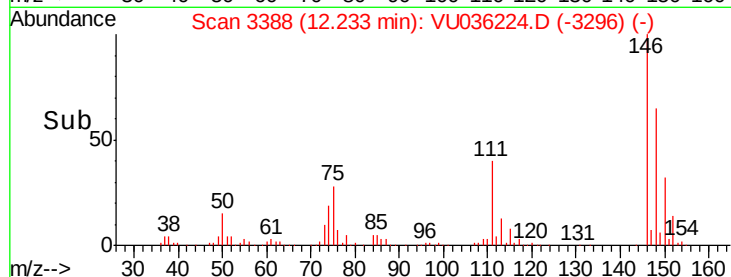
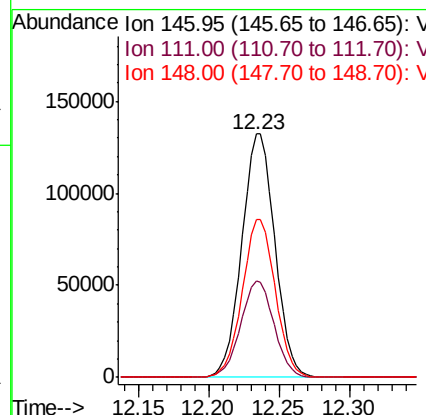
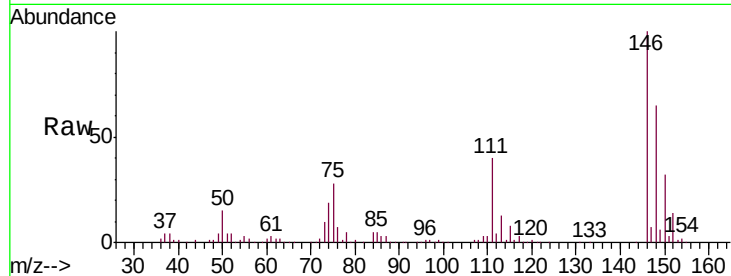




#65
 1,2-Dichlorobenzene
 Concen: 5.093 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

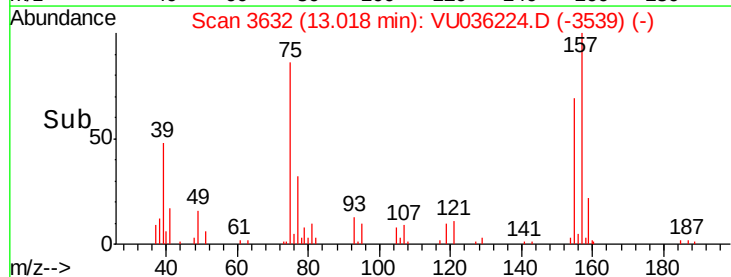
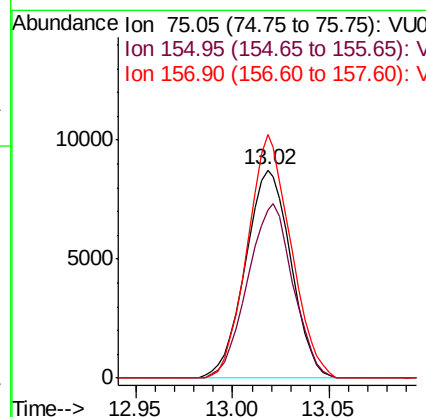
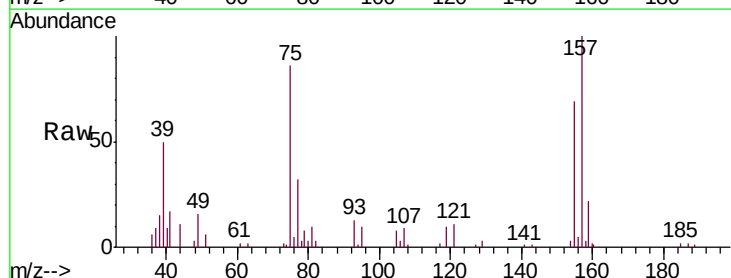
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

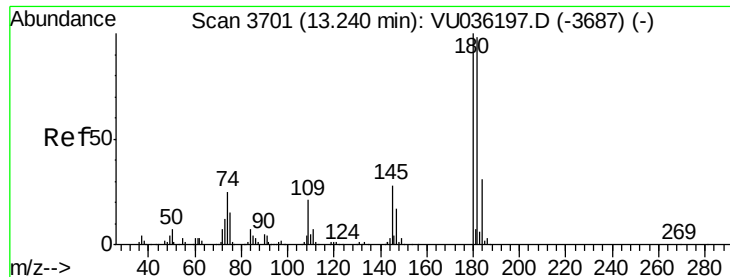
Tgt Ion: 146 Resp: 217234
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.5 48.7
 148 64.6 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.047 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion: 75 Resp: 14297
 Ion Ratio Lower Upper
 75 100
 155 80.7 61.9 92.9
 157 116.9 84.9 127.3

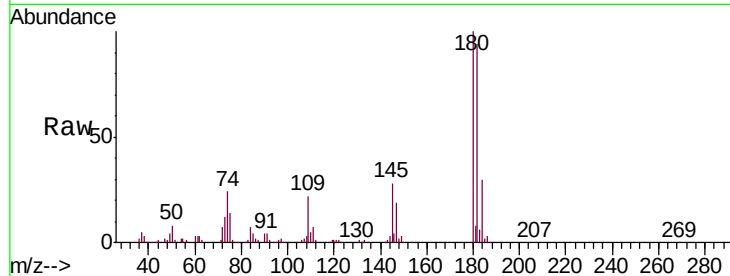




#67
 1,3,5-Trichlorobenzene
 Concen: 4.707 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	180	Resp:	157908
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.9	115.3
184	31.3	24.2	36.4
145	27.9	22.0	33.0



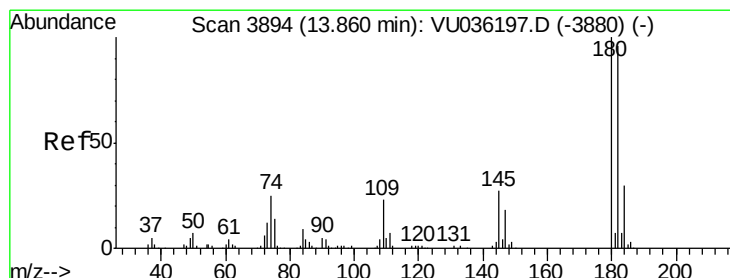
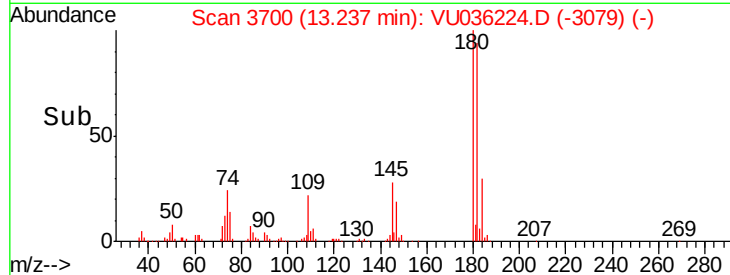
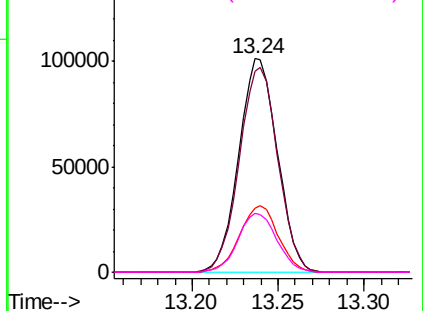
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

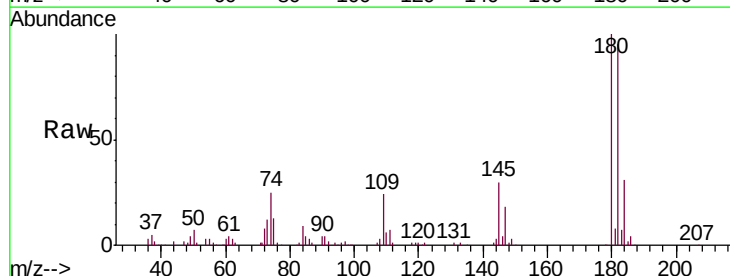
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.487 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU036224.D
 Acq: 16 Dec 2019 09:55

Tgt Ion:	180	Resp:	98886
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	28.4	22.7	34.1

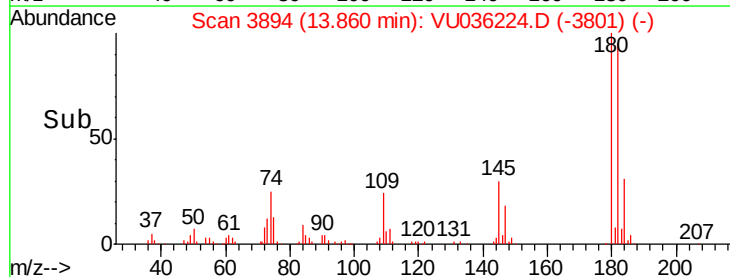
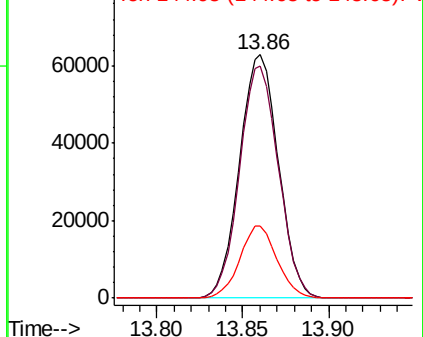


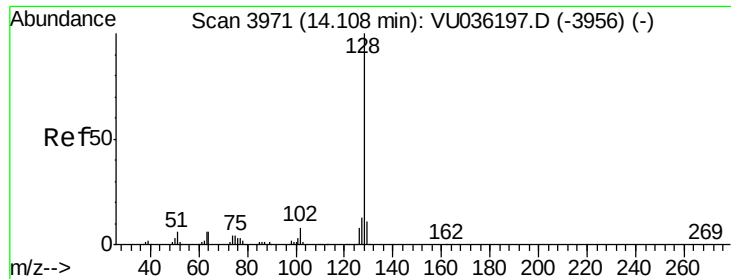
Abundance

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: 4.108 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

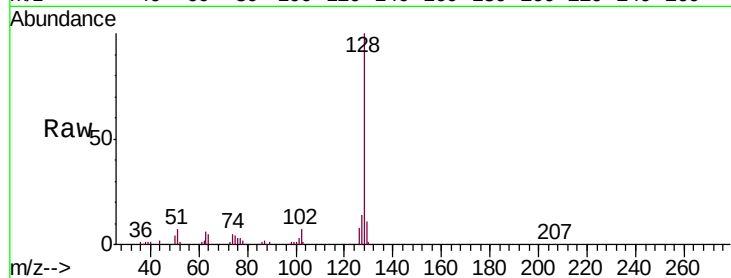
Tgt Ion:128 Resp: 115168

Ion Ratio Lower Upper

128 100

129 11.3 8.4 12.6

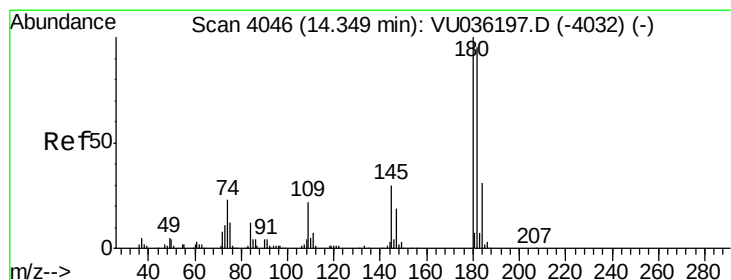
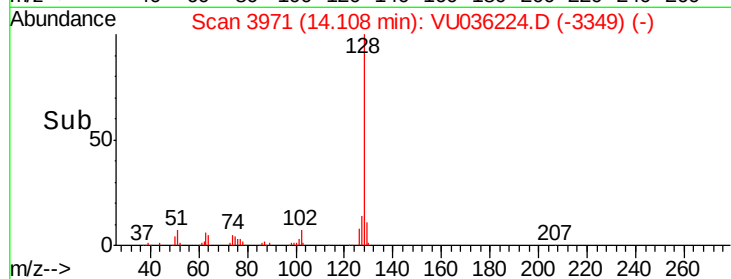
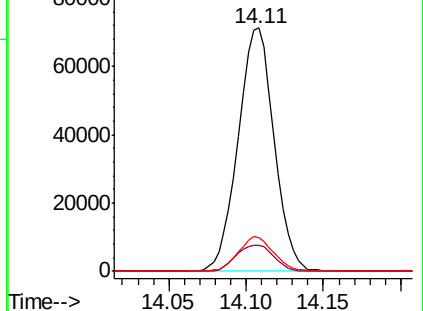
127 14.0 11.5 17.3



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: 4.495 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. -0.00 min

Lab File: VU036224.D

Acq: 16 Dec 2019 09:55

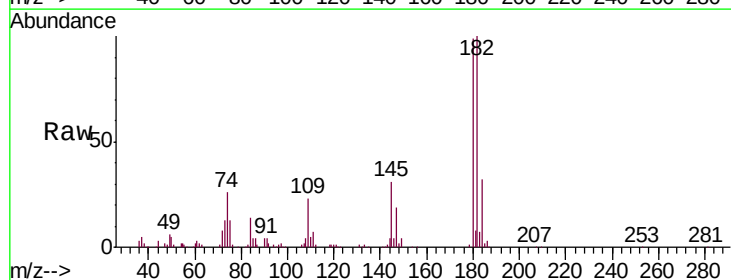
Tgt Ion:180 Resp: 95807

Ion Ratio Lower Upper

180 100

182 97.2 77.0 115.6

145 29.7 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

