

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
 Data File : VU036222.D
 Acq On : 14 Dec 2019 01:44
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Quant Time: Dec 14 04:25:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 14 01:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	241486	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	257851	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	129016	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	103001	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.93	69	97798	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.60	63	156718	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.68	46	188823	47.40	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.80%
24) Chloroform-d	5.11	84	169251	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.75	65	93887	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.60%
32) Benzene-d6	5.77	84	346496	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.73	67	105492	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.93	98	333295	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
43) trans-1,3-Dichloropropene-	8.21	79	43580	5.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.80%
46) 2-Hexanone-d5	8.67	63	176345	54.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	102106	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	125379	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	144637	5.366	ug/L	98
3) Chloromethane	1.54	50	157467	4.656	ug/L	99
5) Vinyl chloride	1.62	62	165916	5.171	ug/L	99
6) Bromomethane	1.87	94	87378	5.450	ug/L	98
8) Chloroethane	1.95	64	102910	5.371	ug/L	95
9) Trichlorofluoromethane	2.16	101	222467	5.501	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	103971	5.366	ug/L	100
12) 1,1-Dichloroethene	2.61	96	93434	5.216	ug/L	93
13) Acetone	2.66	43	151561	43.652	ug/L	95
14) Carbon disulfide	2.82	76	320131	5.326	ug/L	100
15) Methyl Acetate	2.99	43	38367	5.469	ug/L	100
16) Methylene chloride	3.08	84	125609	4.769	ug/L	98
17) Methyl tert-butyl Ether	3.41	73	200497	5.222	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	99265	5.290	ug/L	97
19) 1,1-Dichloroethane	3.92	63	188205	5.433	ug/L	100
21) 2-Butanone	4.76	43	231588	49.915	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	106442	5.289	ug/L	98

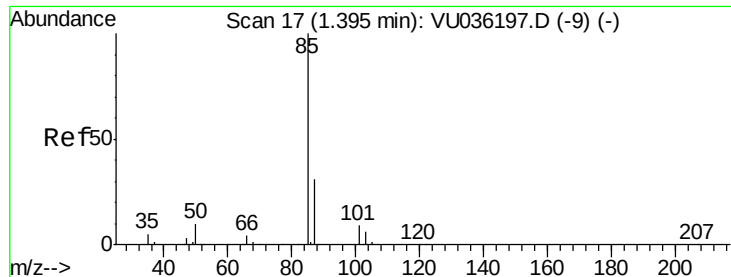
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	53729	5.517	ug/L	97
25) Chloroform	5.14	83	216180	5.769	ug/L	97
27) 1,2-Dichloroethane	5.84	62	122404	5.508	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	172381	5.430	ug/L	100
30) Cyclohexane	5.43	56	138256	5.119	ug/L	98
31) Carbon tetrachloride	5.57	117	156876	5.420	ug/L	99
33) Benzene	5.82	78	433958	5.476	ug/L	100
34) Trichloroethene	6.58	95	105951	5.186	ug/L	93
35) Methylcyclohexane	6.80	83	141865	4.884	ug/L	97
37) 1,2-Dichloropropane	6.83	63	110413	5.461	ug/L	98
38) Bromodichloromethane	7.14	83	141440	5.375	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	142862	5.187	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	578037	54.661	ug/L	98
42) Toluene	8.00	91	480740	5.660	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	120272	5.198	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	84549	5.581	ug/L	94
47) Tetrachloroethene	8.58	164	98361	5.331	ug/L	96
48) 2-Hexanone	8.72	43	438640	55.581	ug/L	99
49) Dibromochloromethane	8.84	129	104329	5.572	ug/L	98
50) 1,2-Dibromoethane	8.96	107	79967	5.535	ug/L	94
51) Chlorobenzene	9.48	112	296749	5.290	ug/L	96
52) Ethylbenzene	9.60	91	458790	5.378	ug/L	99
53) m,p-Xylene	9.72	106	182307	5.546	ug/L	97
54) o-Xylene	10.13	106	169346	5.342	ug/L	98
55) Styrene	10.14	104	305510	5.445	ug/L	98
56) Isopropylbenzene	10.51	105	435582	5.350	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	107086	5.552	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	74360	5.534	ug/L	98
61) Bromoform	10.32	173	63203	5.643	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	228465	5.249	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	226423	5.245	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	219017	5.281	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	15634	5.676	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	139448	4.275	ug/L	97
68) 1,2,4-trichlorobenzene	13.86	180	86976	4.059	ug/L	97
69) Naphthalene	14.11	128	110499	4.054	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	89062	4.298	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.366 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

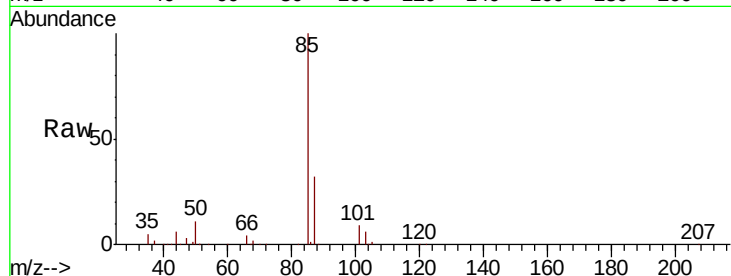
VSTD00514

Tot Ion: 85 Resp: 144637

Ion Ratio Lower Upper

85 100

87 32.0 26.5 39.7



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

Ion 87.00 (86.70 to 87.70): VU036197.D (-9) (-)

1.39

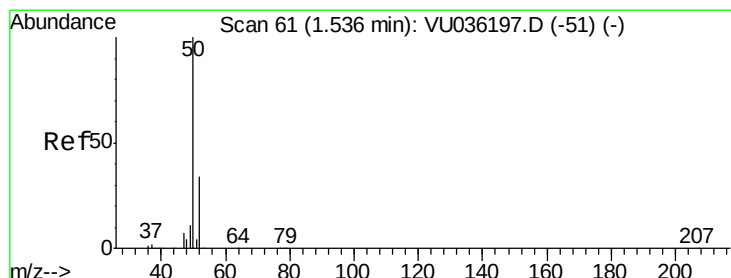
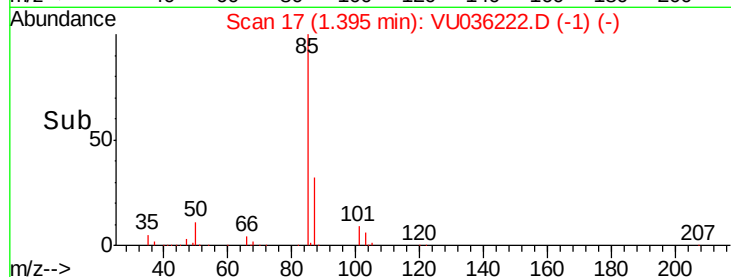
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.656 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036222.D

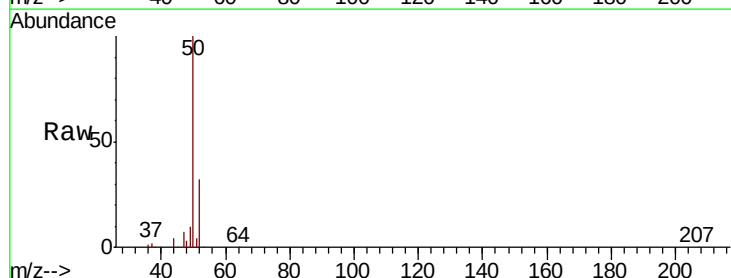
Acq: 14 Dec 2019 01:44

Tgt Ion: 50 Resp: 157467

Ion Ratio Lower Upper

50 100

52 32.3 23.1 42.9



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

Ion 52.05 (51.75 to 52.75): VU036197.D (-51) (-)

1.54

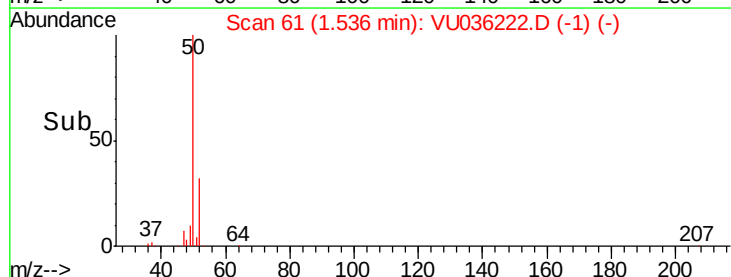
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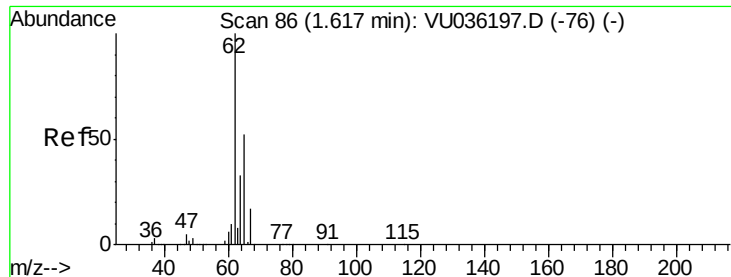
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.171 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

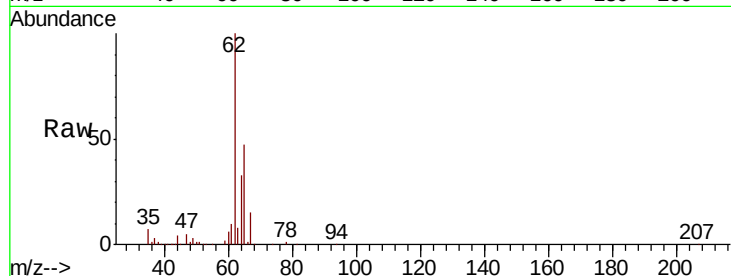
VSTD00514

Tot Ion: 62 Resp: 165916

Ion Ratio Lower Upper

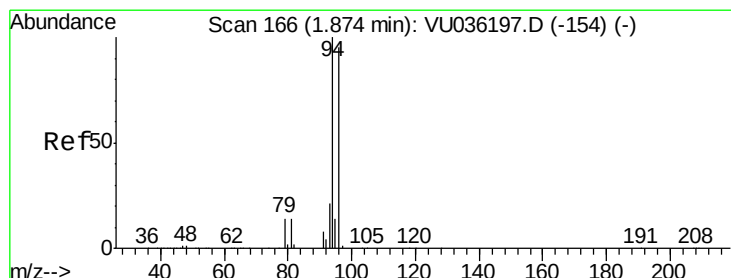
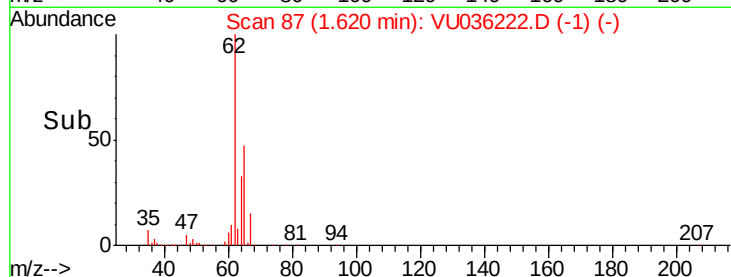
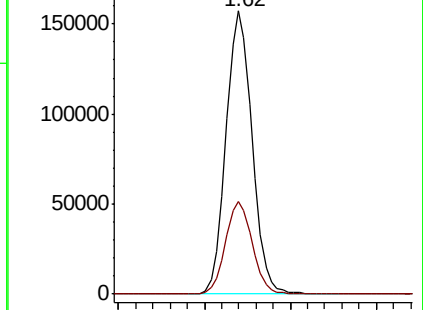
62 100

64 32.6 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: 5.450 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036222.D

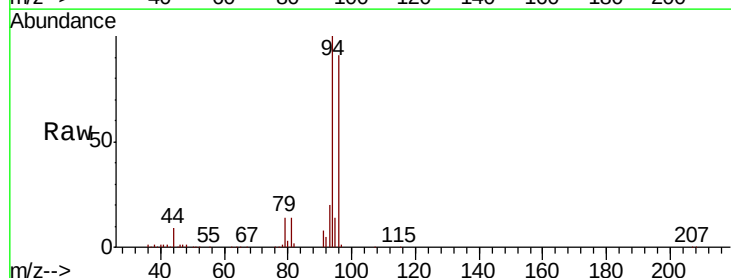
Acq: 14 Dec 2019 01:44

Tgt Ion: 94 Resp: 87378

Ion Ratio Lower Upper

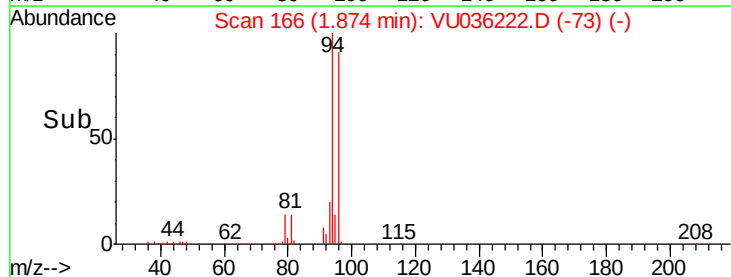
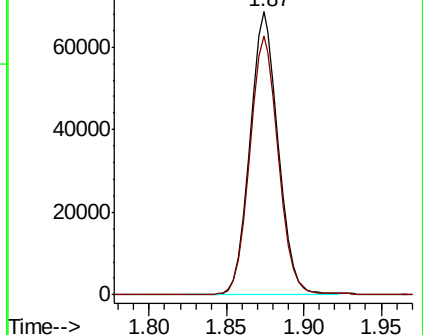
94 100

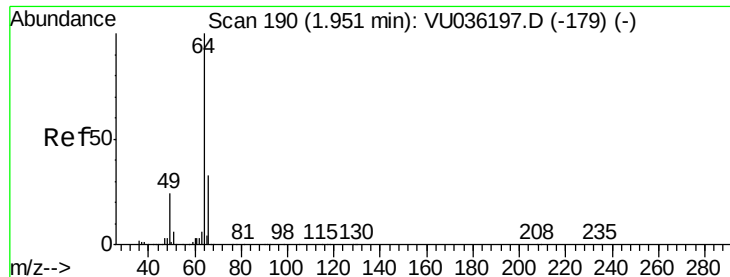
96 91.5 62.9 116.9



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: 5.371 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

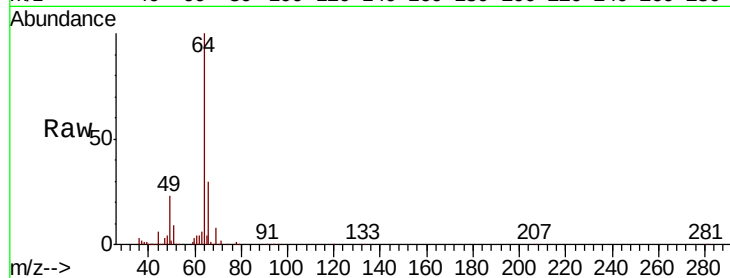
VSTD00514

Tot Ion: 64 Resp: 102910

Ion Ratio Lower Upper

64 100

66 30.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU036197.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU036197.D (-179) (-)

1.95

80000

60000

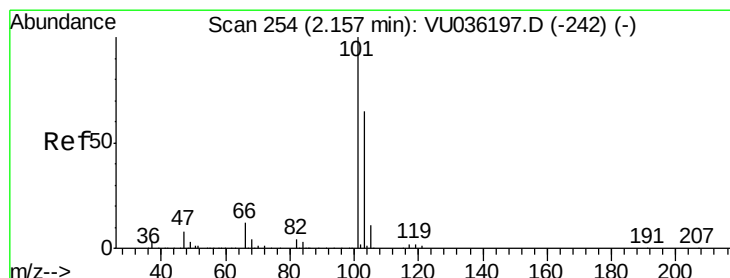
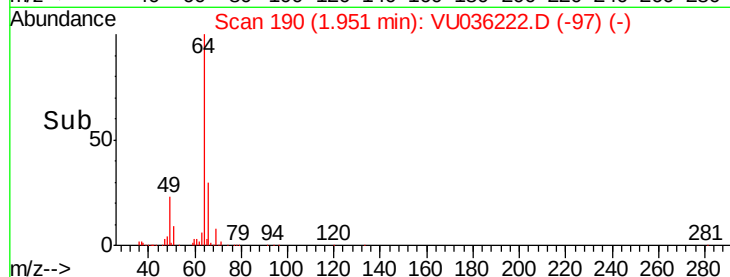
40000

20000

0

1.90 1.95 2.00 2.05

Time-->



#9

Trichlorofluoromethane

Concen: 5.501 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036222.D

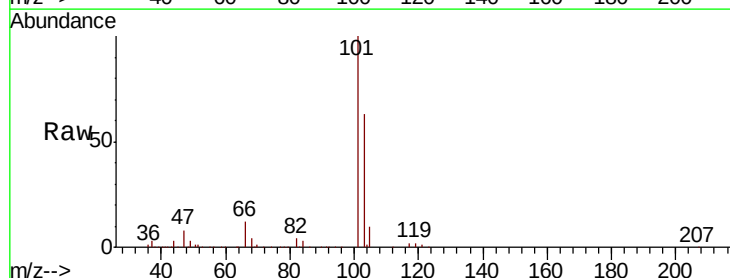
Acq: 14 Dec 2019 01:44

Tgt Ion: 101 Resp: 222467

Ion Ratio Lower Upper

101 100

103 63.9 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): VU036197.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036197.D (-242) (-)

2.16

150000

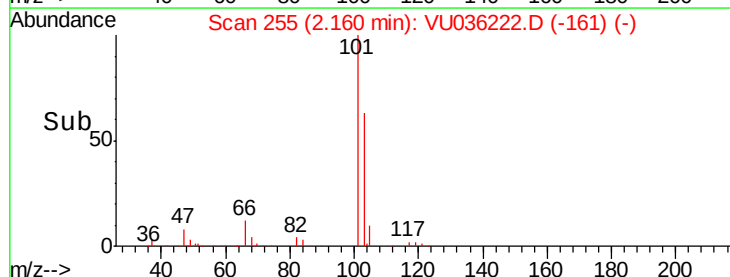
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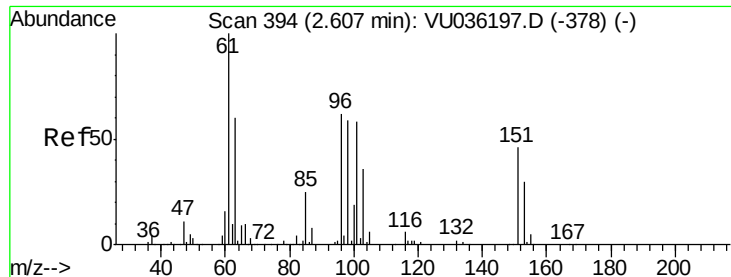
50000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.366 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

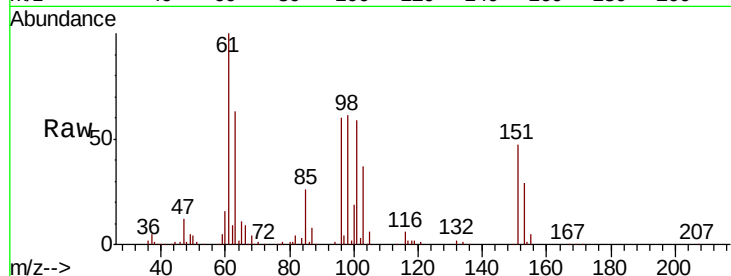
Tot Ion:101 Resp: 103971

Ion Ratio Lower Upper

101 100

85 43.5 35.0 52.6

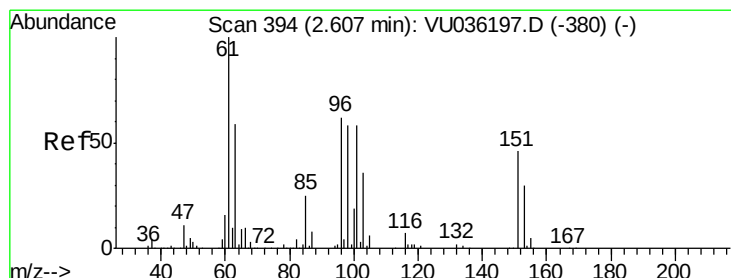
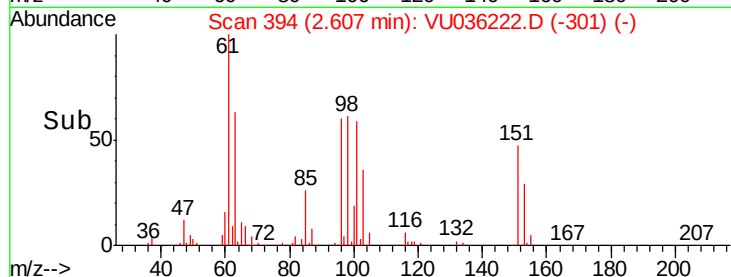
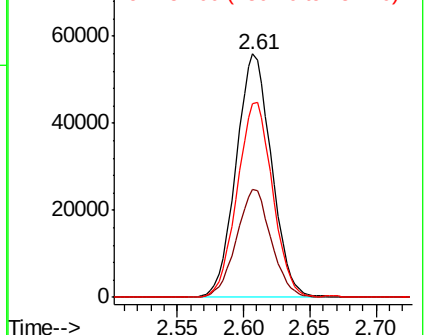
151 79.7 63.9 95.9



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: 5.216 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

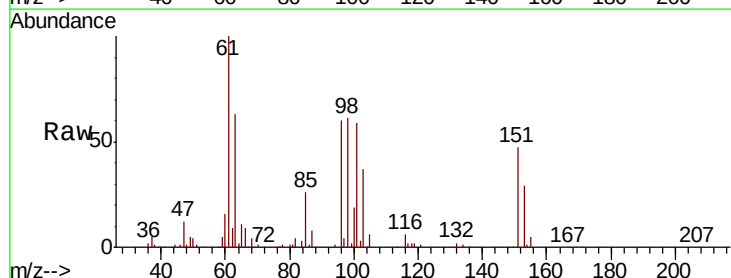
Tgt Ion: 96 Resp: 93434

Ion Ratio Lower Upper

96 100

61 166.5 114.0 211.8

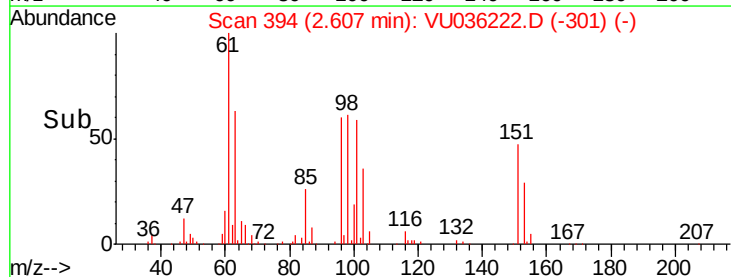
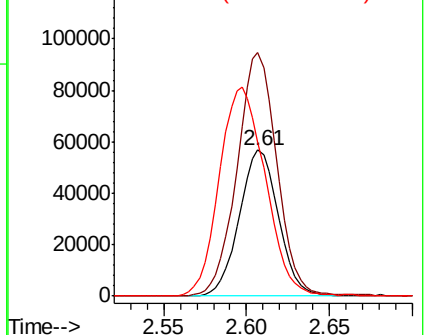
63 105.7 63.6 118.0

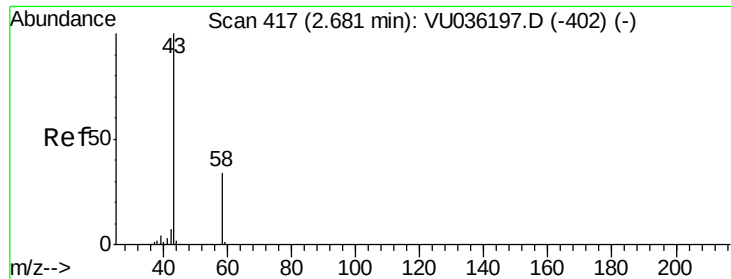


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.652 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

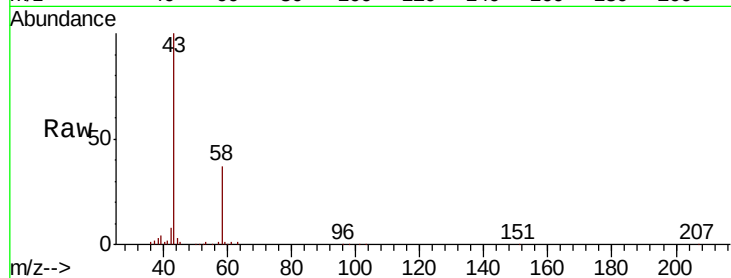
VSTD00514

Tot Ion: 43 Resp: 151561

Ion Ratio Lower Upper

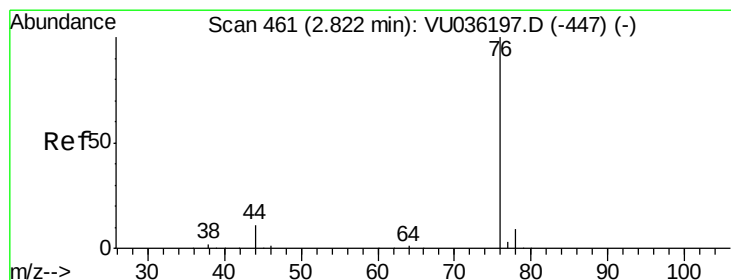
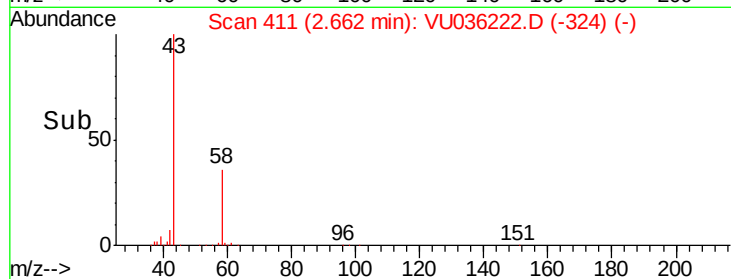
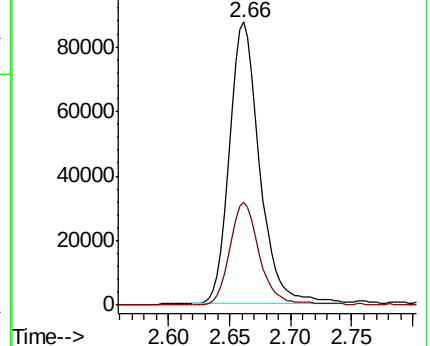
43 100

58 36.5 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036197.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036197.D (-402) (-)



#14

Carbon disulfide

Concen: 5.326 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036222.D

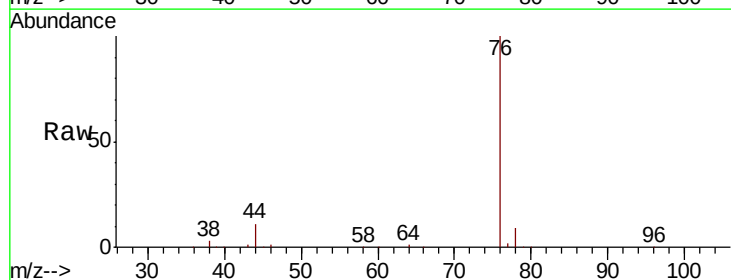
Acq: 14 Dec 2019 01:44

Tgt Ion: 76 Resp: 320131

Ion Ratio Lower Upper

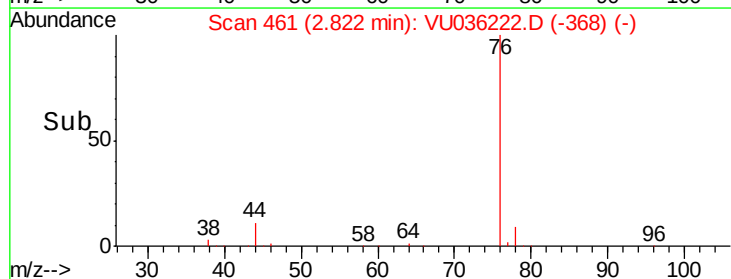
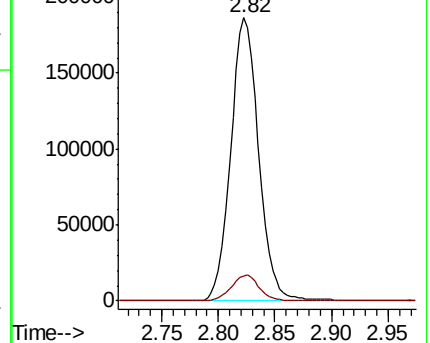
76 100

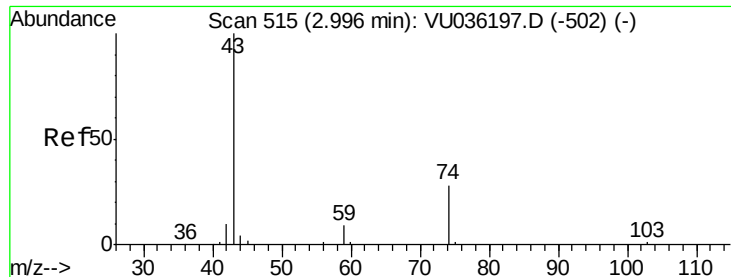
78 9.0 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU036197.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036197.D (-447) (-)

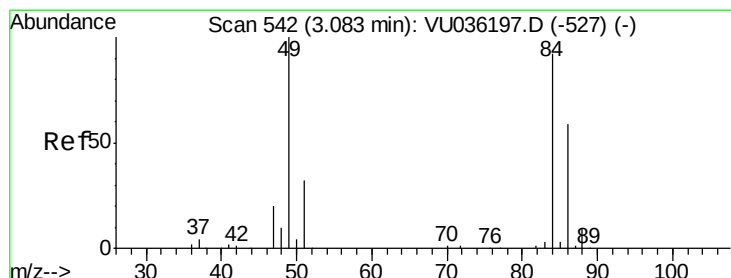
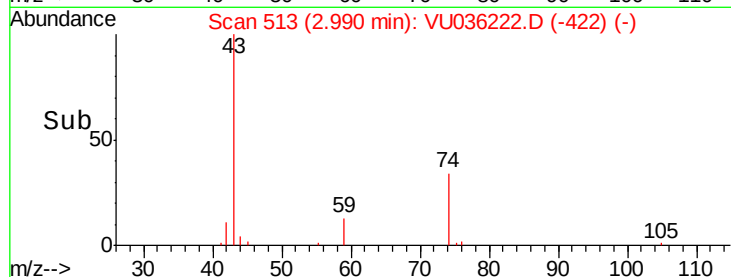
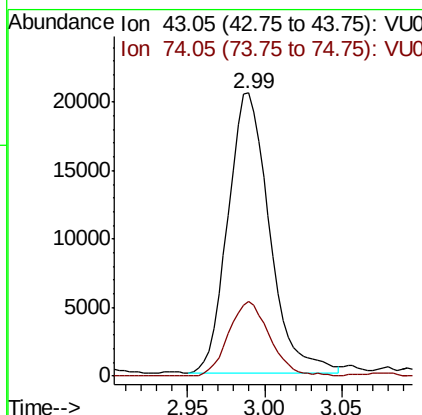
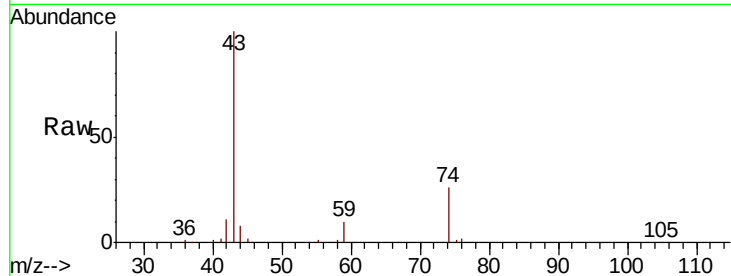




#15
Methvl Acetate
Concen: 5.469 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

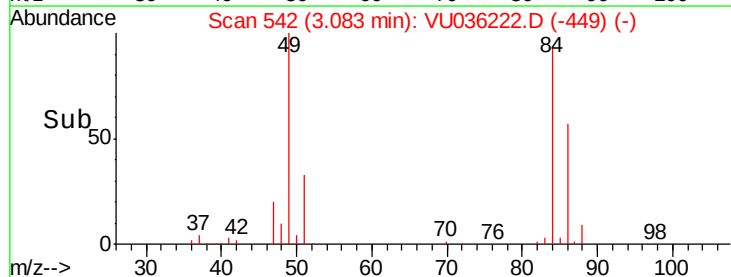
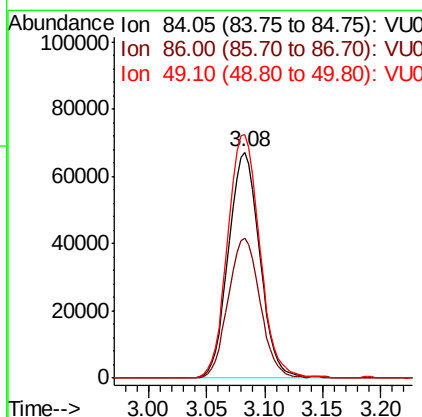
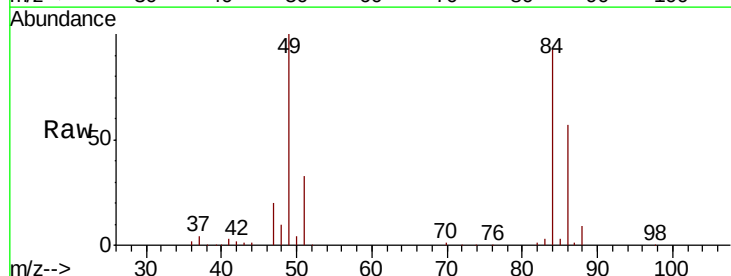
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

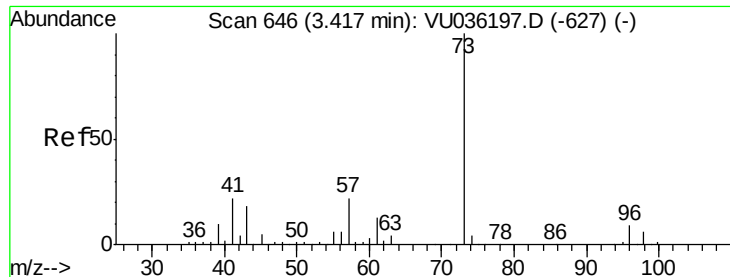
Tot Ion: 43 Resp: 38367
Ion Ratio Lower Upper
43 100
74 26.2 20.8 31.2



#16
Methylene chloride
Concen: 4.769 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Tgt Ion: 84 Resp: 125609
Ion Ratio Lower Upper
84 100
86 62.0 43.0 79.8
49 107.8 77.3 143.5

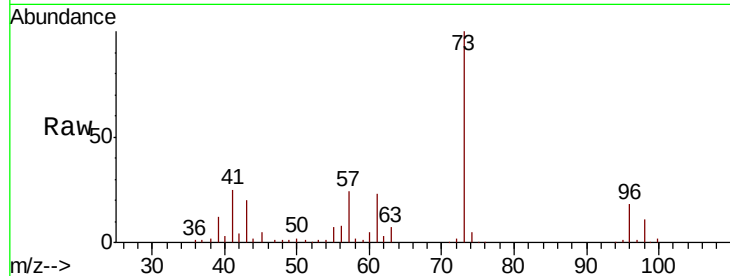




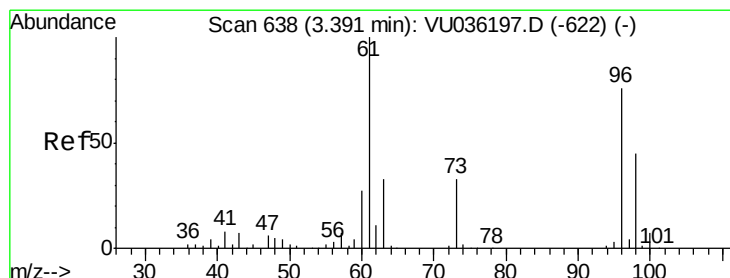
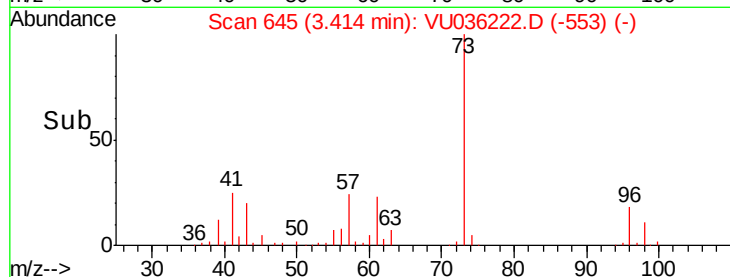
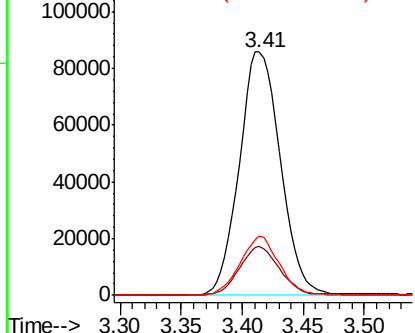
#17
Methyl tert-butyl Ether
Concen: 5.222 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

Tot Ion: 73 Resp: 200497
Ion Ratio Lower Upper
73 100
43 19.6 15.3 22.9
57 23.1 18.2 27.2

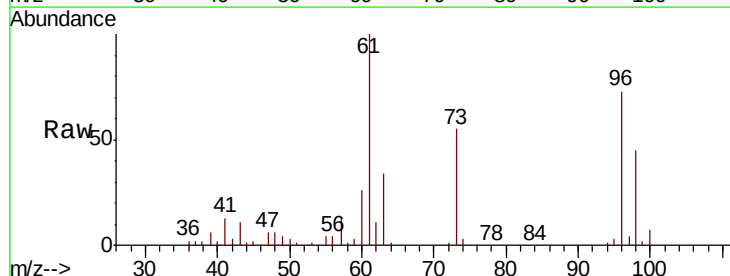


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

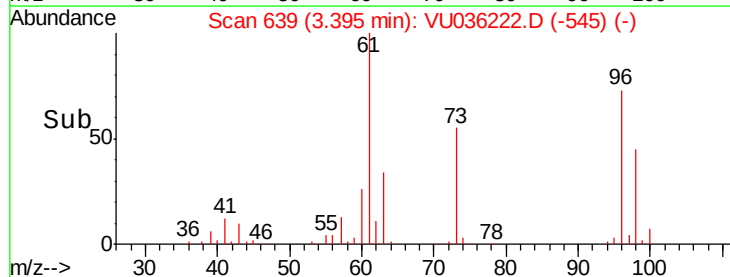
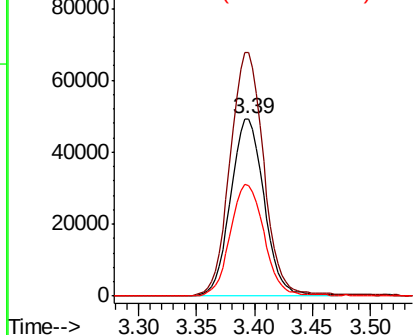


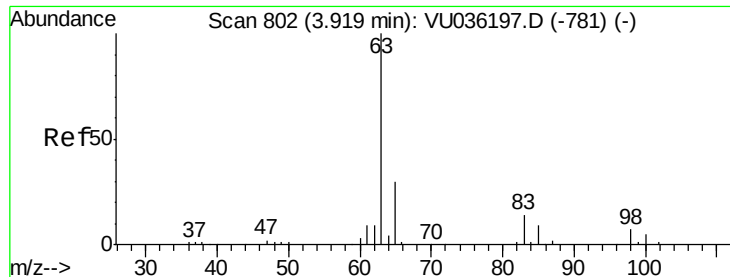
#18
trans-1,2-Dichloroethene
Concen: 5.290 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Tgt Ion: 96 Resp: 99265
Ion Ratio Lower Upper
96 100
61 137.4 94.8 176.2
98 62.2 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

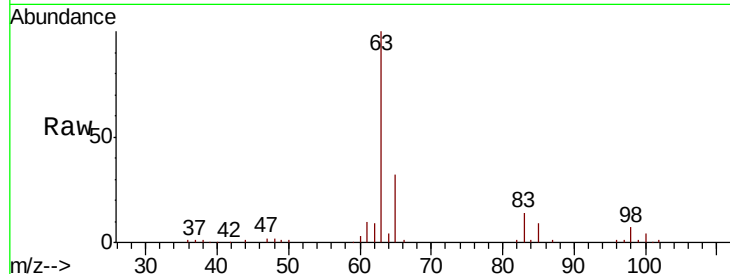




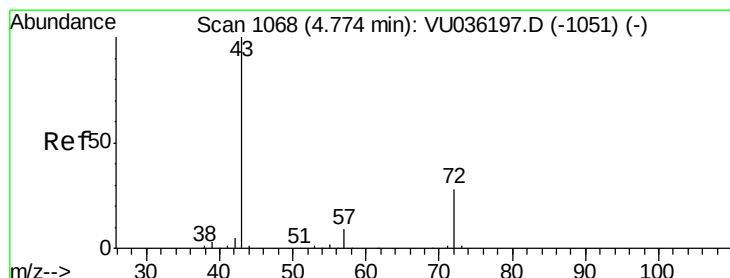
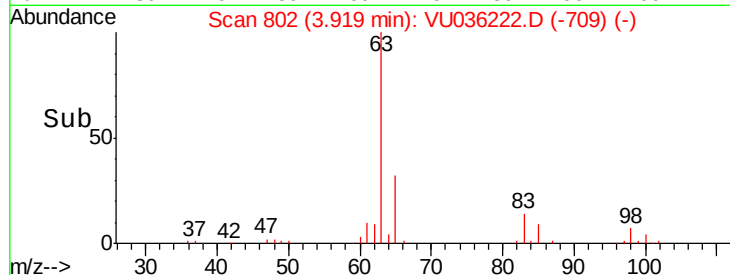
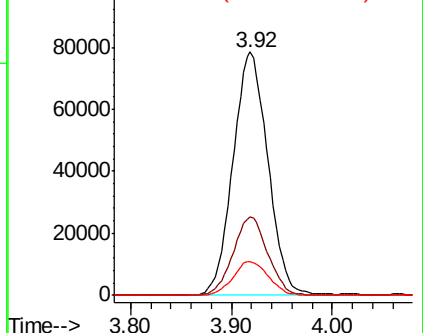
#19
 1,1-Dichloroethane
 Concen: 5.433 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 63 Resp: 188205
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.6 42.0
 83 13.7 9.7 18.1

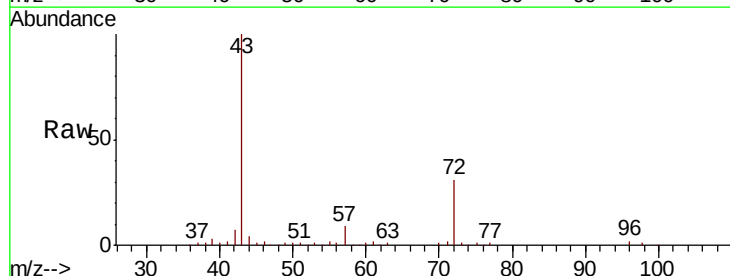


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

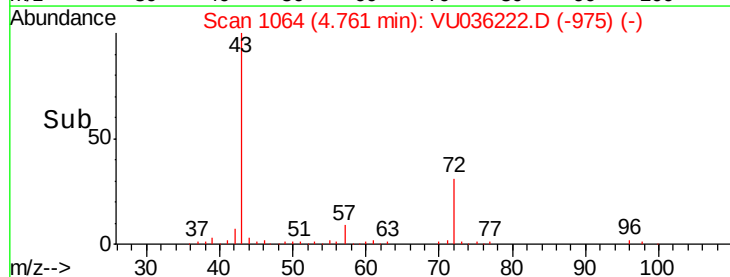
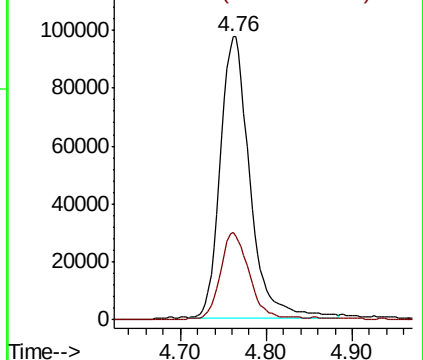


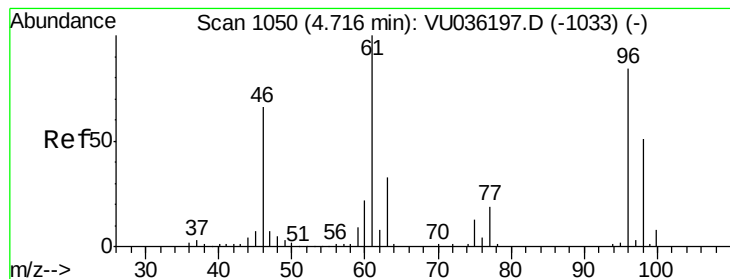
#21
 2-Butanone
 Concen: 49.915 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion: 43 Resp: 231588
 Ion Ratio Lower Upper
 43 100
 72 31.0 14.4 43.4



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





#22

cis-1,2-Dichloroethene

Concen: 5.289 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

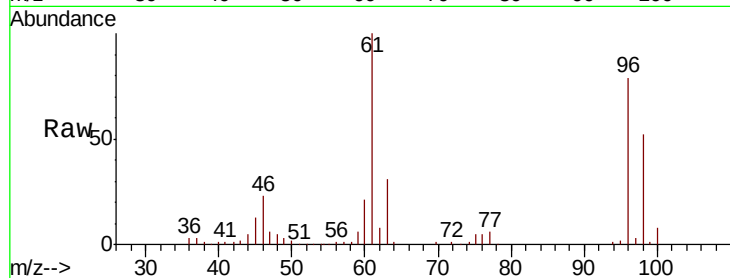
Tot Ion: 96 Resp: 106442

Ion Ratio Lower Upper

96 100

61 126.1 86.7 161.1

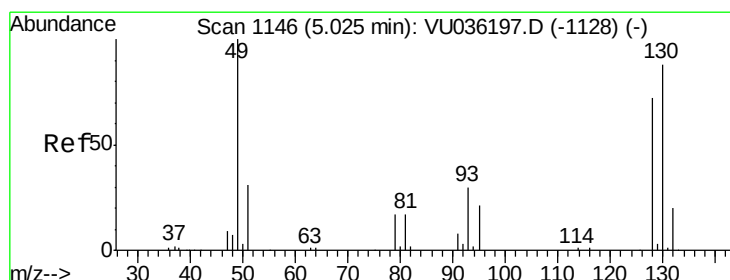
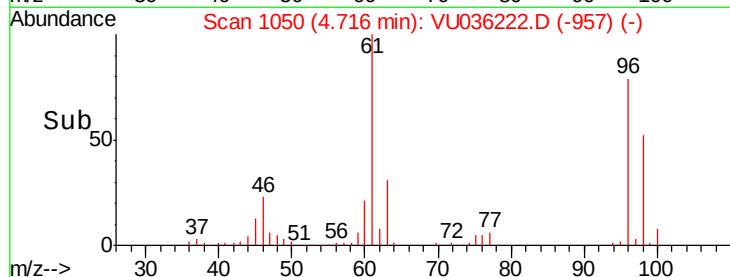
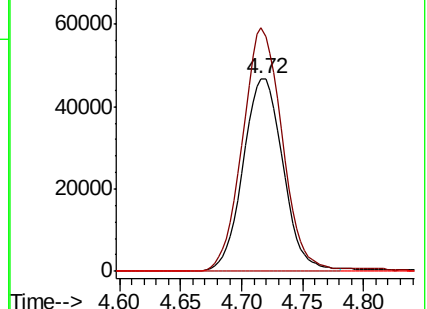
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036222.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036222.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036222.D (-957) (-)



#23

Bromochloromethane

Concen: 5.517 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Tgt Ion: 128 Resp: 53729

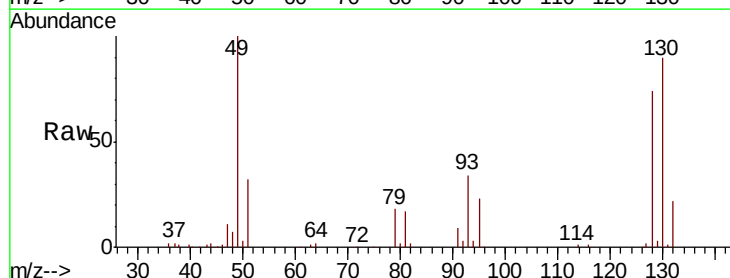
Ion Ratio Lower Upper

128 100

49 134.7 97.6 181.4

130 121.7 85.9 159.5

51 43.3 37.0 55.4

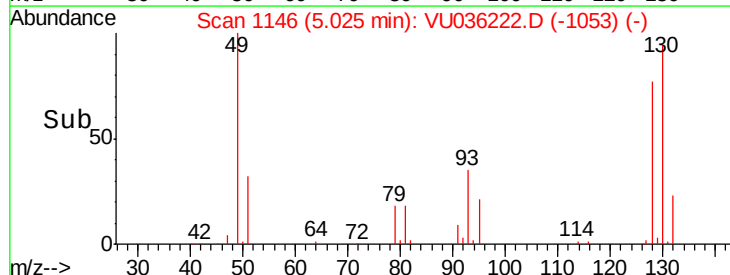
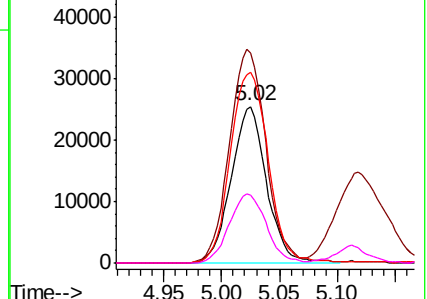


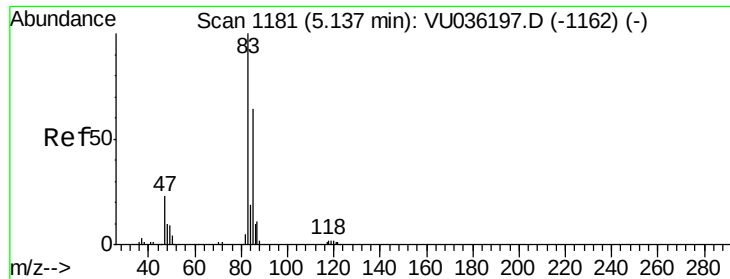
Abundance Ion 127.90 (127.60 to 128.60): VU036222.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU036222.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU036222.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU036222.D (-1053) (-)

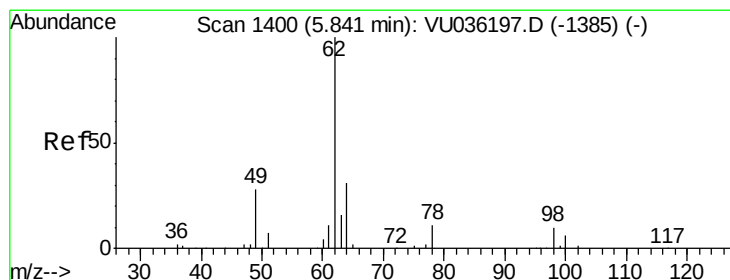
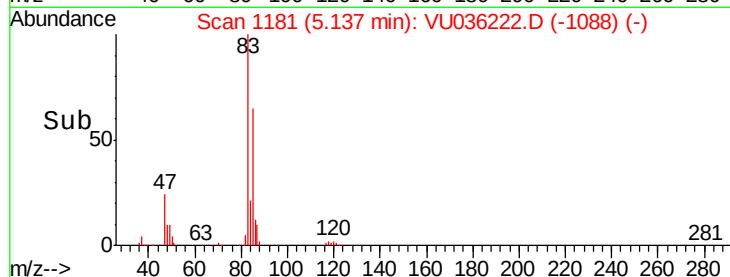
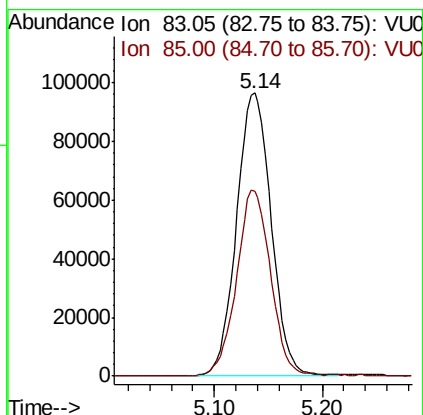
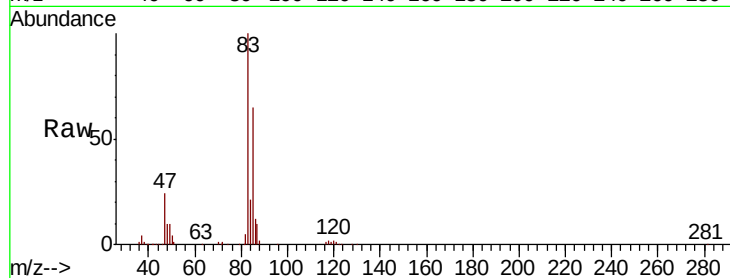




#25
Chloroform
Concen: 5.769 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

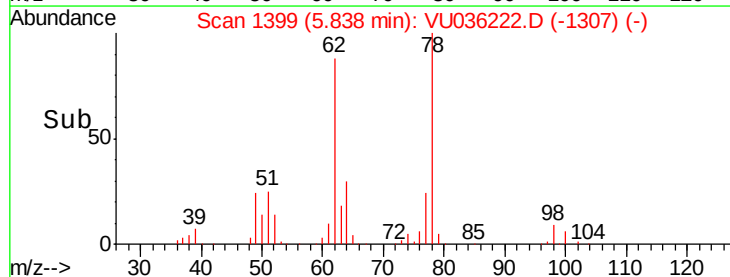
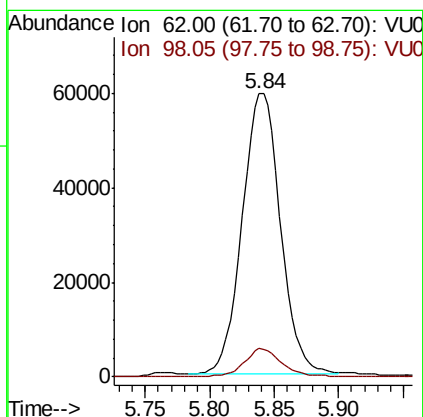
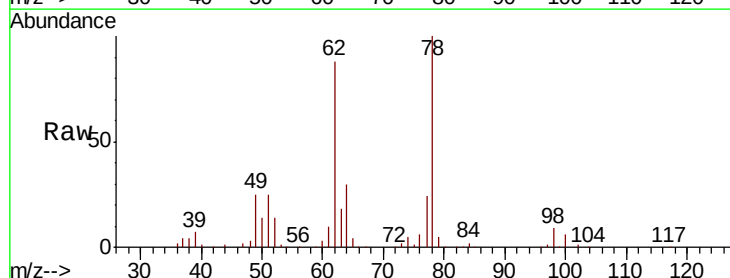
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

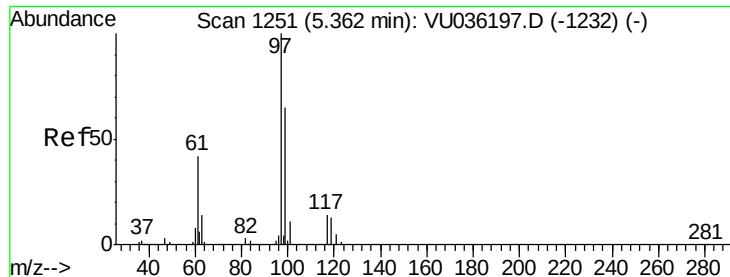
Tot Ion: 83 Resp: 216180
Ion Ratio Lower Upper
83 100
85 65.5 47.5 88.1



#27
1,2-Dichloroethane
Concen: 5.508 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Tgt Ion: 62 Resp: 122404
Ion Ratio Lower Upper
62 100
98 10.2 7.3 10.9

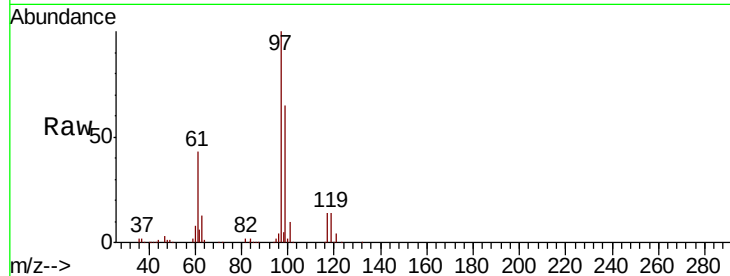




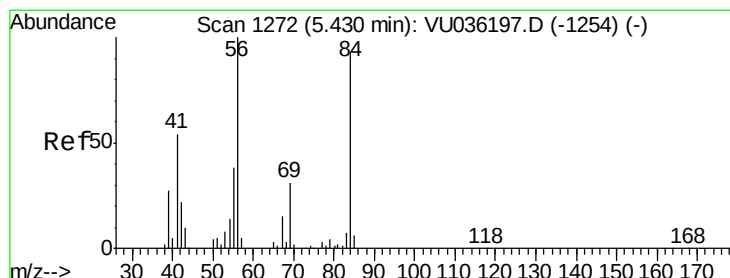
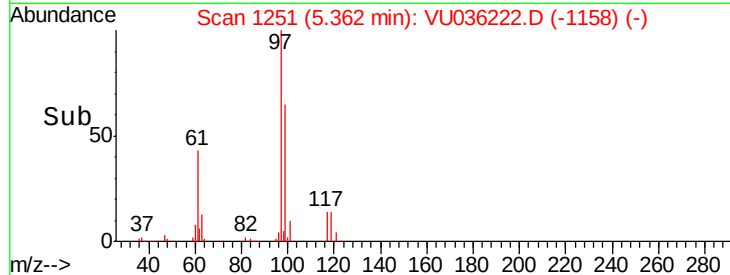
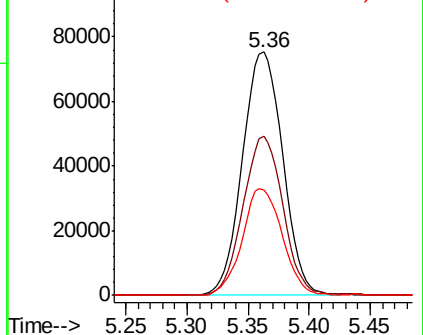
#29
 1,1,1-Trichloroethane
 Concen: 5.430 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion: 97 Resp: 172381
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.4 77.2
 61 43.6 35.0 52.6

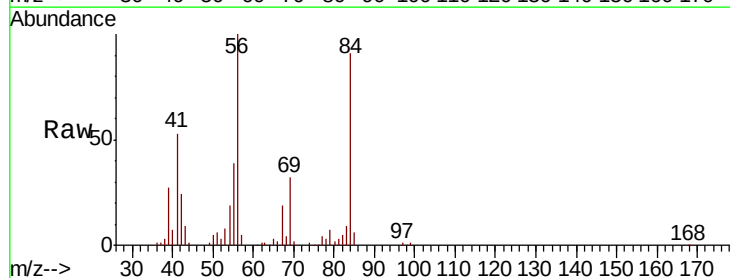


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

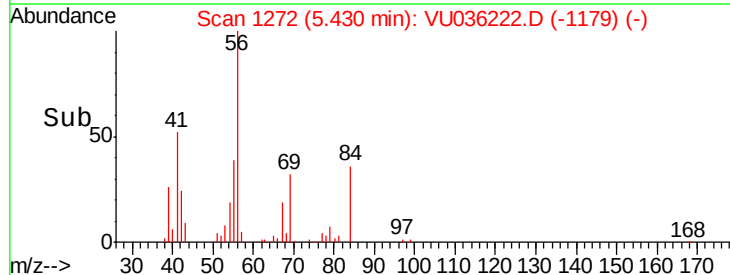
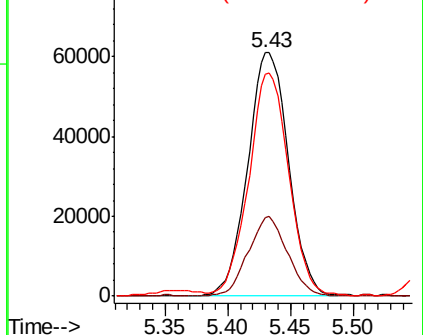


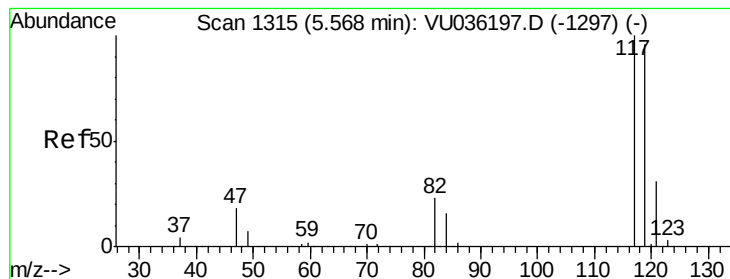
#30
 Cyclohexane
 Concen: 5.119 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion: 56 Resp: 138256
 Ion Ratio Lower Upper
 56 100
 69 31.3 25.6 38.4
 84 89.1 73.0 109.4



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





#31

Carbon tetrachloride

Concen: 5.420 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

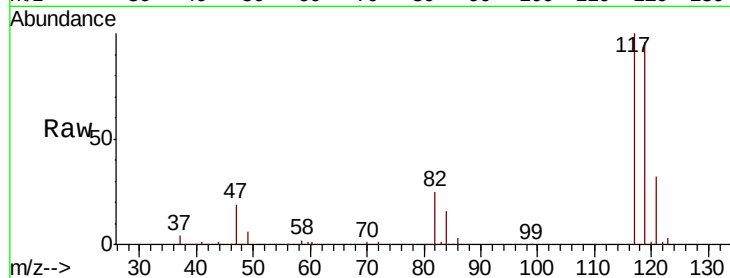
VSTD00514

Tot Ion:117 Resp: 156876

Ion Ratio Lower Upper

117 100

119 95.4 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

80000

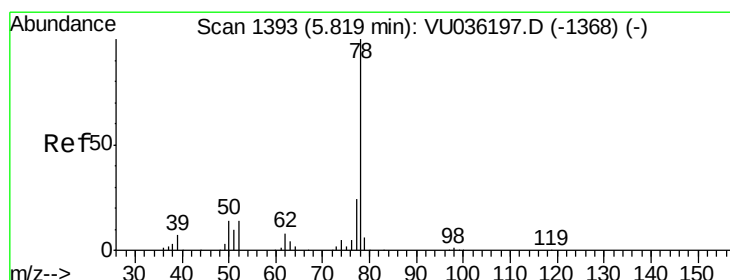
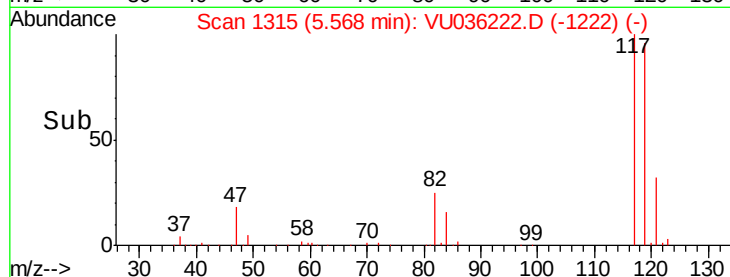
60000

40000

20000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.476 ug/L

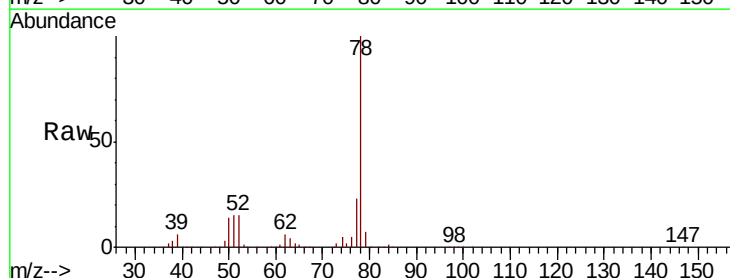
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Tgt Ion: 78 Resp: 433958



Abundance Ion 78.10 (77.80 to 78.80): VU0

250000

200000

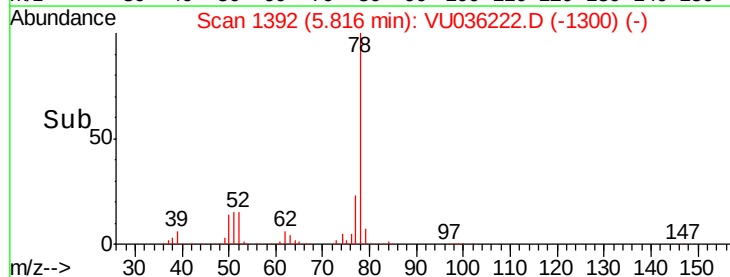
150000

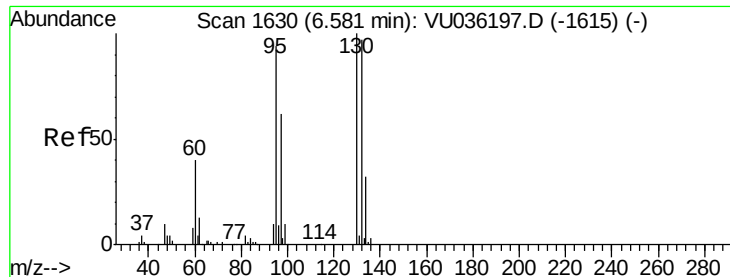
100000

50000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.186 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 95 Resp: 105951

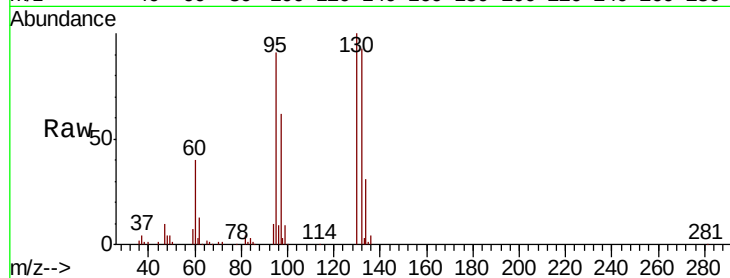
Ion Ratio Lower Upper

95 100

97 68.0 43.6 81.0

132 102.7 69.6 129.2

130 110.3 70.3 130.7

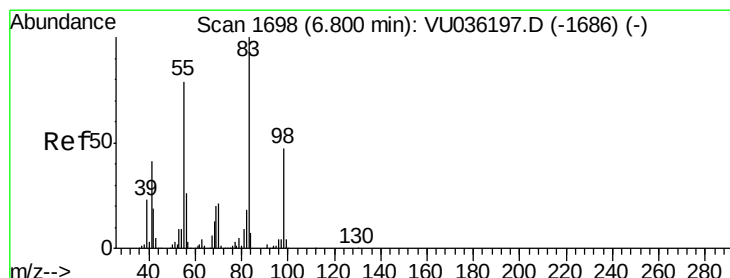
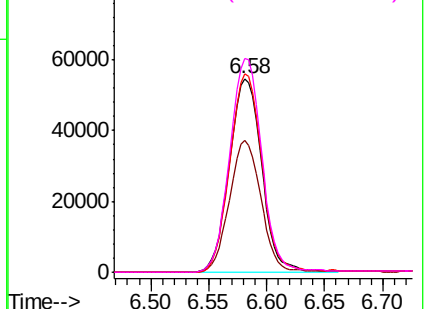
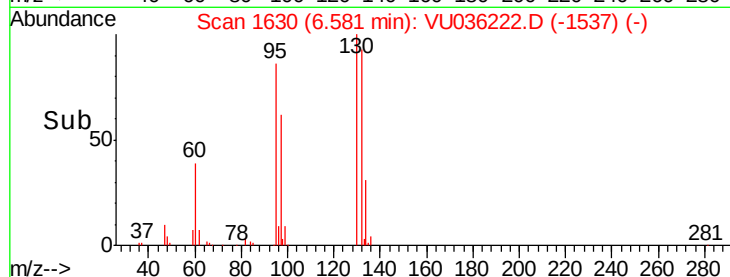


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.884 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

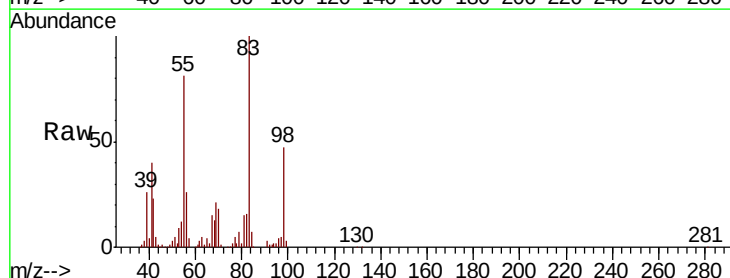
Tgt Ion: 83 Resp: 141865

Ion Ratio Lower Upper

83 100

55 82.4 62.6 94.0

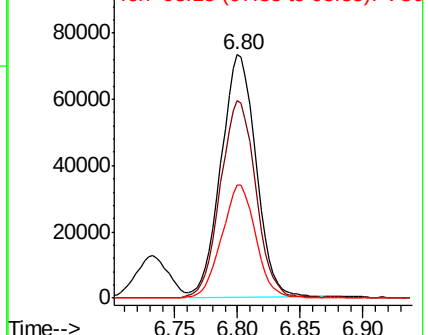
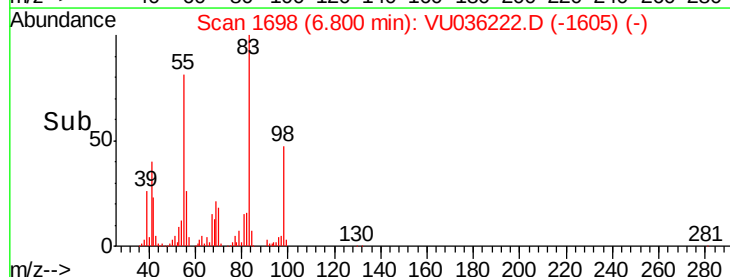
98 45.6 36.2 54.2

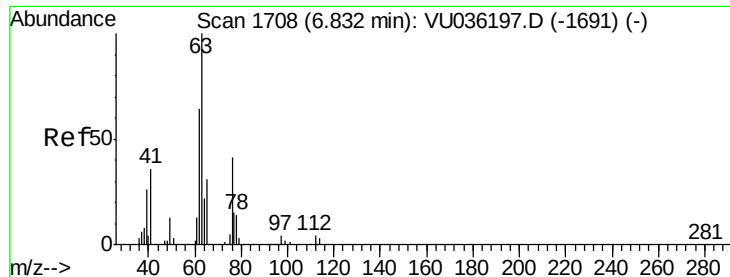


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

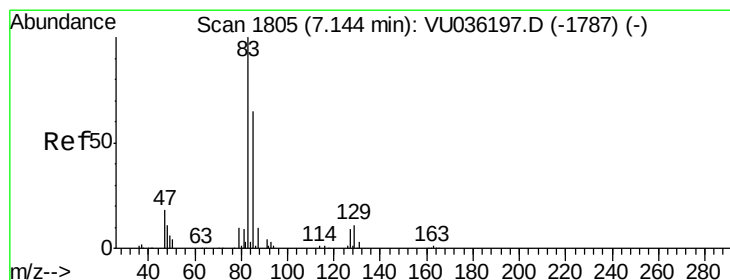
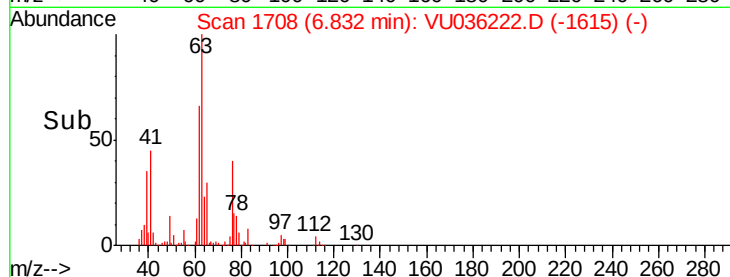
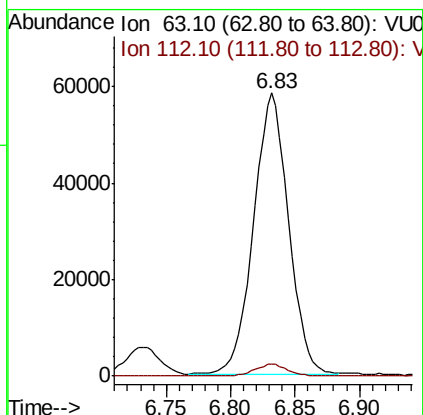
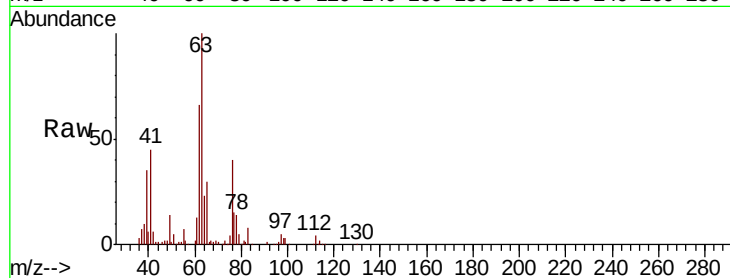




#37
 1,2-Dichloropropane
 Concen: 5.461 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

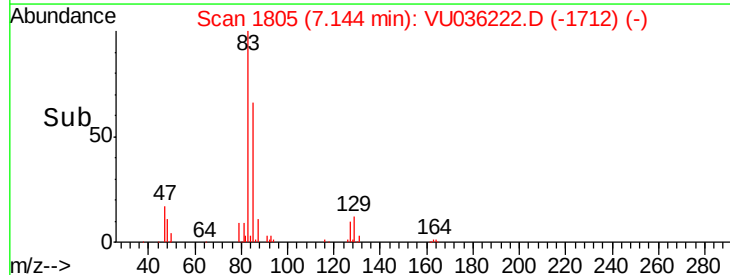
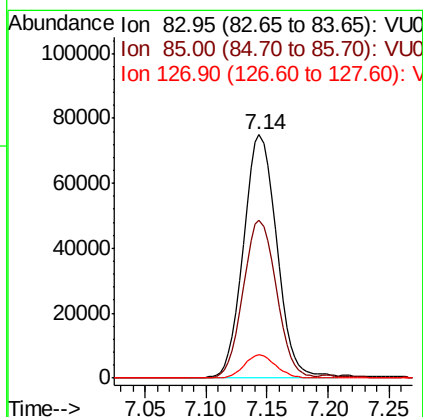
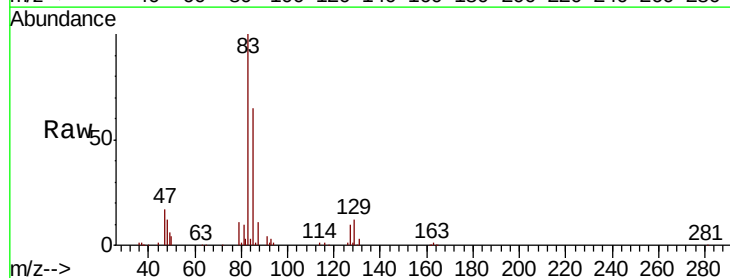
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

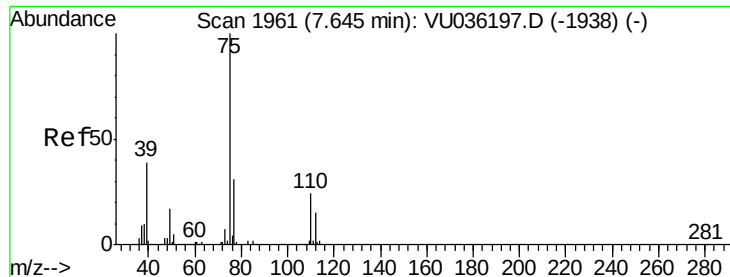
Tot Ion: 63 Resp: 110413
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 5.375 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion: 83 Resp: 141440
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.6 84.6
 127 9.6 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 5.187 ug/L

RT: 7.64 min Scan# 1960

Delta R.T. -0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

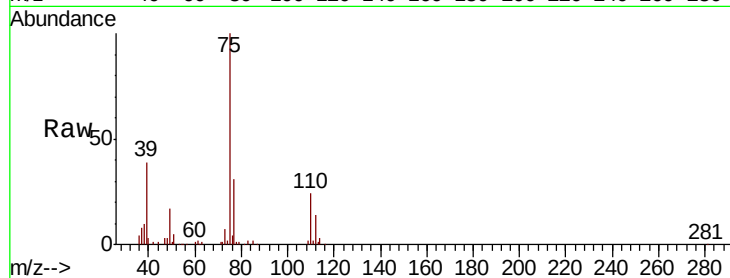
VSTD00514

Tot Ion: 75 Resp: 142862

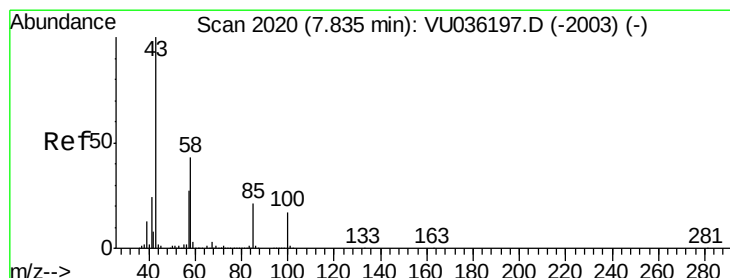
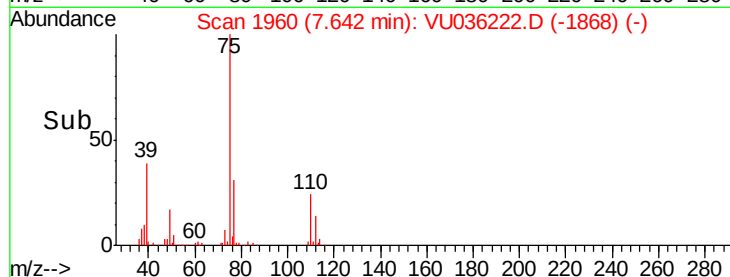
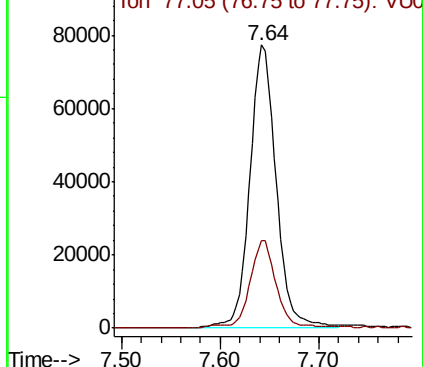
Ion Ratio Lower Upper

75 100

77 31.1 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU036222.D (-1868) (-)



#40

4-Methyl-2-pentanone

Concen: 54.661 ug/L

RT: 7.84 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

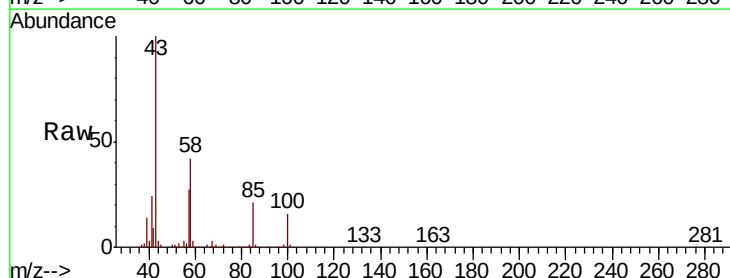
Tgt Ion: 43 Resp: 578037

Ion Ratio Lower Upper

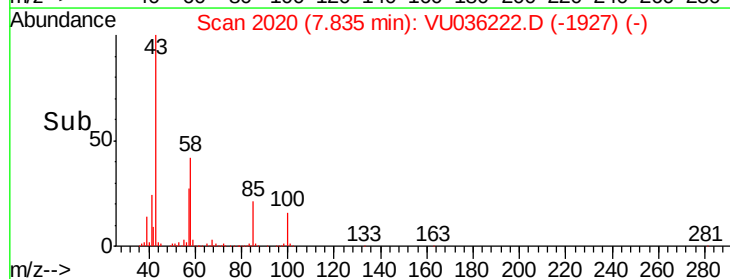
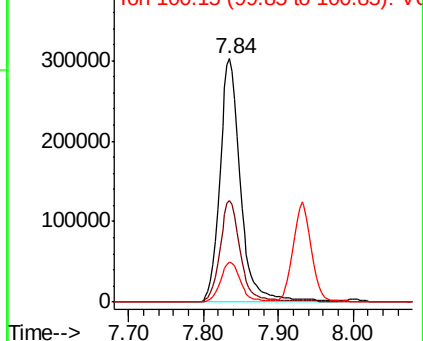
43 100

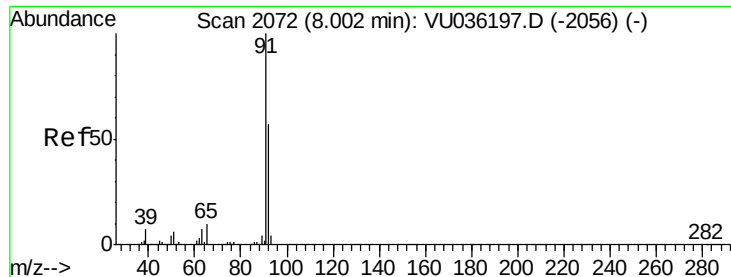
58 40.8 33.3 49.9

100 16.0 13.7 20.5



Abundance Ion 43.05 (42.75 to 43.75): VU036222.D (-1927) (-)





#42

Toluene

Concen: 5.660 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

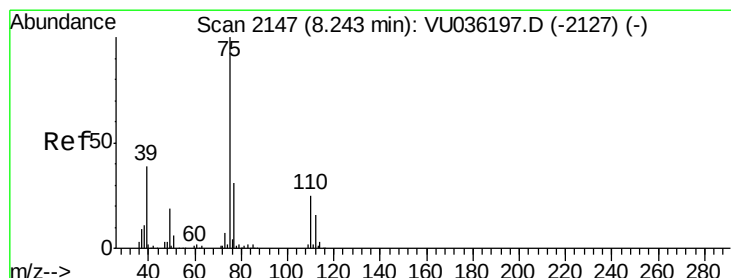
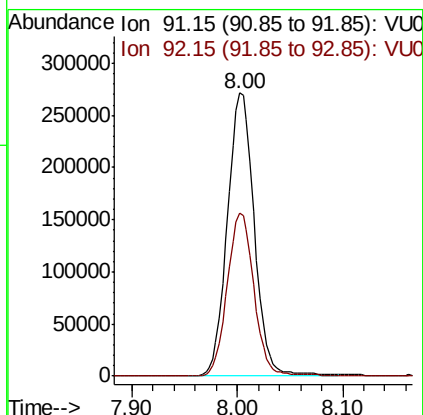
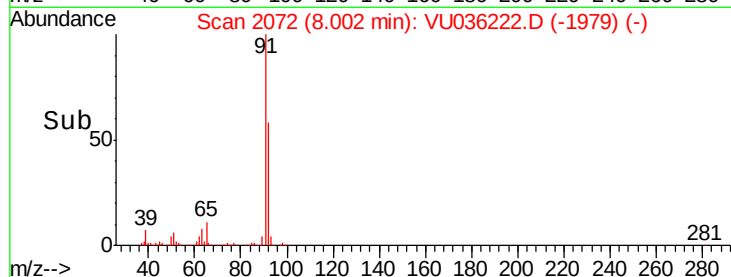
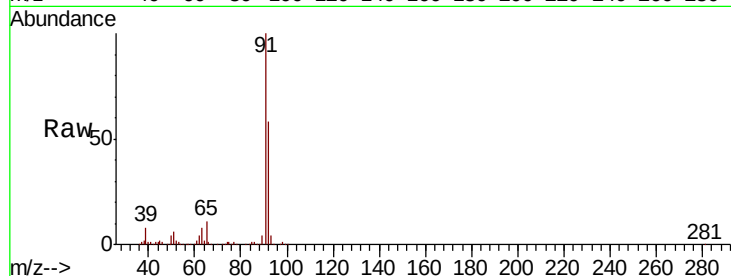
VSTD00514

Tot Ion: 91 Resp: 480740

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.198 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036222.D

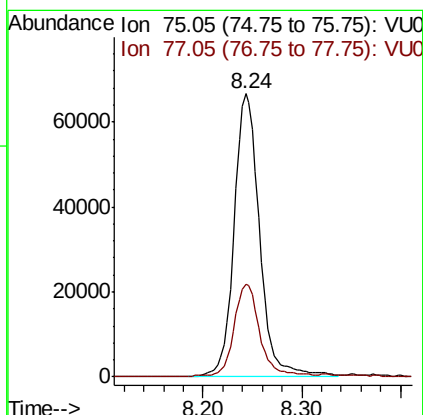
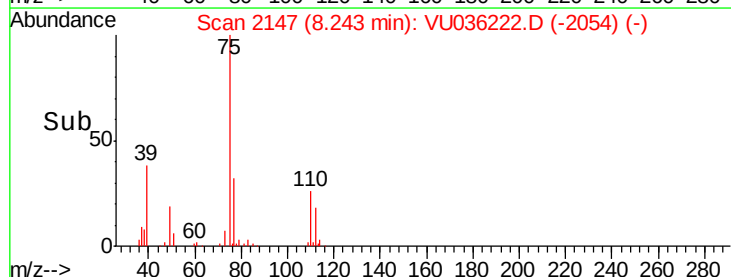
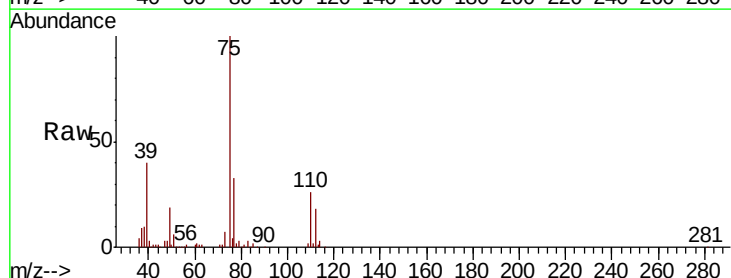
Acq: 14 Dec 2019 01:44

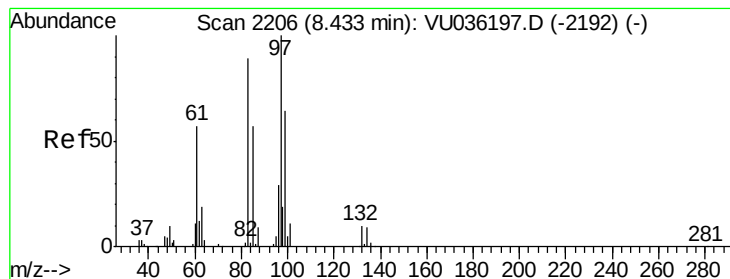
Tgt Ion: 75 Resp: 120272

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.581 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

Tot Ion: 97 Resp: 84549

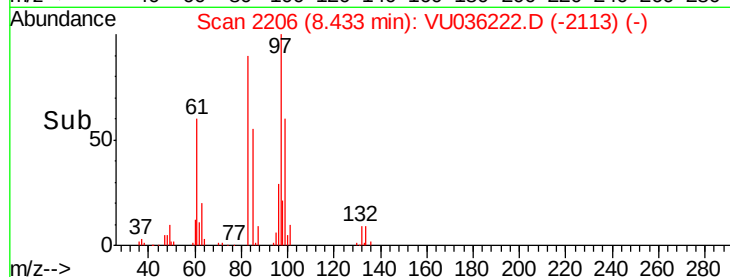
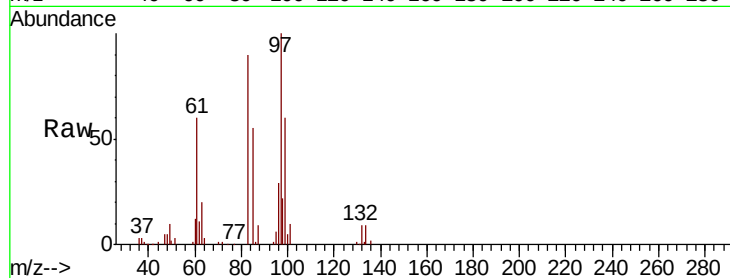
Ion Ratio Lower Upper

97 100

99 60.1 46.1 85.5

83 90.1 65.9 122.3

85 55.2 43.1 80.1

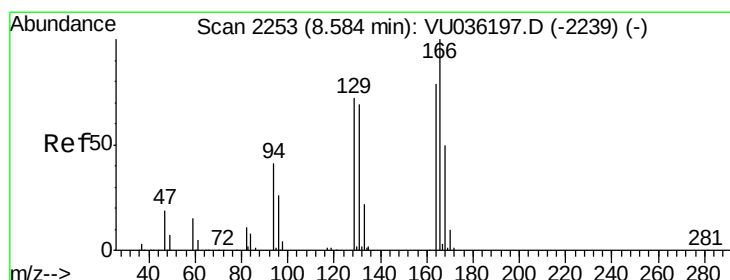
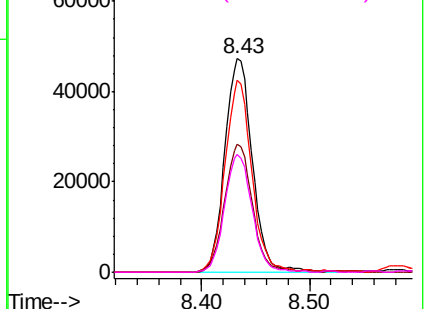


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.331 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Tgt Ion: 164 Resp: 98361

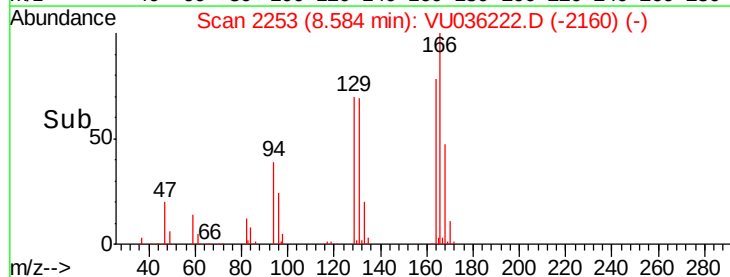
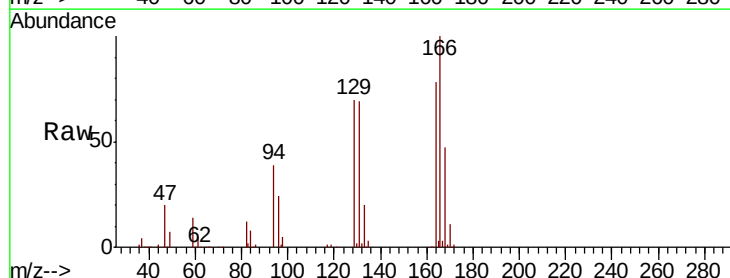
Ion Ratio Lower Upper

164 100

129 89.7 64.2 119.2

131 88.0 66.6 123.8

166 128.4 93.1 172.9

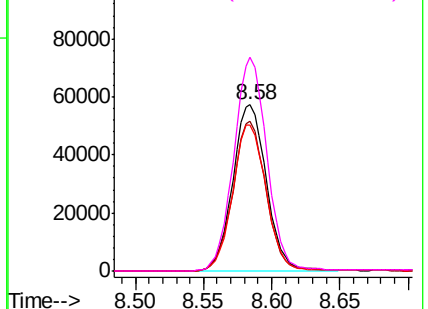


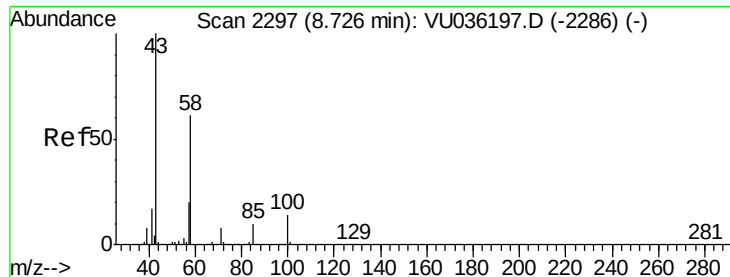
Abundance Ion 163.90 (163.60 to 164.60): V

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

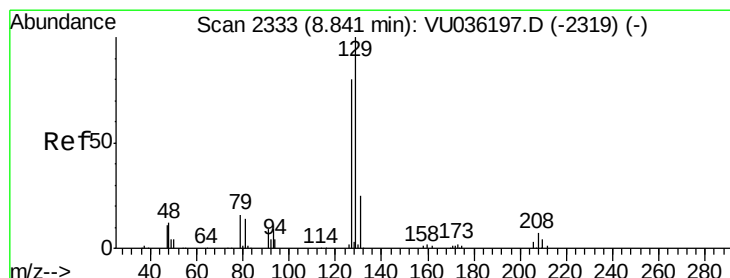
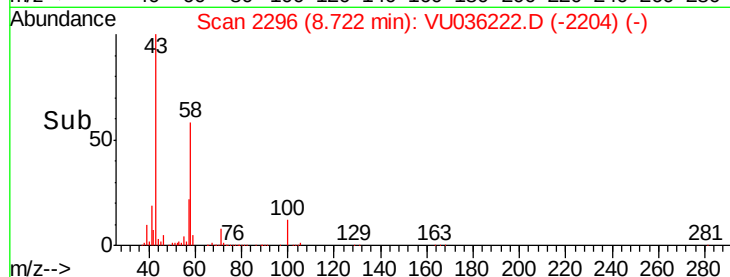
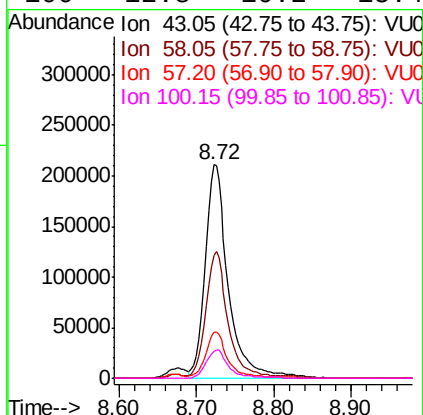
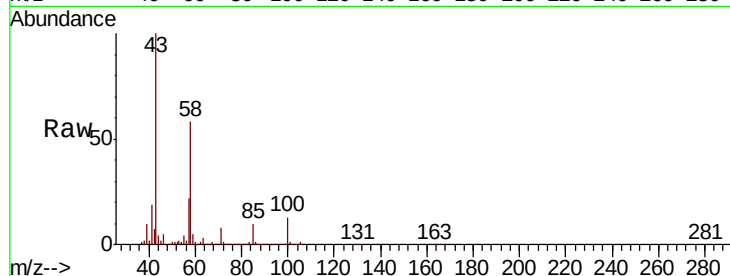




#48
2-Hexanone
Concen: 55.581 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

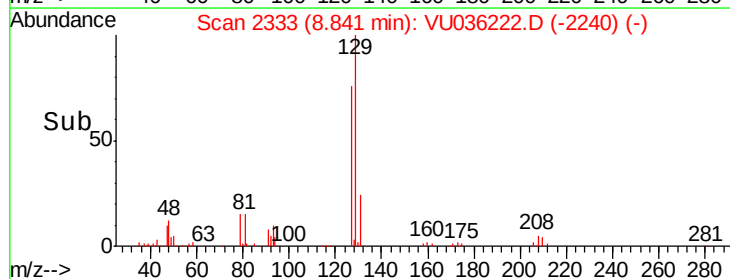
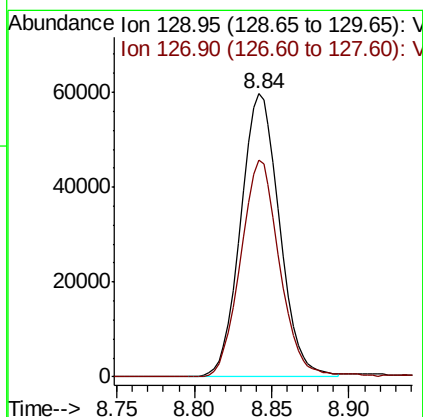
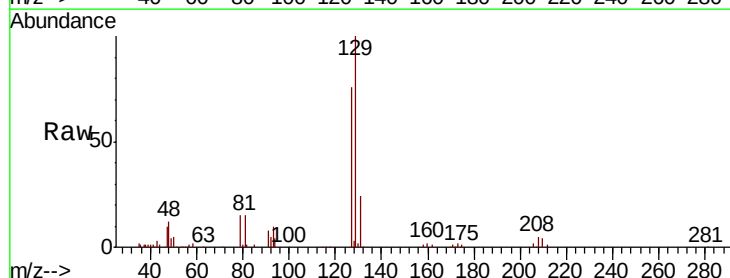
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

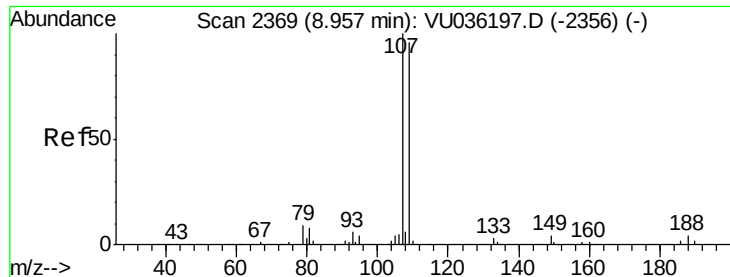
Tot Ion:	43	Resp:	438640
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.2	69.2
57	21.4	16.2	24.4
100	12.8	10.2	15.4



#49
Dibromochloromethane
Concen: 5.572 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Tgt Ion:	129	Resp:	104329
Ion	Ratio	Lower	Upper
129	100		
127	76.4	52.6	97.6

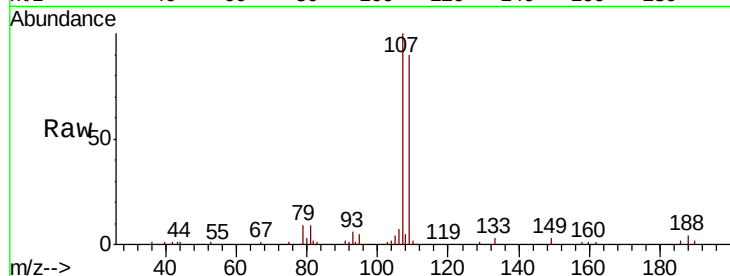




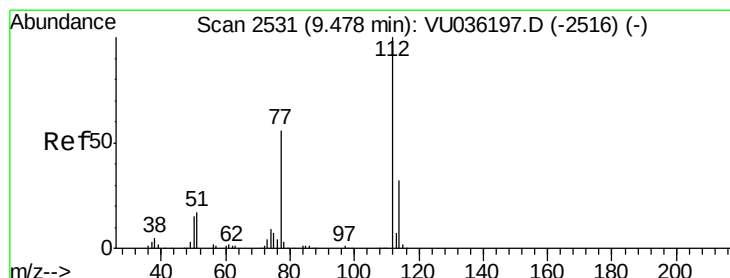
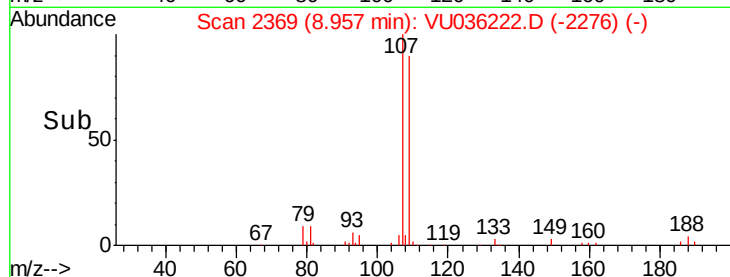
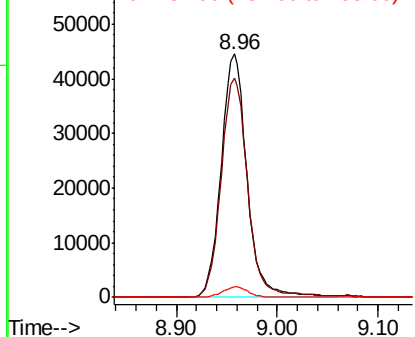
#50
 1,2-Dibromoethane
 Concen: 5.535 ug/L
 RT: 8.96 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	67.5	125.4
188	4.2	3.1	4.7

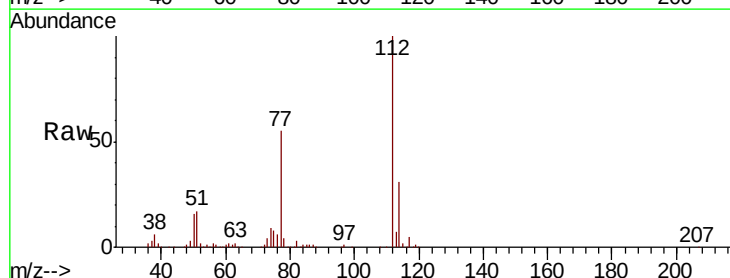


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

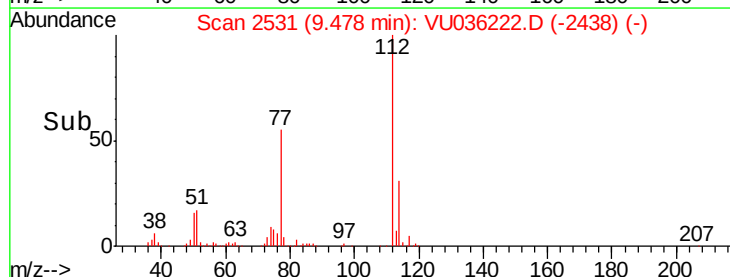
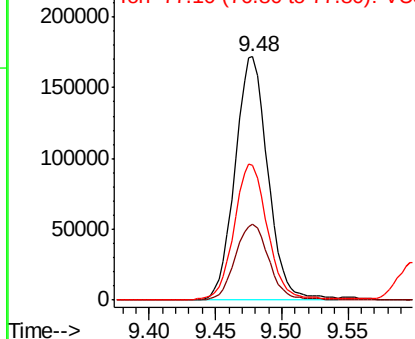


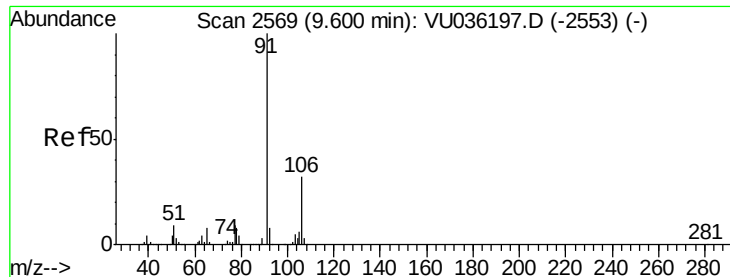
#51
 Chlorobenzene
 Concen: 5.290 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	23.2	43.2
77	55.2	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): VU





#52

Ethylbenzene

Concen: 5.378 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

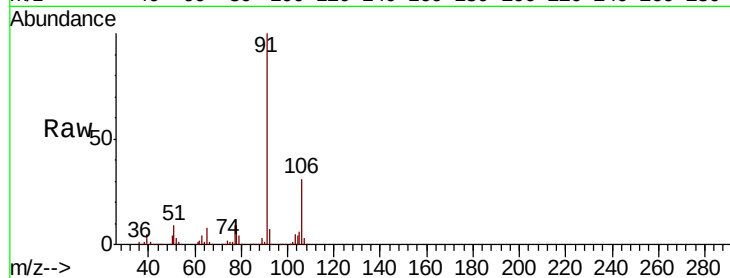
VSTD00514

Tot Ion: 91 Resp: 458790

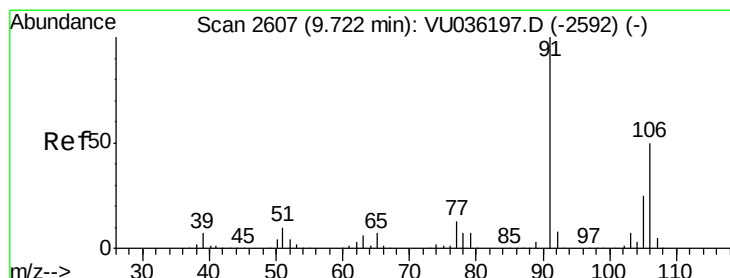
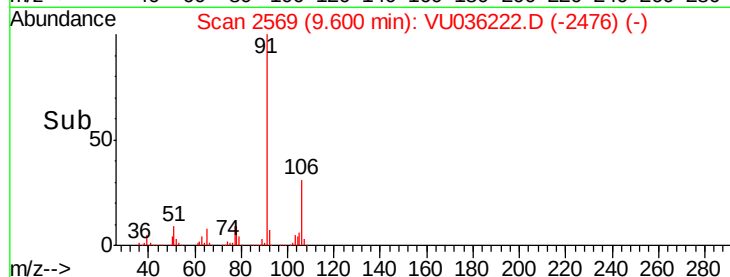
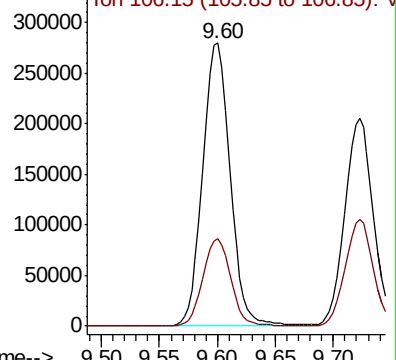
Ion Ratio Lower Upper

91 100

106 30.7 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VU036197.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.546 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU036222.D

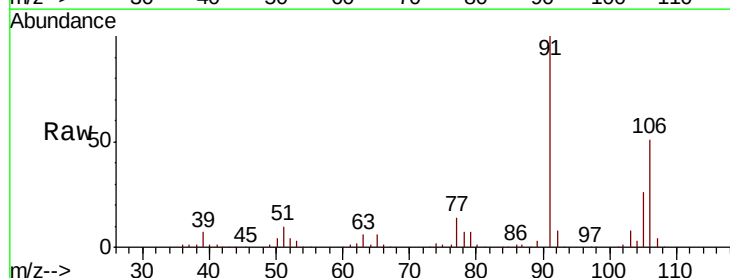
Acq: 14 Dec 2019 01:44

Tgt Ion: 106 Resp: 182307

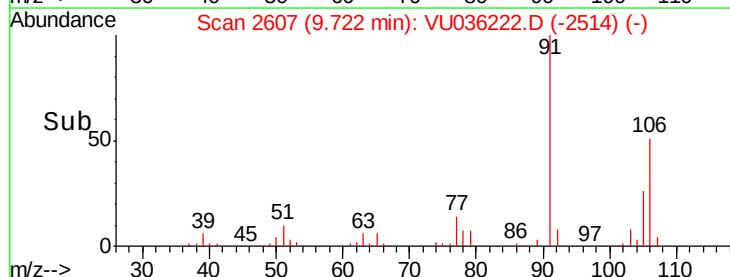
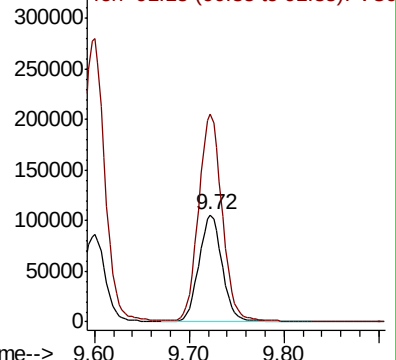
Ion Ratio Lower Upper

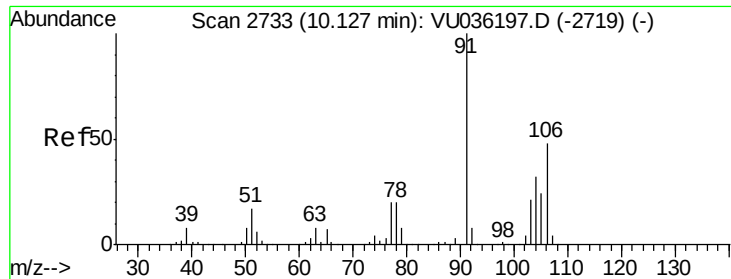
106 100

91 194.4 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): VU036197.D (-2592) (-)

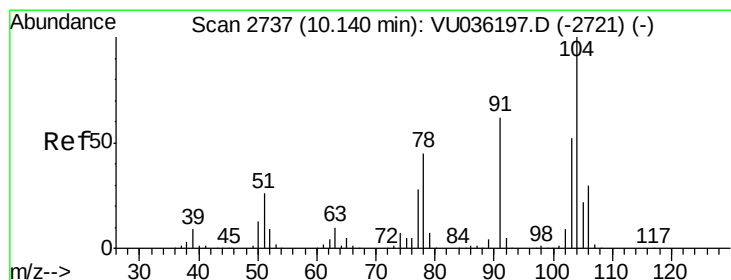
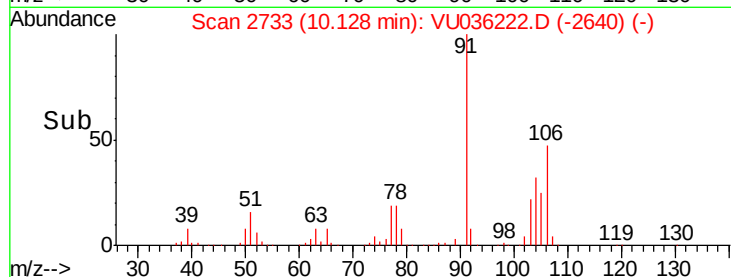
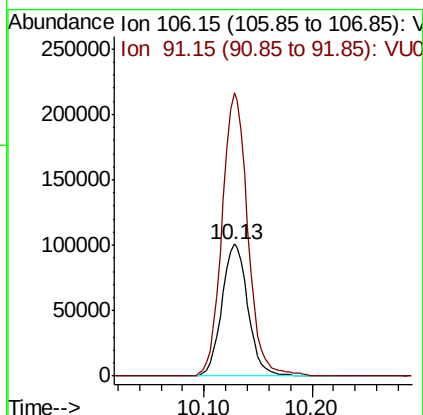
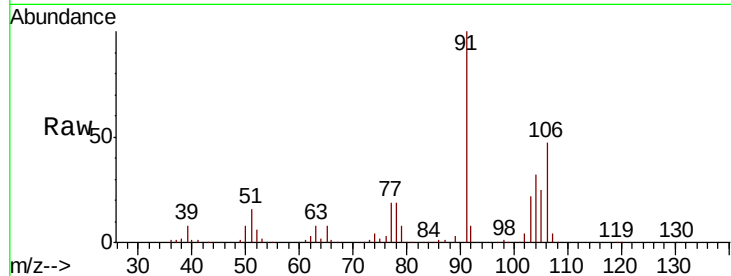




#54
o-Xylene
Concen: 5.342 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

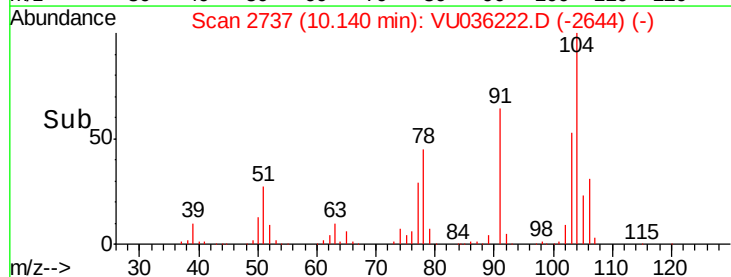
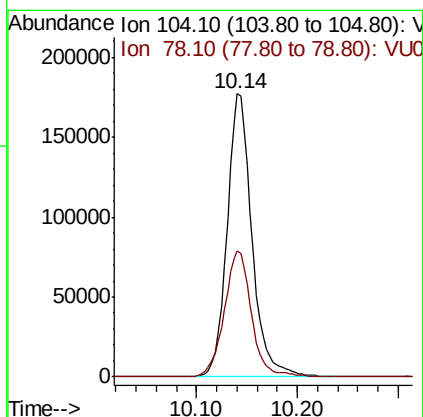
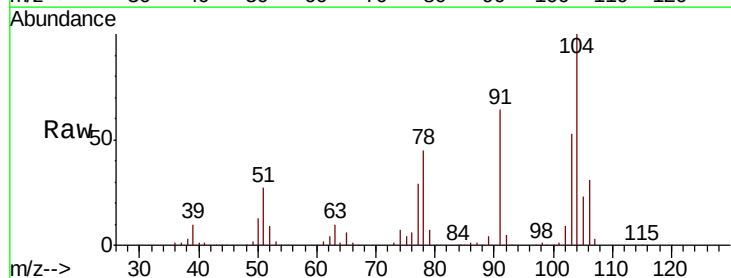
Instrument :
MSVOA_U
ClientSampleId :
VSTD00514

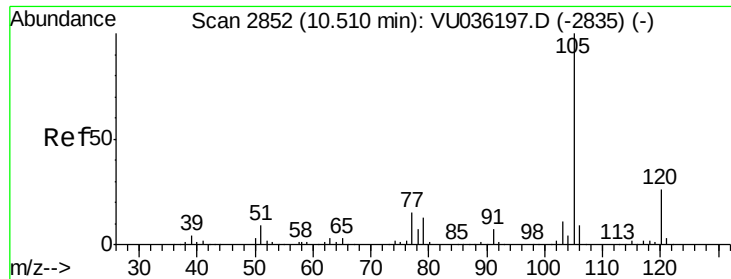
Tot Ion:106 Resp: 169346
Ion Ratio Lower Upper
106 100
91 214.5 152.8 283.8



#55
Styrene
Concen: 5.445 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036222.D
Acq: 14 Dec 2019 01:44

Tgt Ion:104 Resp: 305510
Ion Ratio Lower Upper
104 100
78 44.6 32.1 59.5





#56

Isopropylbenzene

Concen: 5.350 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

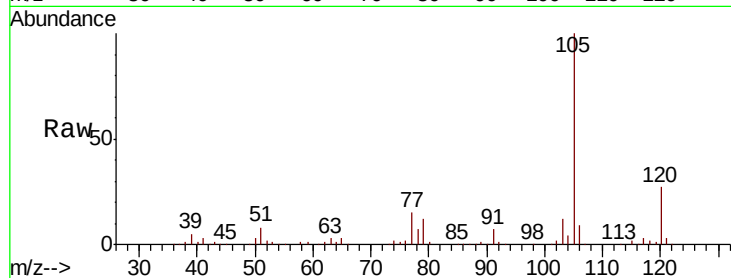
Tot Ion:105 Resp: 435582

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

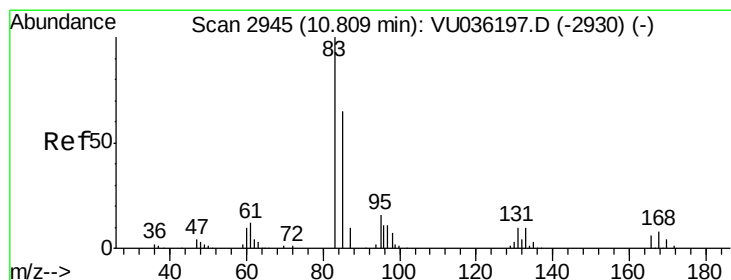
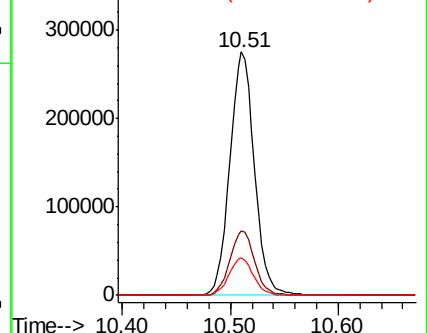
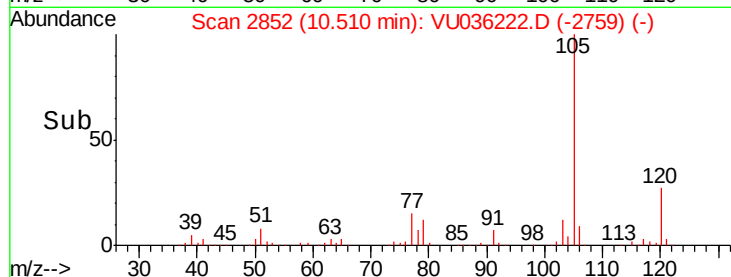
77 15.4 12.5 18.7



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: 5.552 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

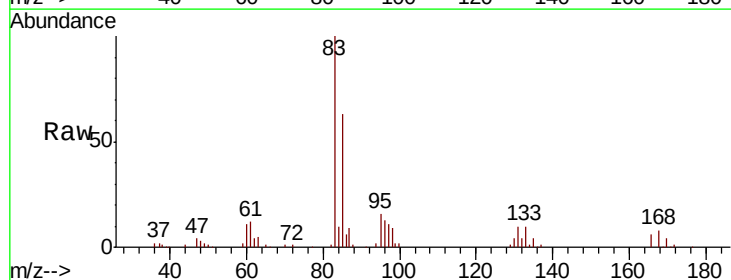
Tgt Ion: 83 Resp: 107086

Ion Ratio Lower Upper

83 100

85 62.7 45.6 84.8

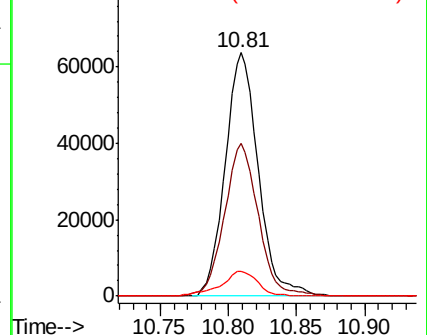
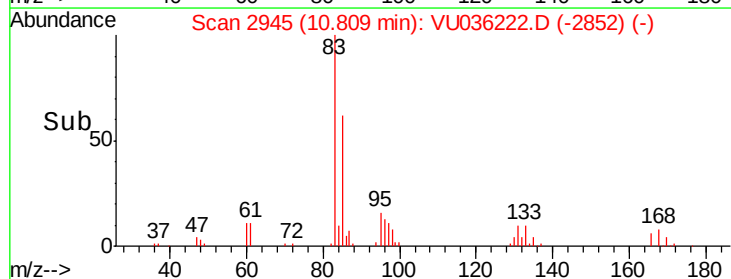
131 10.0 8.5 12.7

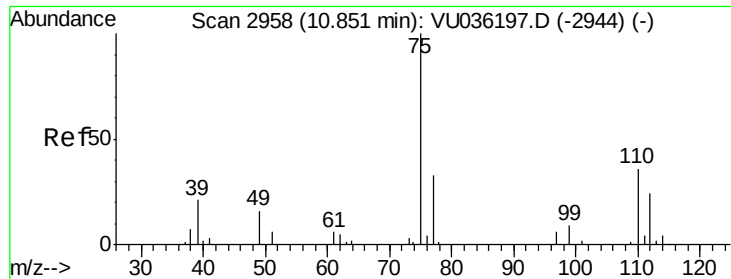


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

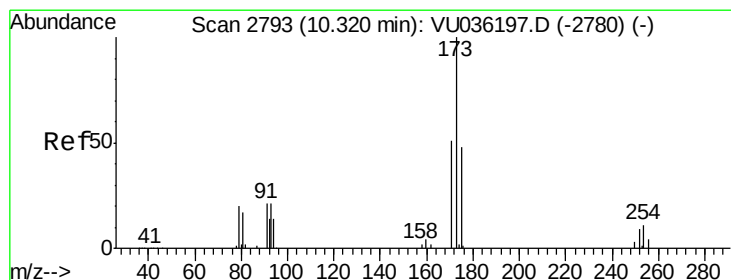
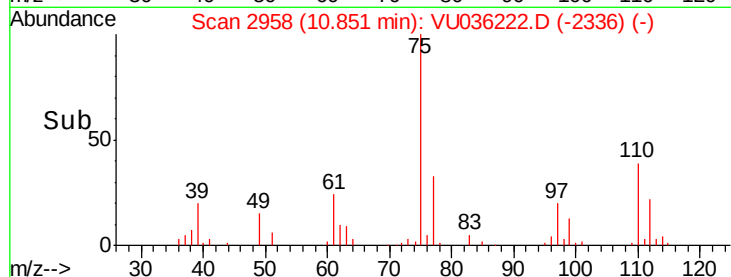
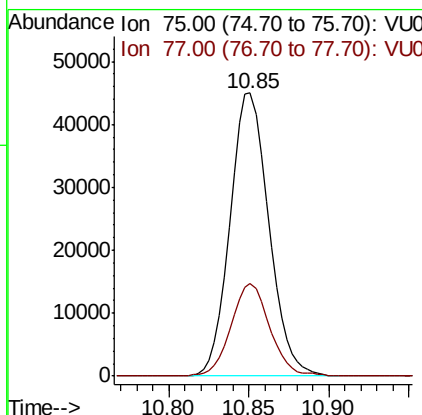
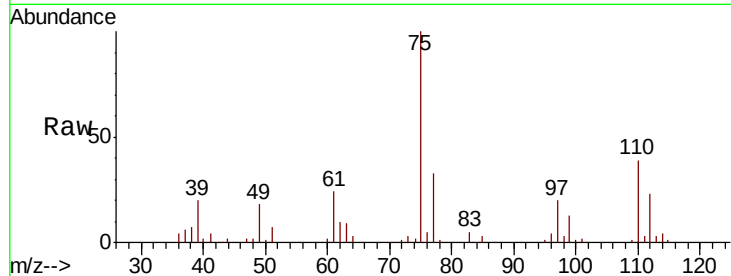




#59
 1,2,3-Trichloropropane
 Concen: 5.534 ug/L
 RT: 10.85 min Scan# 2958
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

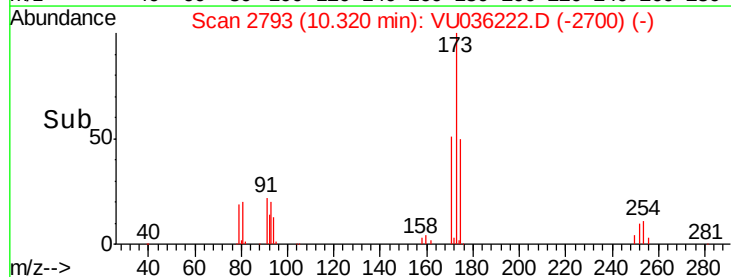
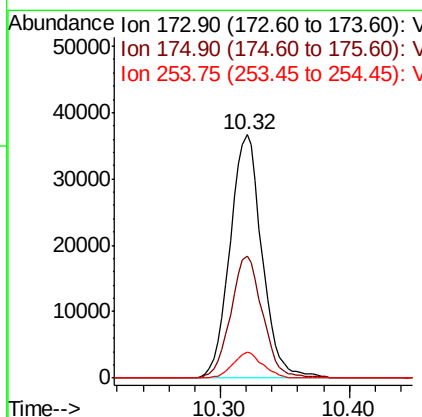
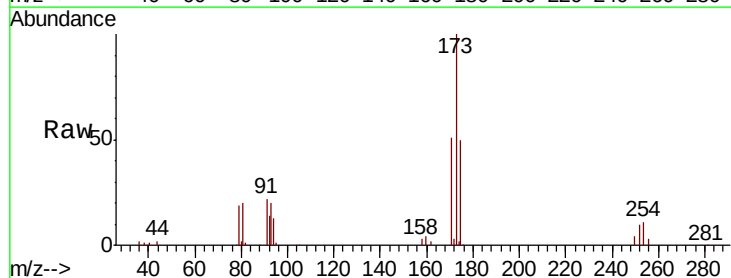
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

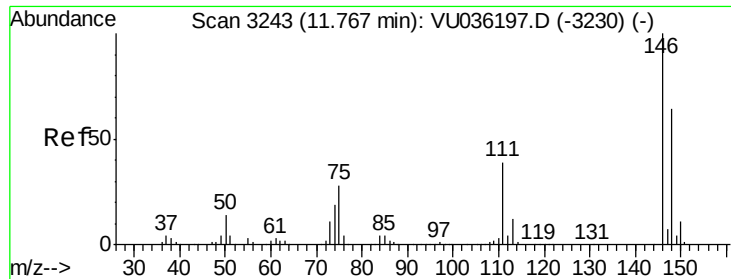
Tot Ion: 75 Resp: 74360
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.2 40.8



#61
 Bromoform
 Concen: 5.643 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion: 173 Resp: 63203
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.2 58.8
 254 9.9 7.8 11.6

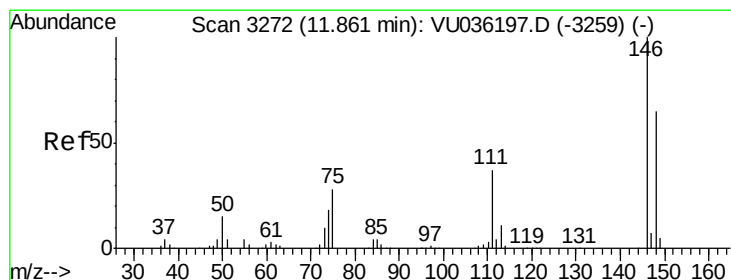
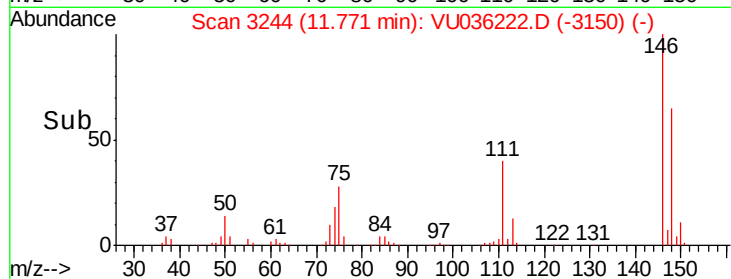
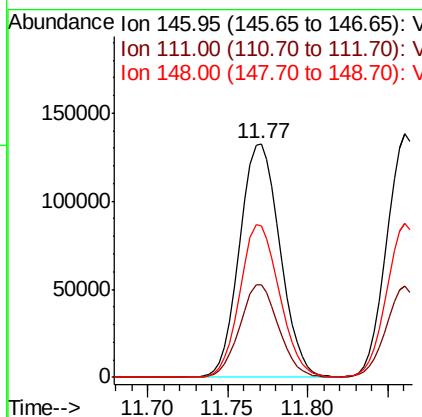
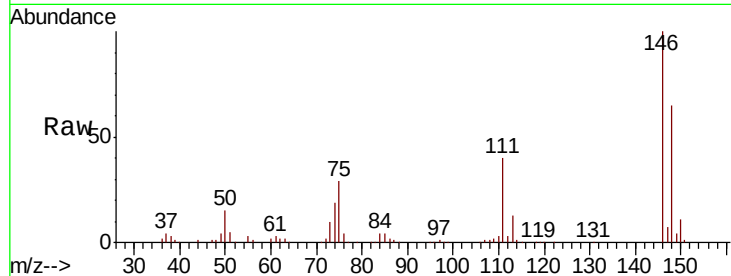




#62
 1,3-Dichlorobenzene
 Concen: 5.249 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

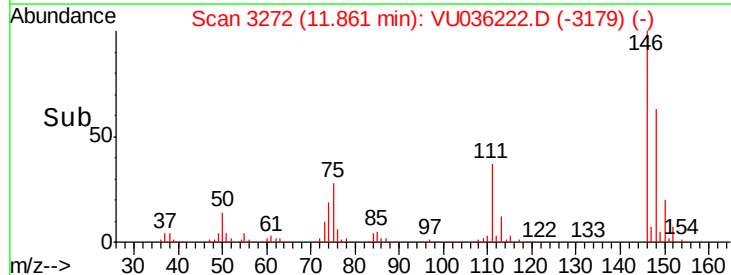
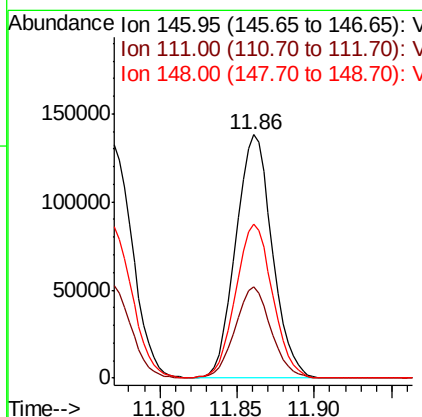
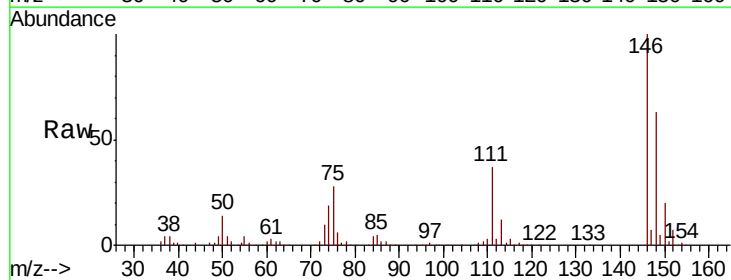
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

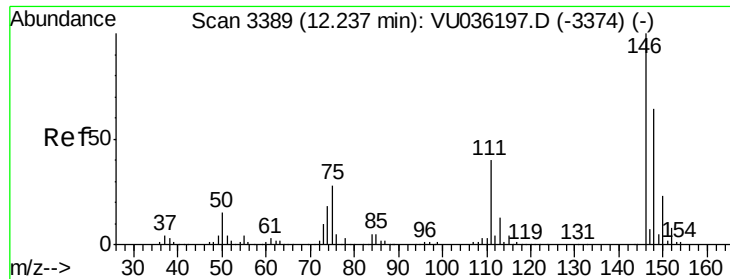
Tot Ion:146 Resp: 228465
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.3 48.9
 148 65.0 45.1 83.9



#63
 1,4-Dichlorobenzene
 Concen: 5.245 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion:146 Resp: 226423
 Ion Ratio Lower Upper
 146 100
 111 37.2 25.8 48.0
 148 63.4 44.7 82.9

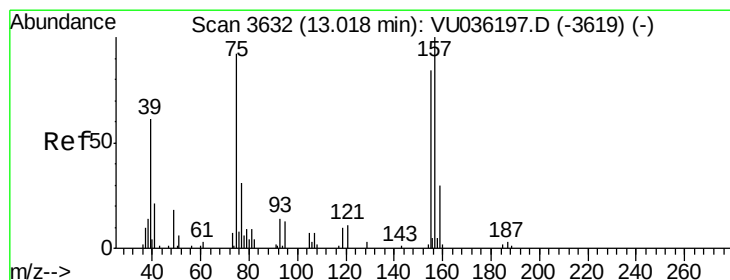
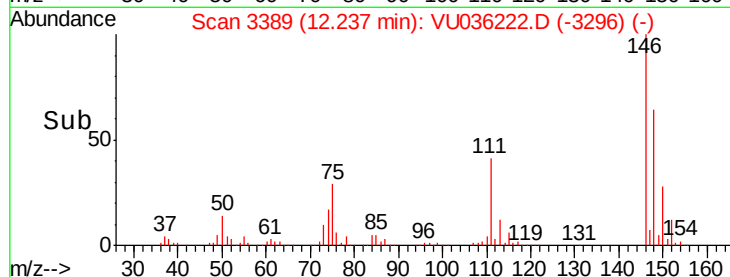
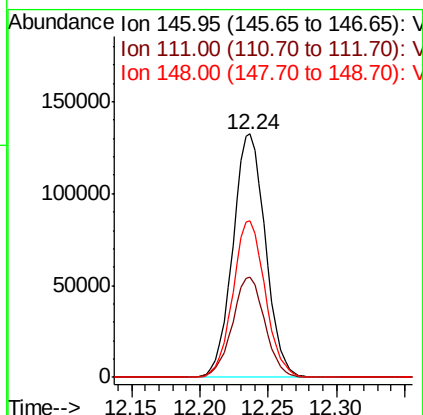
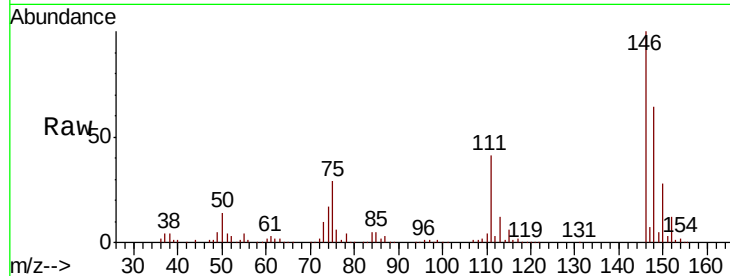




#65
 1,2-Dichlorobenzene
 Concen: 5.281 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

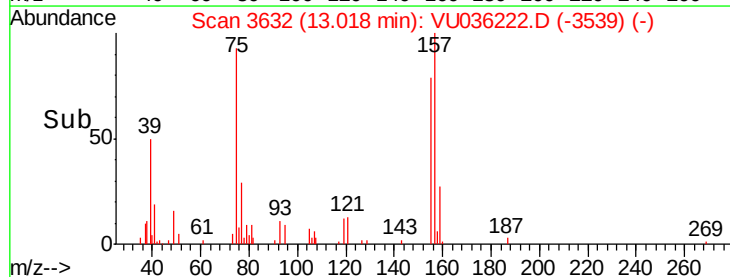
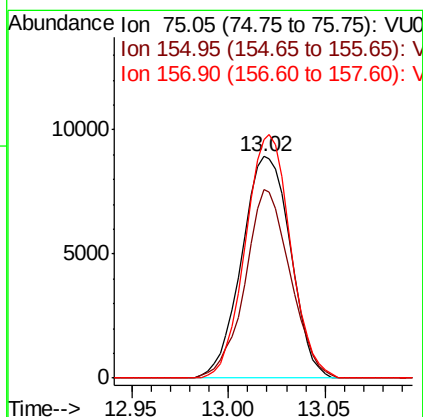
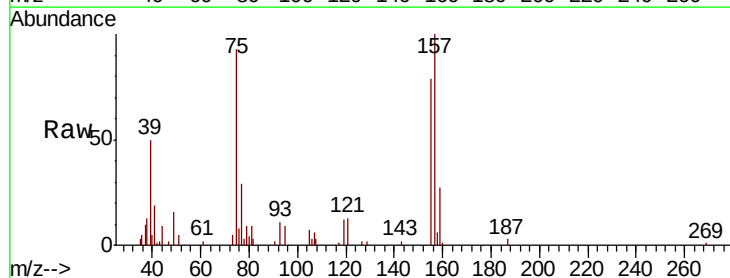
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

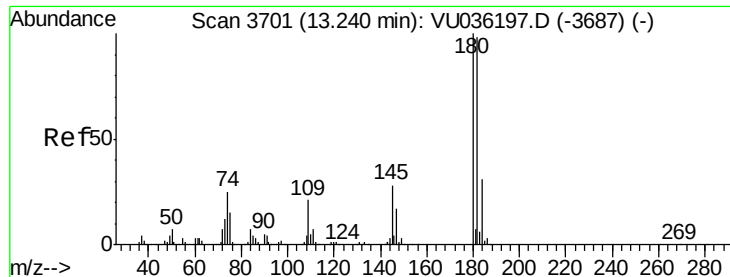
Tot Ion:146 Resp: 219017
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.5 48.7
 148 64.2 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.676 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion: 75 Resp: 15634
 Ion Ratio Lower Upper
 75 100
 155 85.2 61.9 92.9
 157 107.7 84.9 127.3

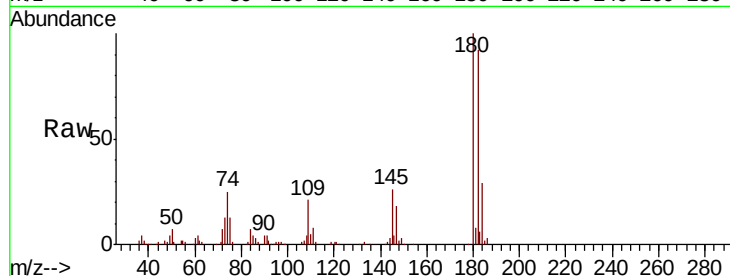




#67
 1,3,5-Trichlorobenzene
 Concen: 4.275 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00514

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	76.9	115.3
184	29.7	24.2	36.4
145	28.0	22.0	33.0



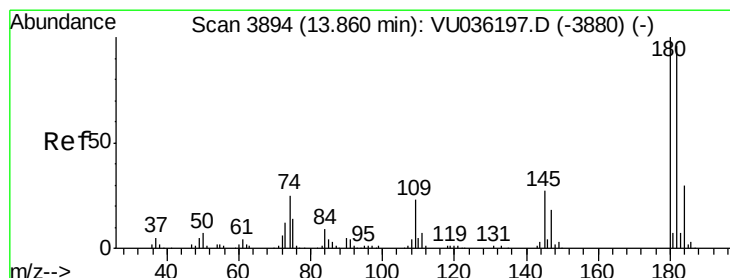
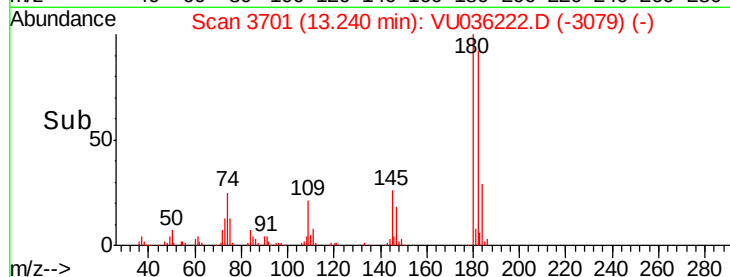
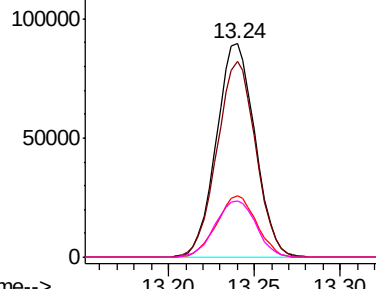
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

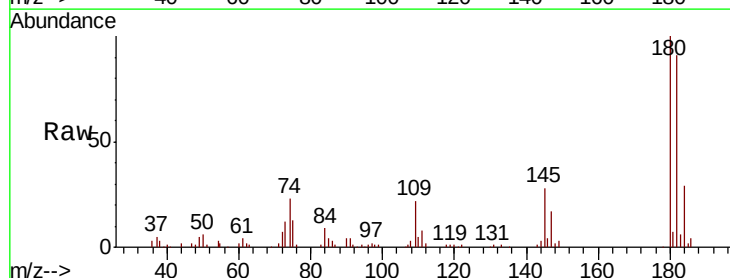
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.059 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036222.D
 Acq: 14 Dec 2019 01:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	75.3	112.9
145	29.0	22.7	34.1

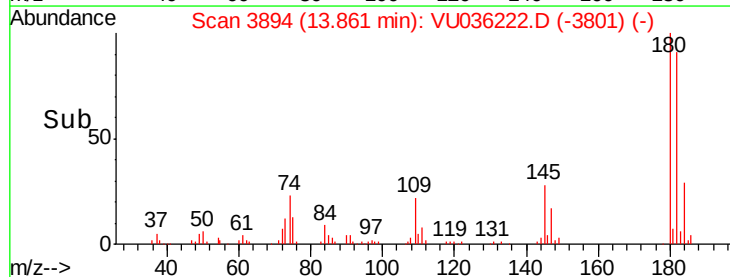
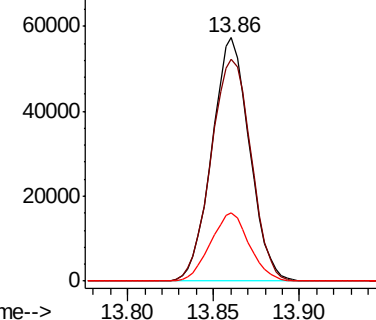


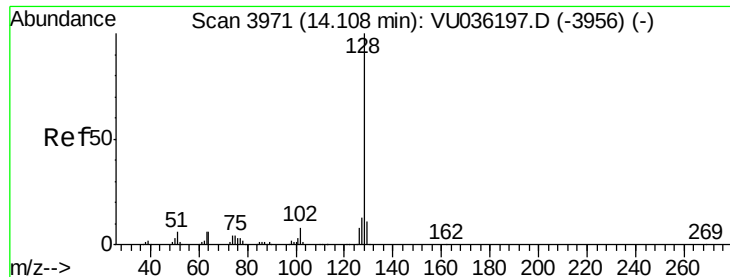
Abundance

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: 4.054 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

Instrument :

MSVOA_U

ClientSampleId :

VSTD00514

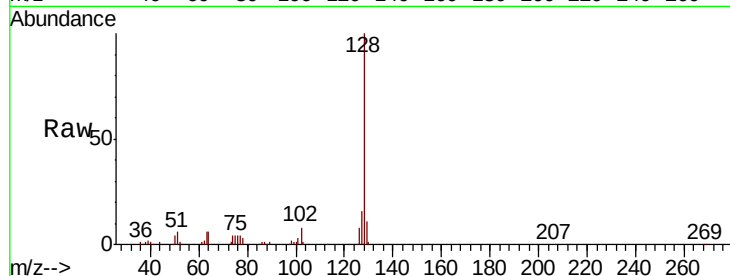
Tot Ion:128 Resp: 110499

Ion Ratio Lower Upper

128 100

129 11.9 8.4 12.6

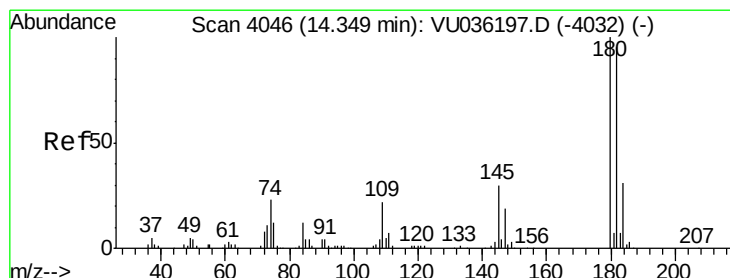
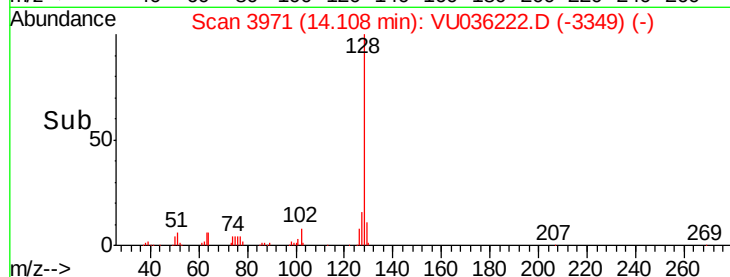
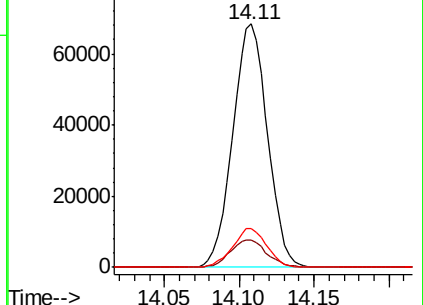
127 15.8 11.5 17.3



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: 4.298 ug/L

RT: 14.35 min Scan# 4046

Delta R.T. 0.00 min

Lab File: VU036222.D

Acq: 14 Dec 2019 01:44

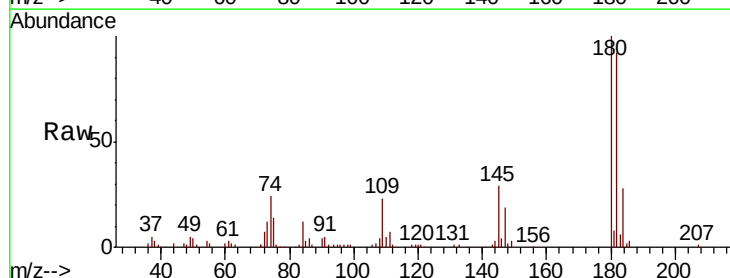
Tgt Ion:180 Resp: 89062

Ion Ratio Lower Upper

180 100

182 94.6 77.0 115.6

145 30.6 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

