

Data File : VU036560.D
Acq On : 24 Jan 2020 17:45
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

Quant Time: Jan 24 23:25:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 24 23:19:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	144009	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	133560	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	67851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	38967	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.93	69	35608	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.59	65	16316	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	4.69	46	101333	58.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.16%
24) Chloroform-d	5.11	84	76412	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	39658	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.77	84	161646	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.73	67	49924	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.93	98	156629	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	8.21	79	20872	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
46) 2-Hexanone-d5	8.67	63	103168	56.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.48%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41754	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	59740	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	52018	4.926 ug/L	100
3) Chloromethane	1.53	50	54855	4.919 ug/L	98
5) Vinyl chloride	1.62	62	60883	5.030 ug/L	97
6) Bromomethane	1.87	94	37774	5.372 ug/L	97
8) Chloroethane	1.95	64	38030	5.080 ug/L	97
9) Trichlorofluoromethane	2.16	101	70732	5.024 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	43428	5.002 ug/L	97
12) 1,1-Dichloroethene	2.60	96	43611	5.066 ug/L	99
13) Acetone	2.68	43	69762	53.638 ug/L	97
14) Carbon disulfide	2.82	76	132537	4.894 ug/L	100
15) Methyl Acetate	3.00	43	16591	4.991 ug/L	100
16) Methylene chloride	3.08	84	52559	4.489 ug/L	95
17) Methyl tert-butyl Ether	3.41	73	112113	5.186 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	46315	5.009 ug/L	97
19) 1,1-Dichloroethane	3.92	63	81369	5.044 ug/L	99
21) 2-Butanone	4.77	43	112384	53.436 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	52360	5.076 ug/L	98

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	23230	5.350	ug/L	98
25) Chloroform	5.13	83	81954	5.096	ug/L	100
27) 1,2-Dichloroethane	5.84	62	51534	5.109	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	67182	5.038	ug/L	99
30) Cyclohexane	5.43	56	75964	4.991	ug/L	98
31) Carbon tetrachloride	5.57	117	58883	5.206	ug/L	98
33) Benzene	5.82	78	192739	5.135	ug/L	100
34) Trichloroethene	6.58	95	51536	5.184	ug/L	98
35) Methylcyclohexane	6.80	83	83548	4.905	ug/L	98
37) 1,2-Dichloropropane	6.83	63	48422	5.188	ug/L	99
38) Bromodichloromethane	7.14	83	57757	5.065	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	73610	5.114	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	280802	53.495	ug/L	100
42) Toluene	8.00	91	212252	5.121	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	58639	5.293	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	35823	5.188	ug/L	96
47) Tetrachloroethene	8.58	164	41453	5.121	ug/L	97
48) 2-Hexanone	8.72	43	199647	55.130	ug/L	99
49) Dibromochloromethane	8.84	129	41661	5.272	ug/L	96
50) 1,2-Dibromoethane	8.95	107	34972	5.201	ug/L	96
51) Chlorobenzene	9.47	112	135653	5.096	ug/L	99
52) Ethylbenzene	9.60	91	227104	5.032	ug/L	99
53) m,p-Xylene	9.72	106	90708	5.181	ug/L	97
54) o-Xylene	10.12	106	88647	5.166	ug/L	99
55) Styrene	10.14	104	144838	5.142	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.81	83	45121	5.212	ug/L	98
59) Bromoform	10.32	173	23400	5.133	ug/L	99
60) Isopropylbenzene	10.51	105	231448	5.046	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	32095	5.082	ug/L	99
62) 1,3,5-Trimethylbenzene	11.11	105	198024	5.038	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	198498	5.089	ug/L	99
64) 1,3-Dichlorobenzene	11.77	146	108041	5.053	ug/L	98
65) 1,4-Dichlorobenzene	11.86	146	106017	4.954	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	104068	5.095	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	7033	5.256	ug/L	97
69) 1,3,5-Trichlorobenzene	13.24	180	82824	5.041	ug/L	98
70) 1,2,4-trichlorobenzene	13.86	180	62488	5.234	ug/L	99
71) Naphthalene	14.10	128	92680	5.442	ug/L	99
72) 1,2,3-Trichlorobenzene	14.35	180	57906	5.366	ug/L	100

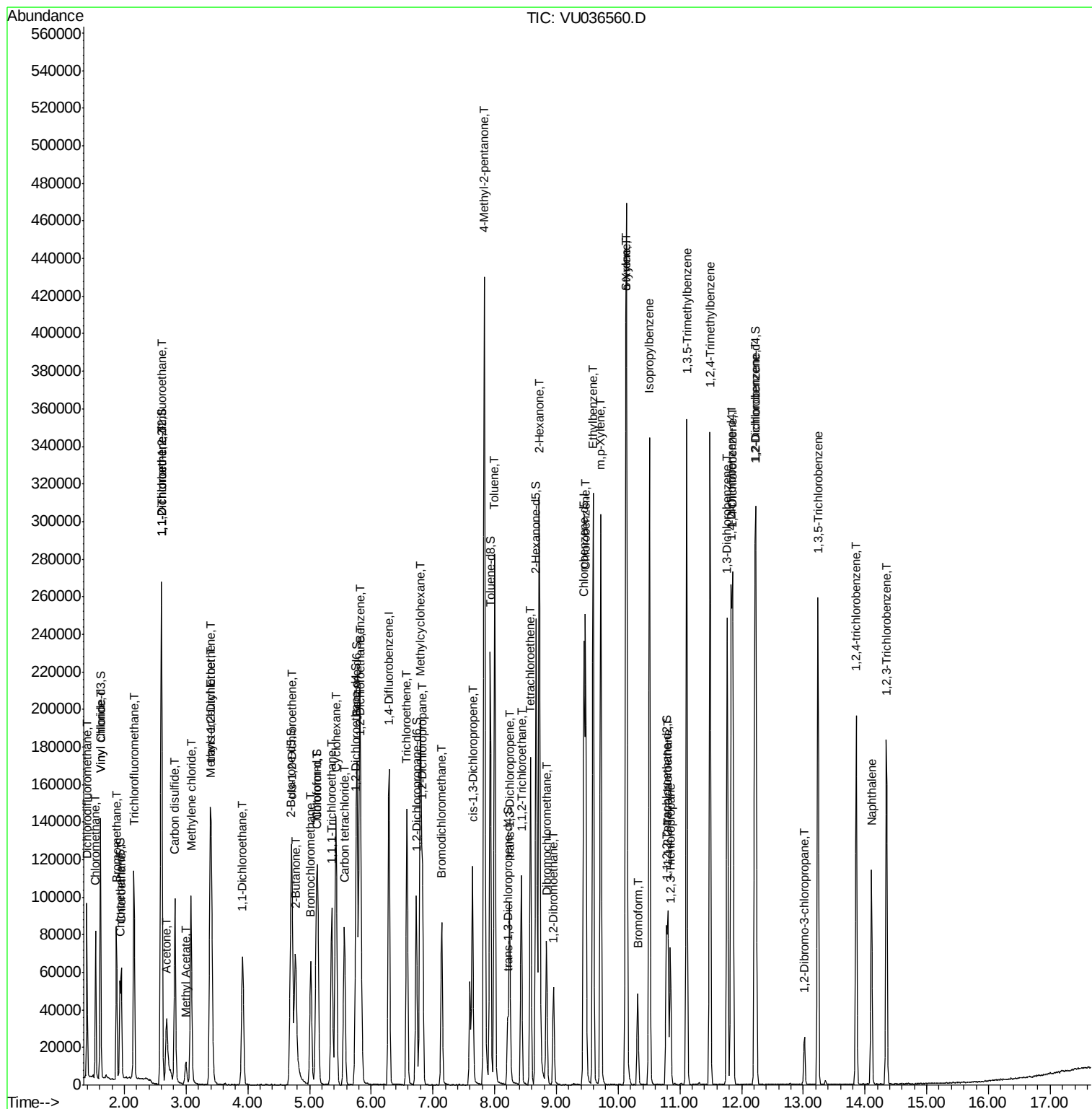
(#) = qualifier out of range (m) = manual integration (+) = signals summed

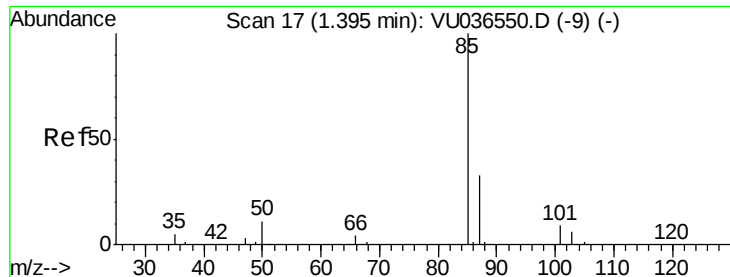
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#2

Dichlorodifluoromethane

Concen: 4.926 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

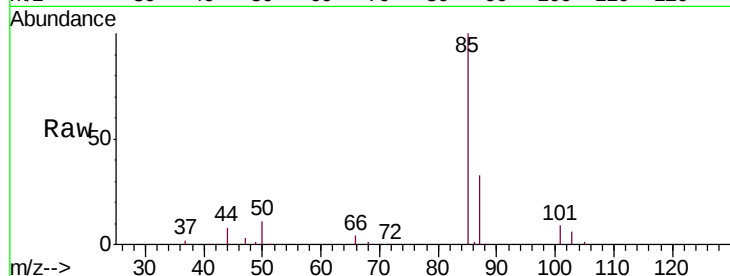
VSTD005607

Tgt Ion: 85 Resp: 52018

Ion Ratio Lower Upper

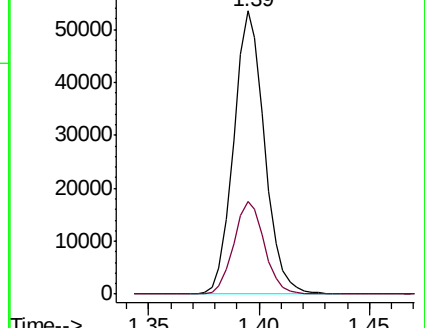
85 100

87 32.6 26.0 39.0

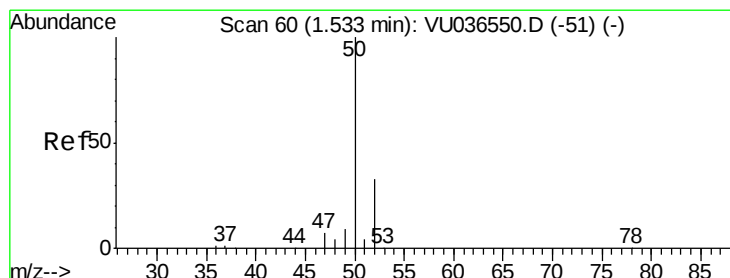
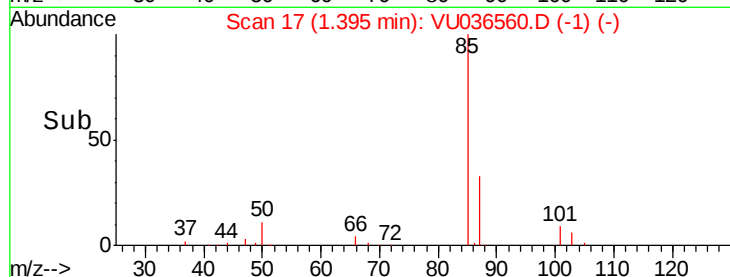


Abundance Ion 85.00 (84.70 to 85.70): VU036550.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036550.D (-9) (-)



Time-->



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU036560.D

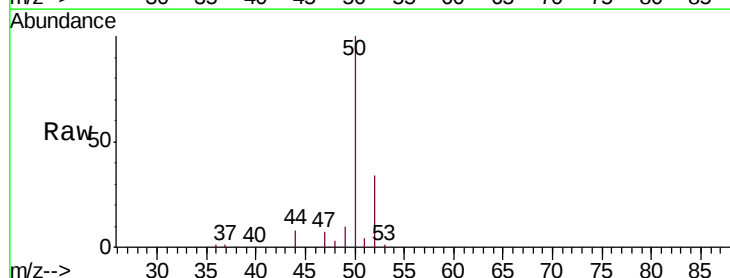
Acq: 24 Jan 2020 17:45

Tgt Ion: 50 Resp: 54855

Ion Ratio Lower Upper

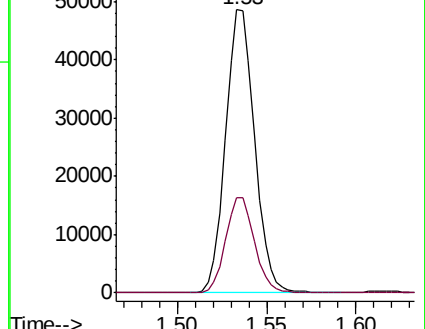
50 100

52 33.9 22.7 42.3

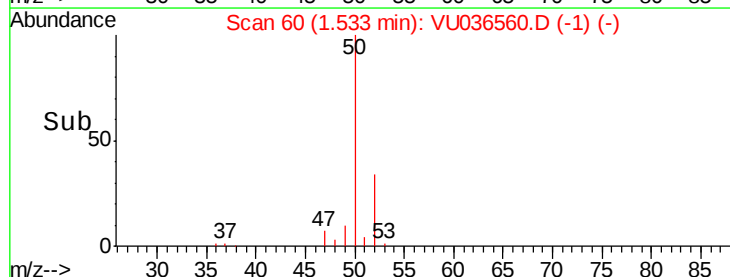


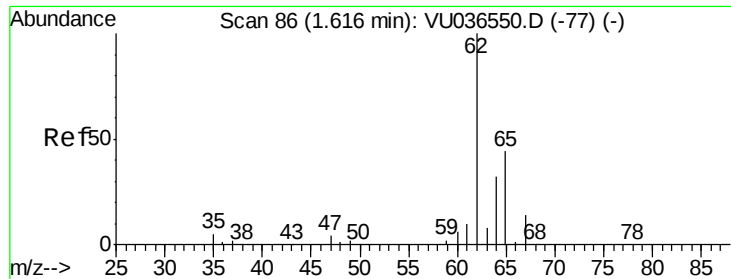
Abundance Ion 50.05 (49.75 to 50.75): VU036550.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036550.D (-51) (-)



Time-->





#5

Vinyl chloride

Concen: 5.030 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

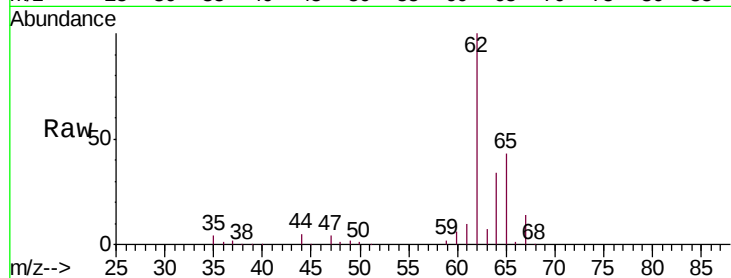
VSTD005607

Tgt Ion: 62 Resp: 60883

Ion Ratio Lower Upper

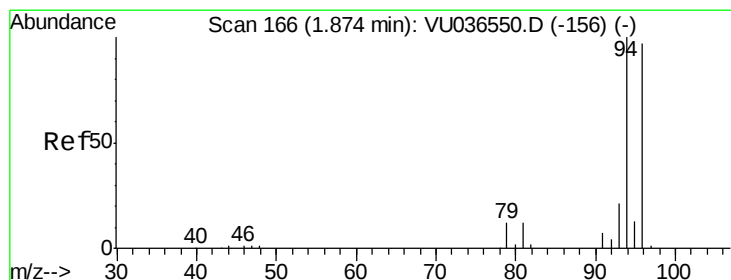
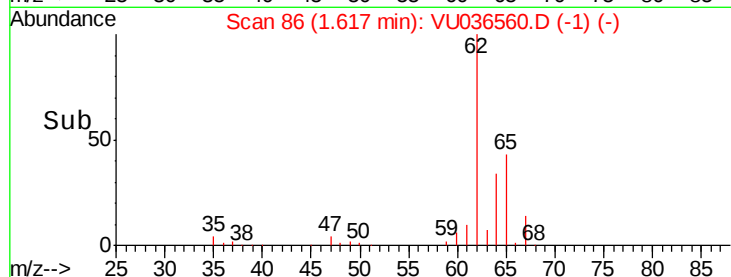
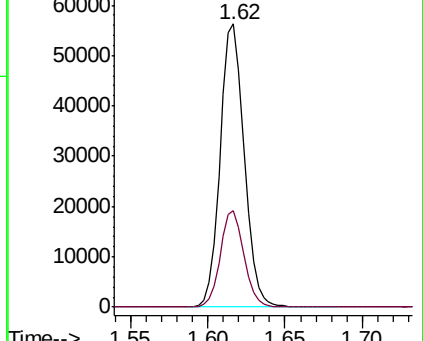
62 100

64 33.9 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU036550.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036550.D (-77) (-)



#6

Bromomethane

Concen: 5.372 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036560.D

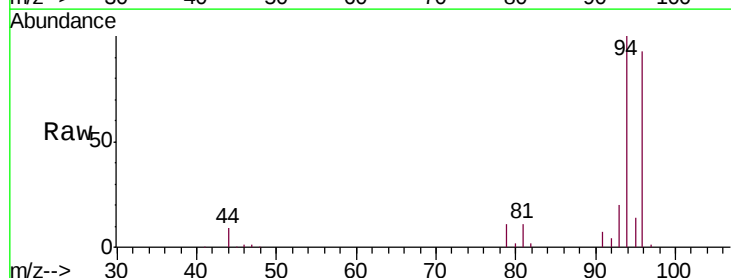
Acq: 24 Jan 2020 17:45

Tgt Ion: 94 Resp: 37774

Ion Ratio Lower Upper

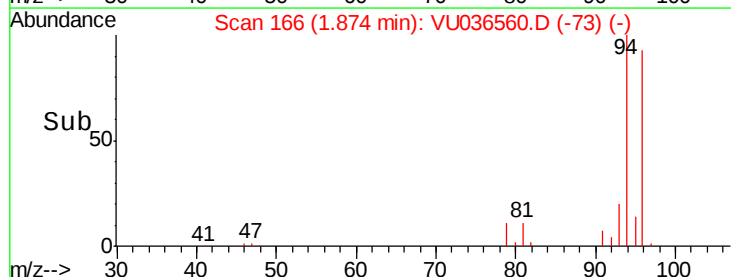
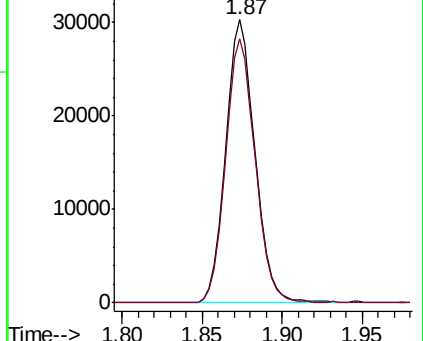
94 100

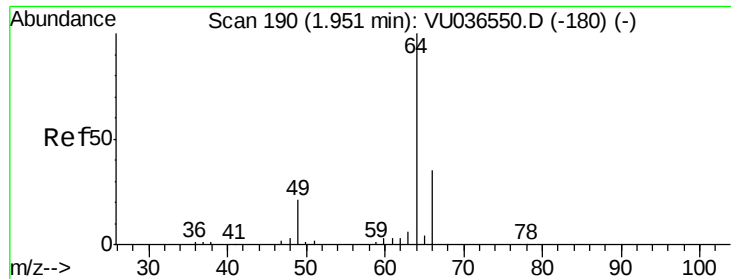
96 93.2 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036550.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036550.D (-156) (-)





#8

Chloroethane

Concen: 5.080 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

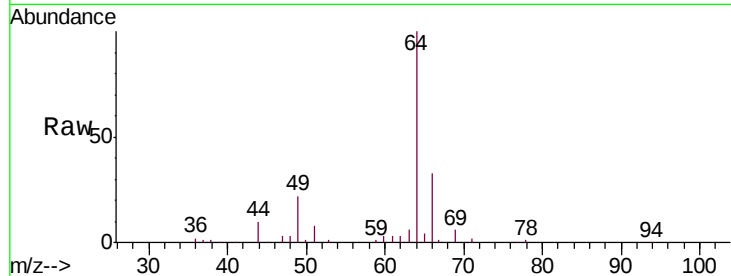
VSTD005607

Tgt Ion: 64 Resp: 38030

Ion Ratio Lower Upper

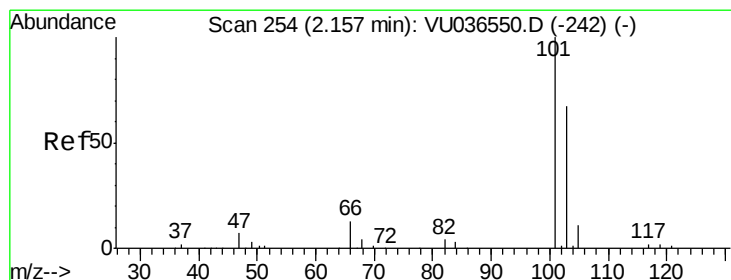
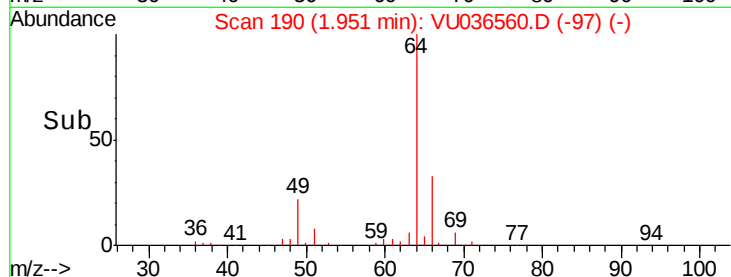
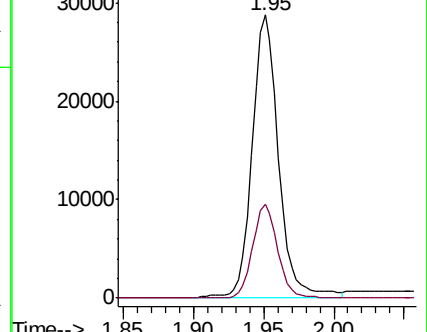
64 100

66 33.0 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VU036550.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036550.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.024 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036560.D

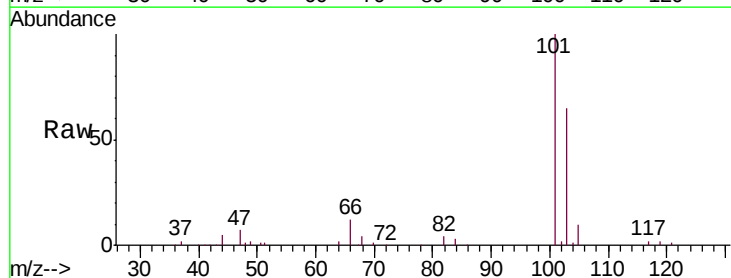
Acq: 24 Jan 2020 17:45

Tgt Ion: 101 Resp: 70732

Ion Ratio Lower Upper

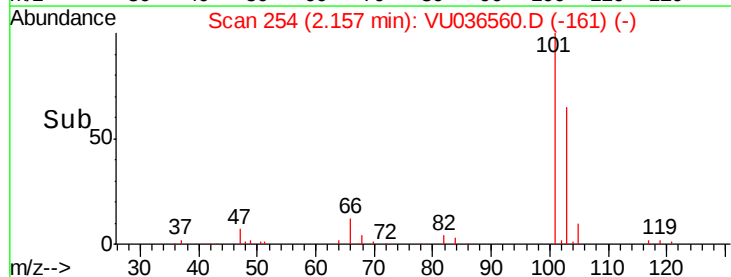
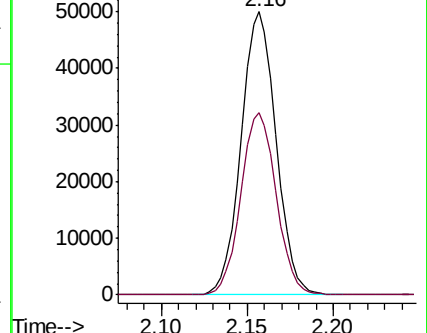
101 100

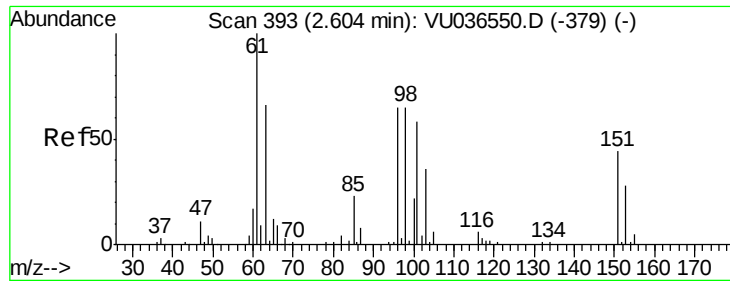
103 65.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU036550.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU036550.D (-242) (-)





#10

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

Concen: 5.002 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036560.D

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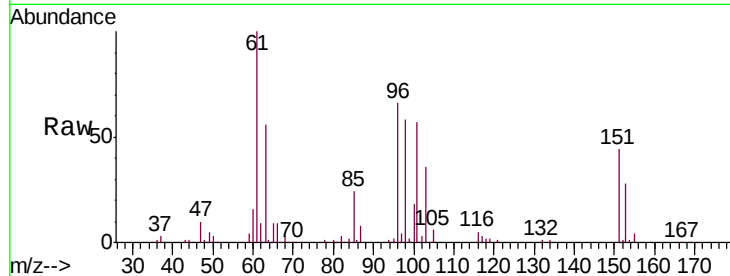
Tgt Ion: 101 Resp: 43428

Ion Ratio Lower Upper

101 100

85 41.9 32.2 48.4

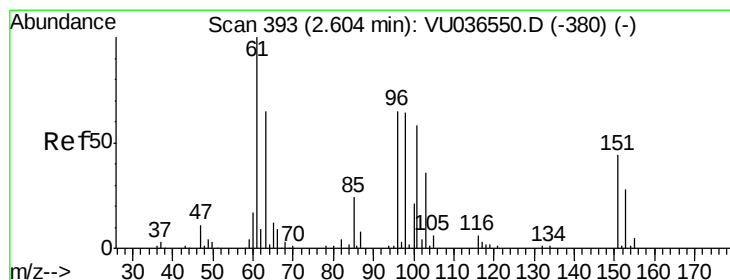
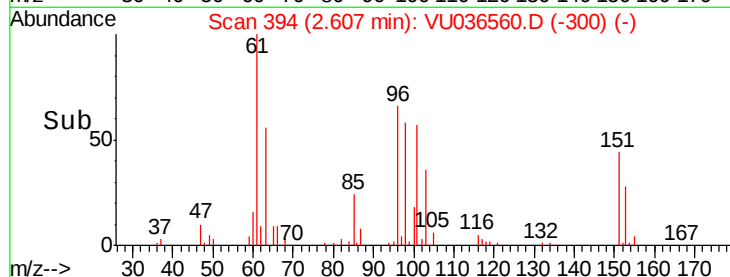
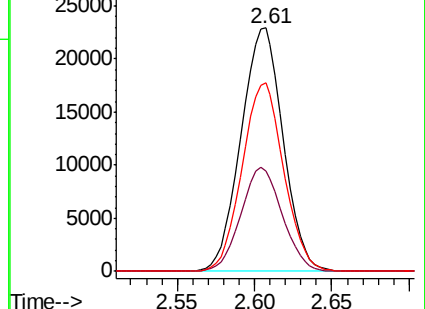
151 76.4 59.2 88.8



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: 5.066 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

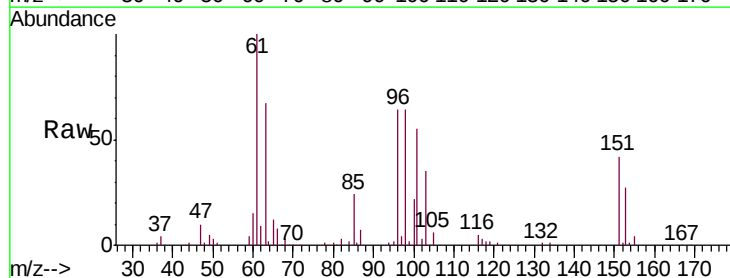
Tgt Ion: 96 Resp: 43611

Ion Ratio Lower Upper

96 100

61 156.1 108.2 201.0

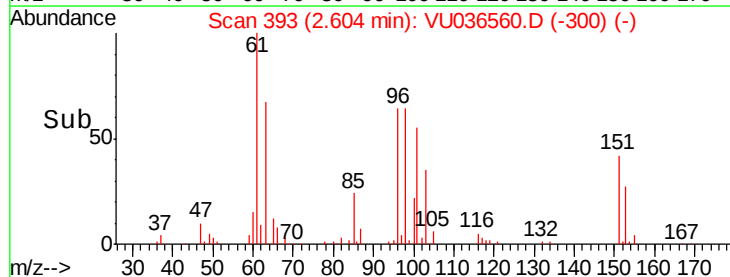
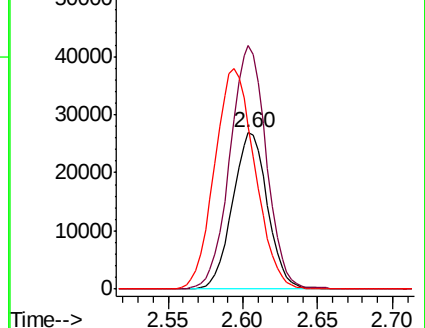
63 104.6 72.0 133.8

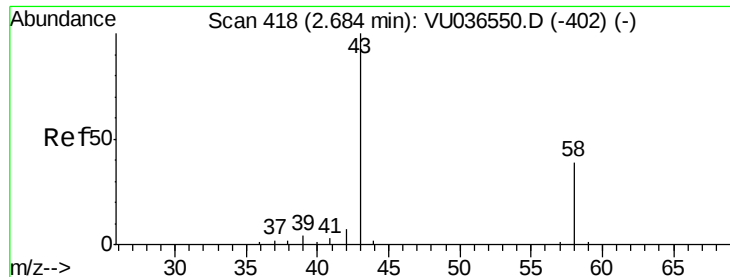


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.638 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

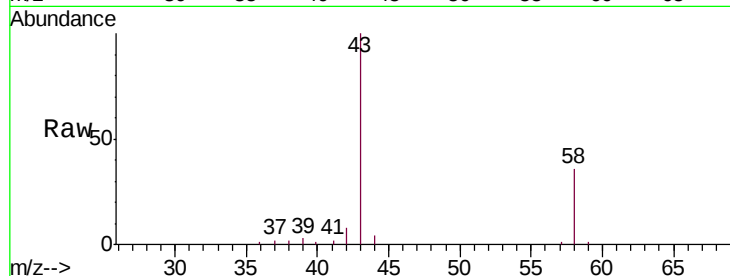
VSTD005607

Tgt Ion: 43 Resp: 69762

Ion Ratio Lower Upper

43 100

58 35.2 0.0 74.0



Abundance Ion 43.05 (42.75 to 43.75): VU036550.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU036550.D (-402) (-)

25000

20000

15000

10000

5000

0

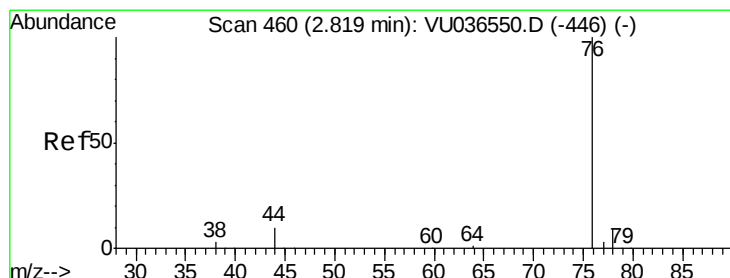
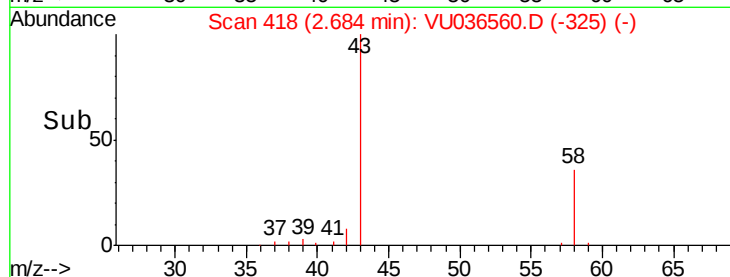
2.60

2.70

2.80

2.90

Time-->



#14

Carbon disulfide

Concen: 4.894 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036560.D

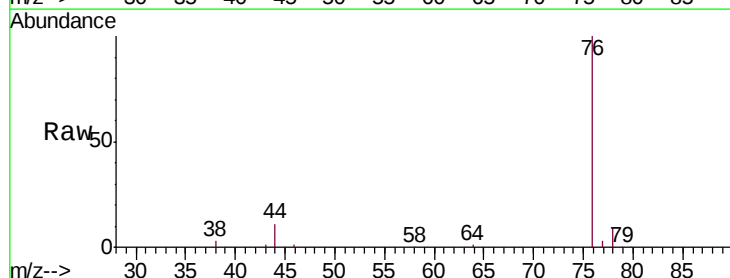
Acq: 24 Jan 2020 17:45

Tgt Ion: 76 Resp: 132537

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036550.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036550.D (-446) (-)

80000

60000

40000

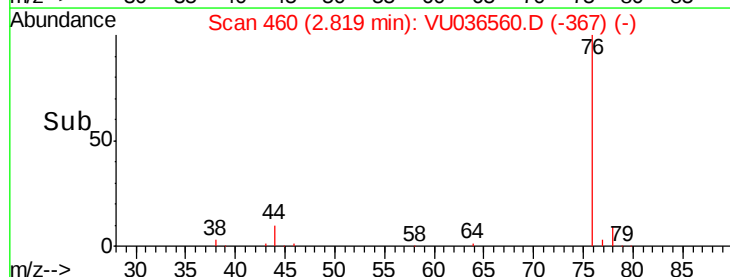
20000

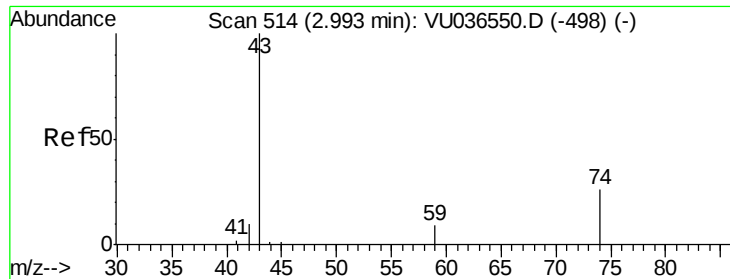
0

2.80

2.90

Time-->

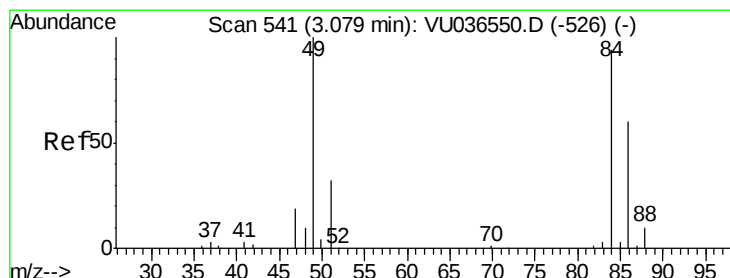
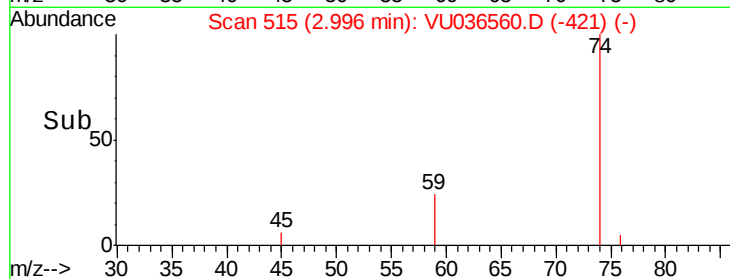
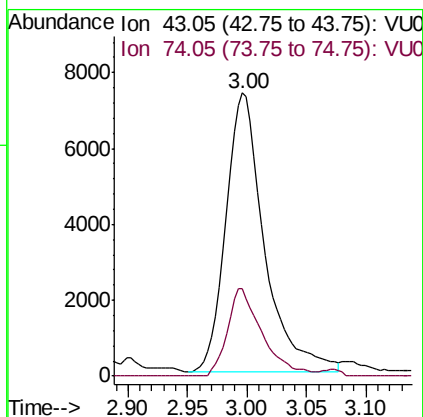
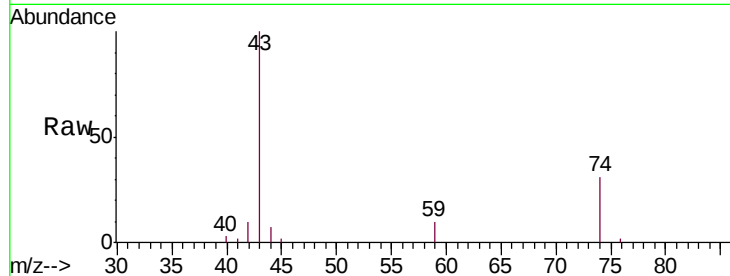




#15
Methyl Acetate
Concen: 4.991 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

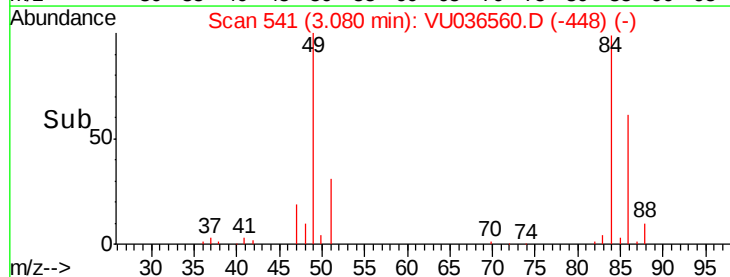
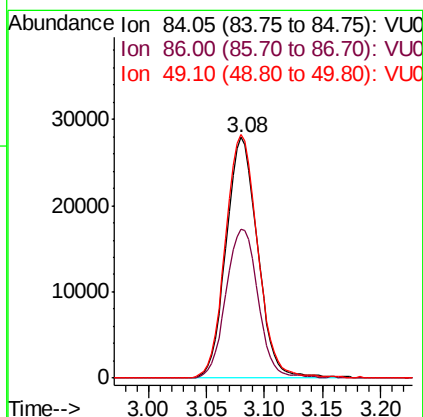
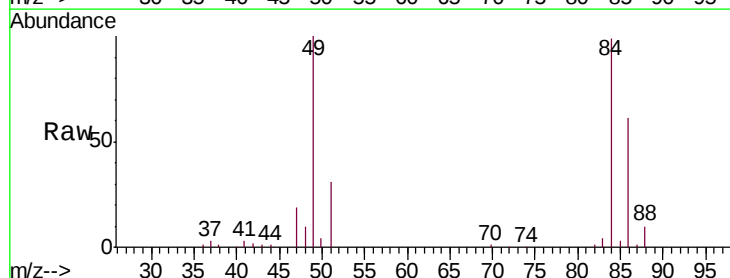
Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

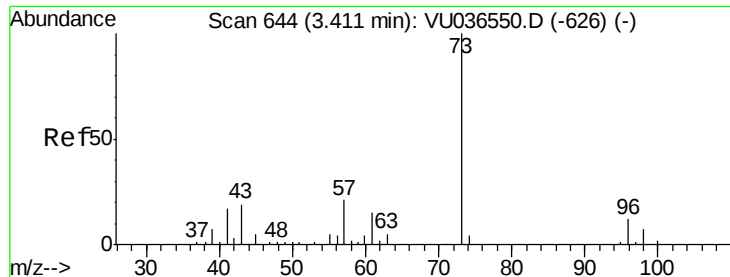
Tgt Ion: 43 Resp: 16591
Ion Ratio Lower Upper
43 100
74 28.2 22.7 34.1



#16
Methylene chloride
Concen: 4.489 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Tgt Ion: 84 Resp: 52559
Ion Ratio Lower Upper
84 100
86 61.6 44.8 83.2
49 101.0 74.8 139.0

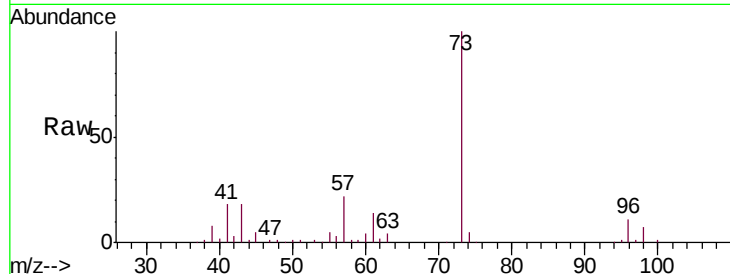




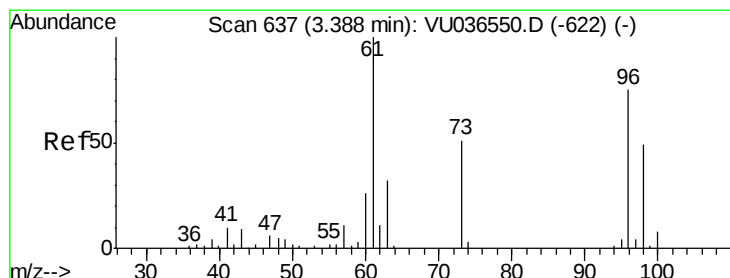
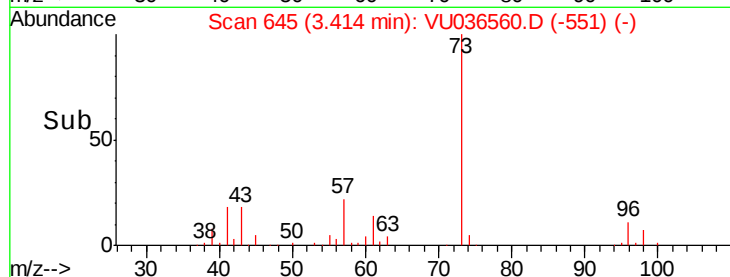
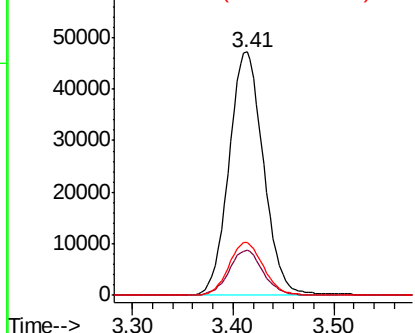
#17
Methyl tert-butyl Ether
Concen: 5.186 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

Tgt Ion: 73 Resp: 112113
Ion Ratio Lower Upper
73 100
43 18.3 14.6 21.8
57 21.8 17.0 25.6

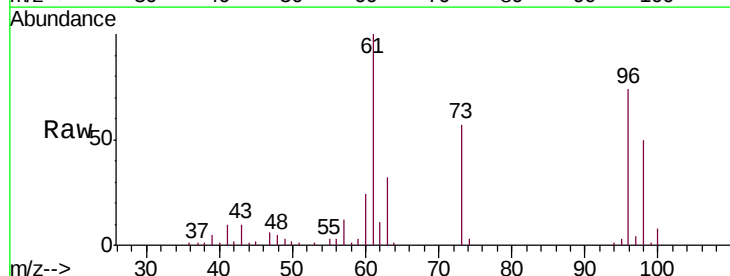


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

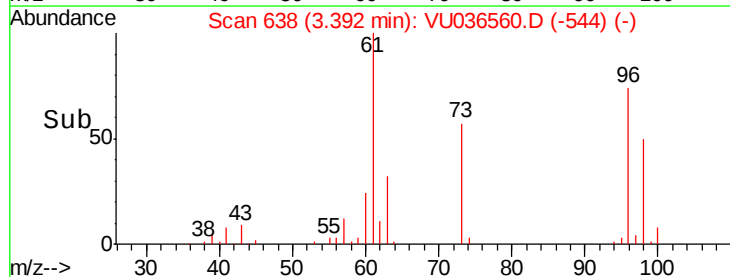
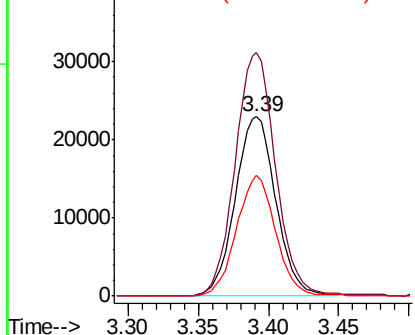


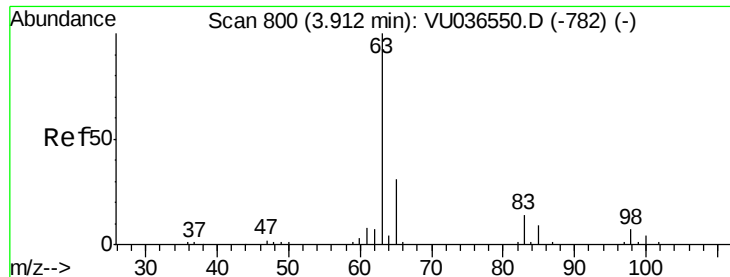
#18
trans-1,2-Dichloroethene
Concen: 5.009 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Tgt Ion: 96 Resp: 46315
Ion Ratio Lower Upper
96 100
61 135.7 93.1 172.9
98 67.3 45.5 84.5



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

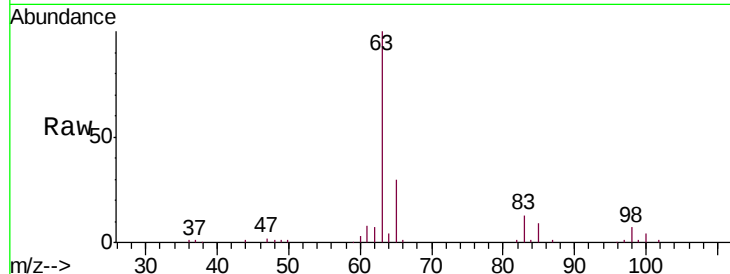




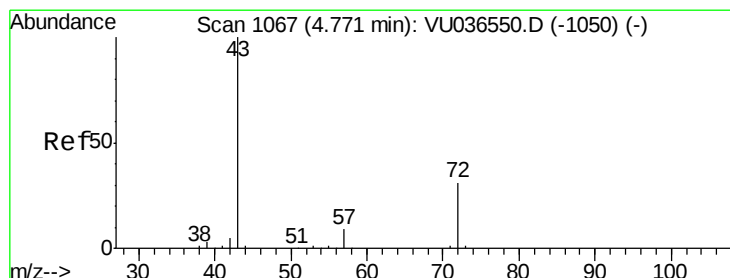
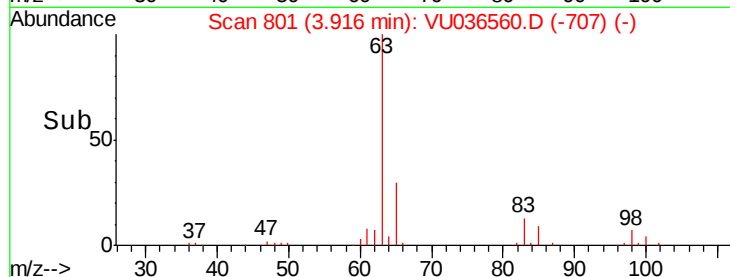
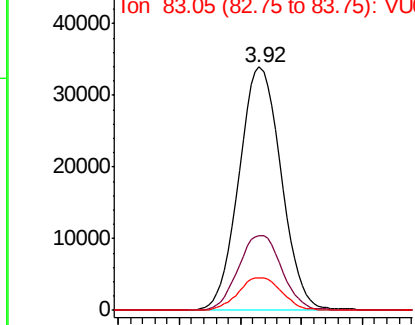
#19
 1,1-Dichloroethane
 Concen: 5.044 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

Tgt Ion: 63 Resp: 81369
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.8 40.6
 83 13.4 9.8 18.2

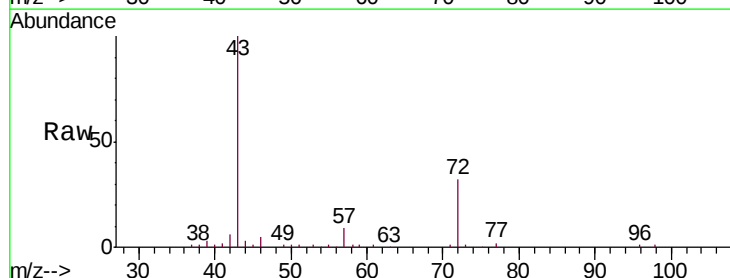


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

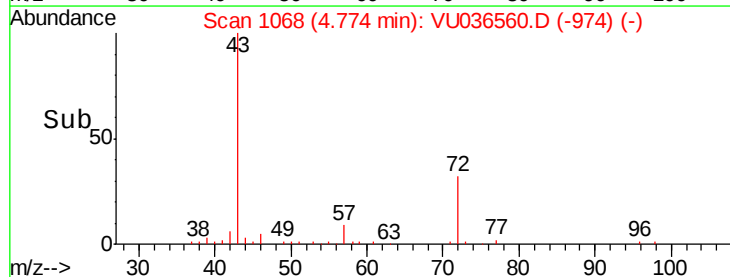
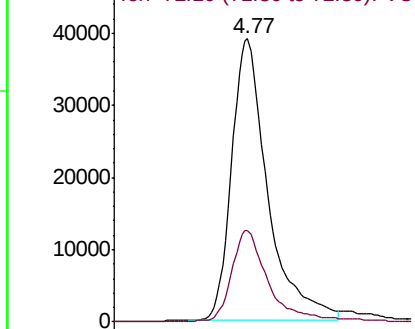


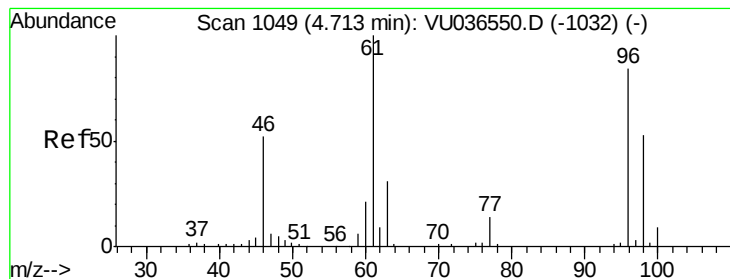
#21
 2-Butanone
 Concen: 53.436 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 43 Resp: 112384
 Ion Ratio Lower Upper
 43 100
 72 31.7 15.4 46.4



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: 5.076 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005607

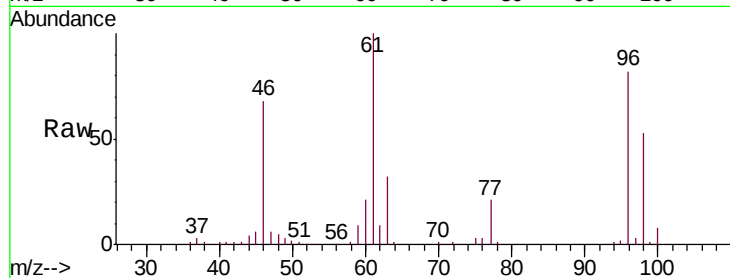
Tgt Ion: 96 Resp: 52360

Ion Ratio Lower Upper

96 100

61 121.4 83.0 154.1

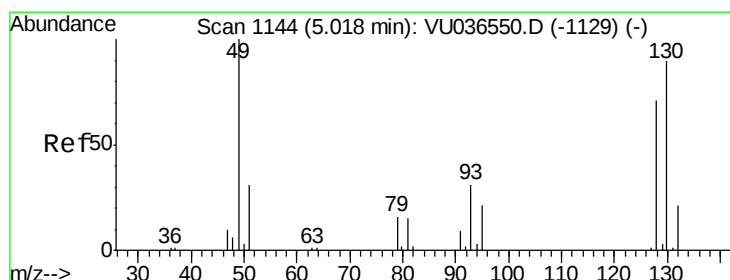
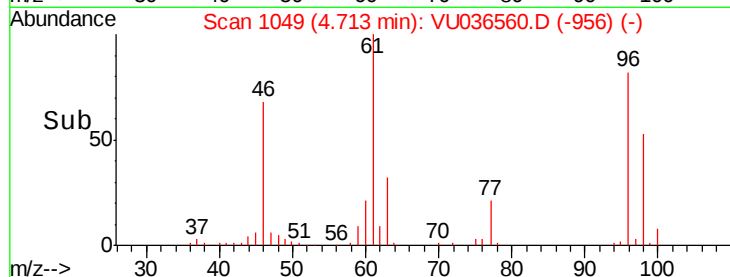
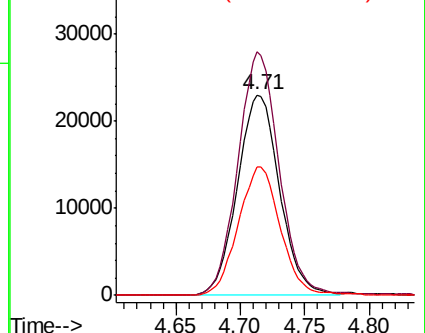
98 63.9 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU036560.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036560.D (-956) (-)

Ion 98.00 (97.70 to 98.70): VU036560.D (-956) (-)



#23

Bromochloromethane

Concen: 5.350 ug/L

RT: 5.02 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Tgt Ion: 128 Resp: 23230

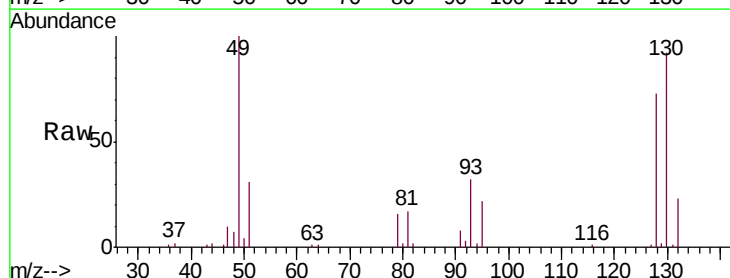
Ion Ratio Lower Upper

128 100

49 136.7 98.6 183.2

130 125.8 89.1 165.5

51 43.0 35.4 53.2

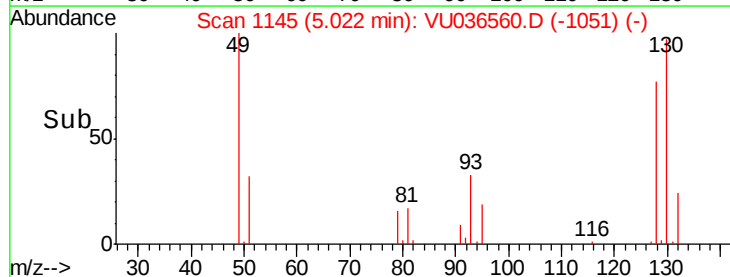
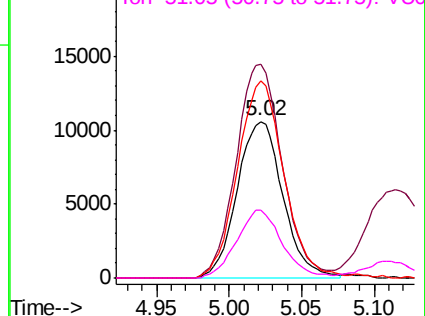


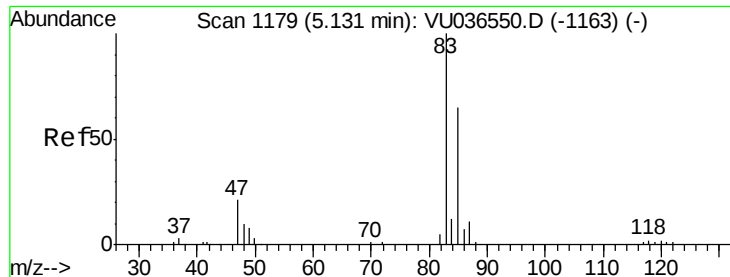
Abundance Ion 127.90 (127.60 to 128.60): VU036560.D (-1051) (-)

Ion 49.10 (48.80 to 49.80): VU036560.D (-1051) (-)

Ion 129.95 (129.65 to 130.65): VU036560.D (-1051) (-)

Ion 51.05 (50.75 to 51.75): VU036560.D (-1051) (-)

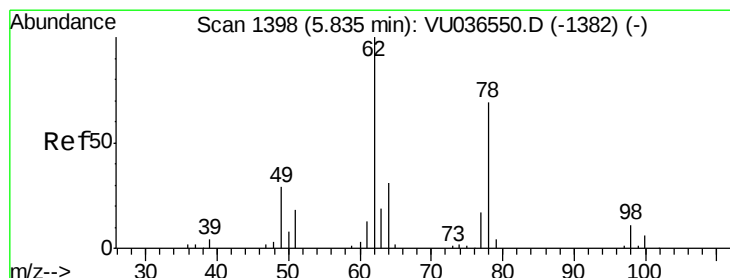
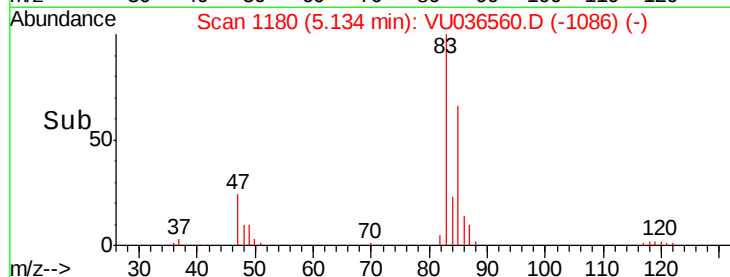
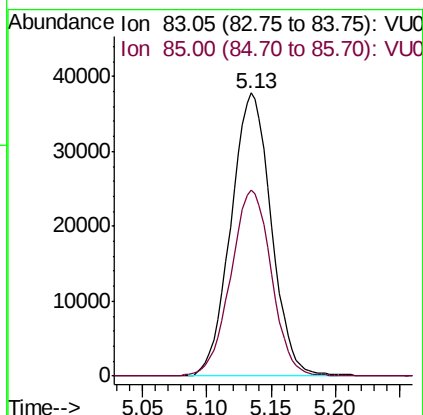
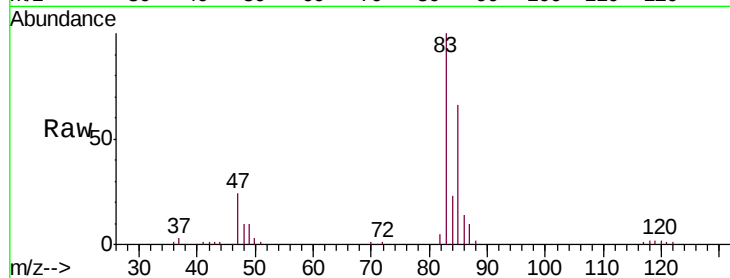




#25
 Chloroform
 Concen: 5.096 ug/L
 RT: 5.13 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

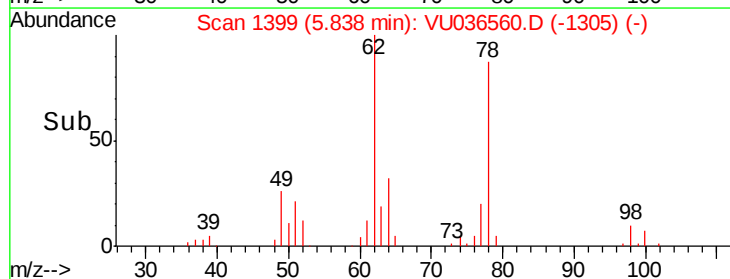
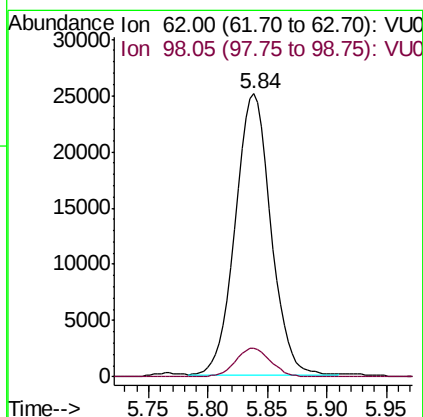
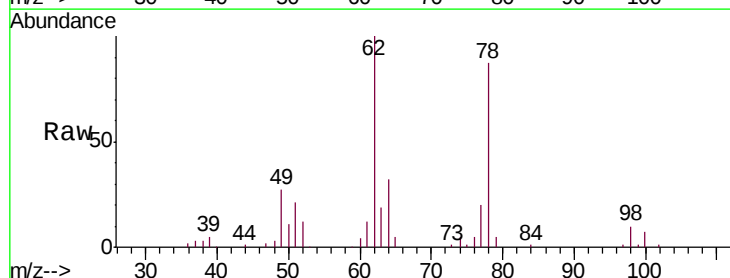
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

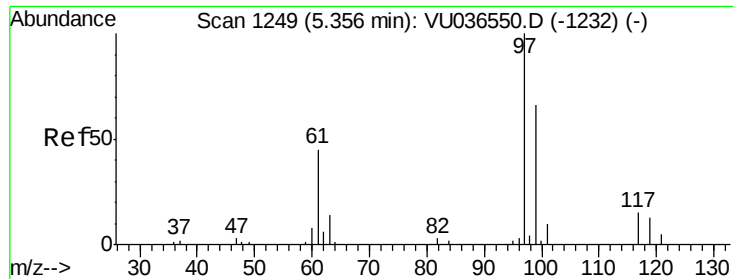
Tgt Ion: 83 Resp: 81954
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.7 84.9



#27
 1,2-Dichloroethane
 Concen: 5.109 ug/L
 RT: 5.84 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 62 Resp: 51534
 Ion Ratio Lower Upper
 62 100
 98 10.3 8.5 12.7

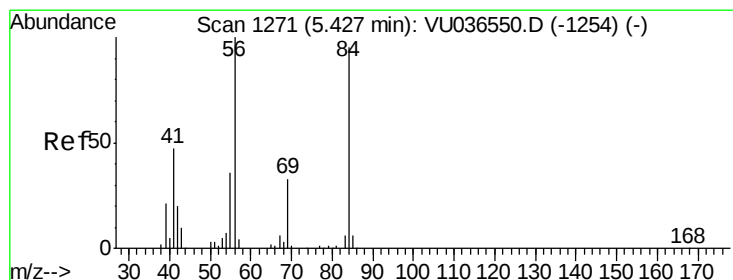
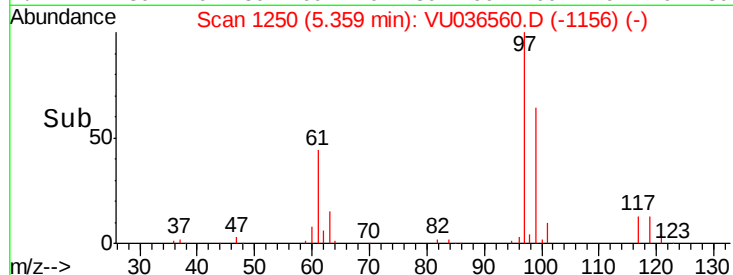
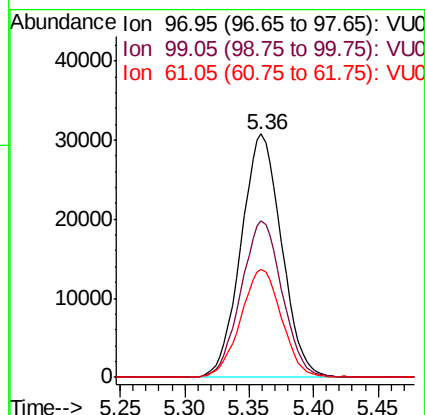
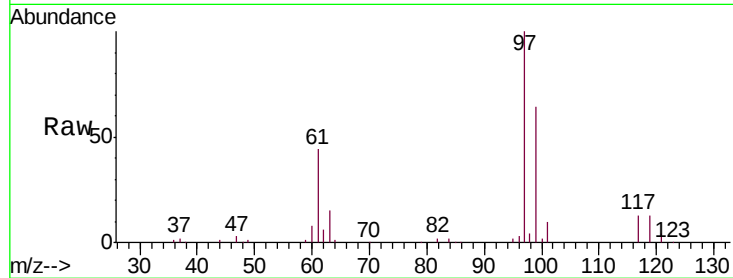




#29
 1,1,1-Trichloroethane
 Concen: 5.038 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

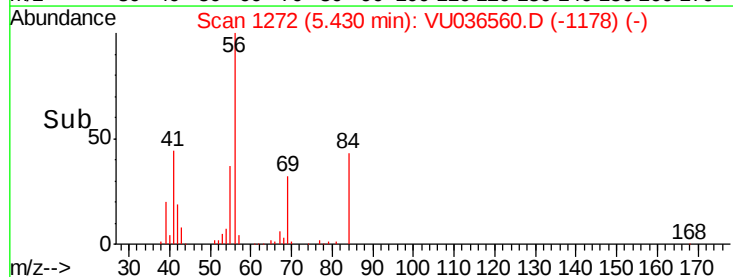
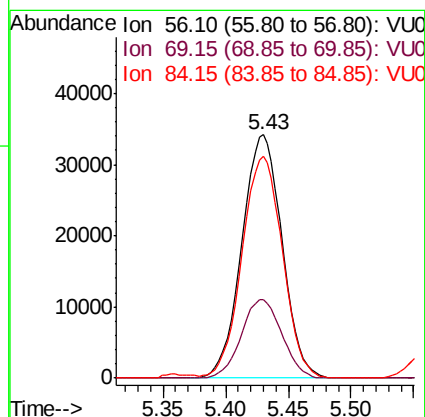
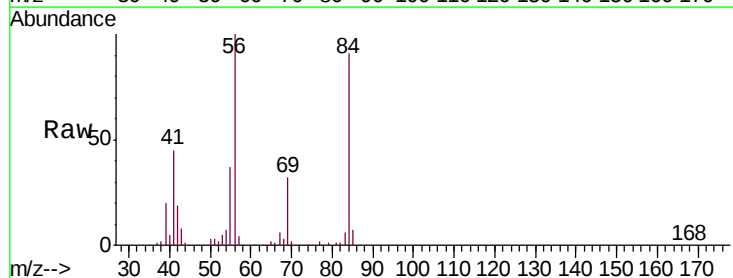
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

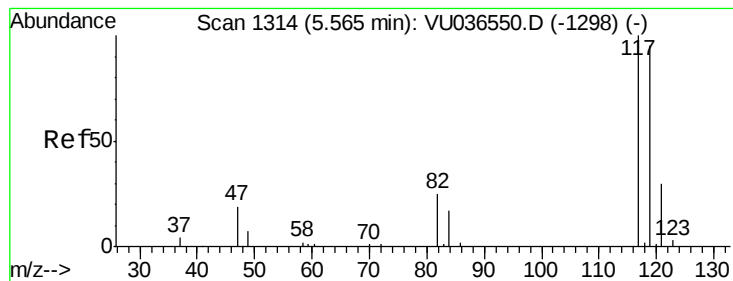
Tgt Ion: 97 Resp: 67182
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.0 78.0
 61 44.8 35.6 53.4



#30
 Cyclohexane
 Concen: 4.991 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 56 Resp: 75964
 Ion Ratio Lower Upper
 56 100
 69 32.5 25.7 38.5
 84 92.1 75.3 112.9





#31

Carbon tetrachloride

Concen: 5.206 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

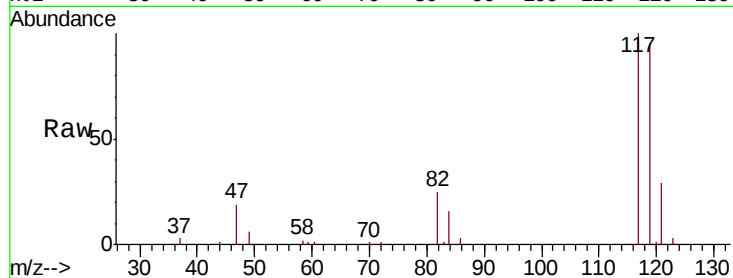
VSTD005607

Tgt Ion:117 Resp: 58883

Ion Ratio Lower Upper

117 100

119 93.8 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

30000

25000

20000

15000

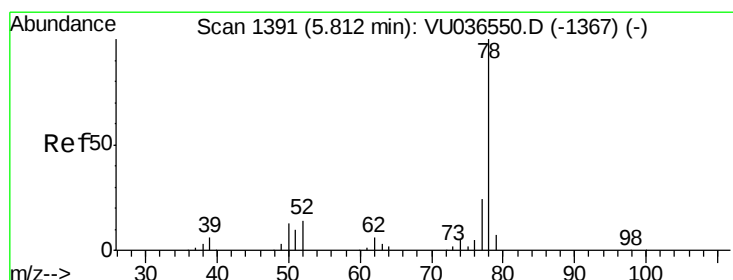
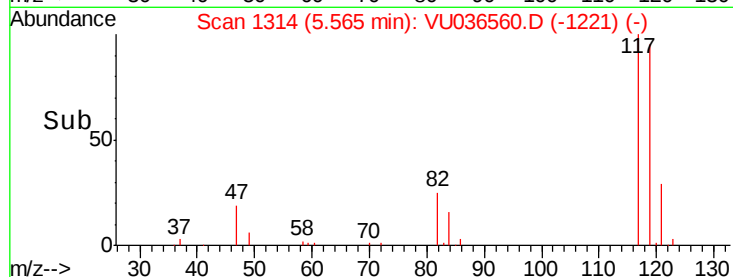
10000

5000

0

Time-->

5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.135 ug/L

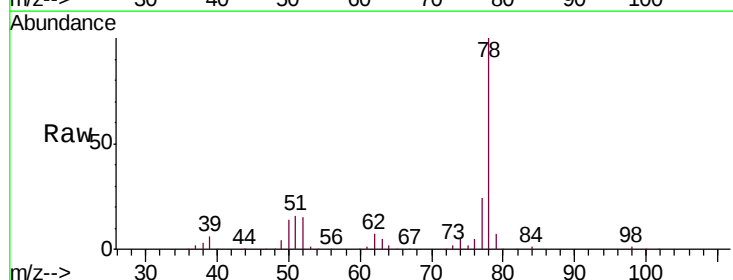
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Tgt Ion: 78 Resp: 192739



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

100000

80000

60000

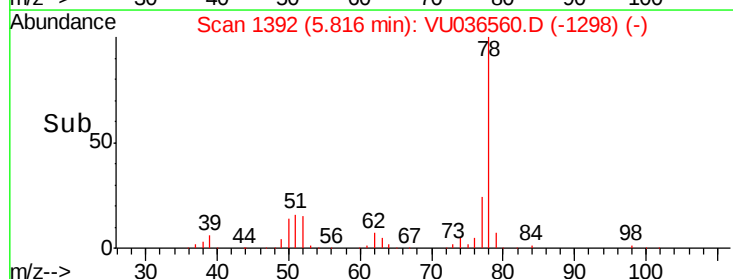
40000

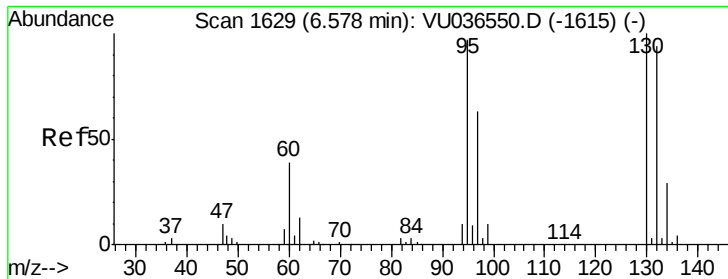
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 5.184 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005607

Tgt Ion: 95 Resp: 51536

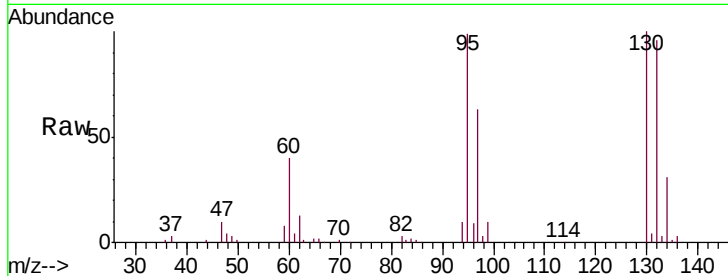
Ion Ratio Lower Upper

95 100

97 62.9 45.6 84.8

132 96.1 67.7 125.7

130 100.6 72.2 134.2

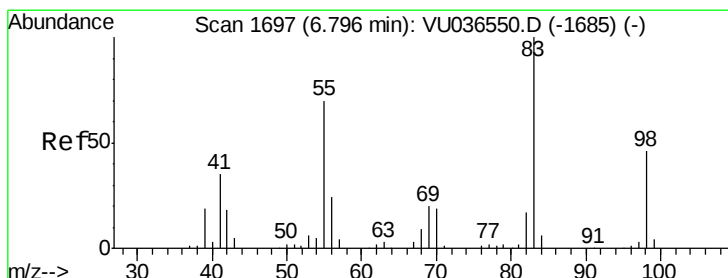
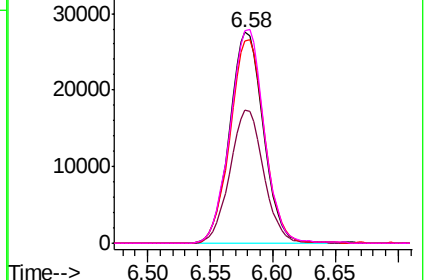
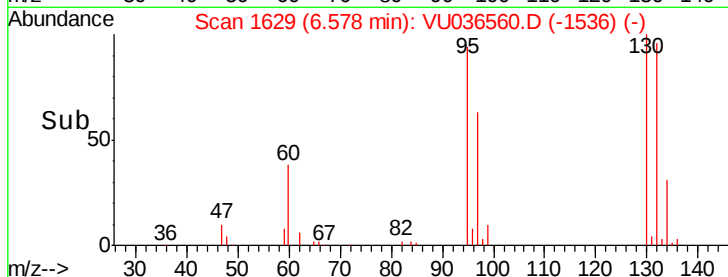


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.905 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

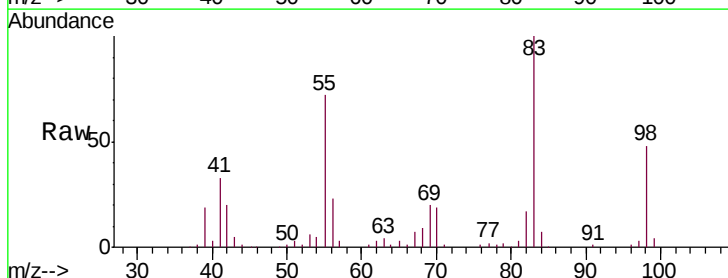
Tgt Ion: 83 Resp: 83548

Ion Ratio Lower Upper

83 100

55 72.1 56.9 85.3

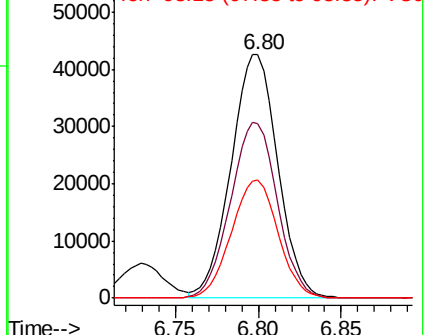
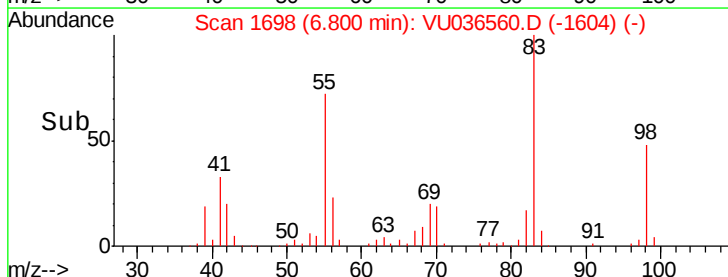
98 48.4 36.9 55.3

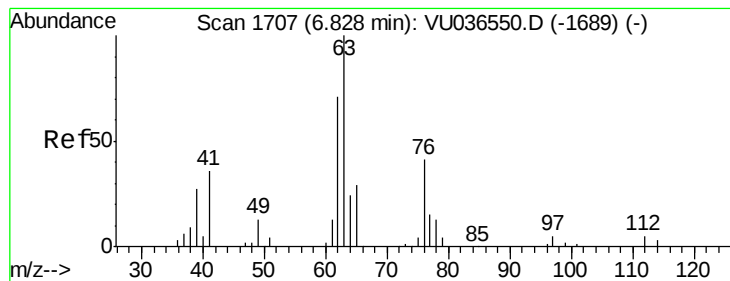


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.188 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

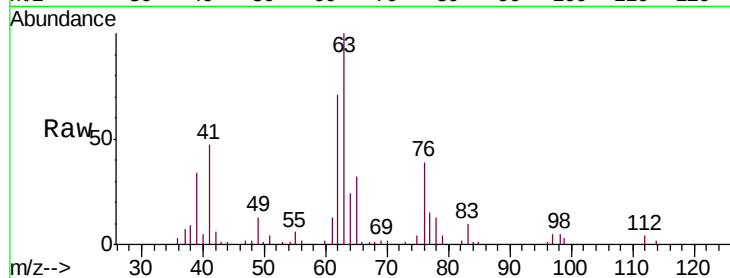
VSTD005607

Tgt Ion: 63 Resp: 48422

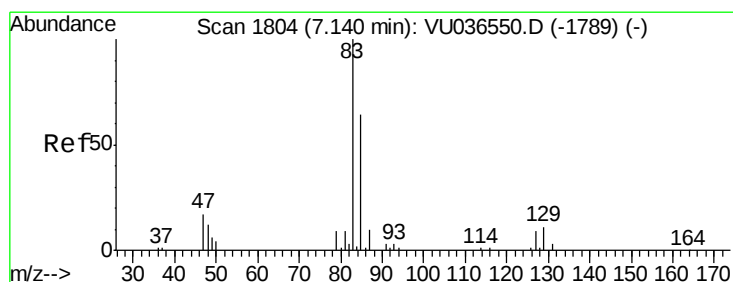
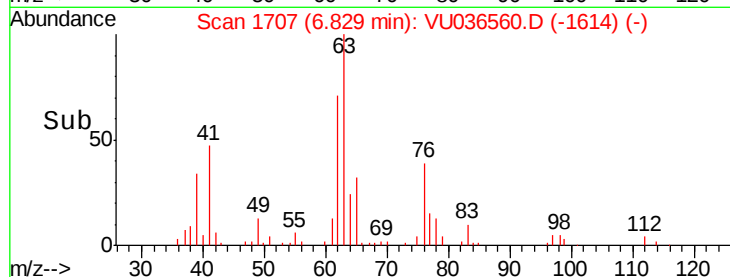
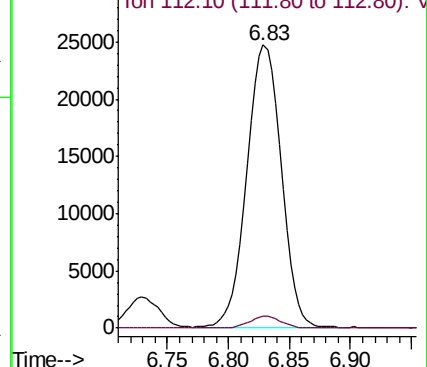
Ion Ratio Lower Upper

63 100

112 3.8 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VU036550.D (-1689) (-)



#38

Bromodichloromethane

Concen: 5.065 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

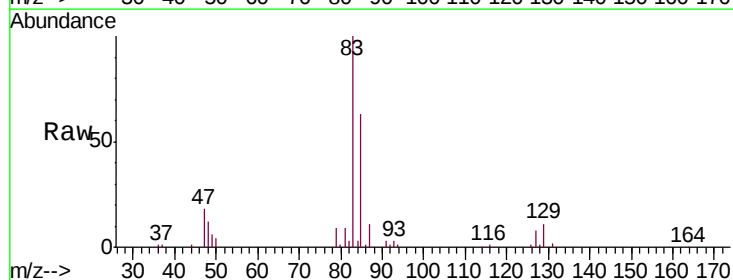
Tgt Ion: 83 Resp: 57757

Ion Ratio Lower Upper

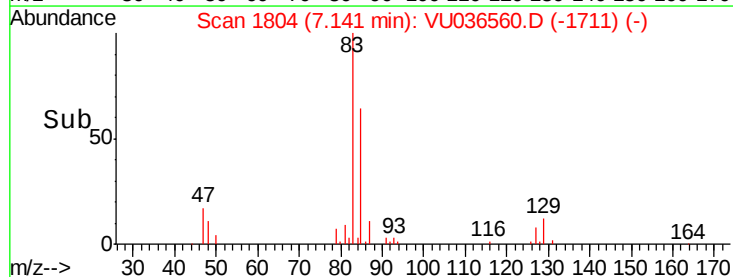
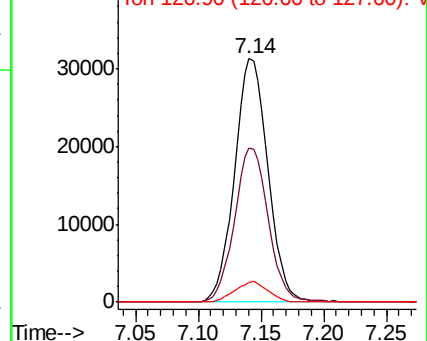
83 100

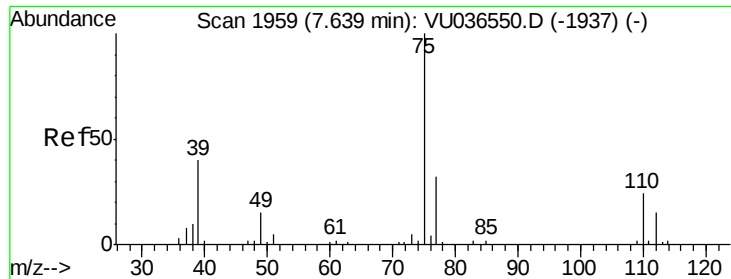
85 63.5 44.7 82.9

127 8.1 7.2 10.8



Abundance Ion 82.95 (82.65 to 83.65): VU036550.D (-1789) (-)

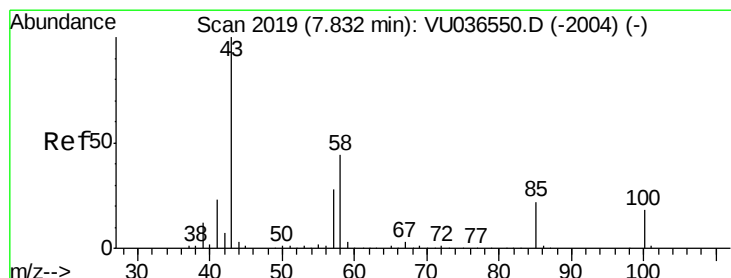
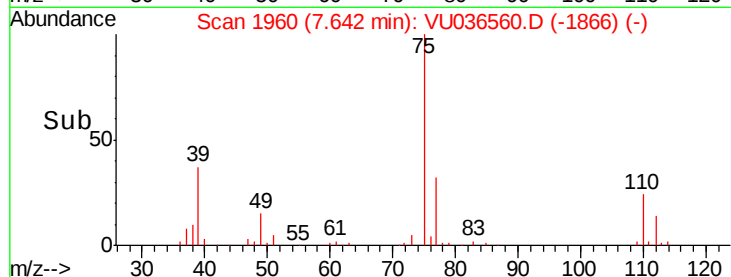
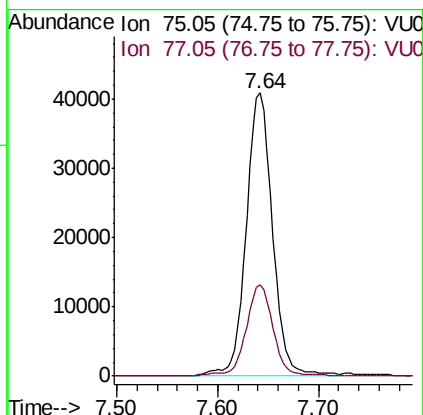
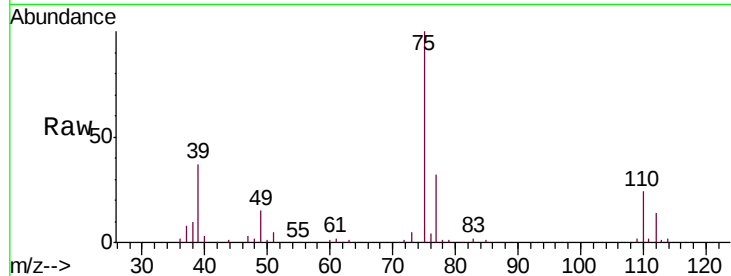




#39
 cis-1,3-Dichloropropene
 Concen: 5.114 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

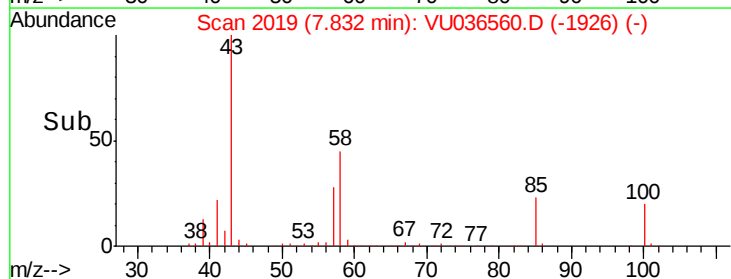
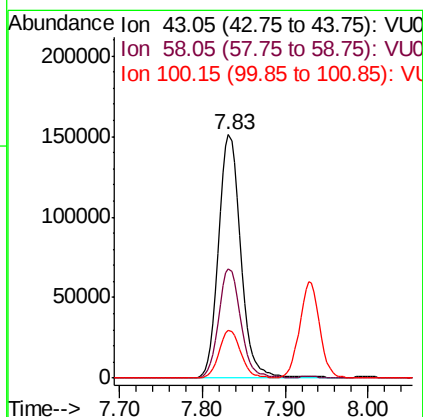
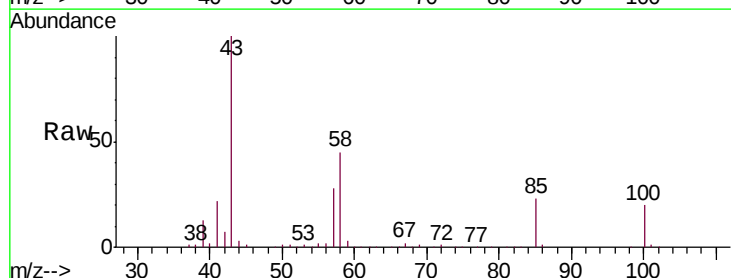
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

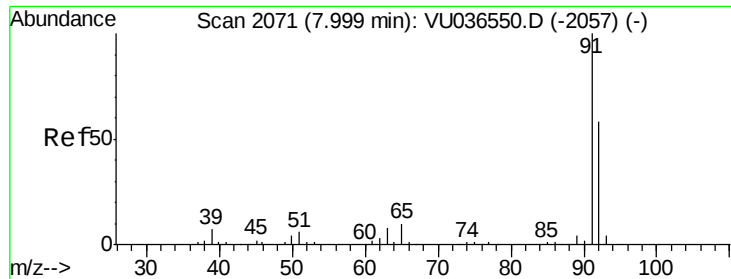
Tgt Ion: 75 Resp: 73610
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.495 ug/L
 RT: 7.83 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 43 Resp: 280802
 Ion Ratio Lower Upper
 43 100
 58 44.5 35.6 53.4
 100 19.1 14.9 22.3





#42

Toluene

Concen: 5.121 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

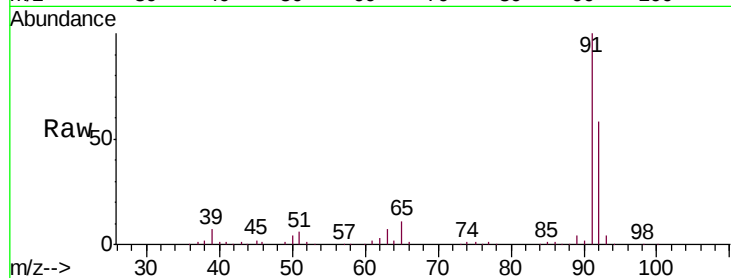
VSTD005607

Tgt Ion: 91 Resp: 212252

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036550.D (-2057) (-)

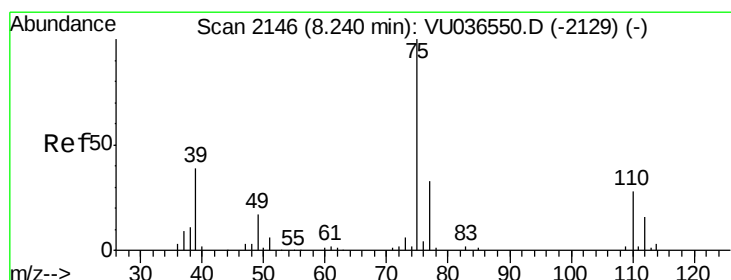
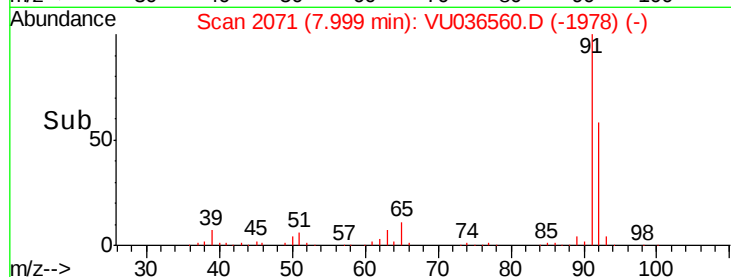
8.00

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.293 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036560.D

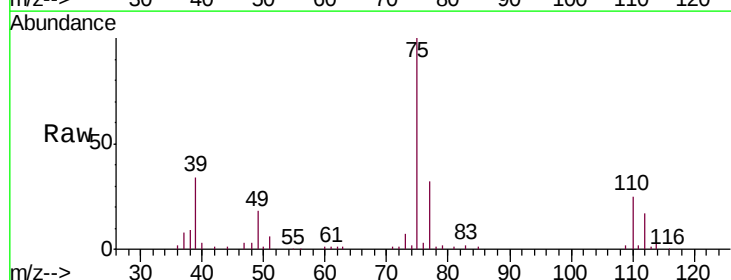
Acq: 24 Jan 2020 17:45

Tgt Ion: 75 Resp: 58639

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036550.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036550.D (-2129) (-)

8.24

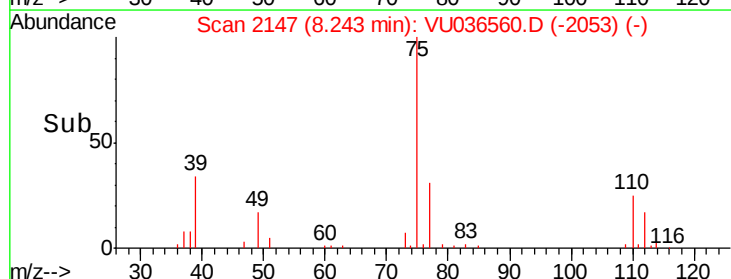
30000

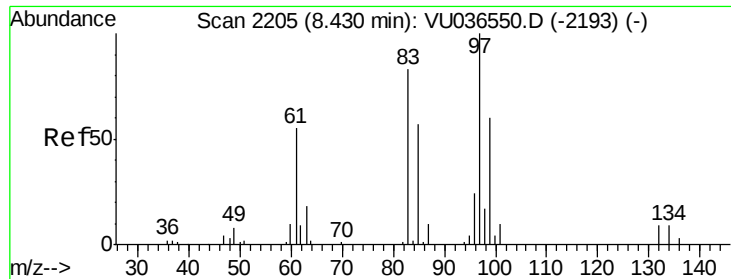
20000

10000

0

Time--> 8.20 8.30

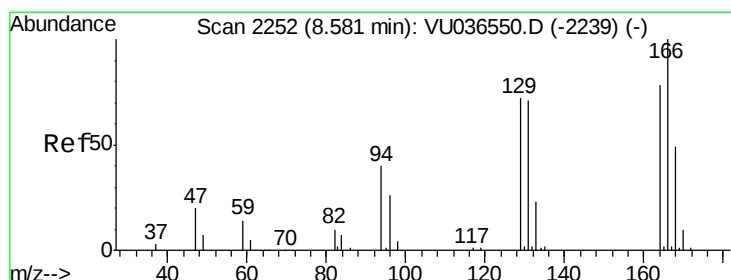
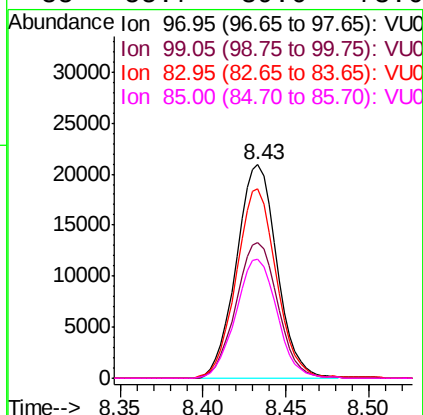
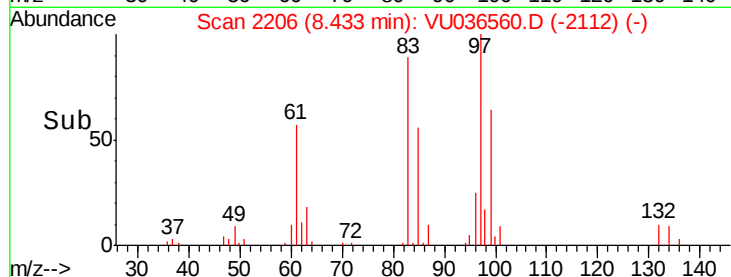
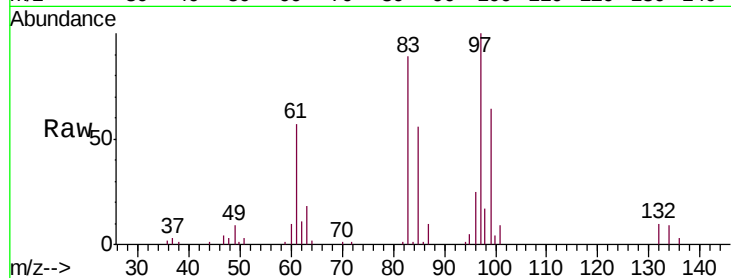




#45
 1,1,2-Trichloroethane
 Concen: 5.188 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

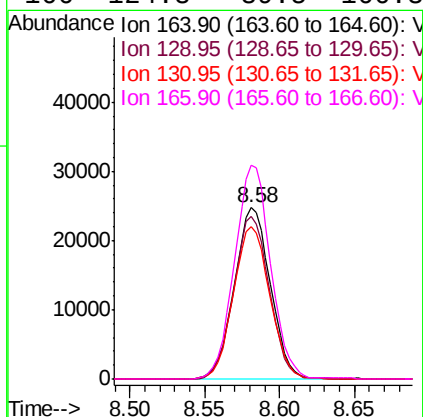
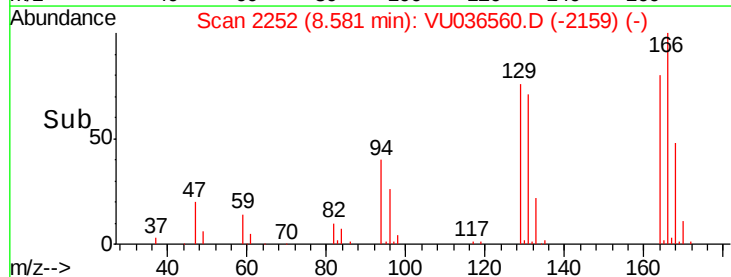
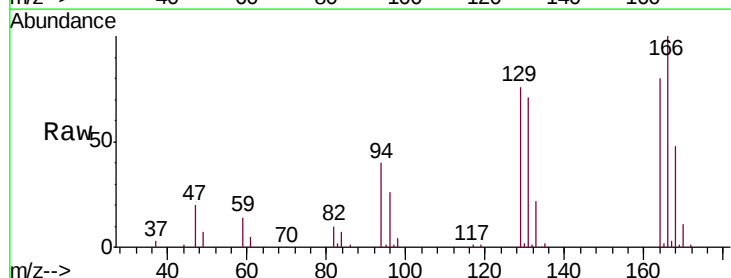
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

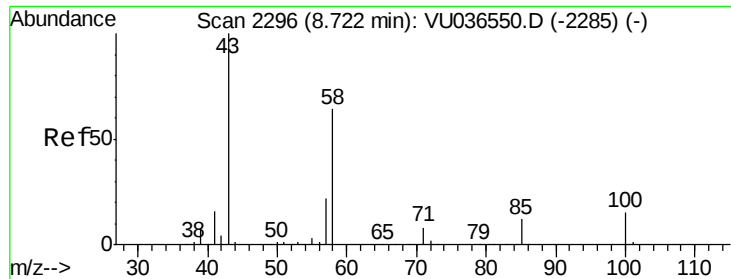
Tgt Ion:	97	Resp:	35823
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.1	78.3
83	89.0	58.4	108.6
85	55.7	39.6	73.6



#47
 Tetrachloroethene
 Concen: 5.121 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion:	164	Resp:	41453
Ion	Ratio	Lower	Upper
164	100		
129	95.4	64.7	120.1
131	89.0	64.0	118.8
166	124.8	89.5	166.3

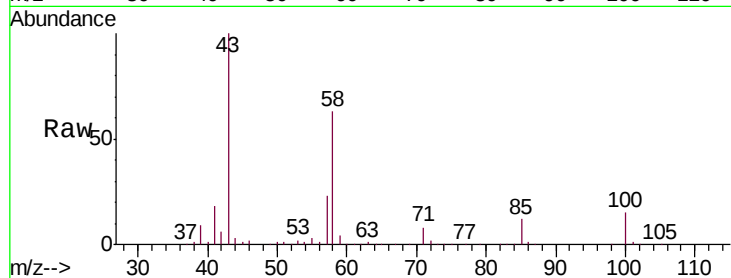




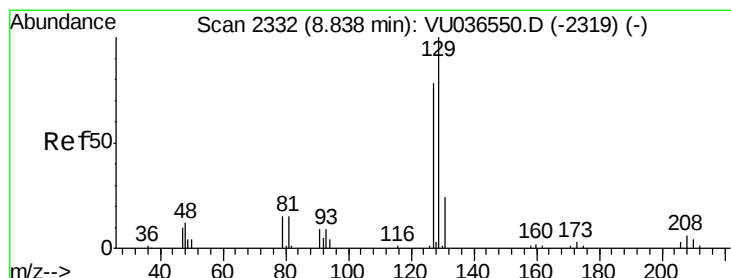
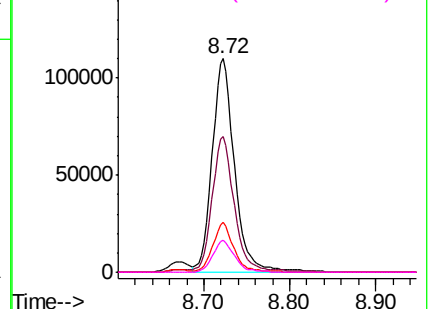
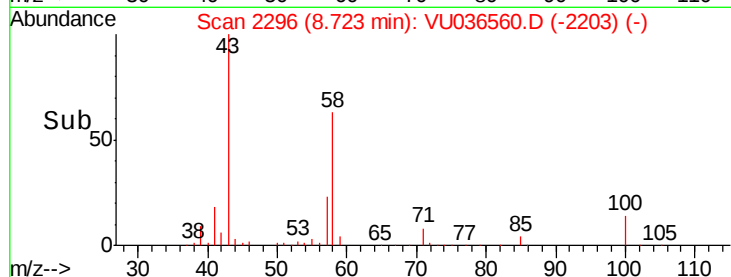
#48
2-Hexanone
Concen: 55.130 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

Tgt Ion: 43 Resp: 199647
Ion Ratio Lower Upper
43 100
58 63.7 50.2 75.2
57 21.6 17.5 26.3
100 14.5 11.5 17.3

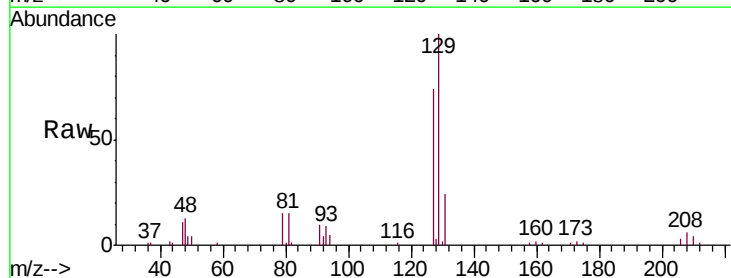


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

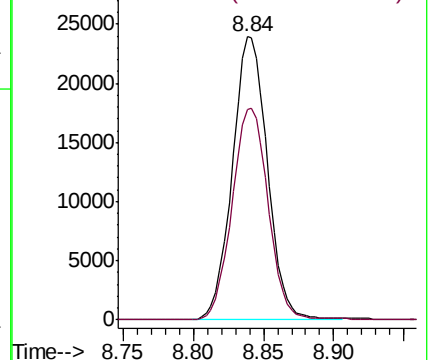
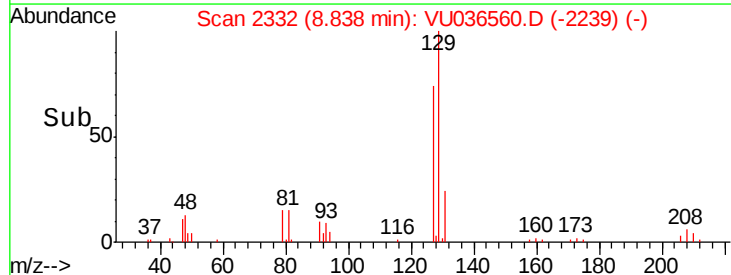


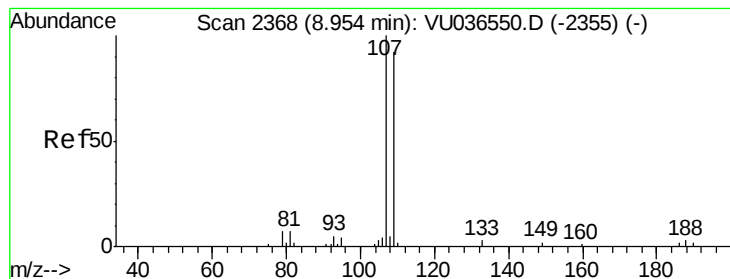
#49
Dibromochloromethane
Concen: 5.272 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Tgt Ion: 129 Resp: 41661
Ion Ratio Lower Upper
129 100
127 74.4 54.5 101.3



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





#50

1,2-Dibromoethane

Concen: 5.201 ug/L

RT: 8.95 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005607

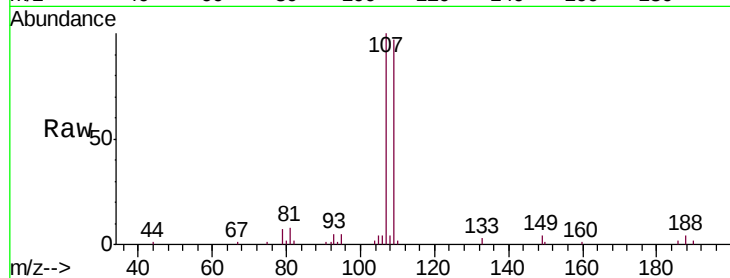
Tgt Ion:107 Resp: 34972

Ion Ratio Lower Upper

107 100

109 96.5 64.5 119.9

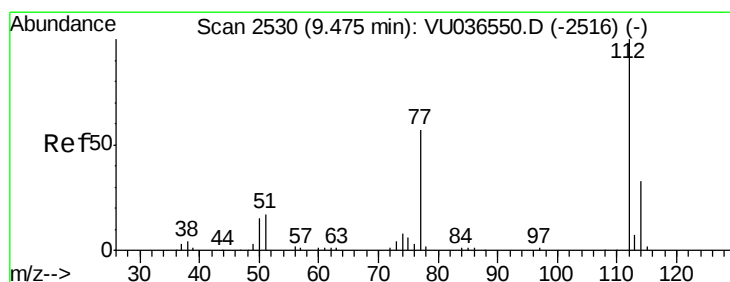
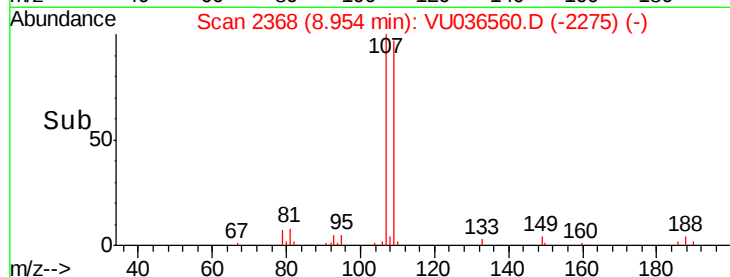
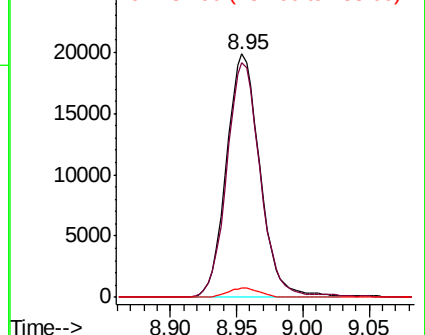
188 3.8 2.8 4.2



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: 5.096 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

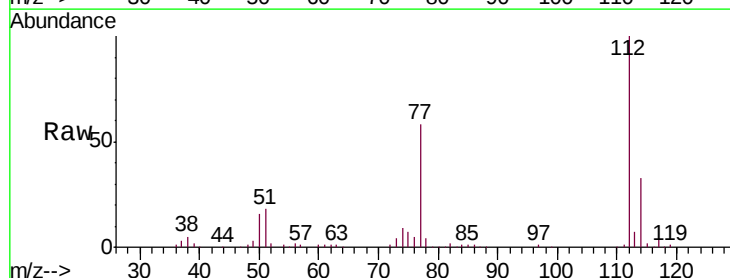
Tgt Ion:112 Resp: 135653

Ion Ratio Lower Upper

112 100

114 32.5 23.2 43.2

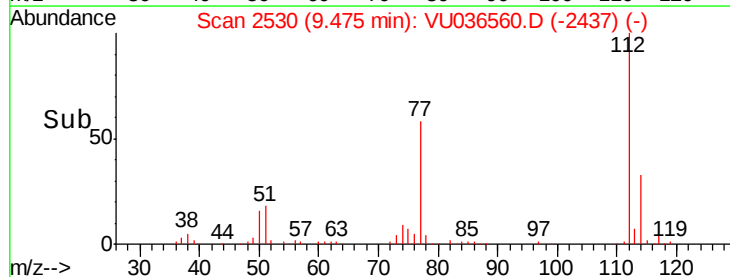
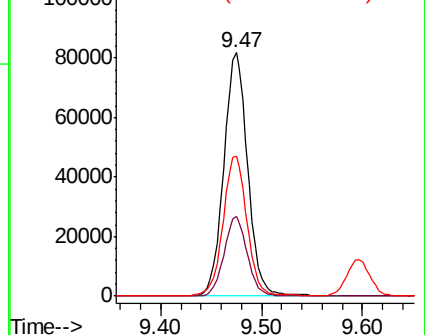
77 57.7 45.9 68.9

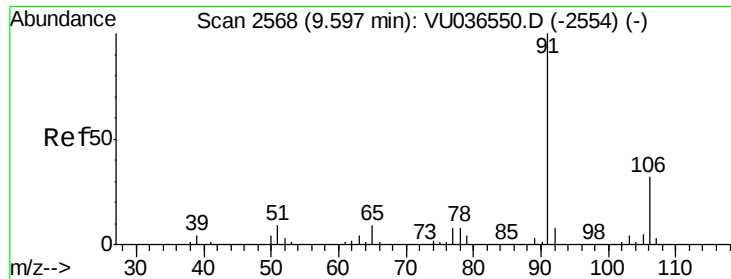


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 5.032 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

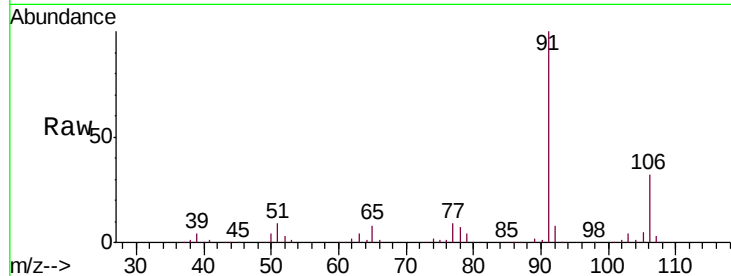
VSTD005607

Tgt Ion: 91 Resp: 227104

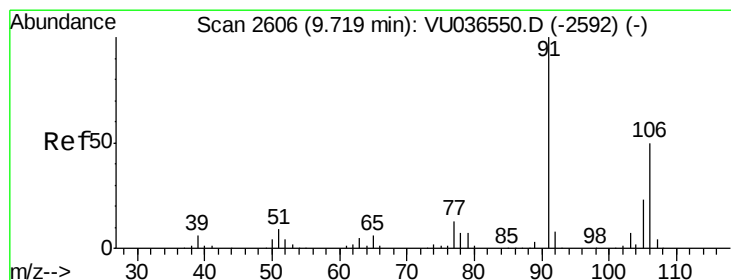
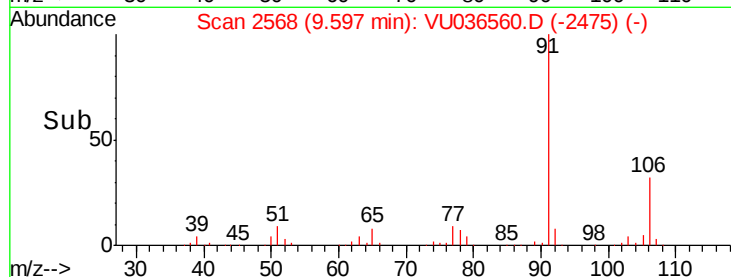
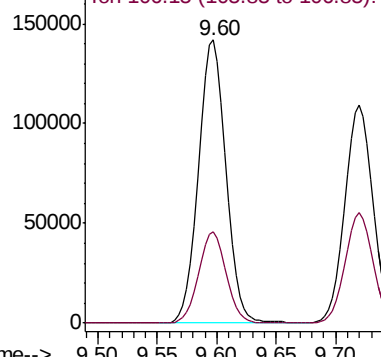
Ion Ratio Lower Upper

91 100

106 32.2 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VU036550.D (-2554) (-)



#53

m,p-Xylene

Concen: 5.181 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036560.D

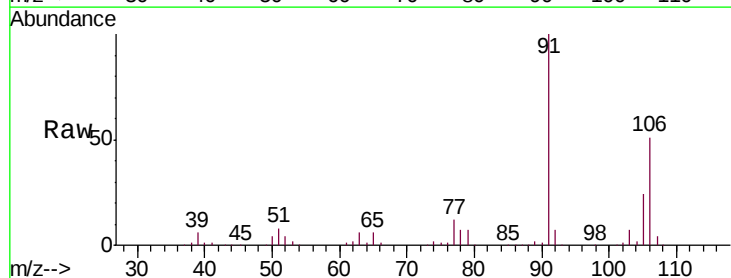
Acq: 24 Jan 2020 17:45

Tgt Ion: 106 Resp: 90708

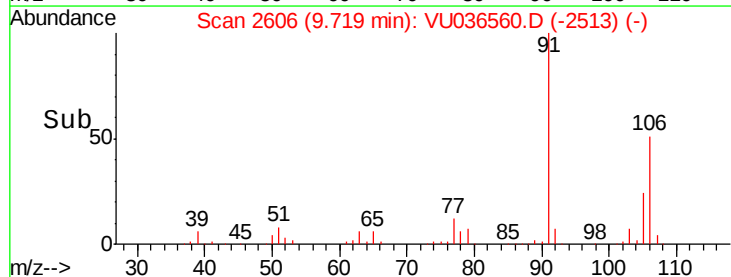
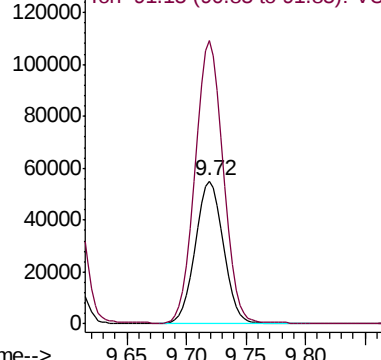
Ion Ratio Lower Upper

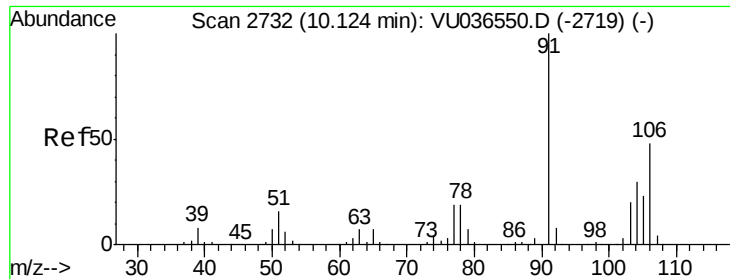
106 100

91 197.8 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036550.D (-2592) (-)





#54

o-Xylene

Concen: 5.166 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

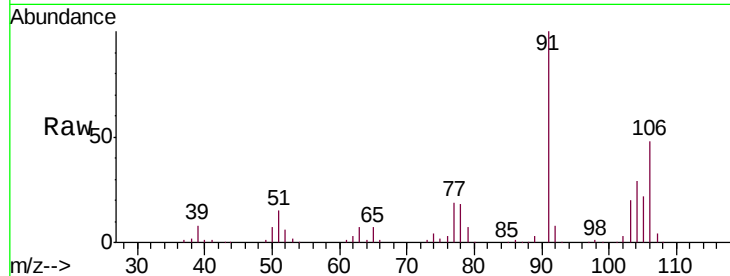
VSTD005607

Tgt Ion:106 Resp: 88647

Ion Ratio Lower Upper

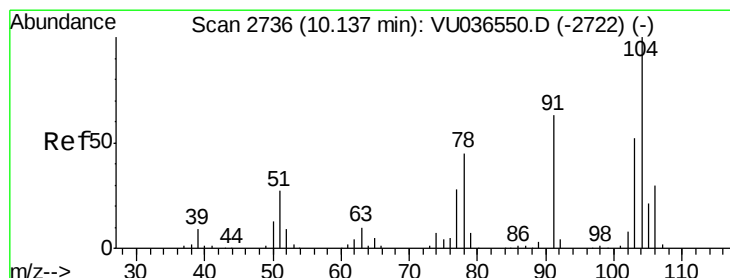
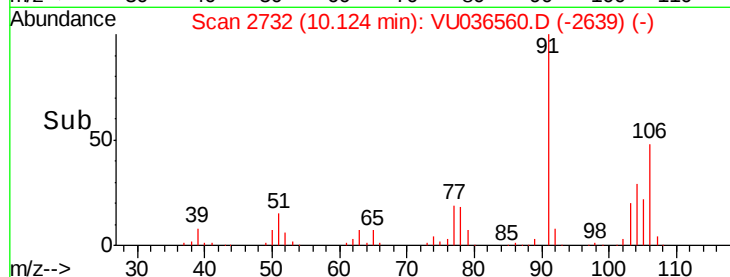
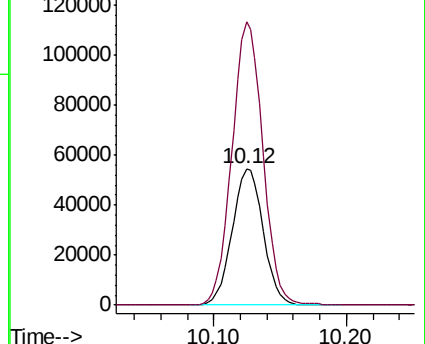
106 100

91 207.7 146.2 271.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.142 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036560.D

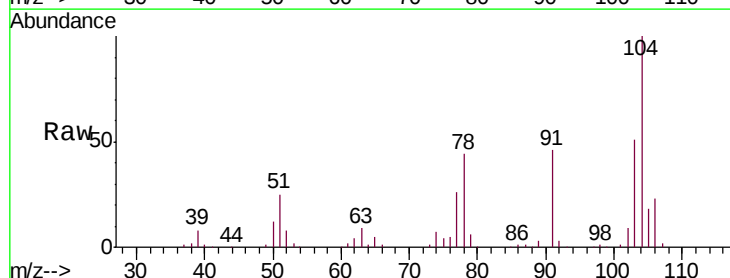
Acq: 24 Jan 2020 17:45

Tgt Ion:104 Resp: 144838

Ion Ratio Lower Upper

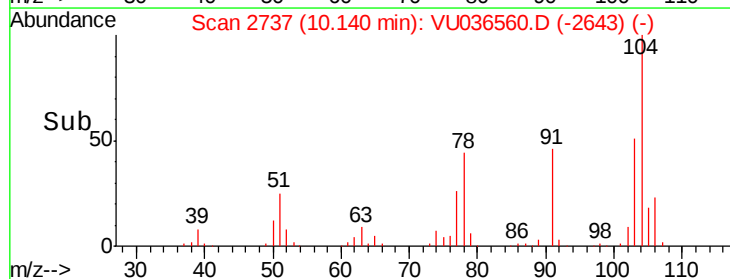
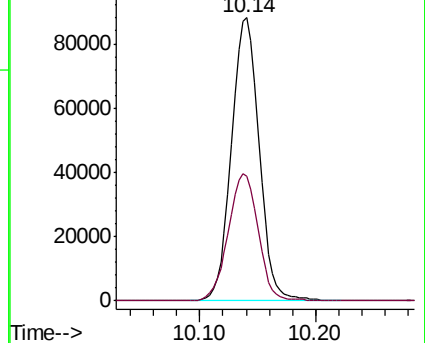
104 100

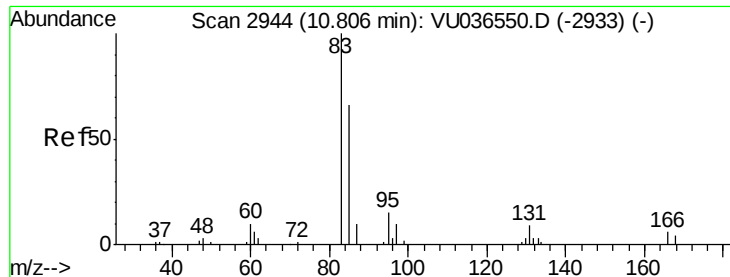
78 43.9 31.9 59.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

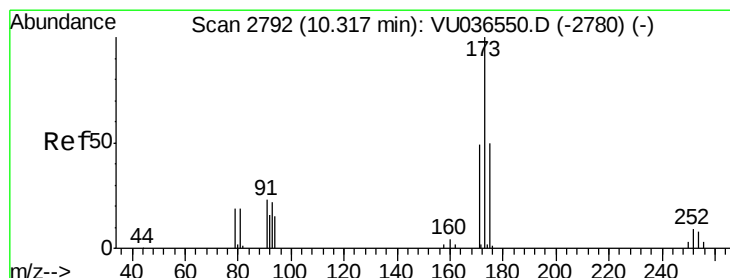
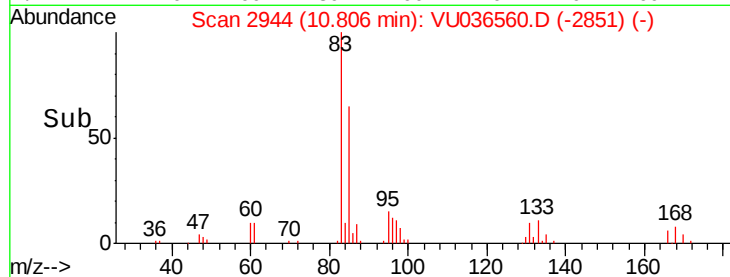
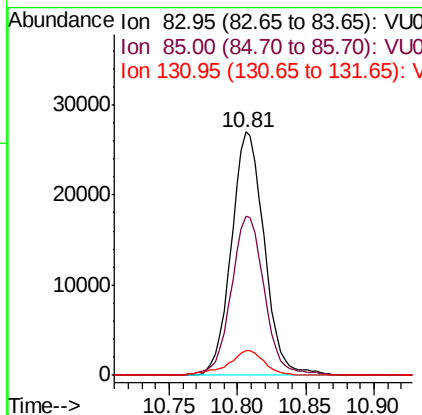
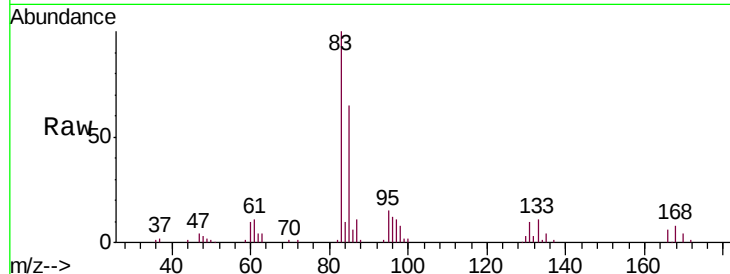




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.212 ug/L
 RT: 10.81 min Scan# 2944
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

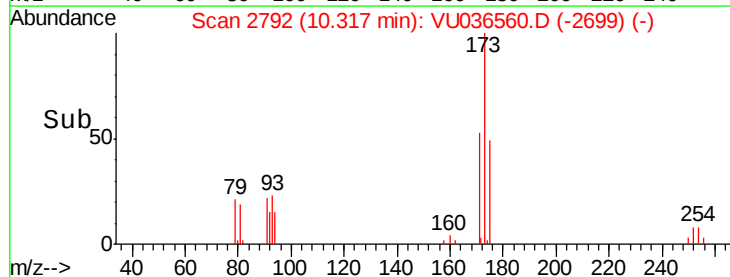
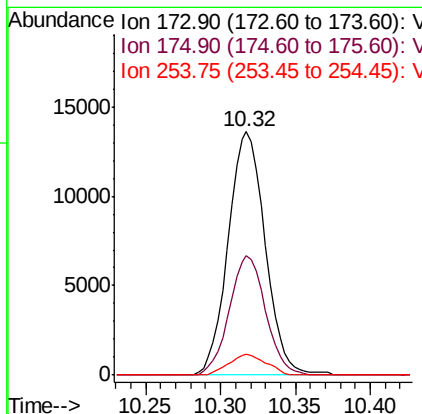
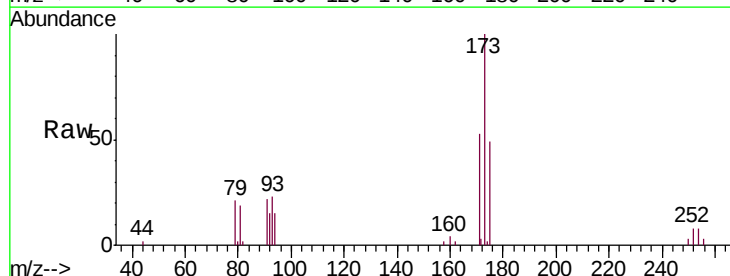
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

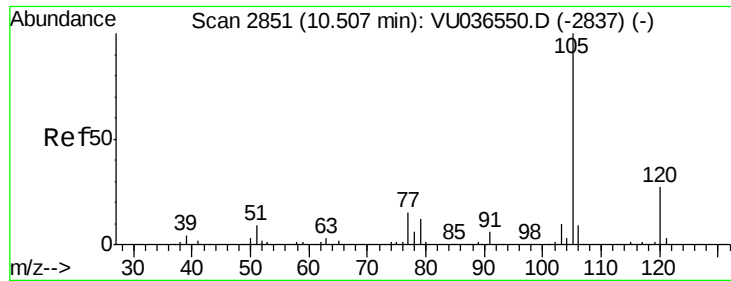
Tgt Ion: 83 Resp: 45121
 Ion Ratio Lower Upper
 83 100
 85 65.1 47.0 87.4
 131 10.0 8.1 12.1



#59
 Bromoform
 Concen: 5.133 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 173 Resp: 23400
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.0 58.4
 254 8.6 6.3 9.5





#60

Isopropylbenzene

Concen: 5.046 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD005607

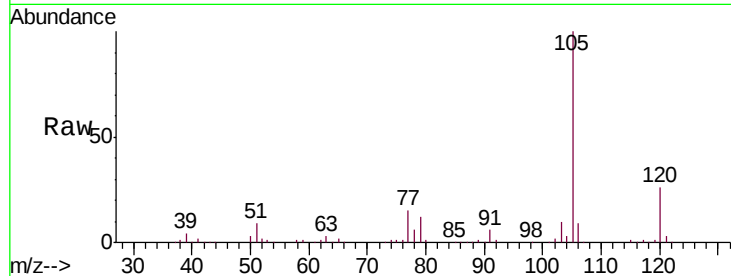
Tgt Ion: 105 Resp: 231448

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

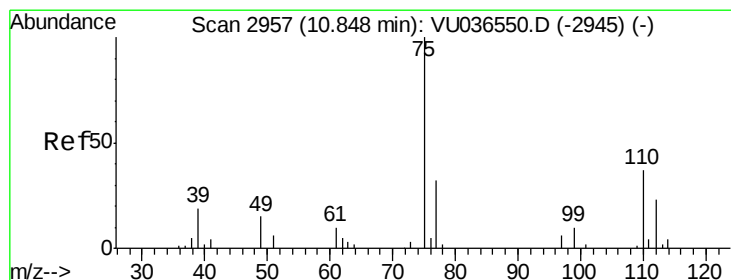
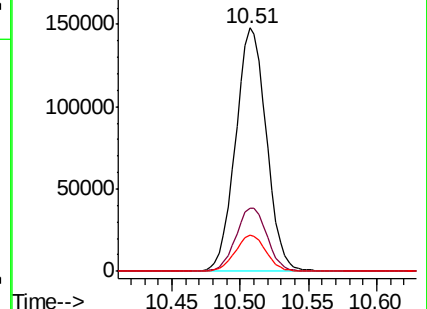
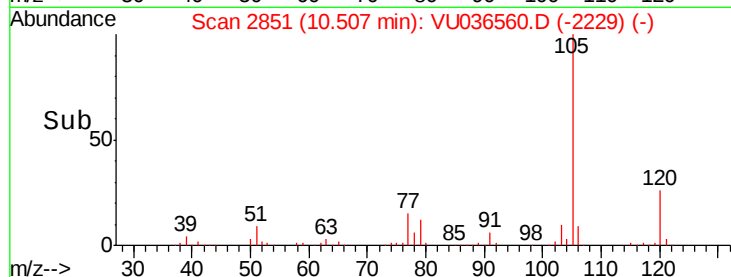
77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 5.082 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036560.D

Acq: 24 Jan 2020 17:45

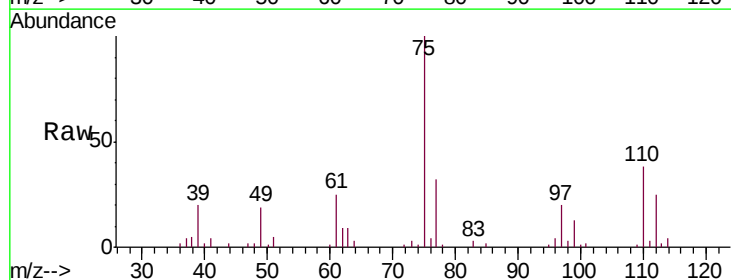
Tgt Ion: 75 Resp: 32095

Ion Ratio Lower Upper

75 100

110 37.7 29.0 43.4

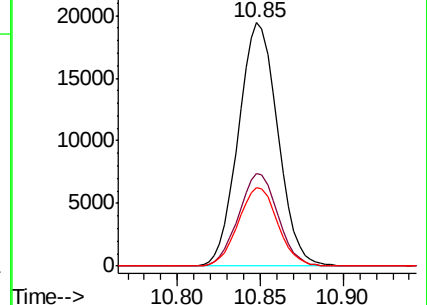
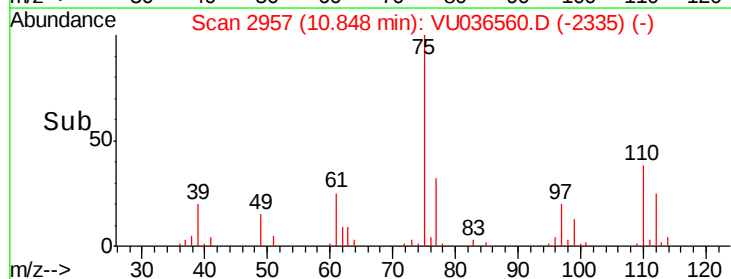
77 32.3 25.8 38.6

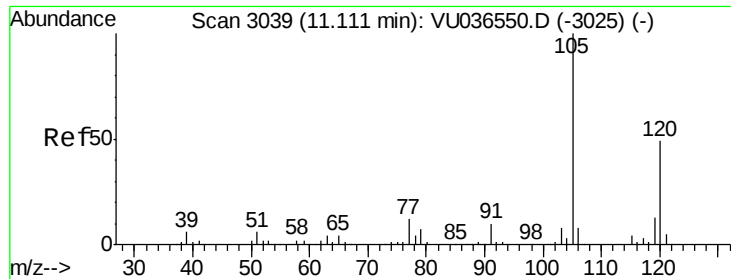


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU

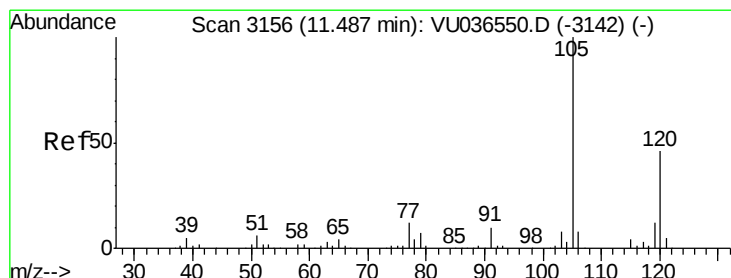
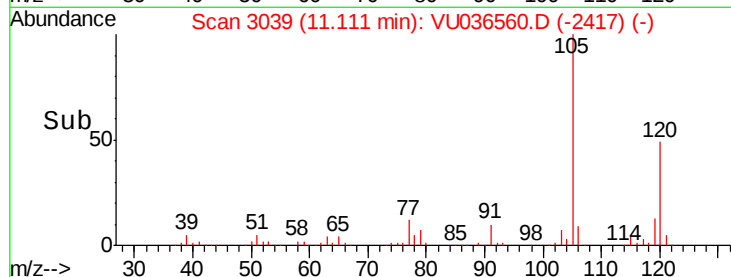
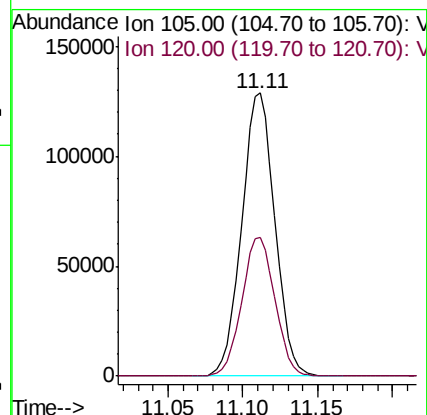
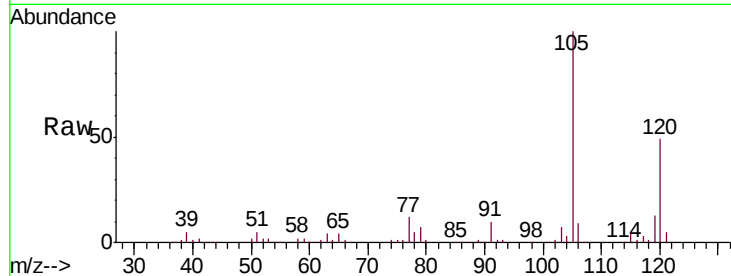




#62
1,3,5-Trimethylbenzene
Concen: 5.038 ug/L
RT: 11.11 min Scan# 3039
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

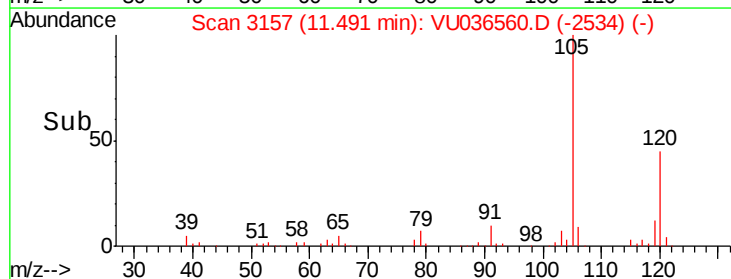
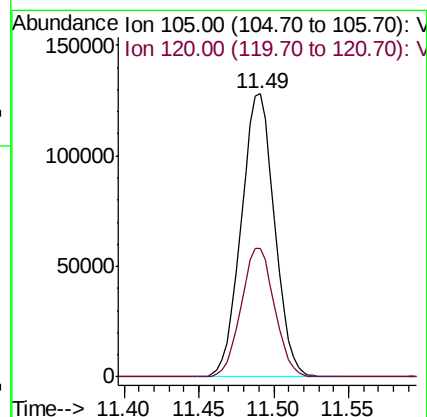
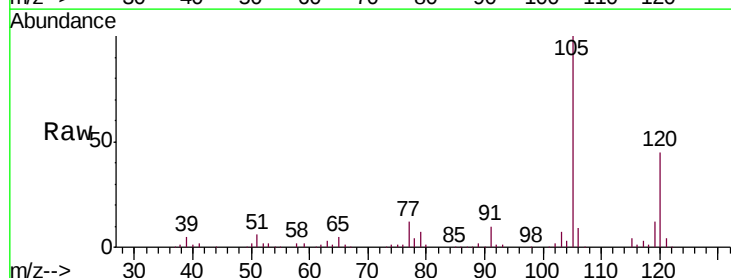
Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

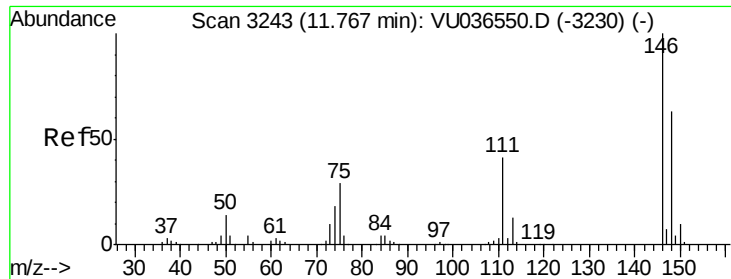
Tgt Ion:105 Resp: 198024
Ion Ratio Lower Upper
105 100
120 49.0 39.7 59.5



#63
1,2,4-Trimethylbenzene
Concen: 5.089 ug/L
RT: 11.49 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Tgt Ion:105 Resp: 198498
Ion Ratio Lower Upper
105 100
120 45.6 36.9 55.3

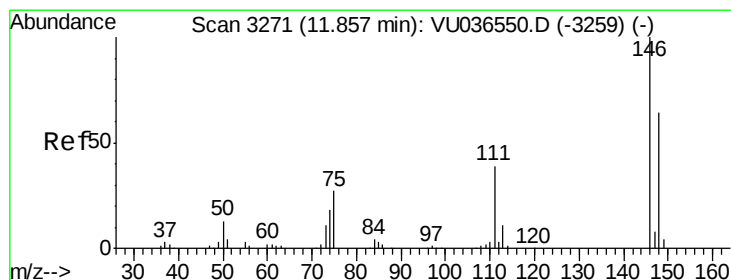
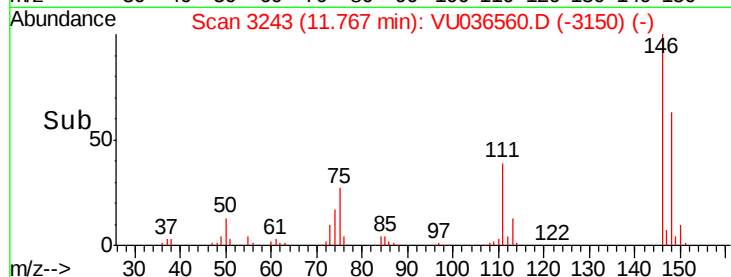
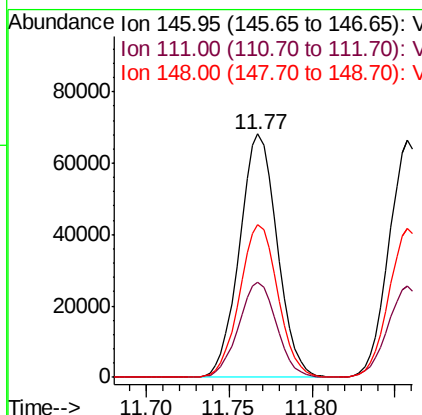
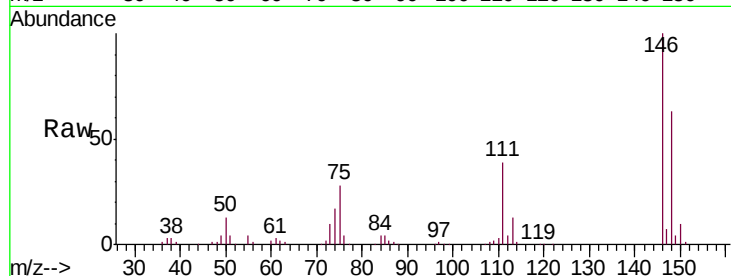




#64
 1,3-Dichlorobenzene
 Concen: 5.053 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

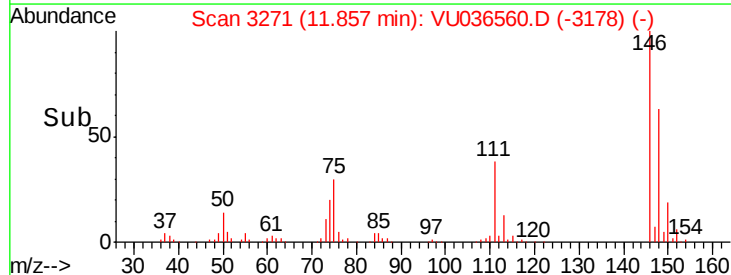
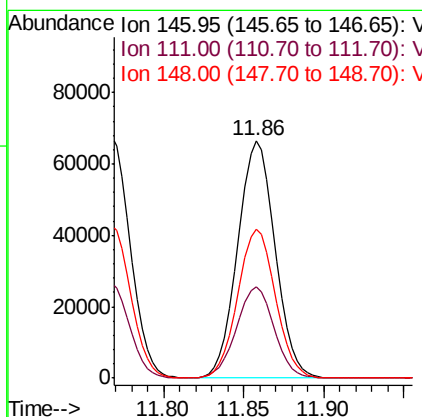
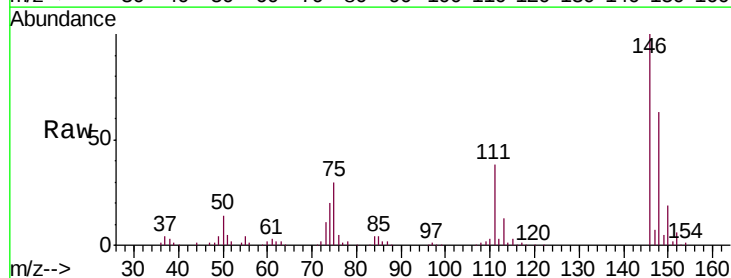
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

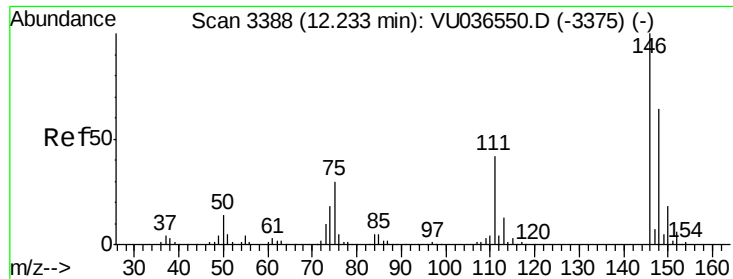
Tgt Ion:146 Resp: 108041
 Ion Ratio Lower Upper
 146 100
 111 39.0 28.8 53.6
 148 62.7 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 4.954 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion:146 Resp: 106017
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.2 50.6
 148 62.7 44.8 83.2

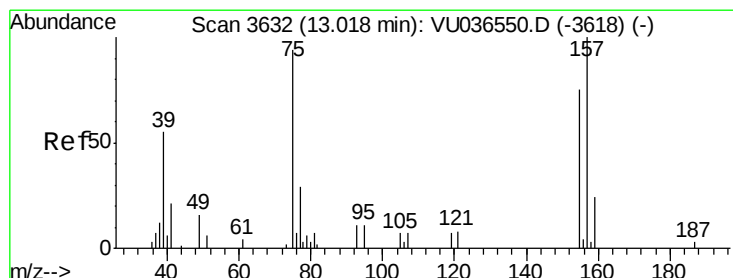
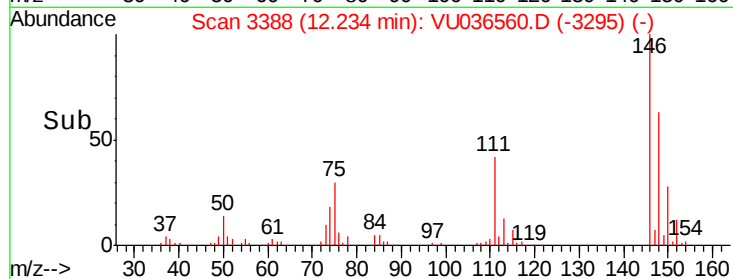
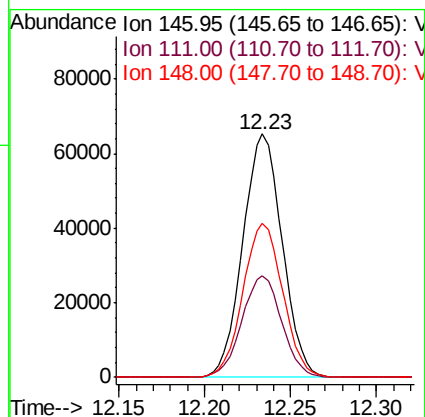
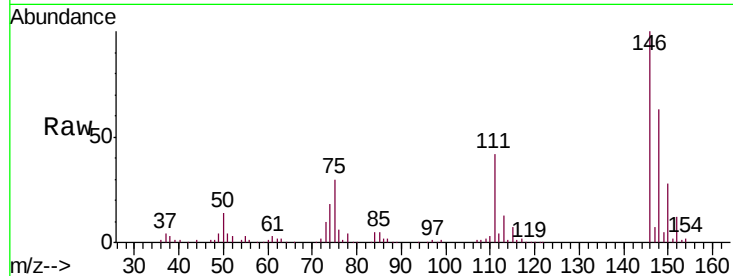




#67
 1,2-Dichlorobenzene
 Concen: 5.095 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

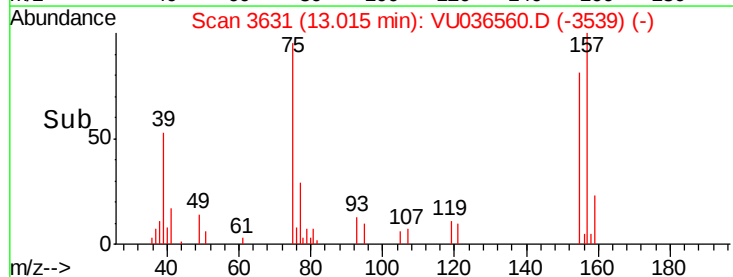
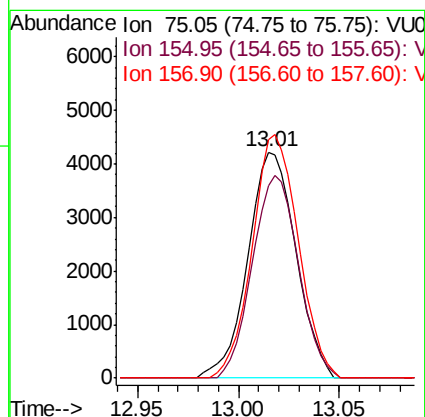
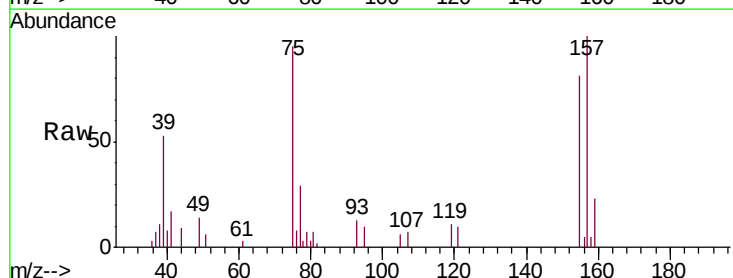
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD005607

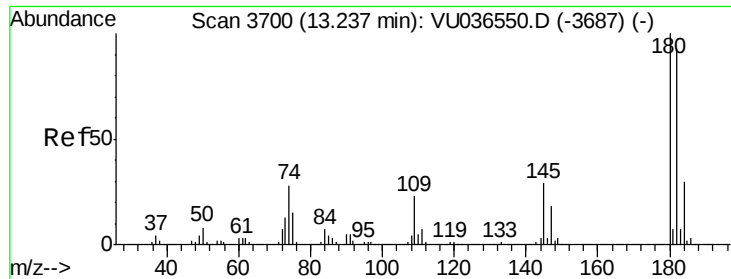
Tgt Ion:146 Resp: 104068
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.4 50.0
 148 63.2 51.0 76.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 5.256 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion: 75 Resp: 7033
 Ion Ratio Lower Upper
 75 100
 155 85.3 64.2 96.4
 157 105.5 85.1 127.7

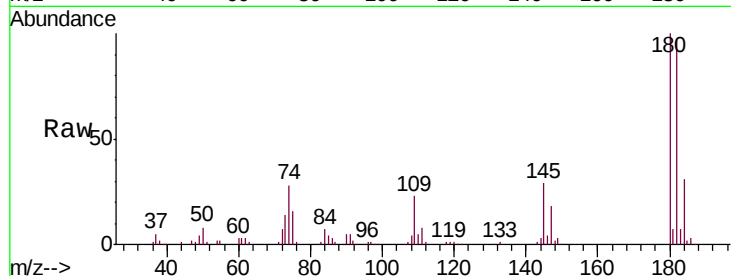




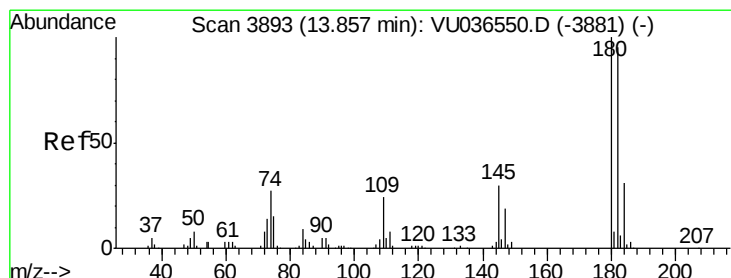
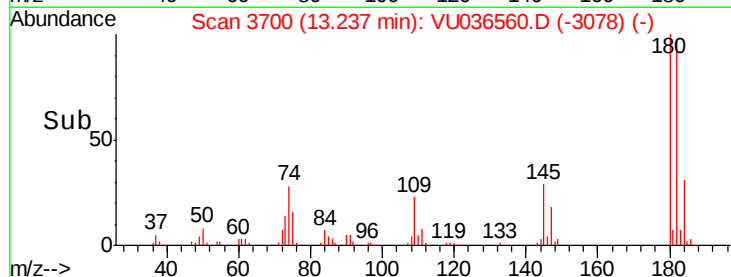
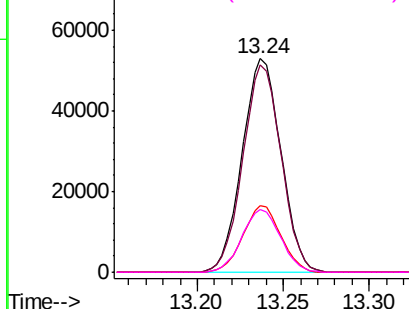
#69
 1,3,5-Trichlorobenzene
 Concen: 5.041 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005607

Tgt Ion:180 Resp: 82824
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.2 112.8
 184 30.5 23.9 35.9
 145 29.0 22.7 34.1

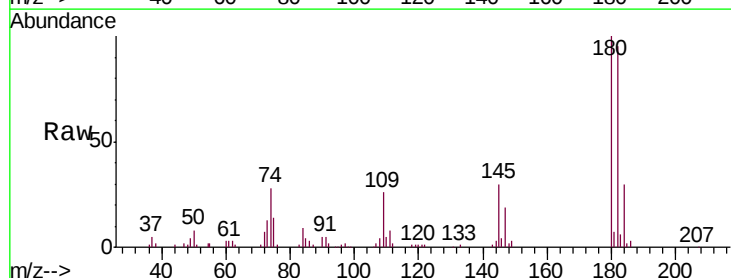


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

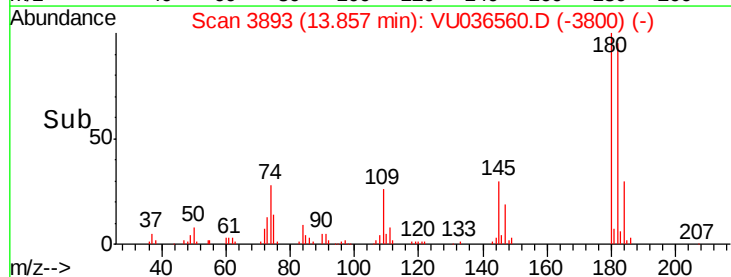
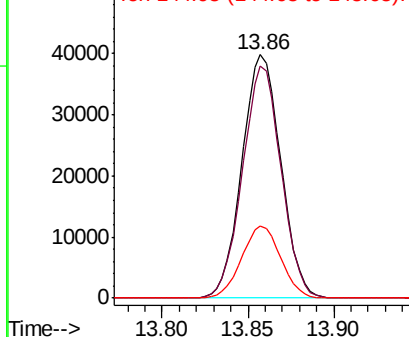


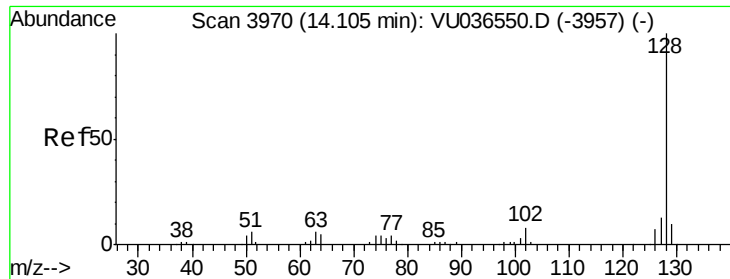
#70
 1,2,4-trichlorobenzene
 Concen: 5.234 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036560.D
 Acq: 24 Jan 2020 17:45

Tgt Ion:180 Resp: 62488
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.4
 145 29.8 23.9 35.9



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

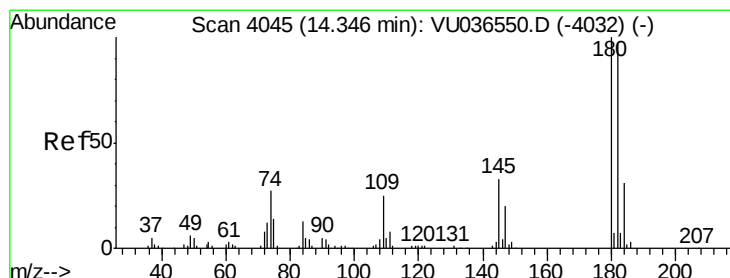
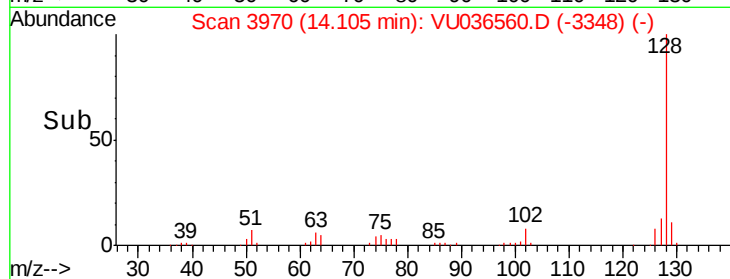
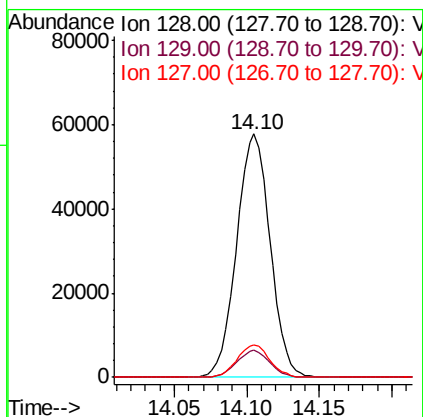
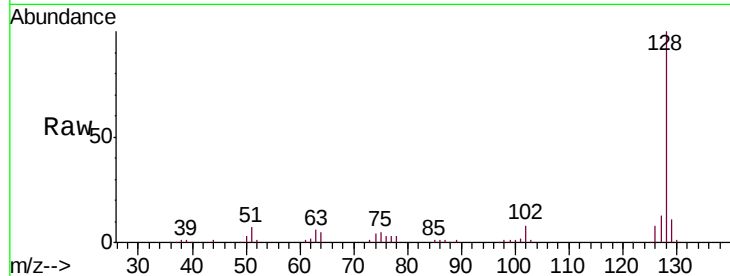




#71
Naphthalene
Concen: 5.442 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD005607

Tgt Ion:128 Resp: 92680
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 13.0 9.9 14.9



#72
1,2,3-Trichlorobenzene
Concen: 5.366 ug/L
RT: 14.35 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VU036560.D
Acq: 24 Jan 2020 17:45

Tgt Ion:180 Resp: 57906
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.2
145 32.1 25.6 38.4

