

Data File : VU041407.D
Acq On : 23 Nov 2020 23:25
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Quant Time: Nov 24 01:57:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 24 01:52:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67384	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	70848	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37913	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	21175	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	16503	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.58	63	51846	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.60%
20) 2-Butanone-d5	4.66	46	69912	57.94	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.88%
24) Chloroform-d	5.08	84	47872	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	30087	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.74	84	77476	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	27973	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.90	98	84462	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	8.19	79	12869	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.64	63	50262	61.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25886	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	31286	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	35877	5.511	ug/L 98
3) Chloromethane	1.52	50	26986	4.875	ug/L 97
5) Vinyl chloride	1.61	62	28963	4.919	ug/L 96
6) Bromomethane	1.86	94	8606	3.875	ug/L 97
8) Chloroethane	1.94	64	17652	5.288	ug/L 95
9) Trichlorofluoromethane	2.15	101	51375	5.634	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	26525	5.647	ug/L 97
12) 1,1-Dichloroethene	2.59	96	24834	5.985	ug/L 90
13) Acetone	2.68	43	57482	70.495	ug/L 99
14) Carbon disulfide	2.81	76	80768	5.573	ug/L 99
15) Methyl Acetate	2.97	43	14007	7.291	ug/L 99
16) Methylene chloride	3.06	84	38745	6.534	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	56260	5.445	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	24425	5.428	ug/L 98
19) 1,1-Dichloroethane	3.89	63	48648	5.434	ug/L 96
21) 2-Butanone	4.74	43	78911	60.930	ug/L 100
22) cis-1,2-Dichloroethene	4.68	96	24323	5.083	ug/L 96

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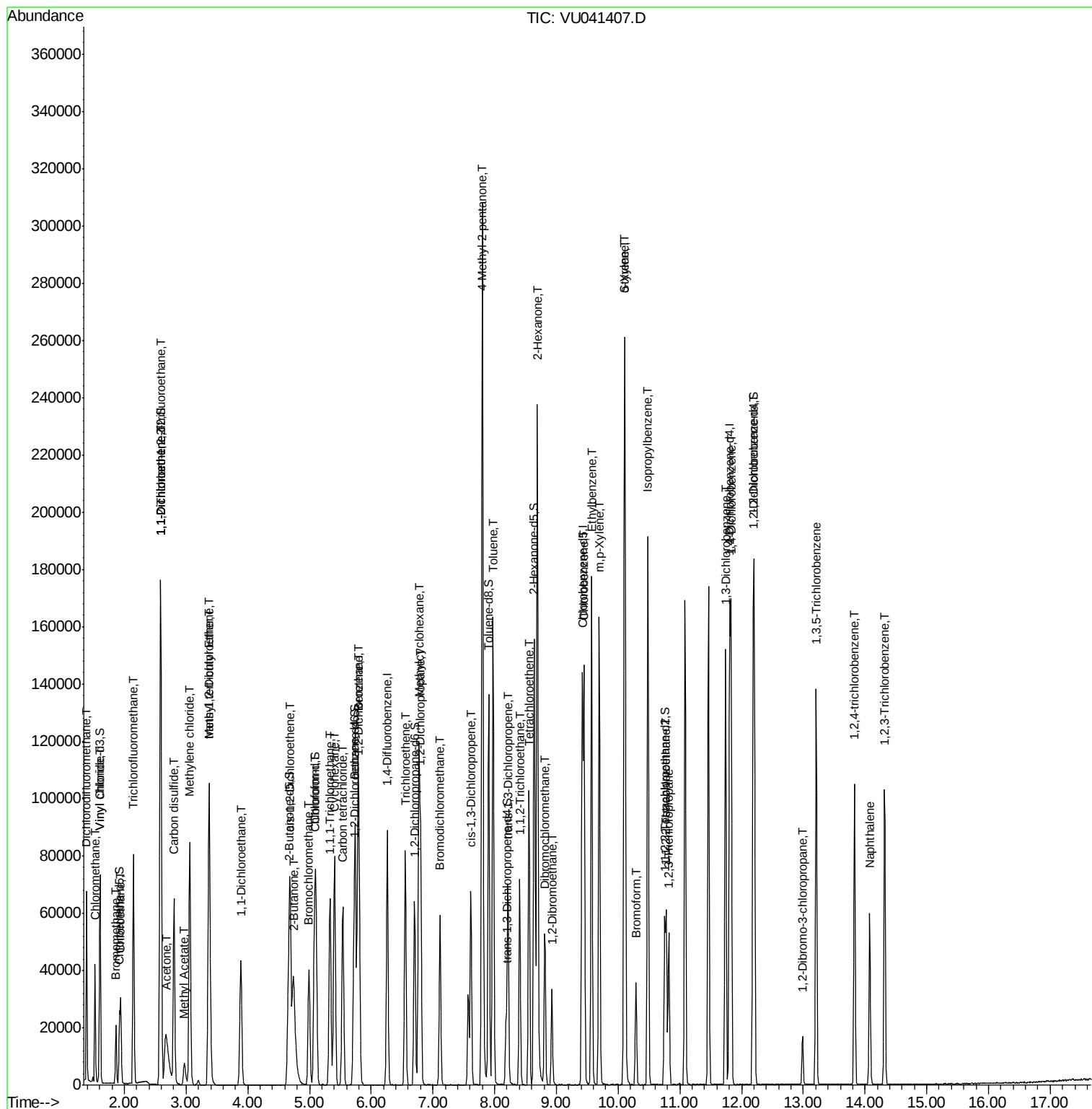
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	12558	5.942	ug/L	96
25) Chloroform	5.11	83	50876	5.172	ug/L	96
27) 1,2-Dichloroethane	5.81	62	37435	5.845	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	46687	5.274	ug/L	99
30) Cyclohexane	5.40	56	35279	4.674	ug/L	96
31) Carbon tetrachloride	5.54	117	42201	5.297	ug/L	98
33) Benzene	5.79	78	92888	4.888	ug/L	100
34) Trichloroethene	6.55	95	27208	5.257	ug/L	97
35) Methylcyclohexane	6.77	83	37742	5.001	ug/L	98
37) 1,2-Dichloropropane	6.80	63	28518	5.470	ug/L	99
38) Bromodichloromethane	7.11	83	38847	5.502	ug/L	94
39) cis-1,3-Dichloropropene	7.61	75	37711	5.240	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	205244	64.157	ug/L	99
42) Toluene	7.97	91	111260	5.491	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	37024	5.638	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	21128	5.912	ug/L	96
47) Tetrachloroethene	8.56	164	20533	5.299	ug/L	97
48) 2-Hexanone	8.69	43	158169	67.394	ug/L	98
49) Dibromochloromethane	8.81	129	26209	5.759	ug/L	99
50) 1,2-Dibromoethane	8.92	107	20614	6.032	ug/L #	98
51) Chlorobenzene	9.45	112	70379	5.366	ug/L	95
52) Ethylbenzene	9.57	91	114866	5.303	ug/L	99
53) m,p-Xylene	9.69	106	43295	5.458	ug/L	99
54) o-Xylene	10.10	106	40873	5.349	ug/L	93
55) Styrene	10.11	104	73290	5.747	ug/L	98
56) Isopropylbenzene	10.48	105	114357	5.573	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	26922	6.055	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	21673	6.363	ug/L	99
61) Bromoform	10.29	173	15502	5.799	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	57501	5.245	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	56752	5.235	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	53776	5.302	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	4499	5.660	ug/L	86
67) 1,3,5-Trichlorobenzene	13.21	180	39818	5.167	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	30735	5.081	ug/L	98
69) Naphthalene	14.08	128	46739	4.918	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	29423	5.323	ug/L	98

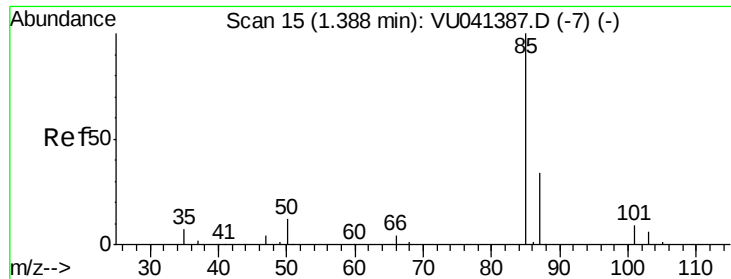
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.511 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

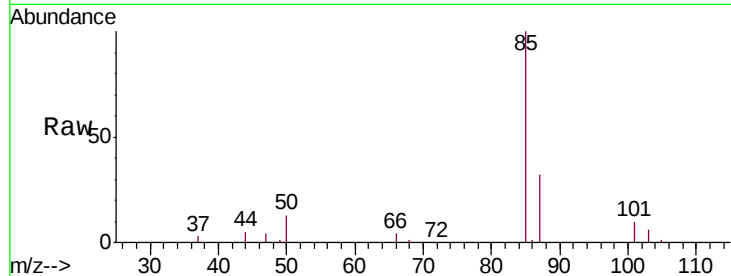
VSTD00510

Tgt Ion: 85 Resp: 35877

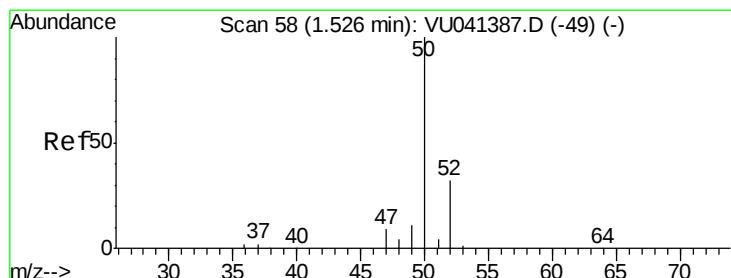
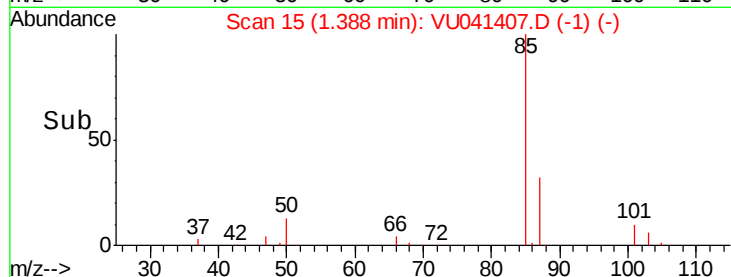
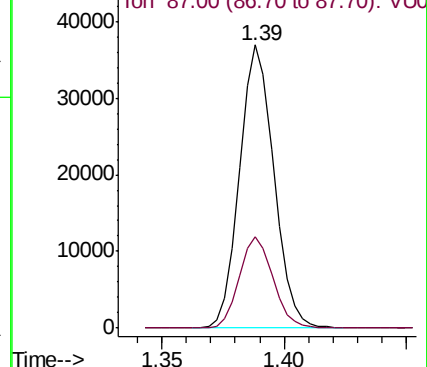
Ion Ratio Lower Upper

85 100

87 31.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU041387.D (-7) (-)



#3

Chloromethane

Concen: 4.875 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041407.D

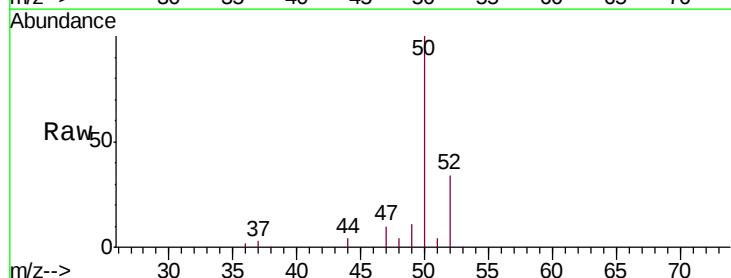
Acq: 23 Nov 2020 23:25

Tgt Ion: 50 Resp: 26986

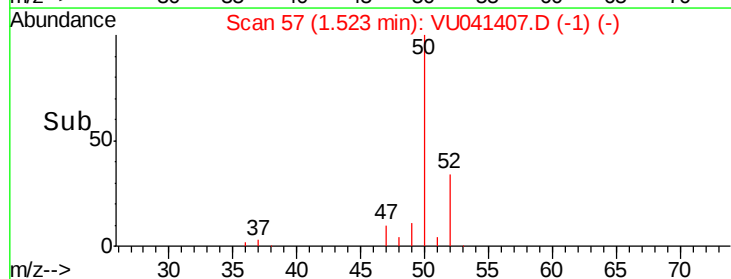
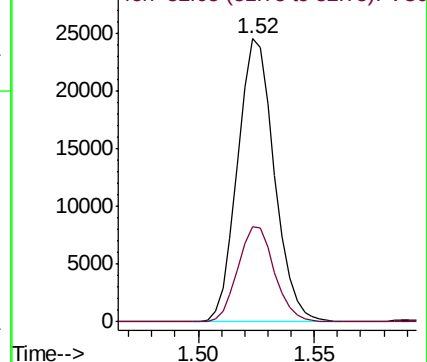
Ion Ratio Lower Upper

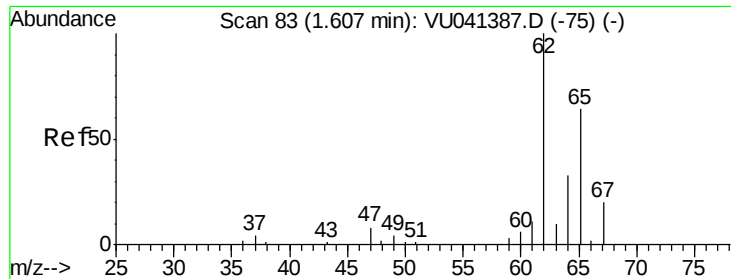
50 100

52 33.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU041387.D (-49) (-)





#5

Vinyl chloride

Concen: 4.919 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

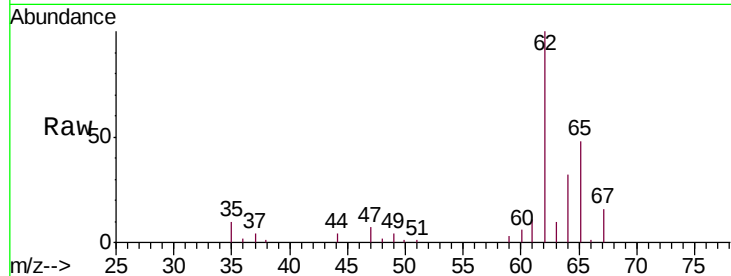
VSTD00510

Tgt Ion: 62 Resp: 28963

Ion Ratio Lower Upper

62 100

64 31.9 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

30000

25000

20000

15000

10000

5000

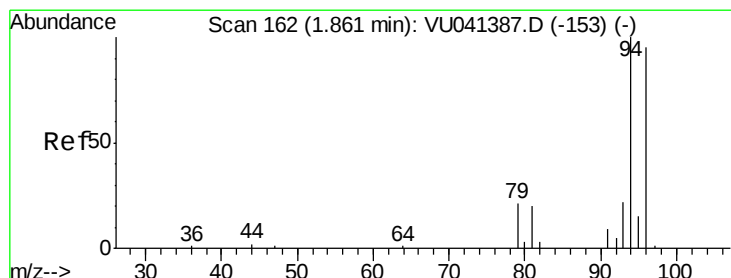
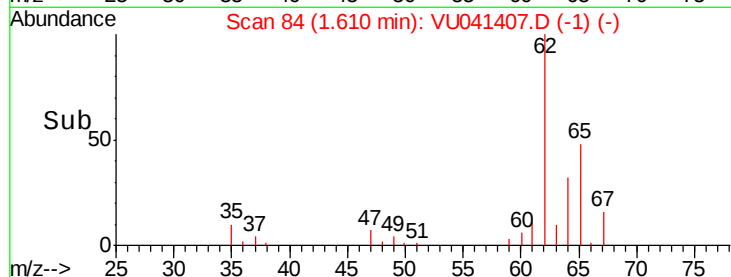
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 3.875 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041407.D

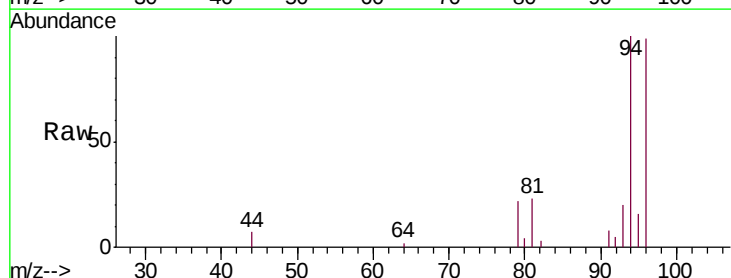
Acq: 23 Nov 2020 23:25

Tgt Ion: 94 Resp: 8606

Ion Ratio Lower Upper

94 100

96 98.9 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

8000

6000

4000

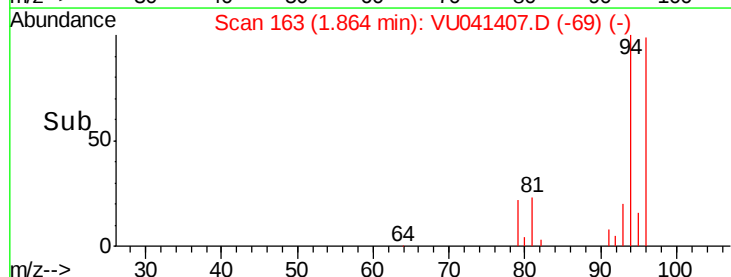
2000

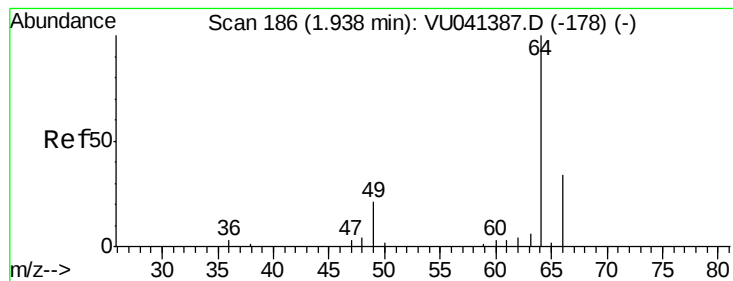
0

Time-->

1.85

1.90





#8

Chloroethane

Concen: 5.288 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

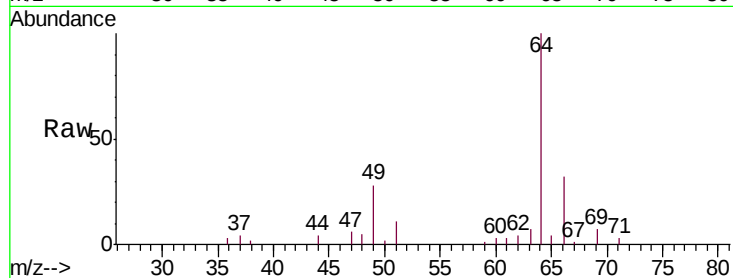
VSTD00510

Tgt Ion: 64 Resp: 17652

Ion Ratio Lower Upper

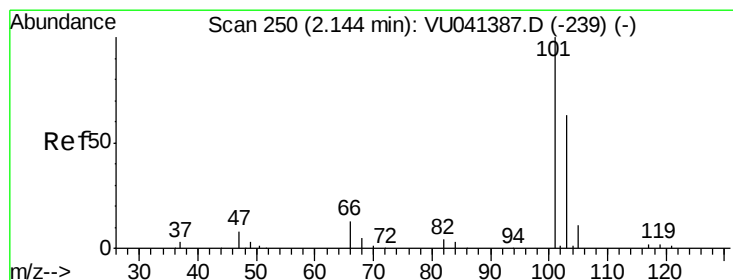
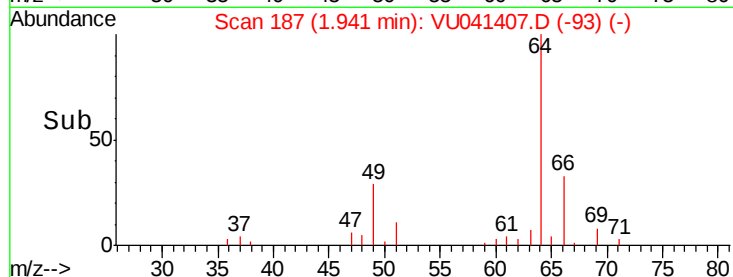
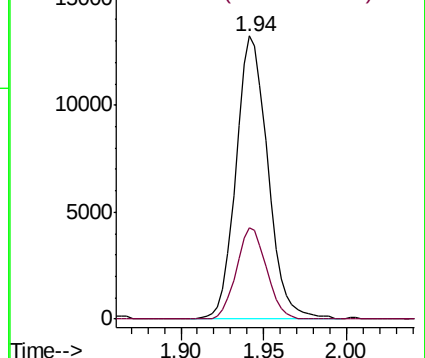
64 100

66 32.5 24.6 45.8



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 5.634 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041407.D

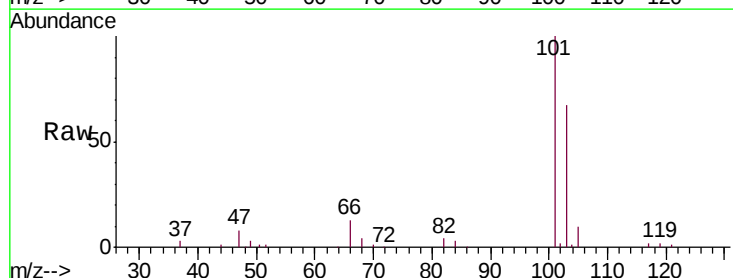
Acq: 23 Nov 2020 23:25

Tgt Ion: 101 Resp: 51375

Ion Ratio Lower Upper

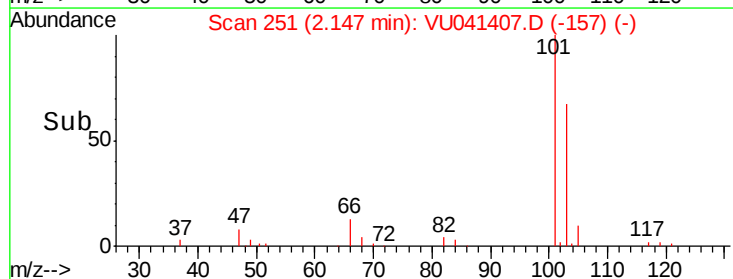
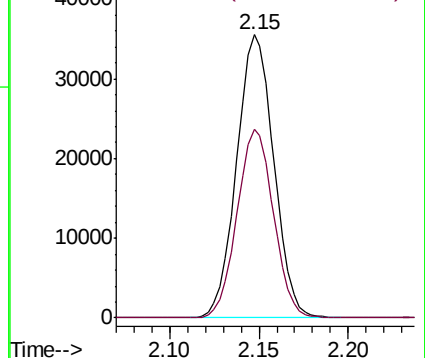
101 100

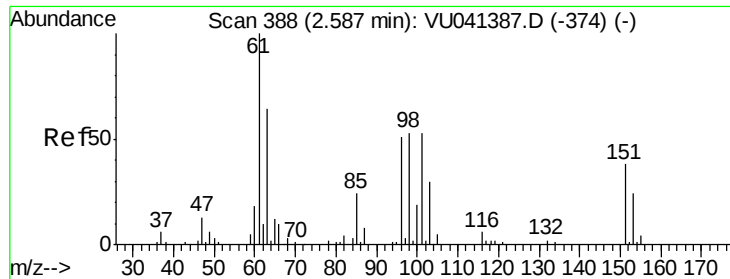
103 65.3 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.647 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.01 min

Lab File: VU041407.D

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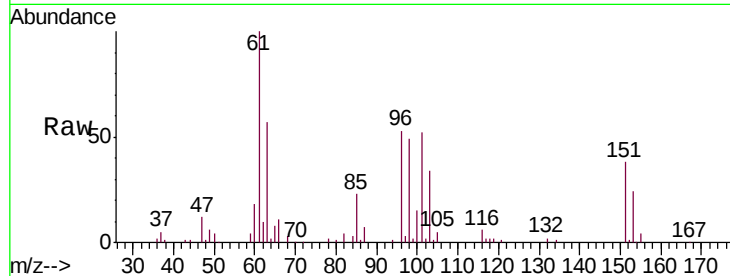
Tgt Ion: 101 Resp: 26525

Ion Ratio Lower Upper

101 100

85 46.7 35.1 52.7

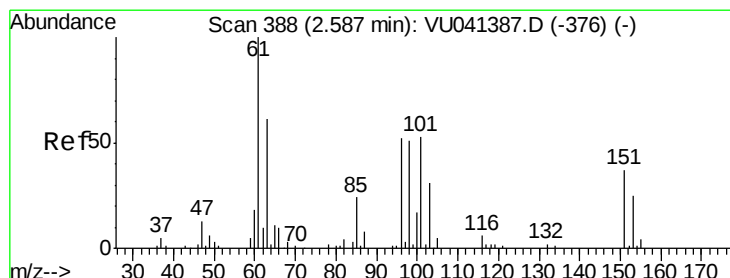
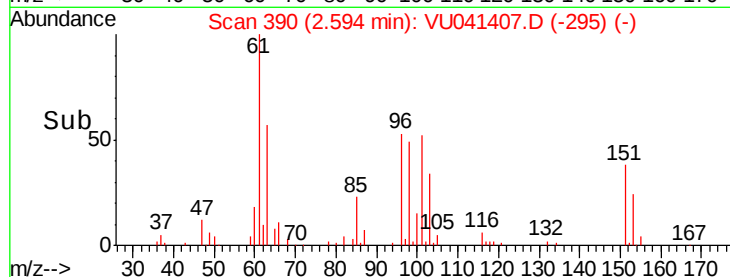
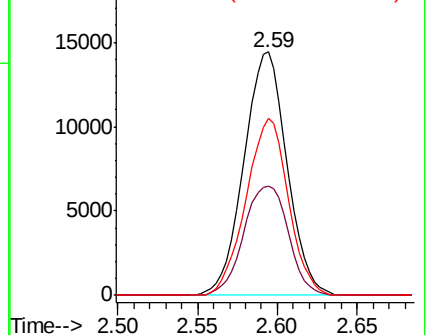
151 71.6 56.2 84.2



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: 5.985 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

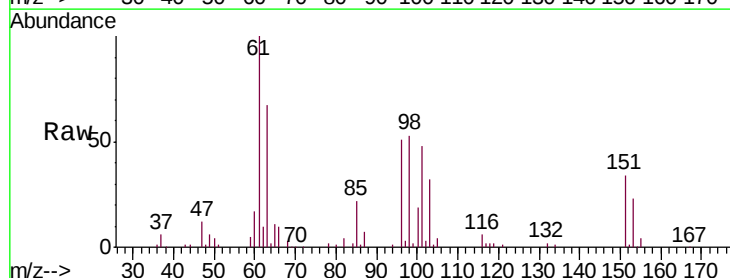
Tgt Ion: 96 Resp: 24834

Ion Ratio Lower Upper

96 100

61 195.0 129.8 241.2

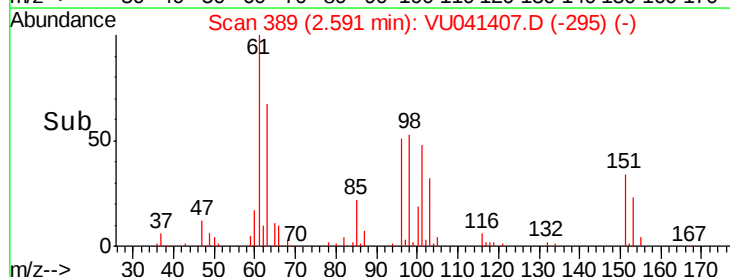
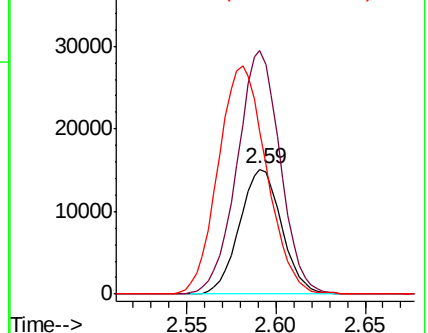
63 130.9 79.2 147.0

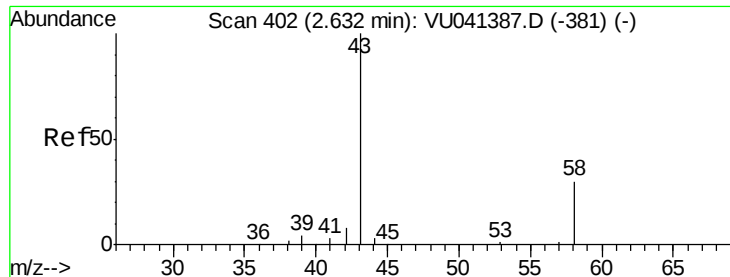


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 70.495 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.05 min

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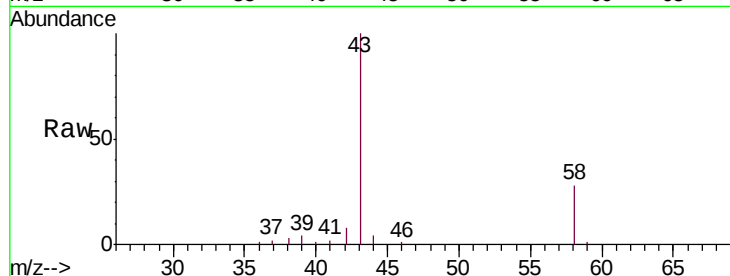
VSTD00510

Tgt Ion: 43 Resp: 57482

Ion Ratio Lower Upper

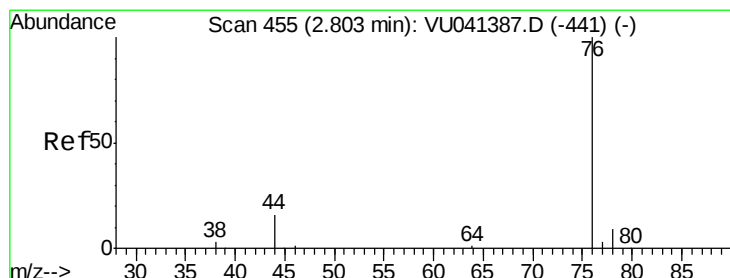
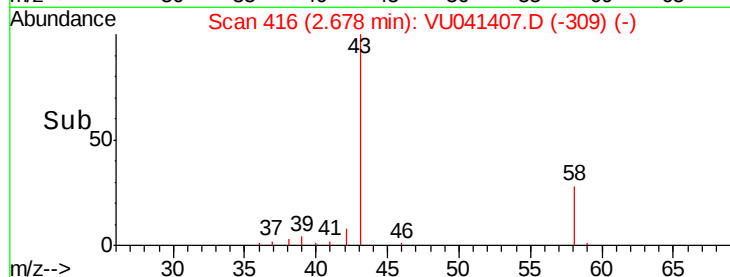
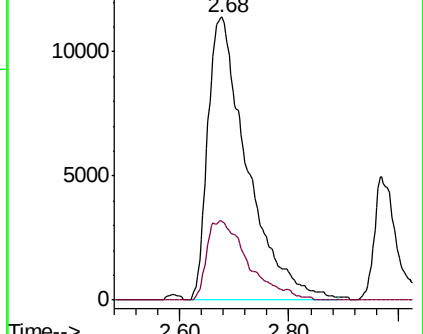
43 100

58 28.2 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU041387.D (-381) (-)

Ion 58.05 (57.75 to 58.75): VU041387.D (-381) (-)



#14

Carbon disulfide

Concen: 5.573 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041407.D

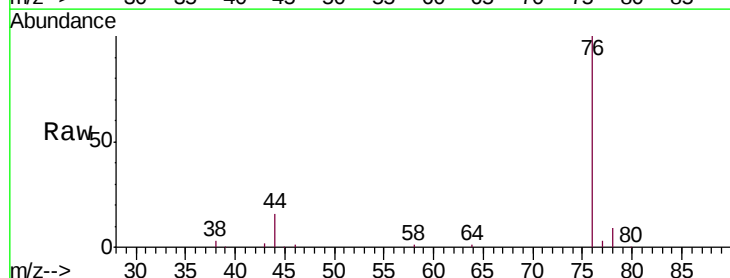
Acq: 23 Nov 2020 23:25

Tgt Ion: 76 Resp: 80768

Ion Ratio Lower Upper

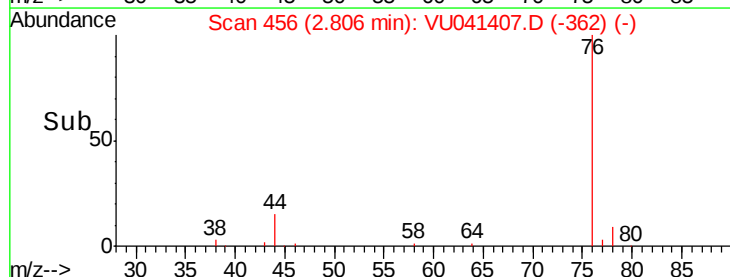
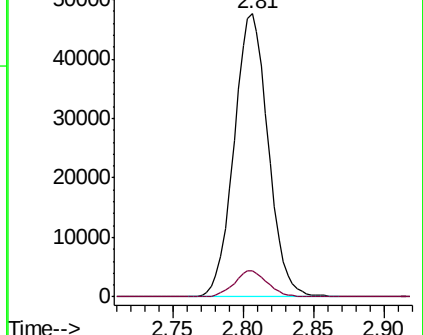
76 100

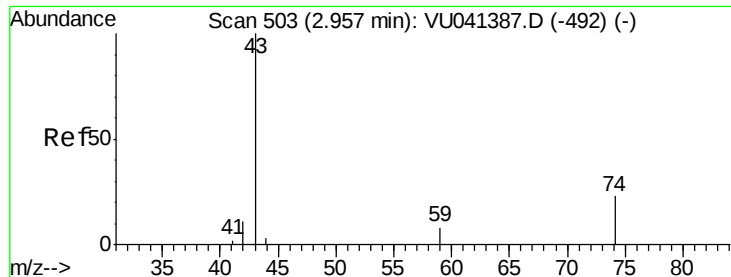
78 9.1 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU041387.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU041387.D (-441) (-)





#15

Methyl Acetate

Concen: 7.291 ug/L

RT: 2.97 min Scan# 506

Delta R.T. 0.01 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampled :

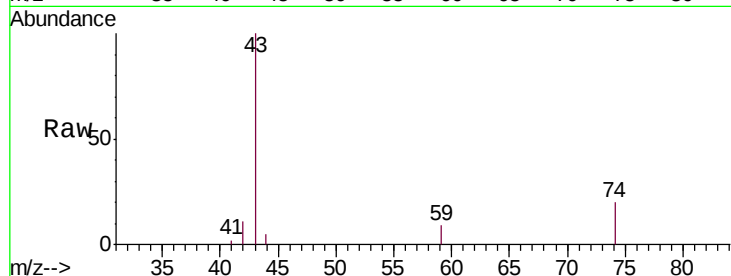
VSTD00510

Tgt Ion: 43 Resp: 14007

Ion Ratio Lower Upper

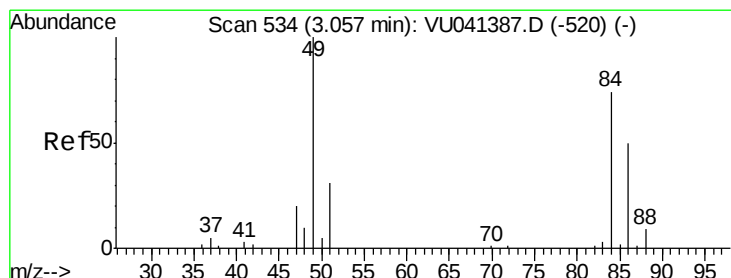
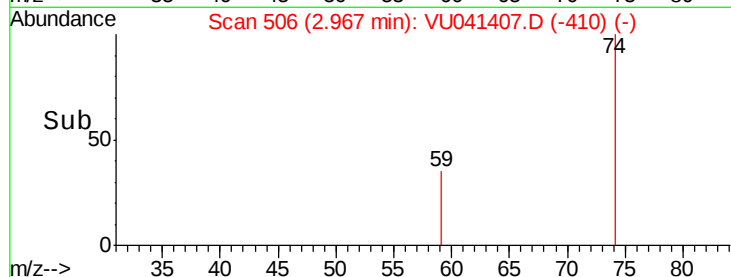
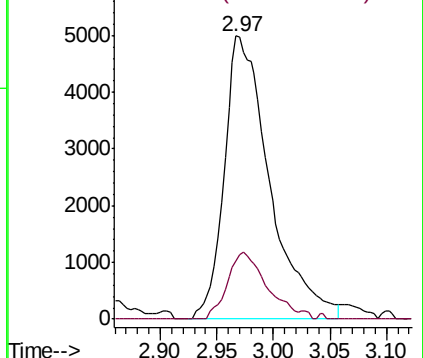
43 100

74 20.6 17.0 25.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 6.534 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

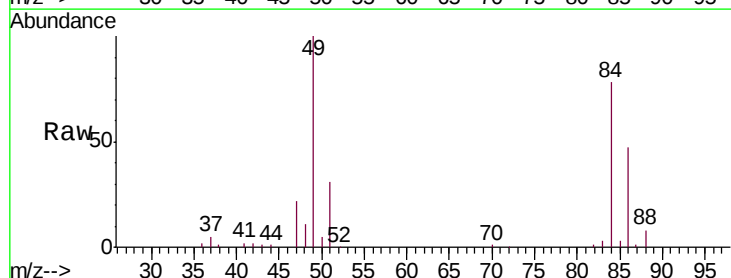
Tgt Ion: 84 Resp: 38745

Ion Ratio Lower Upper

84 100

86 60.9 44.4 82.5

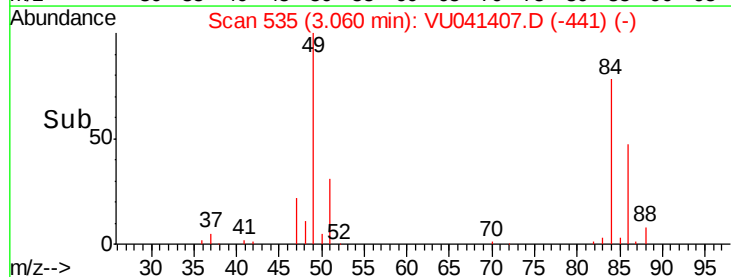
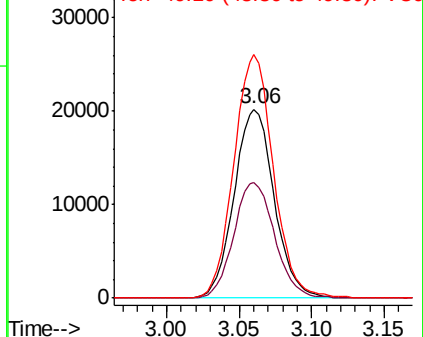
49 128.8 89.9 167.0

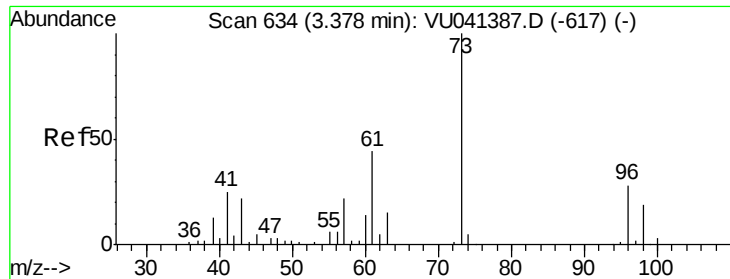


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

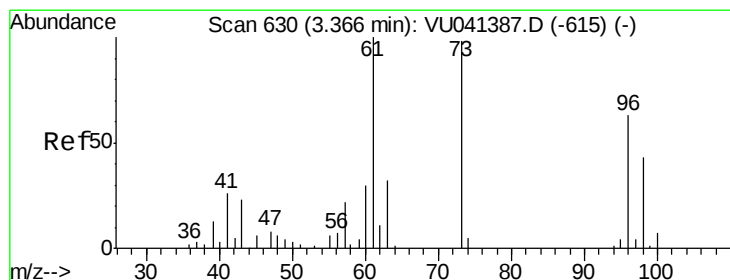
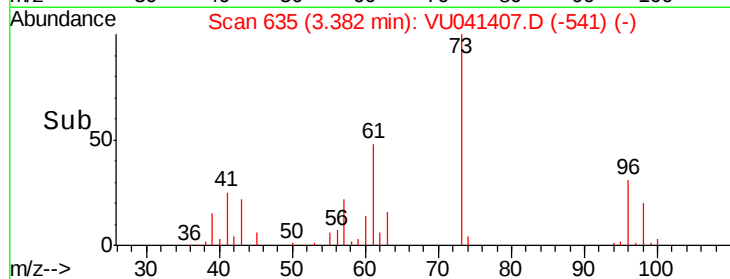
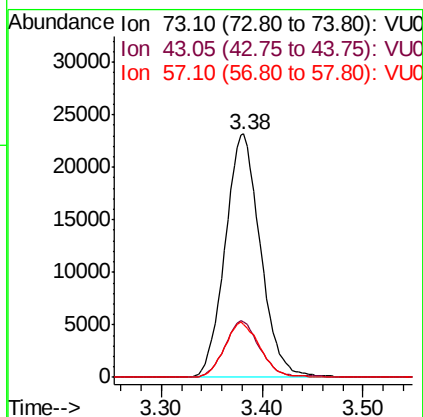
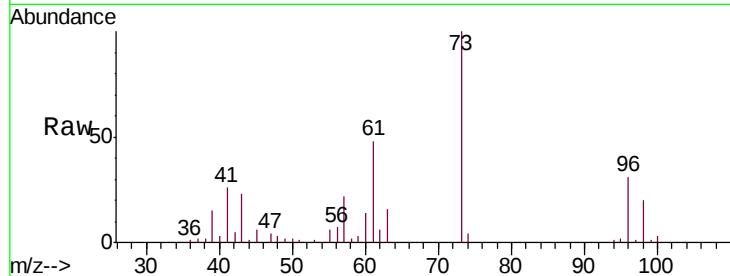




#17
Methyl tert-butyl Ether
Concen: 5.445 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

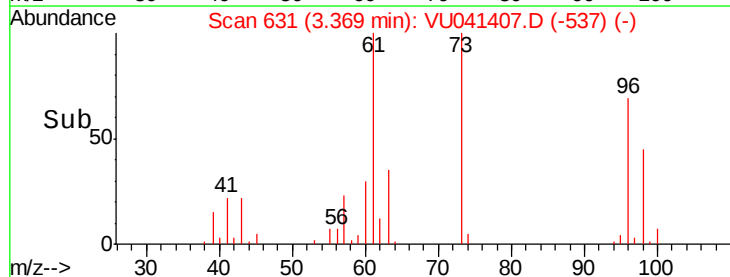
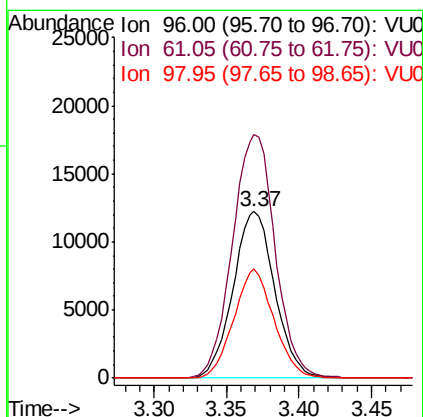
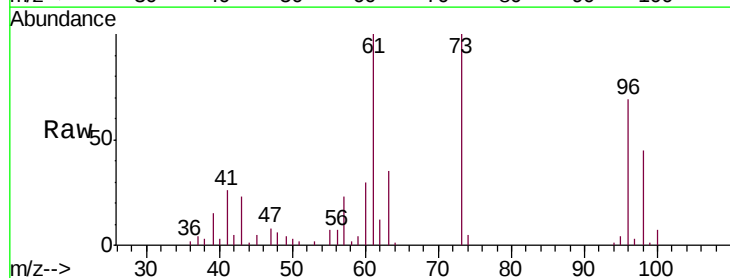
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

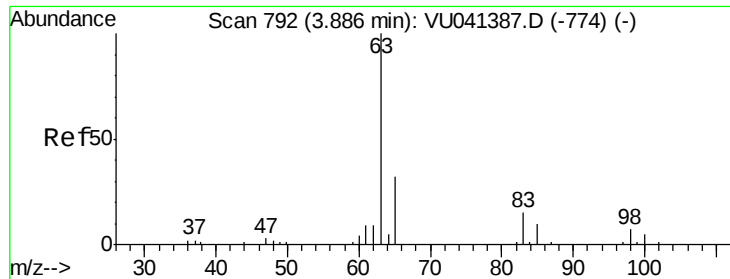
Tgt Ion:	73	Resp:	56260
Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.3	27.5
57	22.7	17.7	26.5



#18
trans-1,2-Dichloroethene
Concen: 5.428 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion:	96	Resp:	24425
Ion	Ratio	Lower	Upper
96	100		
61	146.0	103.7	192.5
98	65.5	47.5	88.3

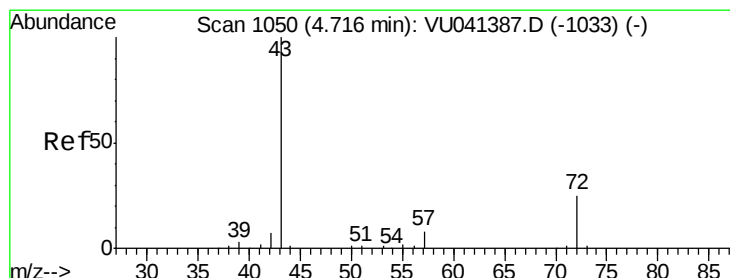
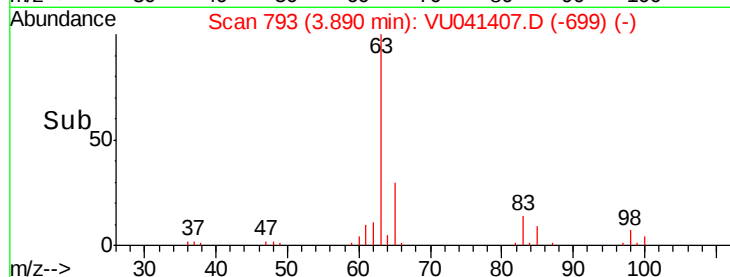
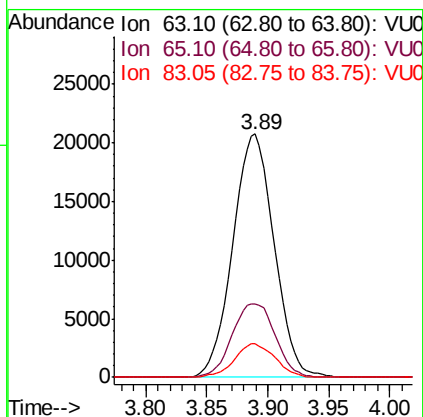
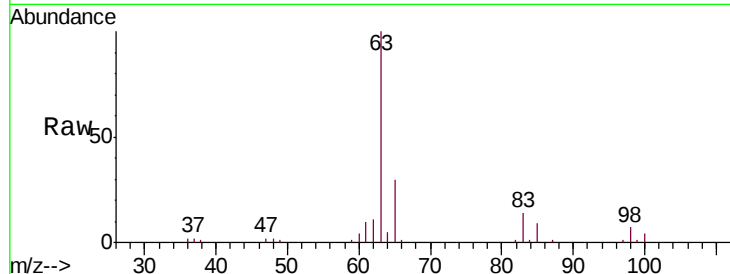




#19
 1,1-Dichloroethane
 Concen: 5.434 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

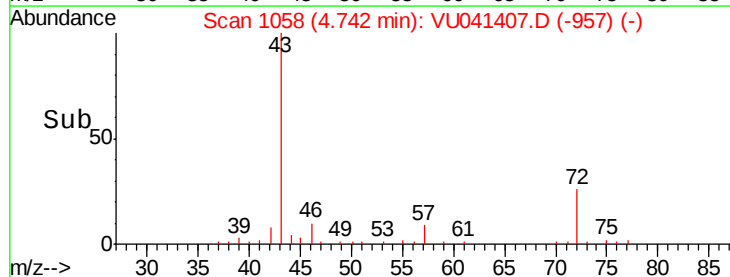
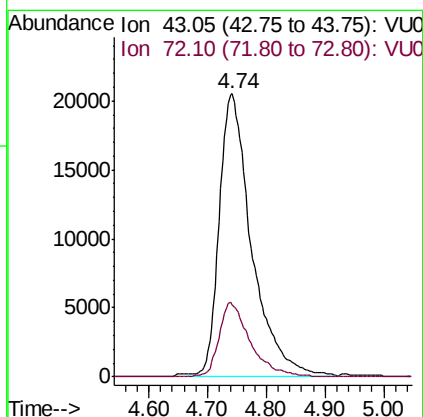
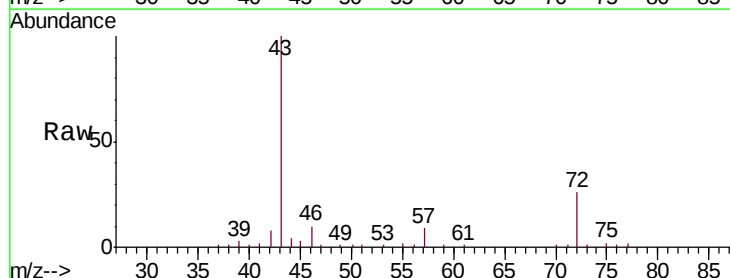
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

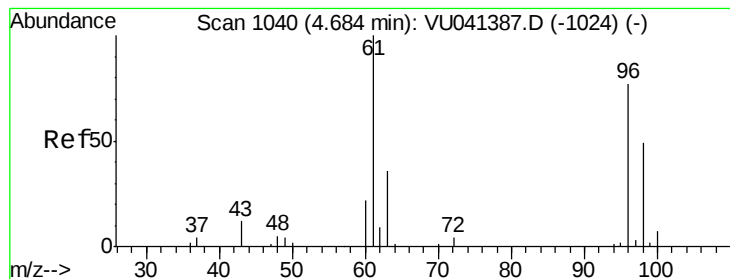
Tgt Ion: 63 Resp: 48648
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.0 42.8
 83 13.7 9.4 17.4



#21
 2-Butanone
 Concen: 60.930 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.03 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 43 Resp: 78911
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.6 37.6





#22

cis-1,2-Dichloroethene

Concen: 5.083 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

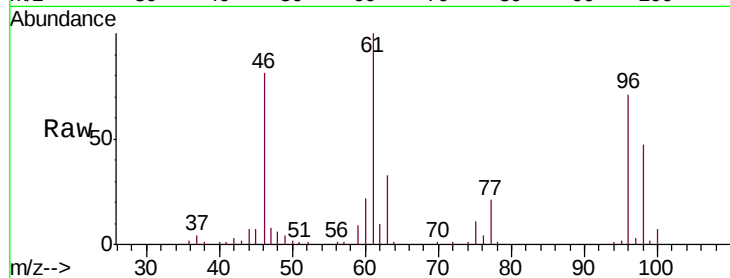
Tgt Ion: 96 Resp: 24323

Ion Ratio Lower Upper

96 100

61 140.7 95.3 176.9

68 0.0 0.0 0.0

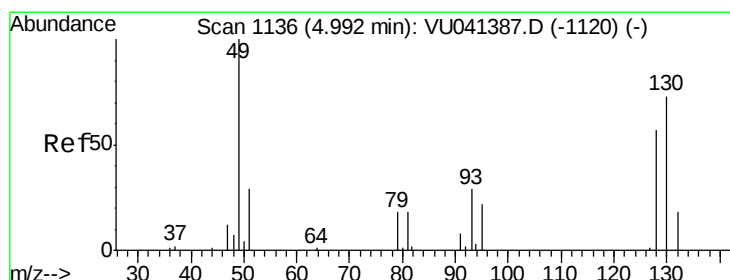
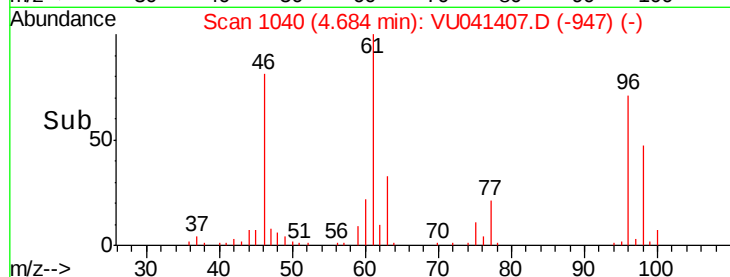
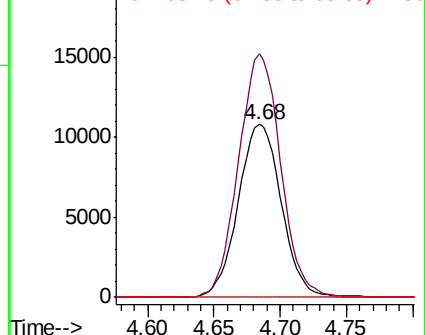


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.942 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Tgt Ion: 128 Resp: 12558

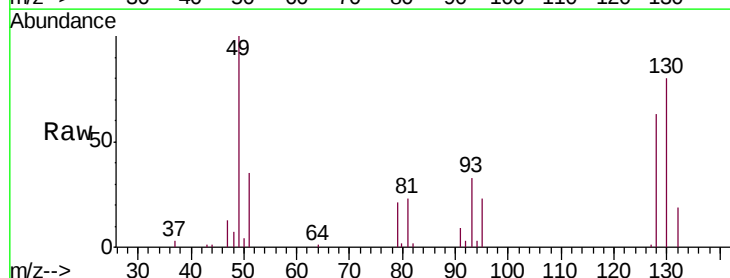
Ion Ratio Lower Upper

128 100

49 159.1 118.9 220.9

130 127.3 88.3 163.9

51 55.0 43.2 64.8



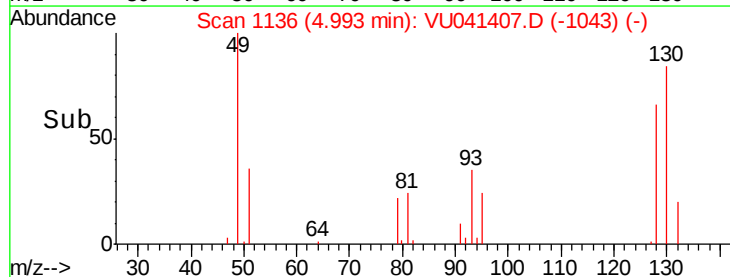
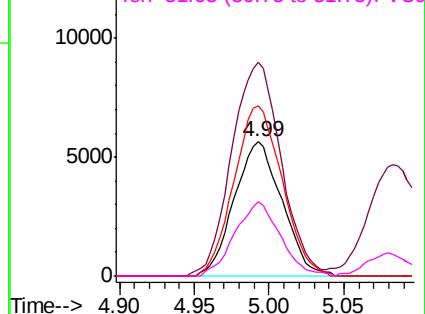
Abundance

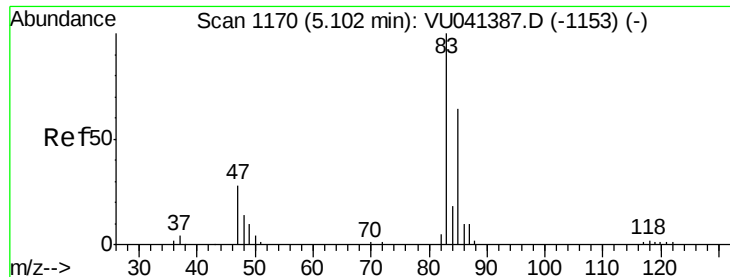
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

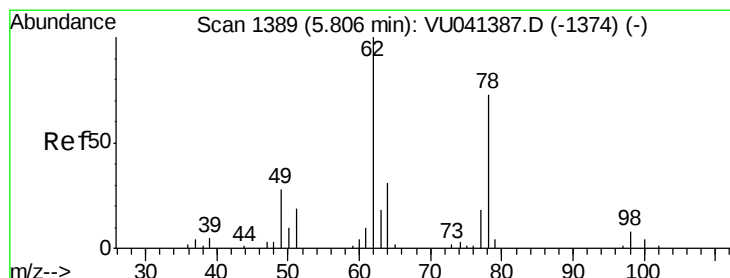
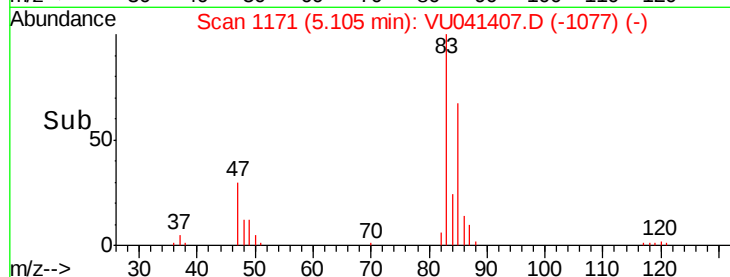
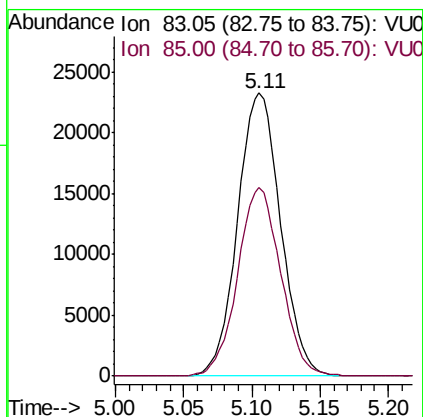
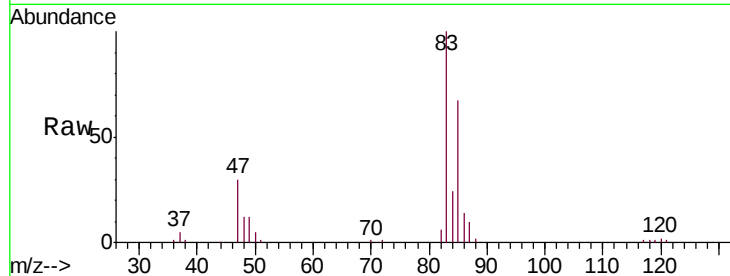




#25
Chloroform
Concen: 5.172 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

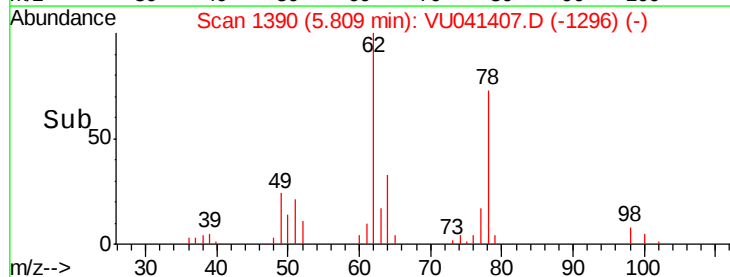
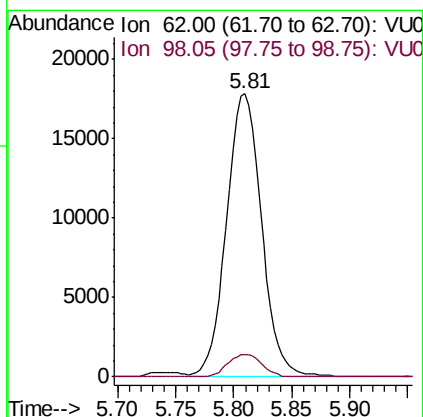
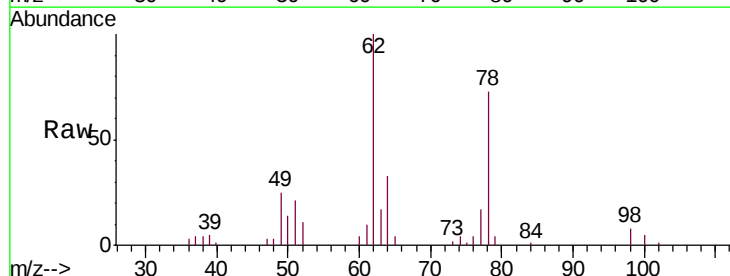
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

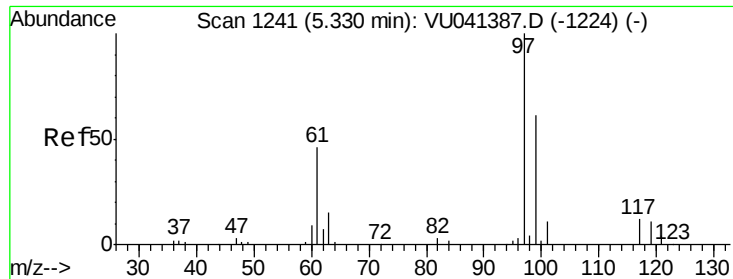
Tgt Ion: 83 Resp: 50876
Ion Ratio Lower Upper
83 100
85 66.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.845 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion: 62 Resp: 37435
Ion Ratio Lower Upper
62 100
98 7.8 6.0 9.0

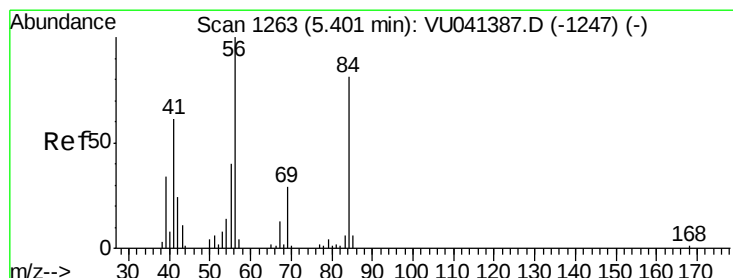
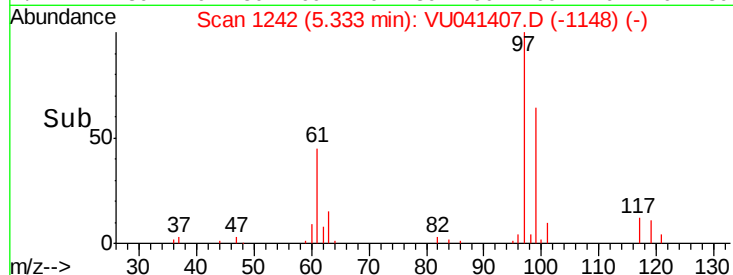
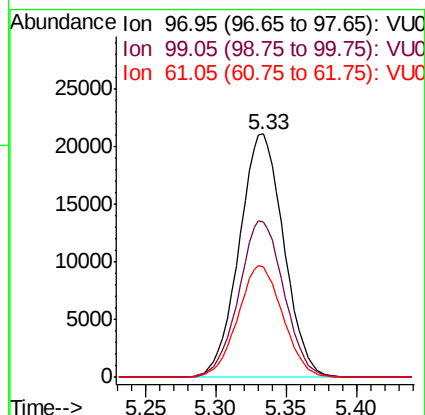
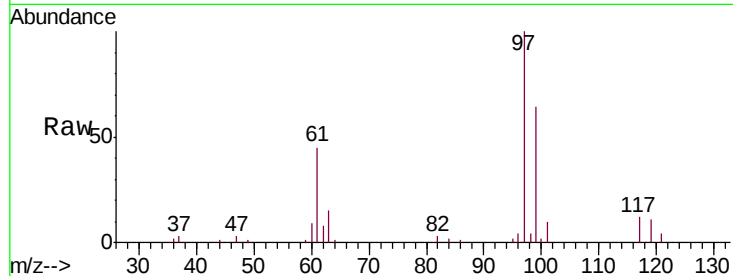




#29
 1,1,1-Trichloroethane
 Concen: 5.274 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

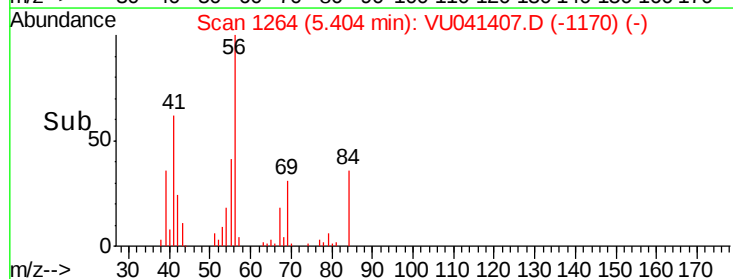
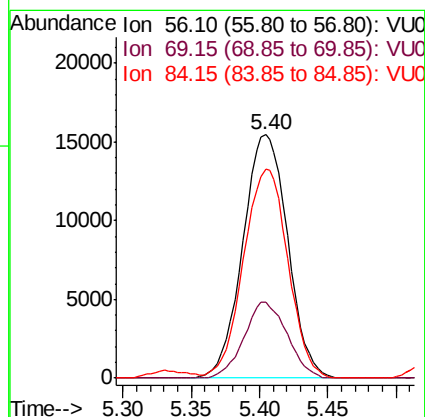
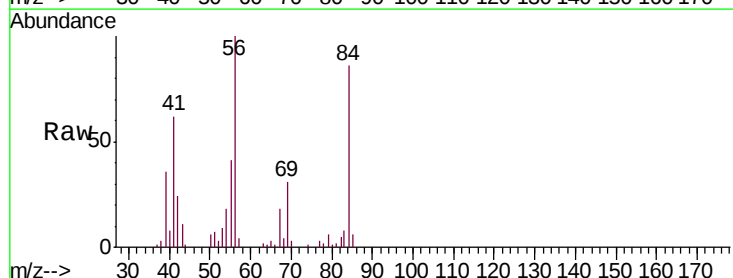
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

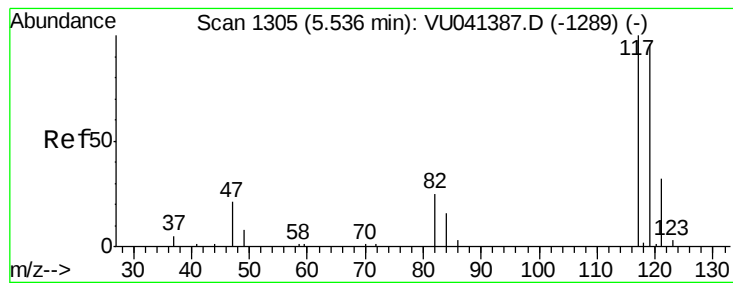
Tgt Ion: 97 Resp: 46687
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 46.3 37.8 56.6



#30
 Cyclohexane
 Concen: 4.674 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 56 Resp: 35279
 Ion Ratio Lower Upper
 56 100
 69 30.0 23.8 35.6
 84 85.3 64.6 97.0





#31

Carbon tetrachloride

Concen: 5.297 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

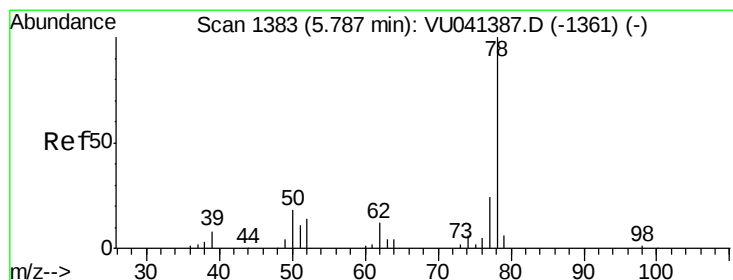
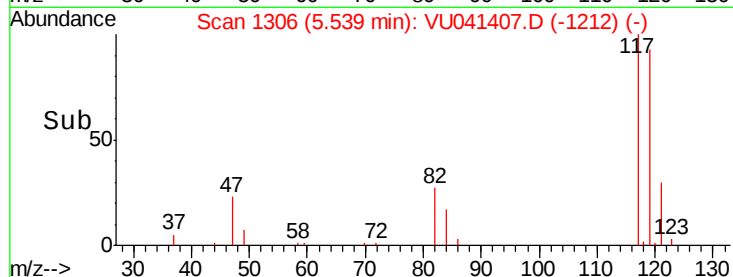
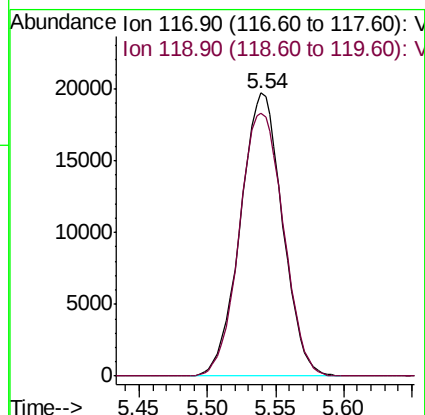
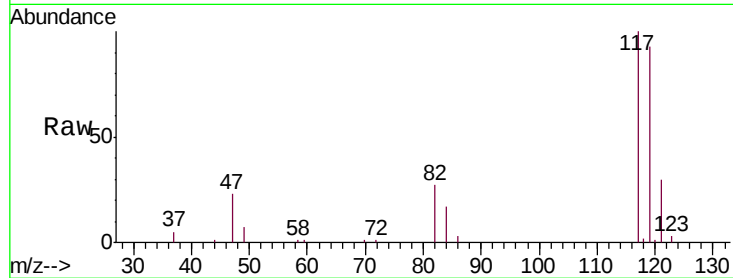
VSTD00510

Tgt Ion:117 Resp: 42201

Ion Ratio Lower Upper

117 100

119 97.1 75.9 113.9



#33

Benzene

Concen: 4.888 ug/L

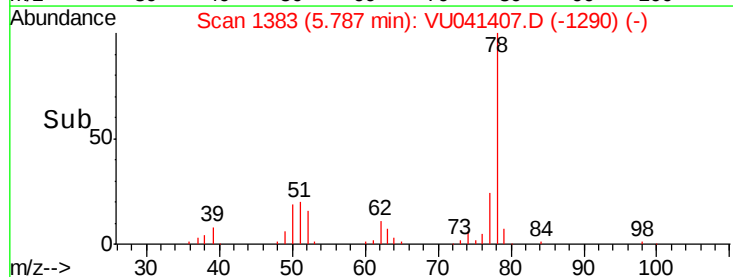
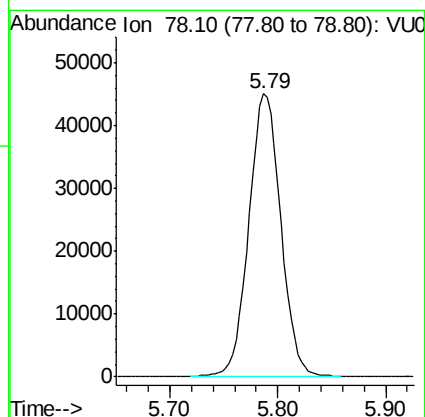
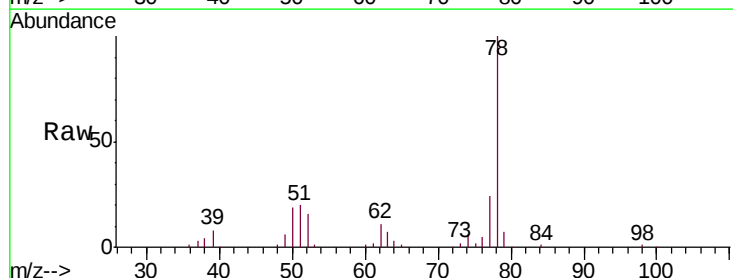
RT: 5.79 min Scan# 1383

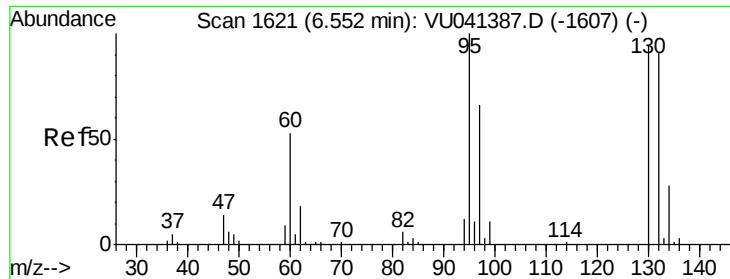
Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Tgt Ion: 78 Resp: 92888





#34

Trichloroethene

Concen: 5.257 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tgt Ion: 95 Resp: 27208

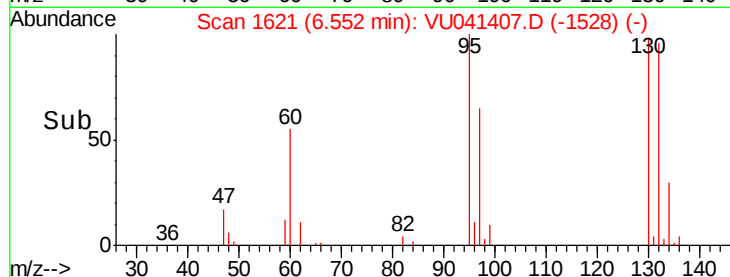
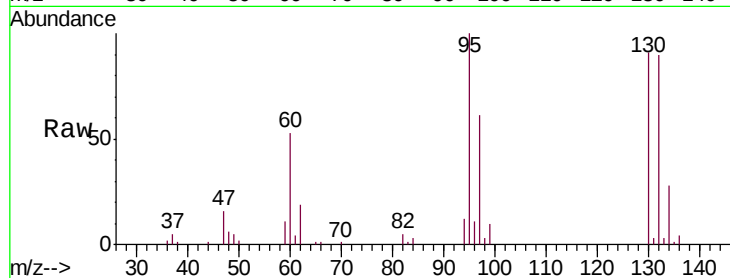
Ion Ratio Lower Upper

95 100

97 60.7 46.5 86.5

132 89.8 60.8 113.0

130 91.4 63.3 117.7

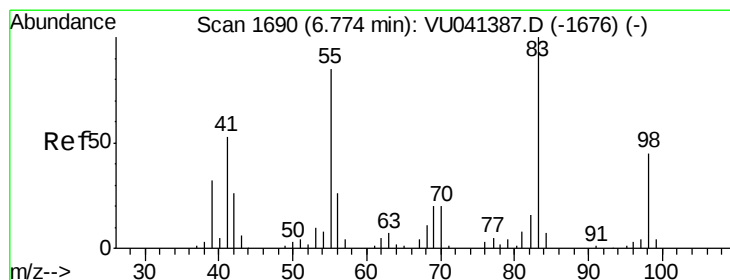
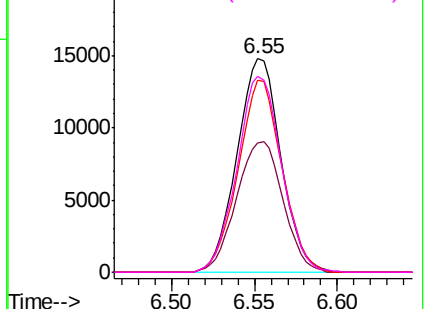


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.001 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

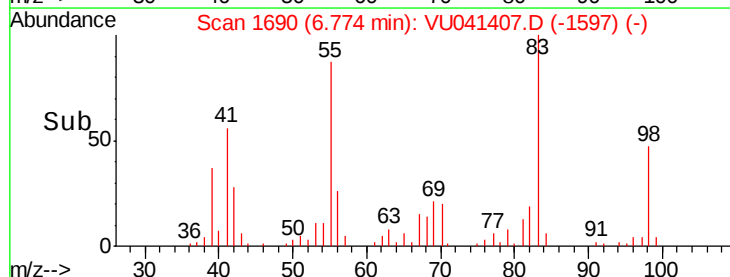
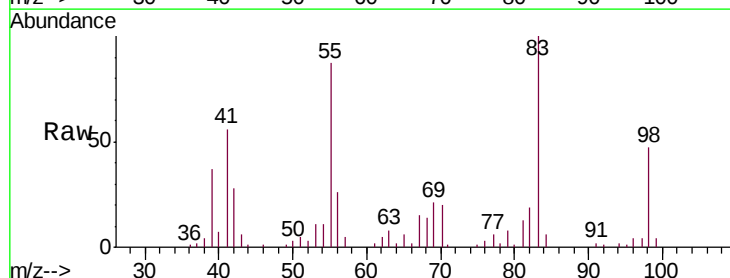
Tgt Ion: 83 Resp: 37742

Ion Ratio Lower Upper

83 100

55 87.8 68.4 102.6

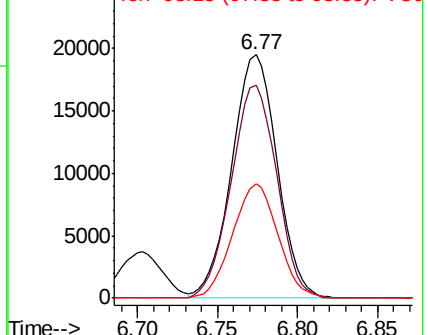
98 47.0 36.5 54.7

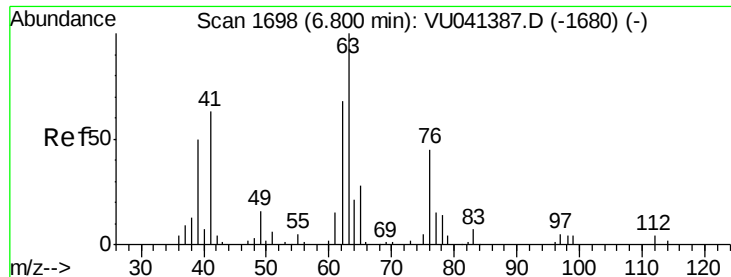


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

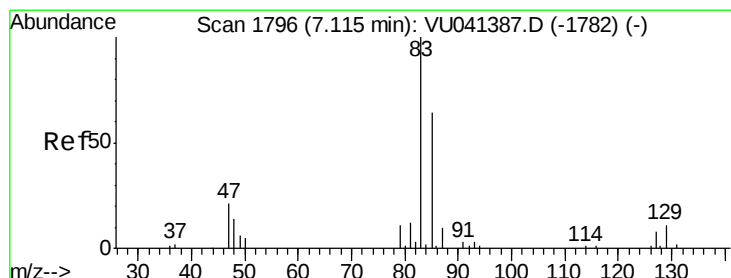
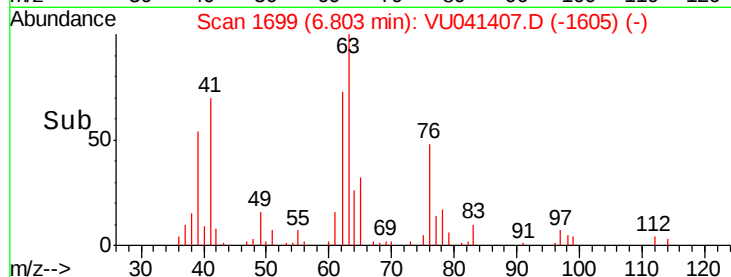
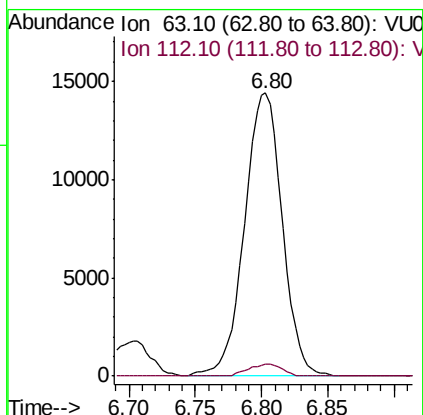
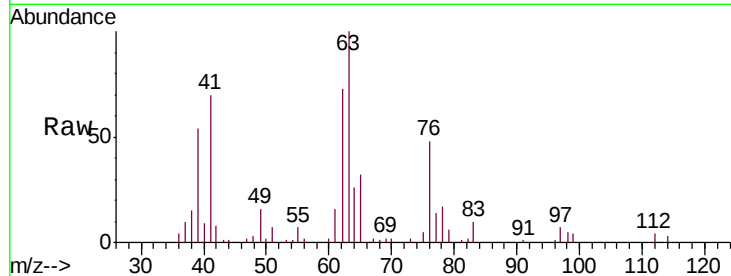




#37
 1,2-Dichloropropane
 Concen: 5.470 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

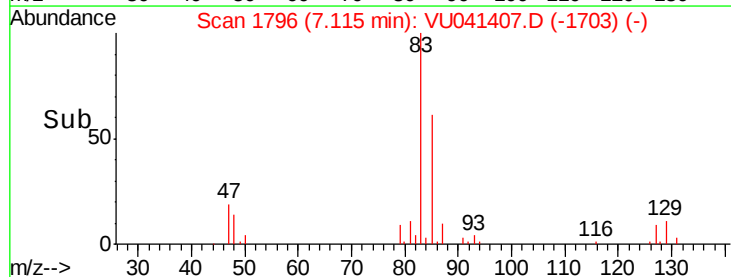
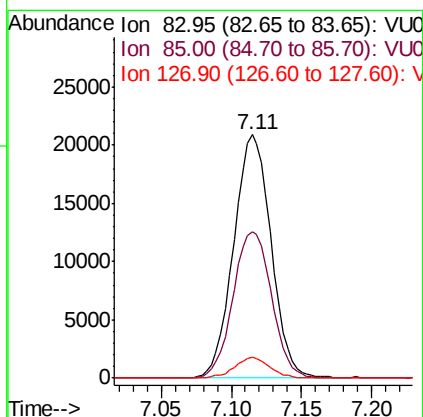
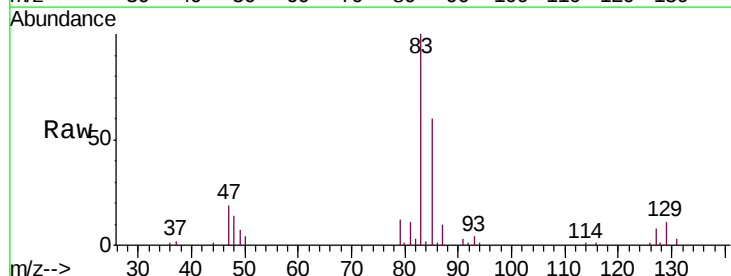
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

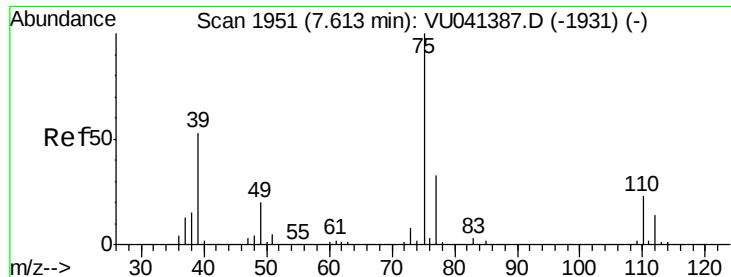
Tgt Ion: 63 Resp: 28518
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.6 4.0



#38
 Bromodichloromethane
 Concen: 5.502 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 83 Resp: 38847
 Ion Ratio Lower Upper
 83 100
 85 60.3 45.7 84.9
 127 8.5 7.1 10.7

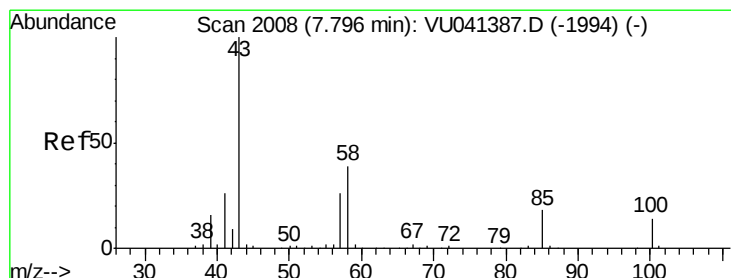
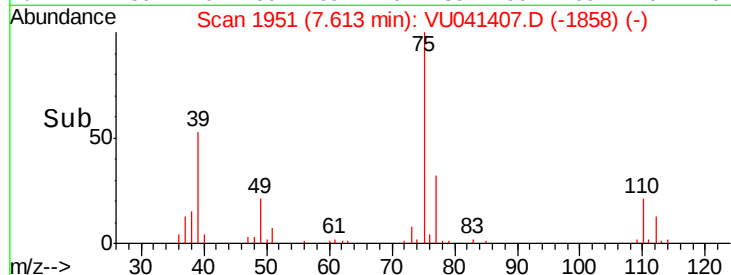
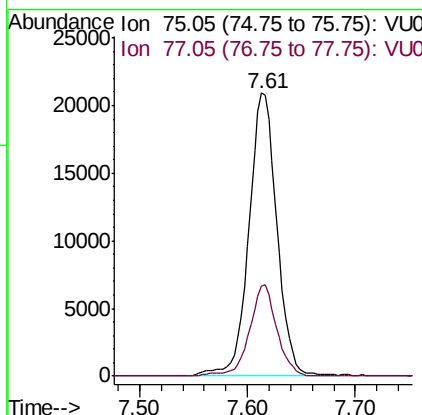
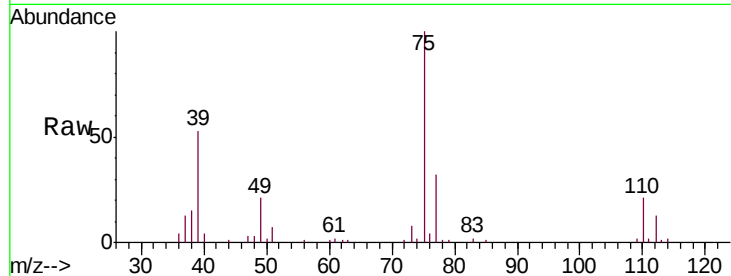




#39
 cis-1,3-Dichloropropene
 Concen: 5.240 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

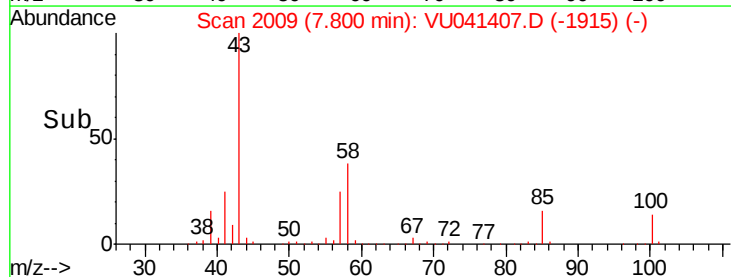
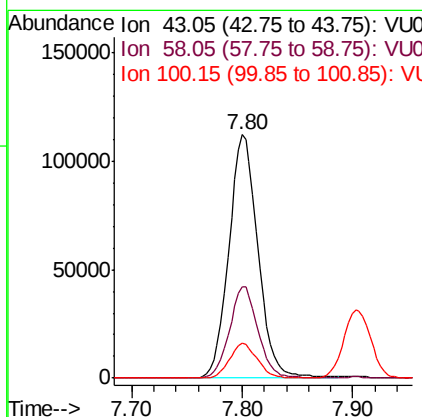
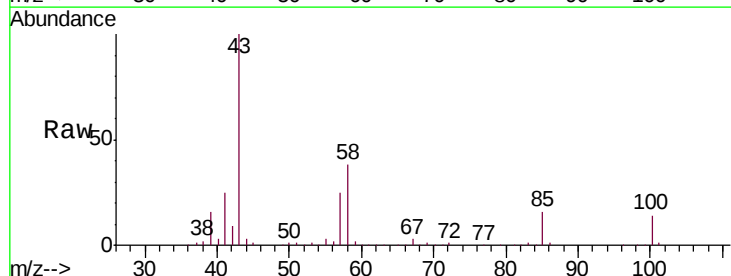
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

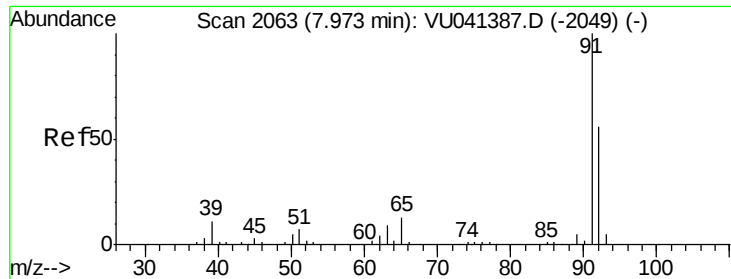
Tgt Ion: 75 Resp: 37711
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 64.157 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 43 Resp: 205244
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.8
 100 13.6 10.9 16.3





#42

Toluene

Concen: 5.491 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

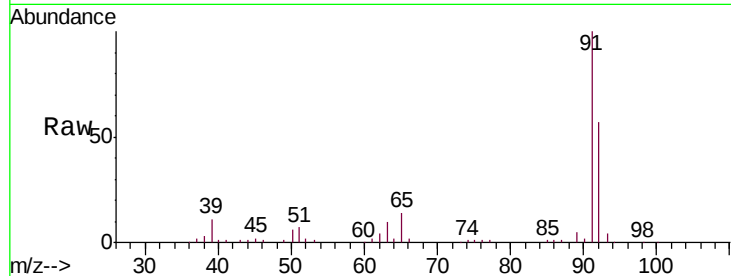
VSTD00510

Tgt Ion: 91 Resp: 111260

Ion Ratio Lower Upper

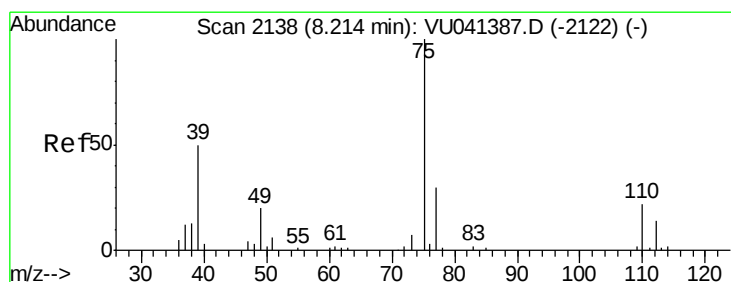
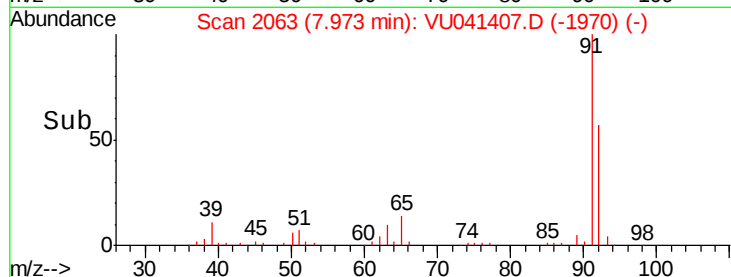
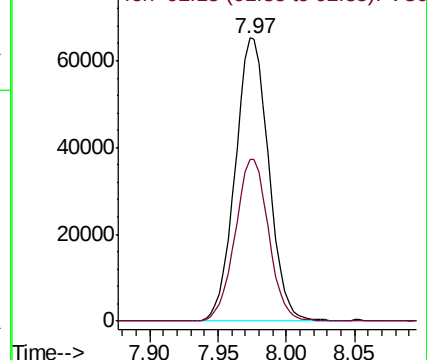
91 100

92 57.1 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.638 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041407.D

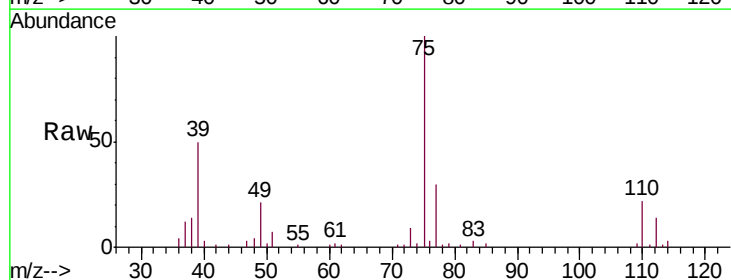
Acq: 23 Nov 2020 23:25

Tgt Ion: 75 Resp: 37024

Ion Ratio Lower Upper

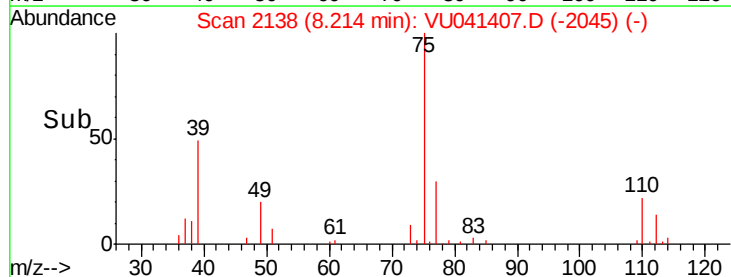
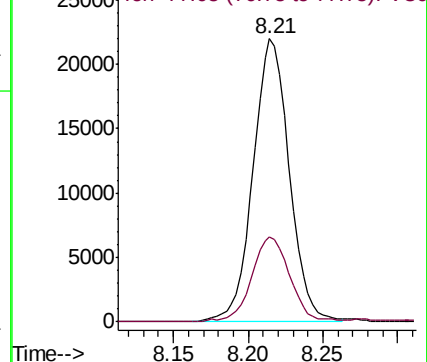
75 100

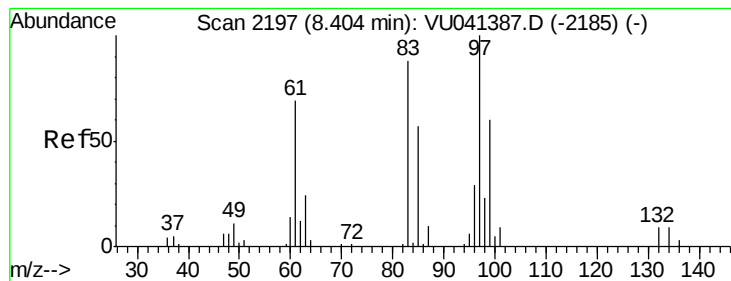
77 30.2 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 5.912 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tgt Ion: 97 Resp: 21128

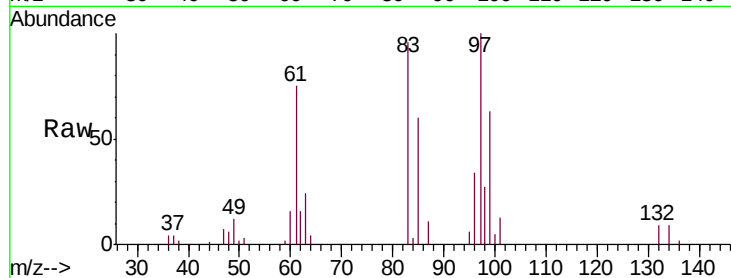
Ion Ratio Lower Upper

97 100

99 62.7 41.5 77.1

83 96.2 65.5 121.6

85 60.5 40.1 74.5

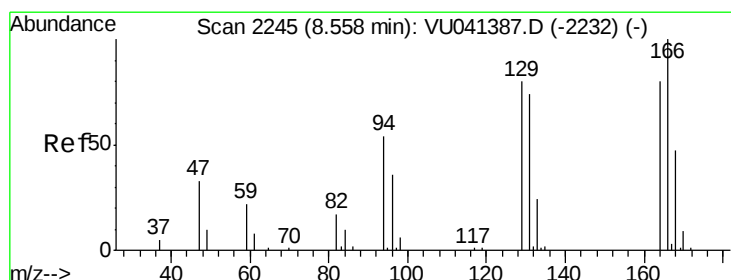
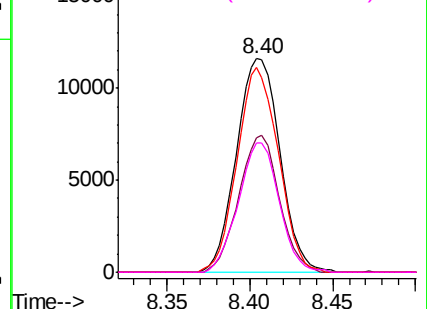
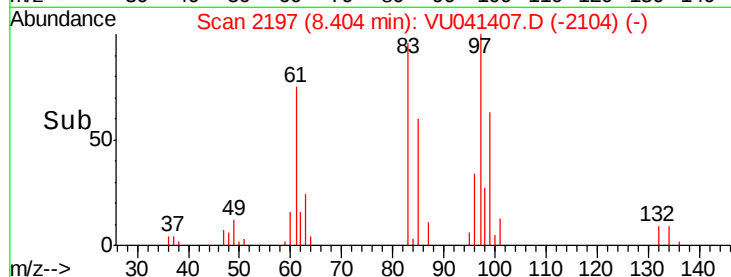


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.299 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Tgt Ion:164 Resp: 20533

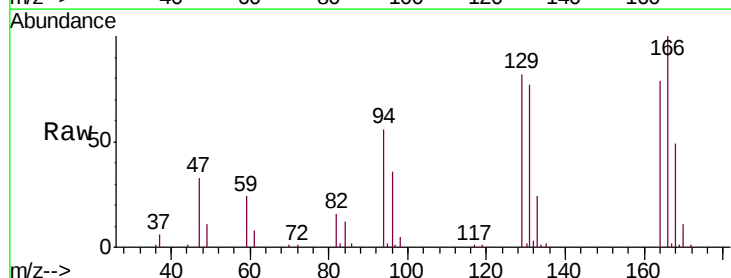
Ion Ratio Lower Upper

164 100

129 103.6 71.0 131.9

131 97.6 69.0 128.1

166 126.5 92.4 171.6

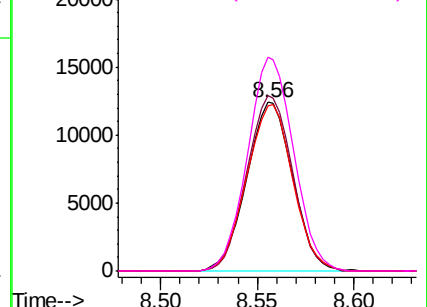
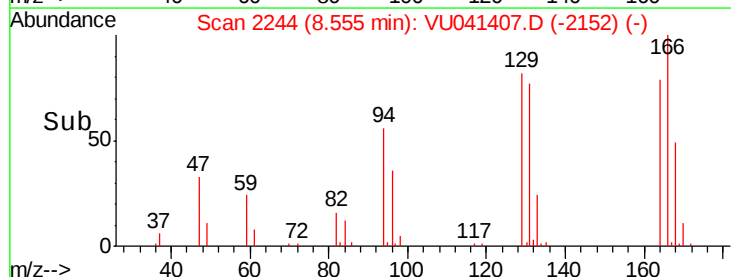


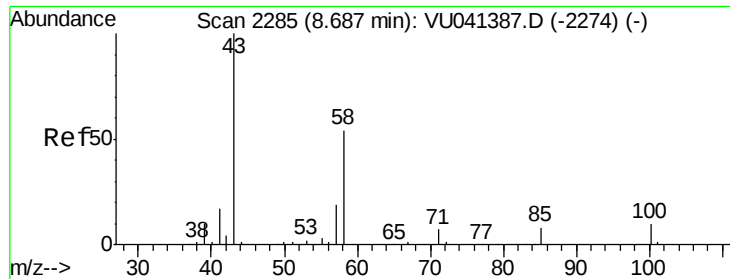
Abundance Ion 163.90 (163.60 to 164.60): V

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

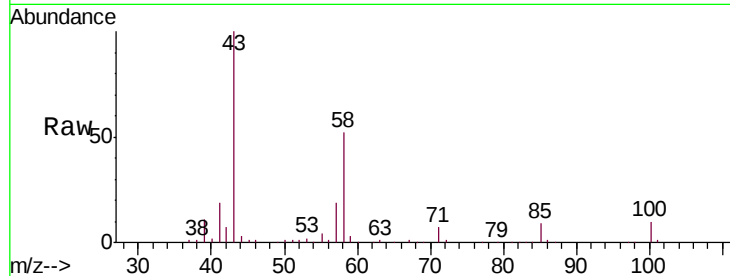




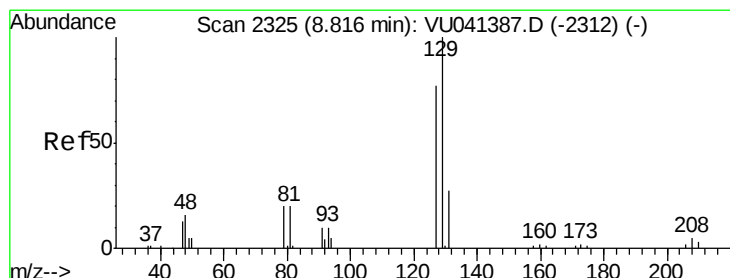
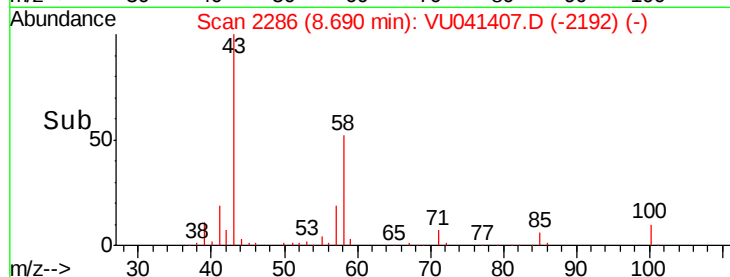
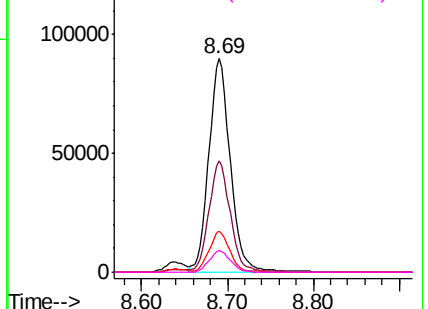
#48
2-Hexanone
Concen: 67.394 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion: 43 Resp: 158169
Ion Ratio Lower Upper
43 100
58 50.3 42.0 63.0
57 18.6 15.0 22.4
100 10.1 8.4 12.6

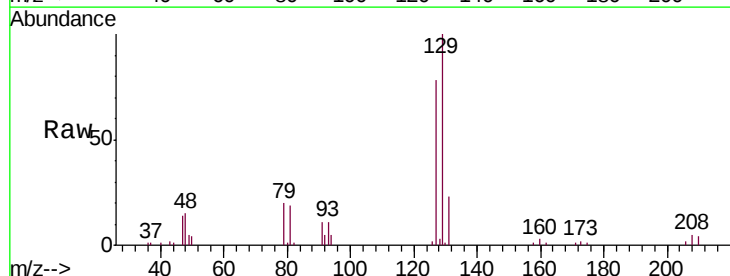


Abundance Ion 43.05 (42.75 to 43.75): VU041407.D (-2274) (-)
Ion 58.05 (57.75 to 58.75): VU041407.D (-2274) (-)
Ion 57.20 (56.90 to 57.90): VU041407.D (-2274) (-)
Ion 100.15 (99.85 to 100.85): VU041407.D (-2274) (-)

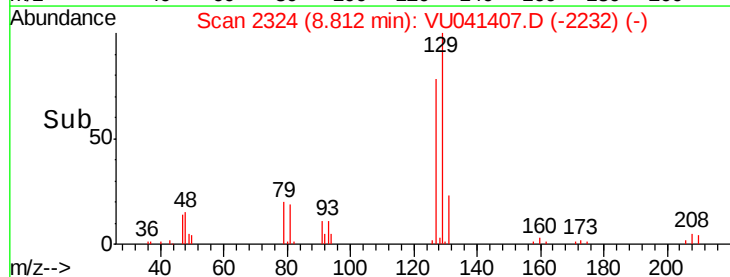
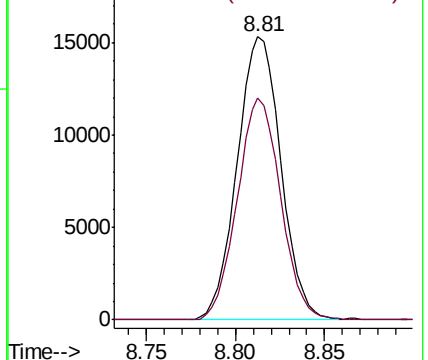


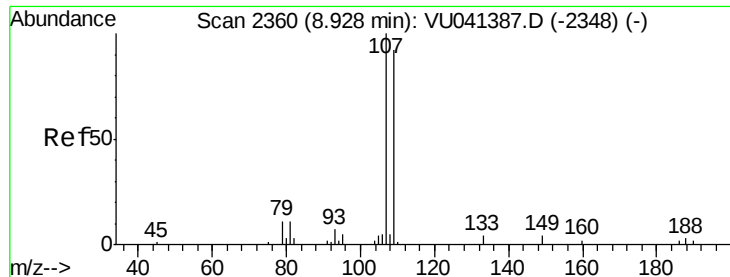
#49
Dibromochloromethane
Concen: 5.759 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion: 129 Resp: 26209
Ion Ratio Lower Upper
129 100
127 78.2 55.6 103.4



Abundance Ion 128.95 (128.65 to 129.65): VU041407.D (-2312) (-)
Ion 126.90 (126.60 to 127.60): VU041407.D (-2312) (-)

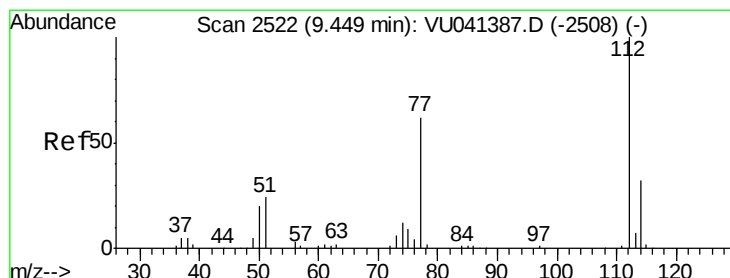
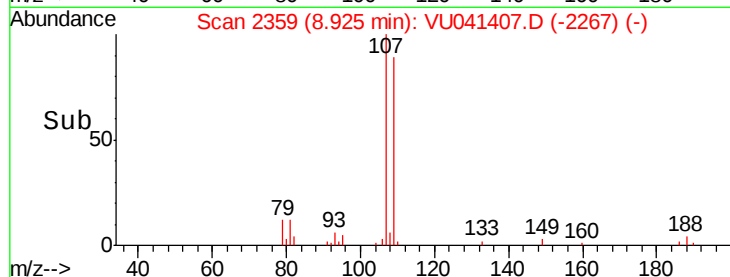
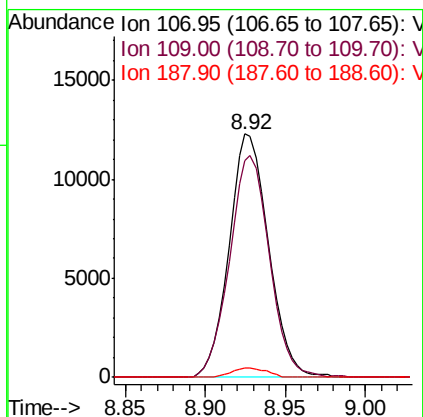
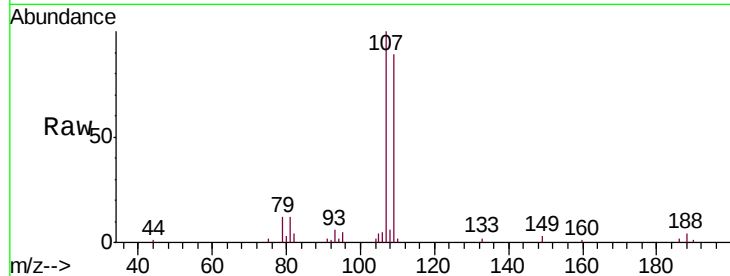




#50
1,2-Dibromoethane
Concen: 6.032 ug/L
RT: 8.92 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

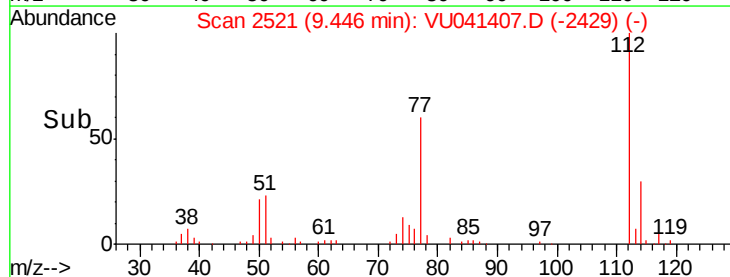
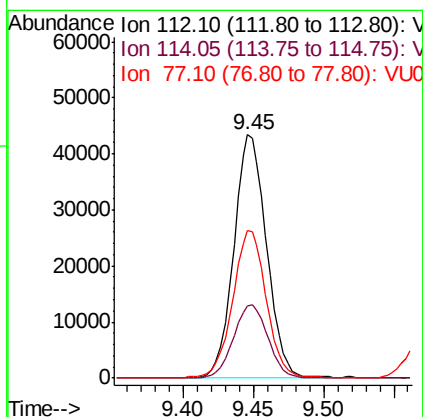
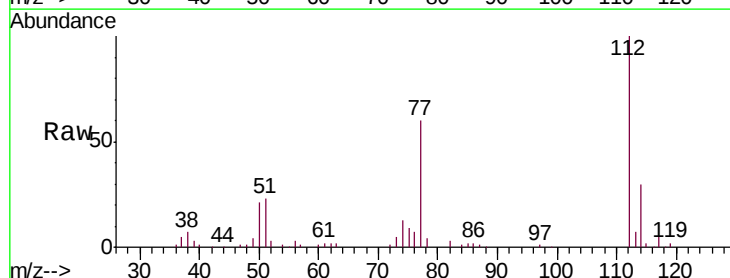
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

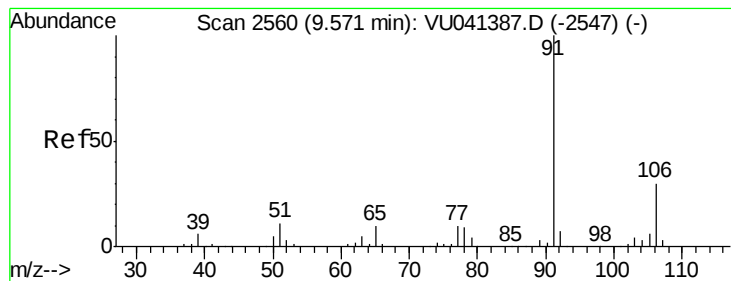
Tgt Ion:107 Resp: 20614
Ion Ratio Lower Upper
107 100
109 89.1 63.4 117.8
188 3.9 2.2 3.4#



#51
Chlorobenzene
Concen: 5.366 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion:112 Resp: 70379
Ion Ratio Lower Upper
112 100
114 29.7 22.3 41.3
77 60.4 52.2 78.4





#52

Ethylbenzene

Concen: 5.303 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

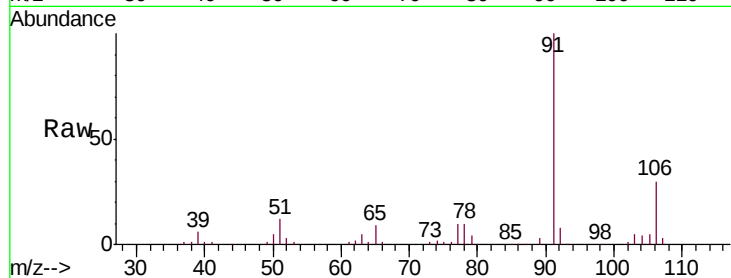
VSTD00510

Tgt Ion: 91 Resp: 114866

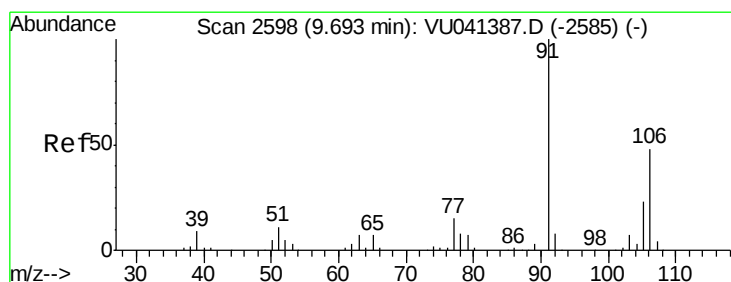
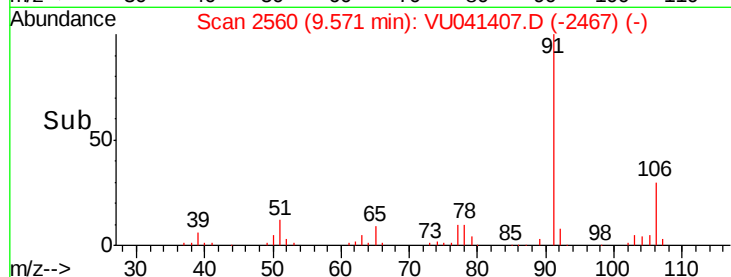
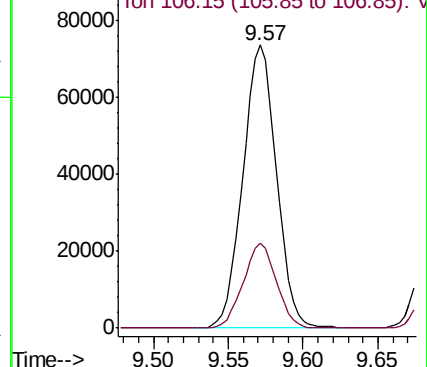
Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041407.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.458 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041407.D

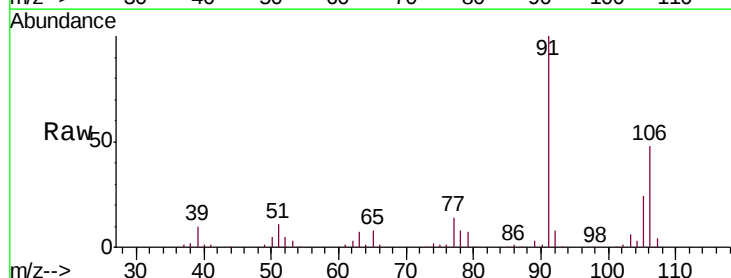
Acq: 23 Nov 2020 23:25

Tgt Ion: 106 Resp: 43295

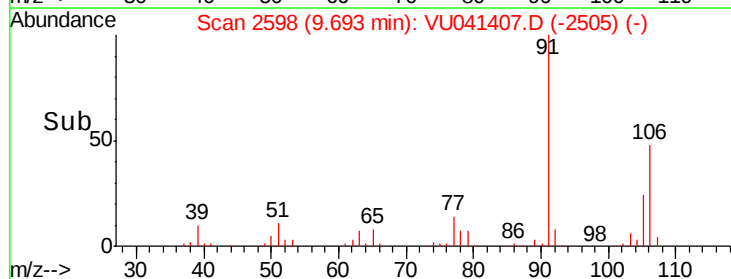
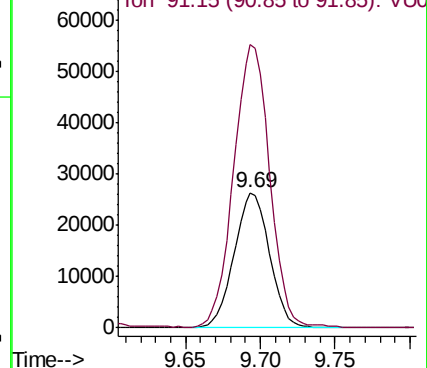
Ion Ratio Lower Upper

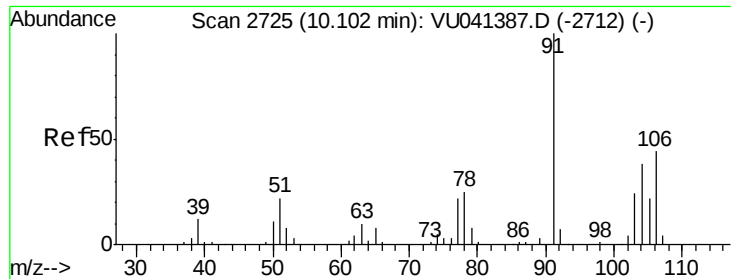
106 100

91 208.9 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041407.D (-2598) (-)

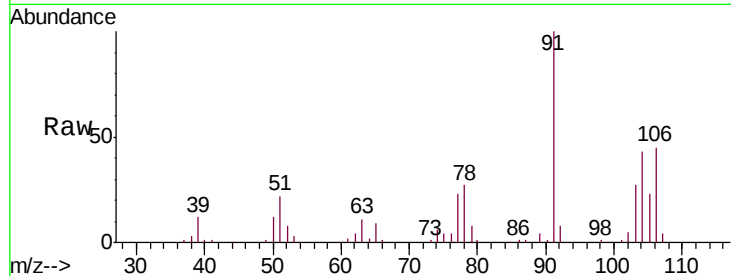




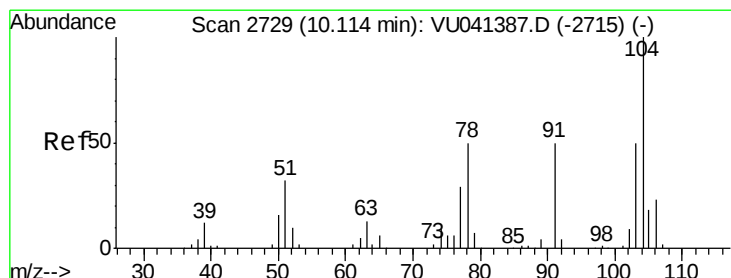
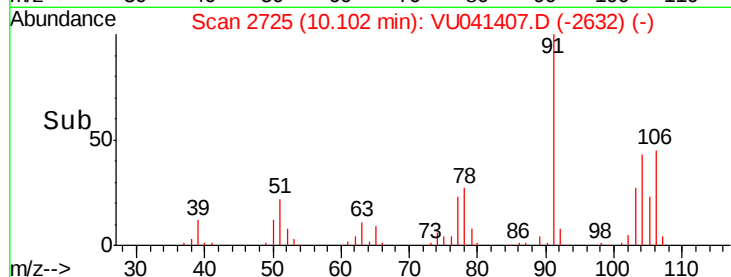
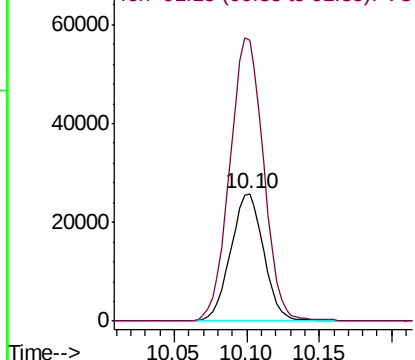
#54
o-Xylene
Concen: 5.349 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:106 Resp: 40873
Ion Ratio Lower Upper
106 100
91 219.8 162.0 300.8

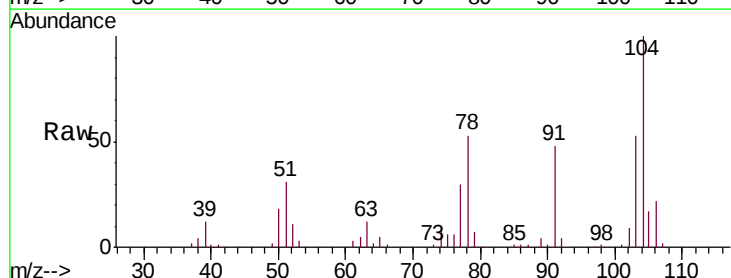


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

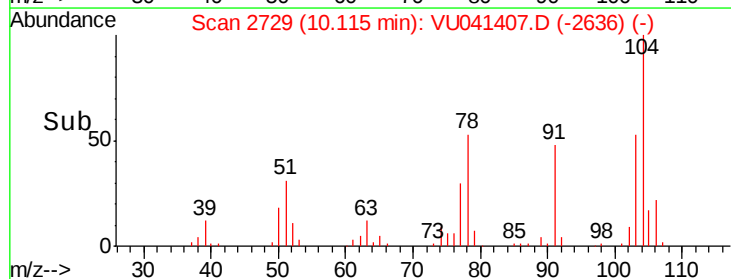
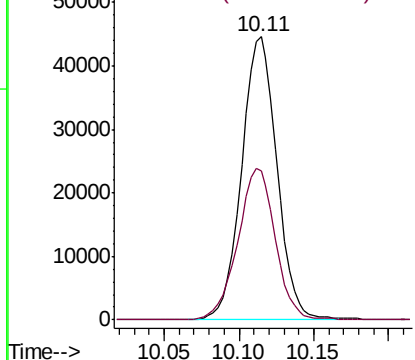


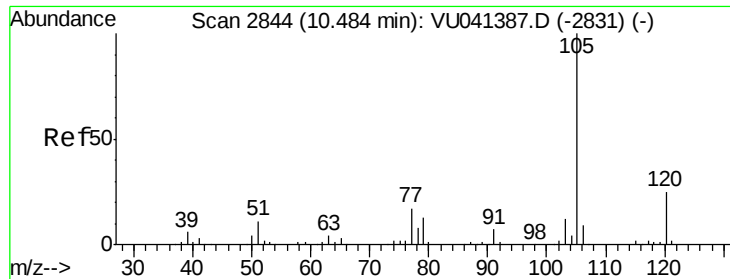
#55
Styrene
Concen: 5.747 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion:104 Resp: 73290
Ion Ratio Lower Upper
104 100
78 52.7 35.9 66.7



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





#56

Isopropylbenzene

Concen: 5.573 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

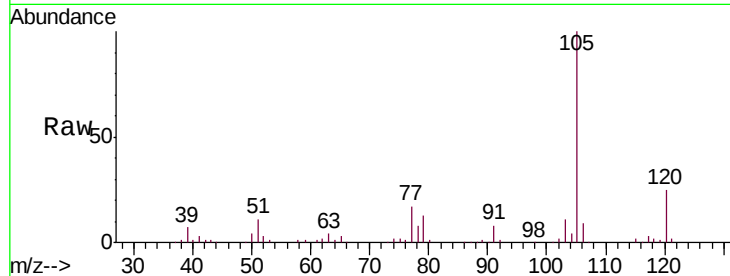
Tgt Ion: 105 Resp: 114357

Ion Ratio Lower Upper

105 100

120 24.7 20.1 30.1

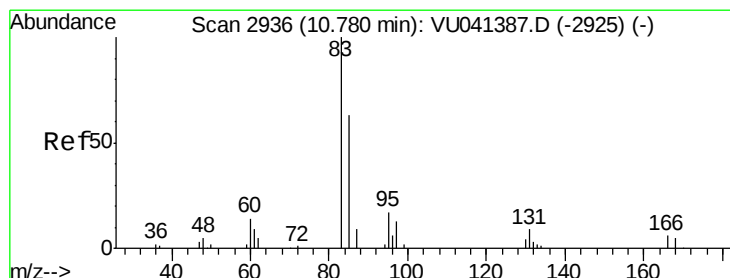
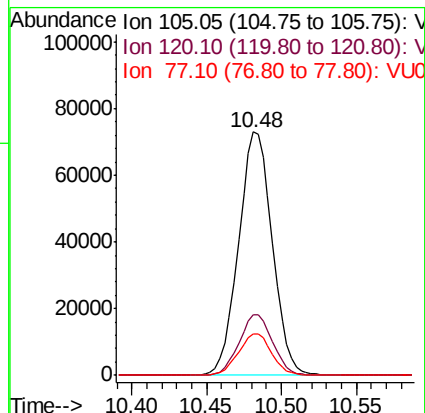
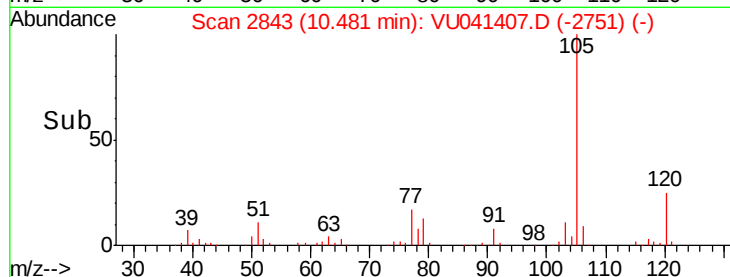
77 16.8 14.0 21.0



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: 6.055 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041407.D

Acq: 23 Nov 2020 23:25

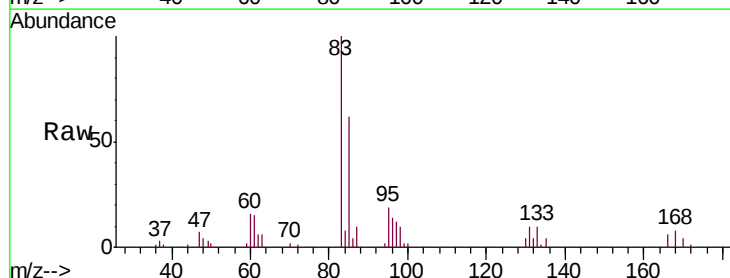
Tgt Ion: 83 Resp: 26922

Ion Ratio Lower Upper

83 100

85 62.4 45.1 83.9

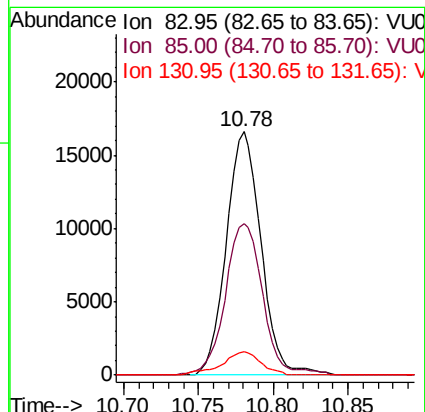
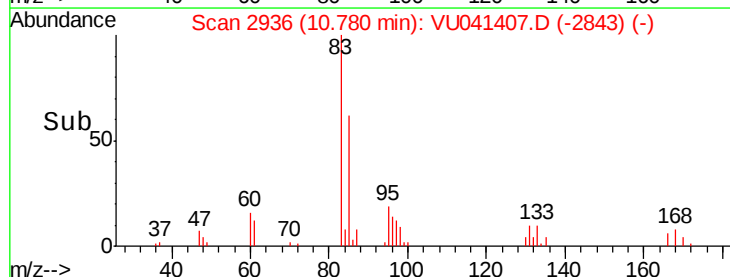
131 9.8 7.6 11.4

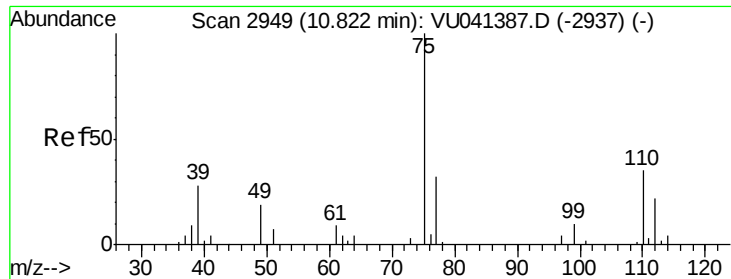


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

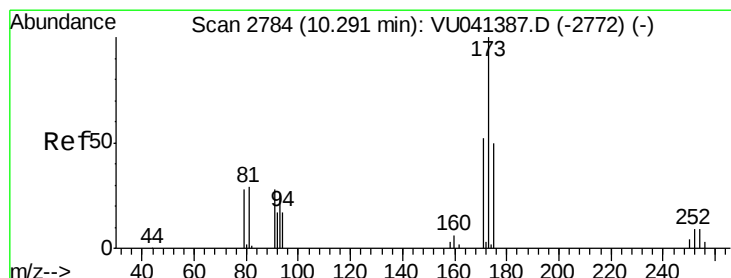
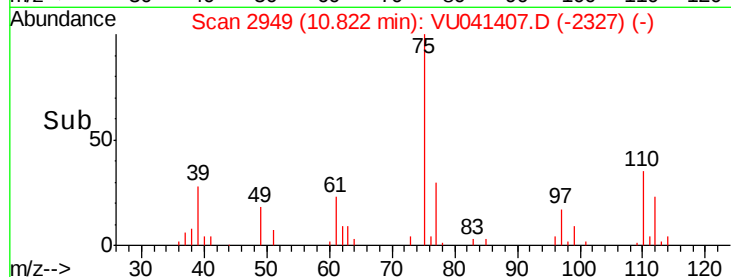
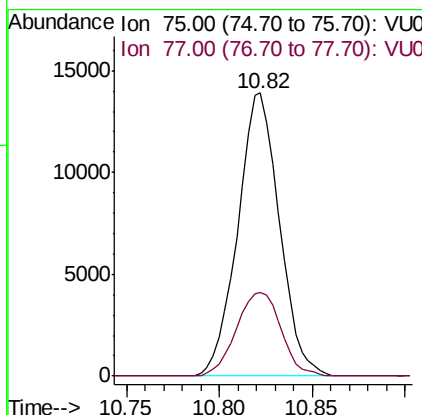
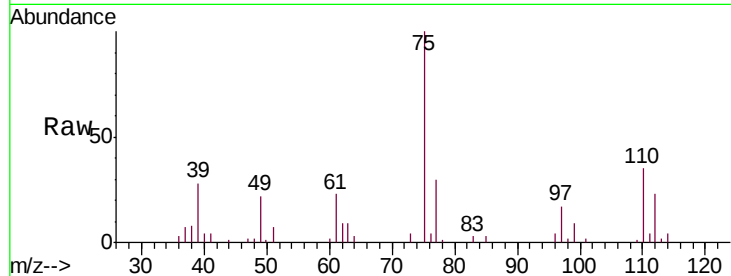




#59
 1,2,3-Trichloropropane
 Concen: 6.363 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

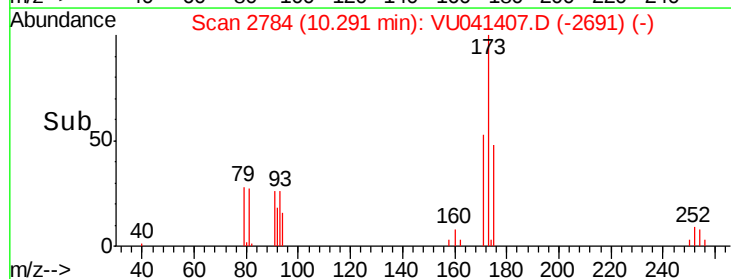
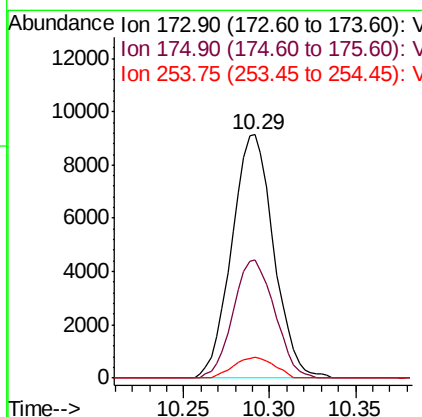
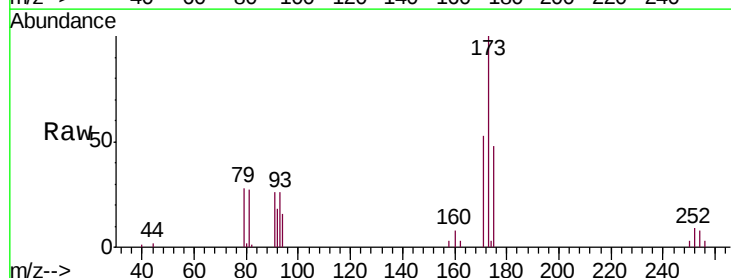
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

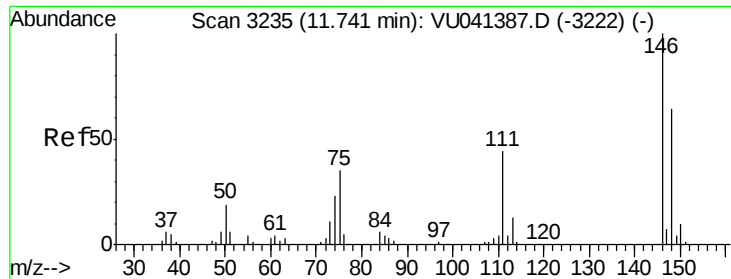
Tgt Ion: 75 Resp: 21673
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.1 37.7



#61
 Bromoform
 Concen: 5.799 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 173 Resp: 15502
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.9 56.9
 254 8.3 7.1 10.7

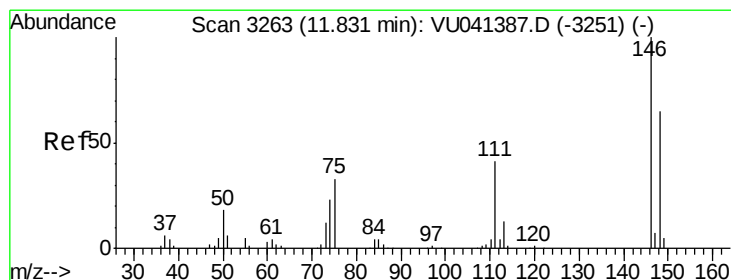
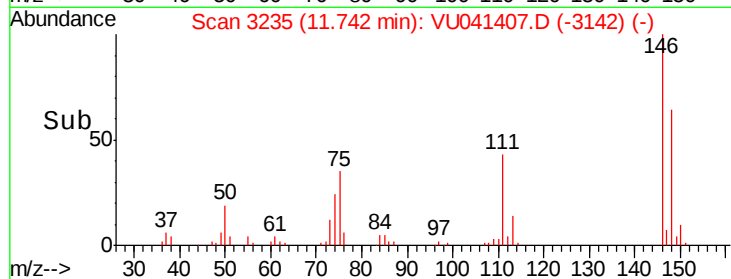
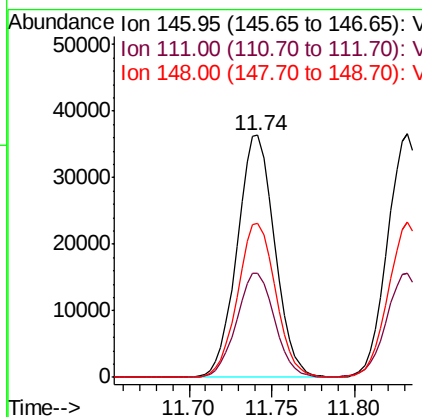
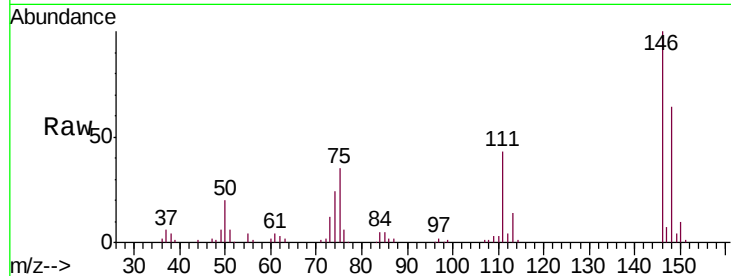




#62
 1,3-Dichlorobenzene
 Concen: 5.245 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

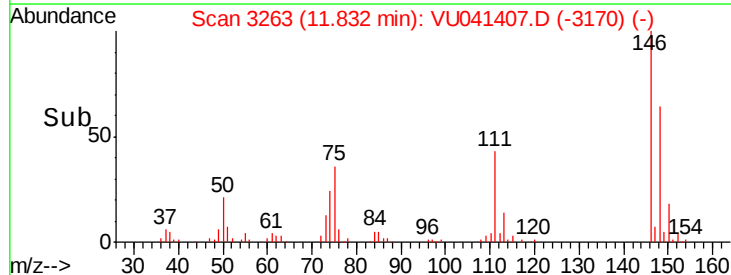
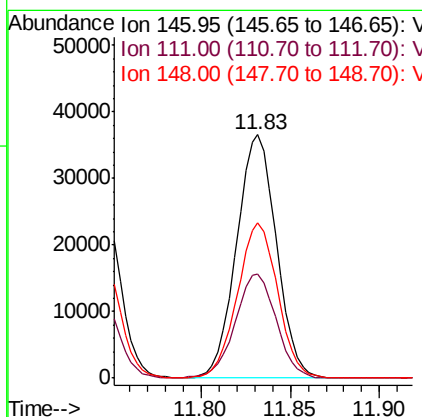
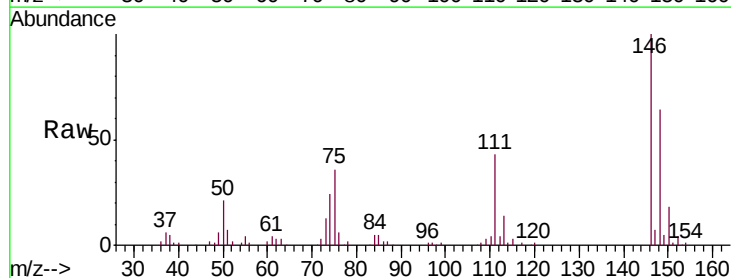
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

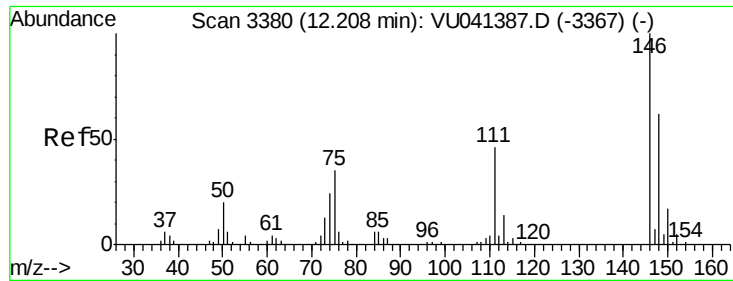
Tgt Ion:146 Resp: 57501
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.5 54.7
 148 63.8 46.3 85.9



#63
 1,4-Dichlorobenzene
 Concen: 5.235 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion:146 Resp: 56752
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.0 55.6
 148 63.5 44.4 82.5

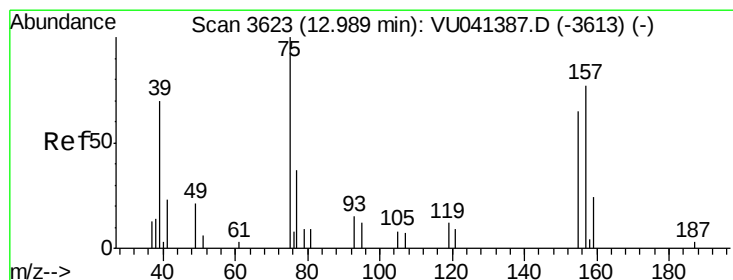
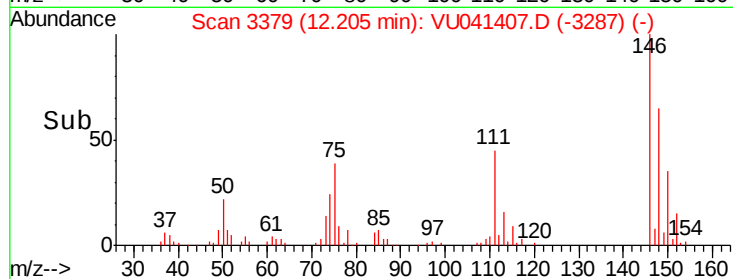
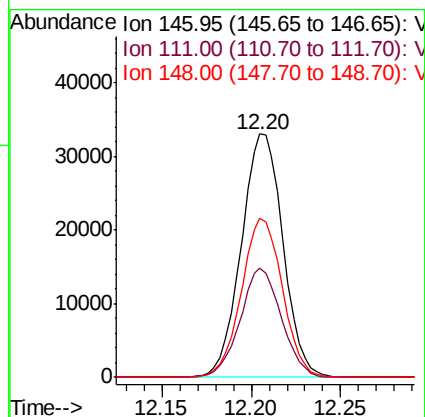
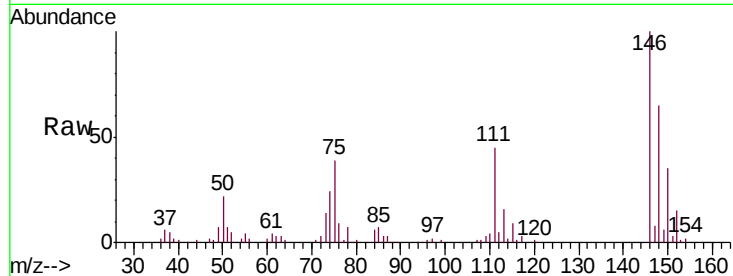




#65
 1,2-Dichlorobenzene
 Concen: 5.302 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

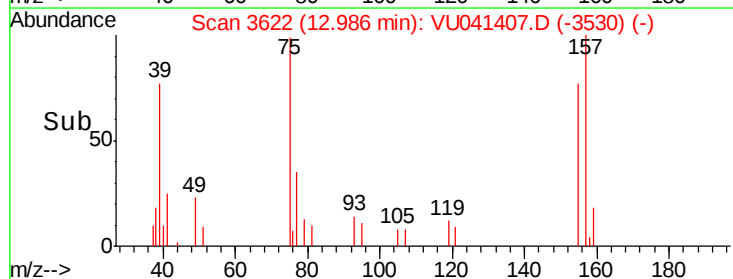
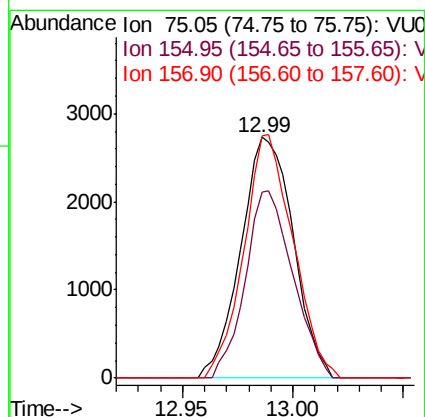
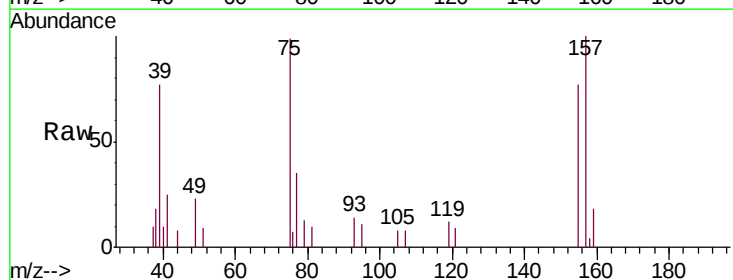
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

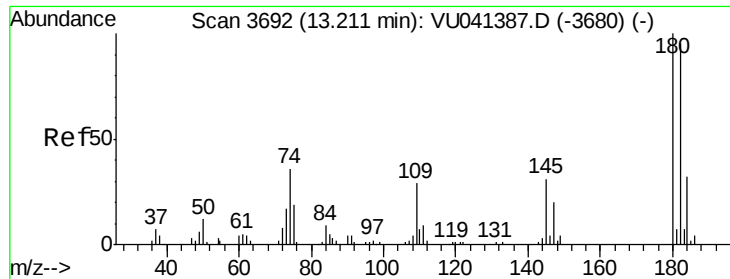
Tgt Ion: 146 Resp: 53776
 Ion Ratio Lower Upper
 146 100
 111 44.9 35.3 52.9
 148 65.1 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.660 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion: 75 Resp: 4499
 Ion Ratio Lower Upper
 75 100
 155 77.4 51.9 77.9
 157 100.6 71.5 107.3

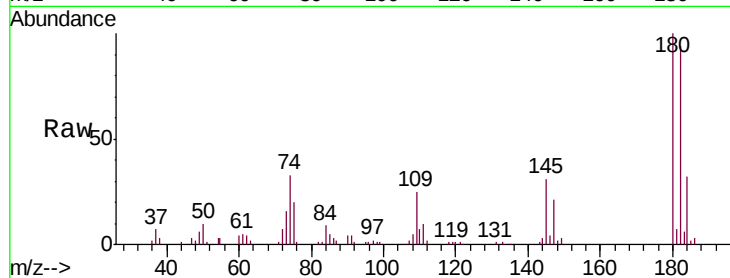




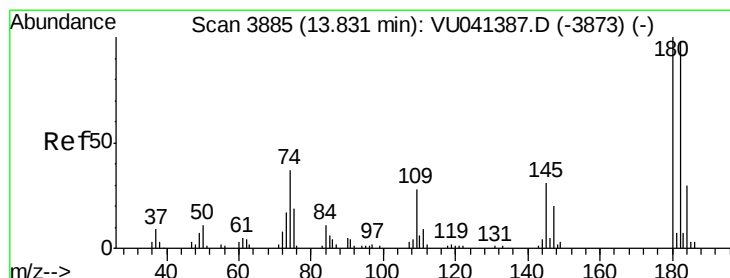
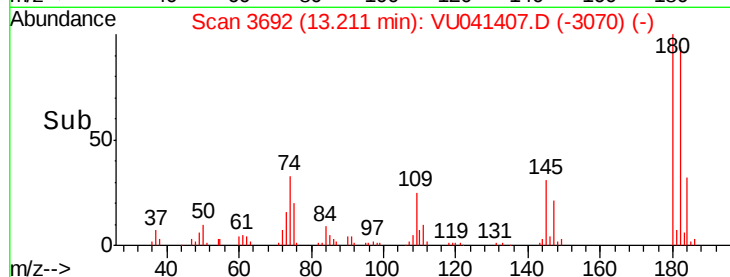
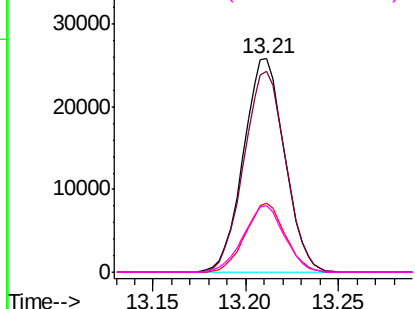
#67
 1,3,5-Trichlorobenzene
 Concen: 5.167 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tgt Ion:180 Resp: 39818
 Ion Ratio Lower Upper
 180 100
 182 94.9 77.5 116.3
 184 31.0 25.7 38.5
 145 31.2 26.2 39.2

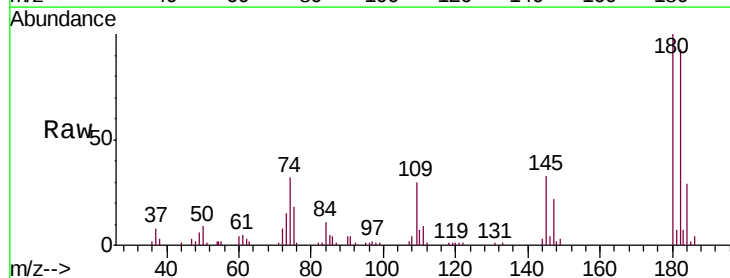


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

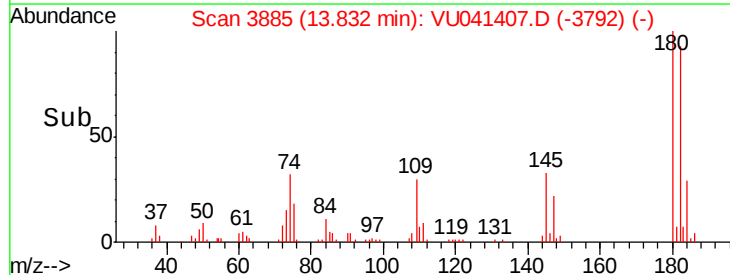
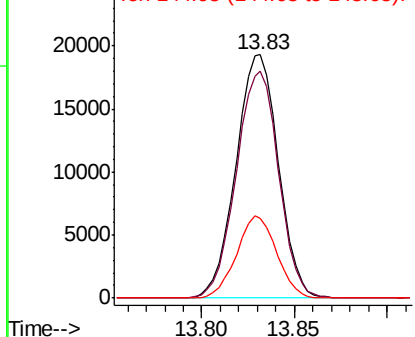


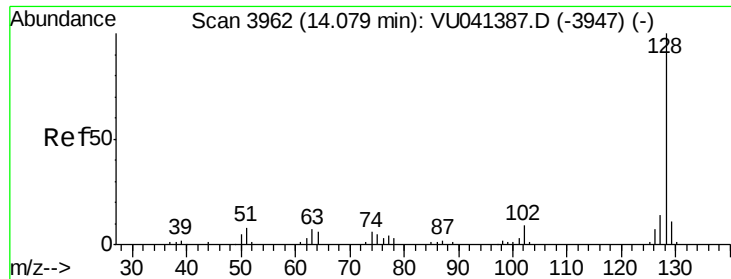
#68
 1,2,4-trichlorobenzene
 Concen: 5.081 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041407.D
 Acq: 23 Nov 2020 23:25

Tgt Ion:180 Resp: 30735
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.0 114.0
 145 31.8 25.7 38.5



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

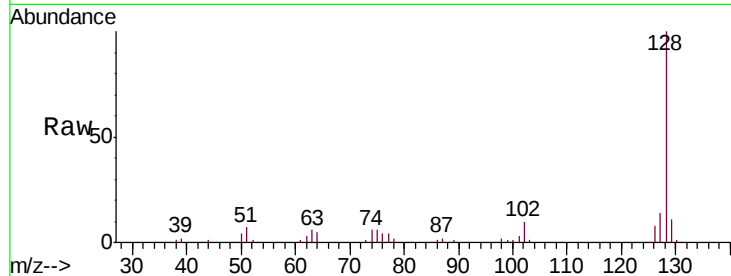




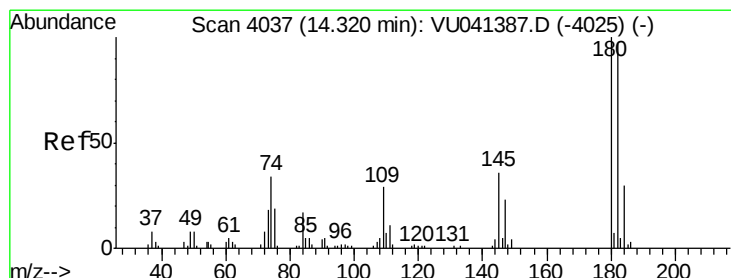
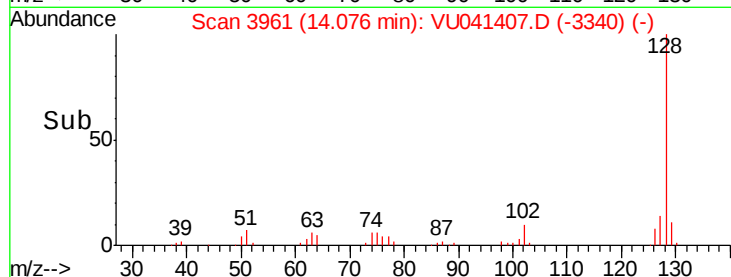
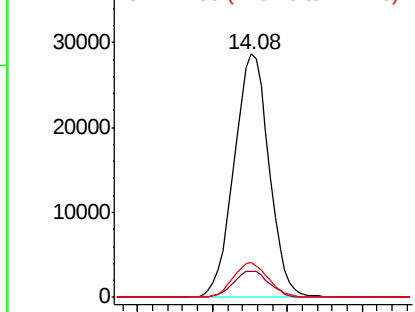
#69
Naphthalene
Concen: 4.918 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tgt Ion:128 Resp: 46739
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.9 10.7 16.1

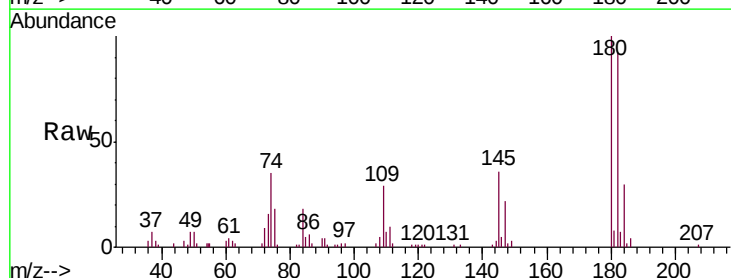


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.323 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU041407.D
Acq: 23 Nov 2020 23:25

Tgt Ion:180 Resp: 29423
Ion Ratio Lower Upper
180 100
182 91.8 75.9 113.9
145 34.7 27.7 41.5



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

