

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040389.D
 Acq On : 30 Sep 2020 09:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Quant Time: Oct 01 03:04:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	130733	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130123	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	69078	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30959	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	1.92	69	29429	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.58	63	79655	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	4.65	46	173197	53.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.74%
24) Chloroform-d	5.08	84	79324	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	48414	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.74	84	138042	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.70	67	48340	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	122189	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.18	79	19436	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.64	63	128676	56.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.04%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49448	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	53708	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	71317	5.440 ug/L	98
3) Chloromethane	1.53	50	65684	5.109 ug/L	99
5) Vinyl chloride	1.61	62	69599	5.508 ug/L	100
6) Bromomethane	1.87	94	33606	5.468 ug/L	97
8) Chloroethane	1.94	64	41724	5.571 ug/L	98
9) Trichlorofluoromethane	2.15	101	95839	5.498 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	61292	5.507 ug/L	100
12) 1,1-Dichloroethene	2.59	96	53407	5.364 ug/L	97
13) Acetone	2.65	43	149805	55.918 ug/L	100
14) Carbon disulfide	2.81	76	169991	5.402 ug/L	100
15) Methyl Acetate	2.96	43	35707	5.534 ug/L	98
16) Methylene chloride	3.06	84	64212	5.134 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	147464	5.376 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	55935	5.433 ug/L	97
19) 1,1-Dichloroethane	3.89	63	115029	5.444 ug/L	98
21) 2-Butanone	4.73	43	247862	57.641 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	61808	5.427 ug/L	92

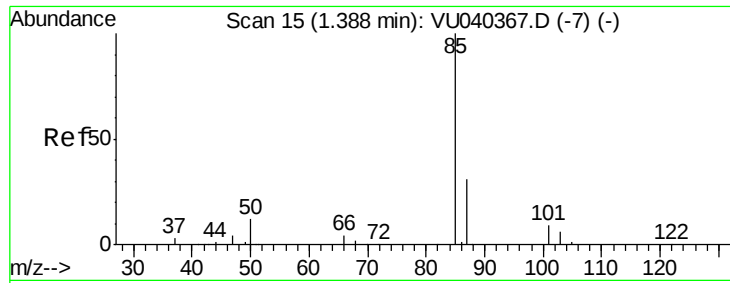
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU093020\
 Data File : VU040389.D
 Acq On : 30 Sep 2020 09:32
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 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Oct 01 03:04:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28906	5.544	ug/L	95
25) Chloroform	5.11	83	120141	5.574	ug/L	99
27) 1,2-Dichloroethane	5.81	62	85812	5.750	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	98894	5.564	ug/L	99
30) Cyclohexane	5.40	56	101457	5.517	ug/L	97
31) Carbon tetrachloride	5.54	117	85925	5.638	ug/L	99
33) Benzene	5.79	78	247588	5.675	ug/L	100
34) Trichloroethene	6.55	95	62708	5.414	ug/L	95
35) Methylcyclohexane	6.77	83	95568	5.626	ug/L	99
37) 1,2-Dichloropropane	6.80	63	68246	5.617	ug/L	99
38) Bromodichloromethane	7.11	83	84442	5.629	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	90880	5.577	ug/L	94
40) 4-Methyl-2-pentanone	7.80	43	563216	59.197	ug/L	100
42) Toluene	7.97	91	256589	5.736	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	85367	5.682	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	47871	5.621	ug/L	97
47) Tetrachloroethene	8.56	164	46325	5.633	ug/L	99
48) 2-Hexanone	8.69	43	424984	60.618	ug/L	99
49) Dibromochloromethane	8.81	129	57736	5.828	ug/L	99
50) 1,2-Dibromoethane	8.93	107	46354	5.674	ug/L	94
51) Chlorobenzene	9.45	112	161110	5.570	ug/L	98
52) Ethylbenzene	9.57	91	273290	5.630	ug/L	100
53) m,p-Xylene	9.69	106	104569	5.782	ug/L	97
54) o-Xylene	10.10	106	98059	5.764	ug/L	96
55) Styrene	10.11	104	177292	5.974	ug/L	98
56) Isopropylbenzene	10.48	105	267698	5.831	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	64871	5.620	ug/L #	99
59) 1,2,3-Trichloropropane	10.82	75	48284	5.483	ug/L	99
61) Bromoform	10.29	173	32175	5.636	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	131665	5.757	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	133237	5.601	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	122271	5.500	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	11076	5.527	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	90673	5.554	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	72013	5.489	ug/L	99
69) Naphthalene	14.08	128	121181	5.405	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	68239	5.685	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.440 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

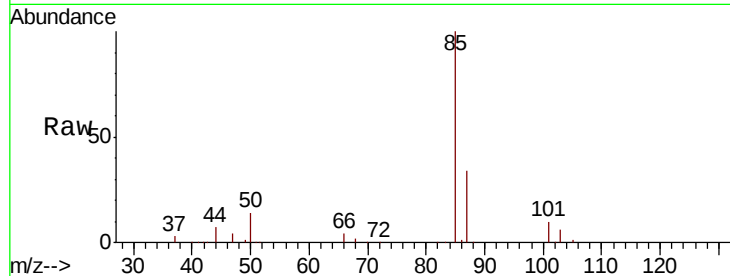
VSTD00526

Tot Ion: 85 Resp: 71317

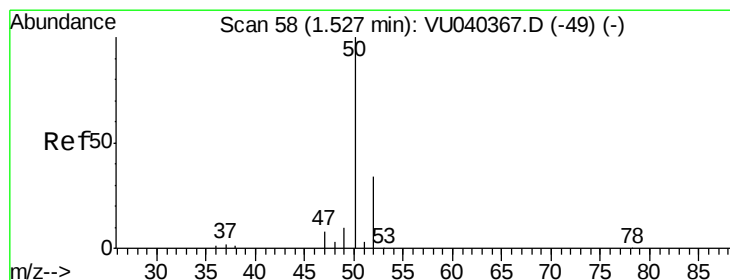
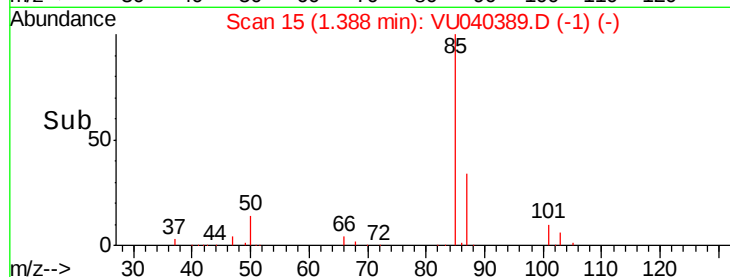
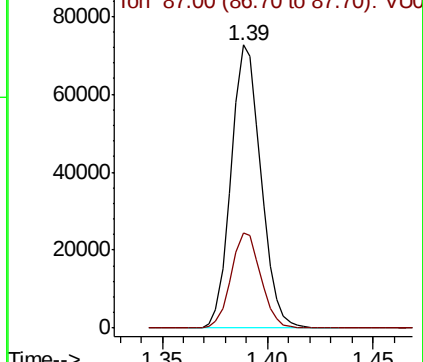
Ion Ratio Lower Upper

85 100

87 33.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040367.D (-7) (-)



#3

Chloromethane

Concen: 5.109 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040389.D

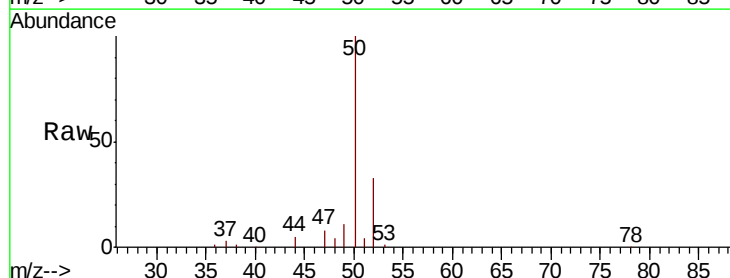
Acq: 30 Sep 2020 09:32

Tgt Ion: 50 Resp: 65684

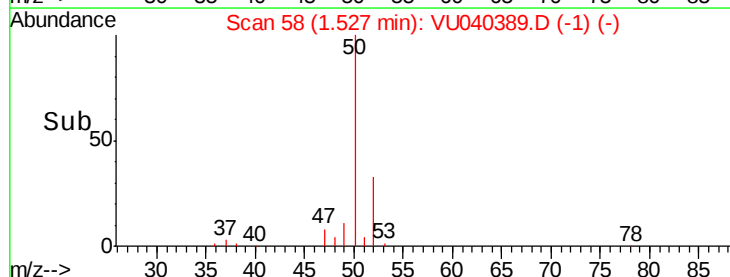
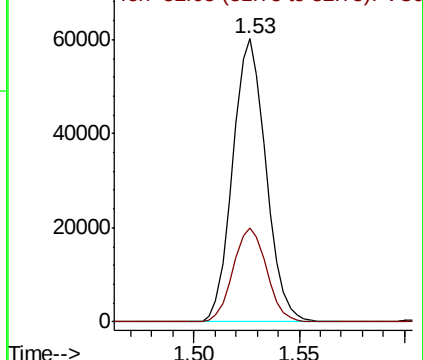
Ion Ratio Lower Upper

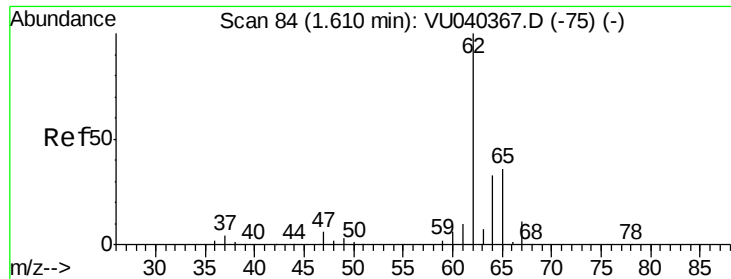
50 100

52 33.1 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040367.D (-49) (-)





#5

Vinyl chloride

Concen: 5.508 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampled :

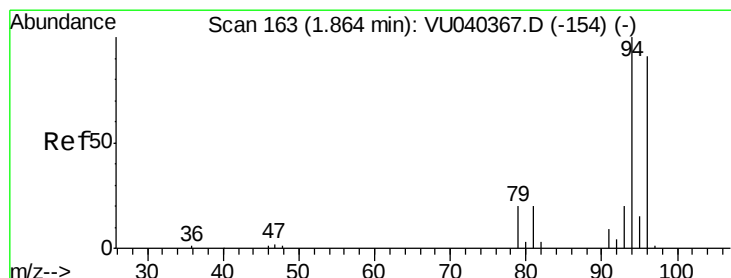
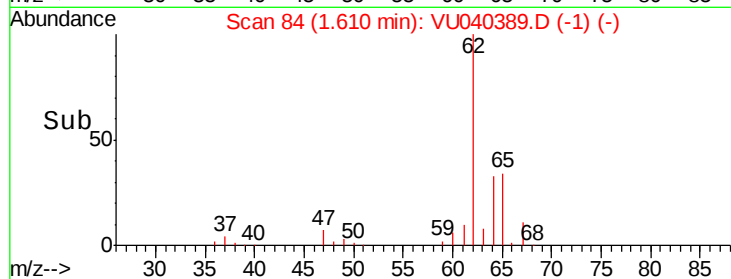
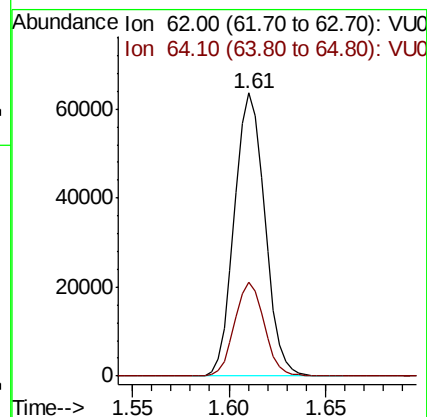
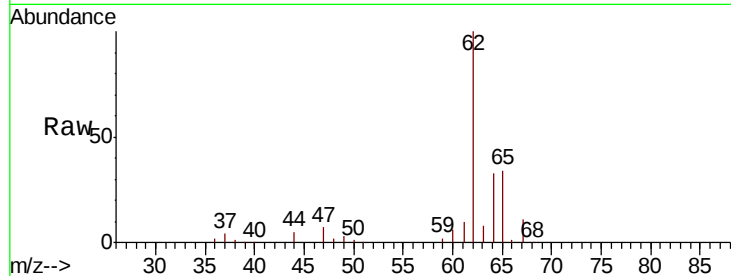
VSTD00526

Tot Ion: 62 Resp: 69599

Ion Ratio Lower Upper

62 100

64 33.1 23.0 42.8



#6

Bromomethane

Concen: 5.468 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040389.D

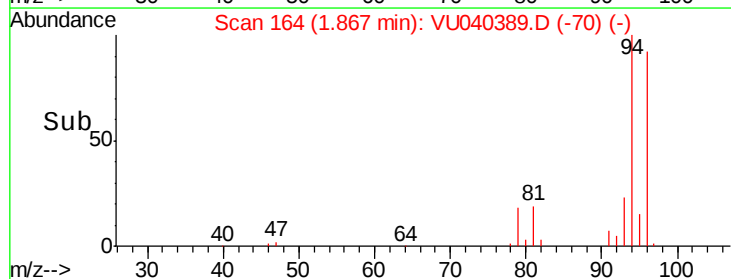
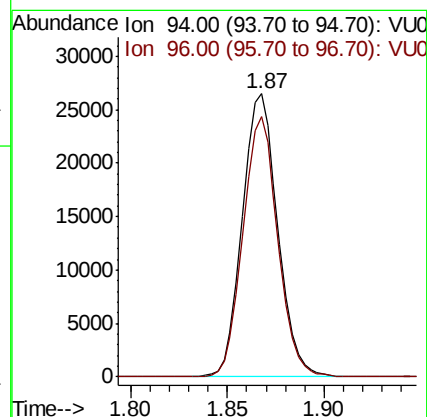
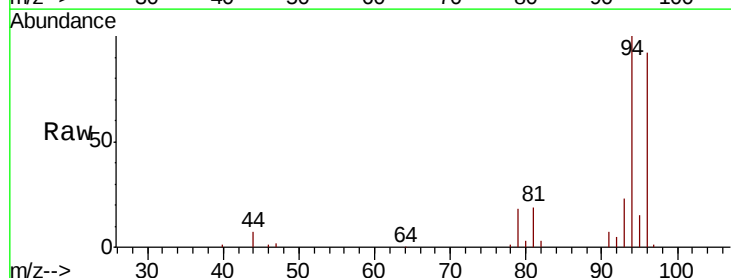
Acq: 30 Sep 2020 09:32

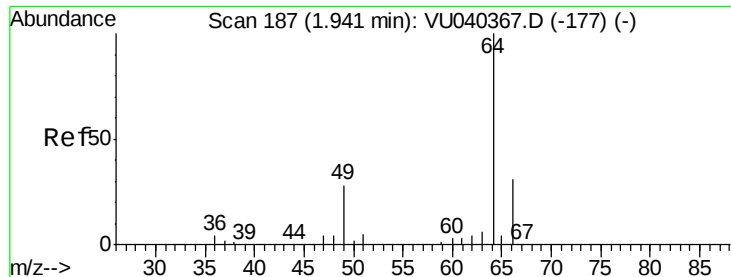
Tgt Ion: 94 Resp: 33606

Ion Ratio Lower Upper

94 100

96 91.9 66.3 123.1





#8

Chloroethane

Concen: 5.571 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

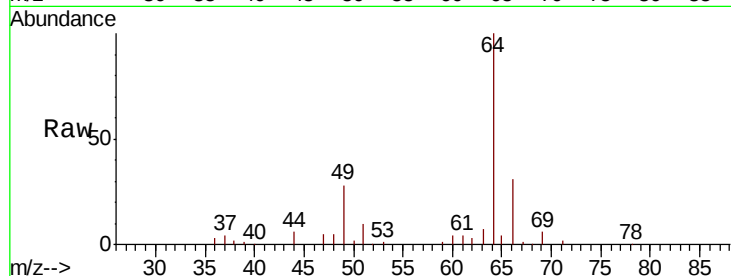
VSTD00526

Tot Ion: 64 Resp: 41724

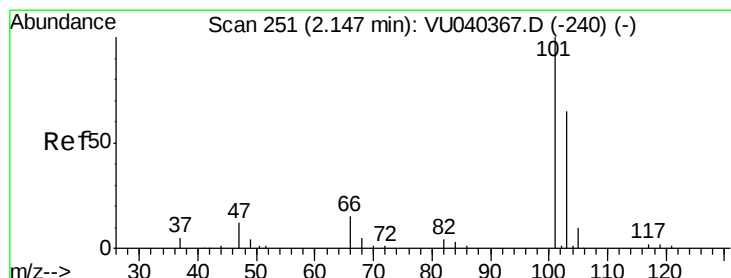
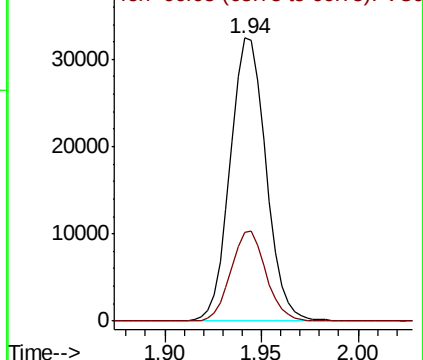
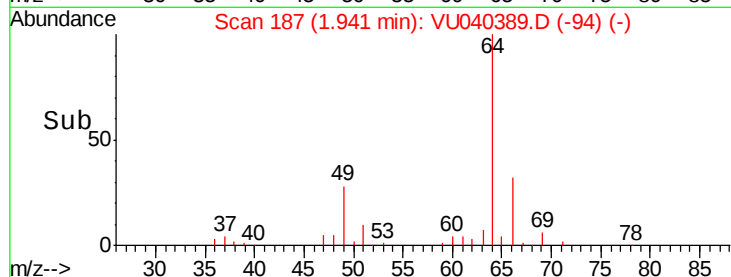
Ion Ratio Lower Upper

64 100

66 31.5 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040389.D (-94) (-)



#9

Trichlorofluoromethane

Concen: 5.498 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040389.D

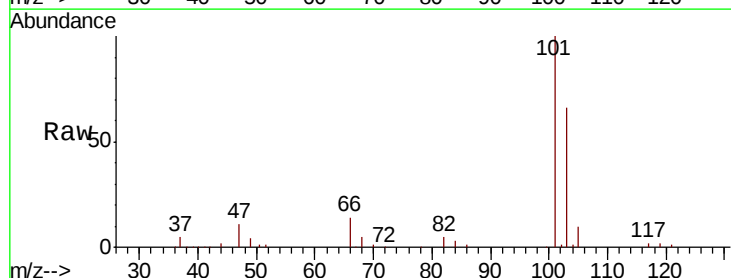
Acq: 30 Sep 2020 09:32

Tgt Ion:101 Resp: 95839

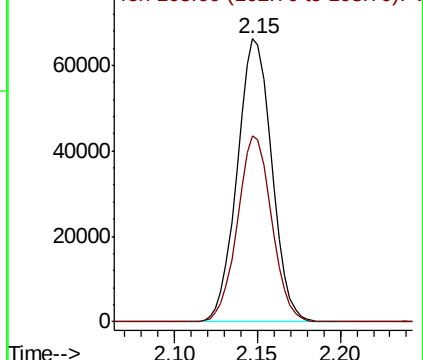
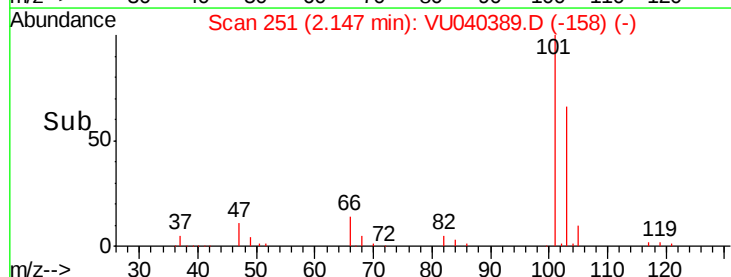
Ion Ratio Lower Upper

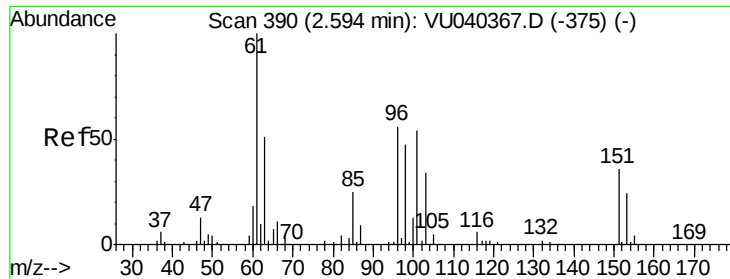
101 100

103 65.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040389.D (-158) (-)





#10

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

Concen: 5.507 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

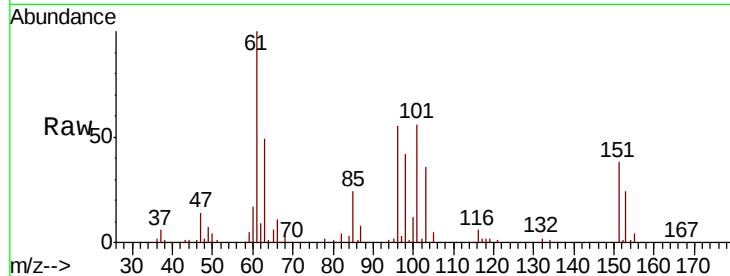
Tot Ion:101 Resp: 61292

Ion Ratio Lower Upper

101 100

85 44.2 35.0 52.6

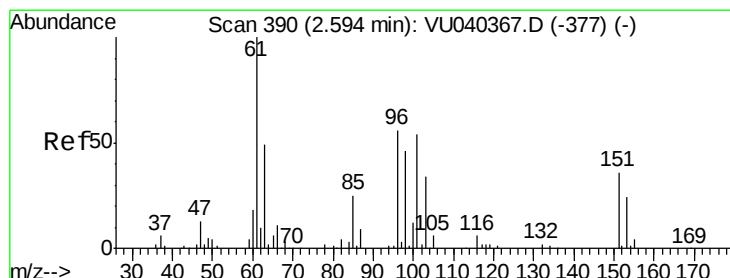
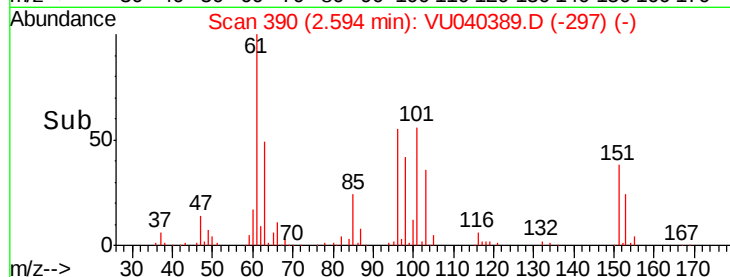
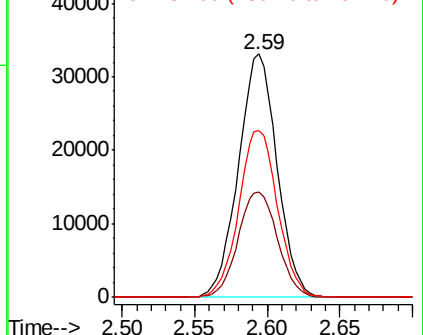
151 69.0 55.4 83.2



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: 5.364 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

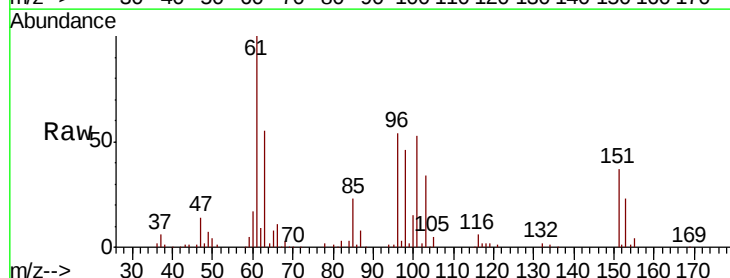
Tgt Ion: 96 Resp: 53407

Ion Ratio Lower Upper

96 100

61 185.9 128.6 238.8

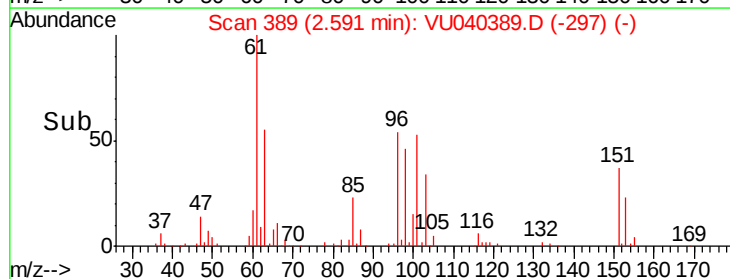
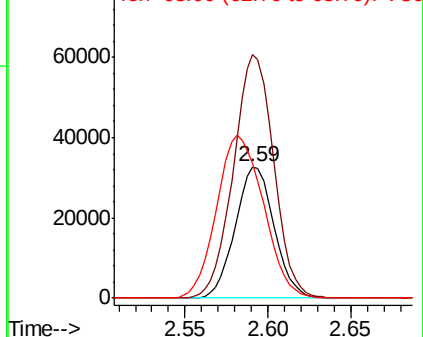
63 102.5 67.8 126.0

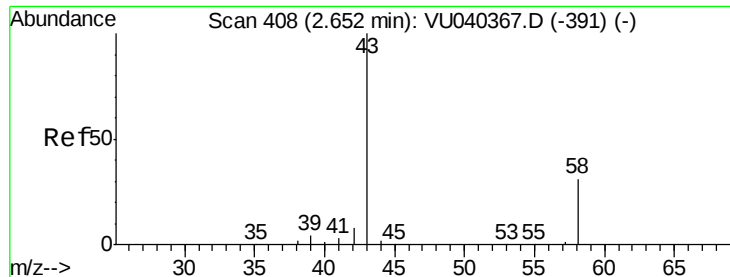


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.918 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

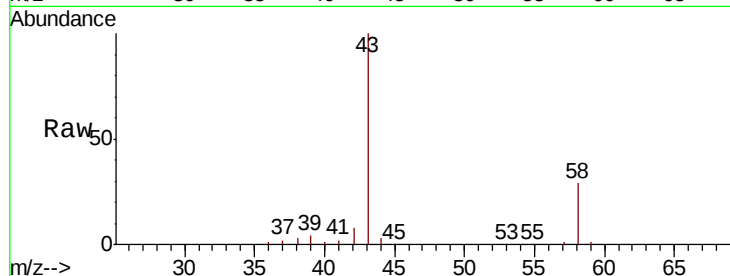
VSTD00526

Tot Ion: 43 Resp: 149805

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040367.D (-391) (-)

Ion 58.05 (57.75 to 58.75): VU040367.D (-391) (-)

2.65

60000

50000

40000

30000

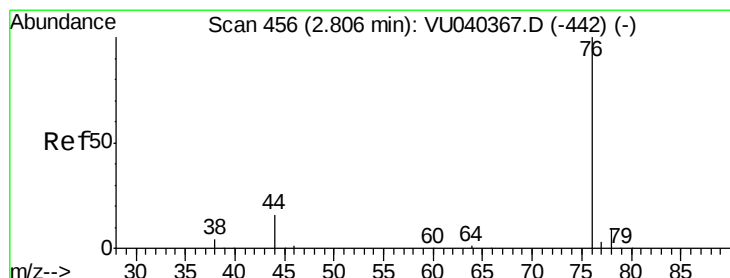
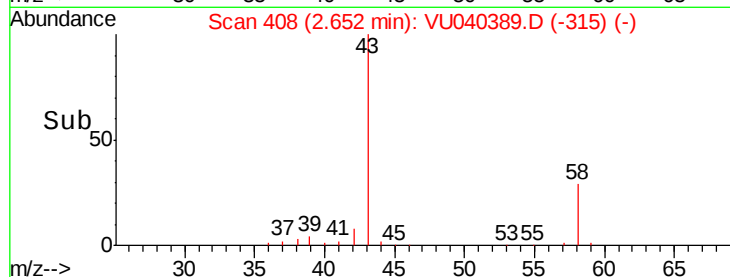
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.402 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040389.D

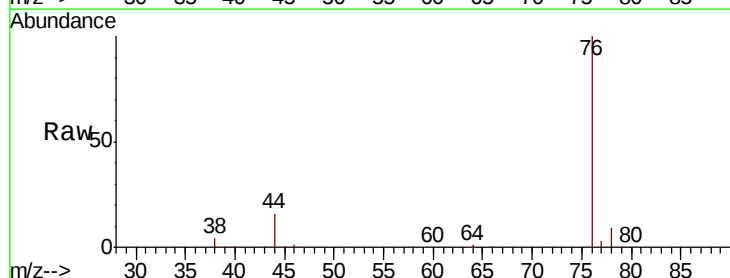
Acq: 30 Sep 2020 09:32

Tgt Ion: 76 Resp: 169991

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040367.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040367.D (-442) (-)

2.81

120000

100000

80000

60000

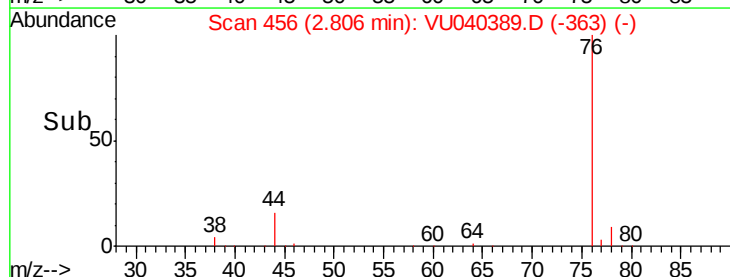
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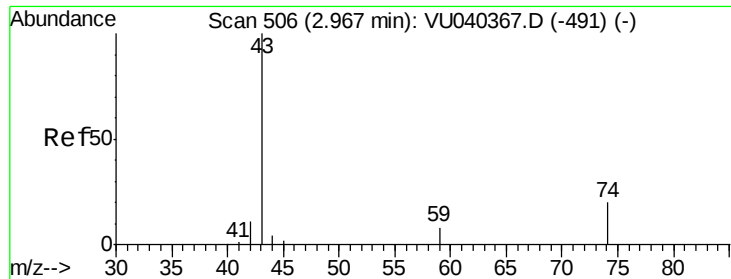
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methyl Acetate

Concen: 5.534 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

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ClientSampleId :

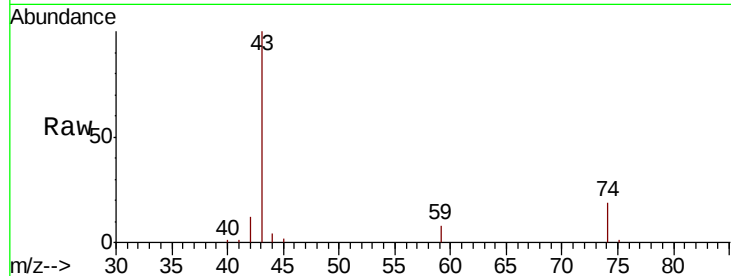
VSTD00526

Tot Ion: 43 Resp: 35707

Ion Ratio Lower Upper

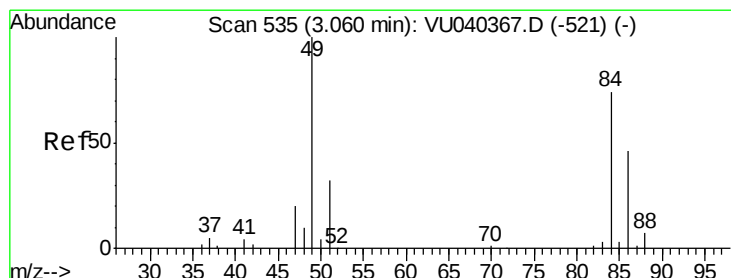
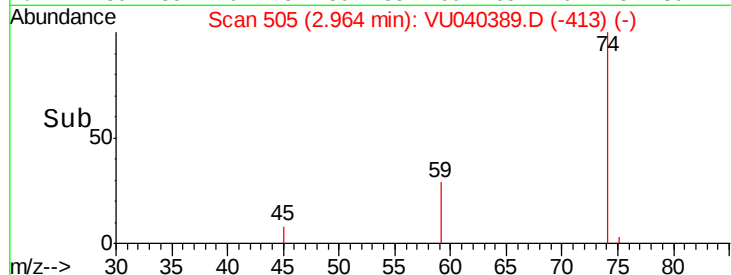
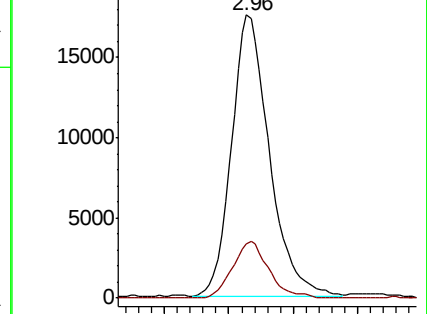
43 100

74 19.3 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU040367.D (-491) (-)

Ion 74.05 (73.75 to 74.75): VU040367.D (-491) (-)



#16

Methylene chloride

Concen: 5.134 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

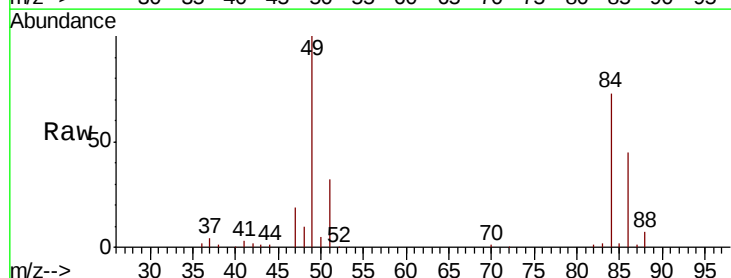
Tgt Ion: 84 Resp: 64212

Ion Ratio Lower Upper

84 100

86 61.5 44.4 82.5

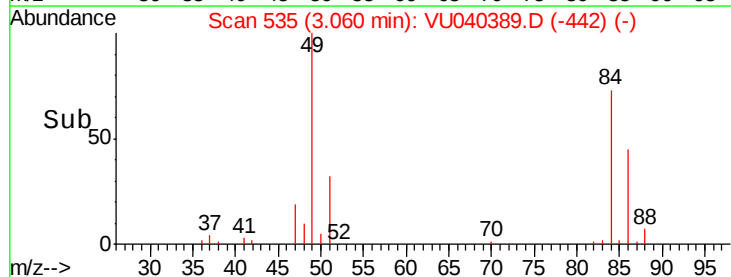
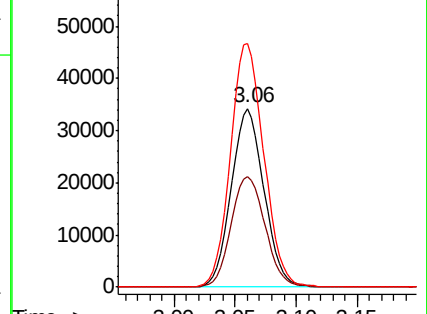
49 136.2 92.2 171.2

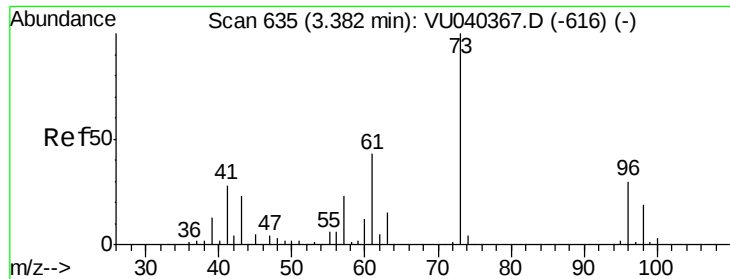


Abundance Ion 84.05 (83.75 to 84.75): VU040367.D (-521) (-)

Ion 86.00 (85.70 to 86.70): VU040367.D (-521) (-)

Ion 49.10 (48.80 to 49.80): VU040367.D (-521) (-)

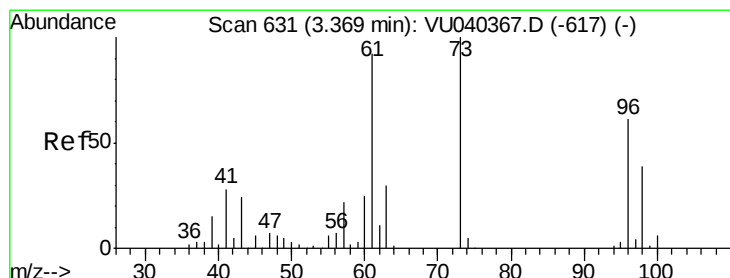
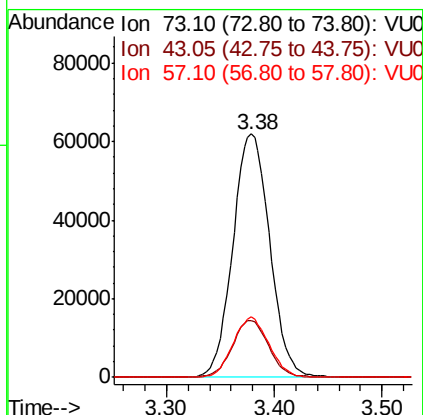
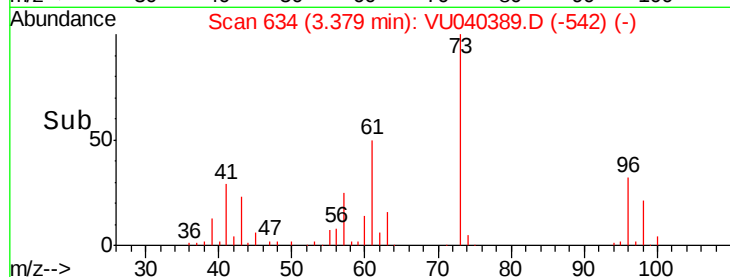
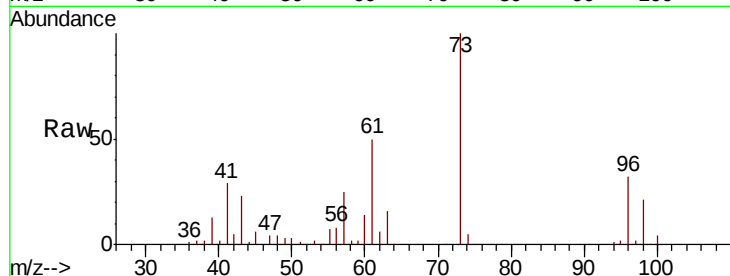




#17
Methvl tert-butvl Ether
Concen: 5.376 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

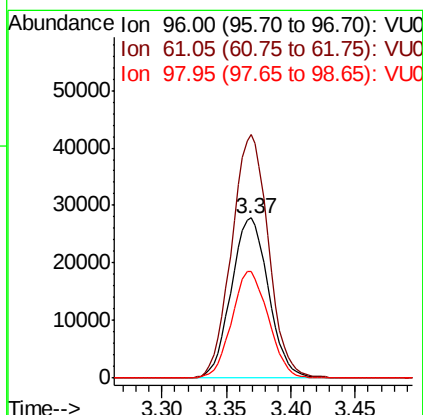
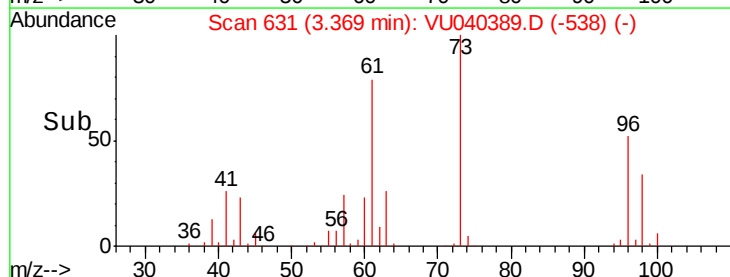
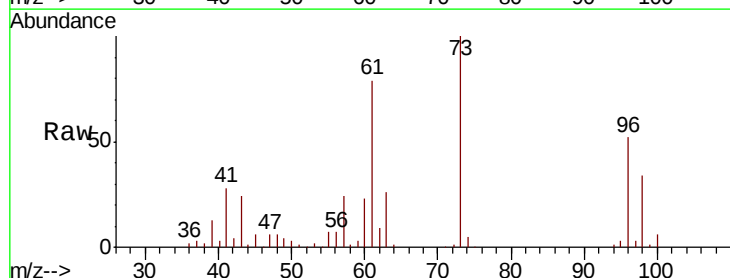
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

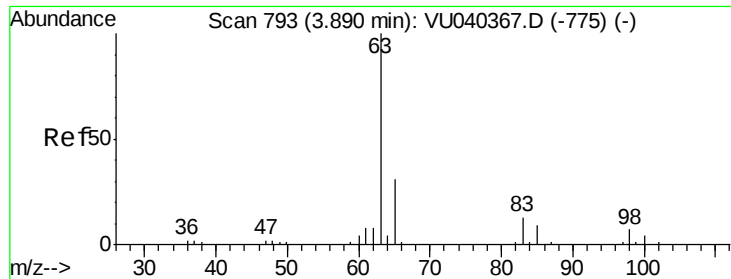
Tot Ion: 73 Resp: 147464
Ion Ratio Lower Upper
73 100
43 23.2 19.0 28.4
57 23.9 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.433 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Tgt Ion: 96 Resp: 55935
Ion Ratio Lower Upper
96 100
61 152.2 109.3 203.1
98 66.3 45.8 85.0

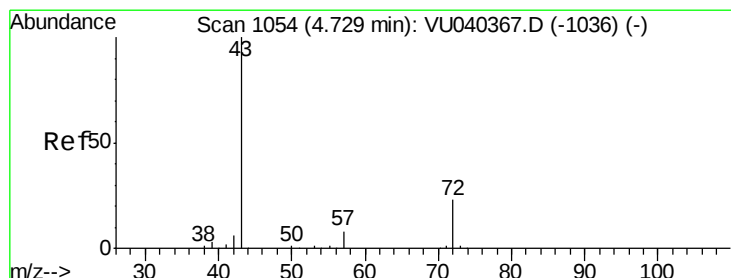
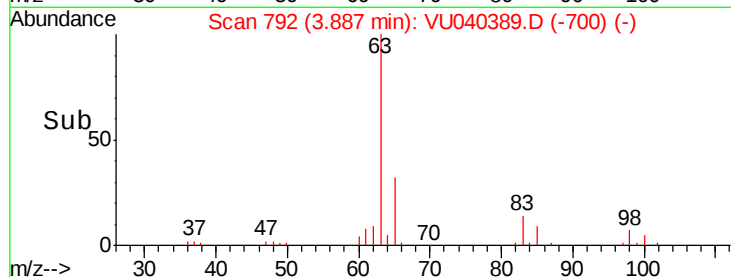
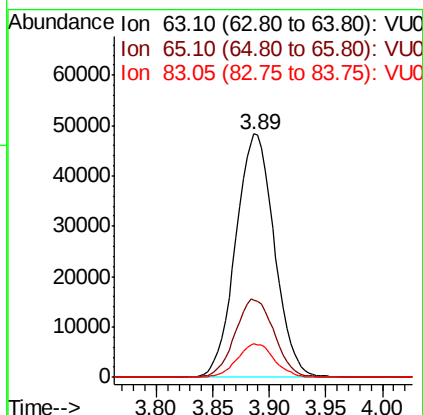
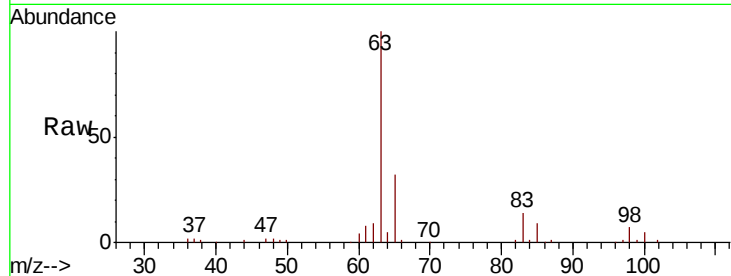




#19
 1,1-Dichloroethane
 Concen: 5.444 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

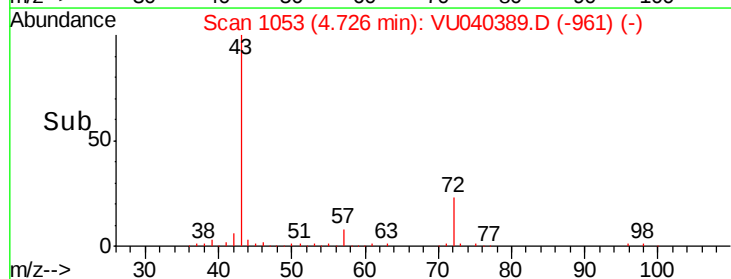
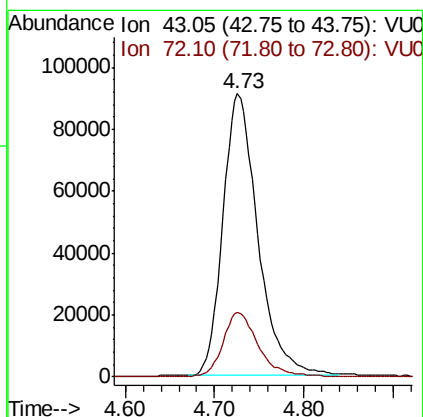
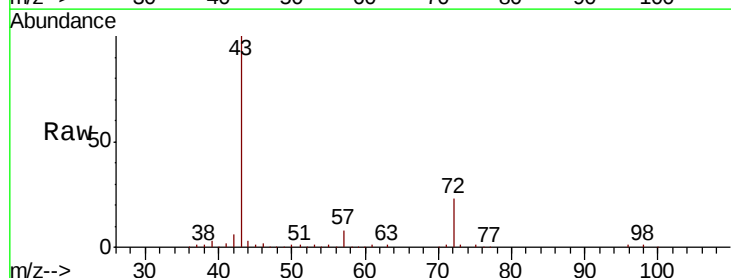
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

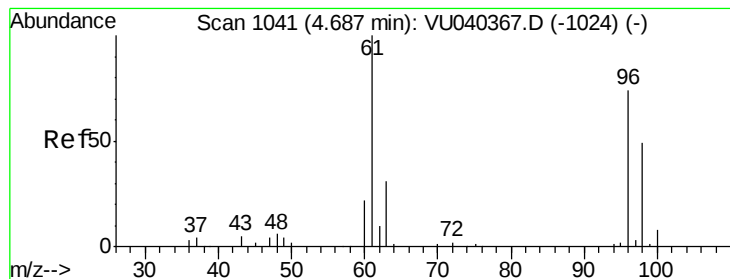
Tot Ion: 63 Resp: 115029
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.7 40.3
 83 13.6 9.1 16.9



#21
 2-Butanone
 Concen: 57.641 ug/L
 RT: 4.73 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion: 43 Resp: 247862
 Ion Ratio Lower Upper
 43 100
 72 23.2 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 5.427 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

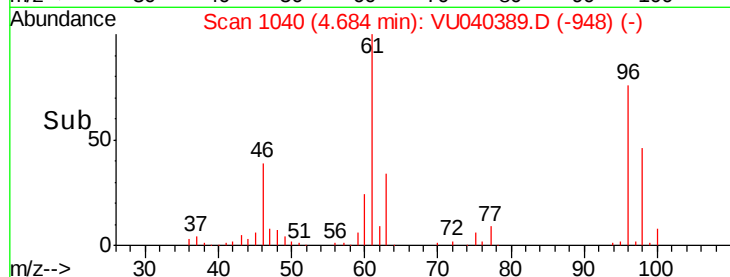
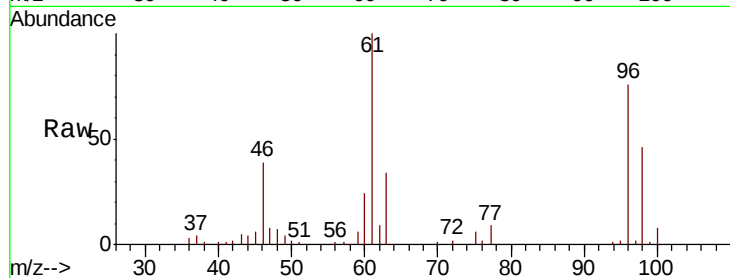
Tot Ion: 96 Resp: 61808

Ion Ratio Lower Upper

96 100

61 132.3 99.3 184.5

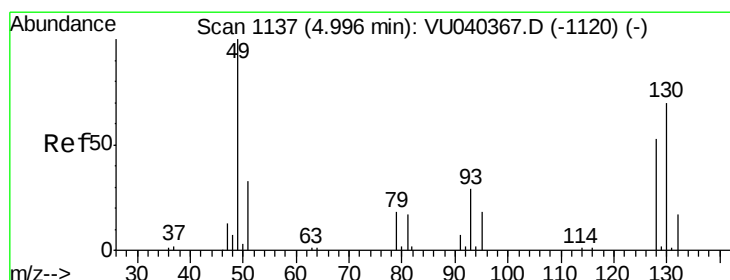
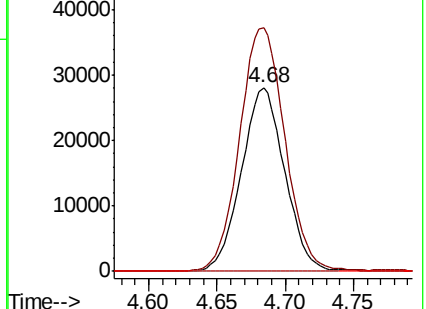
68 0.0 0.0 0.0



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: 5.544 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Tgt Ion: 128 Resp: 28906

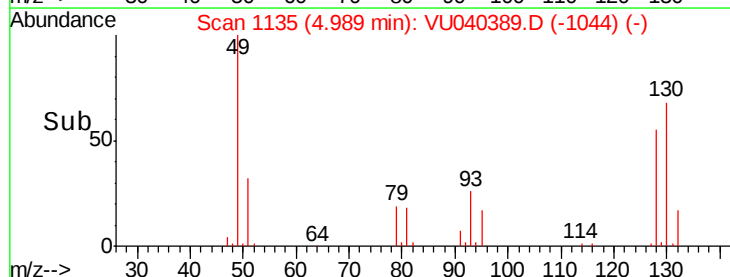
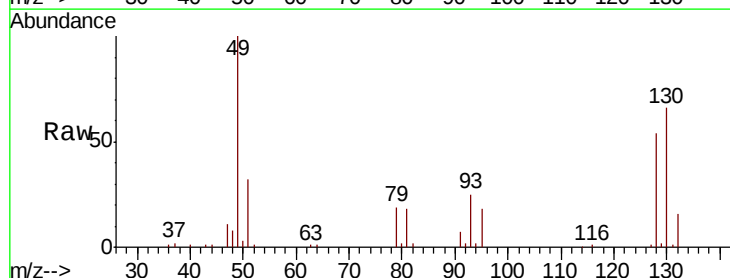
Ion Ratio Lower Upper

128 100

49 186.3 134.6 250.0

130 122.8 91.1 169.1

51 59.5 50.6 75.8

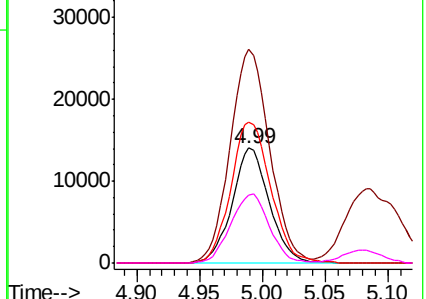


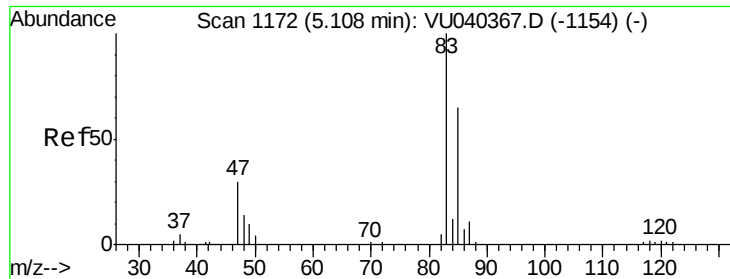
Abundance Ion 127.90 (127.60 to 128.60): V

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

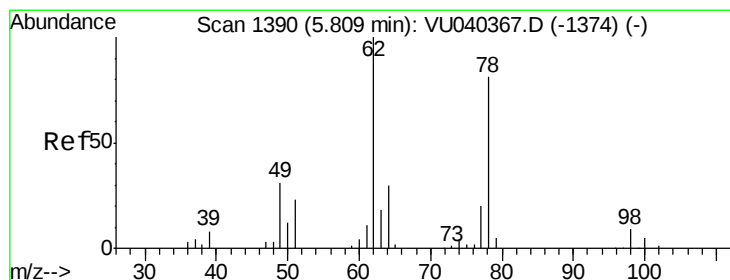
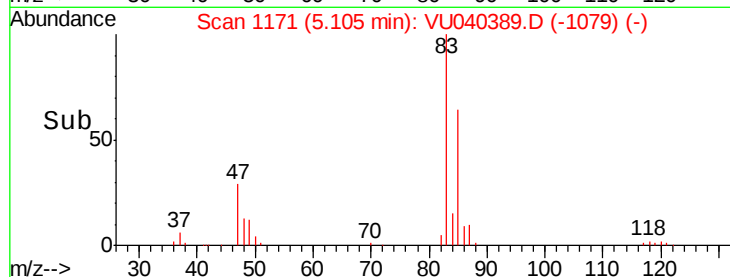
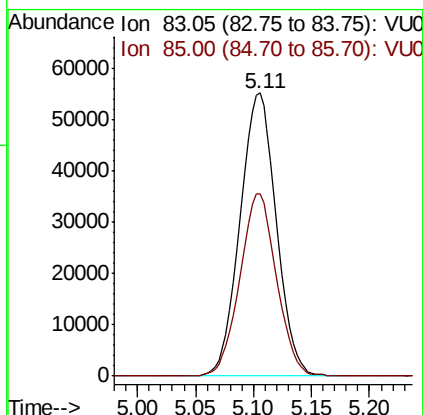
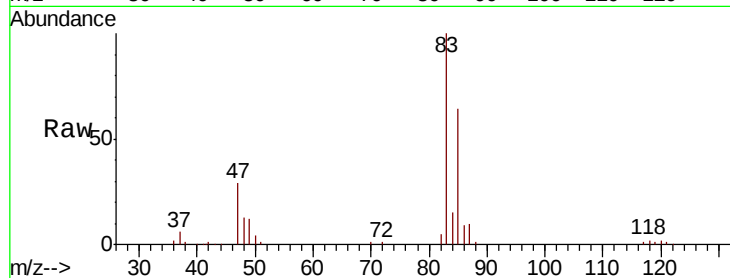




#25
Chloroform
Concen: 5.574 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

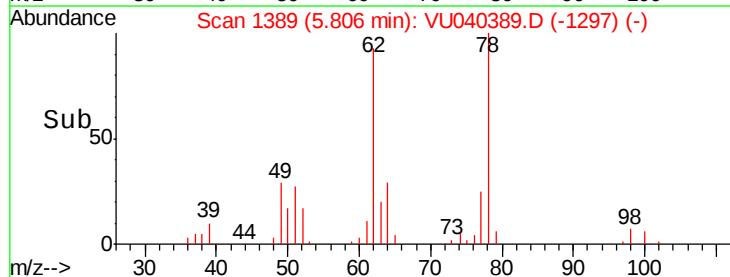
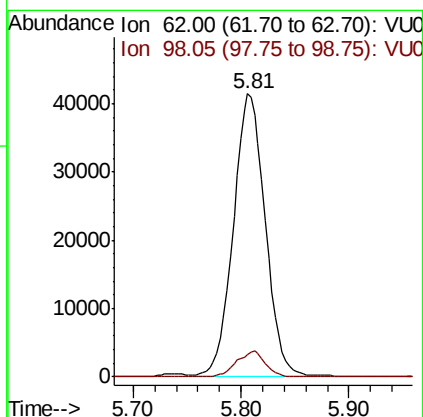
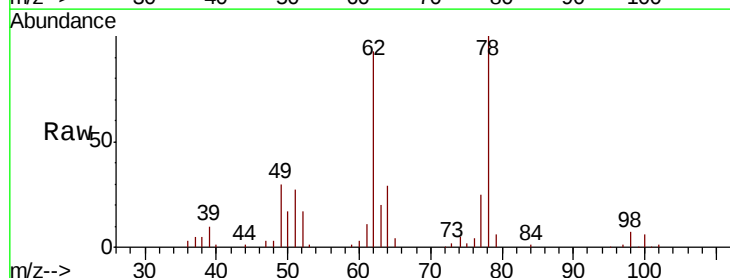
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

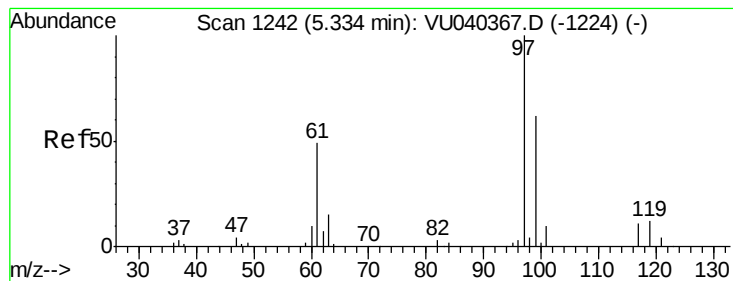
Tot Ion: 83 Resp: 120141
Ion Ratio Lower Upper
83 100
85 64.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.750 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Tgt Ion: 62 Resp: 85812
Ion Ratio Lower Upper
62 100
98 7.9 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 5.564 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

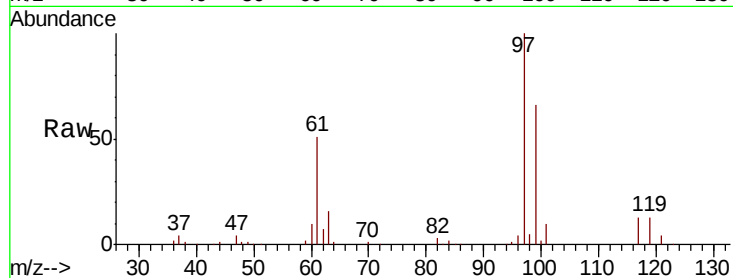
Tot Ion: 97 Resp: 98894

Ion Ratio Lower Upper

97 100

99 64.0 50.7 76.1

61 49.9 39.7 59.5

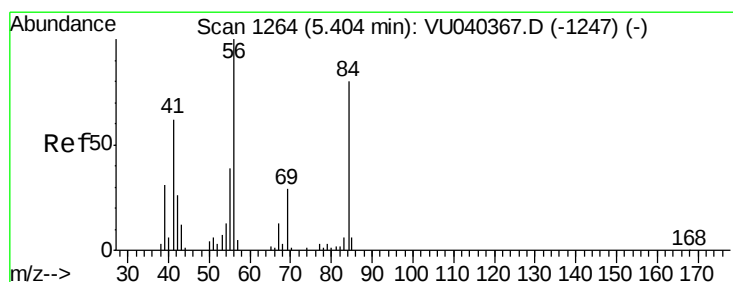
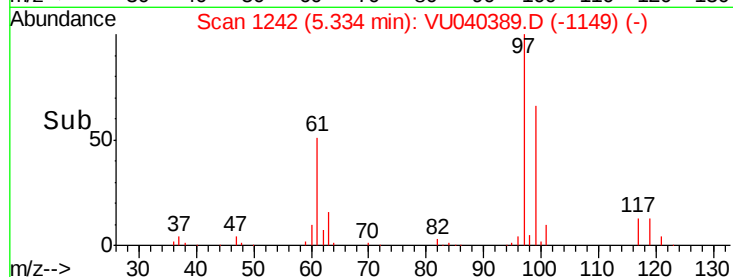
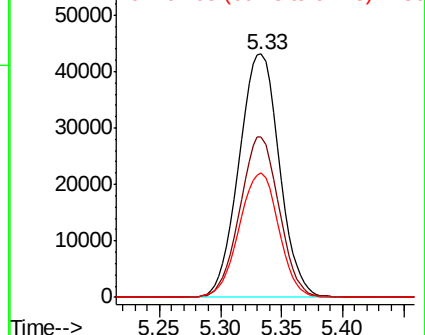


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 5.517 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

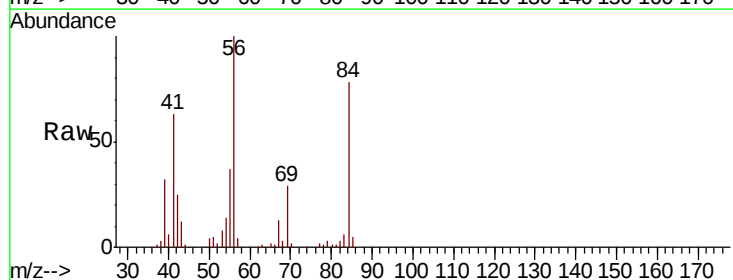
Tgt Ion: 56 Resp: 101457

Ion Ratio Lower Upper

56 100

69 28.5 23.3 34.9

84 77.2 64.2 96.4

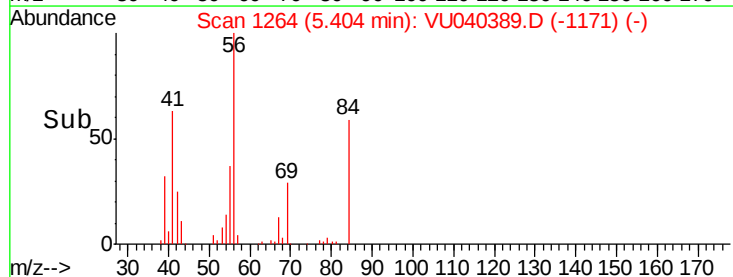
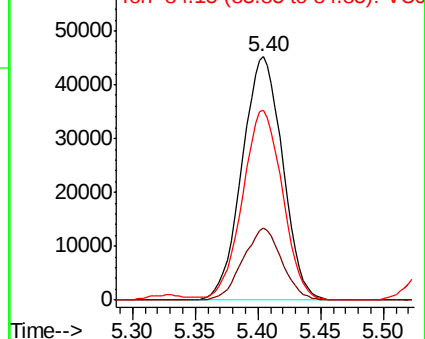


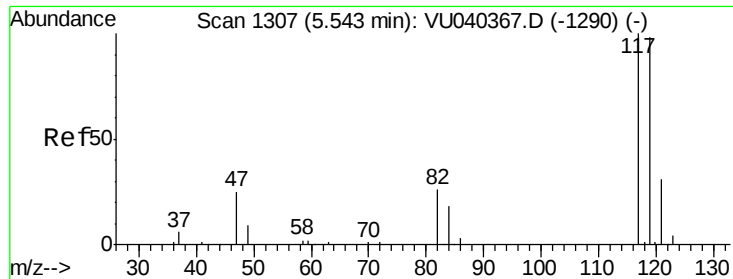
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0



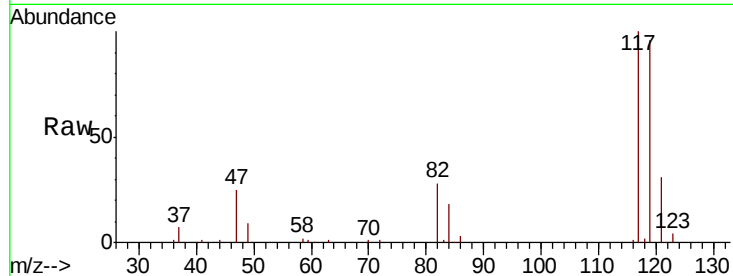


#31

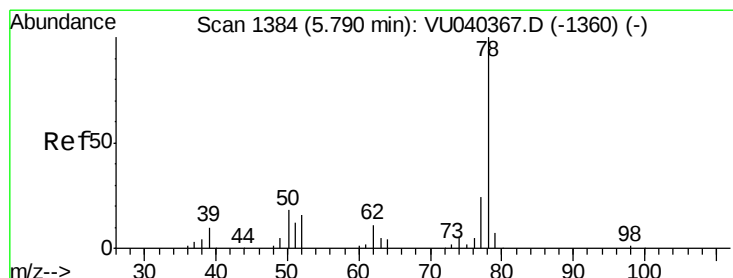
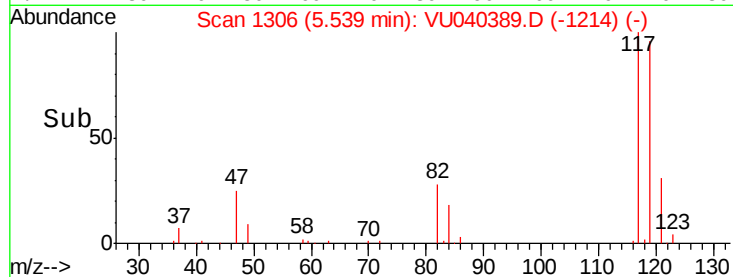
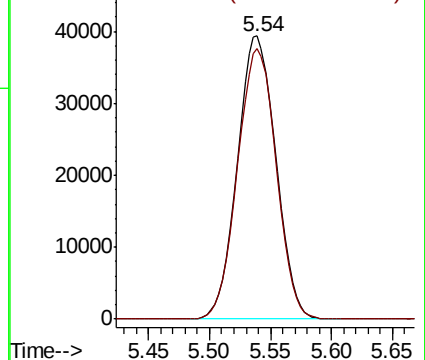
Carbon tetrachloride
Concen: 5.638 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:117 Resp: 85925
Ion Ratio Lower Upper
117 100
119 96.0 77.5 116.3



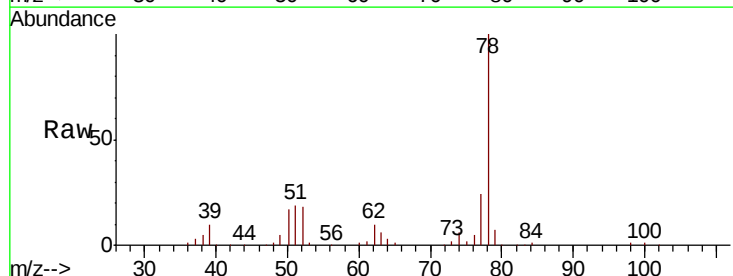
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



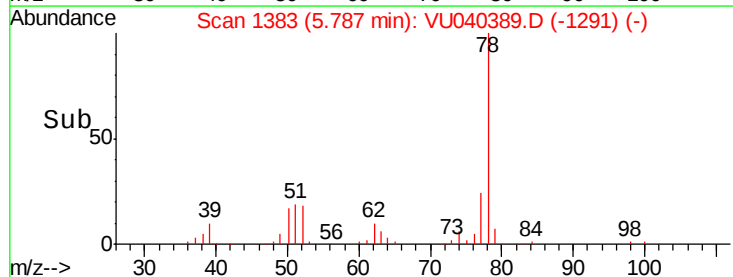
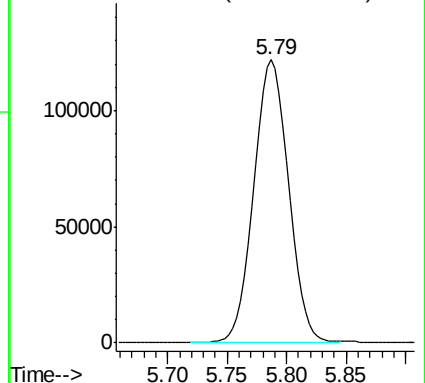
#33

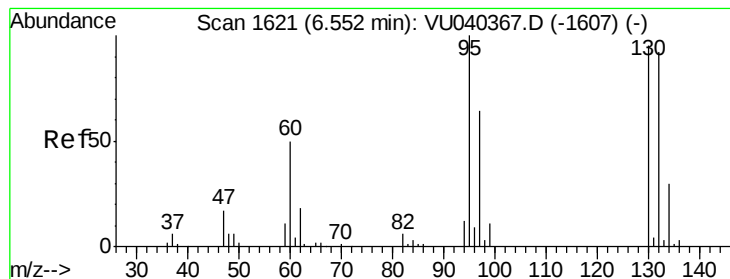
Benzene
Concen: 5.675 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Tgt Ion: 78 Resp: 247588



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.414 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tot Ion: 95 Resp: 62708

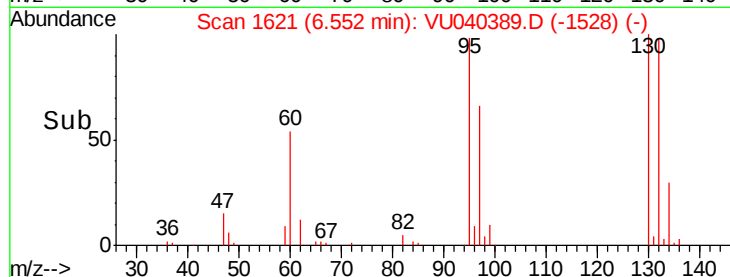
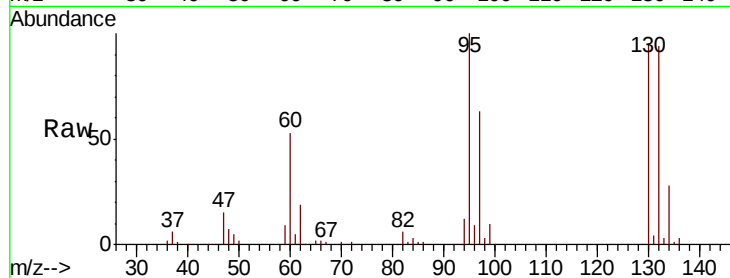
Ion Ratio Lower Upper

95 100

97 63.3 46.3 85.9

132 94.0 60.5 112.3

130 95.5 64.3 119.3

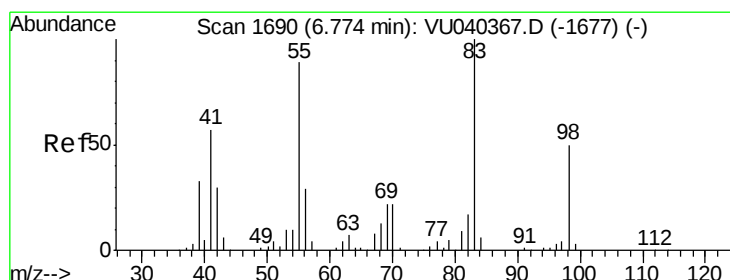
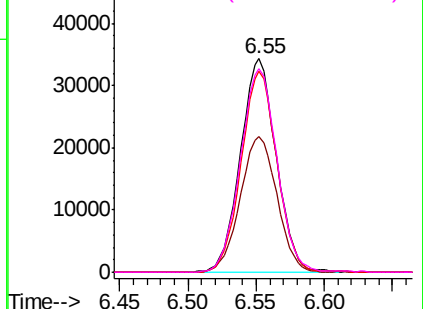


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.626 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

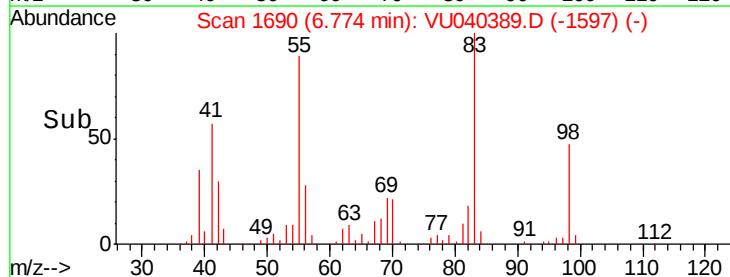
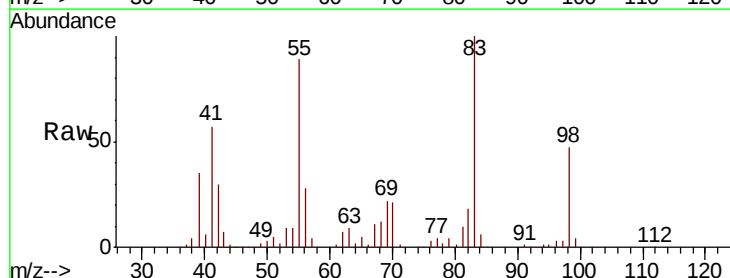
Tgt Ion: 83 Resp: 95568

Ion Ratio Lower Upper

83 100

55 88.3 71.4 107.2

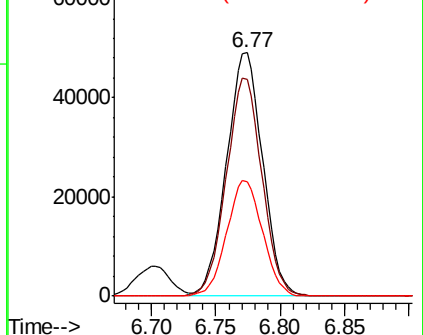
98 46.9 38.5 57.7

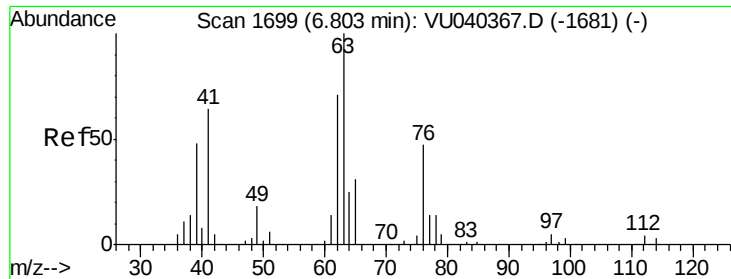


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

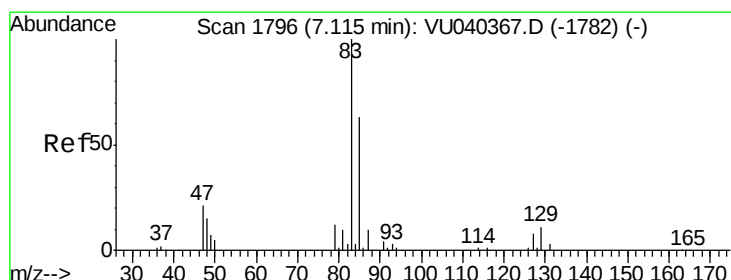
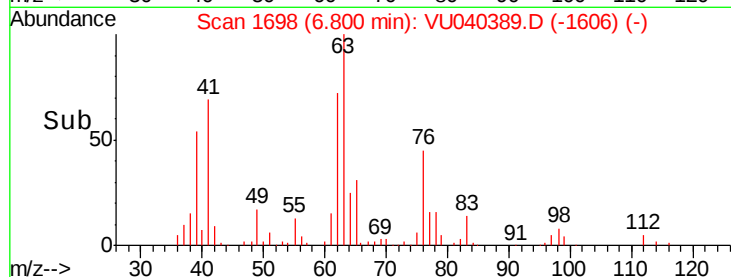
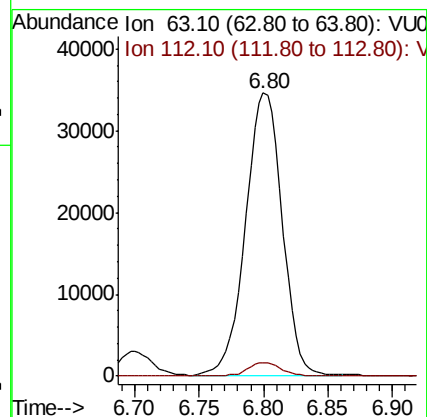
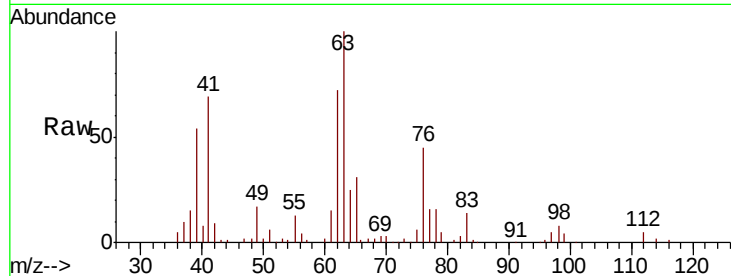




#37
 1,2-Dichloropropane
 Concen: 5.617 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

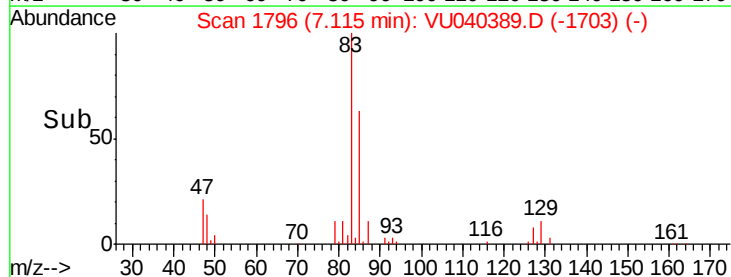
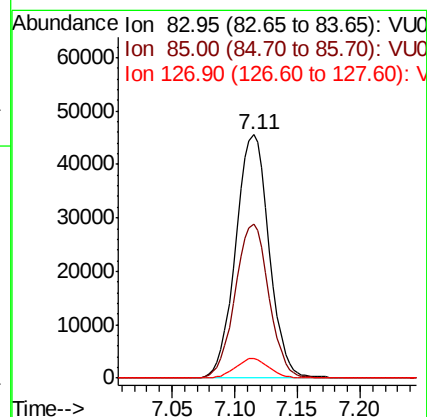
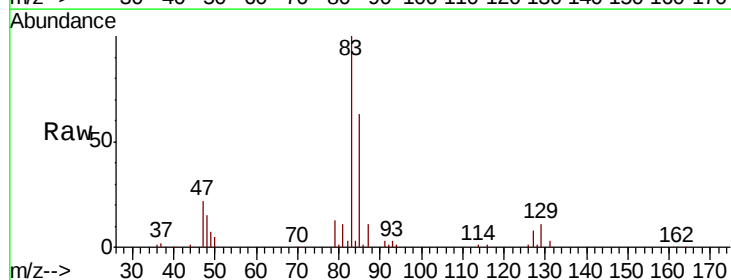
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

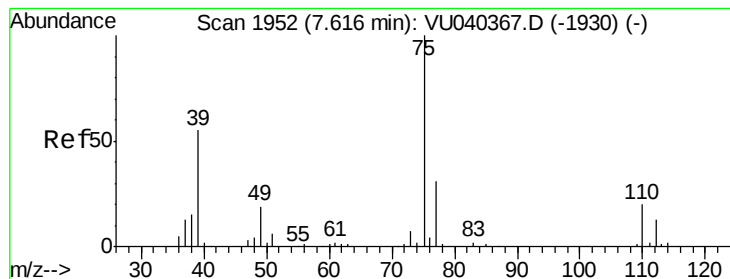
Tot Ion: 63 Resp: 68246
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.629 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion: 83 Resp: 84442
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.1 83.9
 127 8.0 6.6 9.8



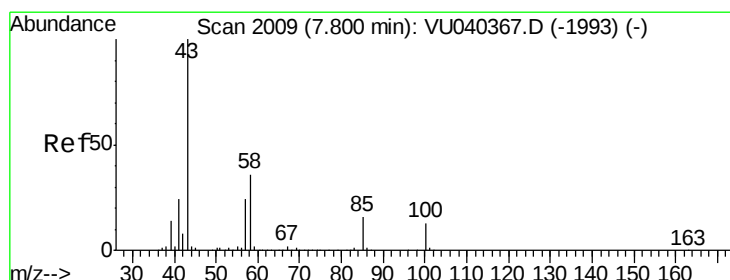
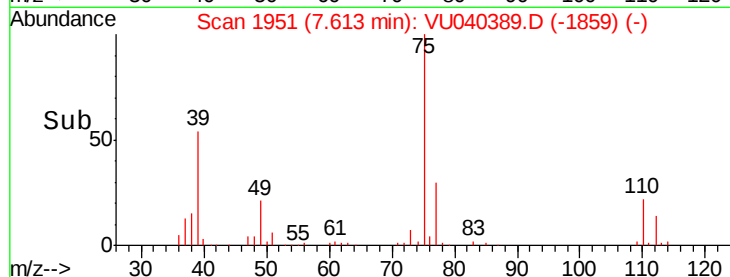
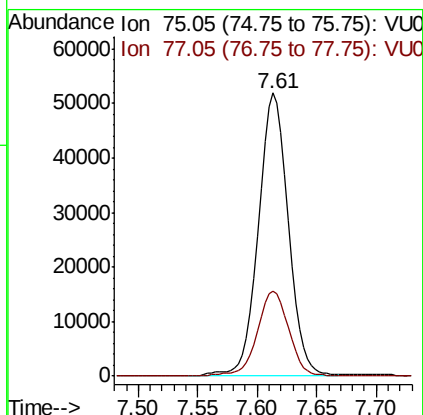
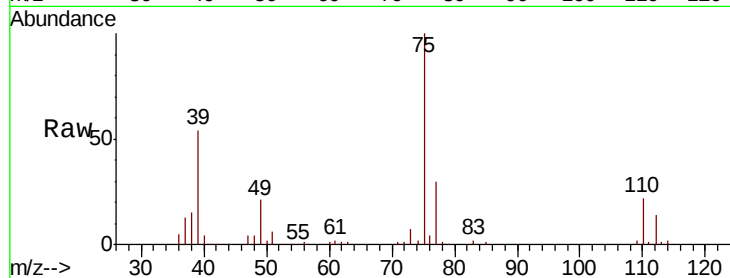


#39

cis-1,3-Dichloropropene
 Concen: 5.577 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

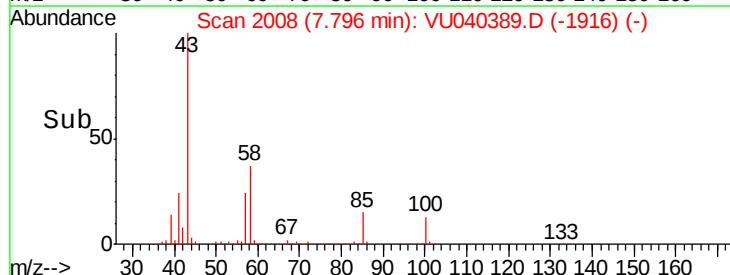
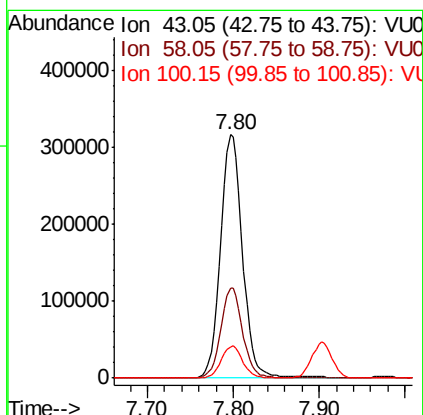
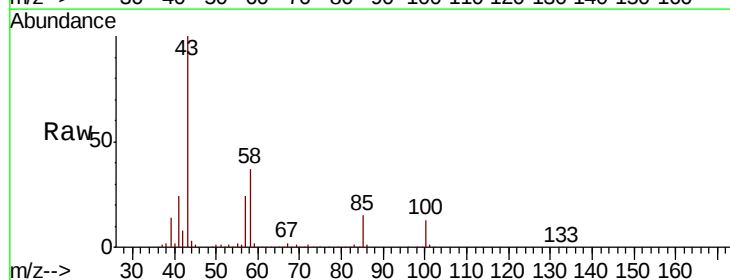
Tot Ion: 75 Resp: 90880
 Ion Ratio Lower Upper
 75 100
 77 30.1 23.5 43.7

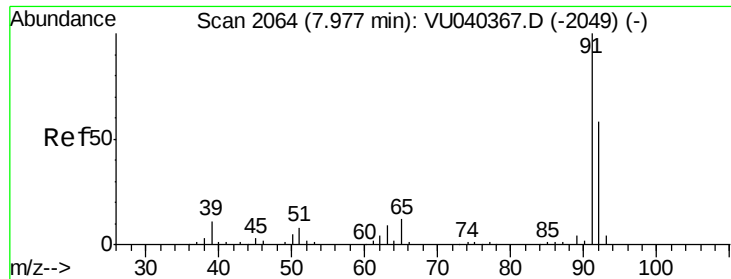


#40

4-Methyl-2-pentanone
 Concen: 59.197 ug/L
 RT: 7.80 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion: 43 Resp: 563216
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.2 43.8
 100 13.0 10.3 15.5





#42

Toluene

Concen: 5.736 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

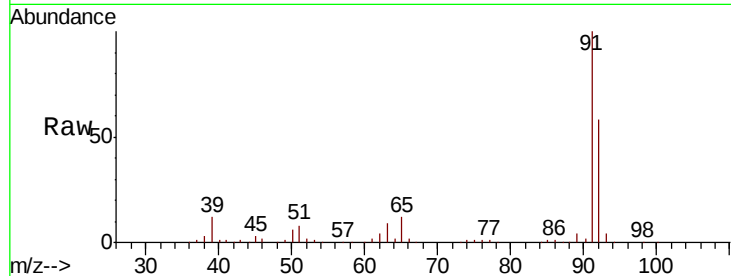
VSTD00526

Tot Ion: 91 Resp: 256589

Ion Ratio Lower Upper

91 100

92 58.2 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040367.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040367.D (-2049) (-)

7.97

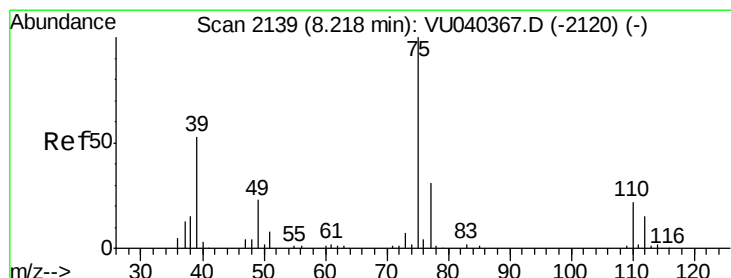
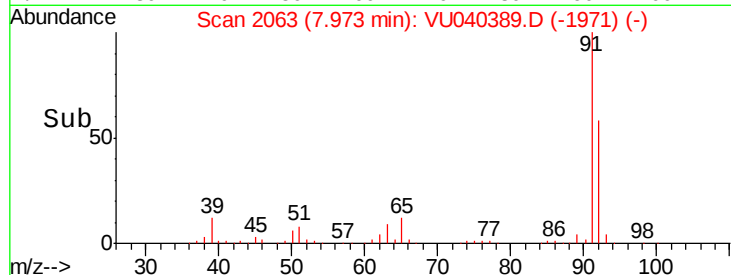
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.682 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040389.D

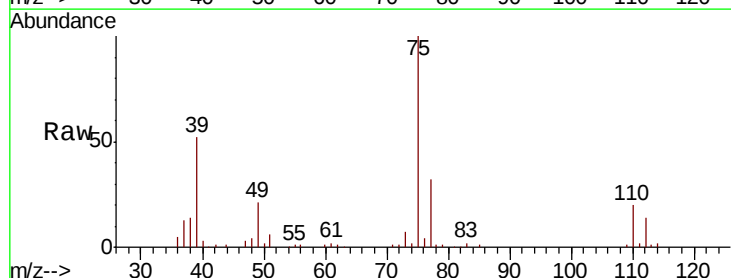
Acq: 30 Sep 2020 09:32

Tgt Ion: 75 Resp: 85367

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040367.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040367.D (-2120) (-)

8.21

60000

50000

40000

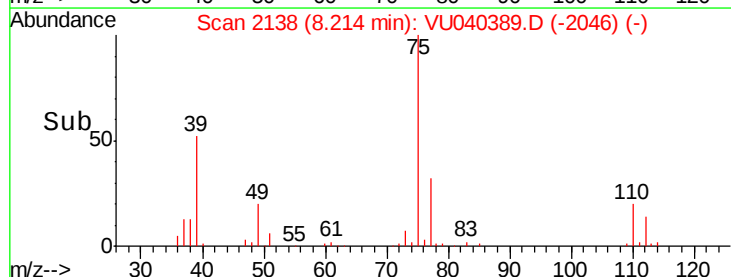
30000

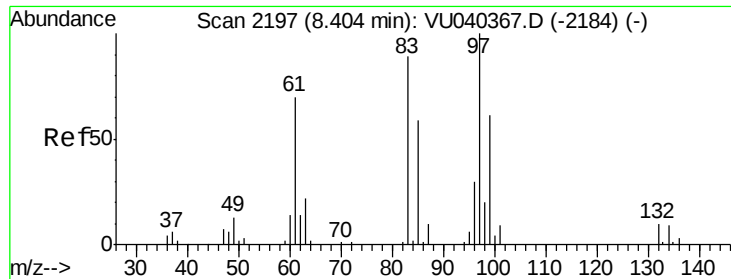
20000

10000

0

Time-->

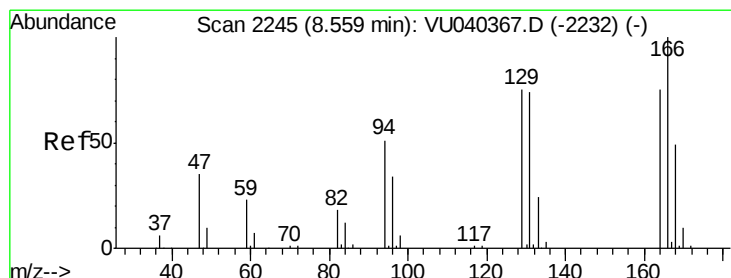
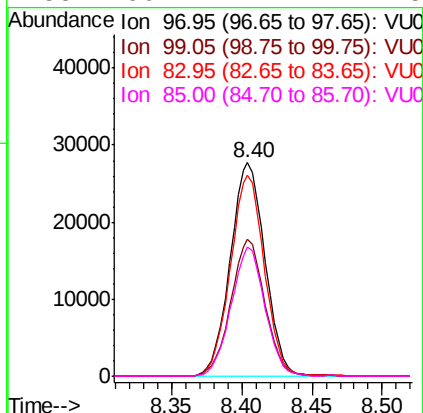
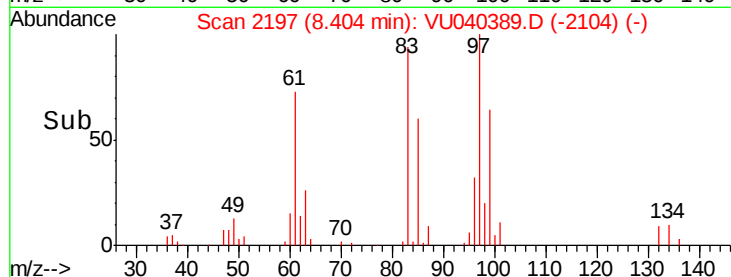
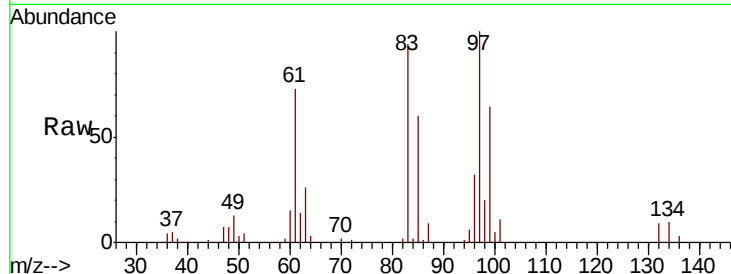




#45
 1,1,2-Trichloroethane
 Concen: 5.621 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

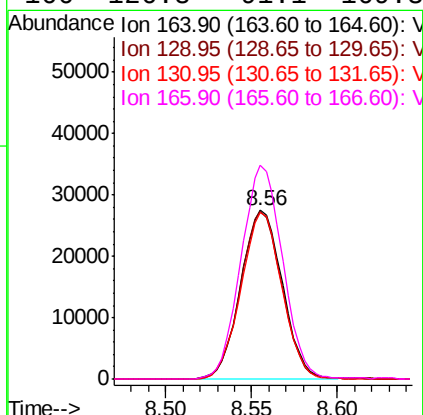
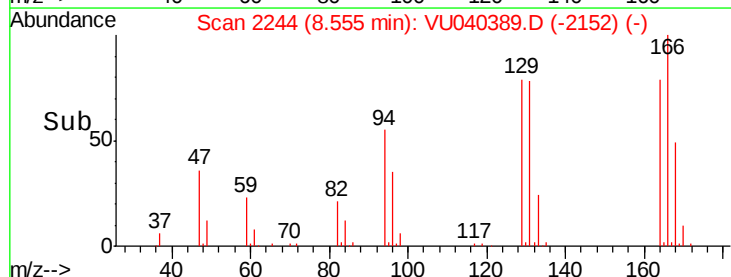
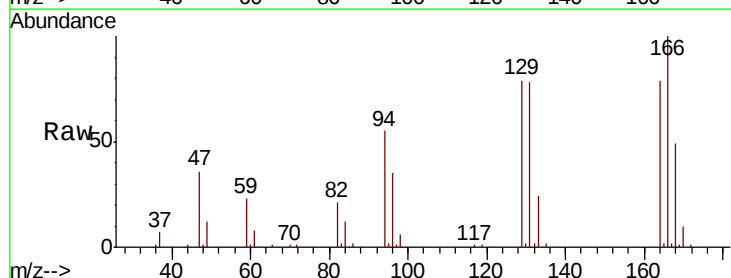
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

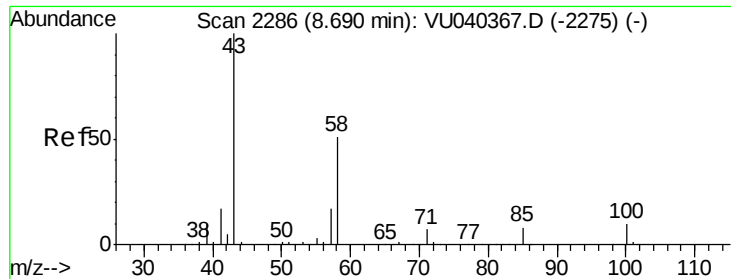
Tot Ion:	97	Resp:	47871
Ion	Ratio	Lower	Upper
97	100		
99	64.1	45.8	85.0
83	94.2	62.9	116.9
85	60.4	41.7	77.5



#47
 Tetrachloroethene
 Concen: 5.633 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion:	164	Resp:	46325
Ion	Ratio	Lower	Upper
164	100		
129	99.6	70.3	130.7
131	98.7	69.2	128.6
166	126.8	91.1	169.3

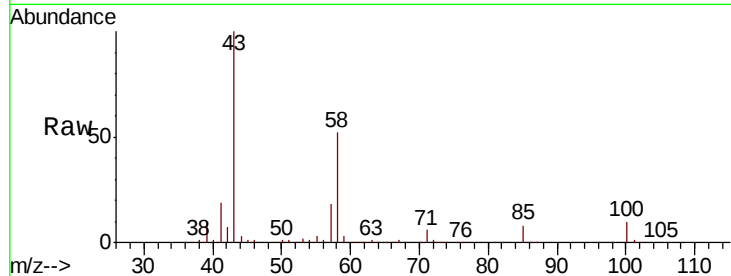




#48
2-Hexanone
Concen: 60.618 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:	43	Resp:	424984
Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.0	61.4
57	17.7	14.6	22.0
100	10.2	8.2	12.4



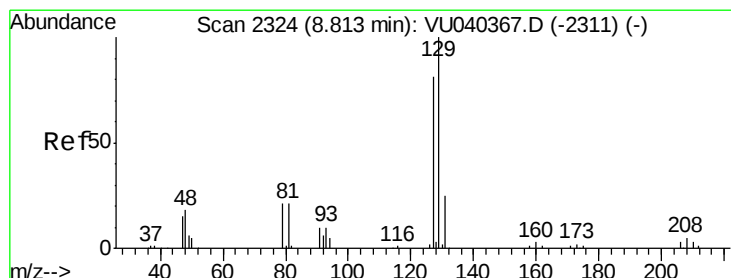
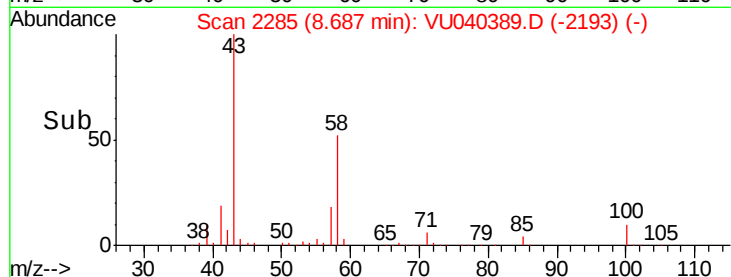
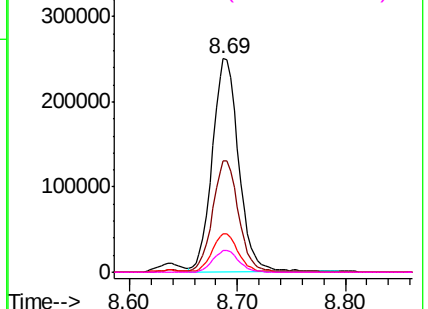
Abundance

Ion 43.05 (42.75 to 43.75): VU040367.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040367.D (-2275) (-)

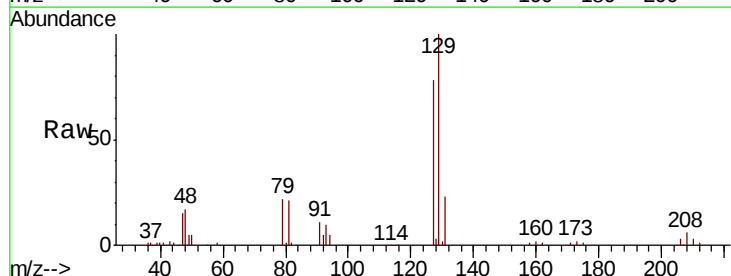
Ion 57.20 (56.90 to 57.90): VU040367.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040367.D (-2275) (-)



#49
Dibromochloromethane
Concen: 5.828 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

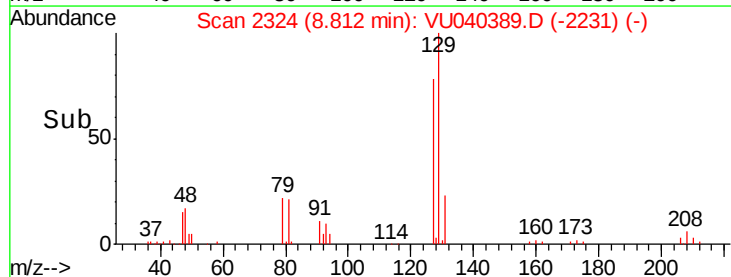
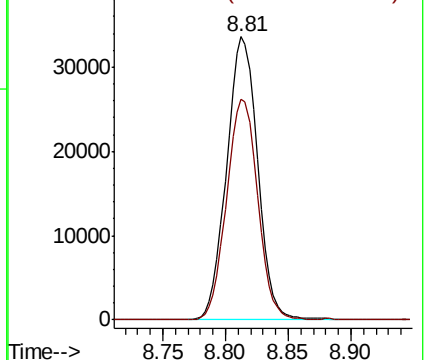
Tgt Ion:	129	Resp:	57736
Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.4	103.0

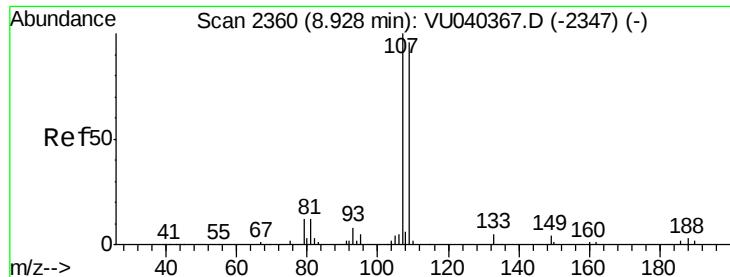


Abundance

Ion 128.95 (128.65 to 129.65): VU040367.D (-2311) (-)

Ion 126.90 (126.60 to 127.60): VU040367.D (-2311) (-)

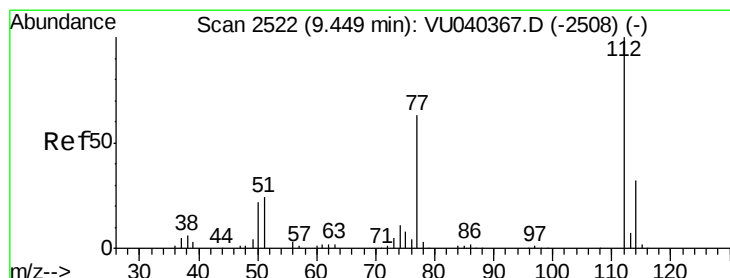
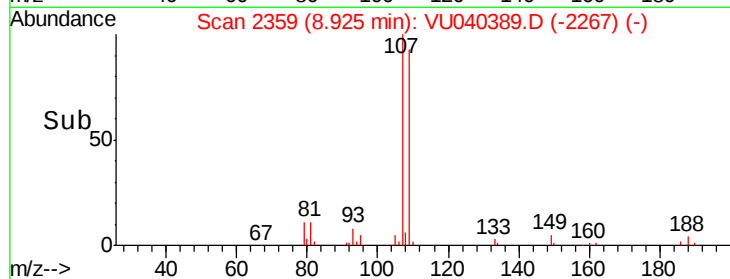
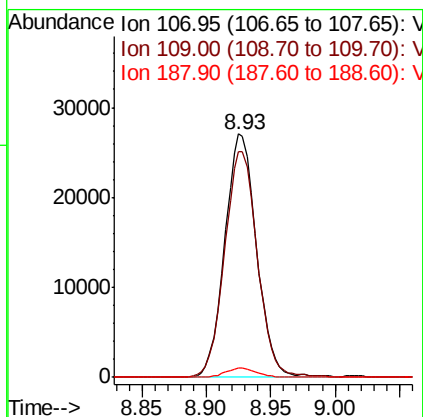
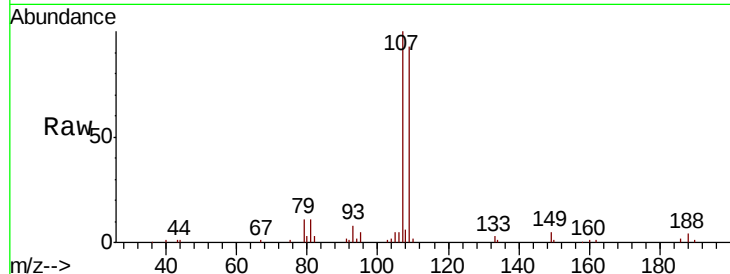




#50
 1,2-Dibromoethane
 Concen: 5.674 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

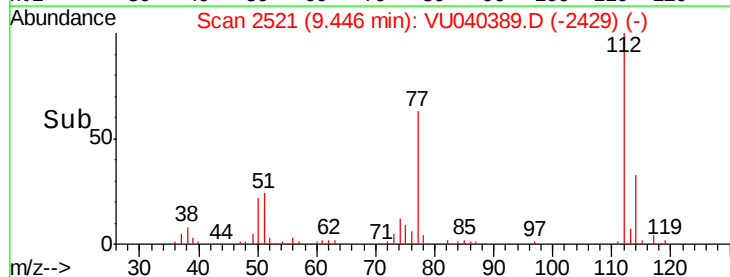
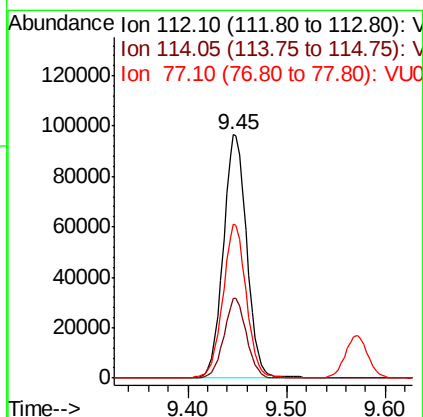
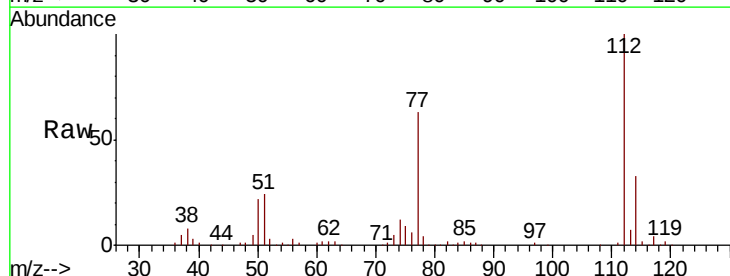
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

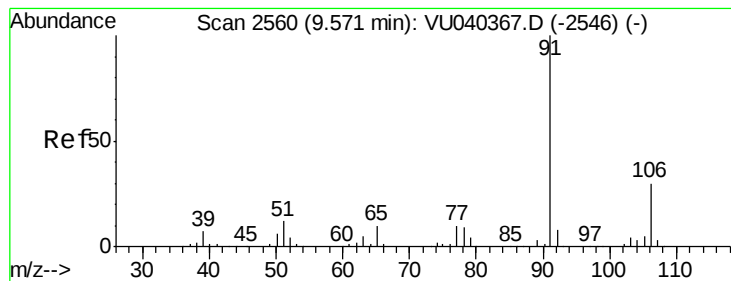
Tot Ion:107 Resp: 46354
 Ion Ratio Lower Upper
 107 100
 109 92.6 69.4 128.8
 188 3.7 3.3 4.9



#51
 Chlorobenzene
 Concen: 5.570 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion:112 Resp: 161110
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.0 40.8
 77 63.2 49.5 74.3





#52

Ethylbenzene

Concen: 5.630 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

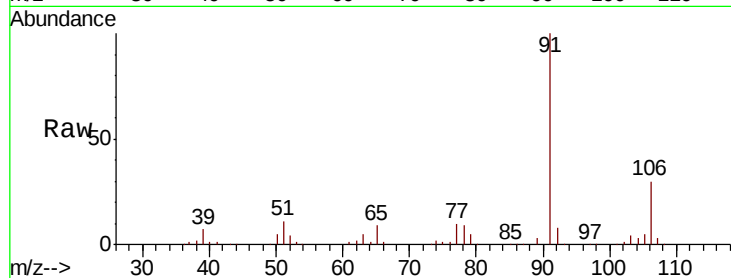
VSTD00526

Tot Ion: 91 Resp: 273290

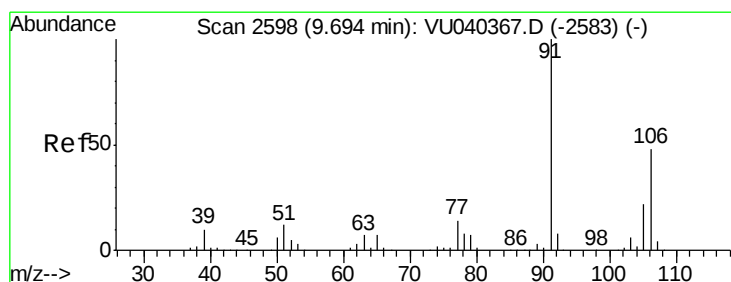
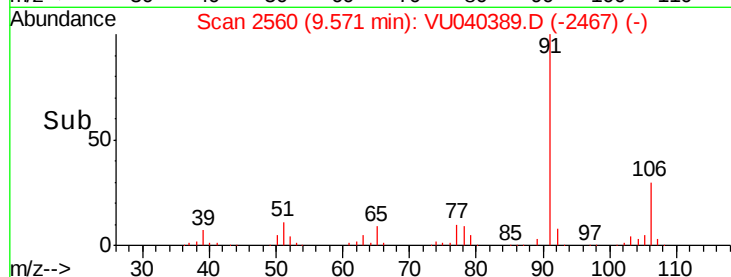
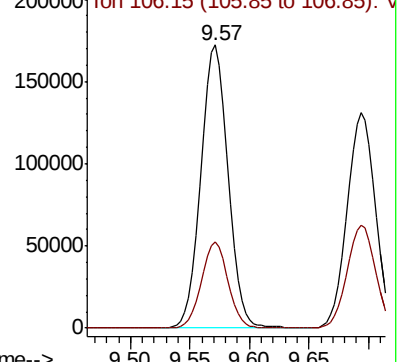
Ion Ratio Lower Upper

91 100

106 30.4 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040389.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.782 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040389.D

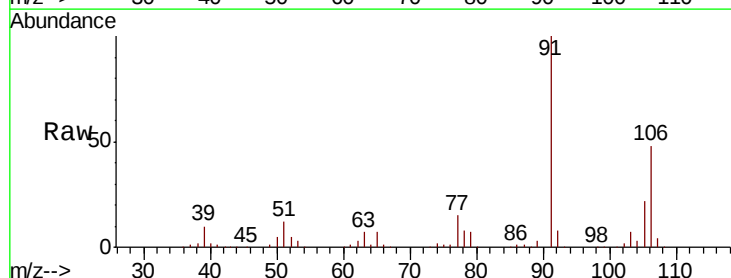
Acq: 30 Sep 2020 09:32

Tgt Ion: 106 Resp: 104569

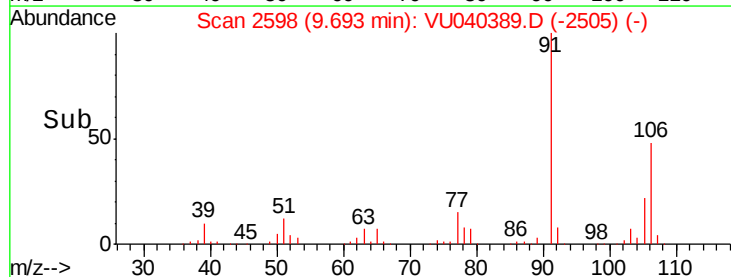
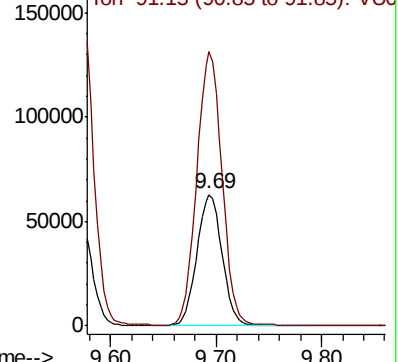
Ion Ratio Lower Upper

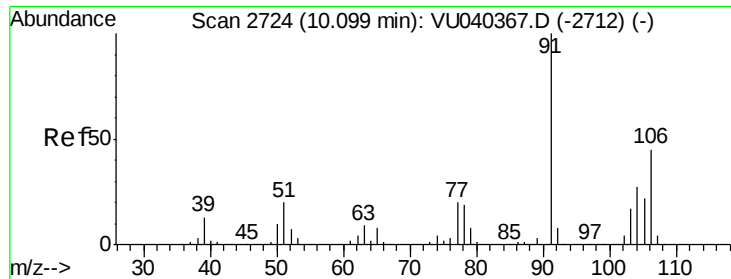
106 100

91 208.3 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040389.D (-2505) (-)

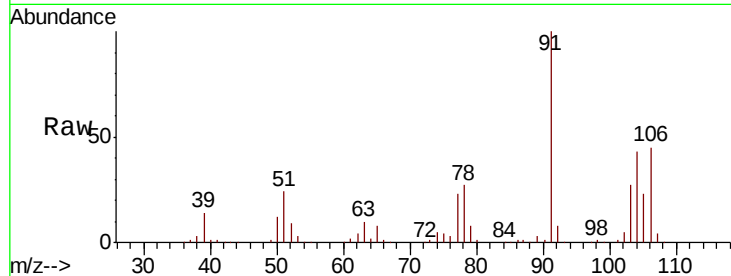




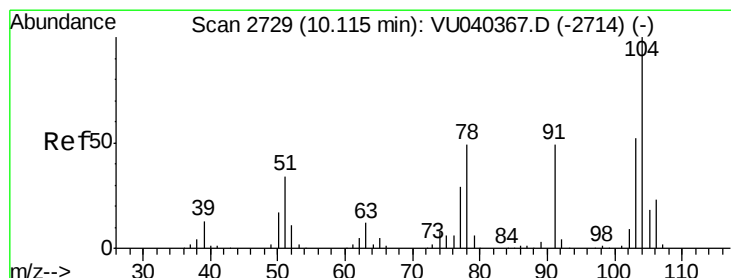
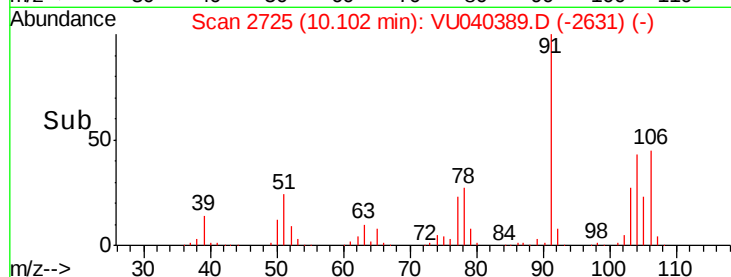
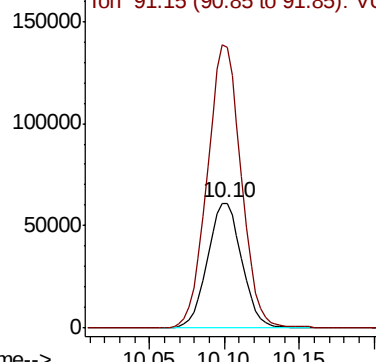
#54
o-Xylene
Concen: 5.764 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tot Ion:106 Resp: 98059
Ion Ratio Lower Upper
106 100
91 223.8 160.9 298.9

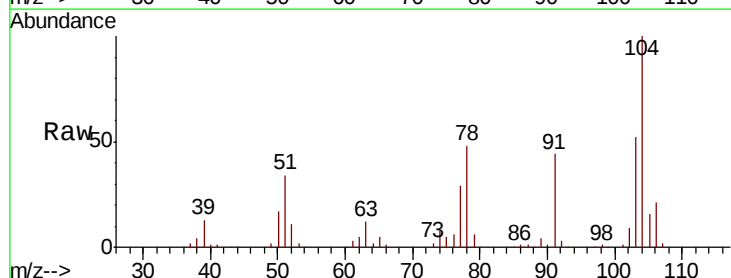


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

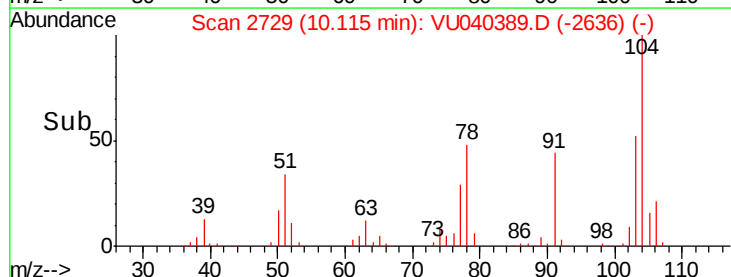
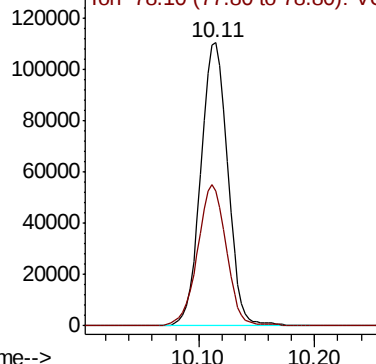


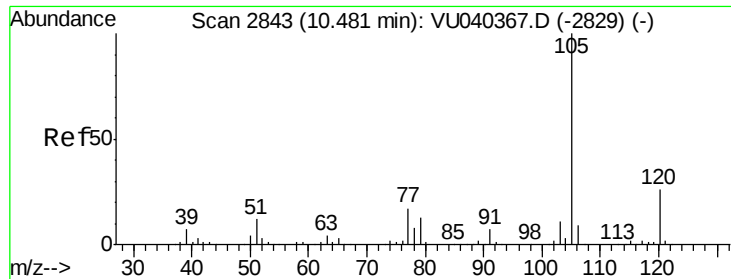
#55
Styrene
Concen: 5.974 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040389.D
Acq: 30 Sep 2020 09:32

Tgt Ion:104 Resp: 177292
Ion Ratio Lower Upper
104 100
78 47.8 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.831 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

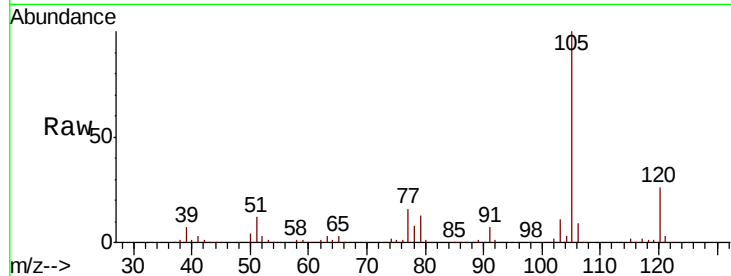
Tot Ion:105 Resp: 267698

Ion Ratio Lower Upper

105 100

120 25.8 20.6 30.8

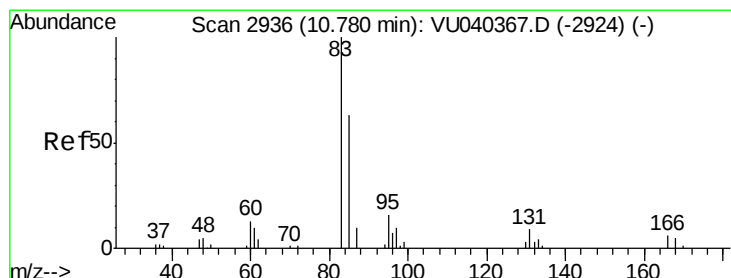
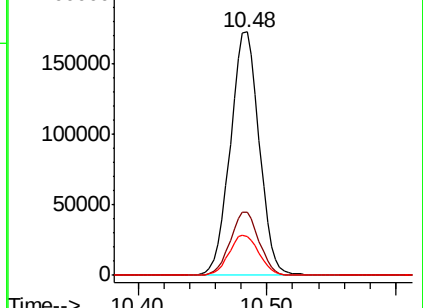
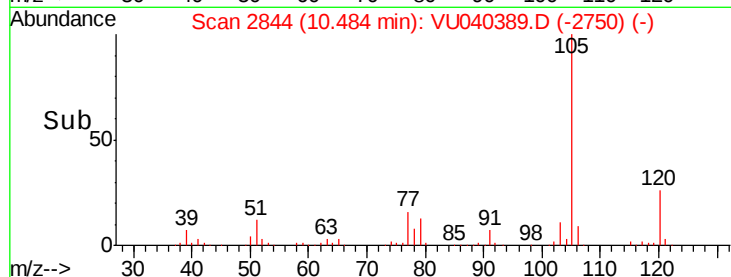
77 17.1 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.620 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

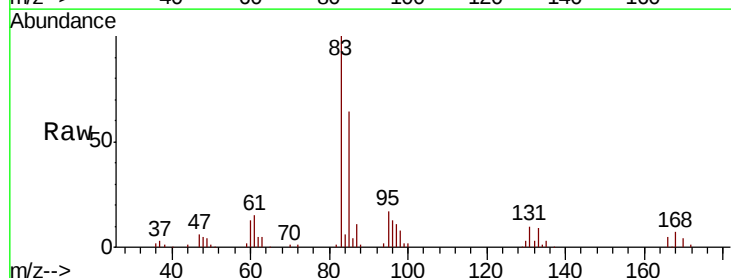
Tgt Ion: 83 Resp: 64871

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

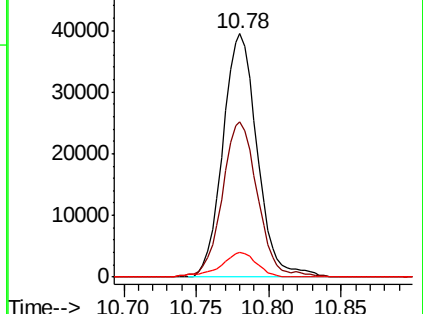
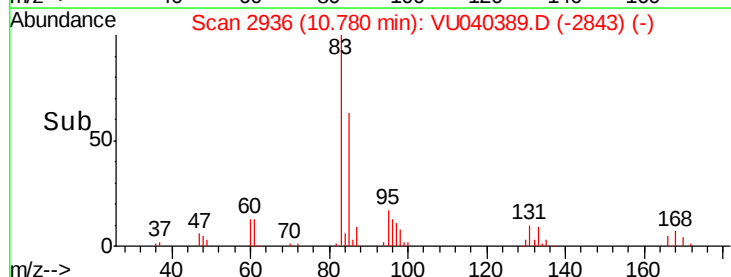
131 10.0 6.6 10.0#

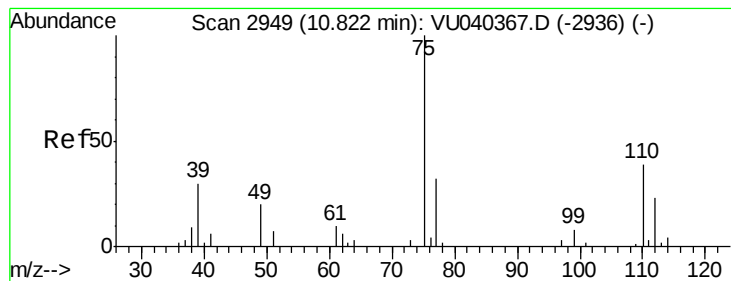


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

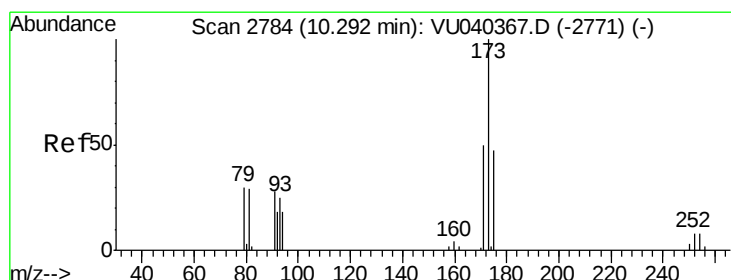
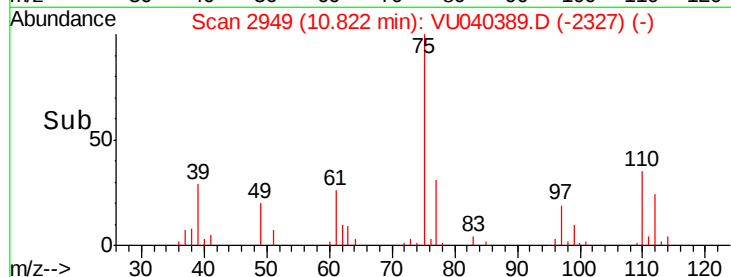
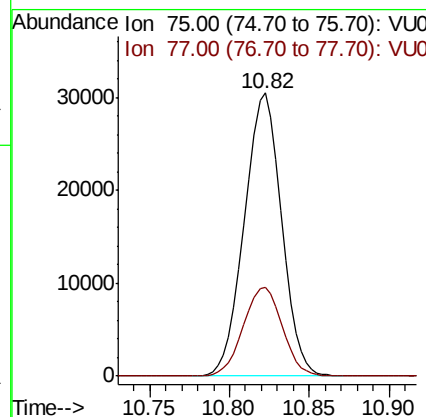
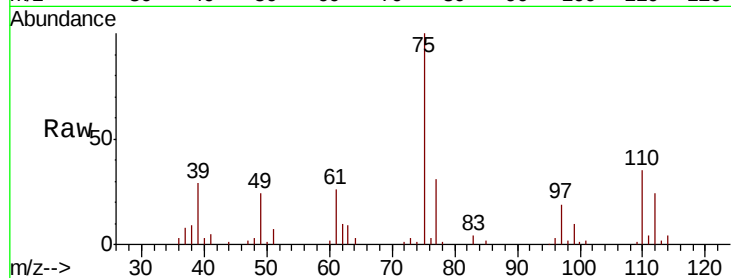




#59
 1,2,3-Trichloropropane
 Concen: 5.483 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

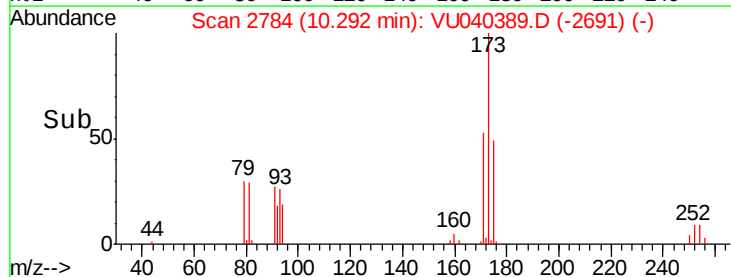
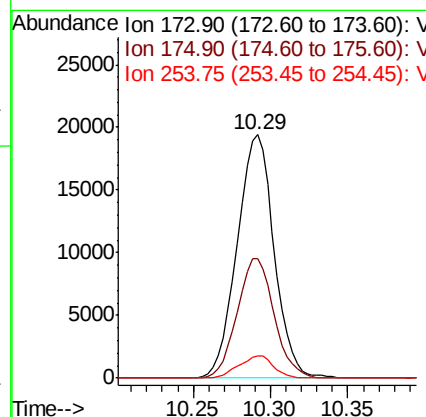
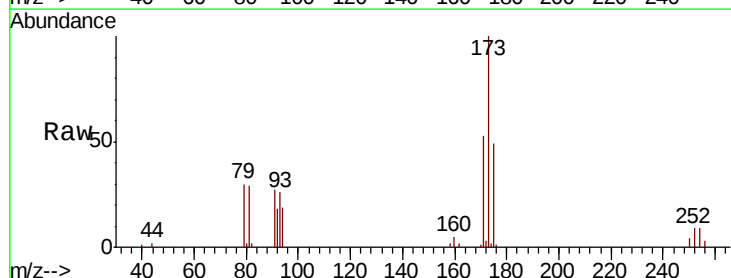
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

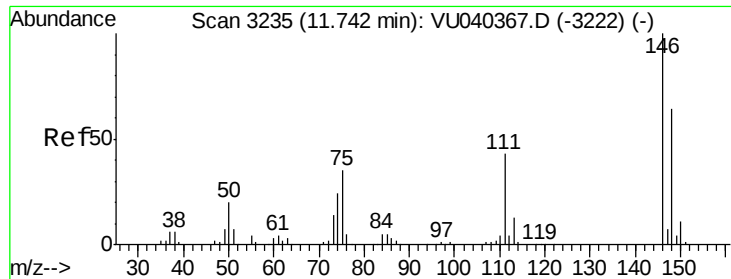
Tot Ion: 75 Resp: 48284
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 5.636 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion: 173 Resp: 32175
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.6 59.4
 254 8.6 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 5.757 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

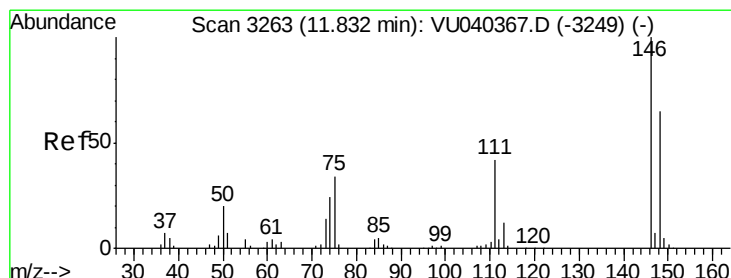
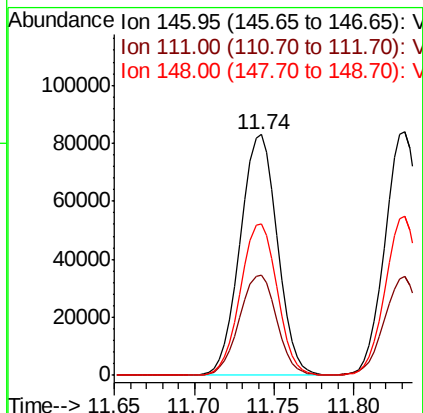
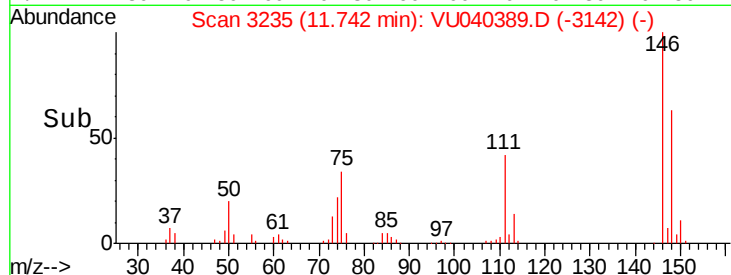
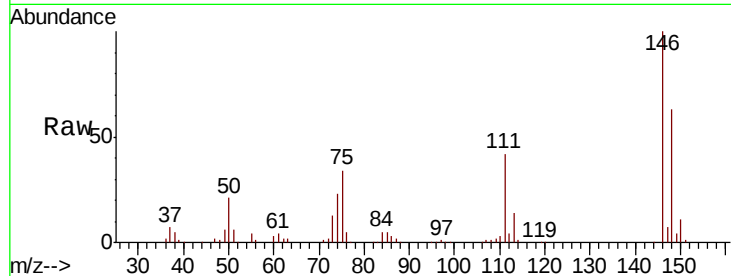
Tot Ion:146 Resp: 131665

Ion Ratio Lower Upper

146 100

111 41.6 28.6 53.0

148 63.1 43.4 80.6



#63

1,4-Dichlorobenzene

Concen: 5.601 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

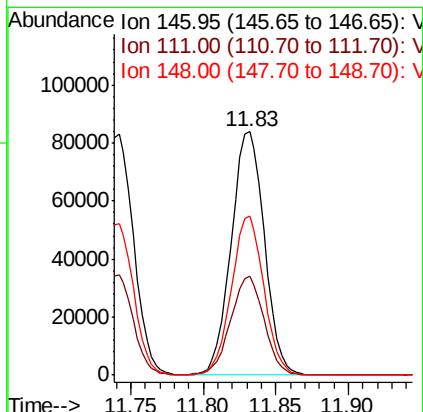
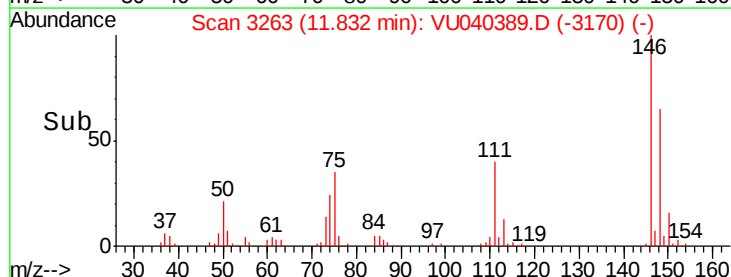
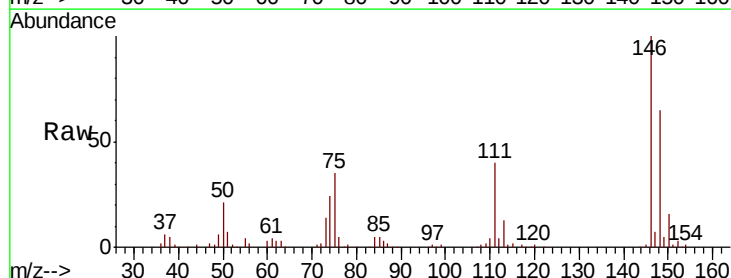
Tgt Ion:146 Resp: 133237

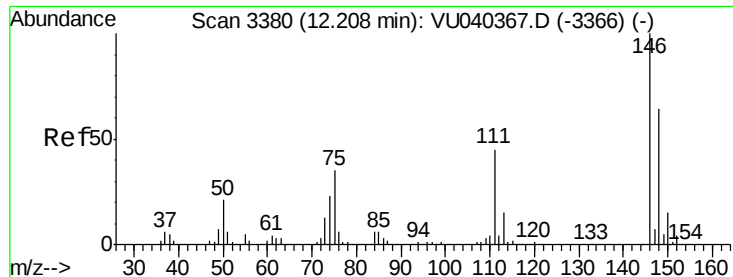
Ion Ratio Lower Upper

146 100

111 40.5 29.2 54.2

148 65.3 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 5.500 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

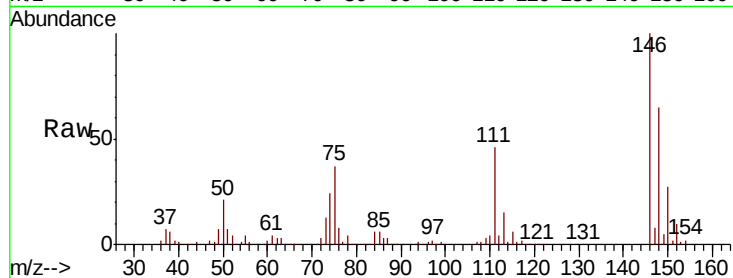
Tot Ion:146 Resp: 122271

Ion Ratio Lower Upper

146 100

111 45.7 35.6 53.4

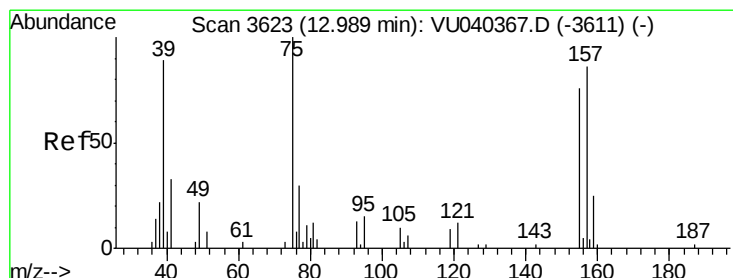
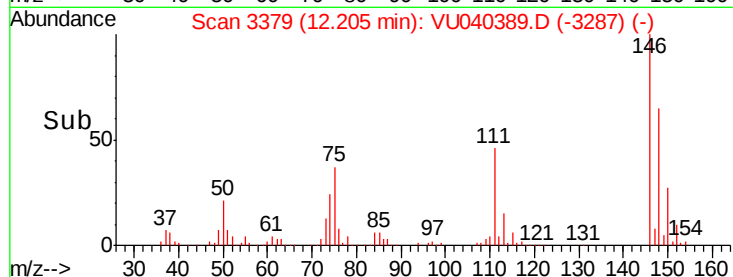
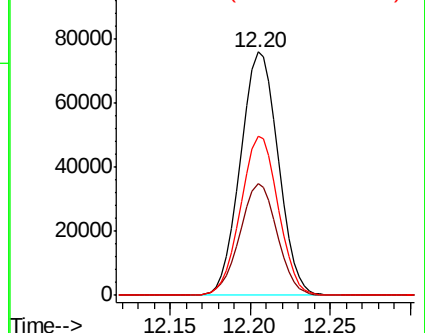
148 65.2 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.527 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

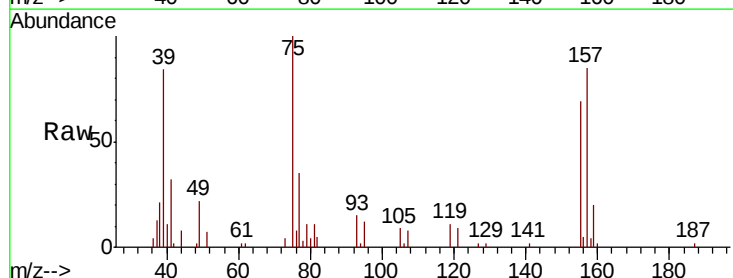
Tgt Ion: 75 Resp: 11076

Ion Ratio Lower Upper

75 100

155 69.2 59.4 89.2

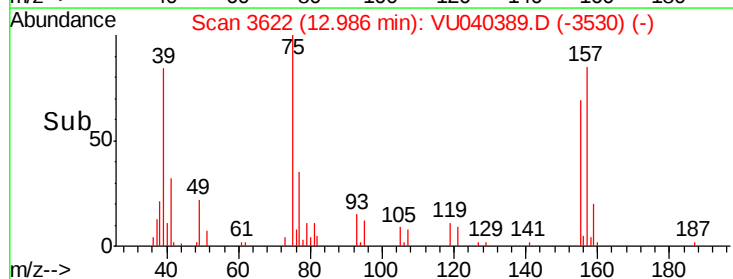
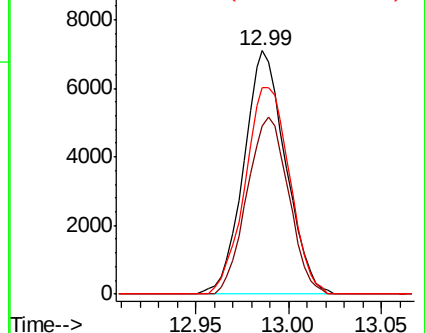
157 84.8 65.0 97.4

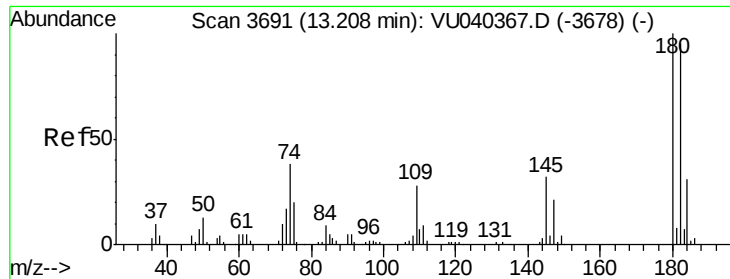


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

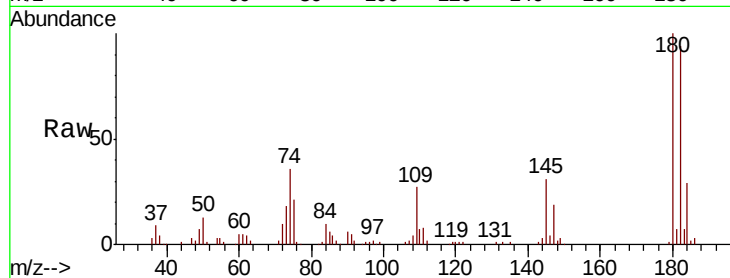




#67
 1,3,5-Trichlorobenzene
 Concen: 5.554 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
184	29.8	24.6	37.0
145	32.0	25.8	38.8



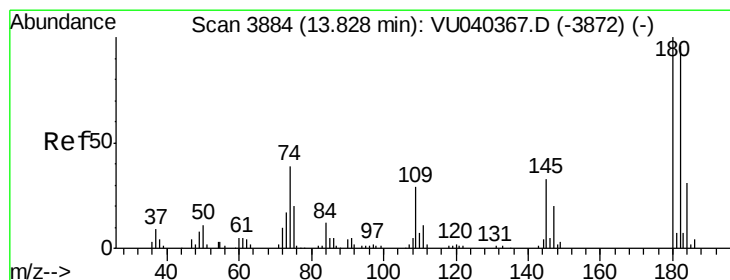
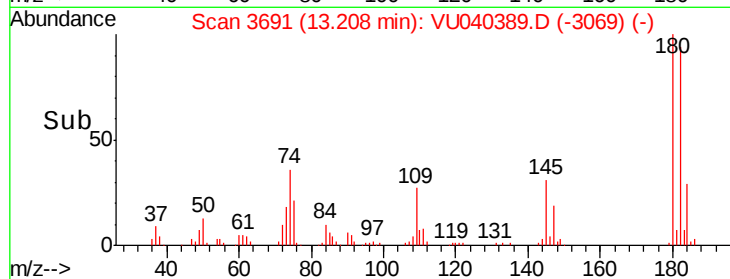
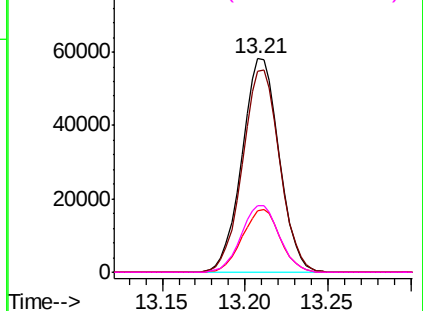
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

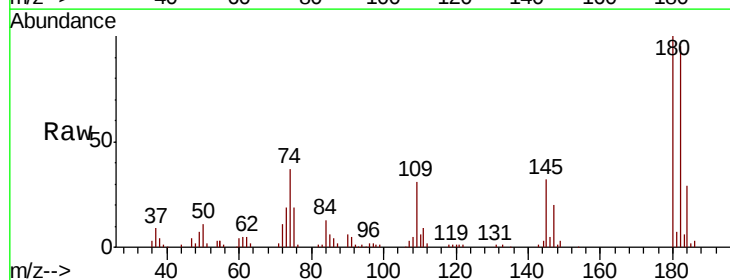
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.489 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040389.D
 Acq: 30 Sep 2020 09:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.6	115.0
145	31.7	26.3	39.5

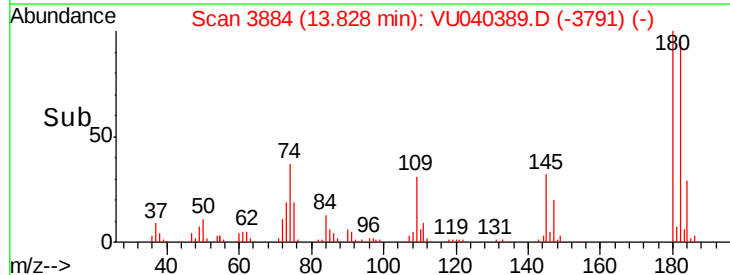
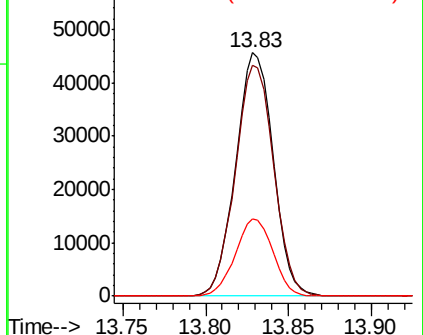


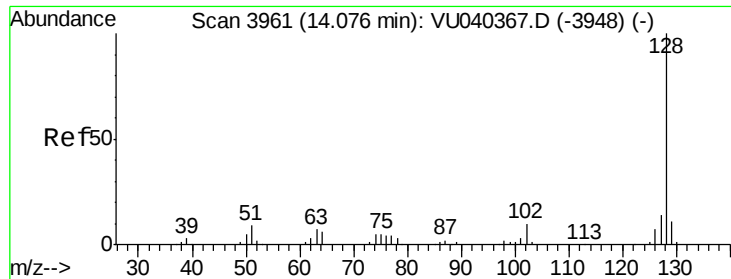
Abundance

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: 5.405 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

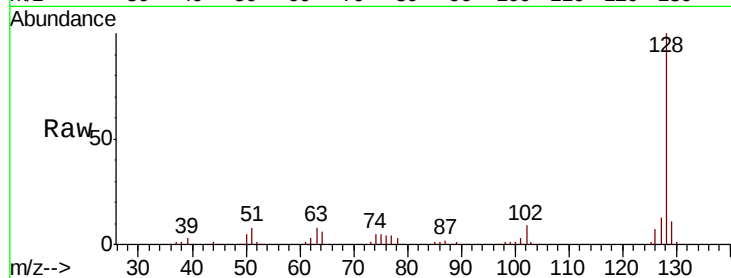
Tot Ion:128 Resp: 121181

Ion Ratio Lower Upper

128 100

129 10.7 8.2 12.4

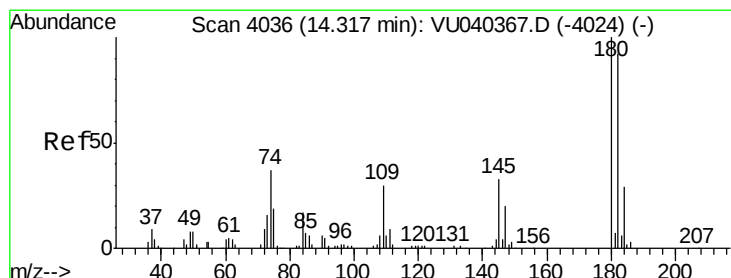
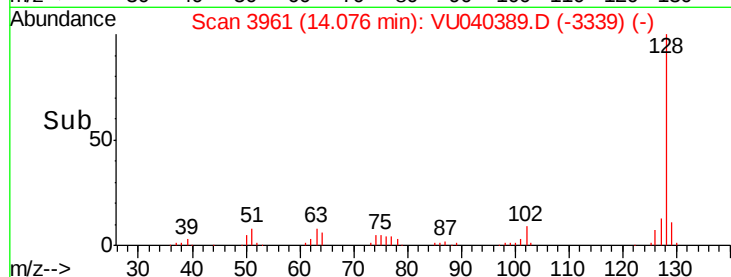
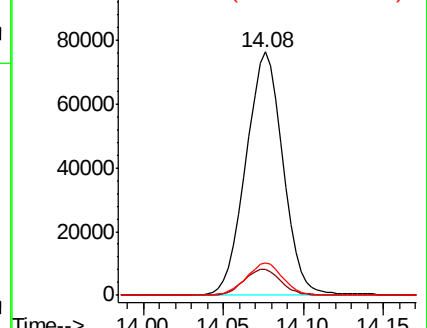
127 13.0 10.2 15.4



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: 5.685 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040389.D

Acq: 30 Sep 2020 09:32

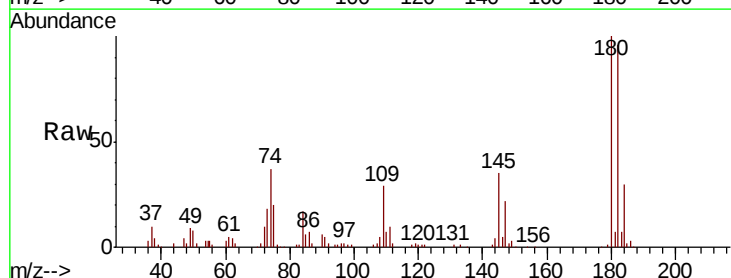
Tgt Ion:180 Resp: 68239

Ion Ratio Lower Upper

180 100

182 93.8 76.6 115.0

145 34.8 27.8 41.6



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

