

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040367.D
 Acq On : 29 Sep 2020 18:24
 Operator : SY/MD
 Sample : VSTDCCC05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: Sep 30 01:53:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 01:43:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	137280	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137837	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	74895	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33388	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.92	69	30169	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	81872	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	4.65	46	178022	52.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.46%
24) Chloroform-d	5.08	84	84082	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	50272	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.74	84	145564	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	52146	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	128726	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	8.19	79	20308	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	132752	54.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.12%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51890	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	57053	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	70469	5.119	ug/L	98
3) Chloromethane	1.53	50	65616	4.860	ug/L	98
5) Vinyl chloride	1.61	62	67037	5.052	ug/L	100
6) Bromomethane	1.86	94	31702	4.913	ug/L	97
8) Chloroethane	1.94	64	38200	4.857	ug/L	99
9) Trichlorofluoromethane	2.15	101	91576	5.003	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	57140	4.889	ug/L	98
12) 1,1-Dichloroethene	2.59	96	52163	4.990	ug/L	97
13) Acetone	2.65	43	135787	48.268	ug/L	98
14) Carbon disulfide	2.81	76	165717	5.015	ug/L	99
15) Methyl Acetate	2.97	43	33096	4.885	ug/L	100
16) Methylene chloride	3.06	84	65831	5.013	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	144256	5.008	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	55240	5.110	ug/L	96
19) 1,1-Dichloroethane	3.89	63	114650	5.167	ug/L	99
21) 2-Butanone	4.73	43	228251	50.549	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	60656	5.072	ug/L	95

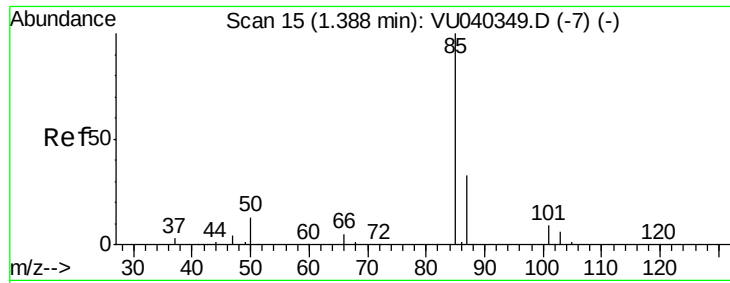
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	28378	5.183	ug/L	98
25) Chloroform	5.11	83	115592	5.107	ug/L	98
27) 1,2-Dichloroethane	5.81	62	82115	5.240	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	96560	5.128	ug/L	99
30) Cyclohexane	5.40	56	98492	5.056	ug/L	99
31) Carbon tetrachloride	5.54	117	82064	5.083	ug/L	99
33) Benzene	5.79	78	241243	5.220	ug/L	100
34) Trichloroethene	6.55	95	61591	5.020	ug/L	96
35) Methylcyclohexane	6.77	83	89768	4.989	ug/L	99
37) 1,2-Dichloropropane	6.80	63	64666	5.024	ug/L	100
38) Bromodichloromethane	7.11	83	83370	5.246	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	88092	5.104	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	535426	53.127	ug/L	99
42) Toluene	7.98	91	250424	5.285	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	82802	5.203	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	47072	5.218	ug/L	98
47) Tetrachloroethene	8.56	164	42907	4.926	ug/L	98
48) 2-Hexanone	8.69	43	394681	53.145	ug/L	99
49) Dibromochloromethane	8.81	129	54355	5.179	ug/L	98
50) 1,2-Dibromoethane	8.93	107	45096	5.211	ug/L	97
51) Chlorobenzene	9.45	112	156582	5.111	ug/L	98
52) Ethylbenzene	9.57	91	269718	5.245	ug/L	99
53) m,p-Xylene	9.69	106	102647	5.358	ug/L	99
54) o-Xylene	10.10	106	97560	5.413	ug/L	96
55) Styrene	10.11	104	172365	5.483	ug/L	100
56) Isopropylbenzene	10.48	105	262244	5.392	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	62764	5.133	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	47281	5.068	ug/L	98
61) Bromoform	10.29	173	31317	5.060	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	125649	5.067	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	129093	5.005	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	120490	4.998	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10451	4.810	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	85198	4.813	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	69181	4.864	ug/L	99
69) Naphthalene	14.08	128	120034	4.938	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	67858	5.214	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.119 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

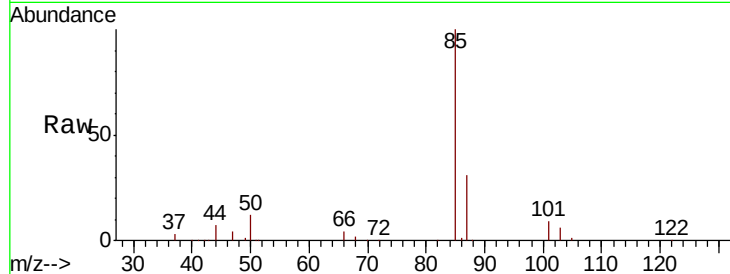
VSTD00524

Tot Ion: 85 Resp: 70469

Ion Ratio Lower Upper

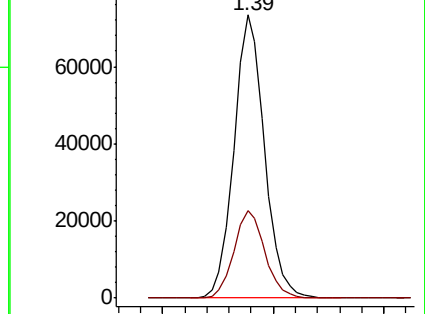
85 100

87 31.4 25.8 38.8

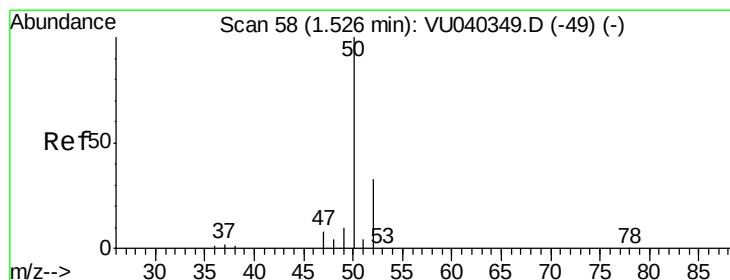
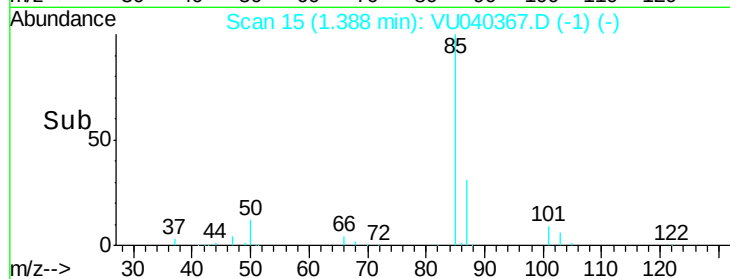


Abundance Ion 85.00 (84.70 to 85.70): VU040367.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040367.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.860 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040367.D

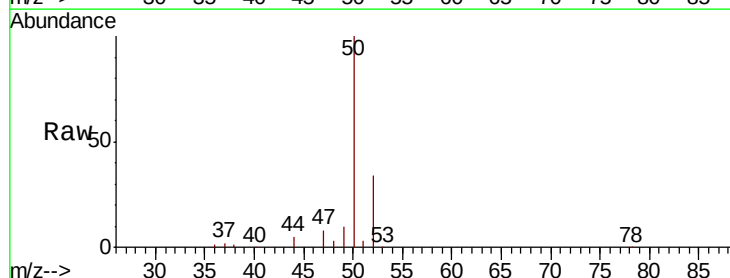
Acq: 29 Sep 2020 18:24

Tgt Ion: 50 Resp: 65616

Ion Ratio Lower Upper

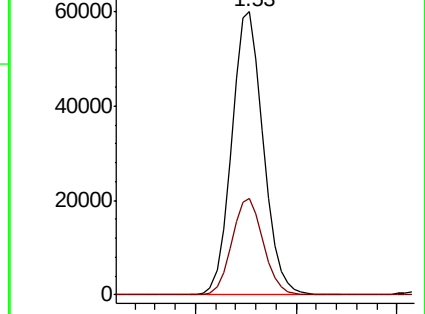
50 100

52 34.0 23.0 42.6

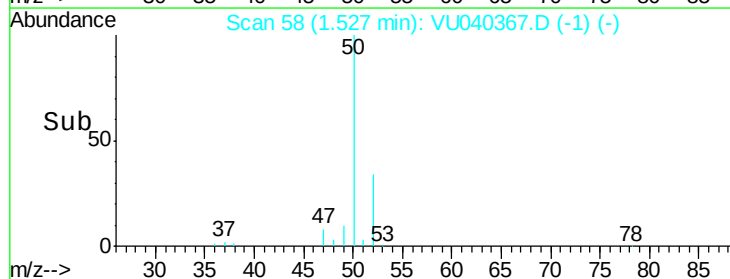


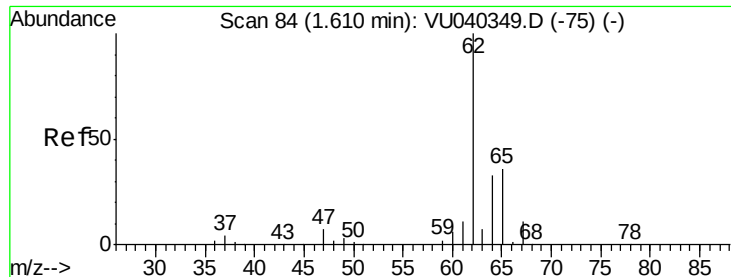
Abundance Ion 50.05 (49.75 to 50.75): VU040367.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040367.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 5.052 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

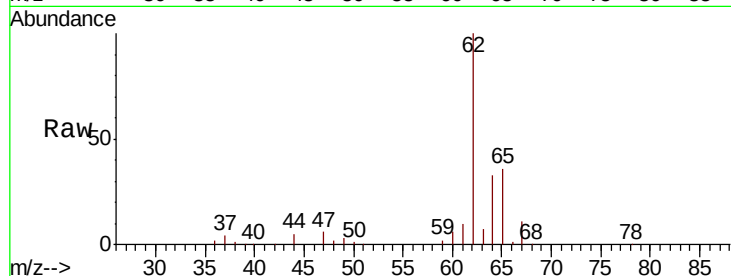
VSTD00524

Tot Ion: 62 Resp: 67037

Ion Ratio Lower Upper

62 100

64 33.2 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU040349.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040349.D (-75) (-)

1.61

60000

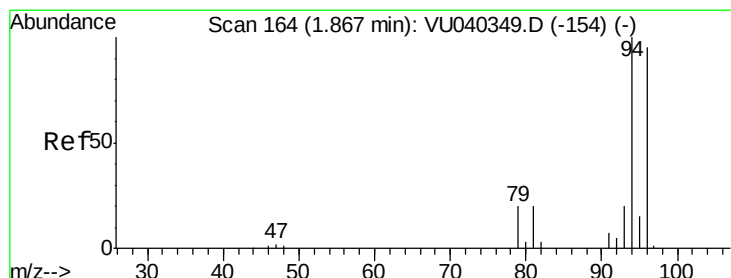
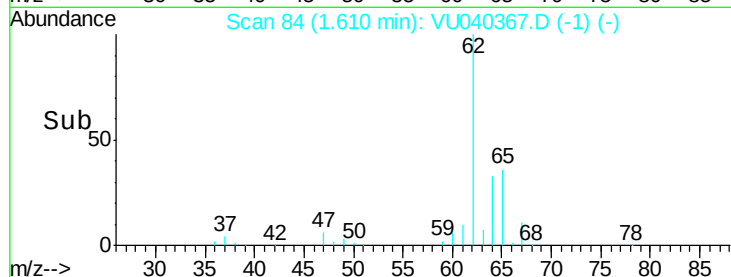
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 4.913 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040367.D

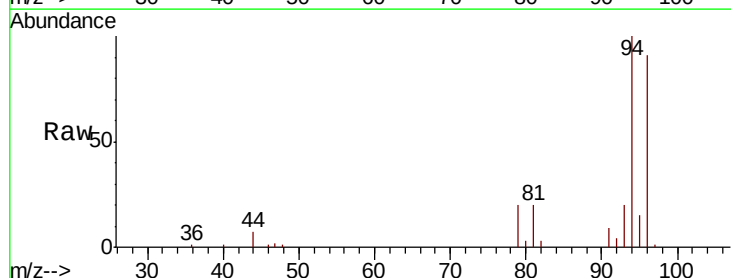
Acq: 29 Sep 2020 18:24

Tgt Ion: 94 Resp: 31702

Ion Ratio Lower Upper

94 100

96 91.4 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU040349.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040349.D (-154) (-)

1.86

30000

25000

20000

15000

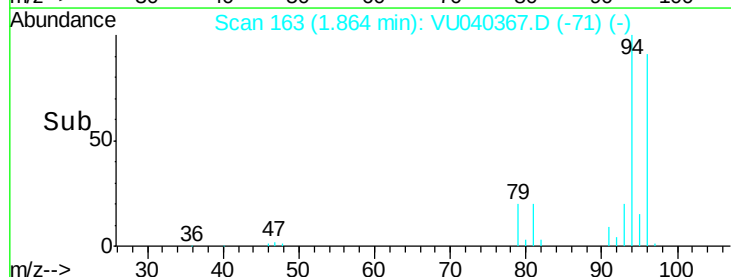
10000

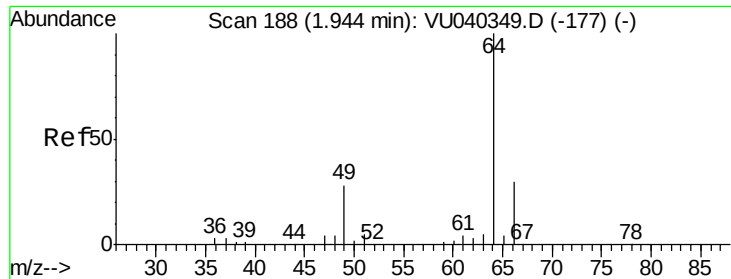
5000

0

1.80 1.85 1.90

Time-->

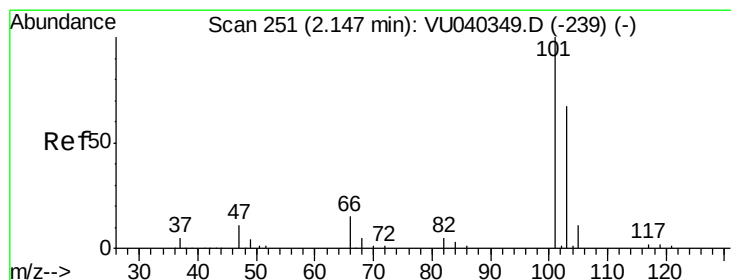
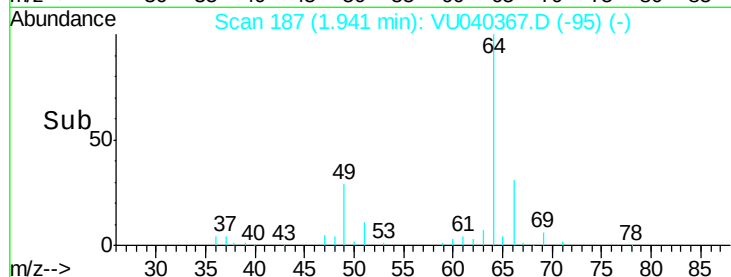
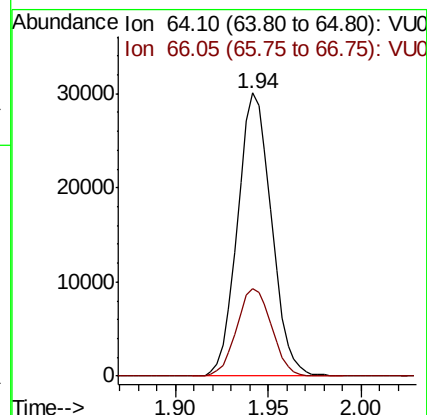
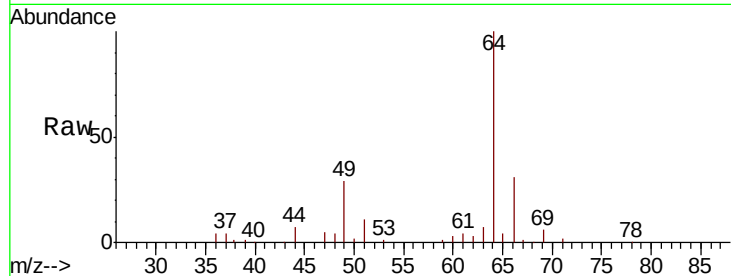




#8
Chloroethane
Concen: 4.857 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

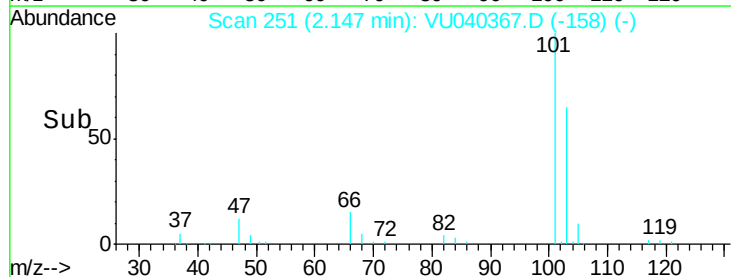
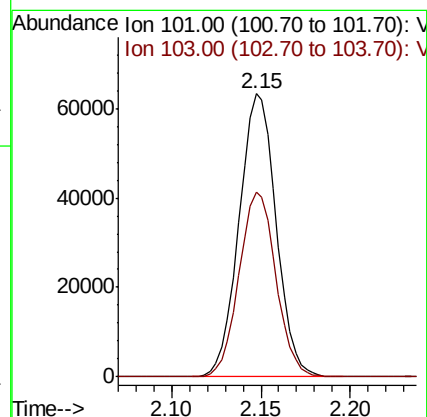
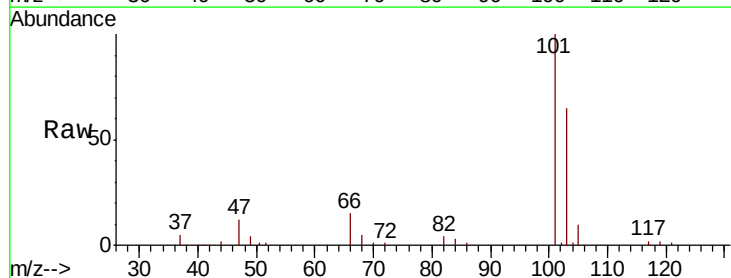
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

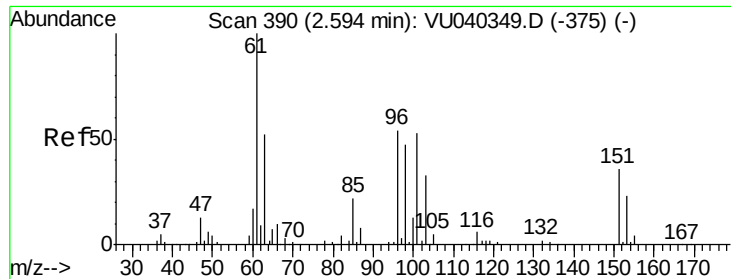
Tot Ion: 64 Resp: 38200
Ion Ratio Lower Upper
64 100
66 30.9 21.3 39.6



#9
Trichlorofluoromethane
Concen: 5.003 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion:101 Resp: 91576
Ion Ratio Lower Upper
101 100
103 65.0 52.6 79.0





#10

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

Concen: 4.889 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

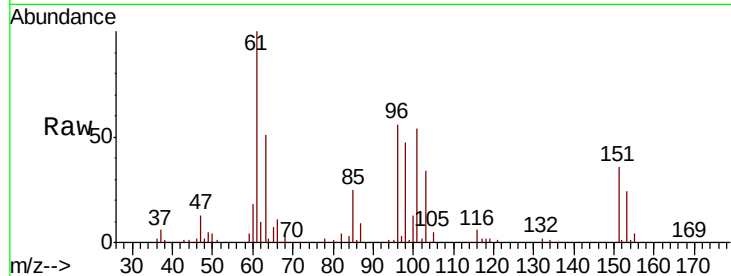
Tot Ion:101 Resp: 57140

Ion Ratio Lower Upper

101 100

85 46.7 35.0 52.6

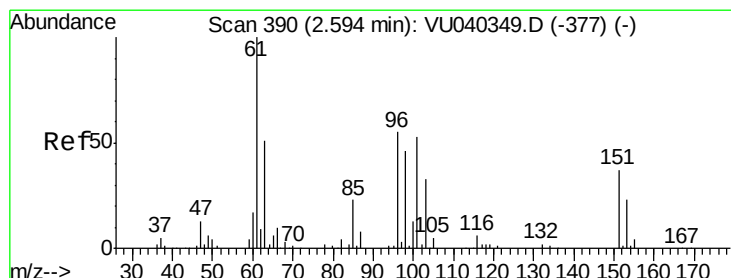
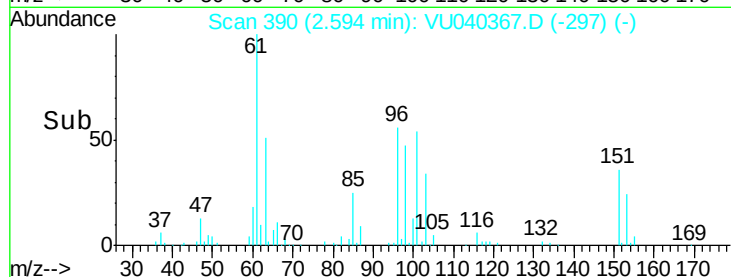
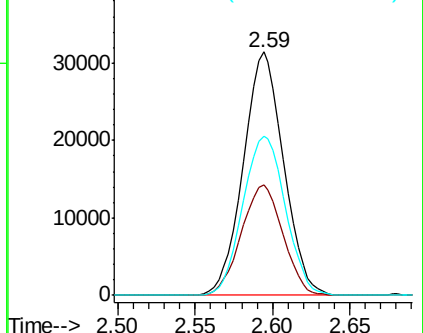
151 69.0 55.4 83.2



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: 4.990 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

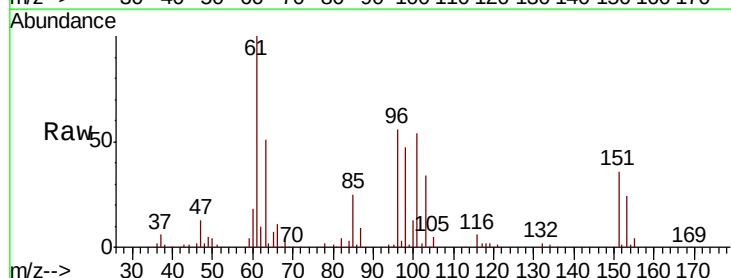
Tgt Ion: 96 Resp: 52163

Ion Ratio Lower Upper

96 100

61 179.9 128.6 238.8

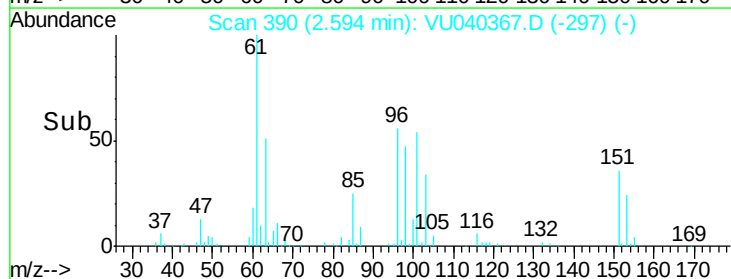
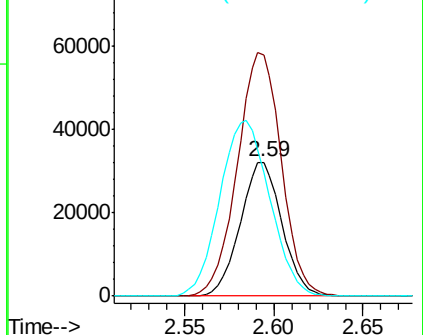
63 92.4 67.8 126.0

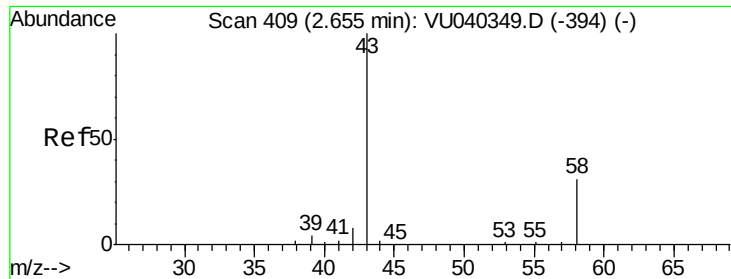


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.268 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

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MSVOA_U

ClientSampleId :

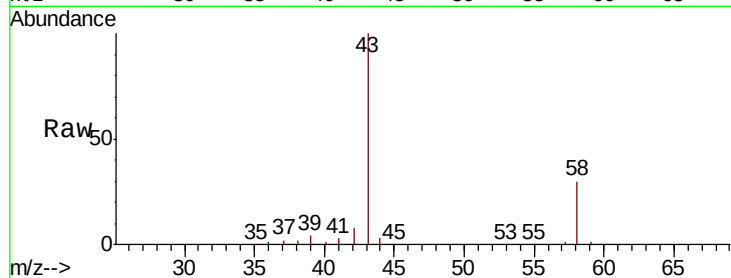
VSTD00524

Tot Ion: 43 Resp: 135787

Ion Ratio Lower Upper

43 100

58 29.6 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.65

60000

50000

40000

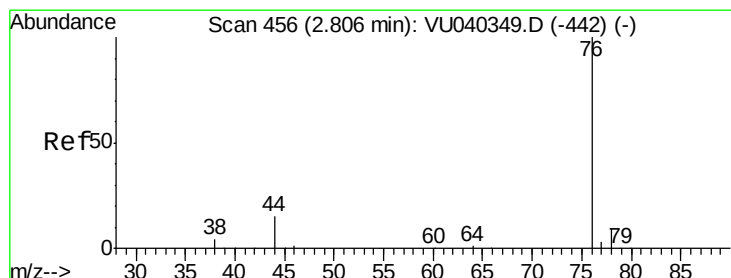
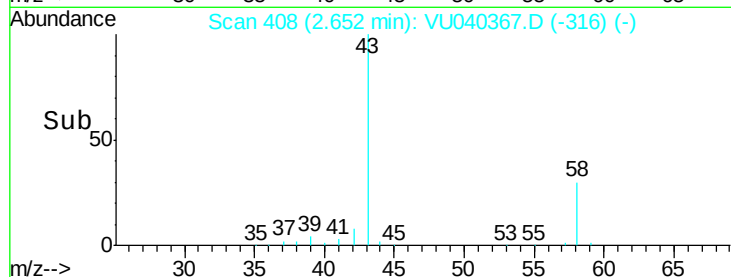
30000

20000

10000

0

Time--> 2.50 2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.015 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040367.D

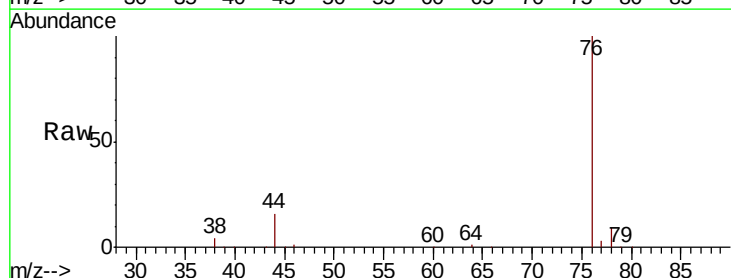
Acq: 29 Sep 2020 18:24

Tgt Ion: 76 Resp: 165717

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

100000

80000

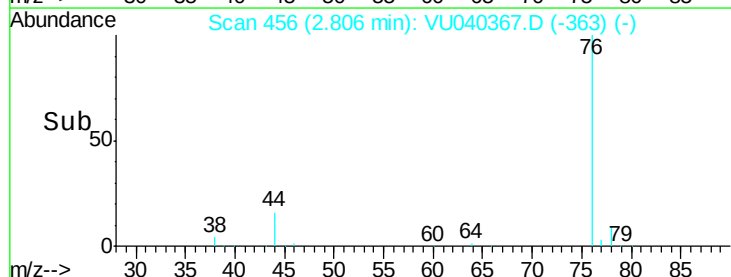
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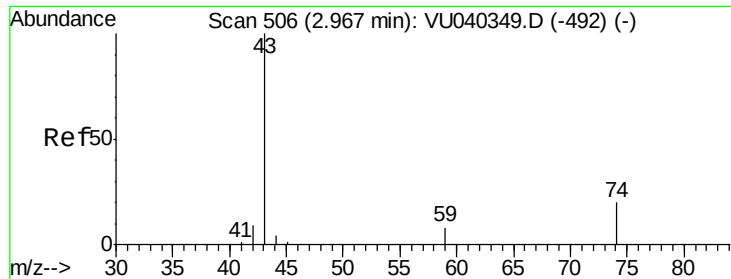
40000

20000

0

Time--> 2.75 2.80 2.85

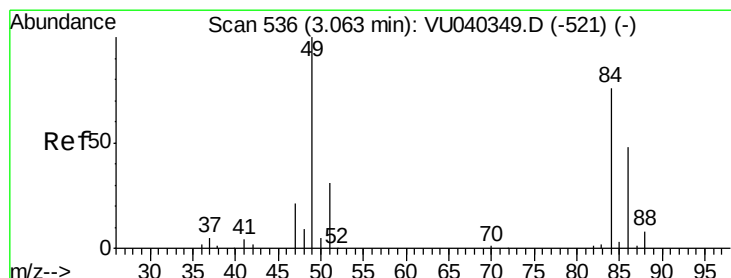
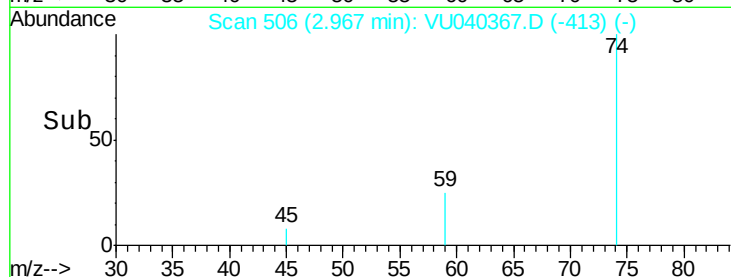
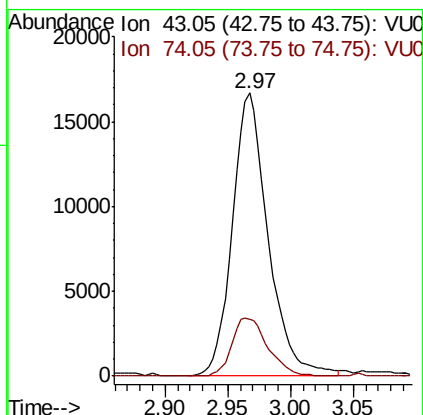
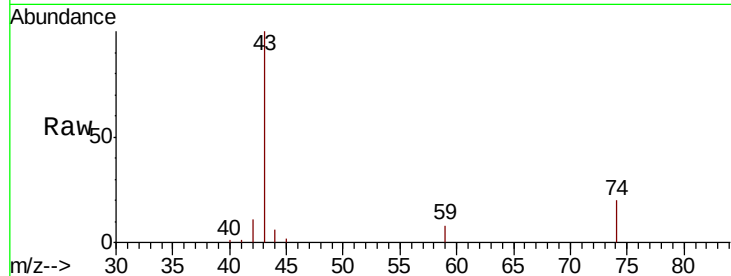




#15
Methvl Acetate
Concen: 4.885 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

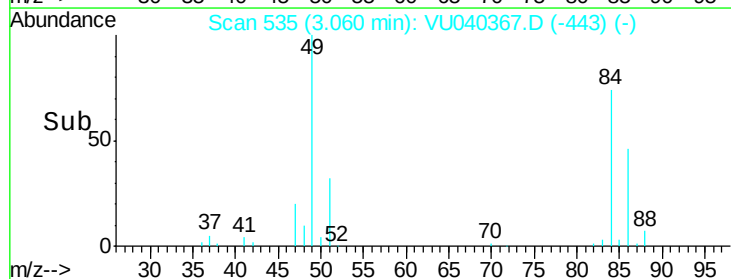
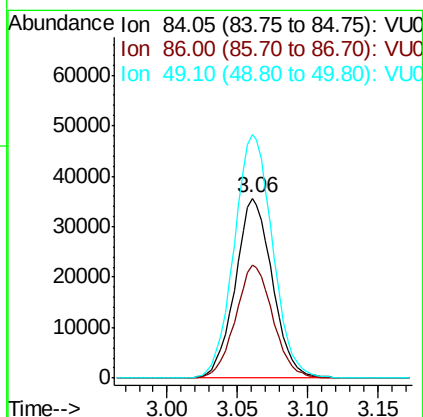
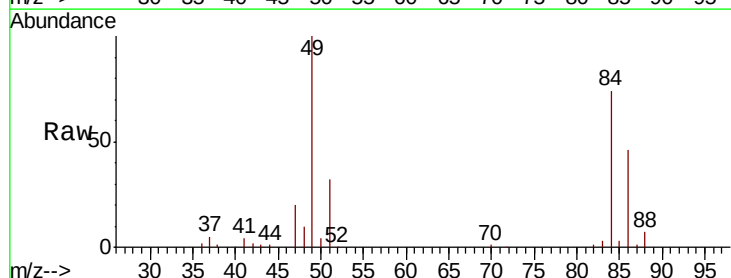
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

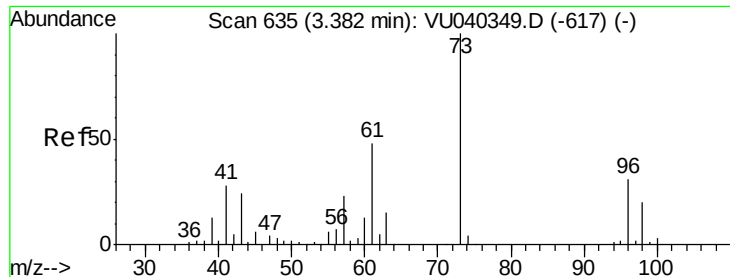
Tot Ion: 43 Resp: 33096
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 5.013 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion: 84 Resp: 65831
Ion Ratio Lower Upper
84 100
86 62.7 44.4 82.5
49 135.5 92.2 171.2

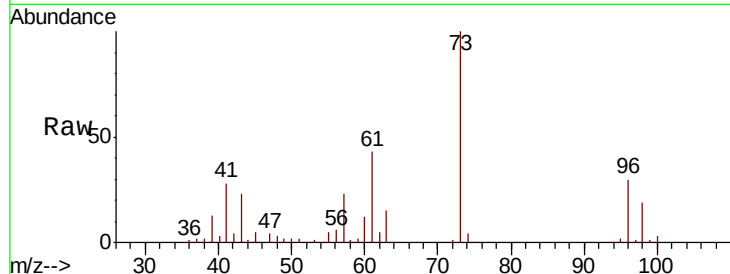




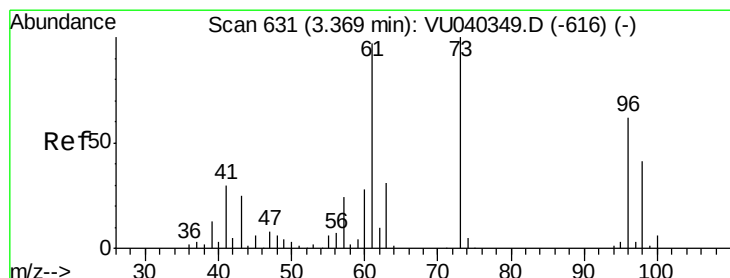
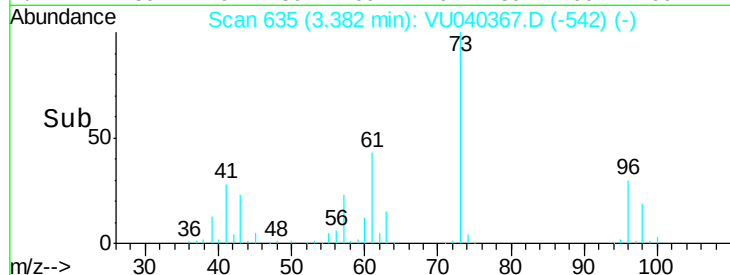
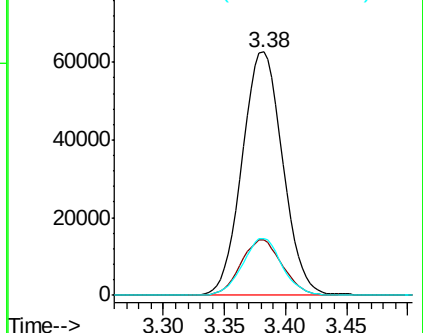
#17
Methyl tert-butyl Ether
Concen: 5.008 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 73 Resp: 144256
Ion Ratio Lower Upper
73 100
43 23.2 19.0 28.4
57 22.8 18.9 28.3

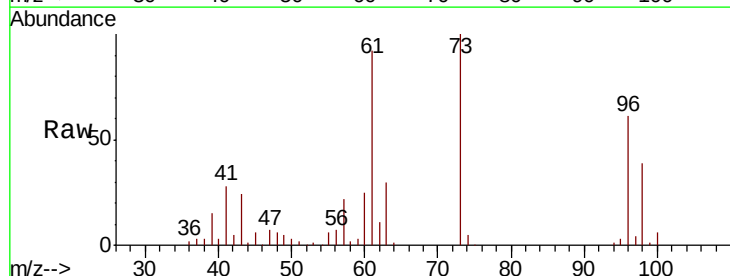


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

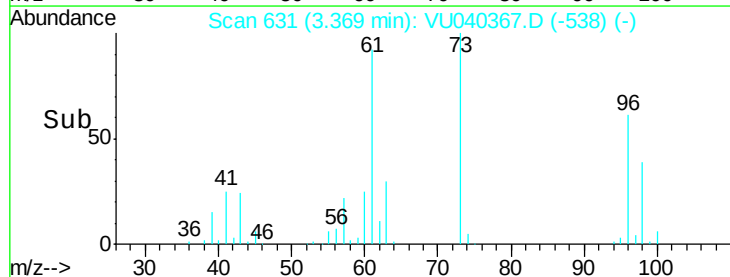
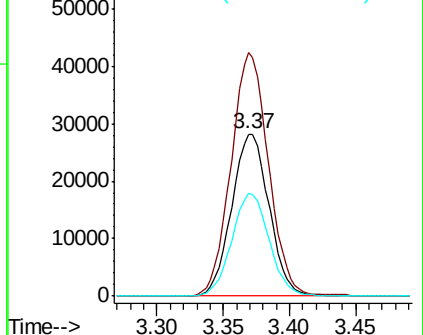


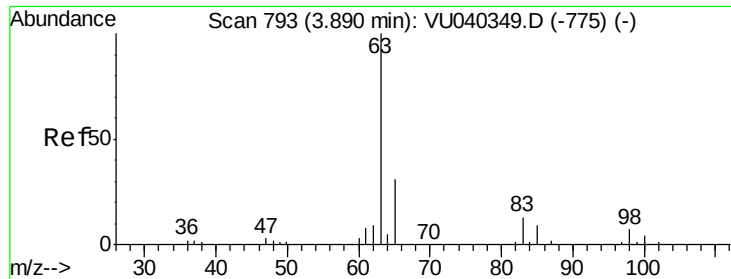
#18
trans-1,2-Dichloroethene
Concen: 5.110 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion: 96 Resp: 55240
Ion Ratio Lower Upper
96 100
61 150.2 109.3 203.1
98 63.2 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

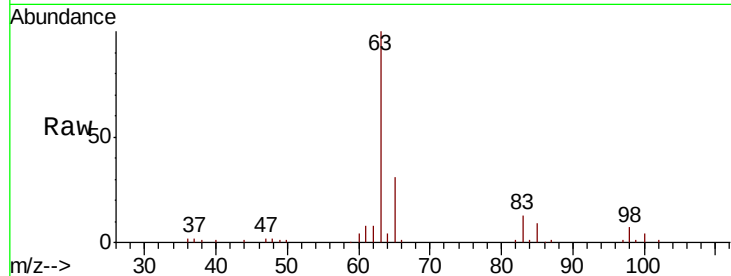




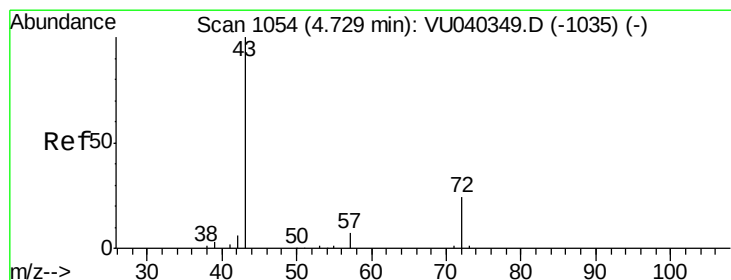
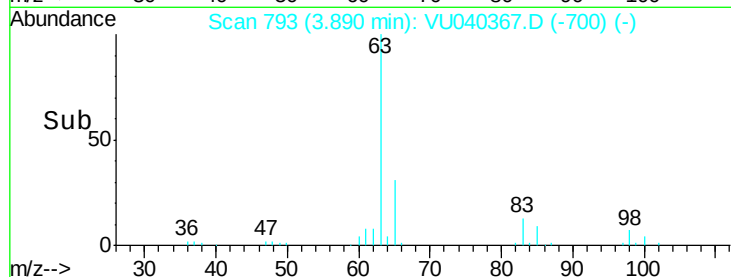
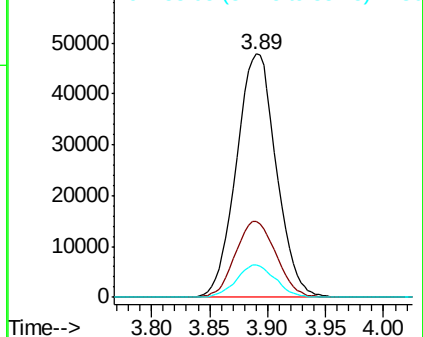
#19
 1,1-Dichloroethane
 Concen: 5.167 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion: 63 Resp: 114650
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.7 40.3
 83 13.4 9.1 16.9

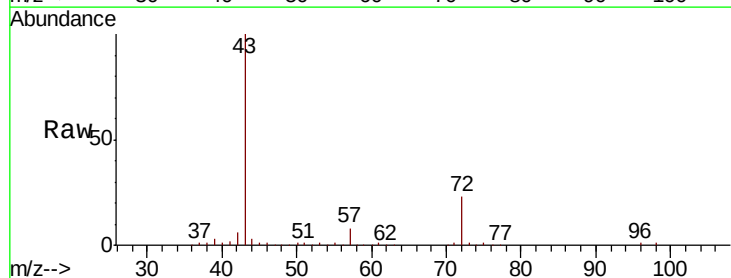


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

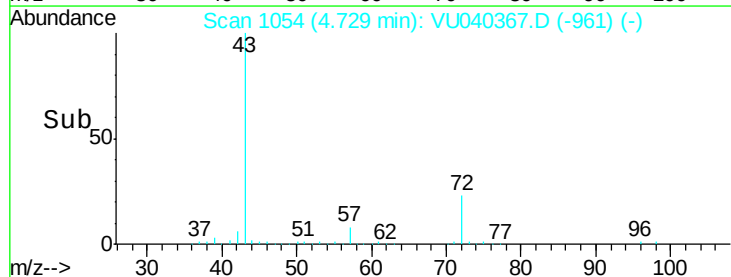
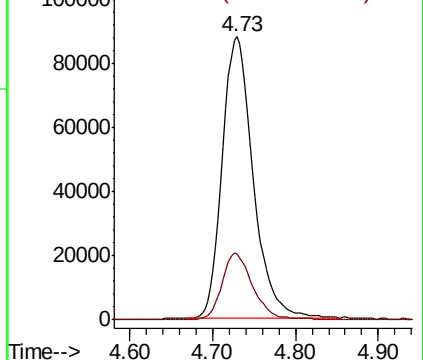


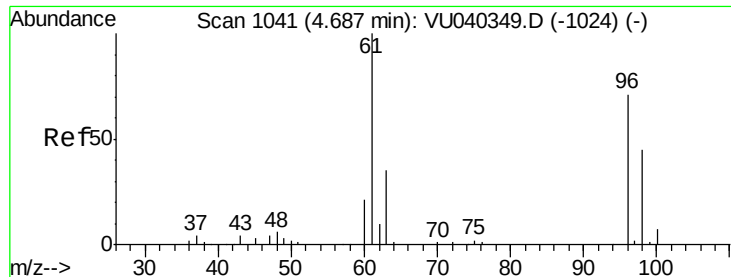
#21
 2-Butanone
 Concen: 50.549 ug/L
 RT: 4.73 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion: 43 Resp: 228251
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.0 36.1



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





#22

cis-1,2-Dichloroethene

Concen: 5.072 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

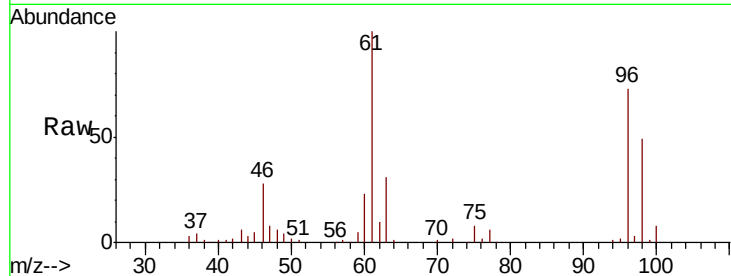
Tot Ion: 96 Resp: 60656

Ion Ratio Lower Upper

96 100

61 136.1 99.3 184.5

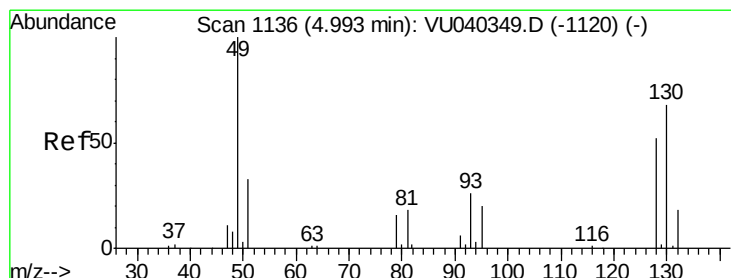
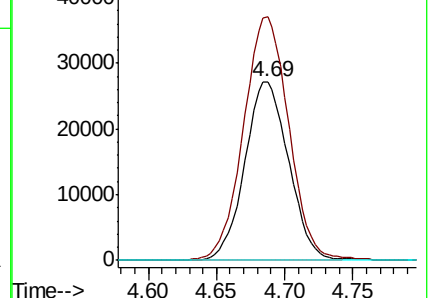
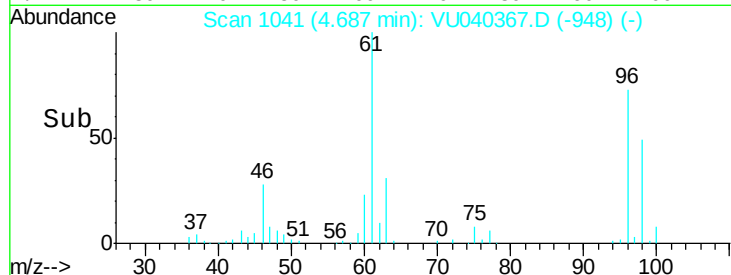
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040367.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040367.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040367.D (-948) (-)



#23

Bromochloromethane

Concen: 5.183 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Tgt Ion: 128 Resp: 28378

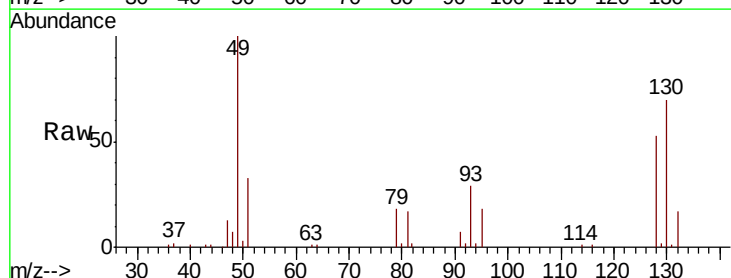
Ion Ratio Lower Upper

128 100

49 188.3 134.6 250.0

130 131.5 91.1 169.1

51 61.9 50.6 75.8

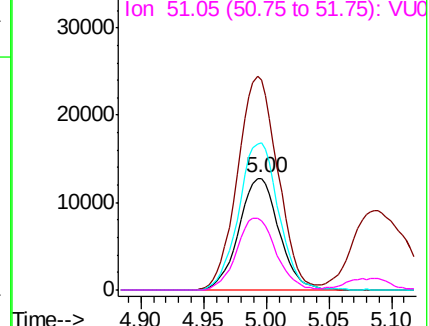
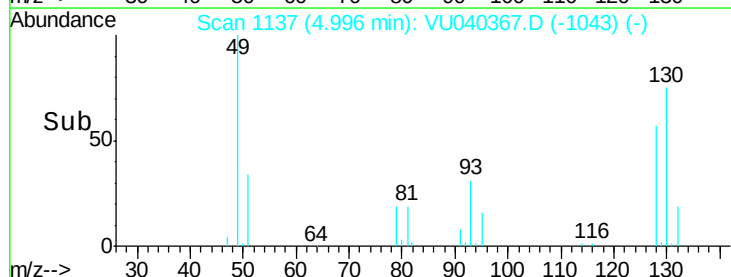


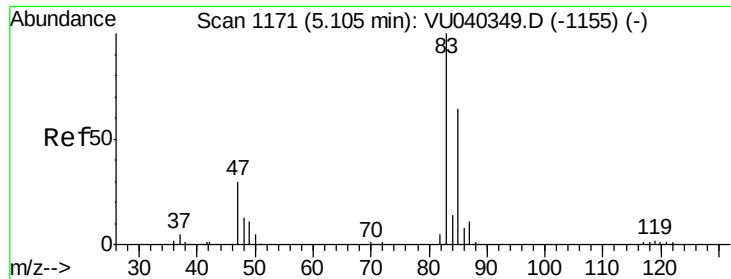
Abundance Ion 127.90 (127.60 to 128.60): VU040367.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040367.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040367.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040367.D (-1043) (-)

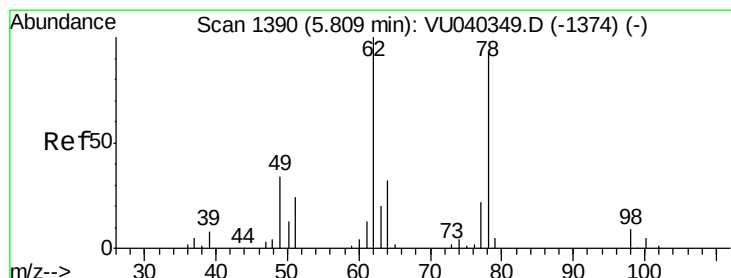
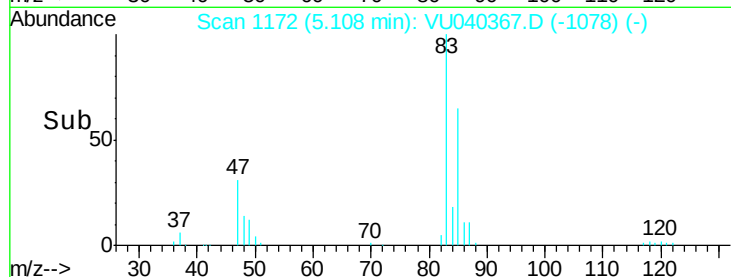
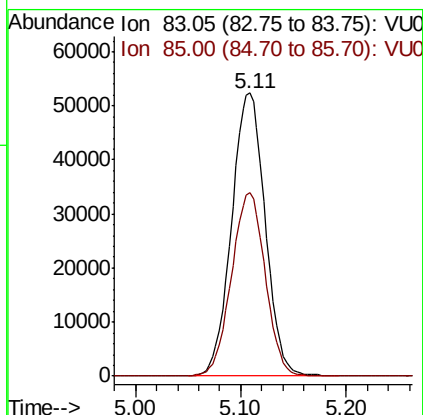
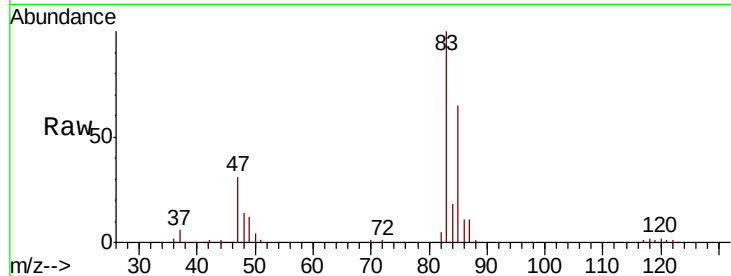




#25
Chloroform
Concen: 5.107 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

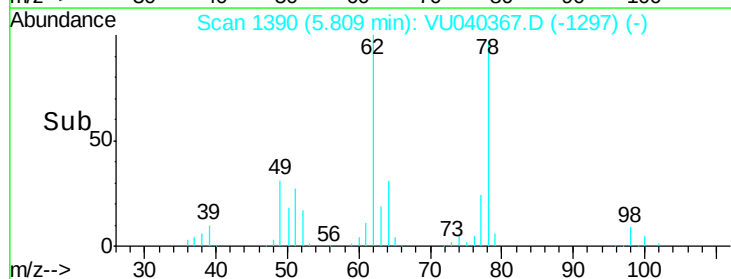
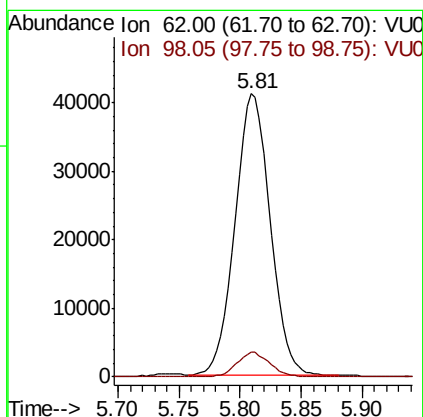
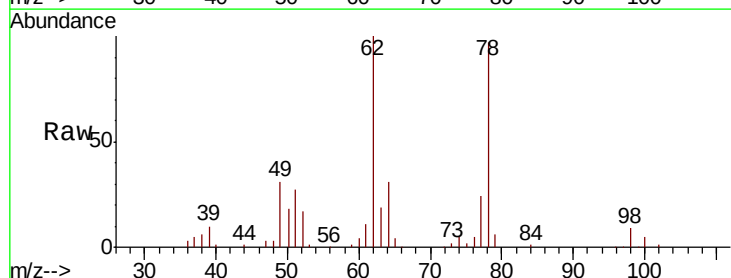
Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

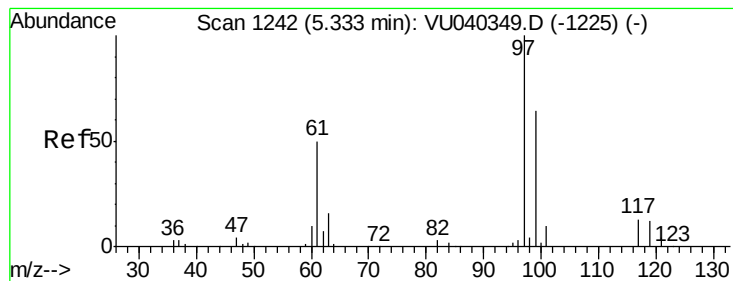
Tot Ion: 83 Resp: 115592
Ion Ratio Lower Upper
83 100
85 65.0 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.240 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion: 62 Resp: 82115
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 5.128 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

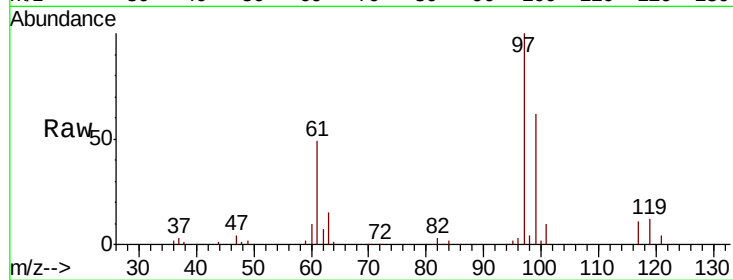
Tot Ion: 97 Resp: 96560

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

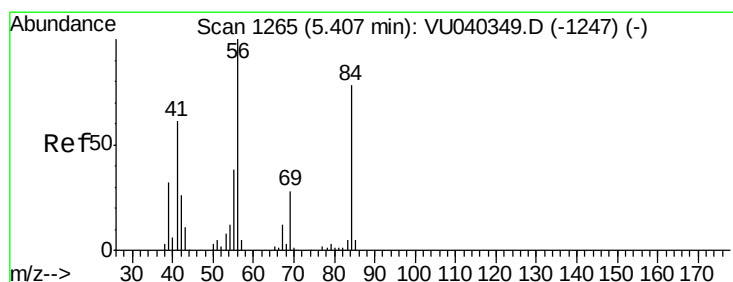
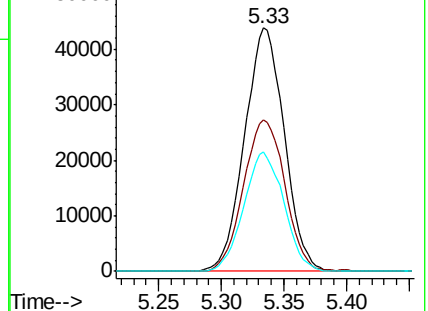
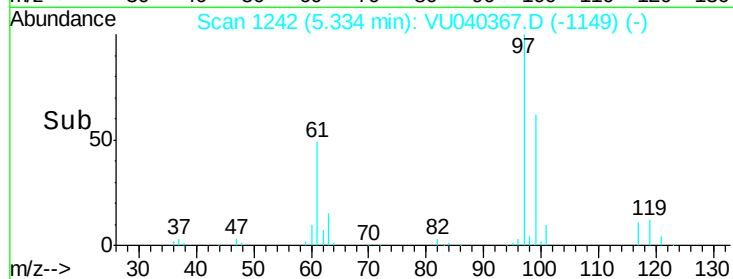
61 49.3 39.7 59.5



Abundance Ion 96.95 (96.65 to 97.65): VU040367.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU040367.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU040367.D (-1149) (-)



#30

Cyclohexane

Concen: 5.056 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

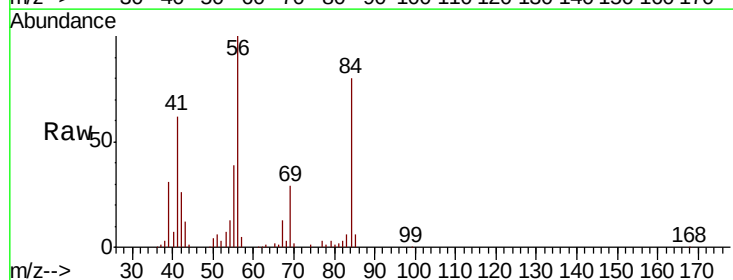
Tgt Ion: 56 Resp: 98492

Ion Ratio Lower Upper

56 100

69 29.5 23.3 34.9

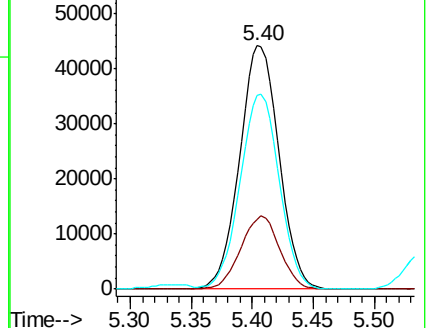
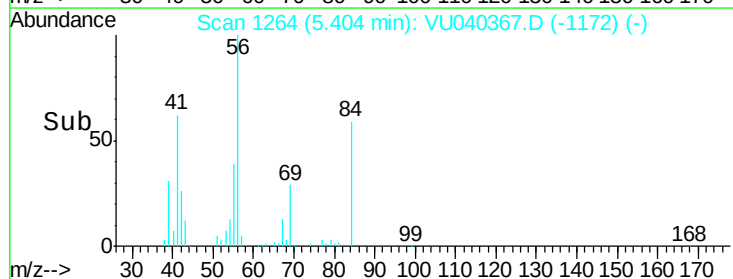
84 79.9 64.2 96.4

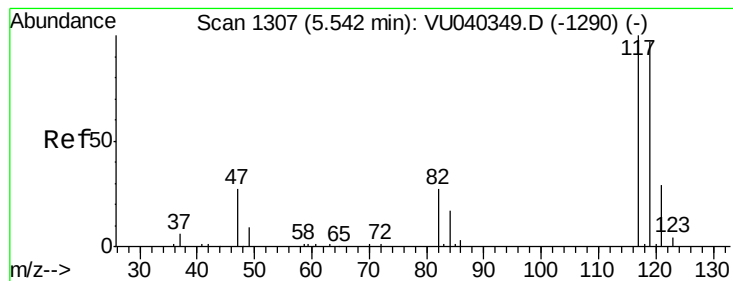


Abundance Ion 56.10 (55.80 to 56.80): VU040367.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU040367.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU040367.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 5.083 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

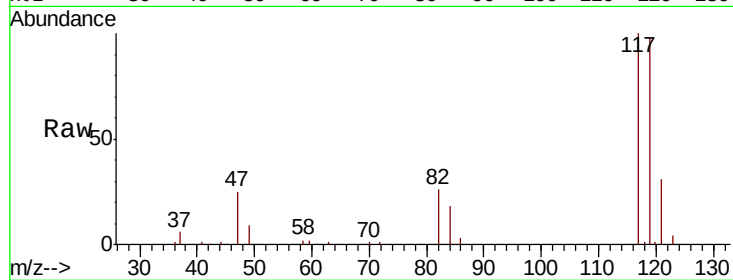
VSTD00524

Tot Ion:117 Resp: 82064

Ion Ratio Lower Upper

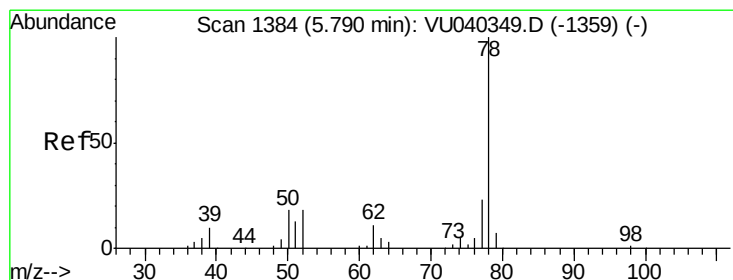
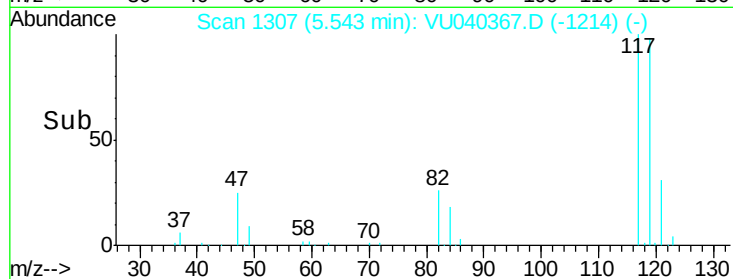
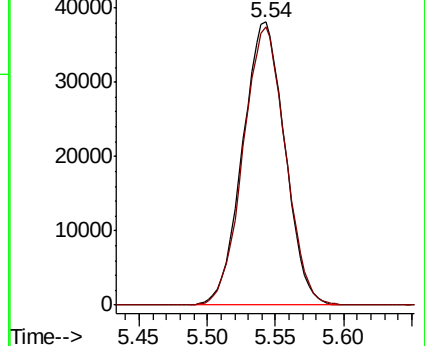
117 100

119 98.0 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: 5.220 ug/L

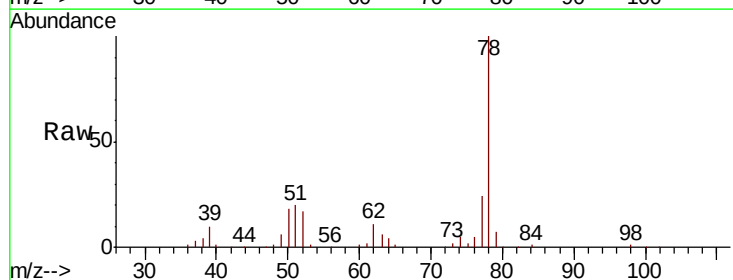
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

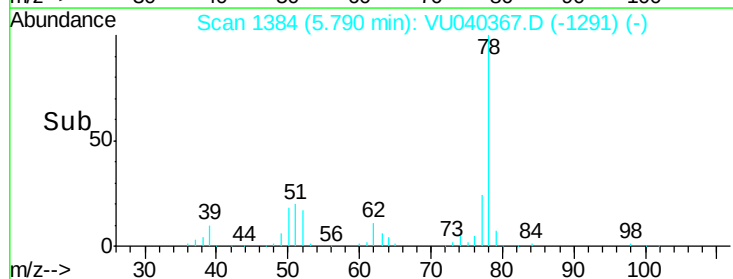
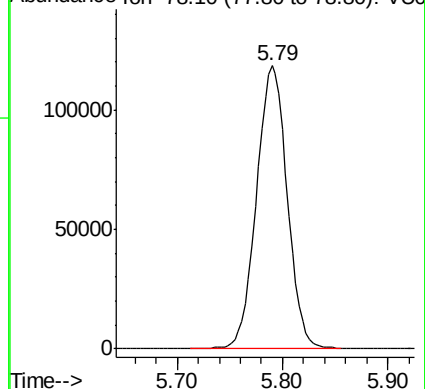
Lab File: VU040367.D

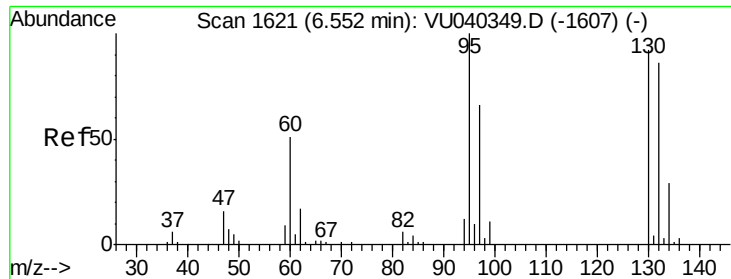
Acq: 29 Sep 2020 18:24

Tgt Ion: 78 Resp: 241243



Abundance Ion 78.10 (77.80 to 78.80): VU0

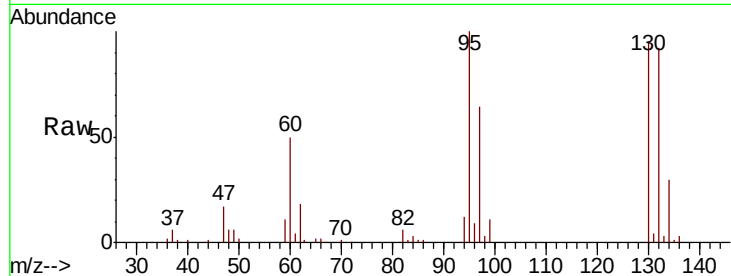




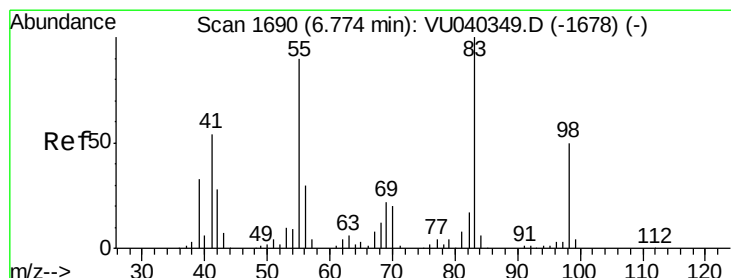
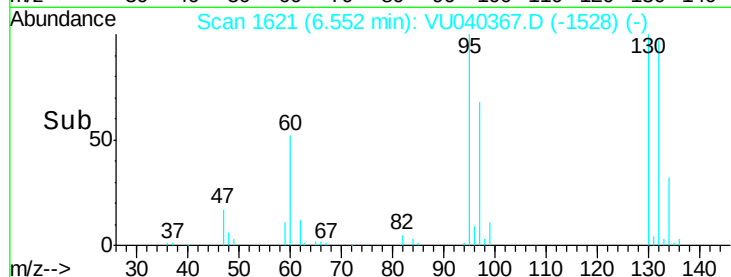
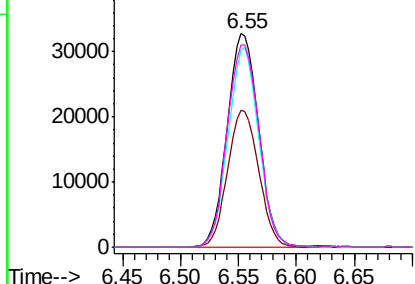
#34
 Trichloroethene
 Concen: 5.020 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion:	95	Resp:	61591
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.3	85.9
132	92.3	60.5	112.3
130	94.7	64.3	119.3

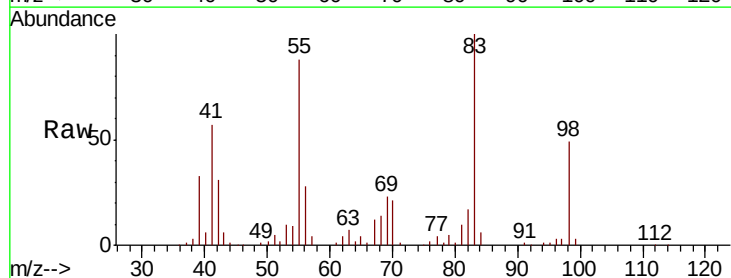


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

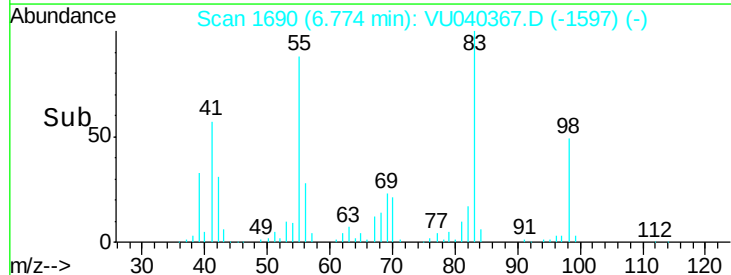
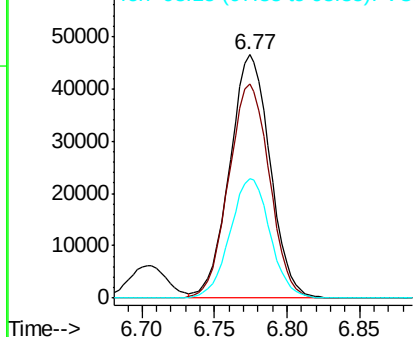


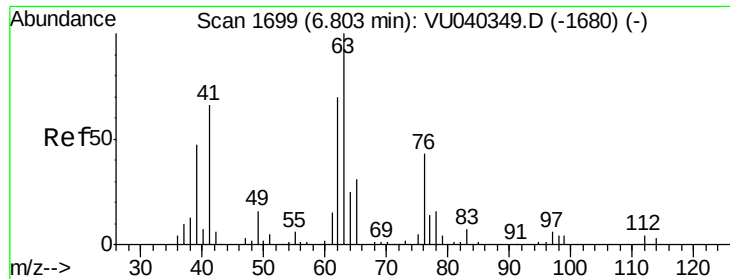
#35
 Methylcyclohexane
 Concen: 4.989 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion:	83	Resp:	89768
Ion	Ratio	Lower	Upper
83	100		
55	89.0	71.4	107.2
98	48.8	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

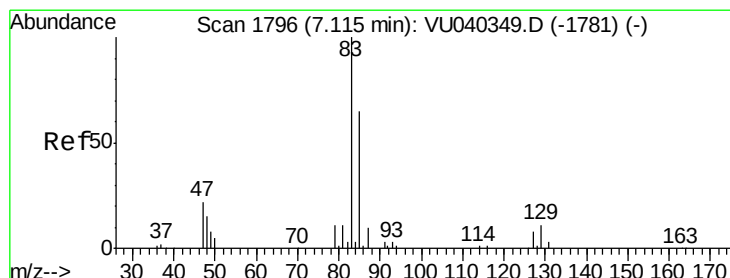
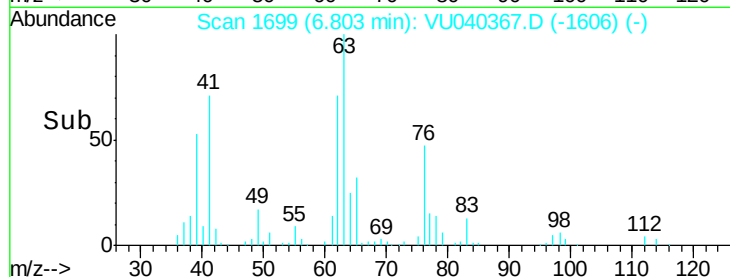
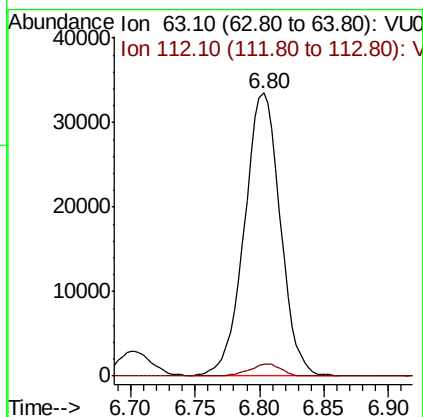
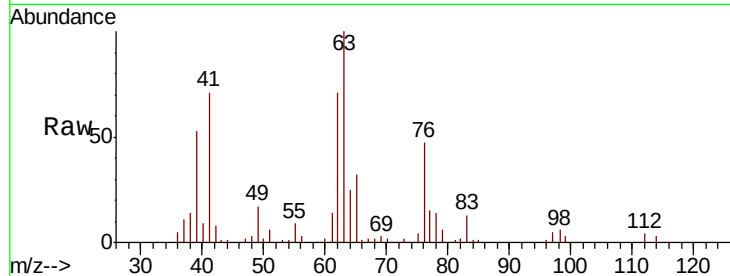




#37
 1,2-Dichloropropane
 Concen: 5.024 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

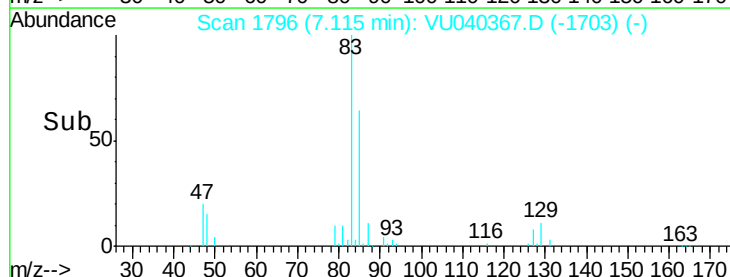
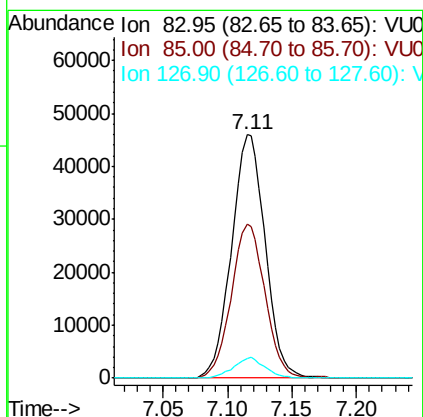
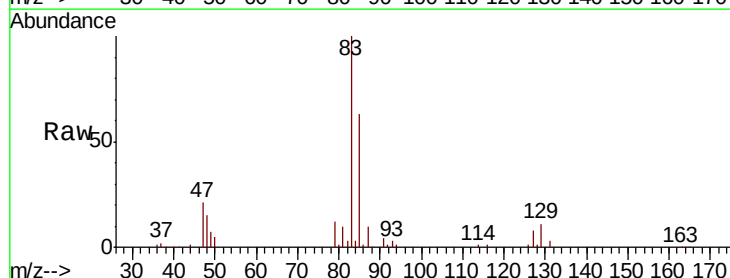
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

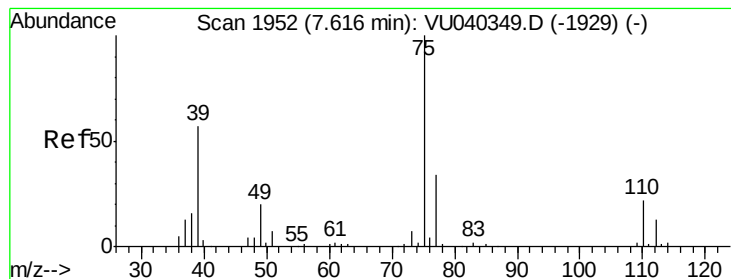
Tot Ion: 63 Resp: 64666
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.246 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion: 83 Resp: 83370
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.1 83.9
 127 8.2 6.6 9.8



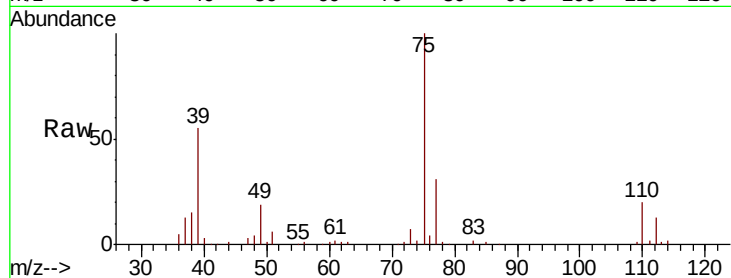


#39

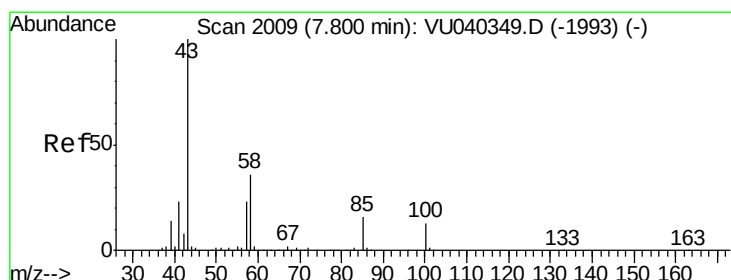
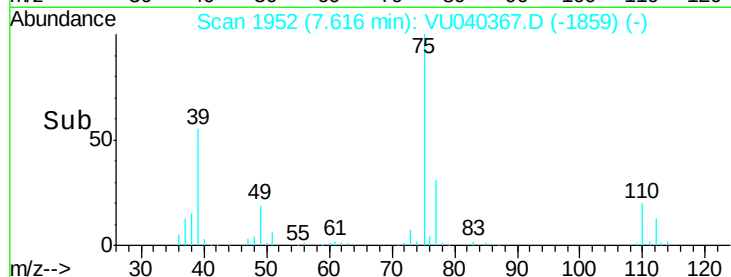
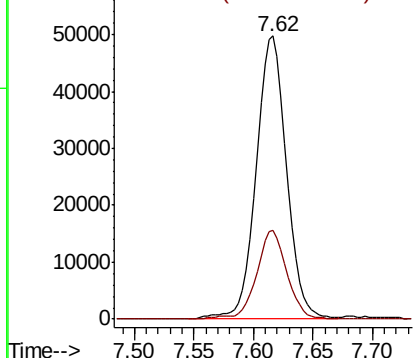
cis-1,3-Dichloropropene
 Concen: 5.104 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00524

Tot Ion: 75 Resp: 88092
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.5 43.7



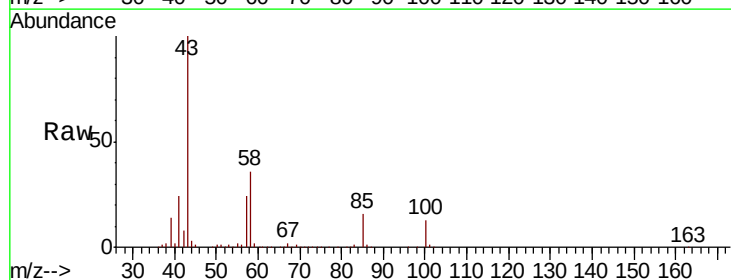
Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0



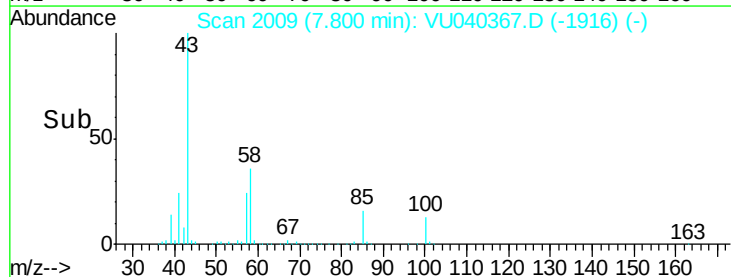
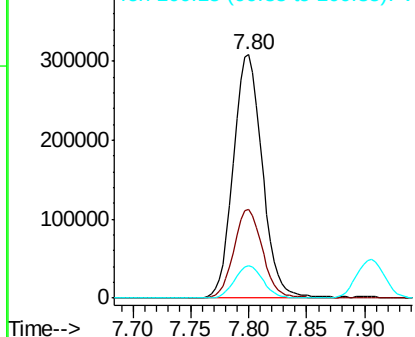
#40

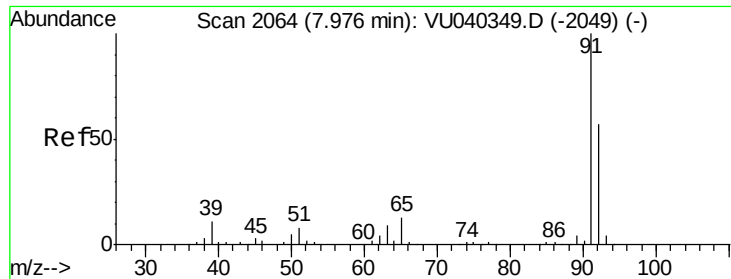
4-Methyl-2-pentanone
 Concen: 53.127 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion: 43 Resp: 535426
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.2 43.8
 100 13.1 10.3 15.5



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





#42

Toluene

Concen: 5.285 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

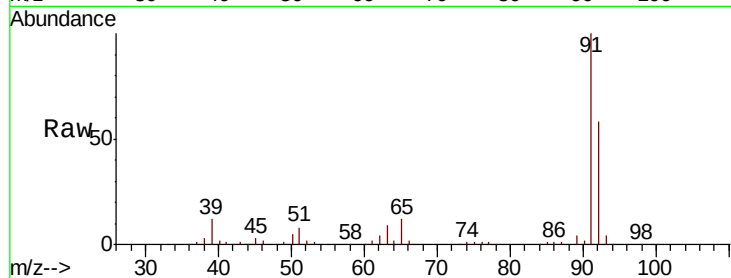
VSTD00524

Tot Ion: 91 Resp: 250424

Ion Ratio Lower Upper

91 100

92 58.5 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040349.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040349.D (-2049) (-)

7.98

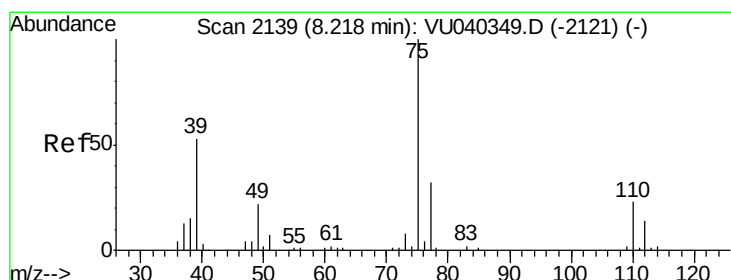
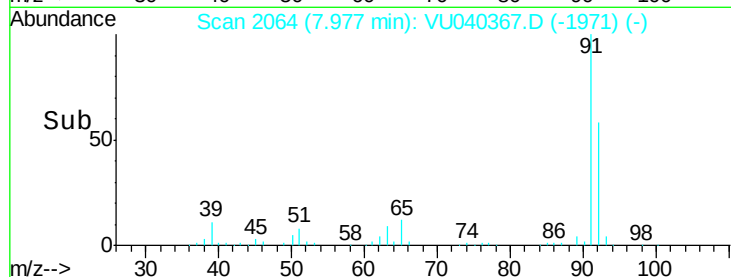
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.203 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040367.D

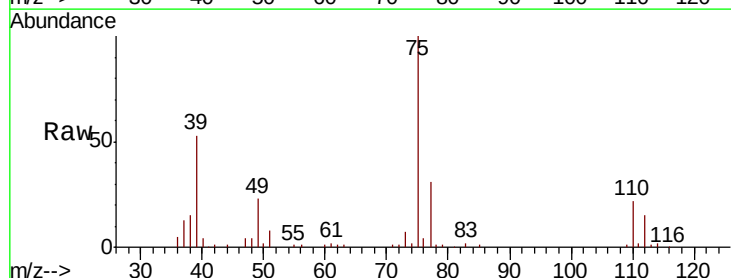
Acq: 29 Sep 2020 18:24

Tgt Ion: 75 Resp: 82802

Ion Ratio Lower Upper

75 100

77 30.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040349.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040349.D (-2121) (-)

8.22

50000

40000

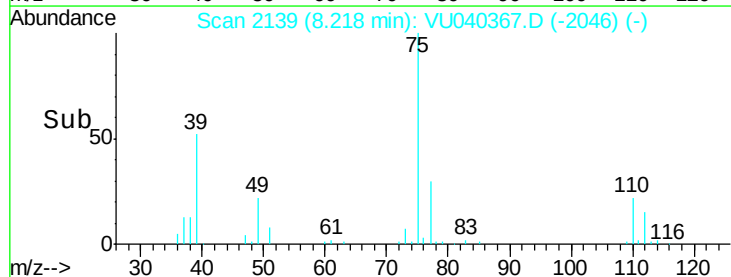
30000

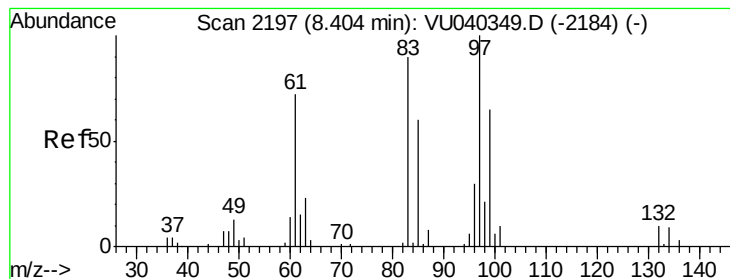
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.218 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

Tot Ion: 97 Resp: 47072

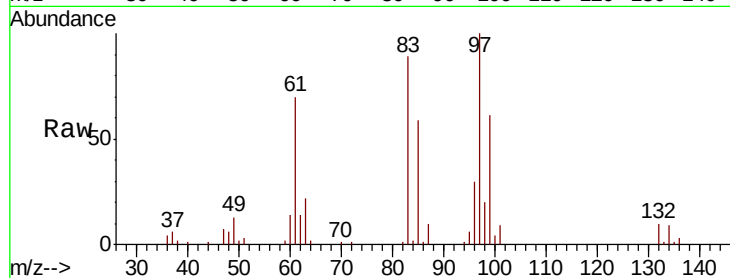
Ion Ratio Lower Upper

97 100

99 61.4 45.8 85.0

83 89.0 62.9 116.9

85 58.8 41.7 77.5

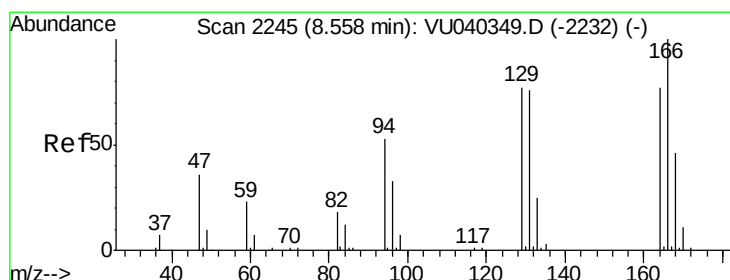
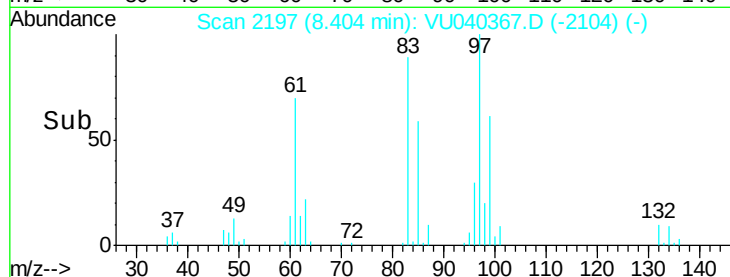
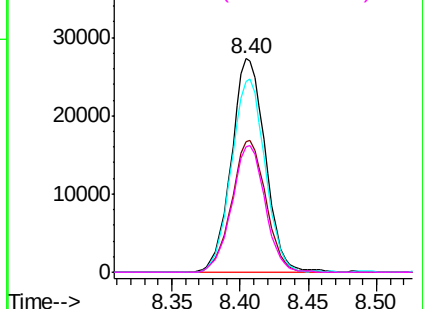


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.926 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Tgt Ion: 164 Resp: 42907

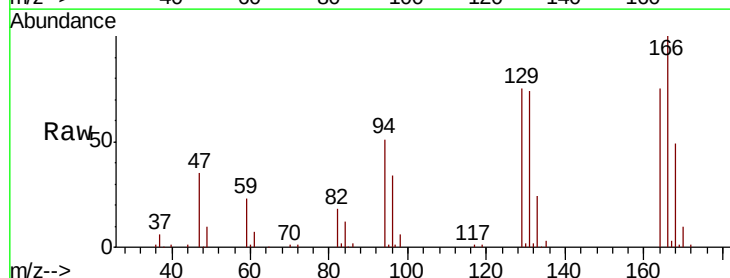
Ion Ratio Lower Upper

164 100

129 99.4 70.3 130.7

131 97.9 69.2 128.6

166 132.9 91.1 169.3

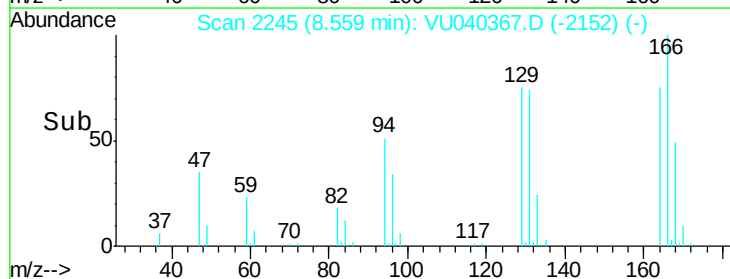
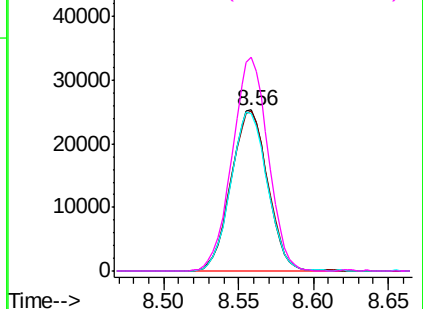


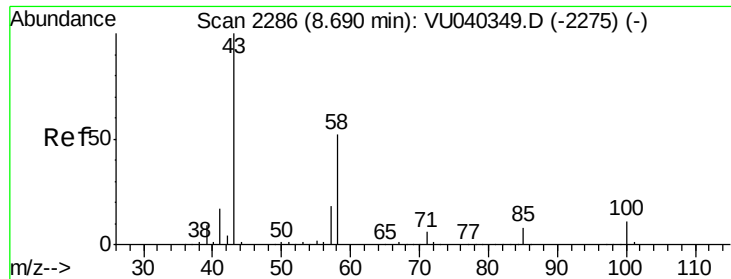
Abundance Ion 163.90 (163.60 to 164.60): V

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

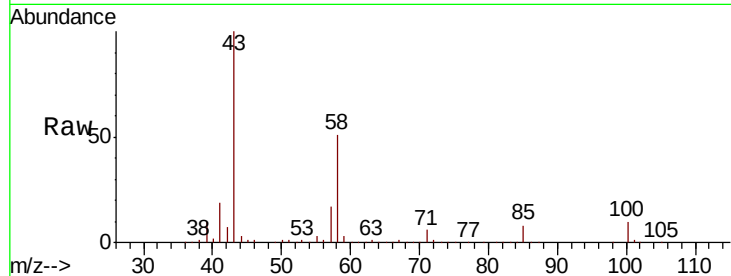




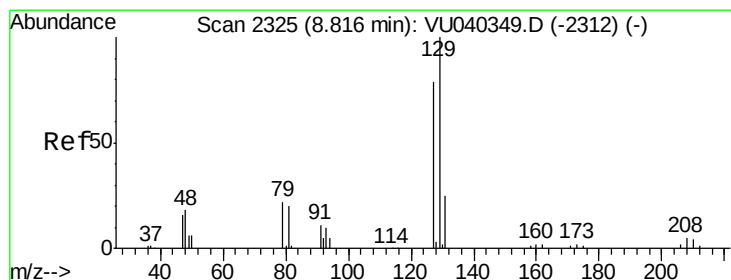
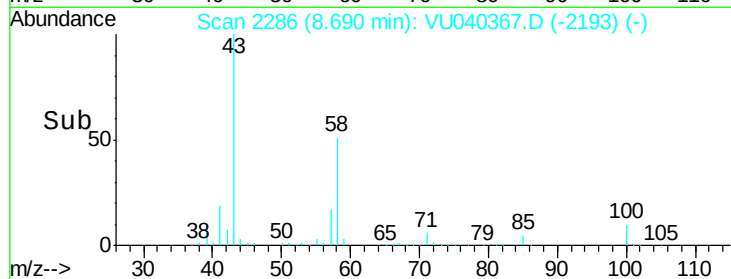
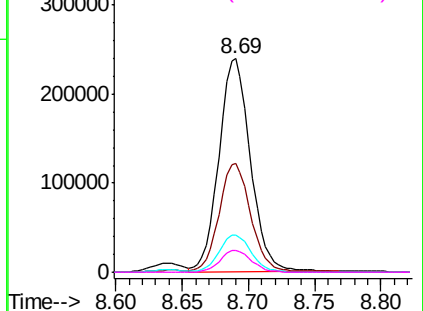
#48
2-Hexanone
Concen: 53.145 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion: 43 Resp: 394681
Ion Ratio Lower Upper
43 100
58 51.6 41.0 61.4
57 17.7 14.6 22.0
100 10.4 8.2 12.4

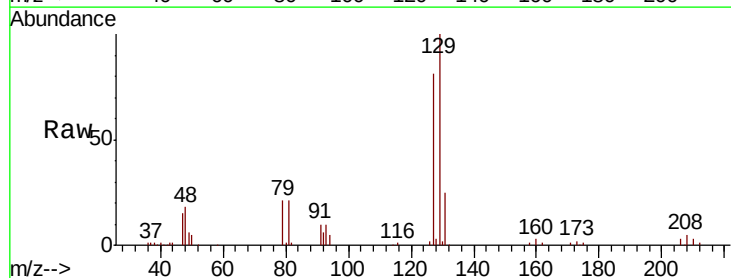


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

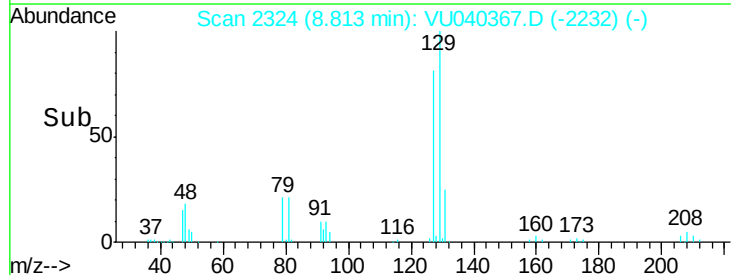
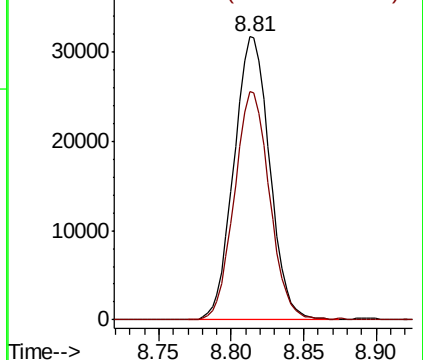


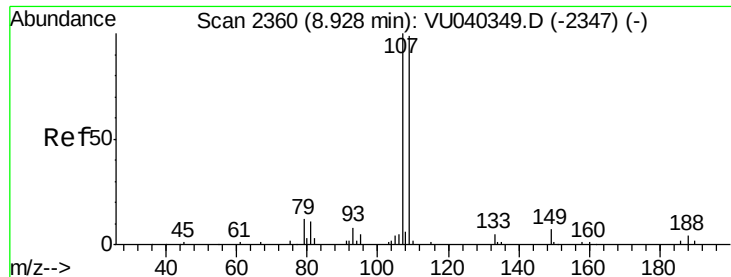
#49
Dibromochloromethane
Concen: 5.179 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion: 129 Resp: 54355
Ion Ratio Lower Upper
129 100
127 80.5 55.4 103.0



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

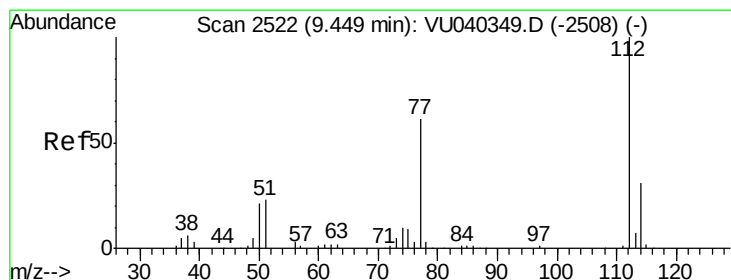
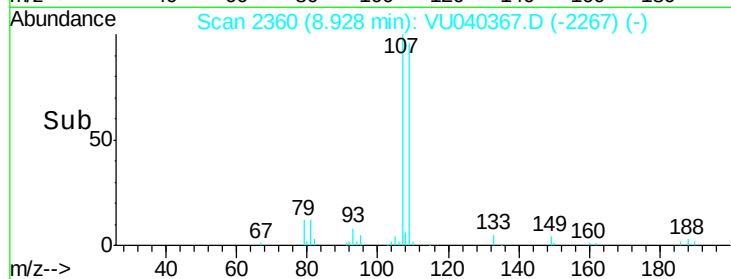
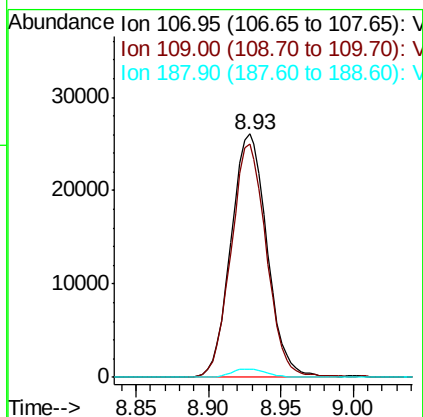
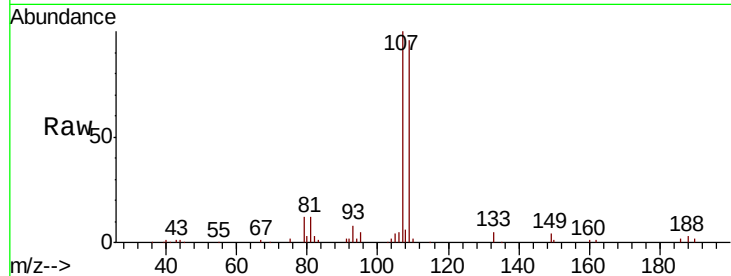




#50
 1,2-Dibromoethane
 Concen: 5.211 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

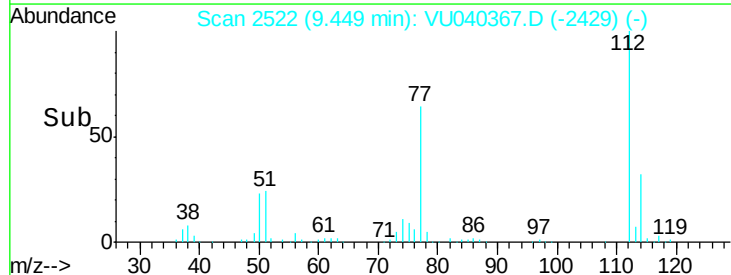
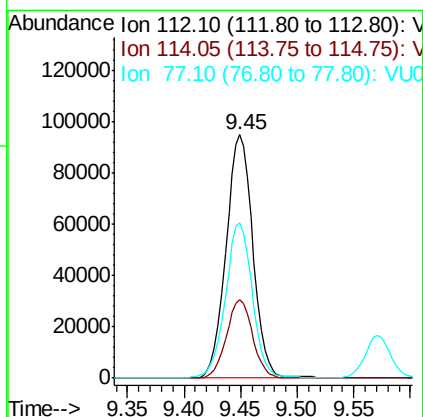
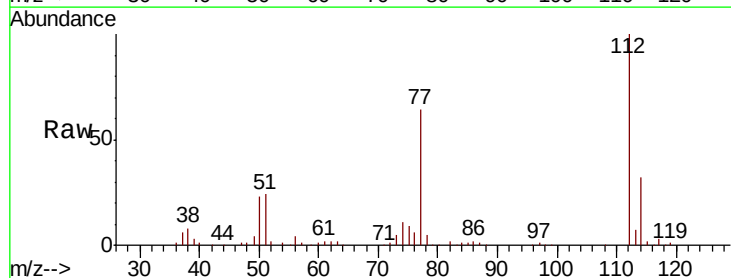
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

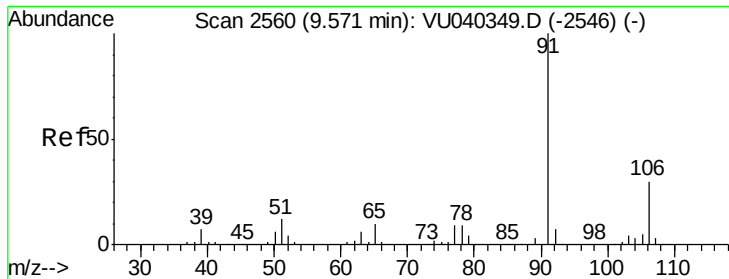
Tot Ion:107 Resp: 45096
 Ion Ratio Lower Upper
 107 100
 109 95.7 69.4 128.8
 188 3.5 3.3 4.9



#51
 Chlorobenzene
 Concen: 5.111 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion:112 Resp: 156582
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.0 40.8
 77 63.5 49.5 74.3





#52

Ethylbenzene

Concen: 5.245 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

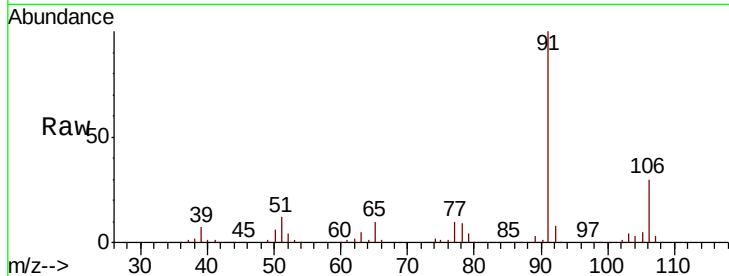
VSTD00524

Tot Ion: 91 Resp: 269718

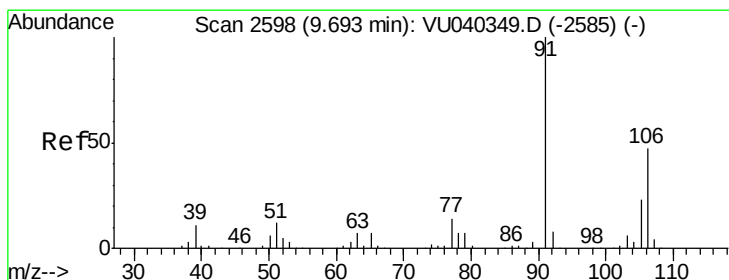
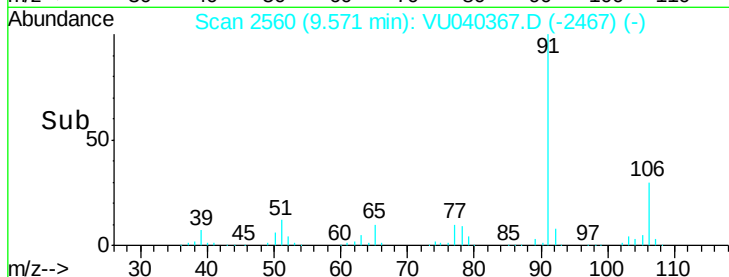
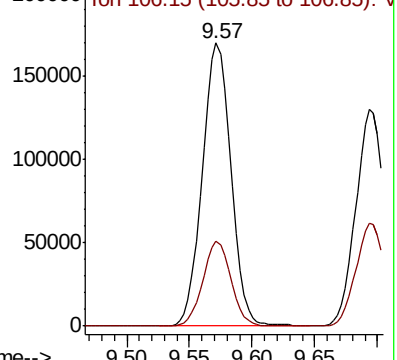
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040349.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.358 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040367.D

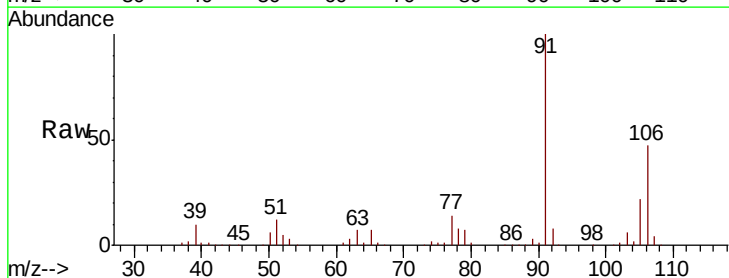
Acq: 29 Sep 2020 18:24

Tgt Ion: 106 Resp: 102647

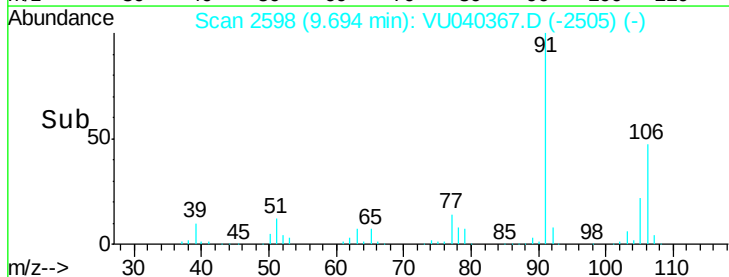
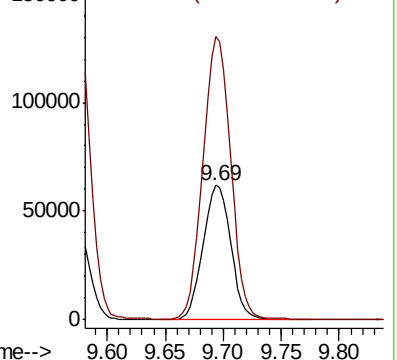
Ion Ratio Lower Upper

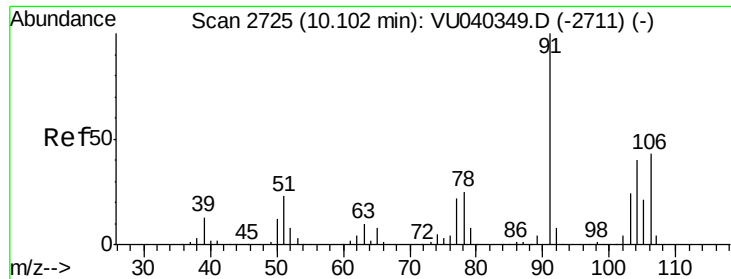
106 100

91 210.6 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040349.D (-2585) (-)

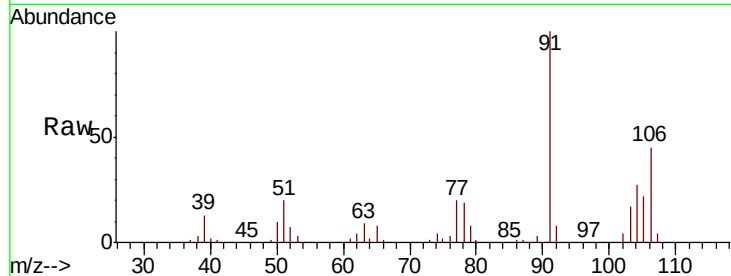




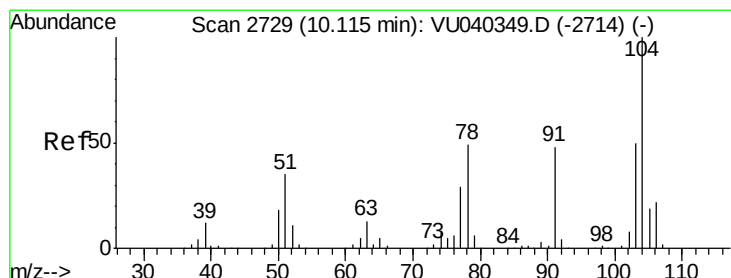
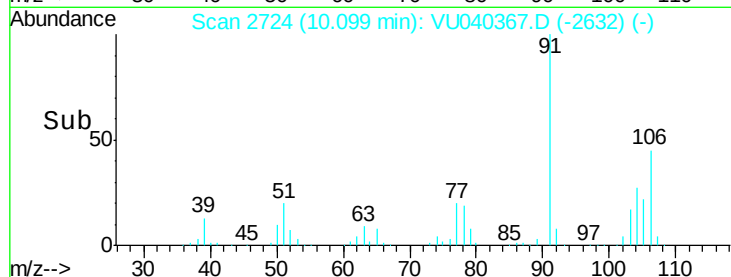
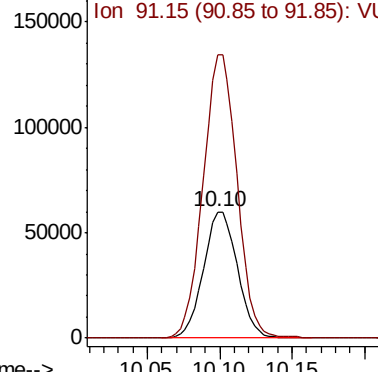
#54
o-Xylene
Concen: 5.413 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00524

Tot Ion:106 Resp: 97560
Ion Ratio Lower Upper
106 100
91 223.9 160.9 298.9

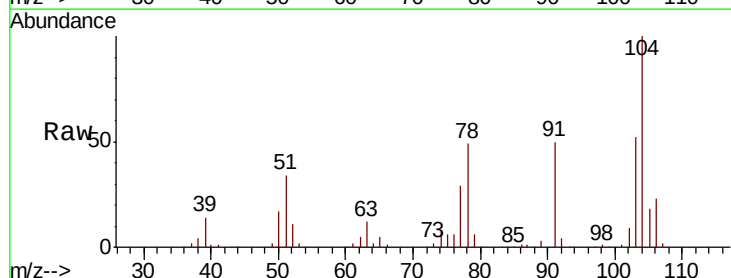


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

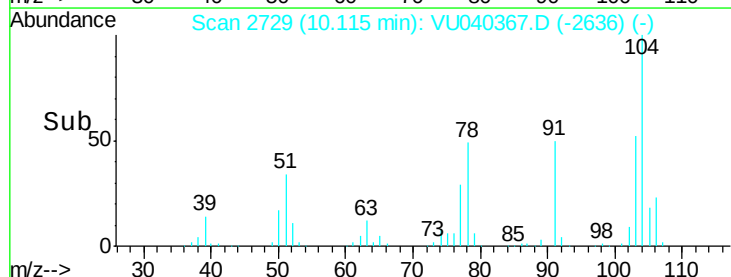
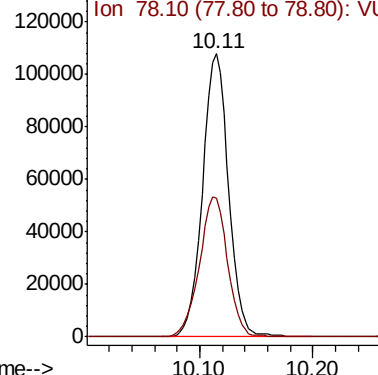


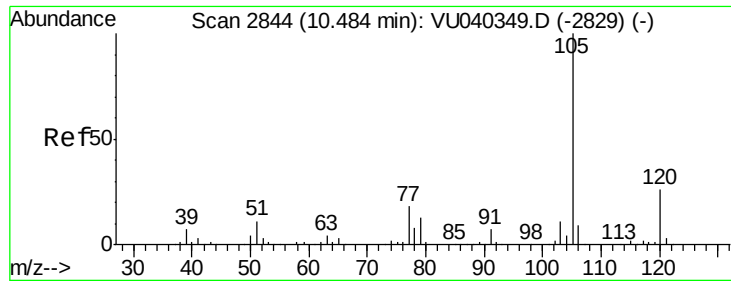
#55
Styrene
Concen: 5.483 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040367.D
Acq: 29 Sep 2020 18:24

Tgt Ion:104 Resp: 172365
Ion Ratio Lower Upper
104 100
78 49.1 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: 5.392 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

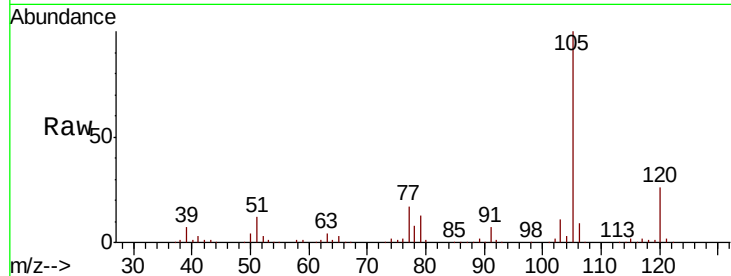
Tot Ion:105 Resp: 262244

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

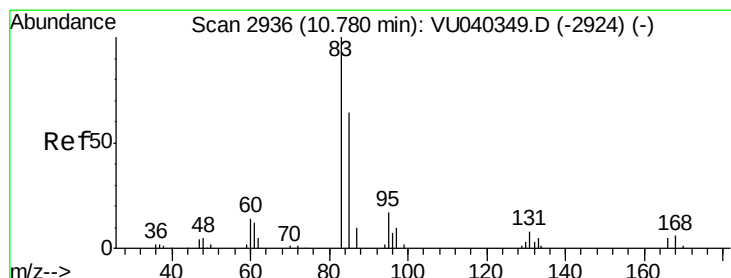
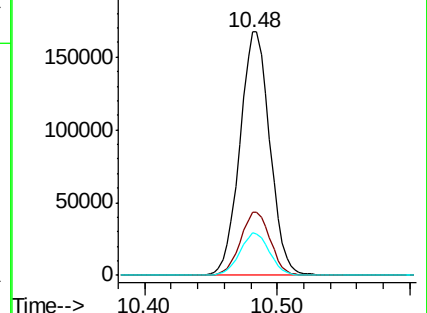
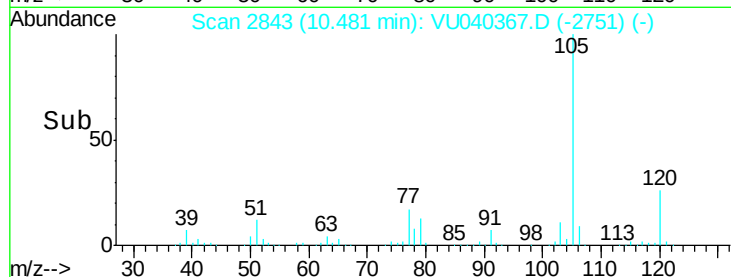
77 17.3 14.3 21.5



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: 5.133 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

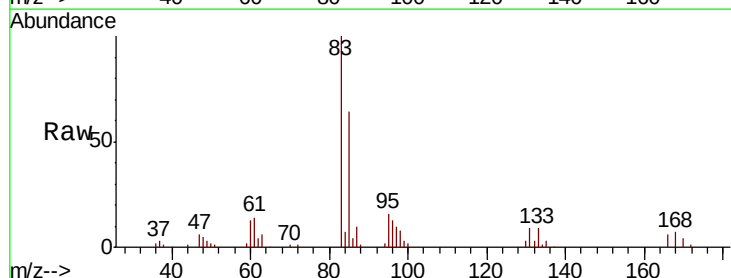
Tgt Ion: 83 Resp: 62764

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

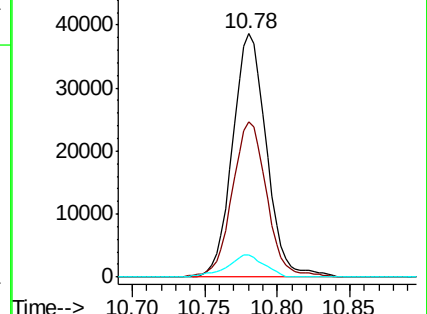
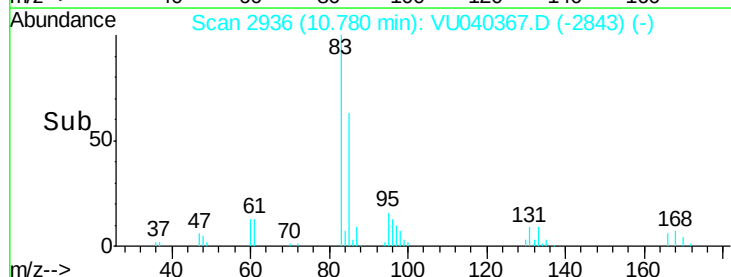
131 9.1 6.6 10.0

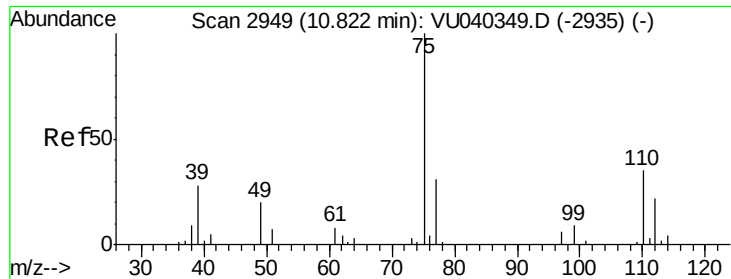


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.068 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

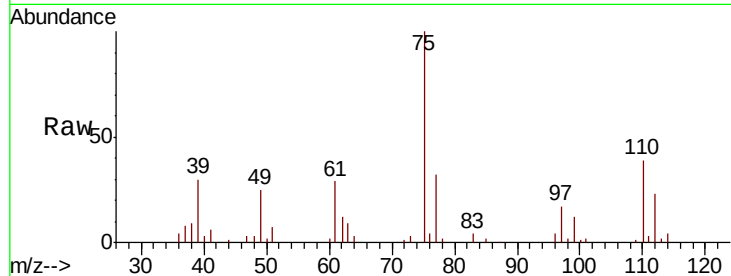
VSTD00524

Tot Ion: 75 Resp: 47281

Ion Ratio Lower Upper

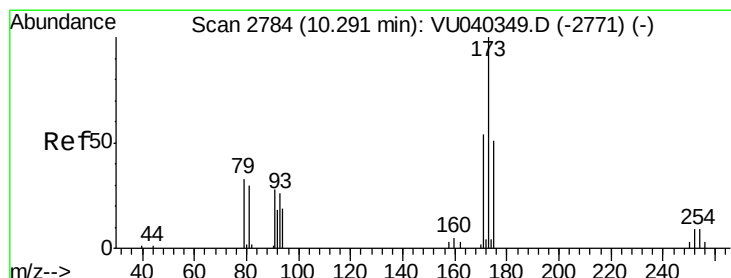
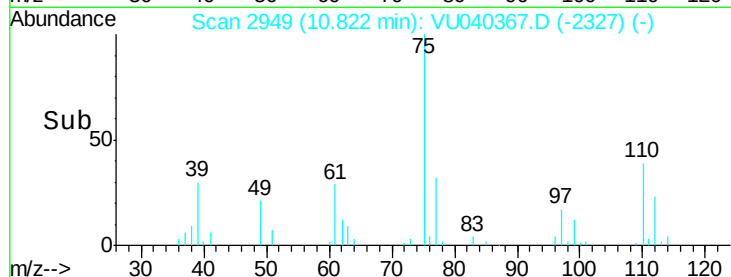
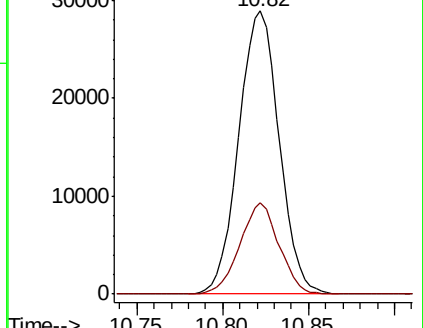
75 100

77 31.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040349.D (-2935) (-)

Ion 77.00 (76.70 to 77.70): VU040349.D (-2935) (-)



#61

Bromoform

Concen: 5.060 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

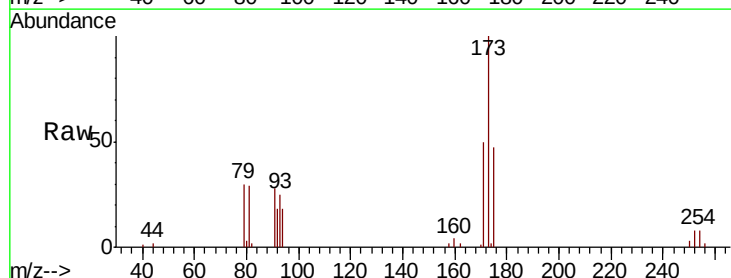
Tgt Ion: 173 Resp: 31317

Ion Ratio Lower Upper

173 100

175 47.0 39.6 59.4

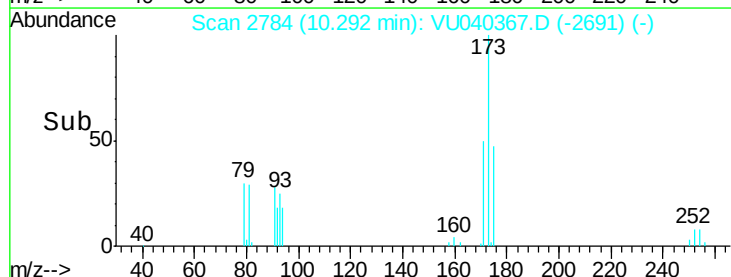
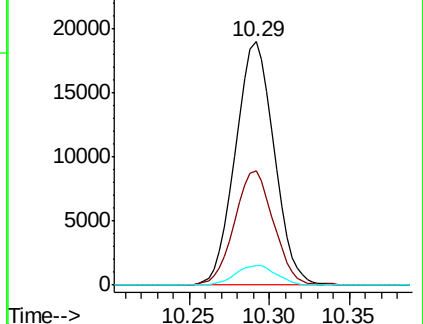
254 8.2 7.0 10.4

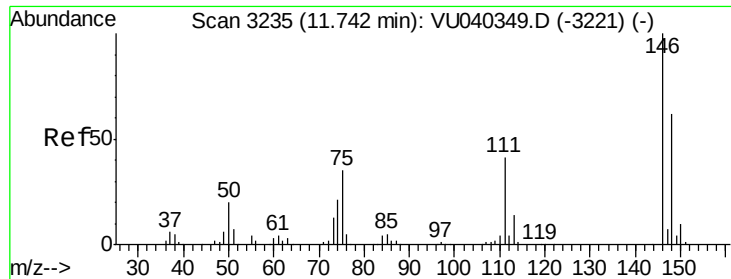


Abundance Ion 172.90 (172.60 to 173.60): VU040349.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040349.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040349.D (-2771) (-)





#62

1,3-Dichlorobenzene

Concen: 5.067 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

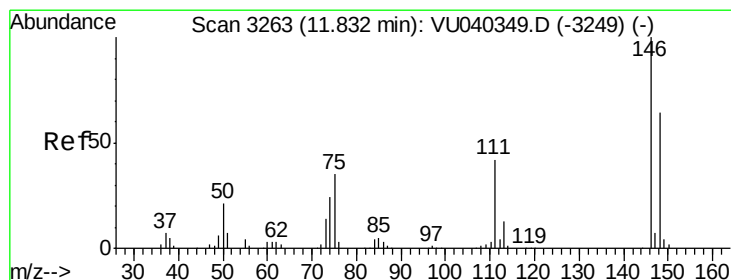
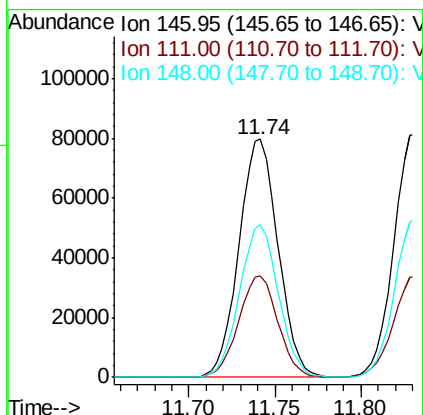
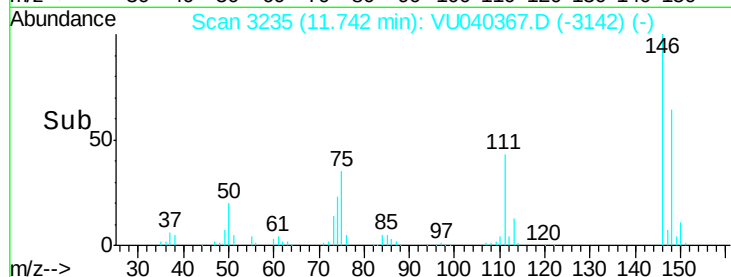
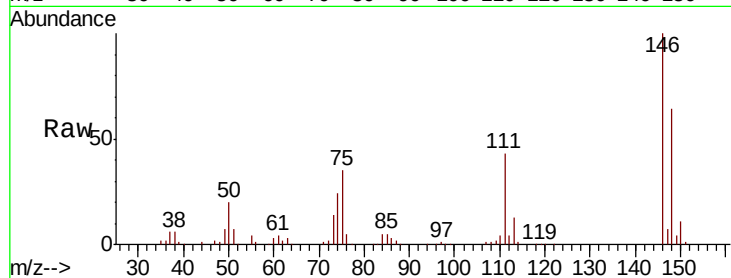
Tot Ion:146 Resp: 125649

Ion Ratio Lower Upper

146 100

111 42.6 28.6 53.0

148 64.1 43.4 80.6



#63

1,4-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

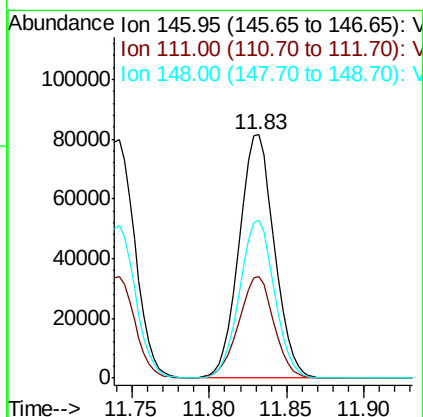
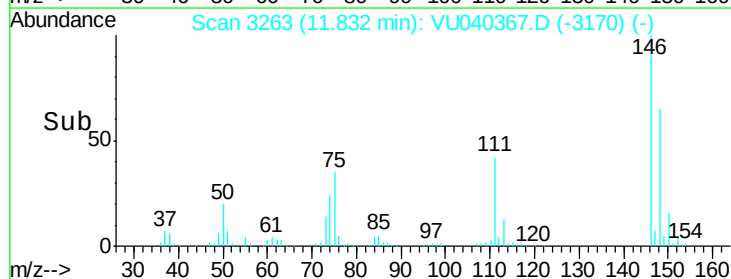
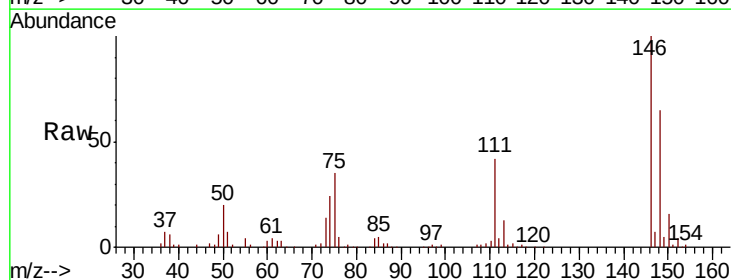
Tgt Ion:146 Resp: 129093

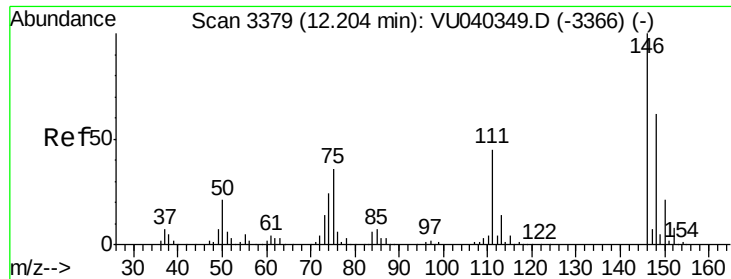
Ion Ratio Lower Upper

146 100

111 41.7 29.2 54.2

148 64.7 44.4 82.4

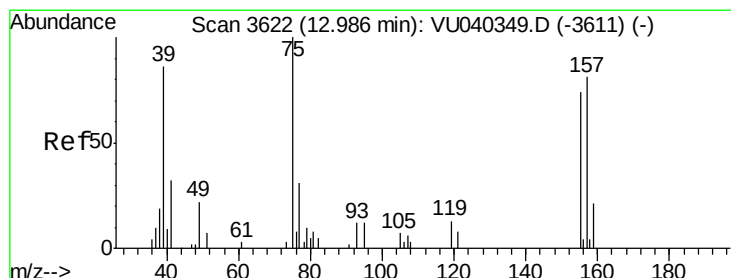
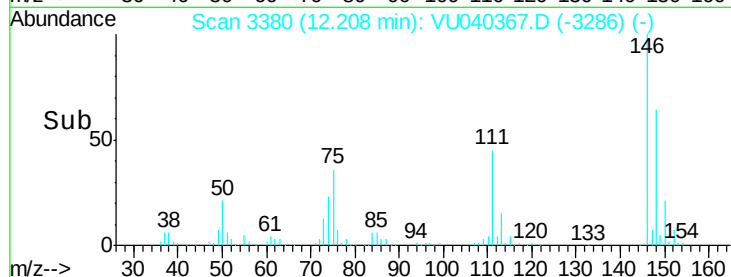
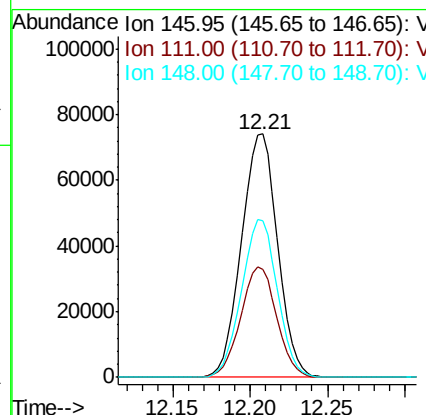
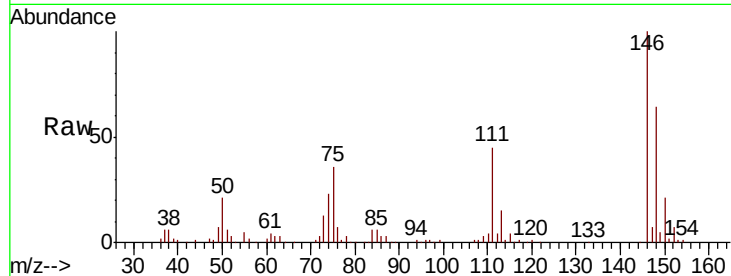




#65
 1,2-Dichlorobenzene
 Concen: 4.998 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

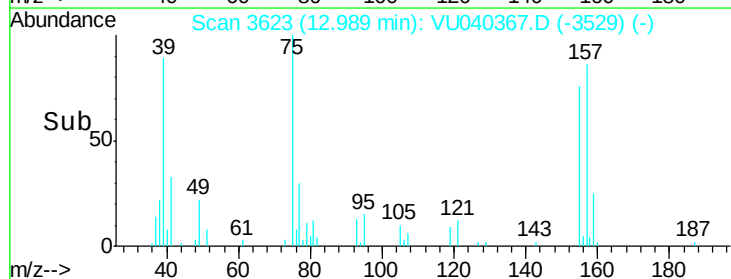
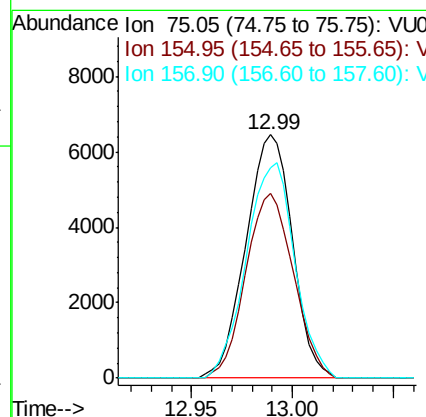
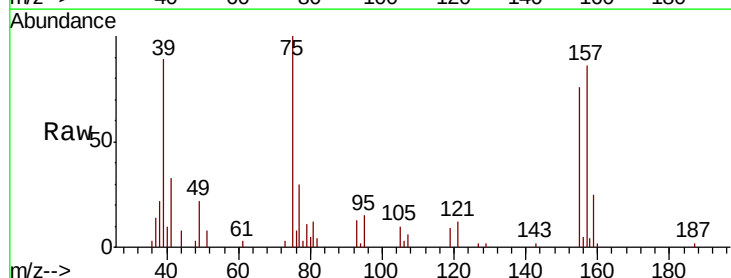
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

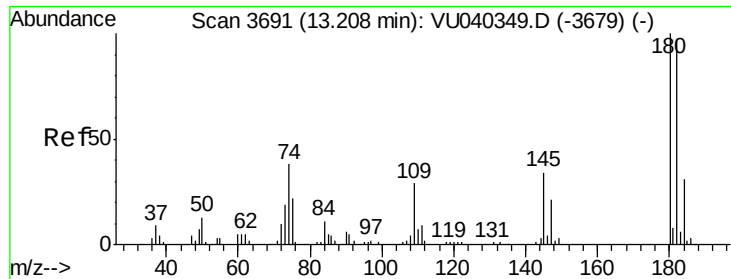
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	35.6	53.4
148	64.4	49.8	74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.810 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	59.4	89.2
157	86.3	65.0	97.4

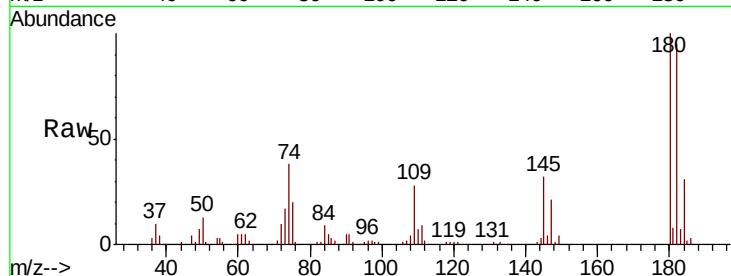




#67
 1,3,5-Trichlorobenzene
 Concen: 4.813 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.7	24.6	37.0
145	31.9	25.8	38.8



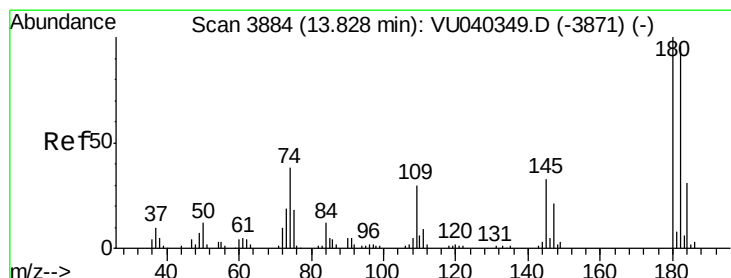
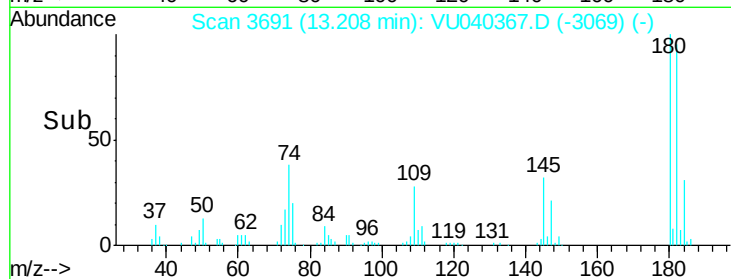
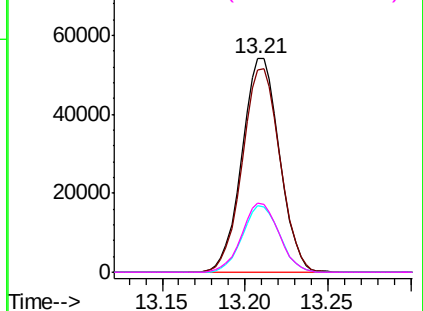
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

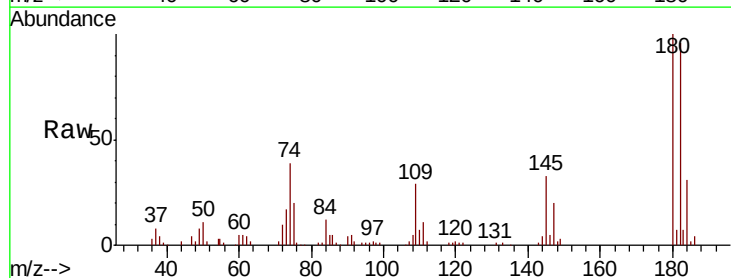
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.864 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040367.D
 Acq: 29 Sep 2020 18:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.6	115.0
145	32.0	26.3	39.5

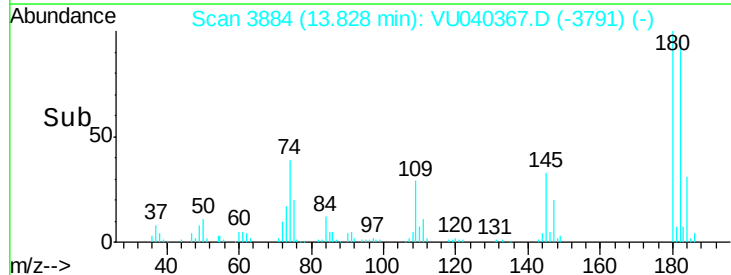
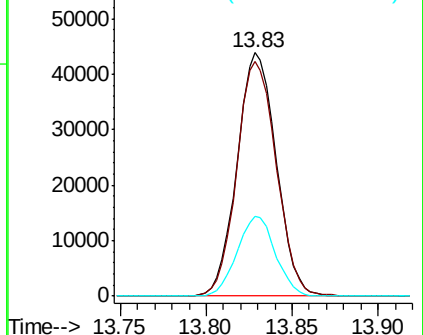


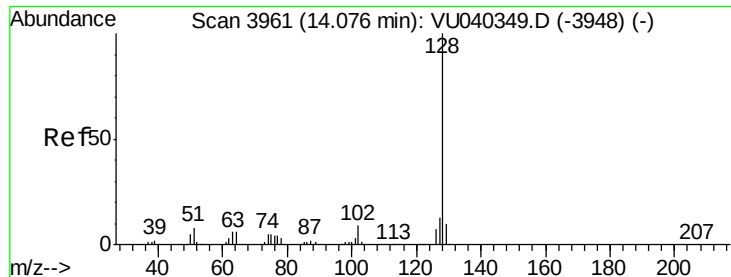
Abundance

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: 4.938 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00524

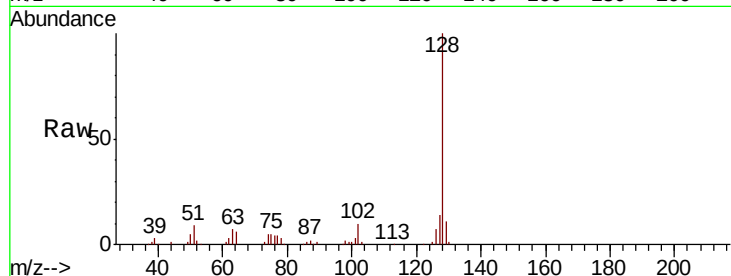
Tot Ion:128 Resp: 120034

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

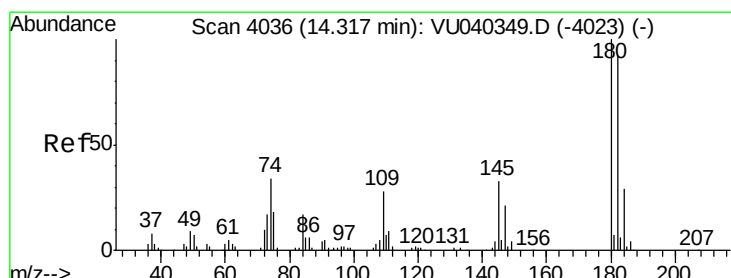
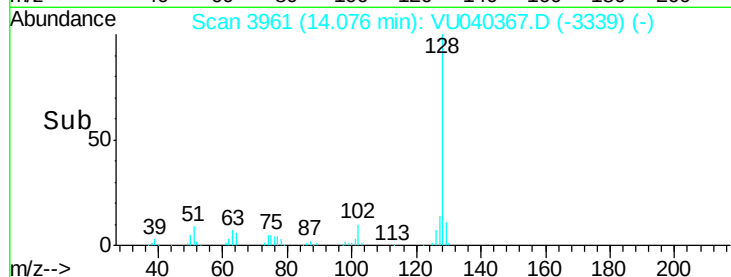
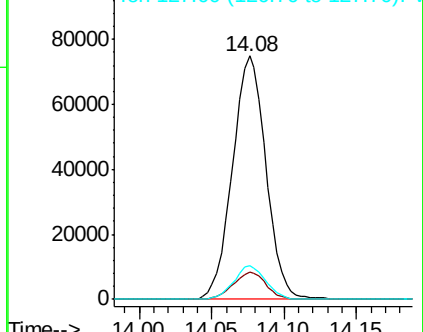
127 13.2 10.2 15.4



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: 5.214 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040367.D

Acq: 29 Sep 2020 18:24

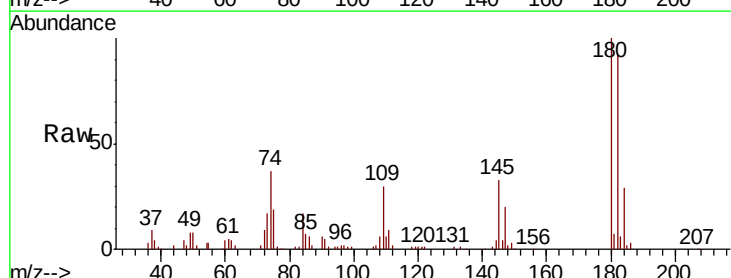
Tgt Ion:180 Resp: 67858

Ion Ratio Lower Upper

180 100

182 92.7 76.6 115.0

145 33.8 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

