

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092520\
 Data File : VU040272.D
 Acq On : 24 Sep 2020 15:28
 Operator : SY/MD
 Sample : VSTD0.501
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

Quant Time: Sep 25 02:10:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR092420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 25 02:03:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	199783	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	200516	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	95027	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	7027	0.63	ug/L	0.00
7) Chloroethane-d5	1.92	69	5750	0.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	3578	0.74	ug/L	0.00
20) 2-Butanone-d5	4.65	46	24498	8.63	ug/L	0.00
24) Chloroform-d	5.08	84	13071	0.61	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9400	0.81	ug/L	0.00
32) Benzene-d6	5.74	84	27028	0.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	9064	0.61	ug/L	0.00
41) Toluene-d8	7.90	98	22919	0.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	3406	0.57	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	14461	5.05	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	7270	0.59	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	9103	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	10537	0.665 ug/L	98
3) Chloromethane	1.53	50	10442	0.635 ug/L	99
5) Vinyl chloride	1.61	62	10262	0.594 ug/L	93
6) Bromomethane	1.87	94	5450	0.551 ug/L	97
8) Chloroethane	1.94	64	6278	0.583 ug/L	93
9) Trichlorofluoromethane	2.15	101	15003	0.720 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	8512	0.661 ug/L	94
12) 1,1-Dichloroethene	2.59	96	7954	0.635 ug/L	92
13) Acetone	2.66	43	19261	8.513 ug/L	99
14) Carbon disulfide	2.81	76	29917	0.738 ug/L #	93
15) Methyl Acetate	2.97	43	5175	0.924 ug/L #	89
16) Methylene chloride	3.06	84	12412	0.731 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	19521	0.608 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	8594	0.640 ug/L	94
19) 1,1-Dichloroethane	3.89	63	16418	0.680 ug/L	98
21) 2-Butanone	4.73	43	28006	7.714 ug/L	87
22) cis-1,2-Dichloroethene	4.68	96	8468	0.572 ug/L	94
23) Bromochloromethane	4.99	128	4360	0.687 ug/L #	89
25) Chloroform	5.10	83	16482	0.681 ug/L	91
27) 1,2-Dichloroethane	5.81	62	11909	0.756 ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	13907	0.646 ug/L	99
30) Cyclohexane	5.40	56	14091	0.577 ug/L	97
31) Carbon tetrachloride	5.54	117	11365	0.621 ug/L	93
33) Benzene	5.79	78	33083	0.560 ug/L	100
34) Trichloroethene	6.55	95	8411	0.541 ug/L	87
35) Methylcyclohexane	6.77	83	12168	0.466 ug/L	94
37) 1,2-Dichloropropane	6.80	63	9803	0.662 ug/L #	97
38) Bromodichloromethane	7.11	83	11262	0.614 ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	11723	0.522 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	62087	6.619 ug/L	98

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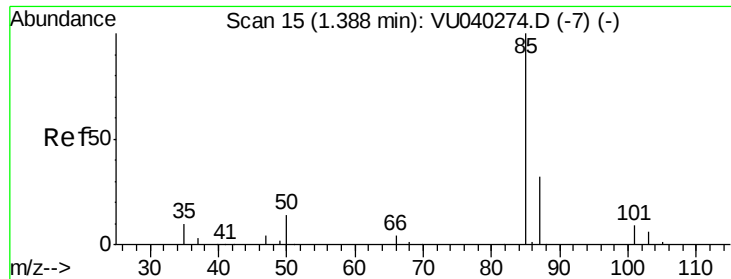
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	32200	0.502	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	10892	0.599	ug/L	90
45) 1,1,2-Trichloroethane	8.41	97	6494	0.599	ug/L	96
47) Tetrachloroethene	8.56	164	6418	0.522	ug/L	92
48) 2-Hexanone	8.69	43	44458	6.687	ug/L	99
49) Dibromochloromethane	8.81	129	7094	0.568	ug/L	92
50) 1,2-Dibromoethane	8.93	107	6427	0.604	ug/L #	88
51) Chlorobenzene	9.45	112	22670	0.555	ug/L	94
52) Ethylbenzene	9.57	91	34823	0.499	ug/L	95
53) m,p-Xylene	9.69	106	12347	0.462	ug/L	100
54) o-Xylene	10.10	106	11923	0.457	ug/L	96
55) Styrene	10.11	104	19186	0.442	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	8287	0.596	ug/L	98
59) Bromoform	10.29	173	3879	0.583	ug/L #	90
60) Isopropylbenzene	10.48	105	30838	0.474	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	6765	0.713	ug/L	97
62) 1,3,5-Trimethylbenzene	11.09	105	23005	0.416	ug/L	100
63) 1,2,4-Trimethylbenzene	11.46	105	22216	0.402	ug/L	94
64) 1,3-Dichlorobenzene	11.74	146	17159	0.563	ug/L	94
65) 1,4-Dichlorobenzene	11.83	146	18048	0.587	ug/L	95
67) 1,2-Dichlorobenzene	12.21	146	15582	0.531	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.99	75	1588	0.779	ug/L	90
69) 1,3,5-Trichlorobenzene	13.21	180	11615	0.507	ug/L	96
70) 1,2,4-trichlorobenzene	13.83	180	8371	0.491	ug/L	92
71) Naphthalene	14.07	128	12679	0.498	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	7270	0.473	ug/L	94

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

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#2

Dichlorodifluoromethane

Concen: 0.665 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

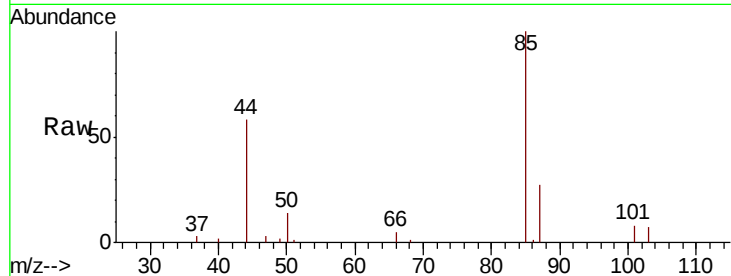
VSTD0.5101

Tot Ion: 85 Resp: 10537

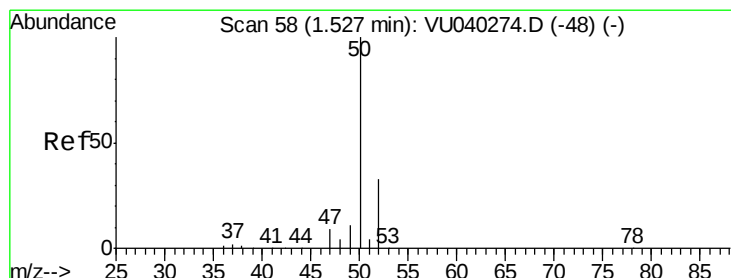
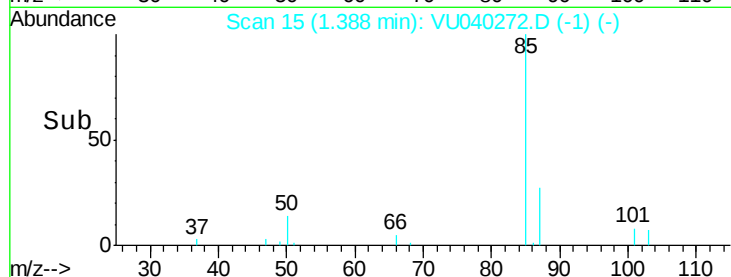
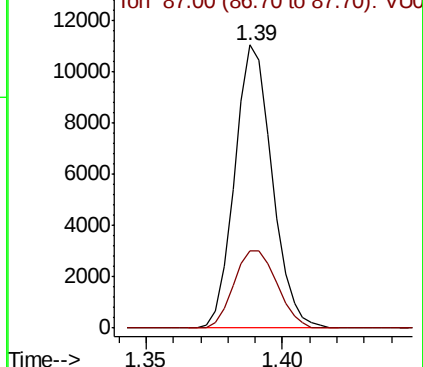
Ion Ratio Lower Upper

85 100

87 31.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040272.D (-7) (-)



#3

Chloromethane

Concen: 0.635 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040272.D

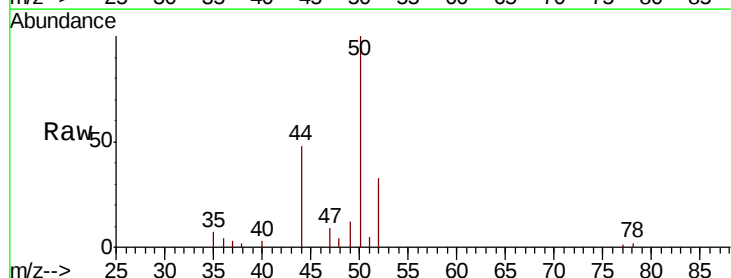
Acq: 24 Sep 2020 15:28

Tgt Ion: 50 Resp: 10442

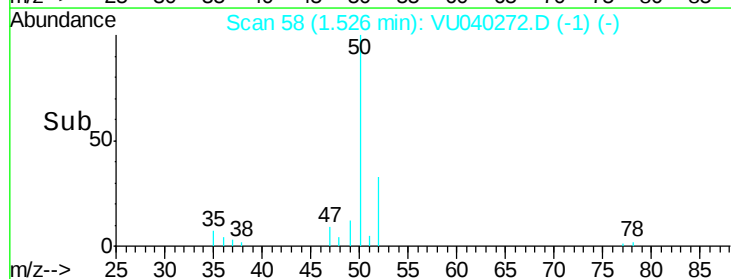
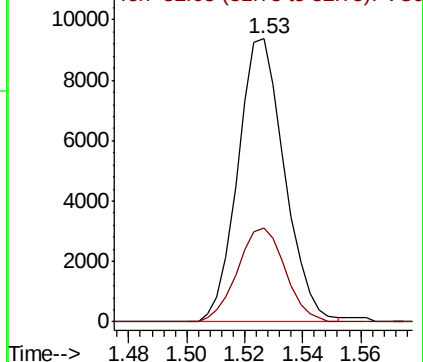
Ion Ratio Lower Upper

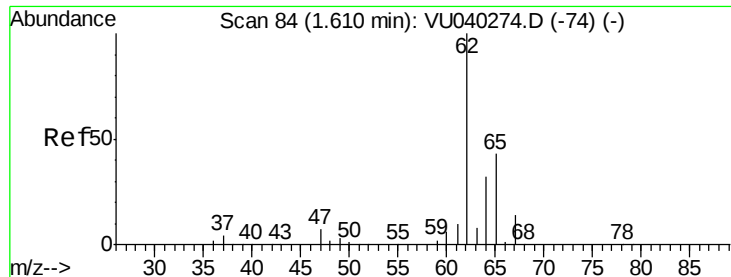
50 100

52 33.2 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU040272.D (-48) (-)





#5

Vinyl chloride

Concen: 0.594 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

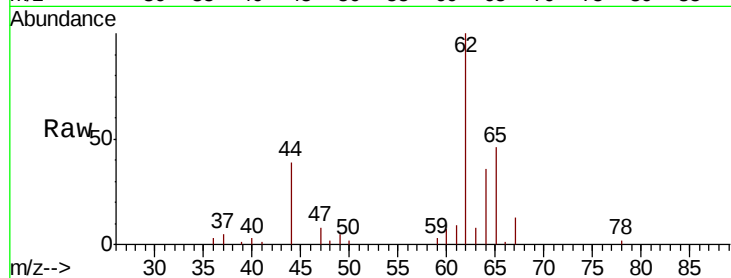
VSTD0.5101

Tot Ion: 62 Resp: 10262

Ion Ratio Lower Upper

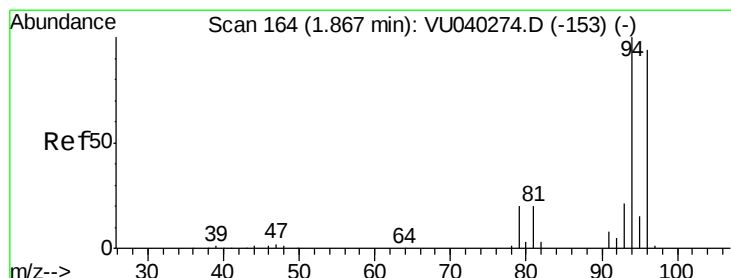
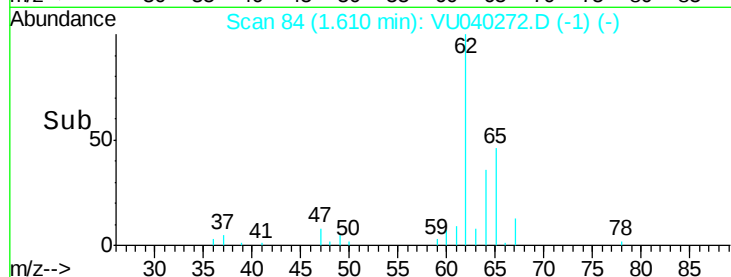
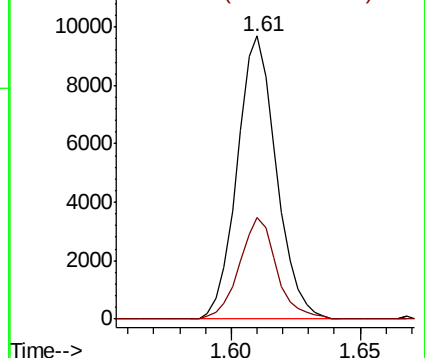
62 100

64 35.7 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.551 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040272.D

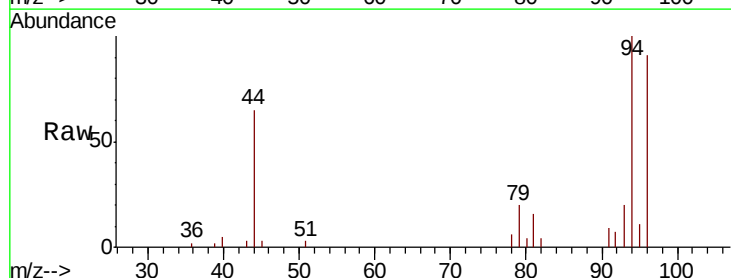
Acq: 24 Sep 2020 15:28

Tgt Ion: 94 Resp: 5450

Ion Ratio Lower Upper

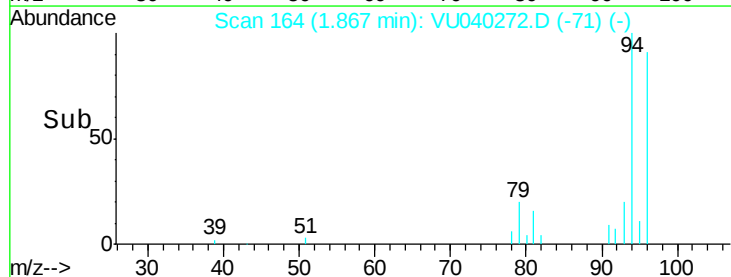
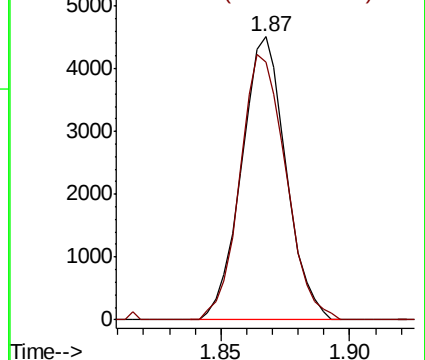
94 100

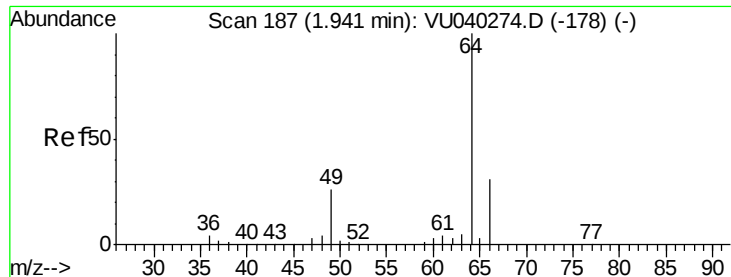
96 91.1 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.583 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

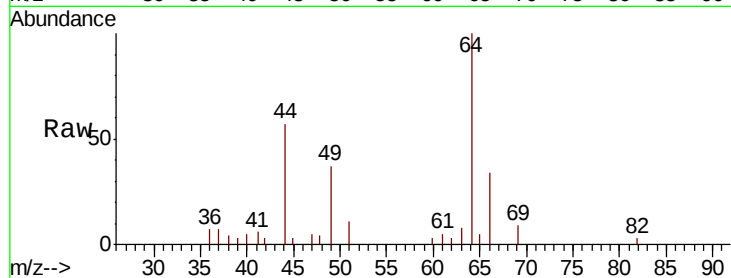
VSTD0.5101

Tot Ion: 64 Resp: 6278

Ion Ratio Lower Upper

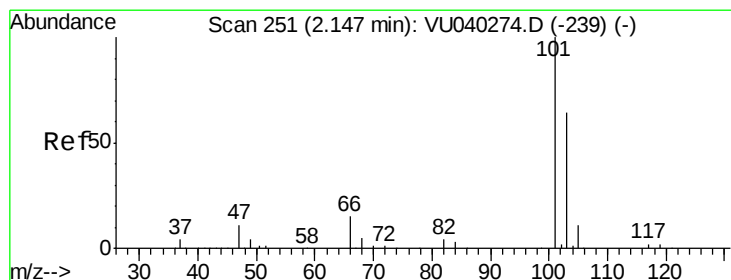
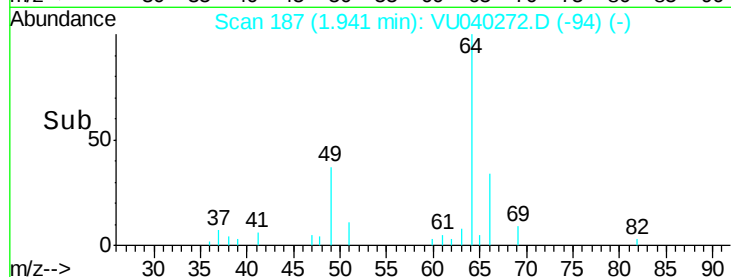
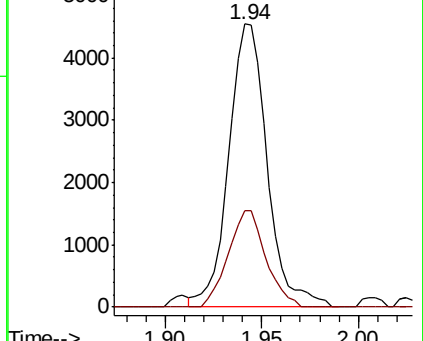
64 100

66 34.3 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040272.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040272.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 0.720 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040272.D

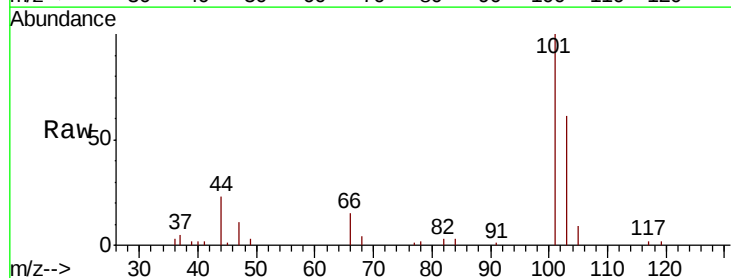
Acq: 24 Sep 2020 15:28

Tgt Ion: 101 Resp: 15003

Ion Ratio Lower Upper

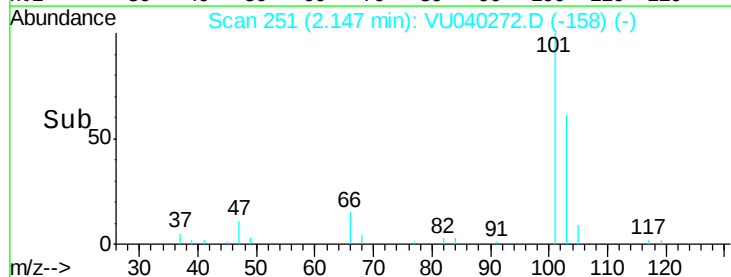
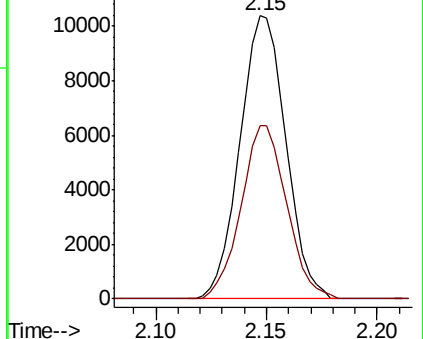
101 100

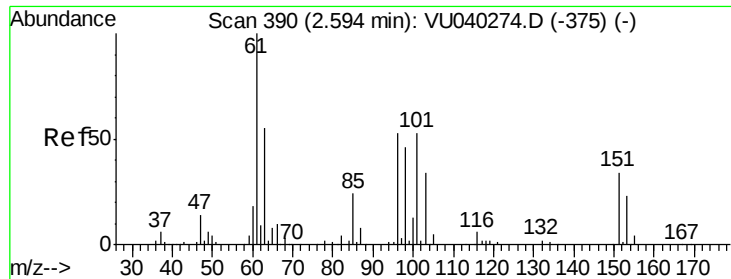
103 60.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU040272.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040272.D (-239) (-)





#10

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

Concen: 0.661 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

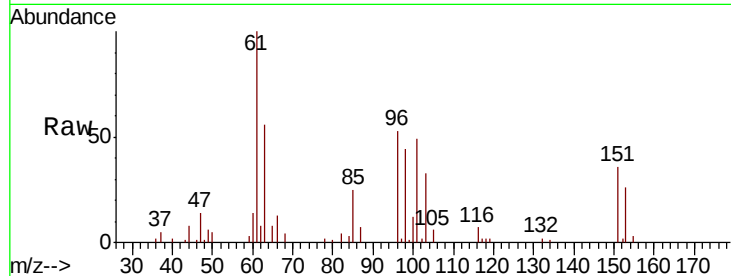
Tot Ion:101 Resp: 8512

Ion Ratio Lower Upper

101 100

85 48.4 36.7 55.1

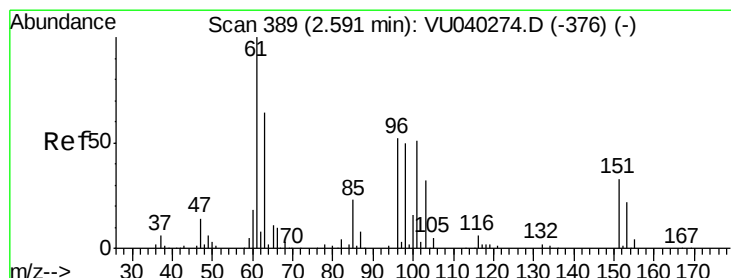
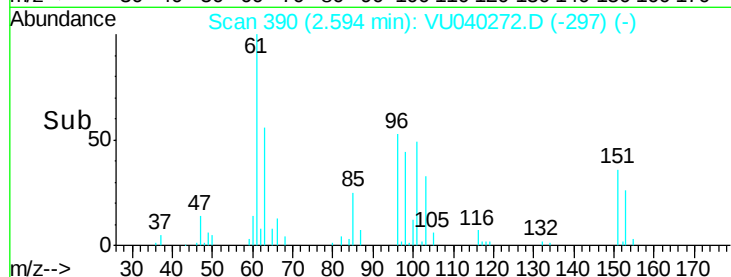
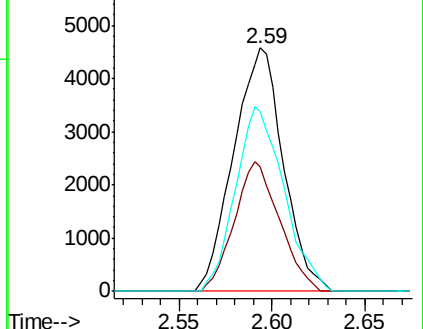
151 73.8 54.5 81.7



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: 0.635 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

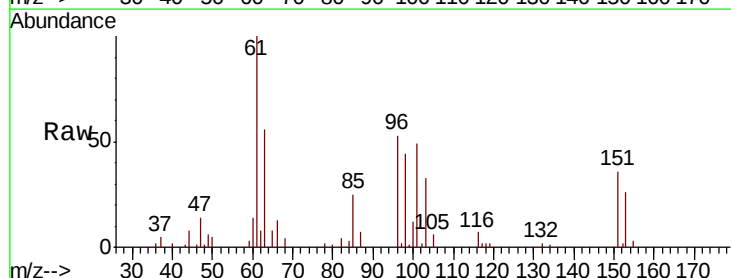
Tgt Ion: 96 Resp: 7954

Ion Ratio Lower Upper

96 100

61 189.1 134.3 249.3

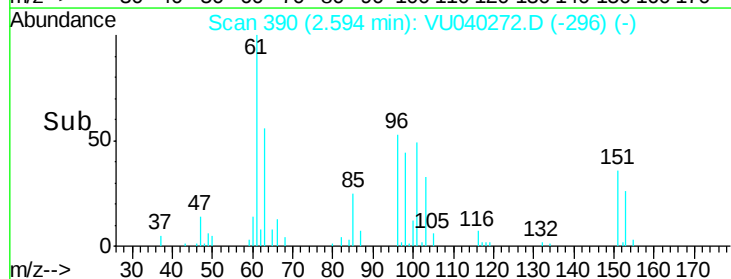
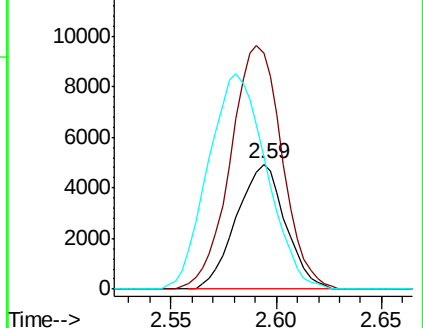
63 106.5 88.5 164.4

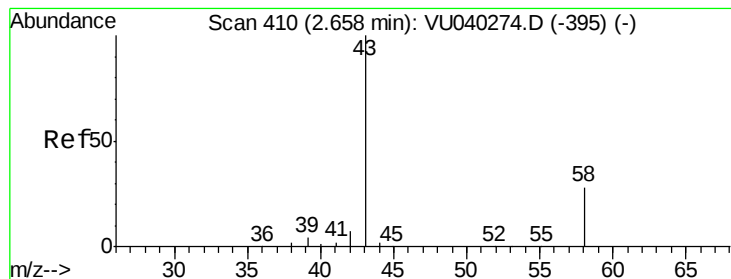


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.513 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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Acq: 24 Sep 2020 15:28

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ClientSampleId :

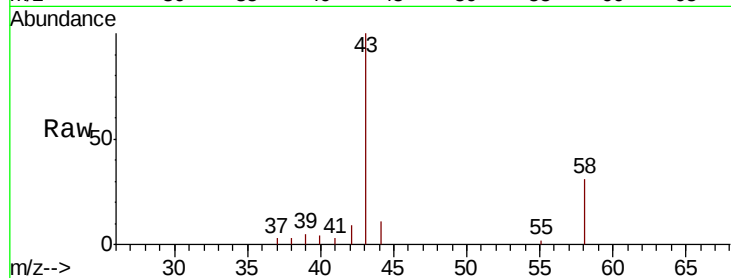
VSTD0.5101

Tot Ion: 43 Resp: 19261

Ion Ratio Lower Upper

43 100

58 29.0 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VU040274.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VU040274.D (-395) (-)

2.66

6000

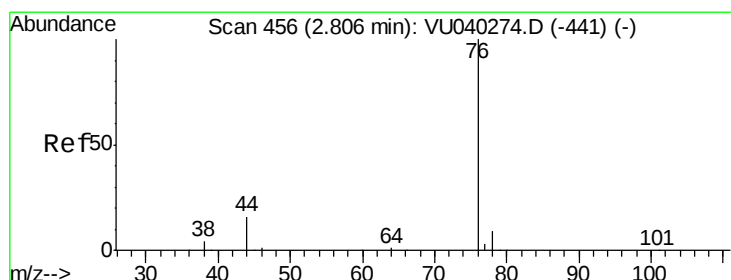
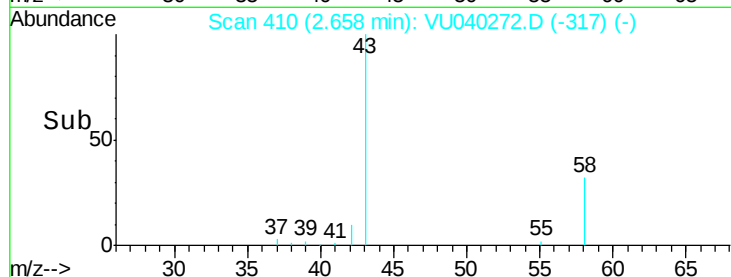
4000

2000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 0.738 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040272.D

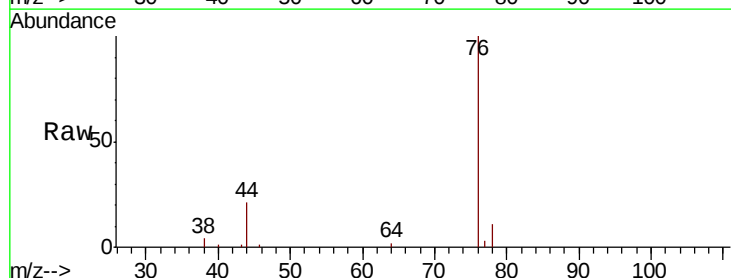
Acq: 24 Sep 2020 15:28

Tgt Ion: 76 Resp: 29917

Ion Ratio Lower Upper

76 100

78 11.2 6.9 10.3#



Abundance Ion 76.05 (75.75 to 76.75): VU040274.D (-441) (-)

Ion 78.00 (77.70 to 78.70): VU040274.D (-441) (-)

2.81

20000

15000

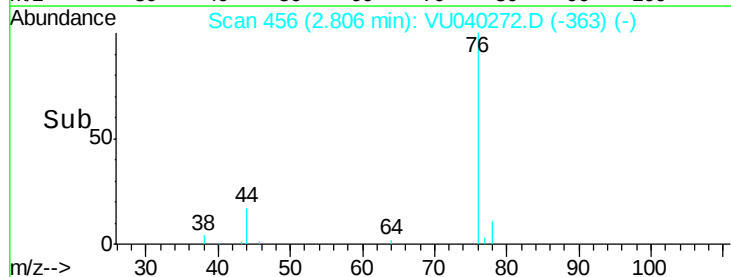
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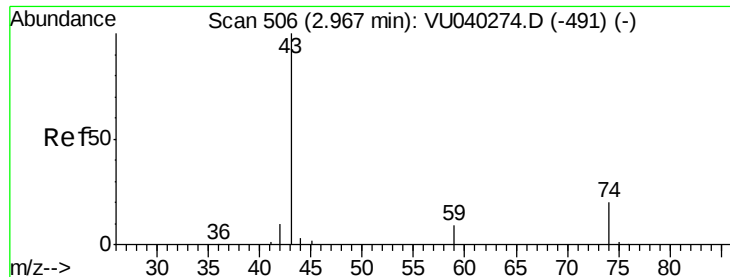
5000

0

Time-->

2.75 2.80 2.85

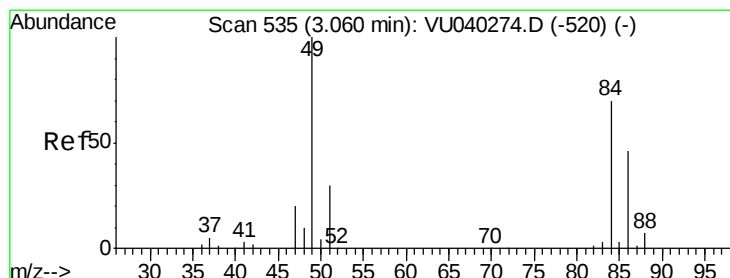
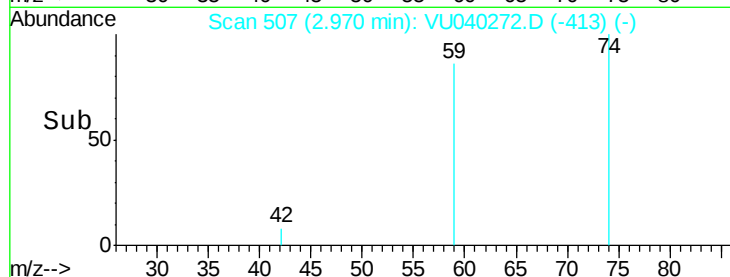
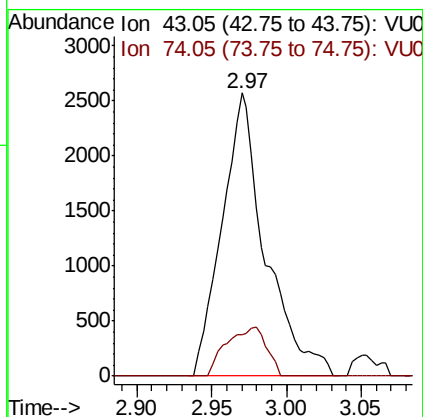
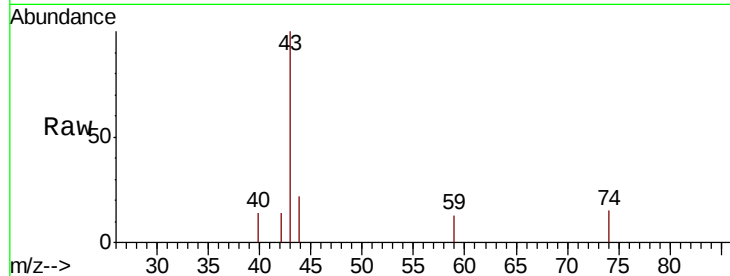




#15
Methvl Acetate
Concen: 0.924 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

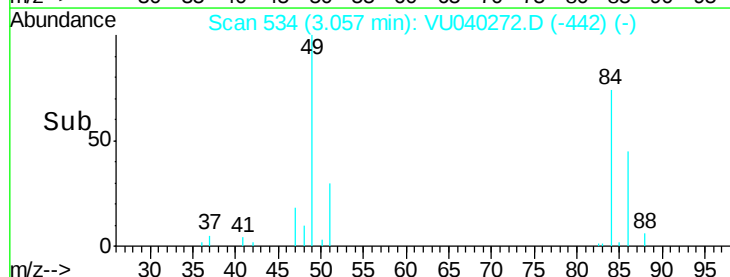
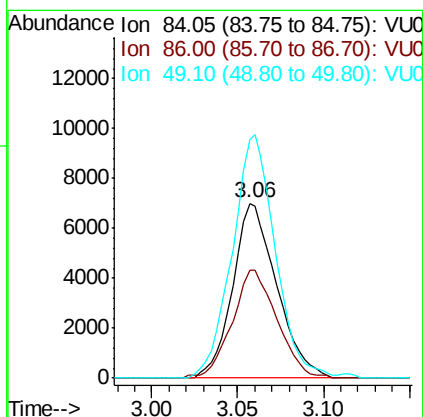
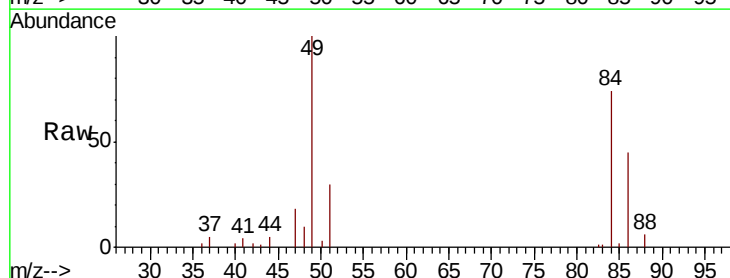
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

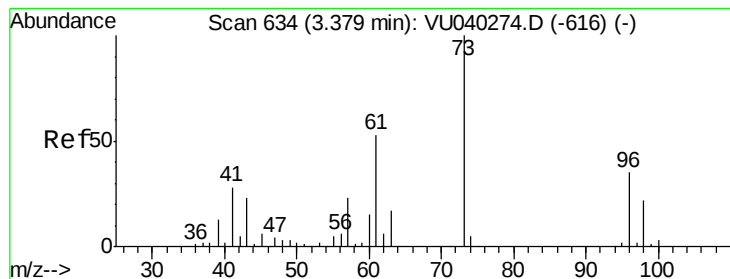
Tot Ion: 43 Resp: 5175
Ion Ratio Lower Upper
43 100
74 15.9 16.9 25.3#



#16
Methylene chloride
Concen: 0.731 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion: 84 Resp: 12412
Ion Ratio Lower Upper
84 100
86 61.6 45.8 85.0
49 136.0 100.4 186.4





#17

Methvl tert-butvl Ether

Concen: 0.608 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

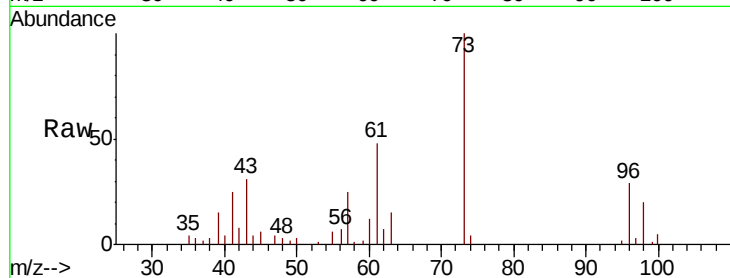
Tot Ion: 73 Resp: 19521

Ion Ratio Lower Upper

73 100

43 25.4 19.0 28.6

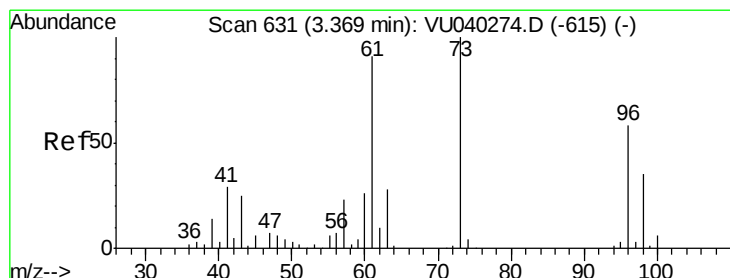
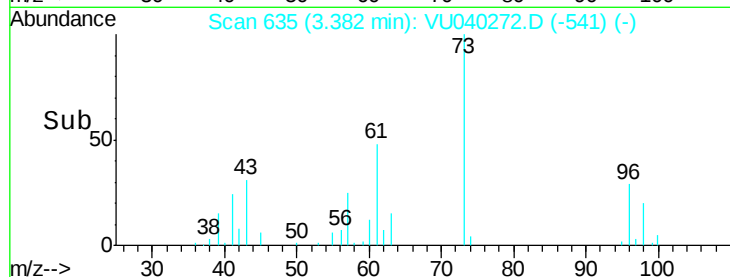
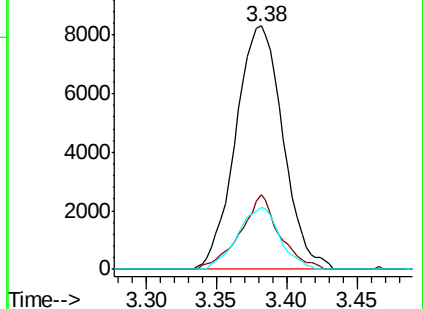
57 22.7 18.6 27.8



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: 0.640 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

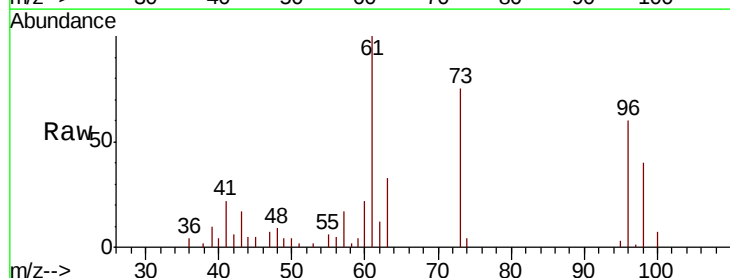
Tgt Ion: 96 Resp: 8594

Ion Ratio Lower Upper

96 100

61 166.2 110.7 205.5

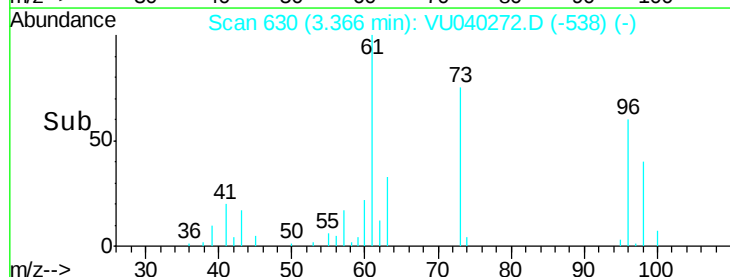
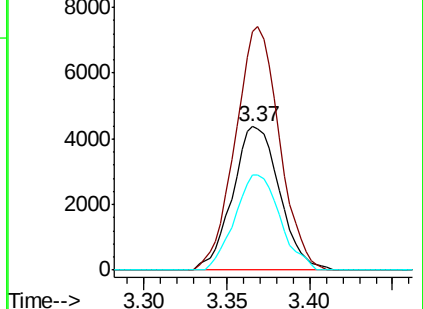
98 66.2 43.1 80.1

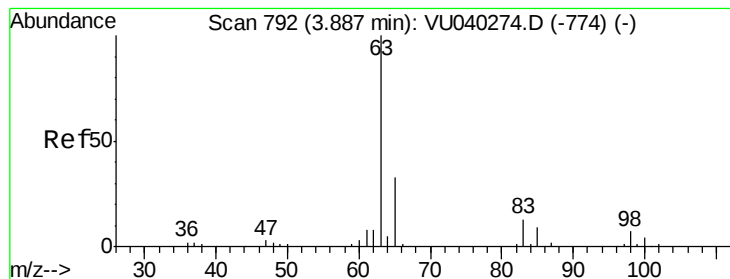


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.680 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

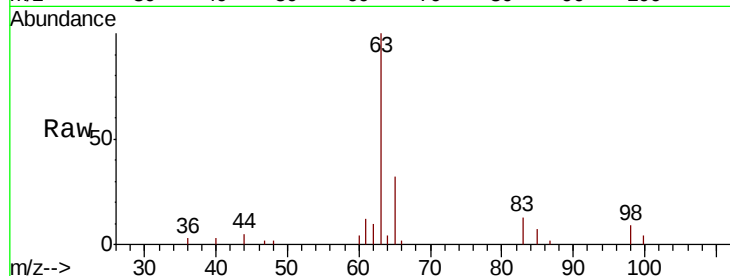
Tot Ion: 63 Resp: 16418

Ion Ratio Lower Upper

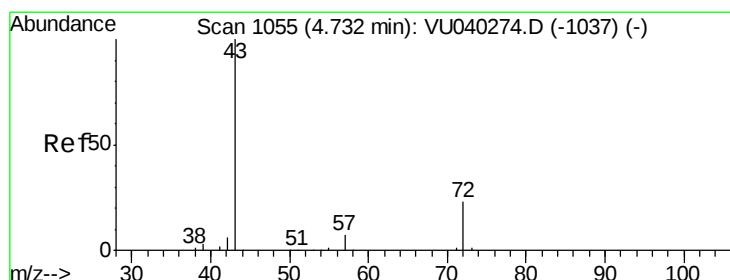
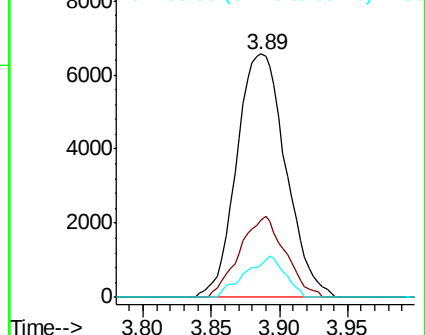
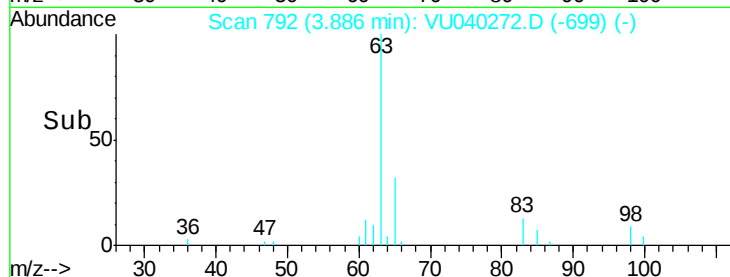
63 100

65 31.8 23.0 42.6

83 13.3 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU040272.D (-699) (-)



#21

2-Butanone

Concen: 7.714 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU040272.D

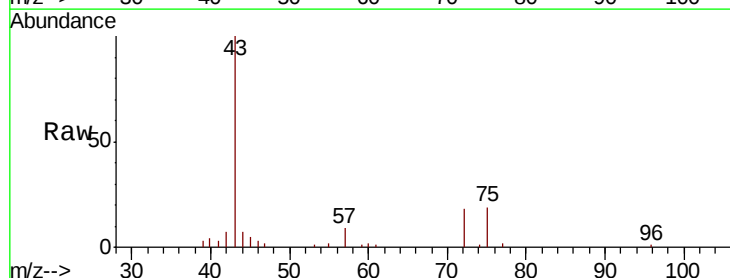
Acq: 24 Sep 2020 15:28

Tgt Ion: 43 Resp: 28006

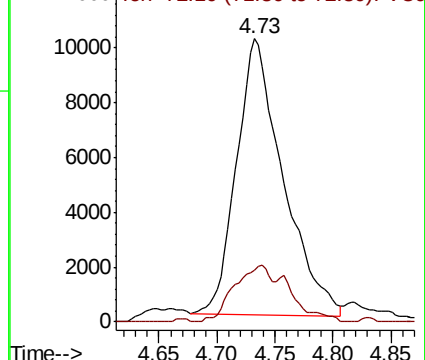
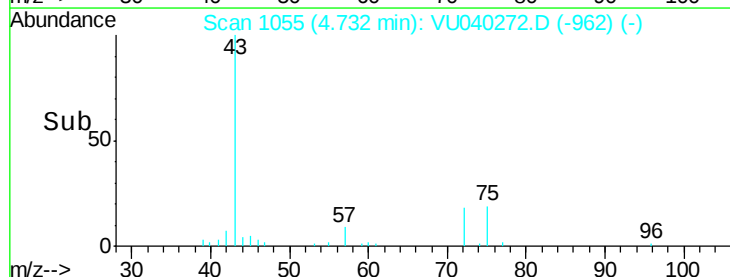
Ion Ratio Lower Upper

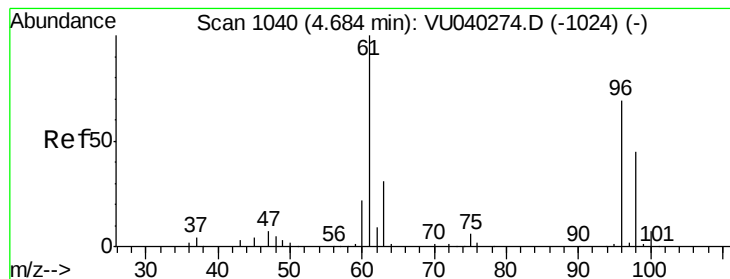
43 100

72 17.0 11.8 35.3



Abundance Ion 43.05 (42.75 to 43.75): VU040272.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.572 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

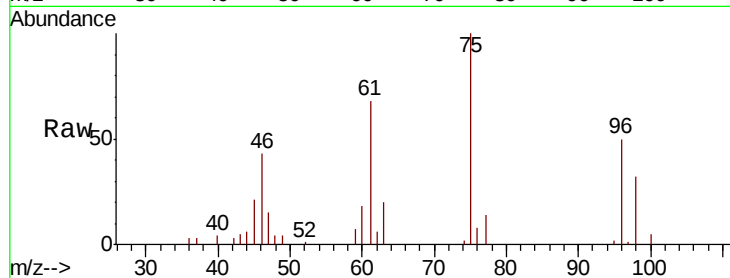
Tot Ion: 96 Resp: 8468

Ion Ratio Lower Upper

96 100

61 135.4 101.9 189.3

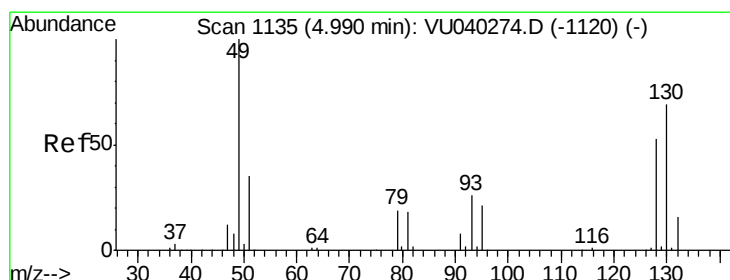
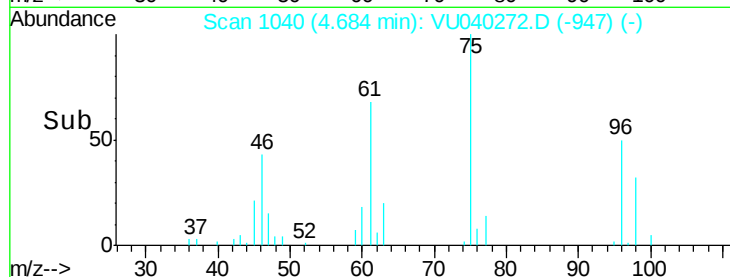
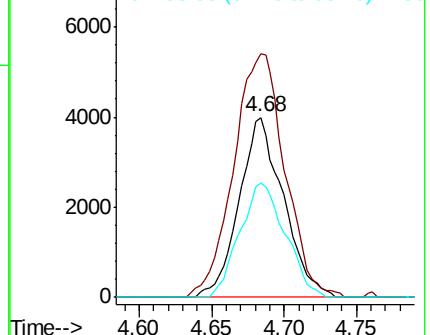
98 63.6 46.0 85.4



Abundance Ion 96.00 (95.70 to 96.70): VU040272.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040272.D (-947) (-)

Ion 98.00 (97.70 to 98.70): VU040272.D (-947) (-)



#23

Bromochloromethane

Concen: 0.687 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Tgt Ion: 128 Resp: 4360

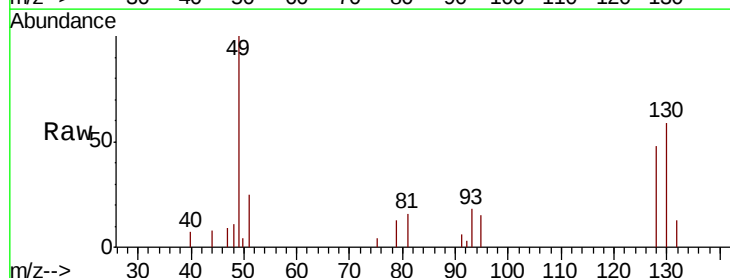
Ion Ratio Lower Upper

128 100

49 208.6 133.0 247.0

130 123.3 91.8 170.6

51 52.8 53.3 79.9#

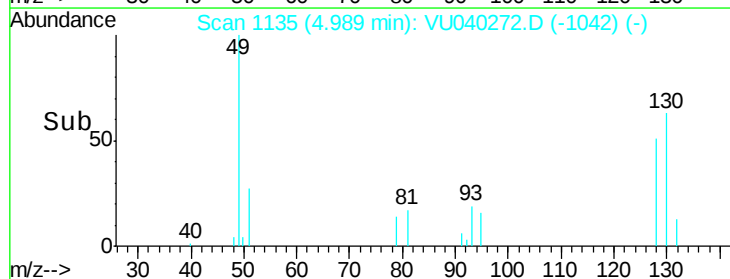
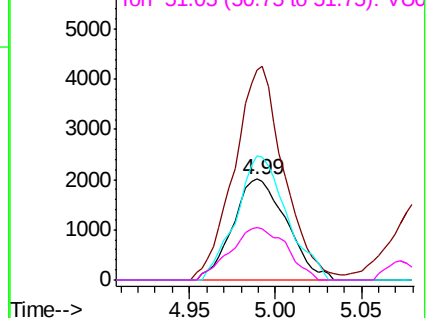


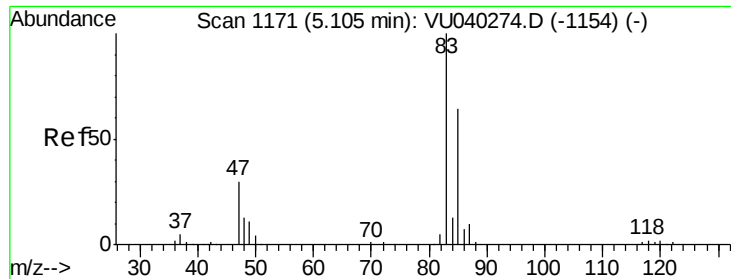
Abundance Ion 127.90 (127.60 to 128.60): VU040272.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040272.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040272.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040272.D (-1042) (-)

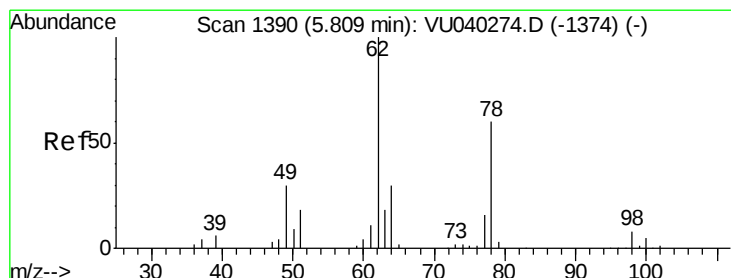
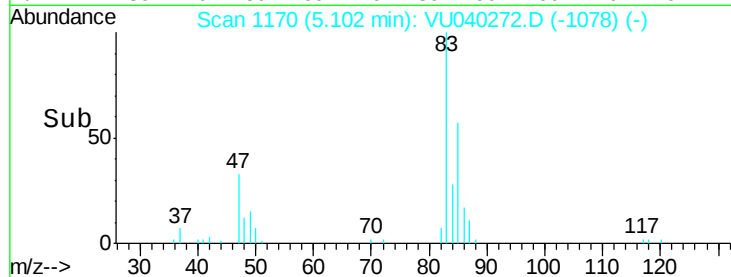
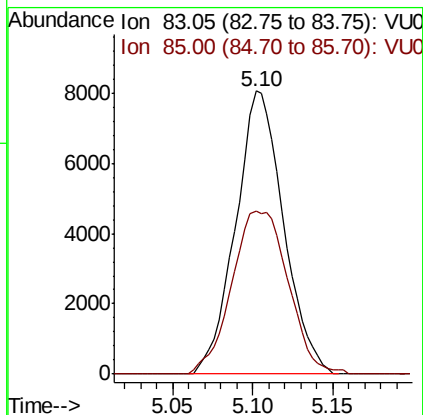
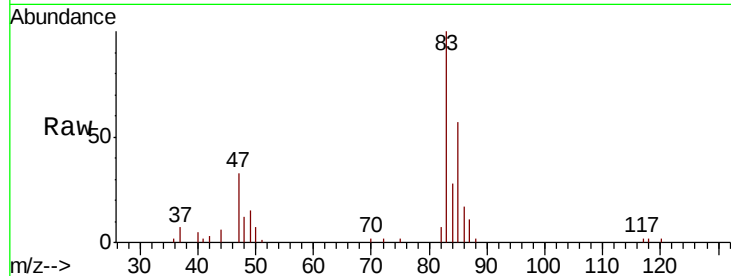




#25
Chloroform
Concen: 0.681 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

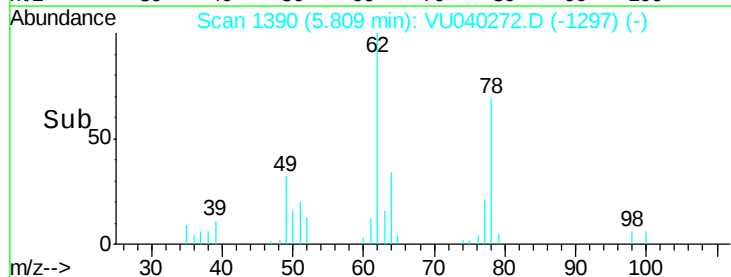
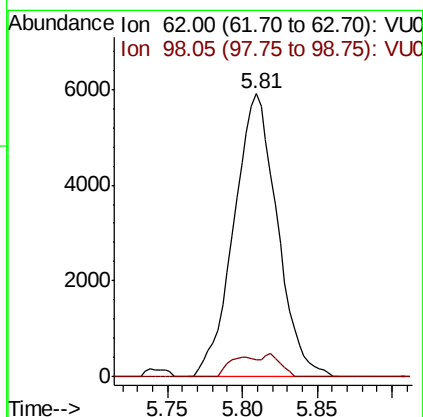
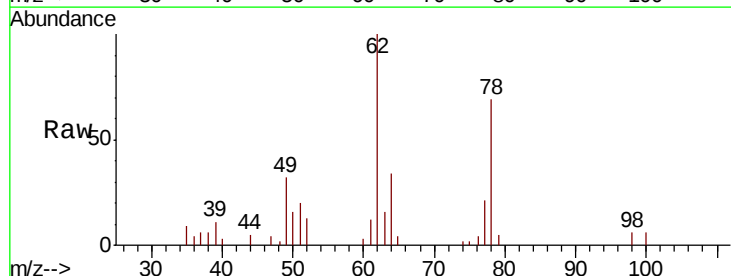
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

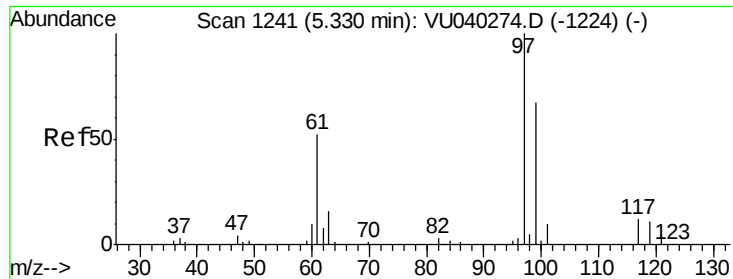
Tot Ion: 83 Resp: 16482
Ion Ratio Lower Upper
83 100
85 57.4 45.2 84.0



#27
1,2-Dichloroethane
Concen: 0.756 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion: 62 Resp: 11909
Ion Ratio Lower Upper
62 100
98 5.9 6.5 9.7#

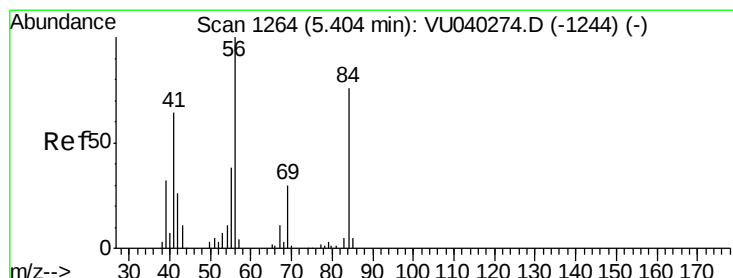
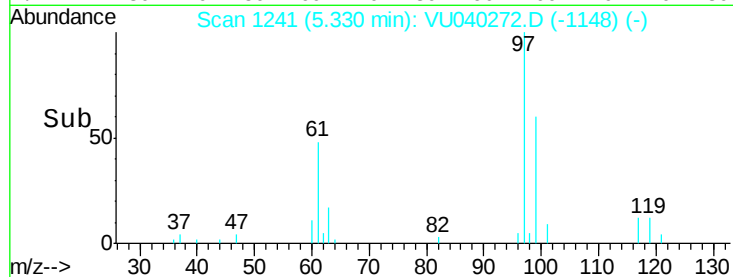
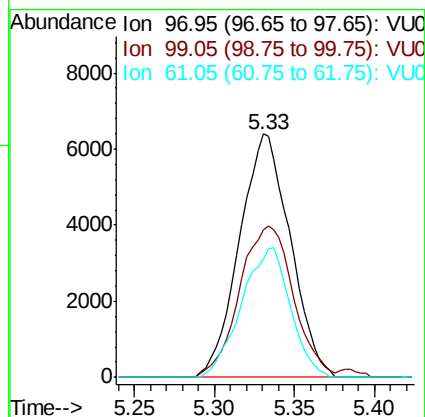
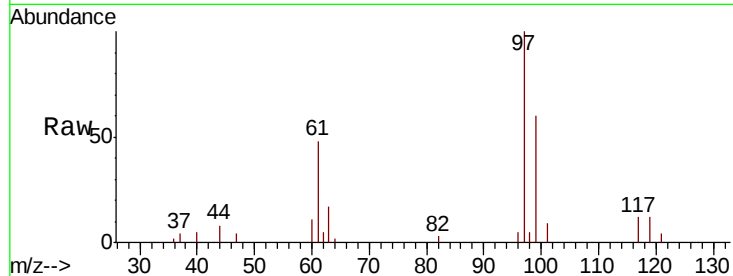




#29
 1,1,1-Trichloroethane
 Concen: 0.646 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

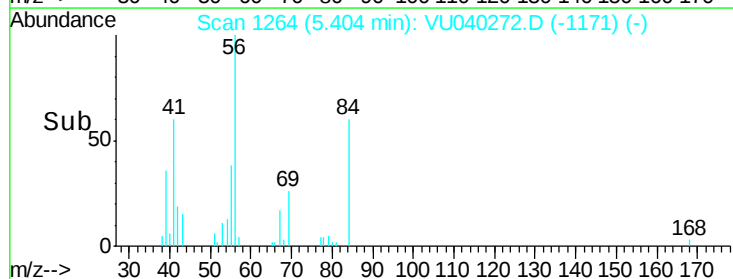
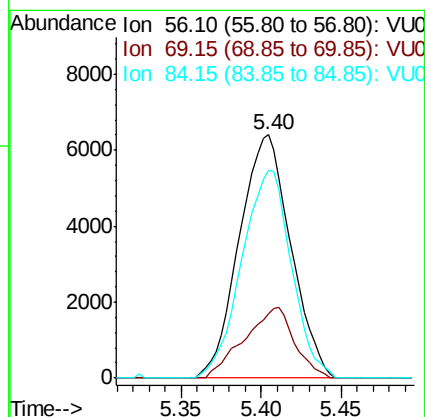
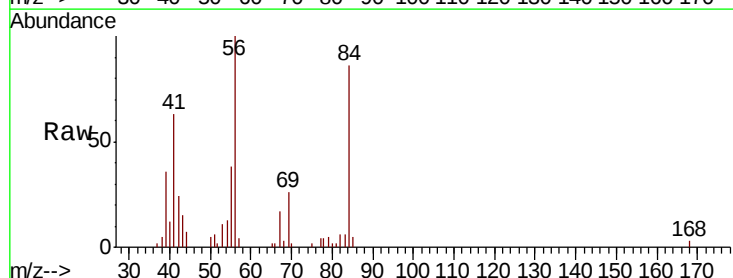
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

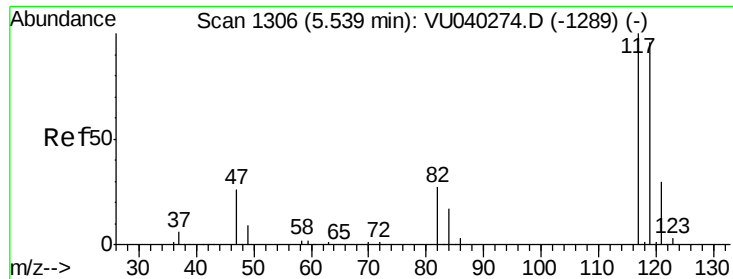
Tot Ion: 97 Resp: 13907
 Ion Ratio Lower Upper
 97 100
 99 66.1 52.1 78.1
 61 51.2 40.2 60.4



#30
 Cyclohexane
 Concen: 0.577 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion: 56 Resp: 14091
 Ion Ratio Lower Upper
 56 100
 69 28.3 23.0 34.6
 84 82.6 63.3 94.9

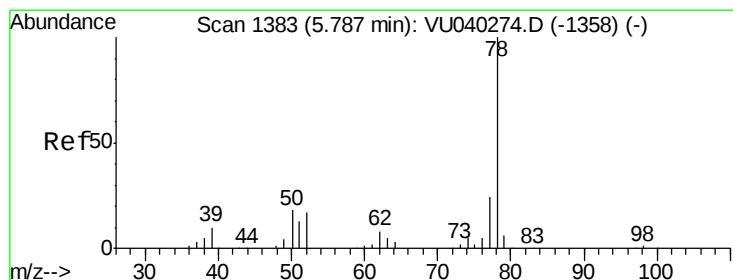
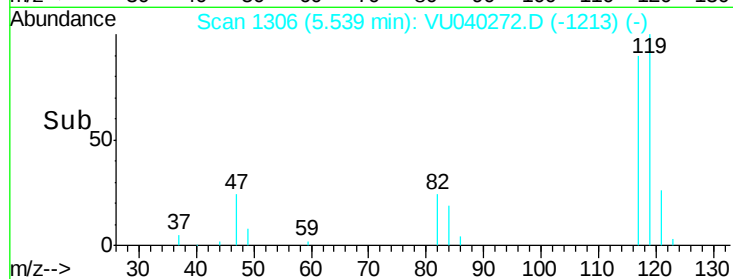
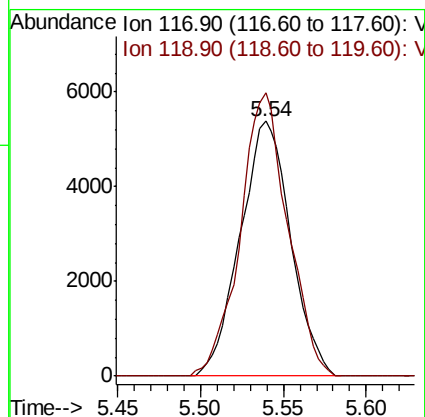
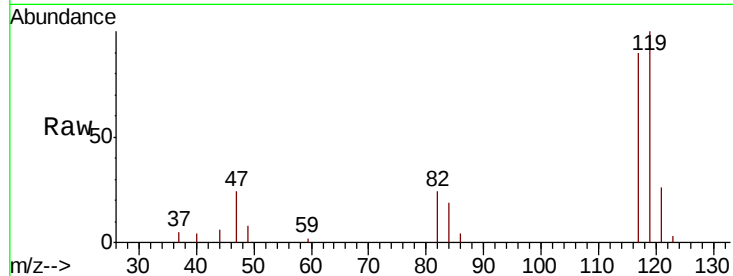




#31
Carbon tetrachloride
Concen: 0.621 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

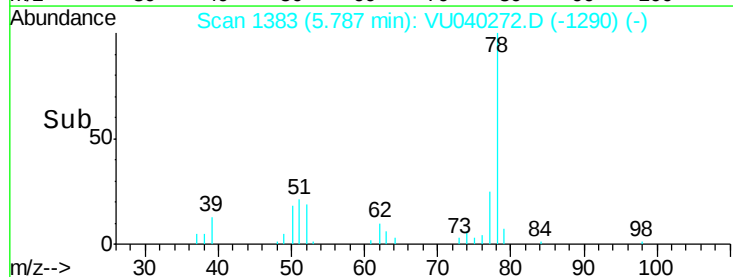
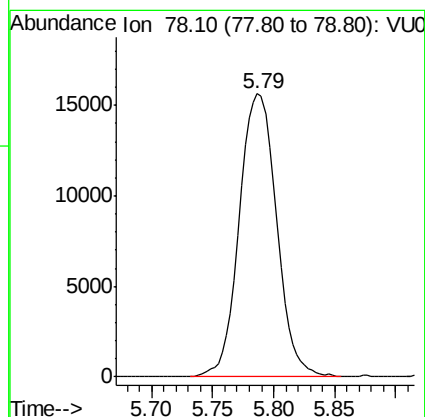
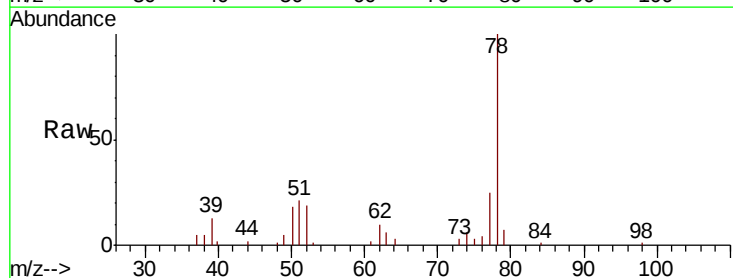
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

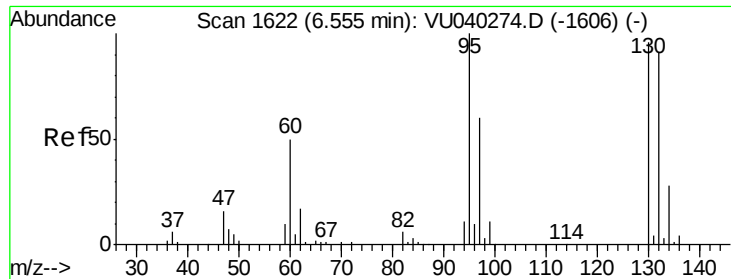
Tot Ion:117 Resp: 11365
Ion Ratio Lower Upper
117 100
119 104.9 78.6 117.8



#33
Benzene
Concen: 0.560 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion: 78 Resp: 33083

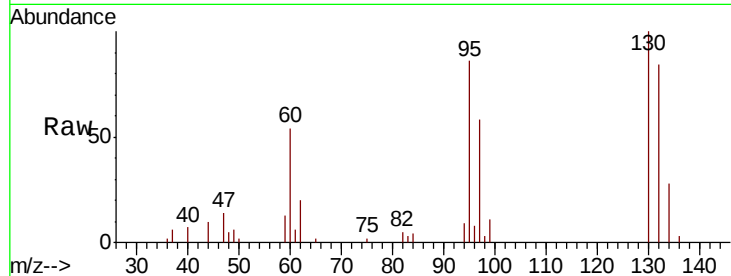




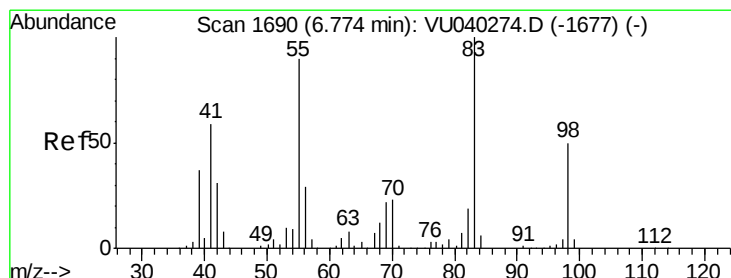
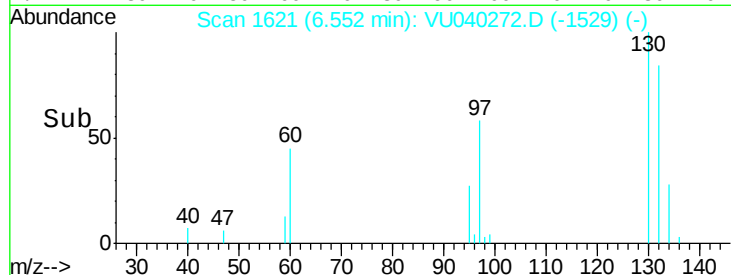
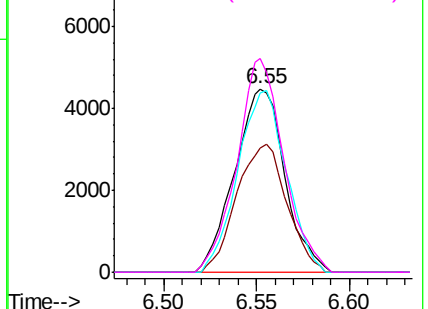
#34
 Trichloroethene
 Concen: 0.541 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

Tot Ion:	95	Resp:	8411
Ion	Ratio	Lower	Upper
95	100		
97	67.9	42.1	78.3
132	97.7	63.8	118.4
130	116.5	67.3	125.1

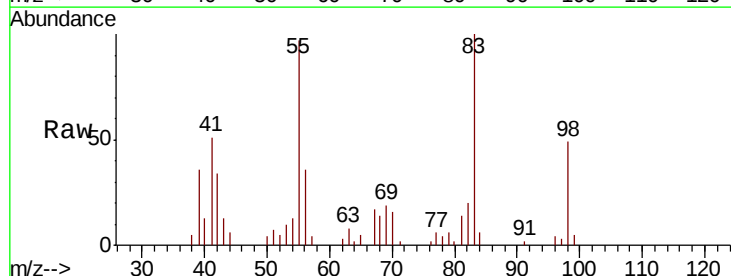


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

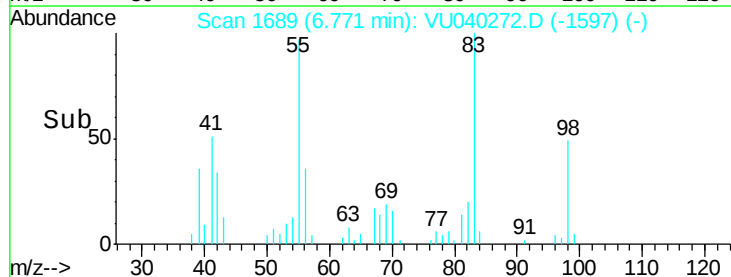
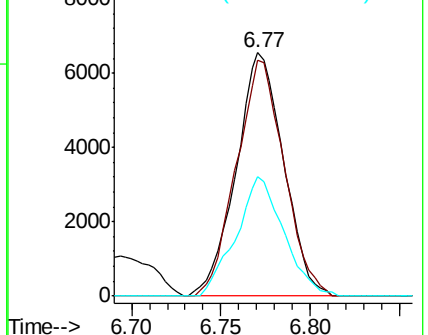


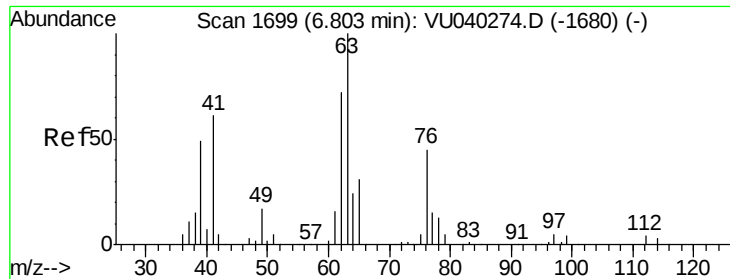
#35
 Methylcyclohexane
 Concen: 0.466 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion:	83	Resp:	12168
Ion	Ratio	Lower	Upper
83	100		
55	97.5	71.7	107.5
98	49.1	38.6	58.0



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

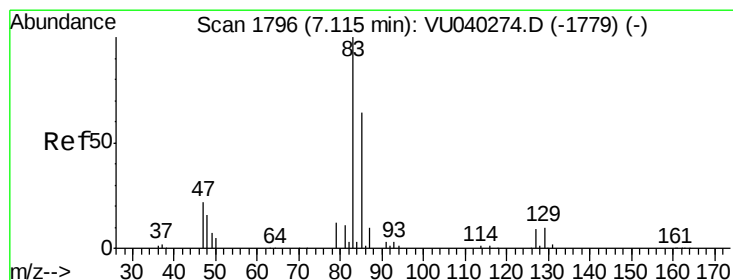
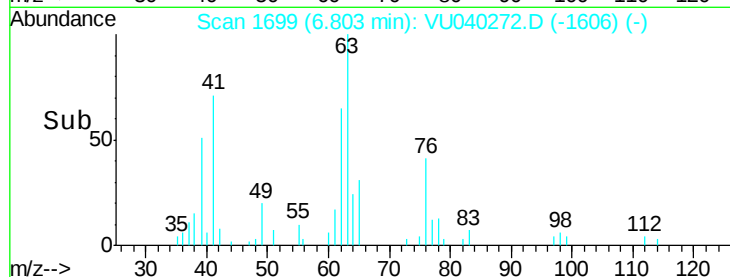
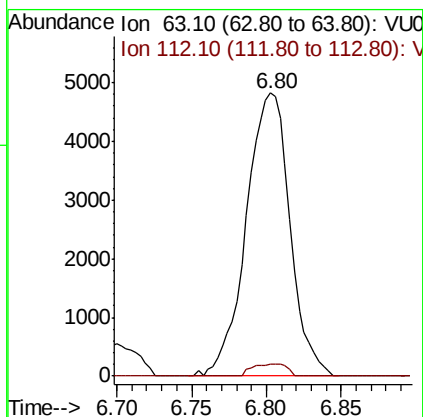
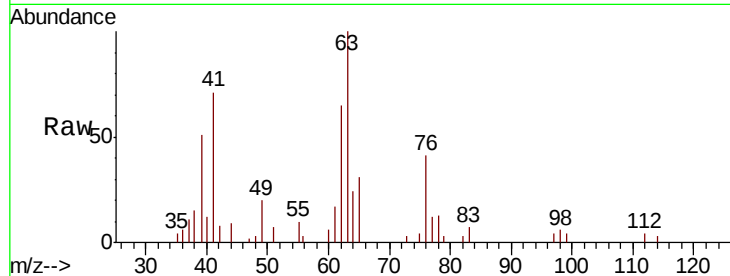




#37
 1,2-Dichloropropane
 Concen: 0.662 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

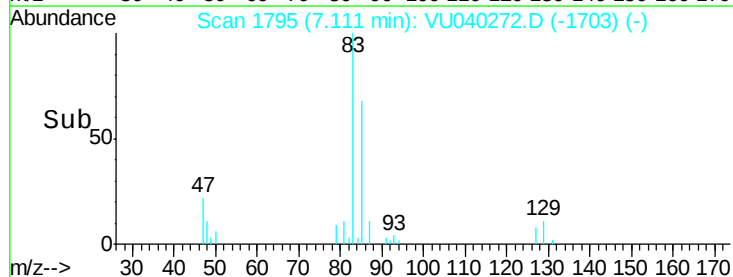
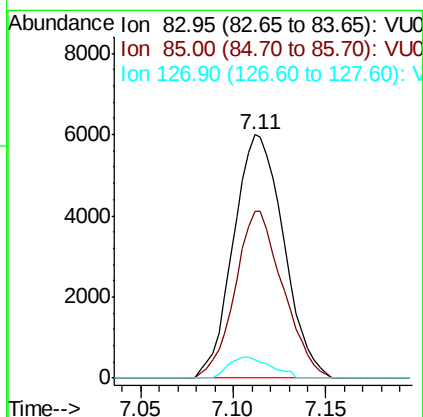
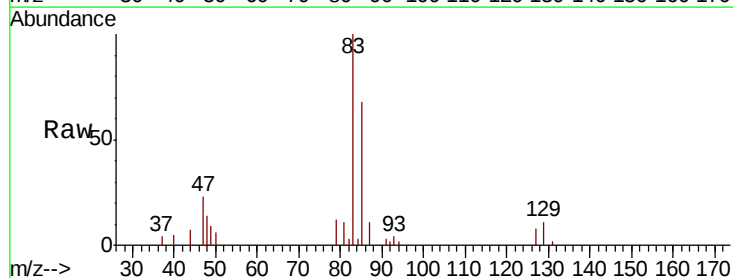
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

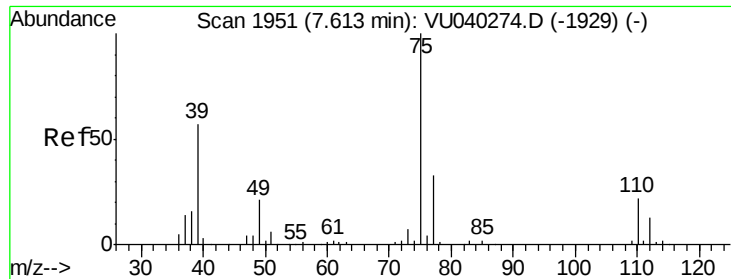
Tot Ion: 63 Resp: 9803
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 0.614 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion: 83 Resp: 11262
 Ion Ratio Lower Upper
 83 100
 85 68.3 44.6 82.8
 127 7.6 6.8 10.2

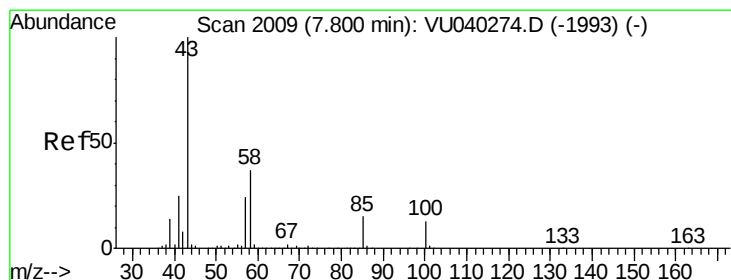
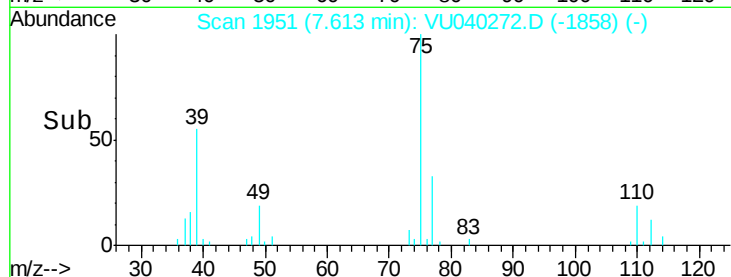
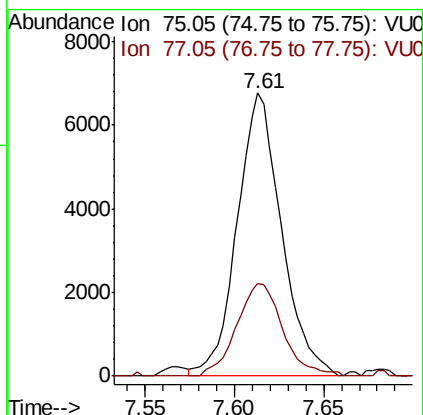
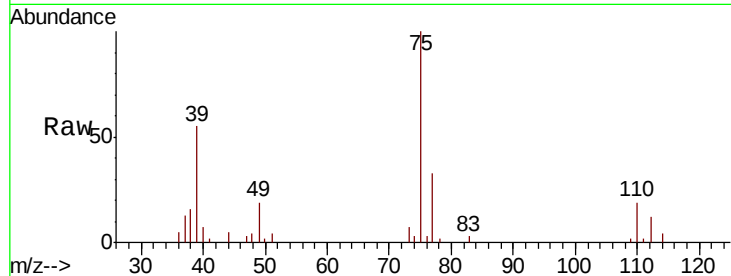




#39
 cis-1,3-Dichloropropene
 Concen: 0.522 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

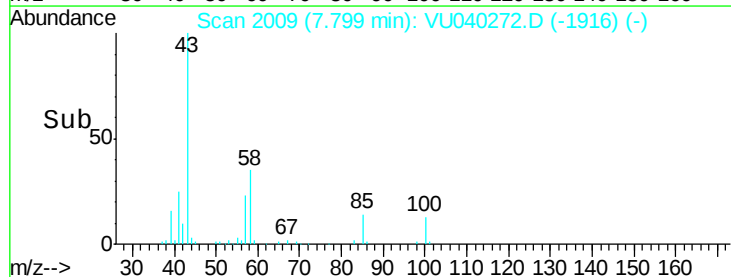
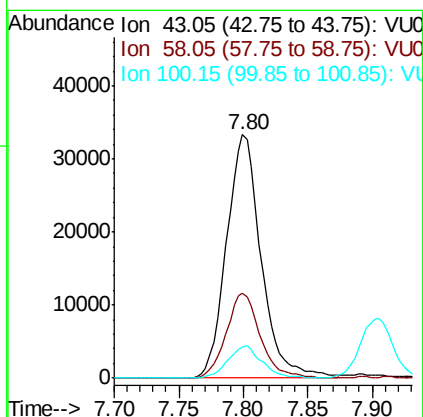
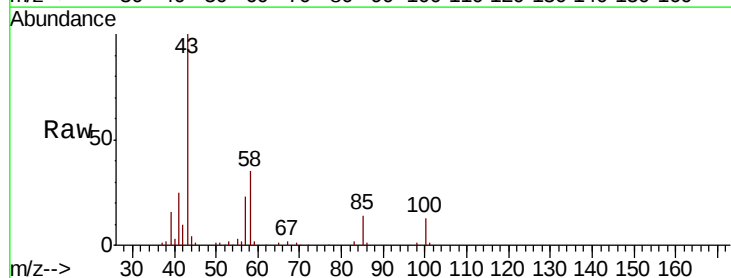
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

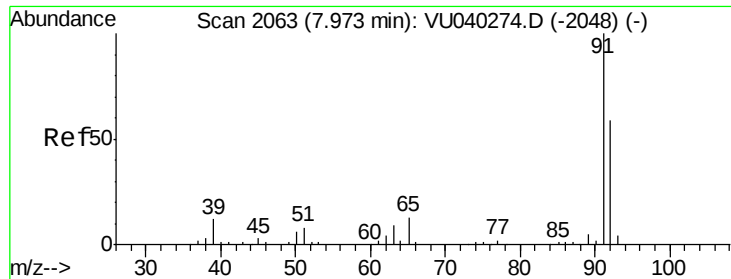
Tot Ion: 75 Resp: 11723
 Ion Ratio Lower Upper
 75 100
 77 32.8 23.4 43.4



#40
 4-Methyl-2-pentanone
 Concen: 6.619 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion: 43 Resp: 62087
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.8 43.2
 100 12.9 10.3 15.5





#42

Toluene

Concen: 0.502 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

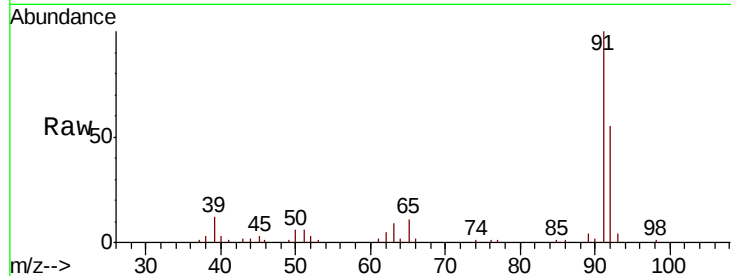
VSTD0.5101

Tot Ion: 91 Resp: 32200

Ion Ratio Lower Upper

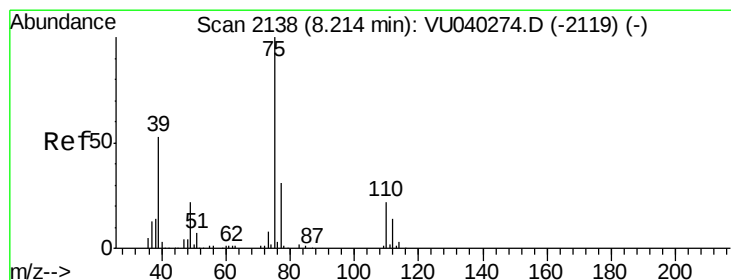
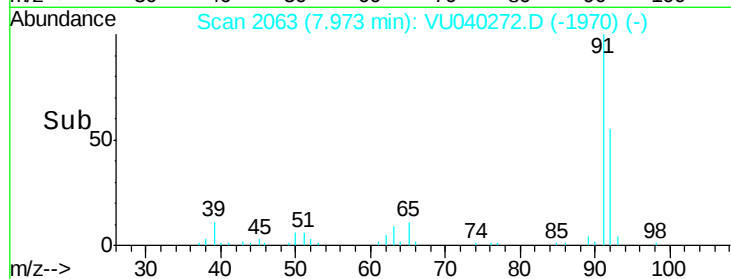
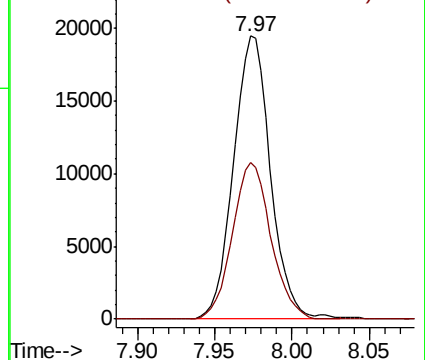
91 100

92 55.3 41.0 76.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.599 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040272.D

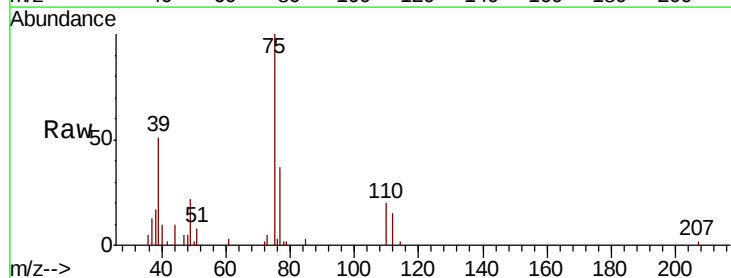
Acq: 24 Sep 2020 15:28

Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

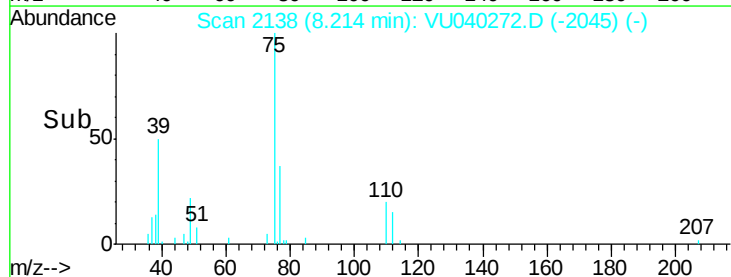
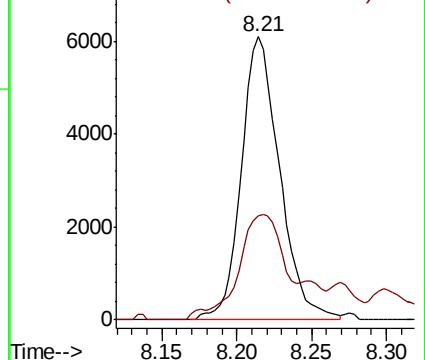
75 100

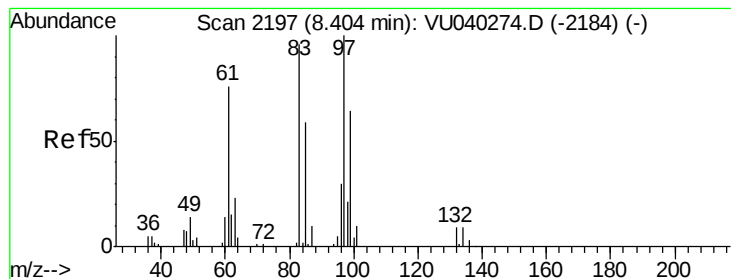
77 36.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 0.599 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

Tot Ion: 97 Resp: 6494

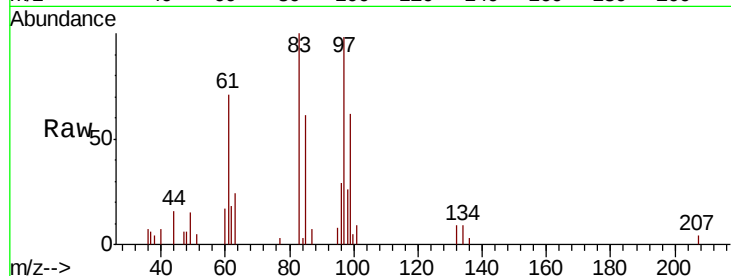
Ion Ratio Lower Upper

97 100

99 63.5 44.9 83.3

83 101.9 67.3 124.9

85 62.6 41.5 77.1

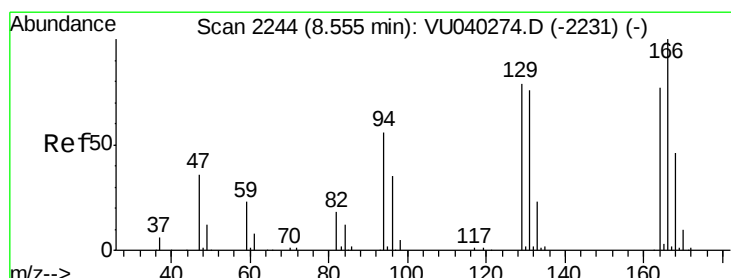
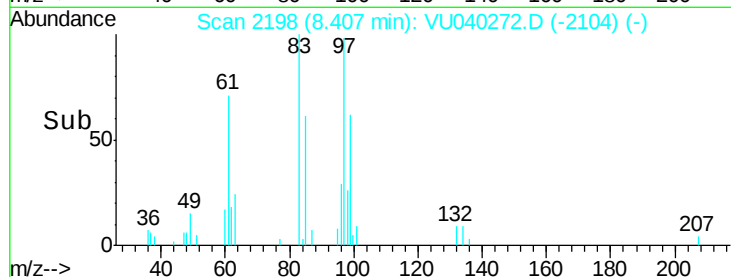
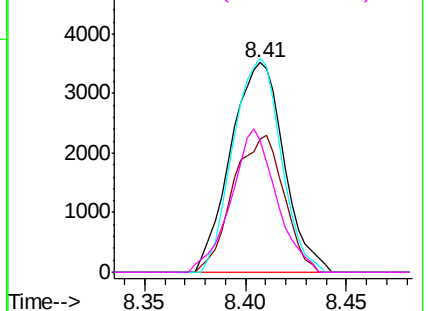


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 0.522 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Tgt Ion: 164 Resp: 6418

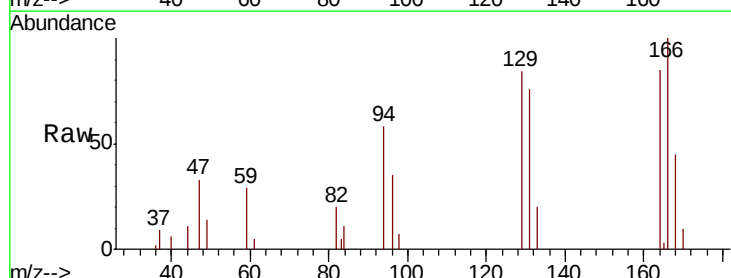
Ion Ratio Lower Upper

164 100

129 99.1 71.5 132.7

131 89.3 69.1 128.3

166 118.3 90.9 168.9

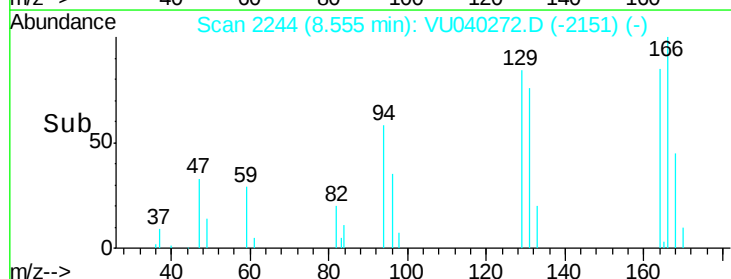
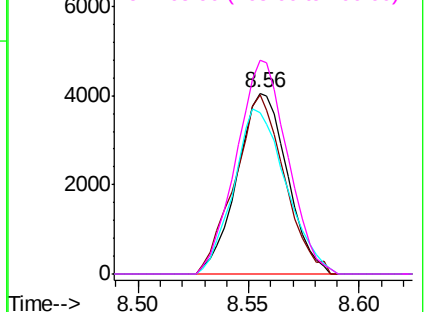


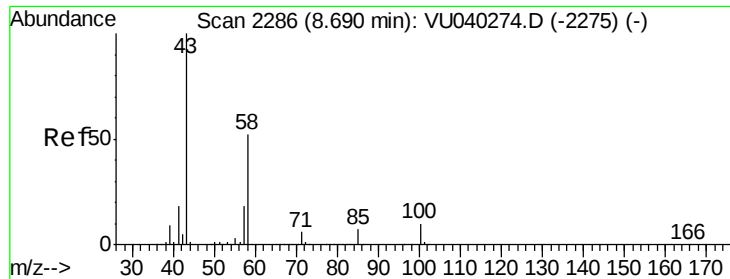
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

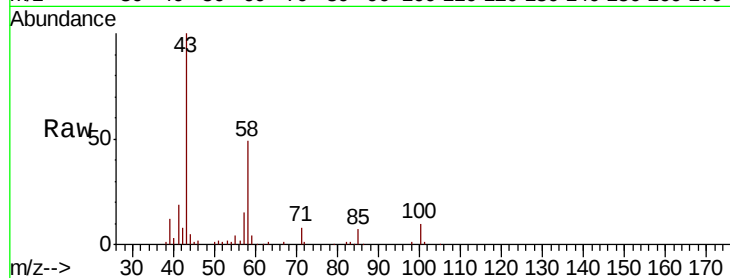




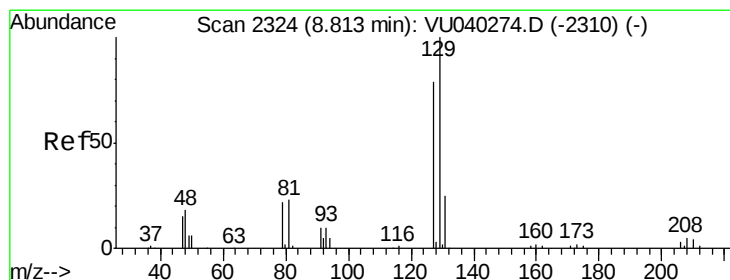
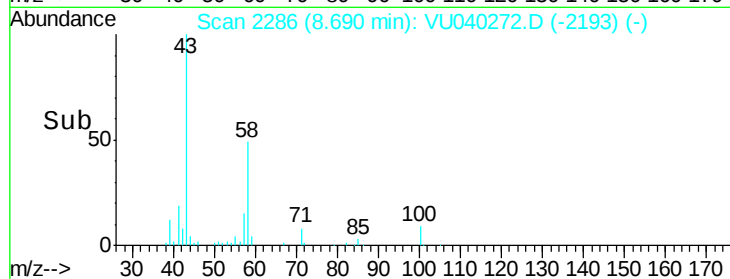
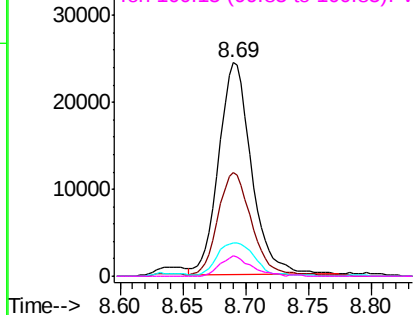
#48
2-Hexanone
Concen: 6.687 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

Tot Ion:	43	Resp:	44458
Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.9	59.9
57	18.2	13.8	20.8
100	9.0	7.9	11.9

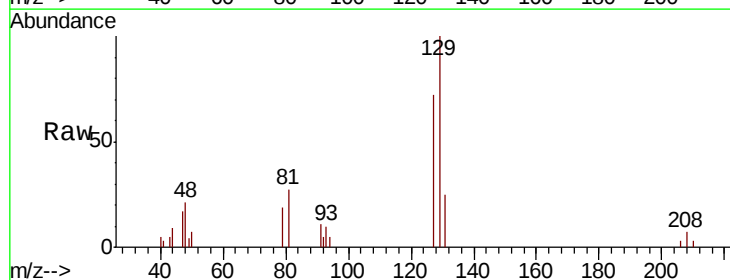


Abundance Ion 43.05 (42.75 to 43.75): VU040272.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040272.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040272.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040272.D (-2275) (-)

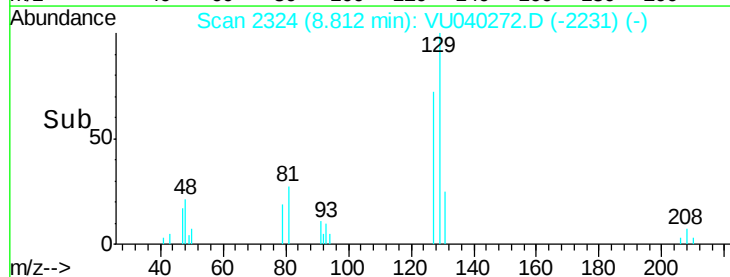
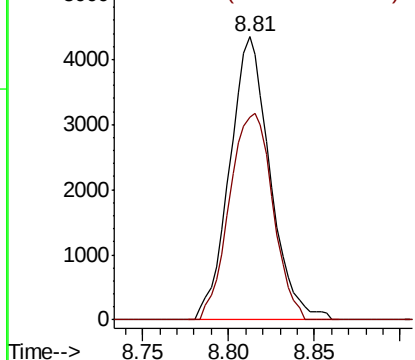


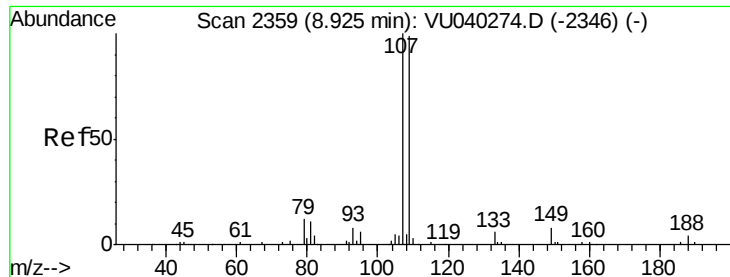
#49
Dibromochloromethane
Concen: 0.568 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion:	129	Resp:	7094
Ion	Ratio	Lower	Upper
129	100		
127	71.8	55.0	102.2



Abundance Ion 128.95 (128.65 to 129.65): VU040272.D (-2310) (-)
Ion 126.90 (126.60 to 127.60): VU040272.D (-2310) (-)

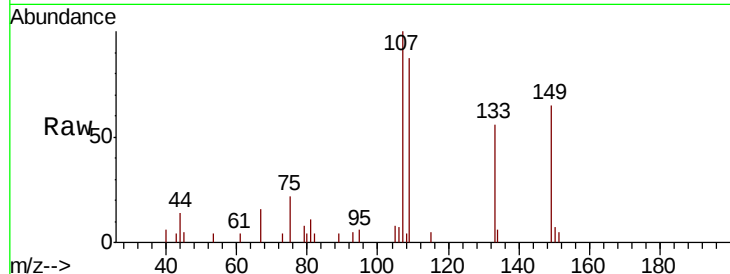




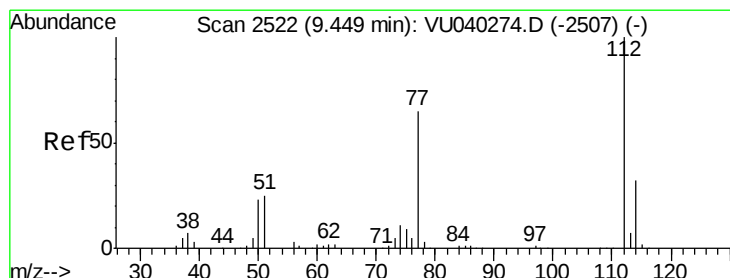
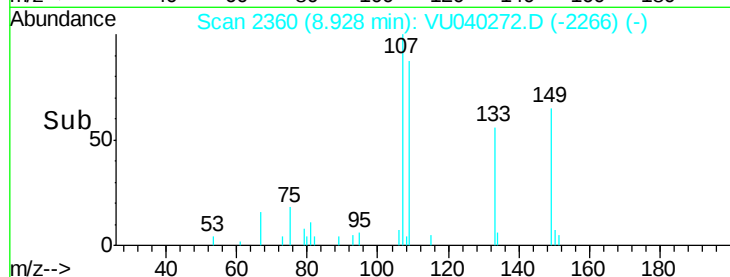
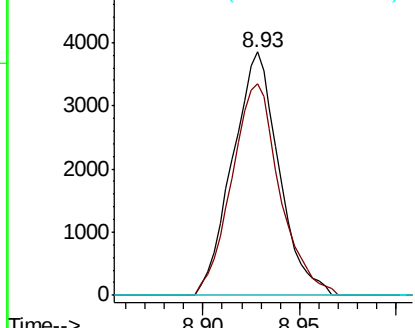
#50
 1,2-Dibromoethane
 Concen: 0.604 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

Tot Ion:107 Resp: 6427
 Ion Ratio Lower Upper
 107 100
 109 86.9 69.4 129.0
 188 0.0 2.9 4.3#

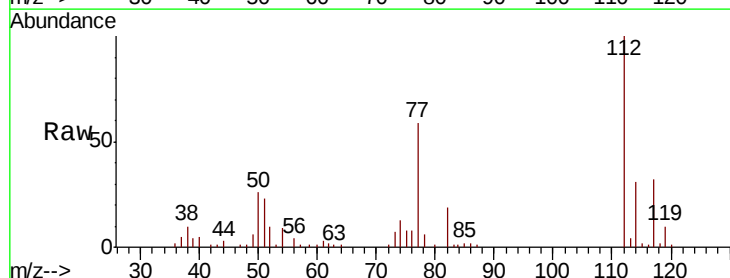


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

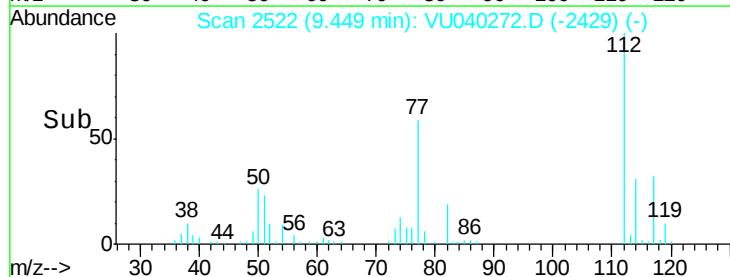
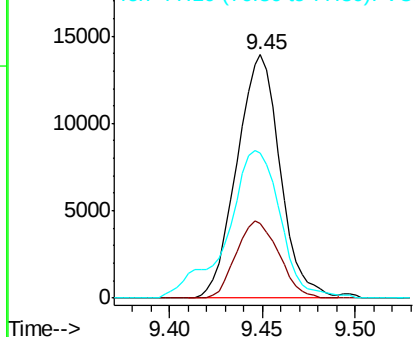


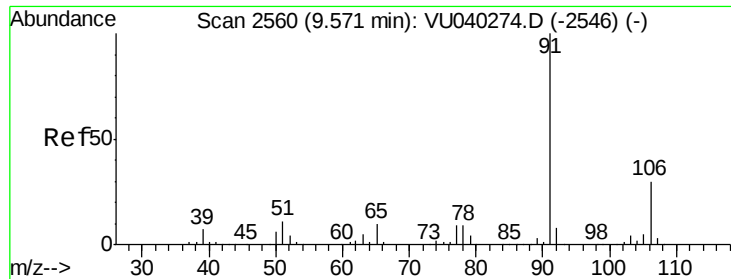
#51
 Chlorobenzene
 Concen: 0.555 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion:112 Resp: 22670
 Ion Ratio Lower Upper
 112 100
 114 30.6 22.7 42.3
 77 59.4 52.0 78.0



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.499 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

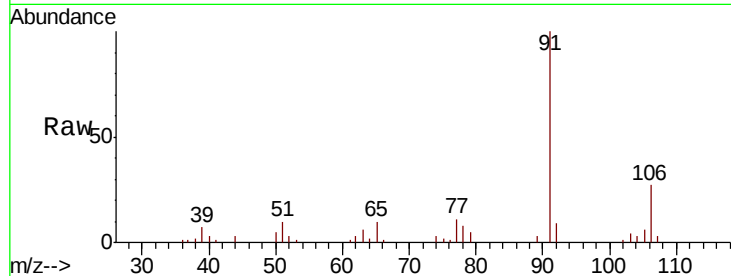
VSTD0.5101

Tot Ion: 91 Resp: 34823

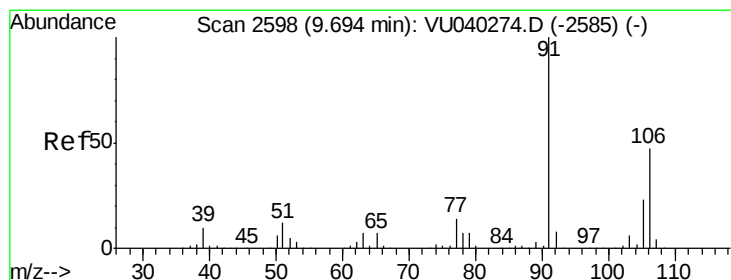
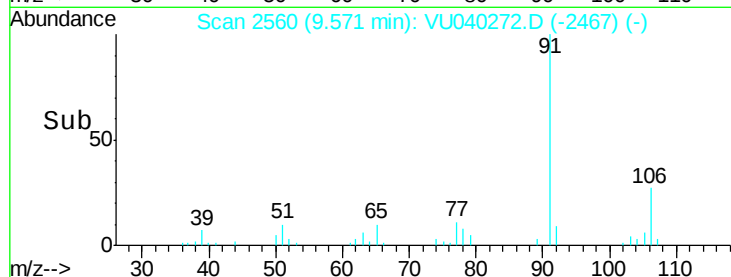
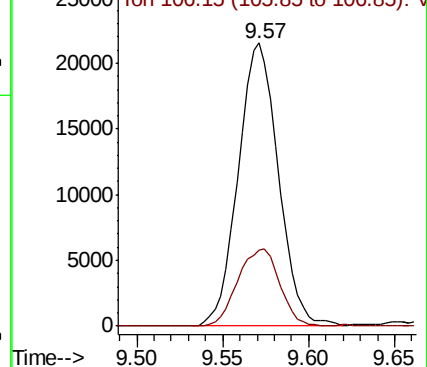
Ion Ratio Lower Upper

91 100

106 27.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040272.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.462 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040272.D

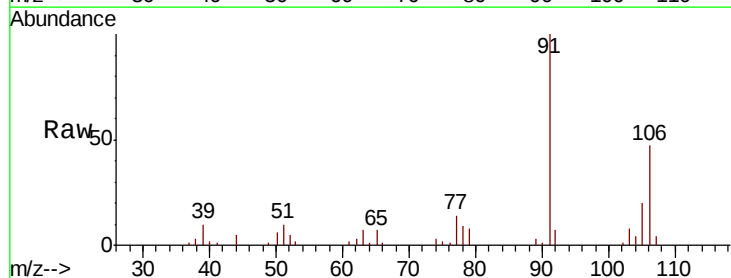
Acq: 24 Sep 2020 15:28

Tgt Ion: 106 Resp: 12347

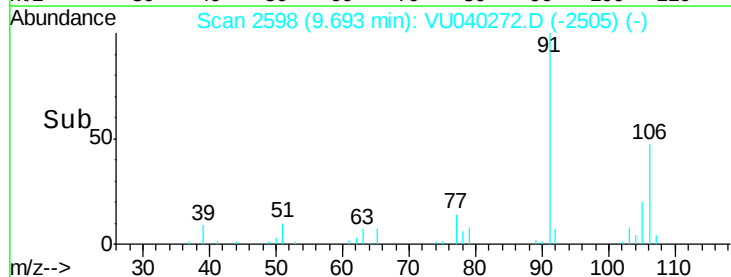
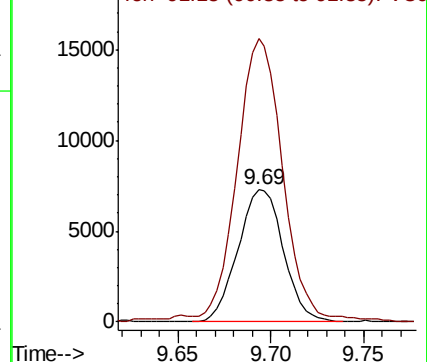
Ion Ratio Lower Upper

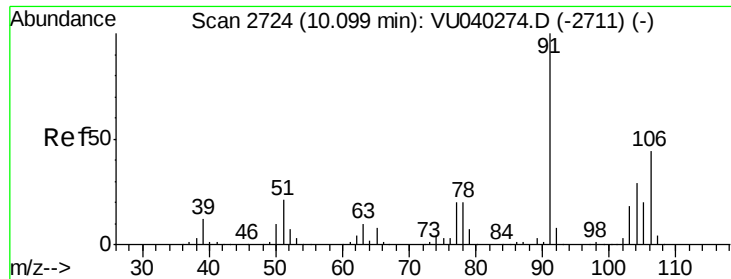
106 100

91 214.6 150.4 279.2



Abundance Ion 106.15 (105.85 to 106.85): VU040272.D (-2585) (-)

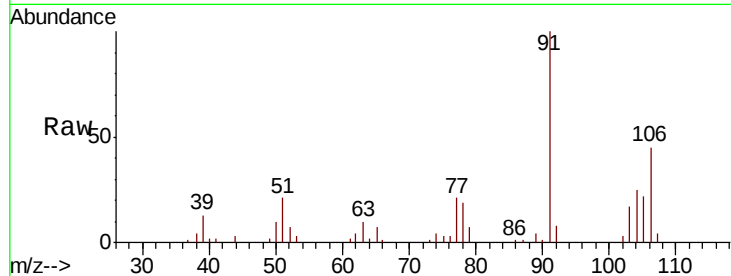




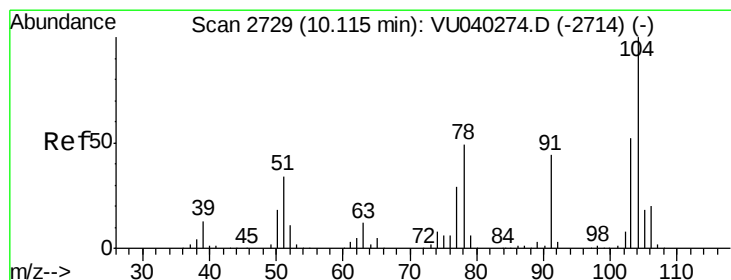
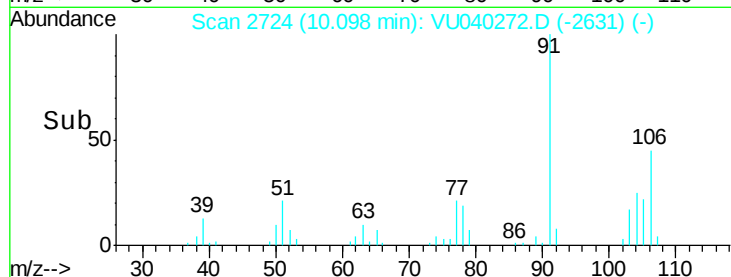
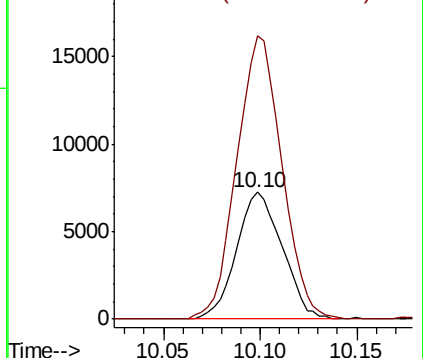
#54
o-Xylene
Concen: 0.457 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

Tot Ion:106 Resp: 11923
Ion Ratio Lower Upper
106 100
91 223.3 160.5 298.1

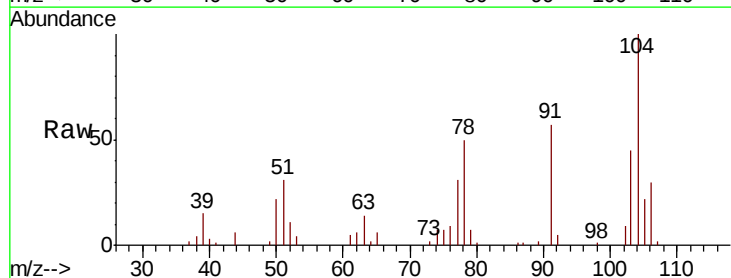


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

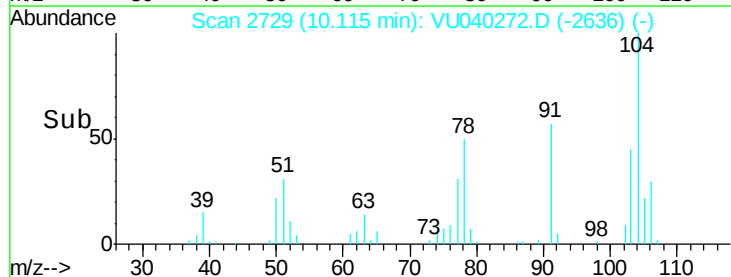
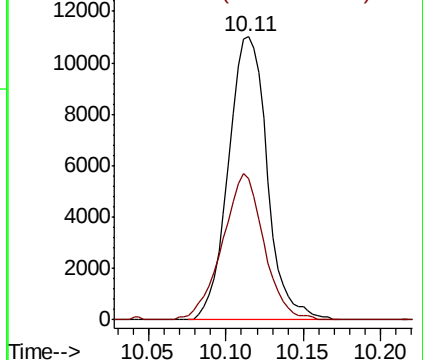


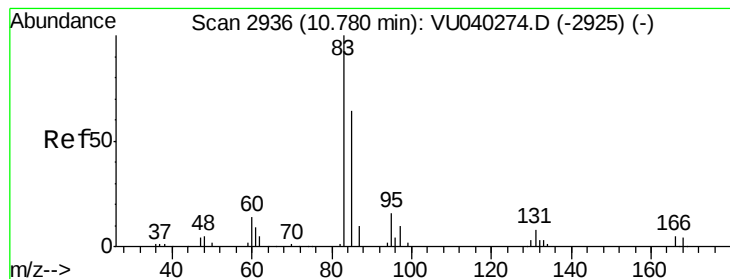
#55
Styrene
Concen: 0.442 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion:104 Resp: 19186
Ion Ratio Lower Upper
104 100
78 49.8 34.6 64.3



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





#57

1,1,2,2-Tetrachloroethane

Concen: 0.596 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

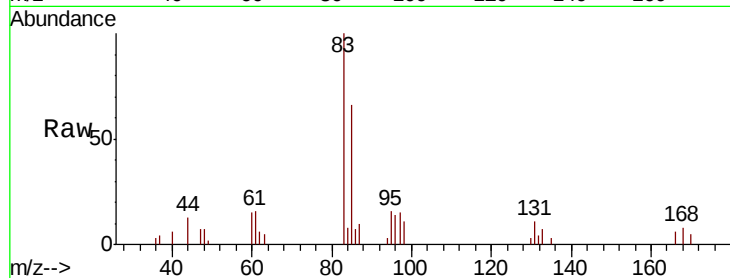
Tot Ion: 83 Resp: 8287

Ion Ratio Lower Upper

83 100

85 66.1 45.5 84.5

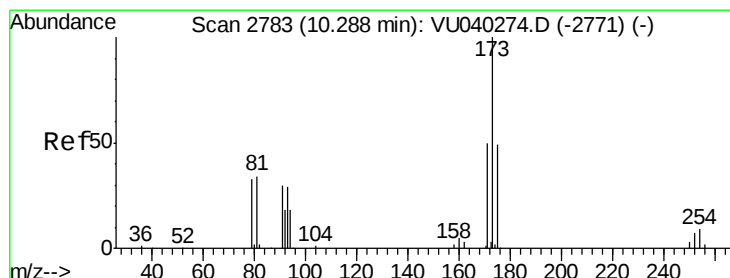
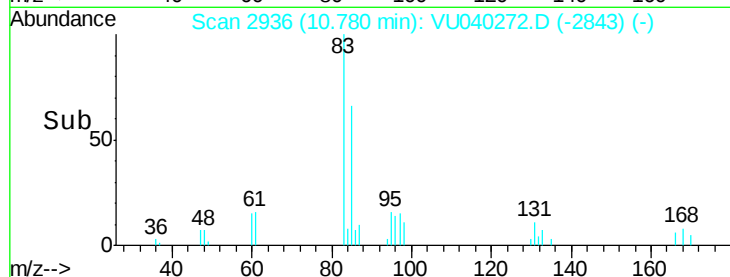
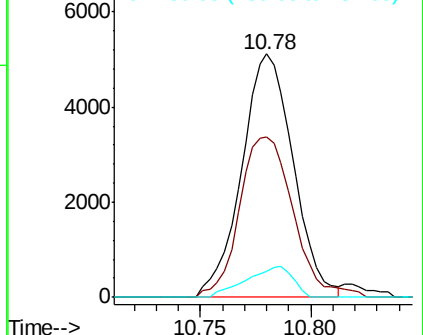
131 10.7 7.4 11.2



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

Bromoform

Concen: 0.583 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

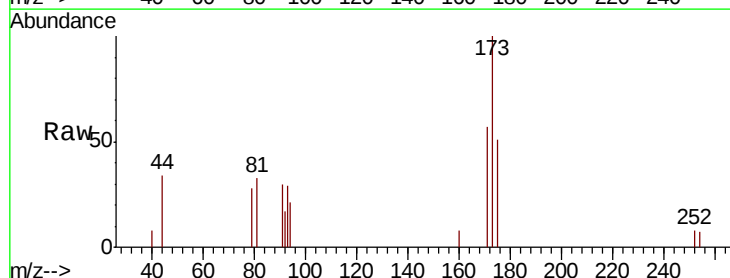
Tgt Ion: 173 Resp: 3879

Ion Ratio Lower Upper

173 100

175 42.1 39.0 58.6

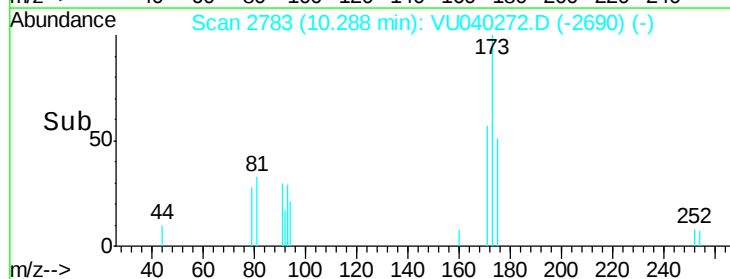
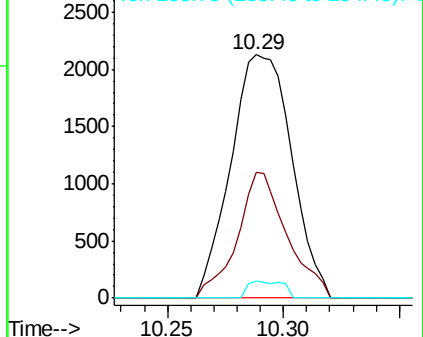
254 4.0 7.1 10.7#

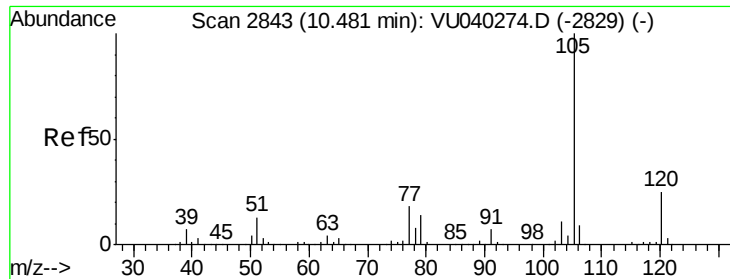


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 0.474 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.5101

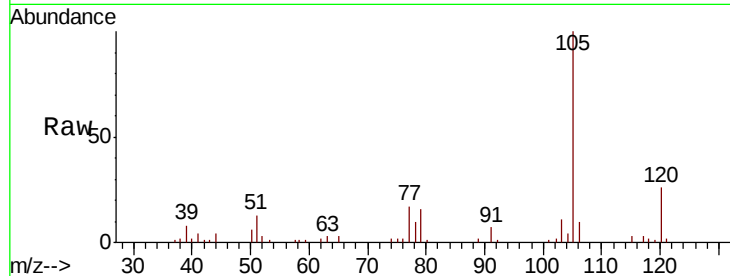
Tot Ion:105 Resp: 30838

Ion Ratio Lower Upper

105 100

120 25.2 20.6 31.0

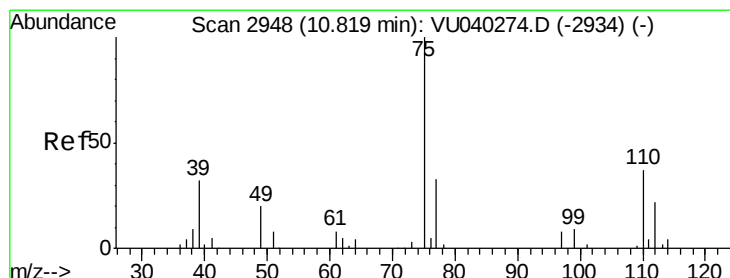
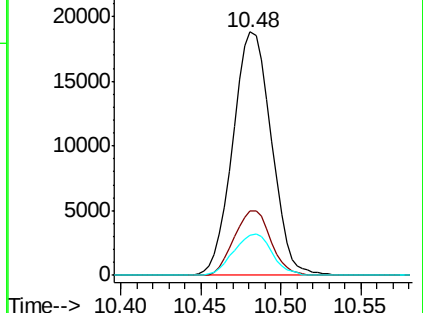
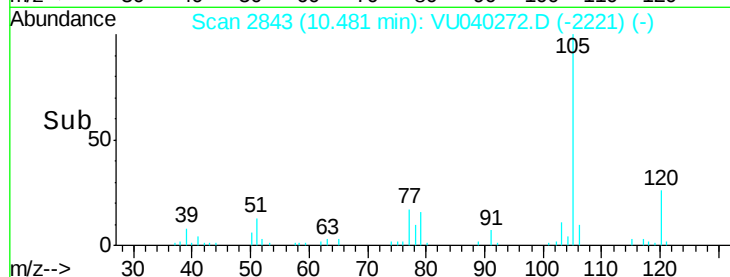
77 16.9 14.2 21.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU



#61

1,2,3-Trichloropropane

Concen: 0.713 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

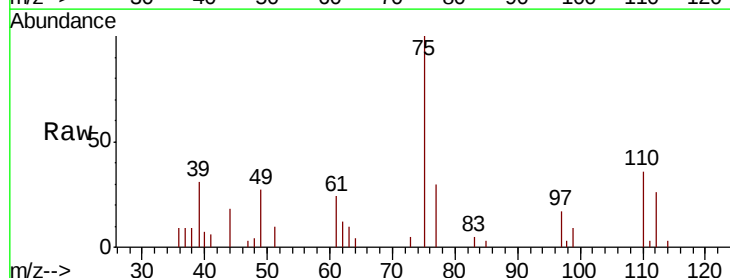
Tgt Ion: 75 Resp: 6765

Ion Ratio Lower Upper

75 100

110 33.9 29.3 43.9

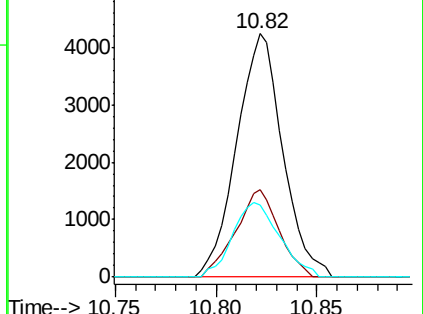
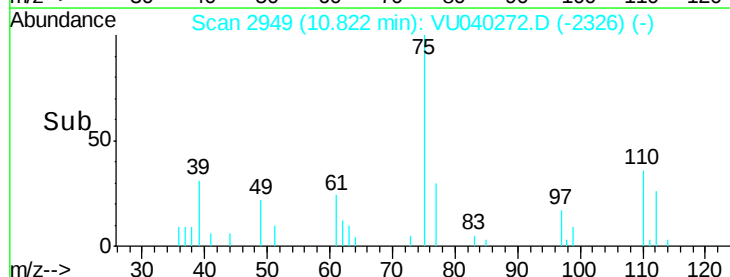
77 31.5 25.9 38.9

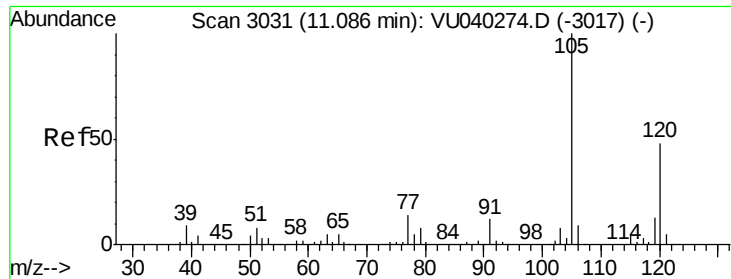


Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU





#62

1,3,5-Trimethylbenzene

Concen: 0.416 ug/L

RT: 11.09 min Scan# 3031

Delta R.T. -0.00 min

Lab File: VU040272.D

Acq: 24 Sep 2020 15:28

Instrument :

MSVOA_U

ClientSampleId :

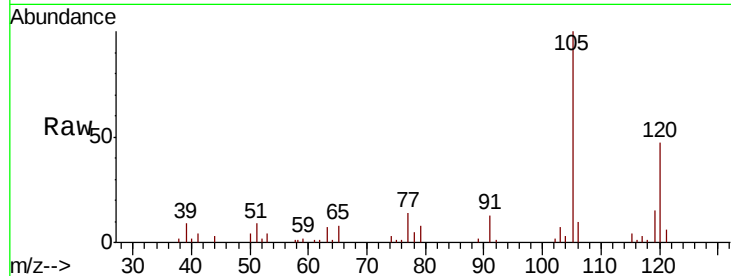
VSTD0.5101

Tot Ion:105 Resp: 23005

Ion Ratio Lower Upper

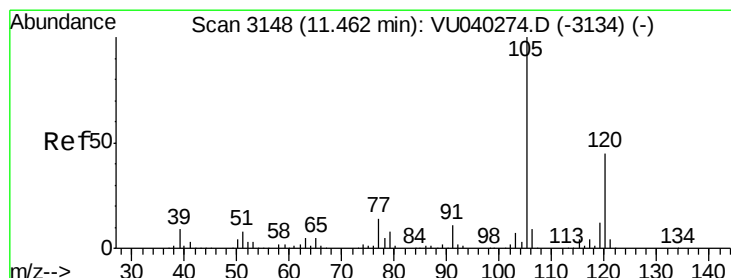
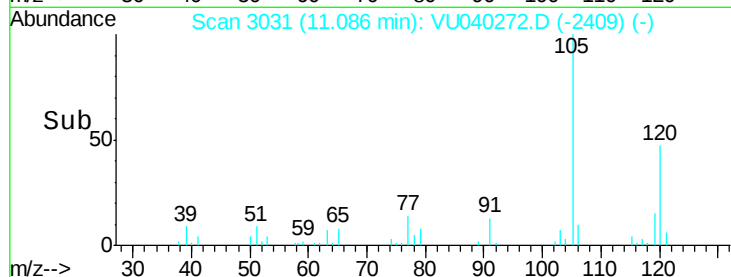
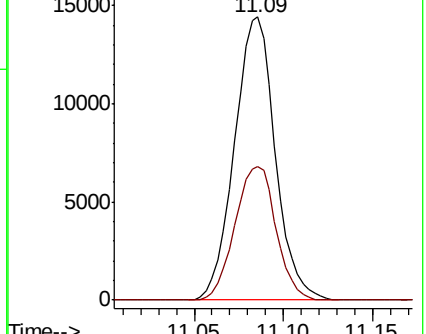
105 100

120 47.5 37.8 56.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.402 ug/L

RT: 11.46 min Scan# 3148

Delta R.T. -0.00 min

Lab File: VU040272.D

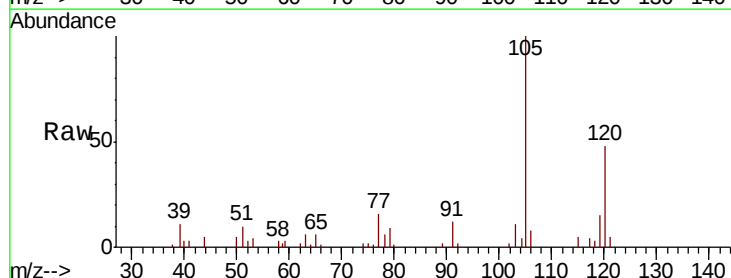
Acq: 24 Sep 2020 15:28

Tgt Ion:105 Resp: 22216

Ion Ratio Lower Upper

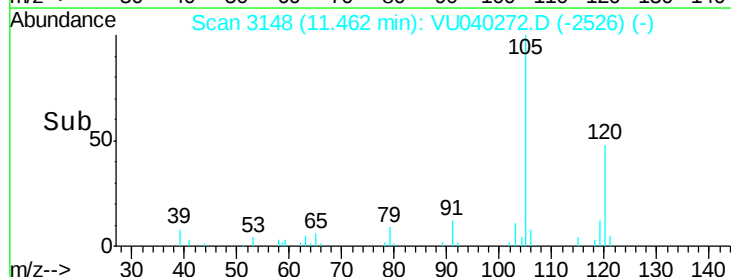
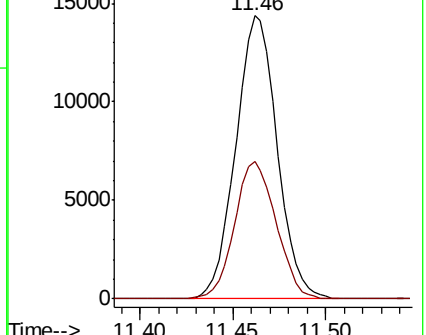
105 100

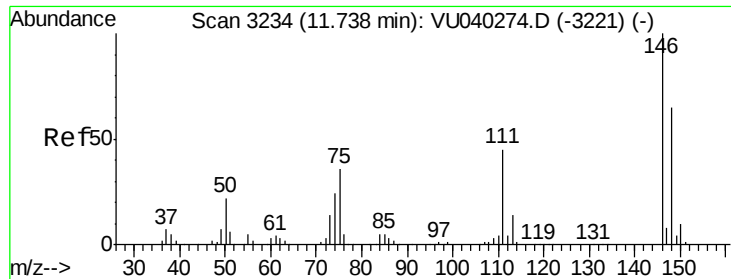
120 48.6 36.0 54.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

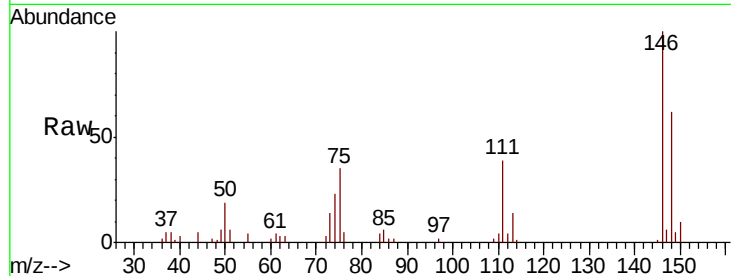




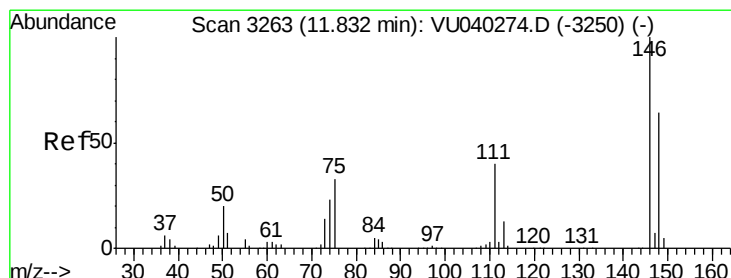
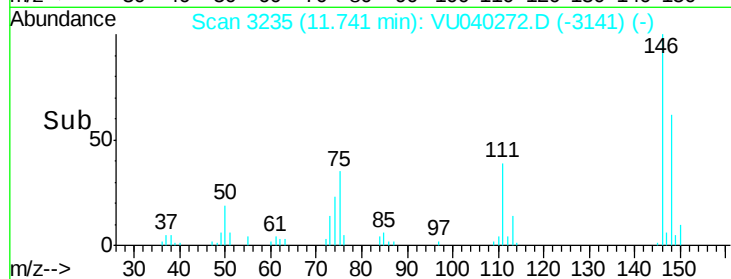
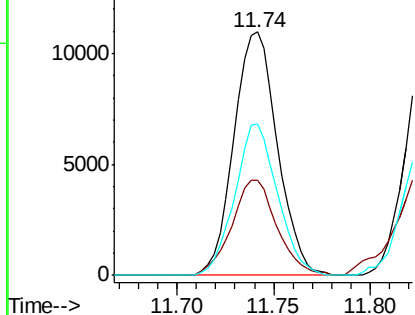
#64
 1,3-Dichlorobenzene
 Concen: 0.563 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

Tot Ion:146 Resp: 17159
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.6 58.8
 148 62.0 45.1 83.9

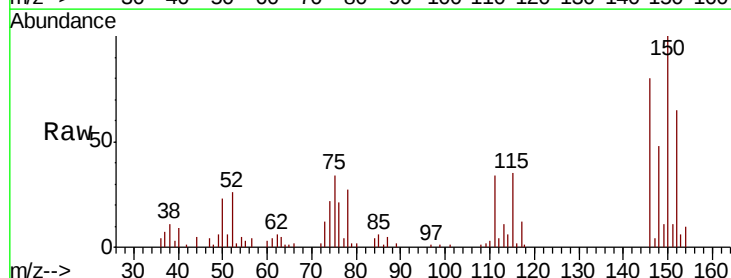


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

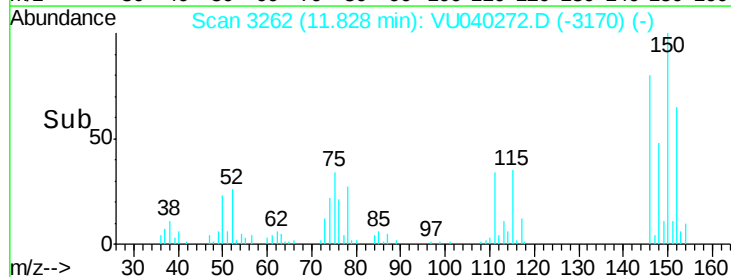
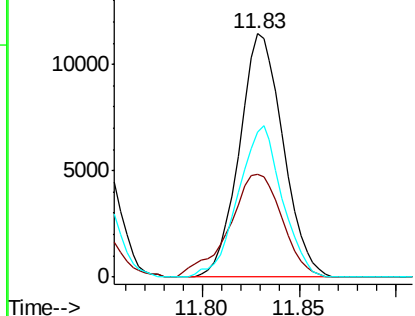


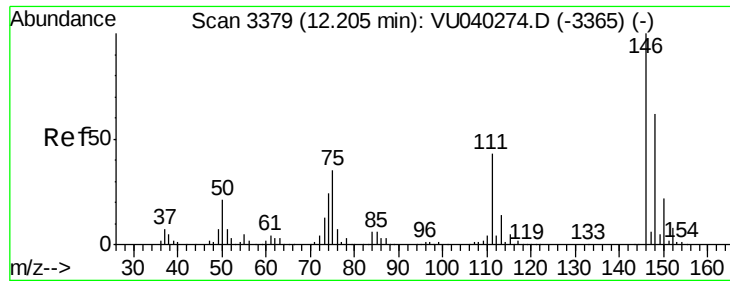
#65
 1,4-Dichlorobenzene
 Concen: 0.587 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion:146 Resp: 18048
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.2 52.4
 148 59.8 45.2 84.0



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

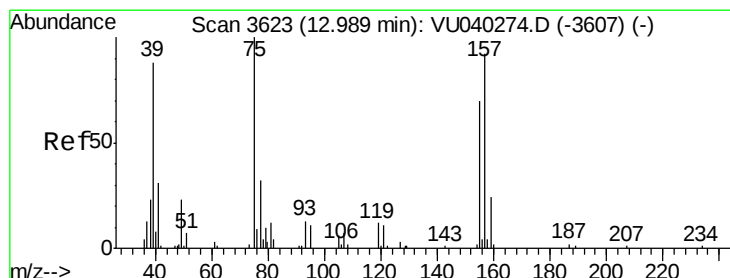
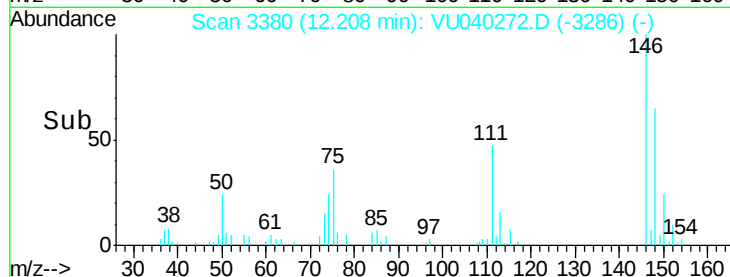
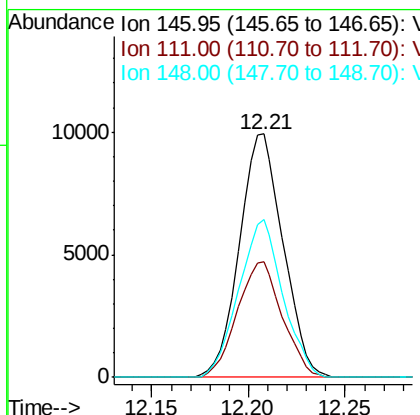
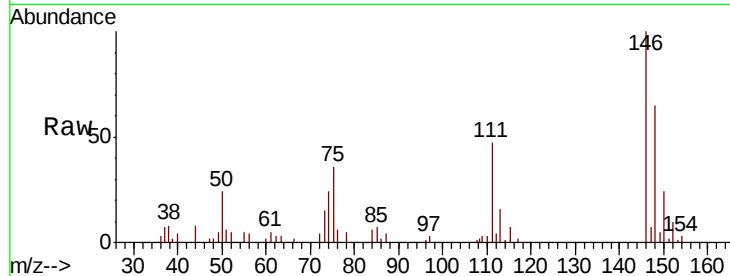




#67
 1,2-Dichlorobenzene
 Concen: 0.531 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

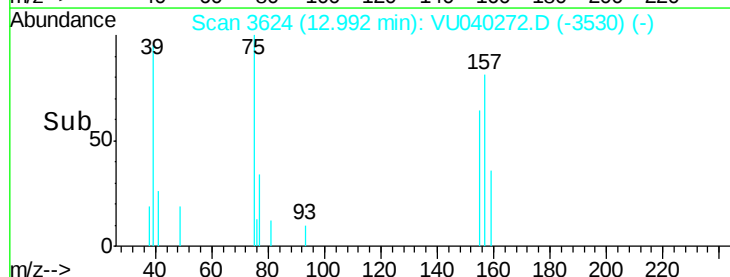
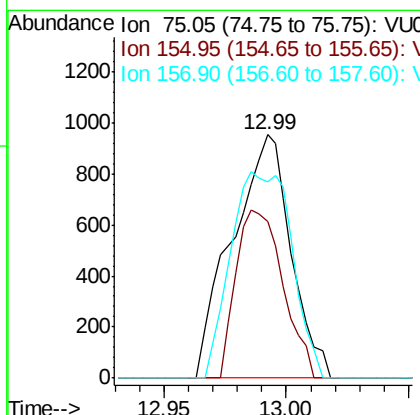
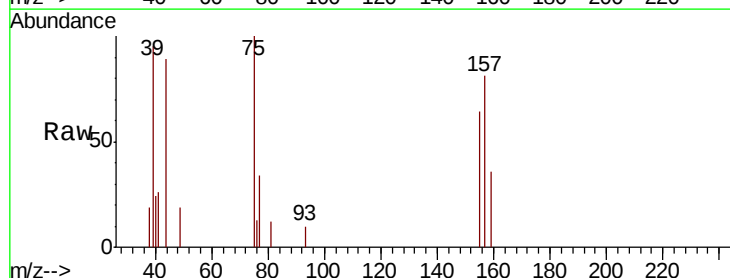
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

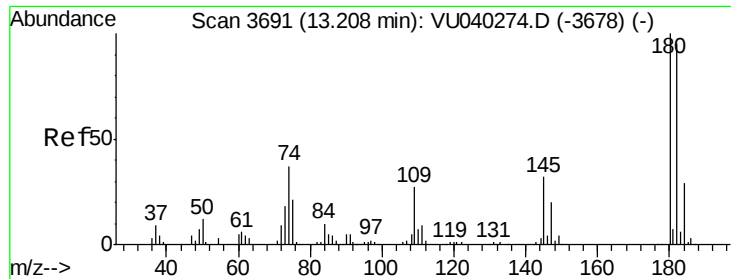
Tot Ion:146 Resp: 15582
 Ion Ratio Lower Upper
 146 100
 111 47.5 34.2 51.4
 148 65.1 49.4 74.2



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.779 ug/L
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion: 75 Resp: 1588
 Ion Ratio Lower Upper
 75 100
 155 64.2 56.3 84.5
 157 80.6 73.5 110.3

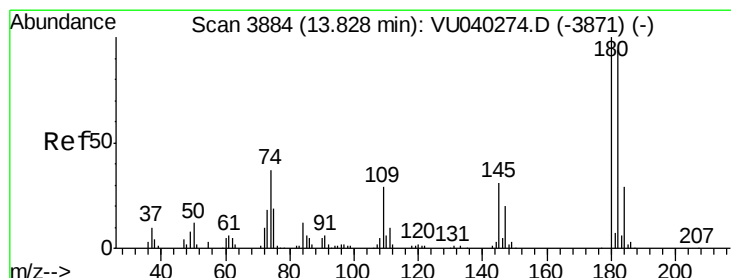
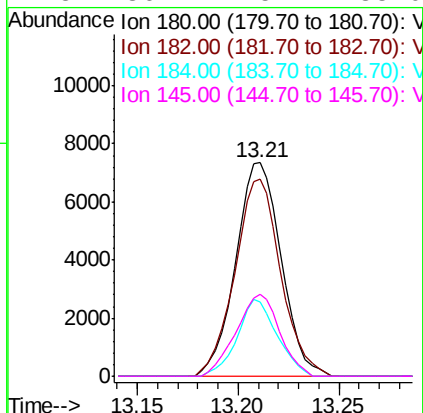
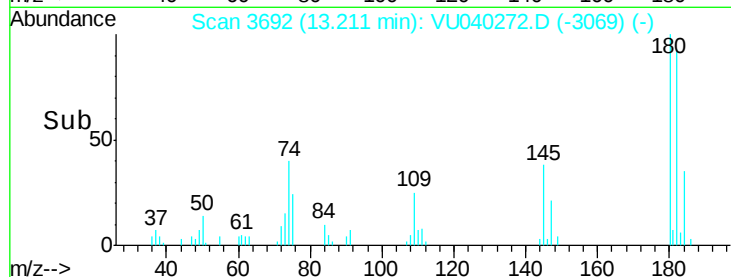
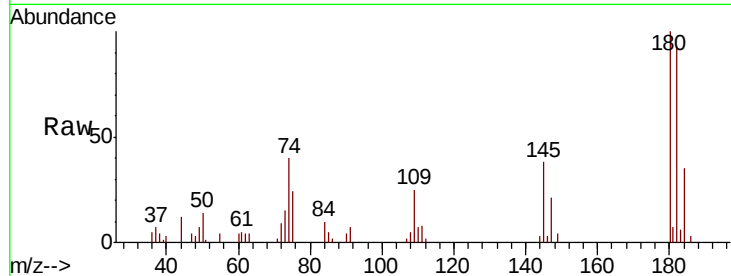




#69
 1,3,5-Trichlorobenzene
 Concen: 0.507 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

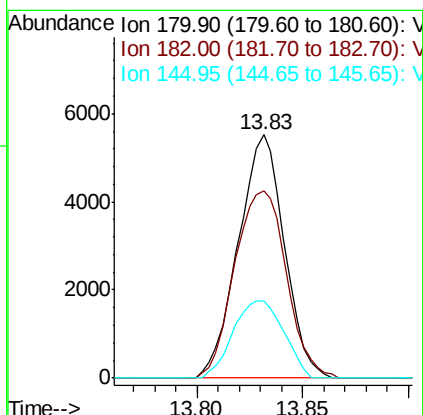
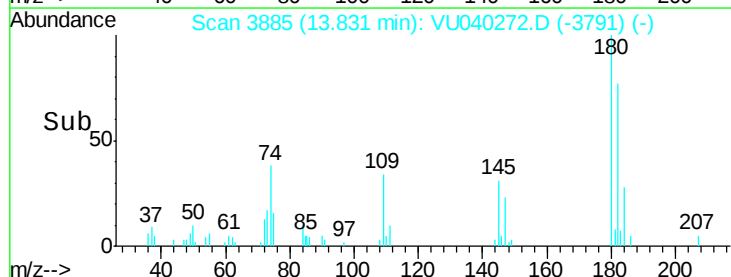
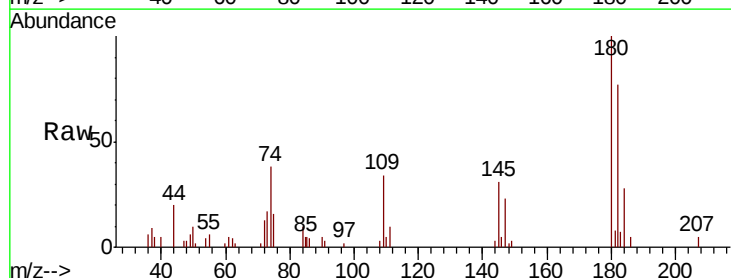
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5101

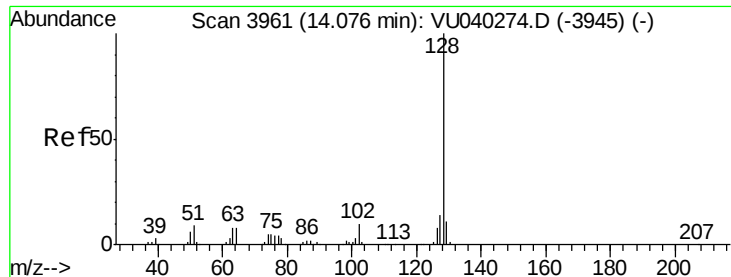
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.8	113.6
184	31.6	23.7	35.5
145	36.7	25.4	38.0



#70
 1,2,4-trichlorobenzene
 Concen: 0.491 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040272.D
 Acq: 24 Sep 2020 15:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	86.8	76.3	114.5
145	34.7	25.9	38.9

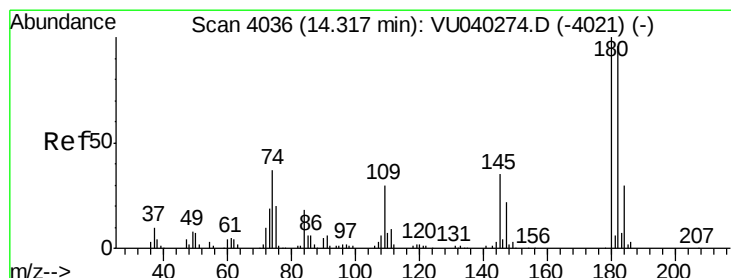
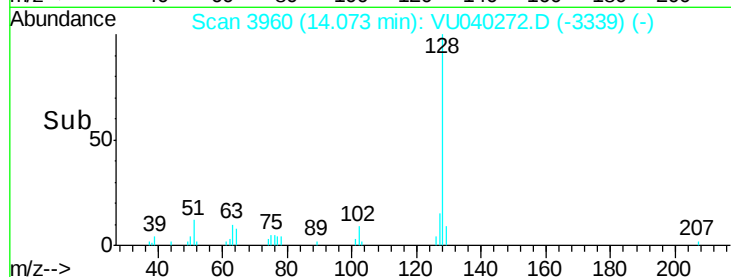
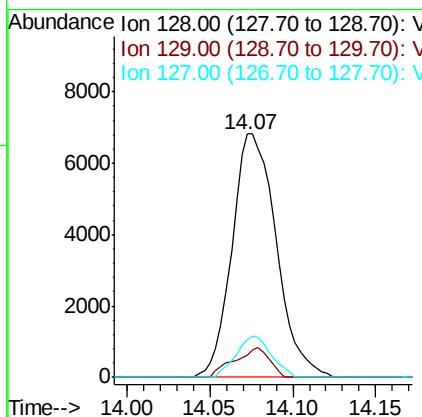
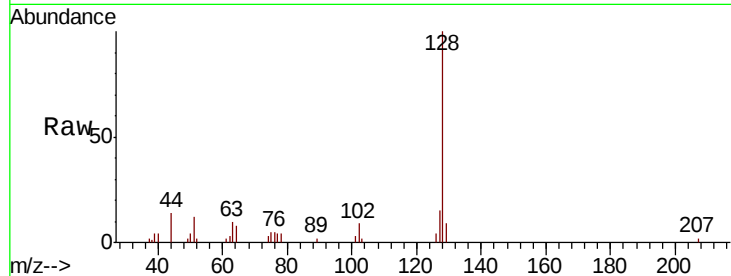




#71
Naphthalene
Concen: 0.498 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5101

Tot Ion:128 Resp: 12679
Ion Ratio Lower Upper
128 100
129 9.7 8.4 12.6
127 13.3 10.6 15.8



#72
1,2,3-Trichlorobenzene
Concen: 0.473 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040272.D
Acq: 24 Sep 2020 15:28

Tgt Ion:180 Resp: 7270
Ion Ratio Lower Upper
180 100
182 104.0 78.0 117.0
145 39.0 28.6 42.8

