

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112420\
 Data File : VU041423.D
 Acq On : 24 Nov 2020 18:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Nov 25 07:40:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 25 07:37:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	63999	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	68088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	37662	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	17471	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.92	69	13347	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.60%
11) 1,1-Dichloroethene-d2	2.58	63	39002	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	4.65	46	61292	53.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.98%
24) Chloroform-d	5.08	84	41196	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.72	65	26970	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	67228	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
36) 1,2-Dichloropropane-d6	6.70	67	21326	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.91	98	67822	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	8.19	79	11336	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.64	63	45186	57.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	23925	5.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	28847	4.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	32382	5.237	ug/L 100
3) Chloromethane	1.53	50	24705	4.699	ug/L 96
5) Vinyl chloride	1.61	62	26567	4.750	ug/L 99
6) Bromomethane	1.87	94	9947	4.716	ug/L 98
8) Chloroethane	1.94	64	15879	5.008	ug/L 91
9) Trichlorofluoromethane	2.15	101	49166	5.677	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	22405	5.022	ug/L 92
12) 1,1-Dichloroethene	2.59	96	19941	5.060	ug/L 90
13) Acetone	2.66	43	49016	63.292	ug/L 100
14) Carbon disulfide	2.81	76	63302	4.599	ug/L 100
15) Methyl Acetate	2.97	43	10444	5.724	ug/L 93
16) Methylene chloride	3.06	84	24526	4.355	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	49788	5.073	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	20410	4.775	ug/L 95
19) 1,1-Dichloroethane	3.89	63	39746	4.675	ug/L 98
21) 2-Butanone	4.73	43	70879	57.623	ug/L 96
22) cis-1,2-Dichloroethene	4.69	96	21803	4.797	ug/L 91

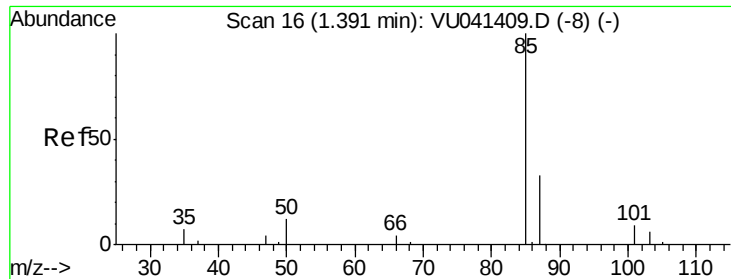
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	11300	5.630	ug/L	90
25) Chloroform	5.11	83	47392	5.073	ug/L	98
27) 1,2-Dichloroethane	5.81	62	36576	6.013	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	44758	5.261	ug/L	96
30) Cyclohexane	5.40	56	30487	4.203	ug/L	92
31) Carbon tetrachloride	5.54	117	40238	5.256	ug/L	99
33) Benzene	5.79	78	85052	4.657	ug/L	100
34) Trichloroethene	6.55	95	24130	4.851	ug/L	96
35) Methylcyclohexane	6.77	83	33172	4.574	ug/L	97
37) 1,2-Dichloropropane	6.80	63	22137	4.418	ug/L #	97
38) Bromodichloromethane	7.11	83	33945	5.003	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	33473	4.840	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	168069	54.666	ug/L	97
42) Toluene	7.97	91	95440	4.901	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	32898	5.213	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	18431	5.367	ug/L	96
47) Tetrachloroethene	8.56	164	19316	5.187	ug/L	96
48) 2-Hexanone	8.69	43	130003	57.638	ug/L	98
49) Dibromochloromethane	8.81	129	23931	5.472	ug/L	98
50) 1,2-Dibromoethane	8.93	107	18264	5.561	ug/L #	97
51) Chlorobenzene	9.45	112	62336	4.945	ug/L	97
52) Ethylbenzene	9.57	91	103812	4.987	ug/L	99
53) m,p-Xylene	9.70	106	39811	5.222	ug/L	98
54) o-Xylene	10.10	106	38327	5.219	ug/L	97
55) Styrene	10.11	104	68086	5.556	ug/L	99
56) Isopropylbenzene	10.48	105	106132	5.382	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	25719	6.019	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	20400	6.232	ug/L	99
61) Bromoform	10.29	173	15301	5.762	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	53945	4.953	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	53792	4.995	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	50662	5.028	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	4822	6.107	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	37715	4.927	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	28348	4.718	ug/L	98
69) Naphthalene	14.08	128	43272	4.584	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	26576	4.840	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.237 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

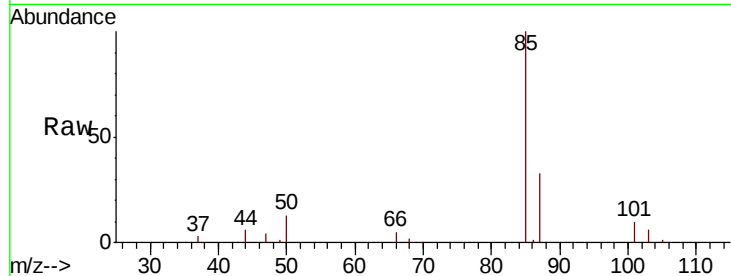
VSTD00512

Tot Ion: 85 Resp: 32382

Ion Ratio Lower Upper

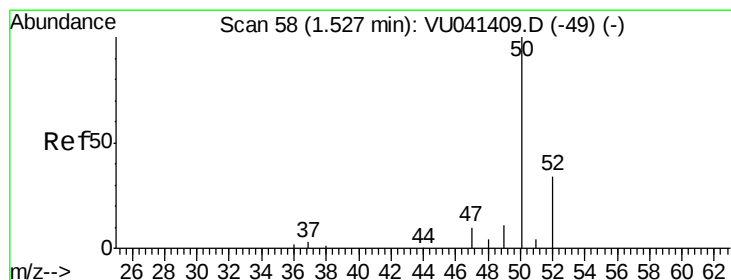
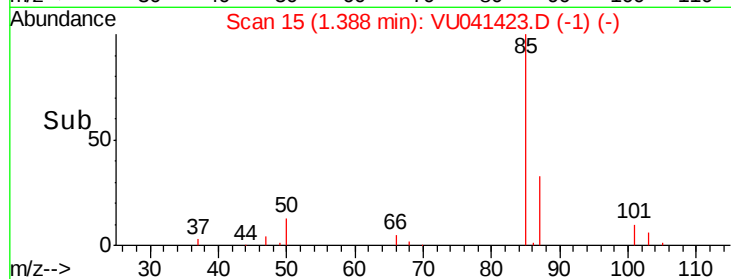
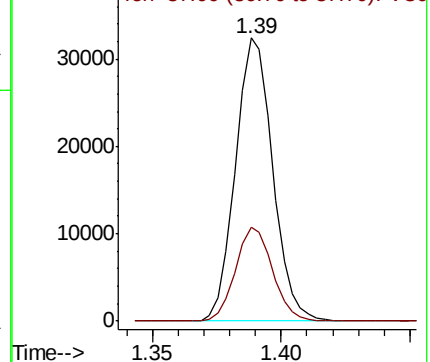
85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU041423.D

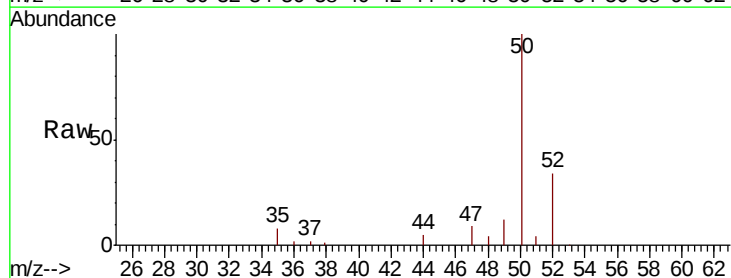
Acq: 24 Nov 2020 18:08

Tgt Ion: 50 Resp: 24705

Ion Ratio Lower Upper

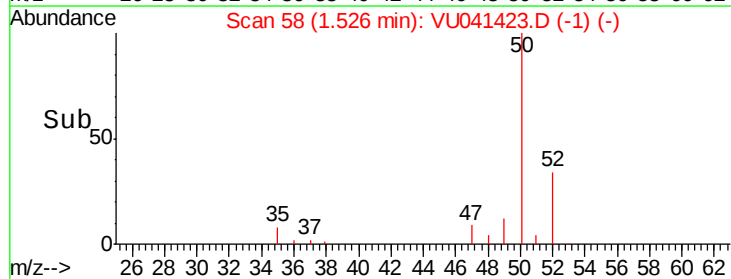
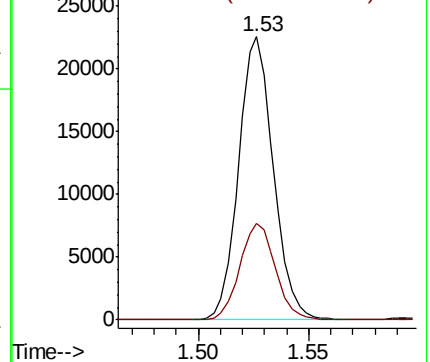
50 100

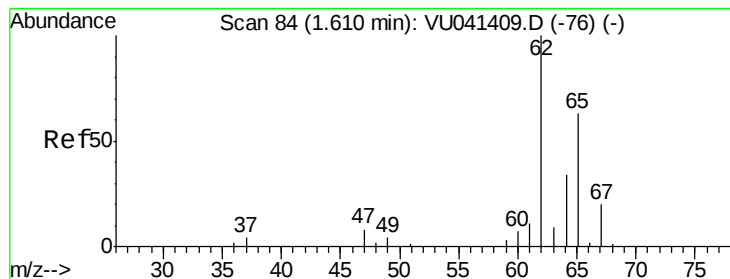
52 34.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.750 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

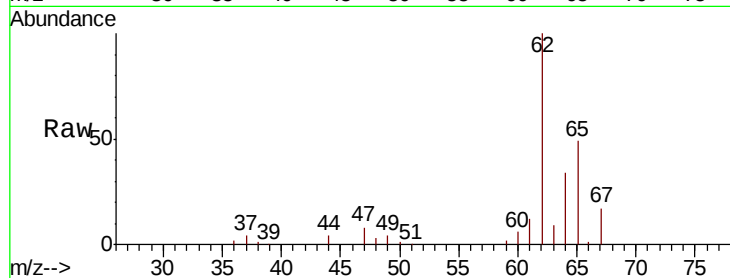
VSTD00512

Tot Ion: 62 Resp: 26567

Ion Ratio Lower Upper

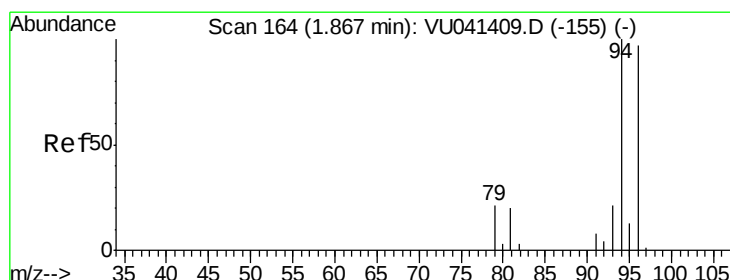
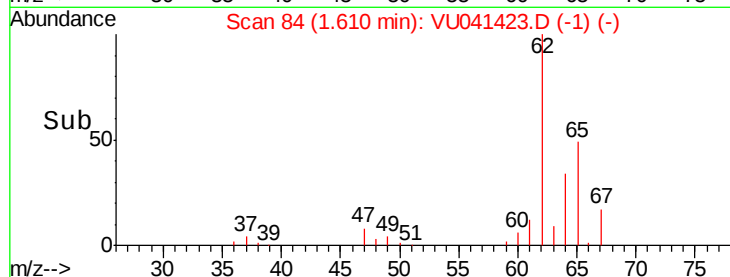
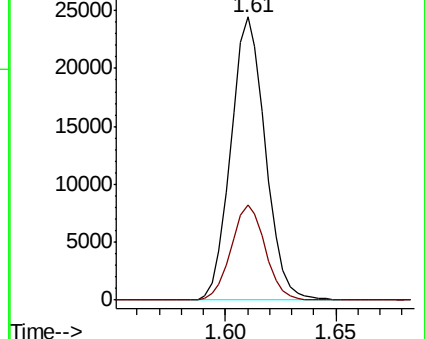
62 100

64 33.7 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.716 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU041423.D

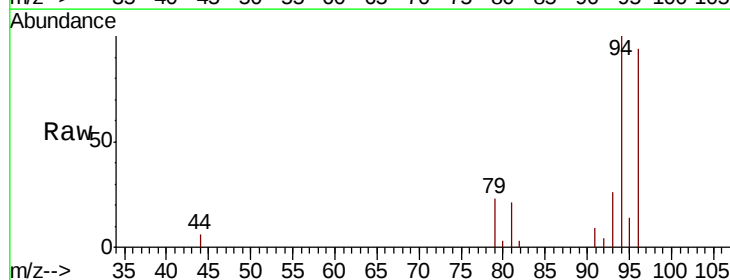
Acq: 24 Nov 2020 18:08

Tgt Ion: 94 Resp: 9947

Ion Ratio Lower Upper

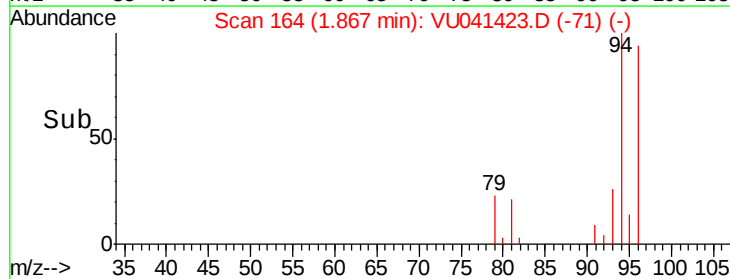
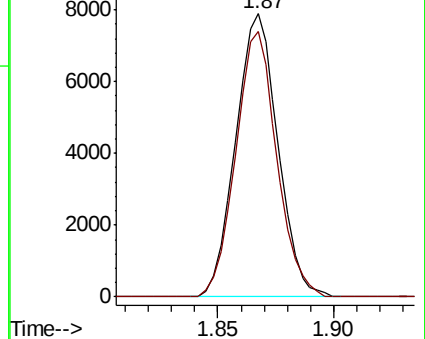
94 100

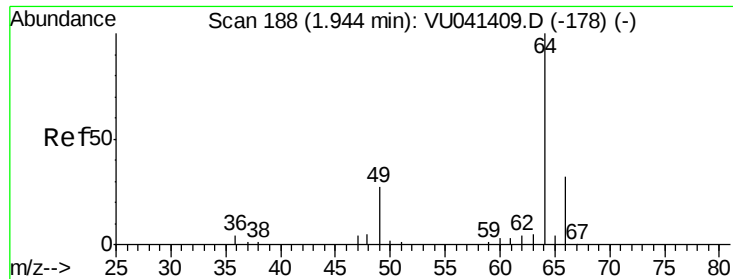
96 93.9 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

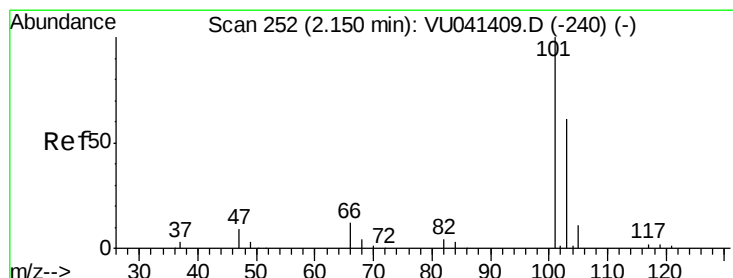
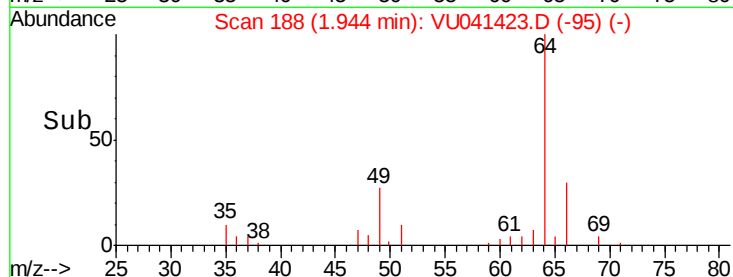
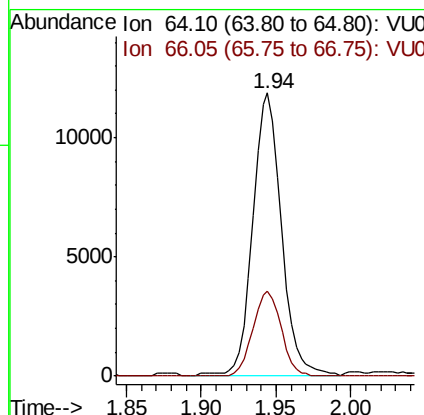
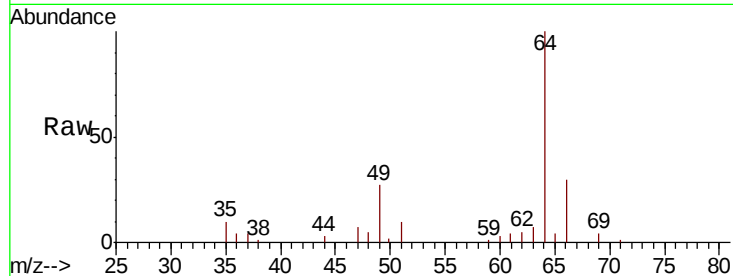




#8
Chloroethane
Concen: 5.008 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

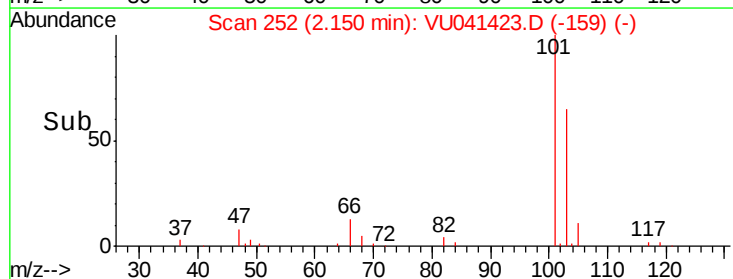
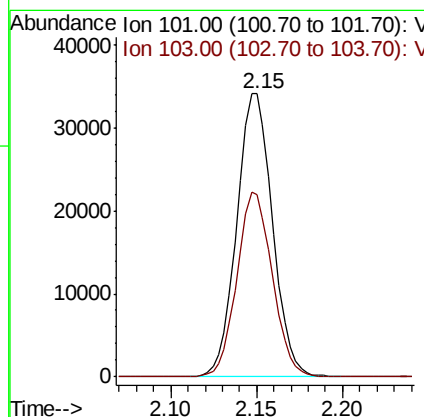
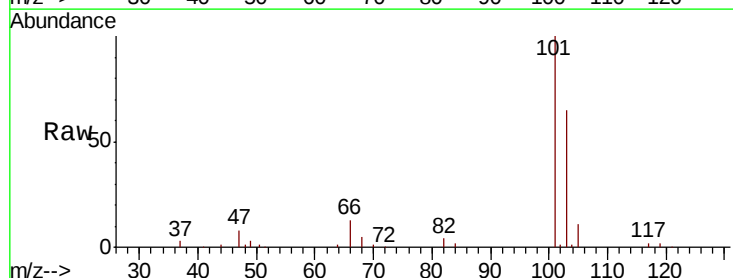
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

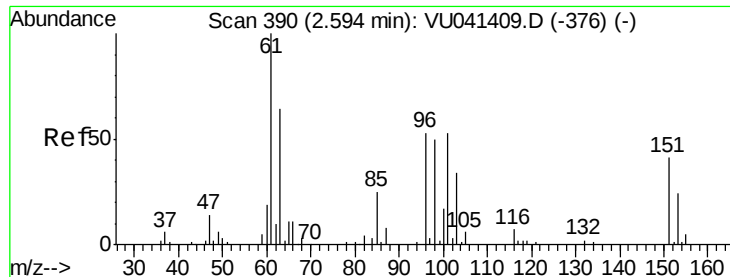
Tot Ion: 64 Resp: 15879
Ion Ratio Lower Upper
64 100
66 29.8 24.6 45.8



#9
Trichlorofluoromethane
Concen: 5.677 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion:101 Resp: 49166
Ion Ratio Lower Upper
101 100
103 64.4 51.4 77.2





#10

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

Concen: 5.022 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

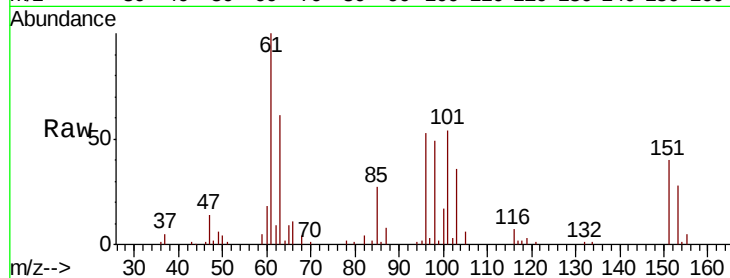
Tot Ion:101 Resp: 22405

Ion Ratio Lower Upper

101 100

85 48.5 35.1 52.7

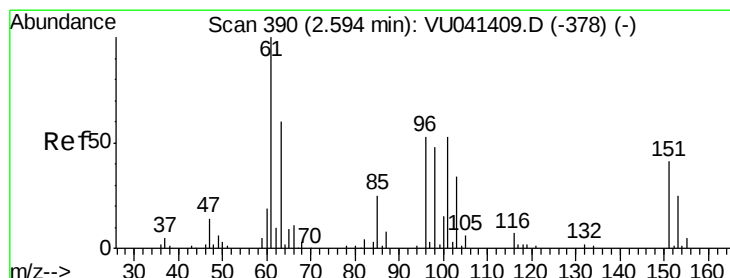
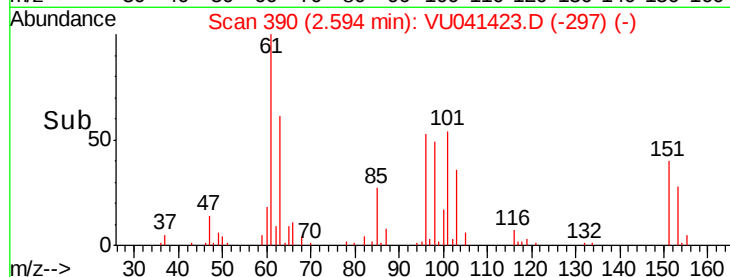
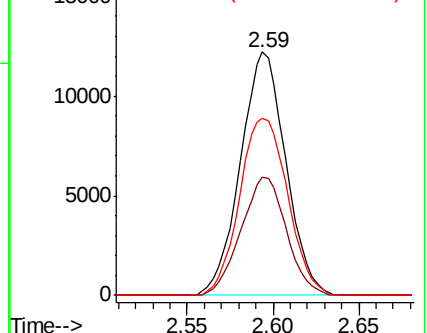
151 76.9 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.060 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

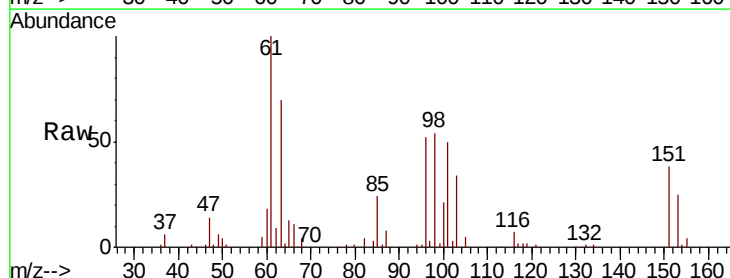
Tgt Ion: 96 Resp: 19941

Ion Ratio Lower Upper

96 100

61 191.7 129.8 241.2

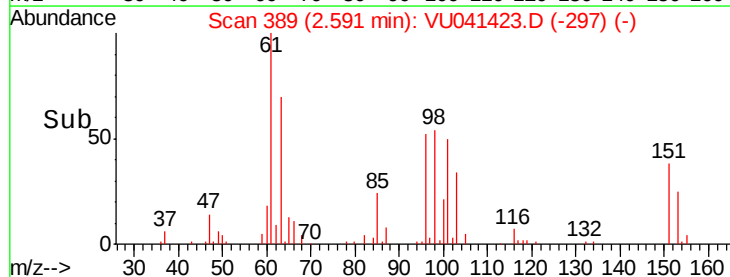
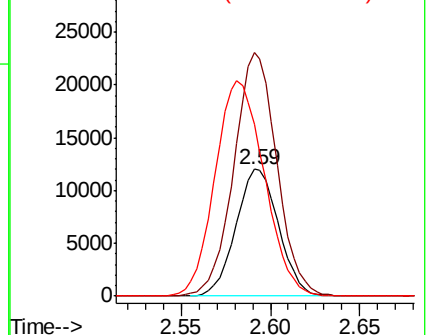
63 134.9 79.2 147.0

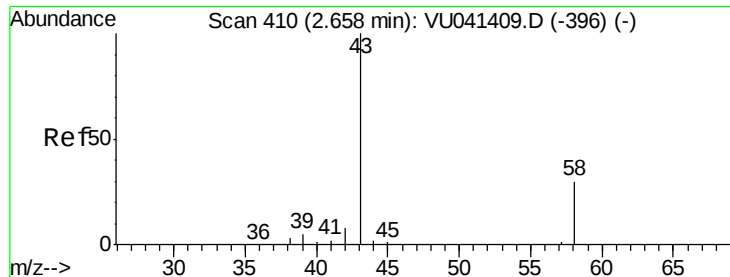


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 63.292 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

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ClientSampleId :

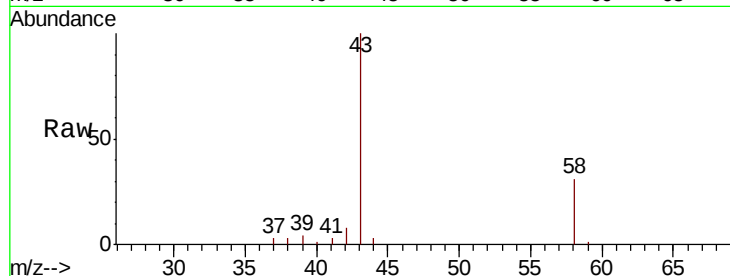
VSTD00512

Tot Ion: 43 Resp: 49016

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU041409.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041409.D (-396) (-)

2.66

15000

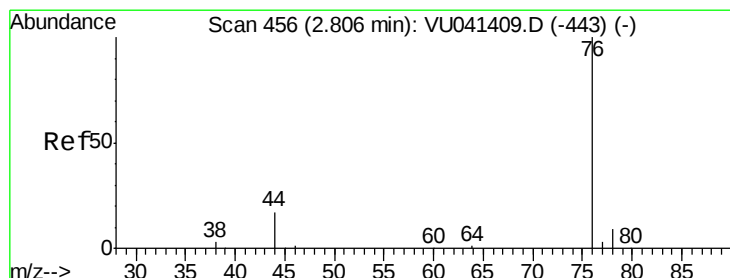
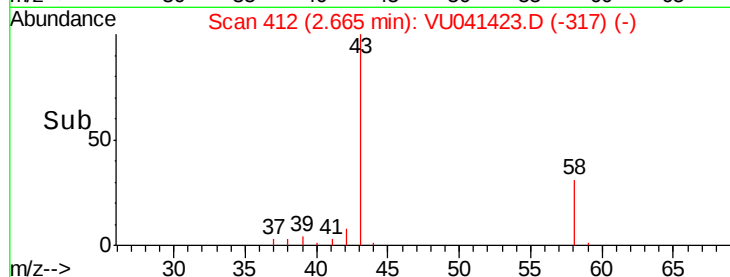
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5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.599 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU041423.D

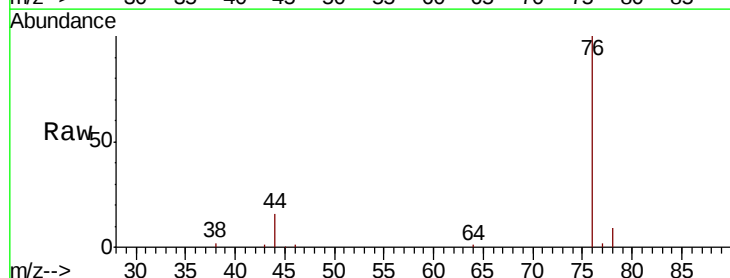
Acq: 24 Nov 2020 18:08

Tgt Ion: 76 Resp: 63302

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU041409.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041409.D (-443) (-)

2.81

40000

30000

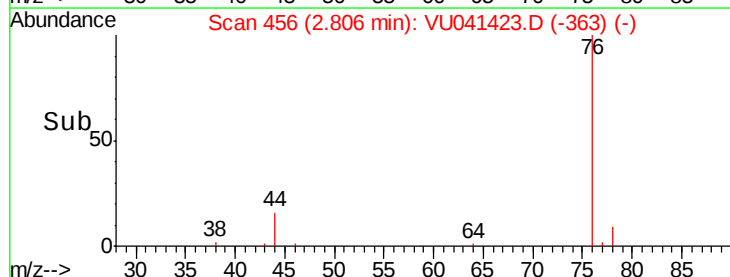
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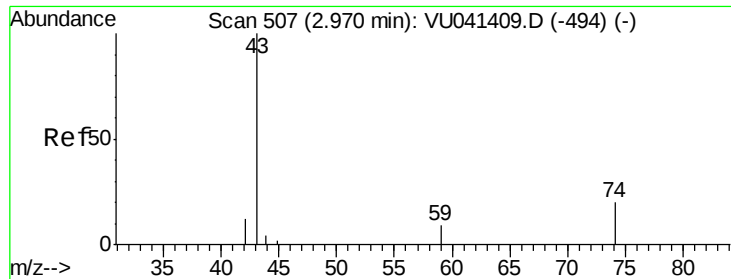
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2.75 2.80 2.85

Time-->

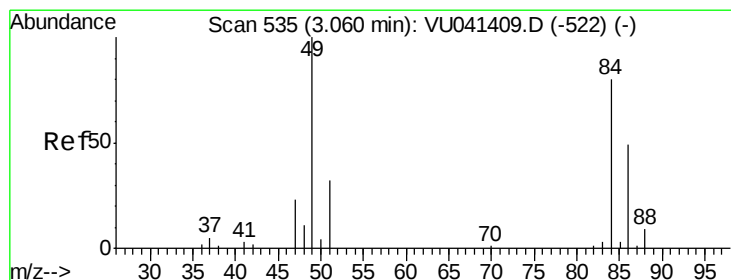
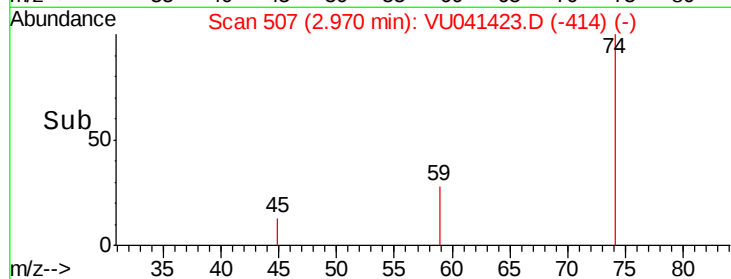
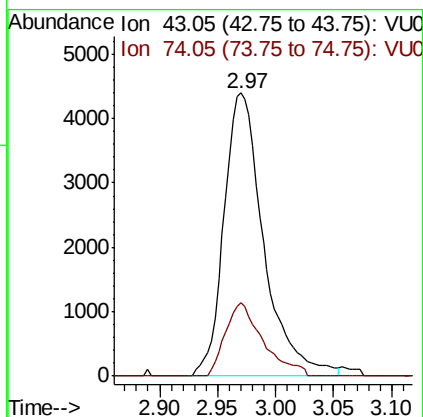
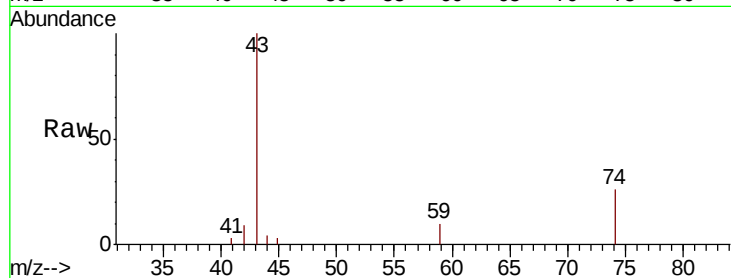




#15
Methvl Acetate
Concen: 5.724 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

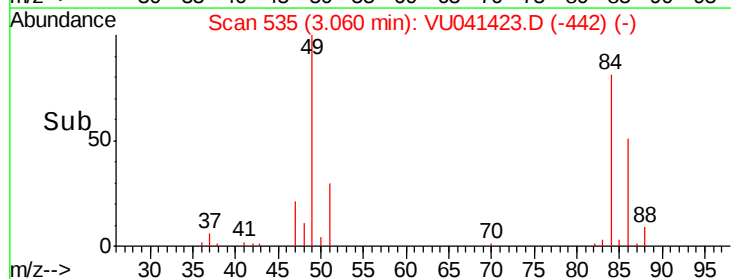
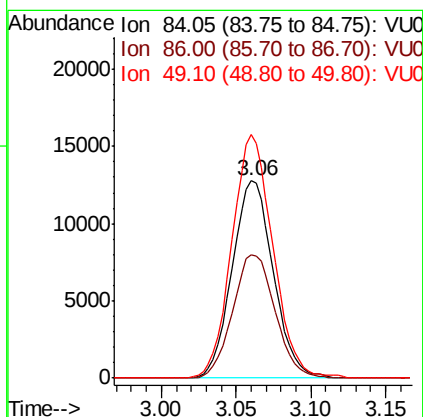
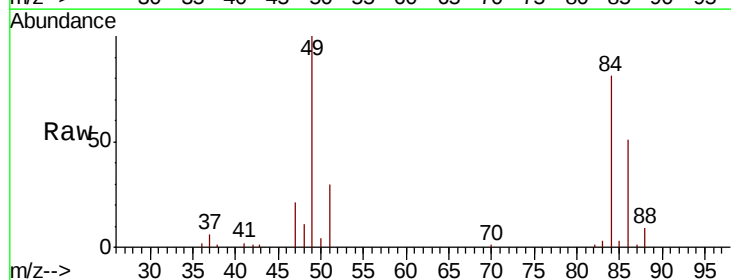
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

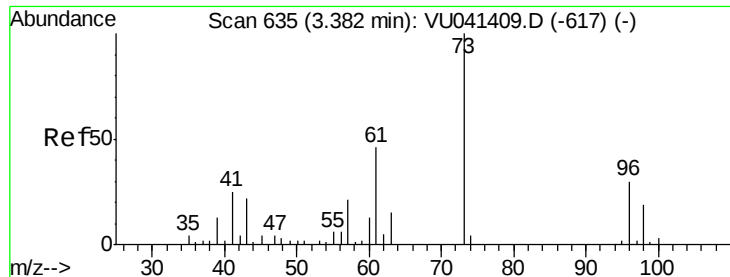
Tot Ion: 43 Resp: 10444
Ion Ratio Lower Upper
43 100
74 24.5 17.0 25.6



#16
Methylene chloride
Concen: 4.355 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion: 84 Resp: 24526
Ion Ratio Lower Upper
84 100
86 62.6 44.4 82.5
49 123.4 89.9 167.0

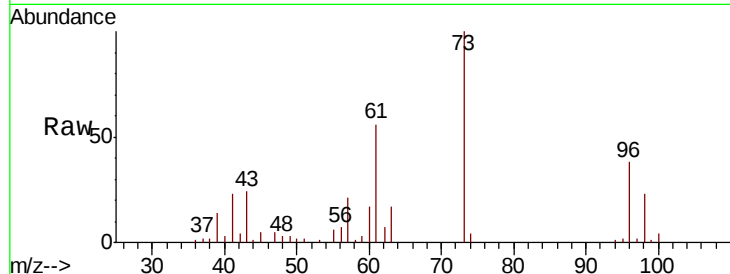




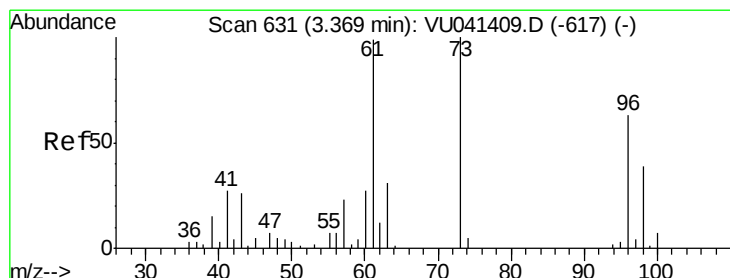
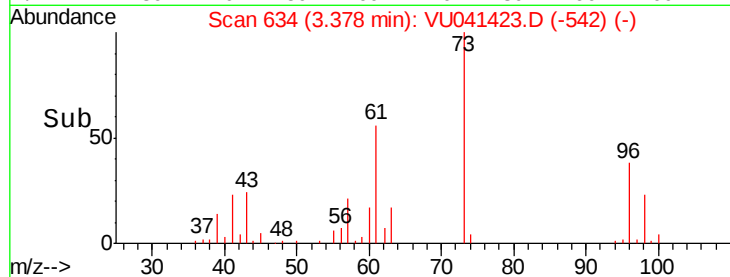
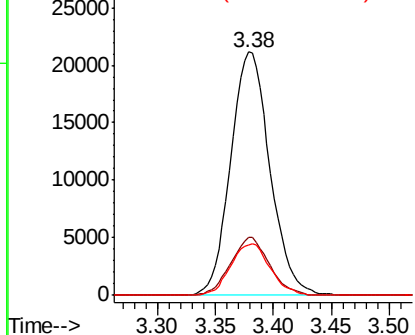
#17
Methvl tert-butvl Ether
Concen: 5.073 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 73 Resp: 49788
Ion Ratio Lower Upper
73 100
43 23.3 18.3 27.5
57 21.2 17.7 26.5

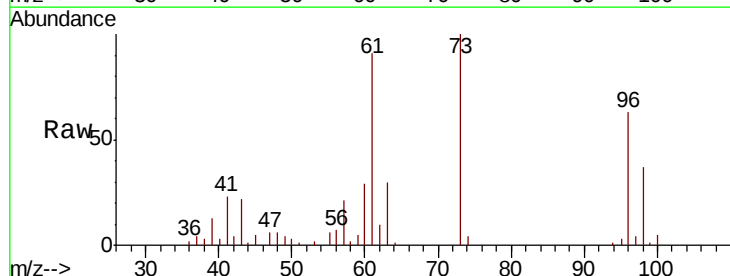


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

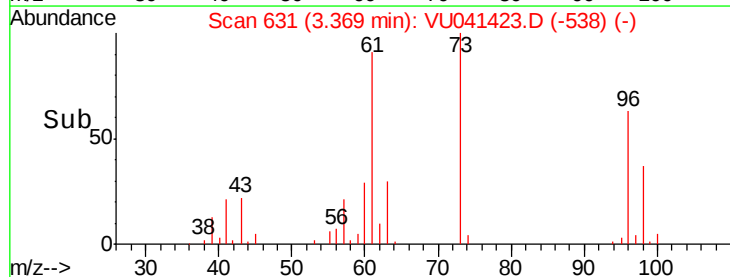
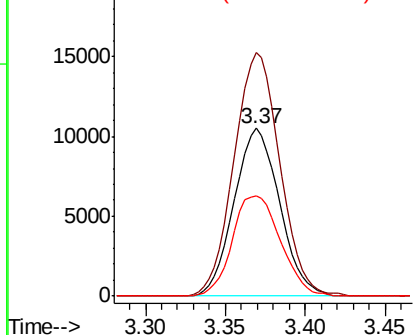


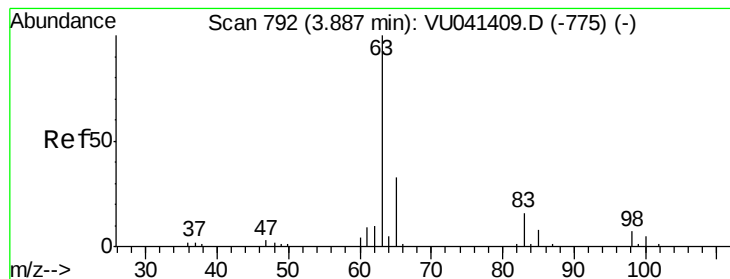
#18
trans-1,2-Dichloroethene
Concen: 4.775 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion: 96 Resp: 20410
Ion Ratio Lower Upper
96 100
61 145.3 103.7 192.5
98 59.5 47.5 88.3



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: 4.675 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

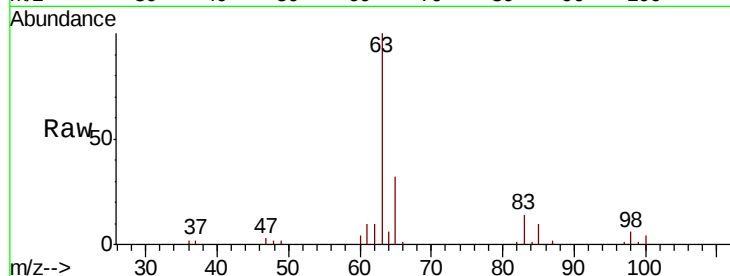
Tot Ion: 63 Resp: 39746

Ion Ratio Lower Upper

63 100

65 32.1 23.0 42.8

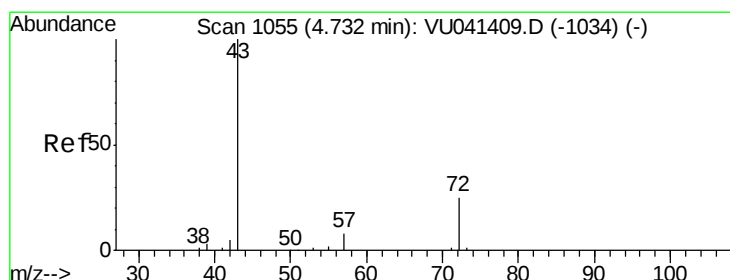
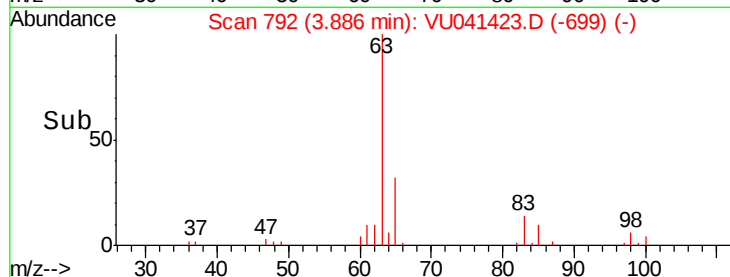
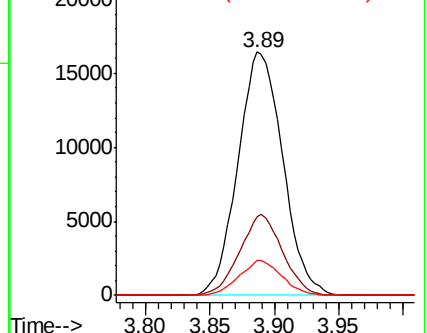
83 14.4 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VU041409.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU041409.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU041409.D (-775) (-)



#21

2-Butanone

Concen: 57.623 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU041423.D

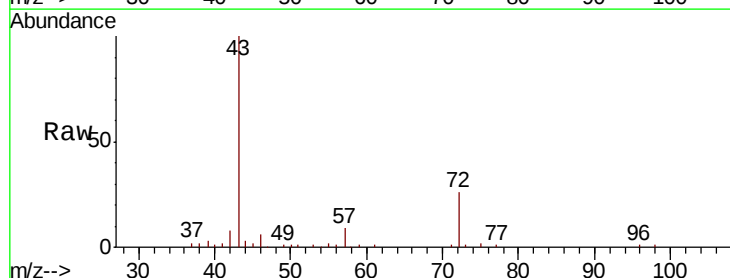
Acq: 24 Nov 2020 18:08

Tgt Ion: 43 Resp: 70879

Ion Ratio Lower Upper

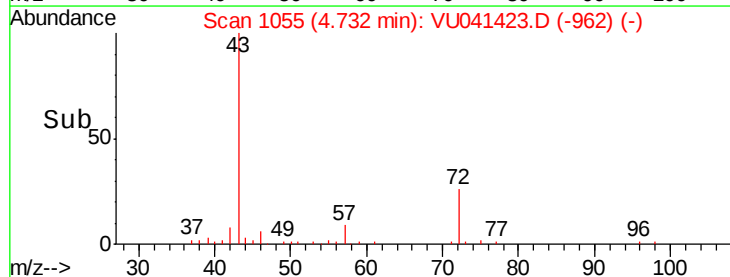
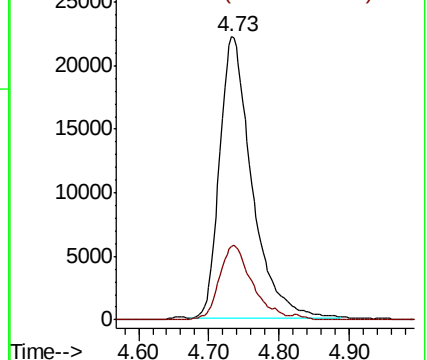
43 100

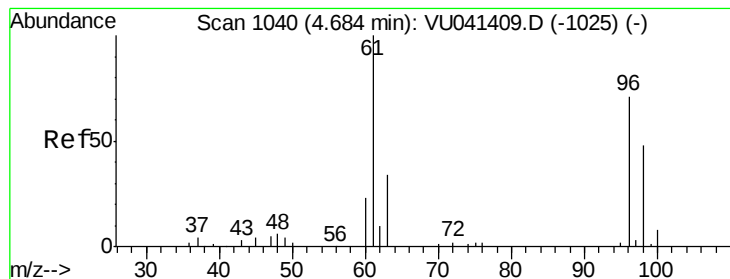
72 26.9 12.6 37.6



Abundance Ion 43.05 (42.75 to 43.75): VU041409.D (-1034) (-)

Ion 72.10 (71.80 to 72.80): VU041409.D (-1034) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.797 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

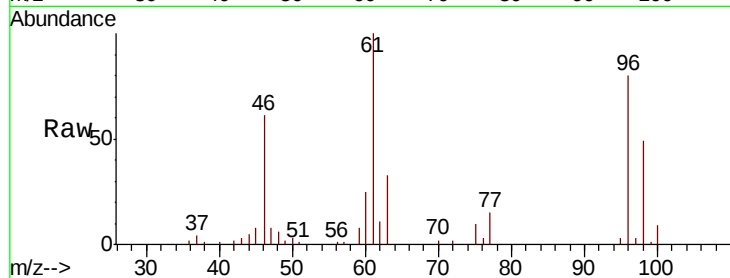
Tot Ion: 96 Resp: 21803

Ion Ratio Lower Upper

96 100

61 125.3 95.3 176.9

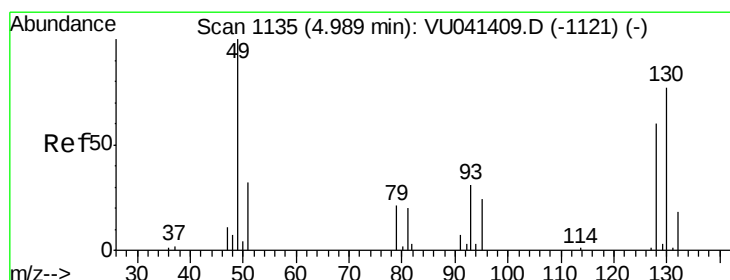
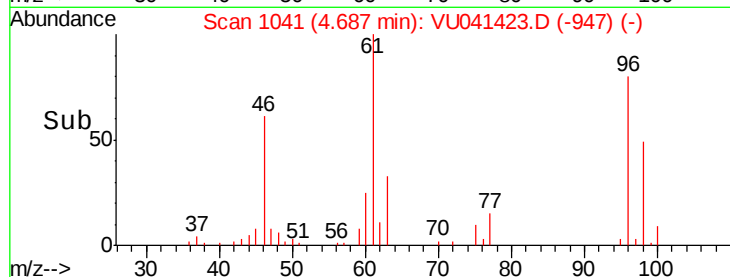
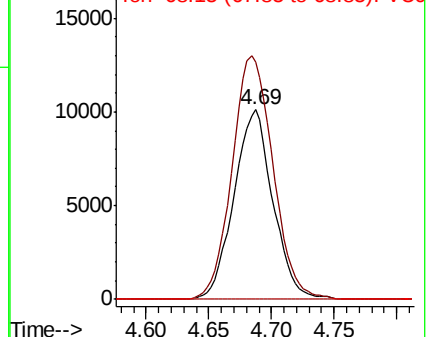
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041409.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU041409.D (-1025) (-)

Ion 68.15 (67.85 to 68.85): VU041409.D (-1025) (-)



#23

Bromochloromethane

Concen: 5.630 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Tgt Ion:128 Resp: 11300

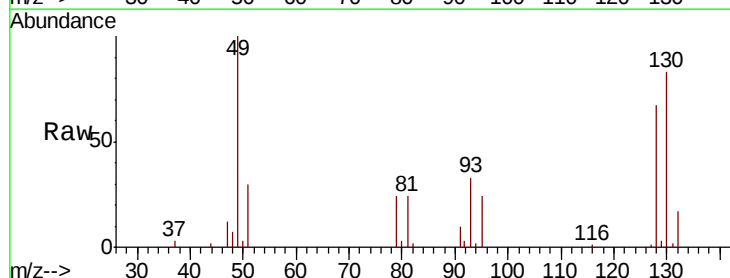
Ion Ratio Lower Upper

128 100

49 148.4 118.9 220.9

130 123.9 88.3 163.9

51 44.9 43.2 64.8

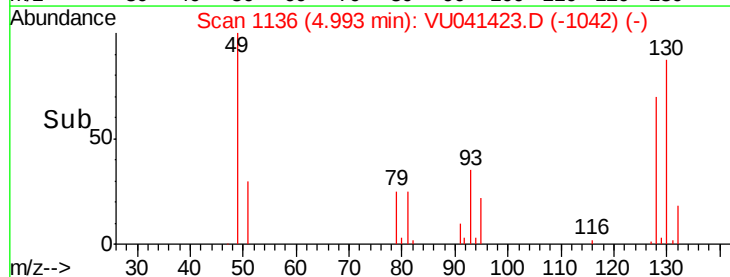
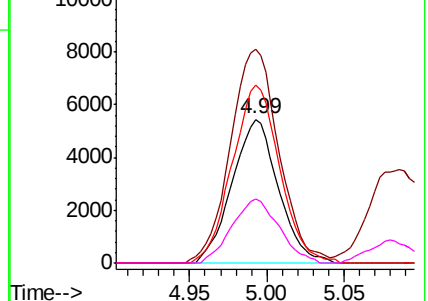


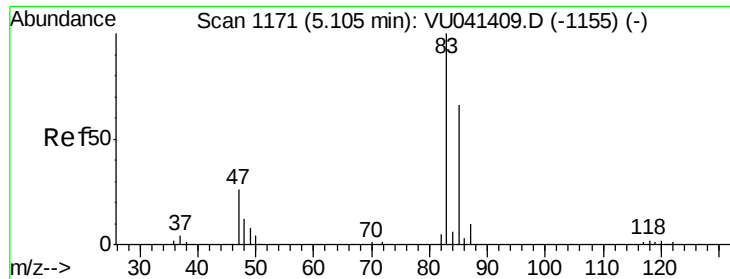
Abundance Ion 127.90 (127.60 to 128.60): VU041409.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU041409.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU041409.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU041409.D (-1121) (-)

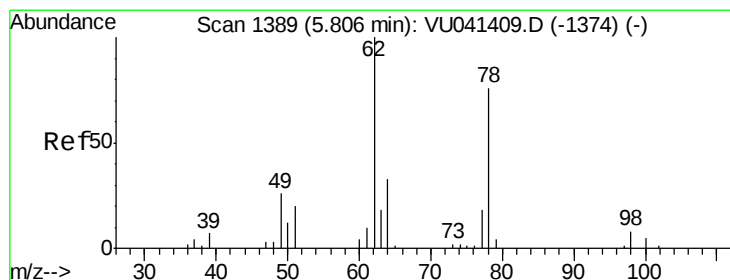
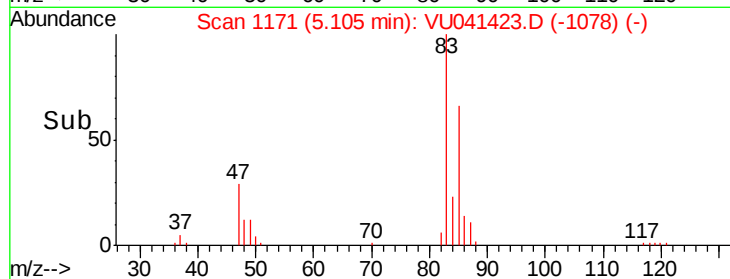
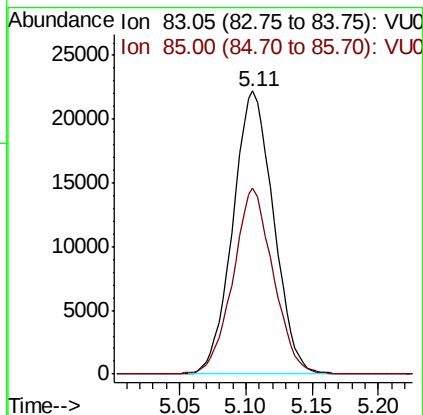
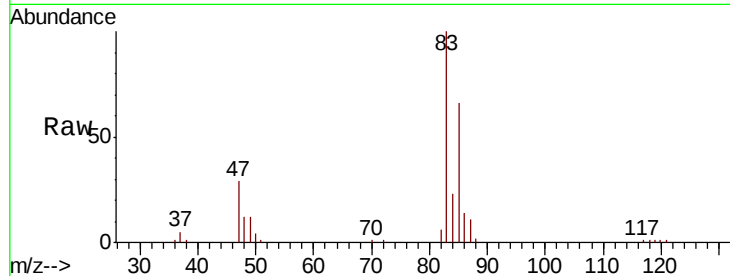




#25
Chloroform
Concen: 5.073 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

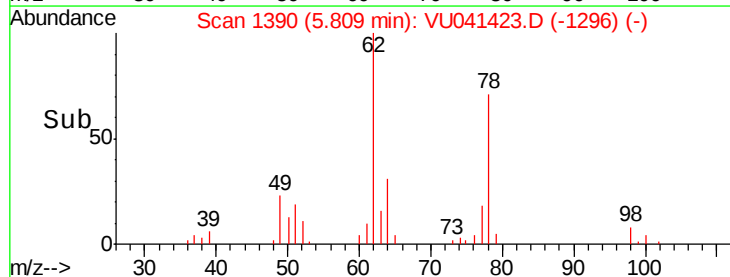
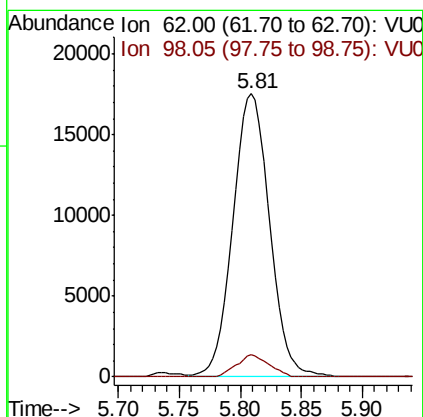
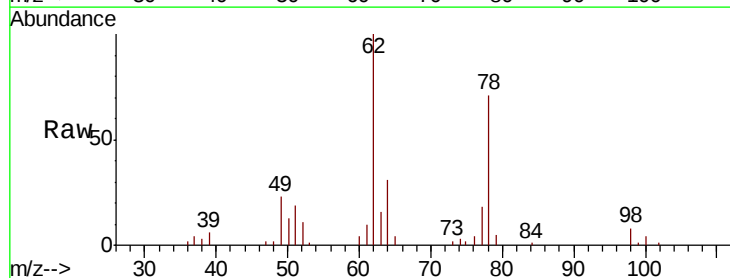
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

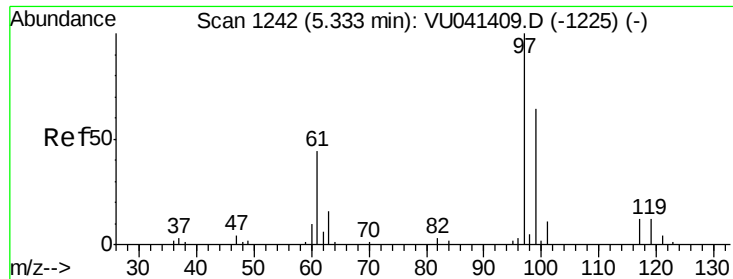
Tot Ion: 83 Resp: 47392
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9



#27
1,2-Dichloroethane
Concen: 6.013 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion: 62 Resp: 36576
Ion Ratio Lower Upper
62 100
98 7.7 6.0 9.0

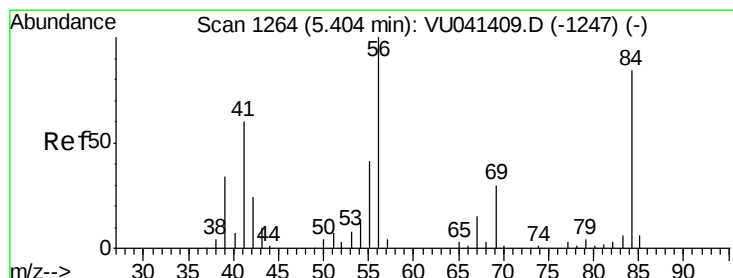
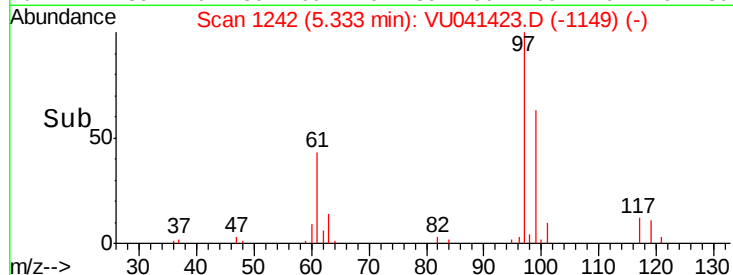
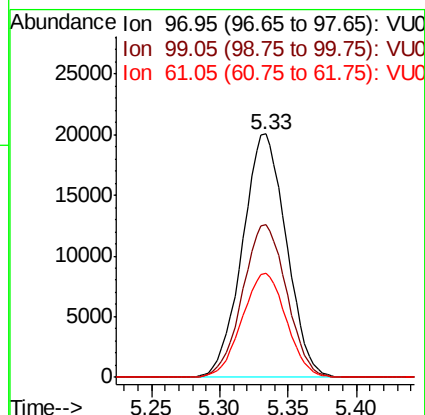
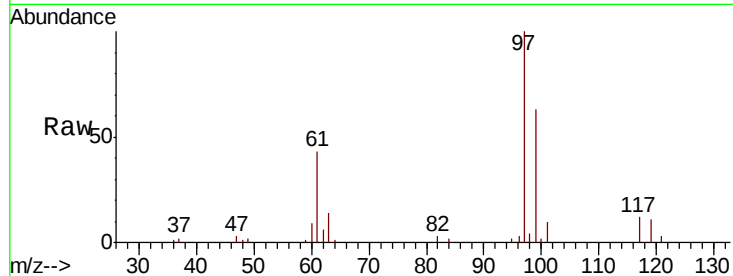




#29
1,1,1-Trichloroethane
Concen: 5.261 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

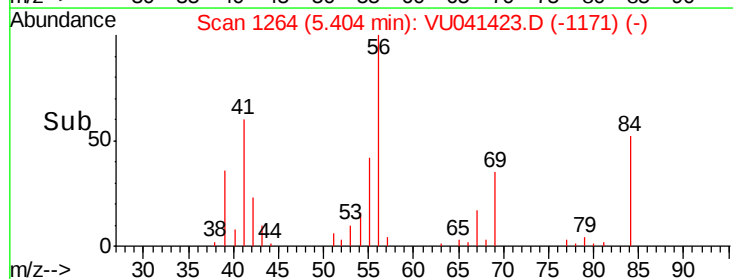
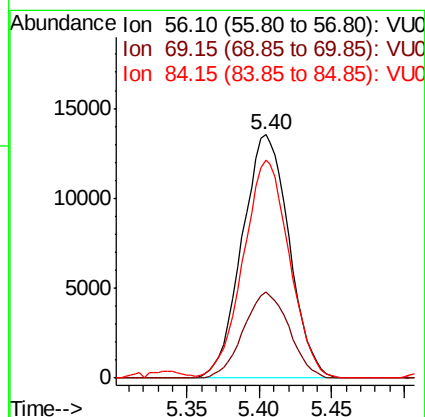
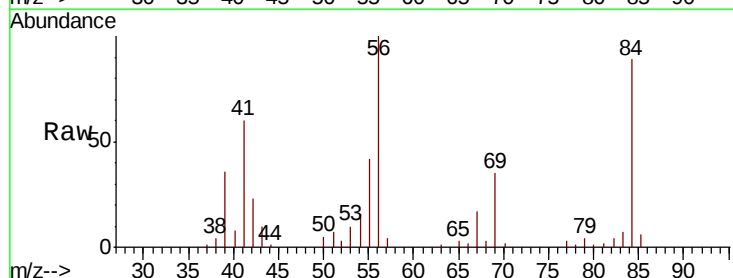
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

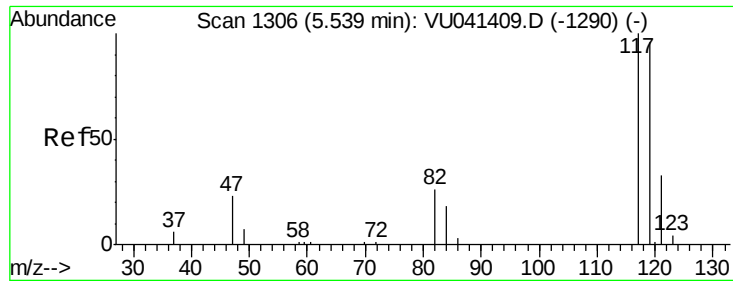
Tot Ion: 97 Resp: 44758
Ion Ratio Lower Upper
97 100
99 62.9 51.8 77.6
61 43.2 37.8 56.6



#30
Cyclohexane
Concen: 4.203 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion: 56 Resp: 30487
Ion Ratio Lower Upper
56 100
69 34.2 23.8 35.6
84 88.3 64.6 97.0





#31

Carbon tetrachloride

Concen: 5.256 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

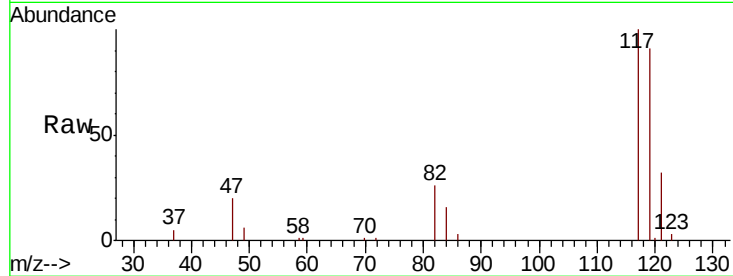
VSTD00512

Tot Ion:117 Resp: 40238

Ion Ratio Lower Upper

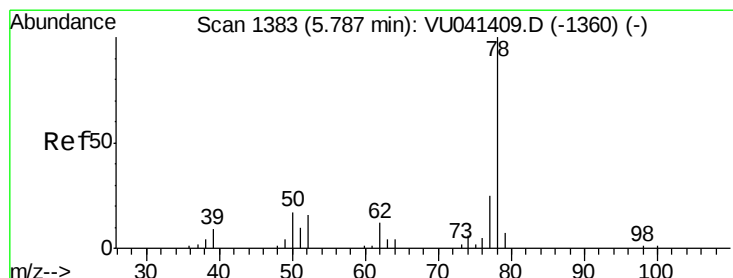
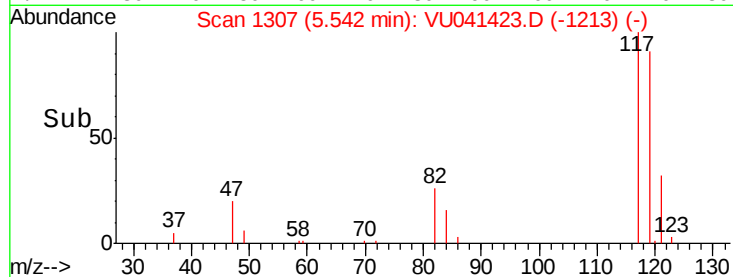
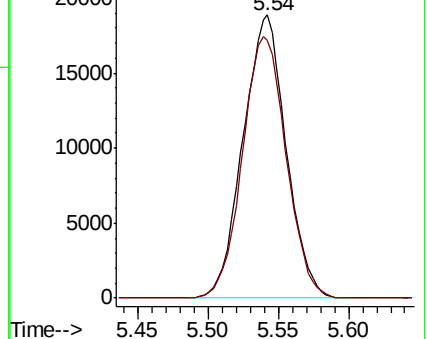
117 100

119 94.0 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.657 ug/L

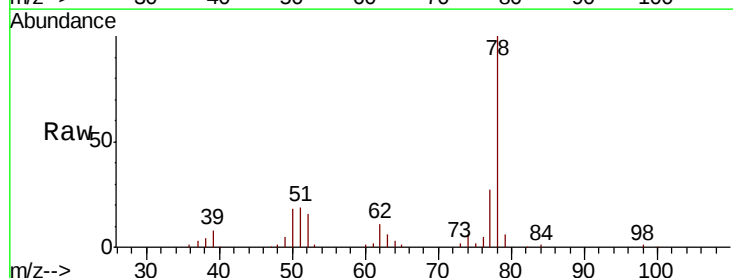
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

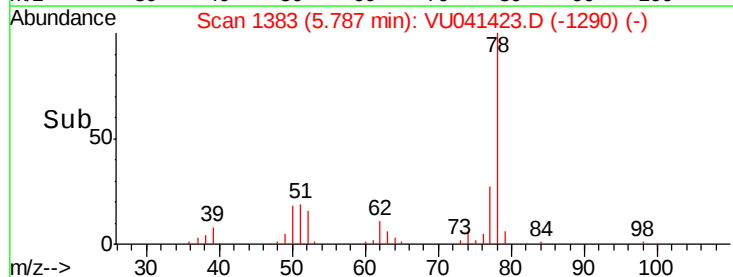
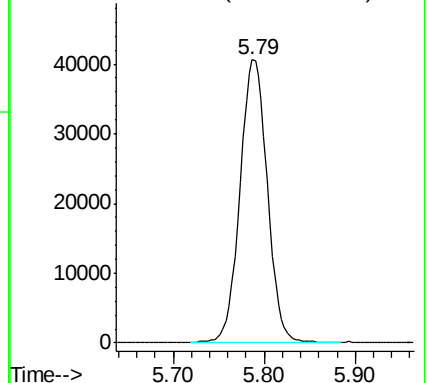
Lab File: VU041423.D

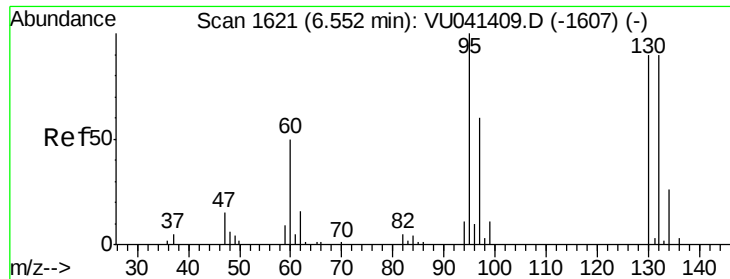
Acq: 24 Nov 2020 18:08

Tgt Ion: 78 Resp: 85052



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.851 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

Tot Ion: 95 Resp: 24130

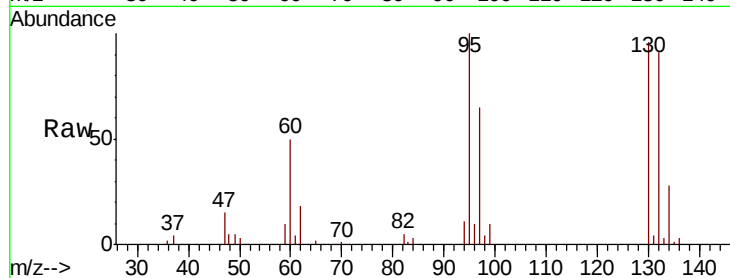
Ion Ratio Lower Upper

95 100

97 65.1 46.5 86.5

132 91.2 60.8 113.0

130 95.8 63.3 117.7

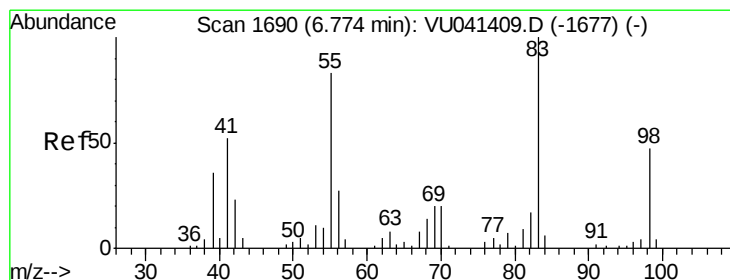
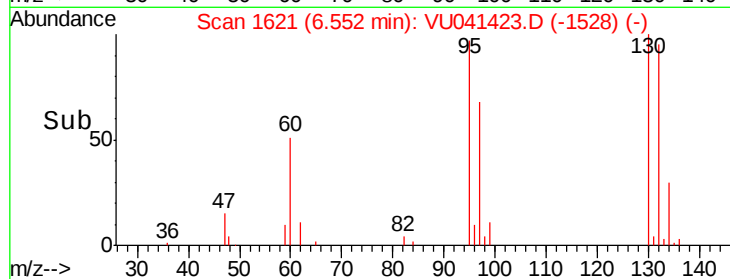
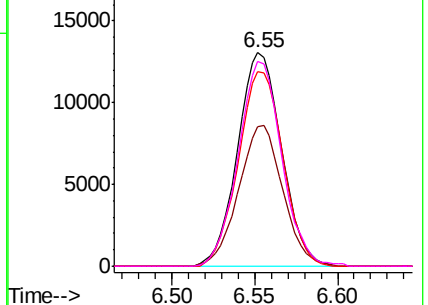


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.574 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

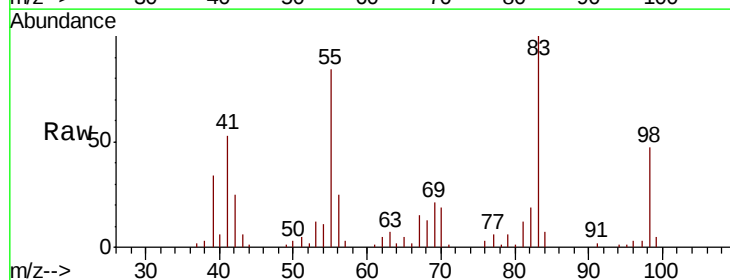
Tgt Ion: 83 Resp: 33172

Ion Ratio Lower Upper

83 100

55 82.1 68.4 102.6

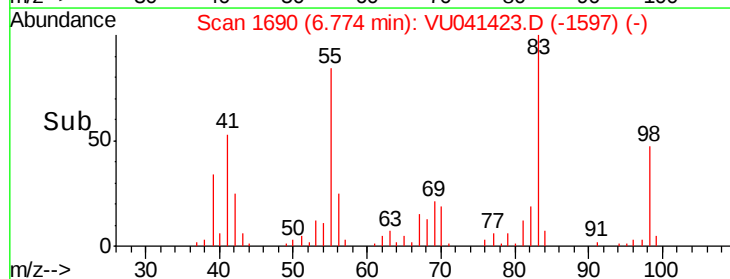
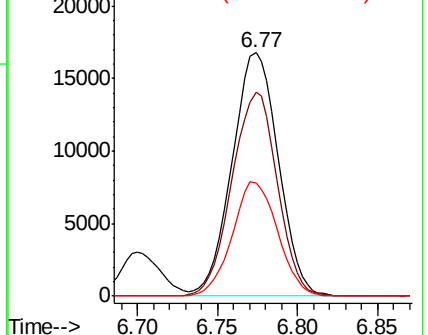
98 46.0 36.5 54.7

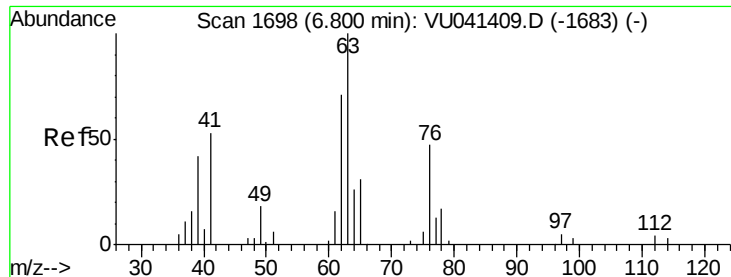


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

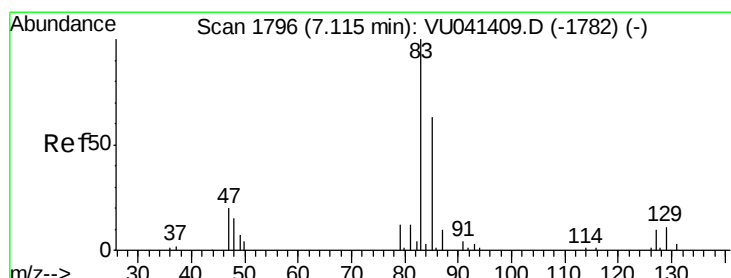
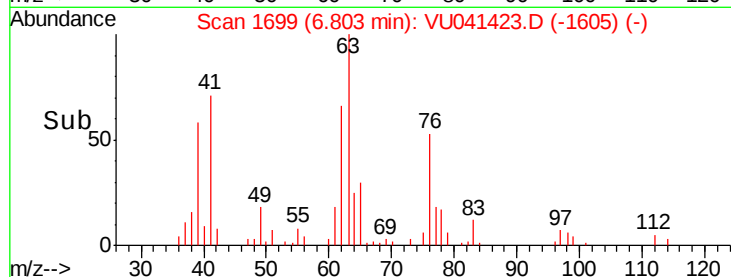
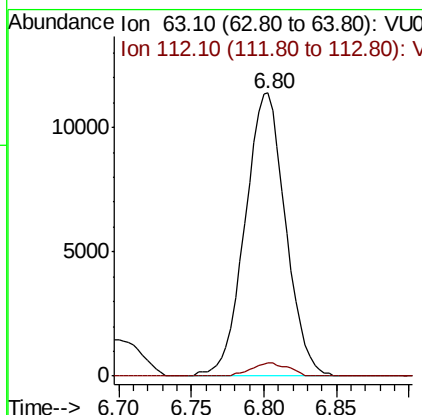
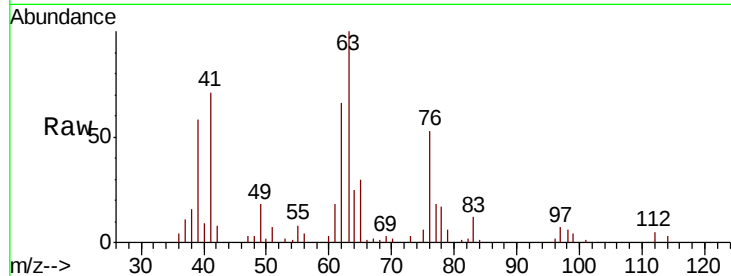




#37
 1,2-Dichloropropane
 Concen: 4.418 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

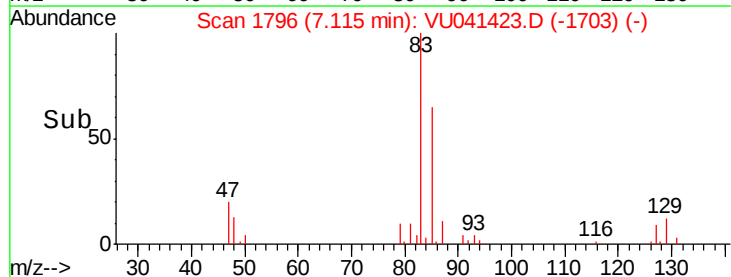
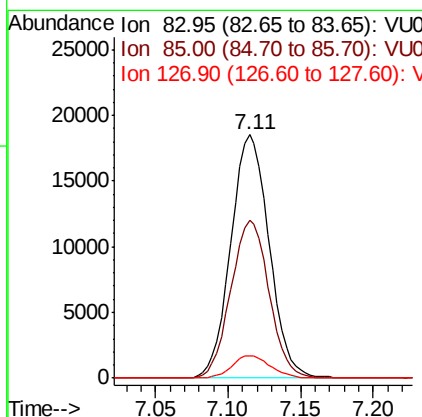
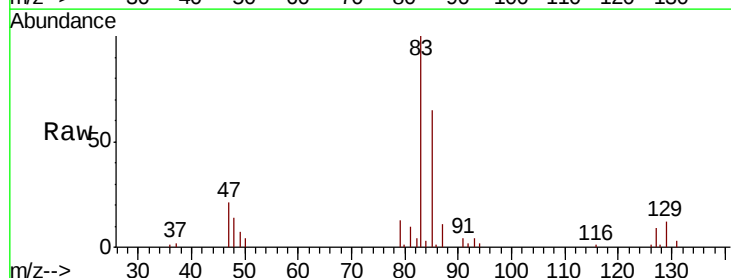
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

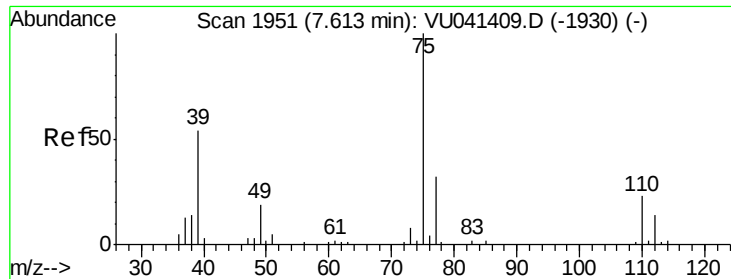
Tot Ion: 63 Resp: 22137
 Ion Ratio Lower Upper
 63 100
 112 4.3 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 5.003 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Tgt Ion: 83 Resp: 33945
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.7 84.9
 127 9.2 7.1 10.7

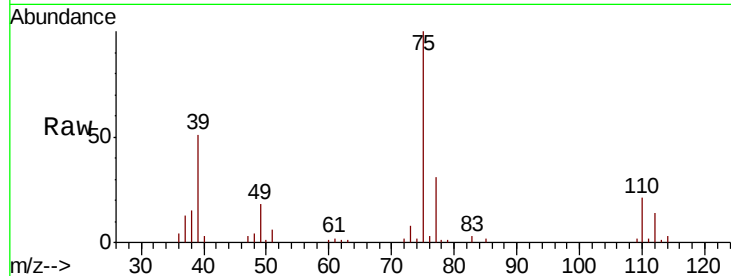




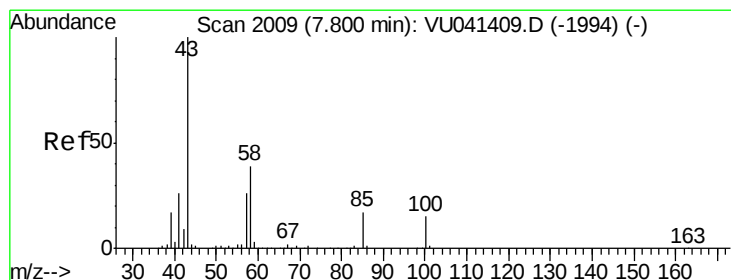
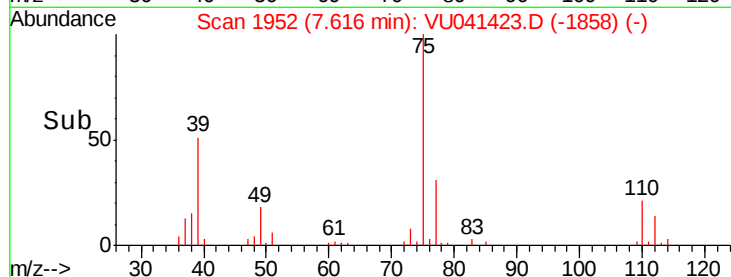
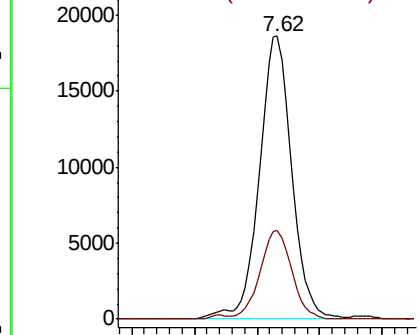
#39
 cis-1,3-Dichloropropene
 Concen: 4.840 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 75 Resp: 33473
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1

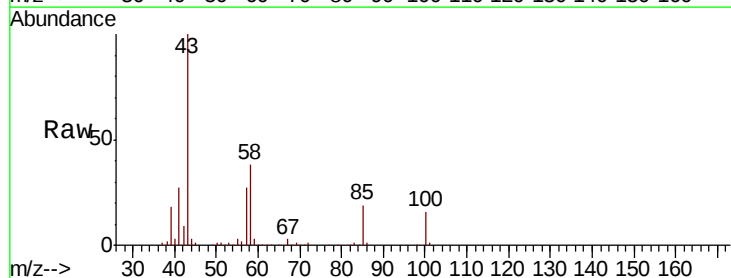


Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 77.05 (76.75 to 77.75): VU0

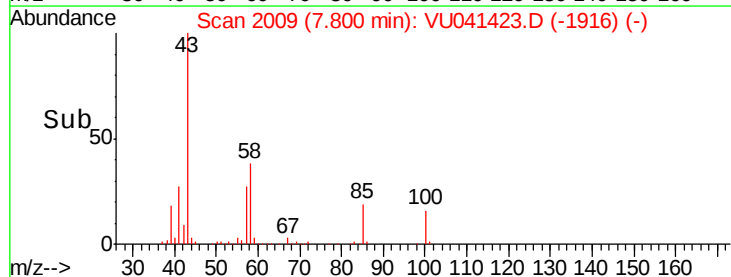
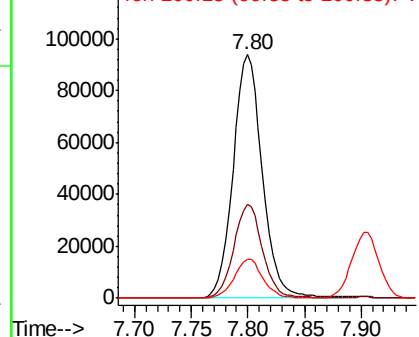


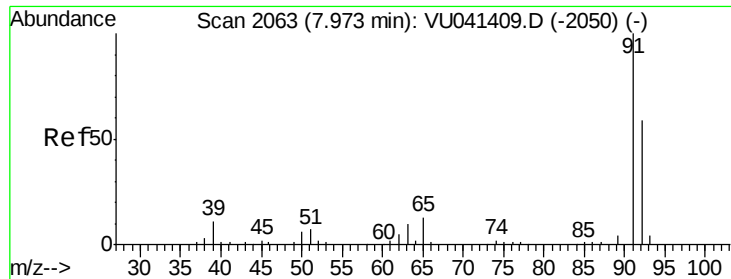
#40
 4-Methyl-2-pentanone
 Concen: 54.666 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Tgt Ion: 43 Resp: 168069
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.8 44.8
 100 15.7 10.9 16.3



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: 4.901 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

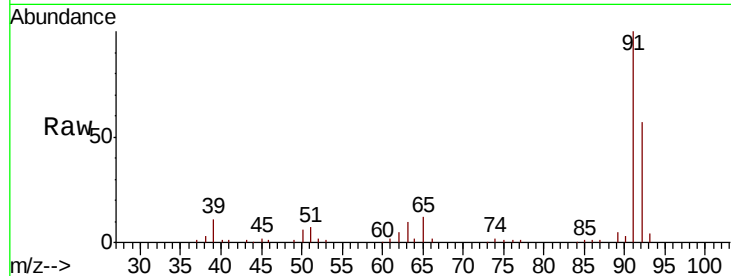
VSTD00512

Tot Ion: 91 Resp: 95440

Ion Ratio Lower Upper

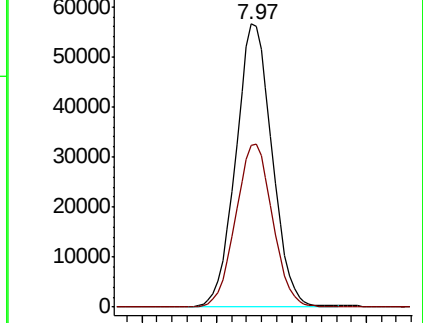
91 100

92 57.2 39.3 72.9

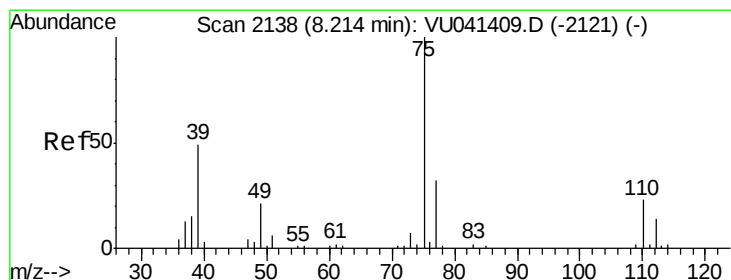
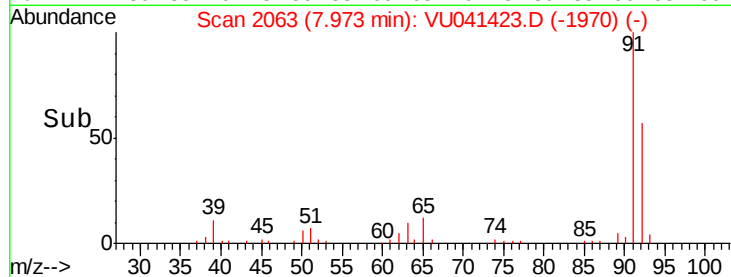


Abundance Ion 91.15 (90.85 to 91.85): VU041409.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU041409.D (-2050) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.213 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041423.D

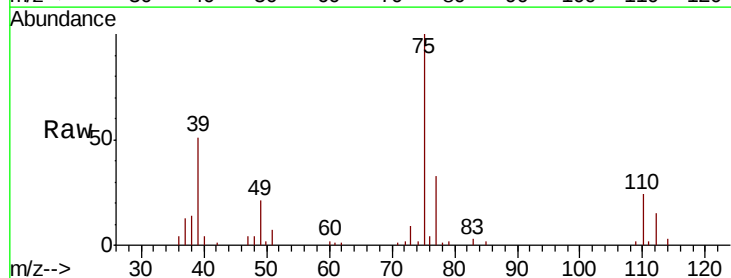
Acq: 24 Nov 2020 18:08

Tgt Ion: 75 Resp: 32898

Ion Ratio Lower Upper

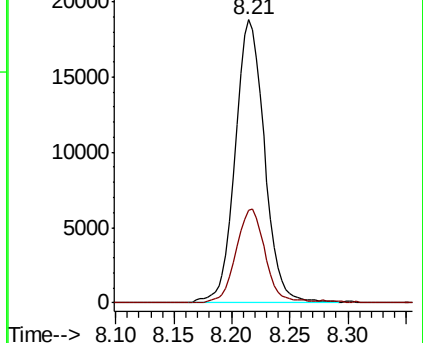
75 100

77 32.8 21.7 40.3

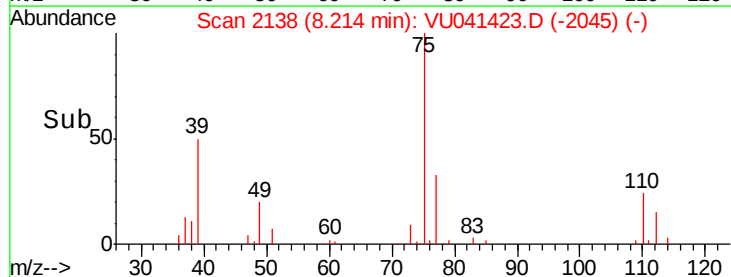


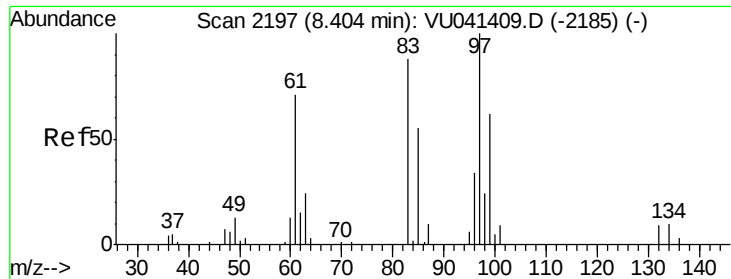
Abundance Ion 75.05 (74.75 to 75.75): VU041409.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041409.D (-2121) (-)



Time-->

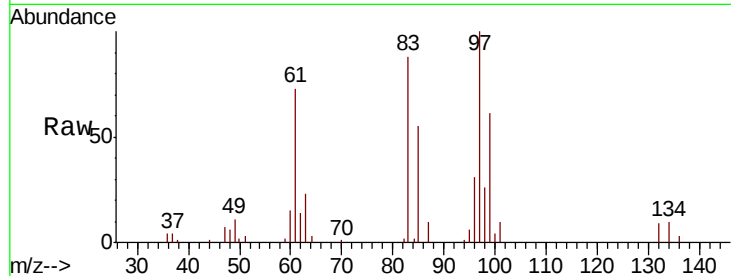




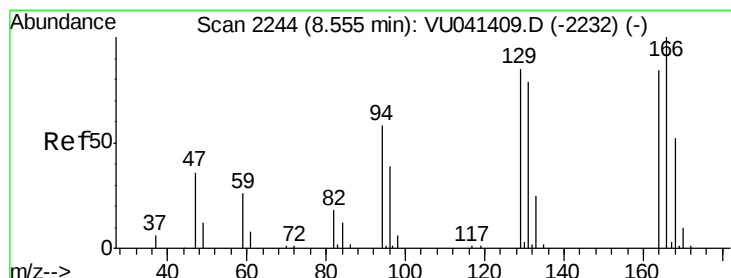
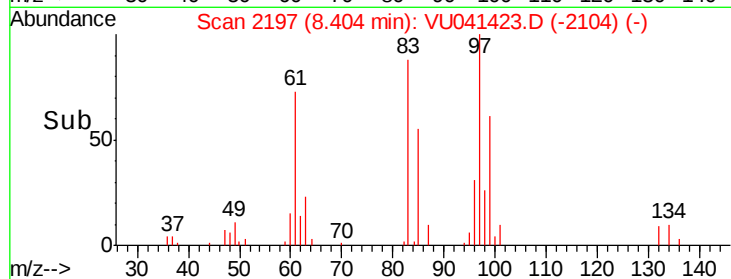
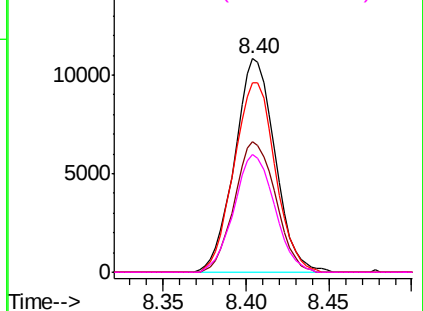
#45
1,1,2-Trichloroethane
Concen: 5.367 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:	97	Resp:	18431
Ion	Ratio	Lower	Upper
97	100		
99	61.2	41.5	77.1
83	88.5	65.5	121.6
85	55.2	40.1	74.5

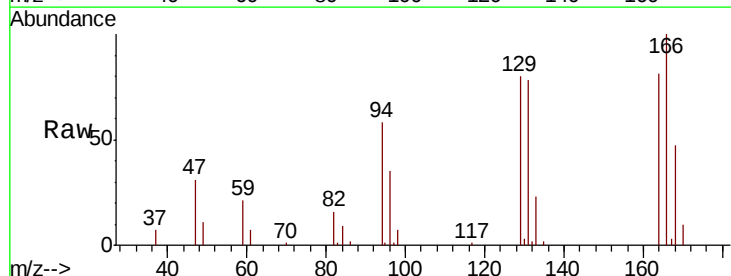


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

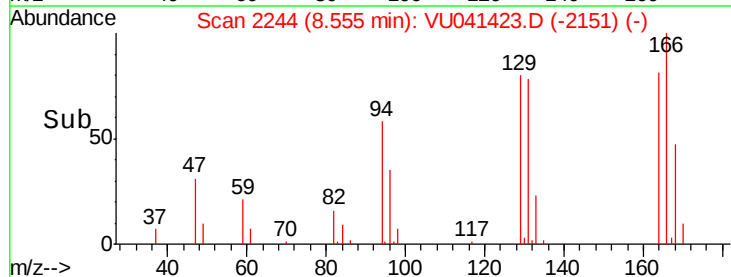
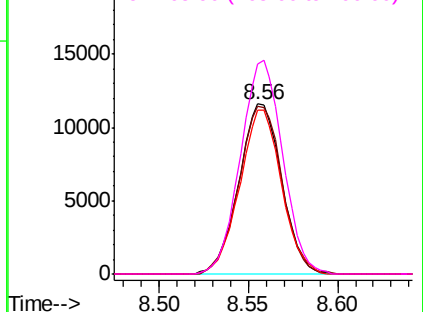


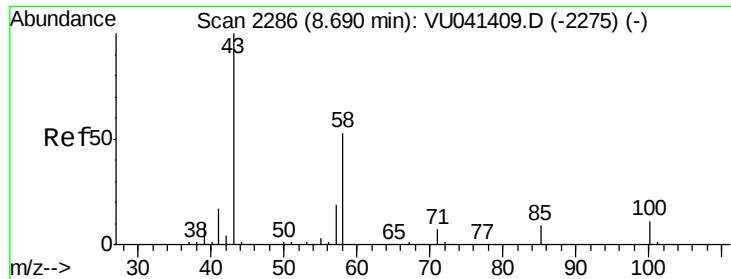
#47
Tetrachloroethene
Concen: 5.187 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion:	164	Resp:	19316
Ion	Ratio	Lower	Upper
164	100		
129	98.7	71.0	131.9
131	96.4	69.0	128.1
166	123.8	92.4	171.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

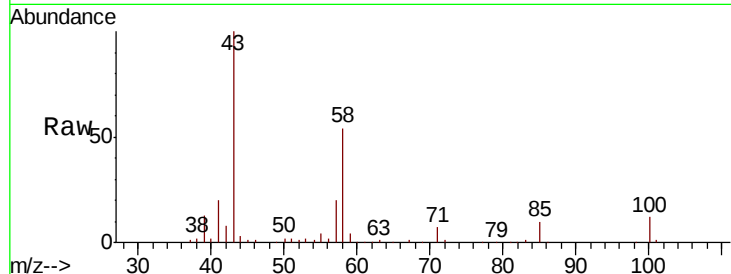




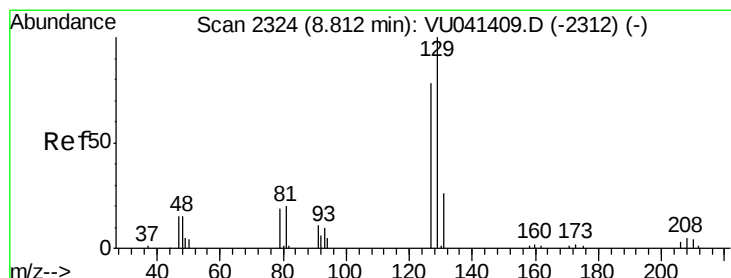
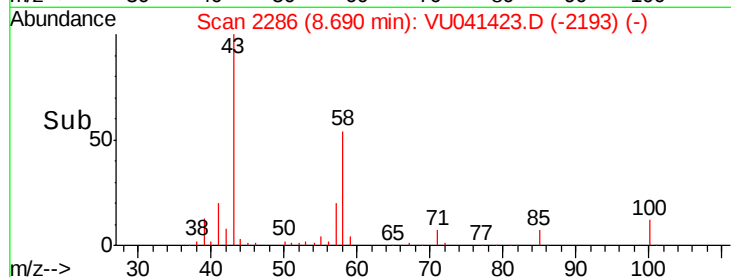
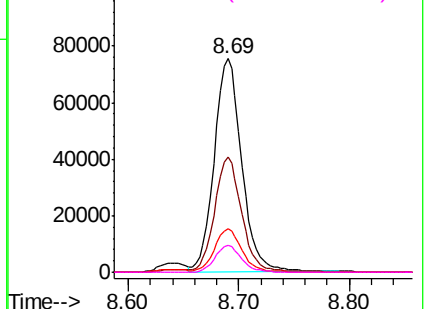
#48
2-Hexanone
Concen: 57.638 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 43 Resp: 130003
Ion Ratio Lower Upper
43 100
58 53.0 42.0 63.0
57 19.9 15.0 22.4
100 12.2 8.4 12.6

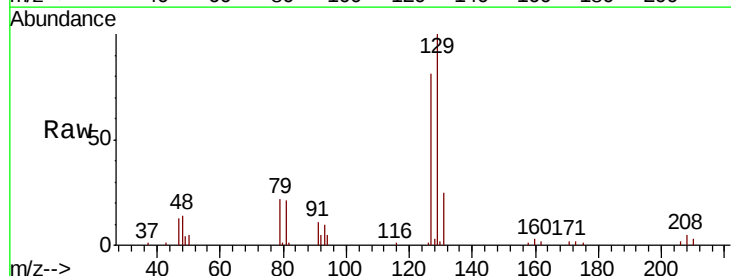


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

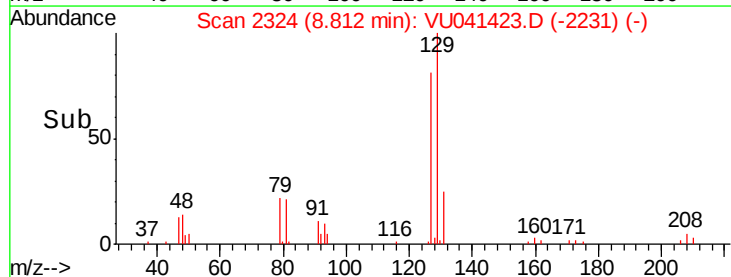
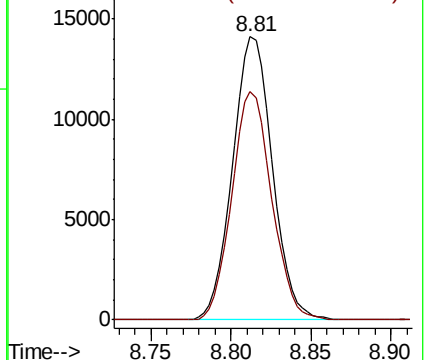


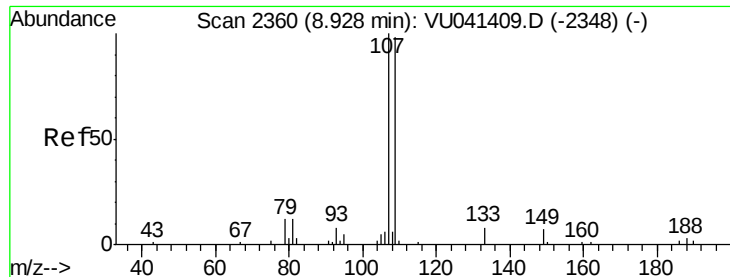
#49
Dibromochloromethane
Concen: 5.472 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion: 129 Resp: 23931
Ion Ratio Lower Upper
129 100
127 80.9 55.6 103.4



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

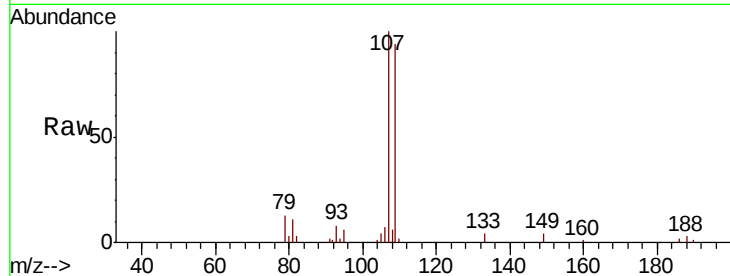




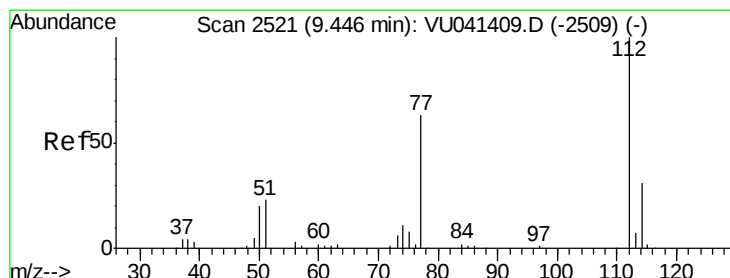
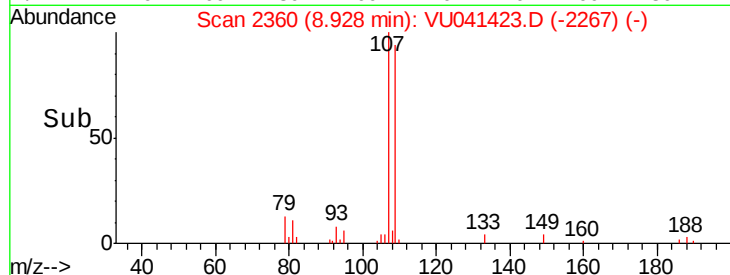
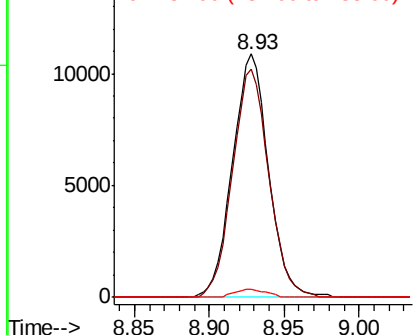
#50
 1,2-Dibromoethane
 Concen: 5.561 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:107 Resp: 18264
 Ion Ratio Lower Upper
 107 100
 109 93.7 63.4 117.8
 188 3.4 2.2 3.4#

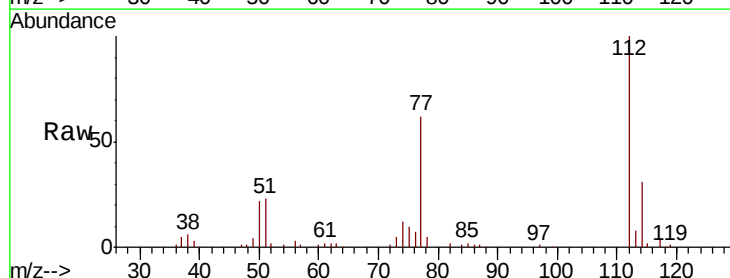


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

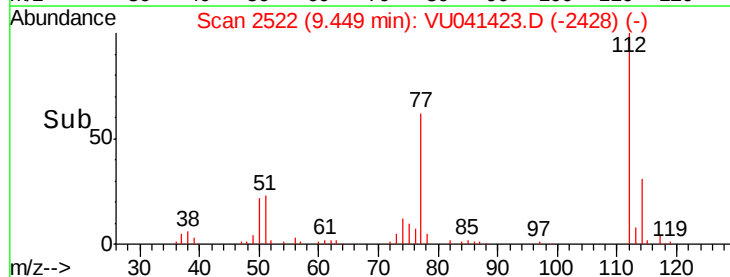
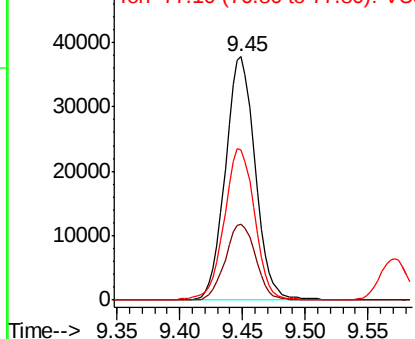


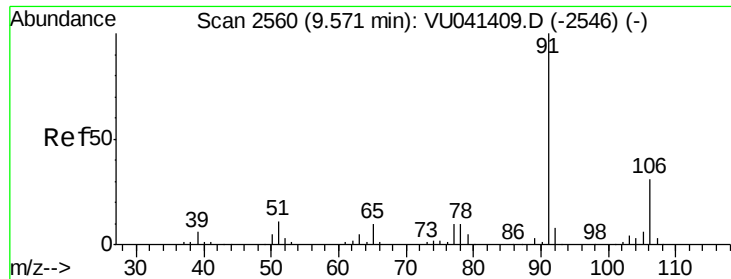
#51
 Chlorobenzene
 Concen: 4.945 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Tgt Ion:112 Resp: 62336
 Ion Ratio Lower Upper
 112 100
 114 31.3 22.3 41.3
 77 61.8 52.2 78.4



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





#52

Ethylbenzene

Concen: 4.987 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

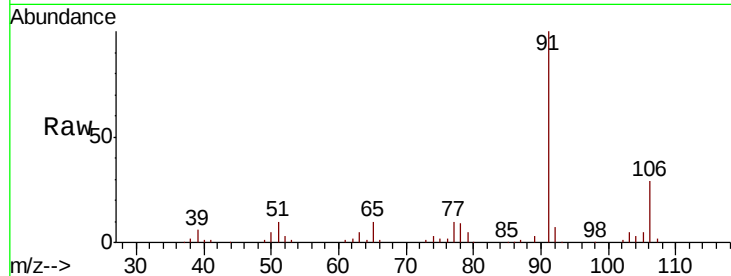
VSTD00512

Tot Ion: 91 Resp: 103812

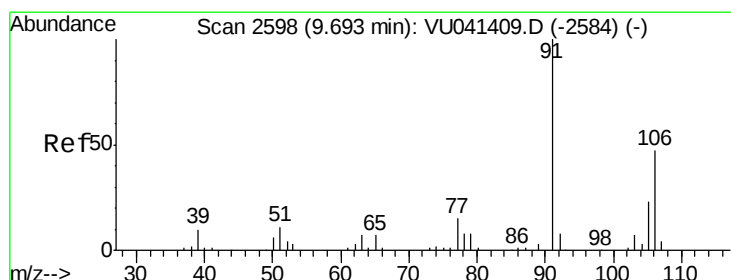
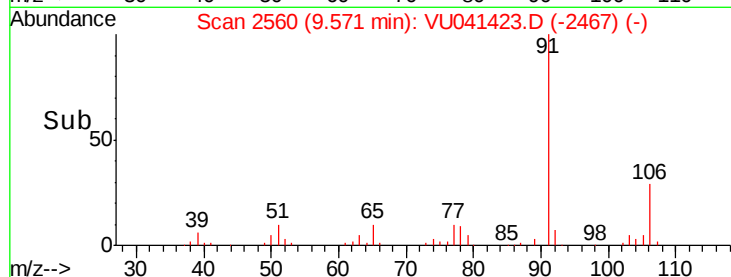
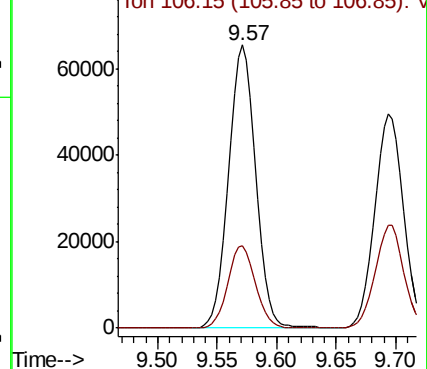
Ion Ratio Lower Upper

91 100

106 29.0 20.6 38.2



Abundance Ion 91.15 (90.85 to 91.85): VU041409.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.222 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU041423.D

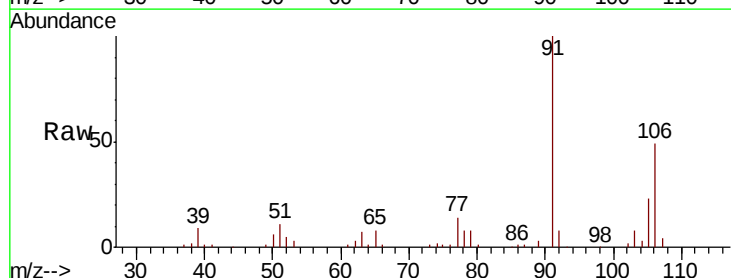
Acq: 24 Nov 2020 18:08

Tgt Ion: 106 Resp: 39811

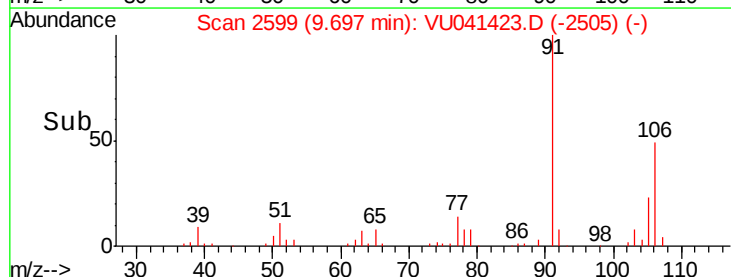
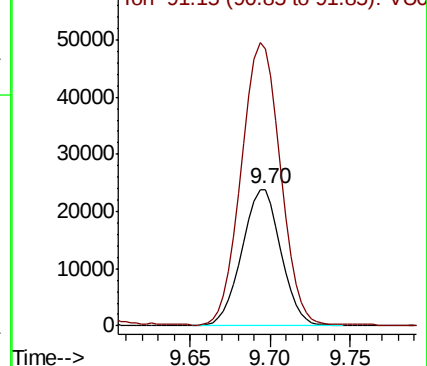
Ion Ratio Lower Upper

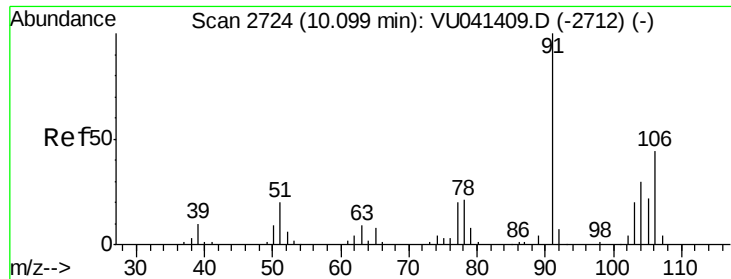
106 100

91 203.6 145.0 269.4



Abundance Ion 106.15 (105.85 to 106.85): VU041409.D (-2584) (-)

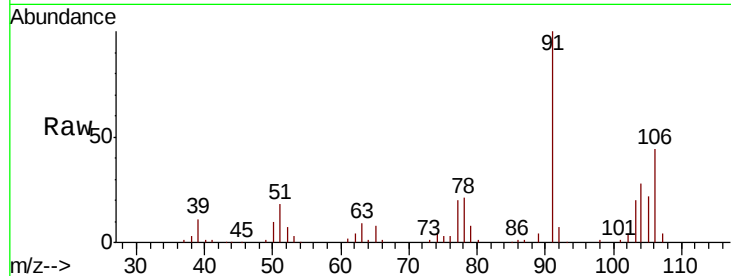




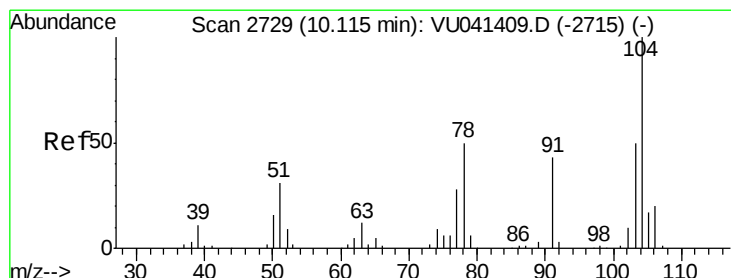
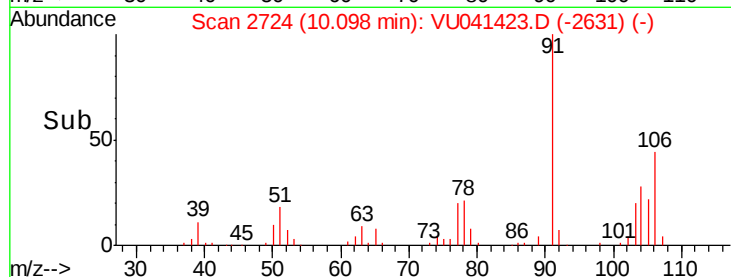
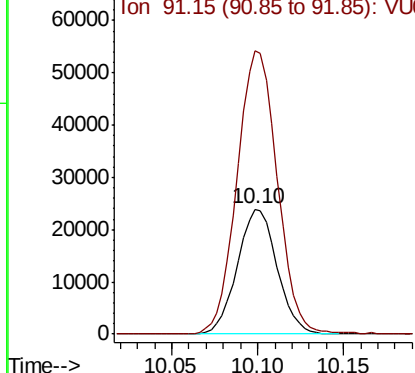
#54
o-Xylene
Concen: 5.219 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 38327
Ion Ratio Lower Upper
106 100
91 226.1 162.0 300.8

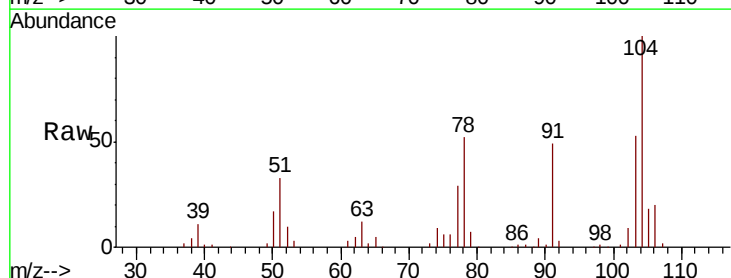


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

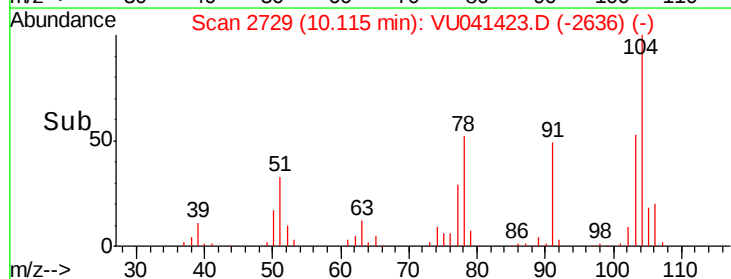
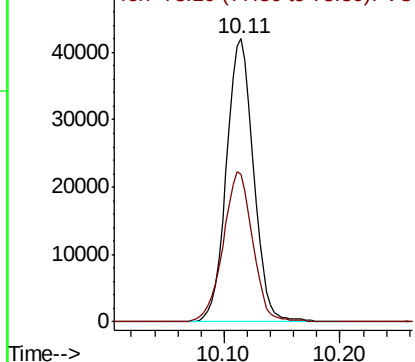


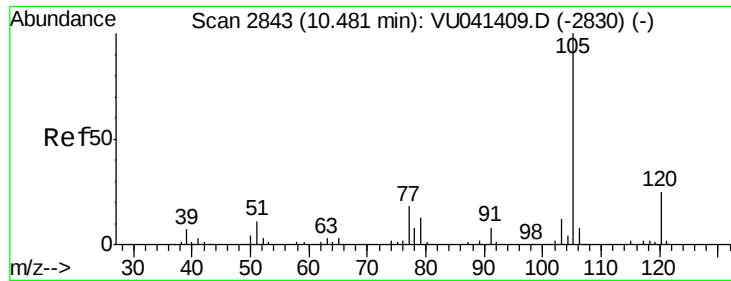
#55
Styrene
Concen: 5.556 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU041423.D
Acq: 24 Nov 2020 18:08

Tgt Ion:104 Resp: 68086
Ion Ratio Lower Upper
104 100
78 52.1 35.9 66.7



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





#56

Isopropylbenzene

Concen: 5.382 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

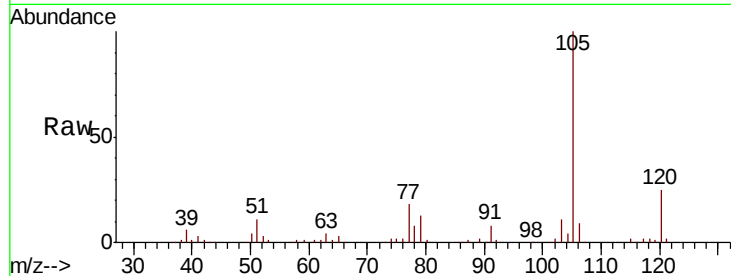
Tot Ion:105 Resp: 106132

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

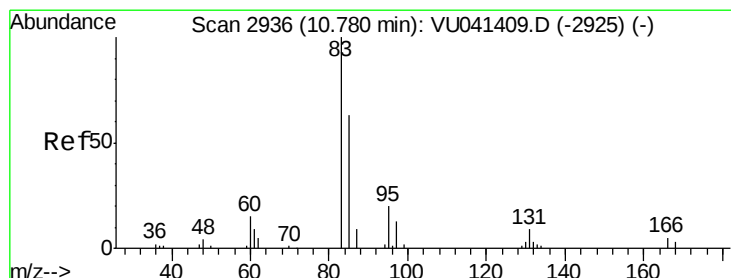
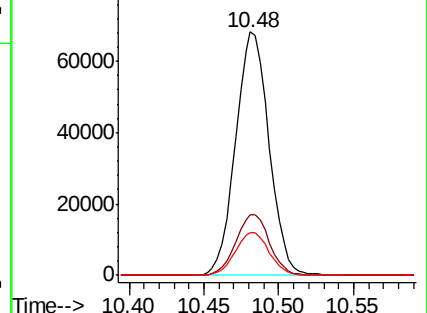
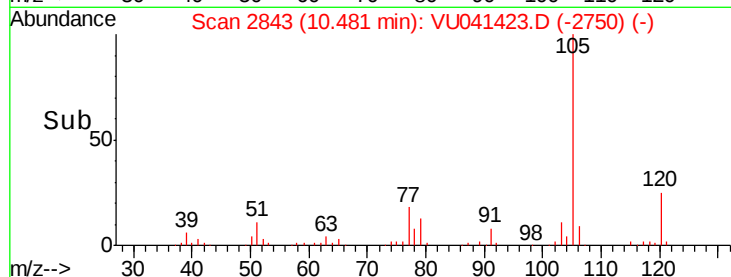
77 18.0 14.0 21.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 6.019 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

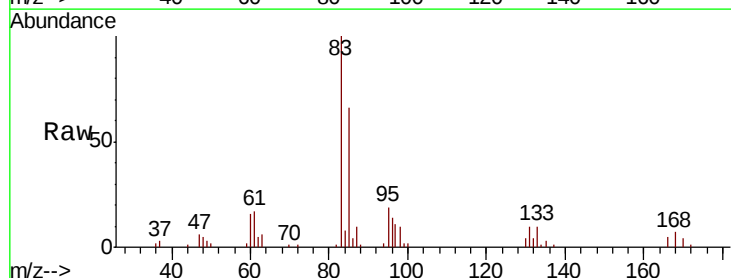
Tgt Ion: 83 Resp: 25719

Ion Ratio Lower Upper

83 100

85 66.3 45.1 83.9

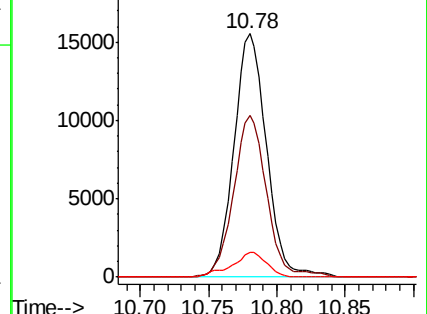
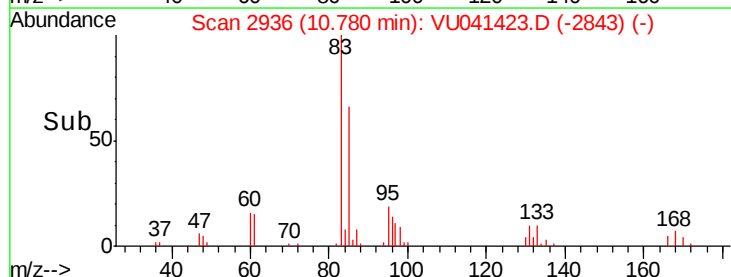
131 10.2 7.6 11.4

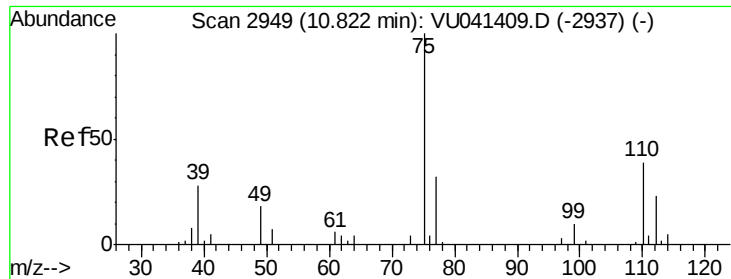


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 6.232 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

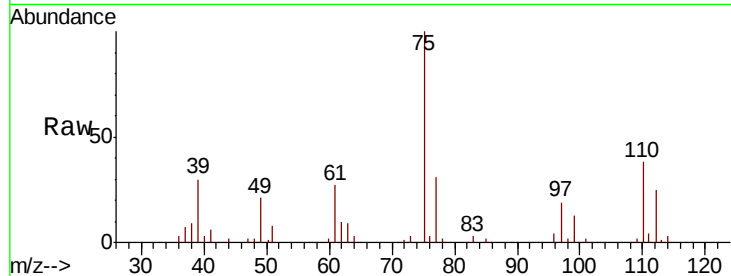
VSTD00512

Tot Ion: 75 Resp: 20400

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VU041409.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU041409.D (-2937) (-)

10.82

15000

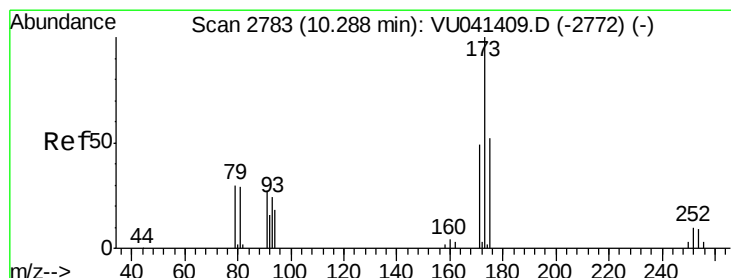
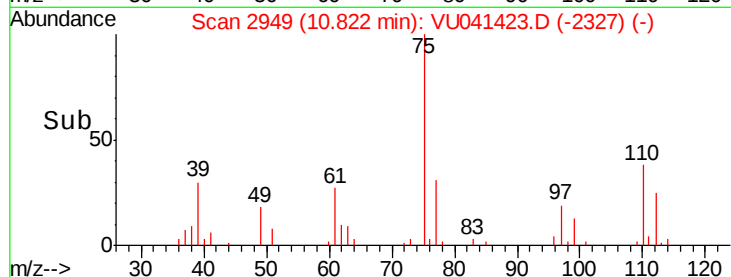
10000

5000

0

Time-->

10.75 10.80 10.85



#61

Bromoform

Concen: 5.762 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

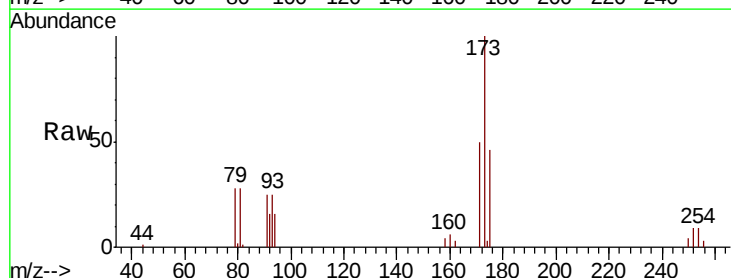
Tgt Ion: 173 Resp: 15301

Ion Ratio Lower Upper

173 100

175 46.0 37.9 56.9

254 8.9 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU041409.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU041409.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU041409.D (-2772) (-)

10.29

12000

10000

8000

6000

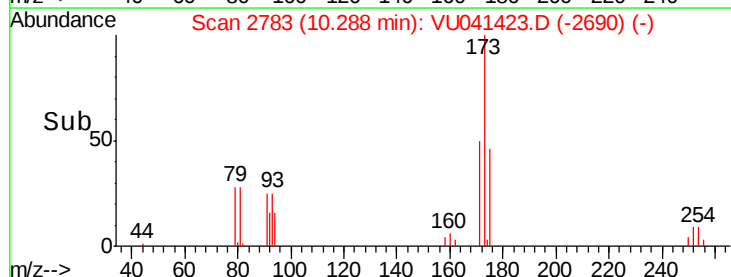
4000

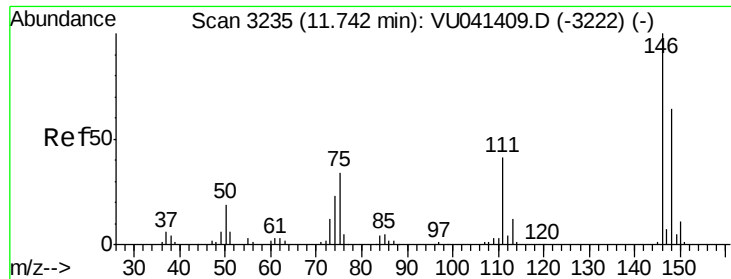
2000

0

Time-->

10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 4.953 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

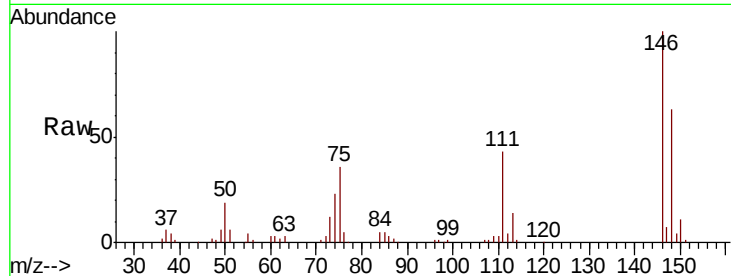
Tot Ion:146 Resp: 53945

Ion Ratio Lower Upper

146 100

111 42.7 29.5 54.7

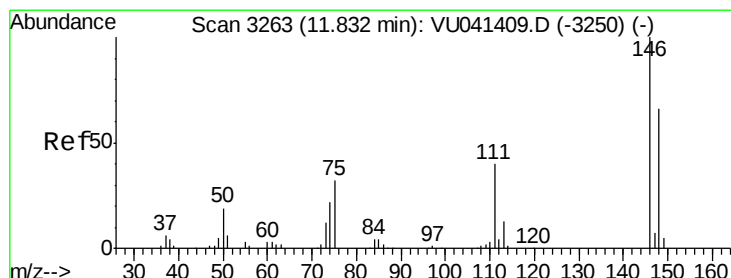
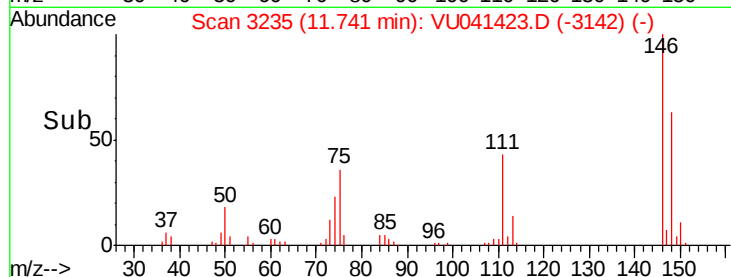
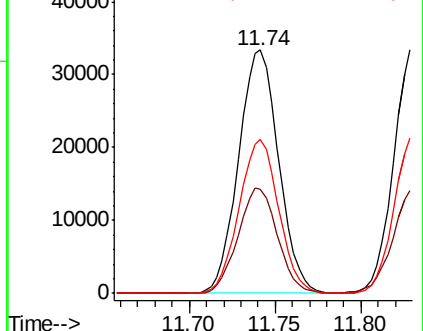
148 63.2 46.3 85.9



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



#63

1,4-Dichlorobenzene

Concen: 4.995 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

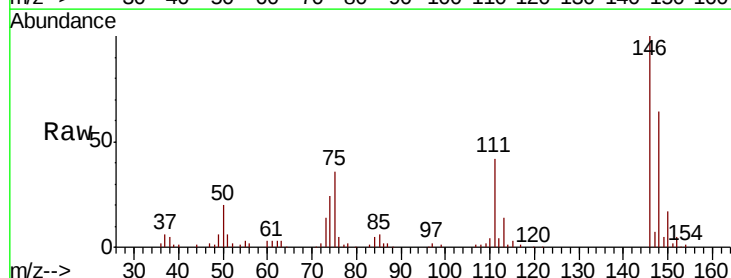
Tgt Ion:146 Resp: 53792

Ion Ratio Lower Upper

146 100

111 42.0 30.0 55.6

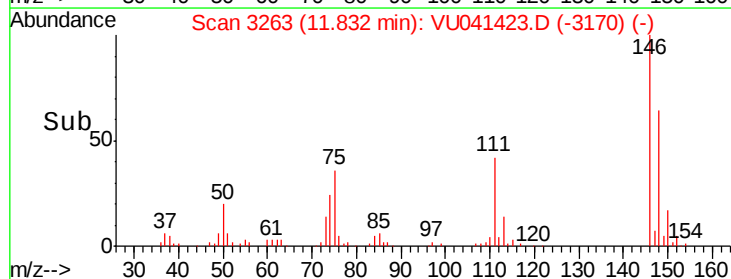
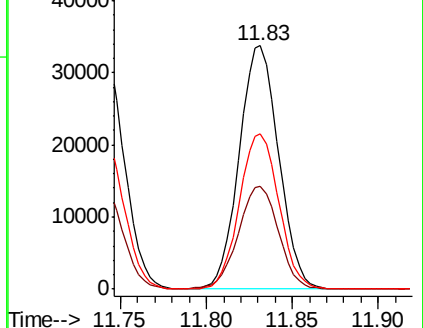
148 63.9 44.4 82.5

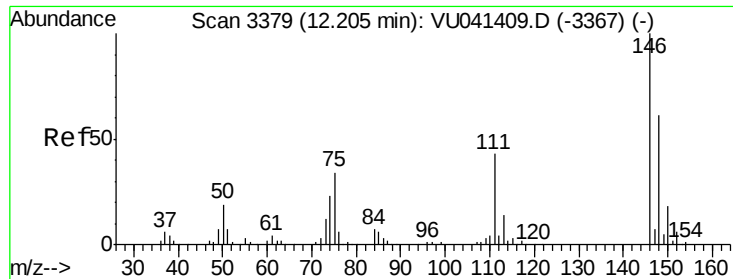


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

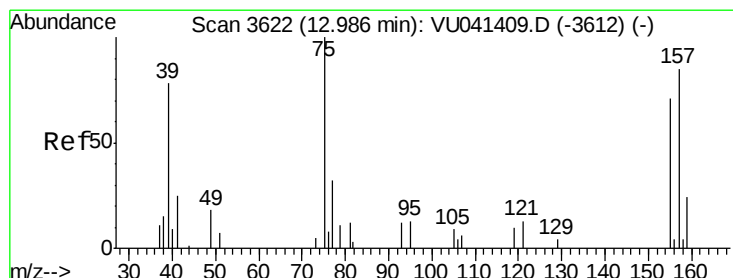
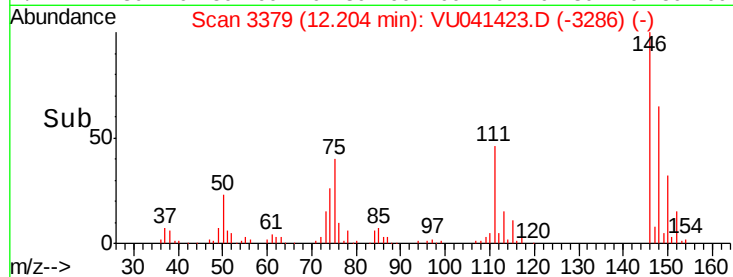
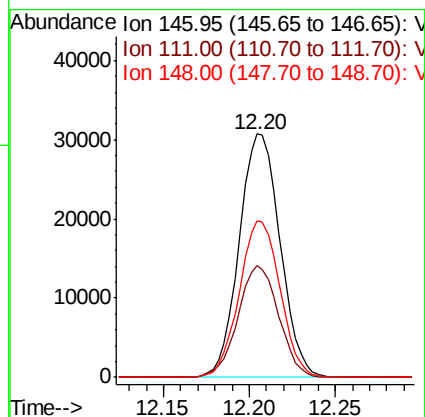
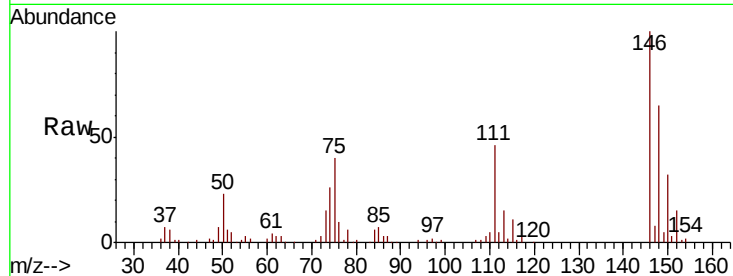




#65
 1,2-Dichlorobenzene
 Concen: 5.028 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

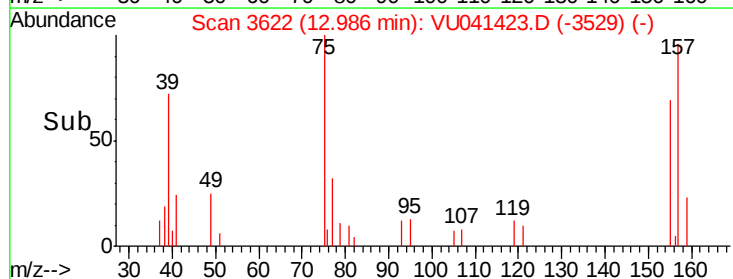
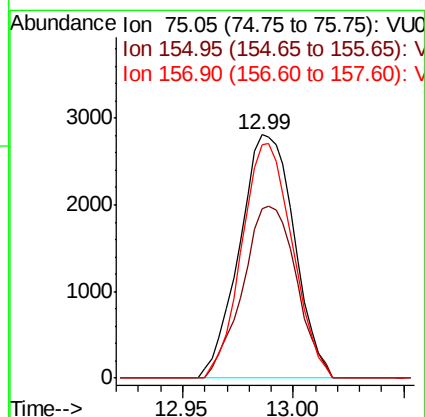
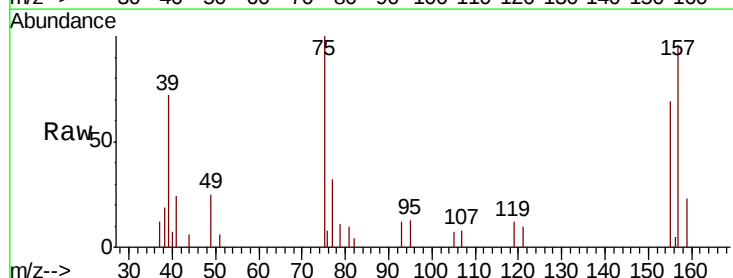
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

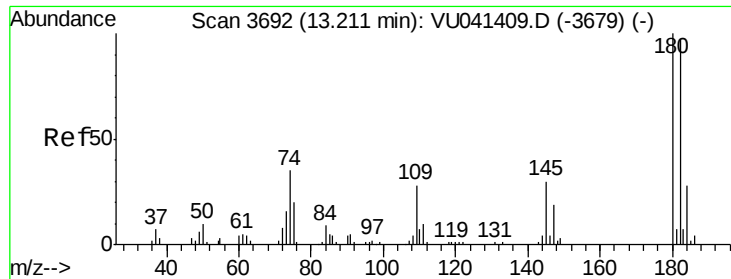
Tot Ion:146 Resp: 50662
 Ion Ratio Lower Upper
 146 100
 111 45.7 35.3 52.9
 148 64.5 48.6 73.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.107 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Tgt Ion: 75 Resp: 4822
 Ion Ratio Lower Upper
 75 100
 155 69.4 51.9 77.9
 157 95.8 71.5 107.3

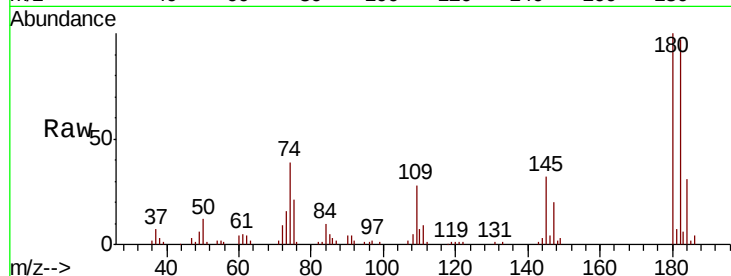




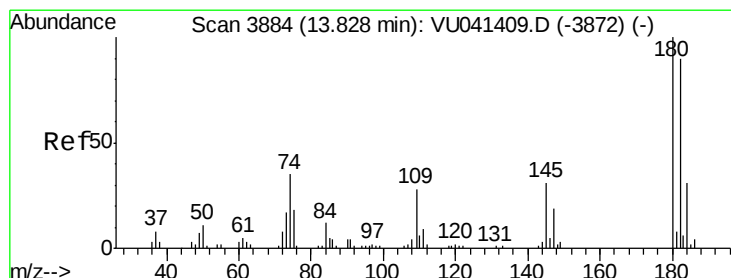
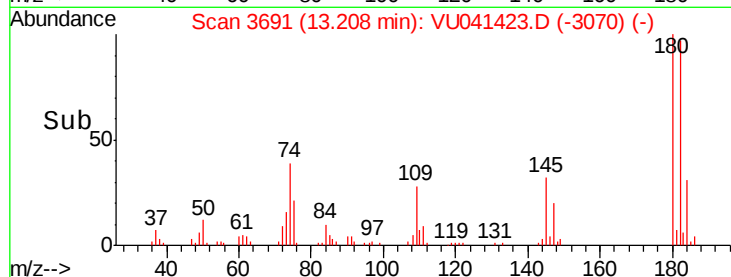
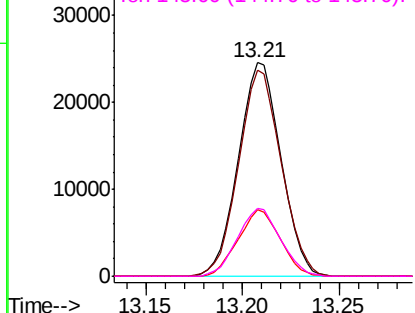
#67
 1,3,5-Trichlorobenzene
 Concen: 4.927 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180 Resp: 37715
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.5 116.3
 184 30.7 25.7 38.5
 145 31.9 26.2 39.2

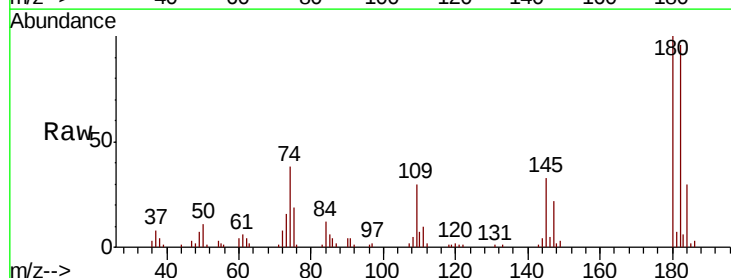


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

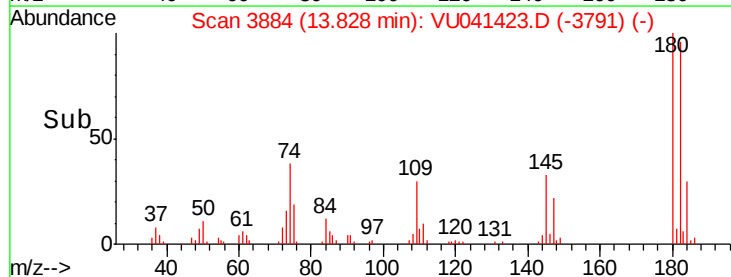
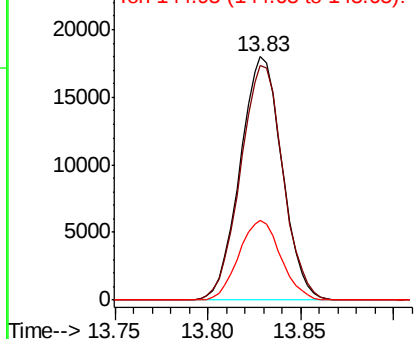


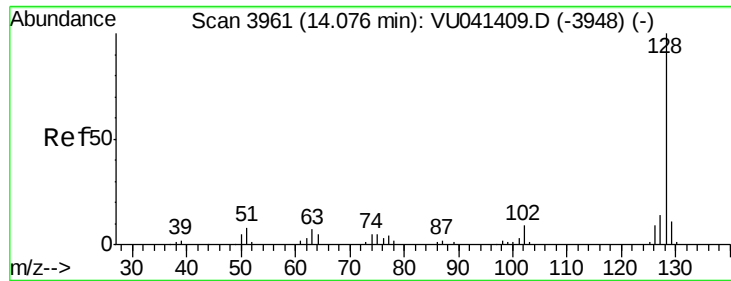
#68
 1,2,4-trichlorobenzene
 Concen: 4.718 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU041423.D
 Acq: 24 Nov 2020 18:08

Tgt Ion:180 Resp: 28348
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.0 114.0
 145 32.5 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.584 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

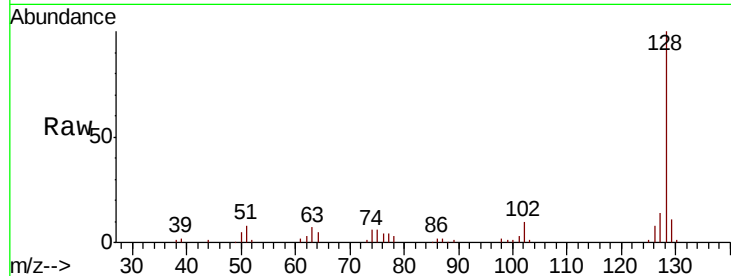
Tot Ion:128 Resp: 43272

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

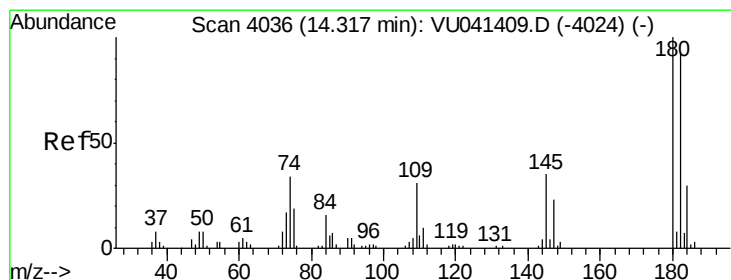
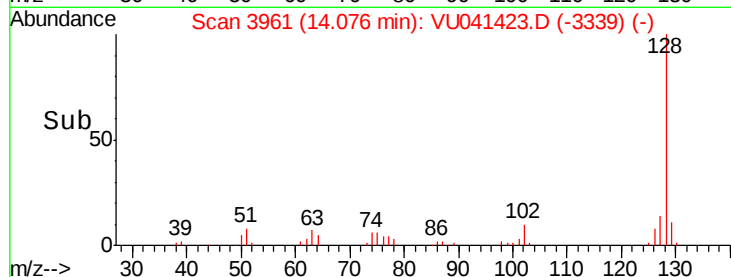
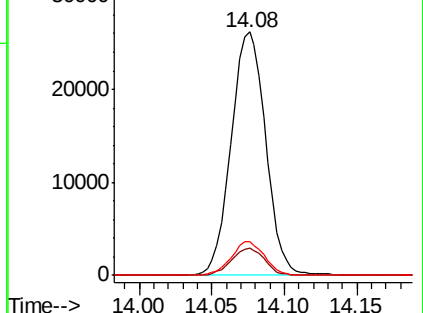
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.840 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU041423.D

Acq: 24 Nov 2020 18:08

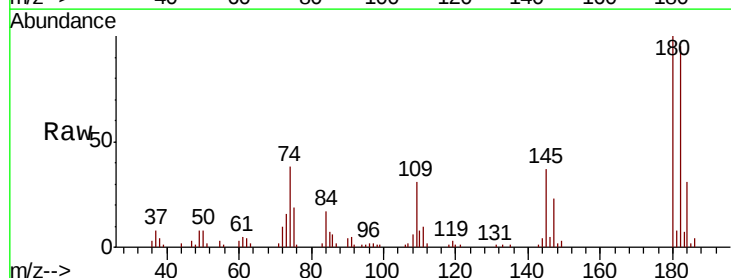
Tgt Ion:180 Resp: 26576

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 35.1 27.7 41.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

