

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041770.D
 Acq On : 23 Dec 2020 09:47
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Dec 24 01:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 12:40:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	139583	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	133419	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	70446	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43225	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.92	69	42986	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	95721	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.66	46	147968	47.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.40%
24) Chloroform-d	5.08	84	86945	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	5.72	65	47648	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	5.74	84	165051	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.70	67	52790	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.90	98	149363	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.18	79	22458	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.64	63	136160	46.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	51886	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	57168	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	57878	4.895	ug/L 98
3) Chloromethane	1.53	50	55080	4.794	ug/L 95
5) Vinyl chloride	1.61	62	65255	5.144	ug/L 100
6) Bromomethane	1.86	94	46178	5.822	ug/L 98
8) Chloroethane	1.94	64	44867	5.207	ug/L 94
9) Trichlorofluoromethane	2.15	101	96509	6.011	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	56587	5.893	ug/L 99
12) 1,1-Dichloroethene	2.59	96	54816	5.789	ug/L 90
13) Acetone	2.68	43	111395	55.869	ug/L 91
14) Carbon disulfide	2.80	76	167445	5.117	ug/L 100
15) Methyl Acetate	2.97	43	25846	4.986	ug/L 96
16) Methylene chloride	3.06	84	60743	5.371	ug/L 90
17) Methyl tert-butyl Ether	3.38	73	131961	5.223	ug/L 97
18) trans-1,2-Dichloroethene	3.37	96	52510	5.361	ug/L 91
19) 1,1-Dichloroethane	3.89	63	88878	4.855	ug/L 99
21) 2-Butanone	4.74	43	151285	46.582	ug/L 94
22) cis-1,2-Dichloroethene	4.68	96	52402	4.841	ug/L 95

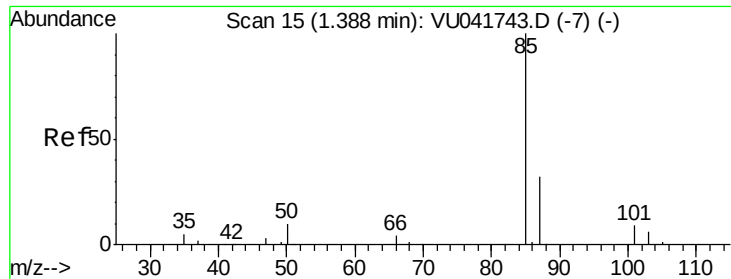
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041770.D
 Acq On : 23 Dec 2020 09:47
 Operator : SY/MD
 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Dec 24 01:03:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 23 12:40:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	26537	5.337	ug/L	90
25) Chloroform	5.10	83	96238	5.221	ug/L	97
27) 1,2-Dichloroethane	5.81	62	63109	5.055	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	82393	5.378	ug/L	97
30) Cyclohexane	5.40	56	73742	4.294	ug/L	91
31) Carbon tetrachloride	5.54	117	72883	5.501	ug/L	100
33) Benzene	5.78	78	206058	4.829	ug/L	100
34) Trichloroethene	6.55	95	54759	5.107	ug/L	98
35) Methylcyclohexane	6.77	83	81686	4.713	ug/L	98
37) 1,2-Dichloropropane	6.80	63	53185	4.873	ug/L	99
38) Bromodichloromethane	7.11	83	69055	5.086	ug/L	98
39) cis-1,3-Dichloropropene	7.61	75	78626	4.862	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	351490	45.259	ug/L	95
42) Toluene	7.97	91	225071	5.109	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	71508	4.944	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	43962	5.447	ug/L	98
47) Tetrachloroethene	8.56	164	41456	5.523	ug/L	97
48) 2-Hexanone	8.69	43	271163	47.976	ug/L	98
49) Dibromochloromethane	8.81	129	51648	5.571	ug/L	99
50) 1,2-Dibromoethane	8.92	107	42192	5.285	ug/L	96
51) Chlorobenzene	9.45	112	142962	5.221	ug/L	96
52) Ethylbenzene	9.57	91	227828	4.857	ug/L	97
53) m,p-Xylene	9.69	106	91979	5.257	ug/L	97
54) o-Xylene	10.10	106	88053	5.139	ug/L	96
55) Styrene	10.11	104	150598	5.088	ug/L	98
56) Isopropylbenzene	10.48	105	232625	5.100	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56096	4.995	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	41908	5.113	ug/L	98
61) Bromoform	10.29	173	31138	5.847	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	112176	5.207	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	111126	5.130	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	111290	5.275	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	9799	4.953	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	82015	5.015	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	64493	4.699	ug/L	99
69) Naphthalene	14.07	128	115685	4.072	ug/L	98
70) 1,2,3-Trichlorobenzene	14.31	180	62658	4.790	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.895 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

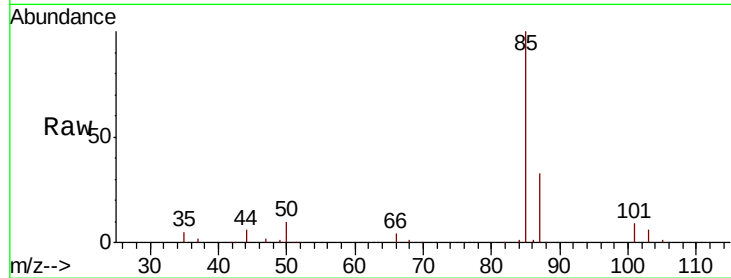
VSTD00527

Tot Ion: 85 Resp: 57878

Ion Ratio Lower Upper

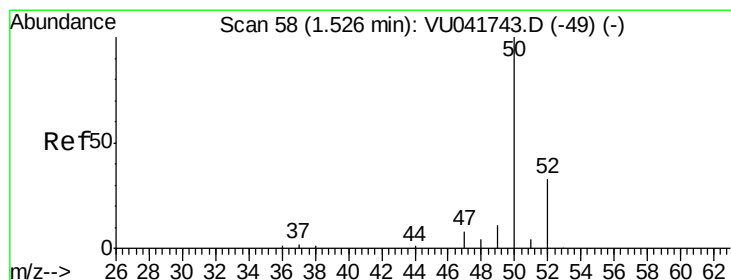
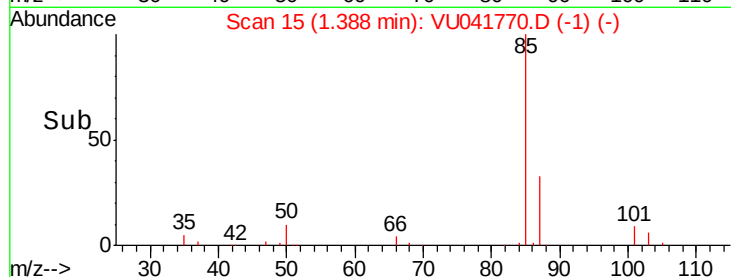
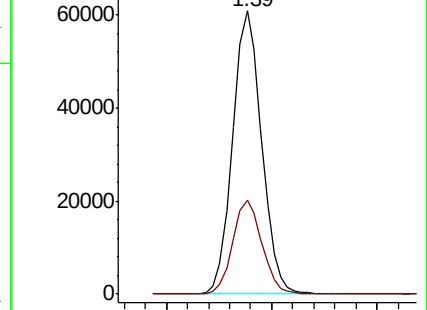
85 100

87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU041770.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041770.D (-1) (-)



#3

Chloromethane

Concen: 4.794 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041770.D

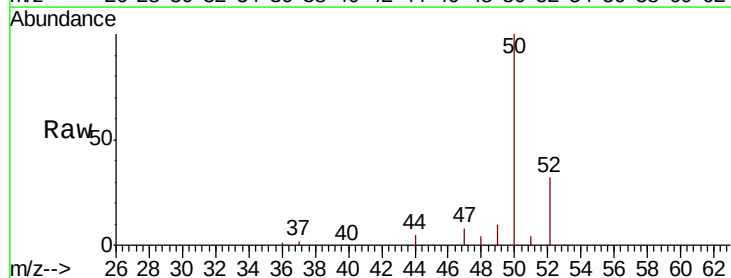
Acq: 23 Dec 2020 09:47

Tgt Ion: 50 Resp: 55080

Ion Ratio Lower Upper

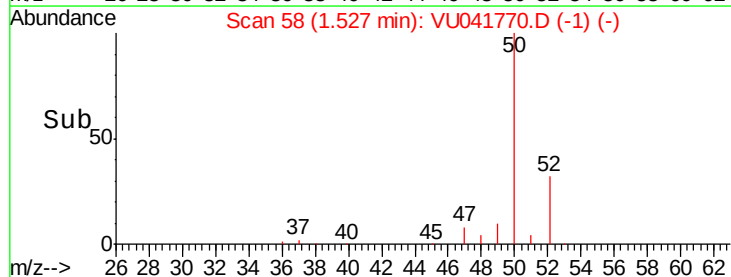
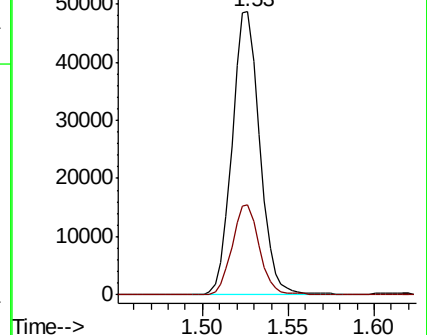
50 100

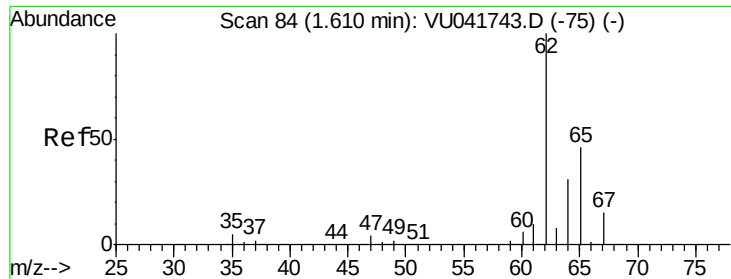
52 31.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041770.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041770.D (-1) (-)





#5

Vinyl chloride

Concen: 5.144 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

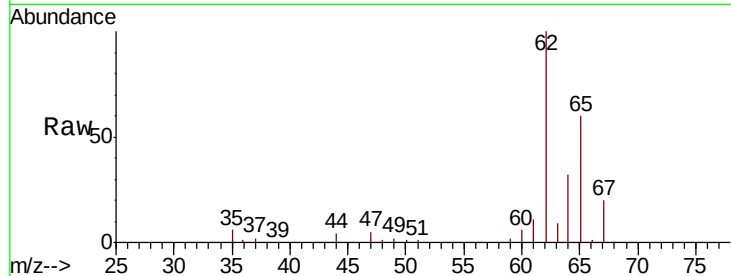
VSTD00527

Tot Ion: 62 Resp: 65255

Ion Ratio Lower Upper

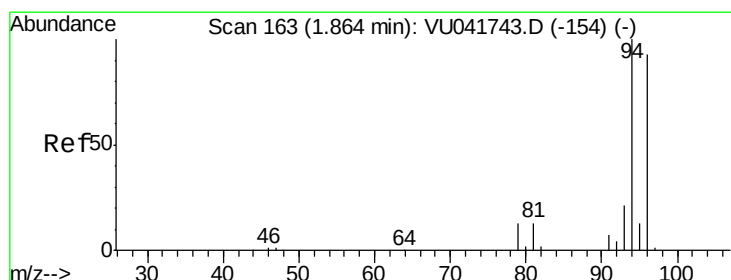
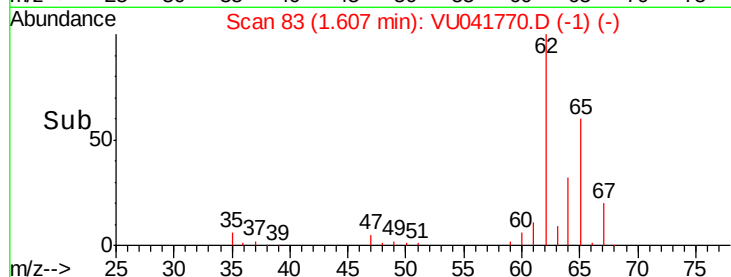
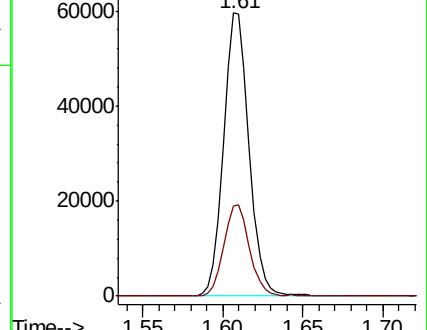
62 100

64 32.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VU041770.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU041770.D (-75) (-)



#6

Bromomethane

Concen: 5.822 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041770.D

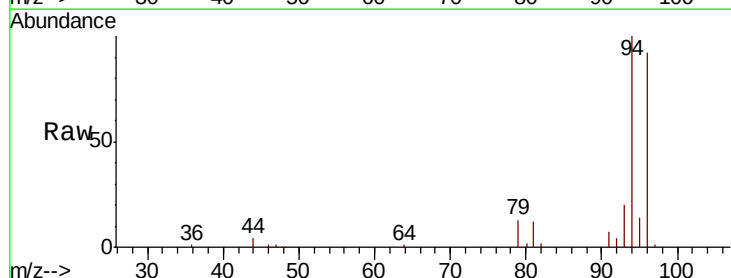
Acq: 23 Dec 2020 09:47

Tgt Ion: 94 Resp: 46178

Ion Ratio Lower Upper

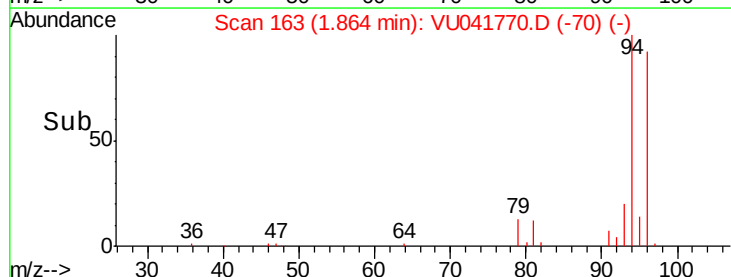
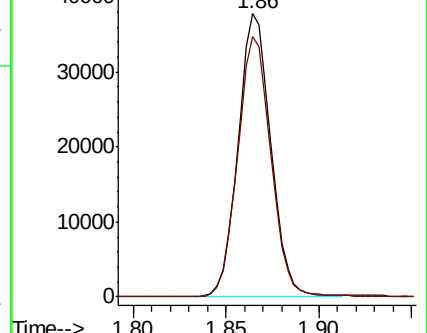
94 100

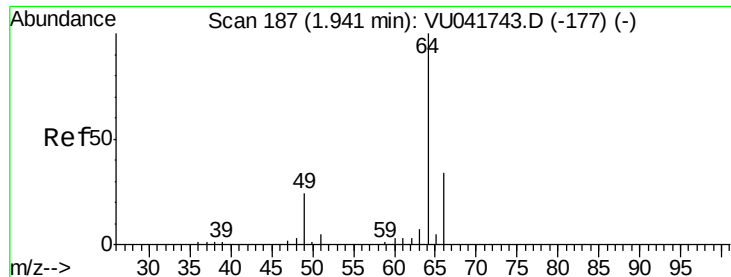
96 91.8 65.7 121.9



Abundance Ion 94.00 (93.70 to 94.70): VU041770.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU041770.D (-154) (-)





#8

Chloroethane

Concen: 5.207 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

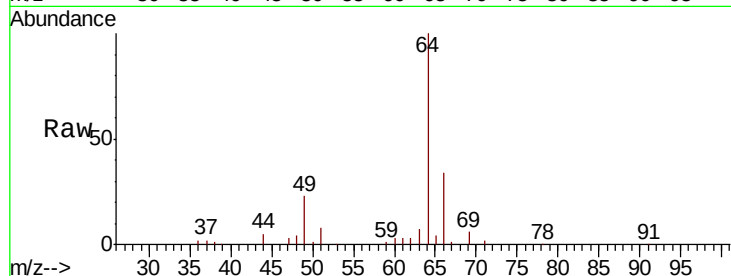
VSTD00527

Tot Ion: 64 Resp: 44867

Ion Ratio Lower Upper

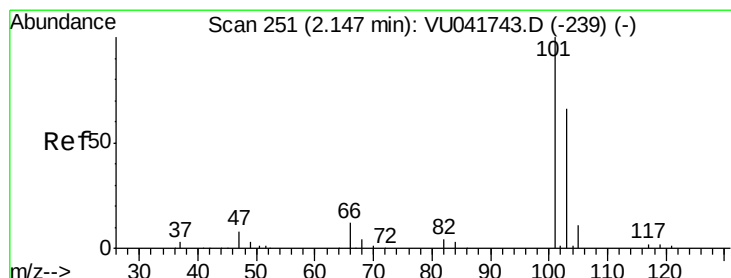
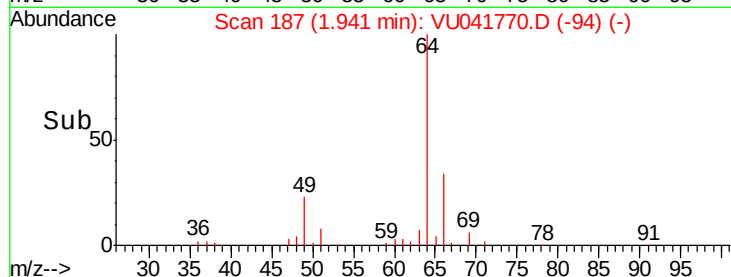
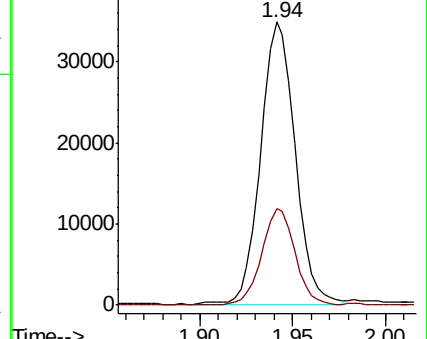
64 100

66 33.9 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VU041770.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041770.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 6.011 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041770.D

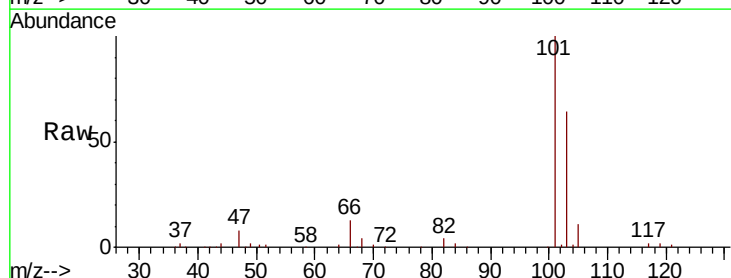
Acq: 23 Dec 2020 09:47

Tgt Ion: 101 Resp: 96509

Ion Ratio Lower Upper

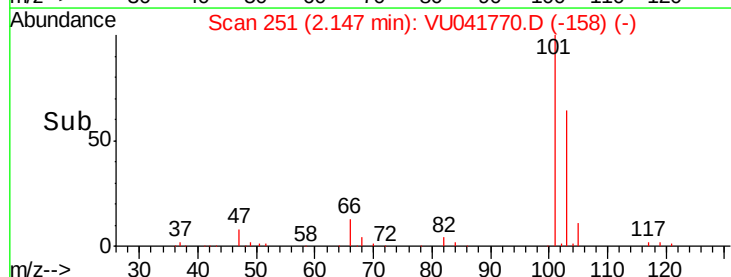
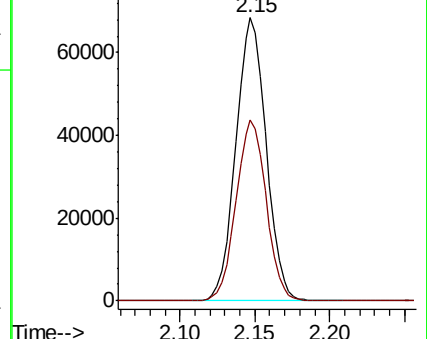
101 100

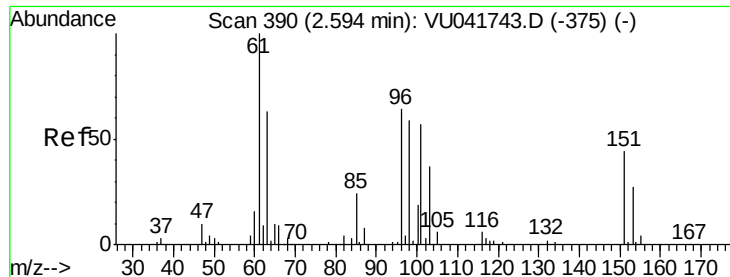
103 63.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041770.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041770.D (-239) (-)





#10

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

Concen: 5.893 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

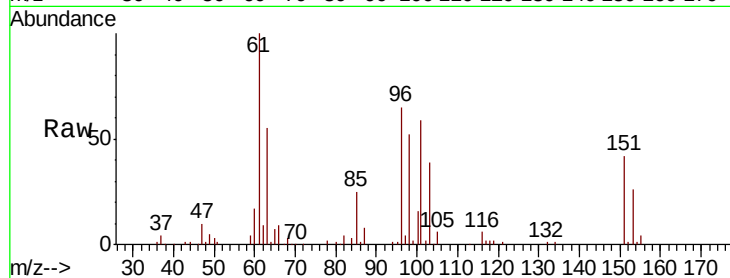
Tot Ion:101 Resp: 56587

Ion Ratio Lower Upper

101 100

85 43.1 33.6 50.4

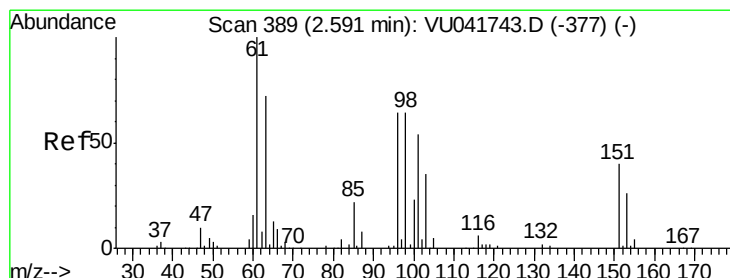
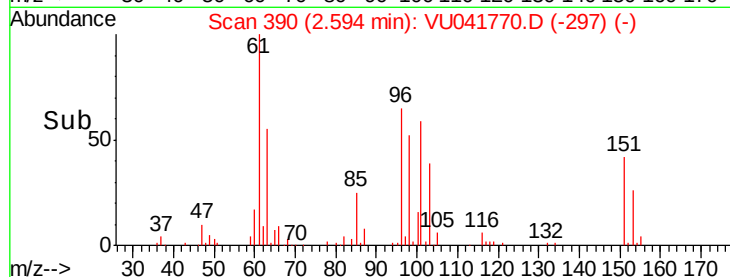
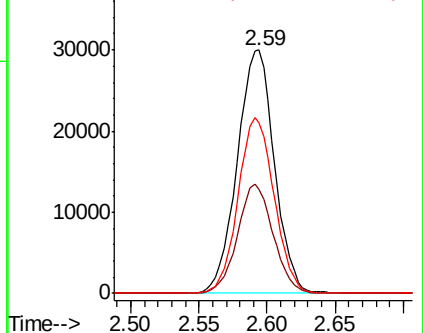
151 70.1 56.2 84.4



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: 5.789 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

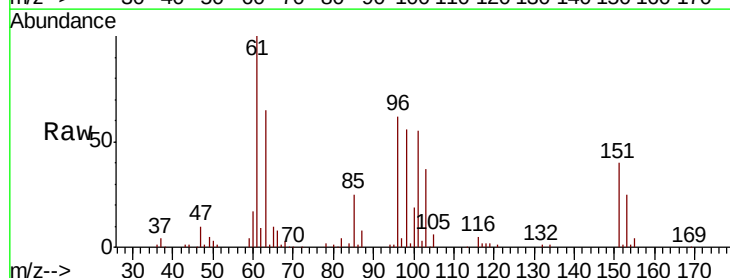
Tgt Ion: 96 Resp: 54816

Ion Ratio Lower Upper

96 100

61 162.0 123.8 230.0

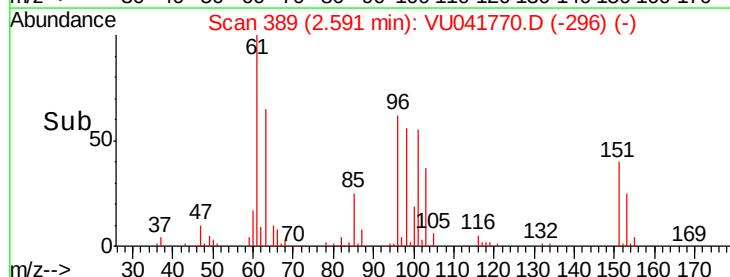
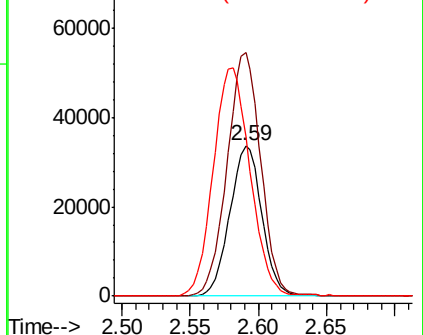
63 105.6 81.0 150.4

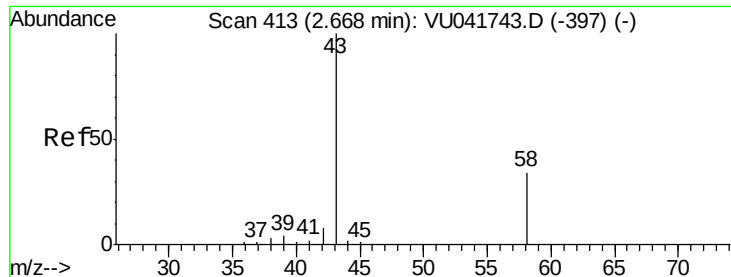


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.869 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

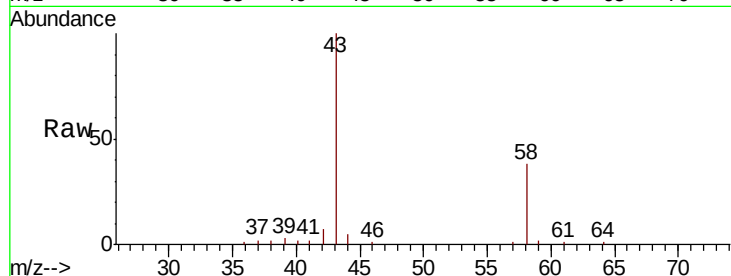
VSTD00527

Tot Ion: 43 Resp: 111395

Ion Ratio Lower Upper

43 100

58 31.0 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041770.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU041770.D (-320) (-)

2.68

15000

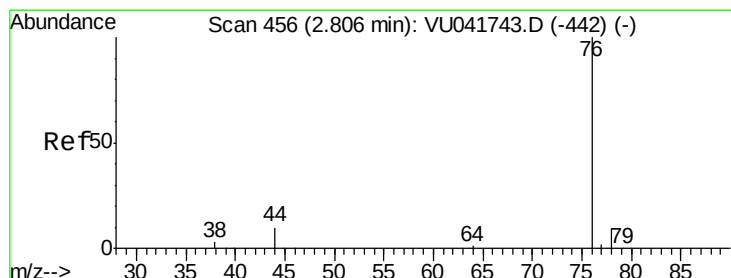
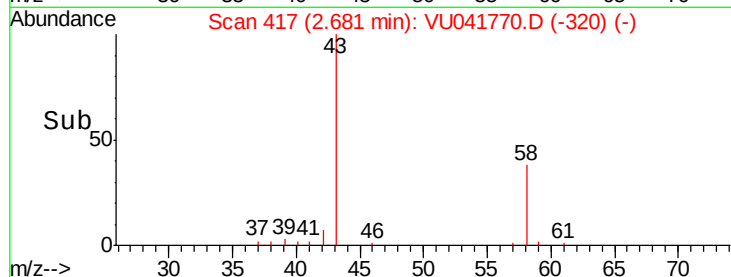
10000

5000

0

Time-->

2.60 2.80



#14

Carbon disulfide

Concen: 5.117 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU041770.D

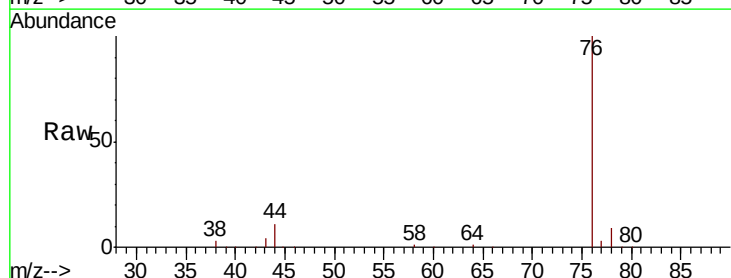
Acq: 23 Dec 2020 09:47

Tgt Ion: 76 Resp: 167445

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VU041770.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU041770.D (-363) (-)

2.80

100000

80000

60000

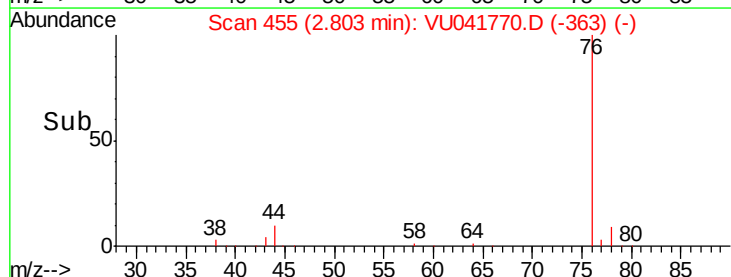
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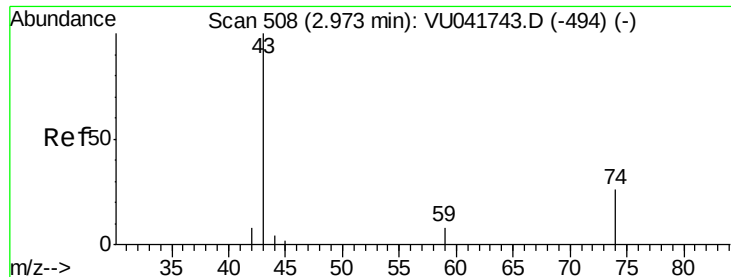
20000

0

Time-->

2.70 2.80 2.90





#15

Methyl Acetate

Concen: 4.986 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

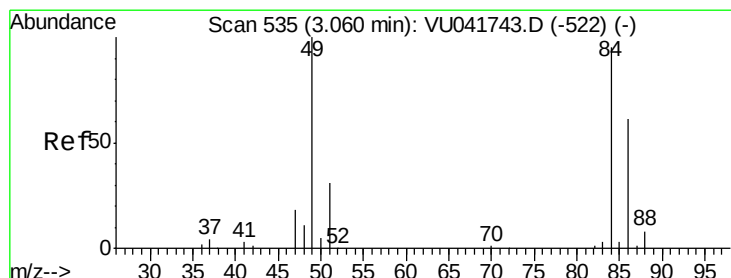
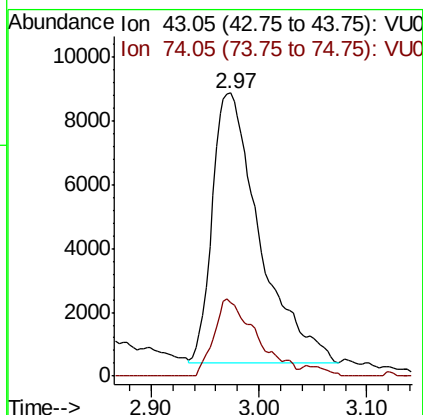
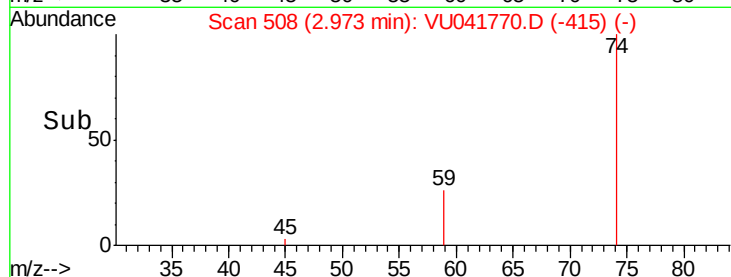
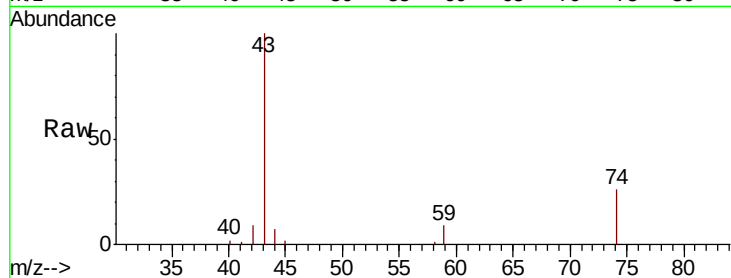
VSTD00527

Tot Ion: 43 Resp: 25846

Ion Ratio Lower Upper

43 100

74 25.8 19.2 28.8



#16

Methylene chloride

Concen: 5.371 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

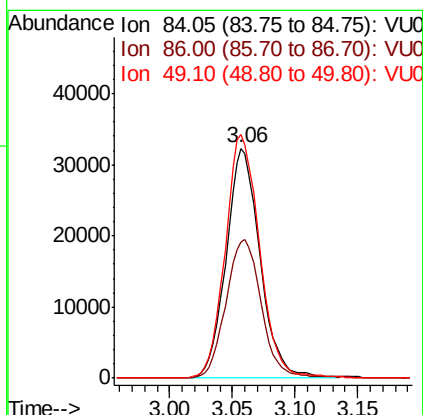
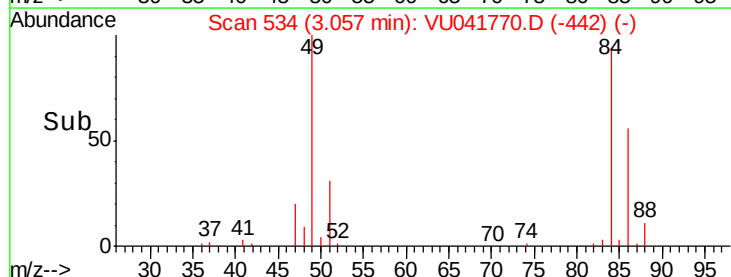
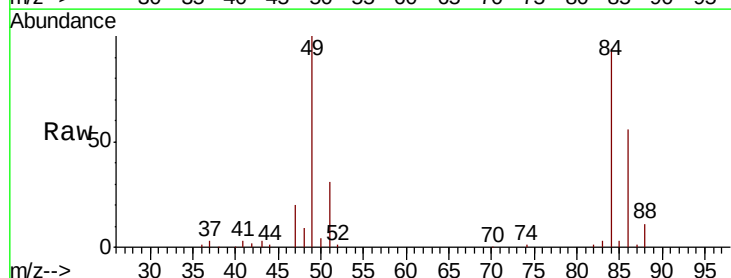
Tgt Ion: 84 Resp: 60743

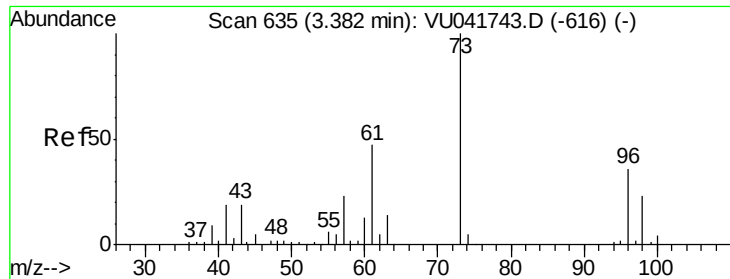
Ion Ratio Lower Upper

84 100

86 59.3 45.1 83.7

49 106.0 83.1 154.3

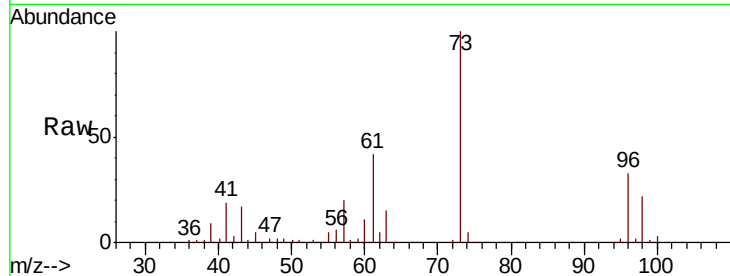




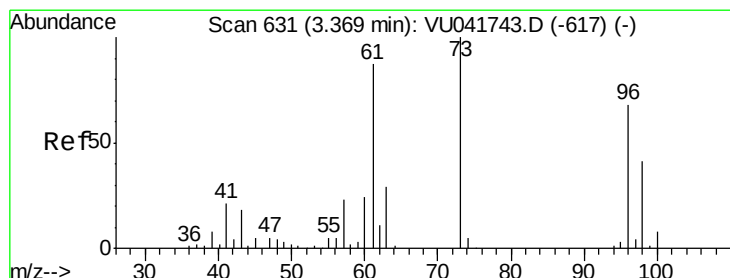
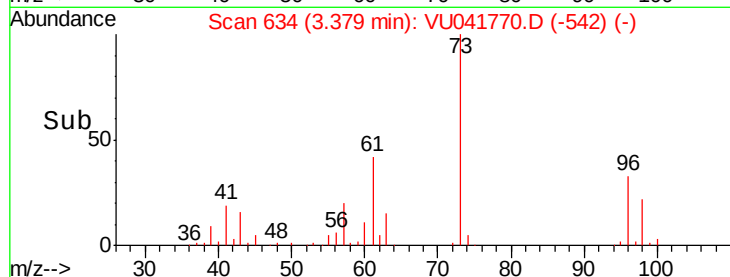
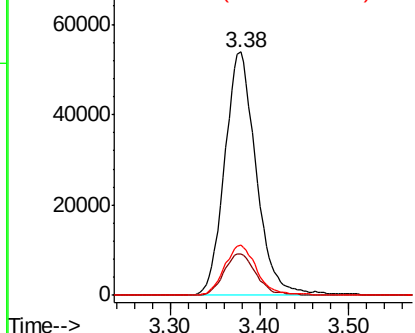
#17
Methyl tert-butyl Ether
Concen: 5.223 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 73 Resp: 131961
Ion Ratio Lower Upper
73 100
43 17.3 14.7 22.1
57 21.1 18.2 27.4

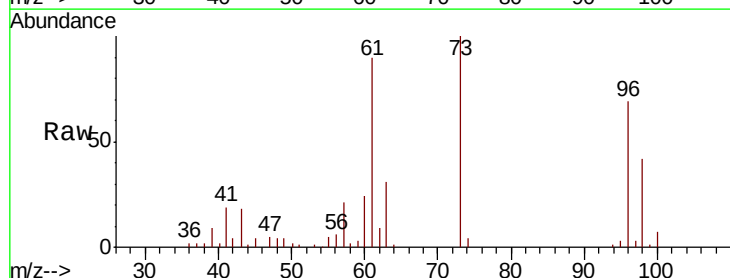


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

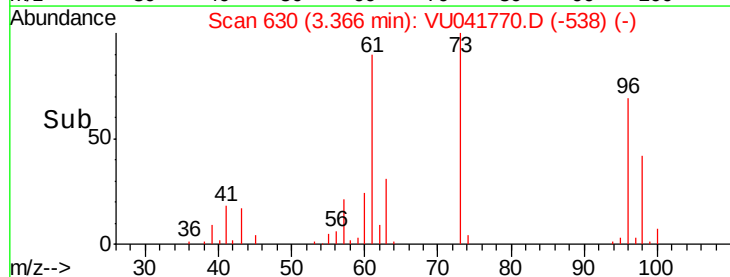
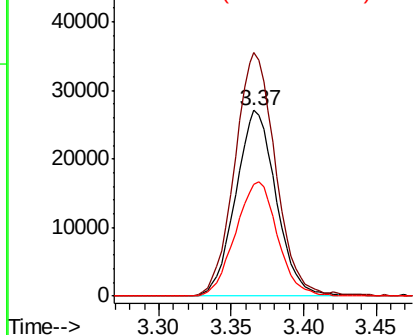


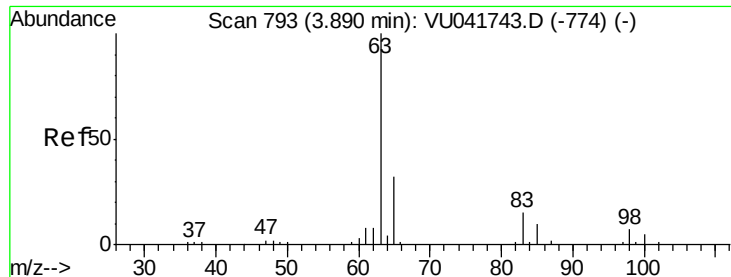
#18
trans-1,2-Dichloroethene
Concen: 5.361 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Tgt Ion: 96 Resp: 52510
Ion Ratio Lower Upper
96 100
61 131.2 101.8 189.0
98 60.5 44.4 82.5



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

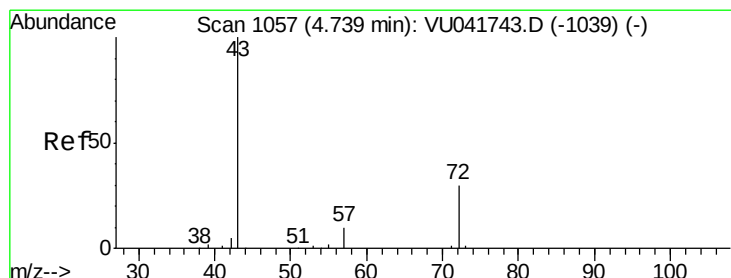
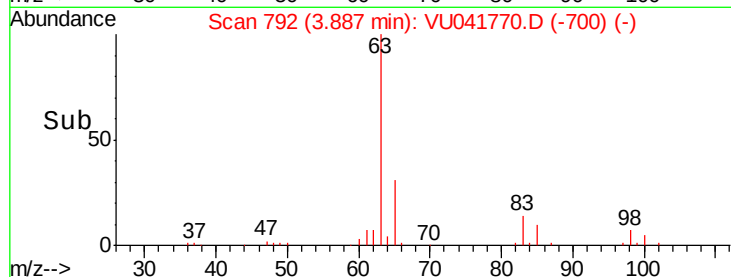
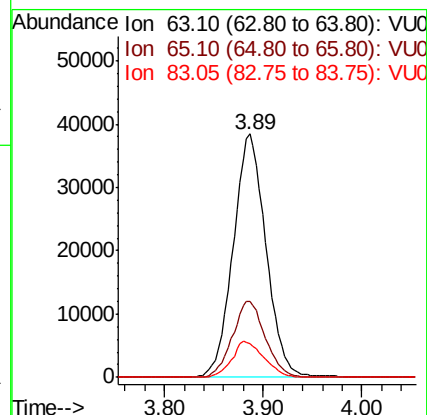
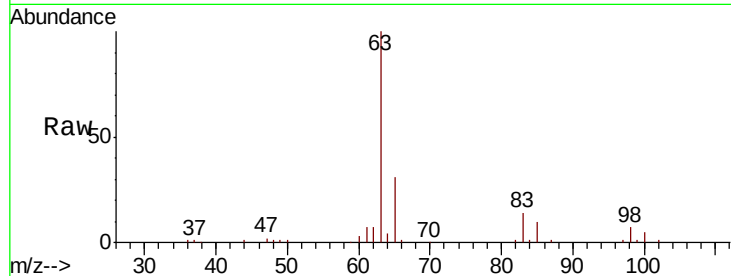




#19
 1,1-Dichloroethane
 Concen: 4.855 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

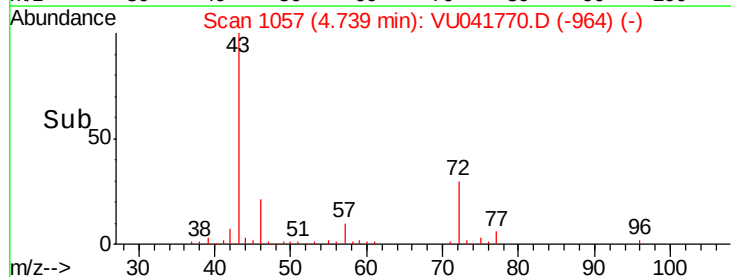
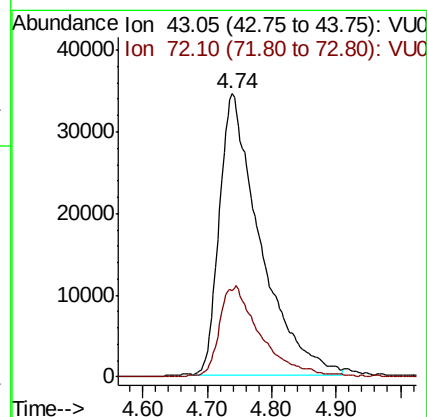
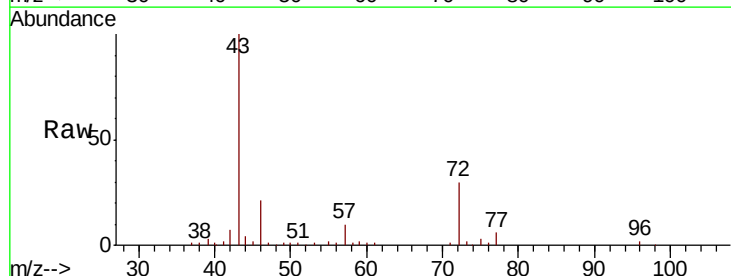
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

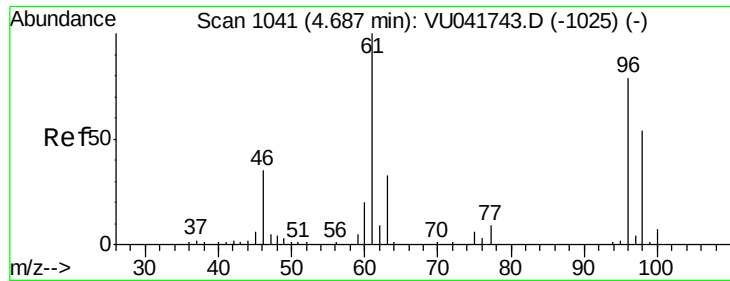
Tot Ion: 63 Resp: 88878
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.6
 83 13.7 9.3 17.3



#21
 2-Butanone
 Concen: 46.582 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 43 Resp: 151285
 Ion Ratio Lower Upper
 43 100
 72 32.5 14.6 44.0

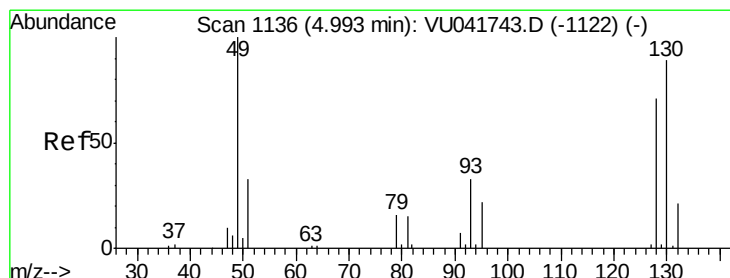
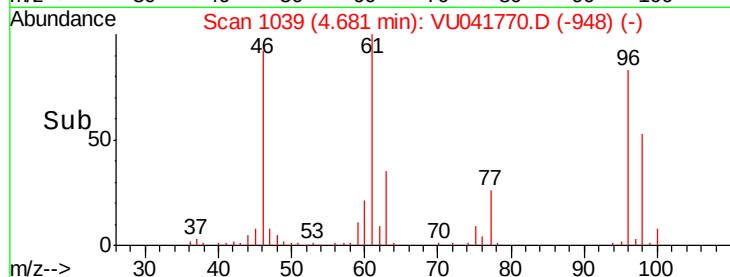
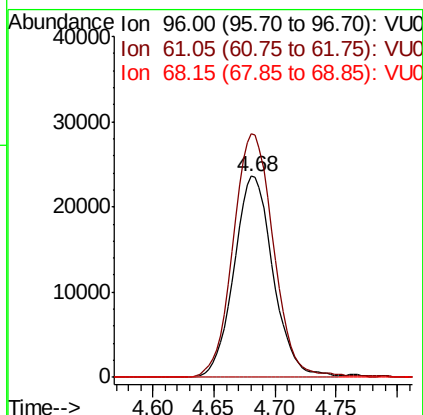
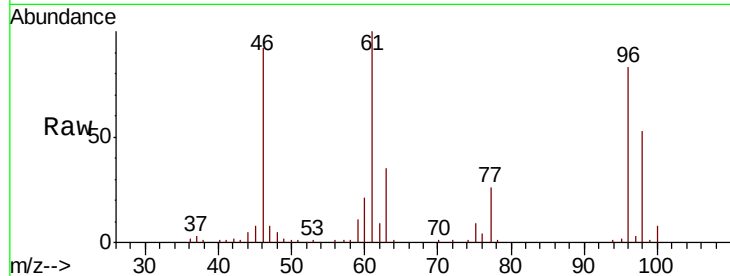




#22
 cis-1,2-Dichloroethene
 Concen: 4.841 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

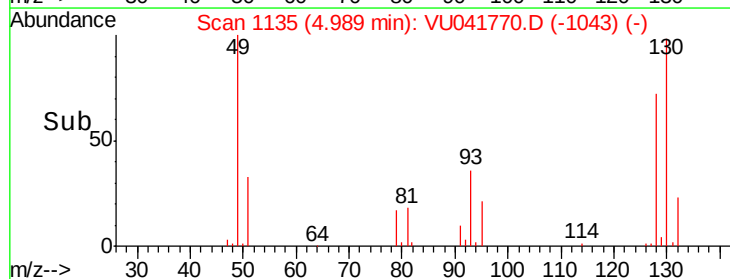
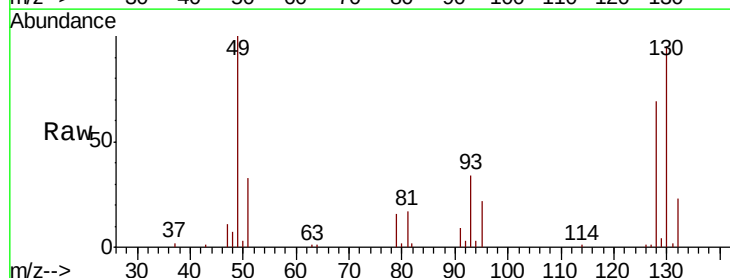
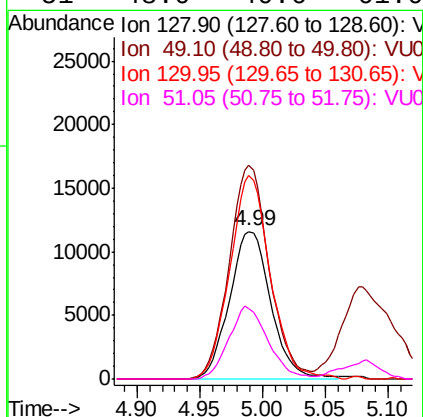
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

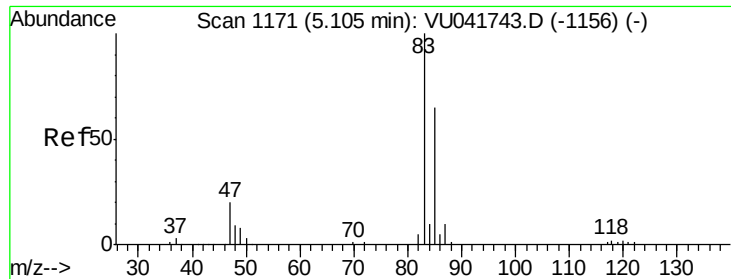
Tot Ion: 96 Resp: 52402
 Ion Ratio Lower Upper
 96 100
 61 121.2 88.8 165.0
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.337 ug/L
 RT: 4.99 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 128 Resp: 26537
 Ion Ratio Lower Upper
 128 100
 49 144.6 109.3 203.1
 130 137.4 84.8 157.6
 51 48.0 40.6 61.0

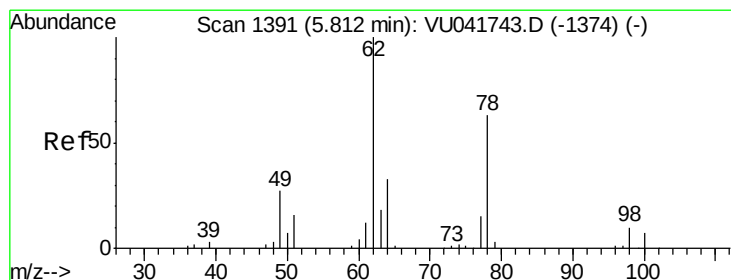
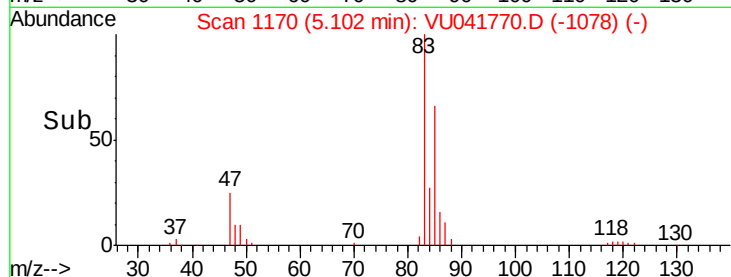
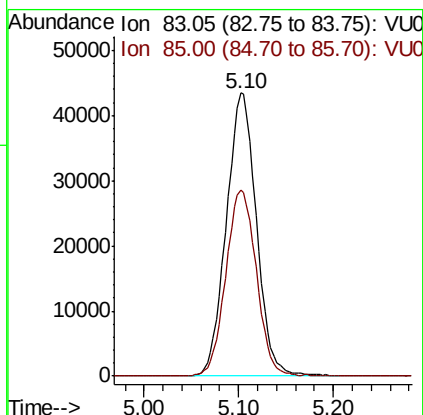
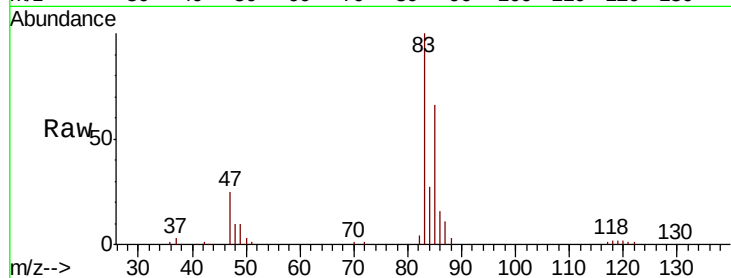




#25
Chloroform
Concen: 5.221 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

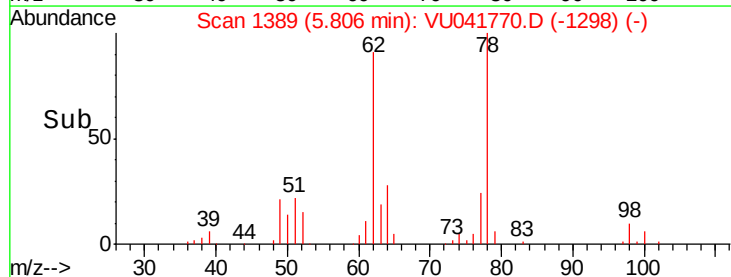
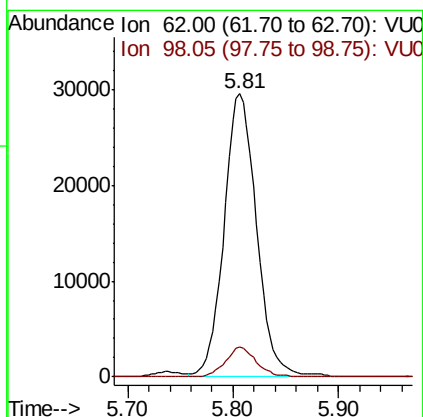
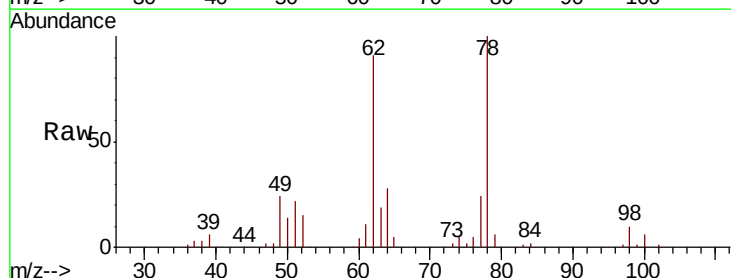
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

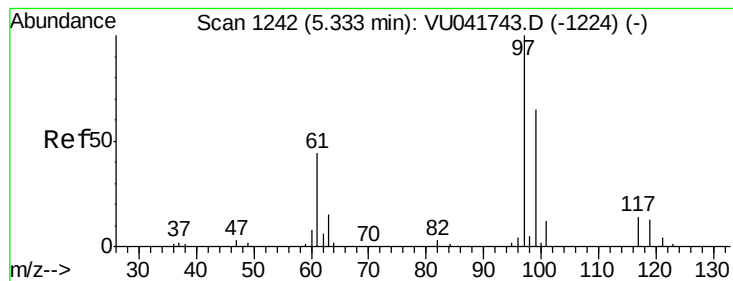
Tot Ion: 83 Resp: 96238
Ion Ratio Lower Upper
83 100
85 65.6 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.055 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Tgt Ion: 62 Resp: 63109
Ion Ratio Lower Upper
62 100
98 10.5 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.378 ug/L

RT: 5.33 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

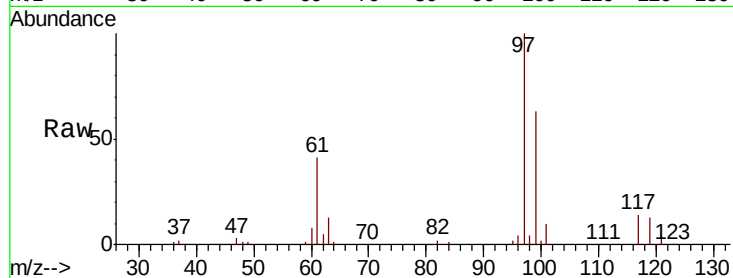
Tot Ion: 97 Resp: 82393

Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

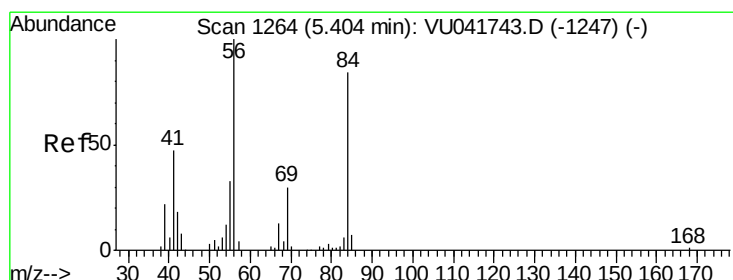
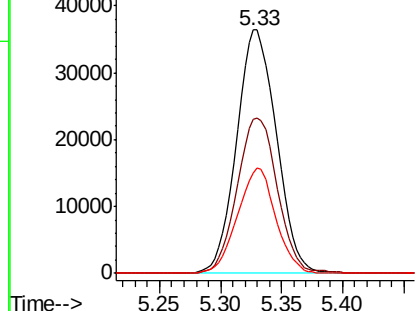
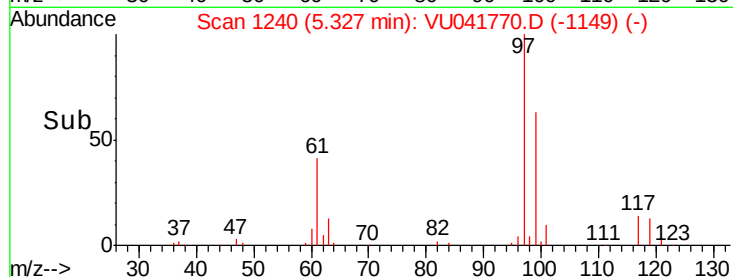
61 41.4 36.5 54.7



Abundance Ion 96.95 (96.65 to 97.65): VU041770.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041770.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041770.D (-1149) (-)



#30

Cyclohexane

Concen: 4.294 ug/L

RT: 5.40 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

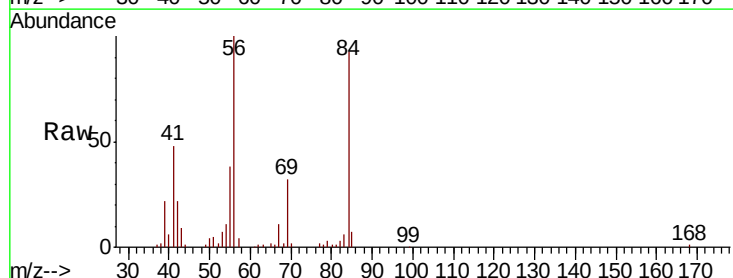
Tgt Ion: 56 Resp: 73742

Ion Ratio Lower Upper

56 100

69 31.7 23.8 35.8

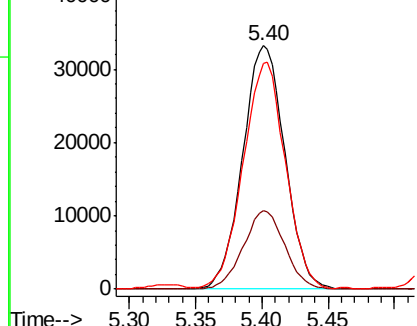
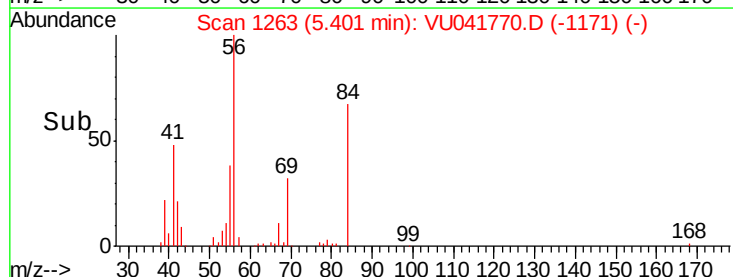
84 92.7 66.2 99.4

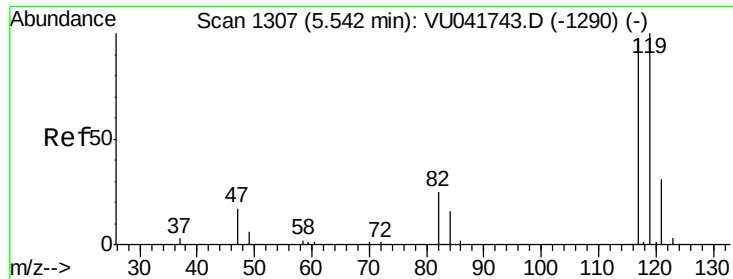


Abundance Ion 56.10 (55.80 to 56.80): VU041770.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU041770.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU041770.D (-1171) (-)

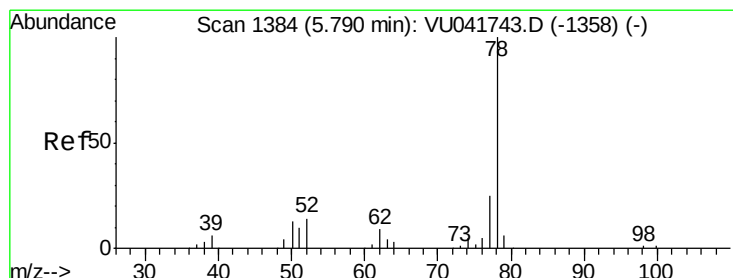
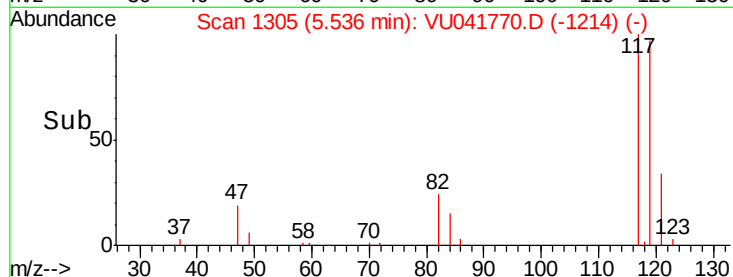
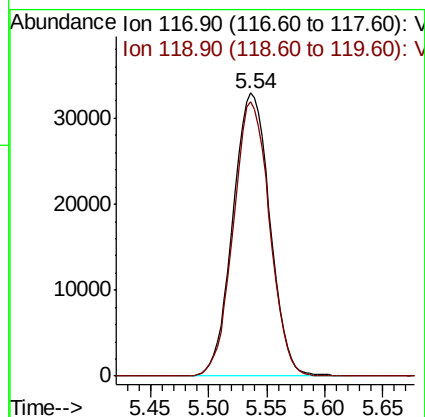
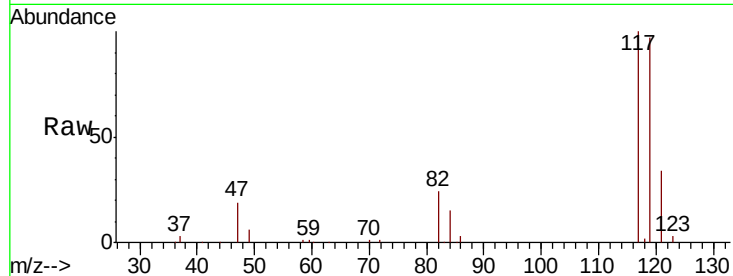




#31
Carbon tetrachloride
Concen: 5.501 ug/L
RT: 5.54 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

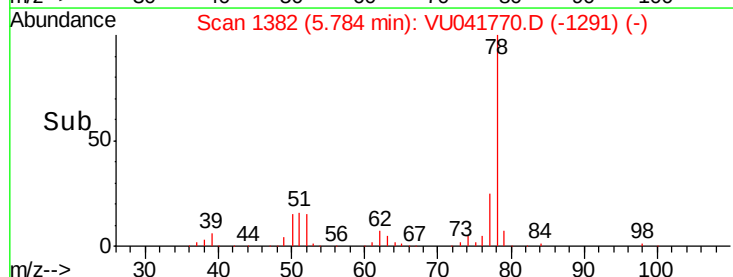
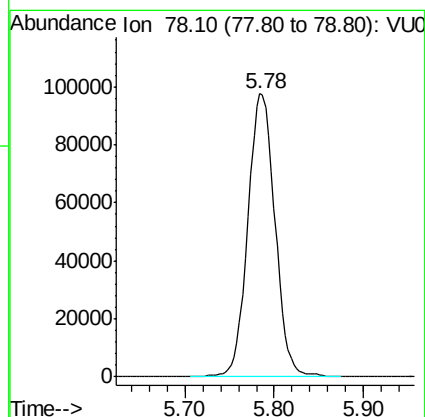
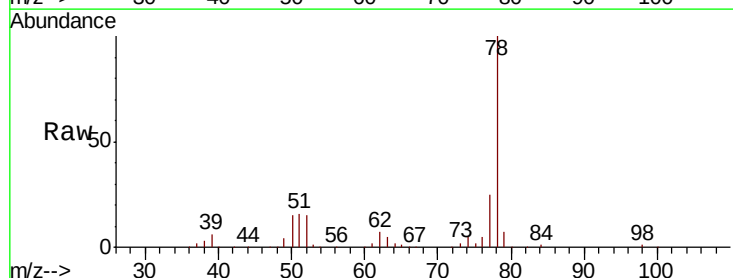
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

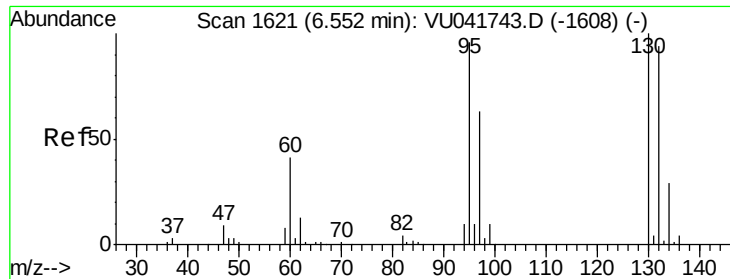
Tot Ion:117 Resp: 72883
Ion Ratio Lower Upper
117 100
119 95.0 76.2 114.2



#33
Benzene
Concen: 4.829 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Tgt Ion: 78 Resp: 206058

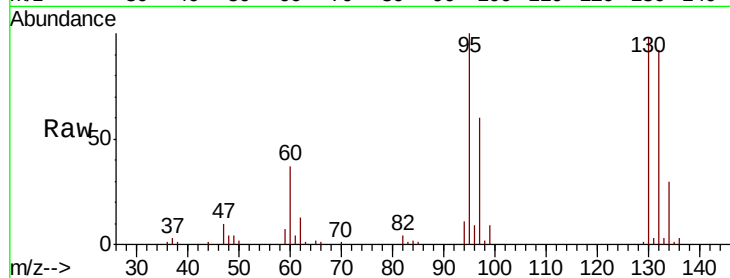




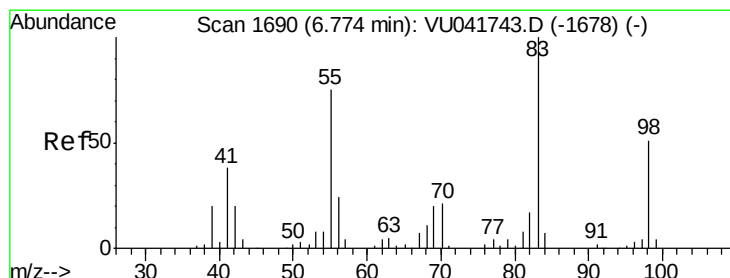
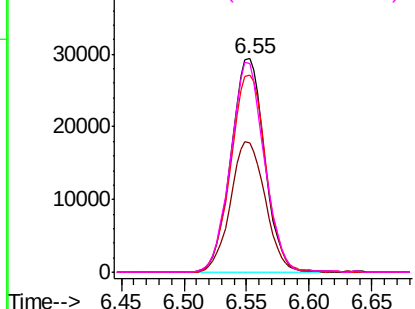
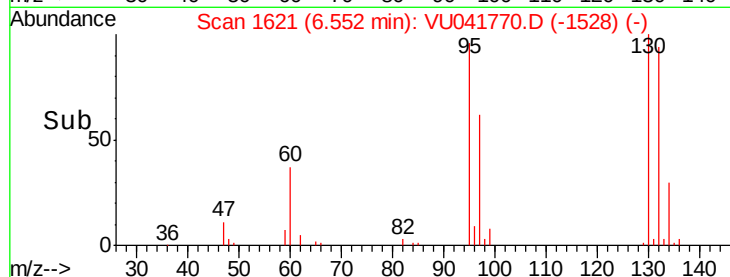
#34
 Trichloroethene
 Concen: 5.107 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 95 Resp: 54759
 Ion Ratio Lower Upper
 95 100
 97 60.3 43.9 81.5
 132 92.1 63.1 117.3
 130 97.8 67.4 125.2

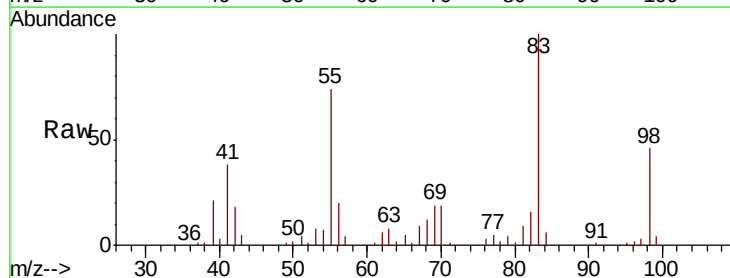


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

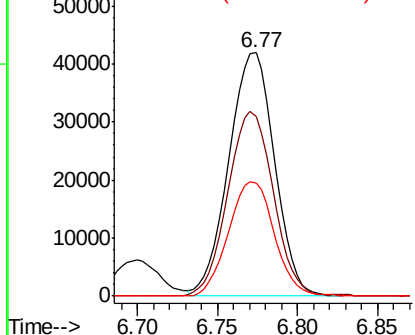
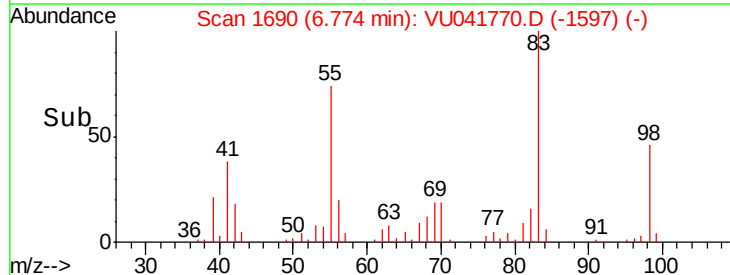


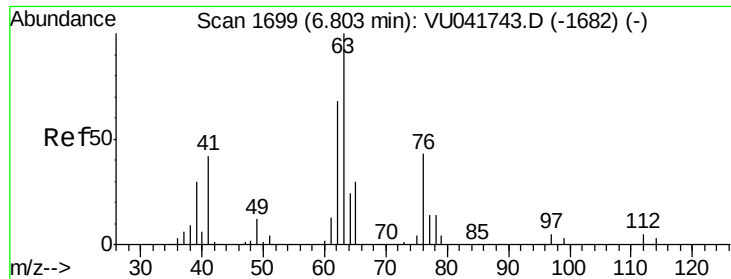
#35
 Methylcyclohexane
 Concen: 4.713 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 83 Resp: 81686
 Ion Ratio Lower Upper
 83 100
 55 75.5 61.2 91.8
 98 47.2 36.6 54.8



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

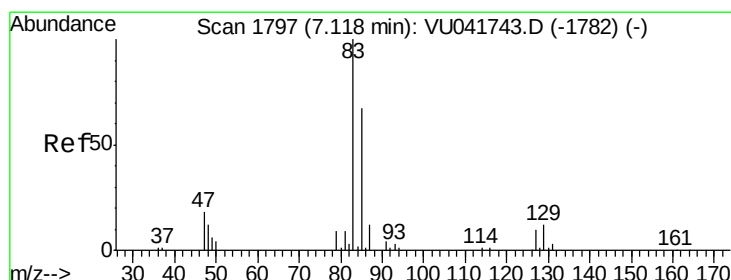
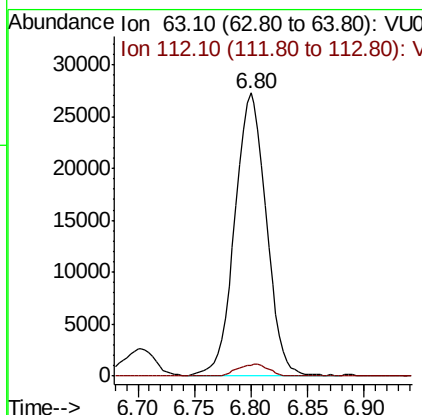
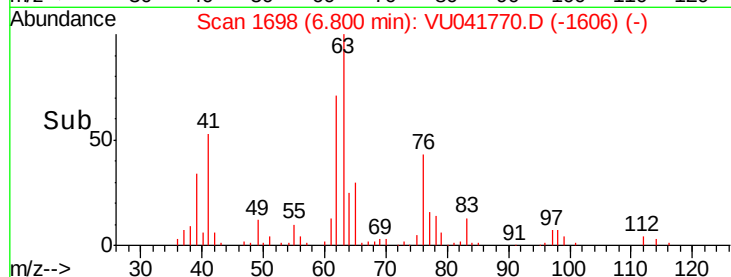
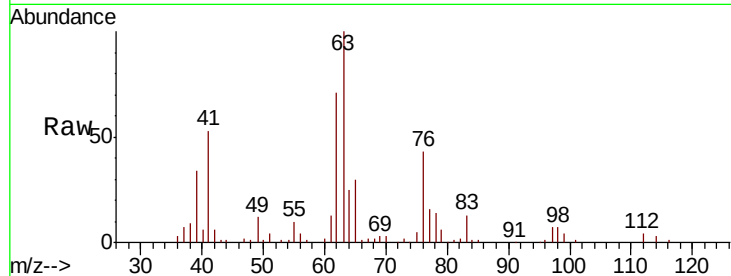




#37
 1,2-Dichloropropane
 Concen: 4.873 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

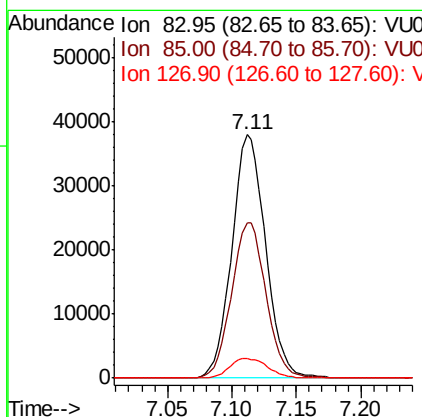
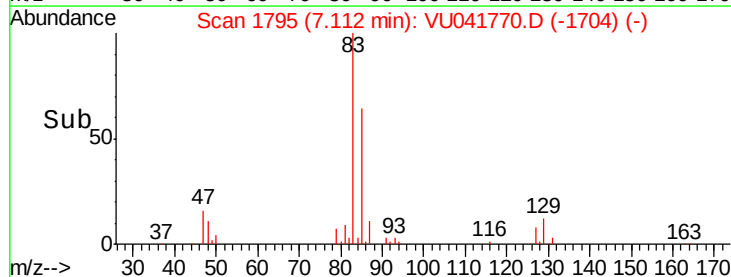
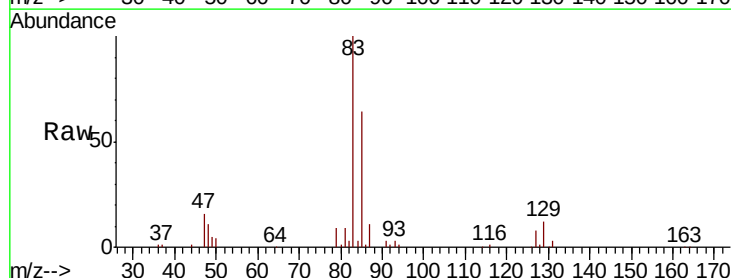
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

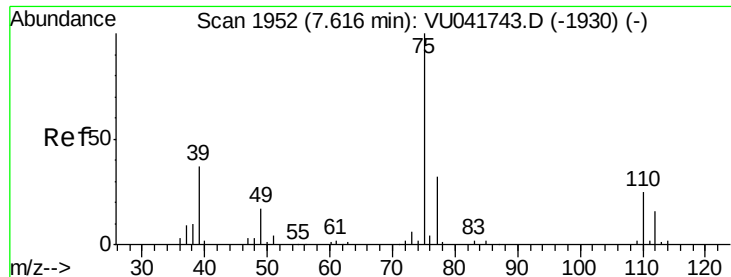
Tot Ion: 63 Resp: 53185
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.086 ug/L
 RT: 7.11 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 83 Resp: 69055
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.5 84.5
 127 7.9 7.0 10.6

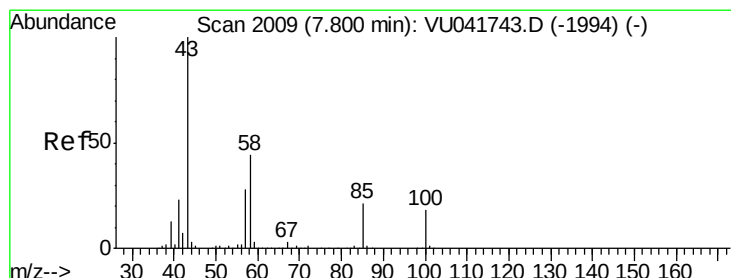
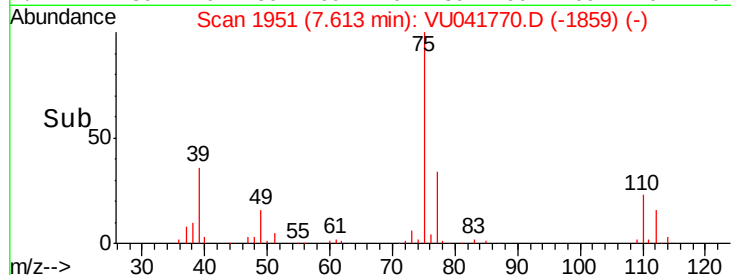
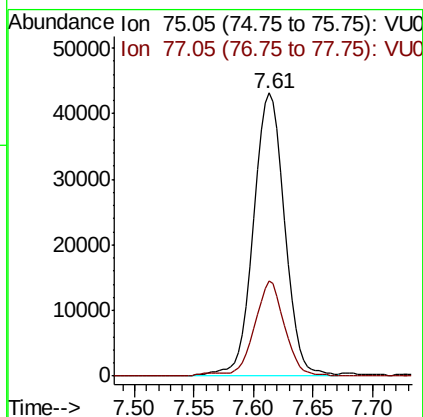
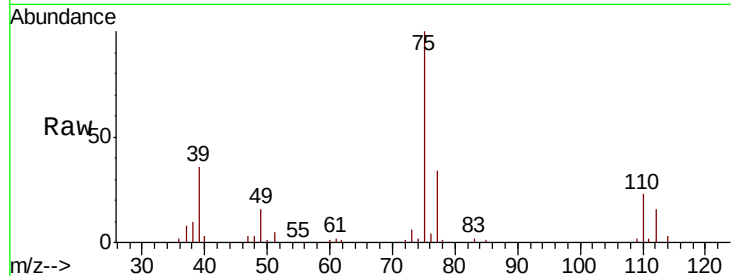




#39
 cis-1,3-Dichloropropene
 Concen: 4.862 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

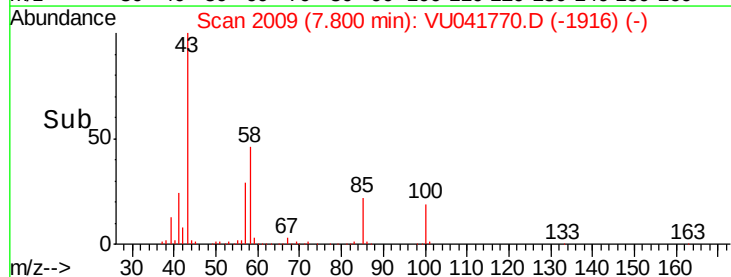
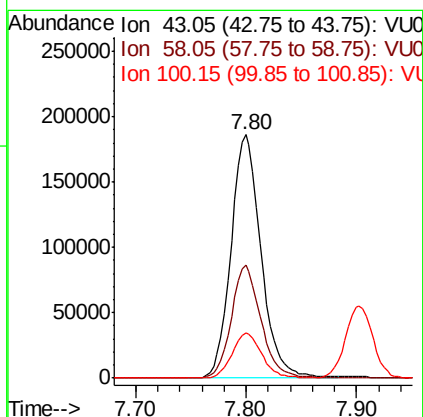
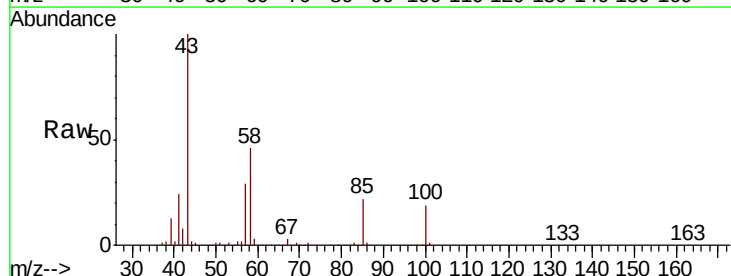
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

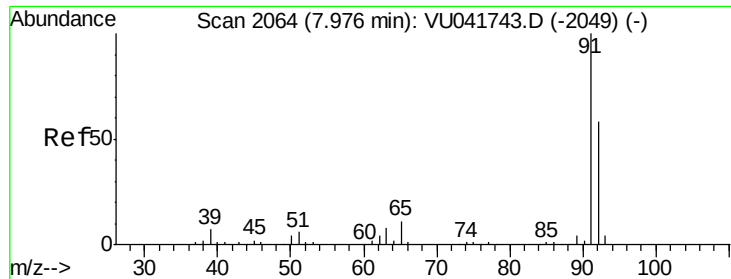
Tot Ion: 75 Resp: 78626
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 45.259 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 43 Resp: 351490
 Ion Ratio Lower Upper
 43 100
 58 45.5 34.2 51.2
 100 18.4 12.3 18.5





#42

Toluene

Concen: 5.109 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampled :

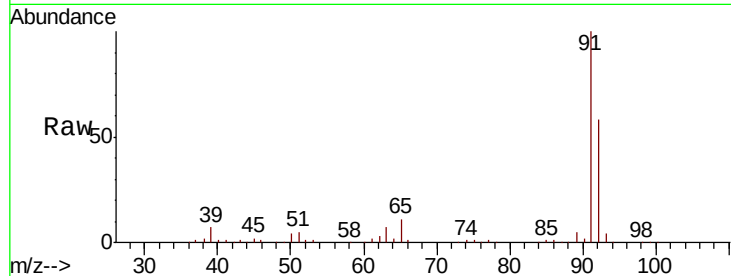
VSTD00527

Tot Ion: 91 Resp: 225071

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU041770.D (-2046) (-)

Ion 92.15 (91.85 to 92.85): VU041770.D (-2046) (-)

7.97

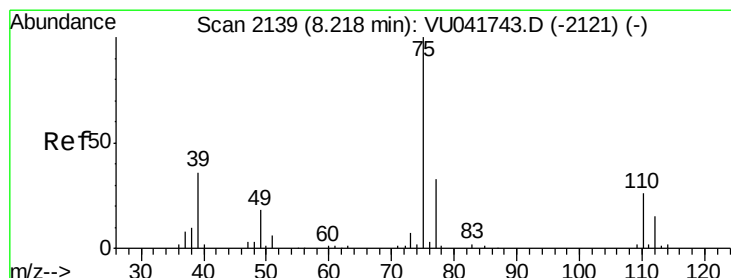
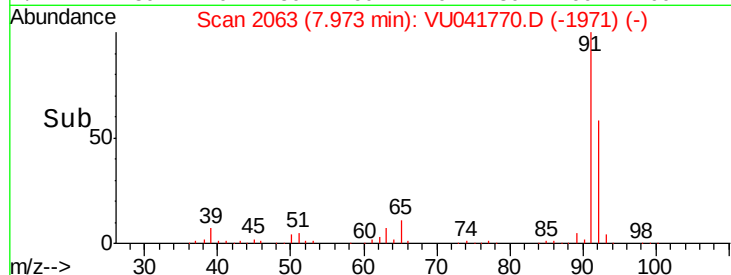
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.944 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041770.D

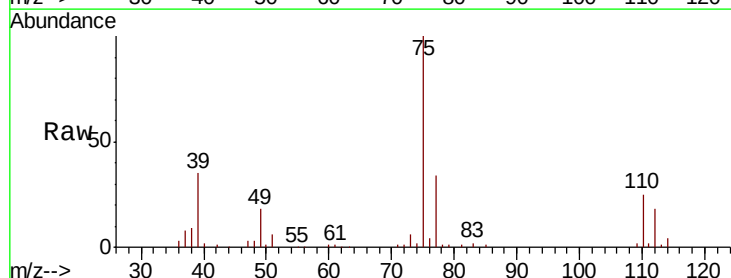
Acq: 23 Dec 2020 09:47

Tgt Ion: 75 Resp: 71508

Ion Ratio Lower Upper

75 100

77 34.5 23.8 44.2



Abundance Ion 75.05 (74.75 to 75.75): VU041770.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU041770.D (-2046) (-)

8.21

40000

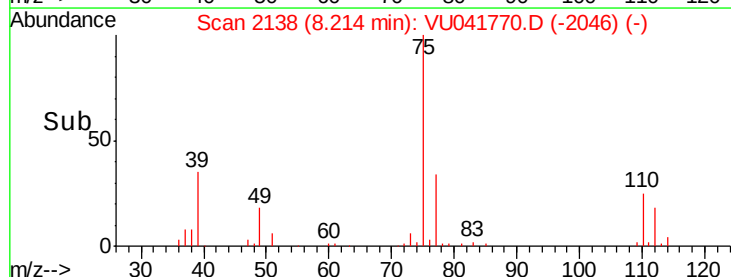
30000

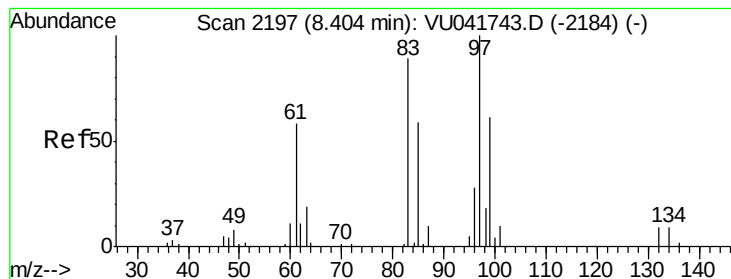
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.447 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 97 Resp: 43962

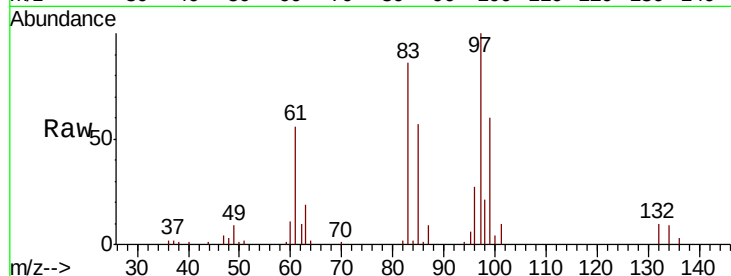
Ion Ratio Lower Upper

97 100

99 60.0 42.1 78.3

83 85.5 62.6 116.2

85 57.2 39.1 72.7

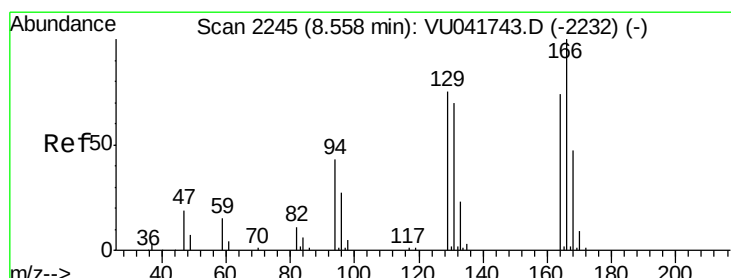
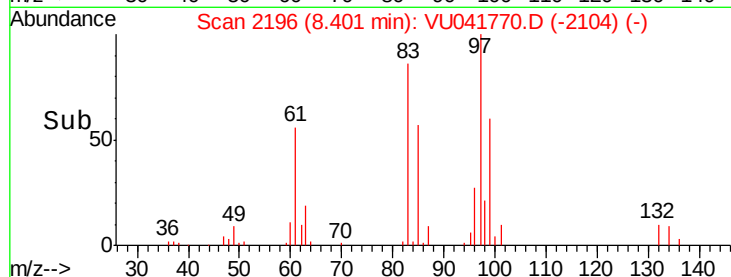
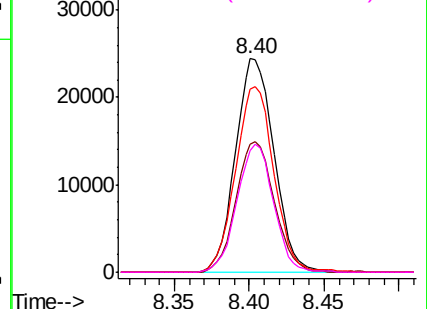


Abundance Ion 96.95 (96.65 to 97.65): VU041770.D (-2184) (-)

Ion 99.05 (98.75 to 99.75): VU041770.D (-2184) (-)

Ion 82.95 (82.65 to 83.65): VU041770.D (-2184) (-)

Ion 85.00 (84.70 to 85.70): VU041770.D (-2184) (-)



#47

Tetrachloroethene

Concen: 5.523 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Tgt Ion: 164 Resp: 41456

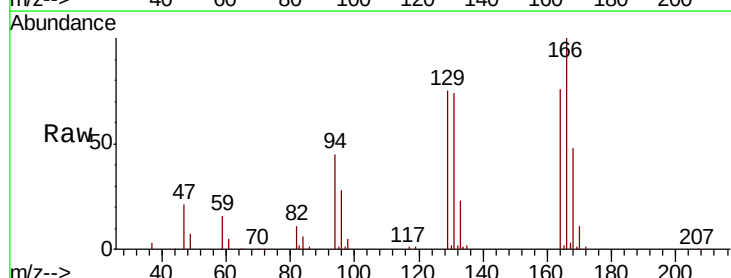
Ion Ratio Lower Upper

164 100

129 99.9 72.2 134.0

131 97.9 66.9 124.3

166 132.4 89.6 166.4

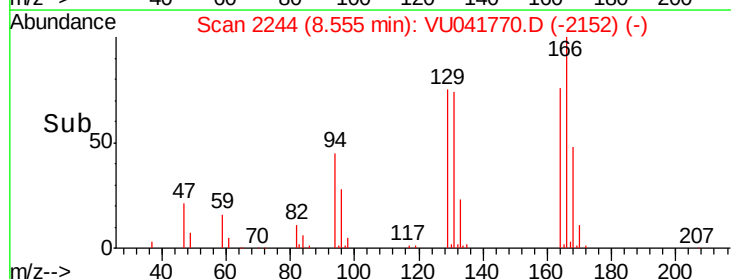
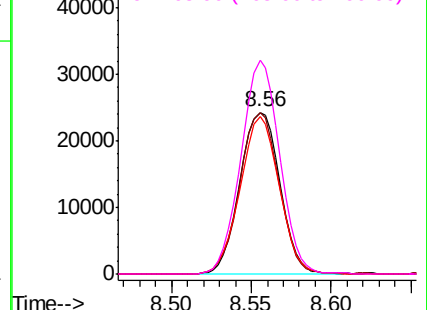


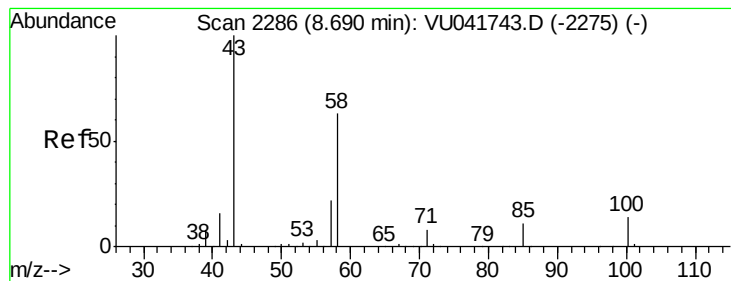
Abundance Ion 163.90 (163.60 to 164.60): VU041770.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU041770.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU041770.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU041770.D (-2152) (-)





#48

2-Hexanone

Concen: 47.976 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 43 Resp: 271163

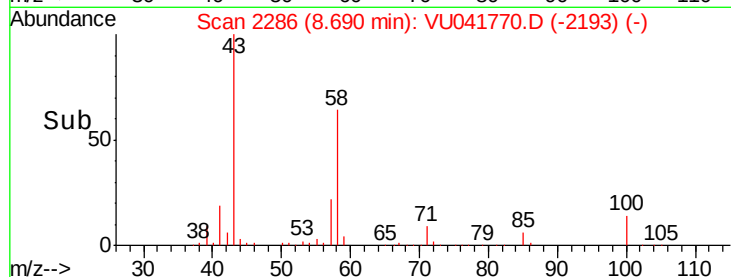
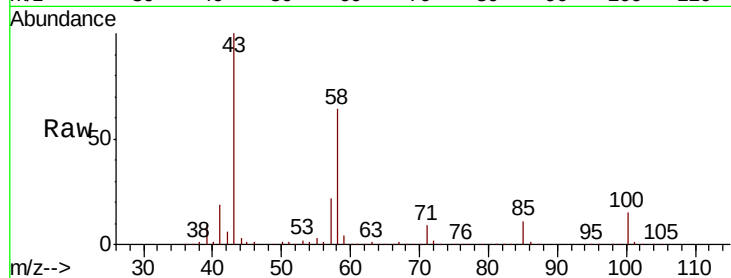
Ion Ratio Lower Upper

43 100

58 61.2 47.9 71.9

57 21.2 16.5 24.7

100 13.9 9.4 14.2

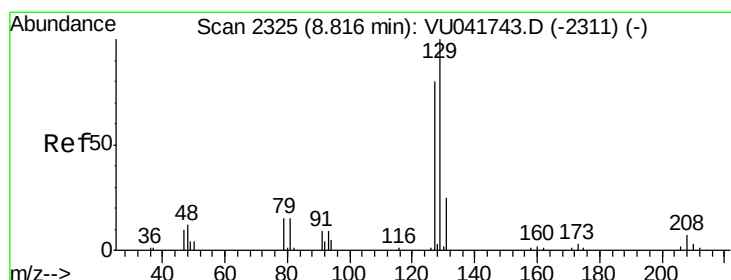
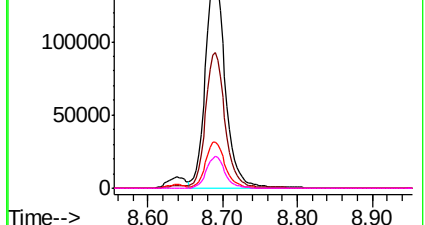


Abundance Ion 43.05 (42.75 to 43.75): VU041770.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041770.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041770.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041770.D (-2193) (-)



#49

Dibromochloromethane

Concen: 5.571 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041770.D

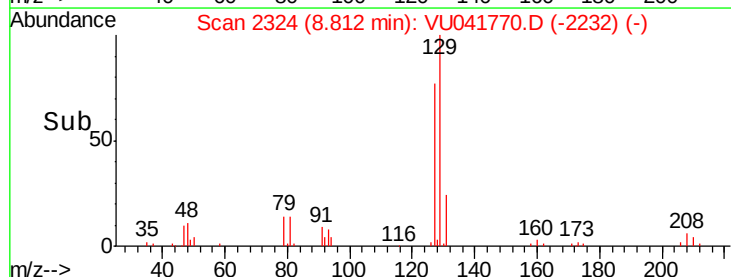
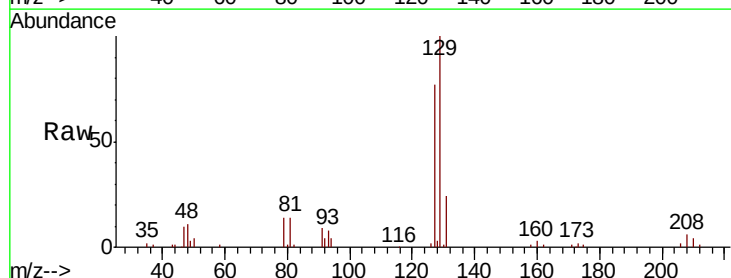
Acq: 23 Dec 2020 09:47

Tgt Ion: 129 Resp: 51648

Ion Ratio Lower Upper

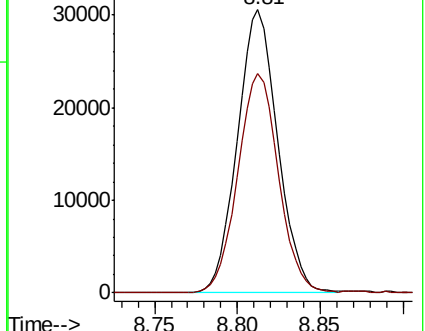
129 100

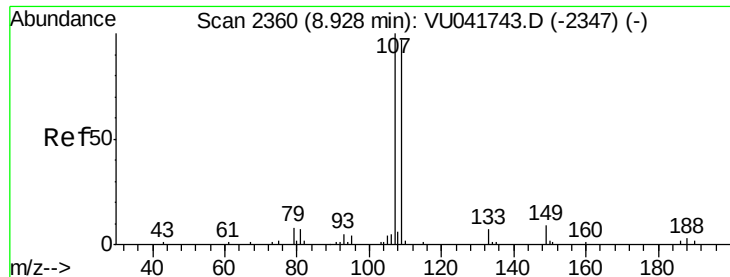
127 77.4 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VU041770.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU041770.D (-2232) (-)

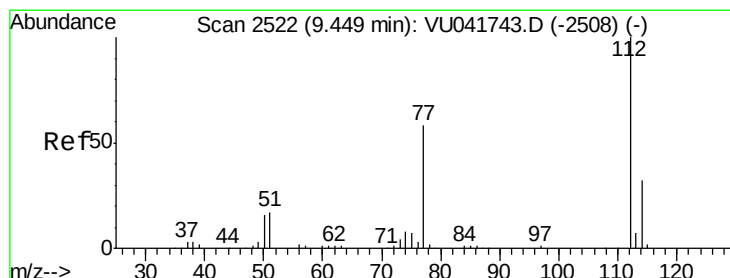
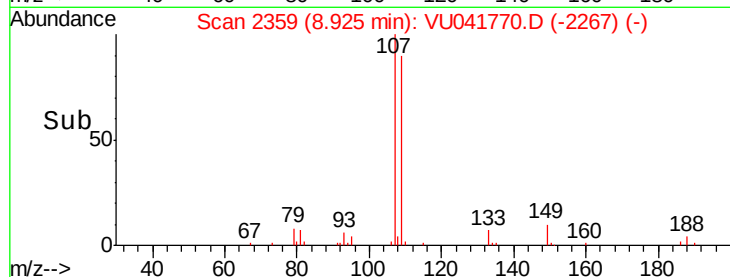
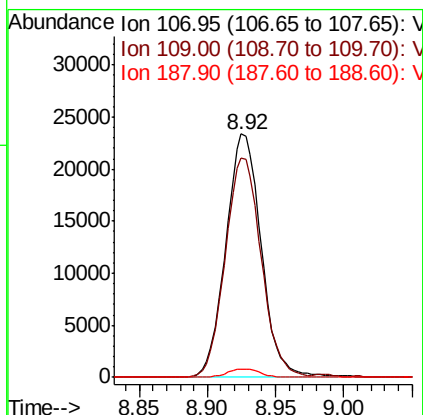
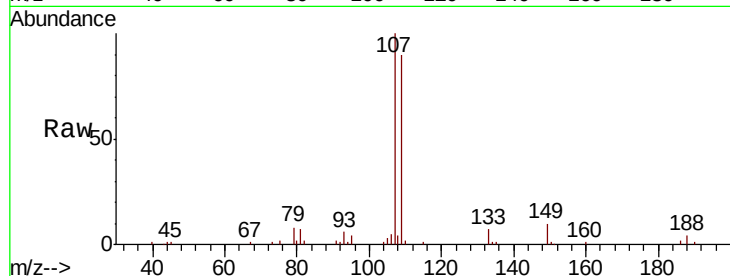




#50
 1,2-Dibromoethane
 Concen: 5.285 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

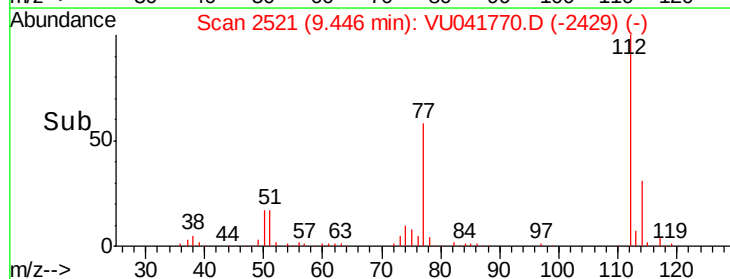
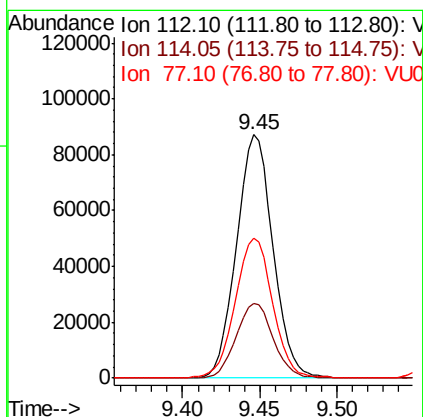
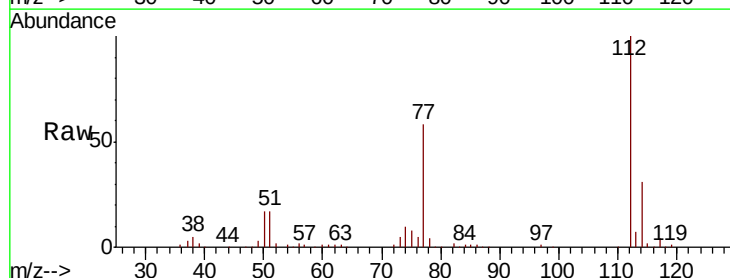
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

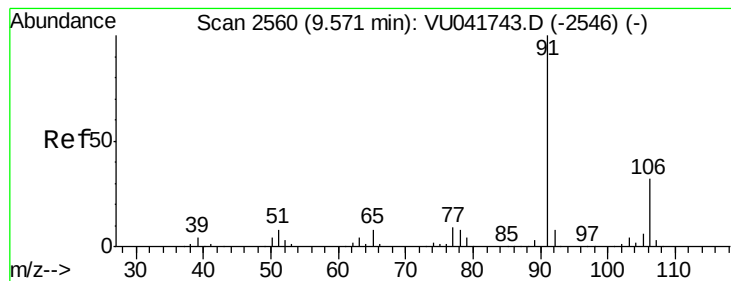
Tot Ion:107 Resp: 42192
 Ion Ratio Lower Upper
 107 100
 109 90.2 65.6 121.8
 188 3.5 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.221 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion:112 Resp: 142962
 Ion Ratio Lower Upper
 112 100
 114 30.7 22.7 42.3
 77 57.7 49.1 73.7





#52

Ethylbenzene

Concen: 4.857 ug/L

RT: 9.57 min Scan# 2559

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

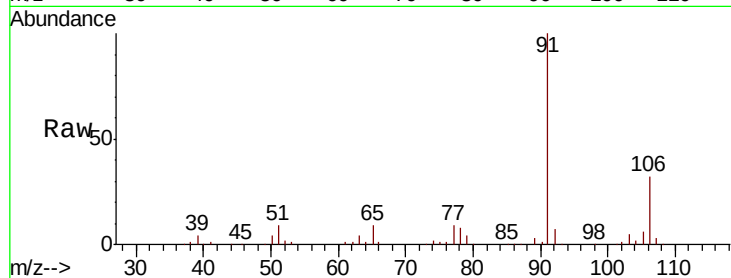
VSTD00527

Tot Ion: 91 Resp: 227828

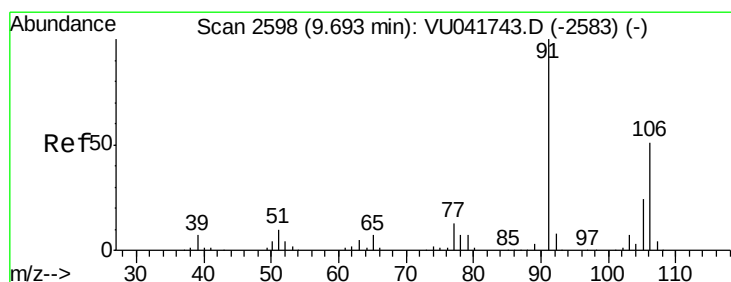
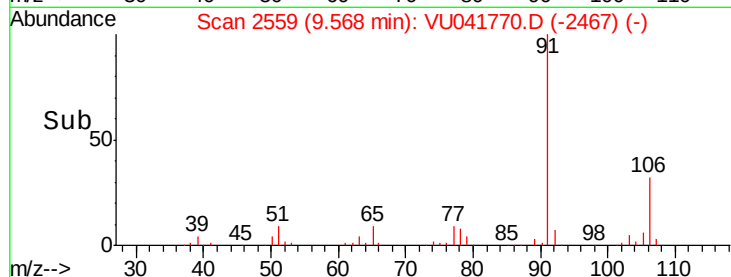
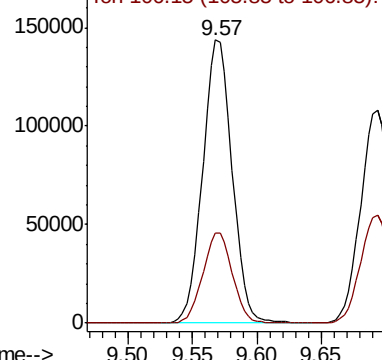
Ion Ratio Lower Upper

91 100

106 31.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU041770.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.257 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041770.D

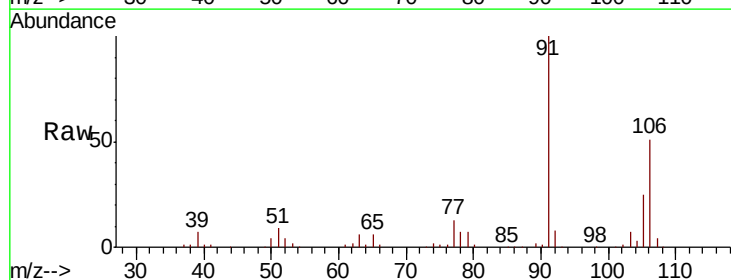
Acq: 23 Dec 2020 09:47

Tgt Ion: 106 Resp: 91979

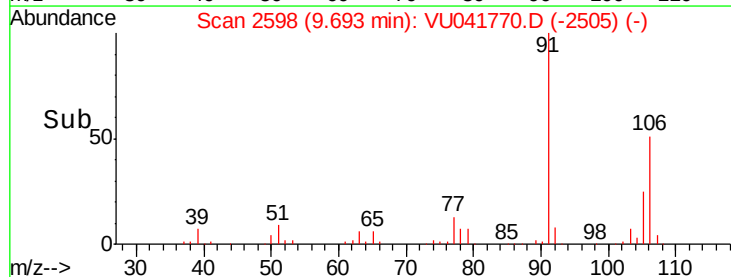
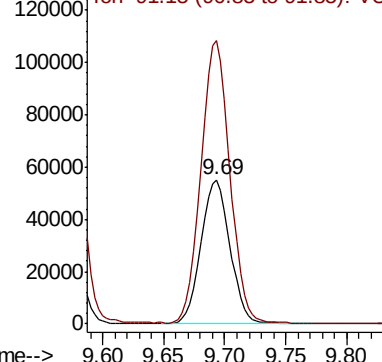
Ion Ratio Lower Upper

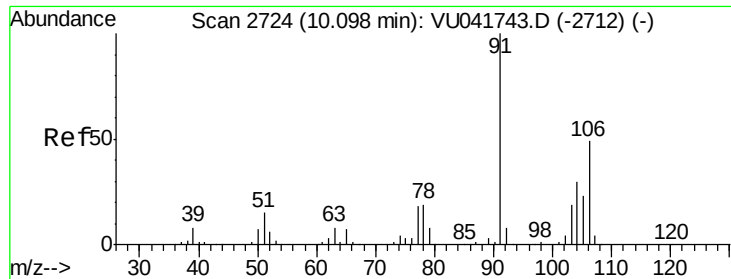
106 100

91 196.7 140.4 260.8



Abundance Ion 106.15 (105.85 to 106.85): VU041770.D (-2583) (-)

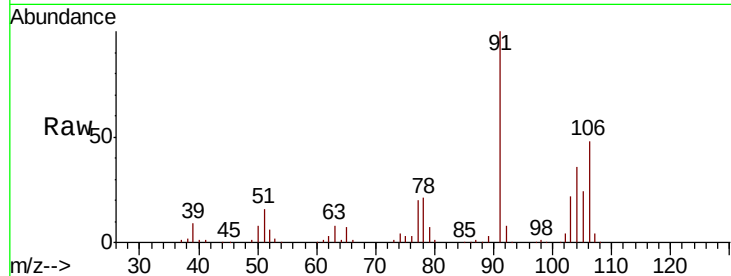




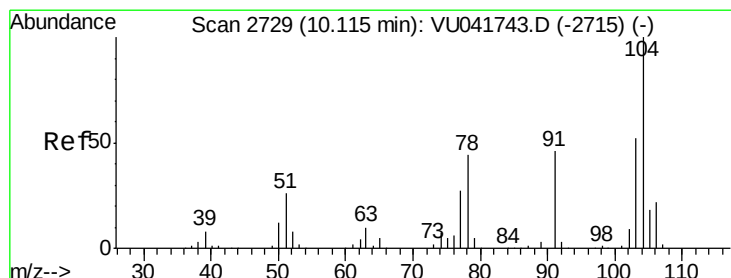
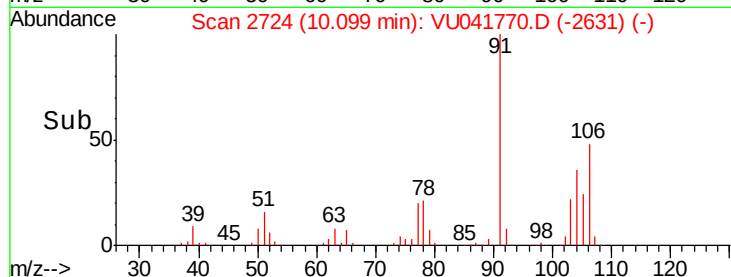
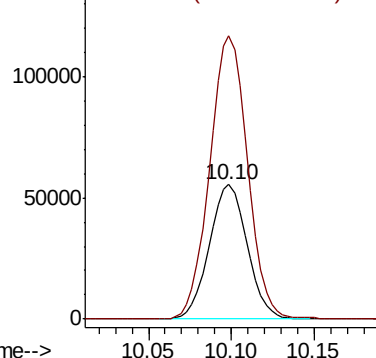
#54
o-Xylene
Concen: 5.139 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 88053
Ion Ratio Lower Upper
106 100
91 210.1 151.3 281.1

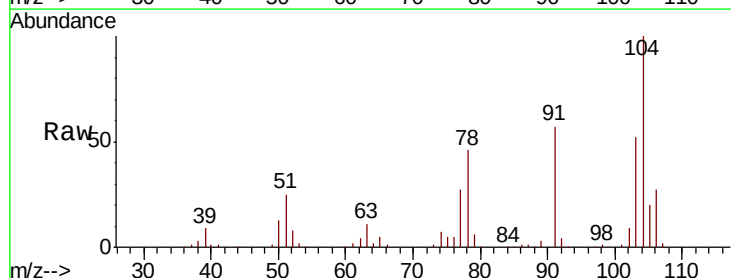


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

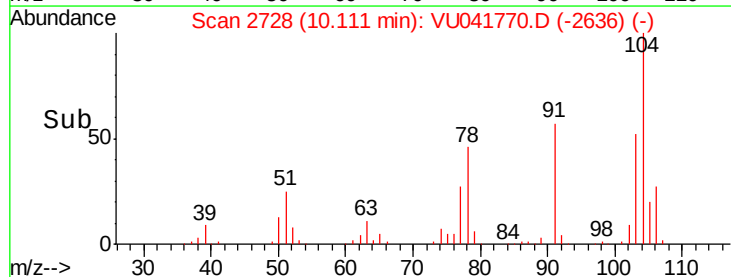
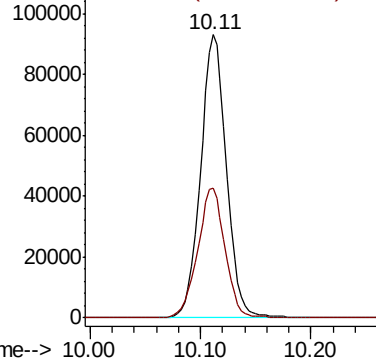


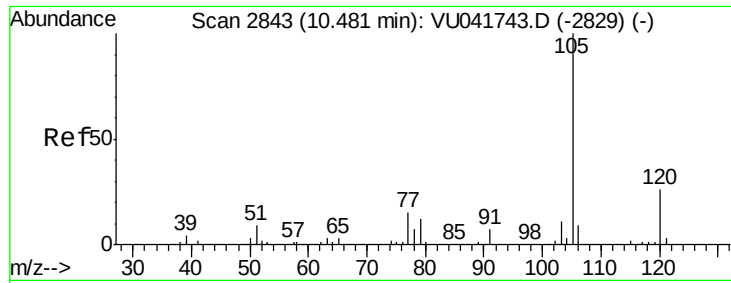
#55
Styrene
Concen: 5.088 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU041770.D
Acq: 23 Dec 2020 09:47

Tgt Ion:104 Resp: 150598
Ion Ratio Lower Upper
104 100
78 45.8 31.1 57.9



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





#56

Isopropylbenzene

Concen: 5.100 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

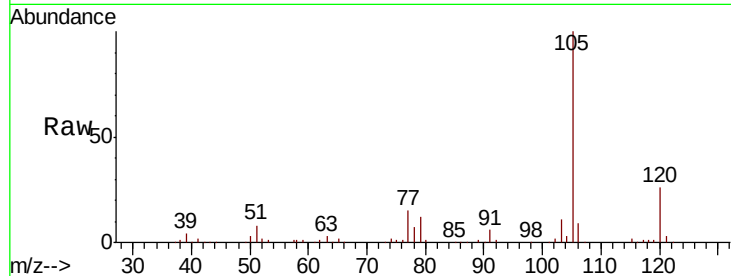
Tot Ion:105 Resp: 232625

Ion Ratio Lower Upper

105 100

120 26.0 20.5 30.7

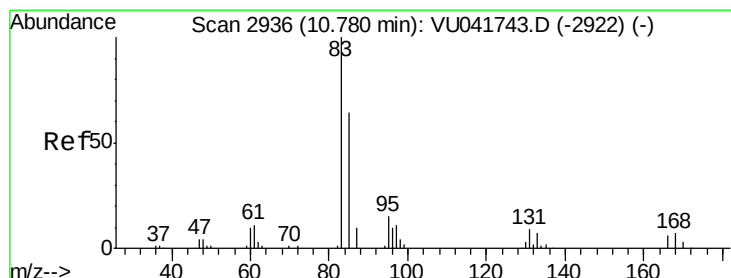
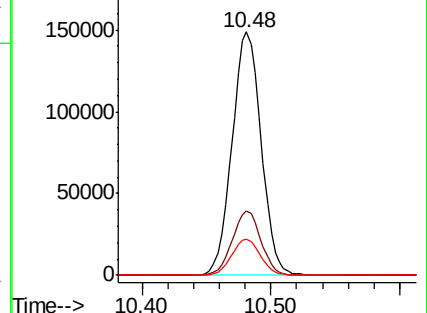
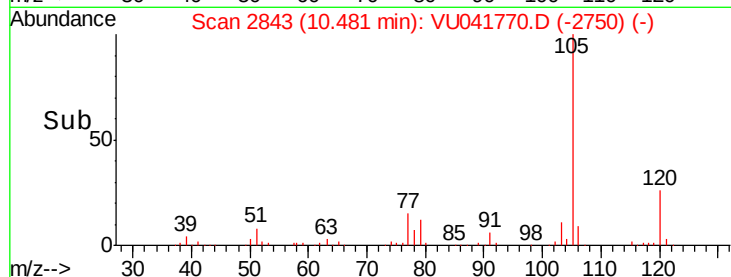
77 14.8 12.7 19.1



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: 4.995 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

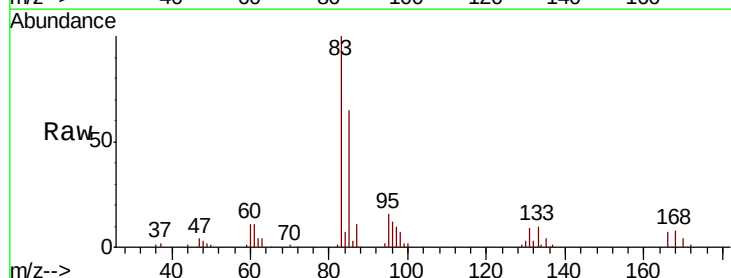
Tgt Ion: 83 Resp: 56096

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7

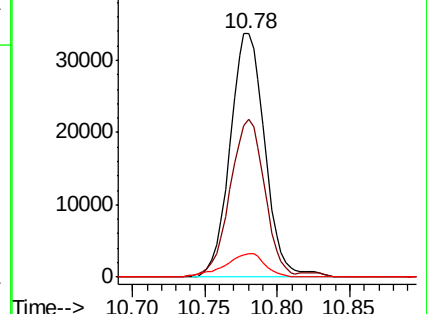
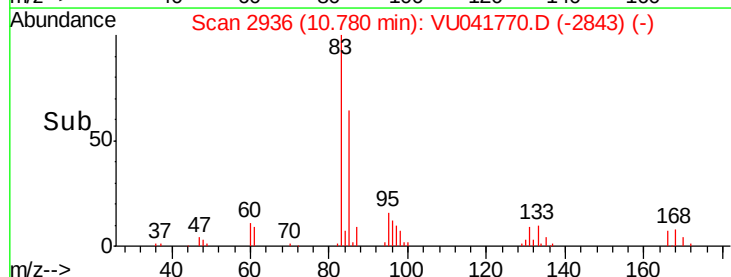
131 9.4 7.8 11.6

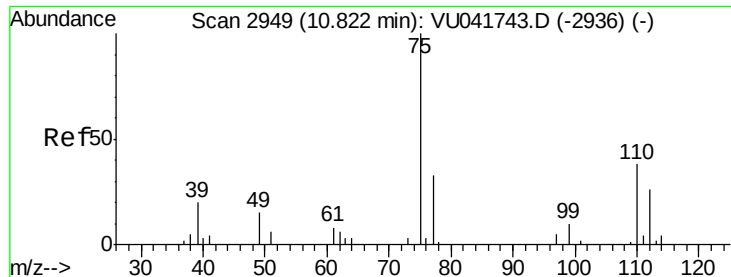


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

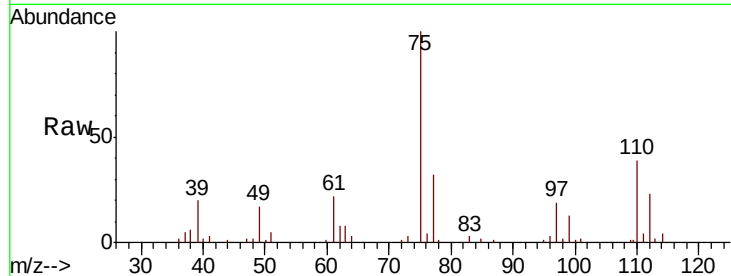




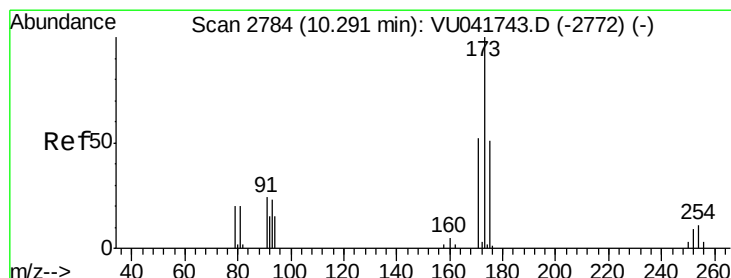
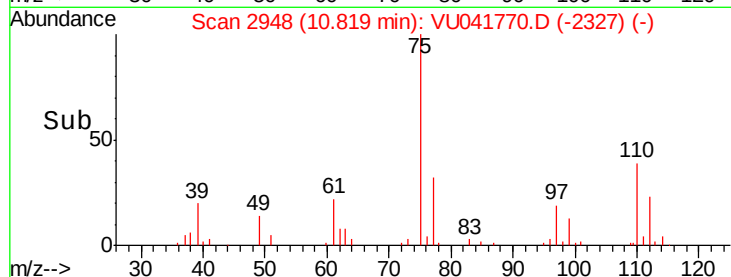
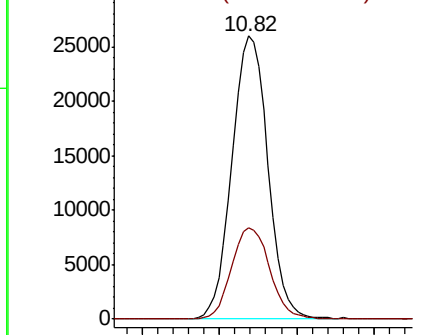
#59
 1,2,3-Trichloropropane
 Concen: 5.113 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 75 Resp: 41908
 Ion Ratio Lower Upper
 75 100
 77 34.0 26.2 39.2

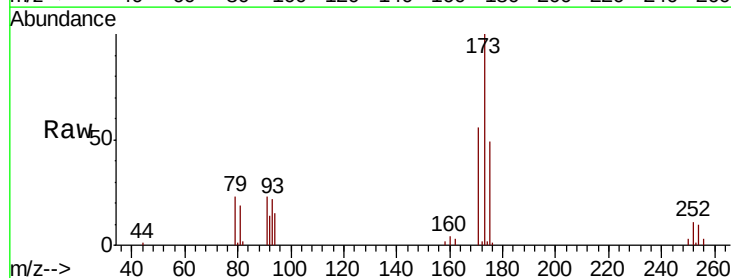


Abundance Ion 75.00 (74.70 to 75.70): VU041743.D (-2936) (-)
 Ion 77.00 (76.70 to 77.70): VU041743.D (-2936) (-)

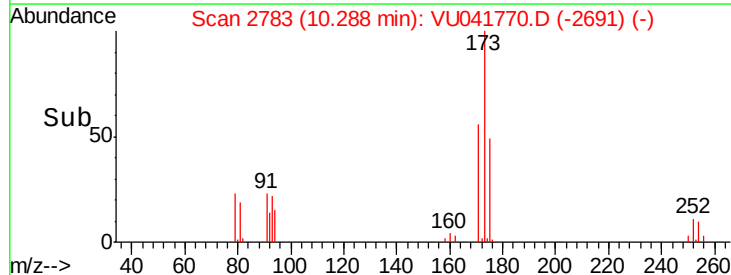
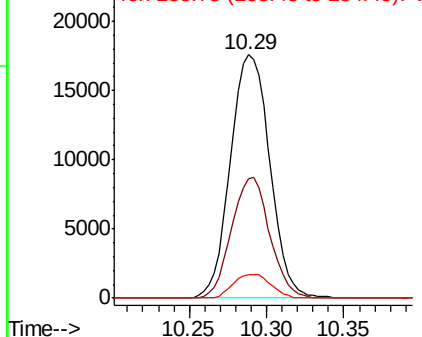


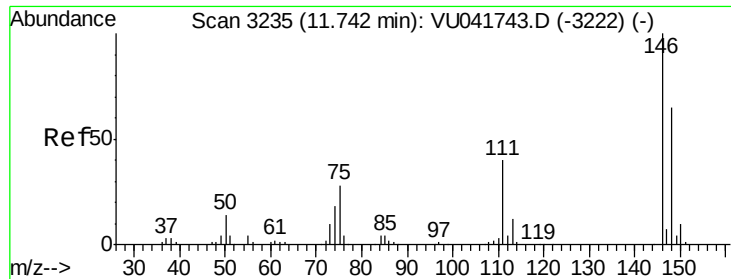
#61
 Bromoform
 Concen: 5.847 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion: 173 Resp: 31138
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.3 55.9
 254 9.3 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): VU041743.D (-2772) (-)
 Ion 174.90 (174.60 to 175.60): VU041743.D (-2772) (-)
 Ion 253.75 (253.45 to 254.45): VU041743.D (-2772) (-)

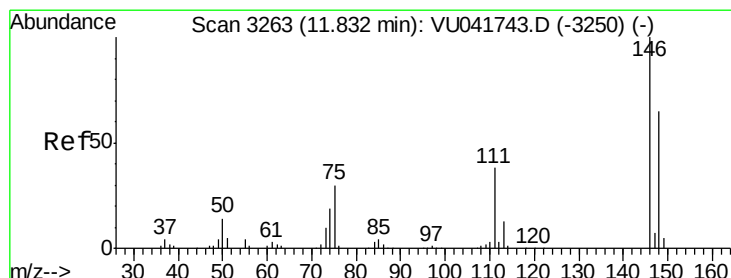
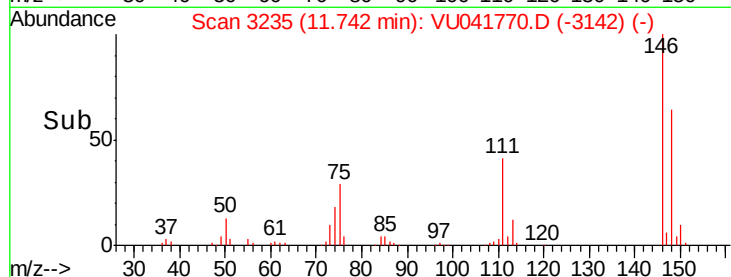
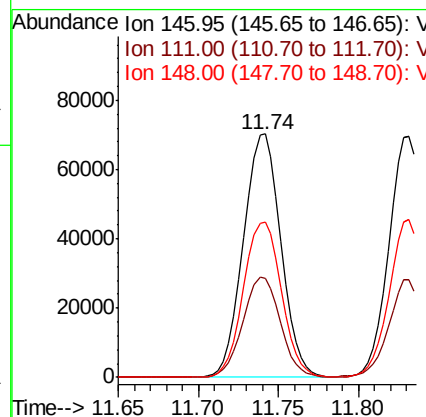
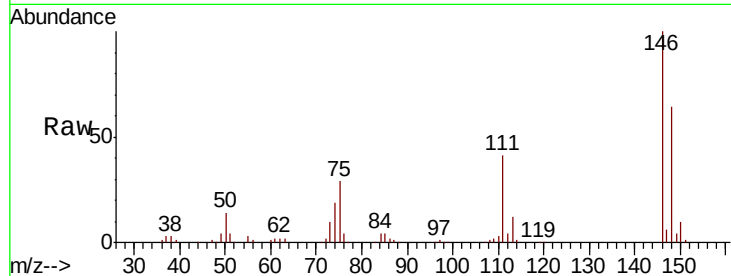




#62
 1,3-Dichlorobenzene
 Concen: 5.207 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

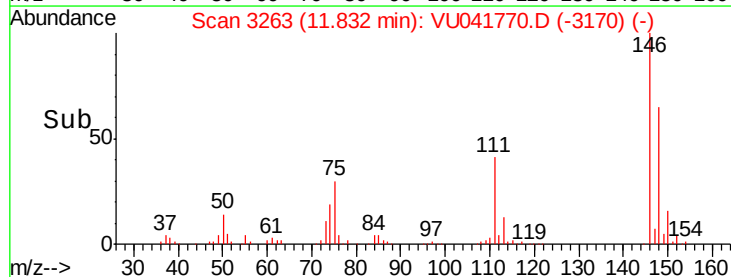
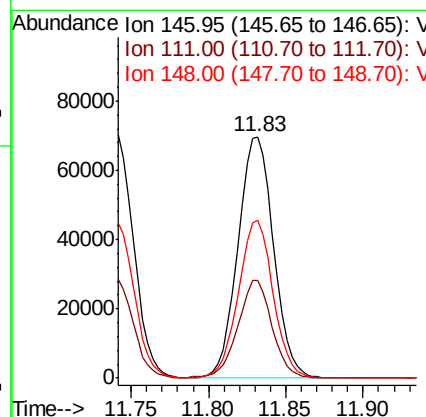
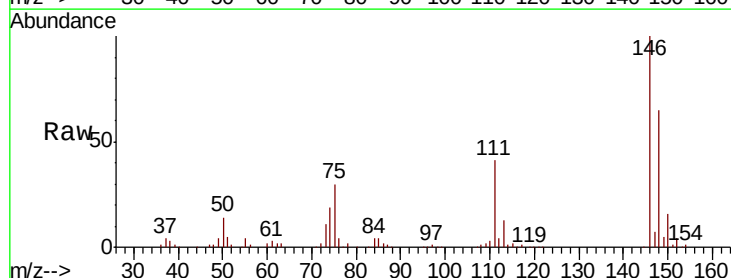
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

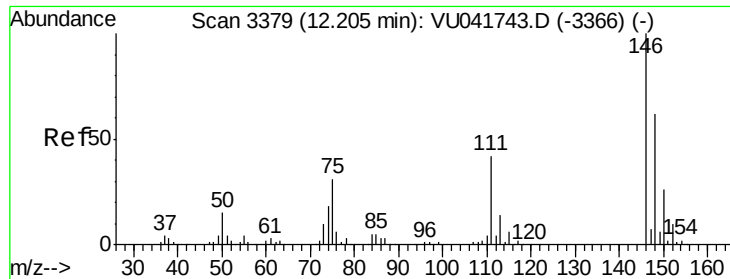
Tot Ion:146 Resp: 112176
 Ion Ratio Lower Upper
 146 100
 111 40.5 30.0 55.8
 148 63.6 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 5.130 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion:146 Resp: 111126
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.9 51.9
 148 65.3 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 5.275 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

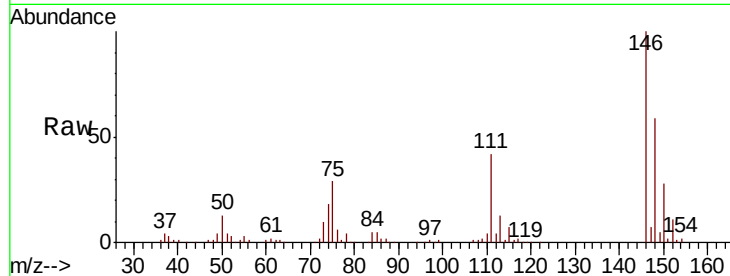
Tot Ion:146 Resp: 111290

Ion Ratio Lower Upper

146 100

111 42.2 35.0 52.6

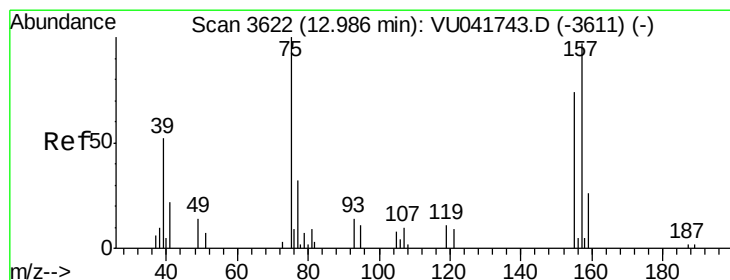
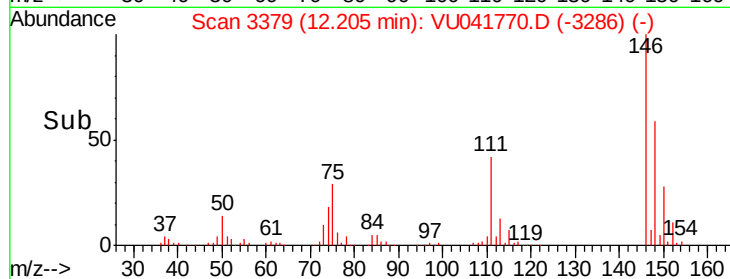
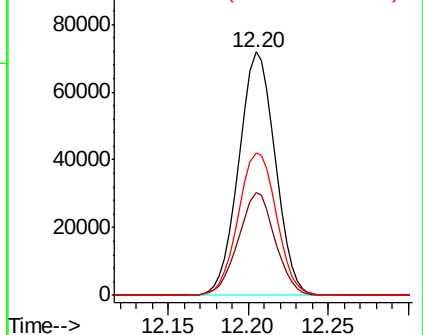
148 58.6 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.953 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

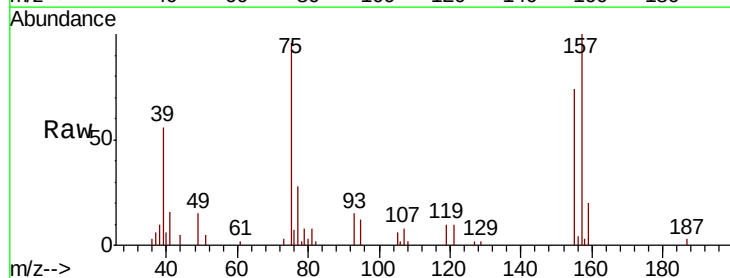
Tgt Ion: 75 Resp: 9799

Ion Ratio Lower Upper

75 100

155 76.7 57.4 86.0

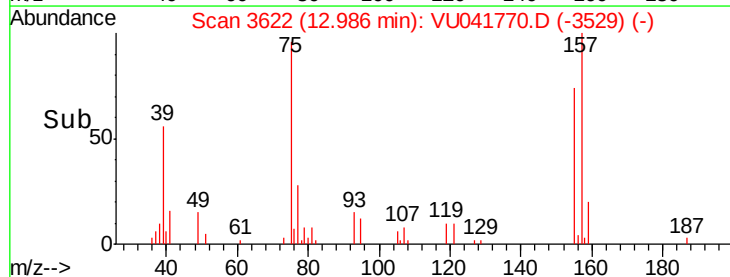
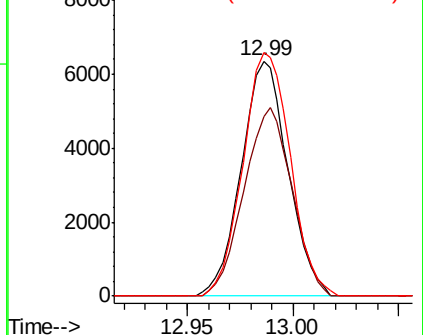
157 103.7 72.4 108.6

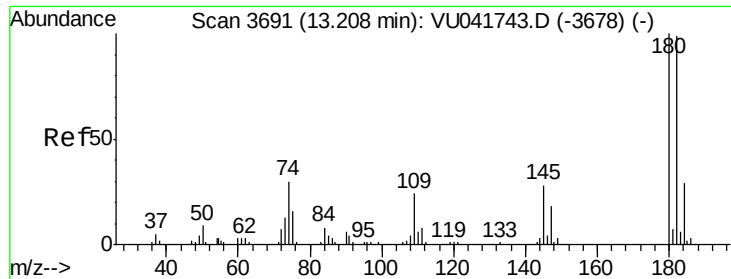


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

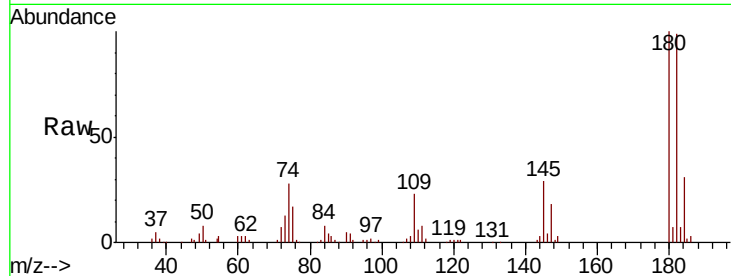




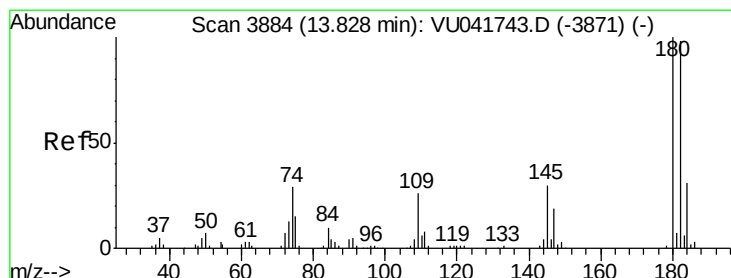
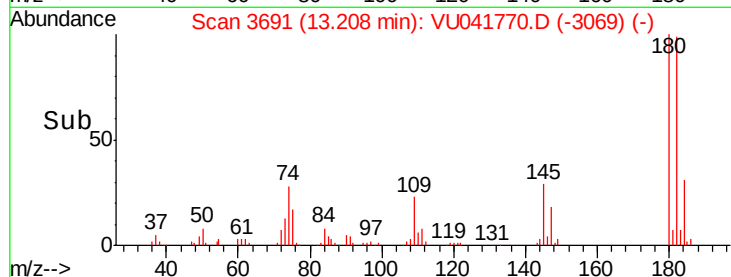
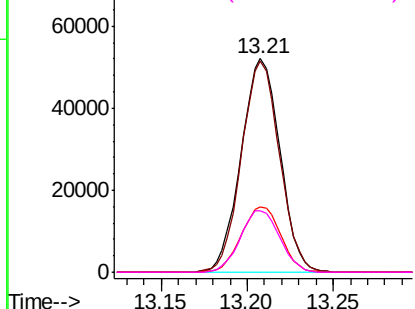
#67
 1,3,5-Trichlorobenzene
 Concen: 5.015 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180	Resp:	82015
Ion	Ratio	Lower Upper
180	100	
182	96.5	76.3 114.5
184	31.0	24.1 36.1
145	29.1	24.1 36.1

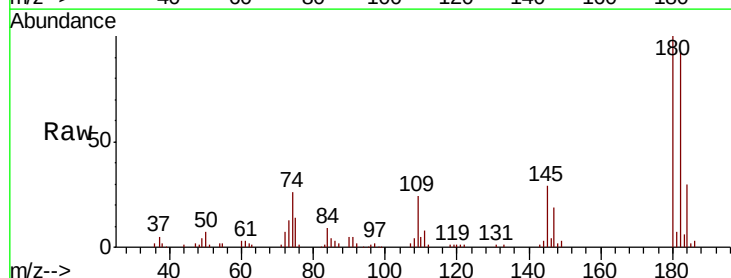


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

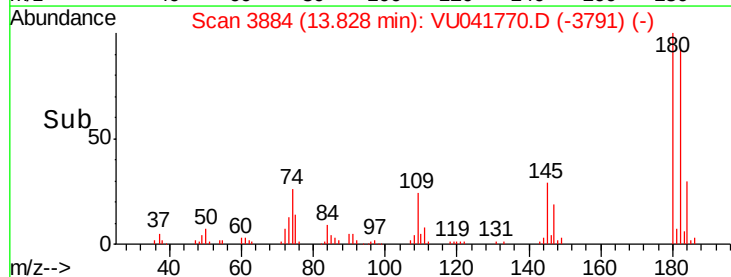
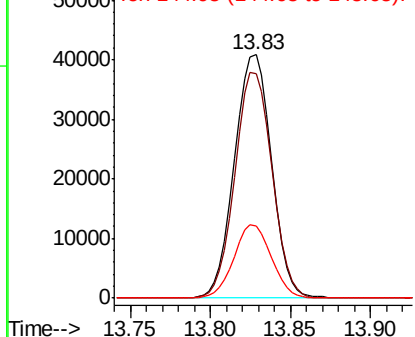


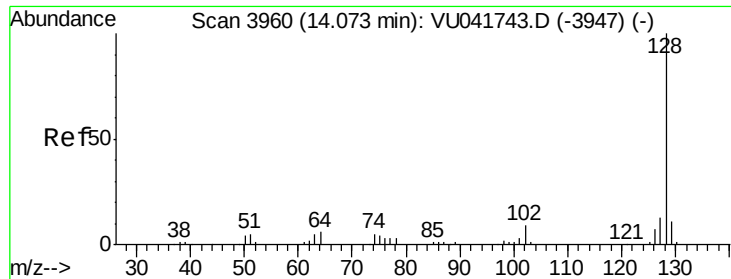
#68
 1,2,4-trichlorobenzene
 Concen: 4.699 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041770.D
 Acq: 23 Dec 2020 09:47

Tgt Ion:180	Resp:	64493
Ion	Ratio	Lower Upper
180	100	
182	92.7	75.4 113.0
145	30.2	24.5 36.7



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: 4.072 ug/L

RT: 14.07 min Scan# 3960

Delta R.T. 0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

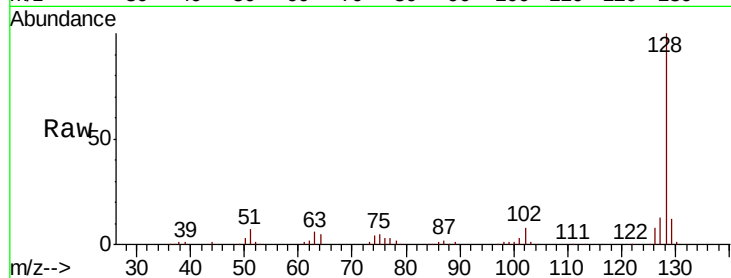
Tot Ion:128 Resp: 115685

Ion Ratio Lower Upper

128 100

129 11.5 8.7 13.1

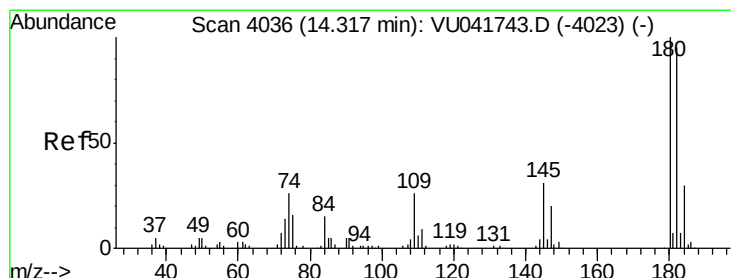
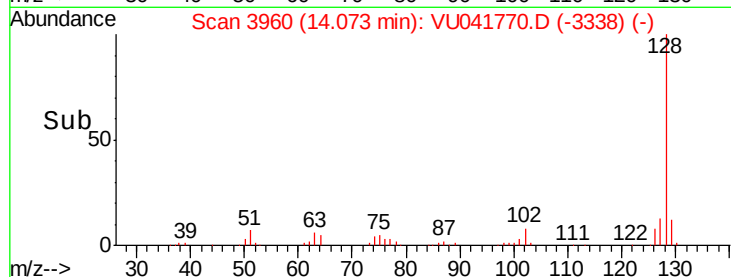
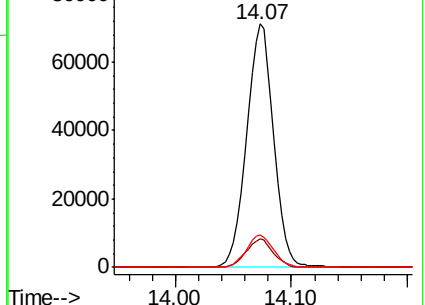
127 13.4 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.790 ug/L

RT: 14.31 min Scan# 4035

Delta R.T. -0.00 min

Lab File: VU041770.D

Acq: 23 Dec 2020 09:47

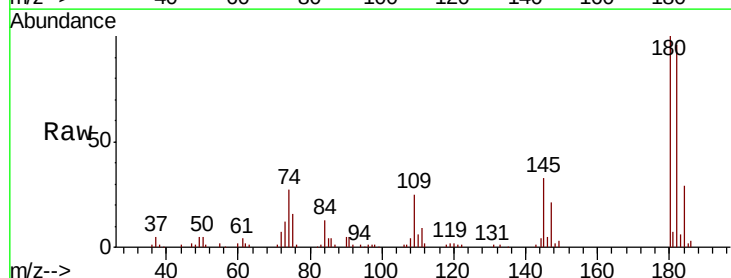
Tgt Ion:180 Resp: 62658

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

145 32.7 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

