

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\
 Data File : VU039511.D
 Acq On : 15 Jul 2020 19:47
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Jul 16 04:13:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 16 04:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	89501	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	91062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45078	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	26345	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	31056	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.58	63	54225	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.20%
20) 2-Butanone-d5	4.65	46	109461	46.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.24%
24) Chloroform-d	5.09	84	55248	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.72	65	35019	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.75	84	109875	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	36265	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	99952	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	8.19	79	15293	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	85827	42.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.08%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	34723	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	41275	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	29530	5.444	ug/L	99
3) Chloromethane	1.53	50	32386	4.928	ug/L	97
5) Vinyl chloride	1.61	62	34290	4.699	ug/L	96
6) Bromomethane	1.87	94	21312	6.781	ug/L	92
8) Chloroethane	1.94	64	28120	5.333	ug/L	98
9) Trichlorofluoromethane	2.15	101	58154	4.589	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	26801	5.154	ug/L	98
12) 1,1-Dichloroethene	2.59	96	25427	4.777	ug/L	97
13) Acetone	2.66	43	59284	46.274	ug/L	99
14) Carbon disulfide	2.81	76	78143	4.167	ug/L	99
15) Methyl Acetate	2.97	43	15851	4.684	ug/L	95
16) Methylene chloride	3.06	84	37106	5.542	ug/L	93
17) Methyl tert-butyl Ether	3.39	73	78803	4.698	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	28208	4.787	ug/L	97
19) 1,1-Dichloroethane	3.89	63	56787	4.925	ug/L	98
21) 2-Butanone	4.73	43	106839	46.723	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	32256	4.882	ug/L	99

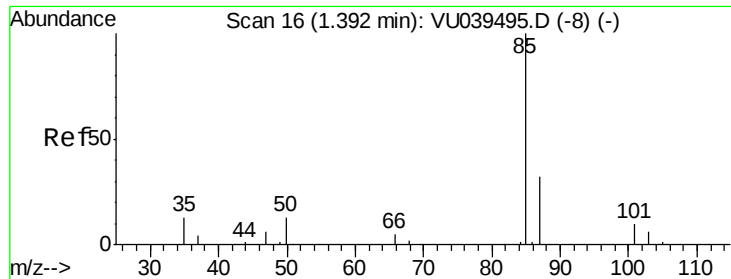
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071520\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	14304	4.765	ug/L	98
25) Chloroform	5.11	83	63487	5.453	ug/L	99
27) 1,2-Dichloroethane	5.81	62	43302	5.141	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	49955	4.658	ug/L	97
30) Cyclohexane	5.41	56	49570	4.390	ug/L	94
31) Carbon tetrachloride	5.54	117	41035	4.484	ug/L	98
33) Benzene	5.79	78	122171	4.487	ug/L	100
34) Trichloroethene	6.56	95	32187	4.573	ug/L	97
35) Methylcyclohexane	6.78	83	49368	4.378	ug/L	99
37) 1,2-Dichloropropane	6.81	63	33796	4.554	ug/L	100
38) Bromodichloromethane	7.12	83	42690	4.504	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	47883	4.268	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	275689	44.529	ug/L	98
42) Toluene	7.98	91	131119	4.498	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	44237	4.444	ug/L	92
45) 1,1,2-Trichloroethane	8.41	97	25160	4.720	ug/L	96
47) Tetrachloroethene	8.56	164	22457	4.587	ug/L	98
48) 2-Hexanone	8.69	43	206153	45.159	ug/L	98
49) Dibromochloromethane	8.82	129	29762	4.609	ug/L	97
50) 1,2-Dibromoethane	8.93	107	24334	4.493	ug/L	96
51) Chlorobenzene	9.45	112	85297	4.788	ug/L	99
52) Ethylbenzene	9.57	91	149135	4.629	ug/L	100
53) m,p-Xylene	9.70	106	55357	4.560	ug/L	98
54) o-Xylene	10.10	106	56180	4.754	ug/L	96
55) Styrene	10.11	104	92658	4.506	ug/L	96
56) Isopropylbenzene	10.48	105	149039	4.663	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	34549	4.656	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	25551	4.671	ug/L	99
61) Bromoform	10.29	173	17398	4.579	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	66238	4.689	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	66606	4.700	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	65474	4.624	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	5485	4.385	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	46612	4.410	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	39905	4.411	ug/L	93
69) Naphthalene	14.08	128	67367	3.701	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	35549	4.241	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.444 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

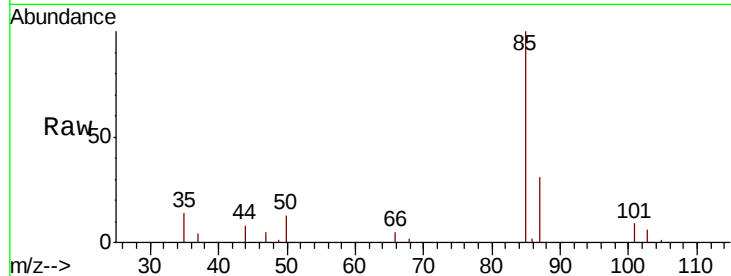
VSTD00522

Tot Ion: 85 Resp: 29530

Ion Ratio Lower Upper

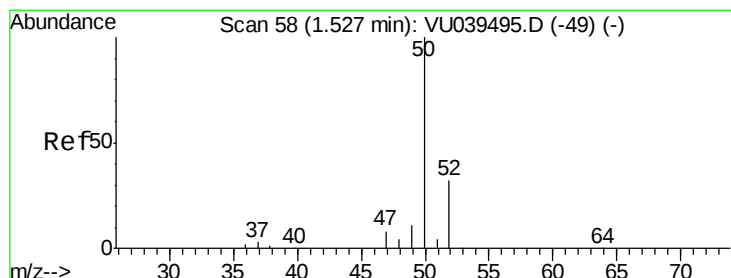
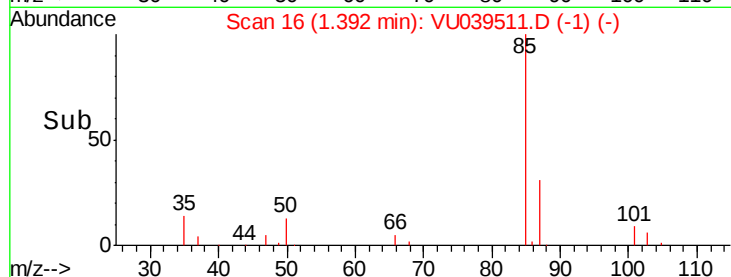
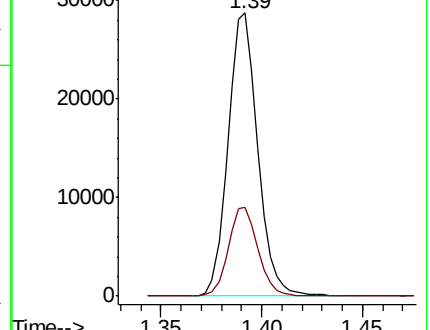
85 100

87 31.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039495.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039495.D (-8) (-)



#3

Chloromethane

Concen: 4.928 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039511.D

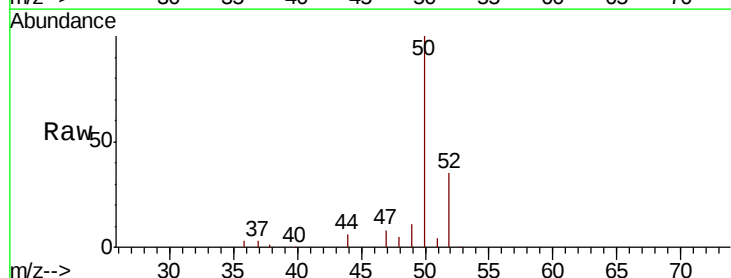
Acq: 15 Jul 2020 19:47

Tgt Ion: 50 Resp: 32386

Ion Ratio Lower Upper

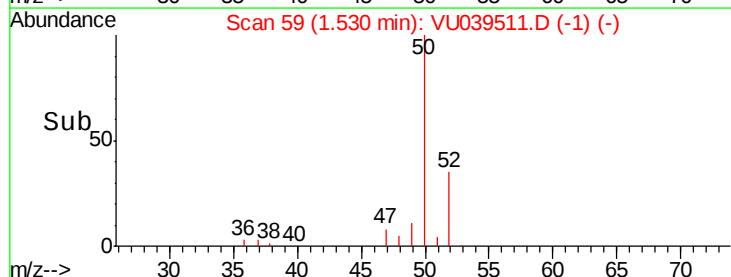
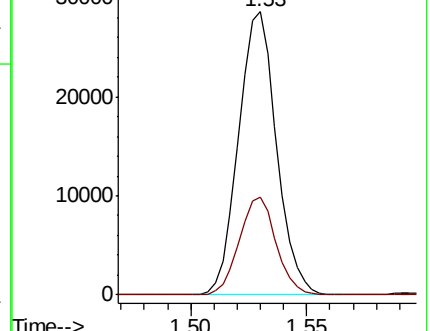
50 100

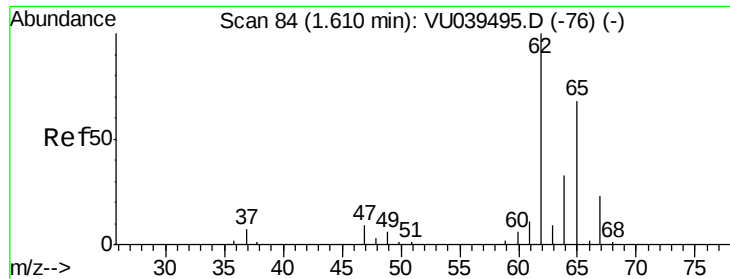
52 34.7 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039495.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039495.D (-49) (-)





#5

Vinyl chloride

Concen: 4.699 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

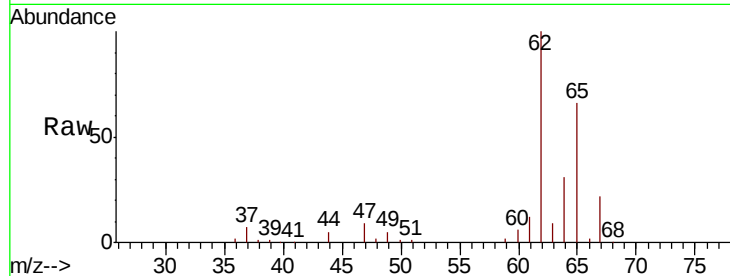
VSTD00522

Tot Ion: 62 Resp: 34290

Ion Ratio Lower Upper

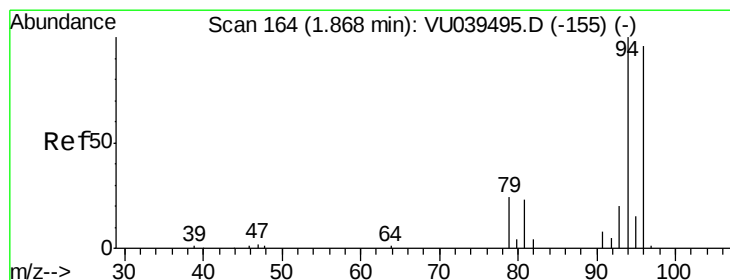
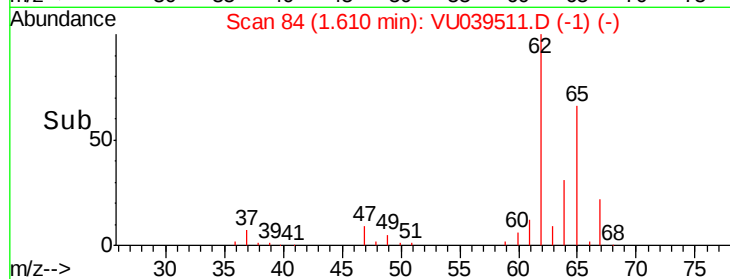
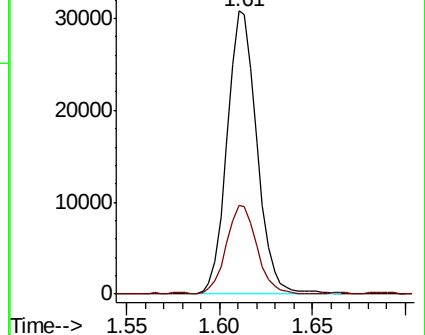
62 100

64 31.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU039511.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU039511.D (-76) (-)



#6

Bromomethane

Concen: 6.781 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039511.D

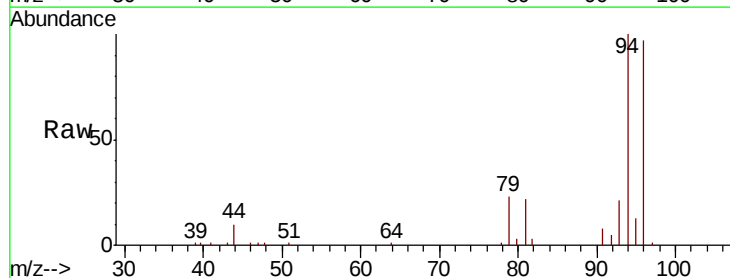
Acq: 15 Jul 2020 19:47

Tgt Ion: 94 Resp: 21312

Ion Ratio Lower Upper

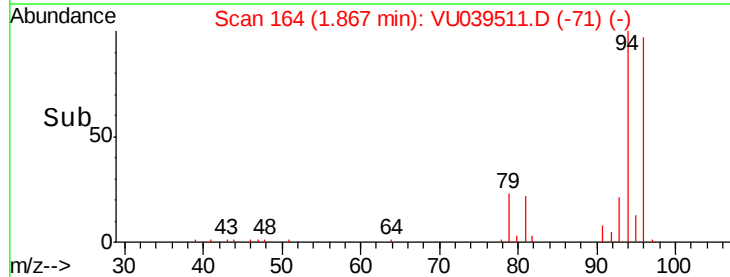
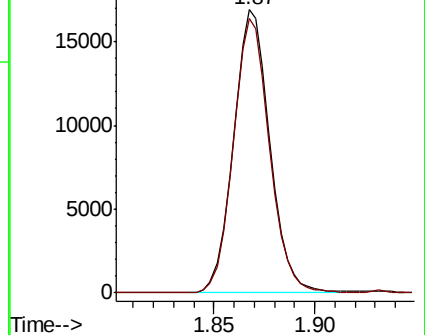
94 100

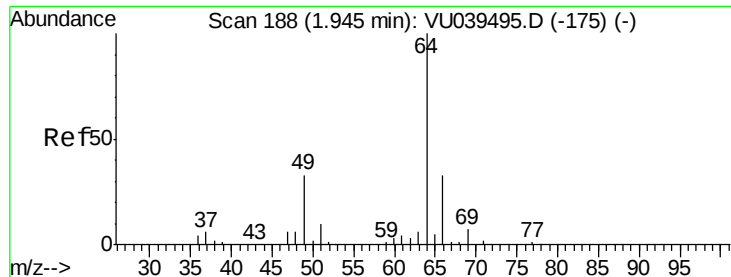
96 97.1 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU039511.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039511.D (-155) (-)





#8

Chloroethane

Concen: 5.333 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

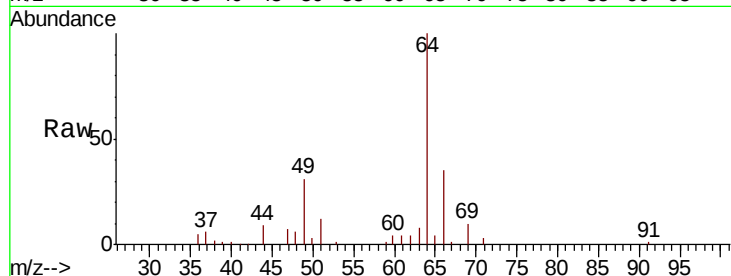
VSTD00522

Tot Ion: 64 Resp: 28120

Ion Ratio Lower Upper

64 100

66 34.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039495.D (-175) (-)

Ion 66.05 (65.75 to 66.75): VU039495.D (-175) (-)

1.94

20000

15000

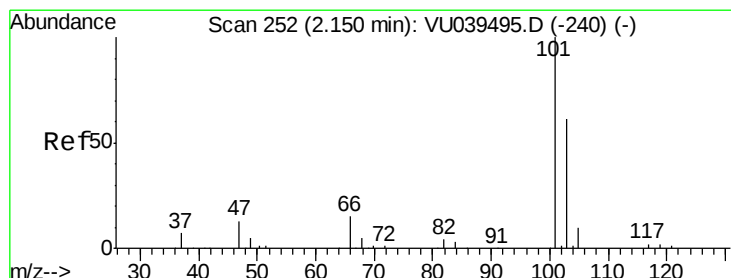
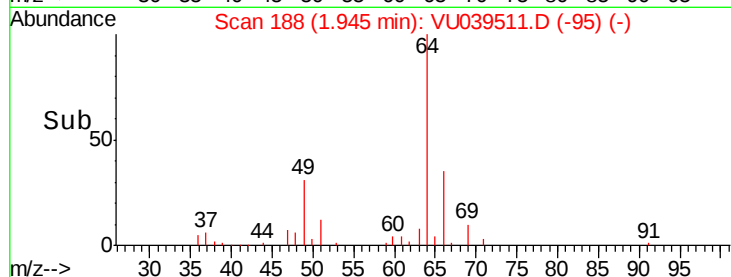
10000

5000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 4.589 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039511.D

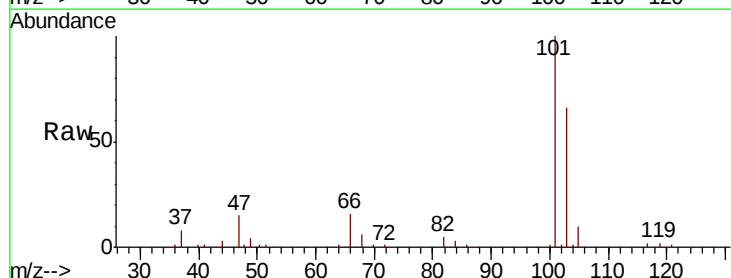
Acq: 15 Jul 2020 19:47

Tgt Ion: 101 Resp: 58154

Ion Ratio Lower Upper

101 100

103 65.3 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039495.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039495.D (-240) (-)

2.15

40000

30000

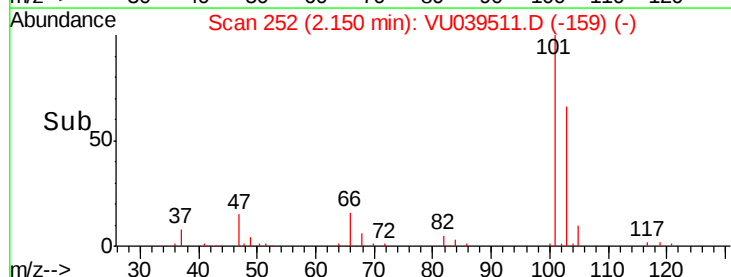
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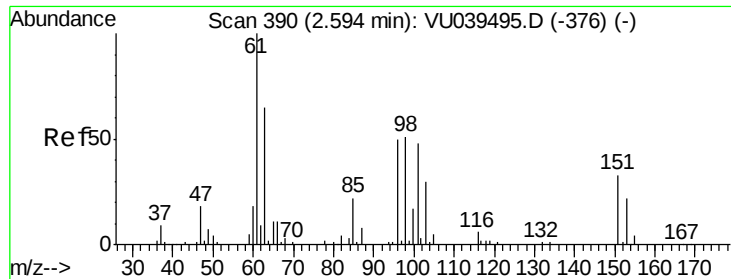
10000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.154 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

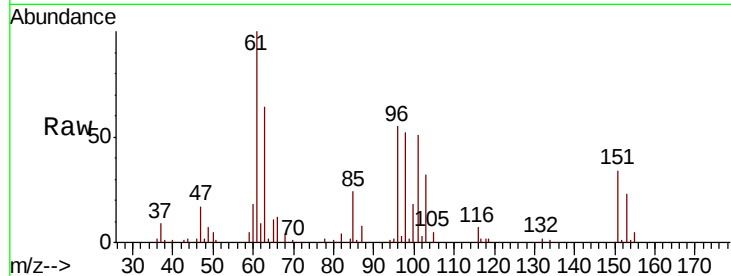
Tot Ion:101 Resp: 26801

Ion Ratio Lower Upper

101 100

85 48.4 38.9 58.3

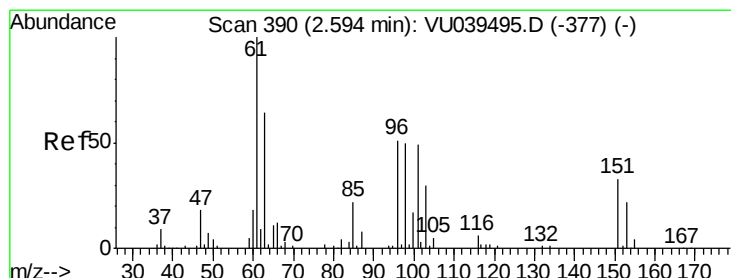
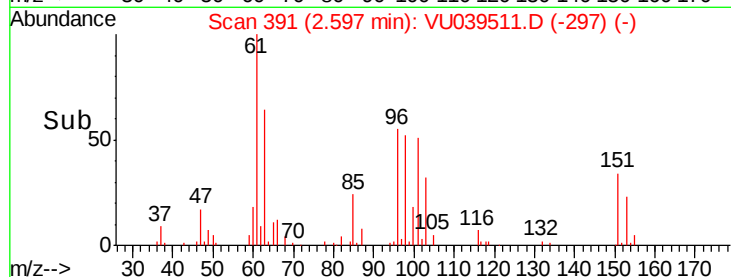
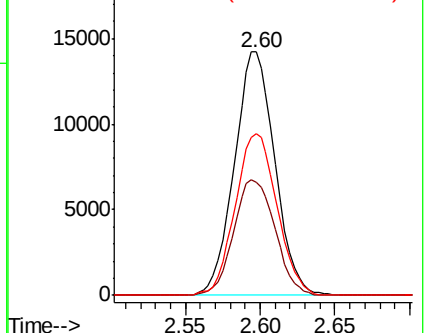
151 68.5 57.0 85.4



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: 4.777 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

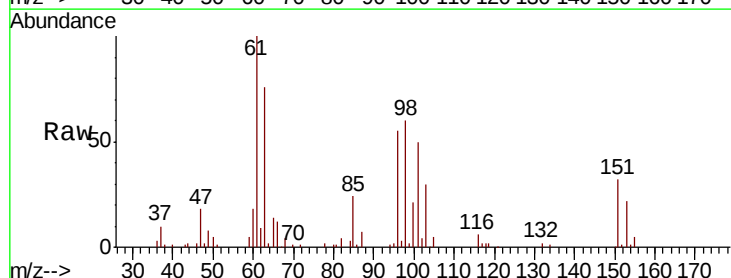
Tgt Ion: 96 Resp: 25427

Ion Ratio Lower Upper

96 100

61 181.8 125.4 232.8

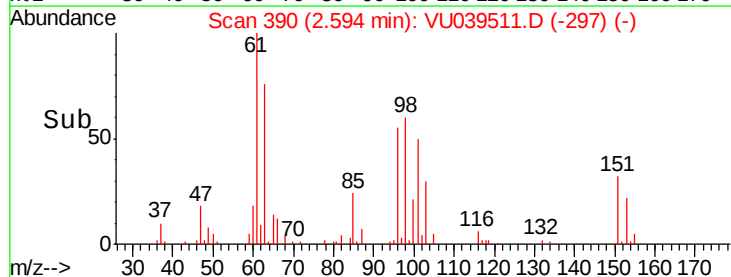
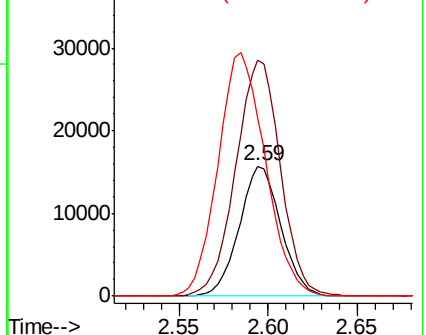
63 137.4 92.7 172.3

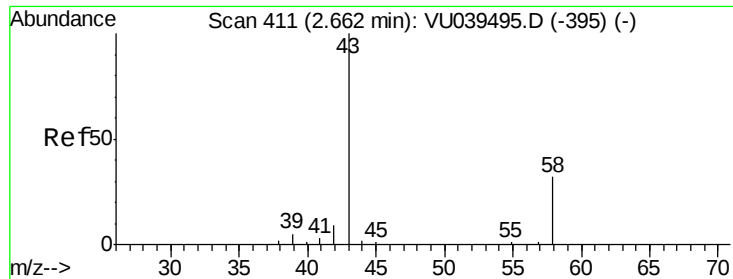


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.274 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.01 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

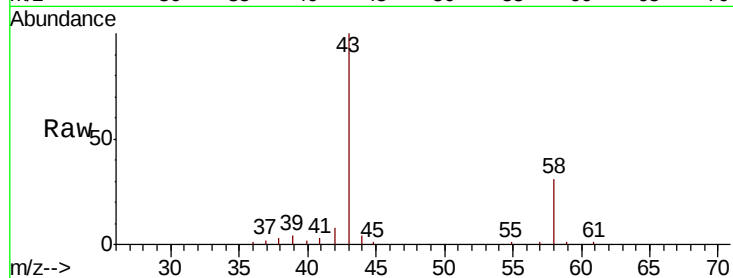
VSTD00522

Tot Ion: 43 Resp: 59284

Ion Ratio Lower Upper

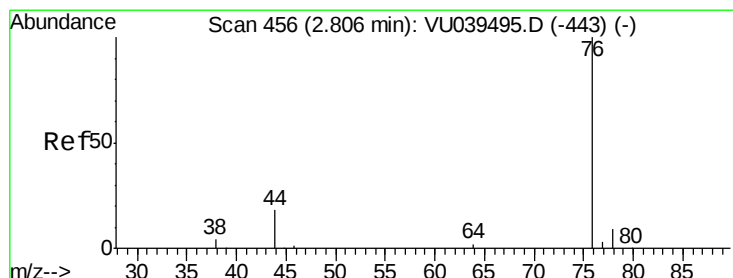
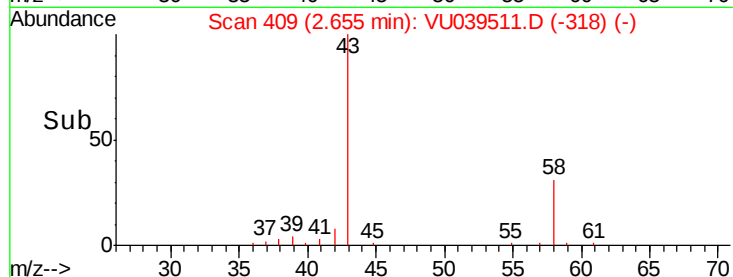
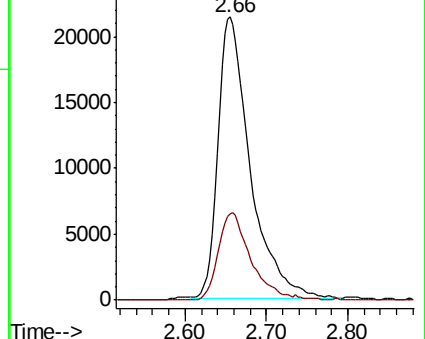
43 100

58 31.1 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039511.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU039511.D (-318) (-)



#14

Carbon disulfide

Concen: 4.167 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039511.D

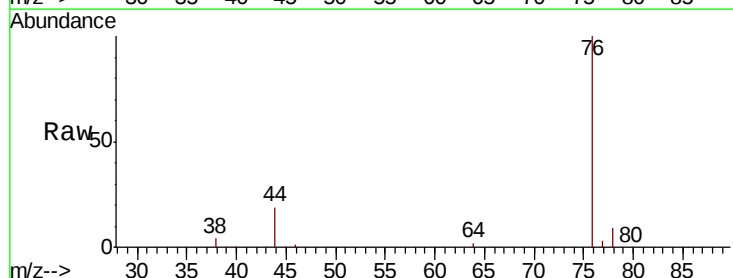
Acq: 15 Jul 2020 19:47

Tgt Ion: 76 Resp: 78143

Ion Ratio Lower Upper

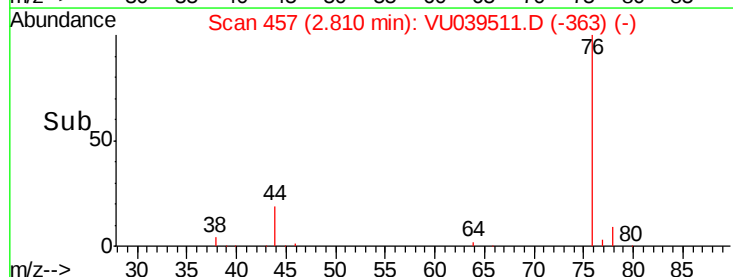
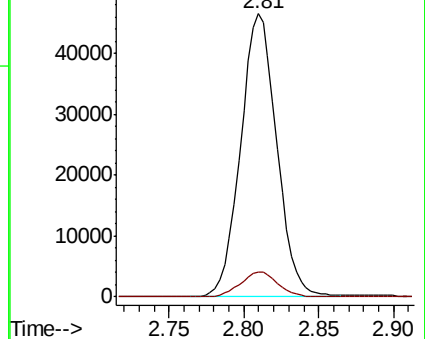
76 100

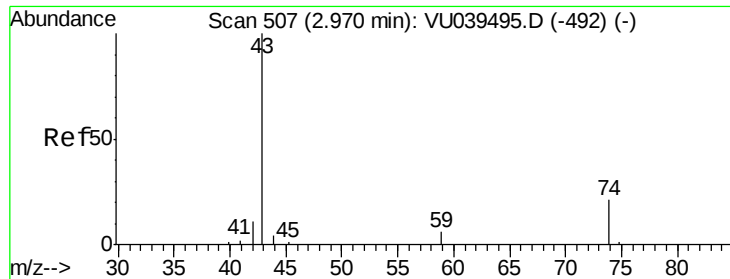
78 9.0 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039511.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039511.D (-363) (-)

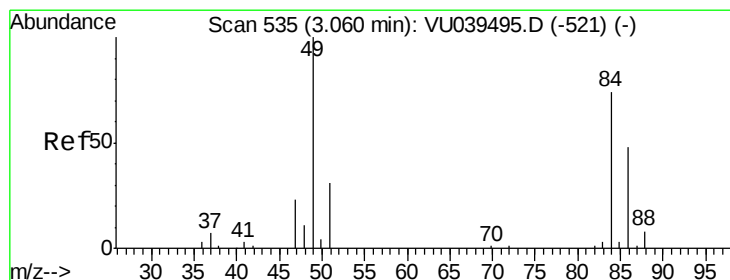
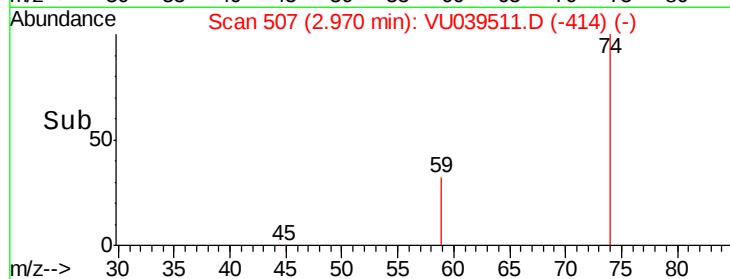
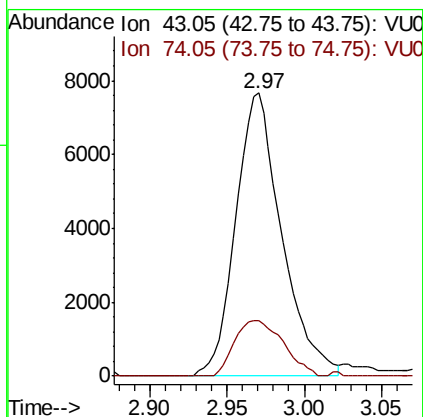
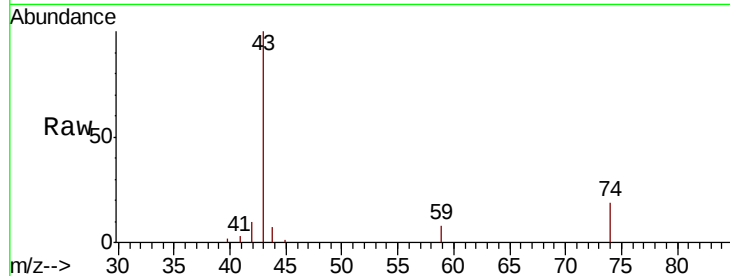




#15
Methvl Acetate
Concen: 4.684 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

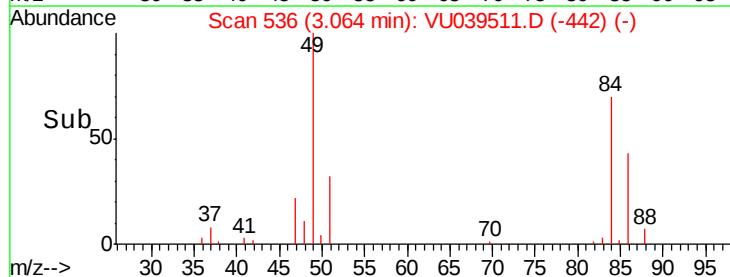
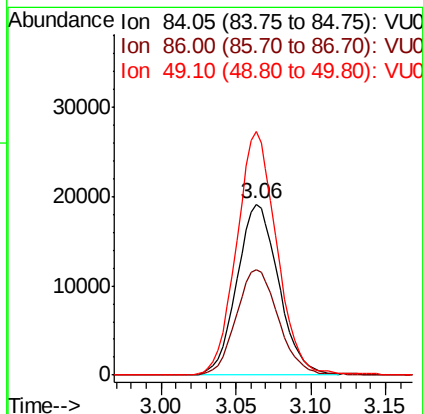
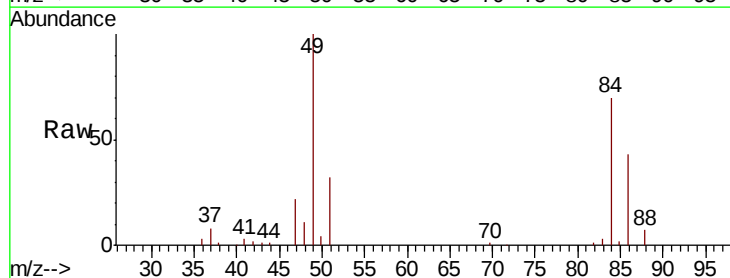
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

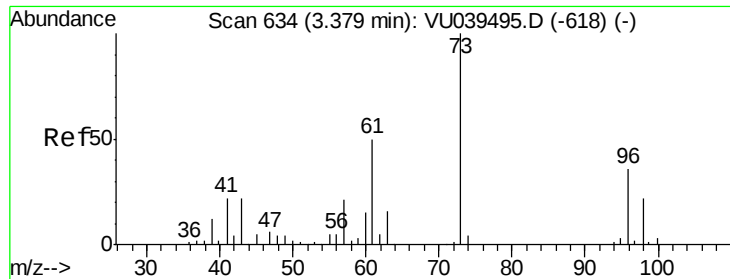
Tot Ion: 43 Resp: 15851
Ion Ratio Lower Upper
43 100
74 20.7 18.7 28.1



#16
Methylene chloride
Concen: 5.542 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Tgt Ion: 84 Resp: 37106
Ion Ratio Lower Upper
84 100
86 61.6 43.5 80.9
49 142.2 91.1 169.1

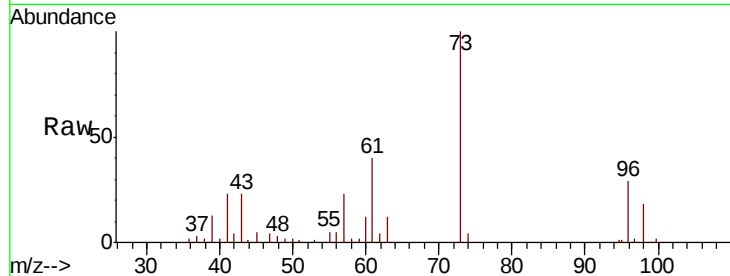




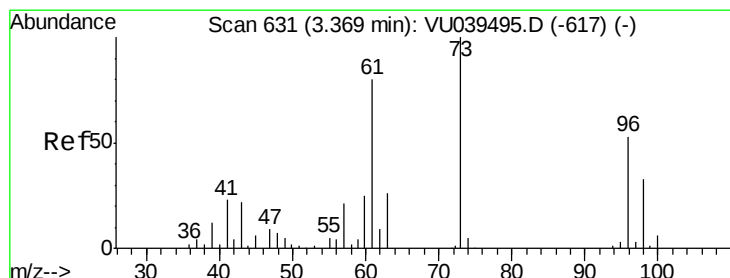
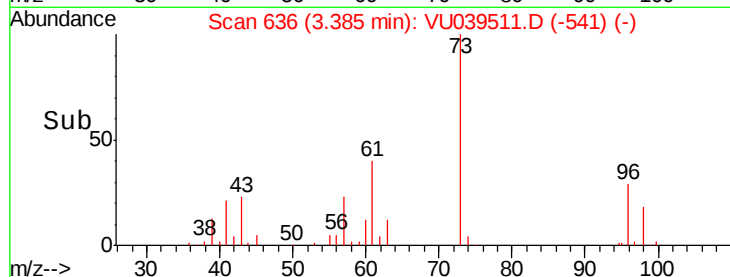
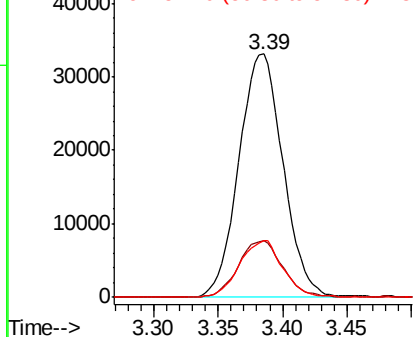
#17
Methvl tert-butvl Ether
Concen: 4.698 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 73 Resp: 78803
Ion Ratio Lower Upper
73 100
43 23.5 18.6 28.0
57 23.0 17.9 26.9

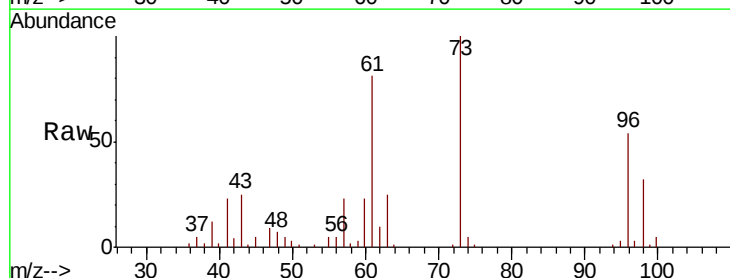


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

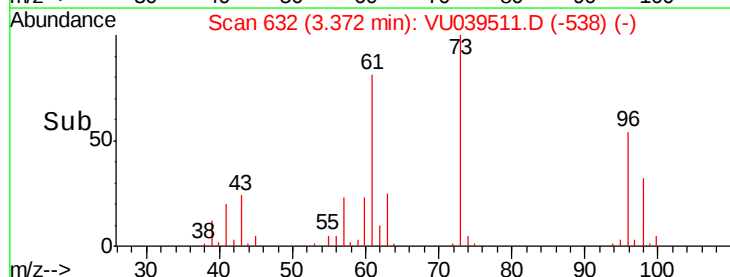
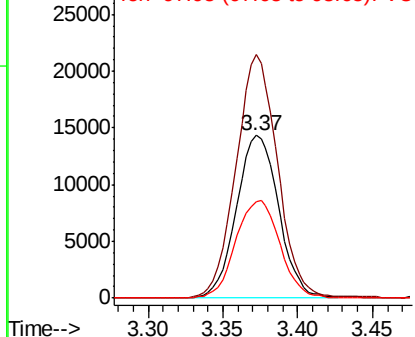


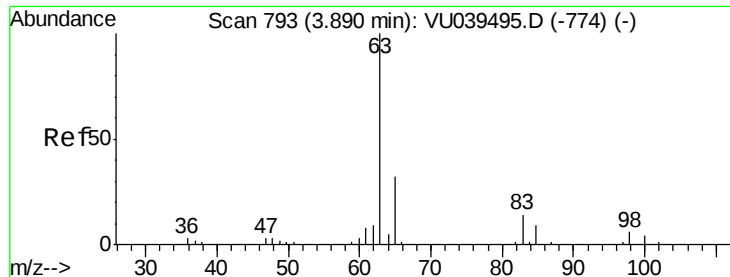
#18
trans-1,2-Dichloroethene
Concen: 4.787 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Tgt Ion: 96 Resp: 28208
Ion Ratio Lower Upper
96 100
61 150.0 102.1 189.5
98 59.1 42.5 78.9



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

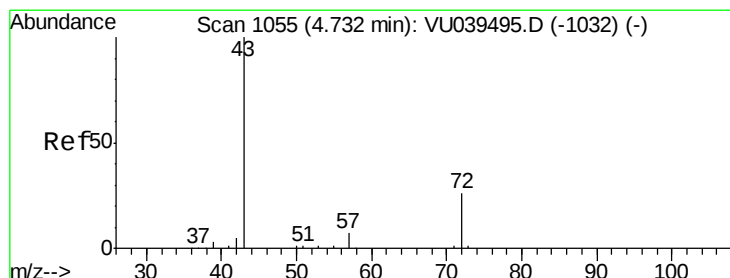
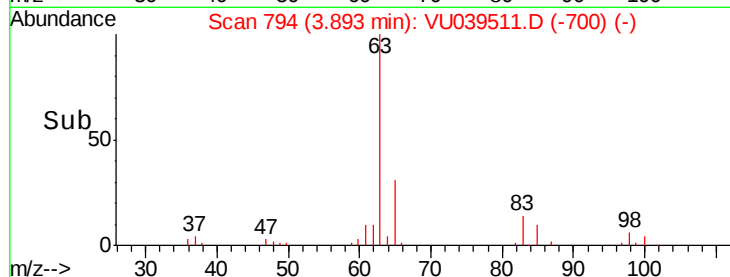
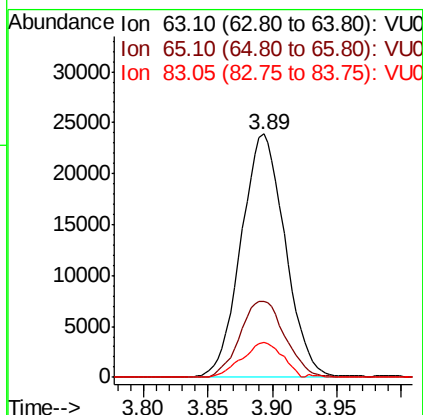
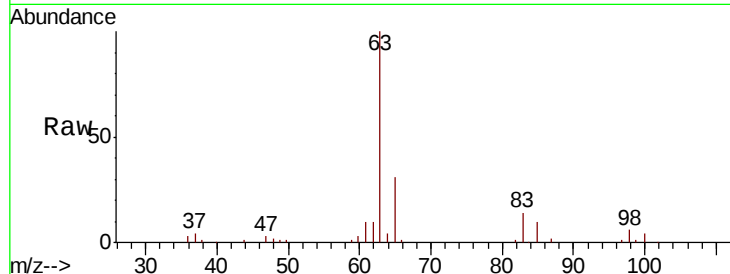




#19
 1,1-Dichloroethane
 Concen: 4.925 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

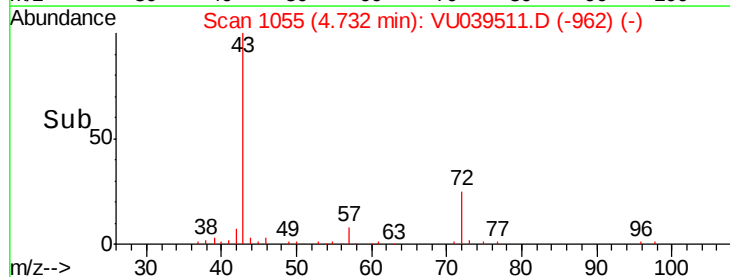
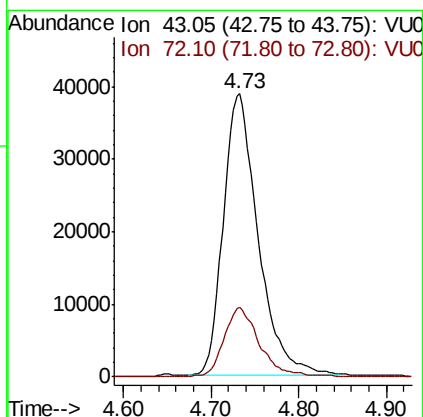
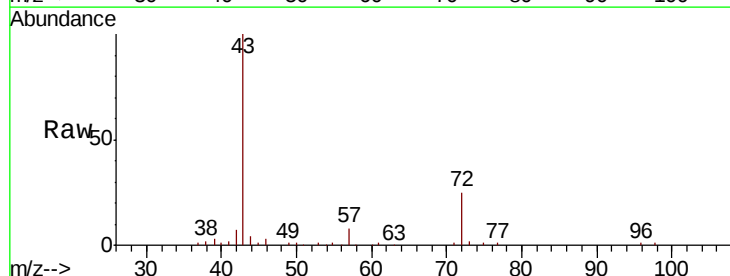
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

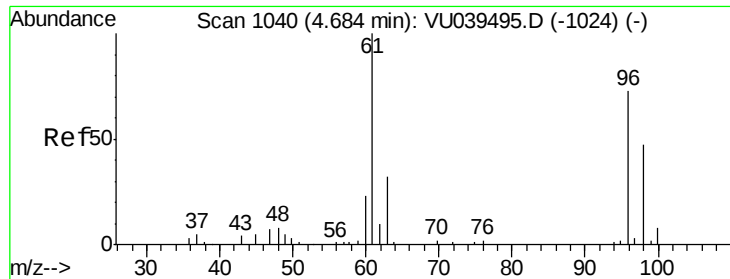
Tot Ion: 63 Resp: 56787
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.0 42.6
 83 14.3 9.6 17.8



#21
 2-Butanone
 Concen: 46.723 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion: 43 Resp: 106839
 Ion Ratio Lower Upper
 43 100
 72 25.1 13.2 39.5





#22

cis-1,2-Dichloroethene

Concen: 4.882 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

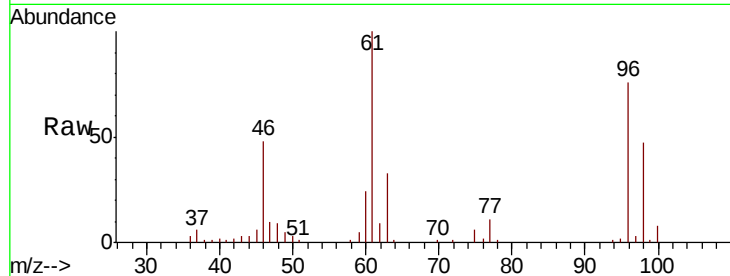
Tot Ion: 96 Resp: 32256

Ion Ratio Lower Upper

96 100

61 131.8 92.8 172.4

68 0.0 0.0 0.0

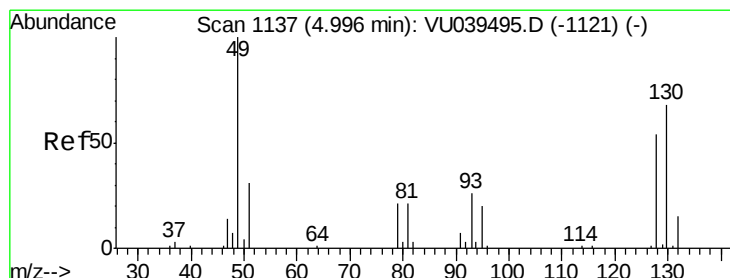
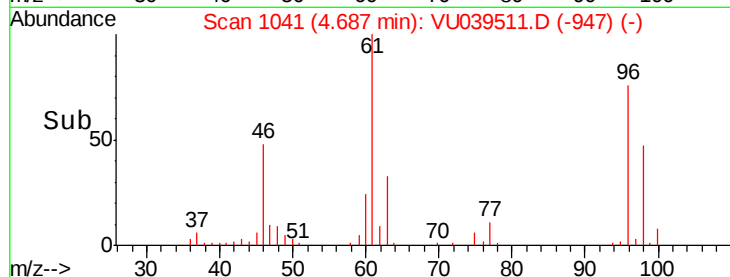
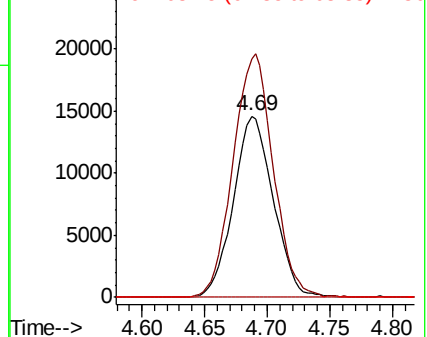


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.765 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Tgt Ion:128 Resp: 14304

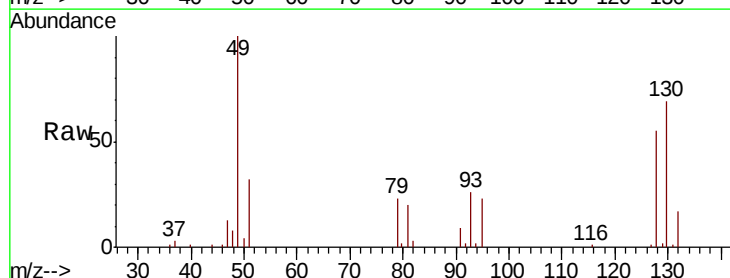
Ion Ratio Lower Upper

128 100

49 182.6 128.5 238.7

130 126.1 91.5 169.9

51 57.9 47.0 70.6



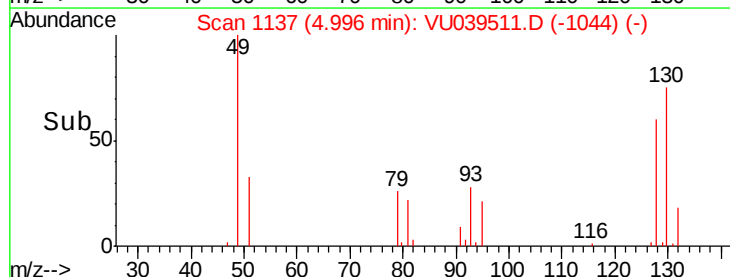
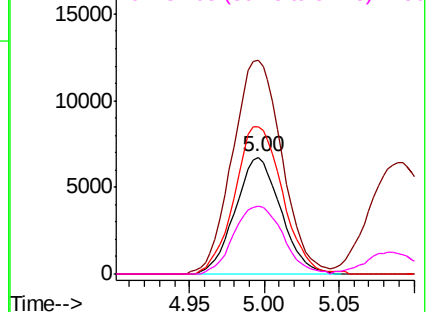
Abundance

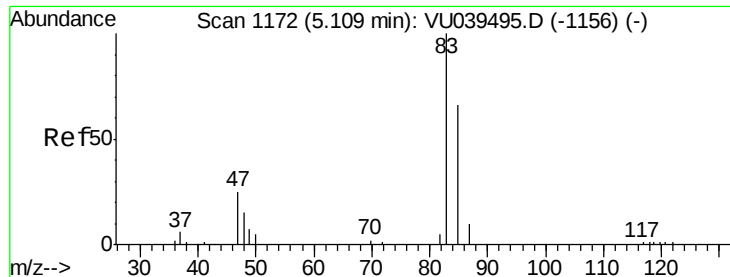
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

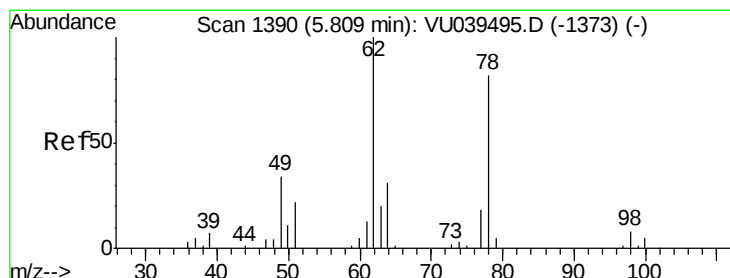
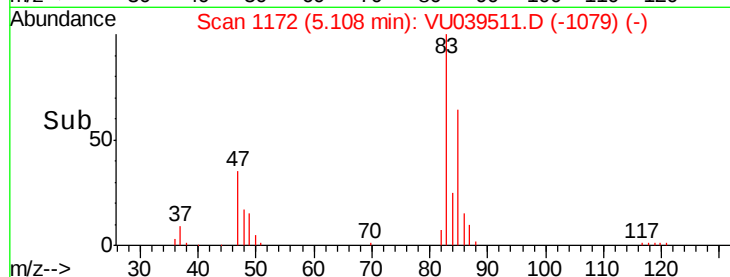
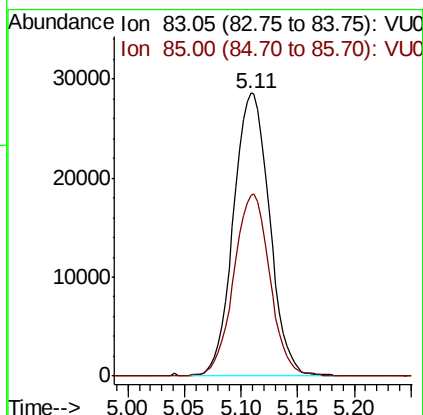
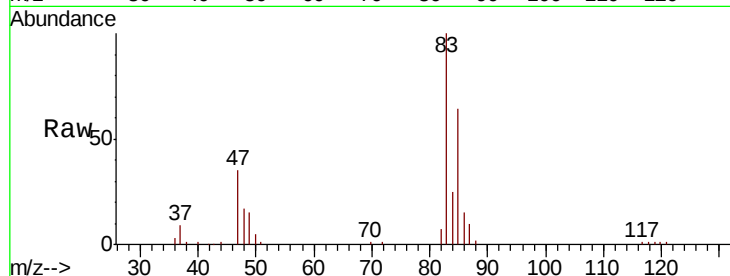




#25
Chloroform
Concen: 5.453 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

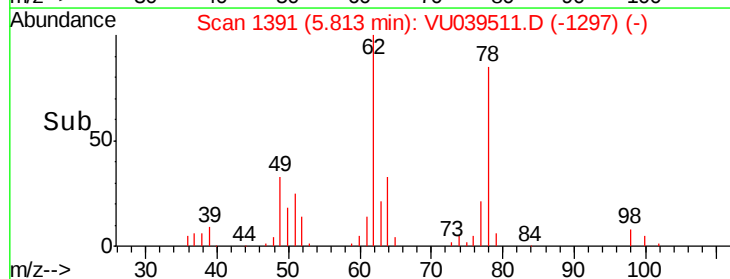
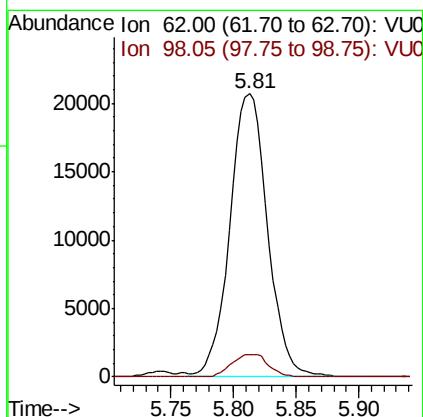
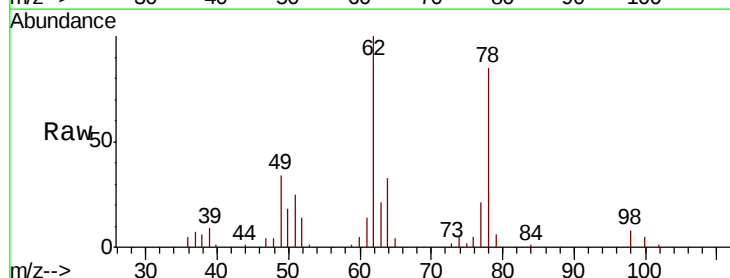
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

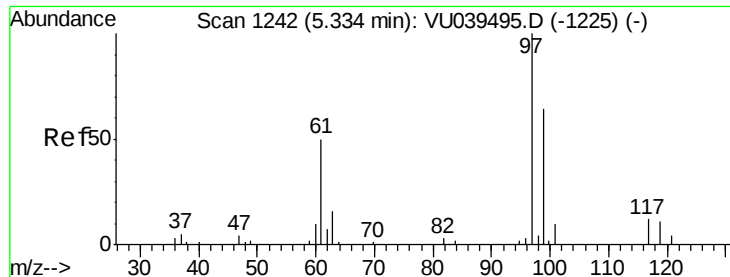
Tot Ion: 83 Resp: 63487
Ion Ratio Lower Upper
83 100
85 63.8 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.141 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Tgt Ion: 62 Resp: 43302
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

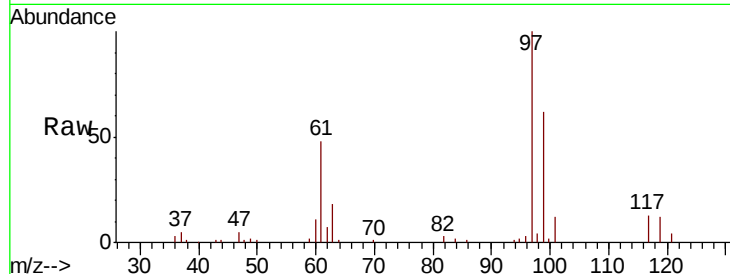




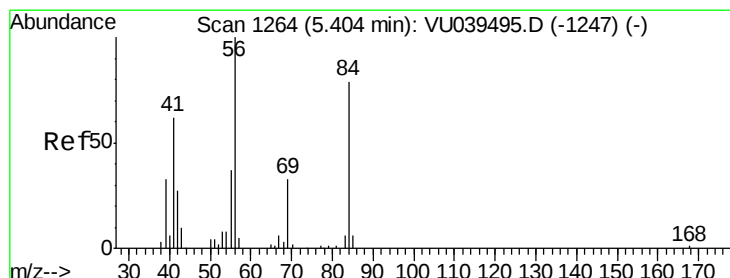
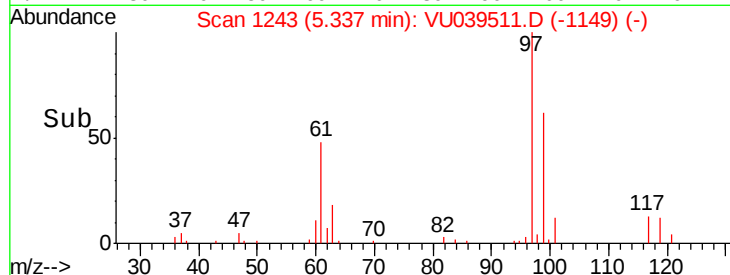
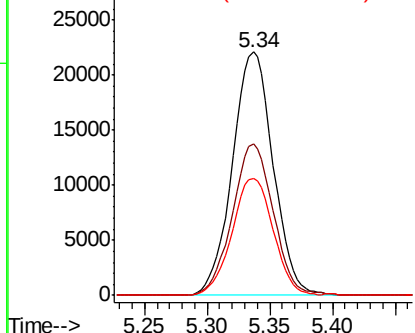
#29
 1,1,1-Trichloroethane
 Concen: 4.658 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 97 Resp: 49955
 Ion Ratio Lower Upper
 97 100
 99 62.3 52.6 79.0
 61 48.5 37.9 56.9

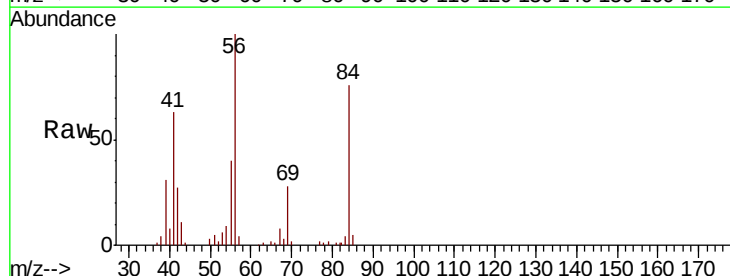


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

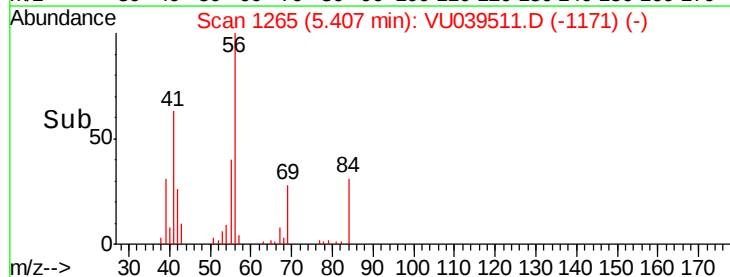
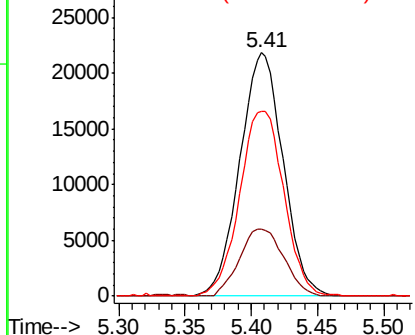


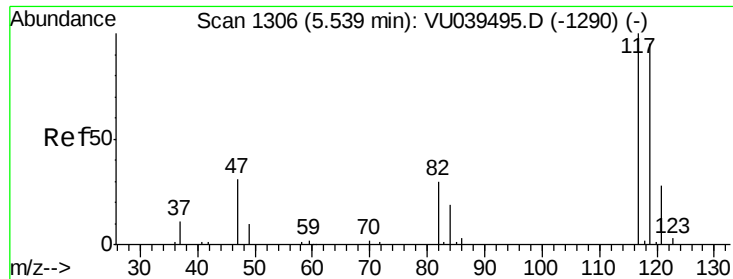
#30
 Cyclohexane
 Concen: 4.390 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion: 56 Resp: 49570
 Ion Ratio Lower Upper
 56 100
 69 28.2 24.1 36.1
 84 77.9 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.484 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

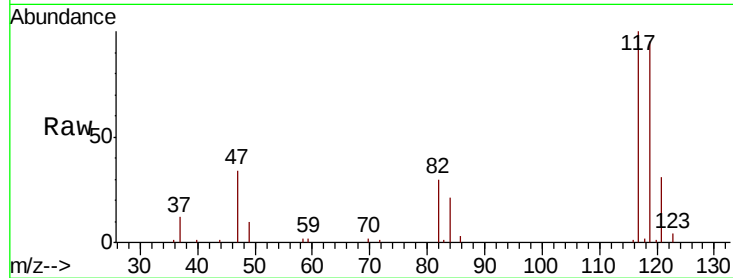
VSTD00522

Tot Ion:117 Resp: 41035

Ion Ratio Lower Upper

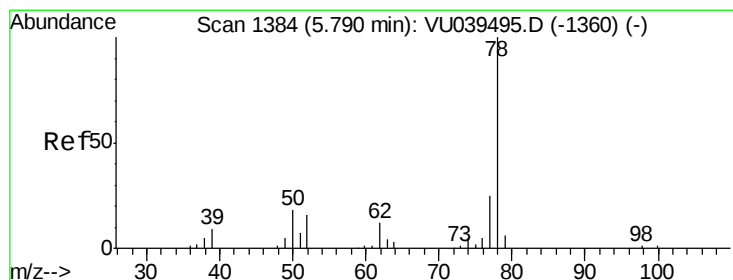
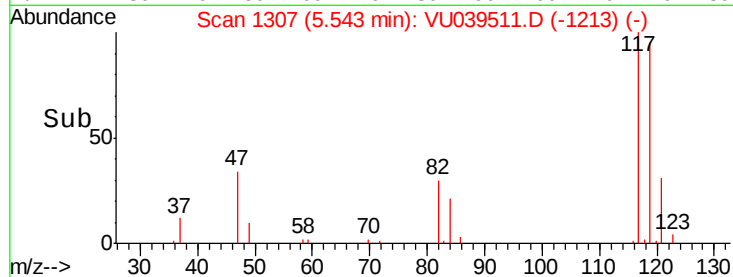
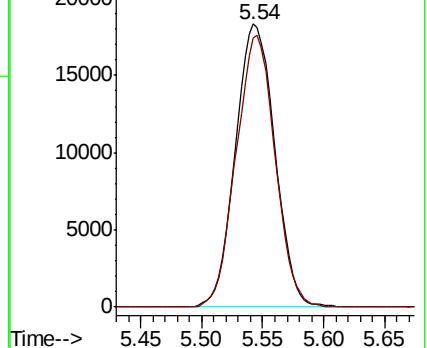
117 100

119 94.7 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.487 ug/L

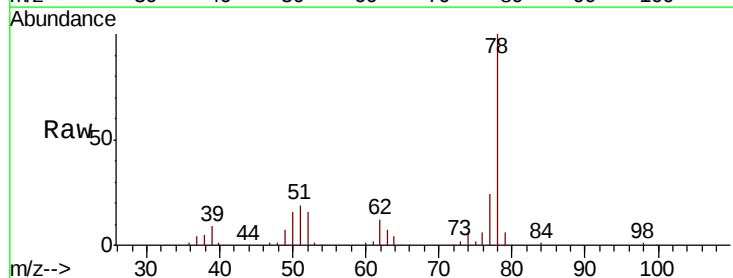
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

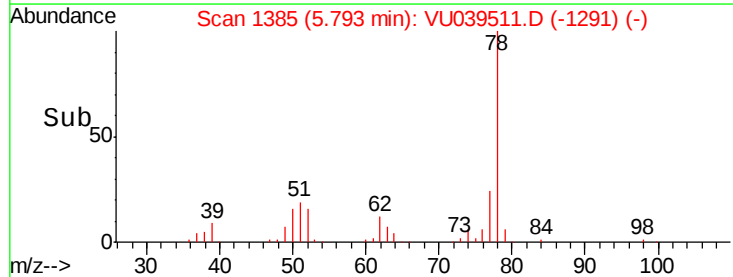
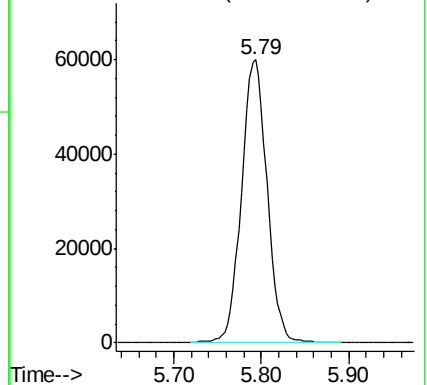
Lab File: VU039511.D

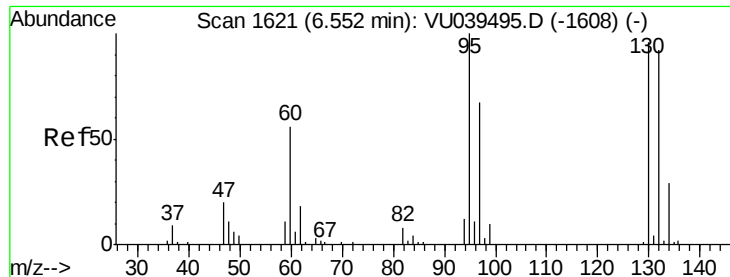
Acq: 15 Jul 2020 19:47

Tgt Ion: 78 Resp: 122171



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.573 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

Tot Ion: 95 Resp: 32187

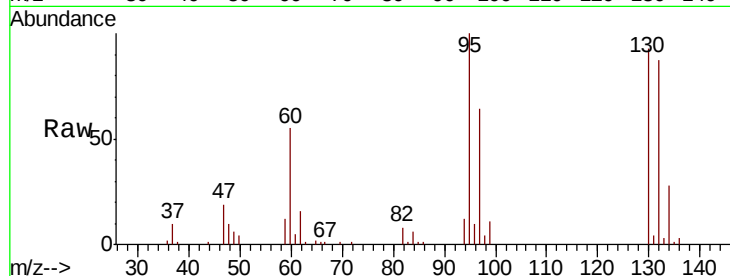
Ion Ratio Lower Upper

95 100

97 63.7 46.3 85.9

132 87.0 64.0 118.8

130 92.8 64.3 119.5



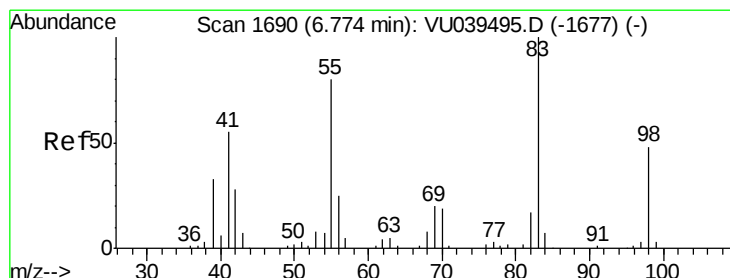
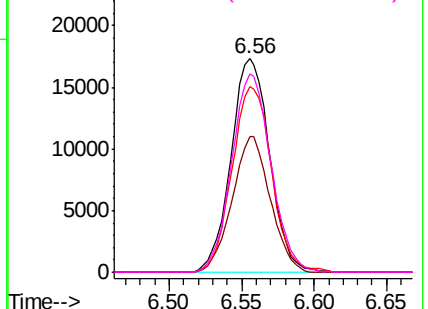
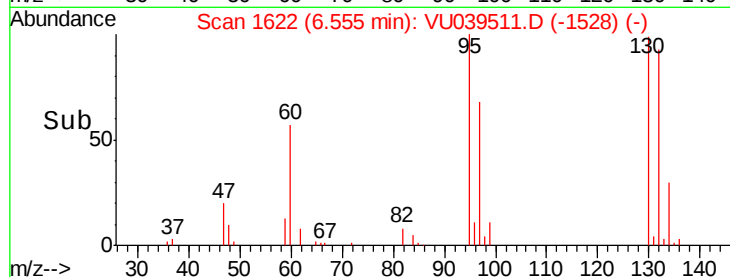
Abundance

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: 4.378 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

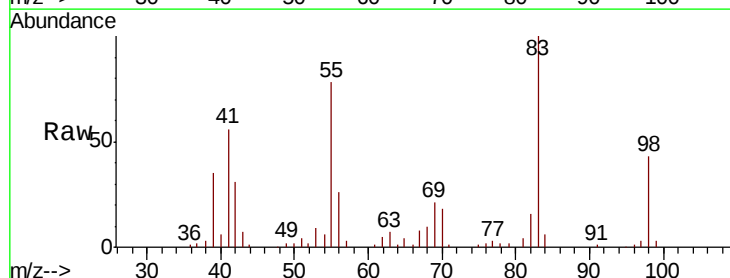
Tgt Ion: 83 Resp: 49368

Ion Ratio Lower Upper

83 100

55 76.6 62.1 93.1

98 45.0 35.9 53.9

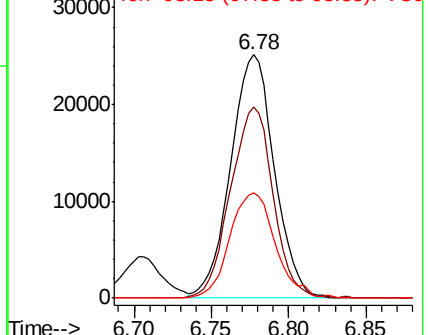
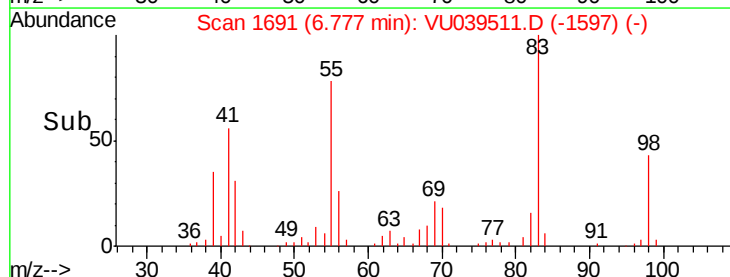


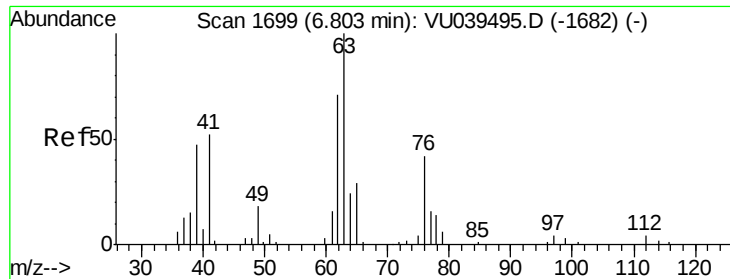
Abundance

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

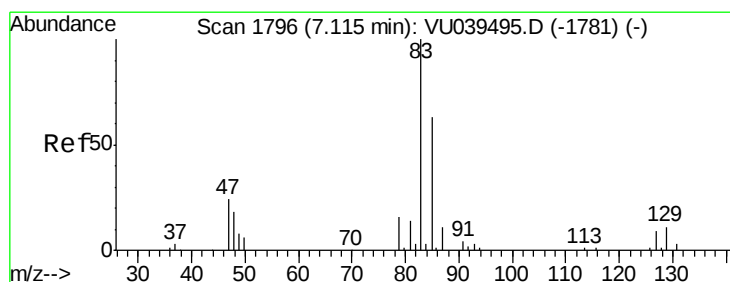
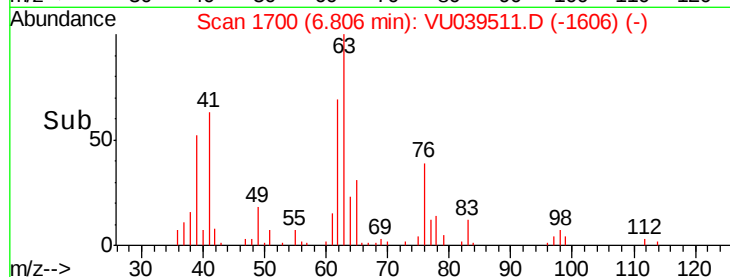
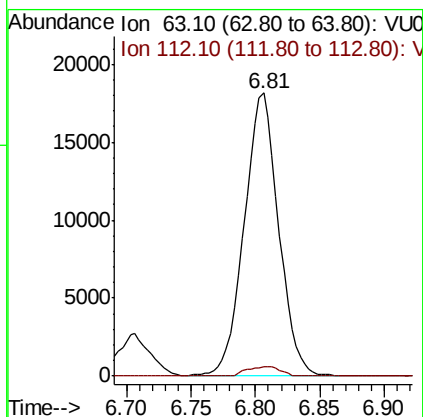
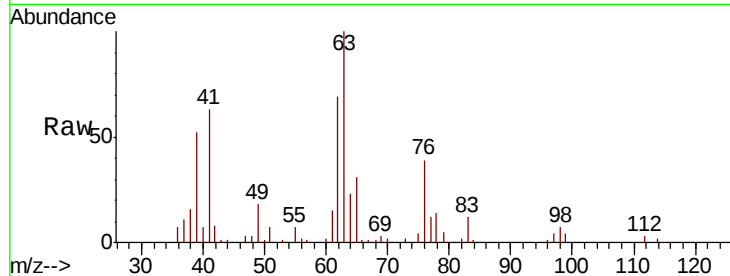




#37
 1,2-Dichloropropane
 Concen: 4.554 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

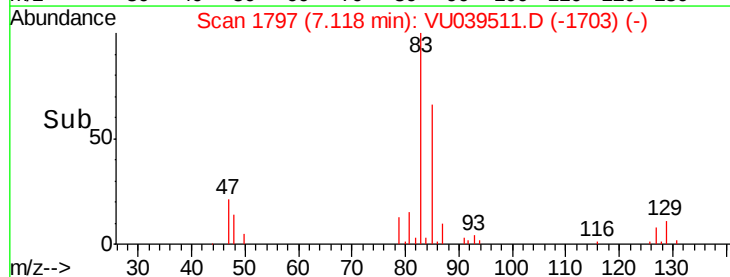
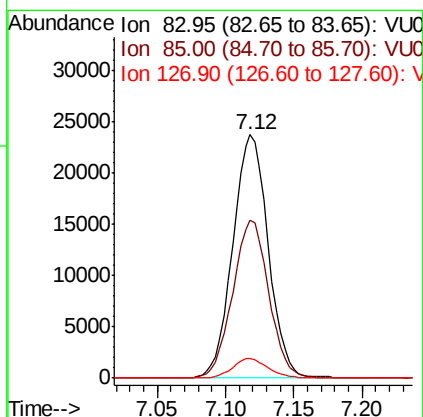
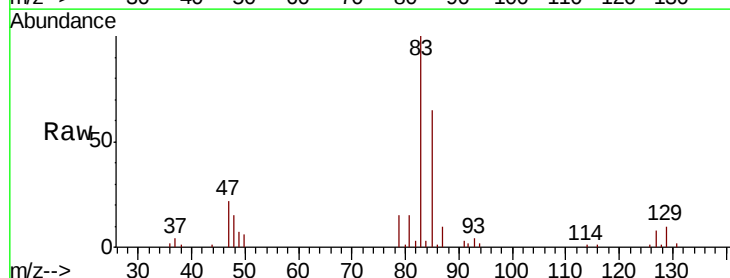
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

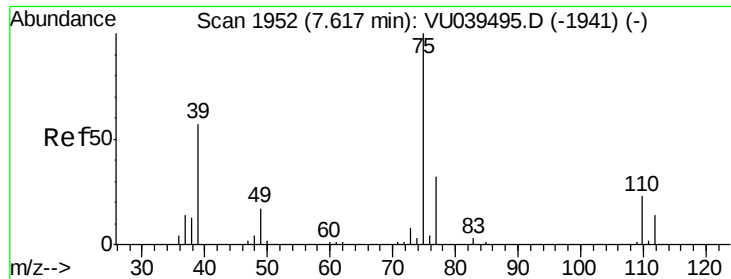
Tot Ion: 63 Resp: 33796
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.504 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion: 83 Resp: 42690
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.0 81.6
 127 8.3 6.2 9.4

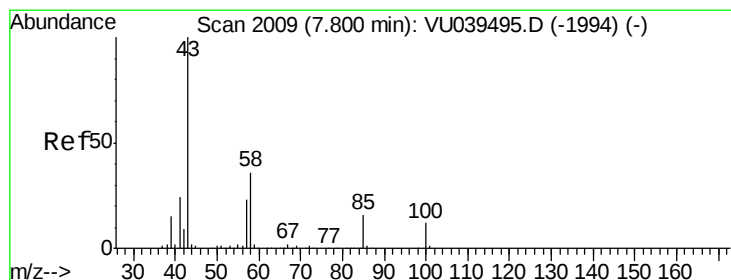
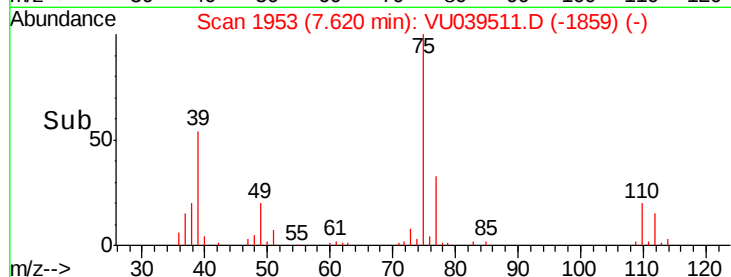
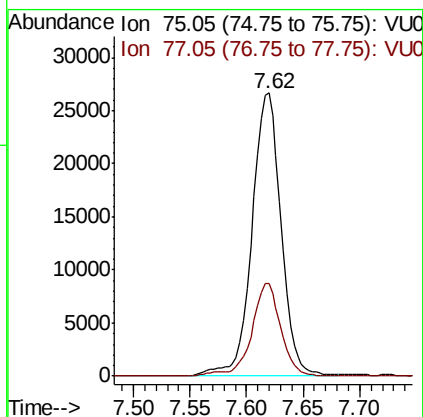
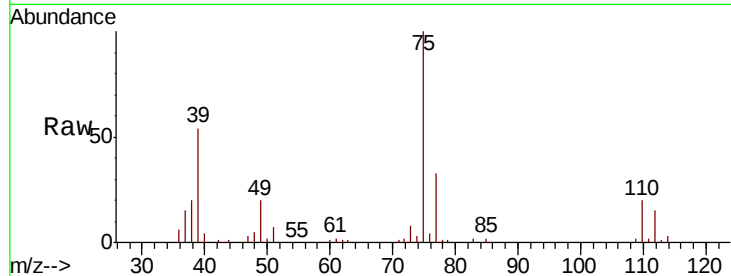




#39
 cis-1,3-Dichloropropene
 Concen: 4.268 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

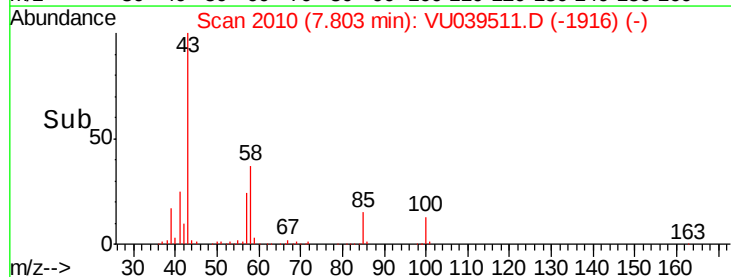
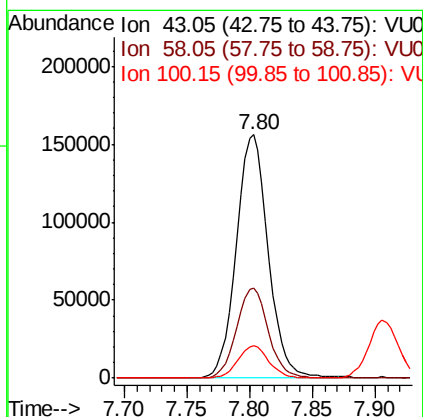
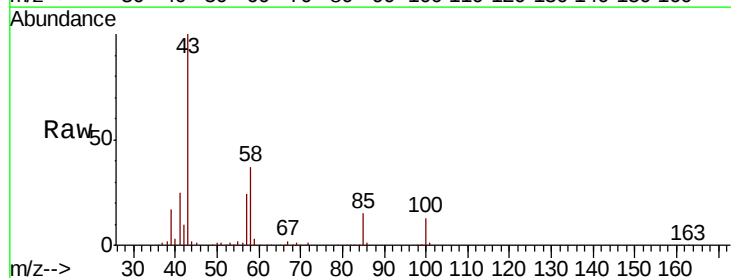
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

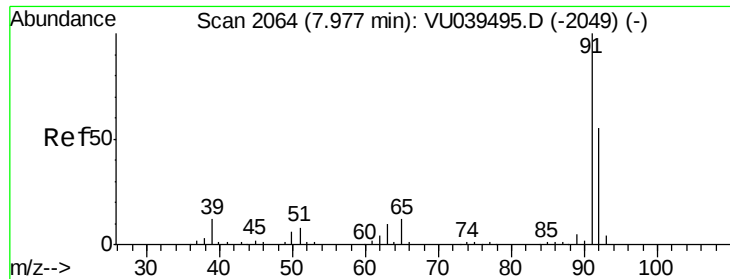
Tot Ion: 75 Resp: 47883
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 44.529 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion: 43 Resp: 275689
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.5 45.7
 100 13.0 10.3 15.5





#42

Toluene

Concen: 4.498 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

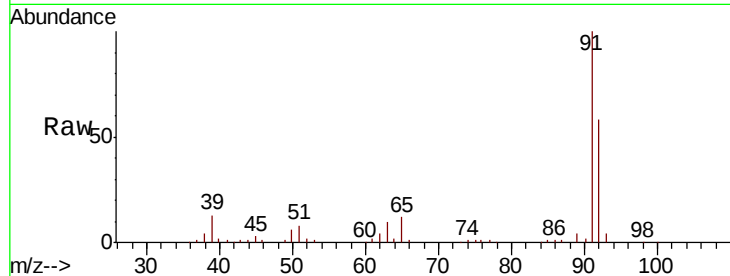
VSTD00522

Tot Ion: 91 Resp: 131119

Ion Ratio Lower Upper

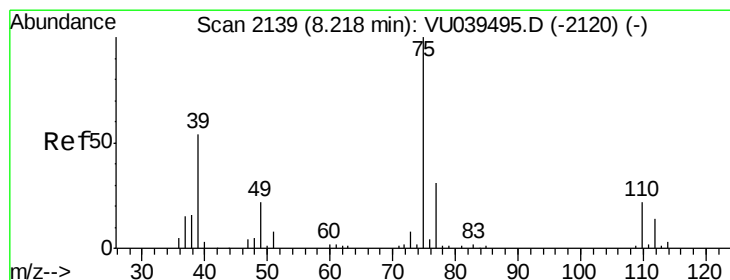
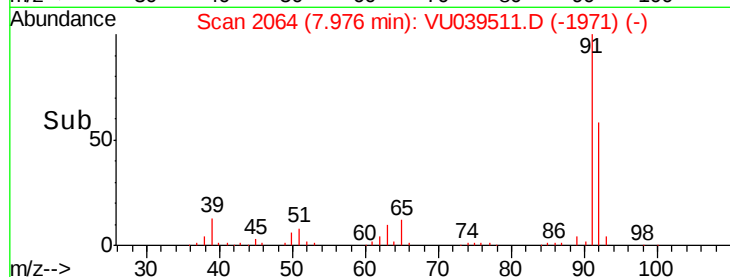
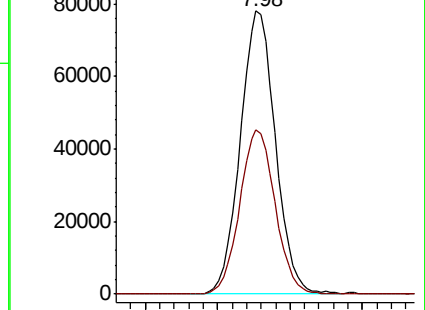
91 100

92 58.0 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039495.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU039495.D (-2049) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.444 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039511.D

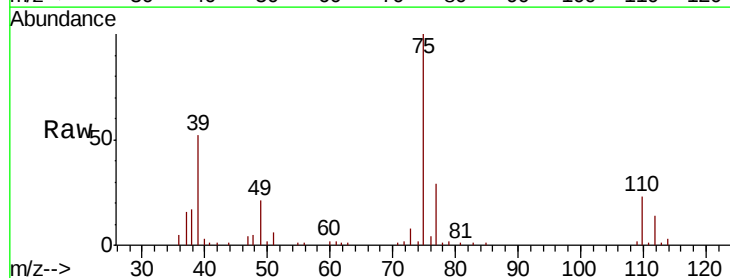
Acq: 15 Jul 2020 19:47

Tgt Ion: 75 Resp: 44237

Ion Ratio Lower Upper

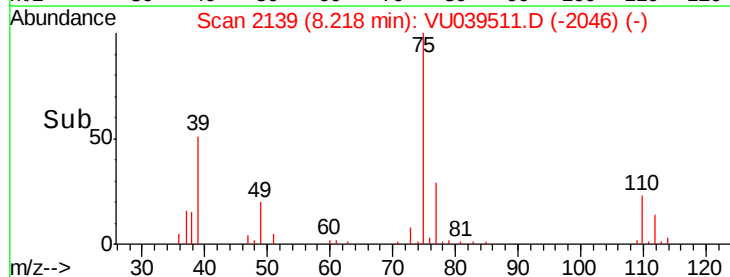
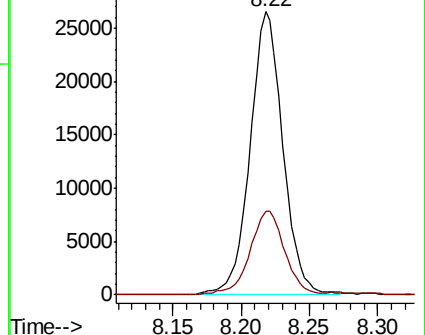
75 100

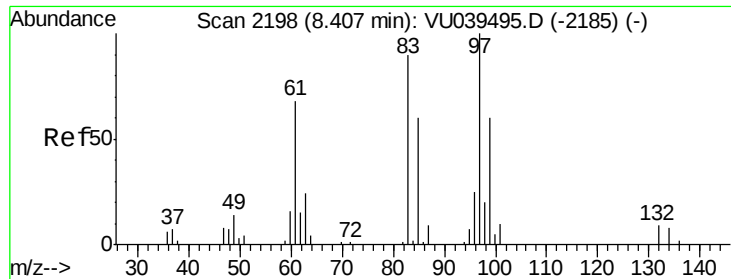
77 29.4 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039495.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039495.D (-2120) (-)

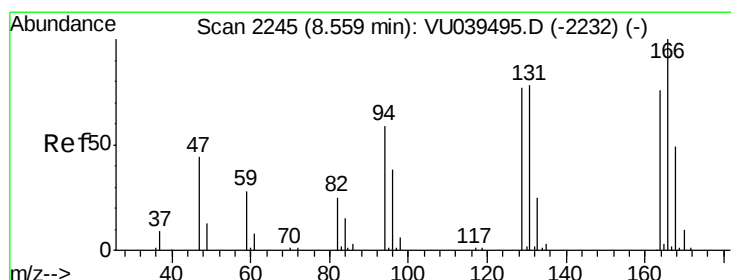
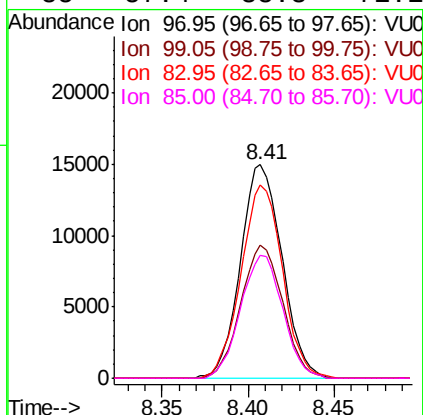
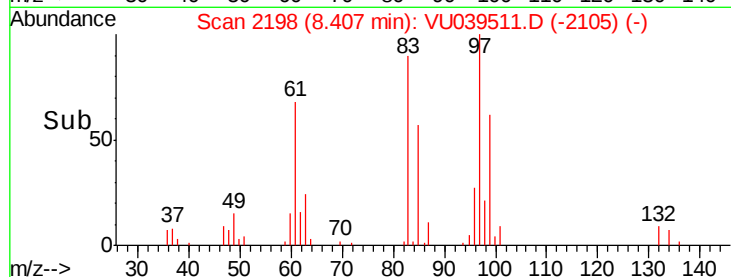
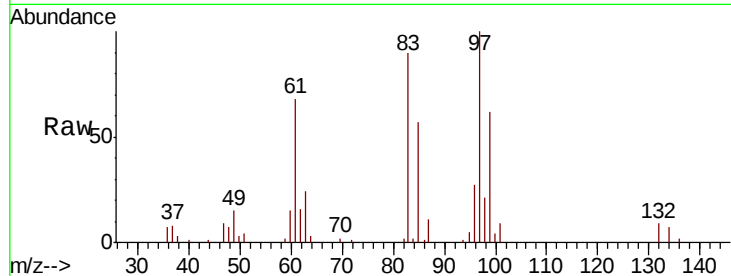




#45
 1,1,2-Trichloroethane
 Concen: 4.720 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

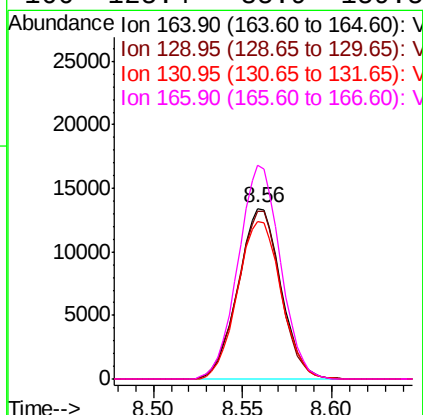
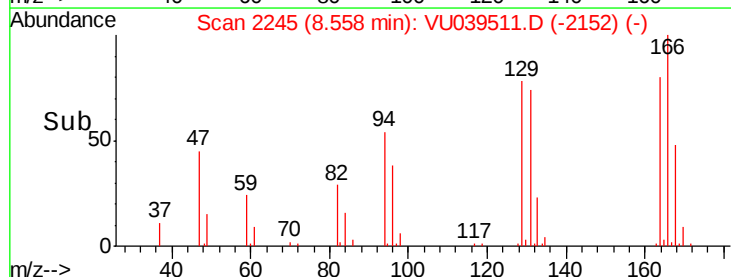
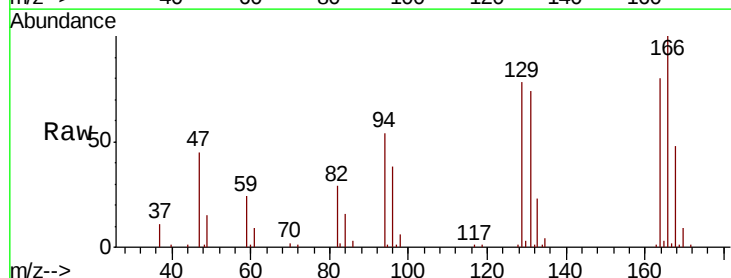
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

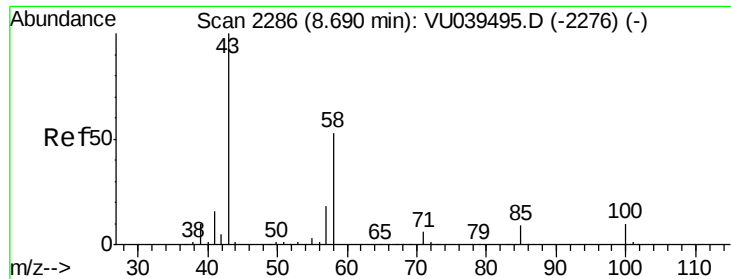
Tot Ion:	97	Resp:	25160
Ion	Ratio	Lower	Upper
97	100		
99	62.1	40.7	75.7
83	90.4	60.6	112.6
85	57.4	38.3	71.1



#47
 Tetrachloroethene
 Concen: 4.587 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion:	164	Resp:	22457
Ion	Ratio	Lower	Upper
164	100		
129	98.2	68.6	127.4
131	92.6	66.4	123.4
166	125.4	85.9	159.5

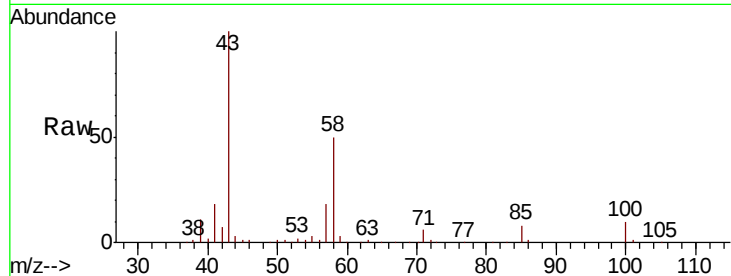




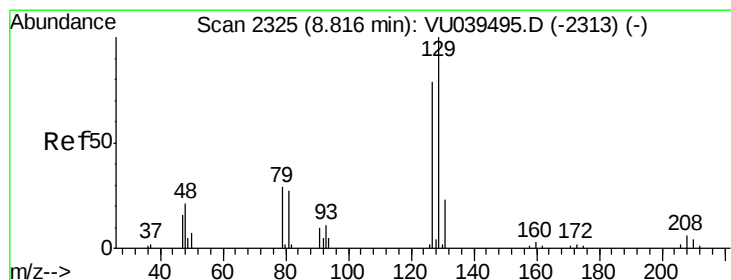
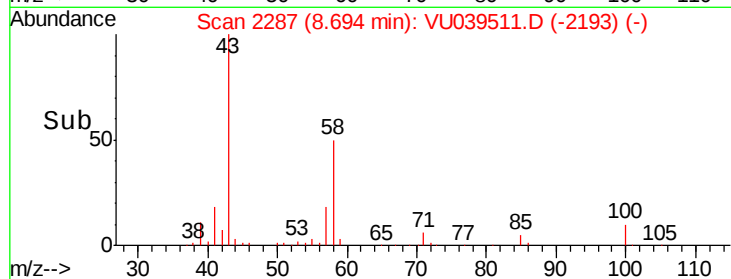
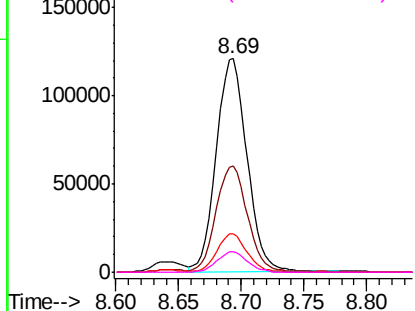
#48
2-Hexanone
Concen: 45.159 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:	43	Resp:	206153
Ion	Ratio	Lower	Upper
43	100		
58	50.6	42.0	63.0
57	17.7	14.0	21.0
100	9.5	8.2	12.2

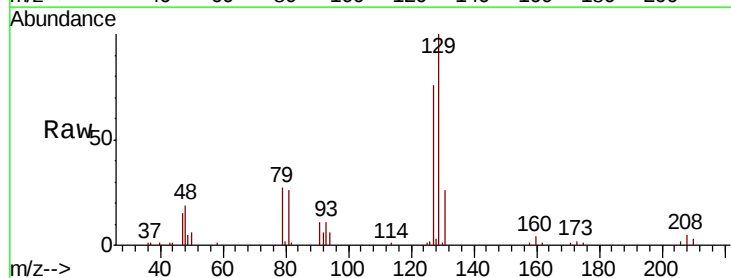


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

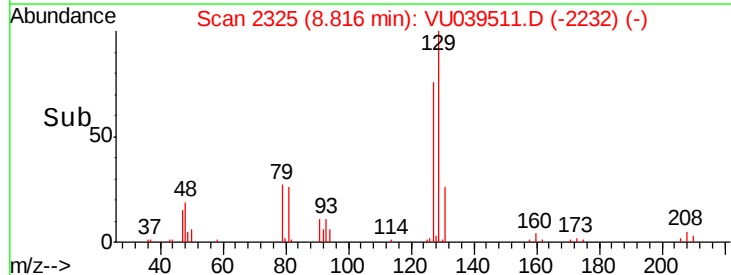
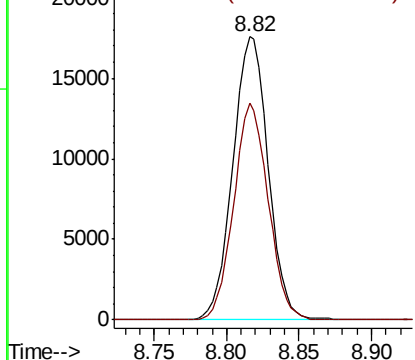


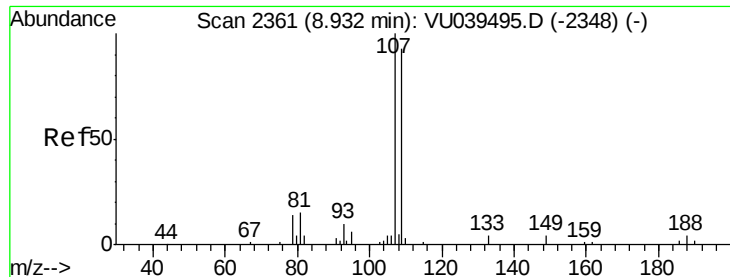
#49
Dibromochloromethane
Concen: 4.609 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Tgt Ion:	129	Resp:	29762
Ion	Ratio	Lower	Upper
129	100		
127	76.4	55.4	102.8



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

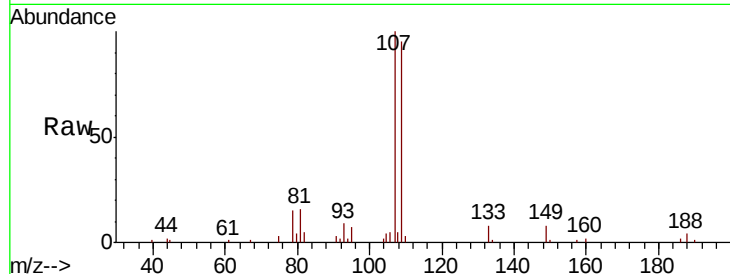




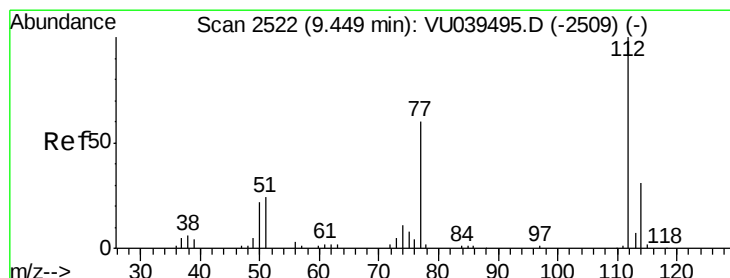
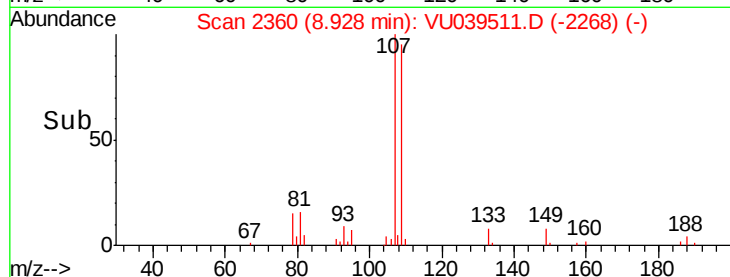
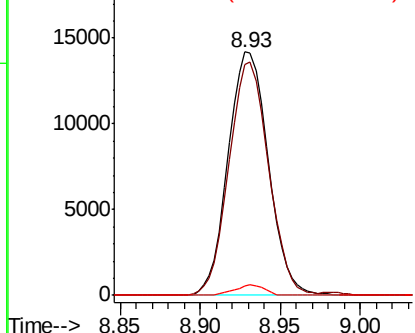
#50
 1,2-Dibromoethane
 Concen: 4.493 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:107 Resp: 24334
 Ion Ratio Lower Upper
 107 100
 109 94.9 64.0 118.8
 188 3.8 2.6 3.8

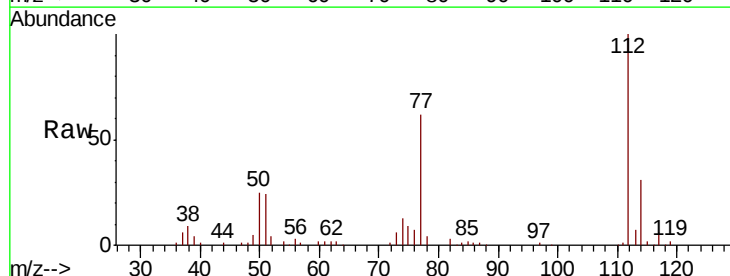


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

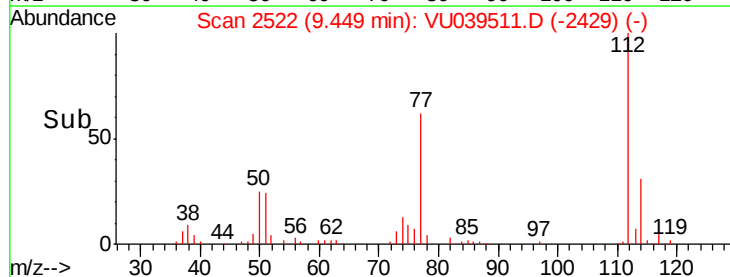
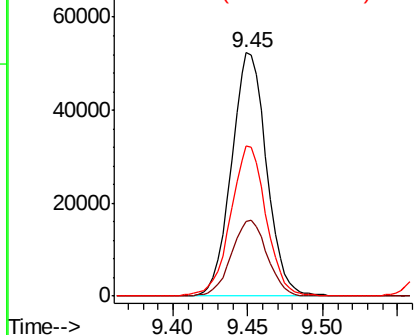


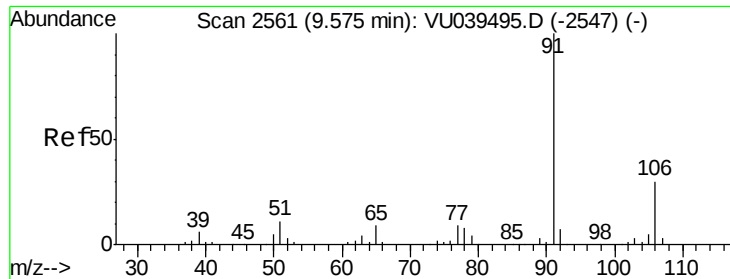
#51
 Chlorobenzene
 Concen: 4.788 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion:112 Resp: 85297
 Ion Ratio Lower Upper
 112 100
 114 30.8 22.1 41.1
 77 61.8 49.9 74.9



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





#52

Ethylbenzene

Concen: 4.629 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

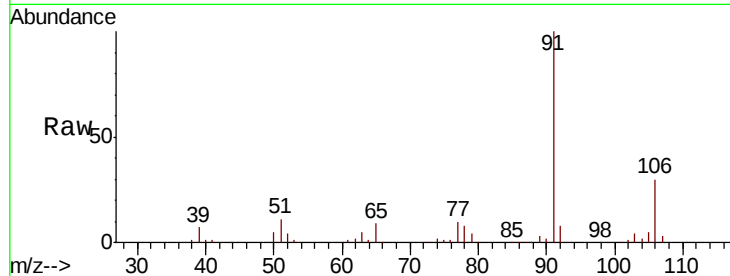
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 91 Resp: 149135

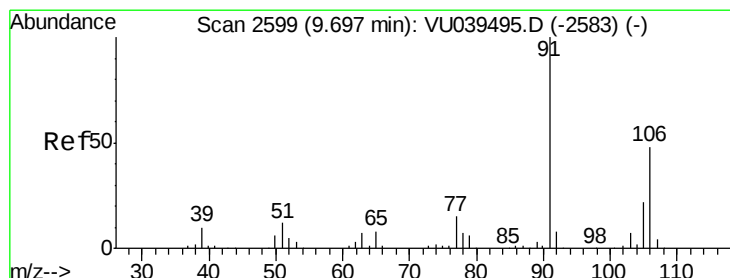
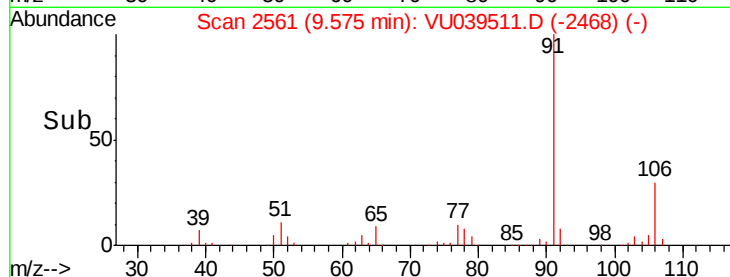
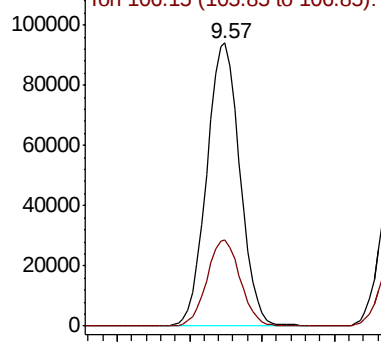
Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039495.D (-2547) (-)



#53

m,p-Xylene

Concen: 4.560 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039511.D

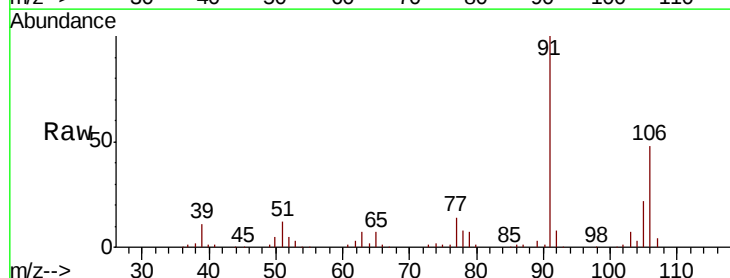
Acq: 15 Jul 2020 19:47

Tgt Ion: 106 Resp: 55357

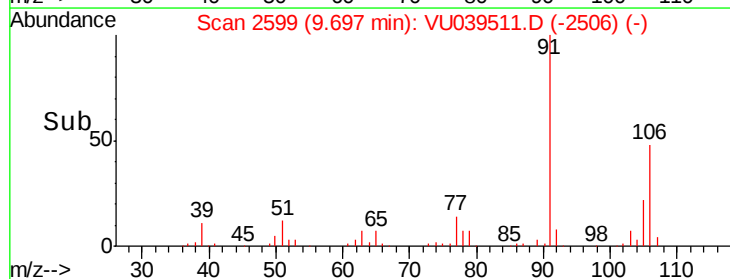
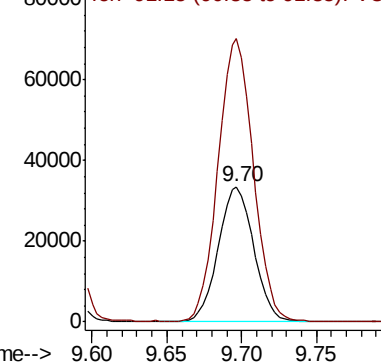
Ion Ratio Lower Upper

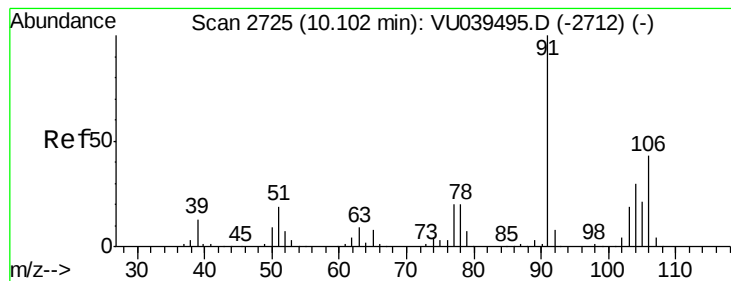
106 100

91 209.4 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039495.D (-2583) (-)





#54

o-Xylene

Concen: 4.754 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

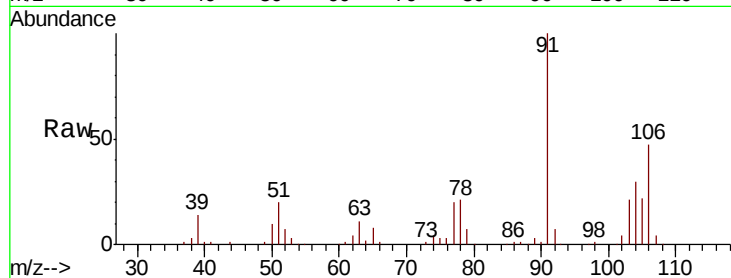
VSTD00522

Tot Ion:106 Resp: 56180

Ion Ratio Lower Upper

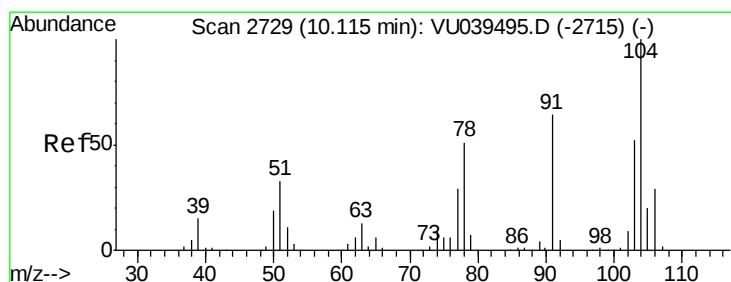
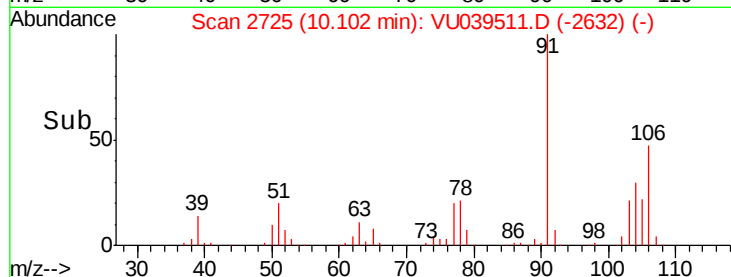
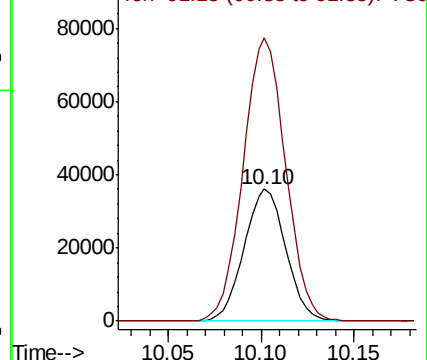
106 100

91 214.3 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 4.506 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039511.D

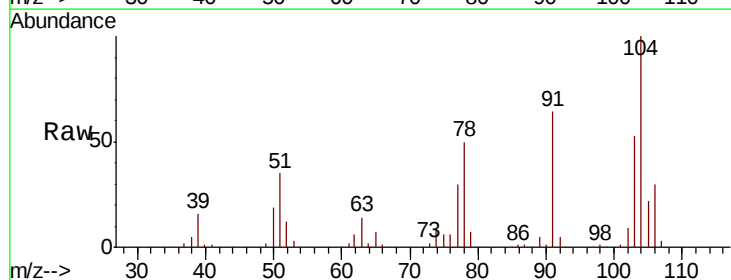
Acq: 15 Jul 2020 19:47

Tgt Ion:104 Resp: 92658

Ion Ratio Lower Upper

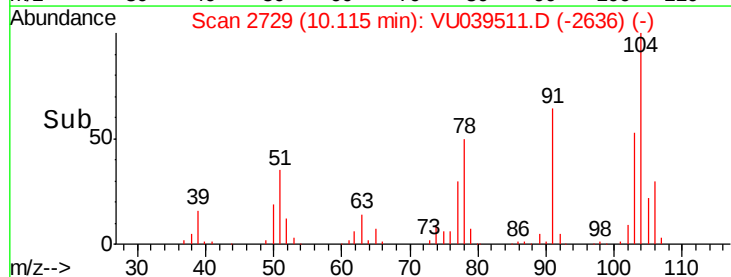
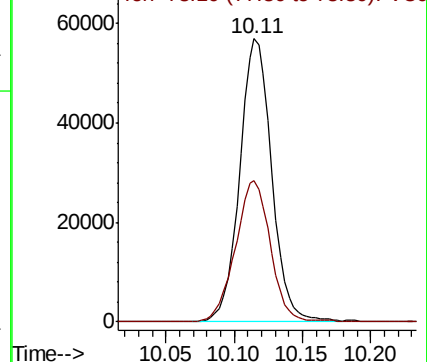
104 100

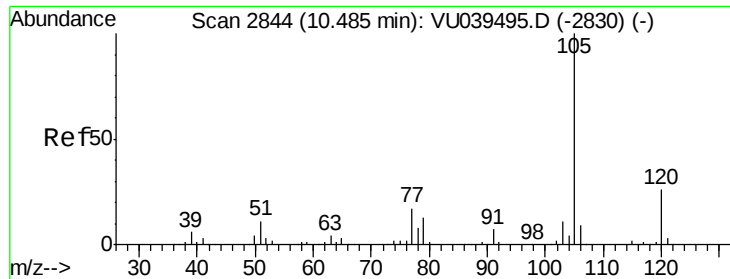
78 50.1 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.663 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

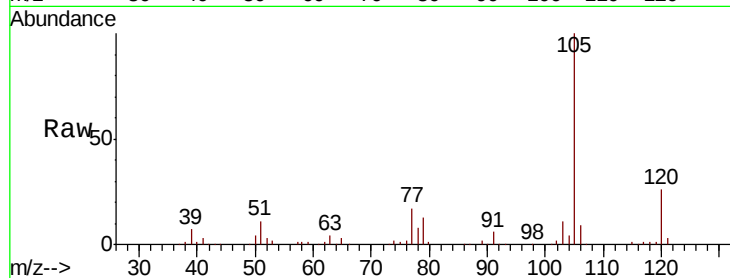
Tot Ion:105 Resp: 149039

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

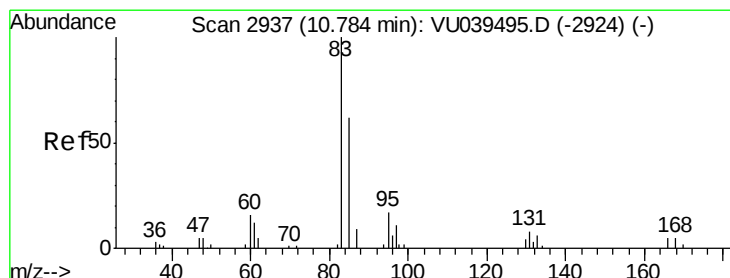
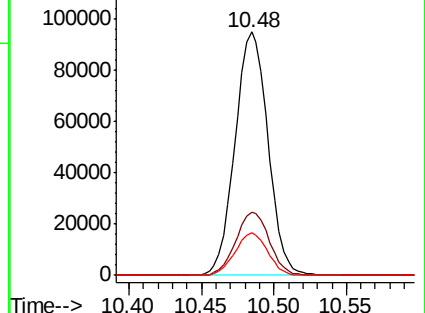
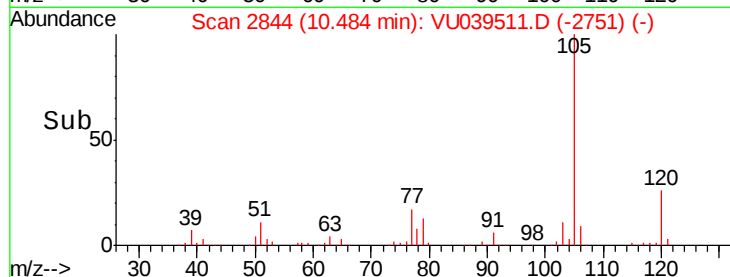
77 17.2 13.9 20.9



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: 4.656 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

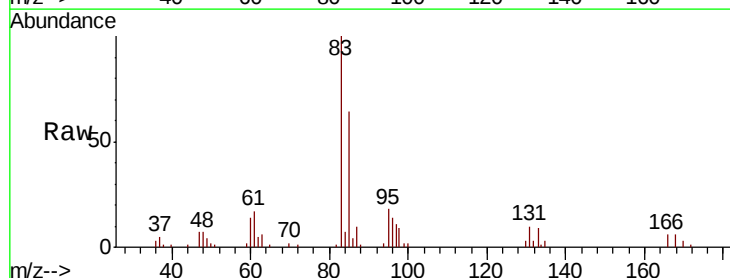
Tgt Ion: 83 Resp: 34549

Ion Ratio Lower Upper

83 100

85 64.1 46.1 85.7

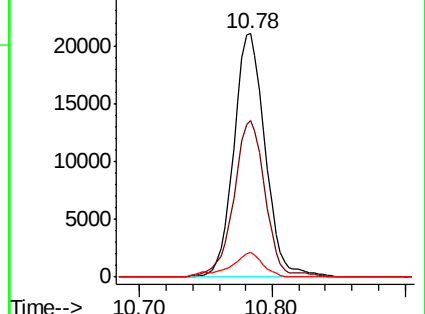
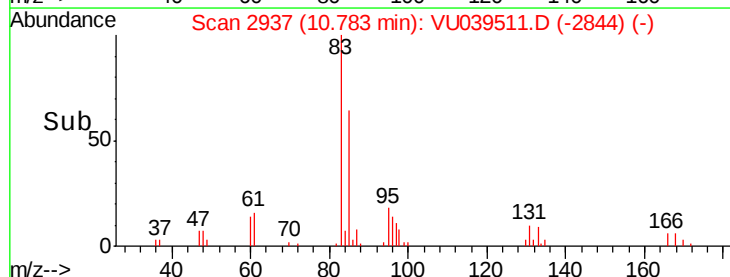
131 10.1 7.4 11.0

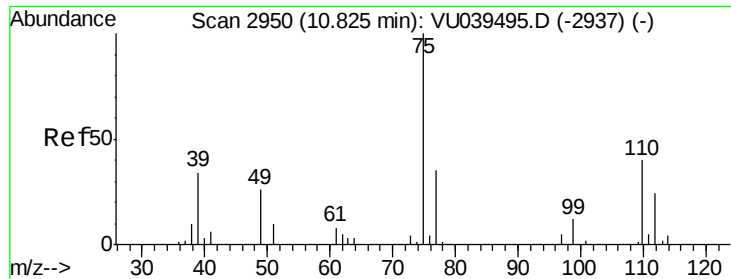


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.671 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

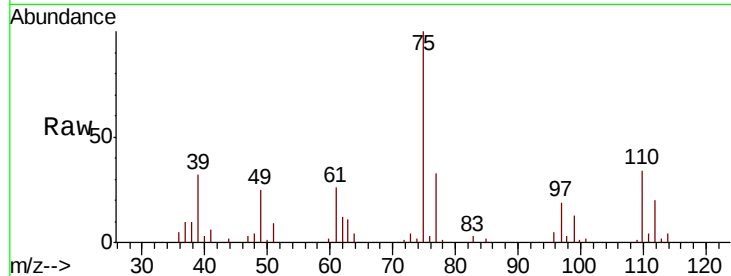
VSTD00522

Tot Ion: 75 Resp: 25551

Ion Ratio Lower Upper

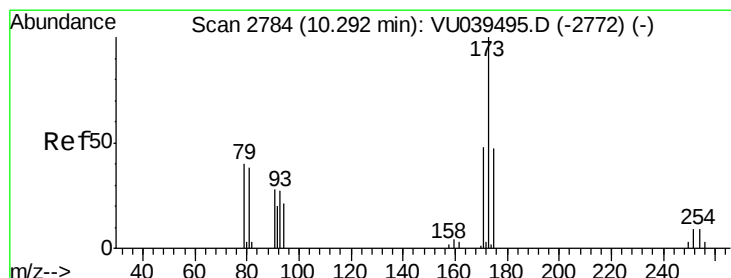
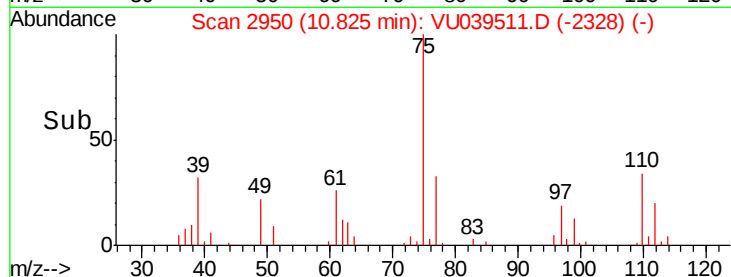
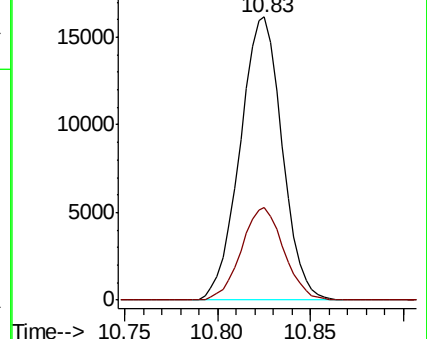
75 100

77 32.9 26.8 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU039495.D (-2937) (-)

Ion 77.00 (76.70 to 77.70): VU039495.D (-2937) (-)



#61

Bromoform

Concen: 4.579 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

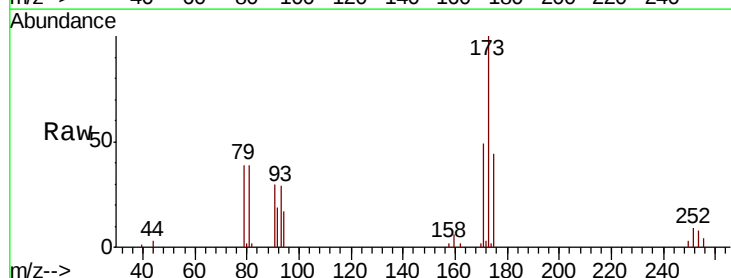
Tgt Ion: 173 Resp: 17398

Ion Ratio Lower Upper

173 100

175 47.9 37.5 56.3

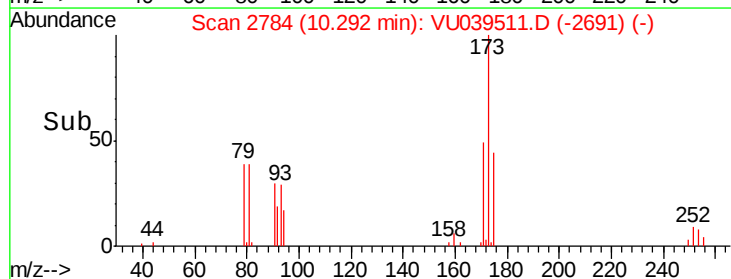
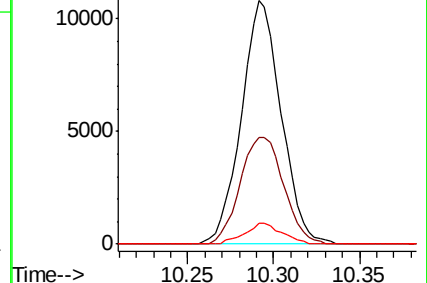
254 7.9 6.7 10.1

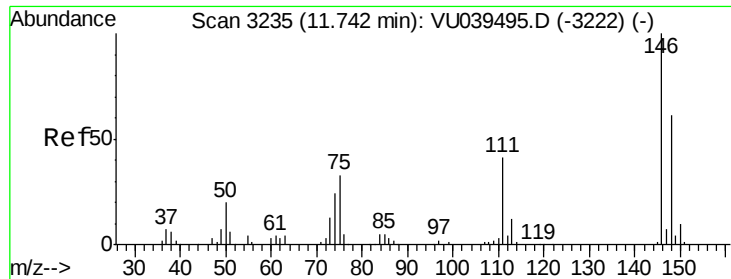


Abundance Ion 172.90 (172.60 to 173.60): VU039495.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU039495.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU039495.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 4.689 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

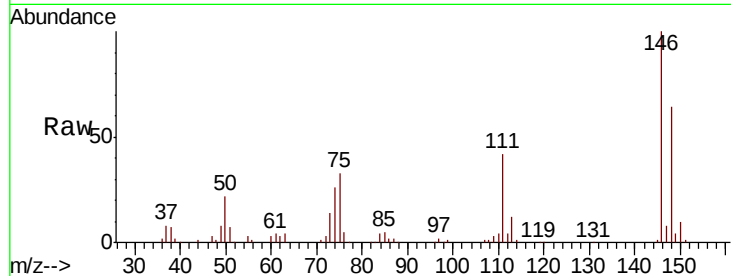
Tot Ion:146 Resp: 66238

Ion Ratio Lower Upper

146 100

111 41.6 29.0 53.8

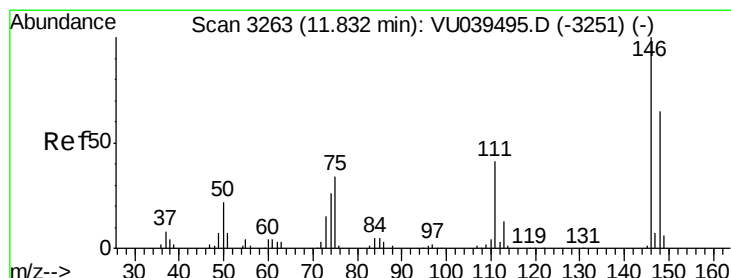
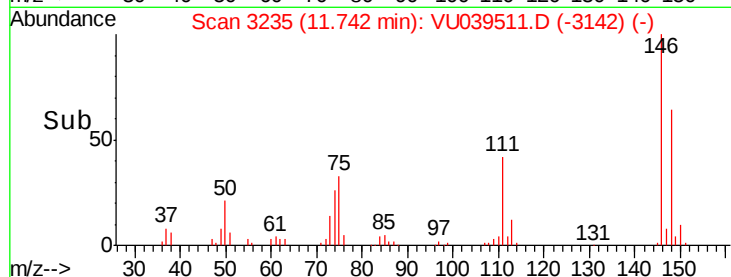
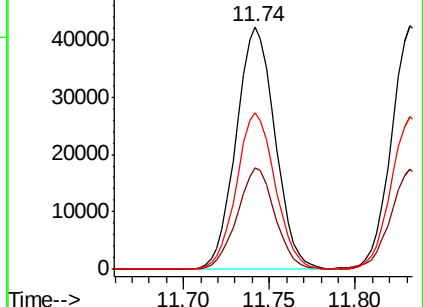
148 64.2 43.5 80.9



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: 4.700 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039511.D

Acq: 15 Jul 2020 19:47

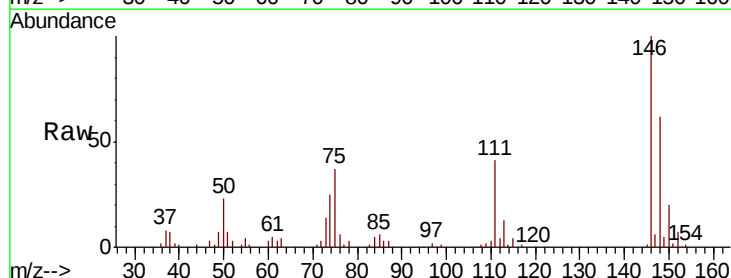
Tgt Ion:146 Resp: 66606

Ion Ratio Lower Upper

146 100

111 41.2 28.6 53.0

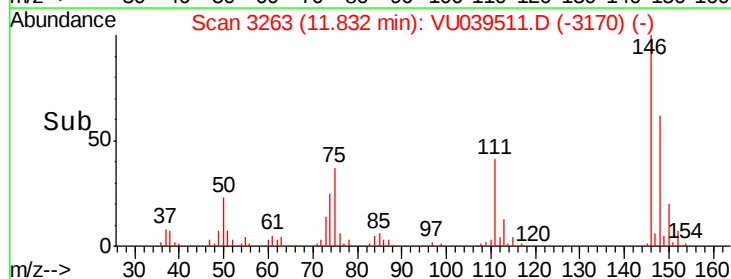
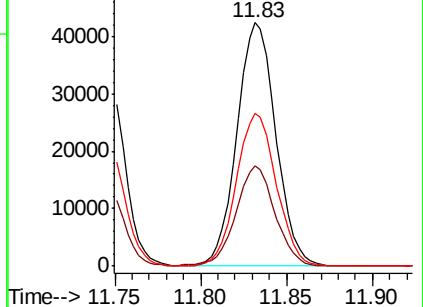
148 62.5 45.0 83.6

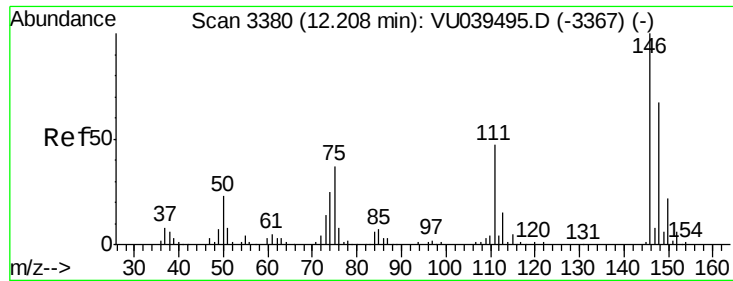


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

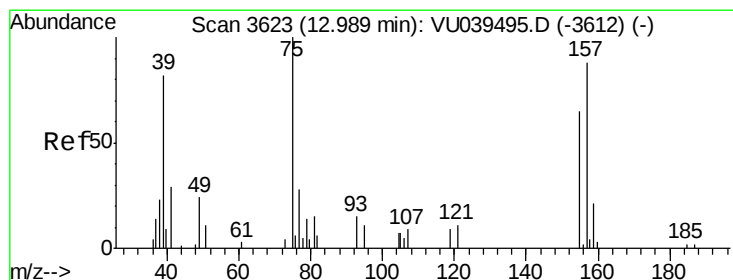
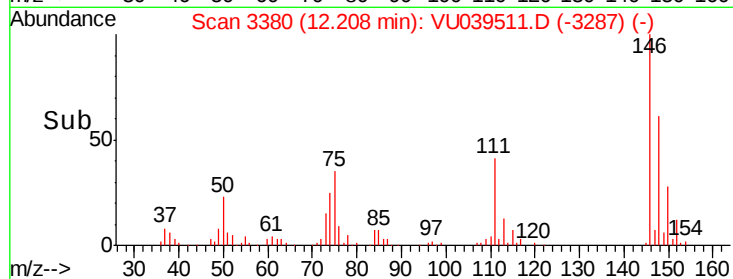
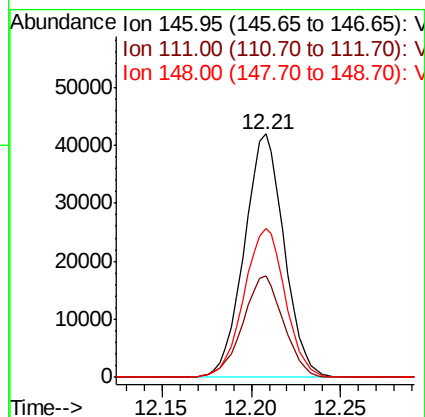
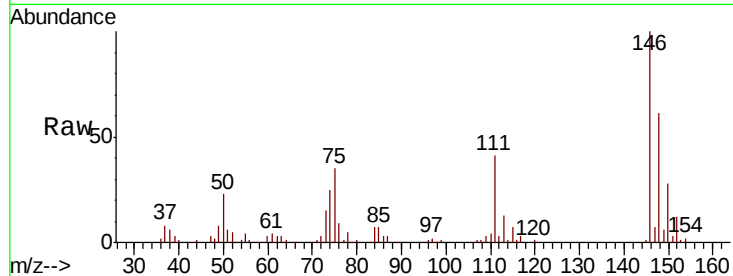




#65
 1,2-Dichlorobenzene
 Concen: 4.624 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

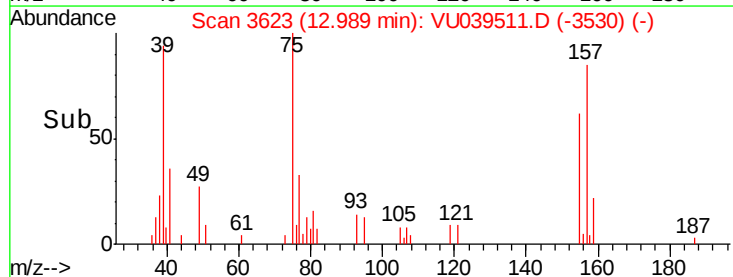
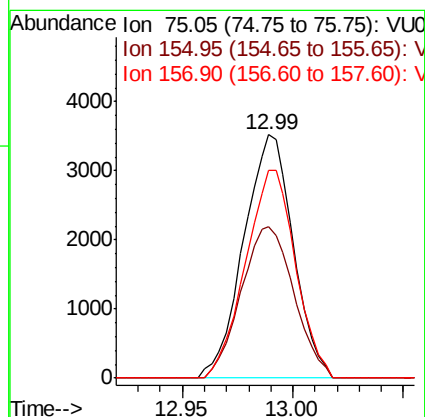
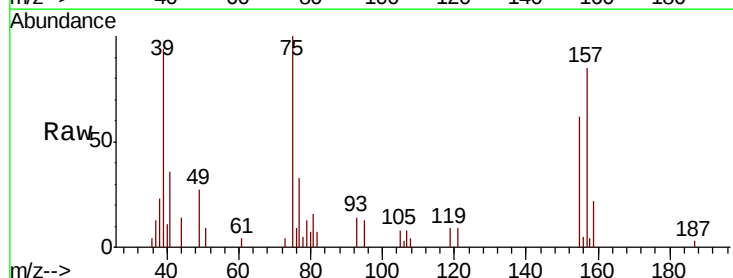
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

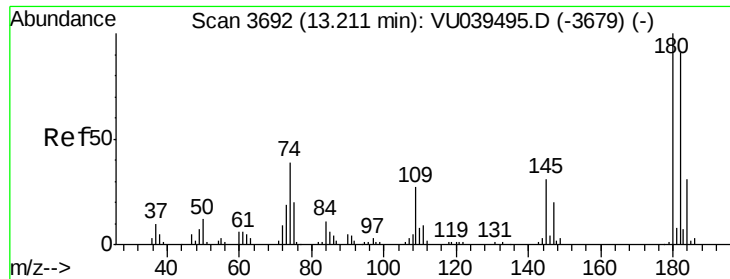
Tot Ion:146 Resp: 65474
 Ion Ratio Lower Upper
 146 100
 111 41.5 35.0 52.4
 148 61.0 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.385 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion: 75 Resp: 5485
 Ion Ratio Lower Upper
 75 100
 155 62.1 51.9 77.9
 157 85.1 63.2 94.8

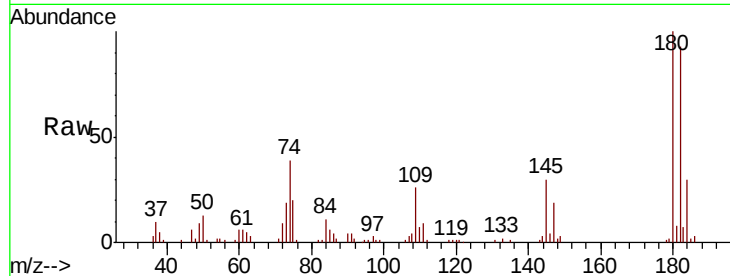




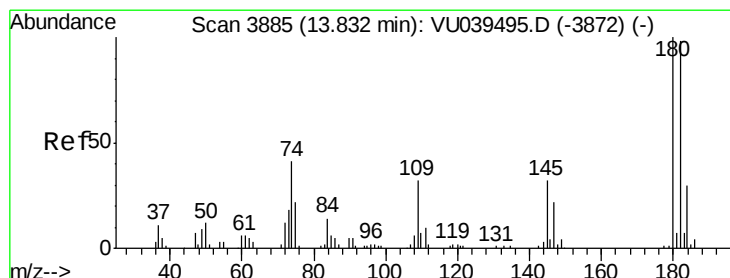
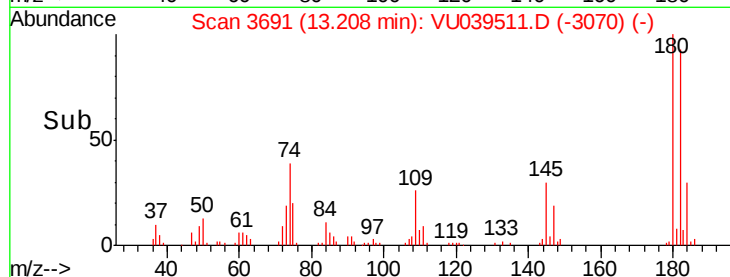
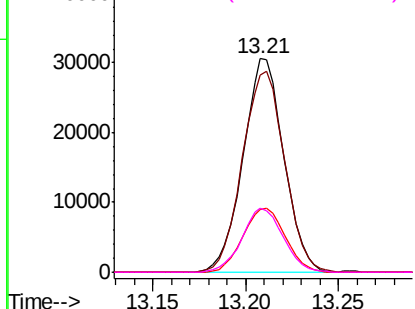
#67
 1,3,5-Trichlorobenzene
 Concen: 4.410 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:180 Resp: 46612
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 184 31.0 24.2 36.4
 145 30.4 24.2 36.2

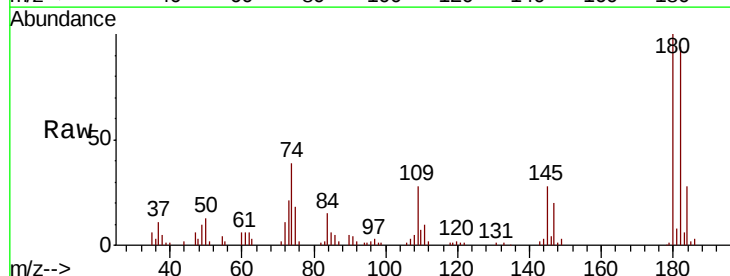


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

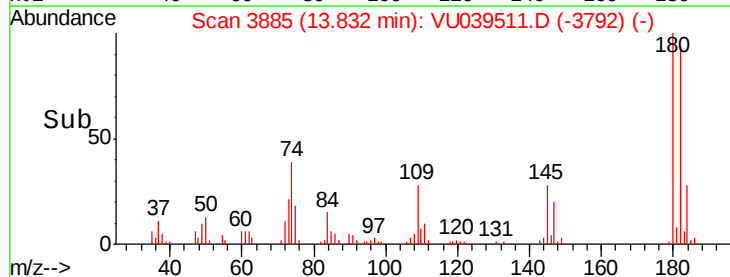
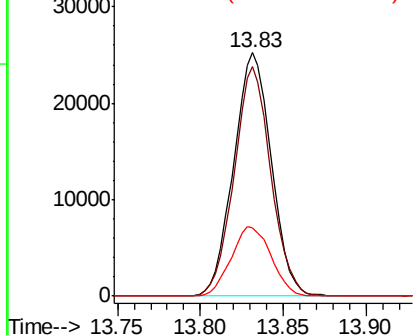


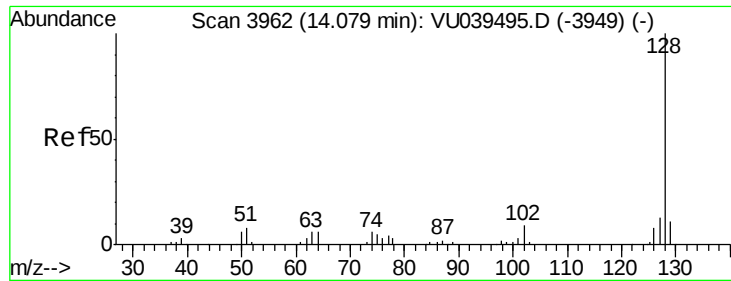
#68
 1,2,4-trichlorobenzene
 Concen: 4.411 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039511.D
 Acq: 15 Jul 2020 19:47

Tgt Ion:180 Resp: 39905
 Ion Ratio Lower Upper
 180 100
 182 91.5 79.4 119.2
 145 30.1 26.4 39.6



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

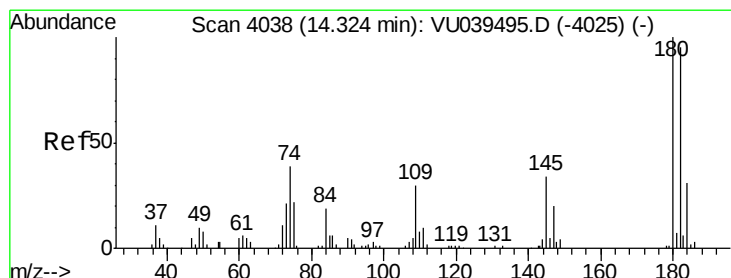
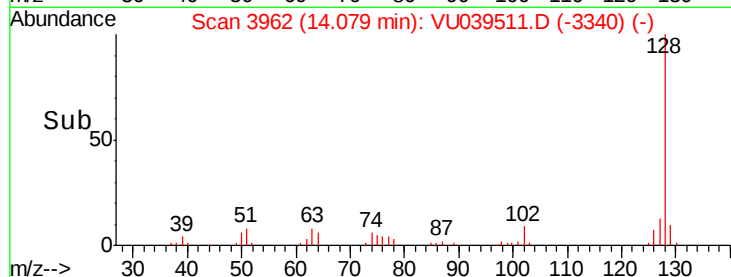
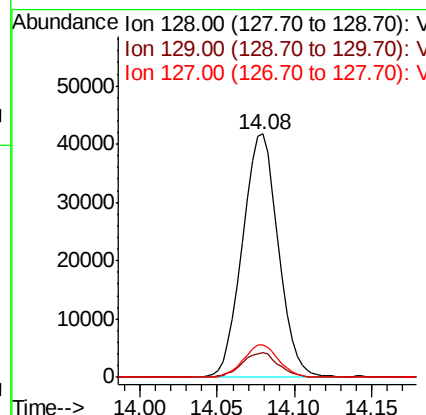
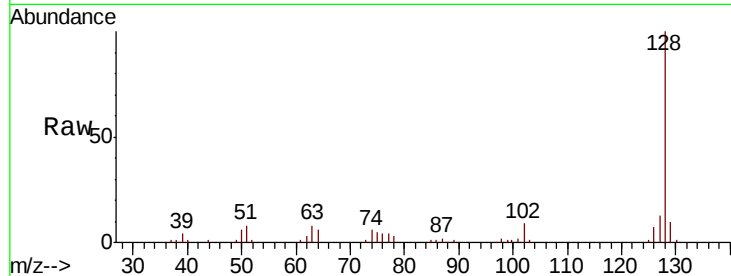




#69
Naphthalene
Concen: 3.701 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. -0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:128 Resp: 67367
Ion Ratio Lower Upper
128 100
129 10.2 8.6 13.0
127 13.3 10.4 15.6



#70
1,2,3-Trichlorobenzene
Concen: 4.241 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU039511.D
Acq: 15 Jul 2020 19:47

Tgt Ion:180 Resp: 35549
Ion Ratio Lower Upper
180 100
182 95.5 74.2 111.2
145 31.9 27.6 41.4

