

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070620\
 Data File : VU039285.D
 Acq On : 06 Jul 2020 12:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jul 07 01:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 06 12:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	131560	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123975	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	60235	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51825	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.93	69	45396	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.58	63	95469	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.66	46	199903	52.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.84%
24) Chloroform-d	5.09	84	101583	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.72	65	60343	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.74	84	198927	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.71	67	64383	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.91	98	178621	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	8.19	79	30220	5.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.00%
46) 2-Hexanone-d5	8.64	63	160835	52.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.12%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	61104	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	67093	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	37017	4.948	ug/L 100
3) Chloromethane	1.53	50	48439	5.081	ug/L 97
5) Vinyl chloride	1.61	62	49688	5.069	ug/L 95
6) Bromomethane	1.87	94	31063	5.169	ug/L 99
8) Chloroethane	1.94	64	36370	5.421	ug/L 91
9) Trichlorofluoromethane	2.15	101	83914	4.895	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	37315	4.991	ug/L 96
12) 1,1-Dichloroethene	2.59	96	36003	4.831	ug/L 93
13) Acetone	2.67	43	93505	51.822	ug/L 100
14) Carbon disulfide	2.81	76	121874	5.129	ug/L 100
15) Methyl Acetate	2.97	43	23376	5.178	ug/L 99
16) Methylene chloride	3.06	84	45426	4.786	ug/L 99
17) Methyl tert-butyl Ether	3.38	73	124161	5.065	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	40589	5.009	ug/L 98
19) 1,1-Dichloroethane	3.89	63	81475	5.019	ug/L 98
21) 2-Butanone	4.74	43	165480	50.389	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	46529	5.040	ug/L 97

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 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jul 07 01:05:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jul 06 12:02:20 2020
 Response via : Initial Calibration

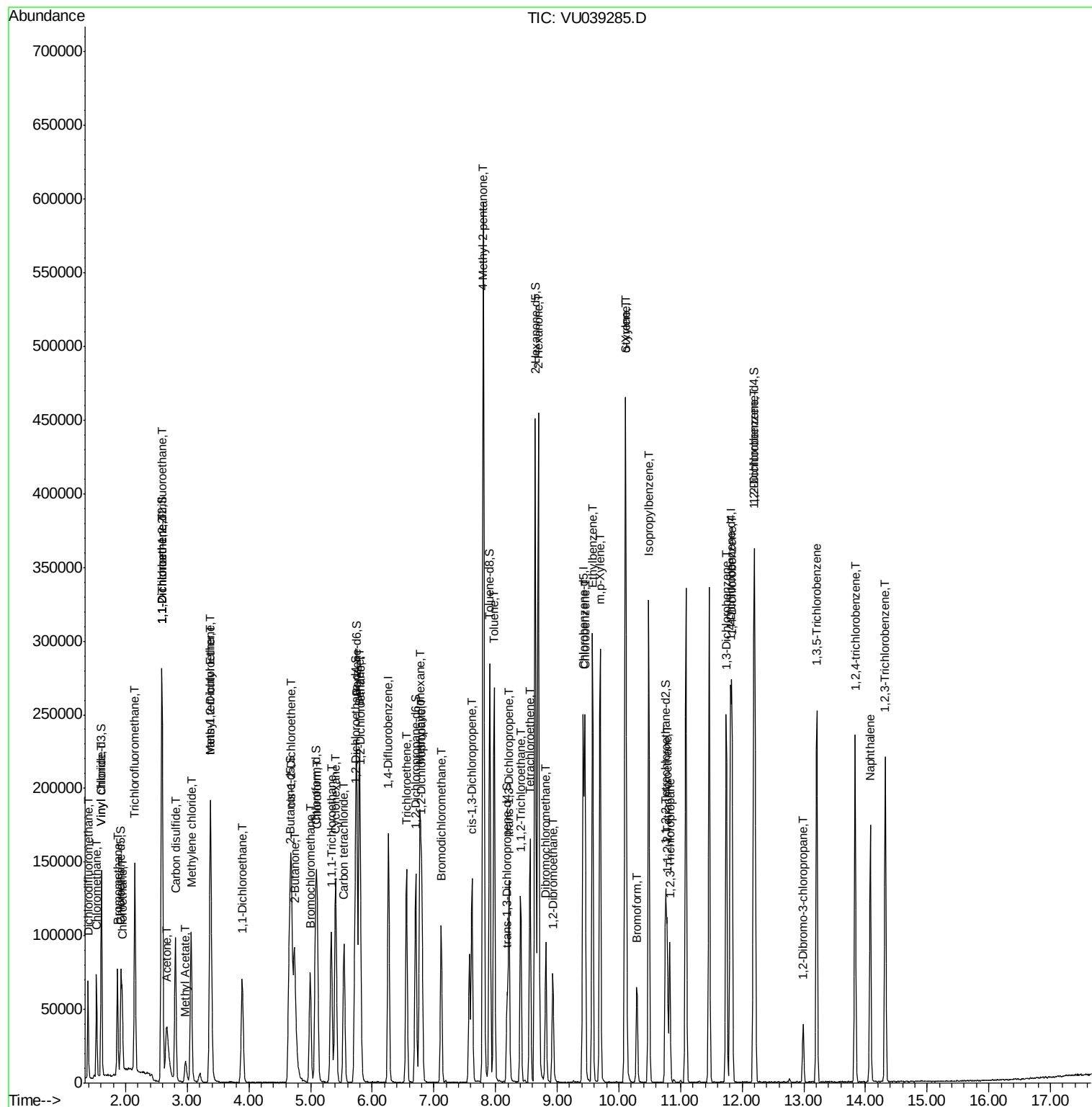
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	21848	5.252	uq/L	96
25) Chloroform	5.11	83	83896	4.962	uq/L	98
27) 1,2-Dichloroethane	5.81	62	60118	4.934	uq/L	97
29) 1,1,1-Trichloroethane	5.34	97	72940	5.123	uq/L	98
30) Cyclohexane	5.41	56	70971	4.976	uq/L	99
31) Carbon tetrachloride	5.54	117	60319	5.038	uq/L	98
33) Benzene	5.79	78	178527	5.109	uq/L	100
34) Trichloroethene	6.56	95	46108	5.118	uq/L	97
35) Methylcyclohexane	6.78	83	71594	4.963	uq/L	99
37) 1,2-Dichloropropane	6.81	63	49010	5.028	uq/L	99
38) Bromodichloromethane	7.12	83	64053	5.040	uq/L	97
39) cis-1,3-Dichloropropene	7.62	75	75825	5.004	uq/L	95
40) 4-Methyl-2-pentanone	7.80	43	414608	50.257	uq/L	100
42) Toluene	7.98	91	188802	4.964	uq/L	98
44) trans-1,3-Dichloropropene	8.22	75	69119	5.065	uq/L	98
45) 1,1,2-Trichloroethane	8.41	97	36926	5.093	uq/L	98
47) Tetrachloroethene	8.56	164	32052	5.062	uq/L	95
48) 2-Hexanone	8.69	43	308750	50.324	uq/L	98
49) Dibromochloromethane	8.82	129	45747	5.025	uq/L	99
50) 1,2-Dibromoethane	8.93	107	36367	4.989	uq/L	98
51) Chlorobenzene	9.45	112	119989	5.102	uq/L	97
52) Ethylbenzene	9.57	91	209153	4.941	uq/L	97
53) m,p-Xylene	9.70	106	78663	4.926	uq/L	100
54) o-Xylene	10.10	106	78068	4.932	uq/L	99
55) Styrene	10.11	104	132116	4.774	uq/L	97
56) Isopropylbenzene	10.48	105	203494	4.747	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	49331	4.817	uq/L	96
59) 1,2,3-Trichloropropane	10.83	75	36370	4.965	uq/L	94
61) Bromoform	10.29	173	26714	4.974	uq/L	96
62) 1,3-Dichlorobenzene	11.74	146	93850	4.958	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	94873	5.103	uq/L	97
65) 1,2-Dichlorobenzene	12.21	146	91208	4.919	uq/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	8882	4.802	uq/L #	75
67) 1,3,5-Trichlorobenzene	13.21	180	71223	5.121	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	65842	5.475	uq/L	98
69) Naphthalene	14.08	128	130940	5.679	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	59668	5.441	uq/L	98

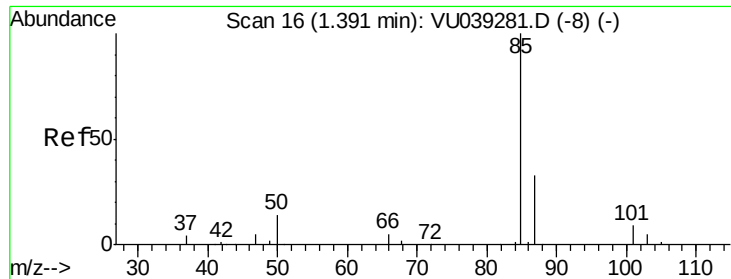
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU039285.D
Acq On : 06 Jul 2020 12:09
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Jul 07 01:05:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jul 06 12:02:20 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.948 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampled :

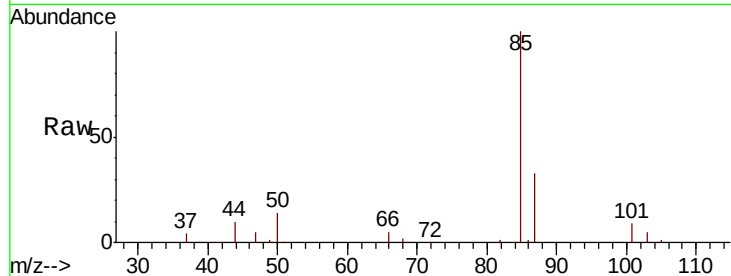
VSTD00527

Tot Ion: 85 Resp: 37017

Ion Ratio Lower Upper

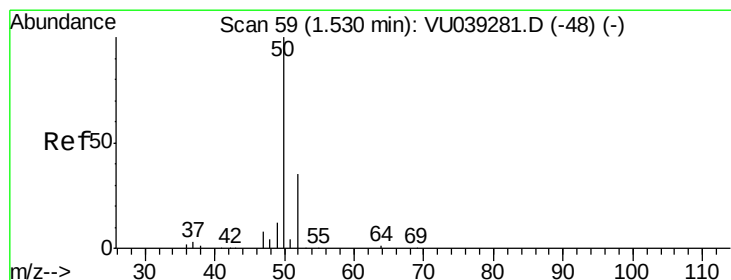
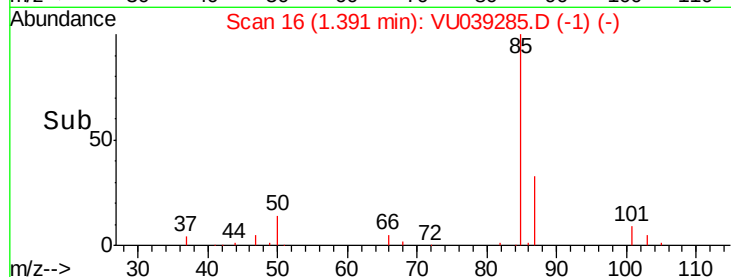
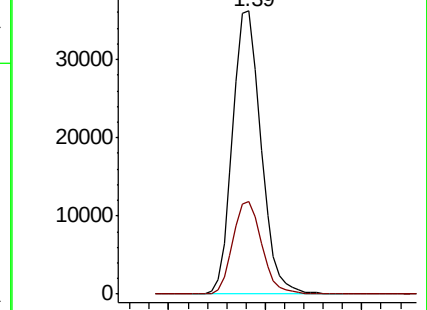
85 100

87 33.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039281.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039281.D (-8) (-)



#3

Chloromethane

Concen: 5.081 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039285.D

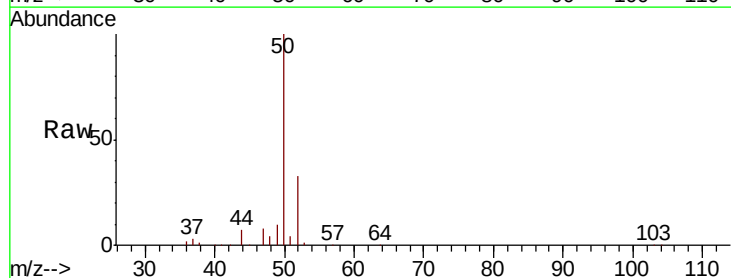
Acq: 06 Jul 2020 12:09

Tgt Ion: 50 Resp: 48439

Ion Ratio Lower Upper

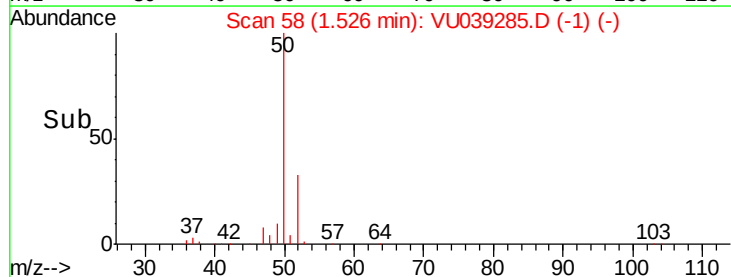
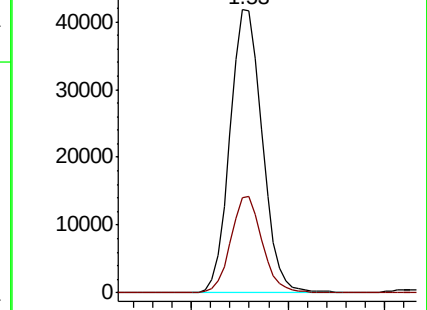
50 100

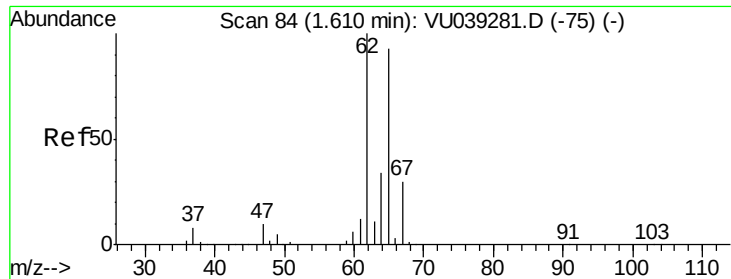
52 33.5 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039281.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU039281.D (-48) (-)





#5

Vinyl chloride

Concen: 5.069 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

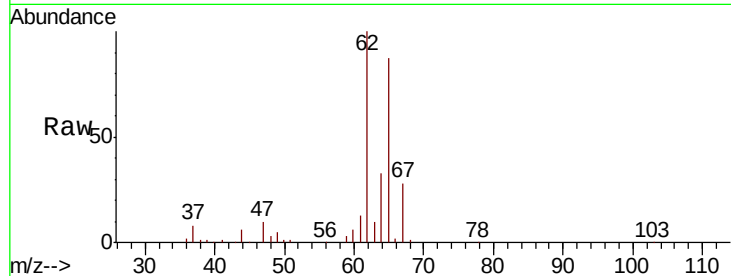
VSTD00527

Tot Ion: 62 Resp: 49688

Ion Ratio Lower Upper

62 100

64 33.4 25.6 47.4

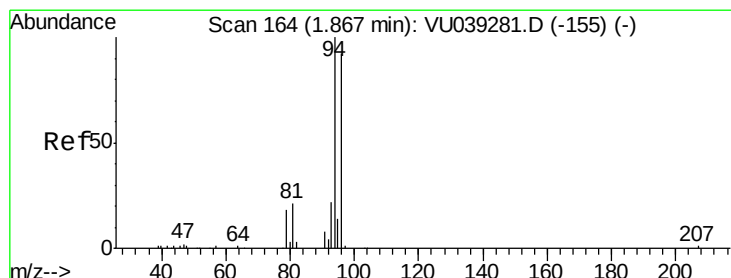
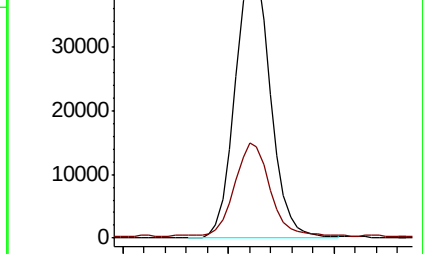
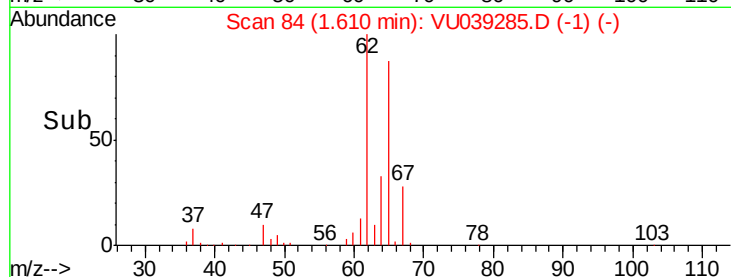


Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039285.D (-75) (-)

1.61

Time-->



#6

Bromomethane

Concen: 5.169 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039285.D

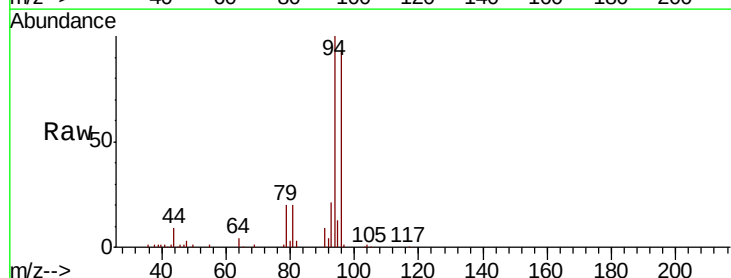
Acq: 06 Jul 2020 12:09

Tgt Ion: 94 Resp: 31063

Ion Ratio Lower Upper

94 100

96 93.2 64.3 119.5

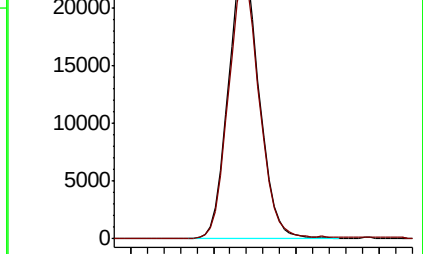
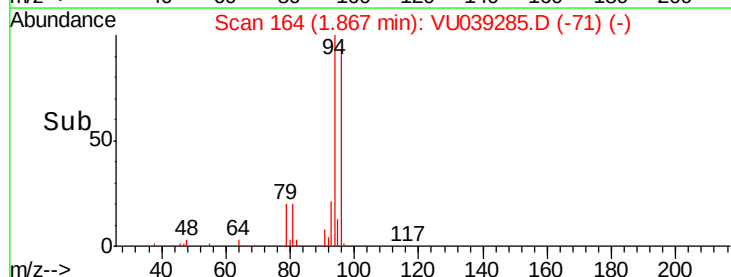


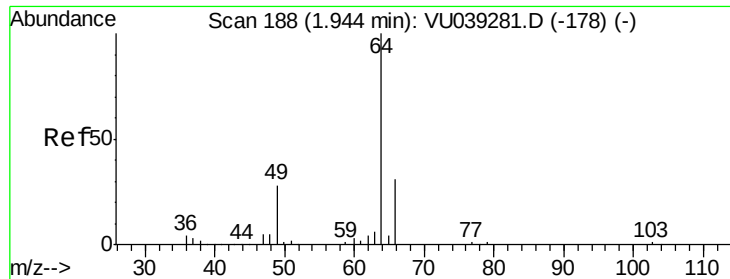
Abundance Ion 94.00 (93.70 to 94.70): VU039285.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039285.D (-155) (-)

1.87

Time-->

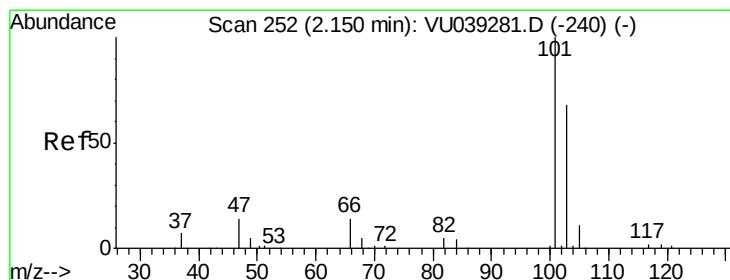
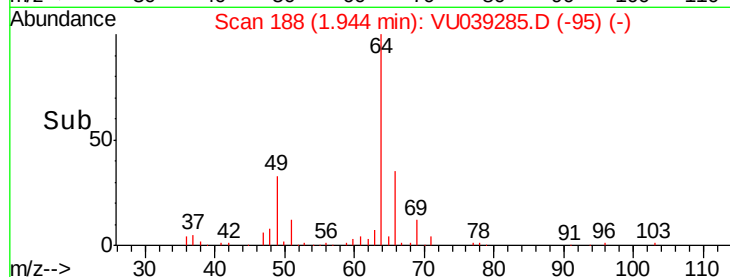
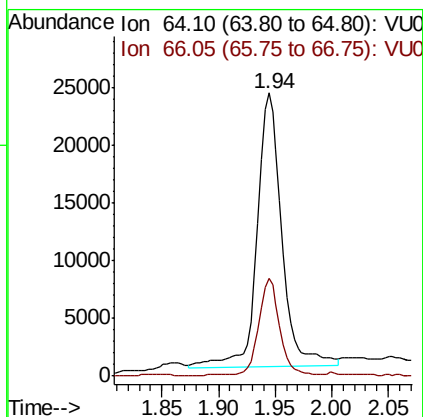
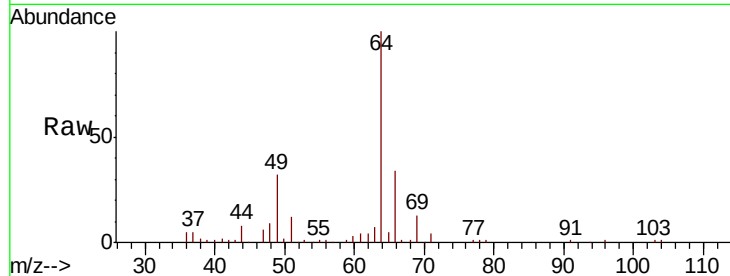




#8
 Chloroethane
 Concen: 5.421 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

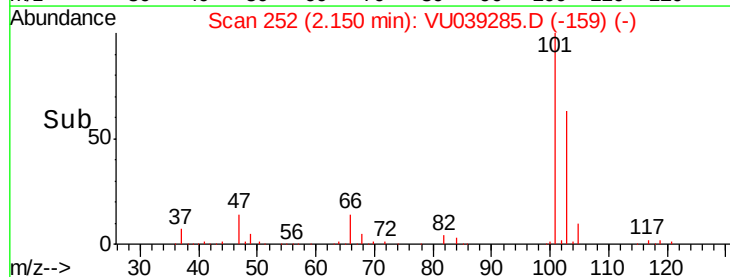
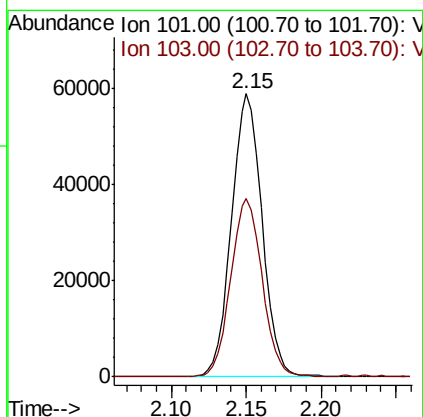
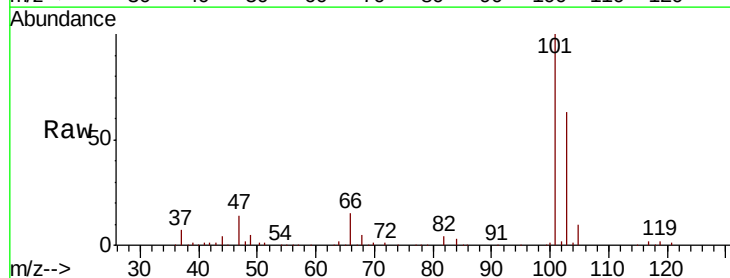
Instrument :
 MSVOA_U
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 VSTD00527

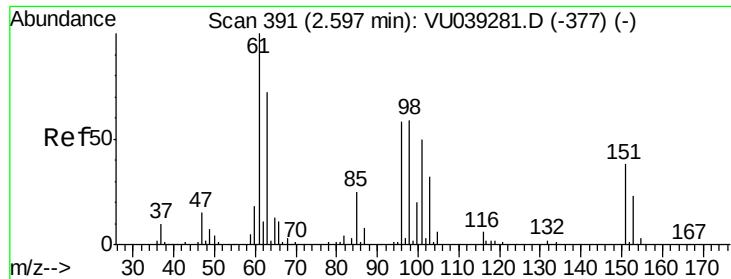
Tot Ion: 64 Resp: 36370
 Ion Ratio Lower Upper
 64 100
 66 34.5 20.7 38.5



#9
 Trichlorofluoromethane
 Concen: 4.895 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion:101 Resp: 83914
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.4 80.2





#10

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

Concen: 4.991 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

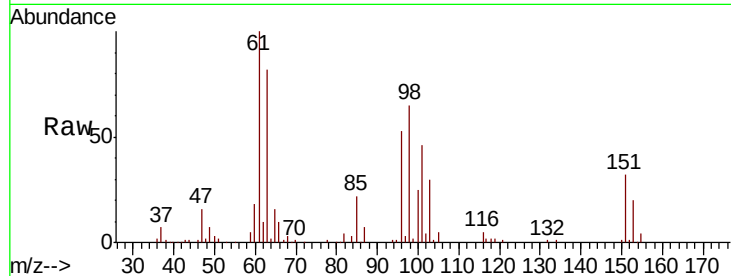
Tot Ion:101 Resp: 37315

Ion Ratio Lower Upper

101 100

85 47.1 38.4 57.6

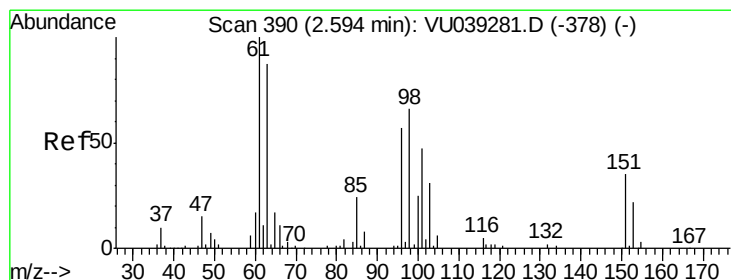
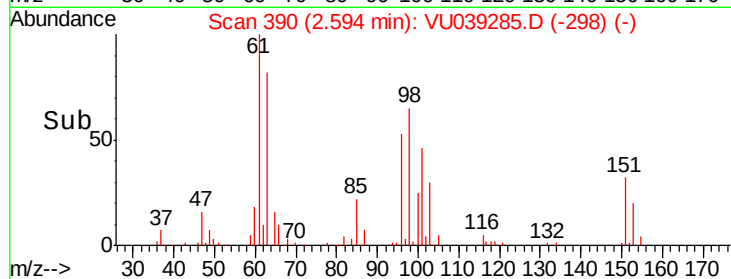
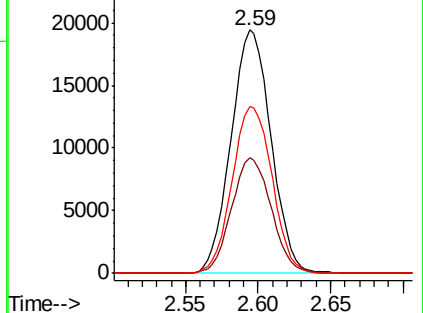
151 68.3 58.3 87.5



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: 4.831 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

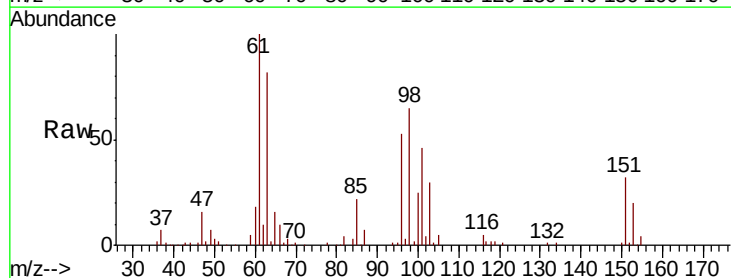
Tgt Ion: 96 Resp: 36003

Ion Ratio Lower Upper

96 100

61 190.5 123.8 230.0

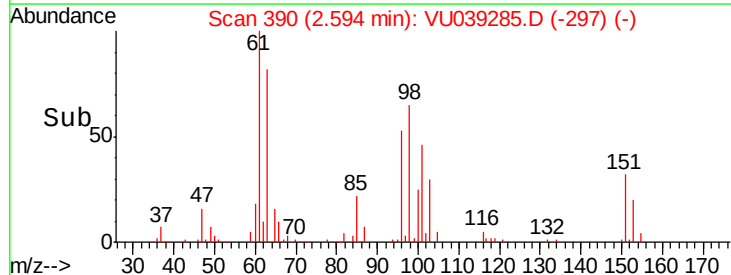
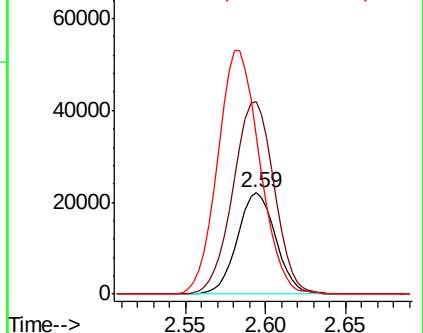
63 155.8 112.1 208.3

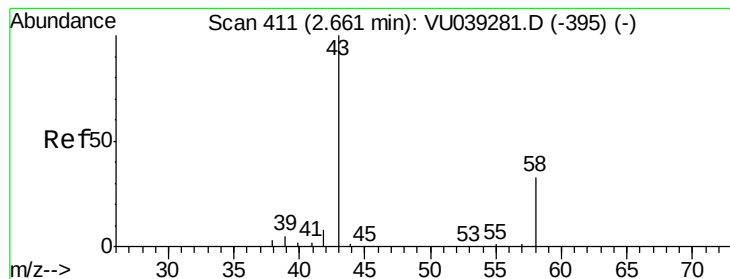


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.822 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

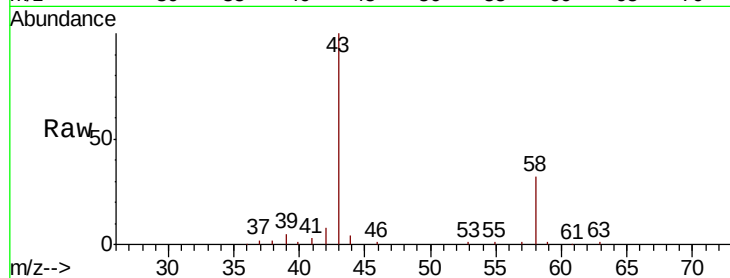
VSTD00527

Tot Ion: 43 Resp: 93505

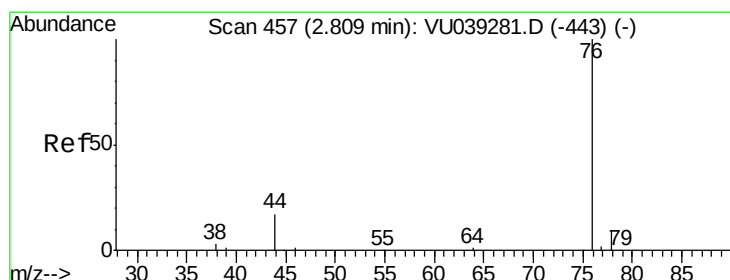
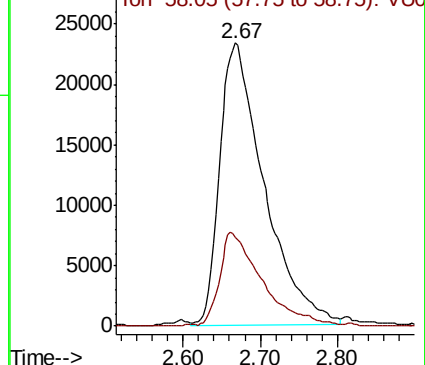
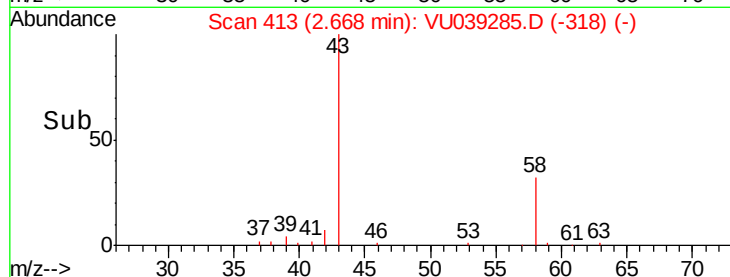
Ion Ratio Lower Upper

43 100

58 31.8 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039285.D (-318) (-)



#14

Carbon disulfide

Concen: 5.129 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039285.D

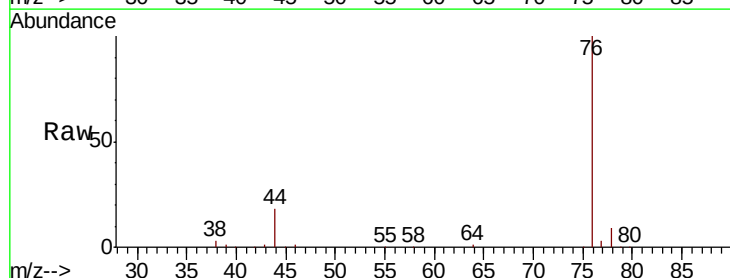
Acq: 06 Jul 2020 12:09

Tgt Ion: 76 Resp: 121874

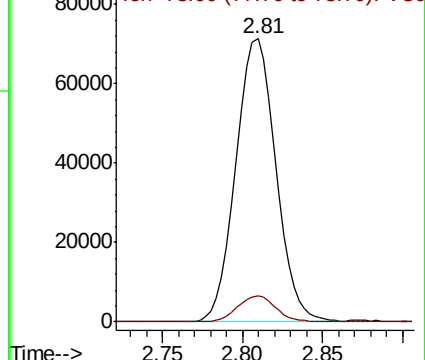
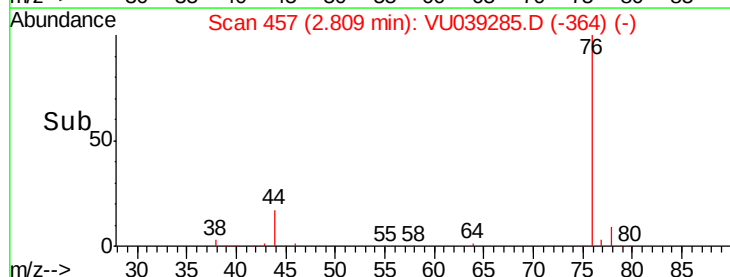
Ion Ratio Lower Upper

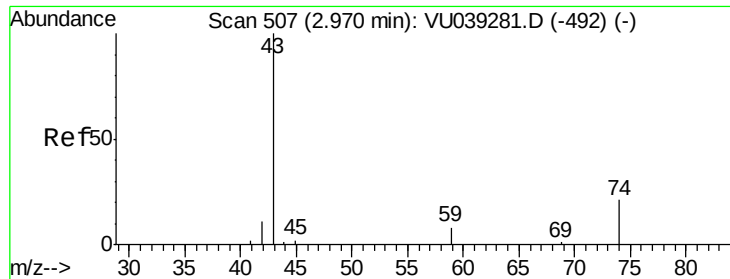
76 100

78 9.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039285.D (-364) (-)

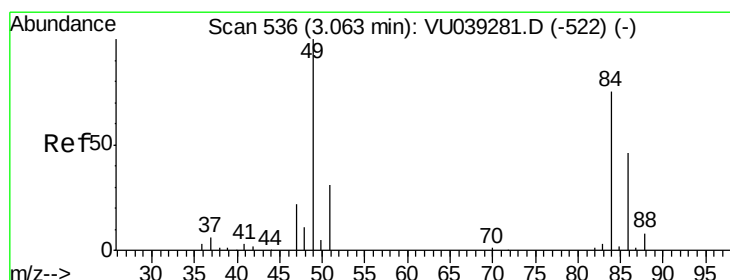
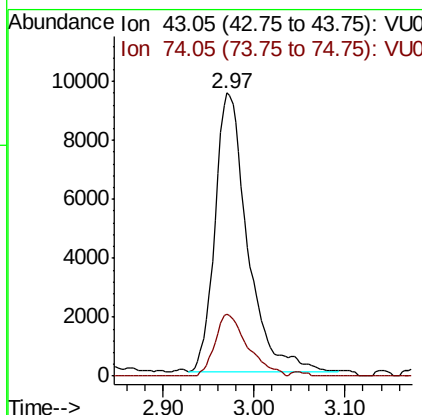
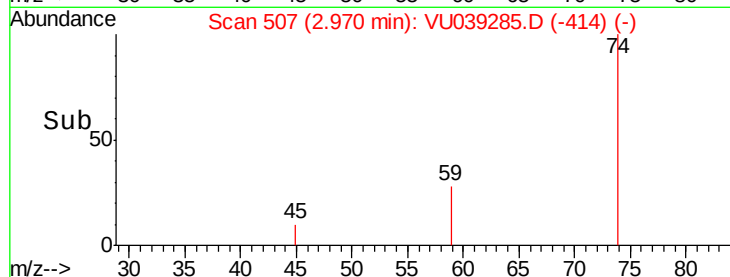
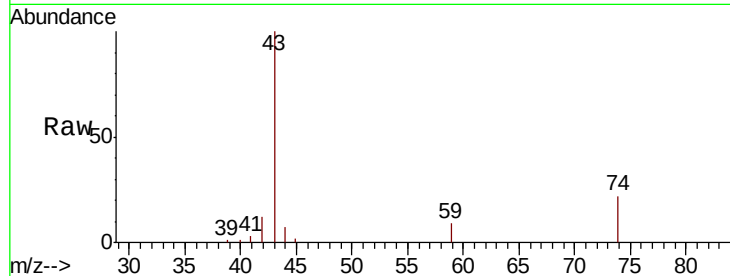




#15
Methvl Acetate
Concen: 5.178 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

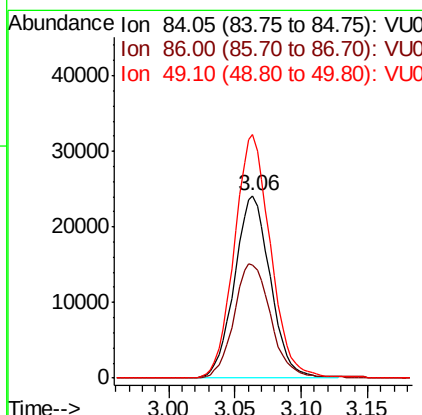
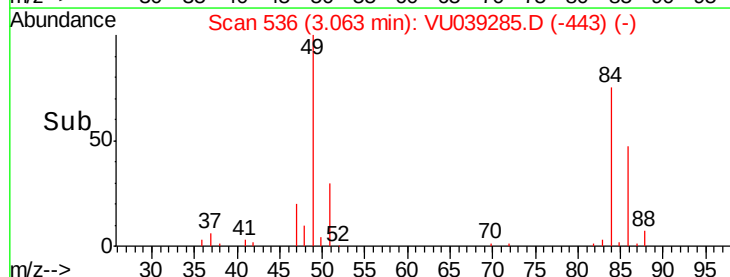
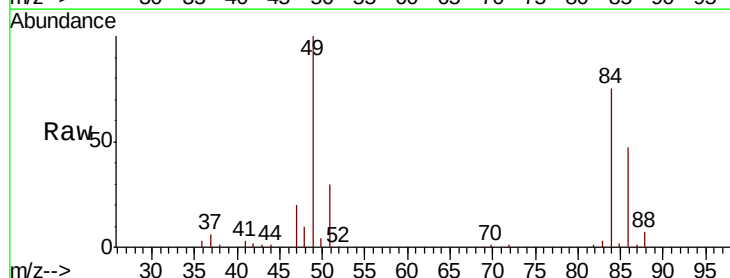
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

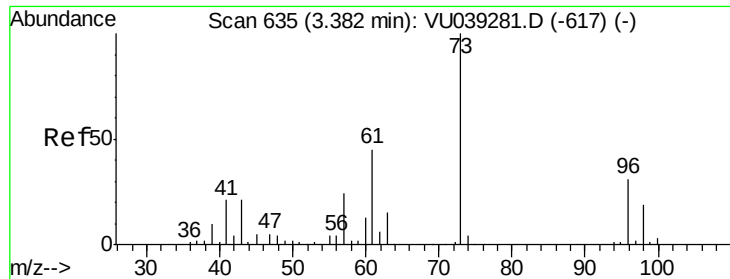
Tot Ion: 43 Resp: 23376
Ion Ratio Lower Upper
43 100
74 22.3 17.5 26.3



#16
Methylene chloride
Concen: 4.786 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion: 84 Resp: 45426
Ion Ratio Lower Upper
84 100
86 62.0 42.6 79.0
49 133.3 93.0 172.8

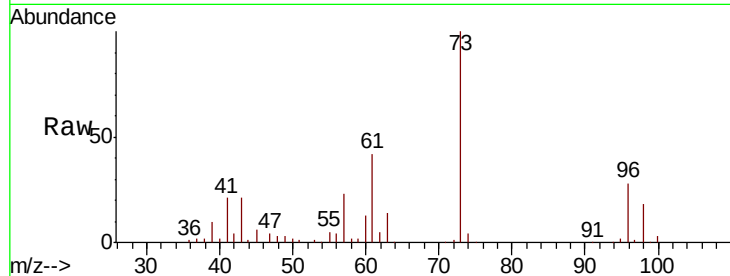




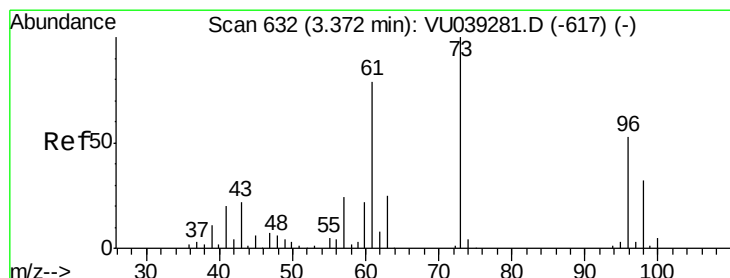
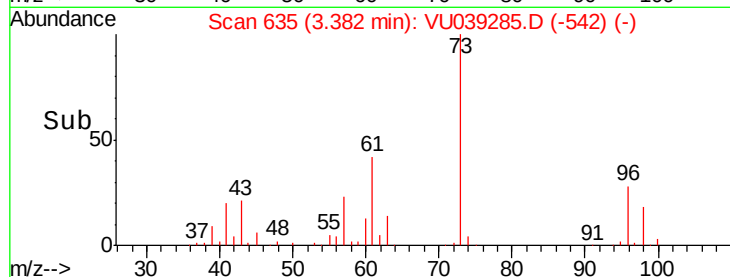
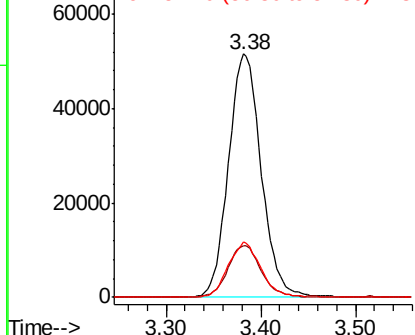
#17
Methyl tert-butyl Ether
Concen: 5.065 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 73 Resp: 124161
Ion Ratio Lower Upper
73 100
43 21.6 17.5 26.3
57 22.4 18.6 27.8

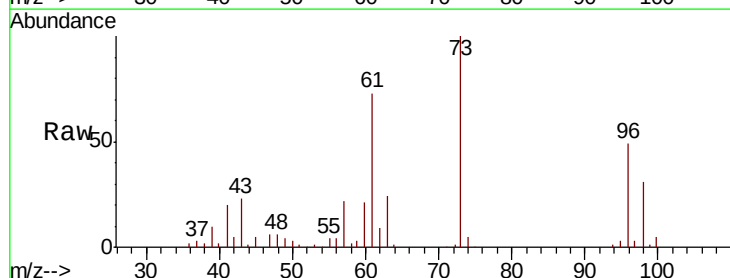


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

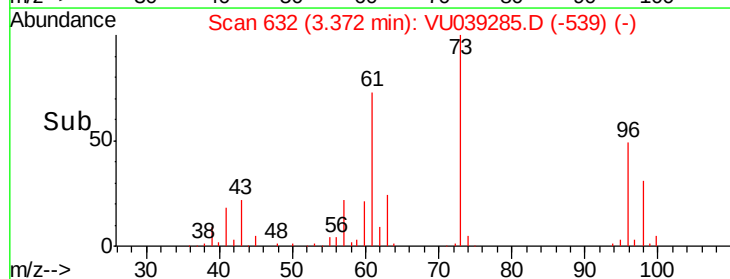
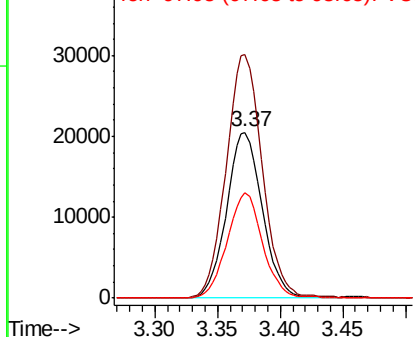


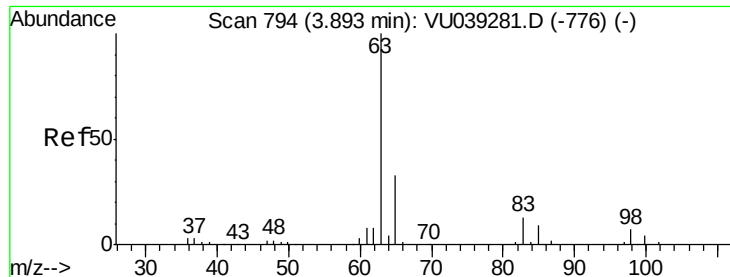
#18
trans-1,2-Dichloroethene
Concen: 5.009 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion: 96 Resp: 40589
Ion Ratio Lower Upper
96 100
61 146.9 104.7 194.5
98 63.5 43.1 80.1



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

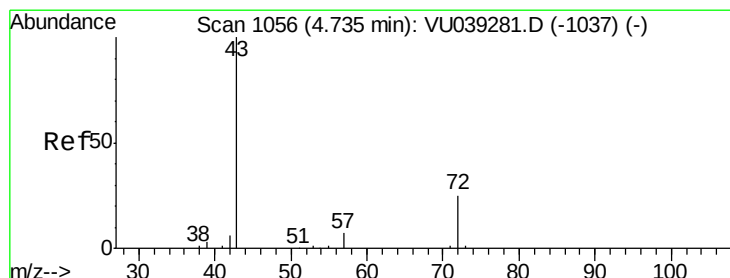
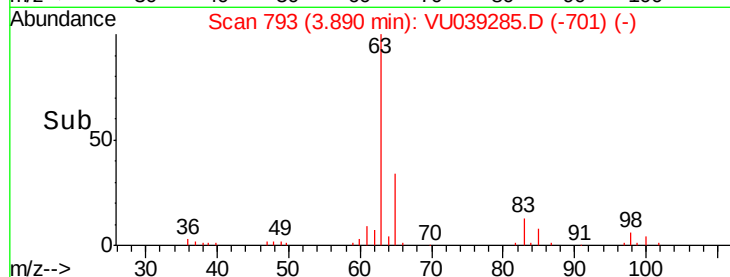
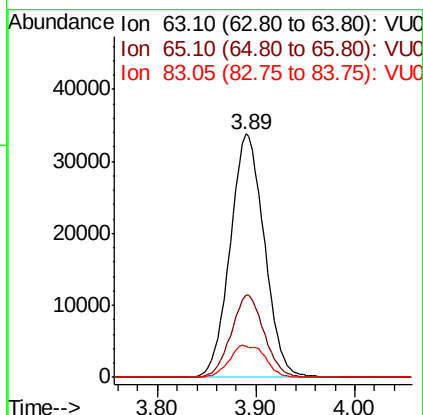
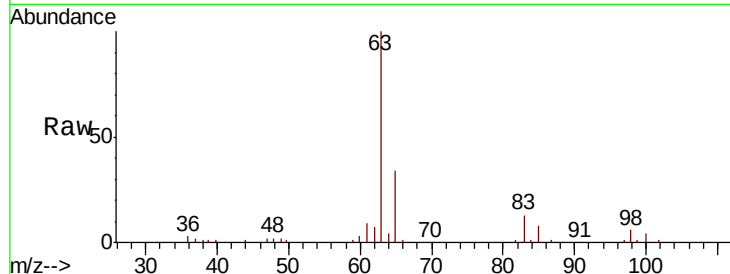




#19
 1,1-Dichloroethane
 Concen: 5.019 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

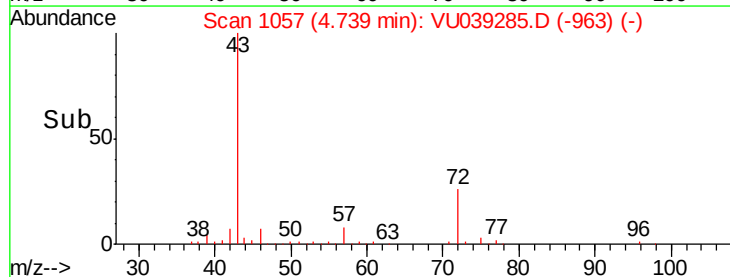
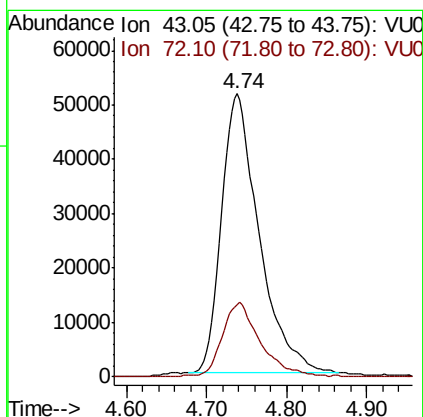
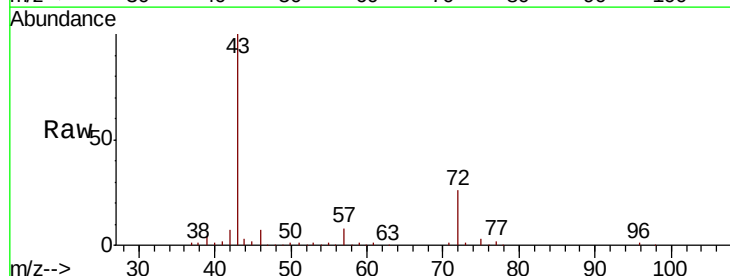
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

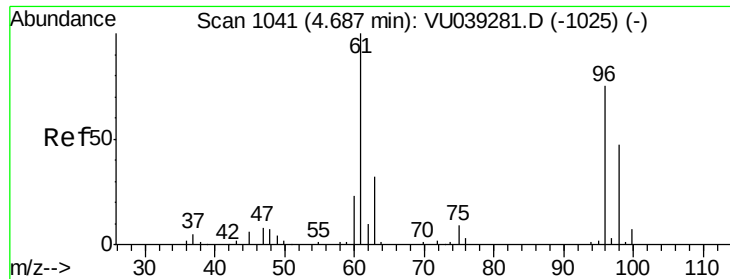
Tot Ion: 63 Resp: 81475
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.7 42.3
 83 12.7 9.1 16.9



#21
 2-Butanone
 Concen: 50.389 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 43 Resp: 165480
 Ion Ratio Lower Upper
 43 100
 72 27.1 12.8 38.3

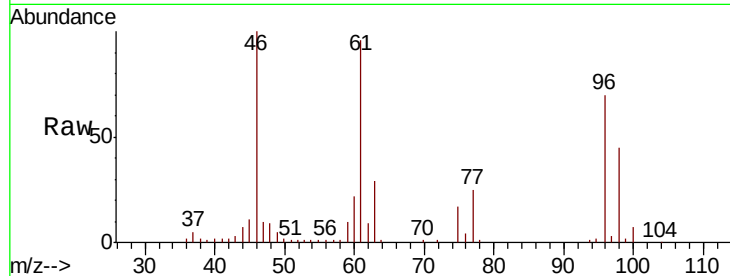




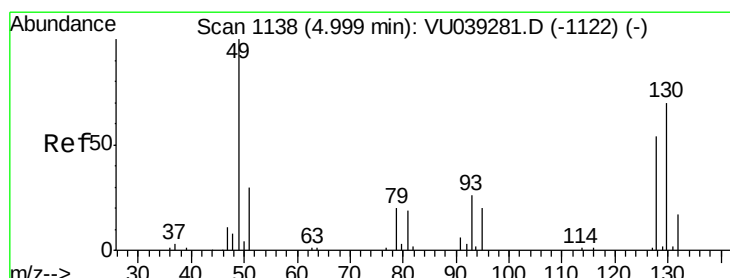
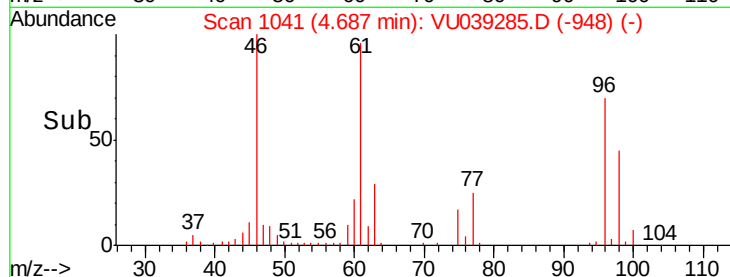
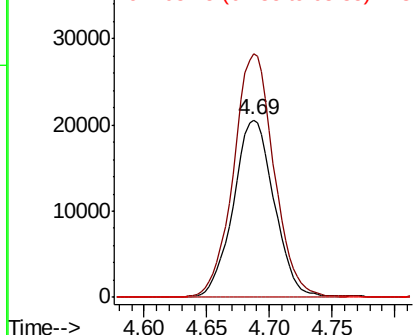
#22
 cis-1,2-Dichloroethene
 Concen: 5.040 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion: 96 Resp: 46529
 Ion Ratio Lower Upper
 96 100
 61 137.0 93.7 173.9
 68 0.0 0.0 0.0

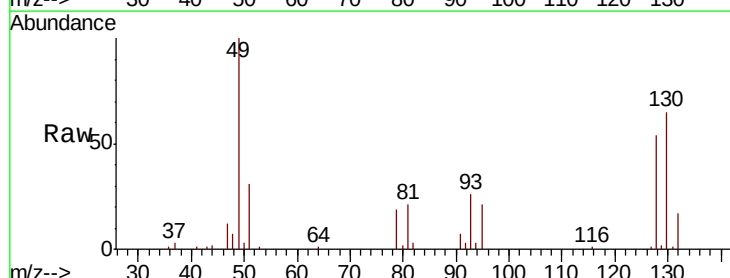


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

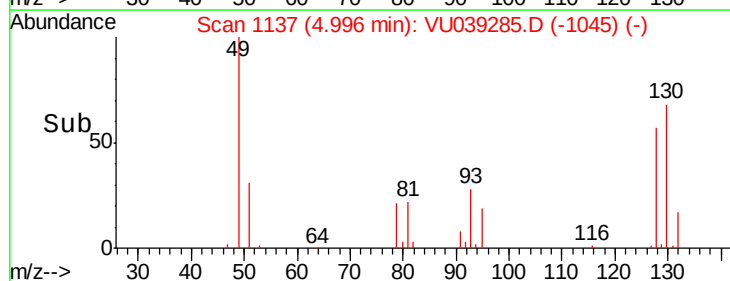
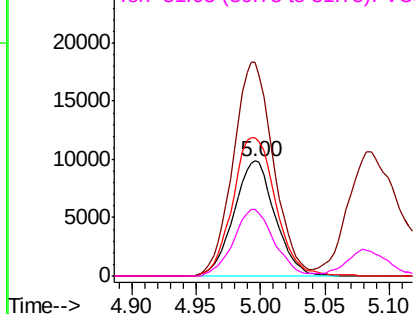


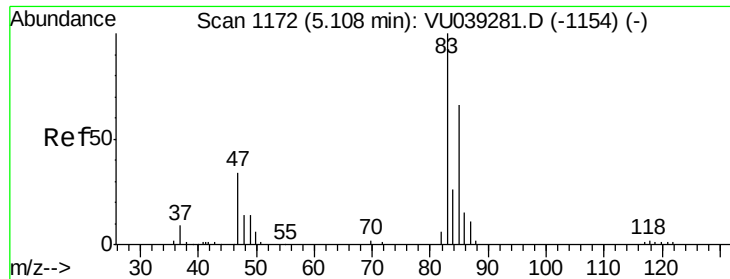
#23
 Bromochloromethane
 Concen: 5.252 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 128 Resp: 21848
 Ion Ratio Lower Upper
 128 100
 49 185.3 128.7 238.9
 130 120.3 89.7 166.5
 51 57.5 43.5 65.3



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

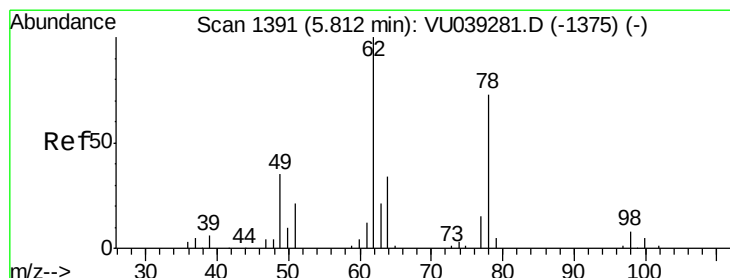
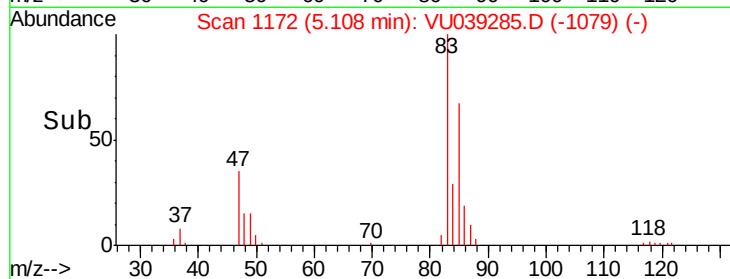
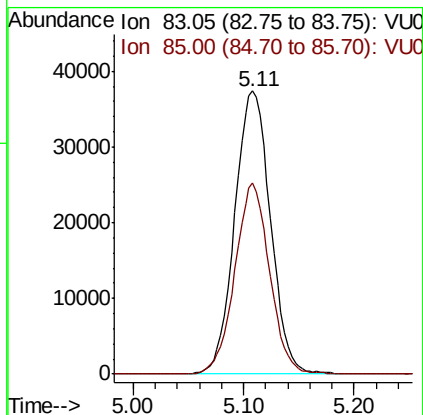
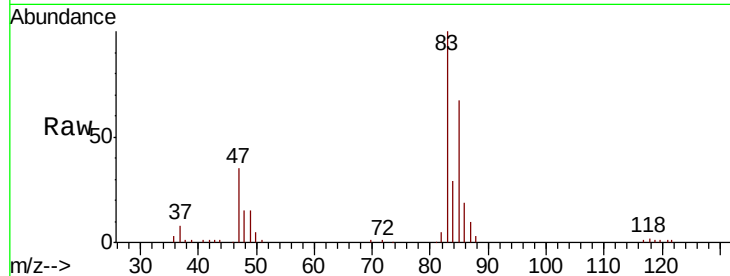




#25
Chloroform
Concen: 4.962 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

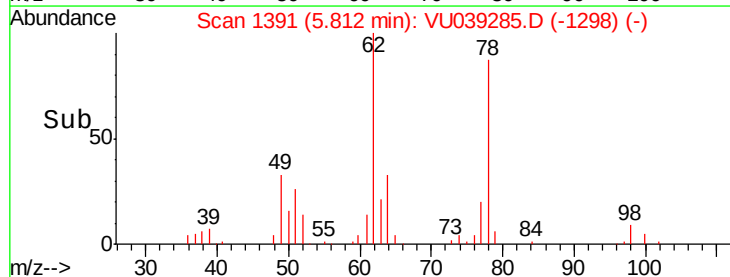
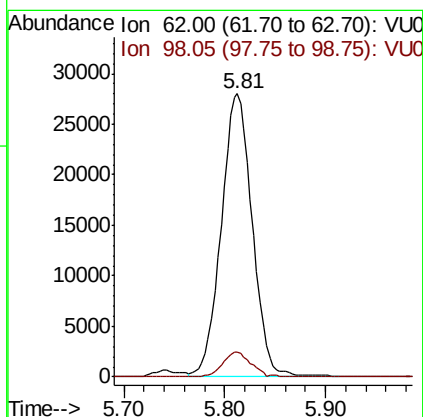
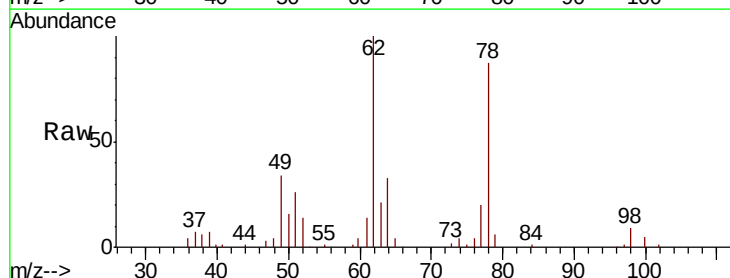
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

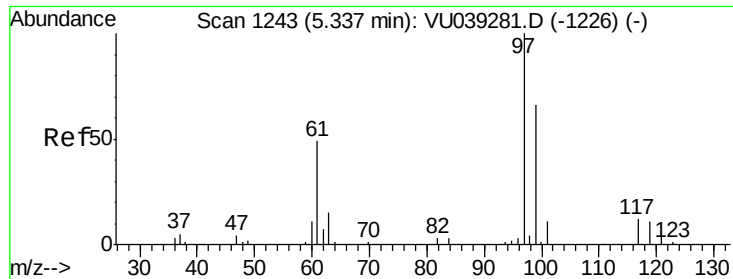
Tot Ion: 83 Resp: 83896
Ion Ratio Lower Upper
83 100
85 67.5 46.3 86.1



#27
1,2-Dichloroethane
Concen: 4.934 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion: 62 Resp: 60118
Ion Ratio Lower Upper
62 100
98 8.7 6.2 9.4

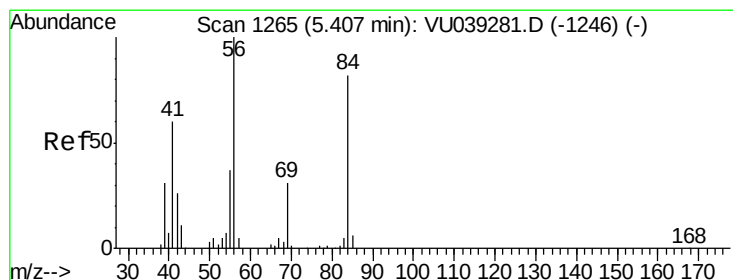
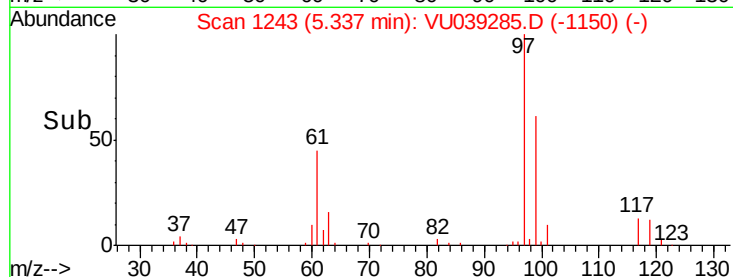
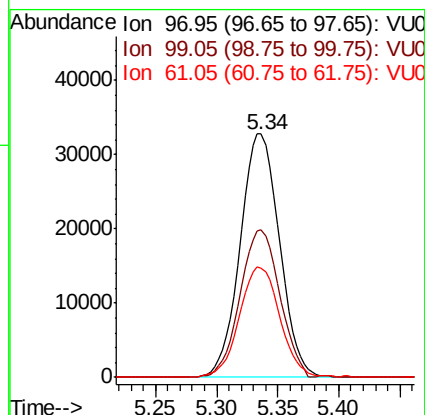
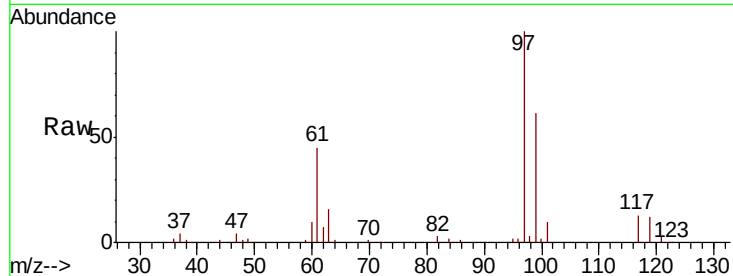




#29
 1,1,1-Trichloroethane
 Concen: 5.123 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

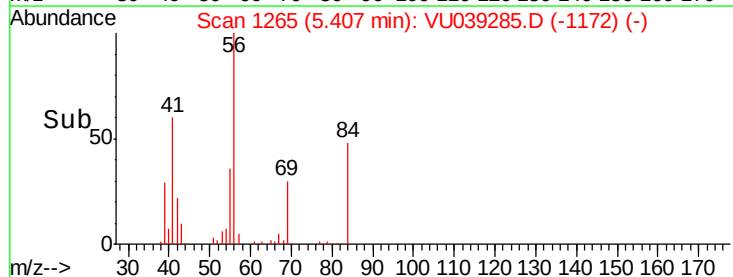
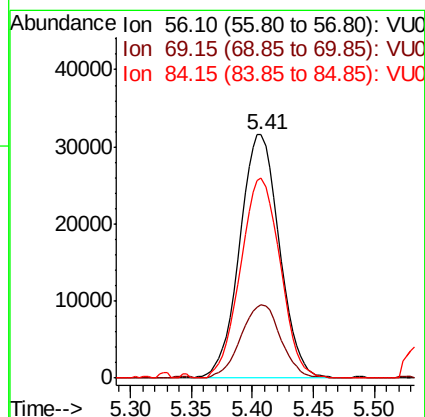
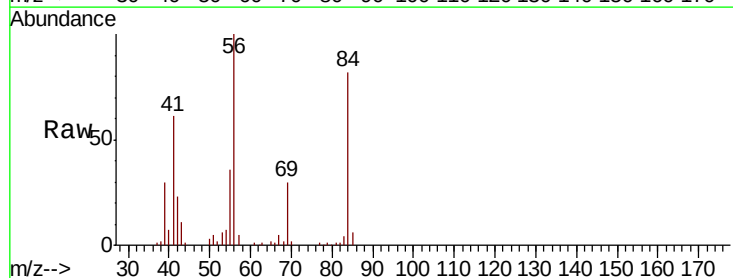
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

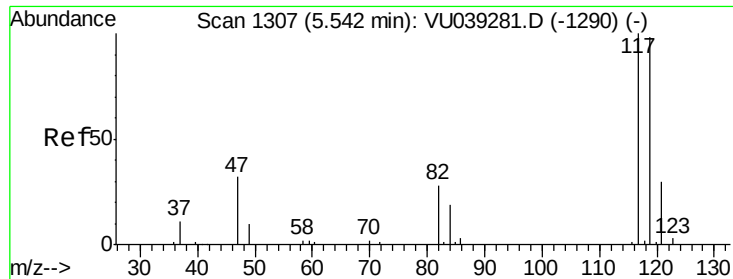
Tot Ion: 97 Resp: 72940
 Ion Ratio Lower Upper
 97 100
 99 61.4 51.1 76.7
 61 46.7 37.9 56.9



#30
 Cyclohexane
 Concen: 4.976 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 56 Resp: 70971
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.2 36.4
 84 82.5 67.0 100.4





#31

Carbon tetrachloride

Concen: 5.038 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

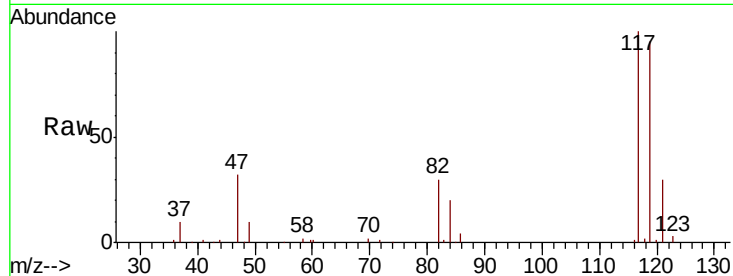
VSTD00527

Tot Ion:117 Resp: 60319

Ion Ratio Lower Upper

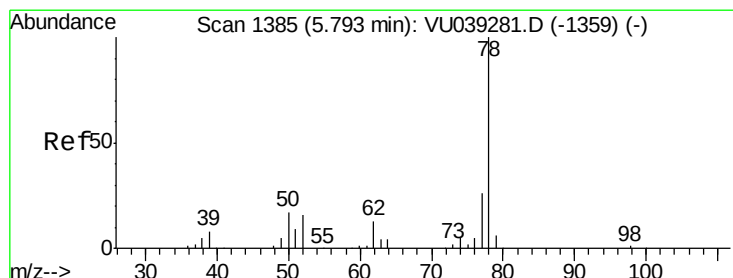
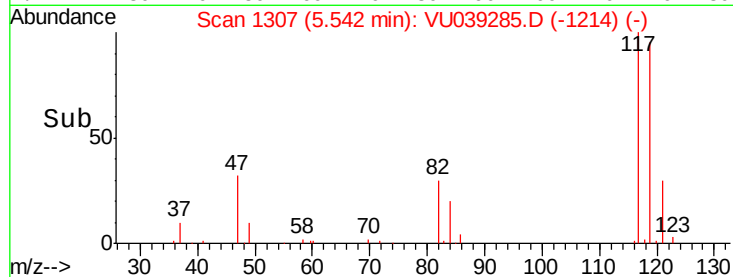
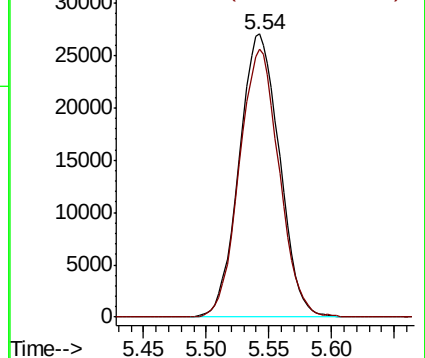
117 100

119 93.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.109 ug/L

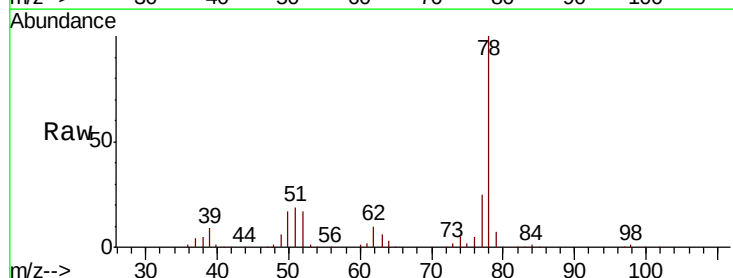
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

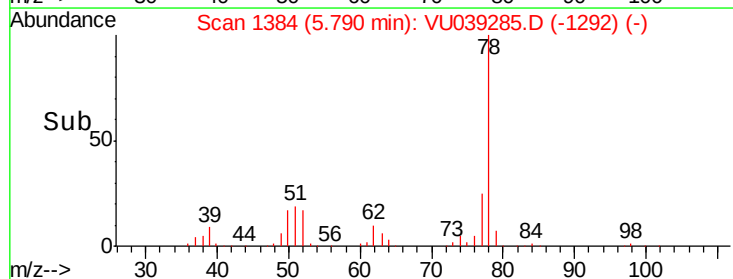
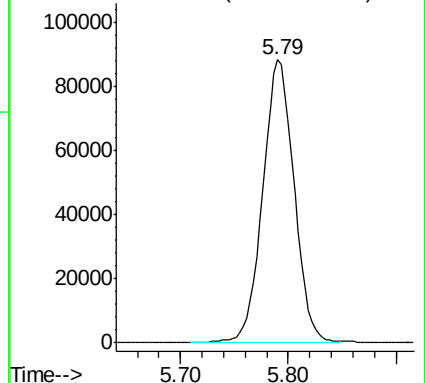
Lab File: VU039285.D

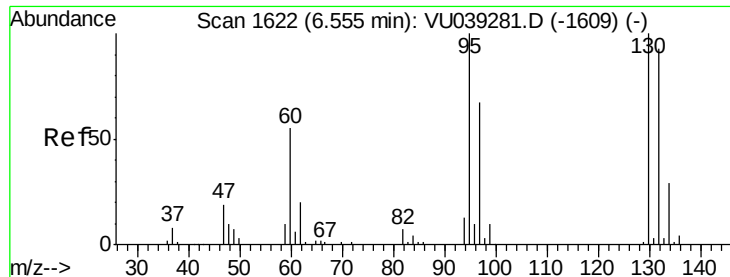
Acq: 06 Jul 2020 12:09

Tgt Ion: 78 Resp: 178527



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.118 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tot Ion: 95 Resp: 46108

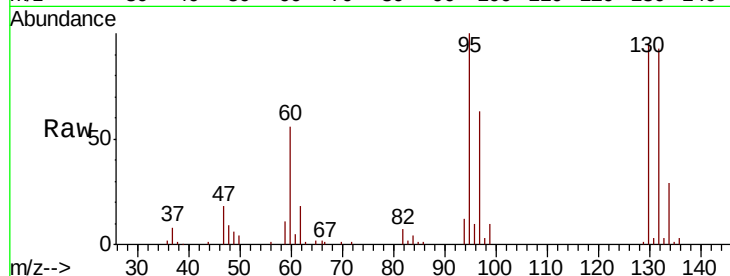
Ion Ratio Lower Upper

95 100

97 63.3 47.0 87.2

132 93.0 65.0 120.8

130 95.1 69.8 129.6

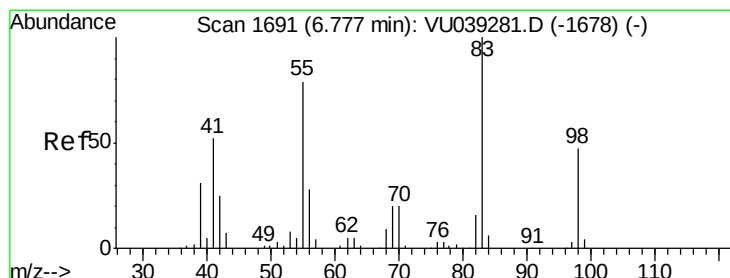
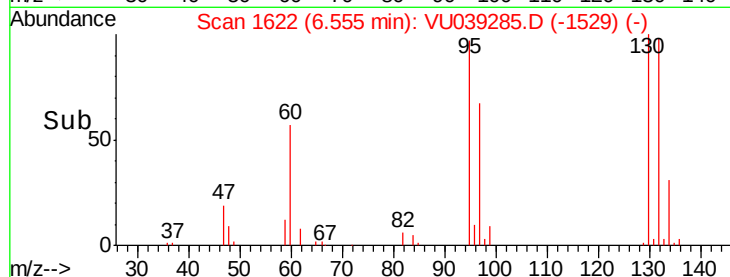
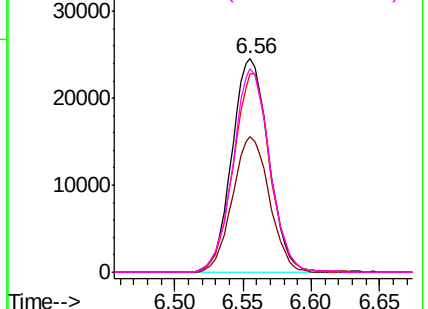


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.963 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

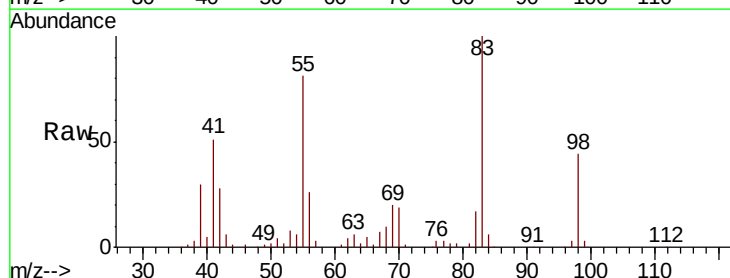
Tgt Ion: 83 Resp: 71594

Ion Ratio Lower Upper

83 100

55 77.9 63.3 94.9

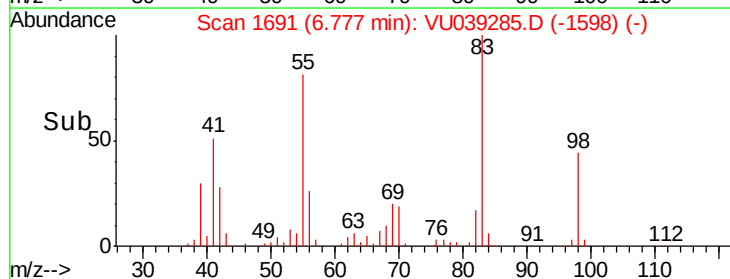
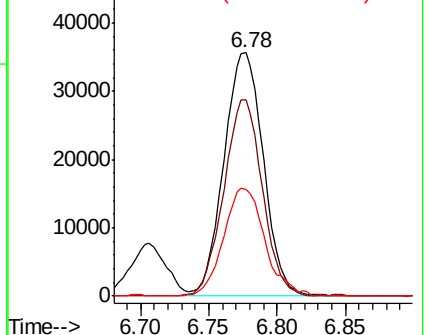
98 46.2 37.4 56.2

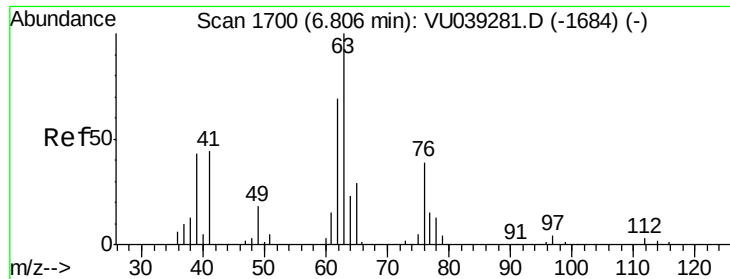


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

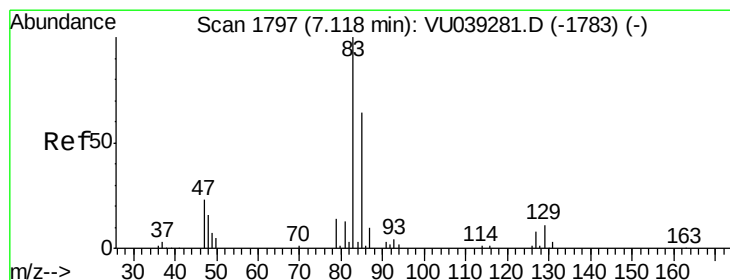
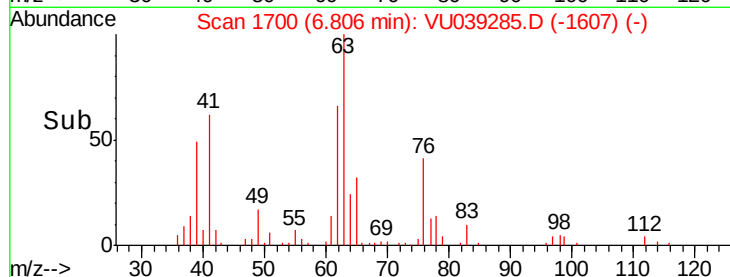
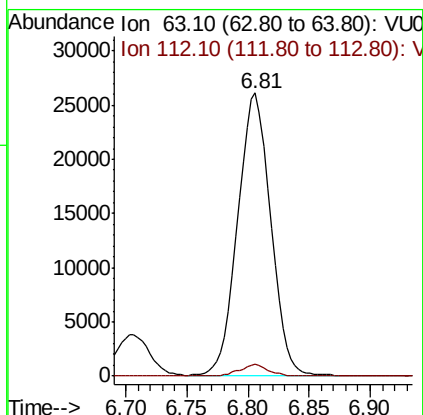
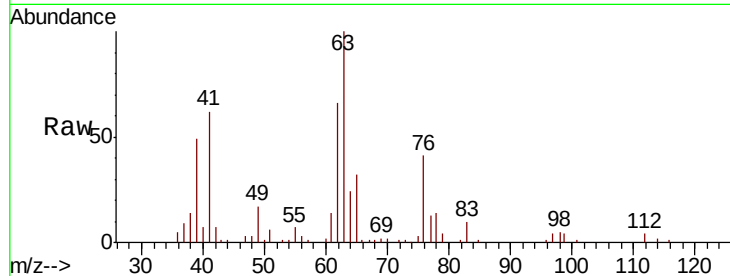




#37
 1,2-Dichloropropane
 Concen: 5.028 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

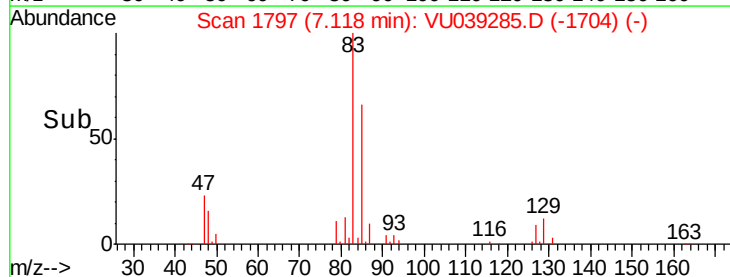
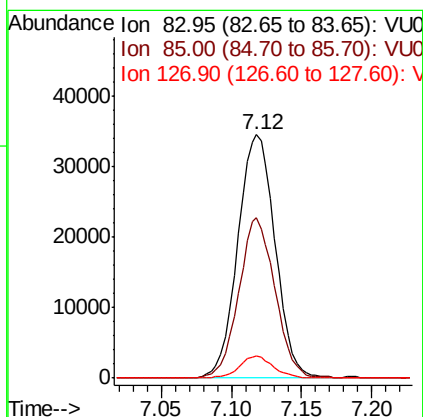
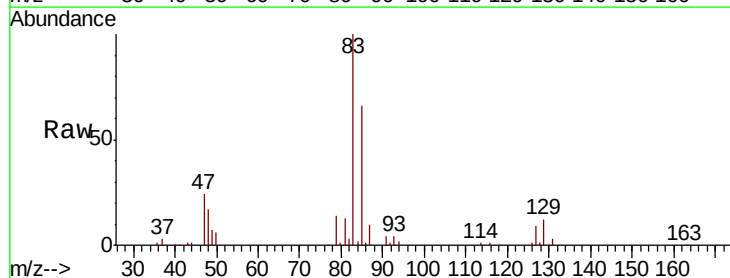
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

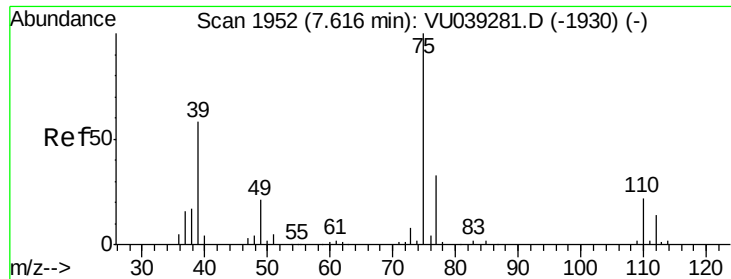
Tot Ion: 63 Resp: 49010
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.6 3.8



#38
 Bromodichloromethane
 Concen: 5.040 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 83 Resp: 64053
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.5 82.7
 127 8.9 6.5 9.7

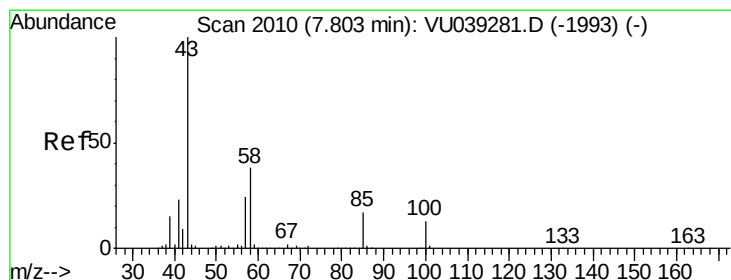
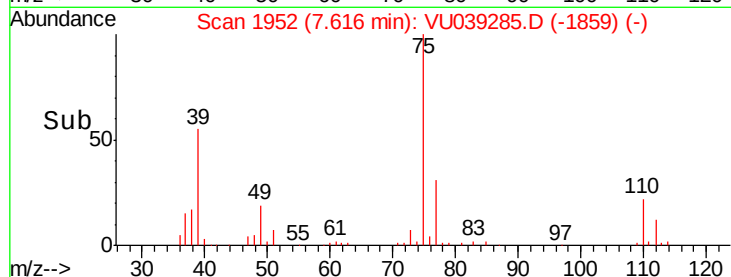
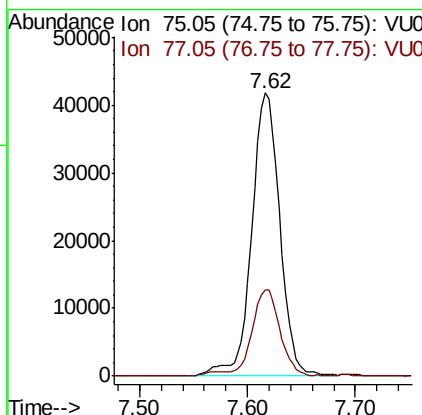
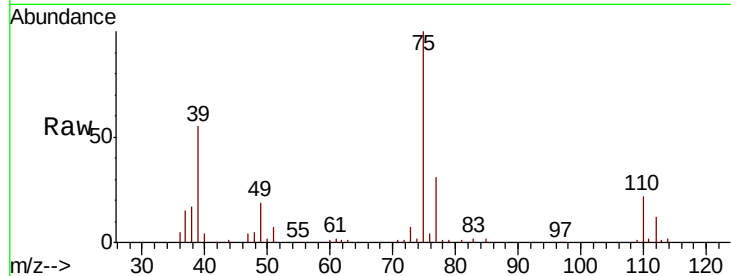




#39
 cis-1,3-Dichloropropene
 Concen: 5.004 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

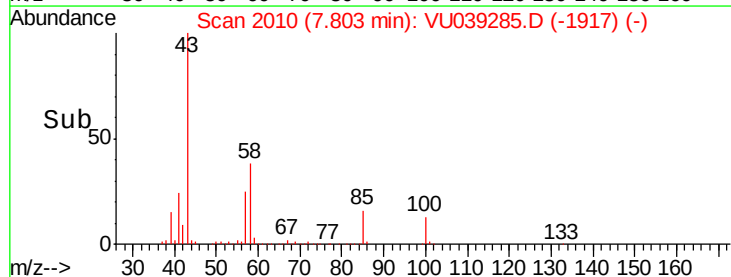
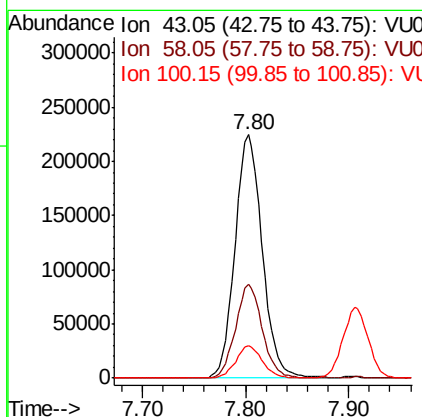
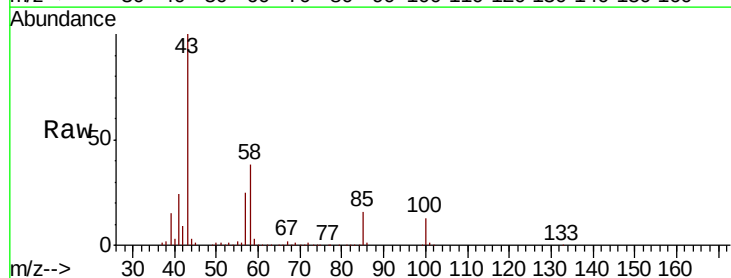
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

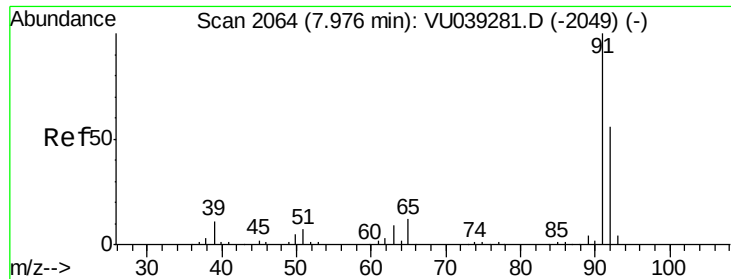
Tot Ion: 75 Resp: 75825
 Ion Ratio Lower Upper
 75 100
 77 30.6 23.3 43.3



#40
 4-Methyl-2-pentanone
 Concen: 50.257 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 43 Resp: 414608
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.3 45.5
 100 13.1 10.6 15.8





#42

Toluene

Concen: 4.964 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

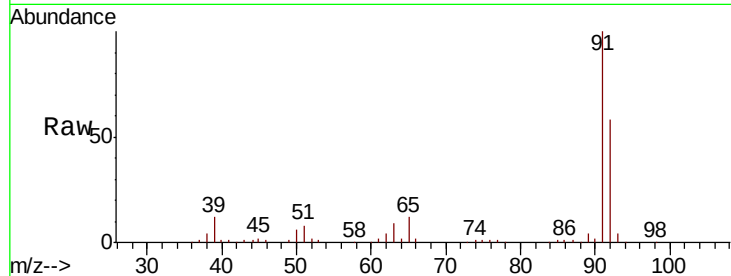
VSTD00527

Tot Ion: 91 Resp: 188802

Ion Ratio Lower Upper

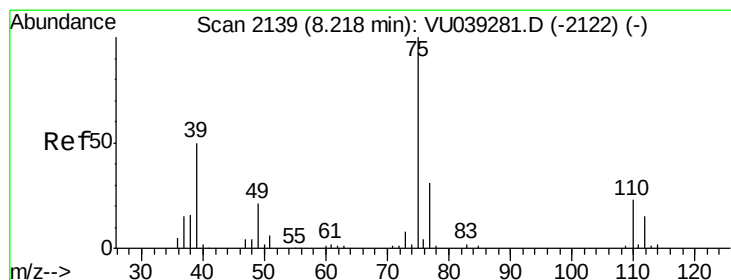
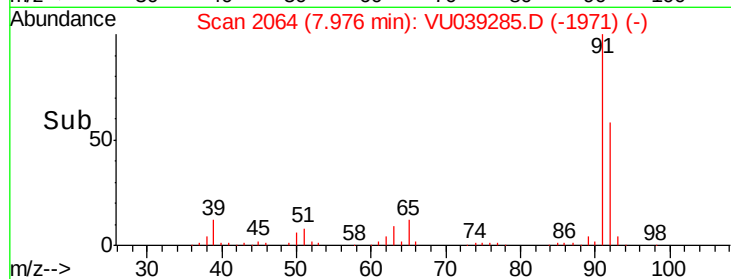
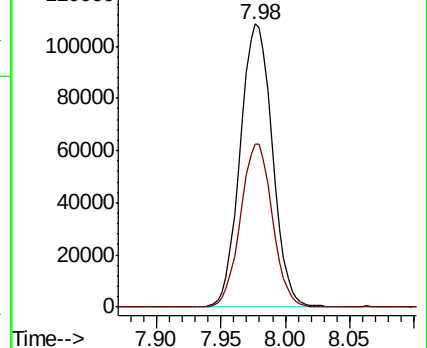
91 100

92 57.7 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039285.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU039285.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.065 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039285.D

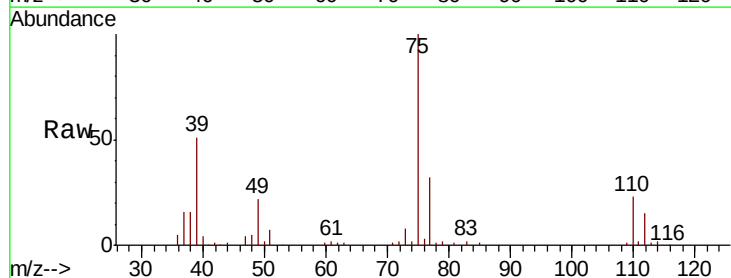
Acq: 06 Jul 2020 12:09

Tgt Ion: 75 Resp: 69119

Ion Ratio Lower Upper

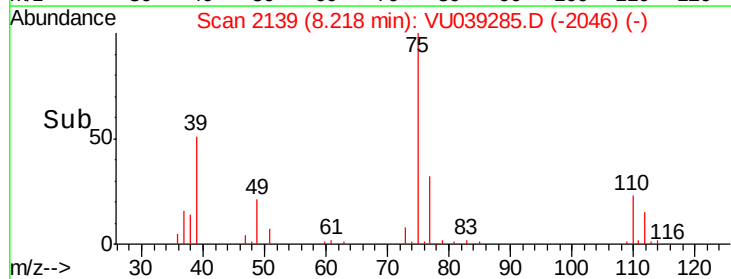
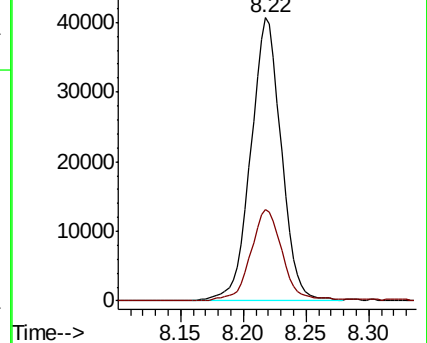
75 100

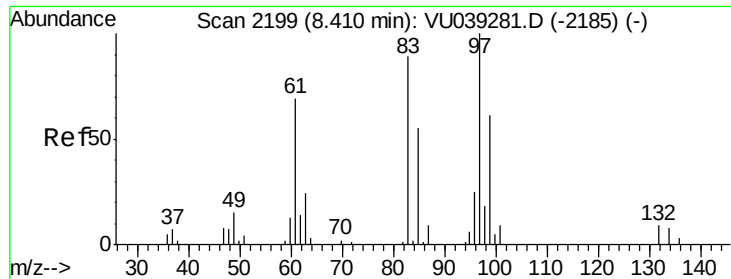
77 32.4 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039285.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039285.D (-2046) (-)

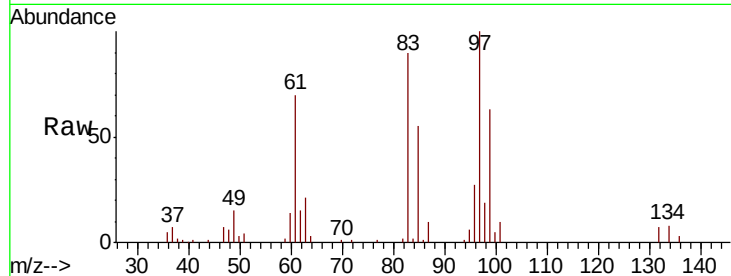




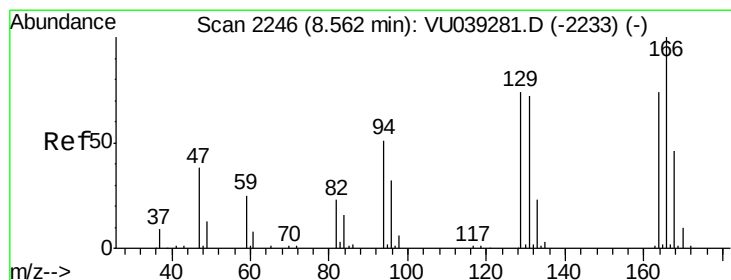
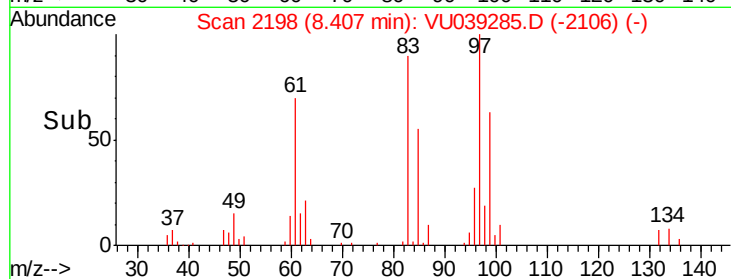
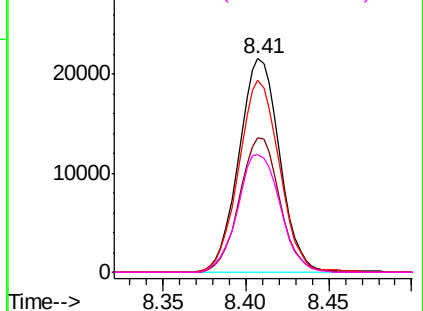
#45
 1,1,2-Trichloroethane
 Concen: 5.093 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:	97	Resp:	36926
Ion	Ratio	Lower	Upper
97	100		
99	63.2	42.5	78.9
83	90.0	62.2	115.4
85	55.2	38.7	71.9

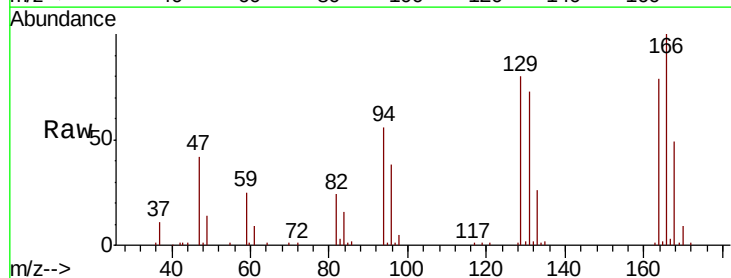


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

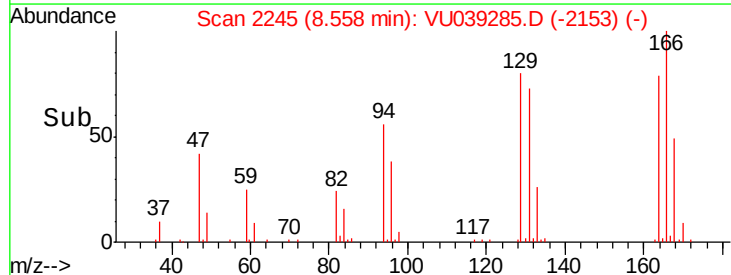
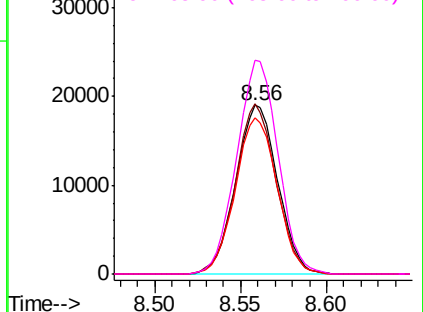


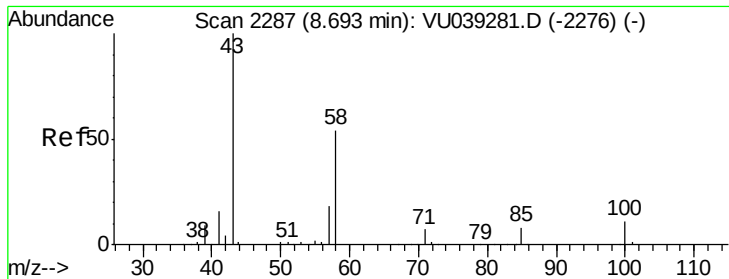
#47
 Tetrachloroethene
 Concen: 5.062 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion:	164	Resp:	32052
Ion	Ratio	Lower	Upper
164	100		
129	100.7	70.5	130.9
131	92.3	68.7	127.5
166	126.4	94.9	176.3



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

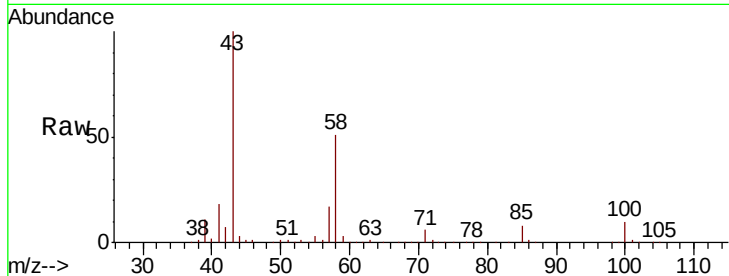




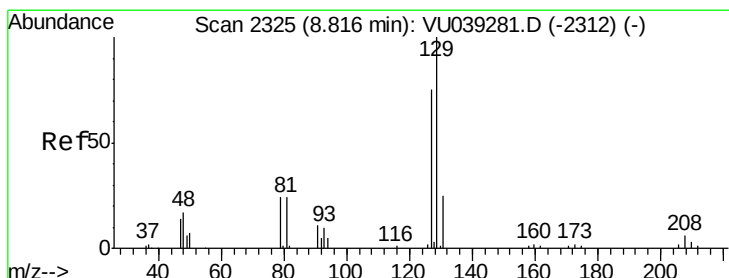
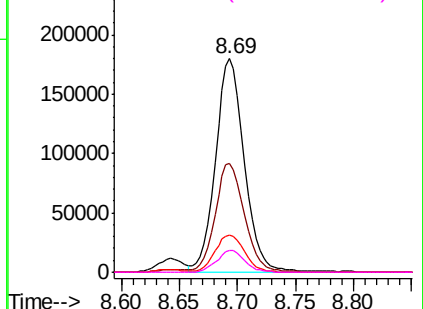
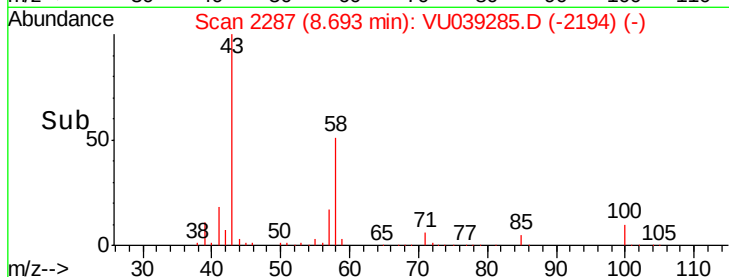
#48
2-Hexanone
Concen: 50.324 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion: 43 Resp: 308750
Ion Ratio Lower Upper
43 100
58 52.1 43.1 64.7
57 17.9 14.4 21.6
100 9.9 8.3 12.5

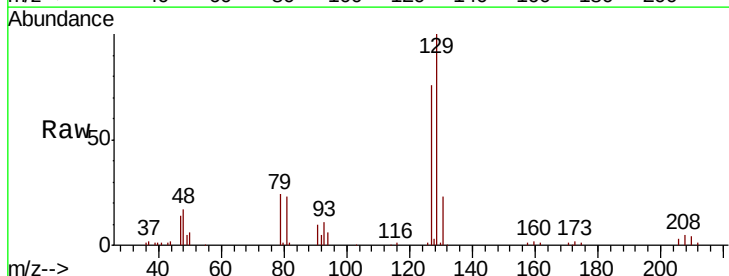


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

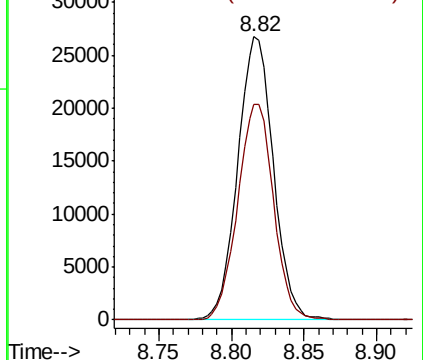
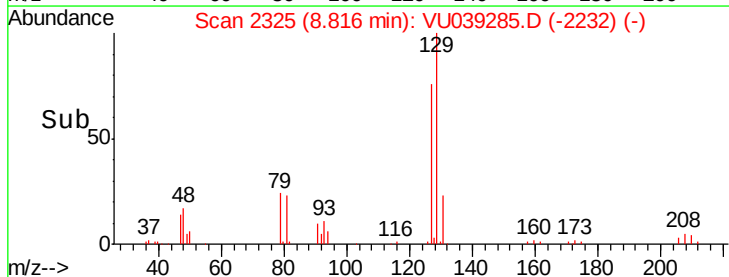


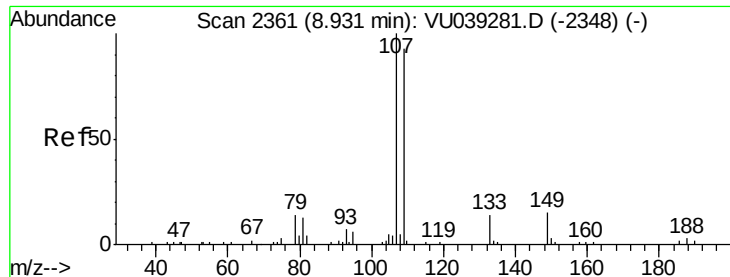
#49
Dibromochloromethane
Concen: 5.025 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion: 129 Resp: 45747
Ion Ratio Lower Upper
129 100
127 76.3 52.6 97.8



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

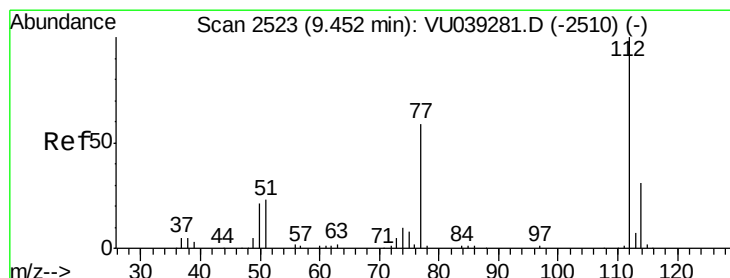
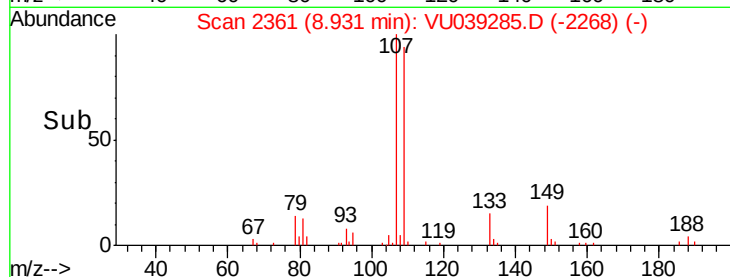
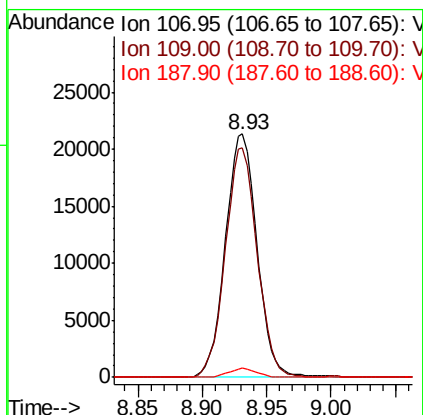
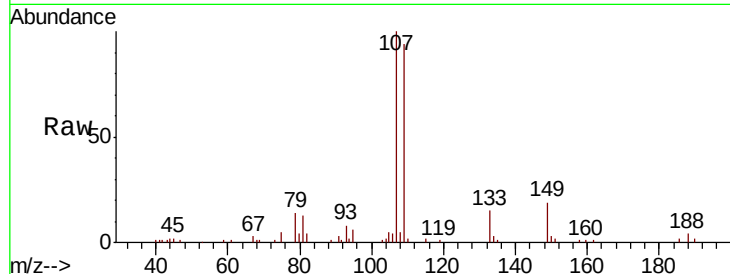




#50
1,2-Dibromoethane
Concen: 4.989 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

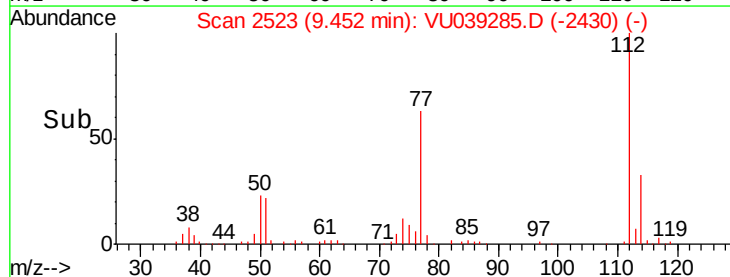
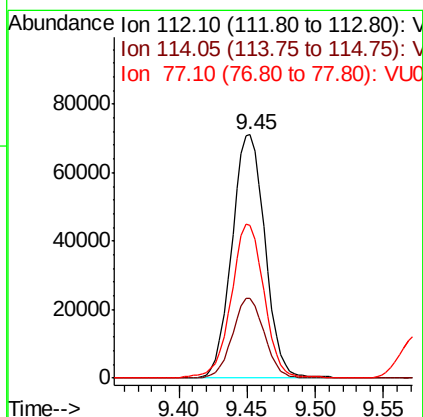
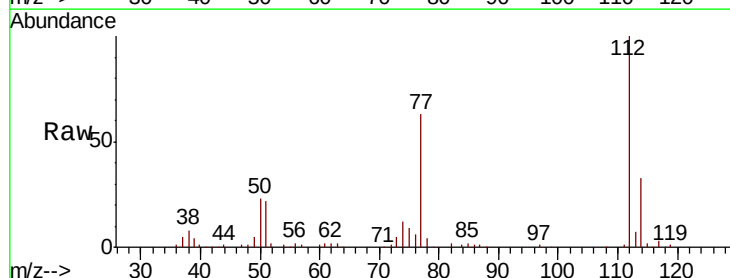
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

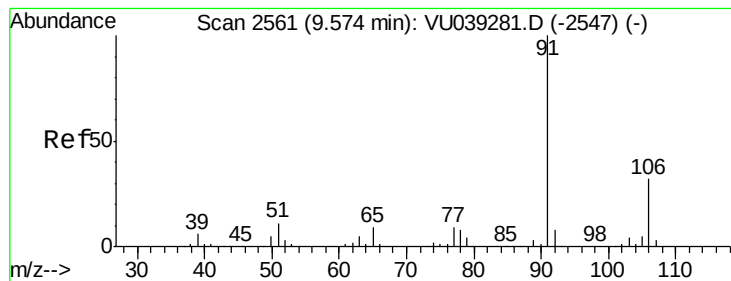
Tot Ion:107 Resp: 36367
Ion Ratio Lower Upper
107 100
109 94.2 64.8 120.4
188 3.8 2.7 4.1



#51
Chlorobenzene
Concen: 5.102 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion:112 Resp: 119989
Ion Ratio Lower Upper
112 100
114 32.9 21.9 40.7
77 62.9 48.2 72.4





#52

Ethylbenzene

Concen: 4.941 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleID :

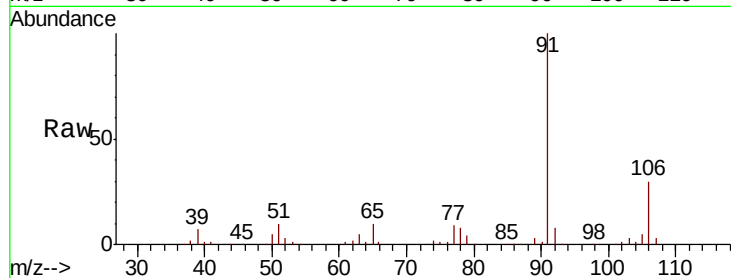
VSTD00527

Tot Ion: 91 Resp: 209153

Ion Ratio Lower Upper

91 100

106 29.8 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU039285.D (-2547) (-)

Ion 106.15 (105.85 to 106.85): VU039285.D (-2468) (-)

150000

100000

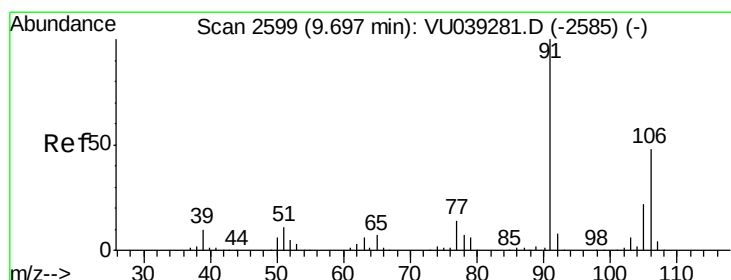
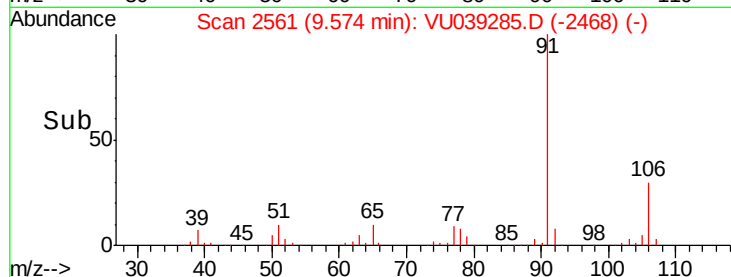
50000

0

9.57

9.50 9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 4.926 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039285.D

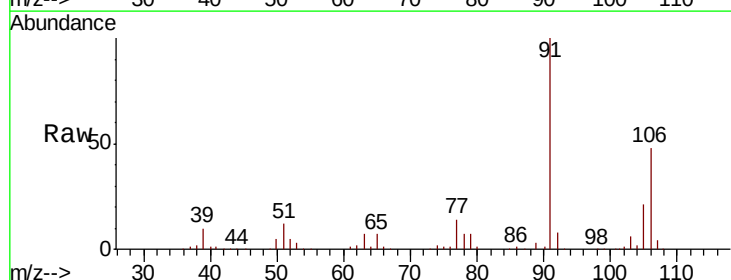
Acq: 06 Jul 2020 12:09

Tgt Ion: 106 Resp: 78663

Ion Ratio Lower Upper

106 100

91 210.1 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039285.D (-2506) (-)

Ion 91.15 (90.85 to 91.85): VU039285.D (-2585) (-)

120000

100000

80000

60000

40000

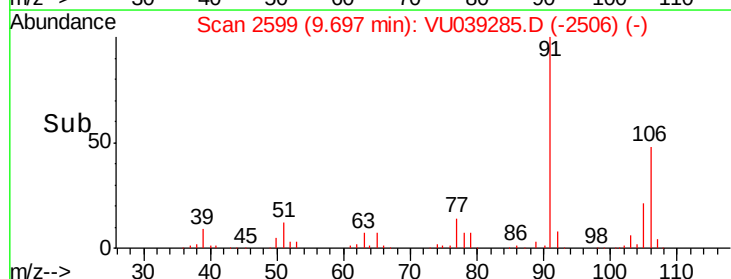
20000

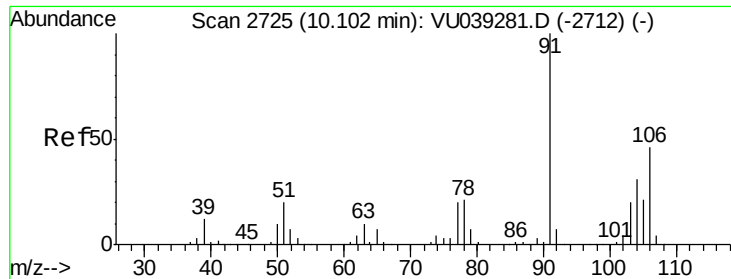
0

9.70

9.65 9.70 9.75 9.80

Time-->

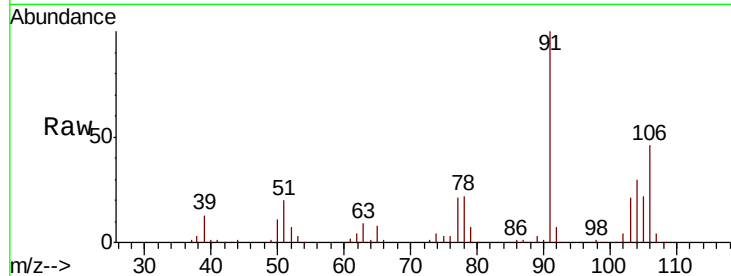




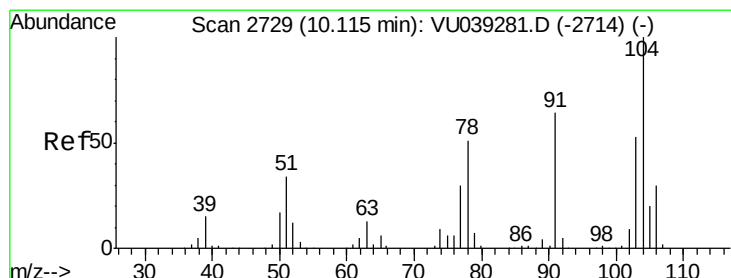
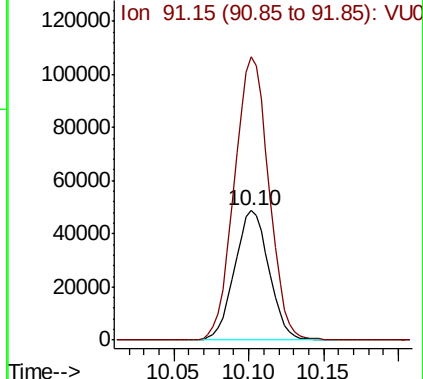
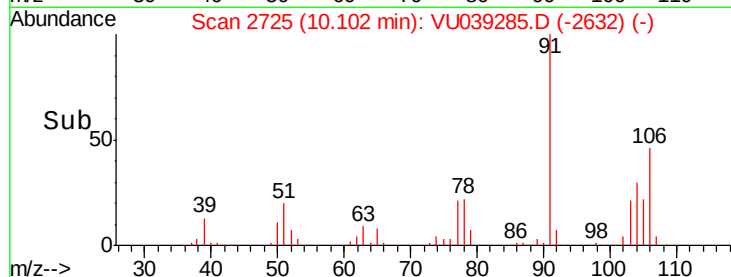
#54
o-Xylene
Concen: 4.932 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tot Ion:106 Resp: 78068
Ion Ratio Lower Upper
106 100
91 218.3 153.6 285.3

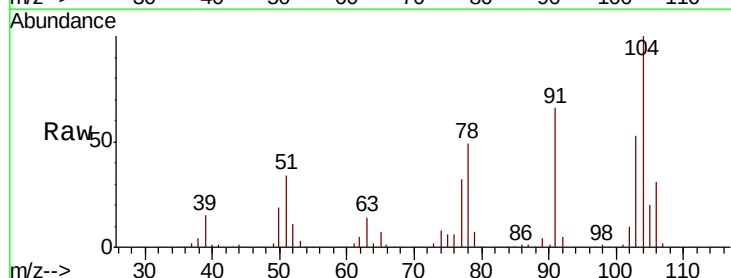


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

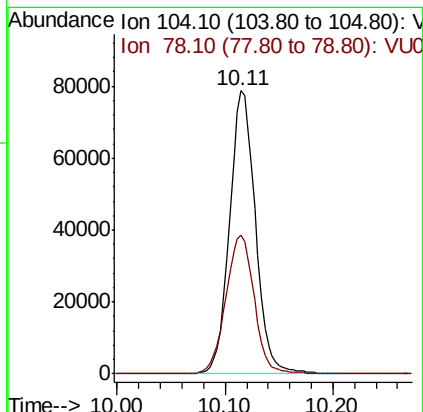
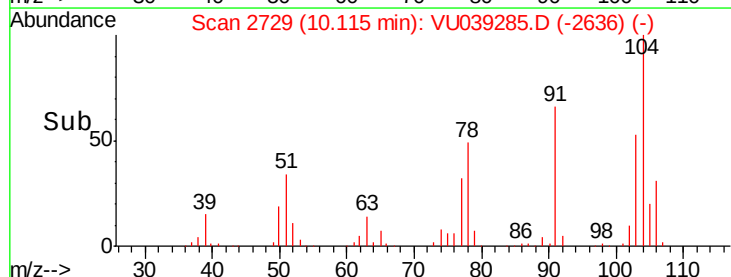


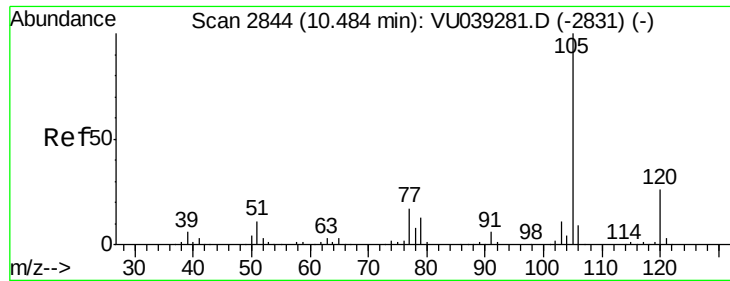
#55
Styrene
Concen: 4.774 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039285.D
Acq: 06 Jul 2020 12:09

Tgt Ion:104 Resp: 132116
Ion Ratio Lower Upper
104 100
78 48.8 35.5 65.9



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





#56

Isopropylbenzene

Concen: 4.747 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

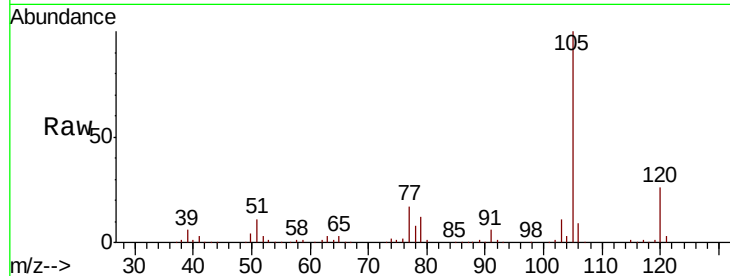
Tot Ion:105 Resp: 203494

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

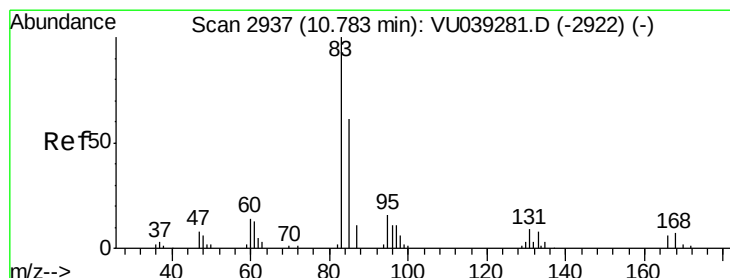
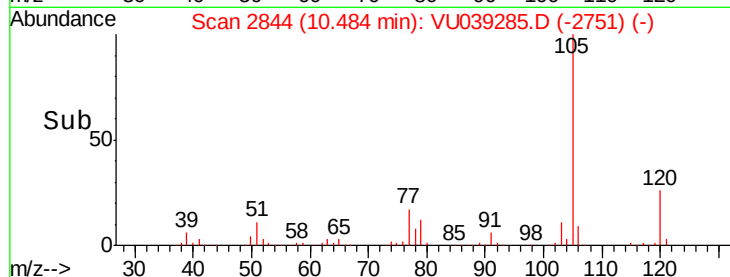
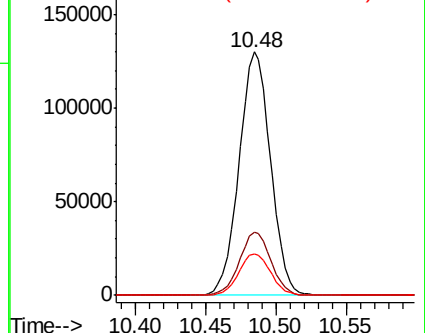
77 17.3 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.817 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

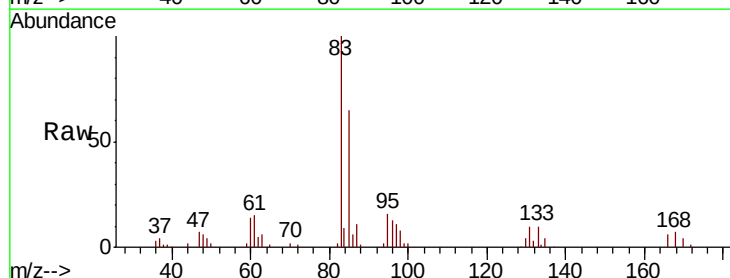
Tgt Ion: 83 Resp: 49331

Ion Ratio Lower Upper

83 100

85 64.8 43.0 79.8

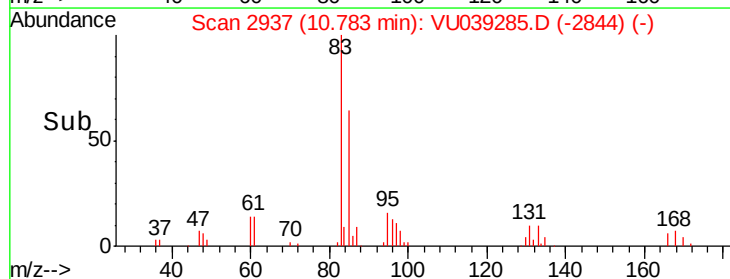
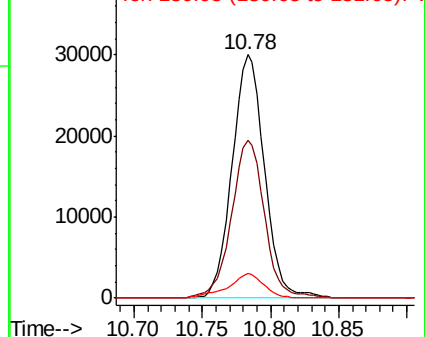
131 10.2 7.4 11.2

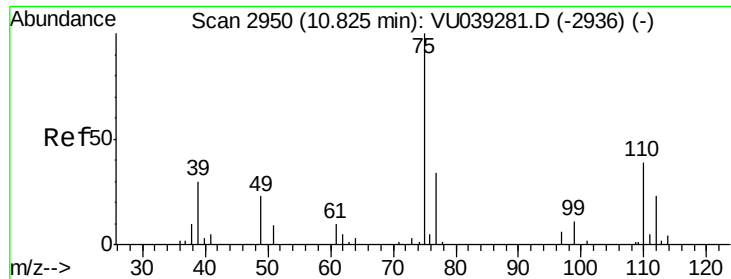


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

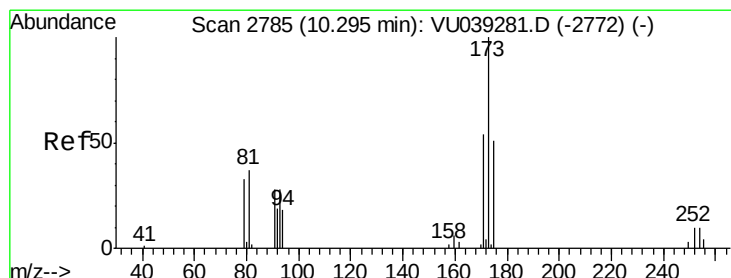
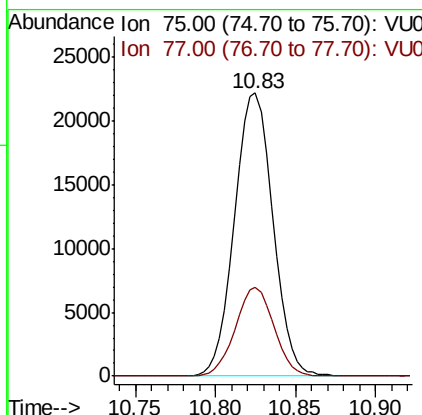
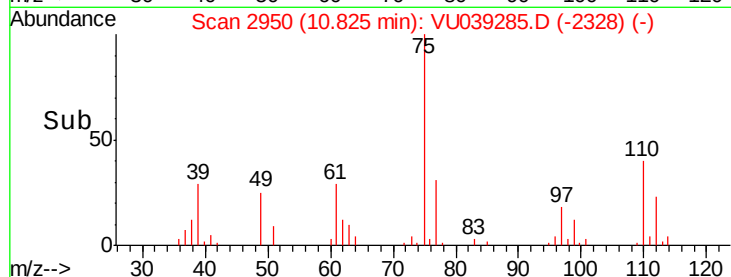
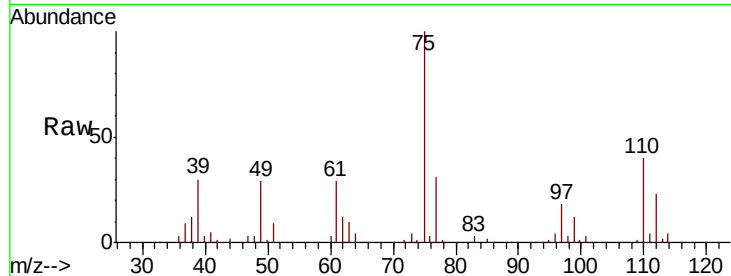




#59
 1,2,3-Trichloropropane
 Concen: 4.965 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

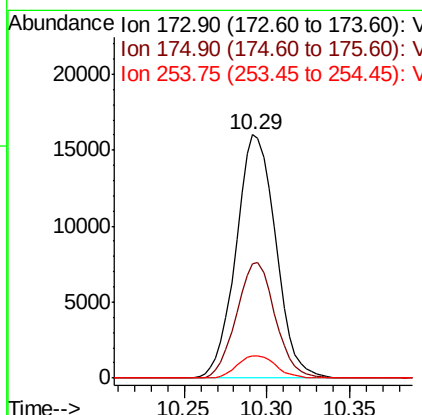
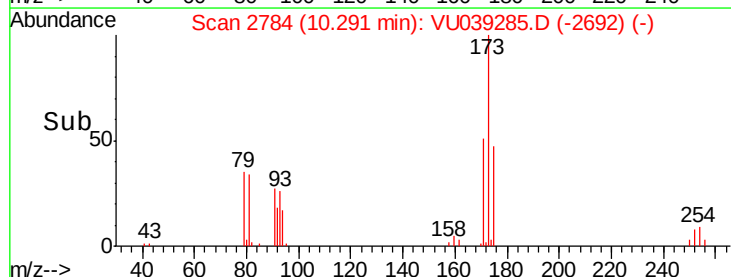
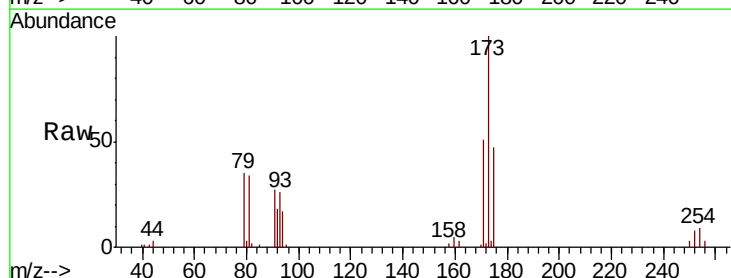
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

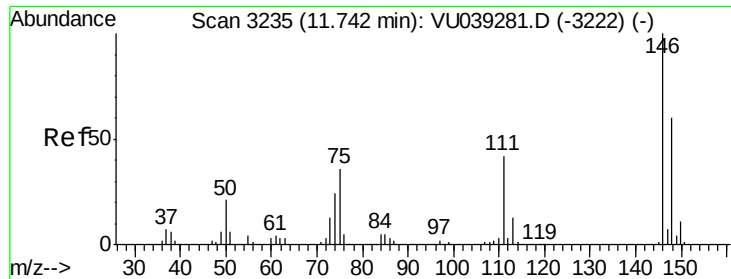
Tot Ion: 75 Resp: 36370
 Ion Ratio Lower Upper
 75 100
 77 31.3 27.7 41.5



#61
 Bromoform
 Concen: 4.974 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 173 Resp: 26714
 Ion Ratio Lower Upper
 173 100
 175 46.2 39.3 58.9
 254 9.0 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 4.958 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

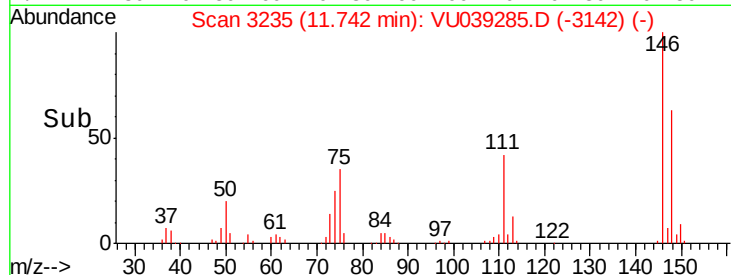
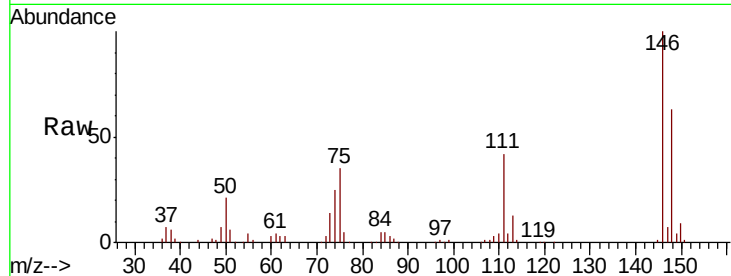
Tot Ion:146 Resp: 93850

Ion Ratio Lower Upper

146 100

111 42.5 29.4 54.6

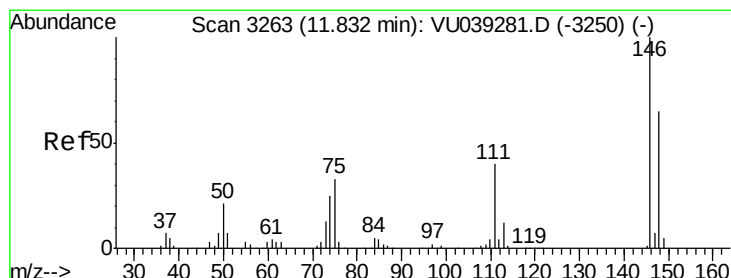
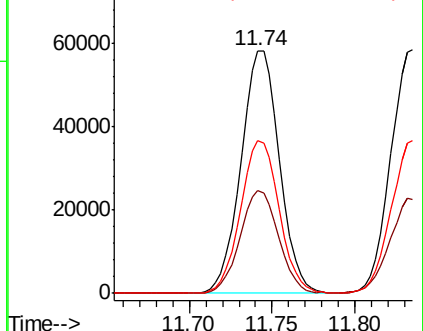
148 63.0 42.0 78.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.103 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

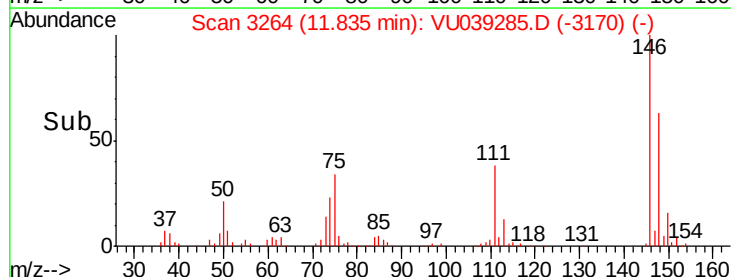
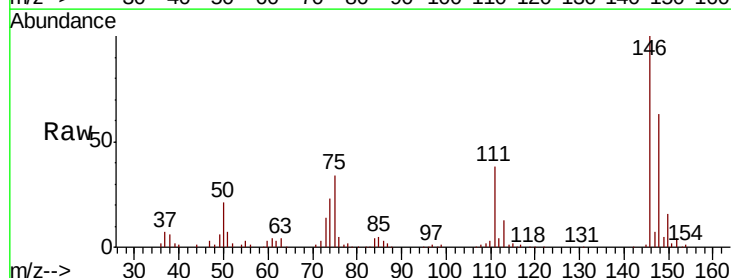
Tgt Ion:146 Resp: 94873

Ion Ratio Lower Upper

146 100

111 38.5 28.3 52.5

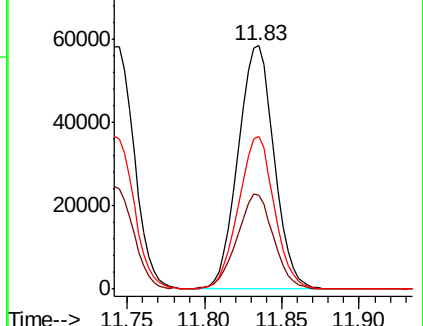
148 62.9 45.8 85.2

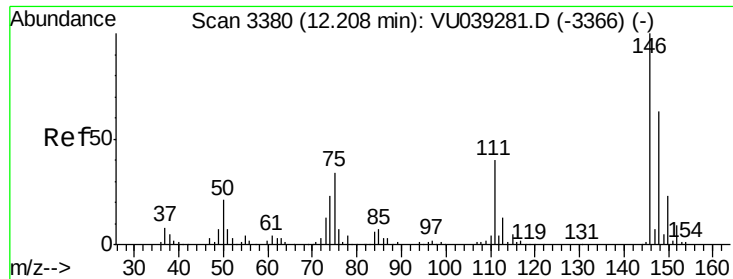


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

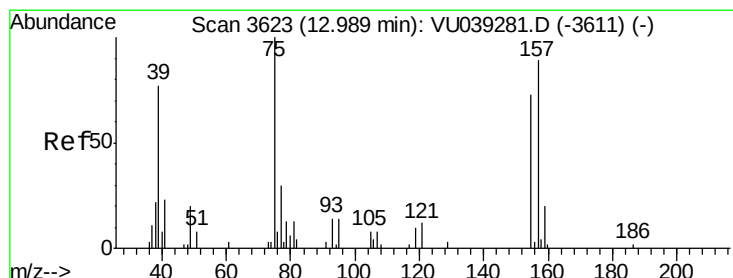
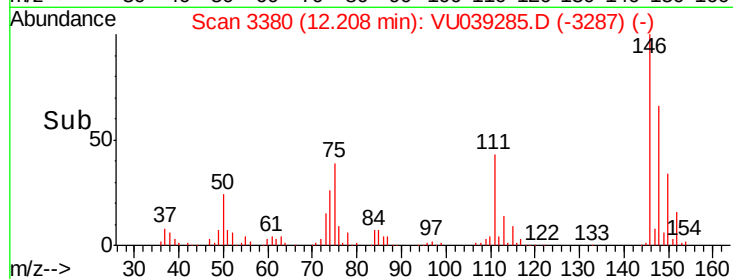
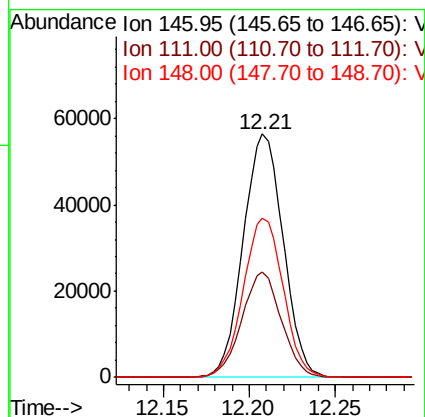
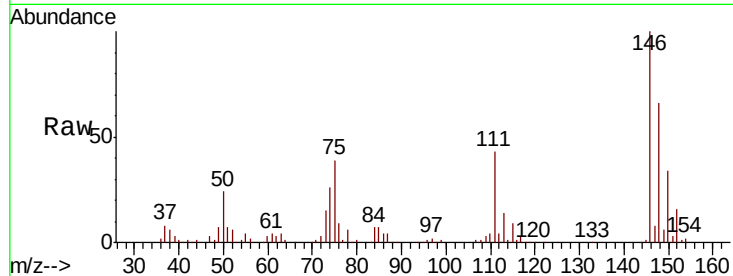




#65
 1,2-Dichlorobenzene
 Concen: 4.919 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

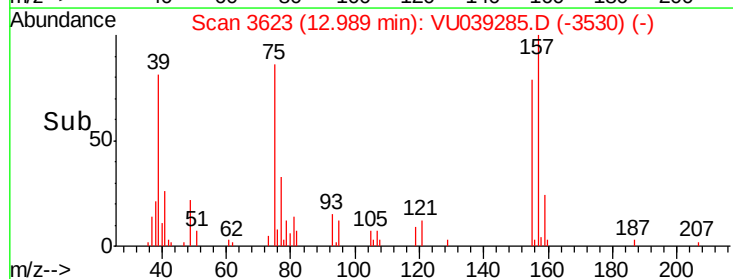
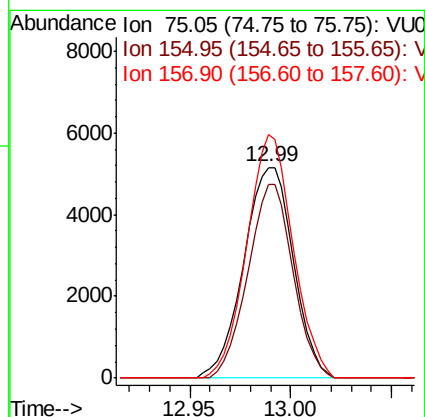
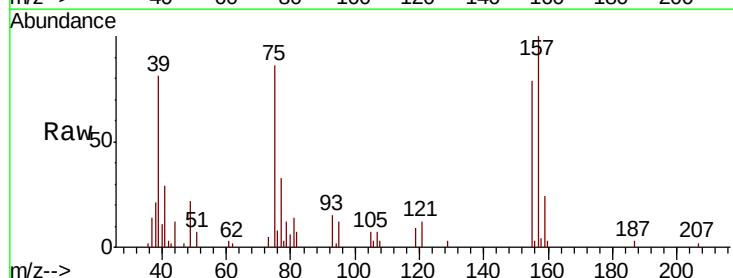
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

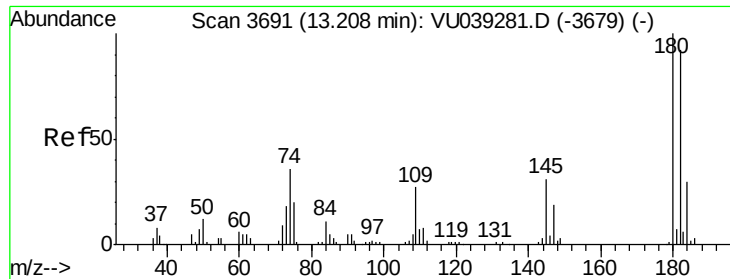
Tot Ion:146 Resp: 91208
 Ion Ratio Lower Upper
 146 100
 111 43.3 31.9 47.9
 148 65.5 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.802 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion: 75 Resp: 8882
 Ion Ratio Lower Upper
 75 100
 155 91.9 58.6 88.0#
 157 115.7 71.4 107.0#

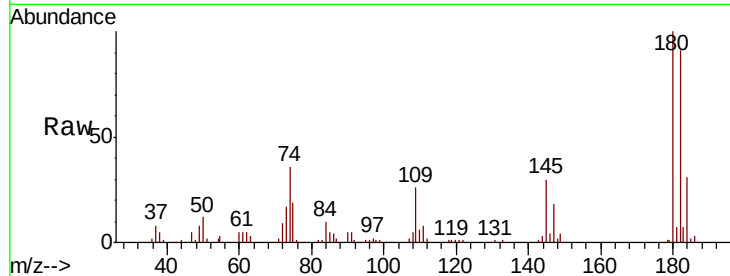




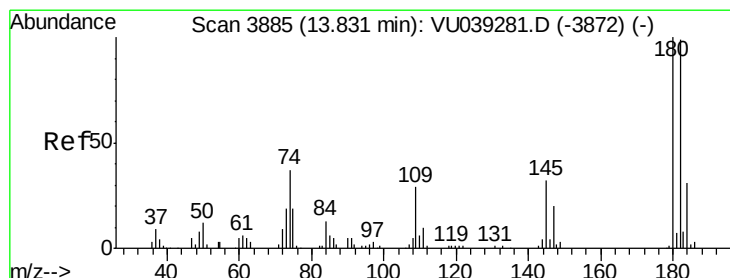
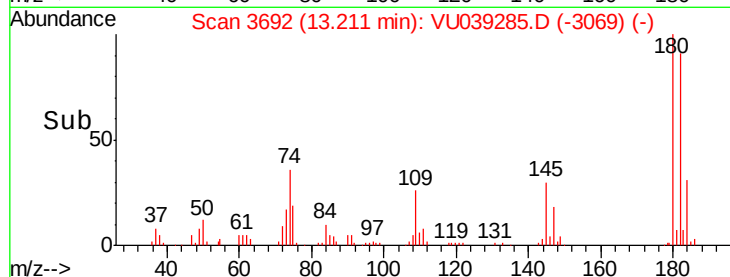
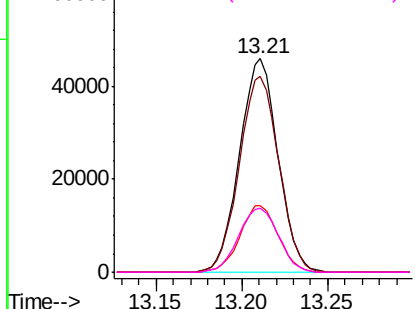
#67
 1,3,5-Trichlorobenzene
 Concen: 5.121 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tot Ion:180 Resp: 71223
 Ion Ratio Lower Upper
 180 100
 182 94.2 74.7 112.1
 184 31.0 23.7 35.5
 145 31.2 24.2 36.4

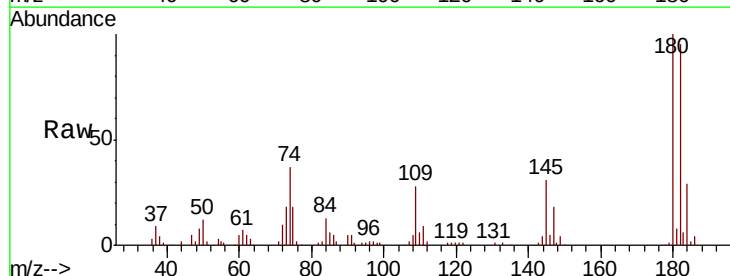


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

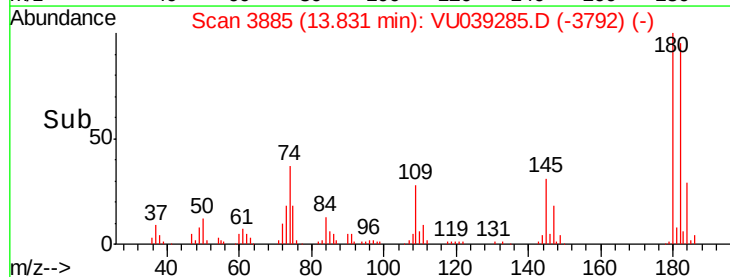
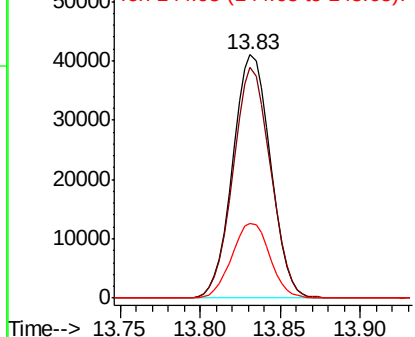


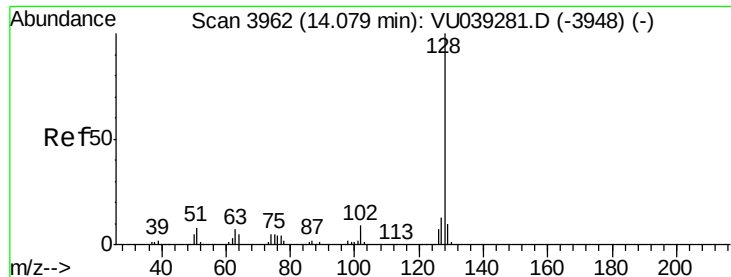
#68
 1,2,4-trichlorobenzene
 Concen: 5.475 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039285.D
 Acq: 06 Jul 2020 12:09

Tgt Ion:180 Resp: 65842
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.6 116.4
 145 31.1 24.7 37.1



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: 5.679 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

Instrument :

MSVOA_U

ClientSampled :

VSTD00527

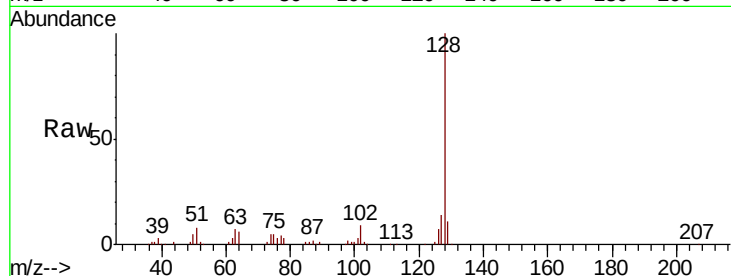
Tot Ion:128 Resp: 130940

Ion Ratio Lower Upper

128 100

129 10.7 8.3 12.5

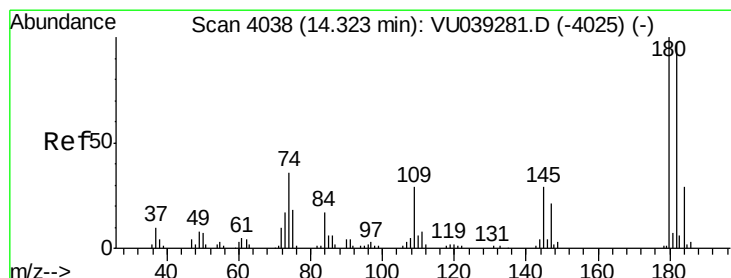
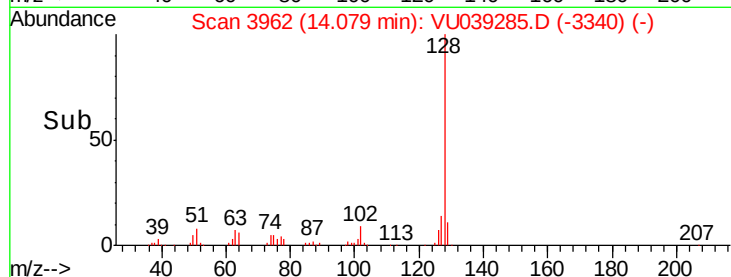
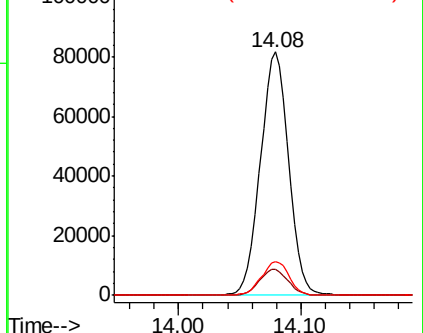
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.441 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039285.D

Acq: 06 Jul 2020 12:09

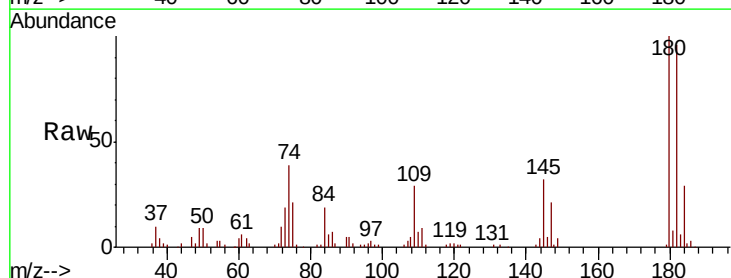
Tgt Ion:180 Resp: 59668

Ion Ratio Lower Upper

180 100

182 95.4 77.8 116.6

145 32.6 25.7 38.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

