

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039128.D
 Acq On : 25 Jun 2020 20:46
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Quant Time: Jun 26 01:04:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 00:59:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	271057	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	268999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	135875	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75177	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.93	69	70013	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.59	63	163468	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	4.67	46	376286	52.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.06%
24) Chloroform-d	5.10	84	184672	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	107303	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	5.76	84	327771	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.72	67	111927	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	7.92	98	273595	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	8.20	79	48744	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.65	63	298410	53.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.14%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108460	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	109290	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	118082	4.868	ug/L 99
3) Chloromethane	1.53	50	121455	4.652	ug/L 96
5) Vinyl chloride	1.62	62	129404	4.915	ug/L 99
6) Bromomethane	1.87	94	64066	4.519	ug/L 97
8) Chloroethane	1.95	64	79230	4.993	ug/L 96
9) Trichlorofluoromethane	2.16	101	169811	5.038	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	97755	4.982	ug/L 98
12) 1,1-Dichloroethene	2.61	96	93455	4.978	ug/L 94
13) Acetone	2.67	43	218128	44.840	ug/L 99
14) Carbon disulfide	2.82	76	294086	4.699	ug/L 99
15) Methyl Acetate	2.98	43	54464	4.716	ug/L 97
16) Methylene chloride	3.08	84	108345	4.678	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	257384	4.816	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	96977	4.828	ug/L 97
19) 1,1-Dichloroethane	3.91	63	194235	4.864	ug/L 97
21) 2-Butanone	4.75	43	369298	49.932	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	103925	4.794	ug/L 95

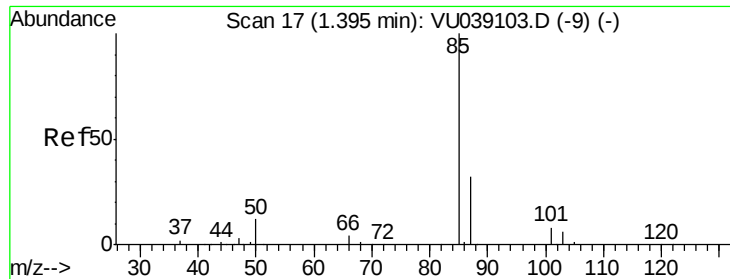
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039128.D
 Acq On : 25 Jun 2020 20:46
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 26 01:04:00 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 00:59:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	49225	4.935	ug/L	98
25) Chloroform	5.12	83	193687	4.828	ug/L	96
27) 1,2-Dichloroethane	5.83	62	139260	4.871	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	168131	5.008	ug/L	99
30) Cyclohexane	5.42	56	159664	5.112	ug/L	98
31) Carbon tetrachloride	5.56	117	142524	5.098	ug/L	100
33) Benzene	5.81	78	417066	4.935	ug/L	100
34) Trichloroethene	6.57	95	105282	5.150	ug/L	94
35) Methylcyclohexane	6.79	83	149668	4.934	ug/L	97
37) 1,2-Dichloropropane	6.82	63	114134	4.985	ug/L	99
38) Bromodichloromethane	7.13	83	144890	5.075	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	156940	4.945	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	863893	50.549	ug/L	100
42) Toluene	7.99	91	428568	5.108	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	148160	4.989	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	83901	4.930	ug/L	94
47) Tetrachloroethene	8.57	164	73399	4.981	ug/L	94
48) 2-Hexanone	8.71	43	653677	52.174	ug/L	99
49) Dibromochloromethane	8.83	129	93863	5.072	ug/L	96
50) 1,2-Dibromoethane	8.94	107	78311	4.867	ug/L #	99
51) Chlorobenzene	9.47	112	262274	4.966	ug/L	99
52) Ethylbenzene	9.59	91	450257	5.106	ug/L	100
53) m,p-Xylene	9.71	106	172432	5.318	ug/L	99
54) o-Xylene	10.12	106	163685	5.255	ug/L	97
55) Styrene	10.13	104	291023	5.320	ug/L	97
56) Isopropylbenzene	10.50	105	430055	5.269	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	108407	4.764	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	83289	4.825	ug/L	98
61) Bromoform	10.31	173	51842	4.671	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	202058	5.001	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	204004	4.903	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	195147	4.817	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	20153	4.510	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	140484	4.698	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	126654	4.650	ug/L	99
69) Naphthalene	14.12	128	255794	4.402	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	122623	4.664	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.868 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

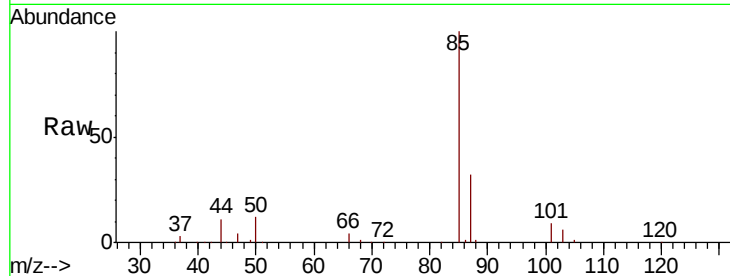
VSTD00517

Tot Ion: 85 Resp: 118082

Ion Ratio Lower Upper

85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039103.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039128.D (-1) (-)

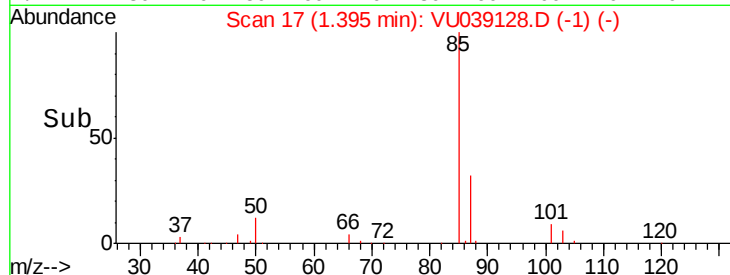
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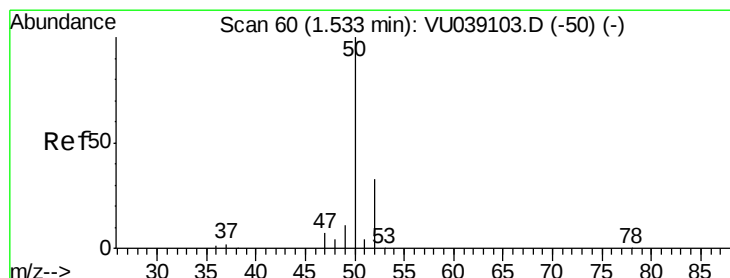
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.652 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039128.D

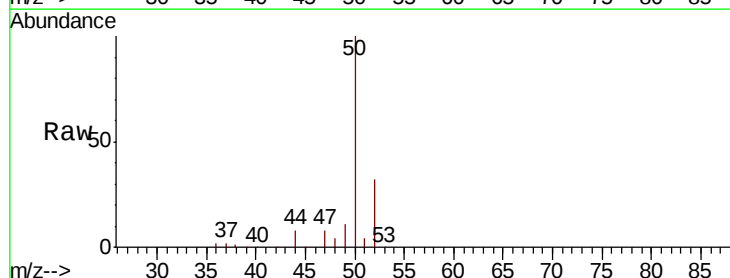
Acq: 25 Jun 2020 20:46

Tgt Ion: 50 Resp: 121455

Ion Ratio Lower Upper

50 100

52 32.5 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039103.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039128.D (-1) (-)

1.53

120000

100000

80000

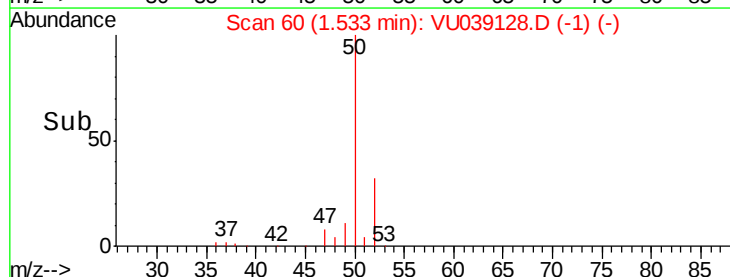
60000

40000

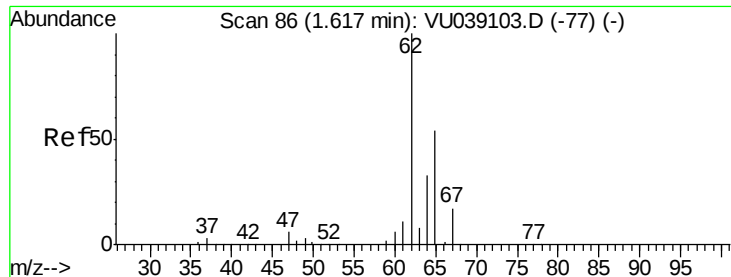
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 4.915 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleID :

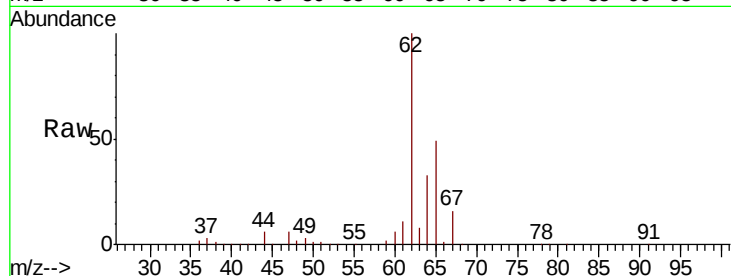
VSTD00517

Tot Ion: 62 Resp: 129404

Ion Ratio Lower Upper

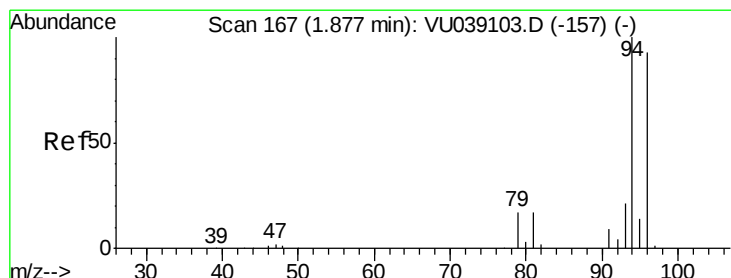
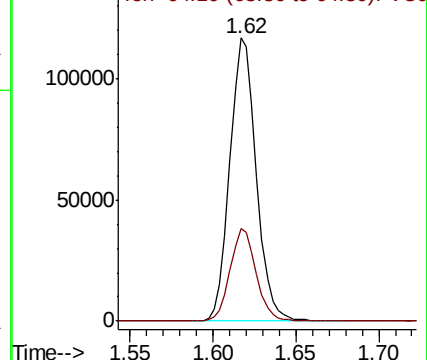
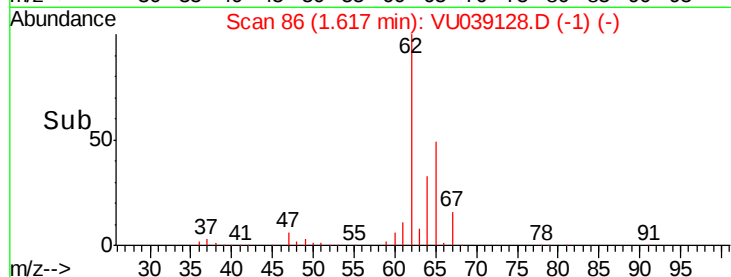
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039128.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039128.D (-1) (-)



#6

Bromomethane

Concen: 4.519 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039128.D

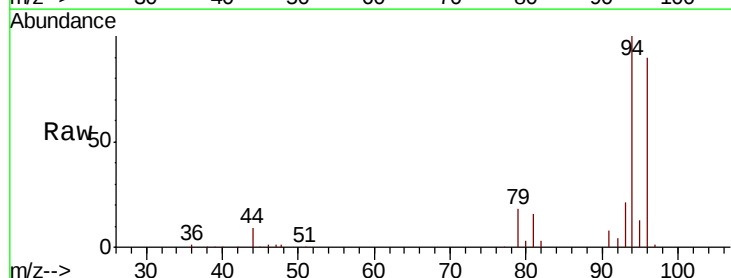
Acq: 25 Jun 2020 20:46

Tgt Ion: 94 Resp: 64066

Ion Ratio Lower Upper

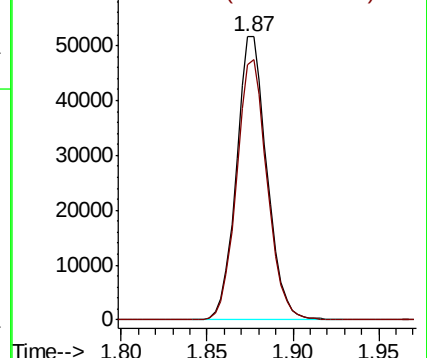
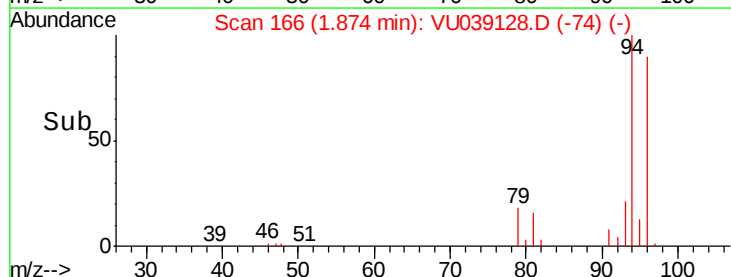
94 100

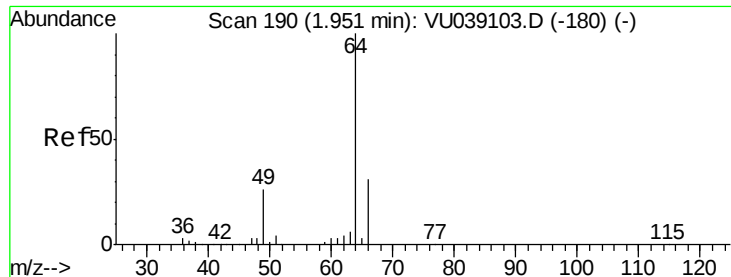
96 90.0 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039128.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU039128.D (-74) (-)





#8

Chloroethane

Concen: 4.993 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

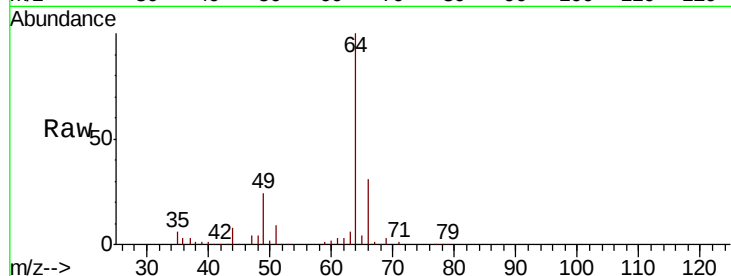
VSTD00517

Tot Ion: 64 Resp: 79230

Ion Ratio Lower Upper

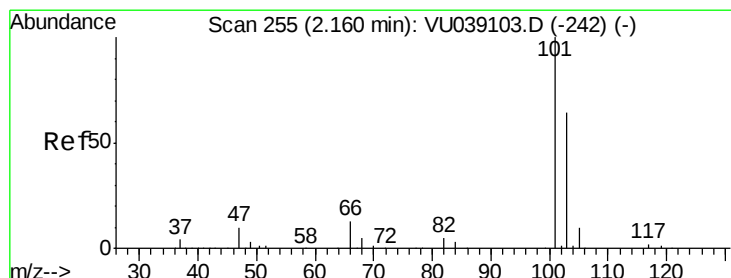
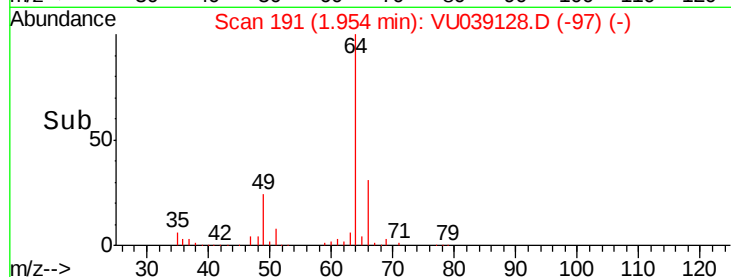
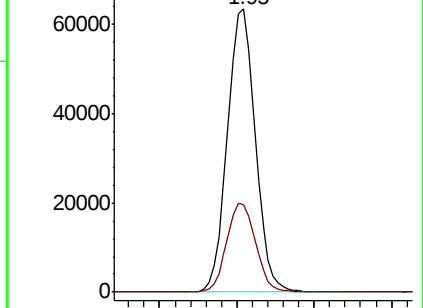
64 100

66 31.1 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039103.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU039103.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 5.038 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU039128.D

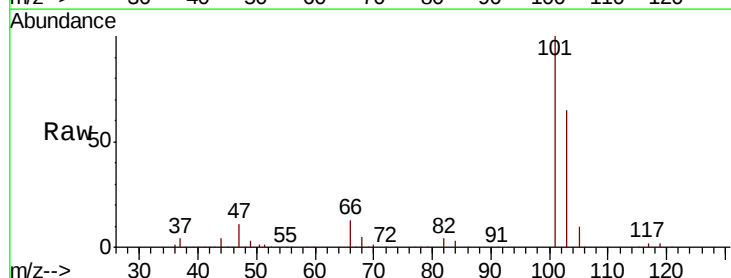
Acq: 25 Jun 2020 20:46

Tgt Ion:101 Resp: 169811

Ion Ratio Lower Upper

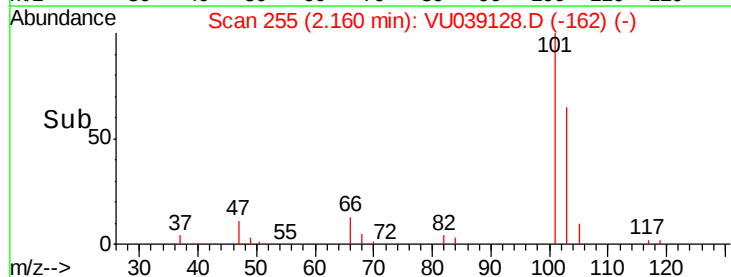
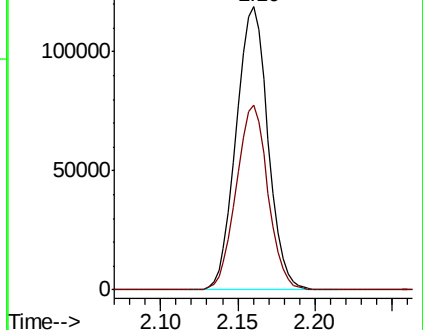
101 100

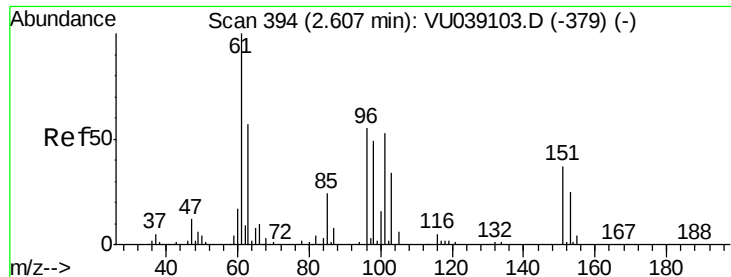
103 65.0 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039103.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039103.D (-242) (-)





#10

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

Concen: 4.982 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

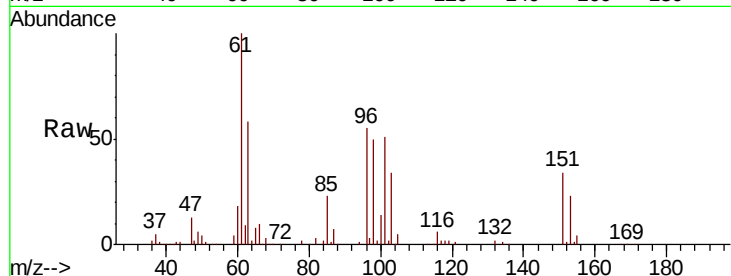
Tot Ion:101 Resp: 97755

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

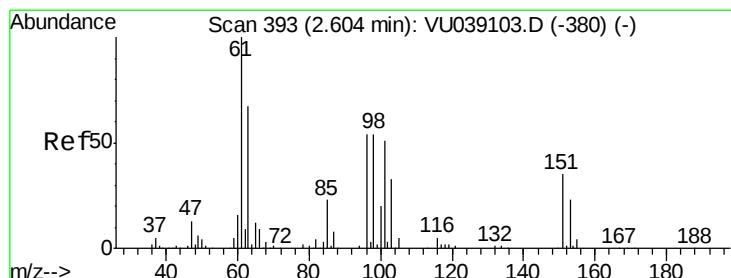
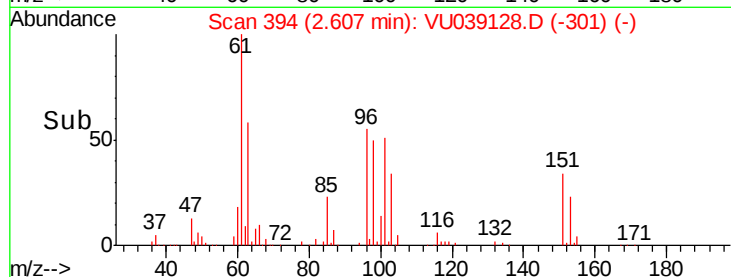
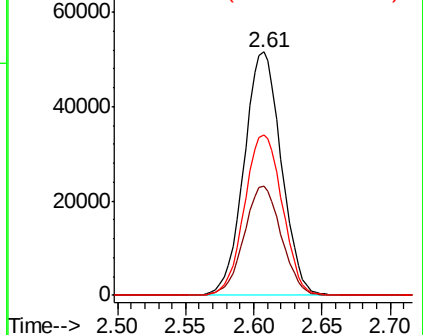
151 67.1 55.0 82.6



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: 4.978 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

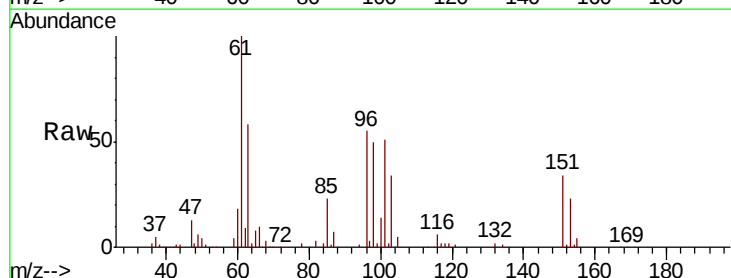
Tgt Ion: 96 Resp: 93455

Ion Ratio Lower Upper

96 100

61 180.7 125.1 232.3

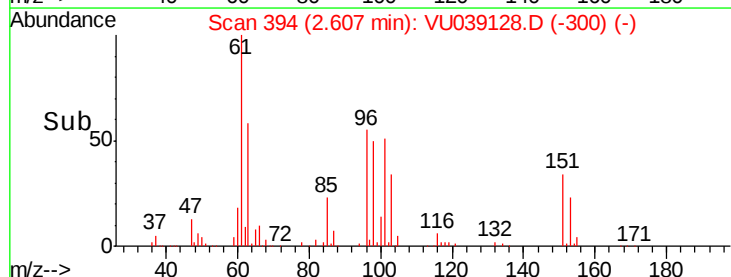
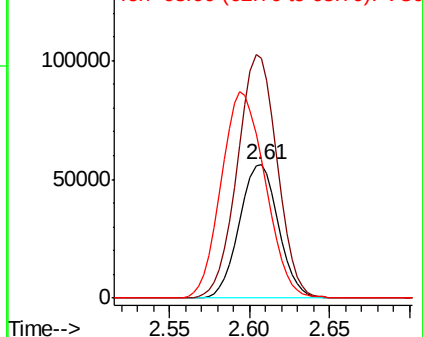
63 104.2 82.3 152.8

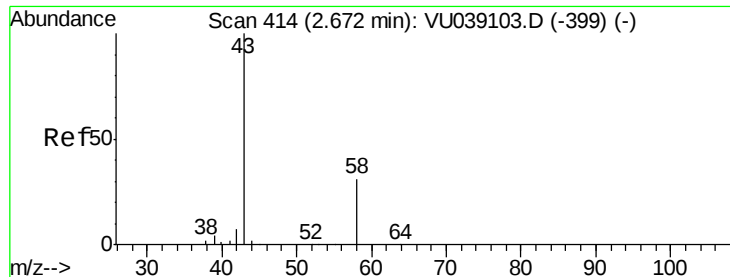


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.840 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

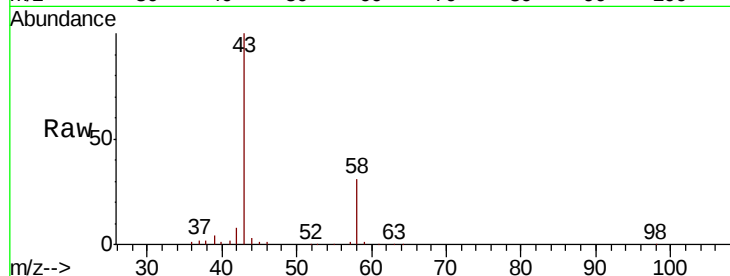
VSTD00517

Tot Ion: 43 Resp: 218128

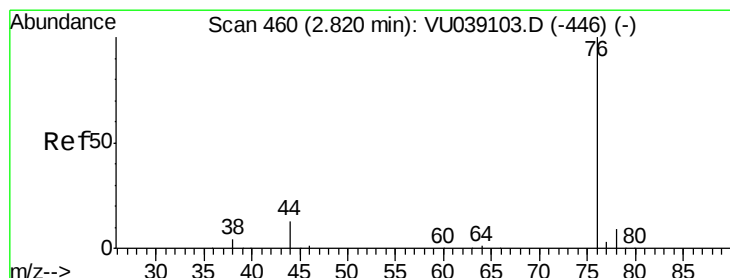
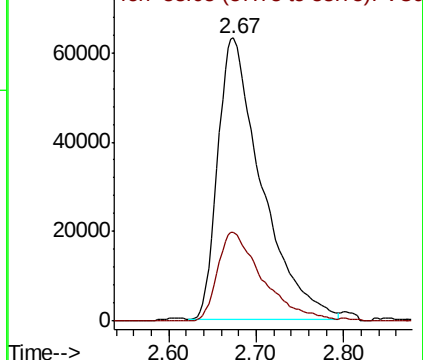
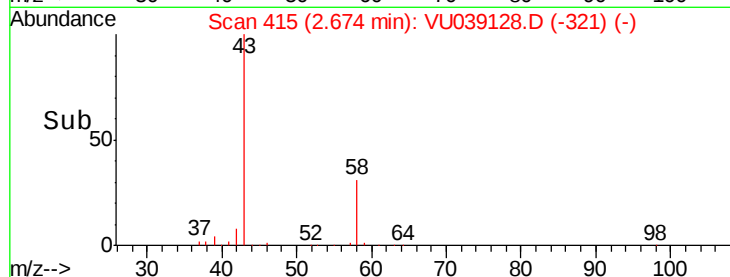
Ion Ratio Lower Upper

43 100

58 32.8 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039128.D (-321) (-)



#14

Carbon disulfide

Concen: 4.699 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039128.D

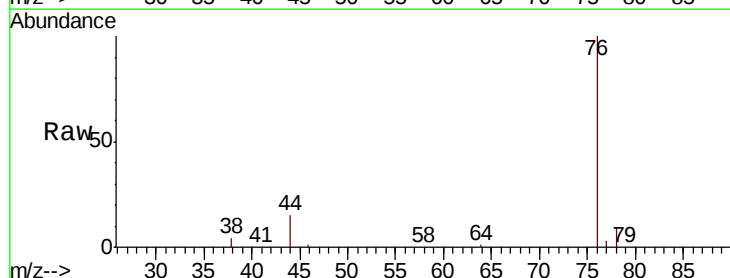
Acq: 25 Jun 2020 20:46

Tgt Ion: 76 Resp: 294086

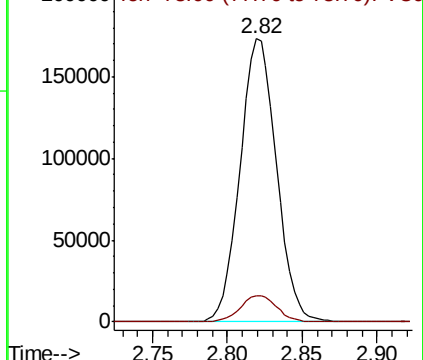
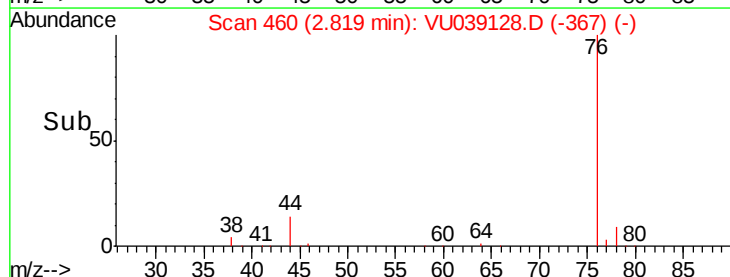
Ion Ratio Lower Upper

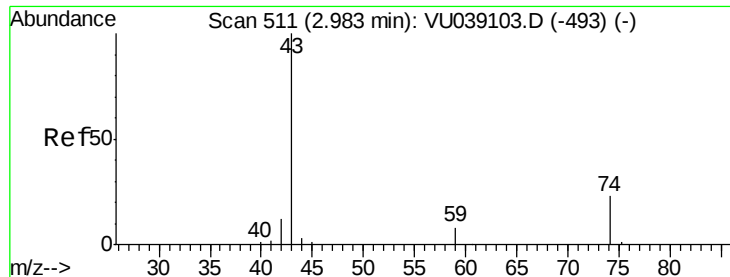
76 100

78 9.2 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039128.D (-367) (-)





#15

Methvl Acetate

Concen: 4.716 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampled :

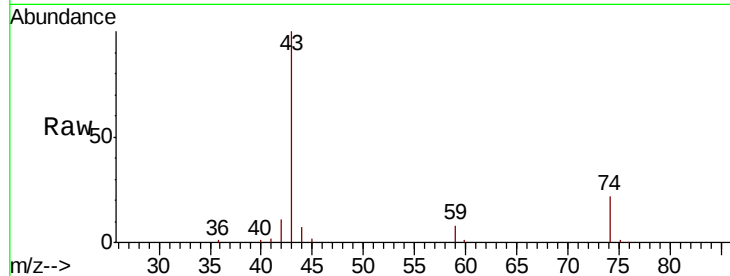
VSTD00517

Tot Ion: 43 Resp: 54464

Ion Ratio Lower Upper

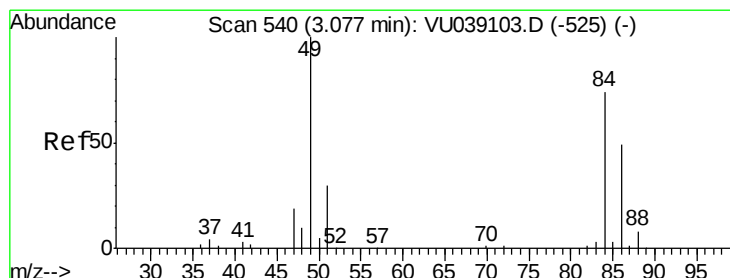
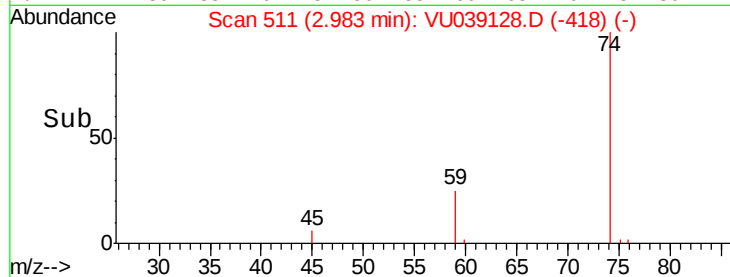
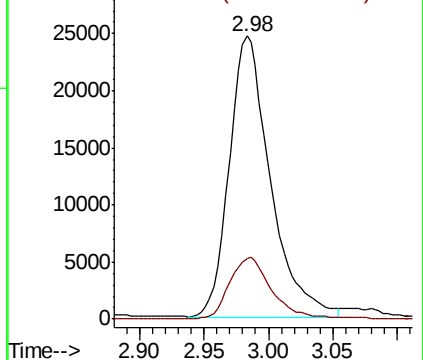
43 100

74 22.6 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.678 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

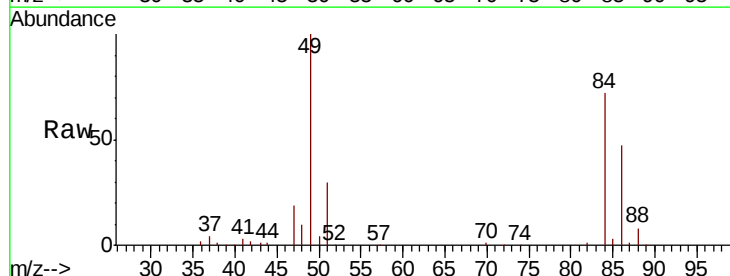
Tgt Ion: 84 Resp: 108345

Ion Ratio Lower Upper

84 100

86 65.5 44.1 81.9

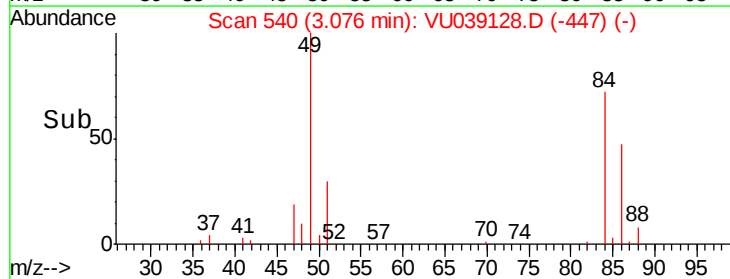
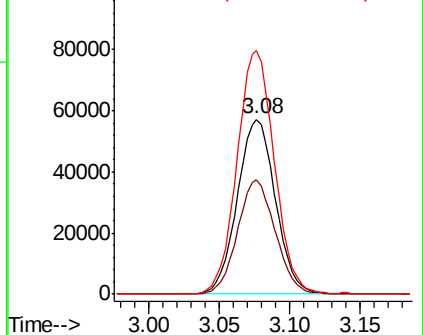
49 139.1 93.1 172.9

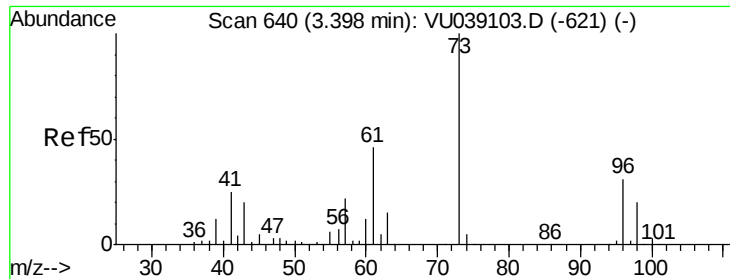


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

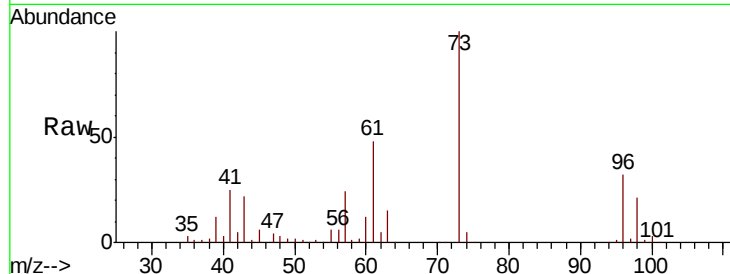




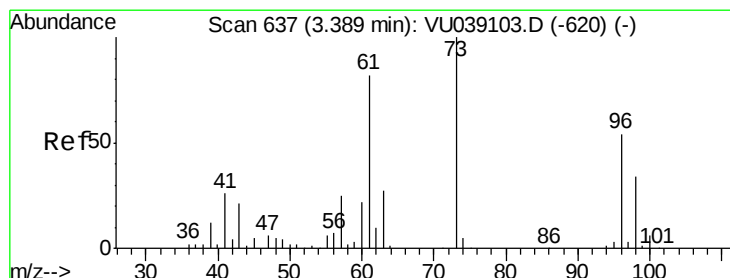
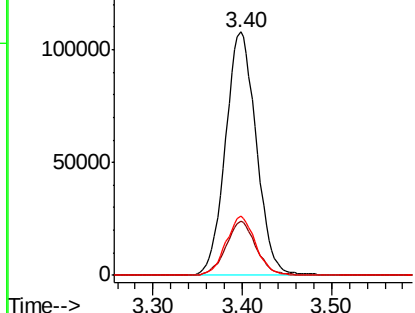
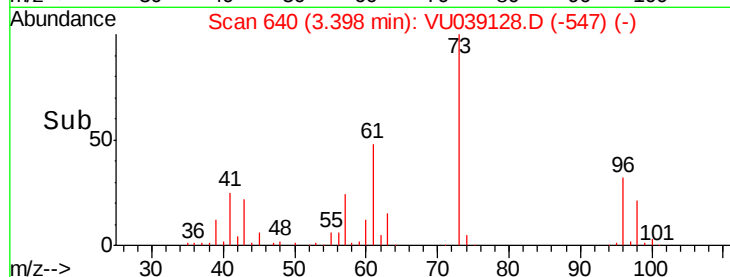
#17
Methvl tert-butvl Ether
Concen: 4.816 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion: 73 Resp: 257384
Ion Ratio Lower Upper
73 100
43 21.6 16.6 24.8
57 23.3 18.2 27.4

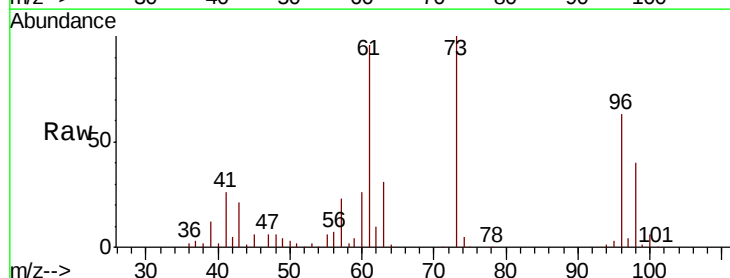


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

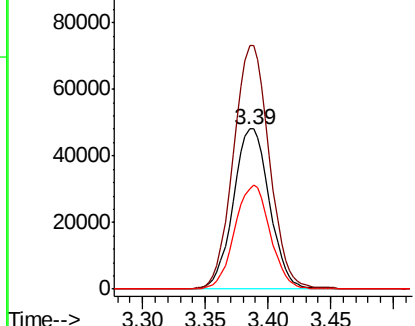
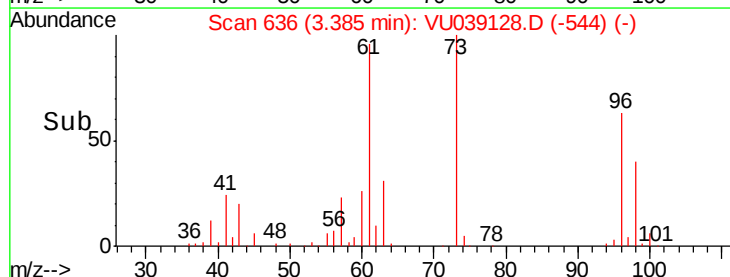


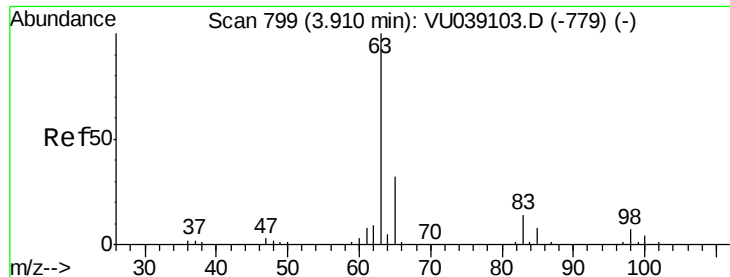
#18
trans-1,2-Dichloroethene
Concen: 4.828 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion: 96 Resp: 96977
Ion Ratio Lower Upper
96 100
61 151.7 103.5 192.3
98 62.8 44.9 83.5



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

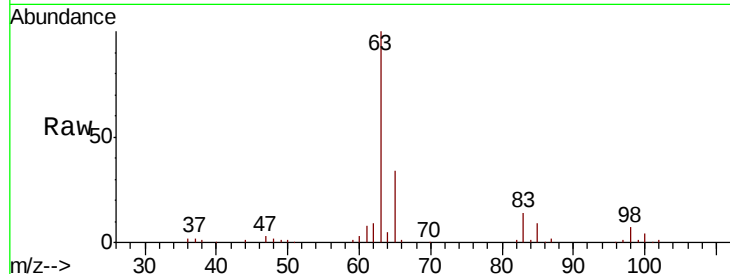




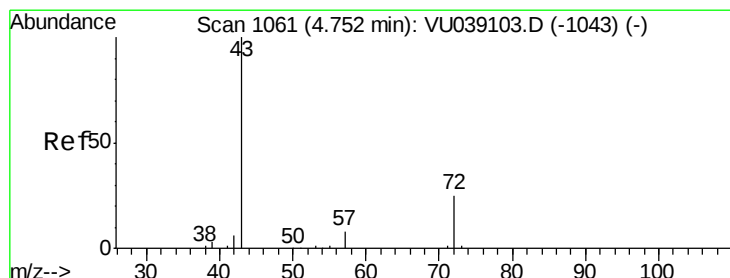
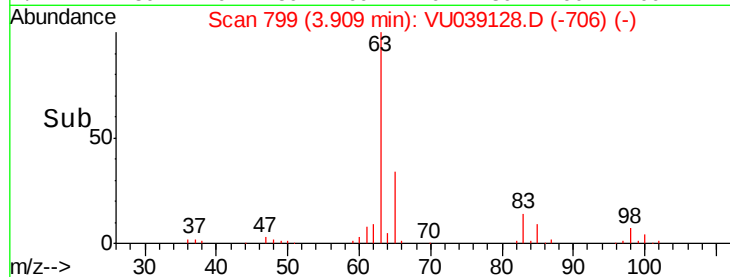
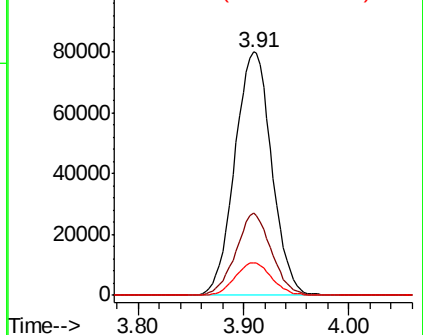
#19
 1,1-Dichloroethane
 Concen: 4.864 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion: 63 Resp: 194235
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.1 41.1
 83 13.6 9.3 17.3

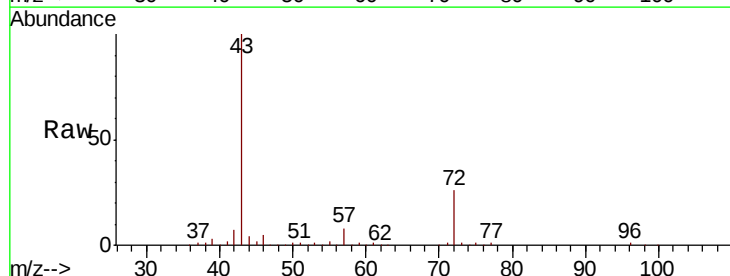


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

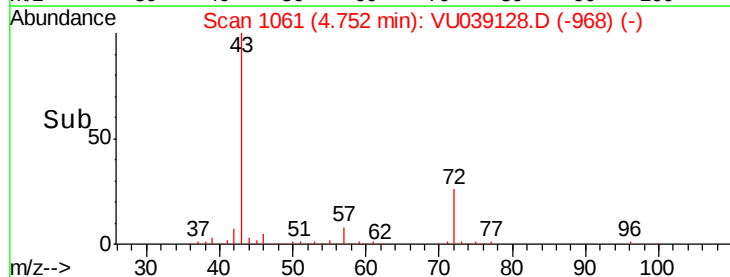
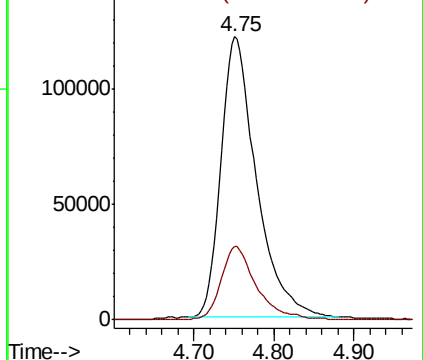


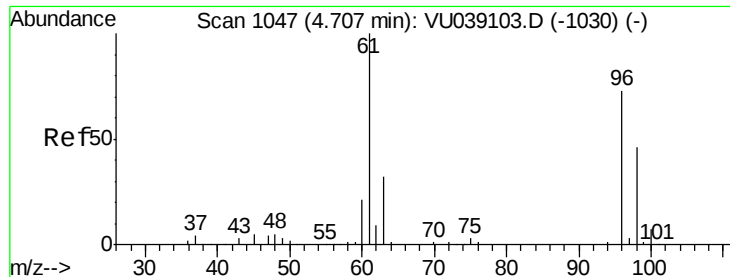
#21
 2-Butanone
 Concen: 49.932 ug/L
 RT: 4.75 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion: 43 Resp: 369298
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0

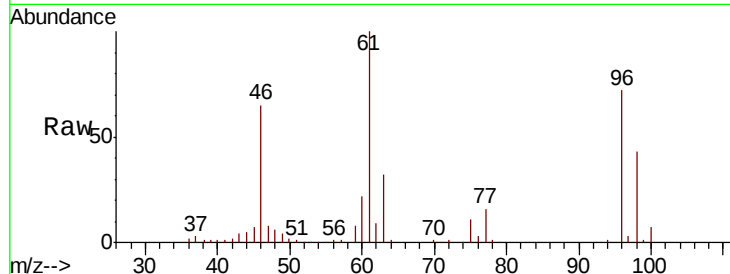




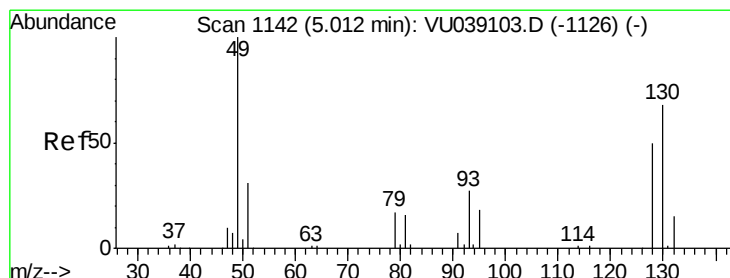
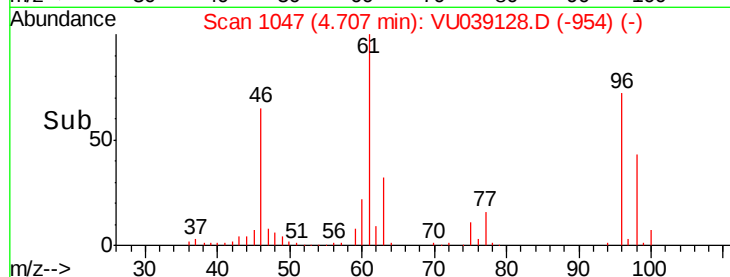
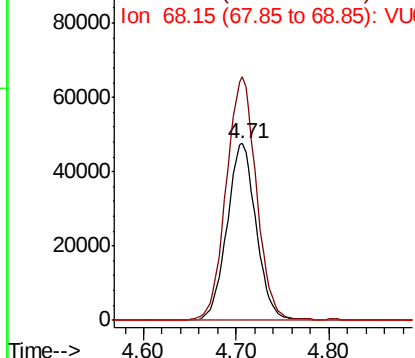
#22
 cis-1,2-Dichloroethene
 Concen: 4.794 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion: 96 Resp: 103925
 Ion Ratio Lower Upper
 96 100
 61 137.9 100.8 187.2
 68 0.0 0.0 0.0

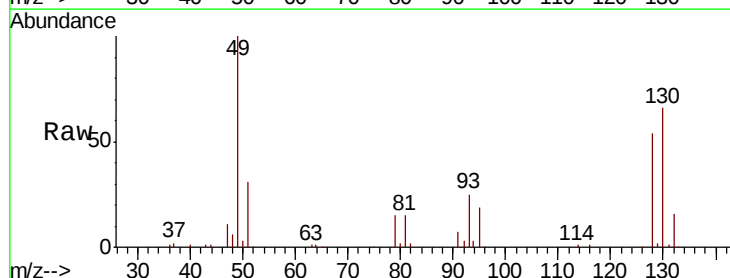


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

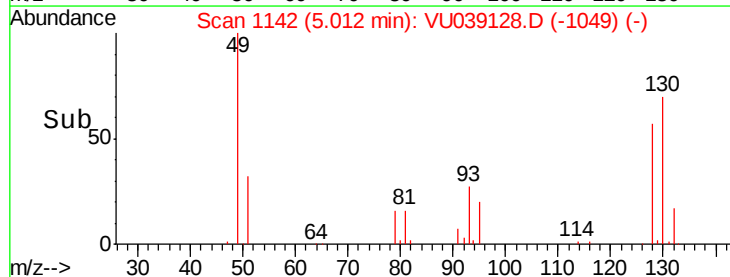
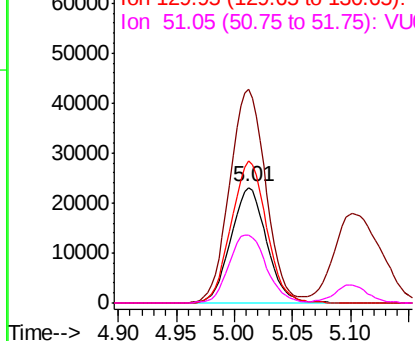


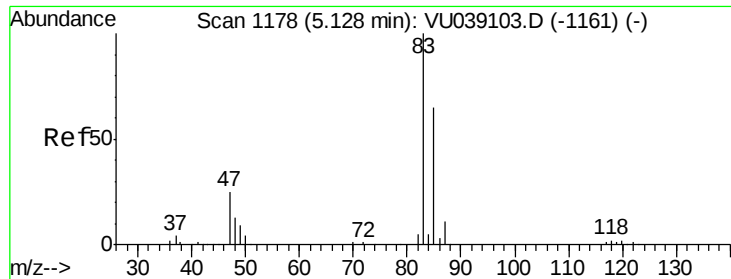
#23
 Bromochloromethane
 Concen: 4.935 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion: 128 Resp: 49225
 Ion Ratio Lower Upper
 128 100
 49 184.7 127.3 236.5
 130 122.5 84.4 156.7
 51 58.2 47.5 71.3



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

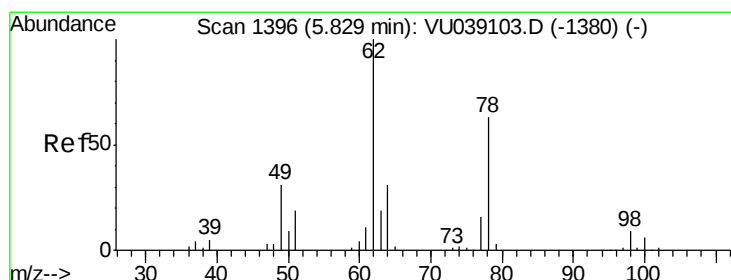
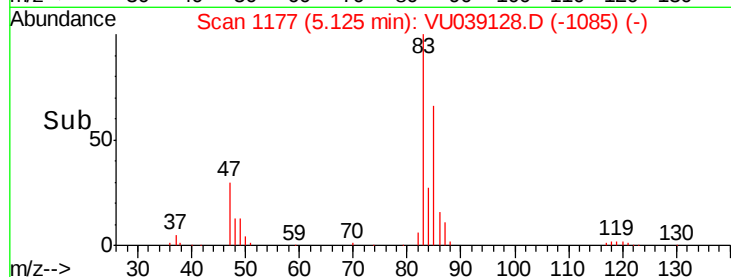
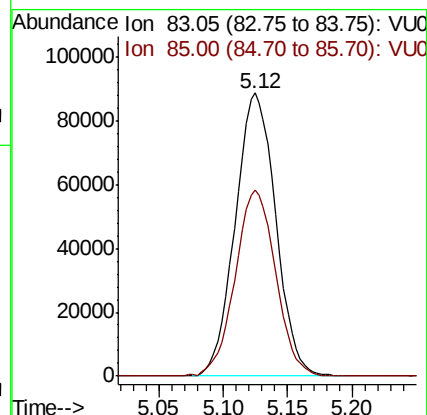
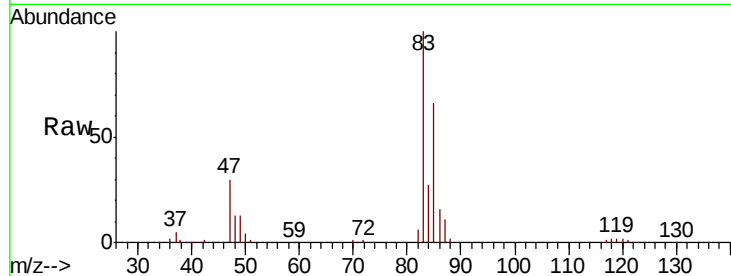




#25
Chloroform
Concen: 4.828 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

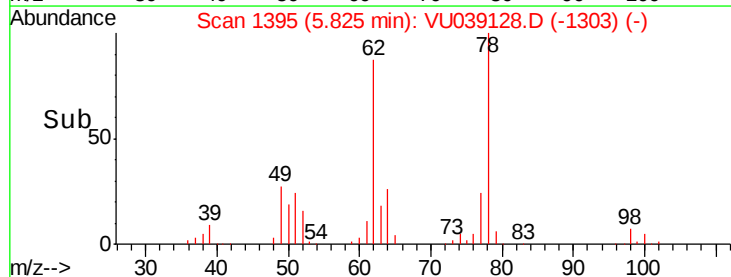
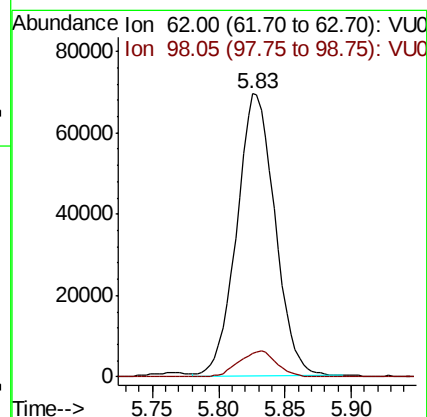
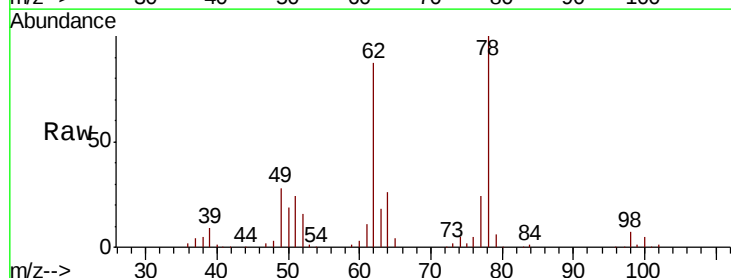
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

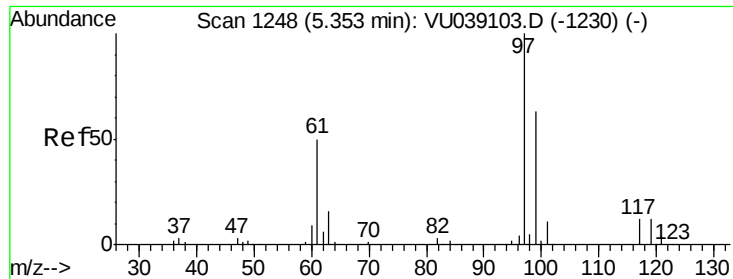
Tot Ion: 83 Resp: 193687
Ion Ratio Lower Upper
83 100
85 65.6 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.871 ug/L
RT: 5.83 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion: 62 Resp: 139260
Ion Ratio Lower Upper
62 100
98 8.2 7.7 11.5

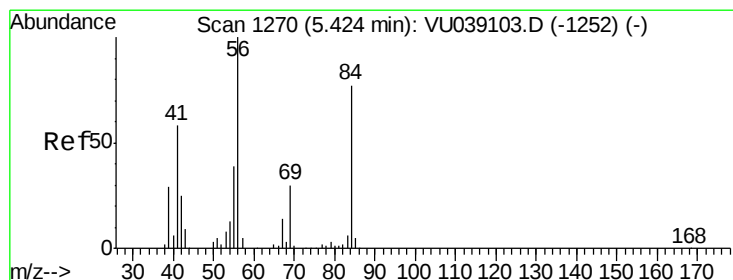
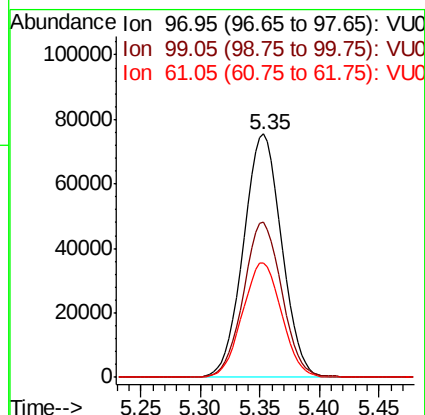
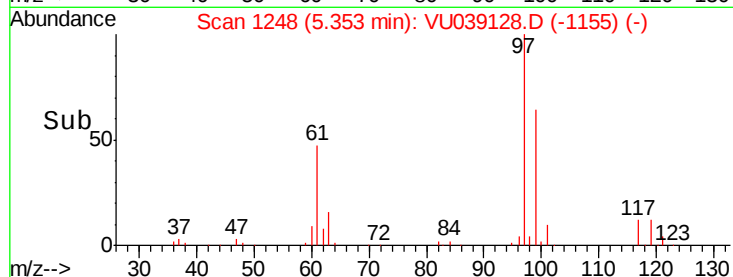
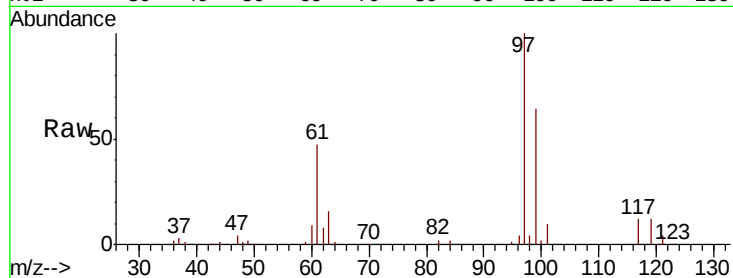




#29
 1,1,1-Trichloroethane
 Concen: 5.008 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

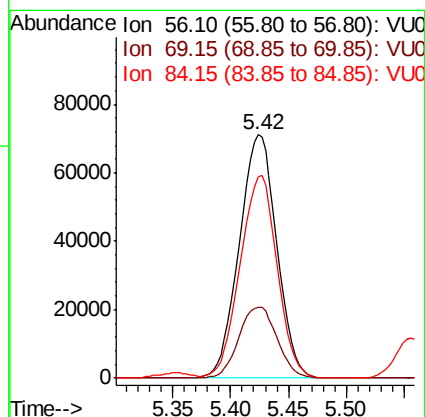
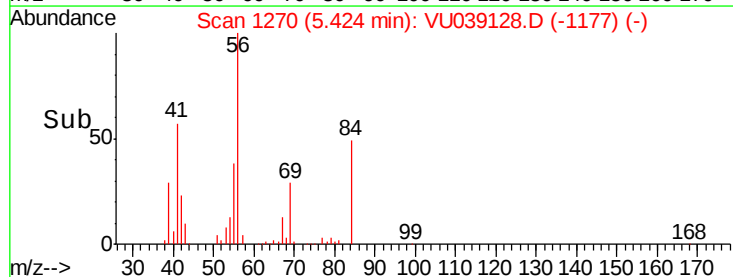
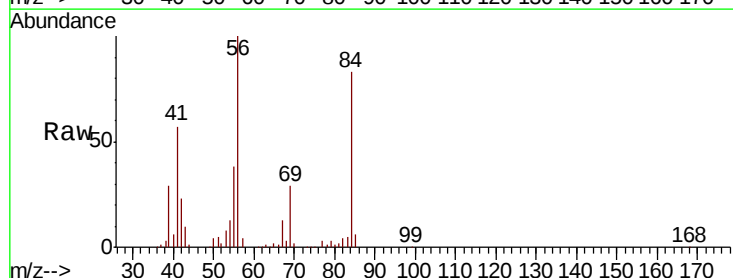
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

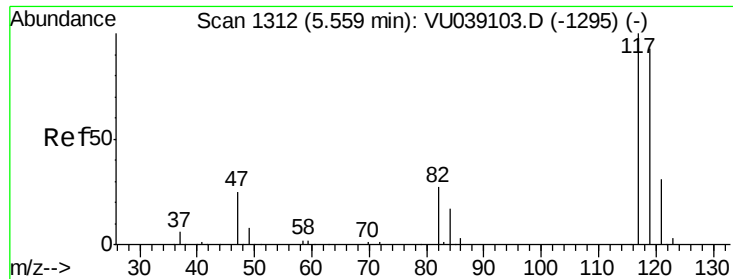
Tot Ion: 97 Resp: 168131
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.3 75.5
 61 48.2 37.8 56.6



#30
 Cyclohexane
 Concen: 5.112 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion: 56 Resp: 159664
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.3 34.9
 84 82.5 67.1 100.7

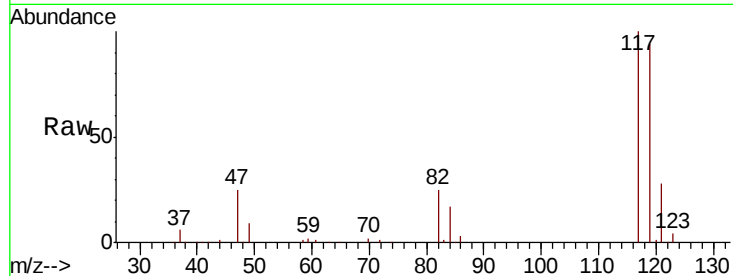




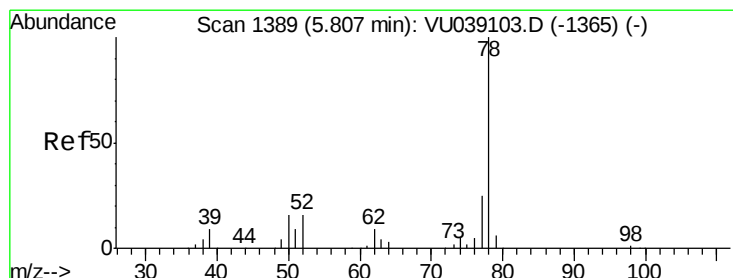
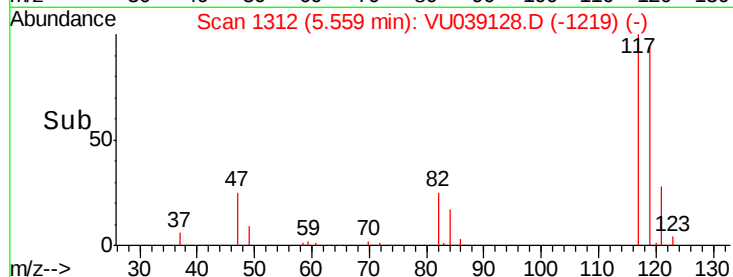
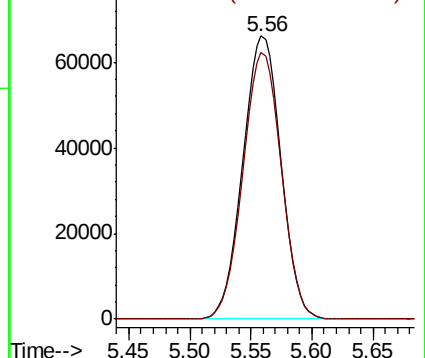
#31
Carbon tetrachloride
Concen: 5.098 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion:117 Resp: 142524
Ion Ratio Lower Upper
117 100
119 94.9 75.7 113.5

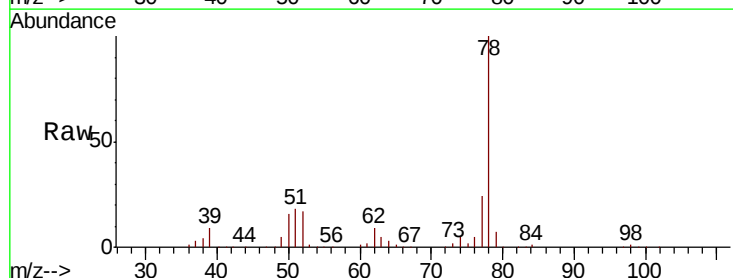


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

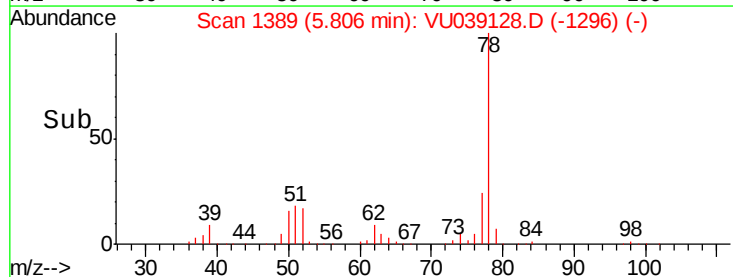
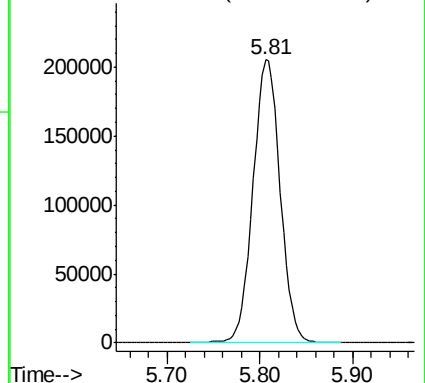


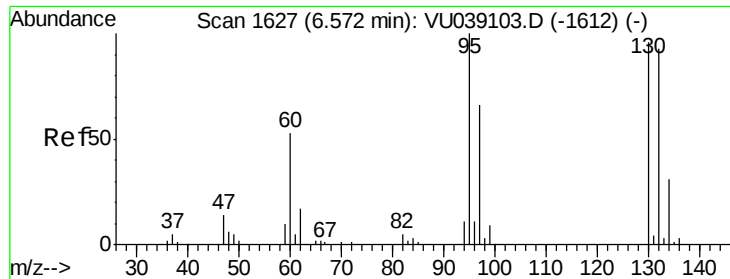
#33
Benzene
Concen: 4.935 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion: 78 Resp: 417066



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.150 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tot Ion: 95 Resp: 105282

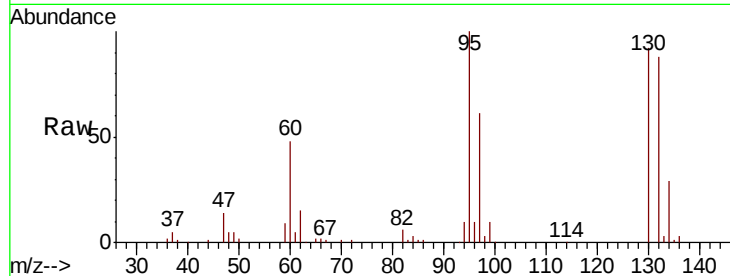
Ion Ratio Lower Upper

95 100

97 60.8 45.1 83.7

132 87.8 65.1 120.9

130 91.8 68.6 127.4

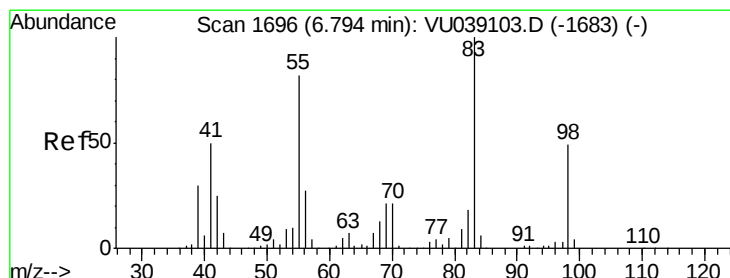
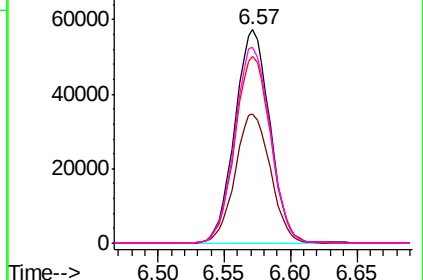
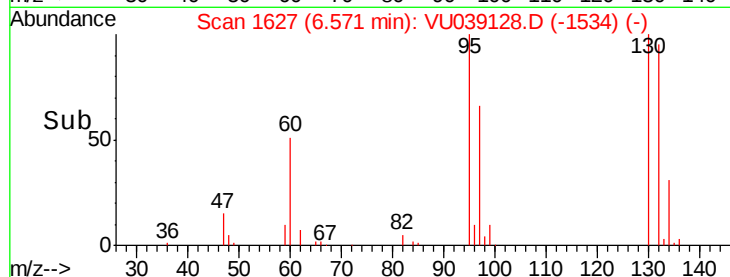


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.934 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

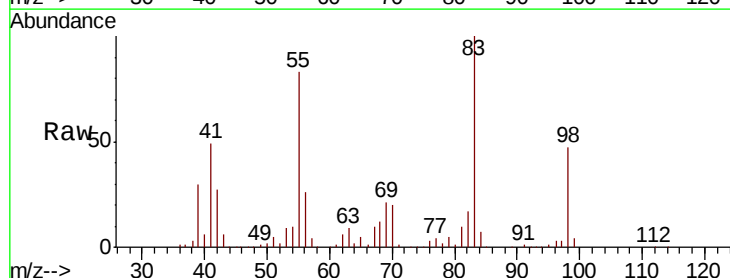
Tgt Ion: 83 Resp: 149668

Ion Ratio Lower Upper

83 100

55 84.8 65.5 98.3

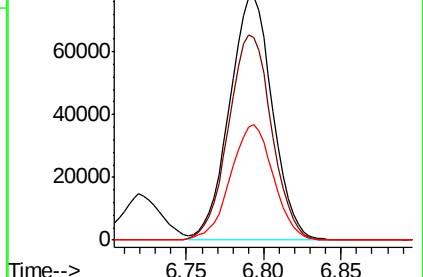
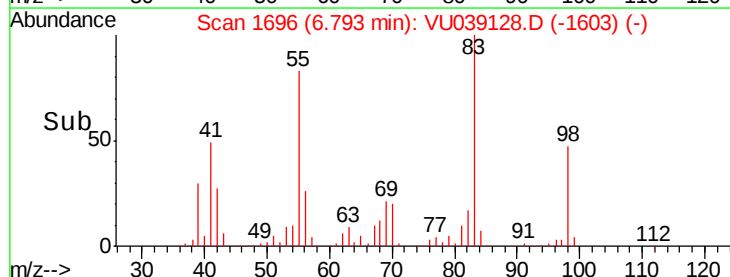
98 47.3 36.5 54.7

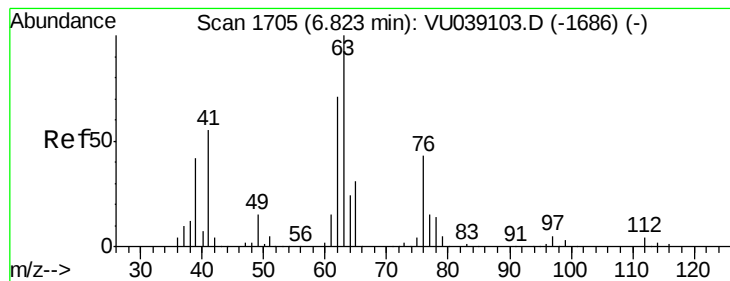


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.985 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

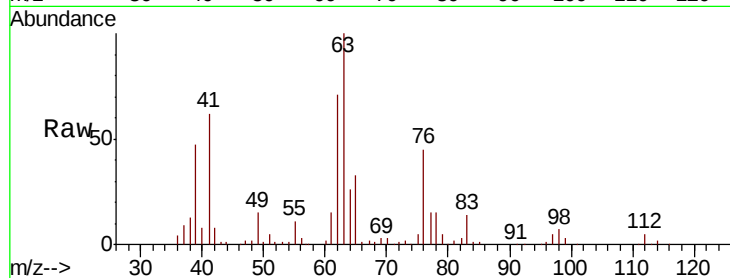
VSTD00517

Tot Ion: 63 Resp: 114134

Ion Ratio Lower Upper

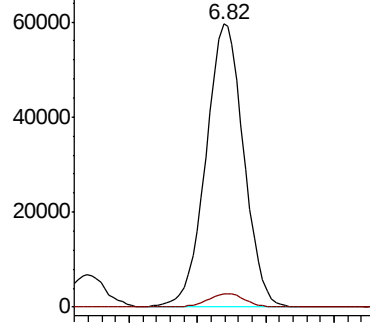
63 100

112 4.6 3.4 5.2

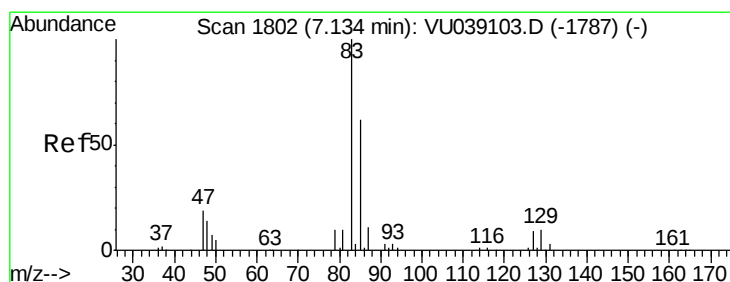
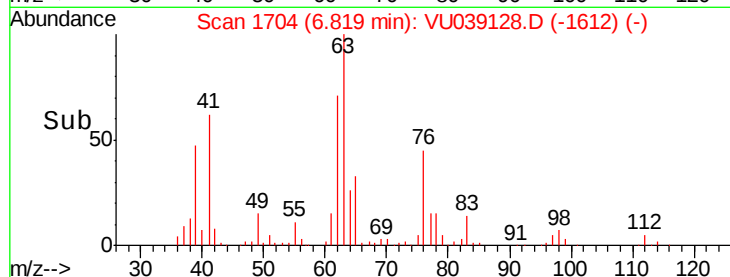


Abundance Ion 63.10 (62.80 to 63.80): VU039103.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039103.D (-1686) (-)



Time-->



#38

Bromodichloromethane

Concen: 5.075 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

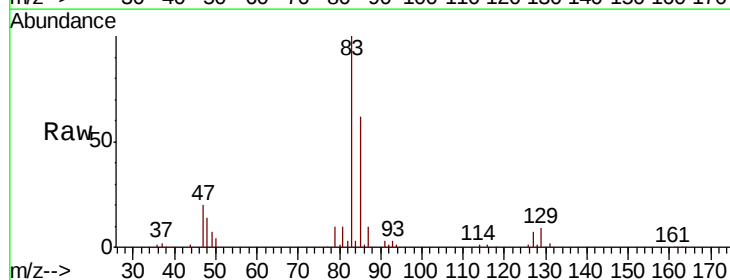
Tgt Ion: 83 Resp: 144890

Ion Ratio Lower Upper

83 100

85 61.9 44.9 83.3

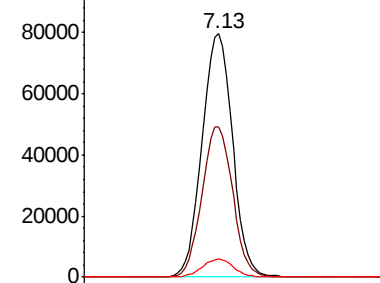
127 7.3 6.3 9.5



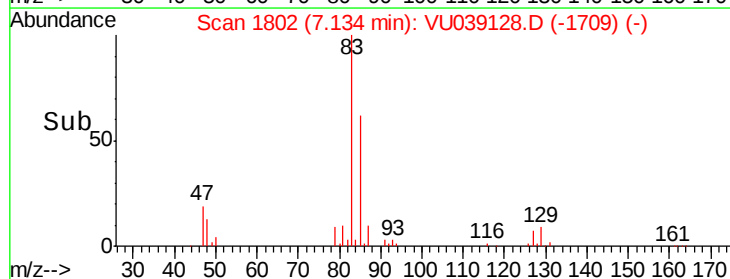
Abundance Ion 82.95 (82.65 to 83.65): VU039103.D (-1787) (-)

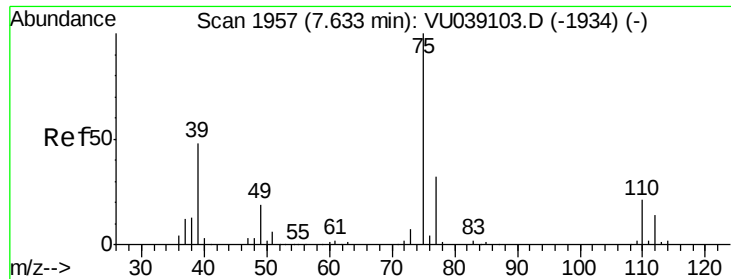
Ion 85.00 (84.70 to 85.70): VU039103.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU039103.D (-1787) (-)



Time-->

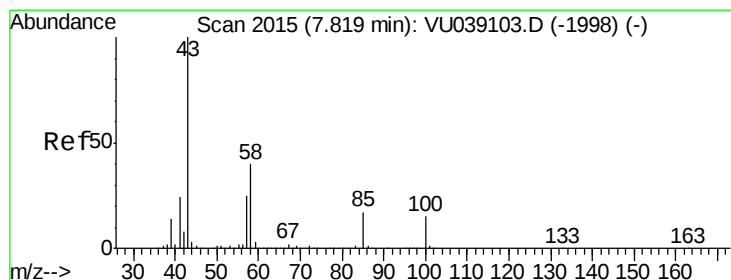
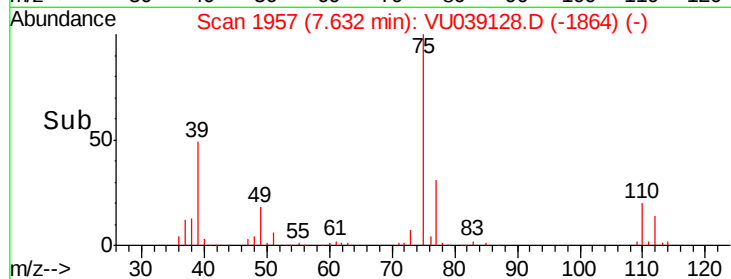
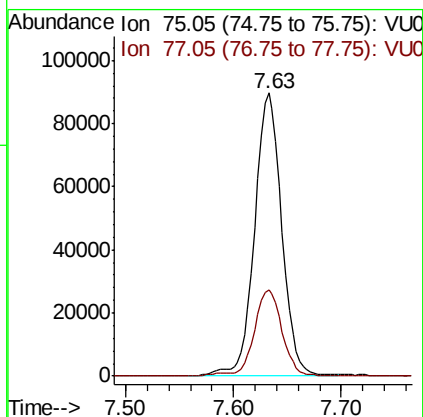
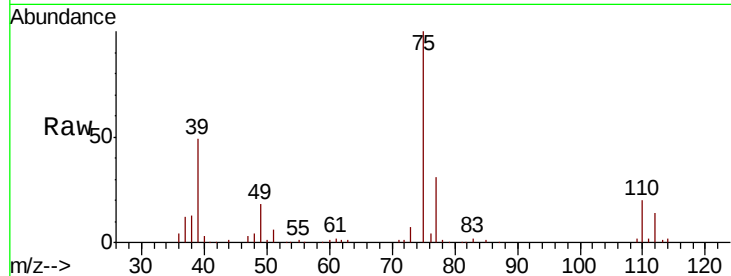




#39
 cis-1,3-Dichloropropene
 Concen: 4.945 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

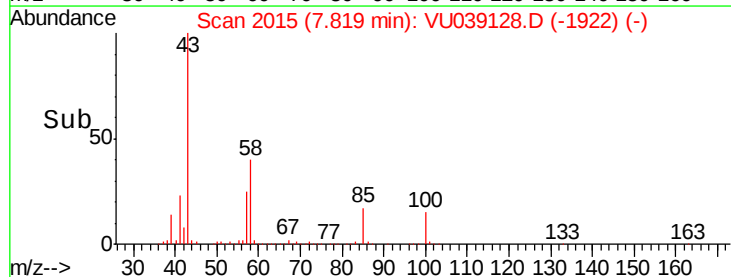
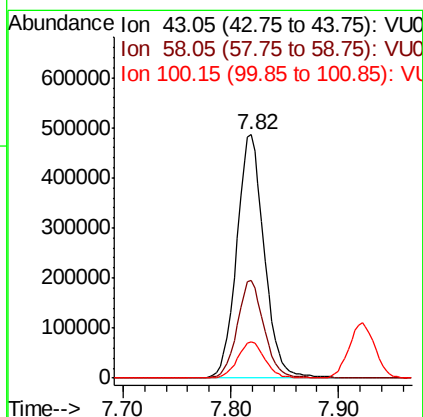
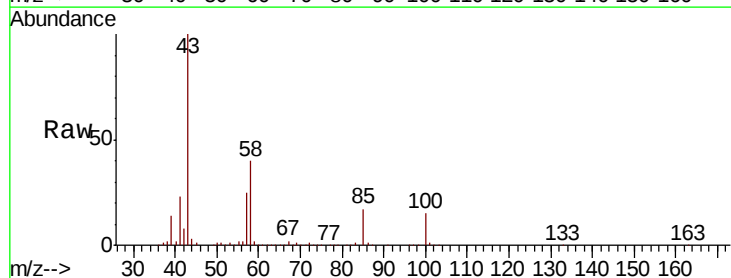
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

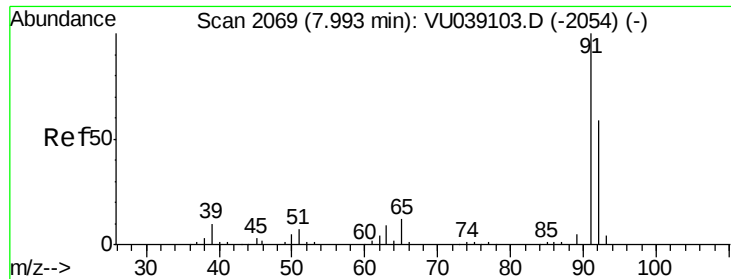
Tot Ion: 75 Resp: 156940
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 50.549 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion: 43 Resp: 863893
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.3 46.9
 100 14.8 11.6 17.4





#42

Toluene

Concen: 5.108 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

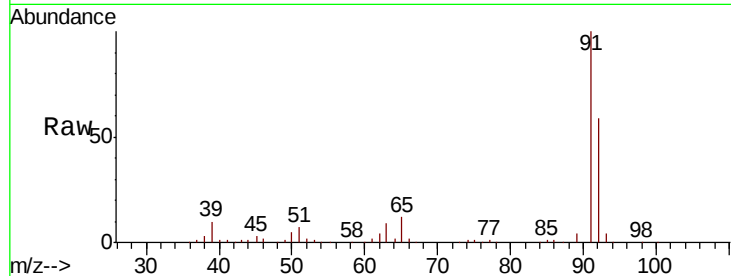
VSTD00517

Tot Ion: 91 Resp: 428568

Ion Ratio Lower Upper

91 100

92 59.3 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039103.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039103.D (-2054) (-)

7.99

250000

200000

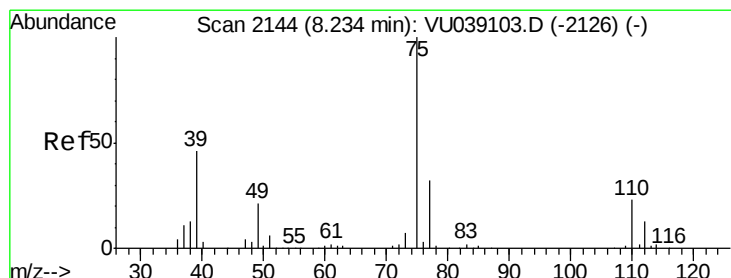
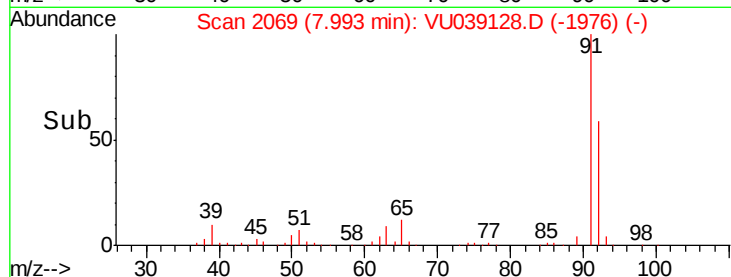
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.989 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU039128.D

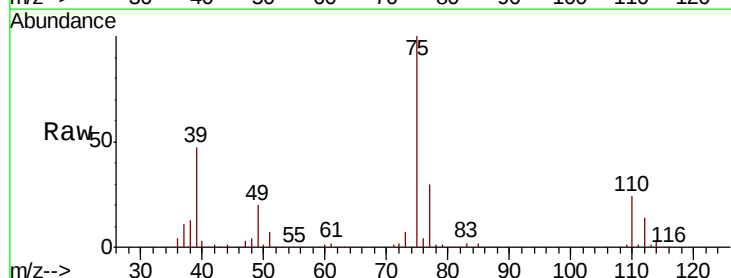
Acq: 25 Jun 2020 20:46

Tgt Ion: 75 Resp: 148160

Ion Ratio Lower Upper

75 100

77 30.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039103.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU039103.D (-2126) (-)

8.23

100000

80000

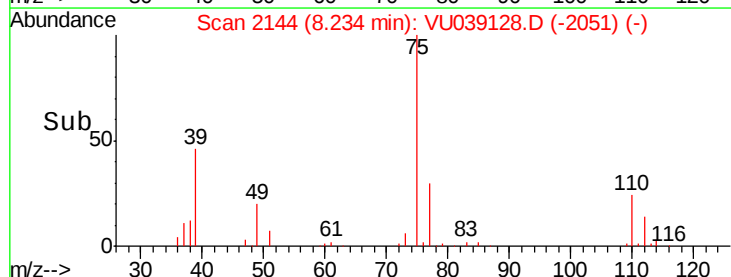
60000

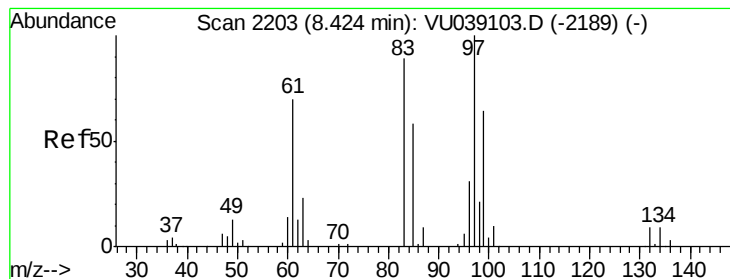
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.930 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tot Ion: 97 Resp: 83901

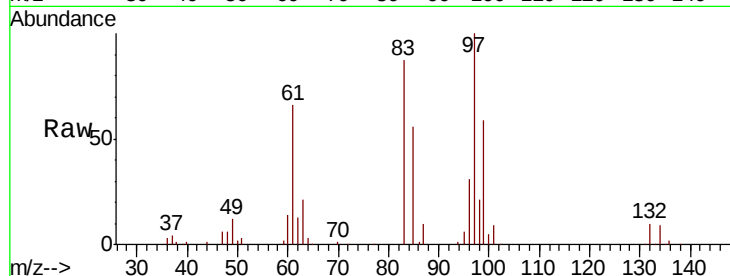
Ion Ratio Lower Upper

97 100

99 59.0 45.4 84.4

83 87.4 64.4 119.6

85 55.8 41.7 77.5



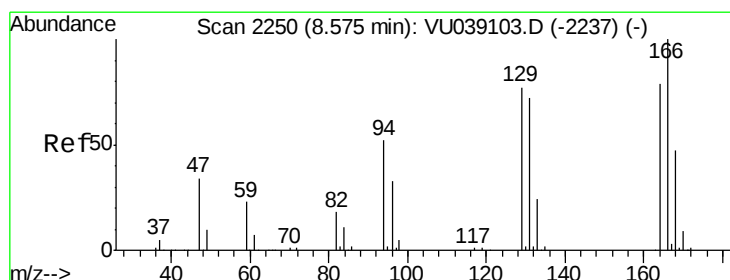
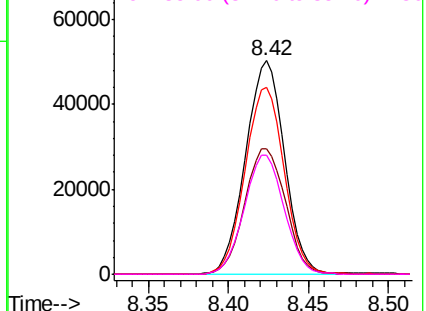
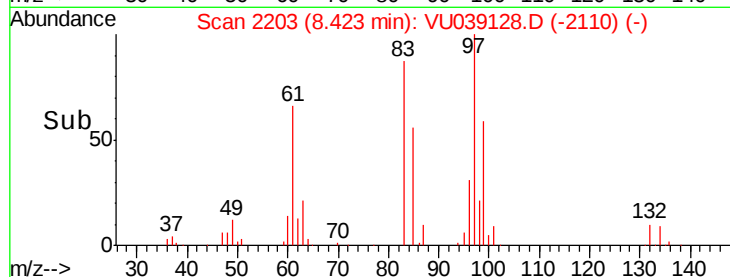
Abundance

Ion 96.95 (96.65 to 97.65): VU039128.D (-2110) (-)

Ion 99.05 (98.75 to 99.75): VU039128.D (-2110) (-)

Ion 82.95 (82.65 to 83.65): VU039128.D (-2110) (-)

Ion 85.00 (84.70 to 85.70): VU039128.D (-2110) (-)



#47

Tetrachloroethene

Concen: 4.981 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Tgt Ion: 164 Resp: 73399

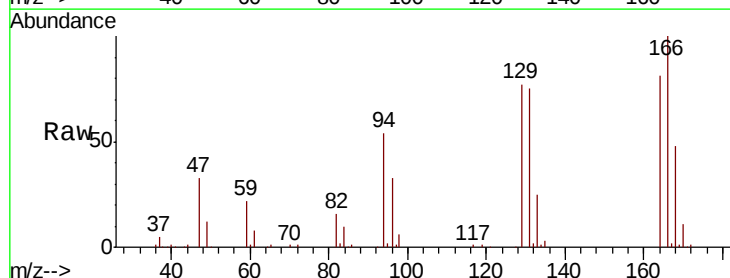
Ion Ratio Lower Upper

164 100

129 95.2 71.3 132.5

131 91.9 68.3 126.8

166 122.9 90.8 168.6



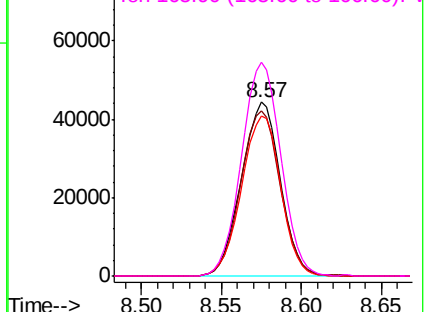
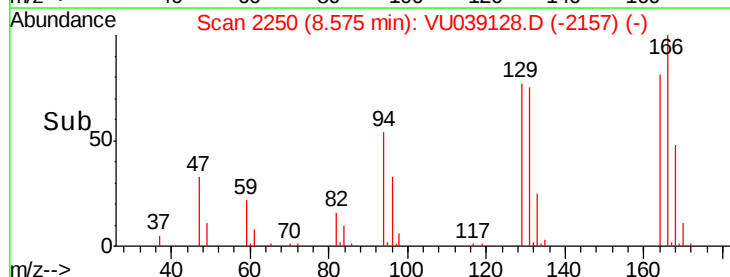
Abundance

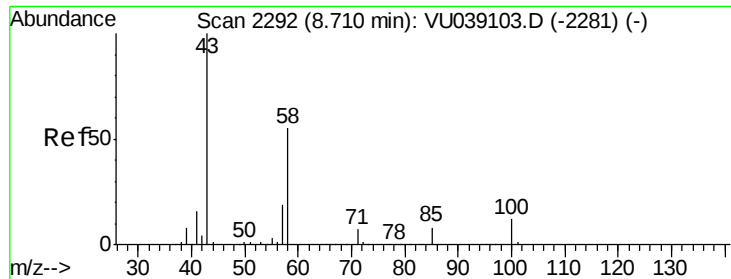
Ion 163.90 (163.60 to 164.60): VU039128.D (-2157) (-)

Ion 128.95 (128.65 to 129.65): VU039128.D (-2157) (-)

Ion 130.95 (130.65 to 131.65): VU039128.D (-2157) (-)

Ion 165.90 (165.60 to 166.60): VU039128.D (-2157) (-)

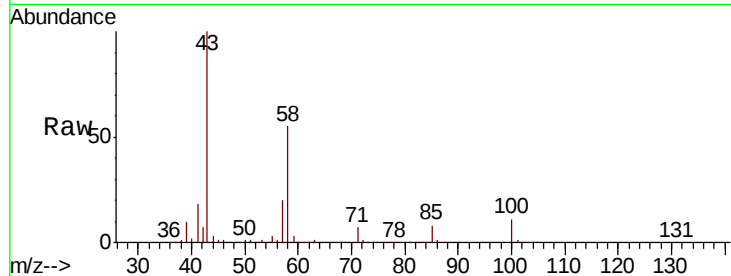




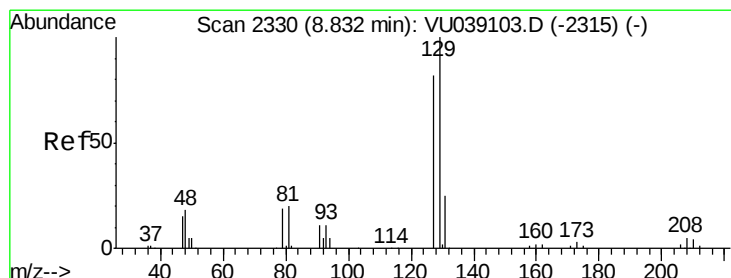
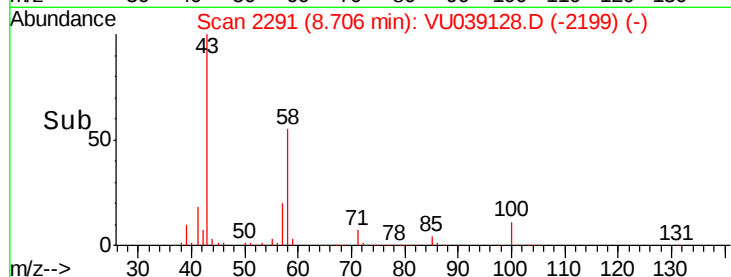
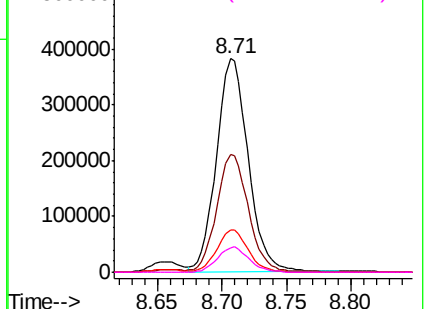
#48
2-Hexanone
Concen: 52.174 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion: 43 Resp: 653677
Ion Ratio Lower Upper
43 100
58 55.4 44.0 66.0
57 19.7 15.0 22.6
100 11.8 9.4 14.2

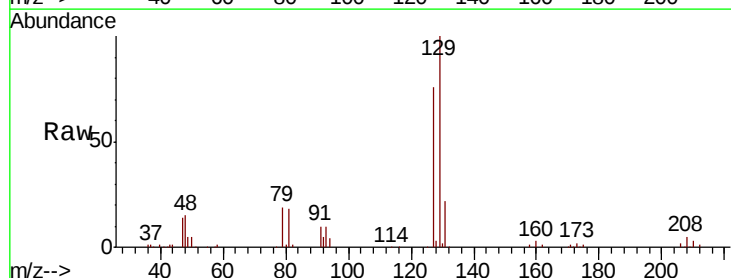


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

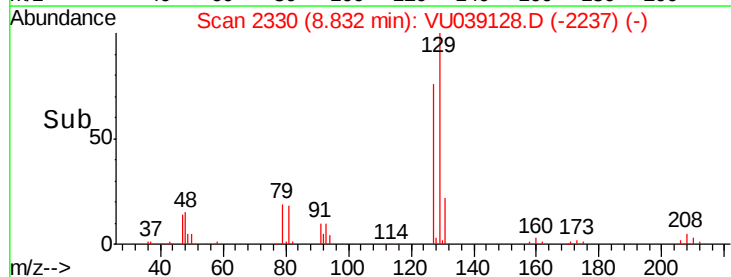
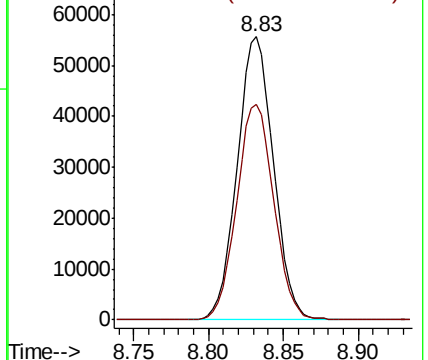


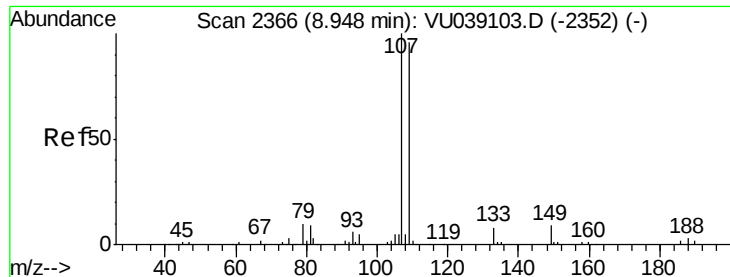
#49
Dibromochloromethane
Concen: 5.072 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion: 129 Resp: 93863
Ion Ratio Lower Upper
129 100
127 75.9 55.4 103.0



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

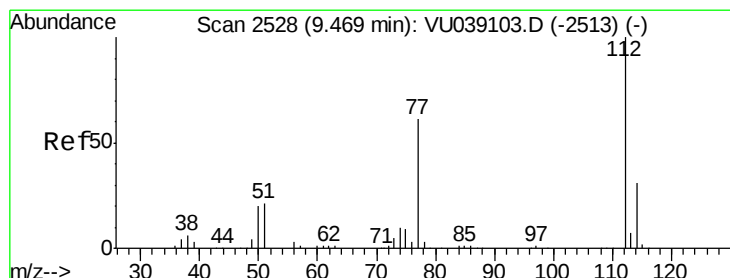
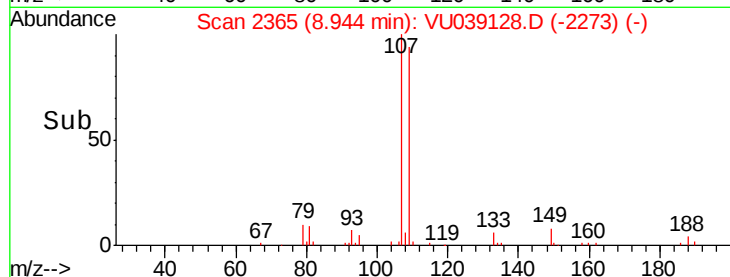
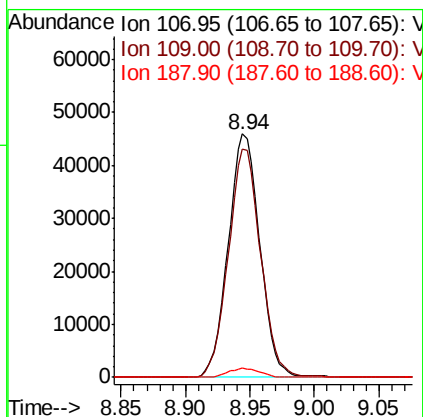
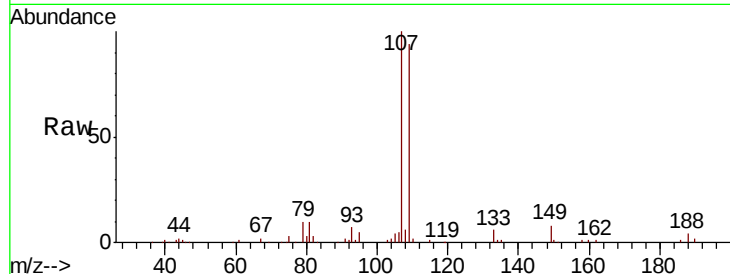




#50
1,2-Dibromoethane
Concen: 4.867 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

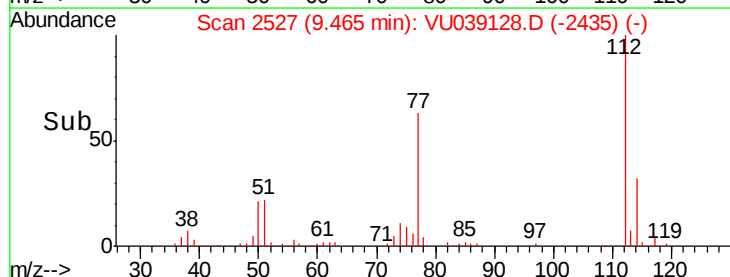
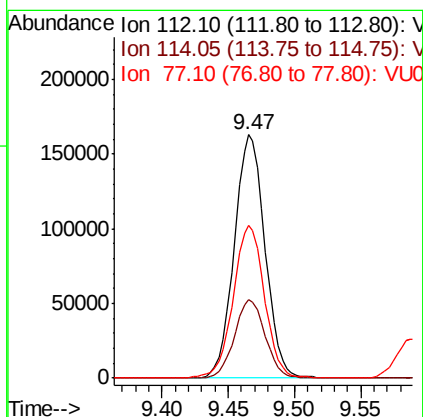
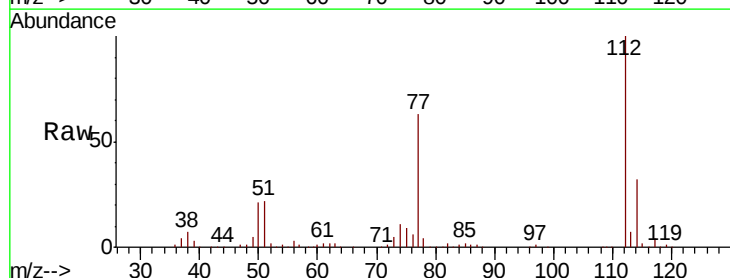
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

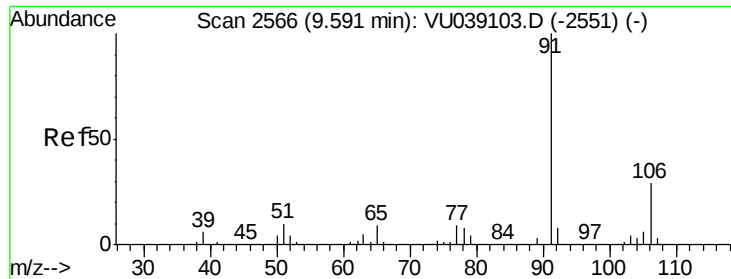
Tot Ion:107 Resp: 78311
Ion Ratio Lower Upper
107 100
109 93.9 64.8 120.4
188 3.6 2.4 3.6#



#51
Chlorobenzene
Concen: 4.966 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion:112 Resp: 262274
Ion Ratio Lower Upper
112 100
114 32.2 22.0 41.0
77 62.5 50.2 75.4

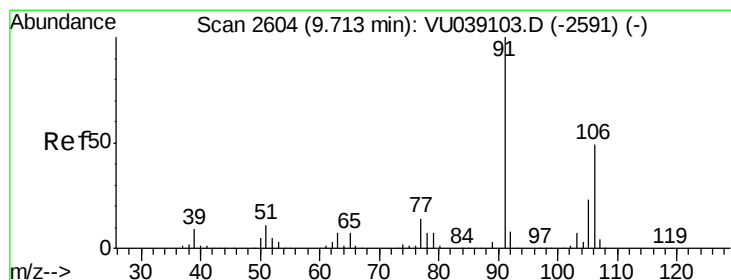
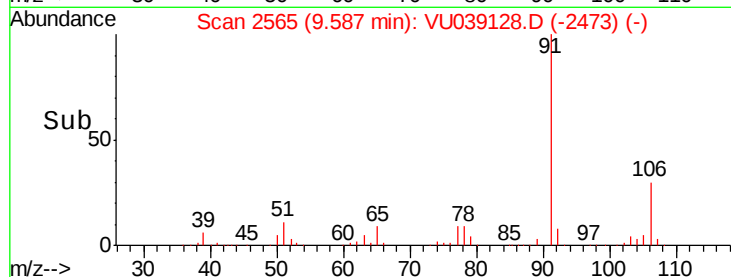
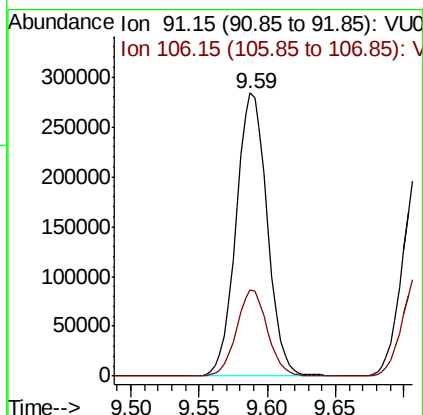
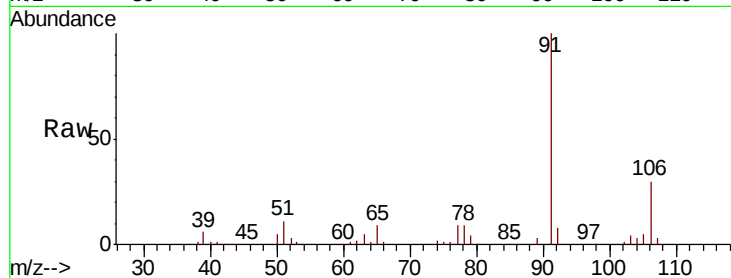




#52
Ethylbenzene
Concen: 5.106 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

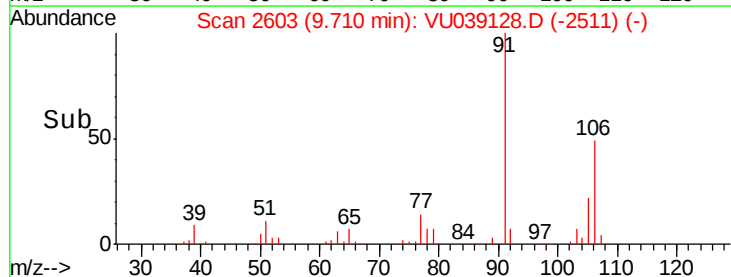
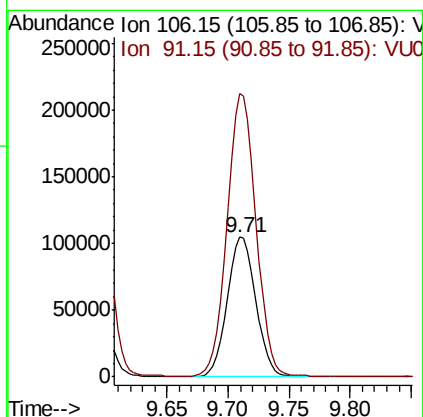
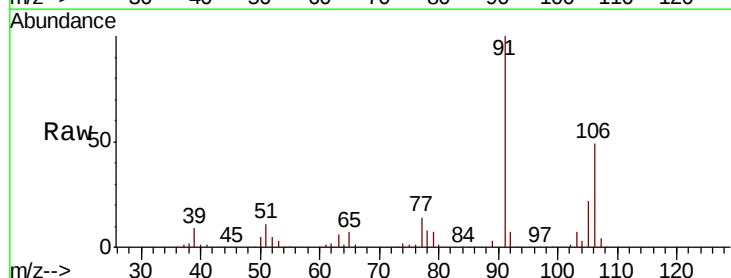
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

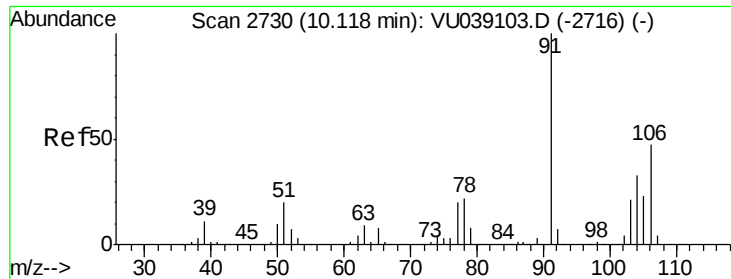
Tot Ion: 91 Resp: 450257
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 5.318 ug/L
RT: 9.71 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion: 106 Resp: 172432
Ion Ratio Lower Upper
106 100
91 203.0 143.6 266.8

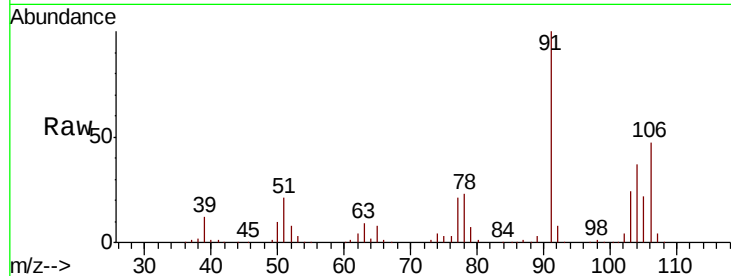




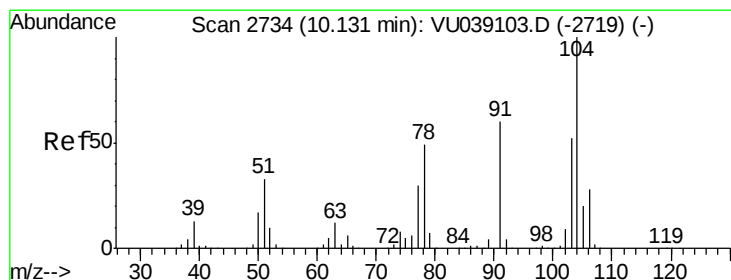
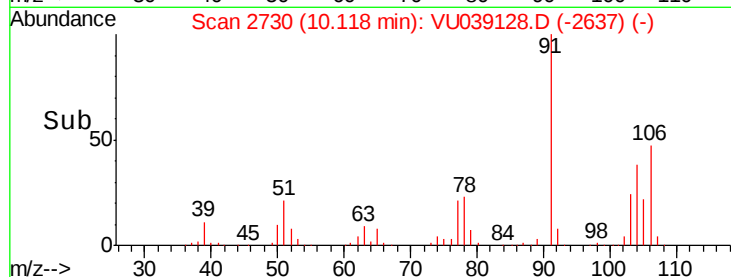
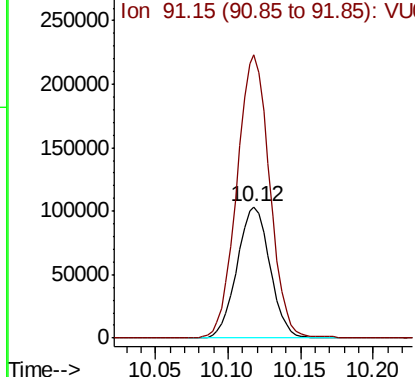
#54
o-Xylene
Concen: 5.255 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Tot Ion:106 Resp: 163685
Ion Ratio Lower Upper
106 100
91 215.0 153.5 285.1

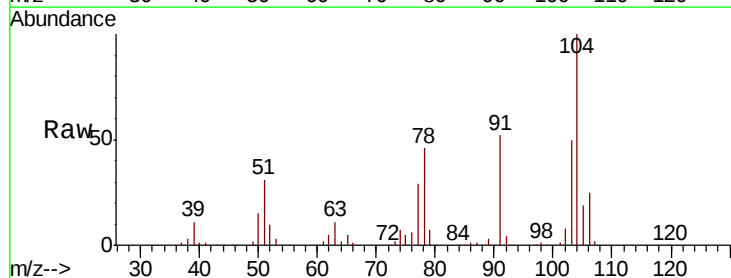


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

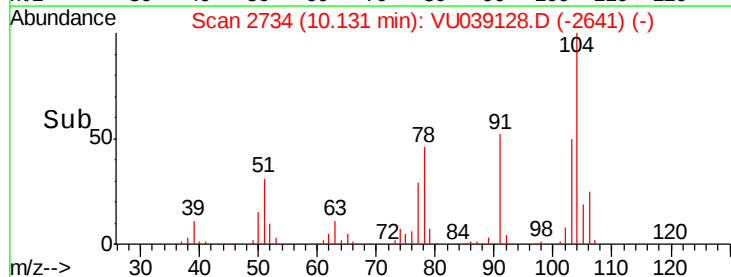
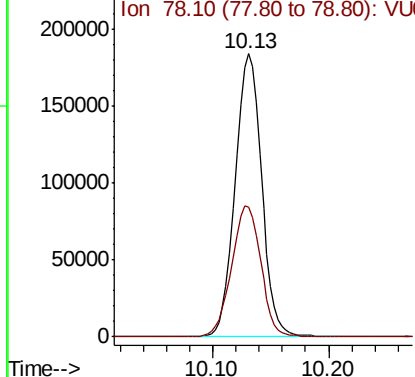


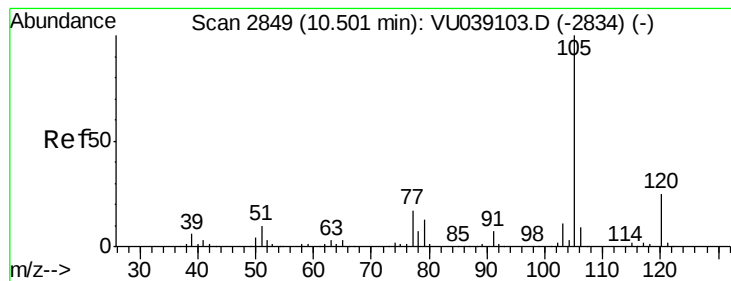
#55
Styrene
Concen: 5.320 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU039128.D
Acq: 25 Jun 2020 20:46

Tgt Ion:104 Resp: 291023
Ion Ratio Lower Upper
104 100
78 45.8 33.5 62.1



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





#56

Isopropylbenzene

Concen: 5.269 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

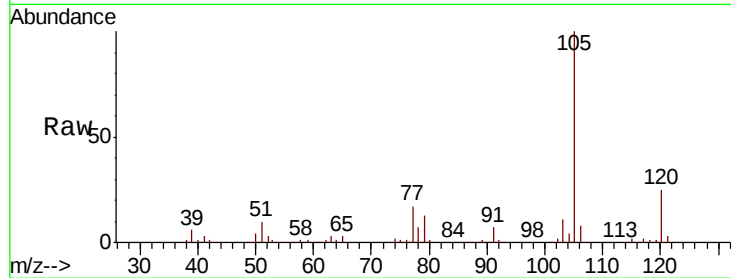
Tot Ion:105 Resp: 430055

Ion Ratio Lower Upper

105 100

120 25.3 19.9 29.9

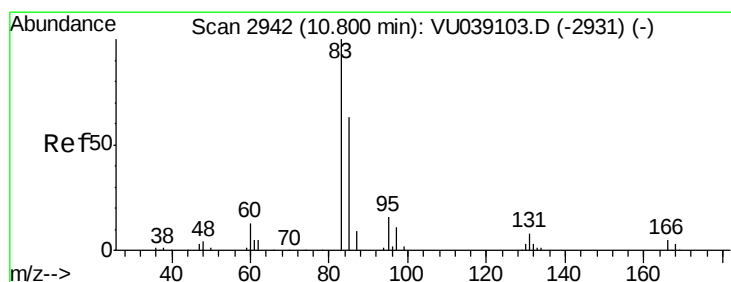
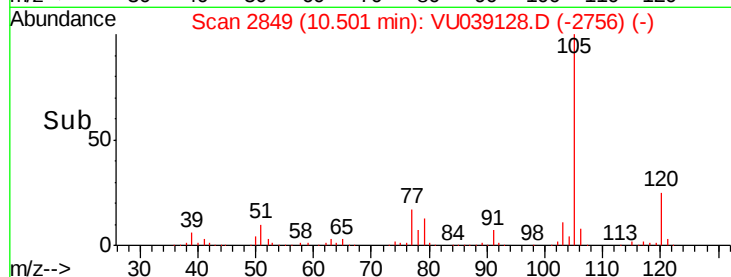
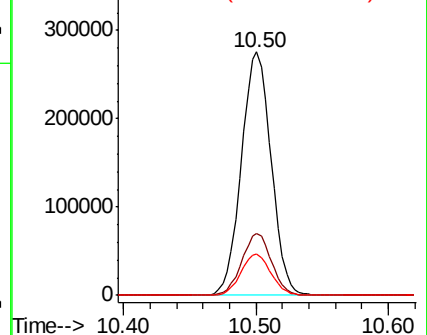
77 17.1 13.3 19.9



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: 4.764 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

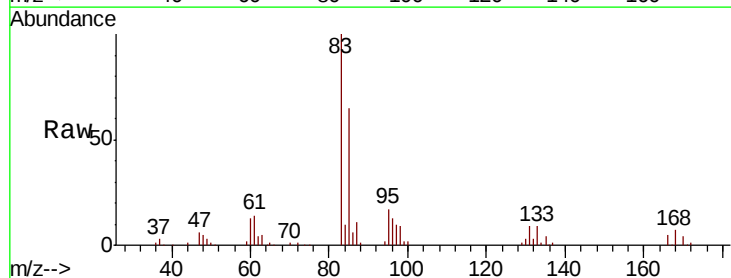
Tgt Ion: 83 Resp: 108407

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1

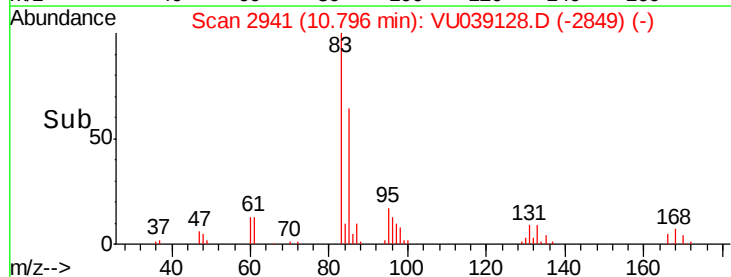
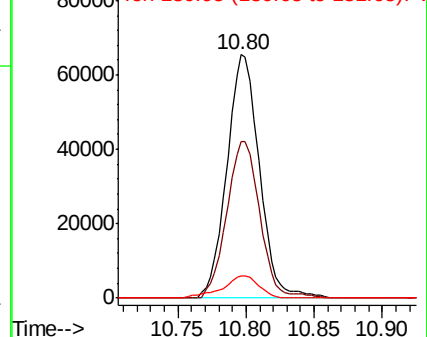
131 9.1 6.9 10.3

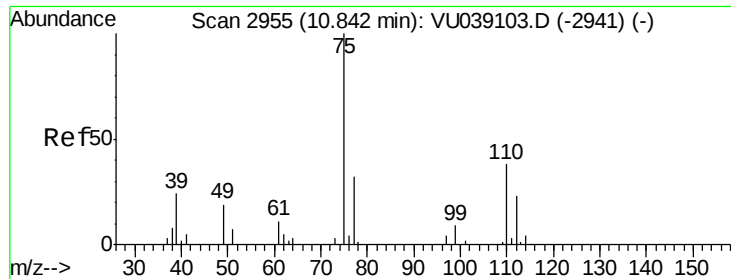


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

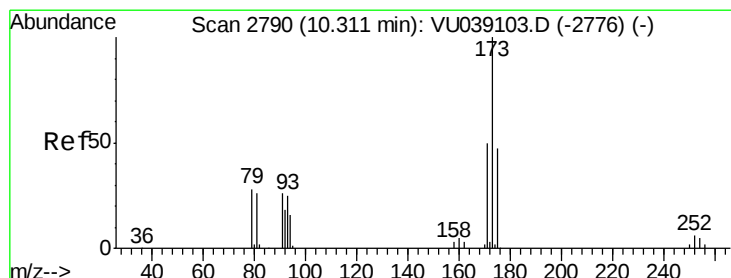
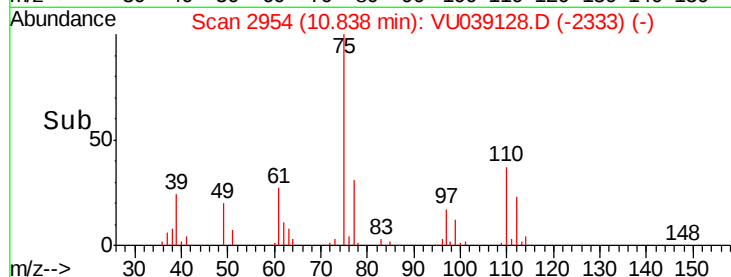
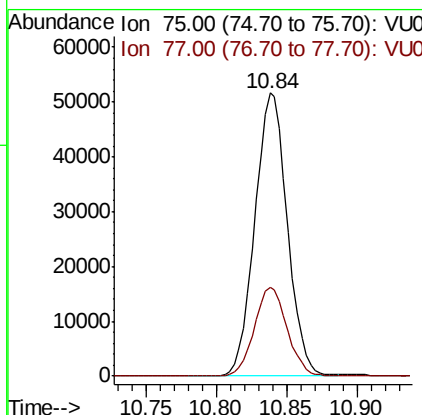
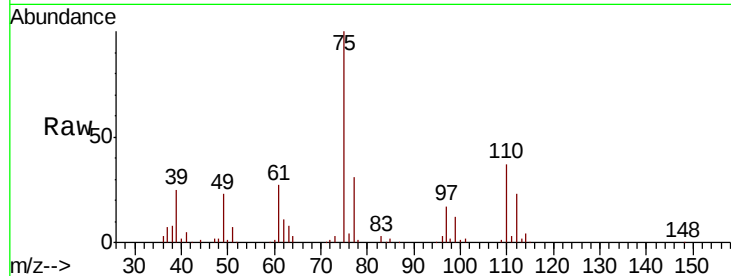




#59
 1,2,3-Trichloropropane
 Concen: 4.825 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

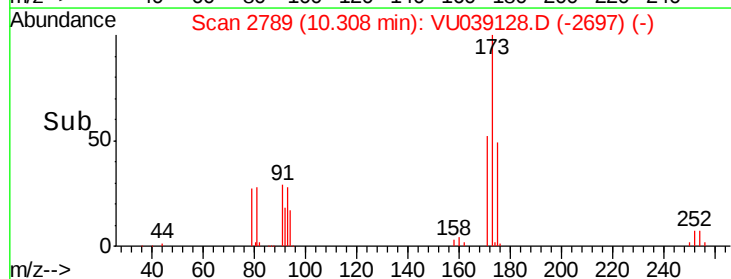
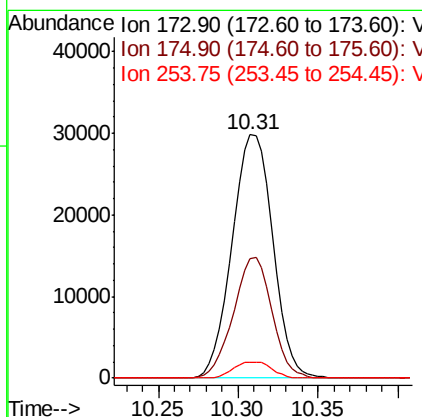
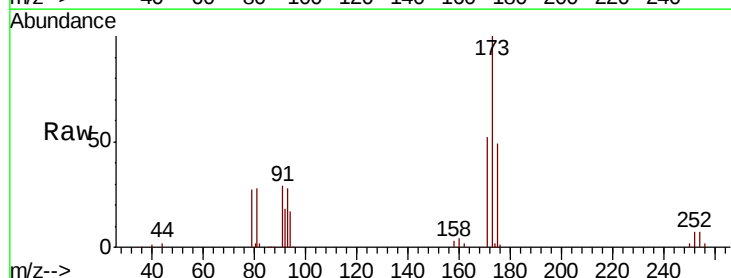
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

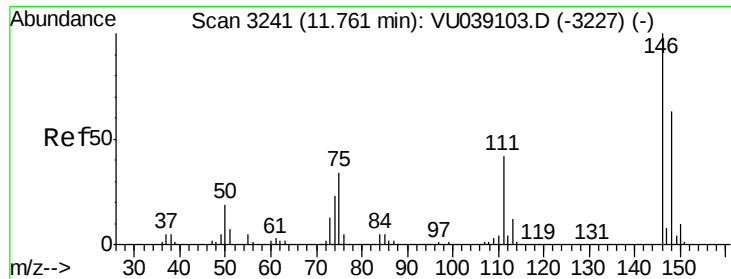
Tot Ion: 75 Resp: 83289
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.2 39.2



#61
 Bromoform
 Concen: 4.671 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion:173 Resp: 51842
 Ion Ratio Lower Upper
 173 100
 175 46.7 39.3 58.9
 254 6.3 4.4 6.6

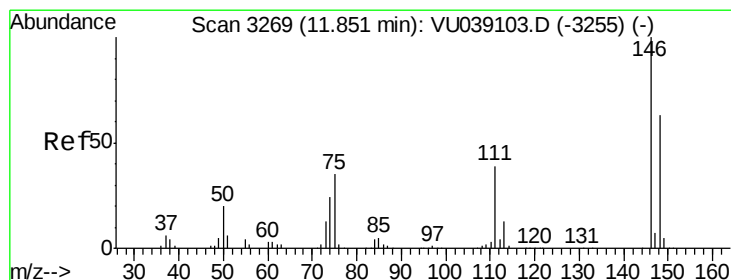
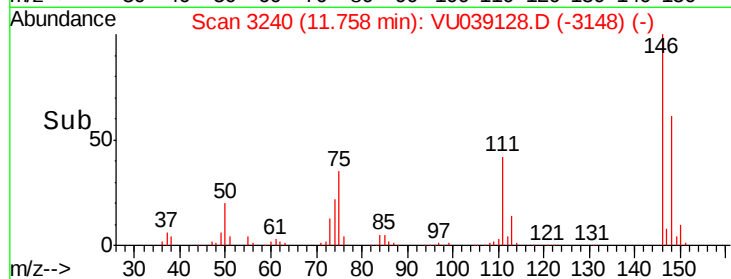
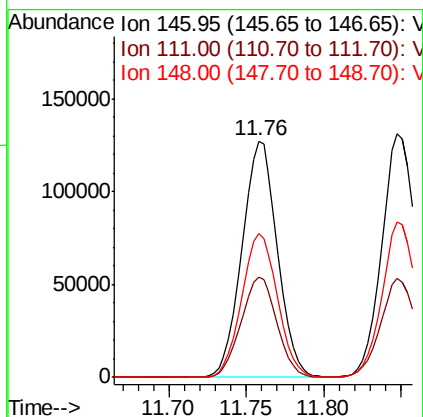
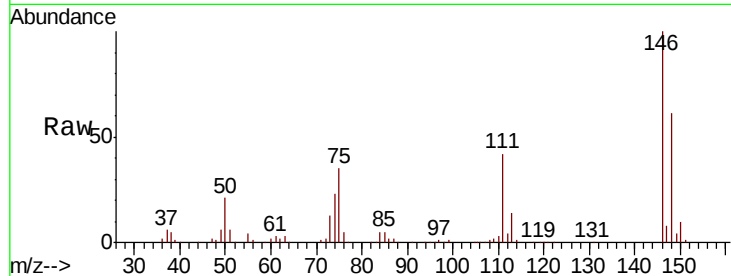




#62
 1,3-Dichlorobenzene
 Concen: 5.001 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

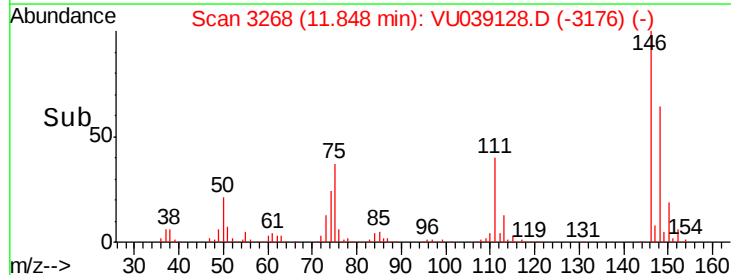
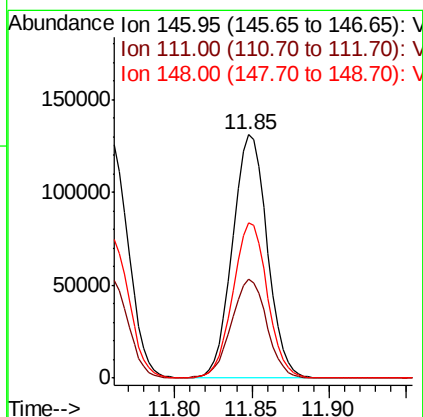
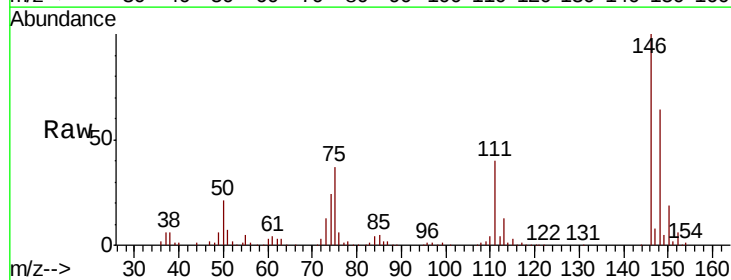
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

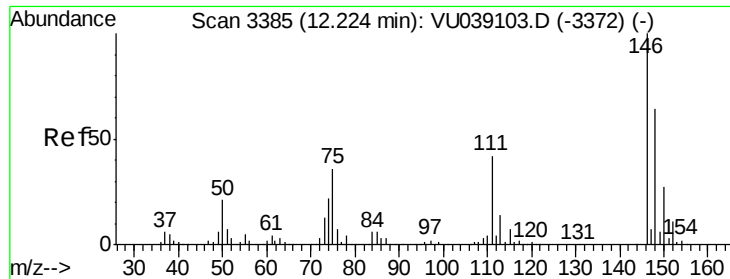
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	29.5	54.9
148	60.9	44.5	82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.903 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	28.4	52.8
148	63.9	43.4	80.6





#65

1,2-Dichlorobenzene

Concen: 4.817 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

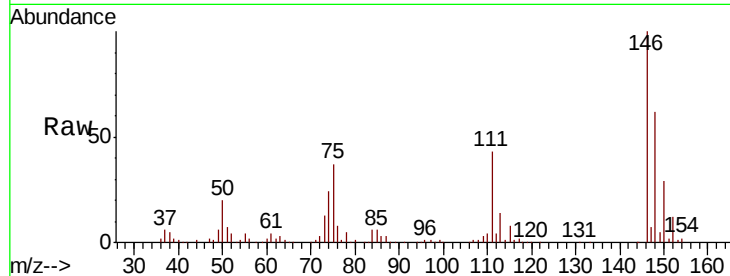
Tot Ion:146 Resp: 195147

Ion Ratio Lower Upper

146 100

111 43.2 34.7 52.1

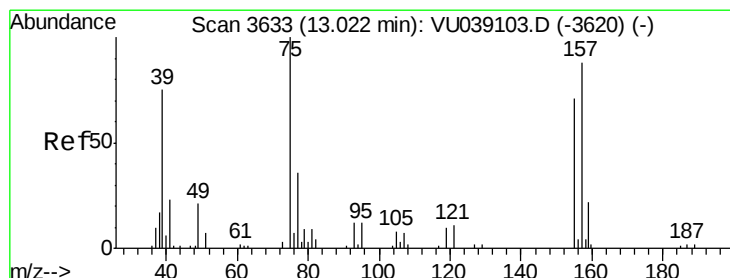
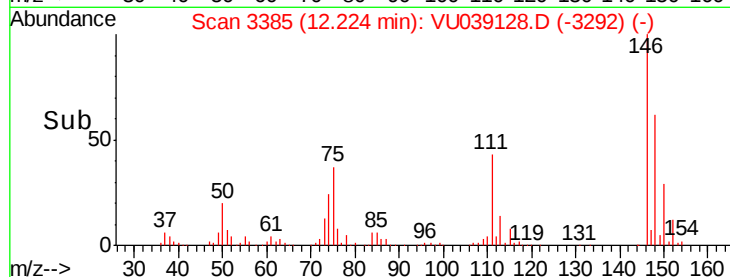
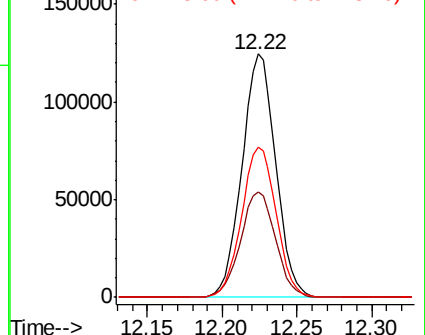
148 61.9 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.510 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

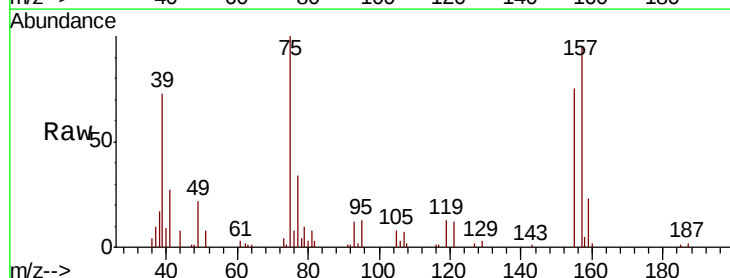
Tgt Ion: 75 Resp: 20153

Ion Ratio Lower Upper

75 100

155 75.1 58.6 88.0

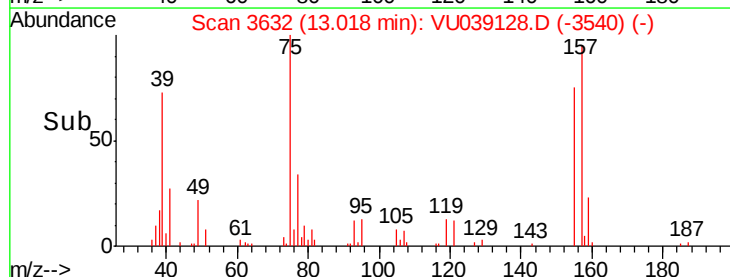
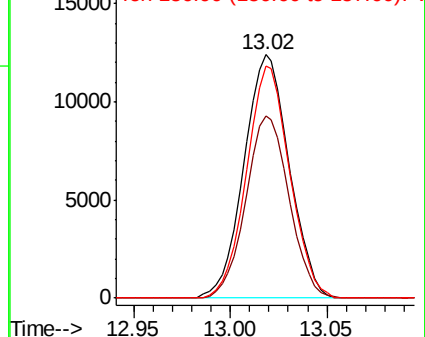
157 95.1 70.3 105.5

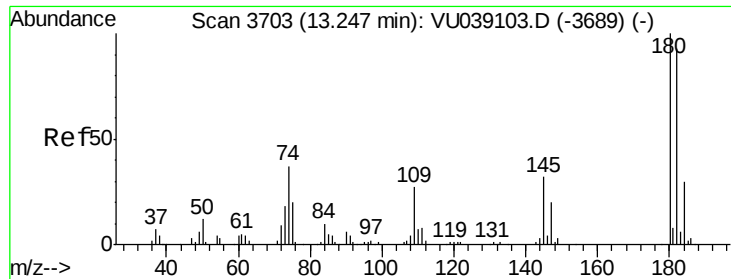


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

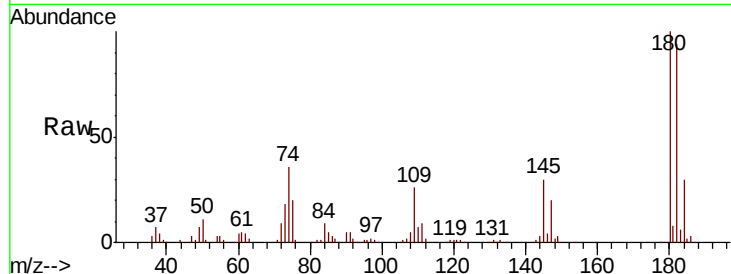




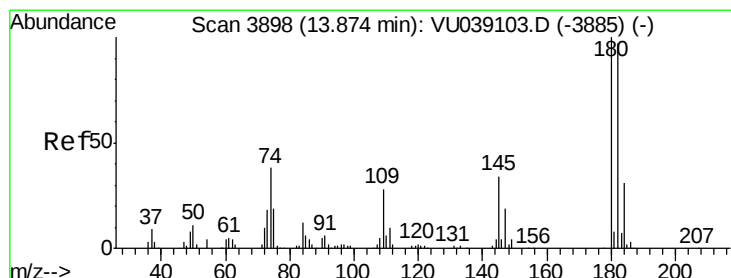
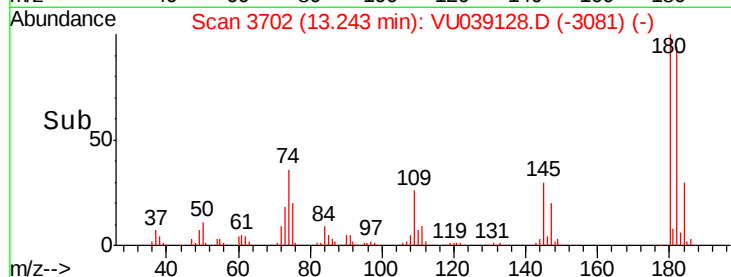
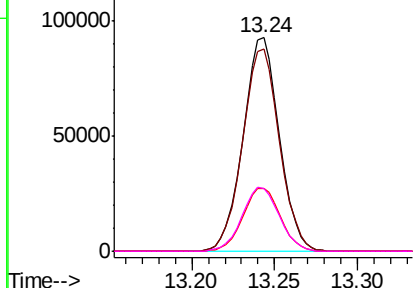
#67
 1,3,5-Trichlorobenzene
 Concen: 4.698 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tot Ion:180	Resp:	140484
Ion Ratio	Lower	Upper
180	100	
182	96.3	76.3 114.5
184	30.4	24.2 36.4
145	30.9	25.2 37.8

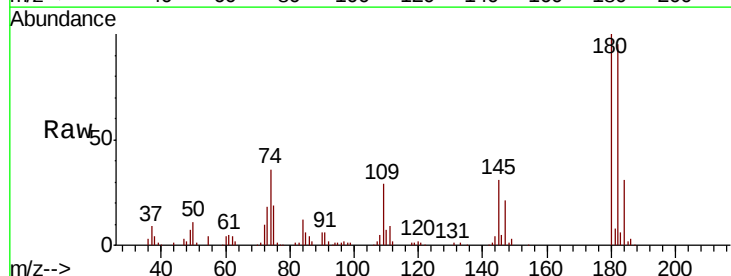


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

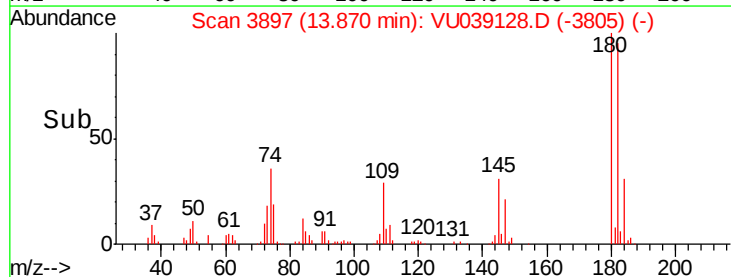
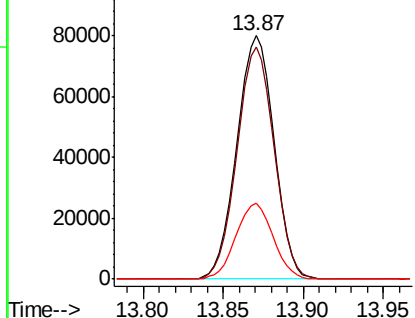


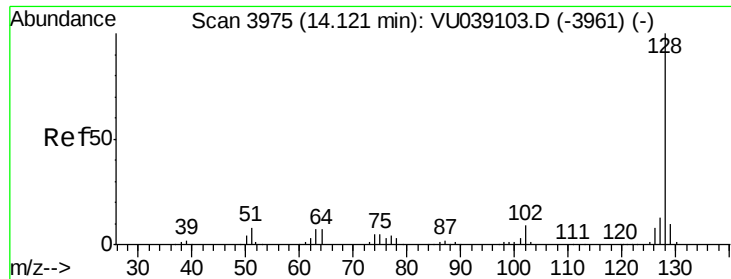
#68
 1,2,4-trichlorobenzene
 Concen: 4.650 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU039128.D
 Acq: 25 Jun 2020 20:46

Tgt Ion:180	Resp:	126654
Ion Ratio	Lower	Upper
180	100	
182	94.9	77.0 115.6
145	31.2	25.4 38.2



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





#69

Naphthalene

Concen: 4.402 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

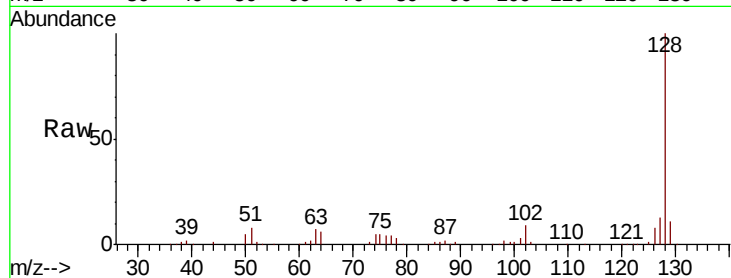
Tot Ion:128 Resp: 255794

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

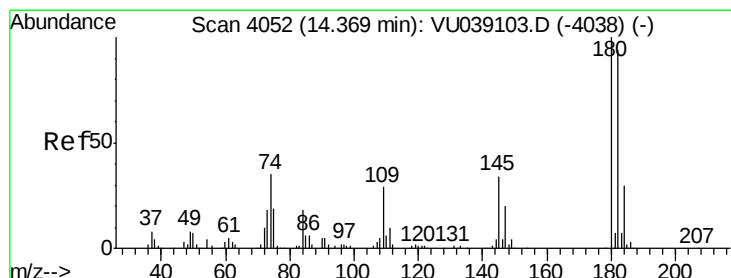
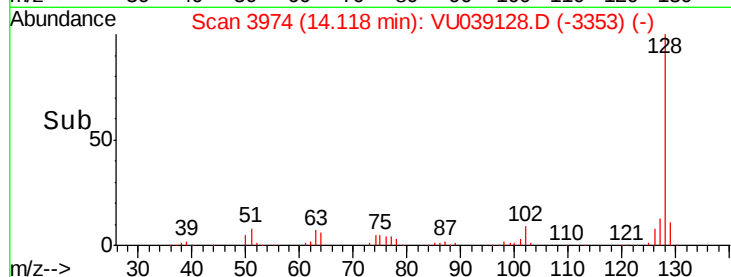
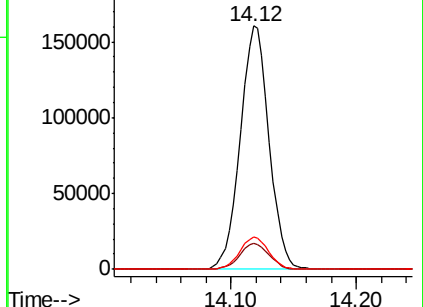
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.664 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU039128.D

Acq: 25 Jun 2020 20:46

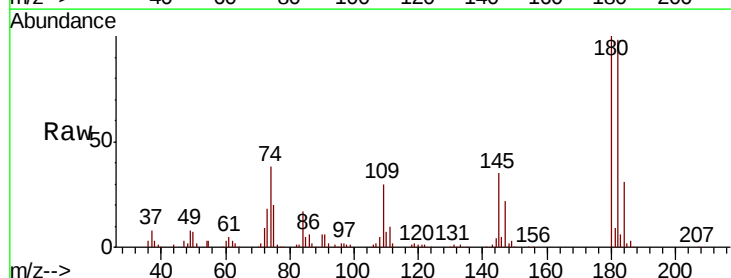
Tgt Ion:180 Resp: 122623

Ion Ratio Lower Upper

180 100

182 95.7 75.8 113.6

145 35.1 27.6 41.4



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

