

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
 Data File : VU039151.D
 Acq On : 26 Jun 2020 06:26
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Quant Time: Jun 26 06:52:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 04:20:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	218719	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	210879	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	101066	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59922	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.93	69	60741	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.59	63	129890	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.68	46	365910	63.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.60%
24) Chloroform-d	5.10	84	161804	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.74	65	101579	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.76	84	272762	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.72	67	96655	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	215677	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.20	79	41971	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.65	63	274721	62.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.66%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	100859	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	86067	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	84929	4.339	ug/L 99
3) Chloromethane	1.53	50	108157	5.134	ug/L 97
5) Vinyl chloride	1.62	62	103847	4.888	ug/L 98
6) Bromomethane	1.87	94	57203	5.001	ug/L 95
8) Chloroethane	1.95	64	68092	5.317	ug/L 96
9) Trichlorofluoromethane	2.16	101	124940	4.593	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	67828	4.284	ug/L 100
12) 1,1-Dichloroethene	2.60	96	73764	4.870	ug/L 98
13) Acetone	2.68	43	221055	56.316	ug/L 99
14) Carbon disulfide	2.82	76	224337	4.442	ug/L 100
15) Methyl Acetate	2.99	43	52410	5.624	ug/L 98
16) Methylene chloride	3.08	84	100508	5.378	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	241517	5.601	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	77130	4.759	ug/L 98
19) 1,1-Dichloroethane	3.91	63	170762	5.300	ug/L 99
21) 2-Butanone	4.76	43	374854	62.812	ug/L 99
22) cis-1,2-Dichloroethene	4.70	96	89561	5.121	ug/L 95

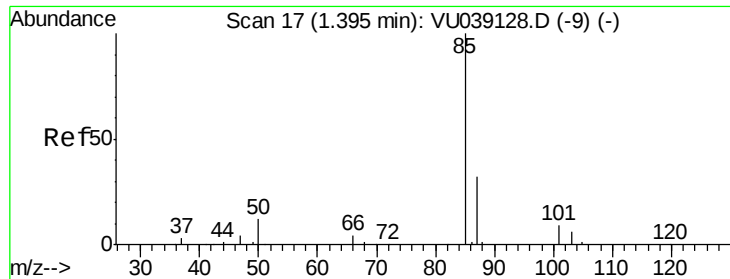
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	44629	5.544	ug/L	94
25) Chloroform	5.12	83	175995	5.437	ug/L	96
27) 1,2-Dichloroethane	5.83	62	131125	5.684	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	134409	5.107	ug/L	99
30) Cyclohexane	5.42	56	98474	4.022	ug/L	98
31) Carbon tetrachloride	5.56	117	104246	4.757	ug/L	100
33) Benzene	5.81	78	349214	5.271	ug/L	100
34) Trichloroethene	6.57	95	78883	4.922	ug/L	99
35) Methylcyclohexane	6.79	83	94058	3.955	ug/L	97
37) 1,2-Dichloropropane	6.82	63	98980	5.514	ug/L	99
38) Bromodichloromethane	7.13	83	126294	5.643	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	129986	5.224	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	828767	61.858	ug/L	100
42) Toluene	7.99	91	332420	5.054	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	123657	5.312	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	77999	5.846	ug/L	96
47) Tetrachloroethene	8.57	164	51720	4.478	ug/L	93
48) 2-Hexanone	8.71	43	628753	64.015	ug/L	99
49) Dibromochloromethane	8.83	129	85228	5.875	ug/L	99
50) 1,2-Dibromoethane	8.94	107	71784	5.691	ug/L #	97
51) Chlorobenzene	9.46	112	206387	4.985	ug/L	100
52) Ethylbenzene	9.59	91	314146	4.544	ug/L	98
53) m,p-Xylene	9.71	106	118272	4.653	ug/L	100
54) o-Xylene	10.11	106	121162	4.962	ug/L	96
55) Styrene	10.13	104	215272	5.020	ug/L	100
56) Isopropylbenzene	10.50	105	283757	4.435	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.80	83	98801	5.538	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	76968	5.687	ug/L	98
61) Bromoform	10.30	173	46608	5.646	ug/L #	99
62) 1,3-Dichlorobenzene	11.75	146	148802	4.952	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	152155	4.916	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	148741	4.936	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	18736	5.637	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	100978	4.540	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	89983	4.442	ug/L	100
69) Naphthalene	14.11	128	196752	4.552	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	90881	4.648	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.339 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

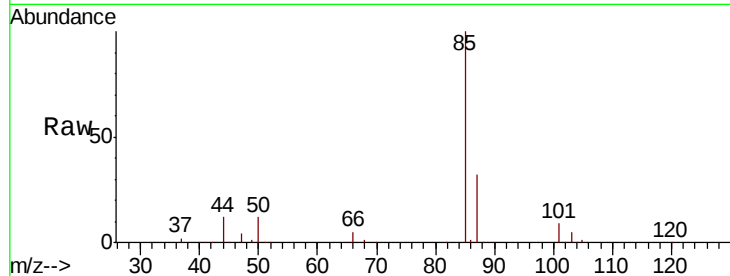
VSTD00518

Tot Ion: 85 Resp: 84929

Ion Ratio Lower Upper

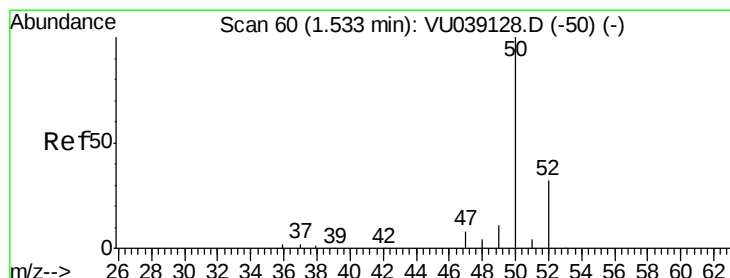
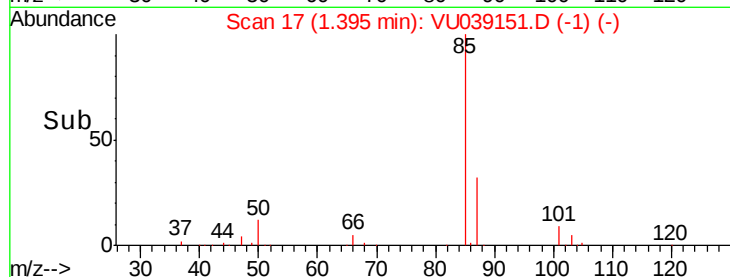
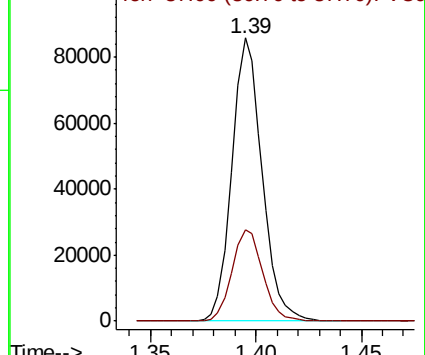
85 100

87 32.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039128.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039128.D (-9) (-)



#3

Chloromethane

Concen: 5.134 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039151.D

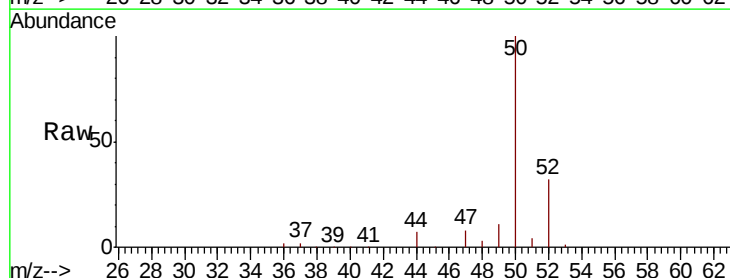
Acq: 26 Jun 2020 06:26

Tgt Ion: 50 Resp: 108157

Ion Ratio Lower Upper

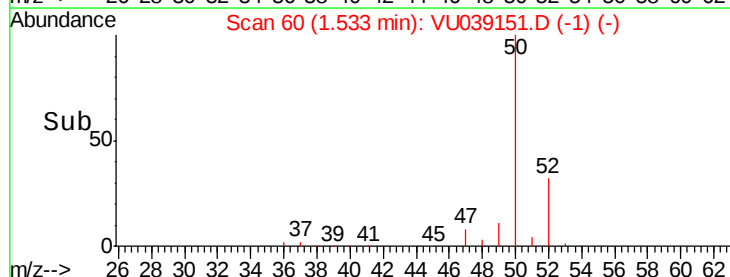
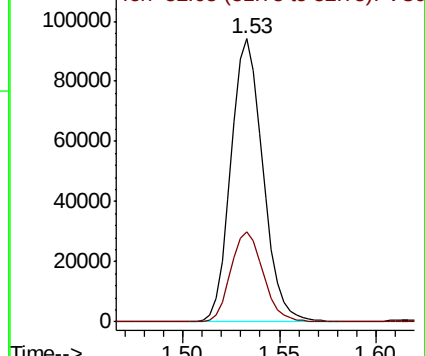
50 100

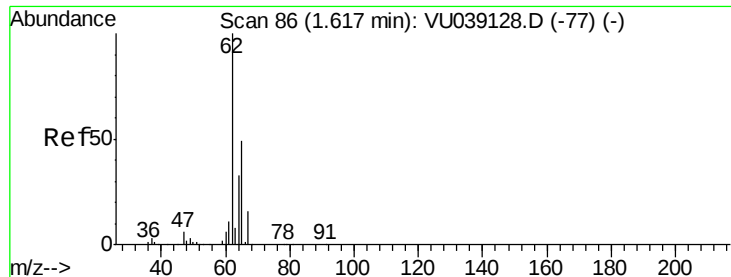
52 31.9 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039128.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039128.D (-50) (-)





#5

Vinyl chloride

Concen: 4.888 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

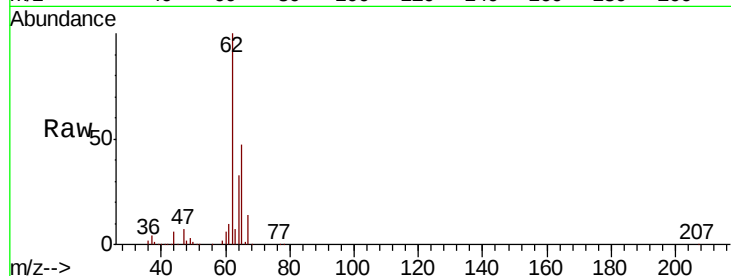
VSTD00518

Tot Ion: 62 Resp: 103847

Ion Ratio Lower Upper

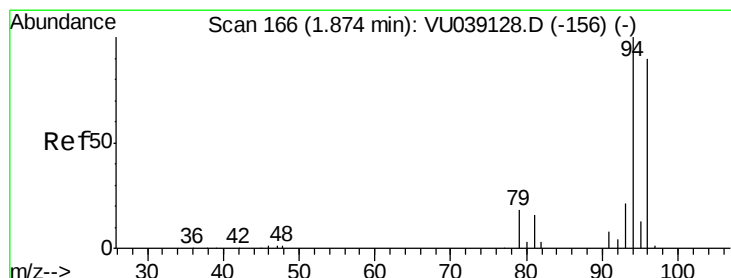
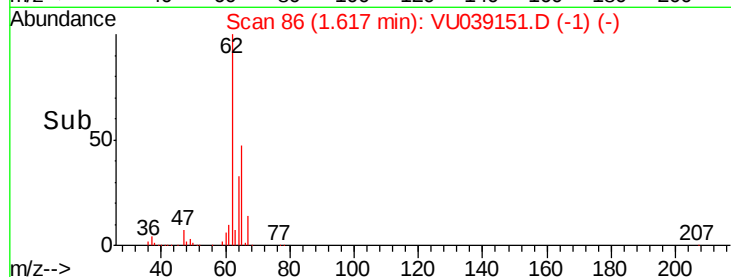
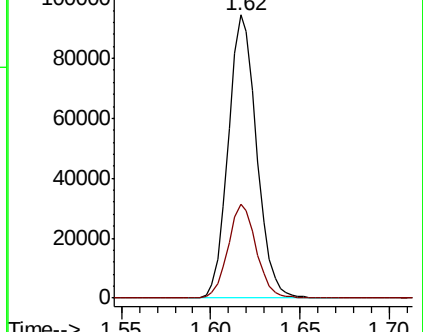
62 100

64 33.3 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039128.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039128.D (-77) (-)



#6

Bromomethane

Concen: 5.001 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU039151.D

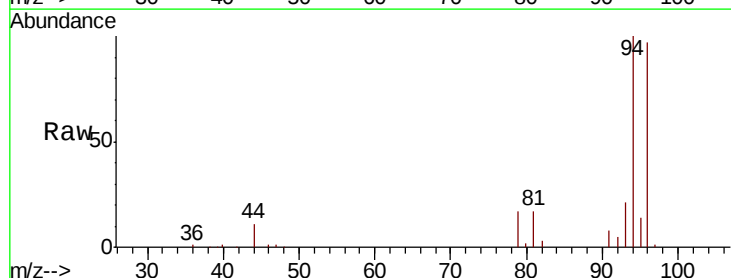
Acq: 26 Jun 2020 06:26

Tgt Ion: 94 Resp: 57203

Ion Ratio Lower Upper

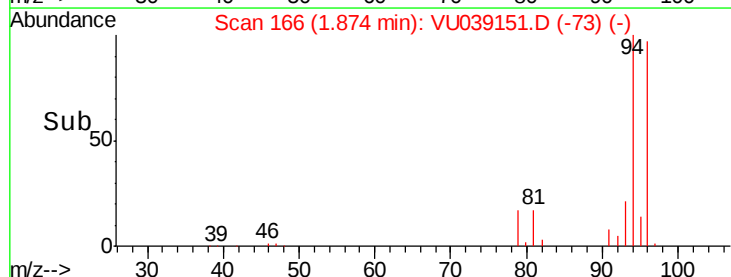
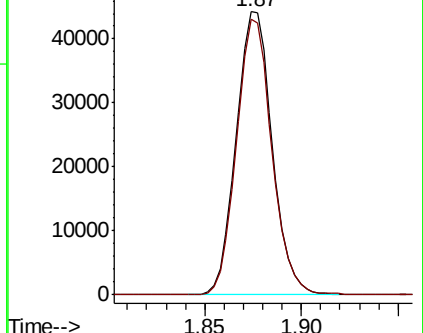
94 100

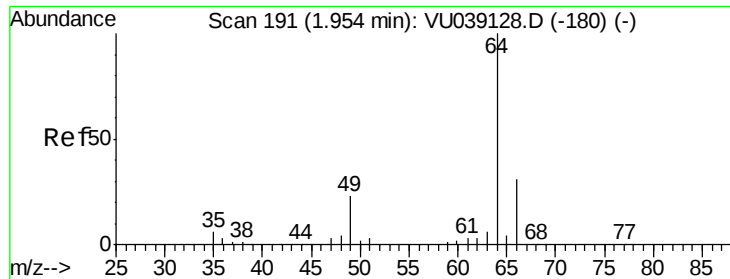
96 97.2 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039128.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039128.D (-156) (-)





#8

Chloroethane

Concen: 5.317 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

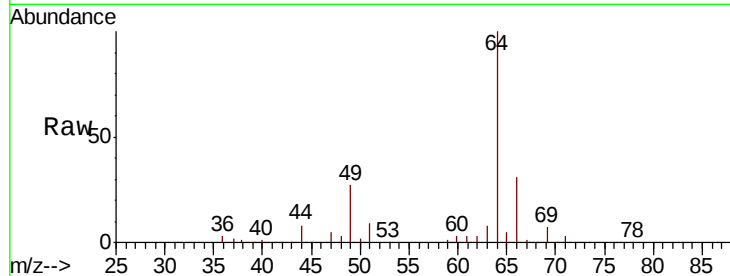
VSTD00518

Tot Ion: 64 Resp: 68092

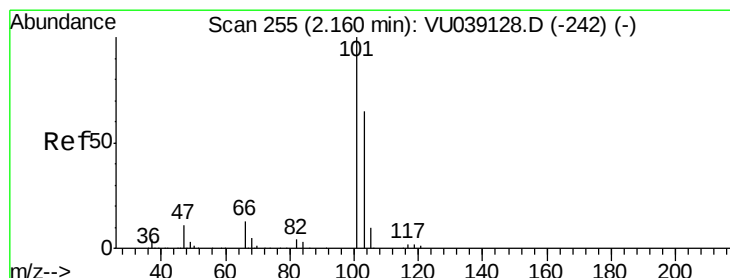
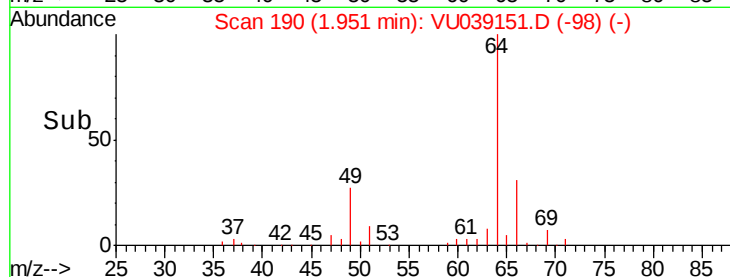
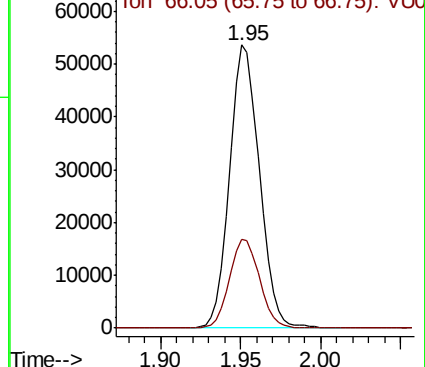
Ion Ratio Lower Upper

64 100

66 31.4 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039128.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.593 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039151.D

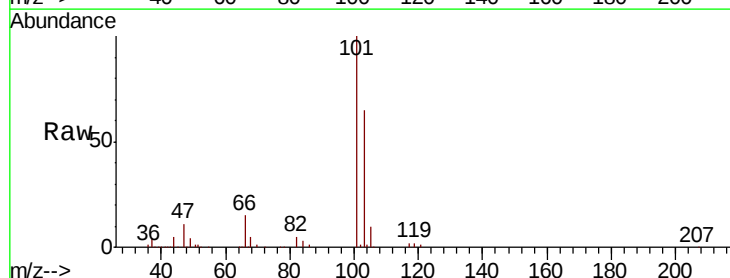
Acq: 26 Jun 2020 06:26

Tgt Ion:101 Resp: 124940

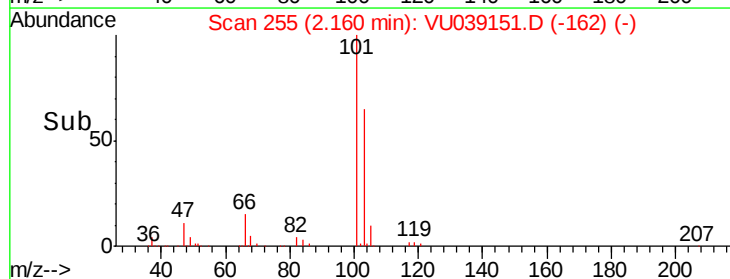
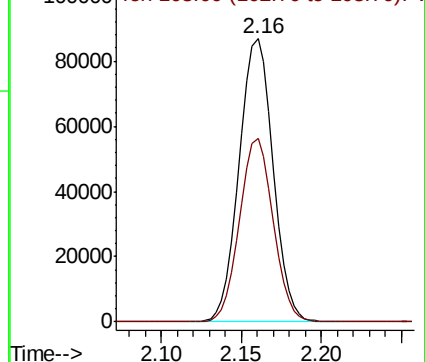
Ion Ratio Lower Upper

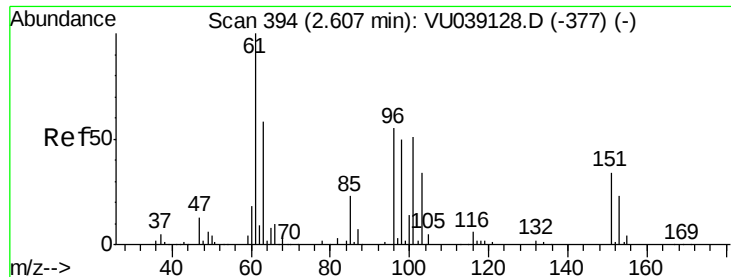
101 100

103 64.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039128.D (-242) (-)





#10

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

Concen: 4.284 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

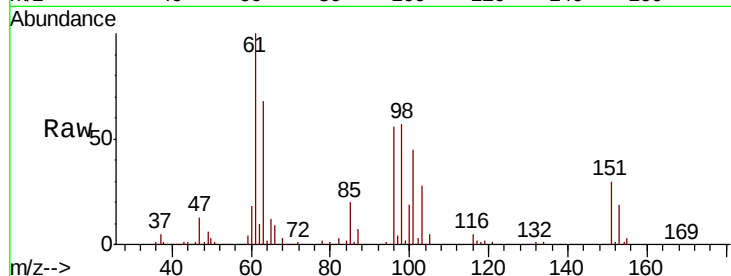
Tot Ion:101 Resp: 67828

Ion Ratio Lower Upper

101 100

85 44.8 36.2 54.4

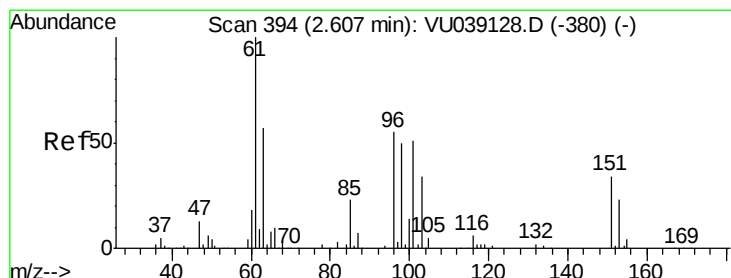
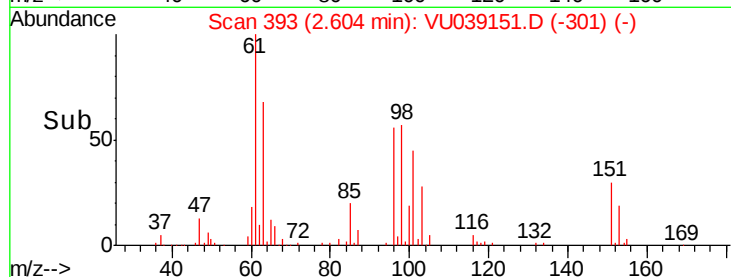
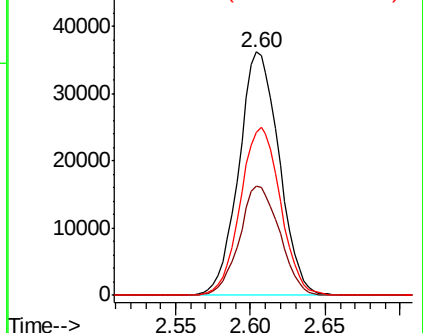
151 68.8 55.0 82.6



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: 4.870 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

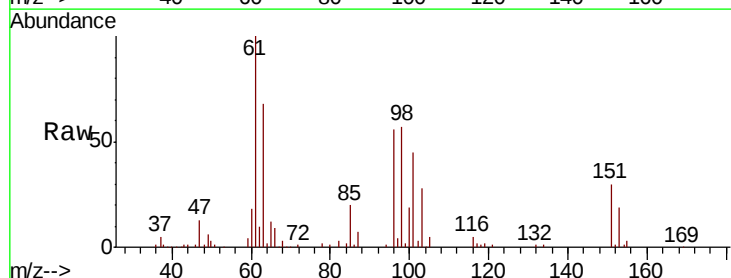
Tgt Ion: 96 Resp: 73764

Ion Ratio Lower Upper

96 100

61 179.8 125.1 232.3

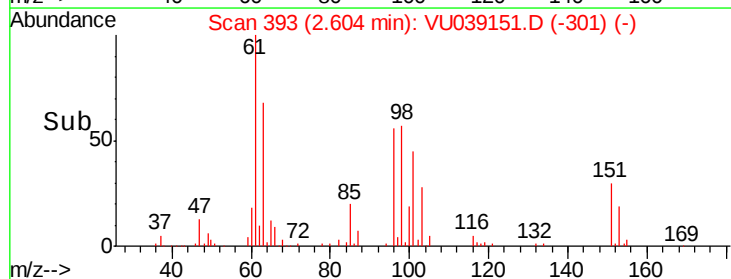
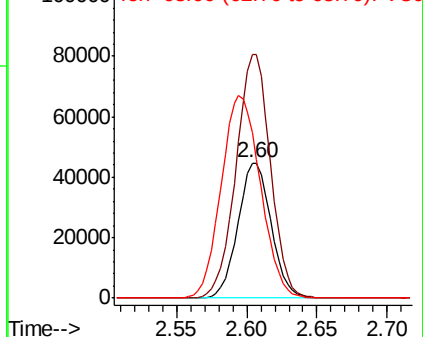
63 122.7 82.3 152.8

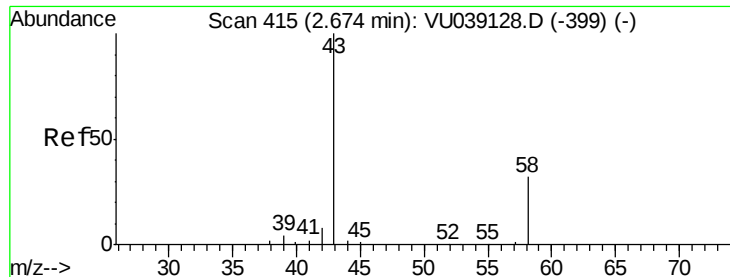


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.316 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

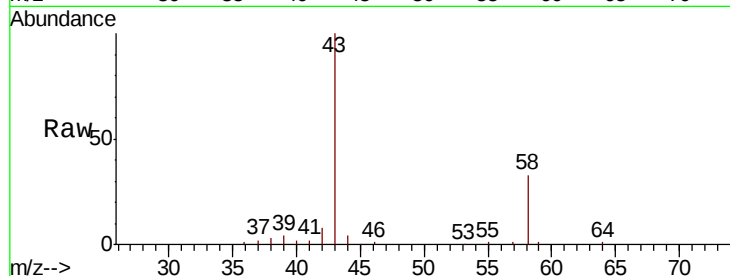
VSTD00518

Tot Ion: 43 Resp: 221055

Ion Ratio Lower Upper

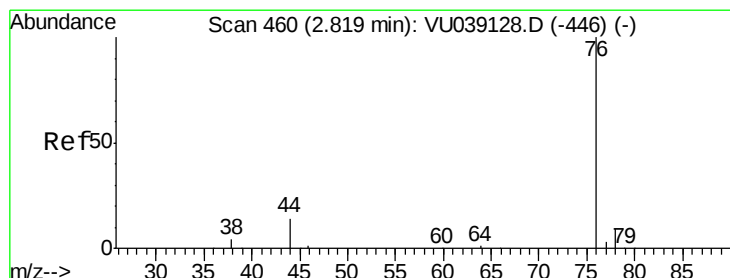
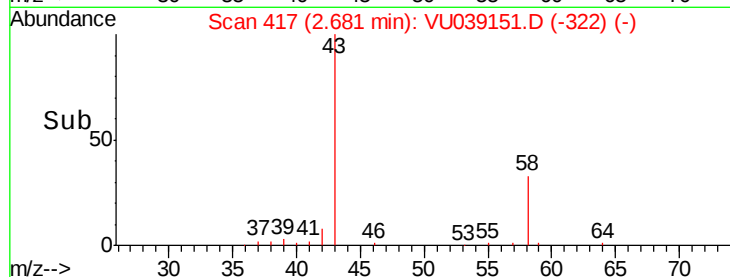
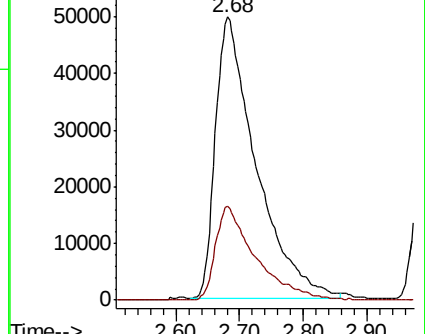
43 100

58 32.8 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039128.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU039128.D (-399) (-)



#14

Carbon disulfide

Concen: 4.442 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU039151.D

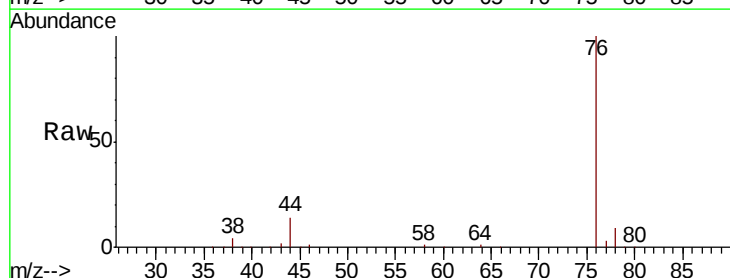
Acq: 26 Jun 2020 06:26

Tgt Ion: 76 Resp: 224337

Ion Ratio Lower Upper

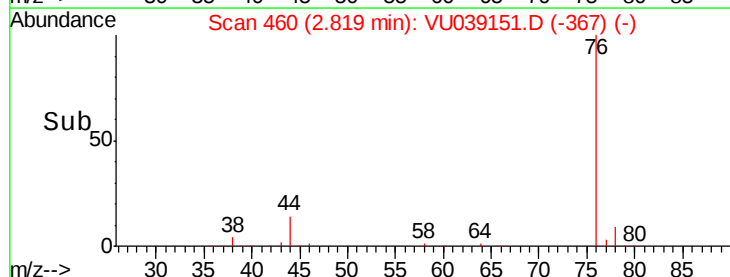
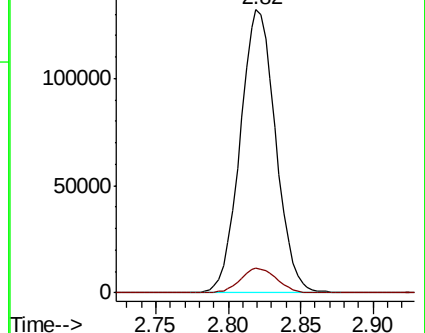
76 100

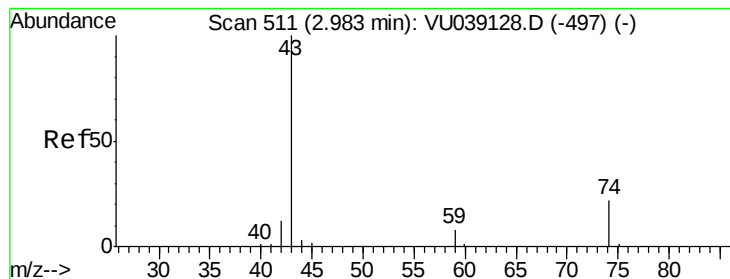
78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039128.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039128.D (-446) (-)





#15

Methvl Acetate

Concen: 5.624 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

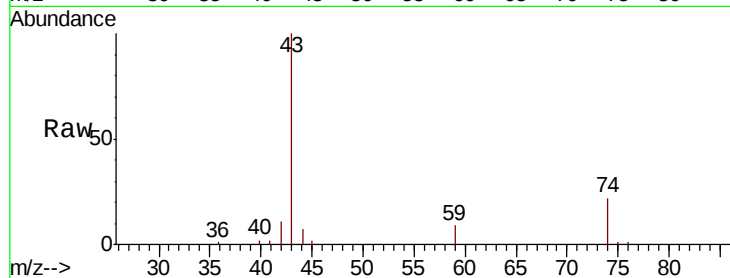
VSTD00518

Tot Ion: 43 Resp: 52410

Ion Ratio Lower Upper

43 100

74 21.9 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

25000

20000

15000

10000

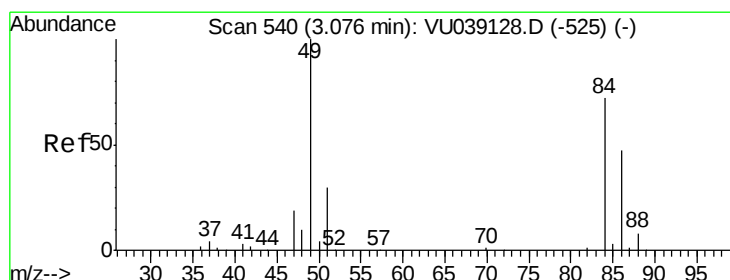
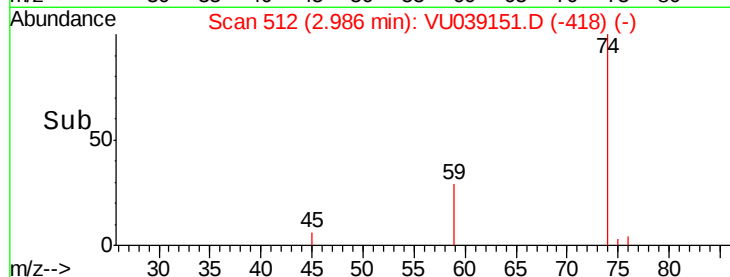
5000

0

Time-->

2.90 2.95 3.00 3.05 3.10

2.99



#16

Methylene chloride

Concen: 5.378 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

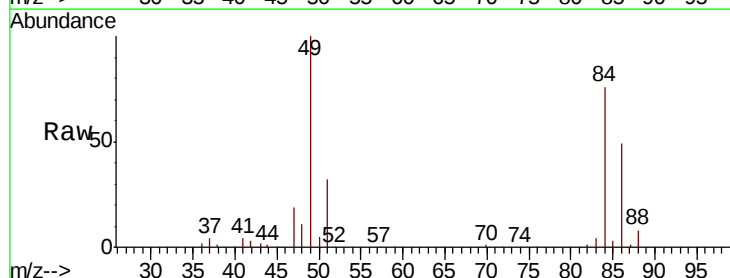
Tgt Ion: 84 Resp: 100508

Ion Ratio Lower Upper

84 100

86 64.7 44.1 81.9

49 131.7 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

80000

60000

40000

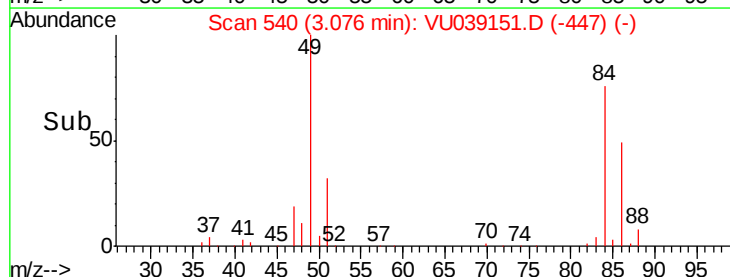
20000

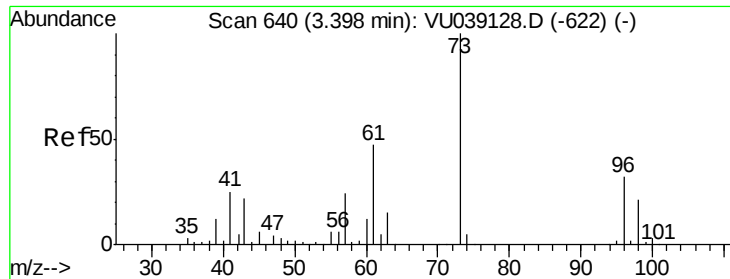
0

Time-->

3.00 3.05 3.10 3.15

3.08

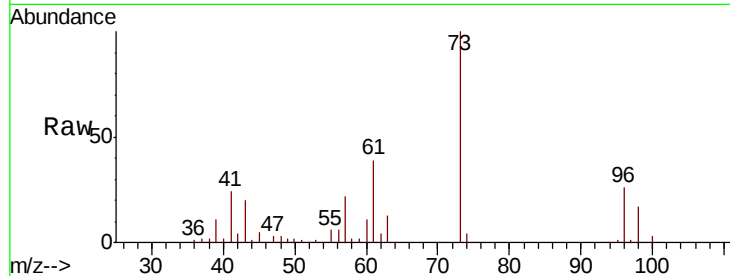




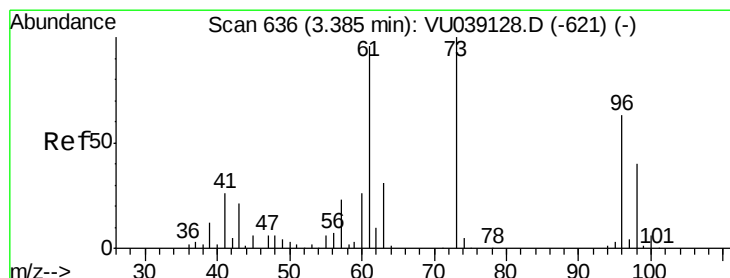
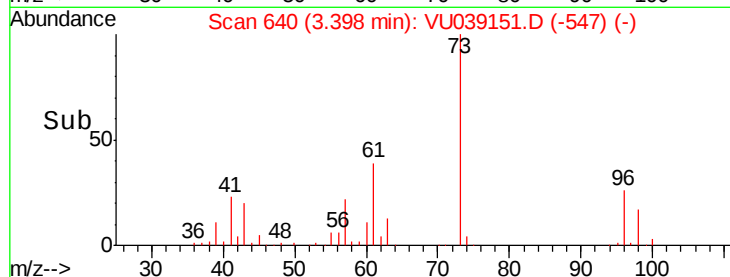
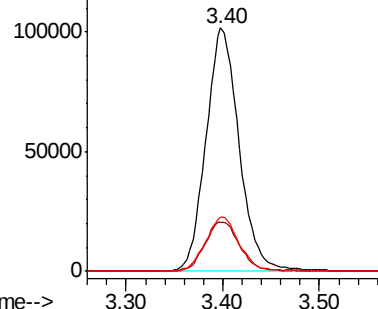
#17
Methvl tert-butvl Ether
Concen: 5.601 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion: 73 Resp: 241517
Ion Ratio Lower Upper
73 100
43 21.0 16.6 24.8
57 22.6 18.2 27.4

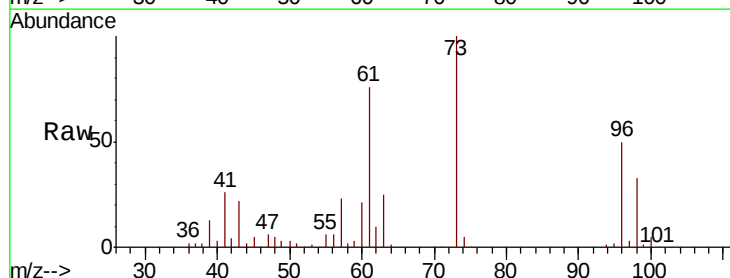


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

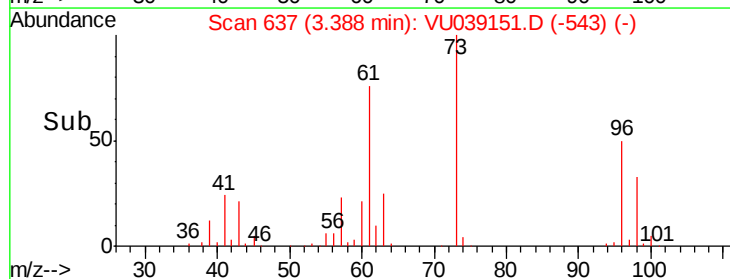
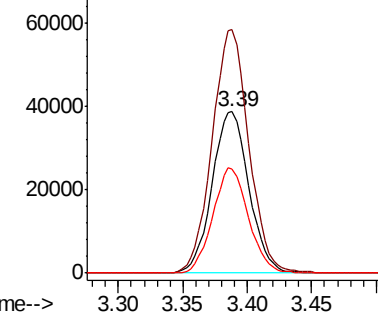


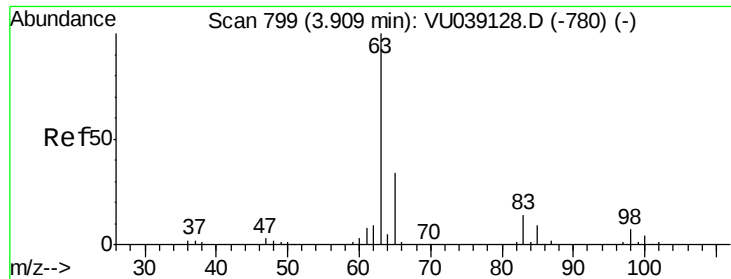
#18
trans-1,2-Dichloroethene
Concen: 4.759 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion: 96 Resp: 77130
Ion Ratio Lower Upper
96 100
61 151.2 103.5 192.3
98 65.0 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

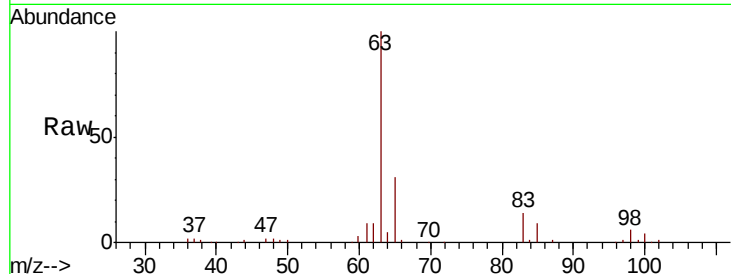




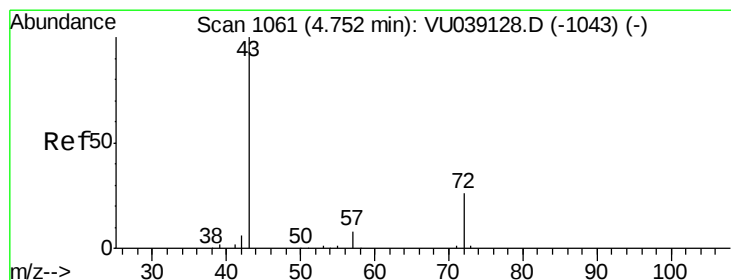
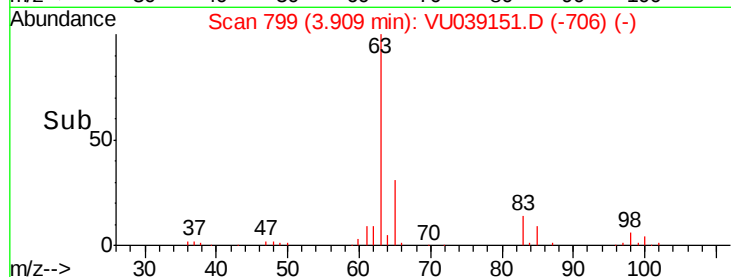
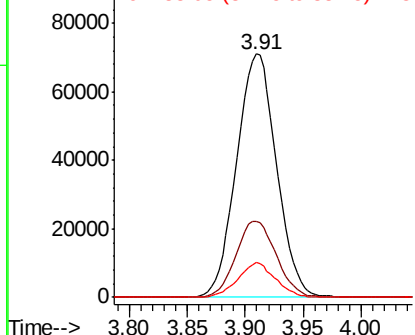
#19
 1,1-Dichloroethane
 Concen: 5.300 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion: 63 Resp: 170762
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.1 41.1
 83 14.1 9.3 17.3

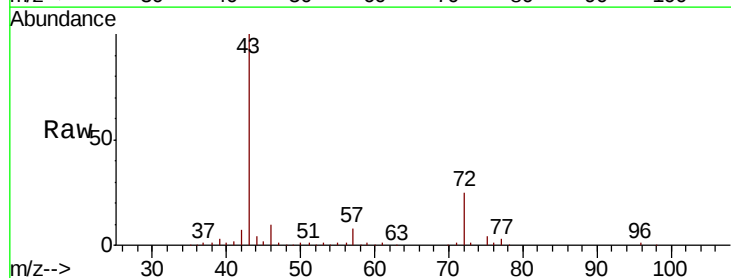


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

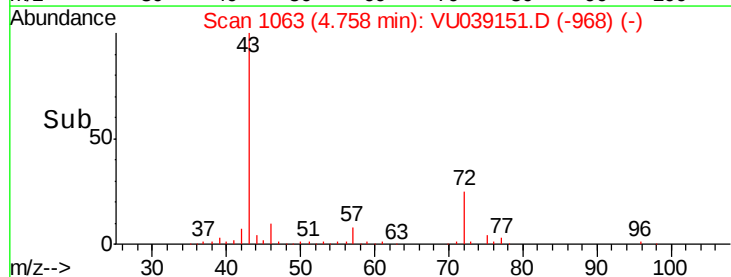
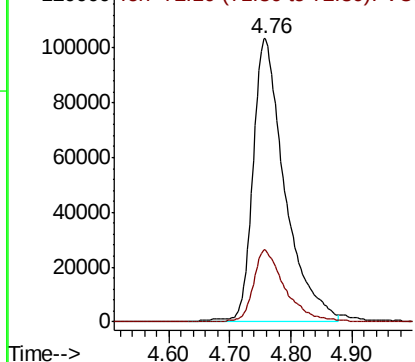


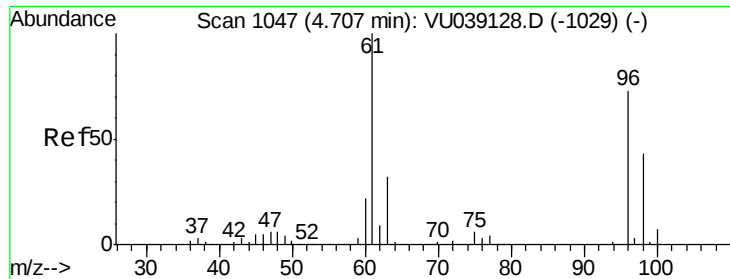
#21
 2-Butanone
 Concen: 62.812 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion: 43 Resp: 374854
 Ion Ratio Lower Upper
 43 100
 72 25.5 13.1 39.3



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

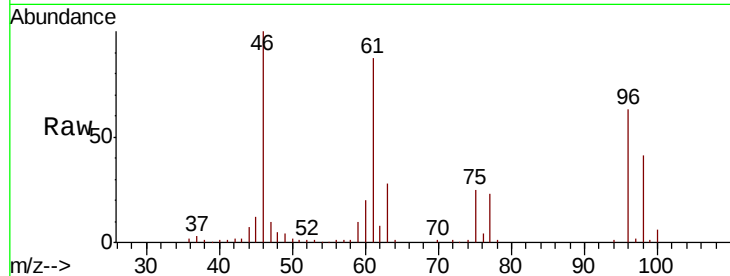




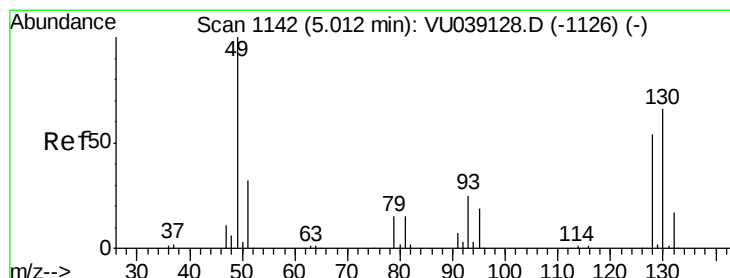
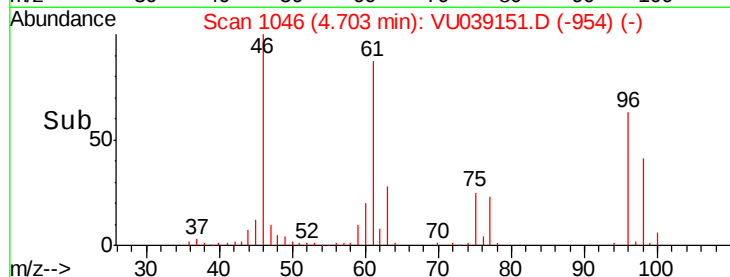
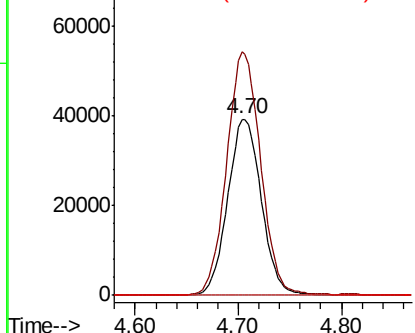
#22
 cis-1,2-Dichloroethene
 Concen: 5.121 ug/L
 RT: 4.70 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion: 96 Resp: 89561
 Ion Ratio Lower Upper
 96 100
 61 138.3 100.8 187.2
 68 0.0 0.0 0.0

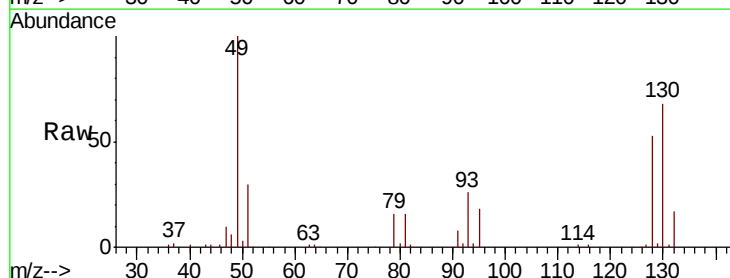


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

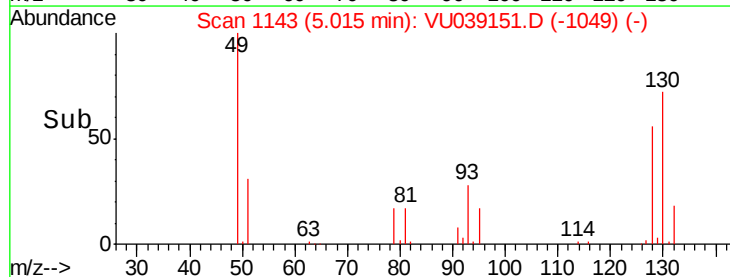
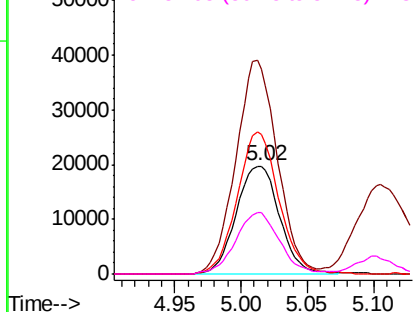


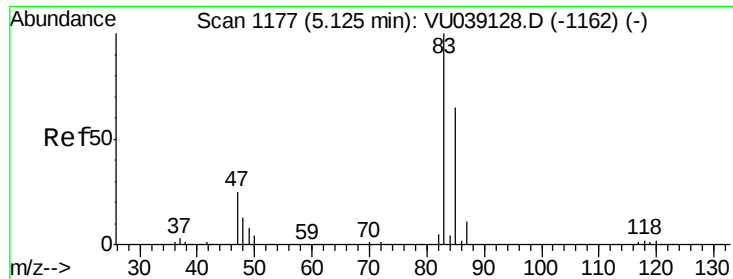
#23
 Bromochloromethane
 Concen: 5.544 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion: 128 Resp: 44629
 Ion Ratio Lower Upper
 128 100
 49 189.4 127.3 236.5
 130 129.2 84.4 156.7
 51 56.9 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

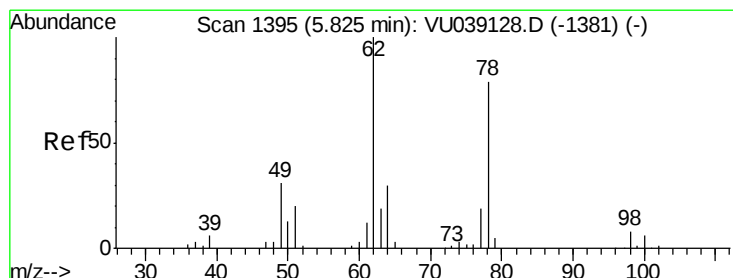
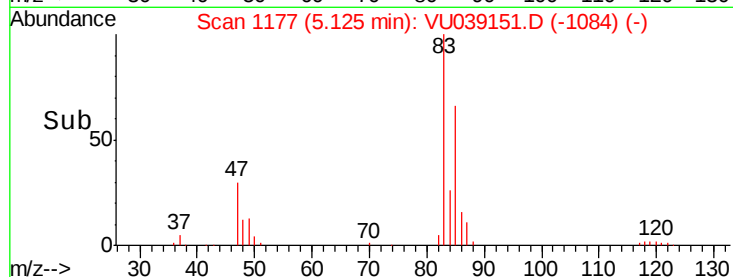
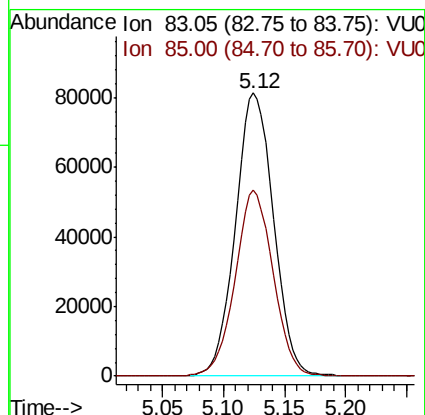
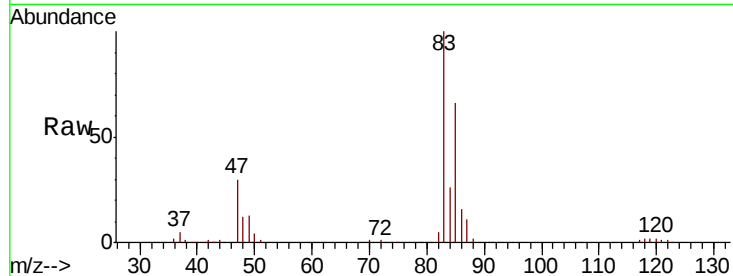




#25
Chloroform
Concen: 5.437 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

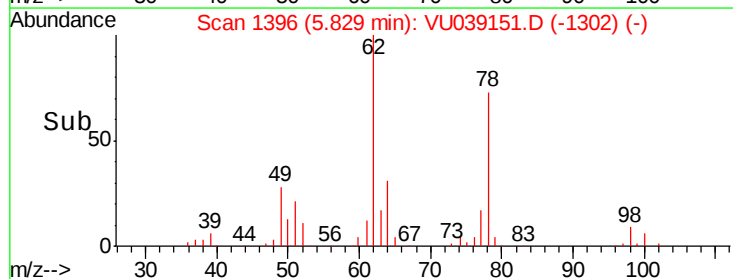
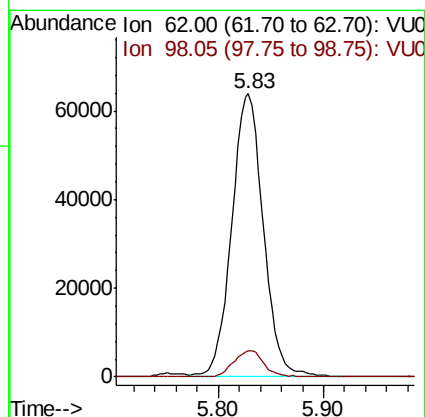
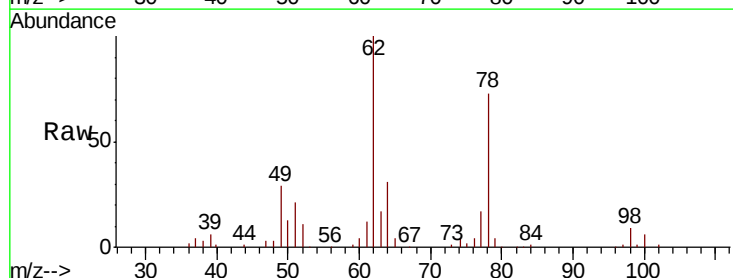
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

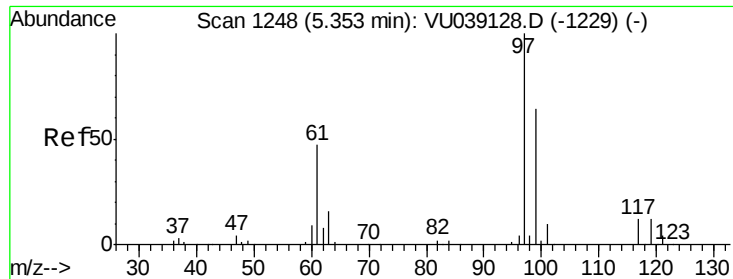
Tot Ion: 83 Resp: 175995
Ion Ratio Lower Upper
83 100
85 65.9 43.8 81.4



#27
1,2-Dichloroethane
Concen: 5.684 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion: 62 Resp: 131125
Ion Ratio Lower Upper
62 100
98 9.1 7.7 11.5

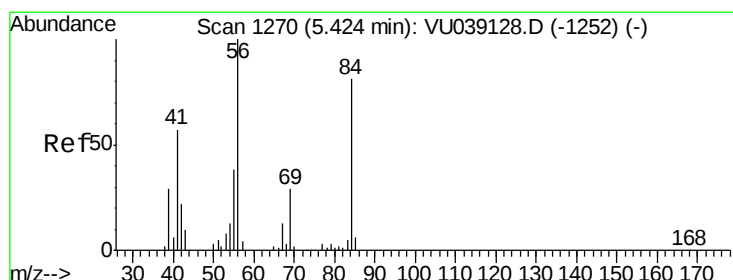
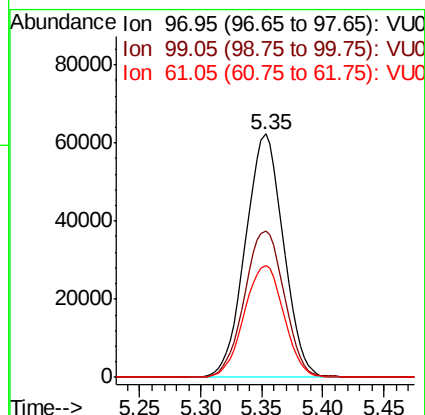
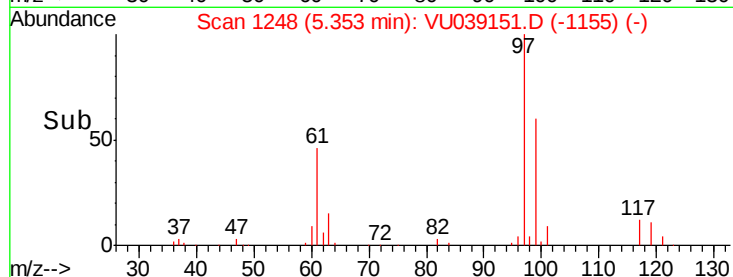
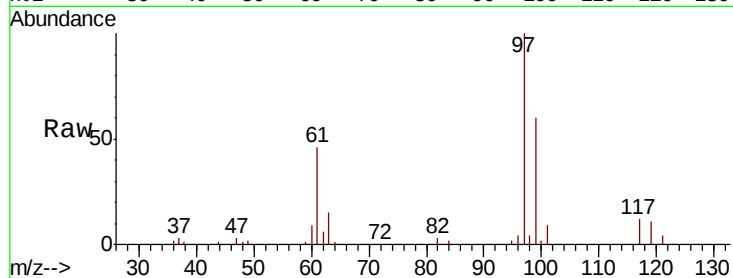




#29
1,1,1-Trichloroethane
Concen: 5.107 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

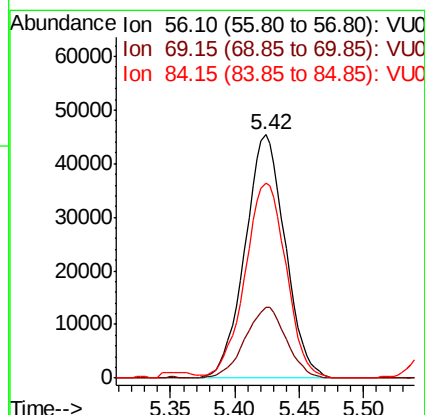
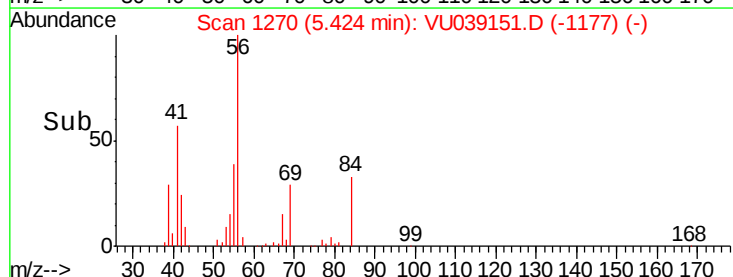
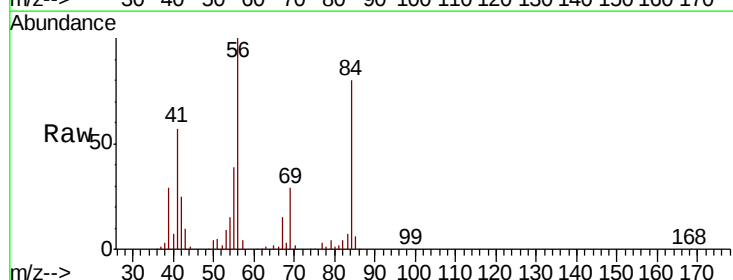
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

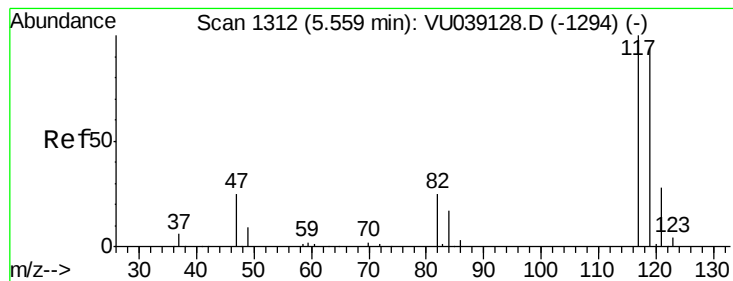
Tot Ion: 97 Resp: 134409
Ion Ratio Lower Upper
97 100
99 63.1 50.3 75.5
61 48.0 37.8 56.6



#30
Cyclohexane
Concen: 4.022 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion: 56 Resp: 98474
Ion Ratio Lower Upper
56 100
69 29.8 23.3 34.9
84 82.1 67.1 100.7





#31

Carbon tetrachloride

Concen: 4.757 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

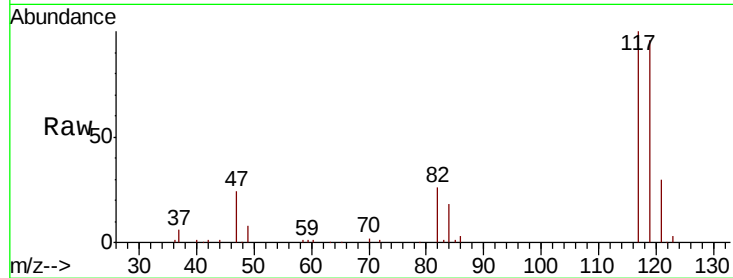
VSTD00518

Tot Ion:117 Resp: 104246

Ion Ratio Lower Upper

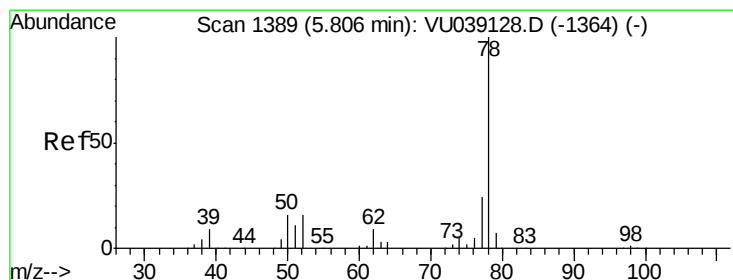
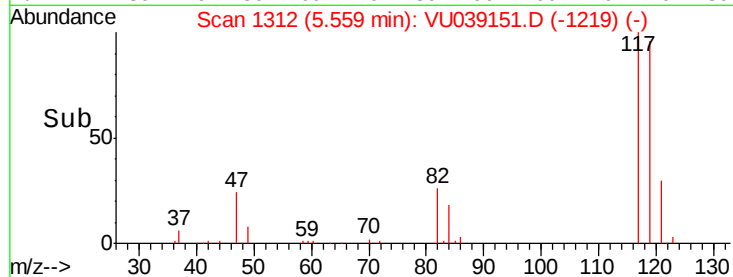
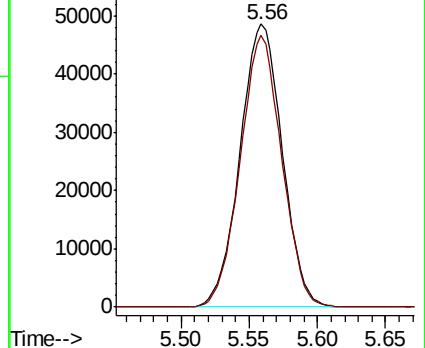
117 100

119 94.3 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: 5.271 ug/L

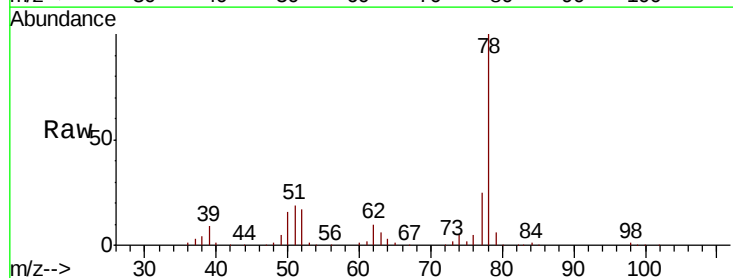
RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Tgt Ion: 78 Resp: 349214



Abundance Ion 78.10 (77.80 to 78.80): VU0

200000

150000

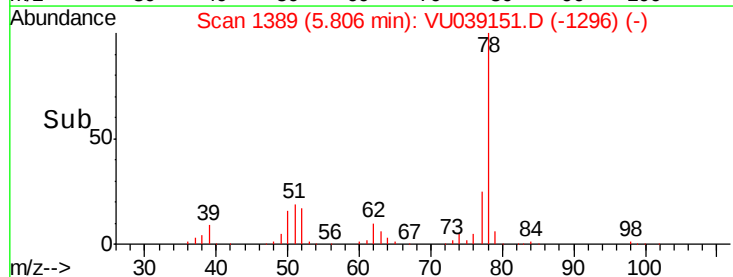
100000

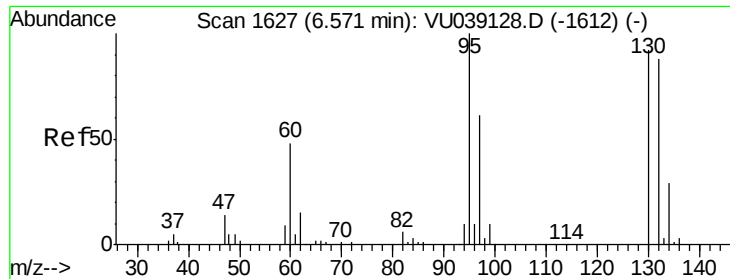
50000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 4.922 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tot Ion: 95 Resp: 78883

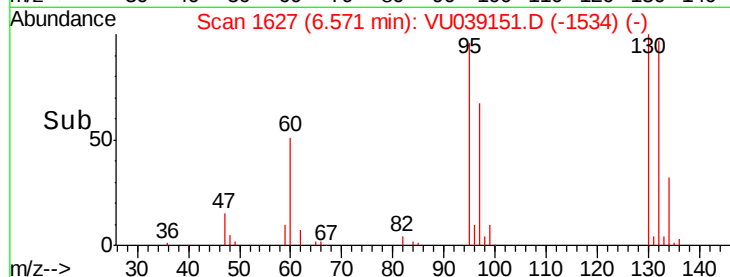
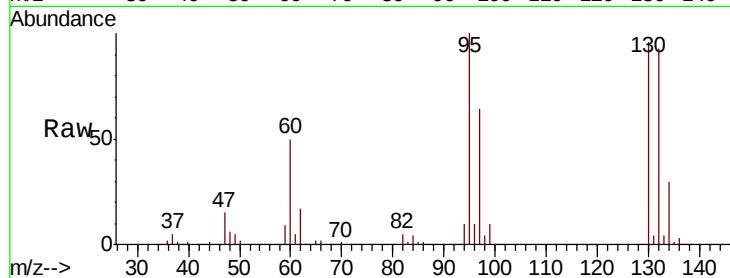
Ion Ratio Lower Upper

95 100

97 63.7 45.1 83.7

132 92.6 65.1 120.9

130 95.6 68.6 127.4

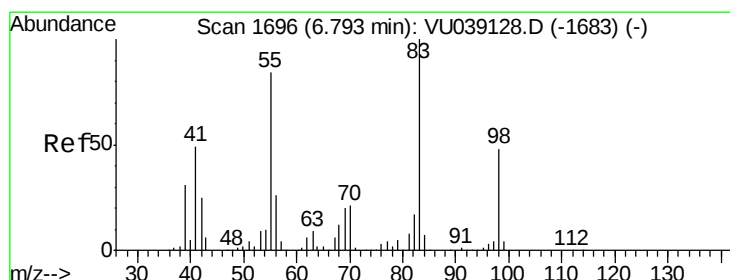
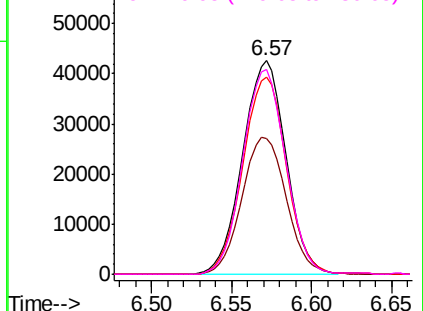


Abundance Ion 95.00 (94.70 to 95.70): VU039151.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU039151.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU039151.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU039151.D (-1534) (-)



#35

Methylcyclohexane

Concen: 3.955 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

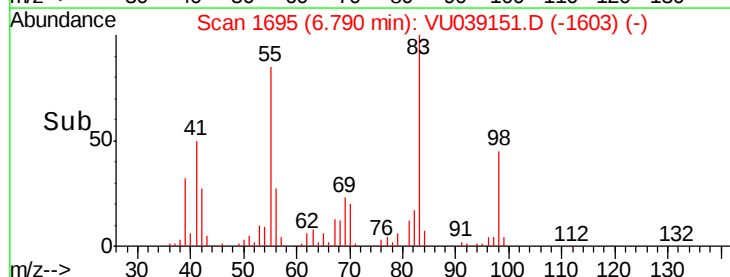
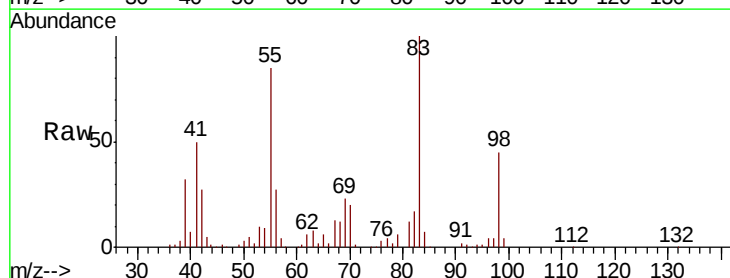
Tgt Ion: 83 Resp: 94058

Ion Ratio Lower Upper

83 100

55 85.1 65.5 98.3

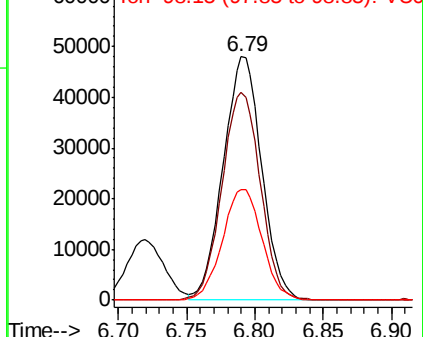
98 46.7 36.5 54.7

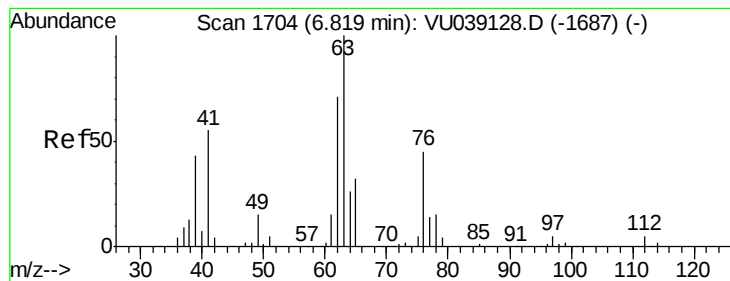


Abundance Ion 83.15 (82.85 to 83.85): VU039151.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU039151.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU039151.D (-1603) (-)





#37

1,2-Dichloropropane

Concen: 5.514 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

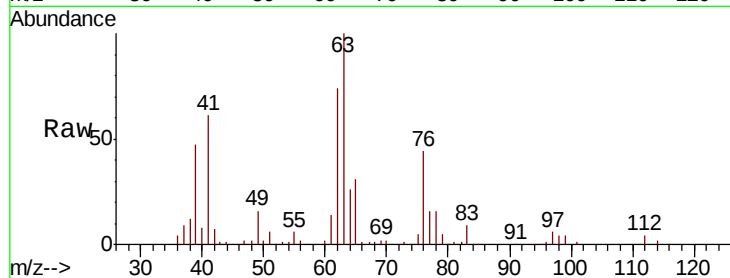
VSTD00518

Tot Ion: 63 Resp: 98980

Ion Ratio Lower Upper

63 100

112 3.9 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039128.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU039128.D (-1687) (-)

6.82

50000

40000

30000

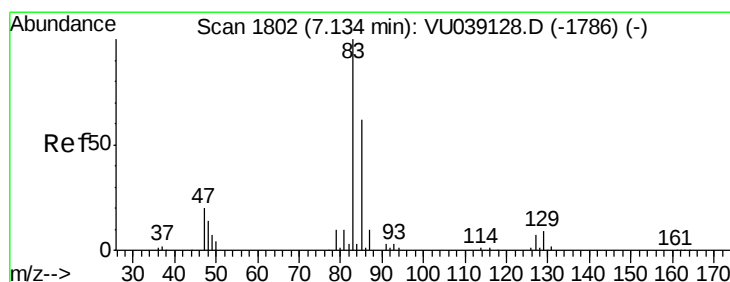
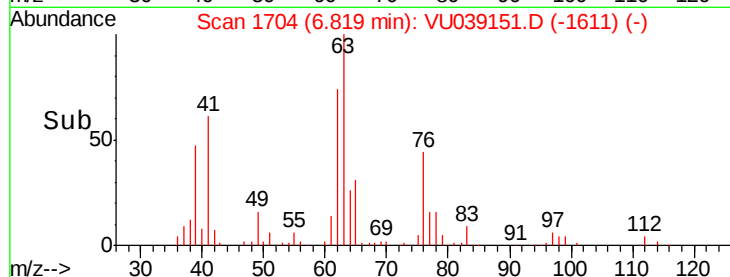
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.643 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

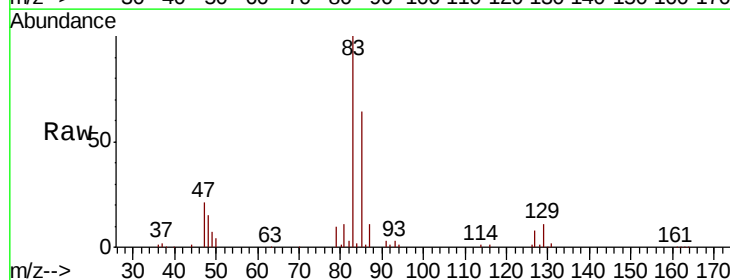
Tgt Ion: 83 Resp: 126294

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.3

127 8.1 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU039128.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU039128.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU039128.D (-1786) (-)

7.13

80000

60000

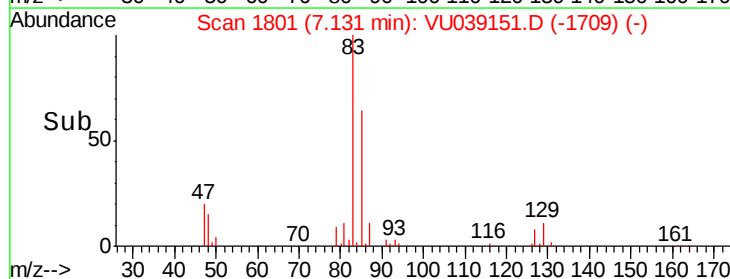
40000

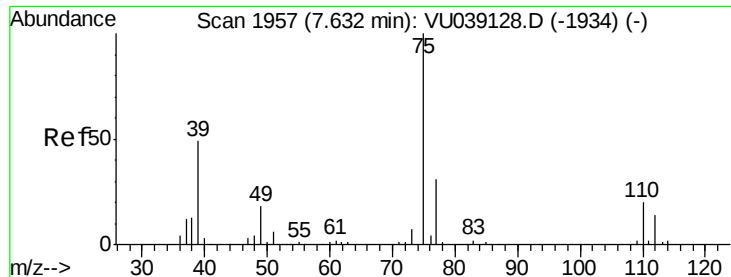
20000

0

7.05 7.10 7.15 7.20 7.25

Time-->

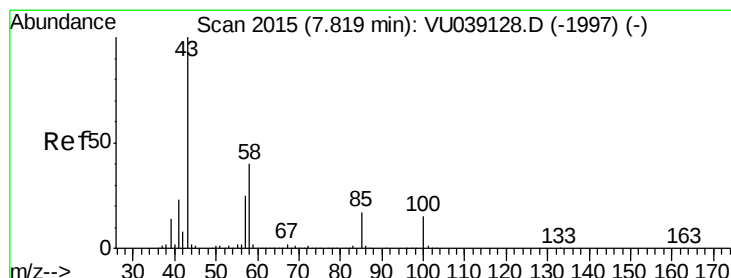
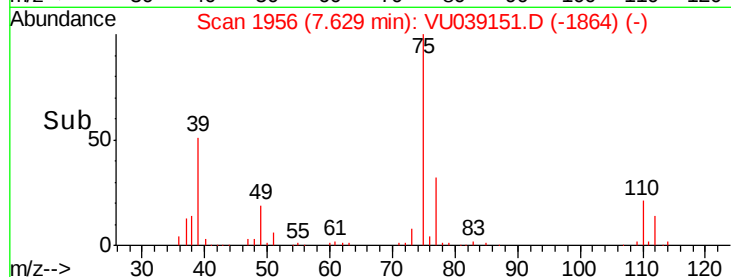
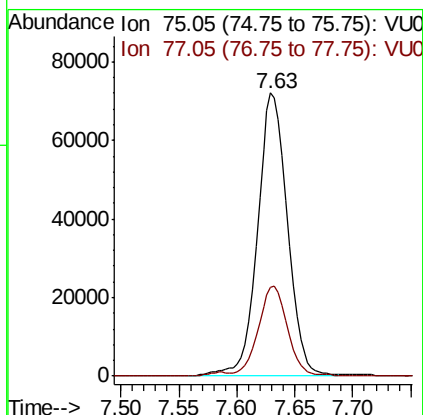
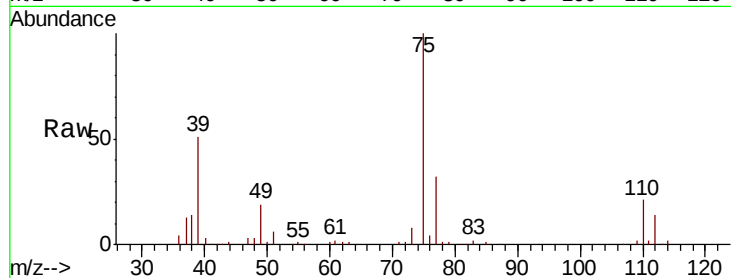




#39
 cis-1,3-Dichloropropene
 Concen: 5.224 ug/L
 RT: 7.63 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

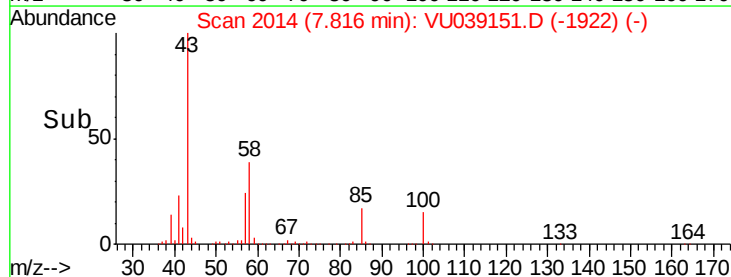
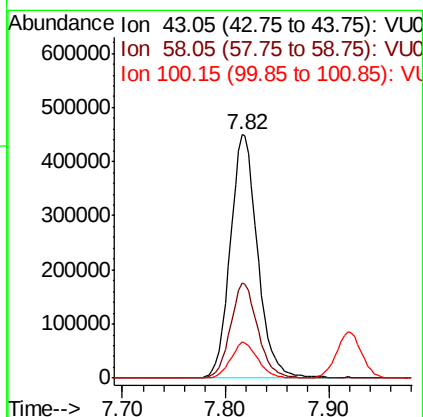
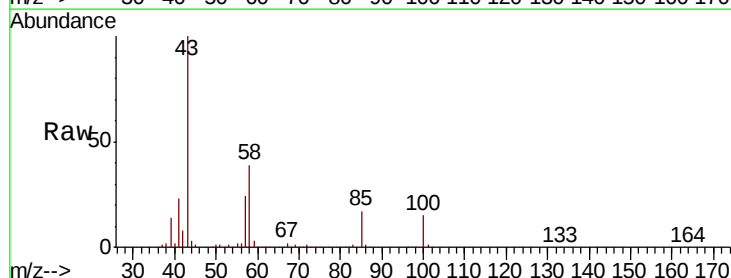
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

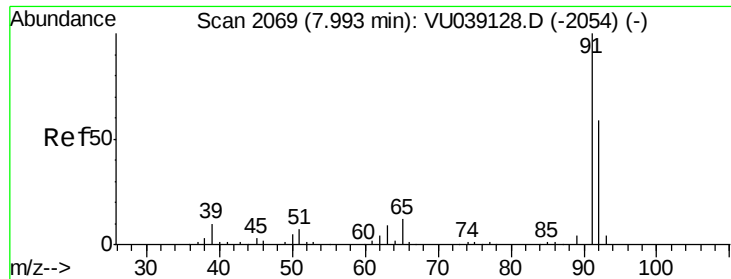
Tot Ion: 75 Resp: 129986
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 61.858 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion: 43 Resp: 828767
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.3 46.9
 100 14.7 11.6 17.4





#42

Toluene

Concen: 5.054 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

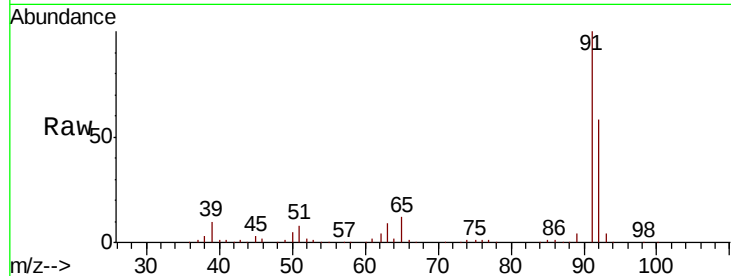
VSTD00518

Tot Ion: 91 Resp: 332420

Ion Ratio Lower Upper

91 100

92 58.2 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039128.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039128.D (-2054) (-)

7.99

200000

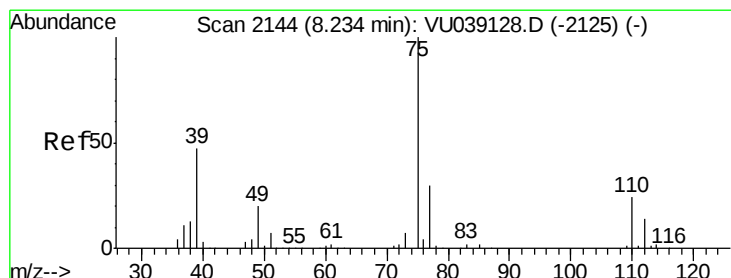
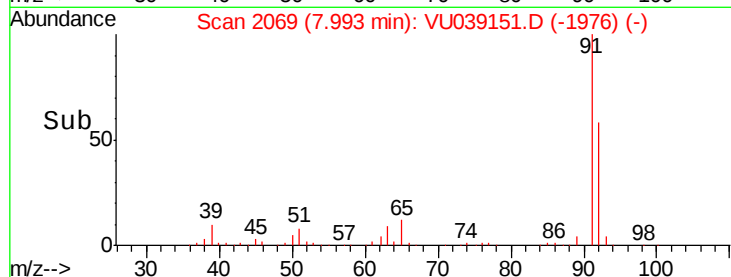
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 5.312 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039151.D

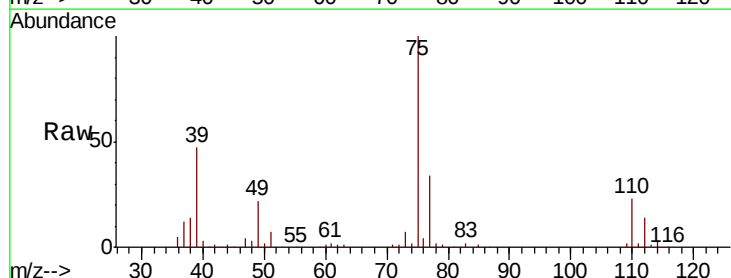
Acq: 26 Jun 2020 06:26

Tgt Ion: 75 Resp: 123657

Ion Ratio Lower Upper

75 100

77 33.7 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039128.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU039128.D (-2125) (-)

8.23

80000

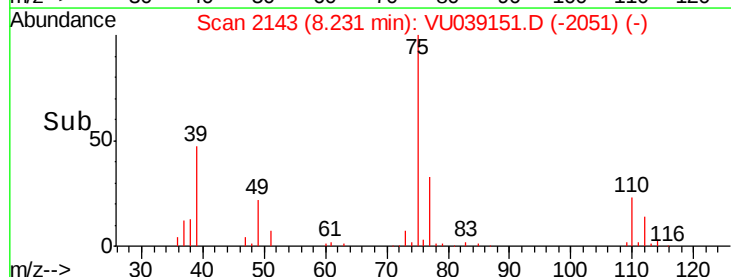
60000

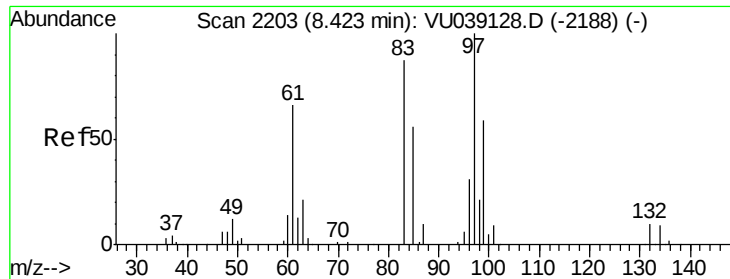
40000

20000

0

Time--> 8.10 8.20 8.30

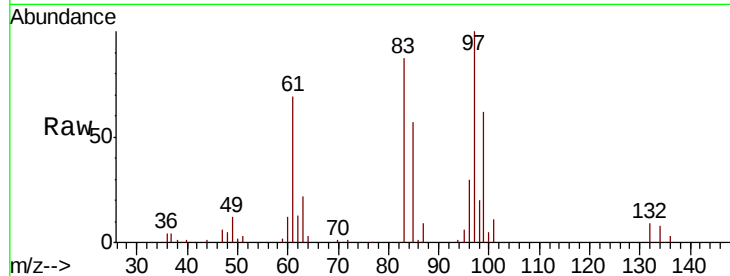




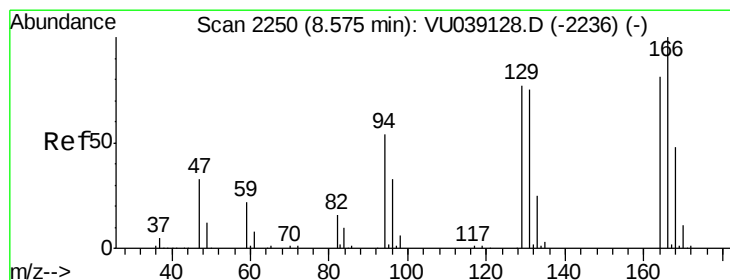
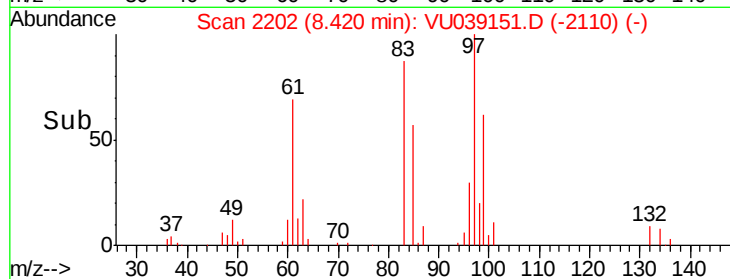
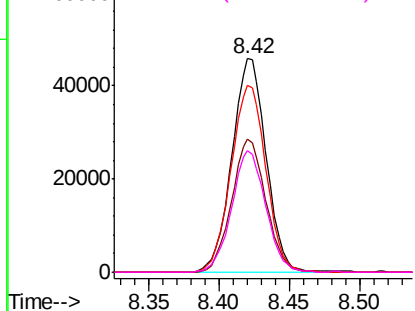
#45
 1,1,2-Trichloroethane
 Concen: 5.846 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tot Ion:	97	Resp:	77999
Ion	Ratio	Lower	Upper
97	100		
99	62.2	45.4	84.4
83	87.4	64.4	119.6
85	57.2	41.7	77.5

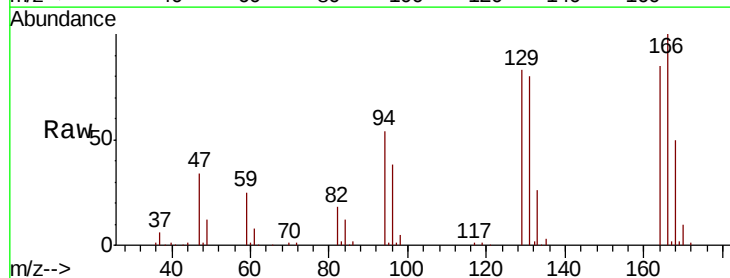


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

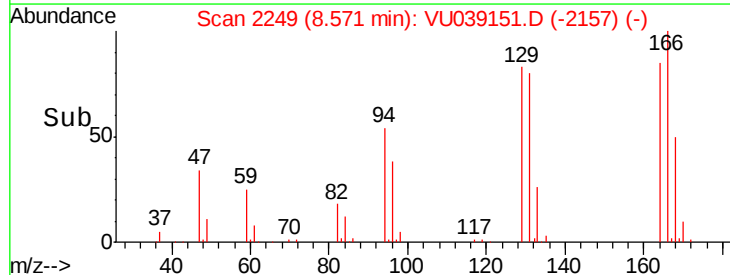
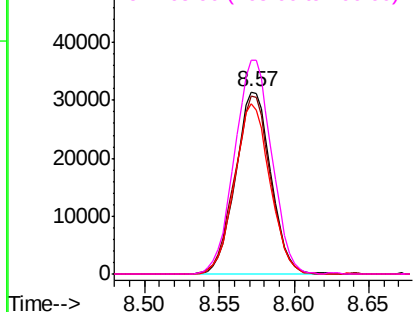


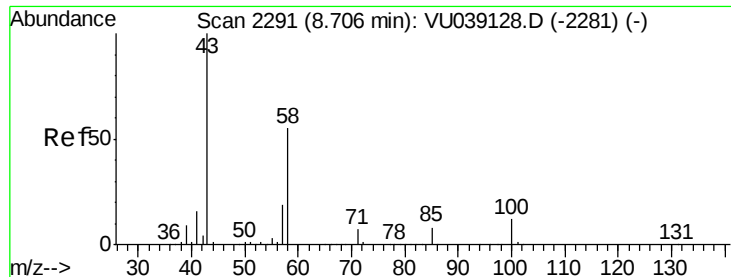
#47
 Tetrachloroethene
 Concen: 4.478 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion:	164	Resp:	51720
Ion	Ratio	Lower	Upper
164	100		
129	97.3	71.3	132.5
131	93.6	68.3	126.8
166	117.1	90.8	168.6



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

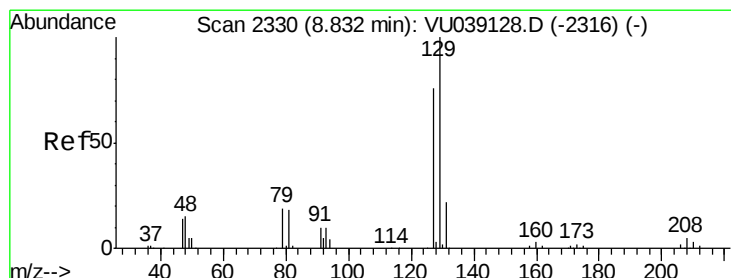
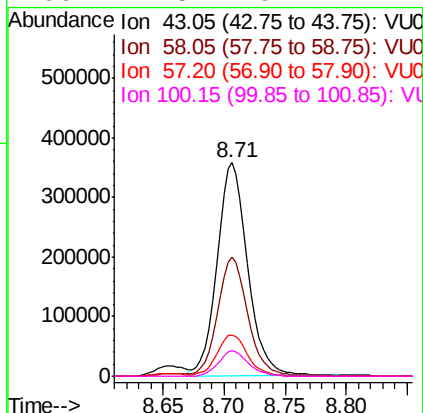
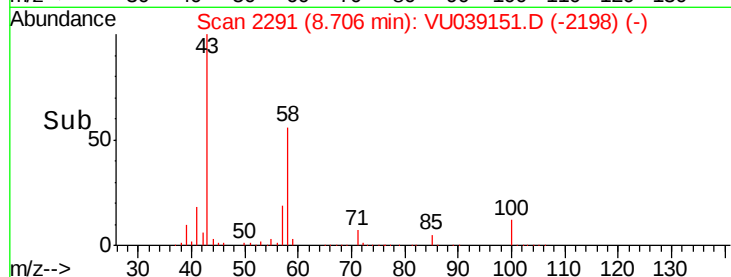
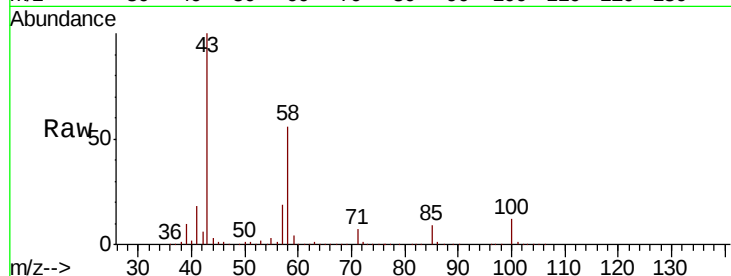




#48
2-Hexanone
Concen: 64.015 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

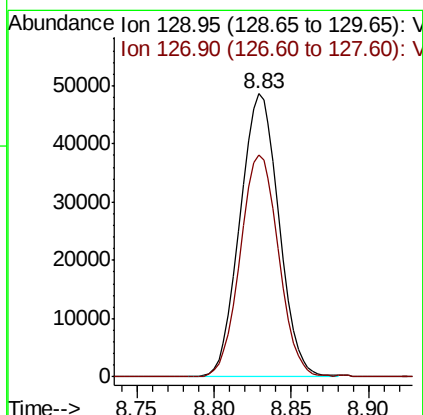
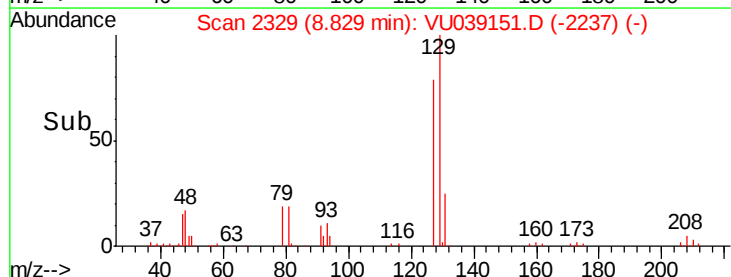
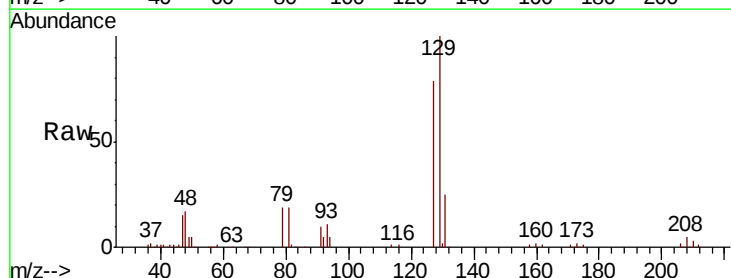
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

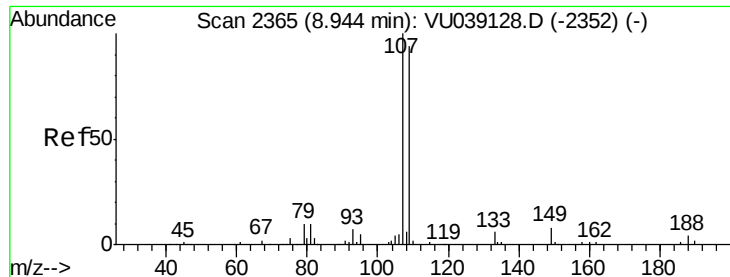
Tot Ion: 43 Resp: 628753
Ion Ratio Lower Upper
43 100
58 55.9 44.0 66.0
57 19.3 15.0 22.6
100 11.5 9.4 14.2



#49
Dibromochloromethane
Concen: 5.875 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion: 129 Resp: 85228
Ion Ratio Lower Upper
129 100
127 78.6 55.4 103.0

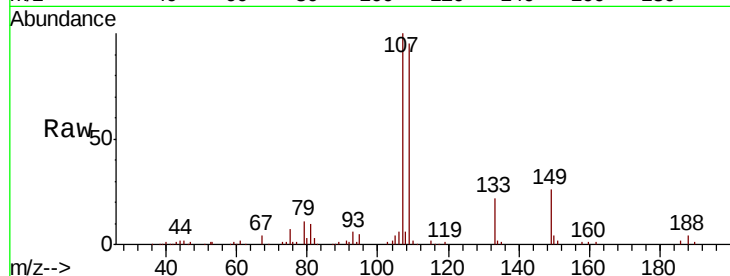




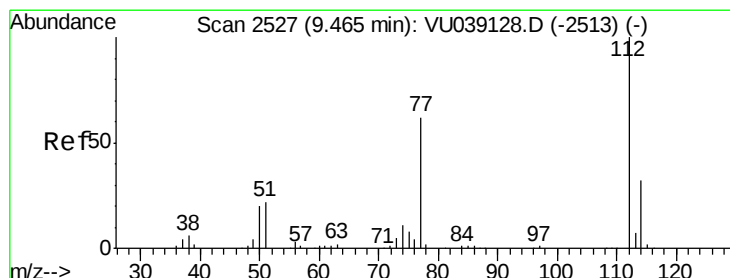
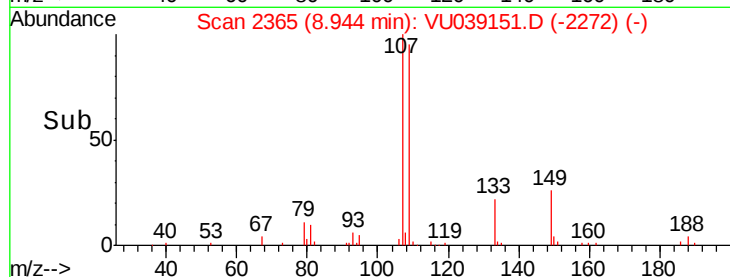
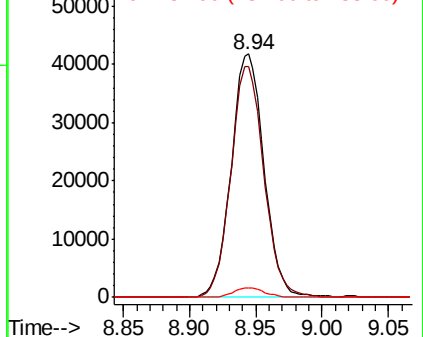
#50
1,2-Dibromoethane
Concen: 5.691 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion:107 Resp: 71784
Ion Ratio Lower Upper
107 100
109 95.0 64.8 120.4
188 4.0 2.4 3.6#

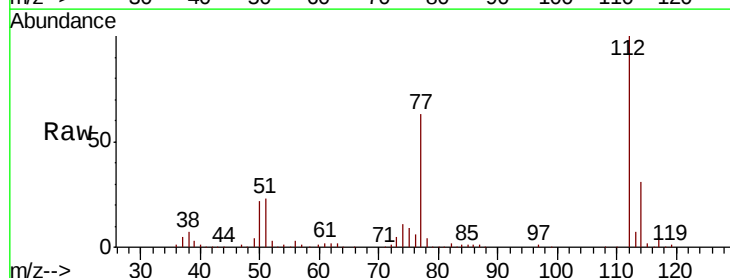


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

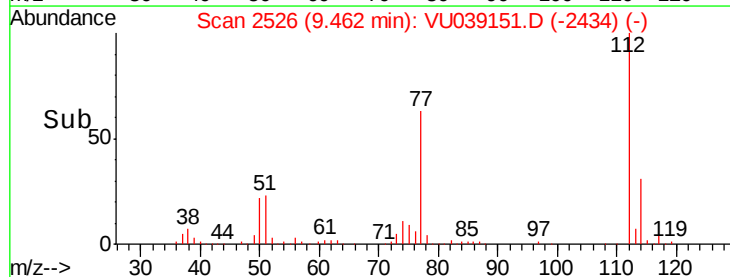
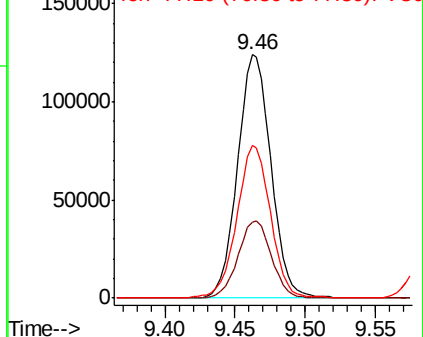


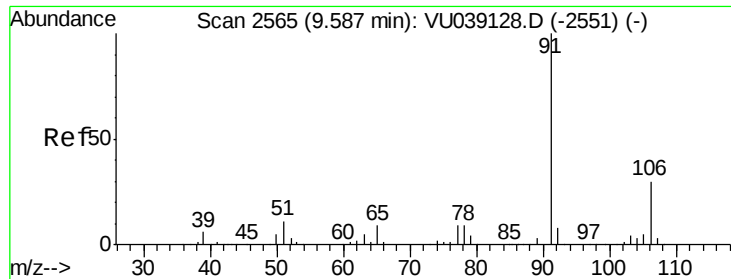
#51
Chlorobenzene
Concen: 4.985 ug/L
RT: 9.46 min Scan# 2526
Delta R.T. -0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion:112 Resp: 206387
Ion Ratio Lower Upper
112 100
114 31.4 22.0 41.0
77 62.8 50.2 75.4



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





#52

Ethylbenzene

Concen: 4.544 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

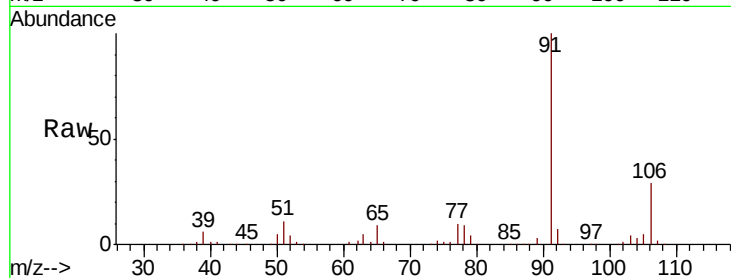
VSTD00518

Tot Ion: 91 Resp: 314146

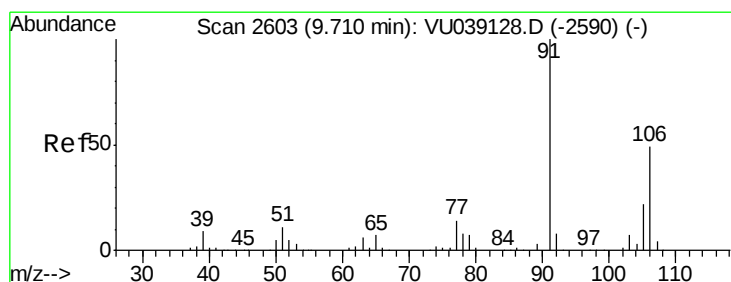
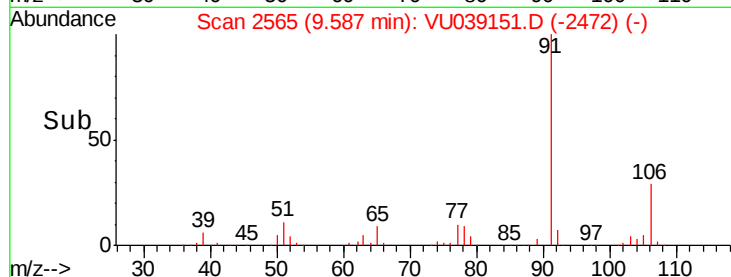
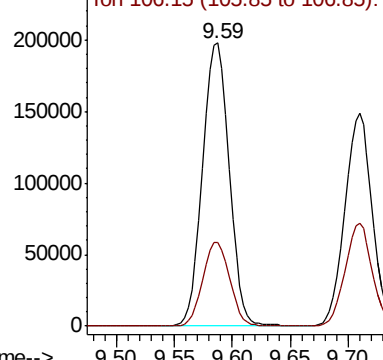
Ion Ratio Lower Upper

91 100

106 29.4 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039151.D (-2510) (-)



#53

m,p-Xylene

Concen: 4.653 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU039151.D

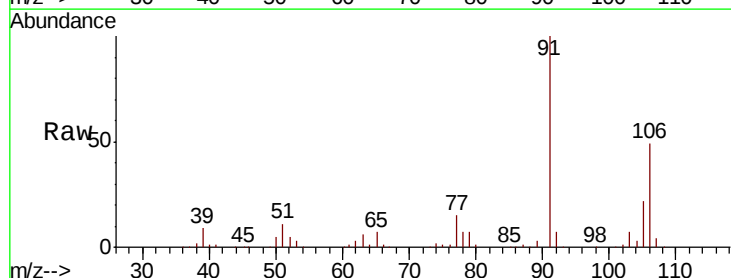
Acq: 26 Jun 2020 06:26

Tgt Ion: 106 Resp: 118272

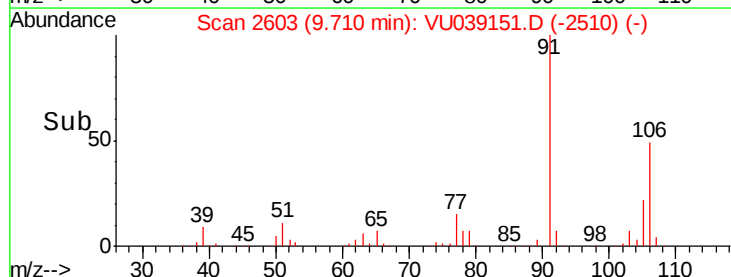
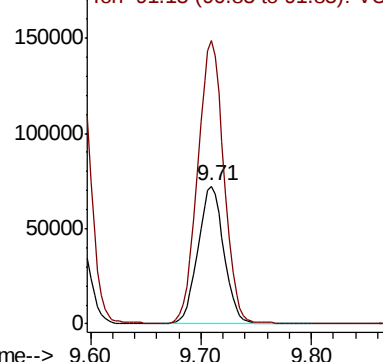
Ion Ratio Lower Upper

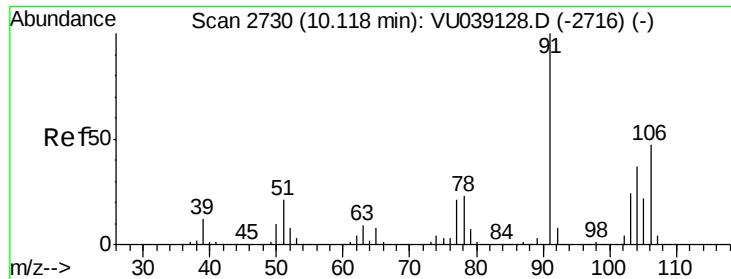
106 100

91 205.5 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039151.D (-2510) (-)

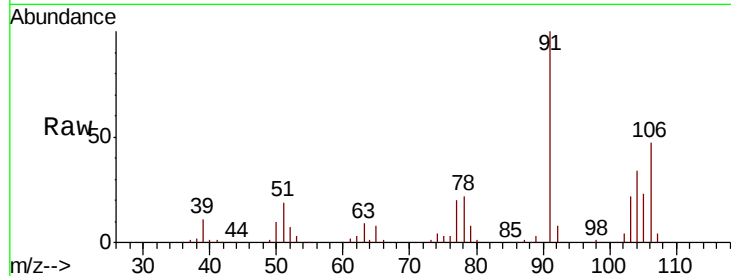




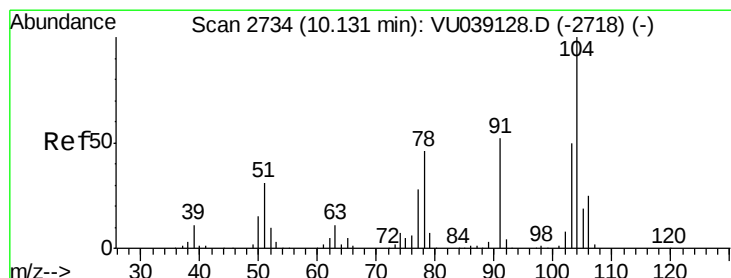
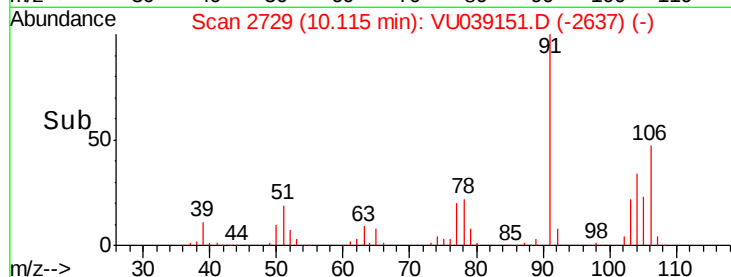
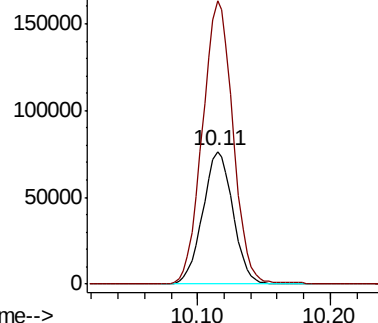
#54
o-Xylene
Concen: 4.962 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tot Ion:106 Resp: 121162
Ion Ratio Lower Upper
106 100
91 213.3 153.5 285.1

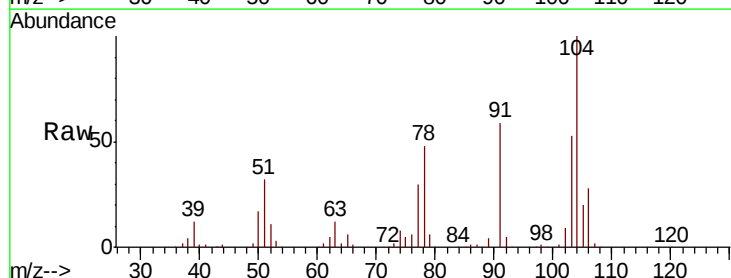


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

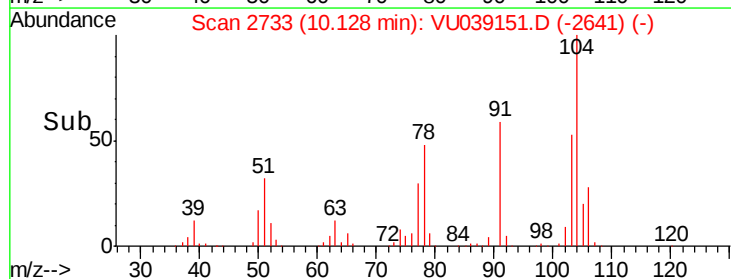
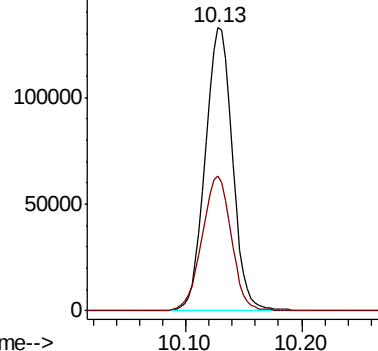


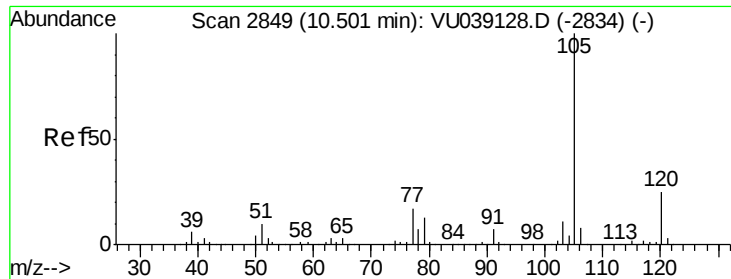
#55
Styrene
Concen: 5.020 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU039151.D
Acq: 26 Jun 2020 06:26

Tgt Ion:104 Resp: 215272
Ion Ratio Lower Upper
104 100
78 47.5 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: 4.435 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

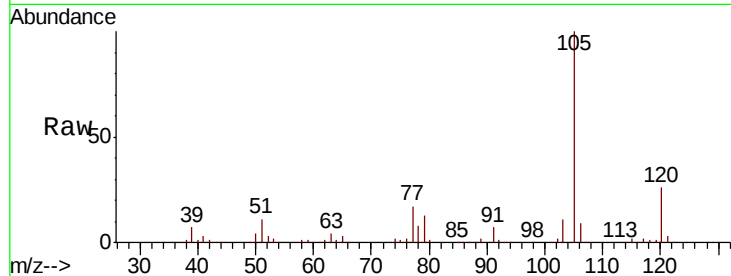
Tot Ion:105 Resp: 283757

Ion Ratio Lower Upper

105 100

120 26.1 19.9 29.9

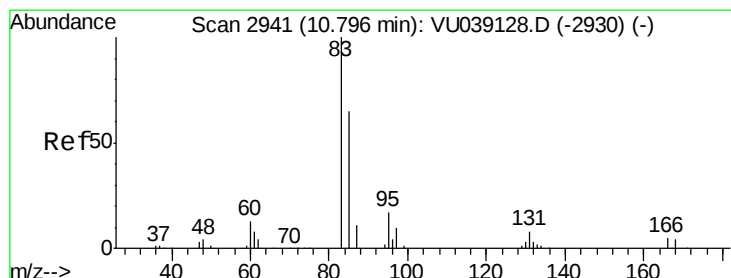
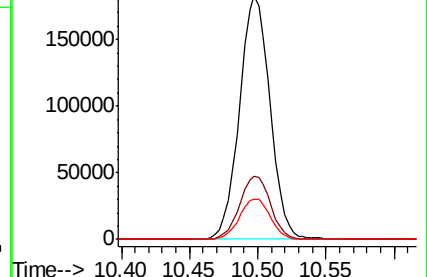
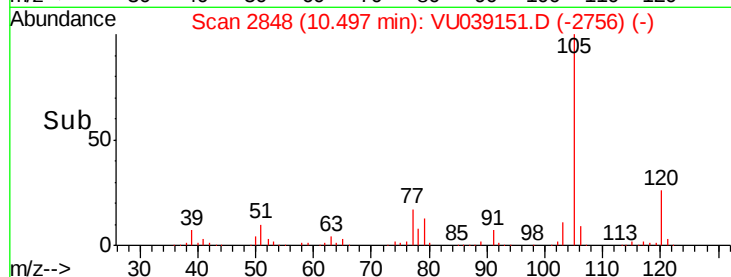
77 16.9 13.3 19.9



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: 5.538 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

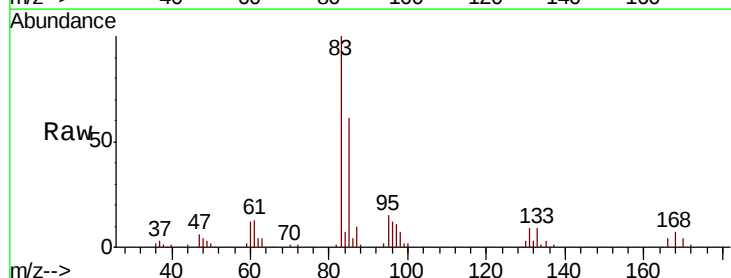
Tgt Ion: 83 Resp: 98801

Ion Ratio Lower Upper

83 100

85 60.8 45.3 84.1

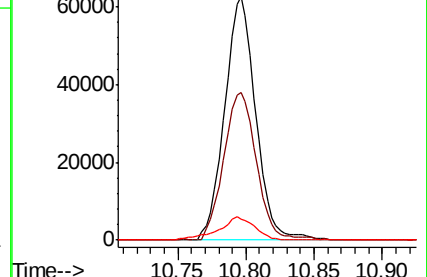
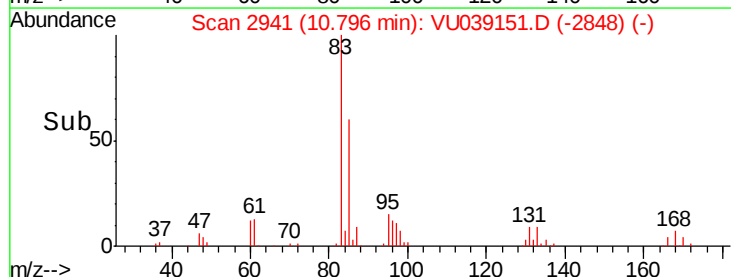
131 8.8 6.9 10.3

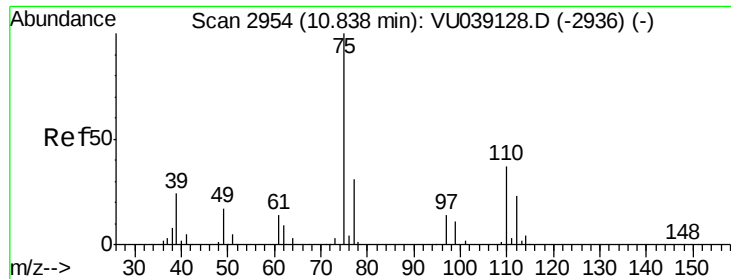


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.687 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

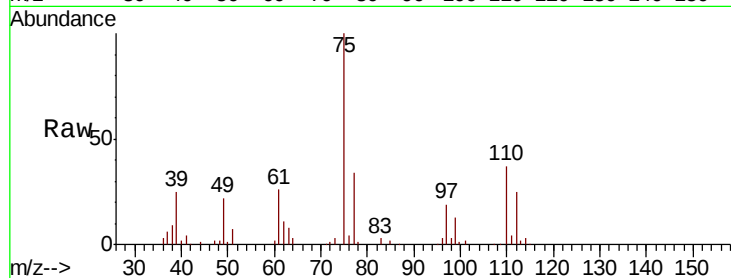
VSTD00518

Tot Ion: 75 Resp: 76968

Ion Ratio Lower Upper

75 100

77 33.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU039128.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039128.D (-2936) (-)

10.84

50000

40000

30000

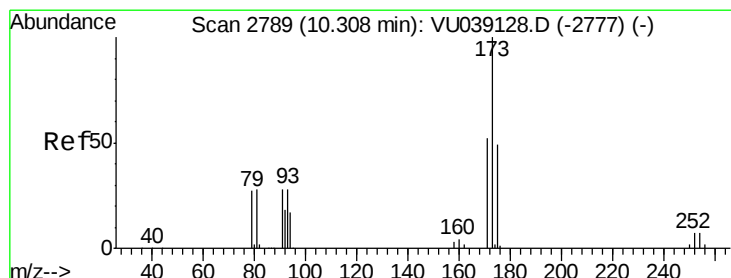
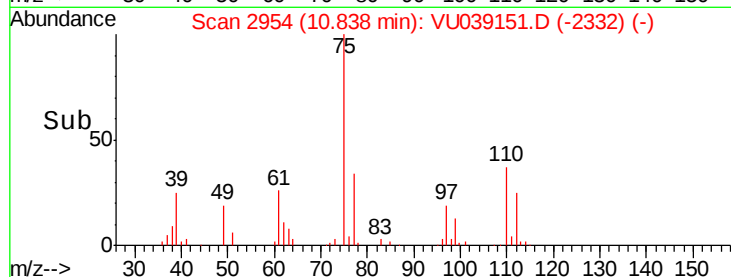
20000

10000

0

10.75 10.80 10.85 10.90

Time-->



#61

Bromoform

Concen: 5.646 ug/L

RT: 10.30 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

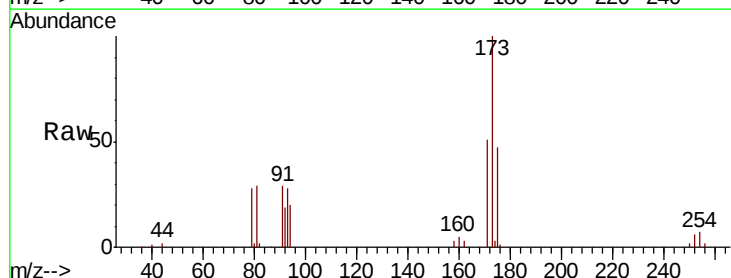
Tgt Ion:173 Resp: 46608

Ion Ratio Lower Upper

173 100

175 48.6 39.3 58.9

254 6.7 4.4 6.6#



Abundance Ion 172.90 (172.60 to 173.60): VU039128.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU039128.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU039128.D (-2777) (-)

10.30

30000

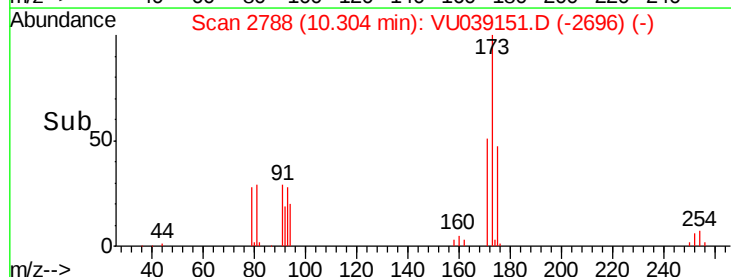
20000

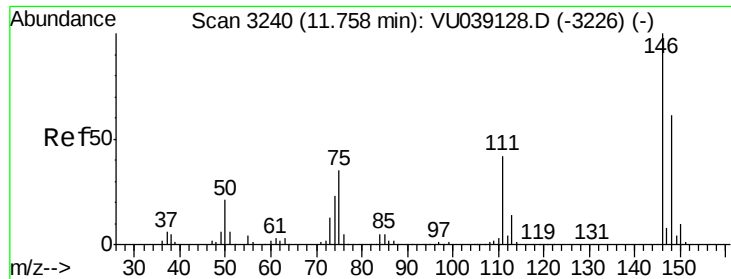
10000

0

10.25 10.30 10.35

Time-->

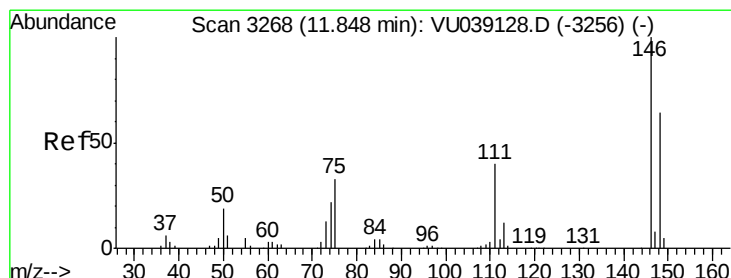
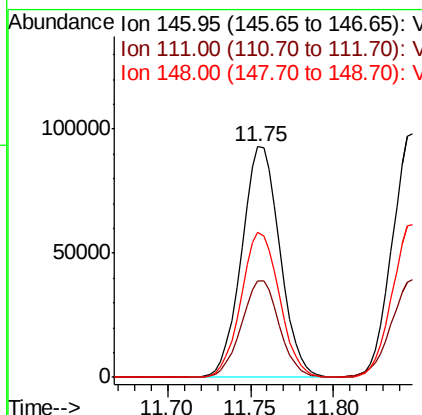
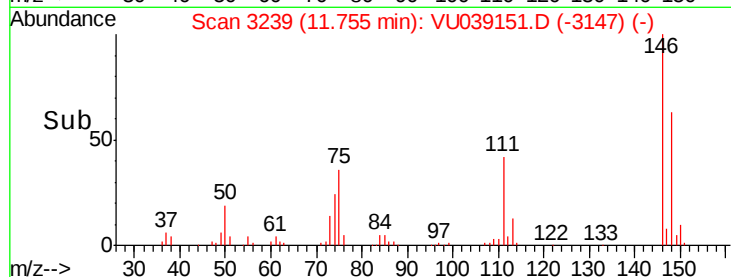
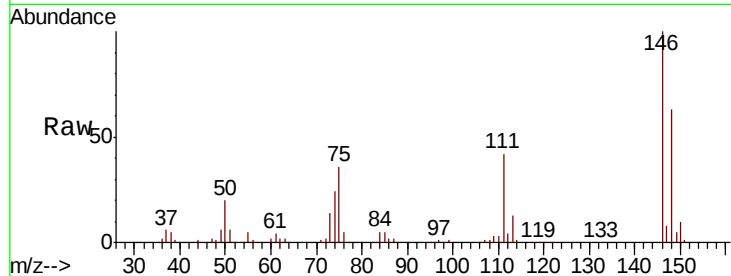




#62
 1,3-Dichlorobenzene
 Concen: 4.952 ug/L
 RT: 11.75 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

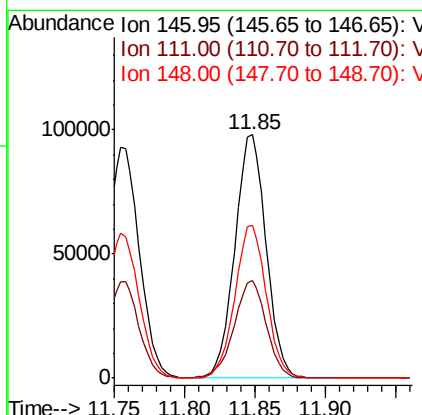
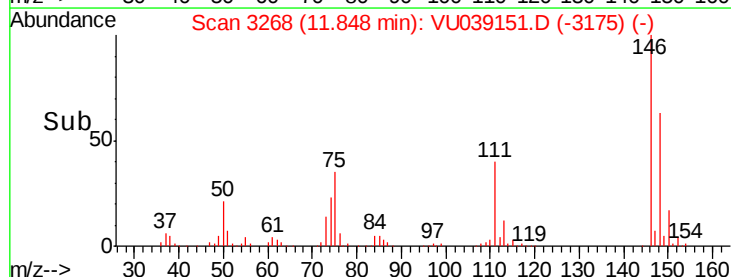
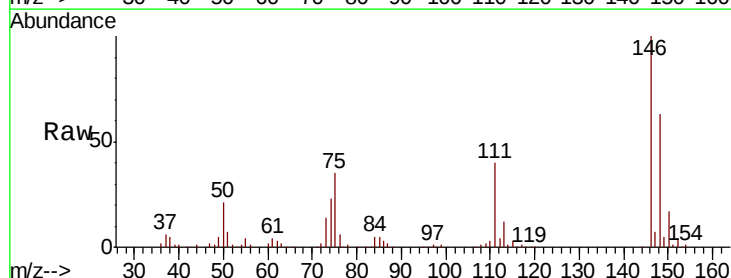
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

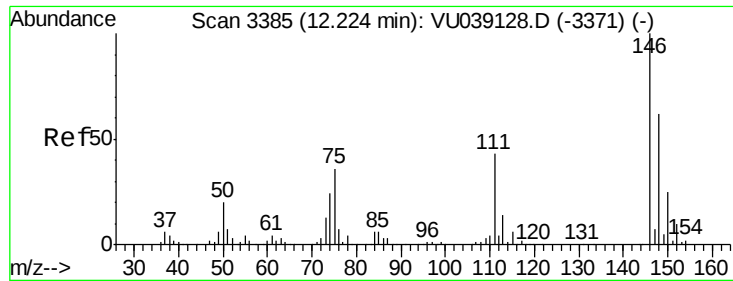
Tot Ion:146 Resp: 148802
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.5 54.9
 148 62.9 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.916 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion:146 Resp: 152155
 Ion Ratio Lower Upper
 146 100
 111 40.0 28.4 52.8
 148 62.8 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 4.936 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

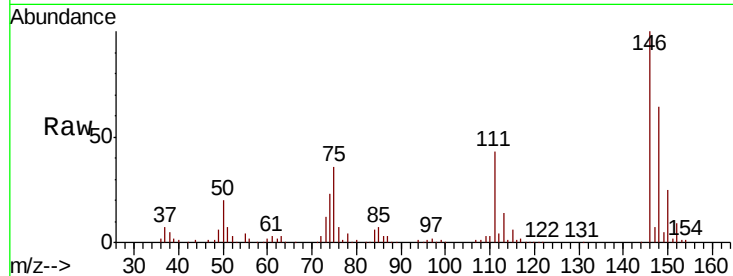
Tot Ion:146 Resp: 148741

Ion Ratio Lower Upper

146 100

111 43.0 34.7 52.1

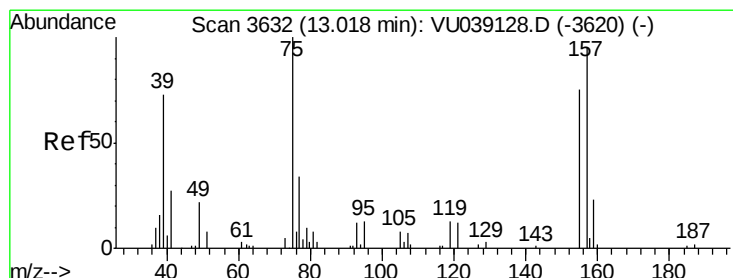
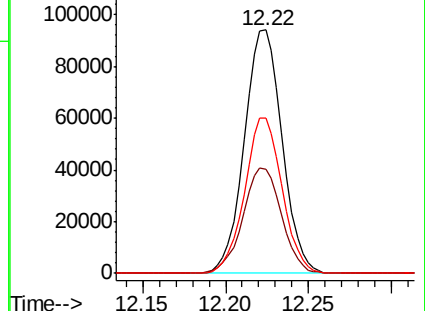
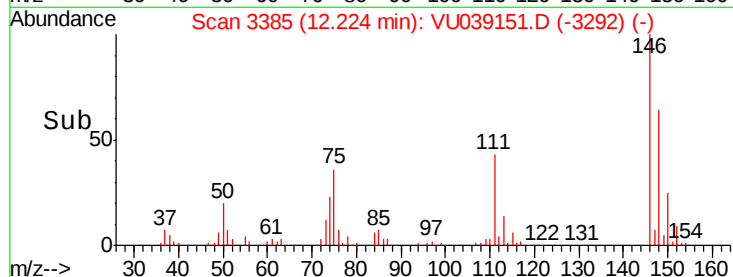
148 63.7 50.9 76.3



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: 5.637 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

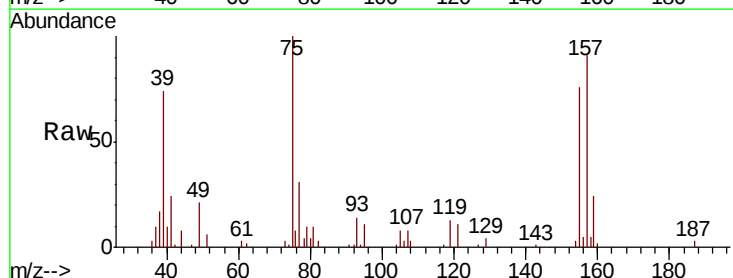
Tgt Ion: 75 Resp: 18736

Ion Ratio Lower Upper

75 100

155 76.3 58.6 88.0

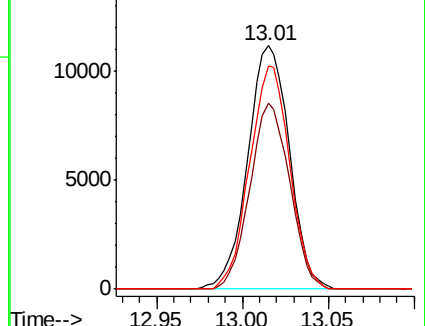
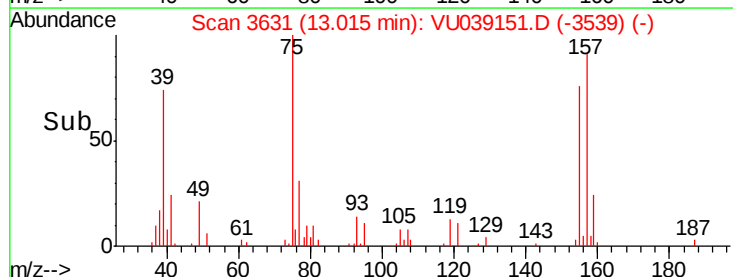
157 91.4 70.3 105.5

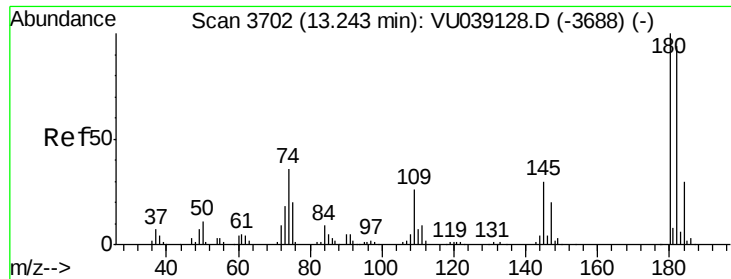


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

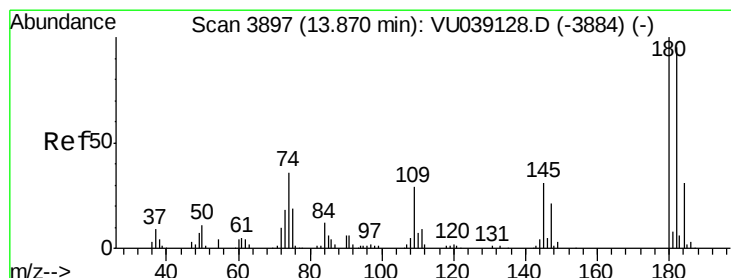
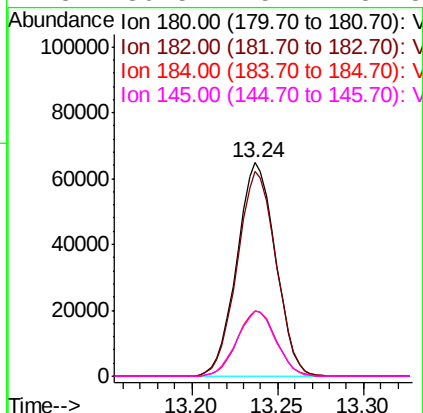
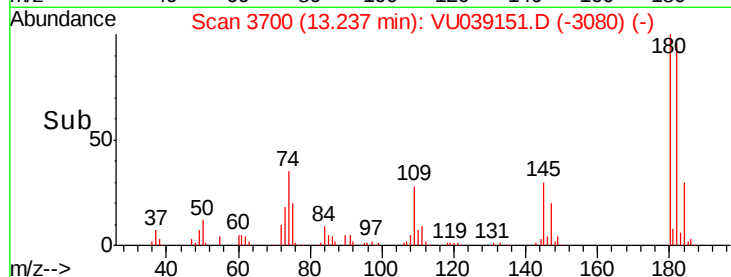
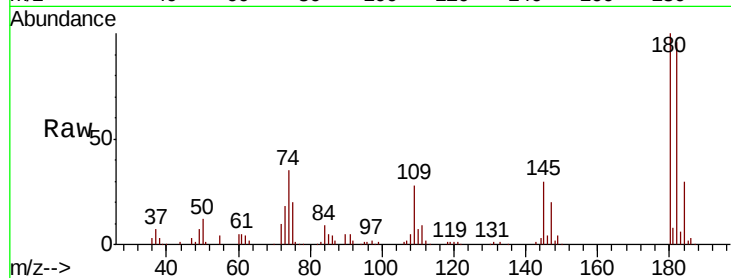




#67
 1,3,5-Trichlorobenzene
 Concen: 4.540 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

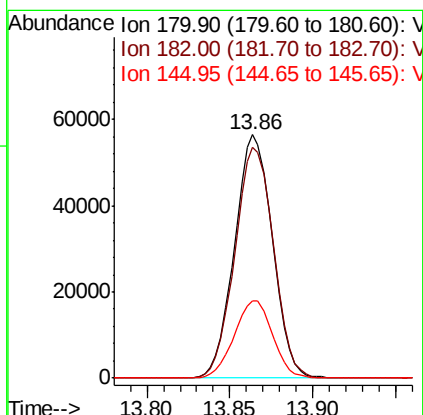
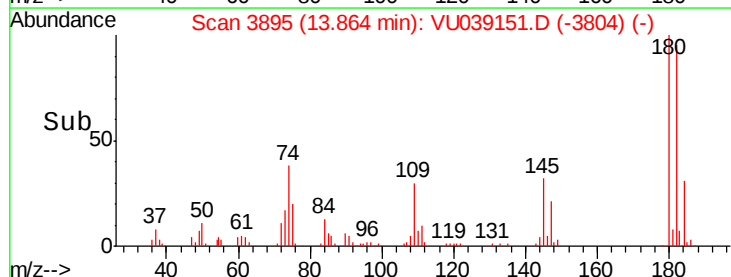
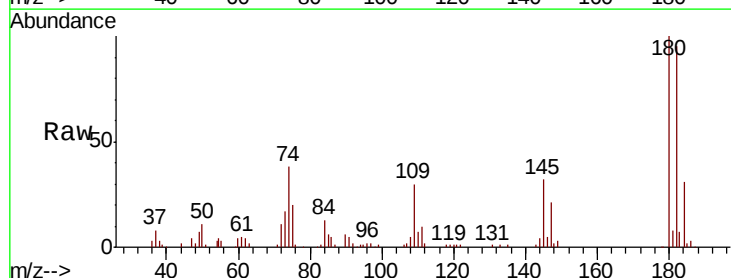
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

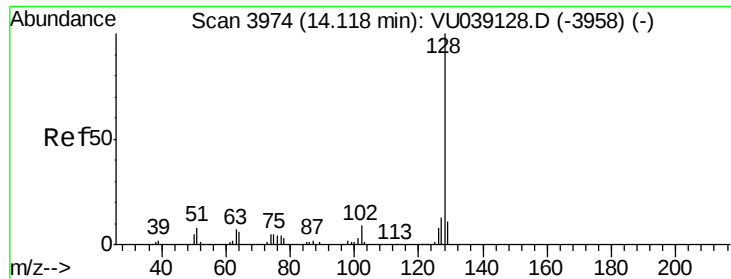
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.3	114.5
184	30.9	24.2	36.4
145	30.5	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.442 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU039151.D
 Acq: 26 Jun 2020 06:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.6
145	32.3	25.4	38.2





#69

Naphthalene

Concen: 4.552 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

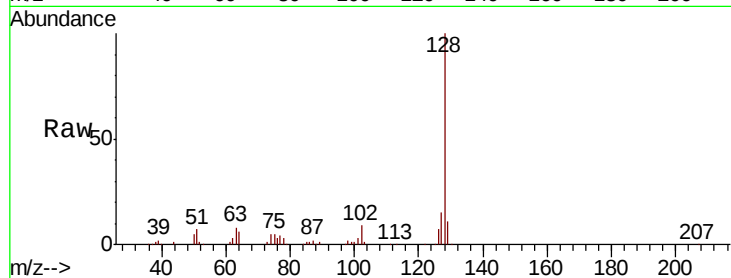
Tot Ion:128 Resp: 196752

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.7 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

14.11

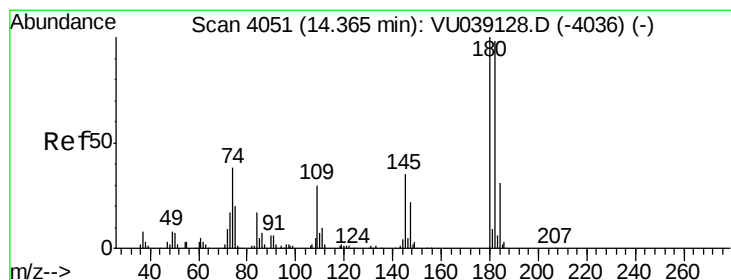
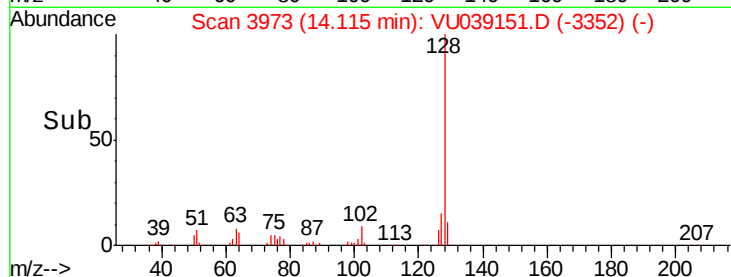
100000

50000

0

14.05 14.10 14.15 14.20

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.648 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU039151.D

Acq: 26 Jun 2020 06:26

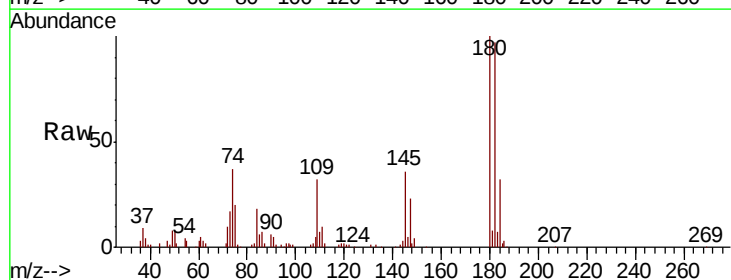
Tgt Ion:180 Resp: 90881

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 35.3 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

14.36

60000

40000

20000

0

14.30 14.35 14.40

Time-->

