

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039240.D
 Acq On : 30 Jun 2020 16:20
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 01 01:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:40:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	237274	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	231104	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	117457	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96473	5.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.80%
7) Chloroethane-d5	1.93	69	86212	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.00%
11) 1,1-Dichloroethene-d2	2.59	63	149028	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.80%
20) 2-Butanone-d5	4.68	46	314002	47.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.68%
24) Chloroform-d	5.10	84	164362	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.74	65	110526	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.76	84	317203	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.40%
36) 1,2-Dichloropropane-d6	6.72	67	109058	5.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.00%
41) Toluene-d8	7.92	98	242734	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	8.20	79	45623	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.66	63	244412	53.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.44%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93715	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	102355	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	111795	4.918	ug/L 100
3) Chloromethane	1.53	50	122672	5.427	ug/L 97
5) Vinyl chloride	1.62	62	133292	5.683	ug/L 100
6) Bromomethane	1.88	94	72418	5.905	ug/L 93
8) Chloroethane	1.95	64	83918	5.583	ug/L 99
9) Trichlorofluoromethane	2.16	101	170931	4.846	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	81133	4.543	ug/L 98
12) 1,1-Dichloroethene	2.61	96	80324	4.754	ug/L 88
13) Acetone	2.68	43	180973	44.751	ug/L 98
14) Carbon disulfide	2.82	76	265076	4.621	ug/L 100
15) Methyl Acetate	2.99	43	44051	4.611	ug/L 95
16) Methylene chloride	3.08	84	98042	4.260	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	222456	4.894	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	83499	4.830	ug/L 99
19) 1,1-Dichloroethane	3.91	63	158809	4.685	ug/L 99
21) 2-Butanone	4.76	43	311471	49.007	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	89153	4.876	ug/L 96

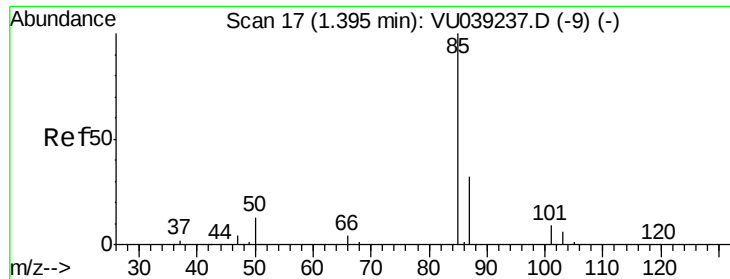
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039240.D
 Acq On : 30 Jun 2020 16:20
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 01:40:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	43050	5.150	ug/L	94
25) Chloroform	5.12	83	163935	4.732	ug/L	96
27) 1,2-Dichloroethane	5.83	62	121709	4.813	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	144419	5.092	ug/L	99
30) Cyclohexane	5.42	56	126766	4.814	ug/L	95
31) Carbon tetrachloride	5.56	117	127588	5.321	ug/L	99
33) Benzene	5.81	78	376654	5.556	ug/L	100
34) Trichloroethene	6.57	95	94717	5.315	ug/L	97
35) Methylcyclohexane	6.79	83	152319	5.719	ug/L	96
37) 1,2-Dichloropropane	6.82	63	104811	5.717	ug/L	99
38) Bromodichloromethane	7.13	83	118841	4.905	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	134744	5.177	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	684622	49.929	ug/L	99
42) Toluene	7.99	91	358005	5.152	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	126325	5.147	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	68469	4.926	ug/L	97
47) Tetrachloroethene	8.57	164	63976	5.117	ug/L	96
48) 2-Hexanone	8.71	43	519050	48.952	ug/L	99
49) Dibromochloromethane	8.83	129	80717	5.265	ug/L	99
50) 1,2-Dibromoethane	8.95	107	67216	5.181	ug/L	96
51) Chlorobenzene	9.47	112	225393	4.964	ug/L	99
52) Ethylbenzene	9.59	91	381503	4.967	ug/L	99
53) m,p-Xylene	9.71	106	145931	5.149	ug/L	99
54) o-Xylene	10.12	106	137499	5.133	ug/L	100
55) Styrene	10.13	104	245133	5.296	ug/L	97
56) Isopropylbenzene	10.50	105	365210	5.147	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	86435	4.923	ug/L #	98
59) 1,2,3-Trichloropropane	10.84	75	68677	4.842	ug/L	97
61) Bromoform	10.31	173	45175	4.856	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	177711	4.951	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	181690	4.915	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	172116	4.920	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	17087	5.169	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	128562	5.082	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	118523	5.344	ug/L	96
69) Naphthalene	14.12	128	221764	5.181	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	110916	5.186	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 4.918 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

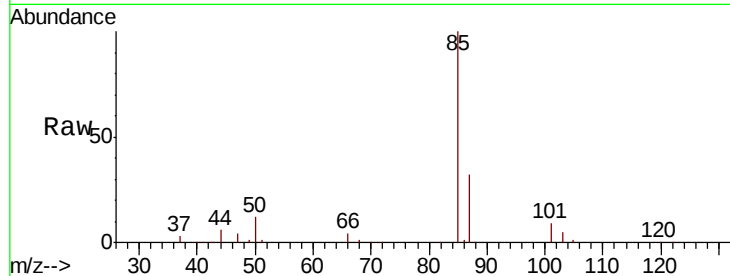
ClientSampleId :

Tot Ion: 85 Resp: 111795

Ion Ratio Lower Upper

85 100

87 31.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU039240.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU039240.D (-1) (-)

120000

100000

80000

60000

40000

20000

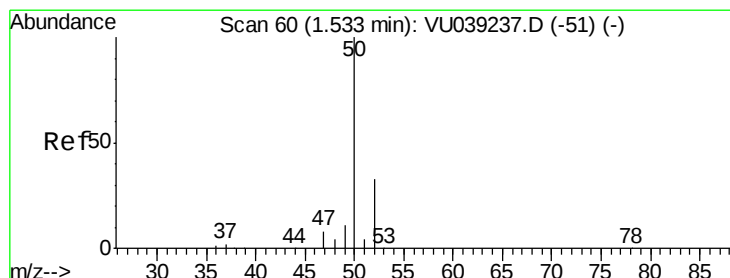
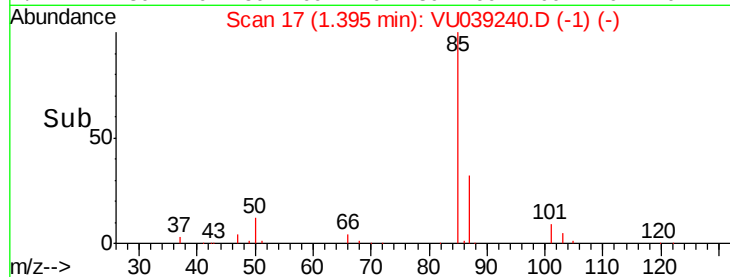
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 5.427 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039240.D

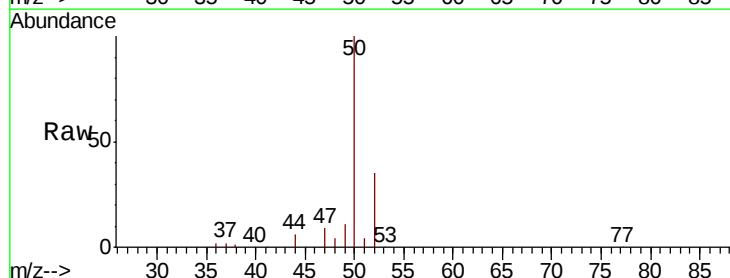
Acq: 30 Jun 2020 16:20

Tgt Ion: 50 Resp: 122672

Ion Ratio Lower Upper

50 100

52 34.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU039240.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU039240.D (-1) (-)

120000

100000

80000

60000

40000

20000

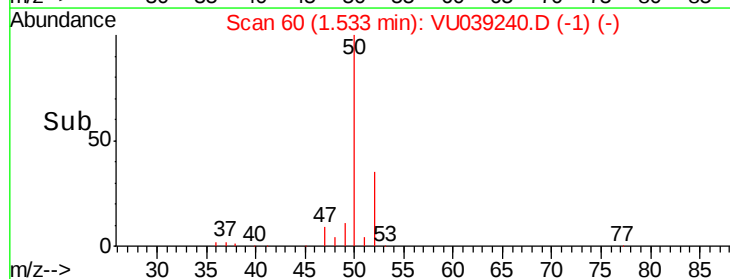
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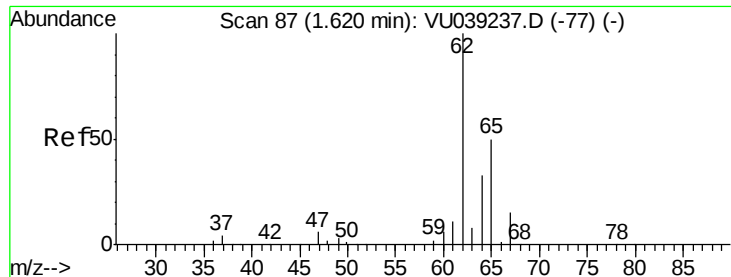
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 5.683 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

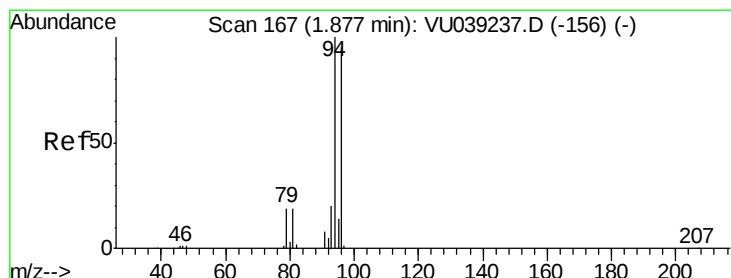
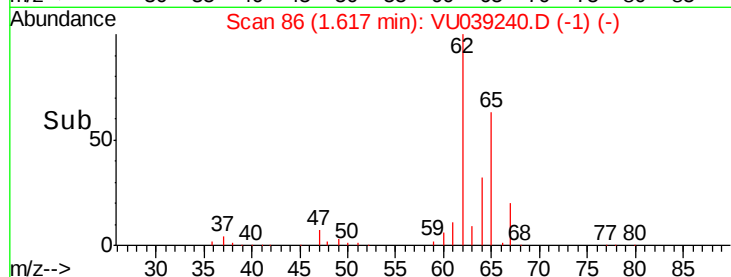
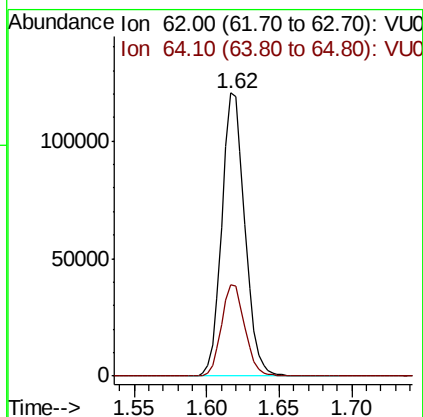
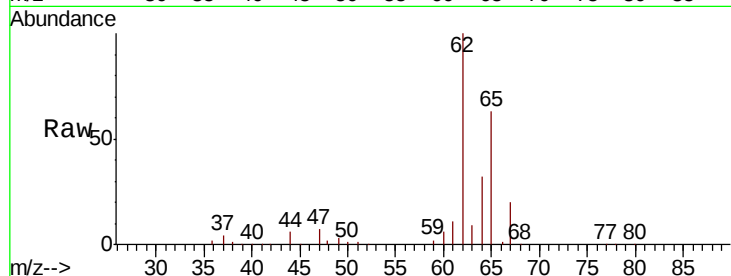
ClientSampleId :

Tot Ion: 62 Resp: 133292

Ion Ratio Lower Upper

62 100

64 32.4 22.8 42.4



#6

Bromomethane

Concen: 5.905 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039240.D

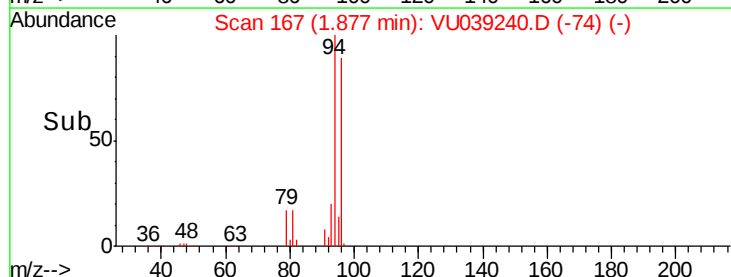
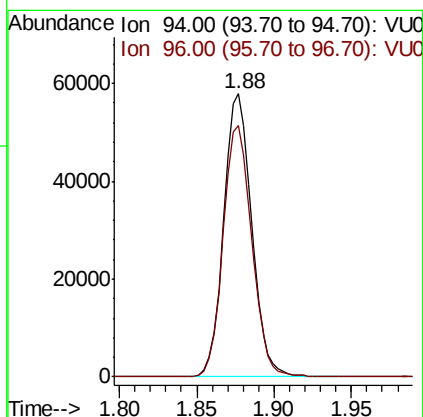
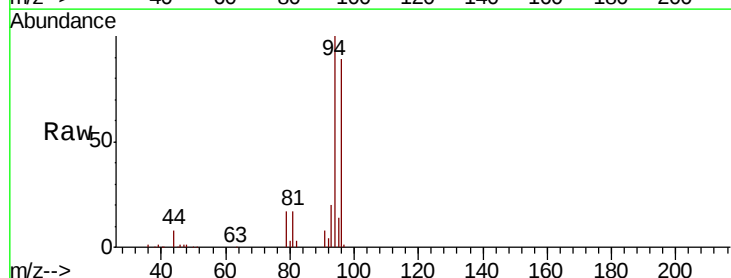
Acq: 30 Jun 2020 16:20

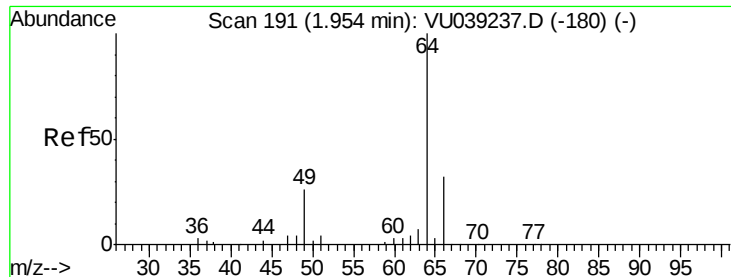
Tgt Ion: 94 Resp: 72418

Ion Ratio Lower Upper

94 100

96 88.9 66.7 123.9





#8

Chloroethane

Concen: 5.583 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

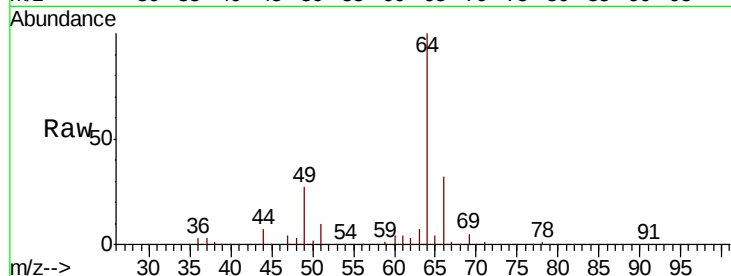
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 83918

Ion Ratio Lower Upper

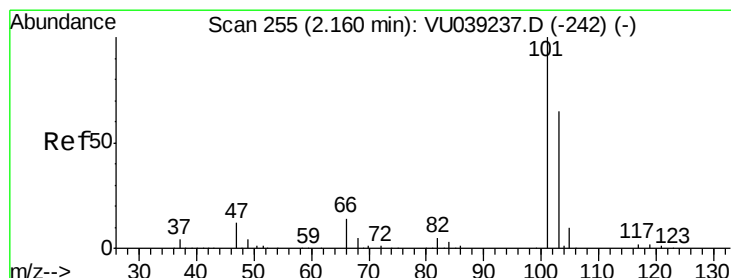
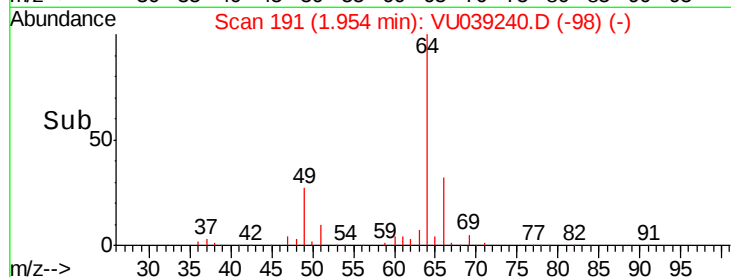
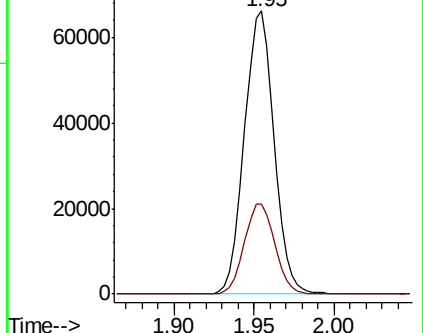
64 100

66 32.0 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039237.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU039237.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.846 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU039240.D

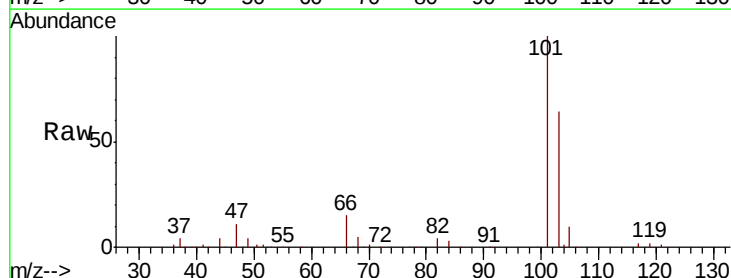
Acq: 30 Jun 2020 16:20

Tgt Ion:101 Resp: 170931

Ion Ratio Lower Upper

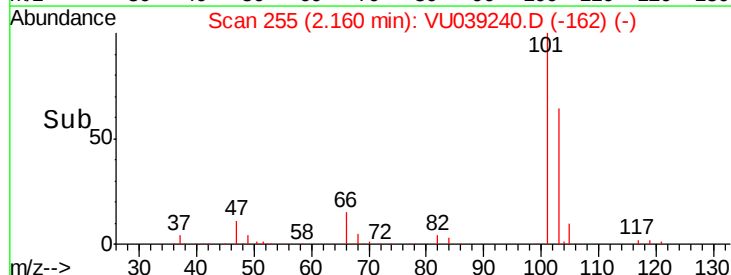
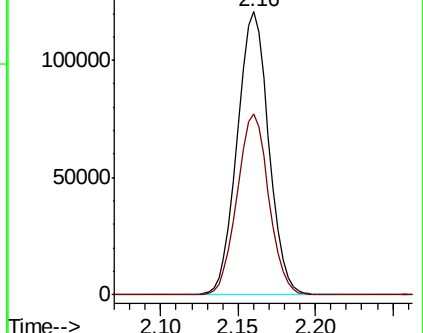
101 100

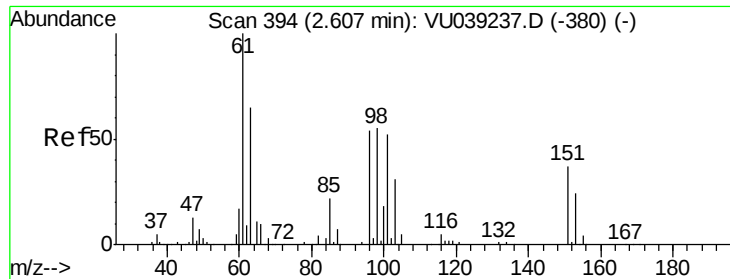
103 64.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039237.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039237.D (-242) (-)





#10

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

Concen: 4.543 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

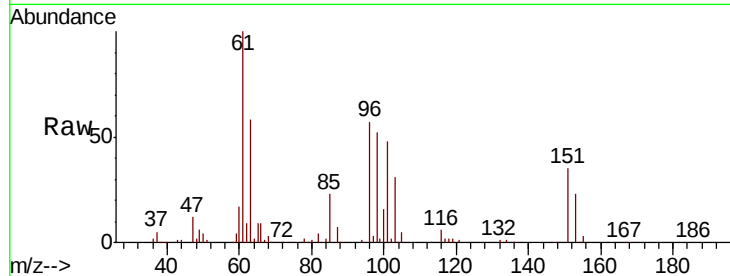
Tot Ion:101 Resp: 81133

Ion Ratio Lower Upper

101 100

85 45.5 34.7 52.1

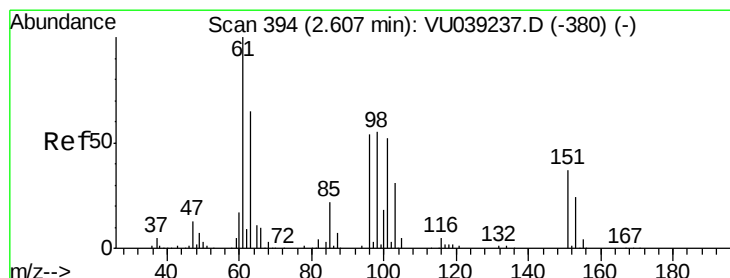
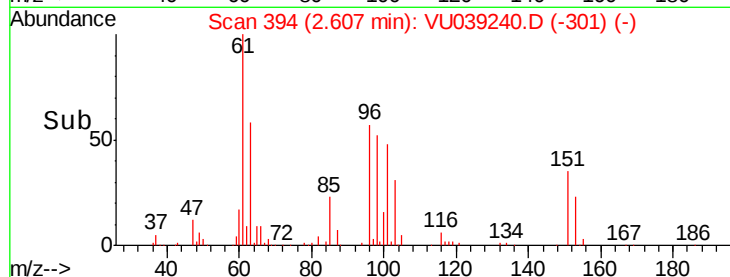
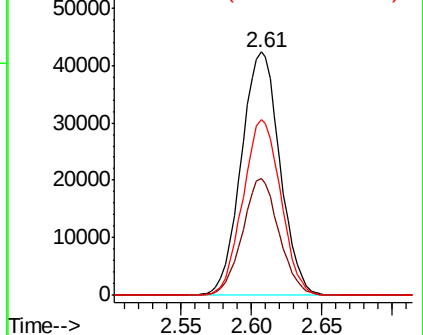
151 70.7 57.4 86.2



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: 4.754 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

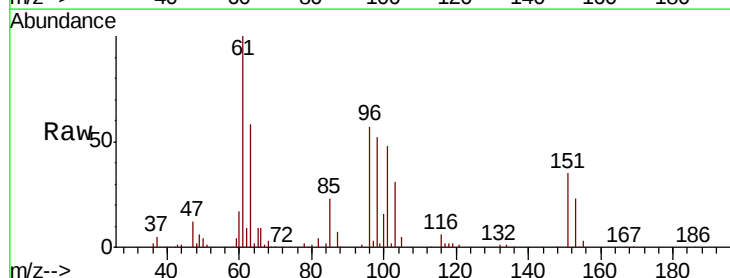
Tgt Ion: 96 Resp: 80324

Ion Ratio Lower Upper

96 100

61 174.2 129.1 239.7

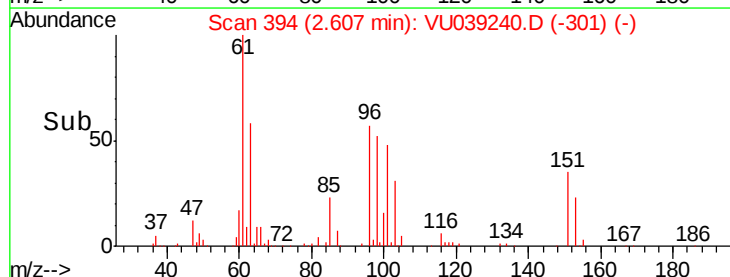
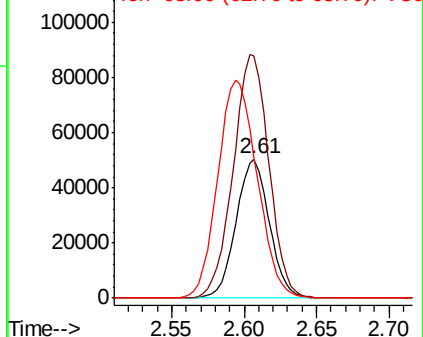
63 101.2 85.5 158.7

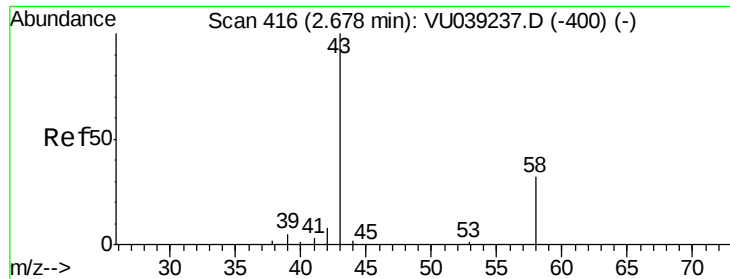


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.751 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

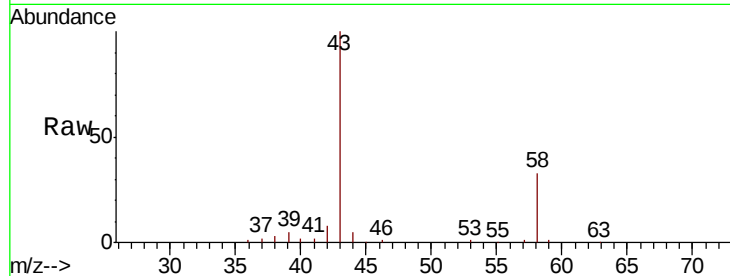
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 180973

Ion Ratio Lower Upper

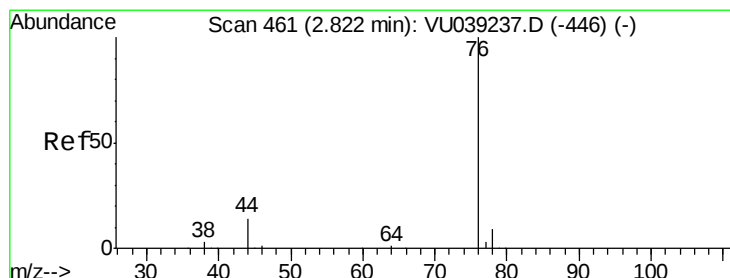
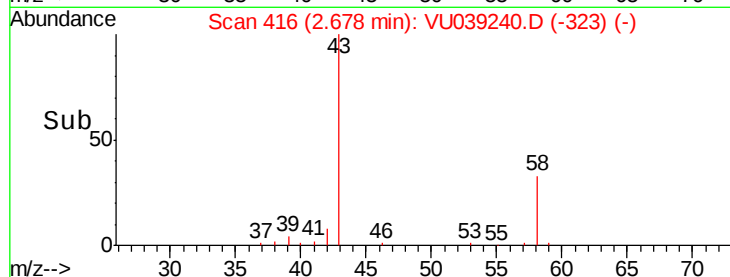
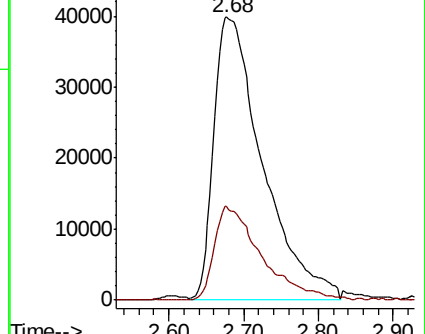
43 100

58 31.8 0.0 61.0



Abundance Ion 43.05 (42.75 to 43.75): VU039237.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU039237.D (-400) (-)



#14

Carbon disulfide

Concen: 4.621 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU039240.D

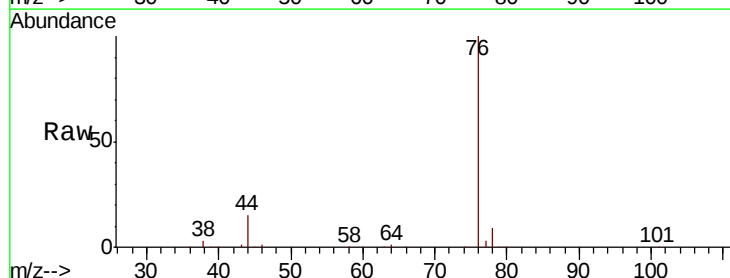
Acq: 30 Jun 2020 16:20

Tgt Ion: 76 Resp: 265076

Ion Ratio Lower Upper

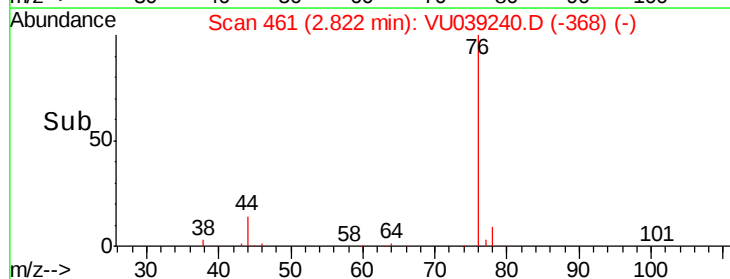
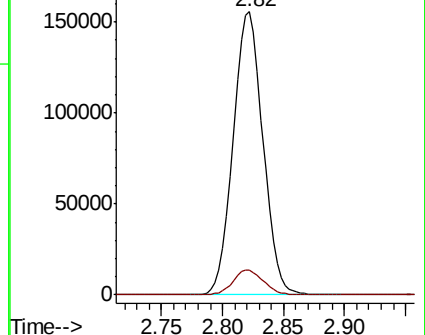
76 100

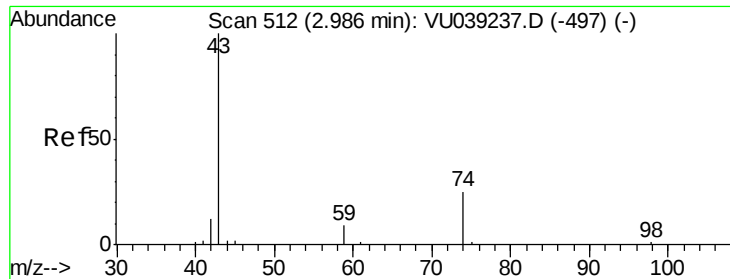
78 8.7 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU039237.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039237.D (-446) (-)

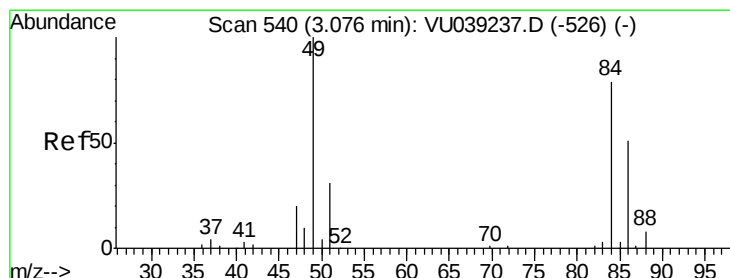
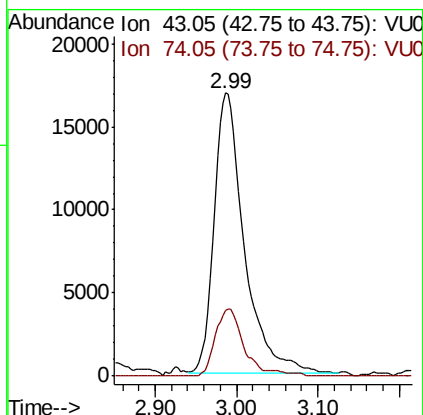
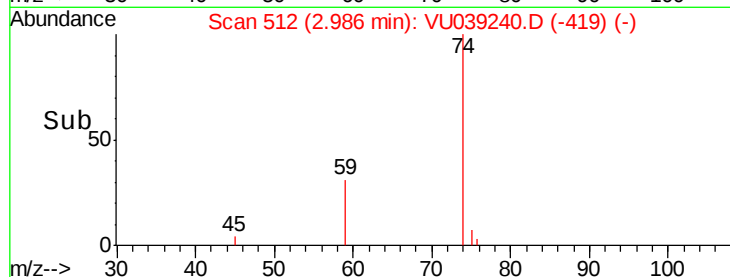
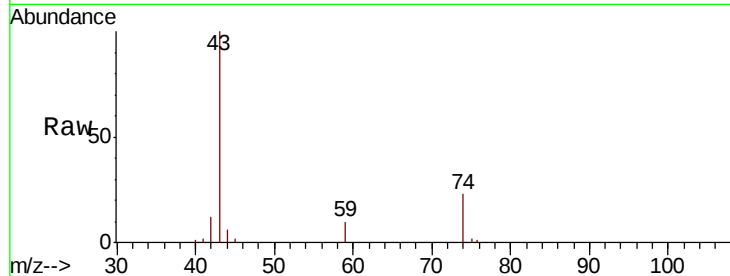




#15
Methvl Acetate
Concen: 4.611 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

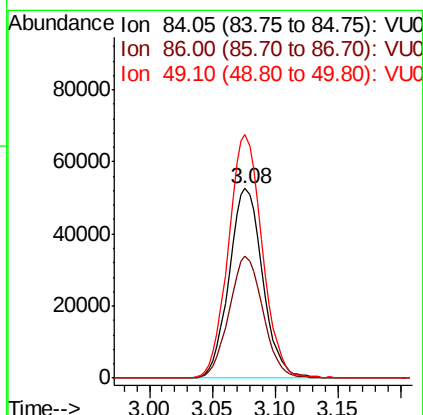
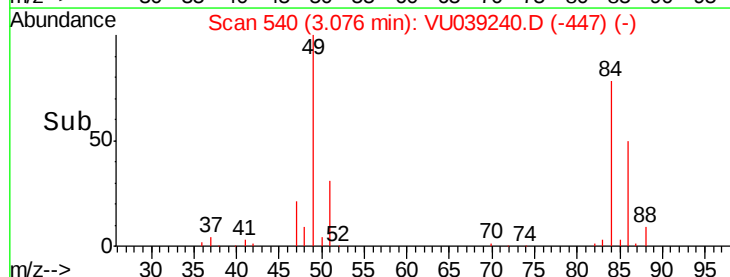
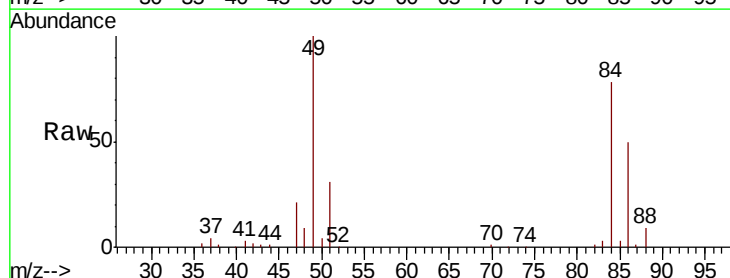
Instrument :
MSVOA_U
ClientSampleId :

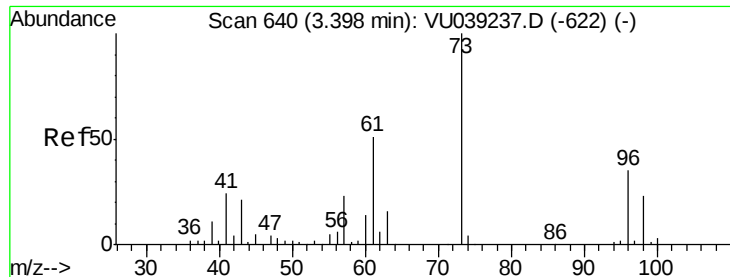
Tot Ion: 43 Resp: 44051
Ion Ratio Lower Upper
43 100
74 21.8 19.6 29.4



#16
Methylene chloride
Concen: 4.260 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

Tgt Ion: 84 Resp: 98042
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.5
49 128.3 88.4 164.2

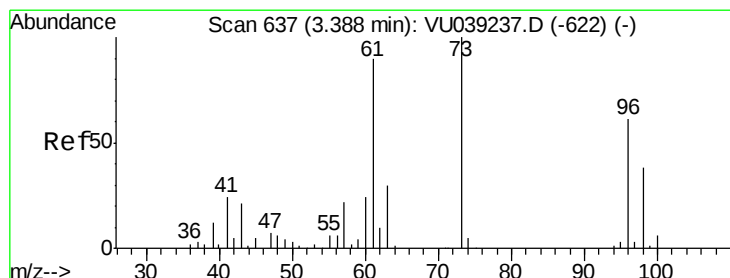
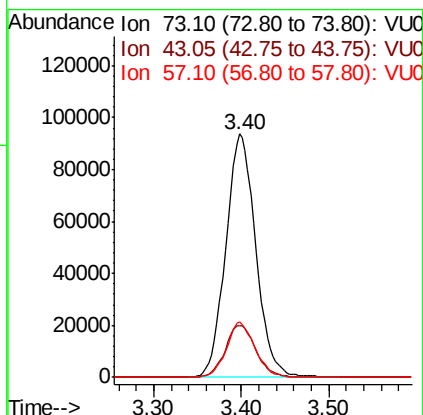
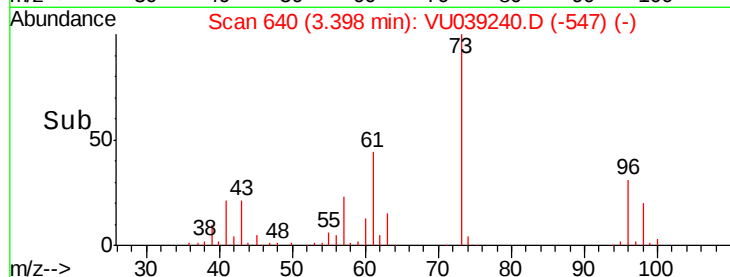
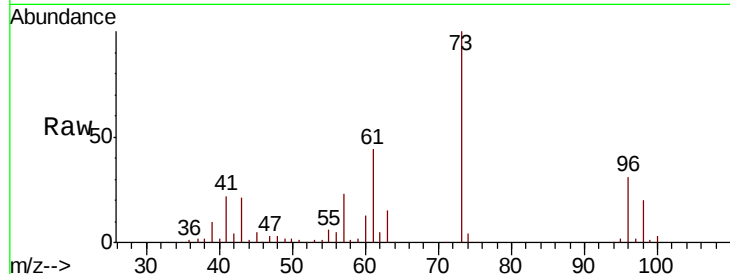




#17
Methvl tert-butvl Ether
Concen: 4.894 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

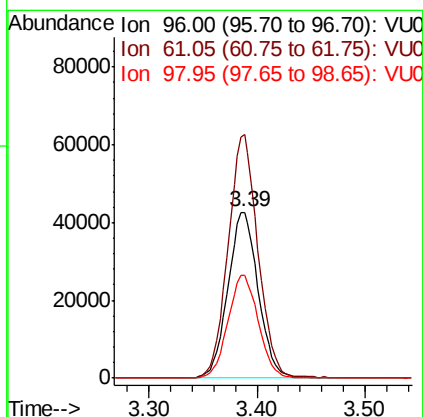
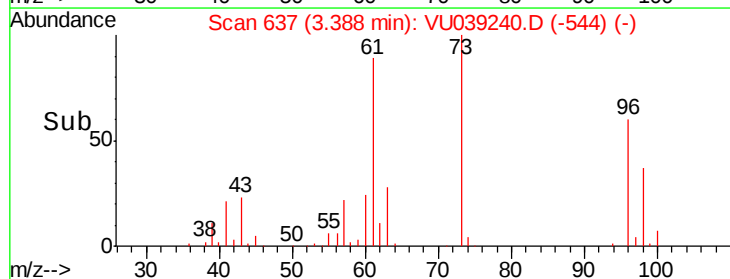
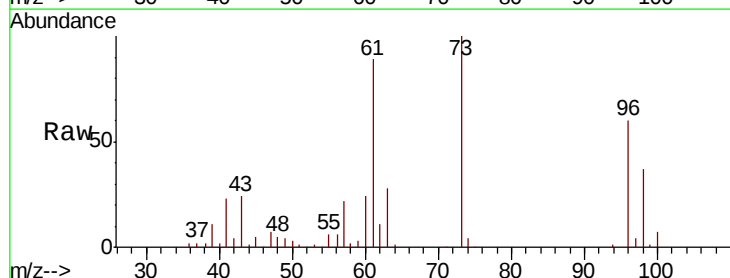
Instrument :
MSVOA_U
ClientSampleId :

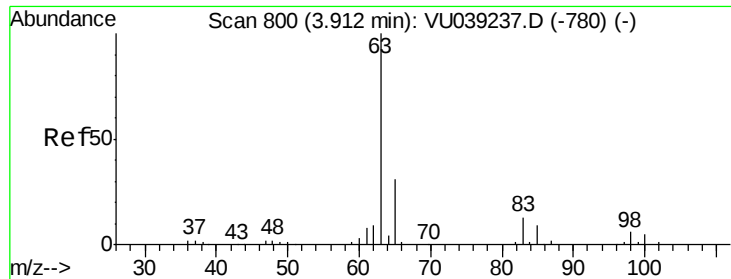
Tot Ion: 73 Resp: 222456
Ion Ratio Lower Upper
73 100
43 21.8 17.4 26.0
57 21.7 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 4.830 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

Tgt Ion: 96 Resp: 83499
Ion Ratio Lower Upper
96 100
61 146.7 103.3 191.8
98 61.7 44.0 81.8

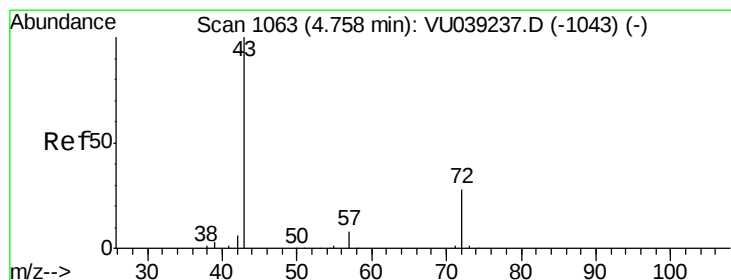
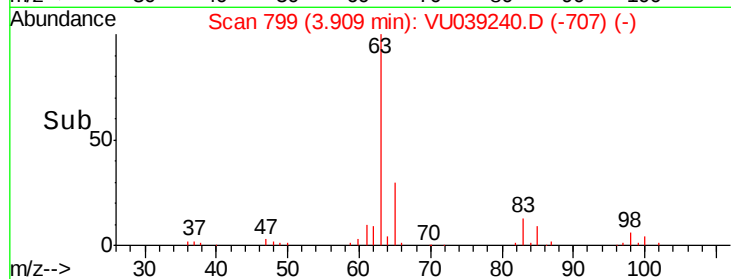
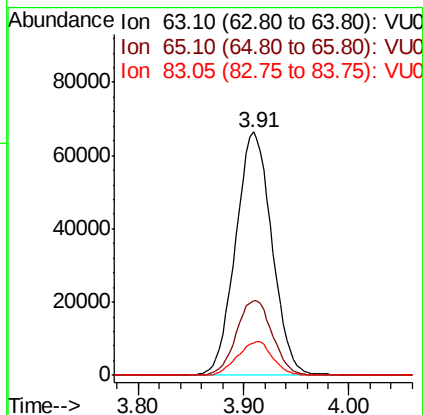
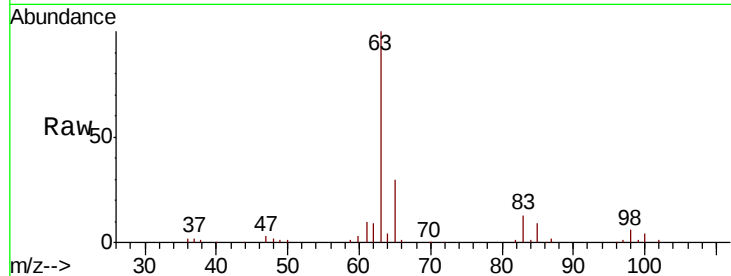




#19
 1,1-Dichloroethane
 Concen: 4.685 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

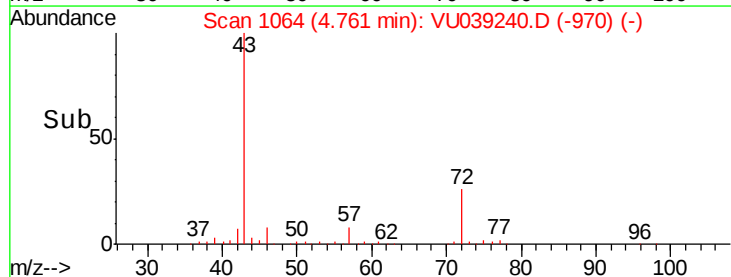
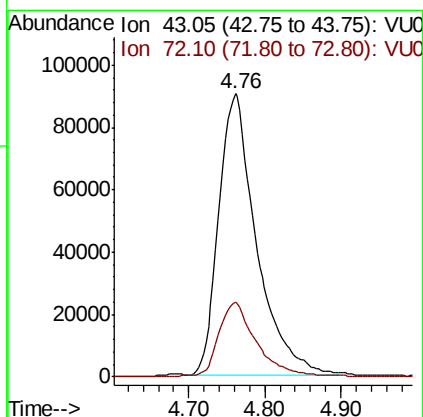
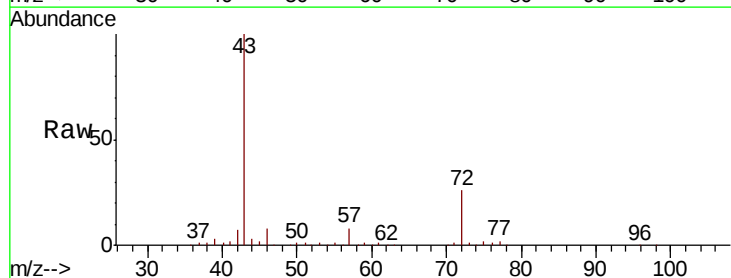
Instrument :
 MSVOA_U
 ClientSampleId :

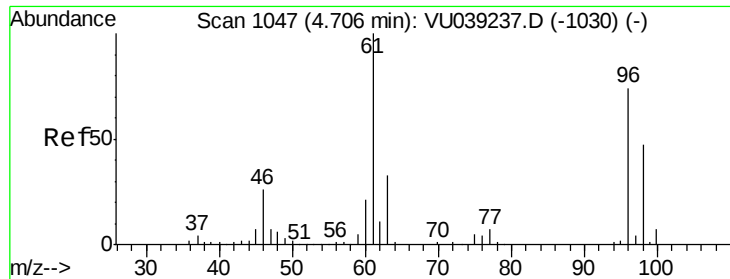
Tot Ion: 63 Resp: 158809
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.9 40.7
 83 13.5 9.2 17.2



#21
 2-Butanone
 Concen: 49.007 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 43 Resp: 311471
 Ion Ratio Lower Upper
 43 100
 72 26.8 13.7 41.0

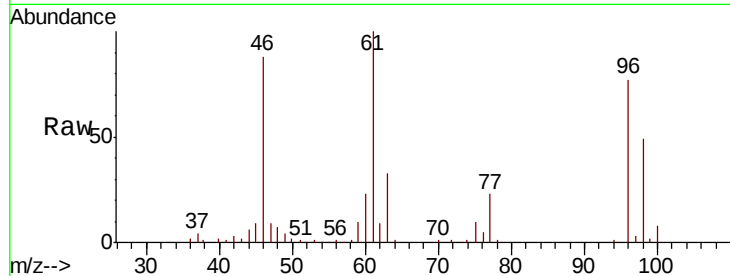




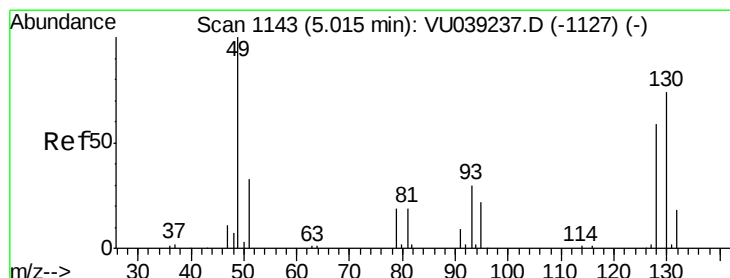
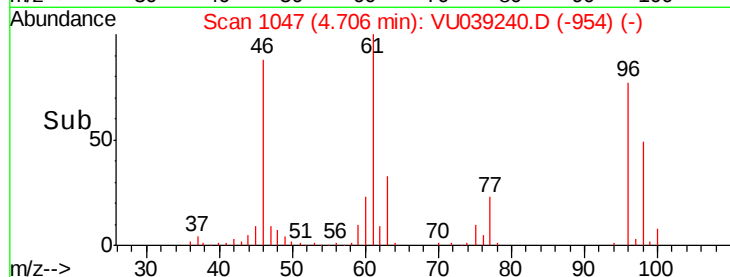
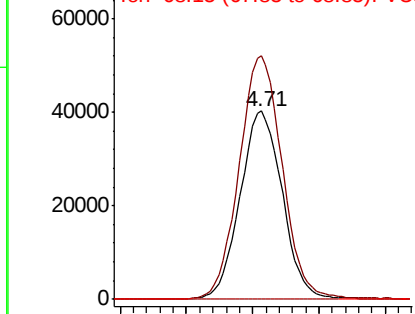
#22
 cis-1,2-Dichloroethene
 Concen: 4.876 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 89153
 Ion Ratio Lower Upper
 96 100
 61 129.4 94.2 175.0
 68 0.0 0.0 0.0

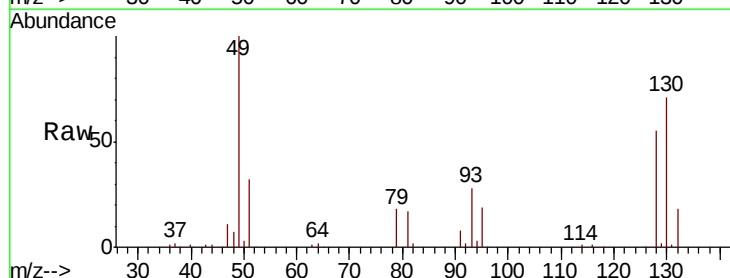


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

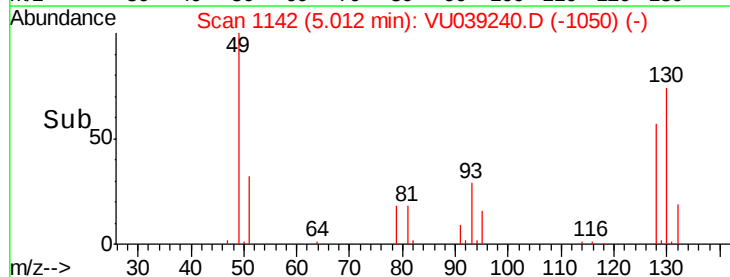
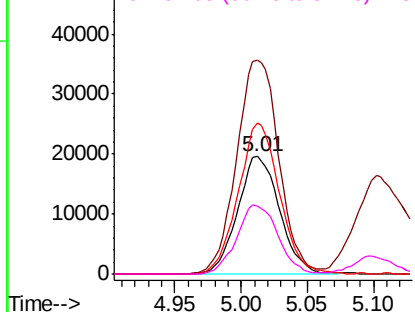


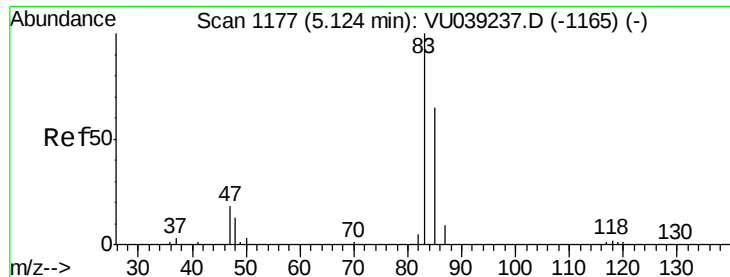
#23
 Bromochloromethane
 Concen: 5.150 ug/L
 RT: 5.01 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 128 Resp: 43050
 Ion Ratio Lower Upper
 128 100
 49 182.3 119.1 221.1
 130 129.2 87.8 163.2
 51 57.4 45.2 67.8



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

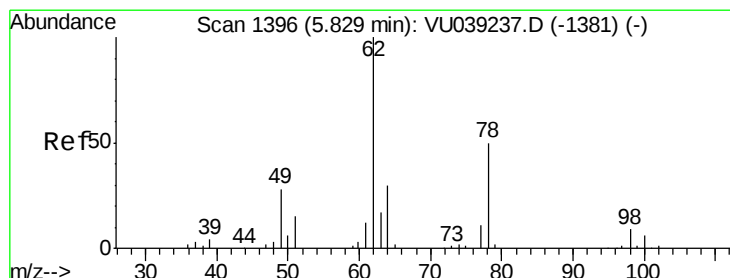
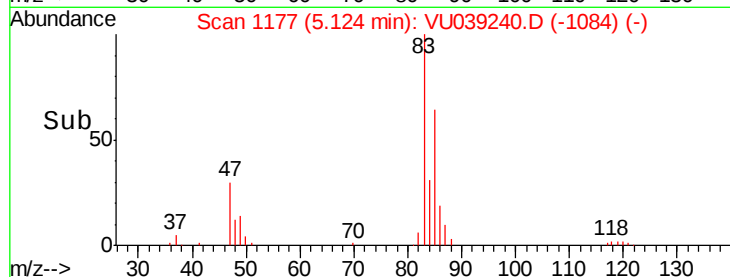
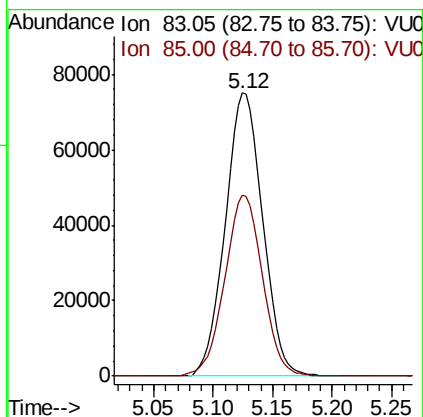
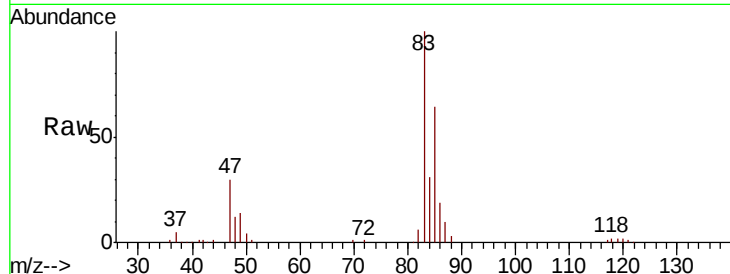




#25
Chloroform
Concen: 4.732 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

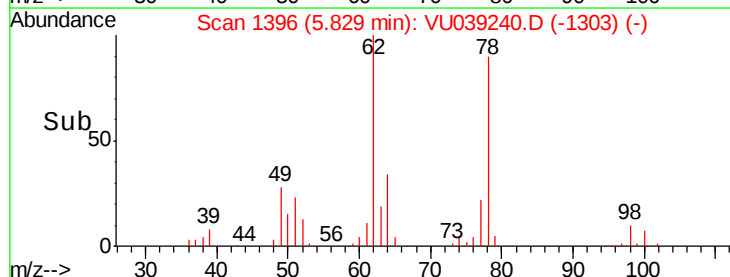
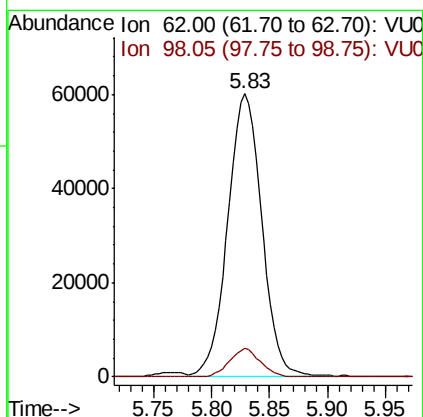
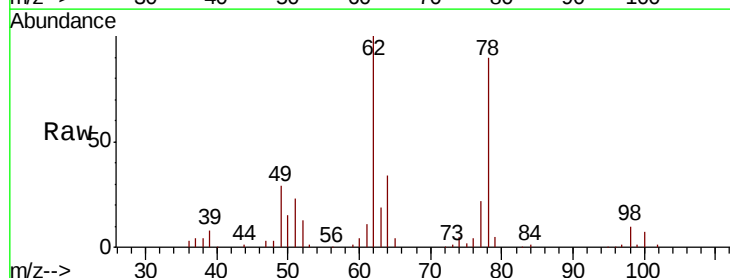
Instrument :
MSVOA_U
ClientSampleId :

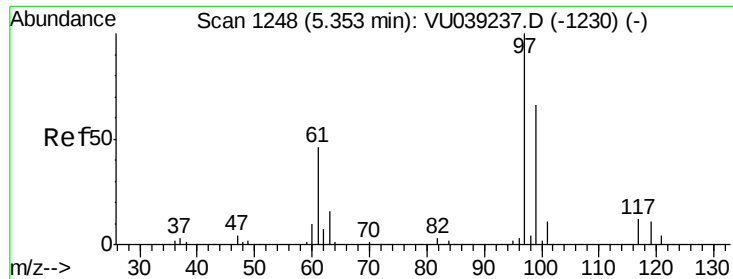
Tot Ion: 83 Resp: 163935
Ion Ratio Lower Upper
83 100
85 63.7 47.0 87.4



#27
1,2-Dichloroethane
Concen: 4.813 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

Tgt Ion: 62 Resp: 121709
Ion Ratio Lower Upper
62 100
98 9.9 6.8 10.2

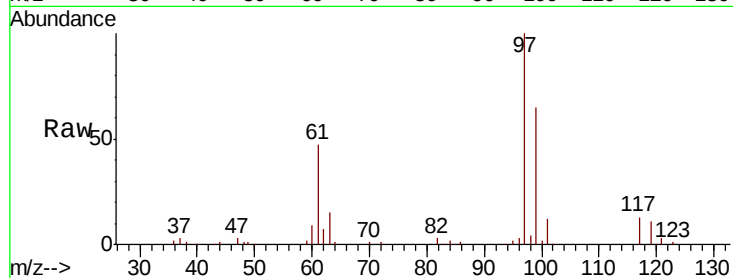




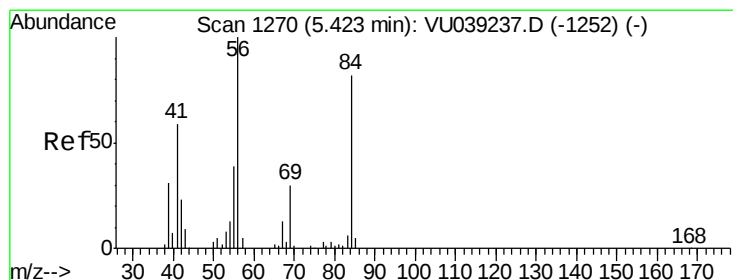
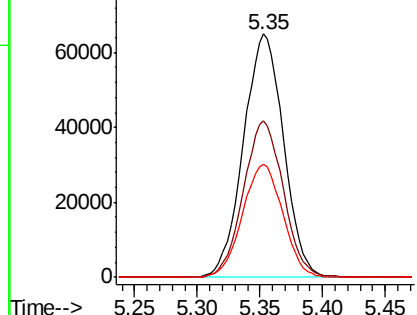
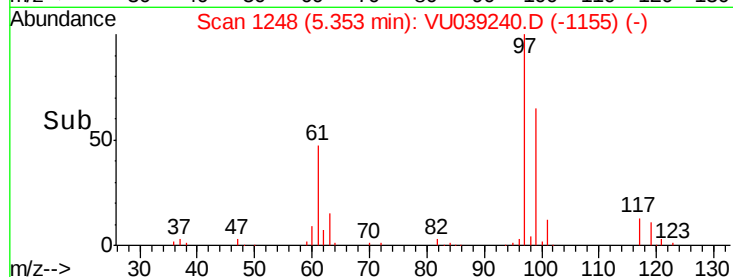
#29
 1,1,1-Trichloroethane
 Concen: 5.092 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 144419
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.2 78.2
 61 46.6 37.2 55.8

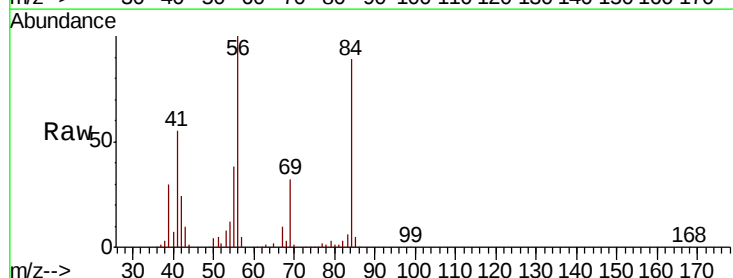


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

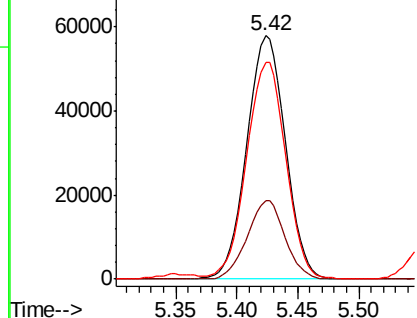
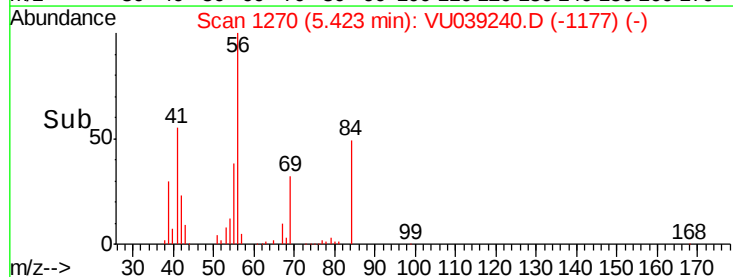


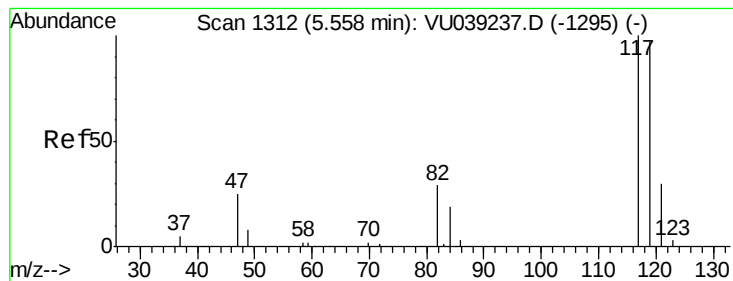
#30
 Cyclohexane
 Concen: 4.814 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 56 Resp: 126766
 Ion Ratio Lower Upper
 56 100
 69 31.5 23.9 35.9
 84 90.6 68.1 102.1



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





#31

Carbon tetrachloride

Concen: 5.321 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

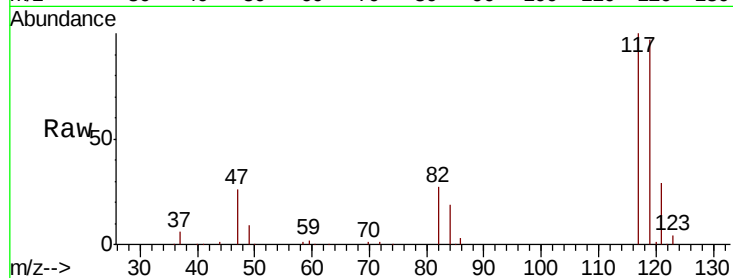
ClientSampleId :

Tot Ion:117 Resp: 127588

Ion Ratio Lower Upper

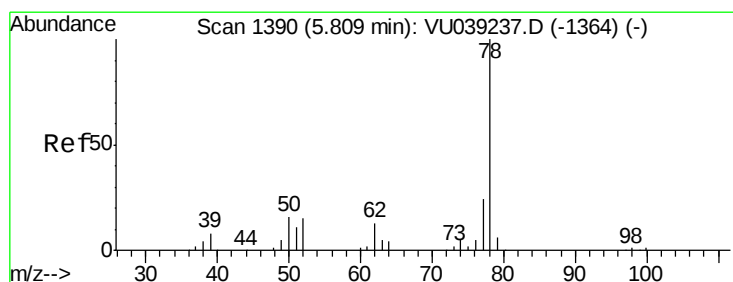
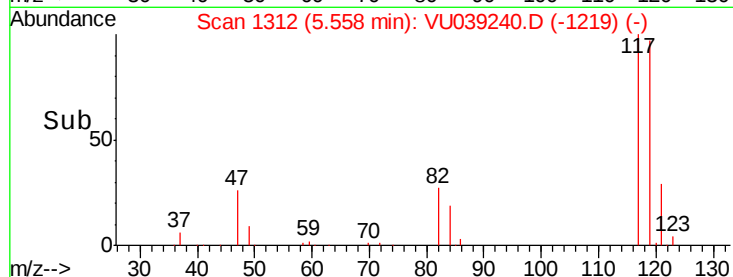
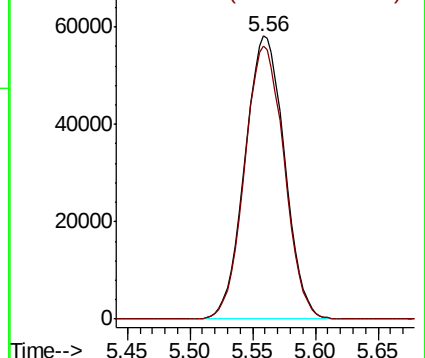
117 100

119 96.2 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.556 ug/L

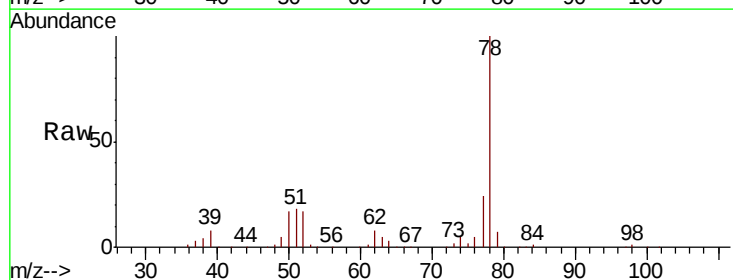
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

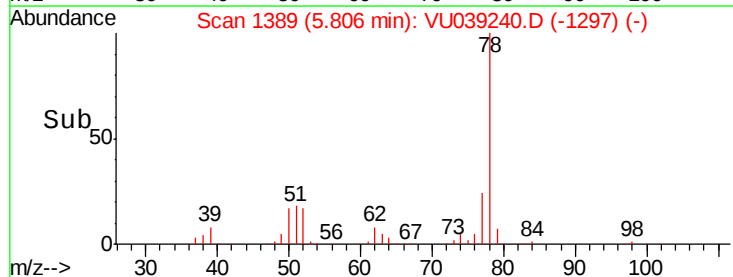
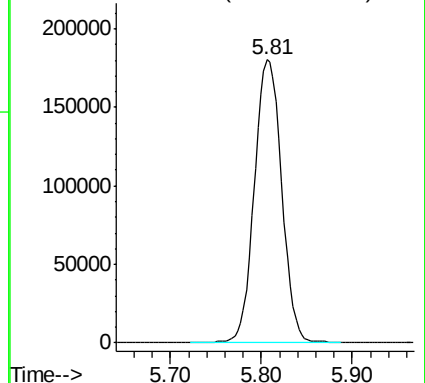
Lab File: VU039240.D

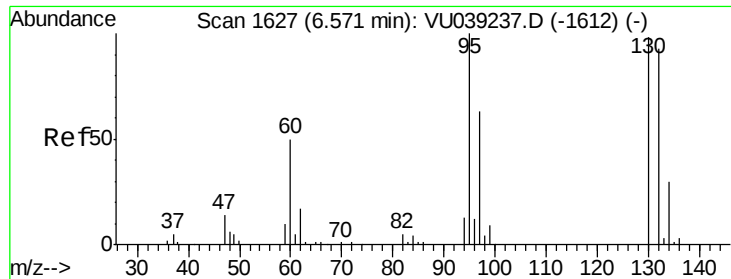
Acq: 30 Jun 2020 16:20

Tgt Ion: 78 Resp: 376654



Abundance Ion 78.10 (77.80 to 78.80): VU0

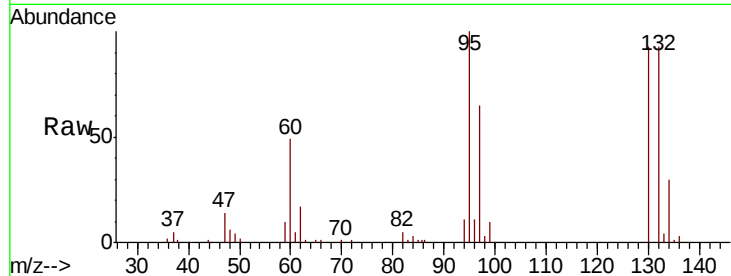




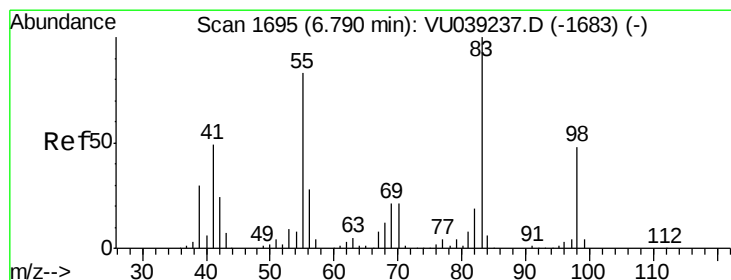
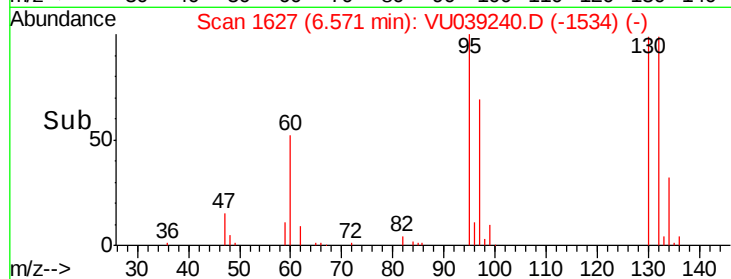
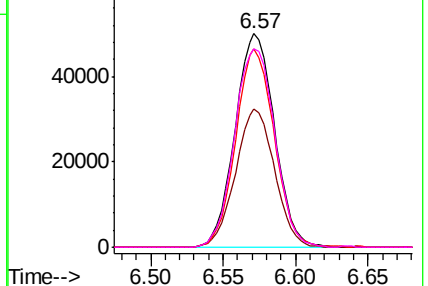
#34
 Trichloroethene
 Concen: 5.315 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 94717
 Ion Ratio Lower Upper
 95 100
 97 64.6 44.0 81.8
 132 93.0 64.9 120.5
 130 93.0 68.7 127.5

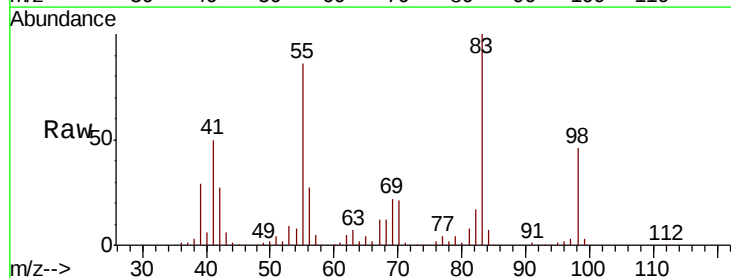


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

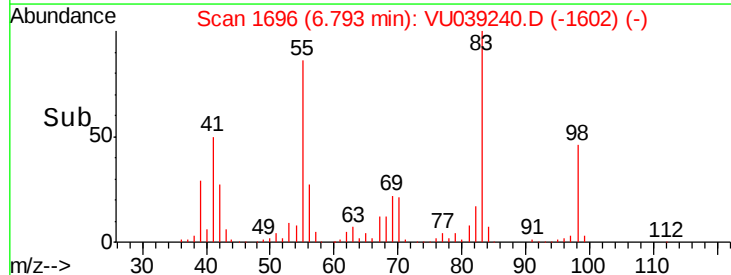
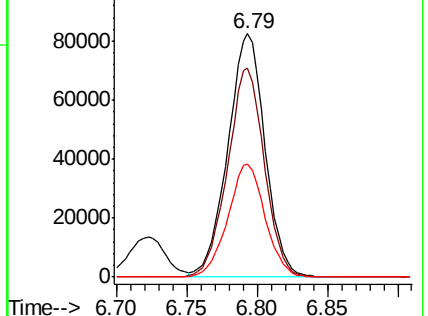


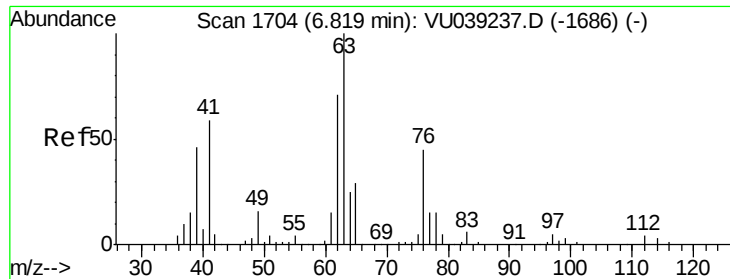
#35
 Methylcyclohexane
 Concen: 5.719 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 83 Resp: 152319
 Ion Ratio Lower Upper
 83 100
 55 84.8 64.4 96.6
 98 46.5 37.9 56.9



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

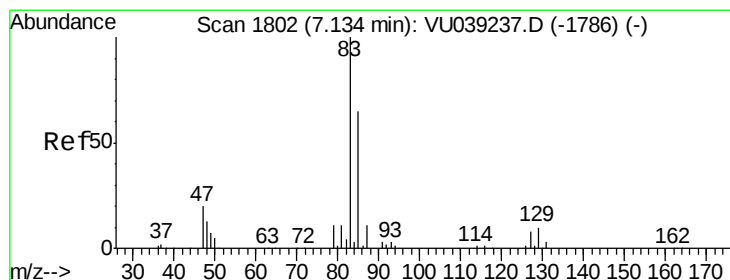
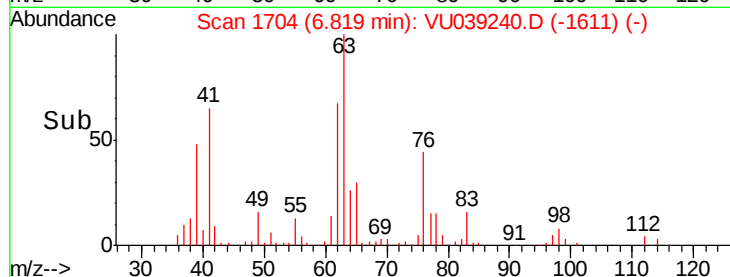
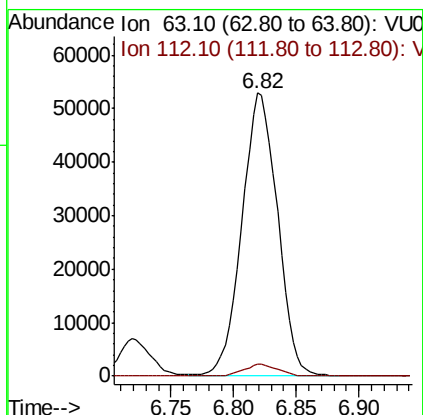
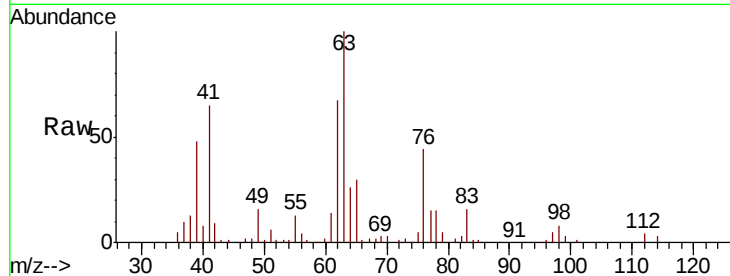




#37
 1,2-Dichloropropane
 Concen: 5.717 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

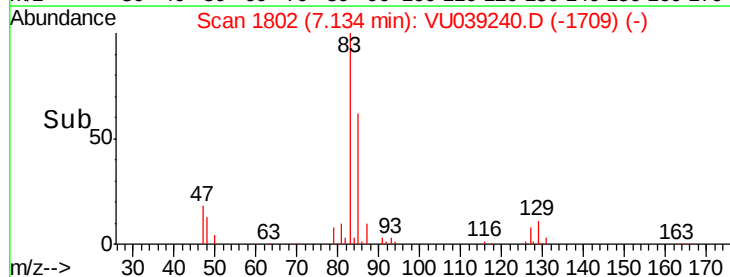
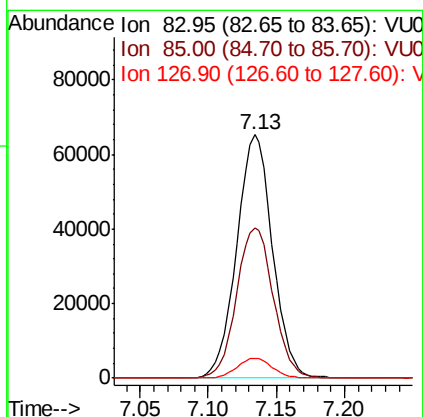
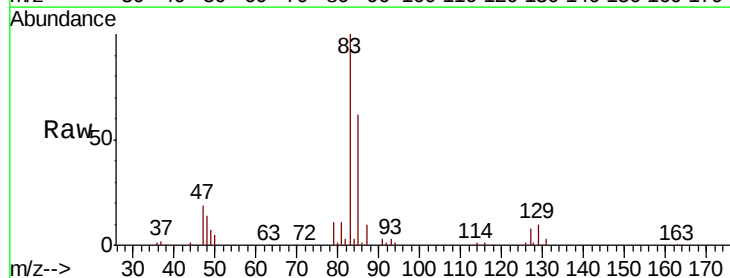
Instrument :
 MSVOA_U
 ClientSampled :

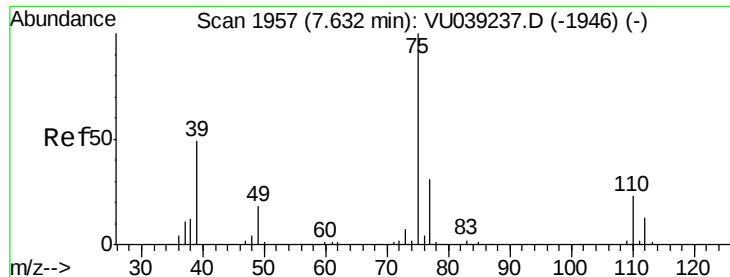
Tot Ion: 63 Resp: 104811
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.905 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 83 Resp: 118841
 Ion Ratio Lower Upper
 83 100
 85 61.5 45.6 84.8
 127 8.1 6.1 9.1

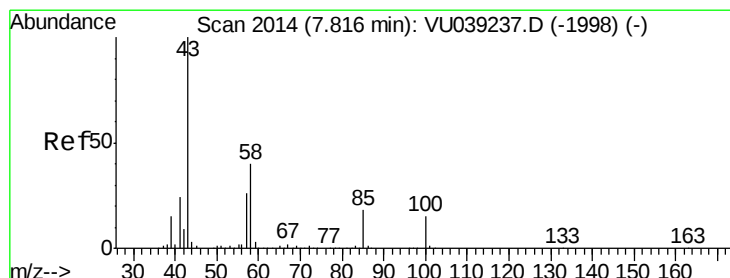
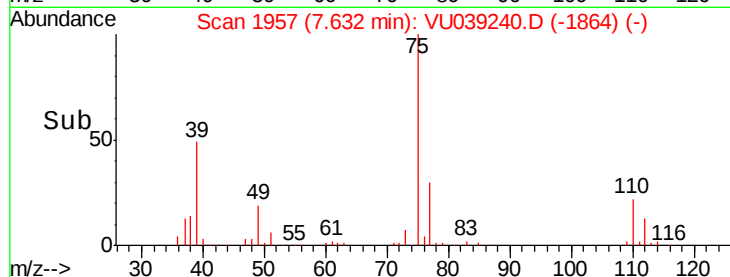
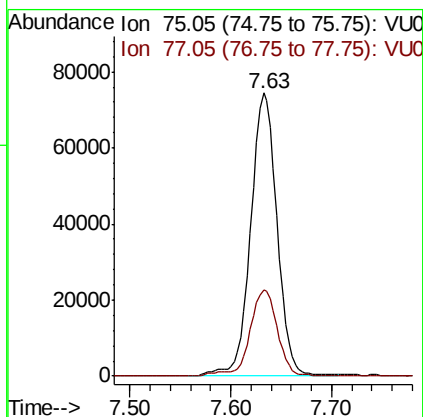
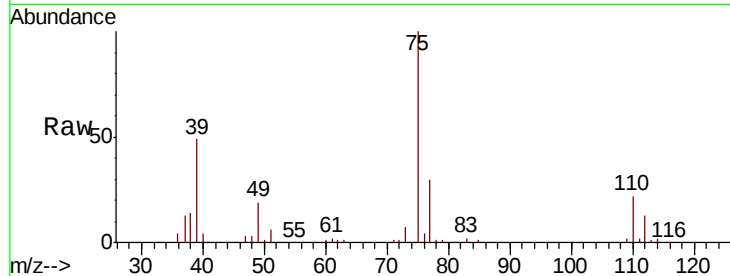




#39
 cis-1,3-Dichloropropene
 Concen: 5.177 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

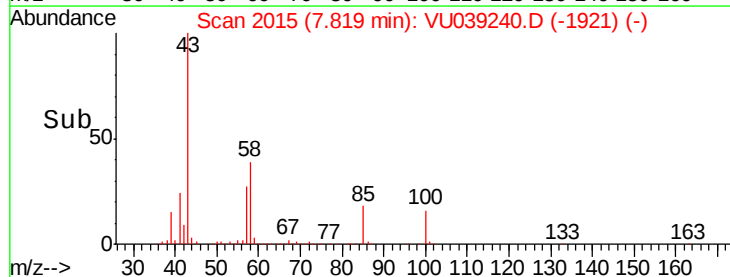
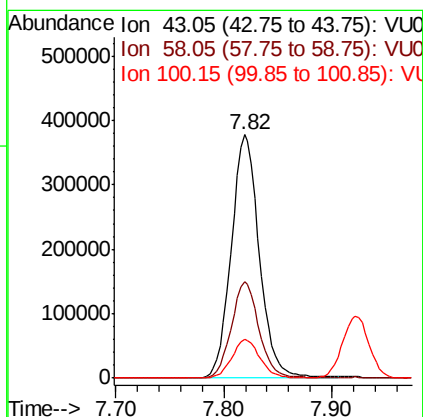
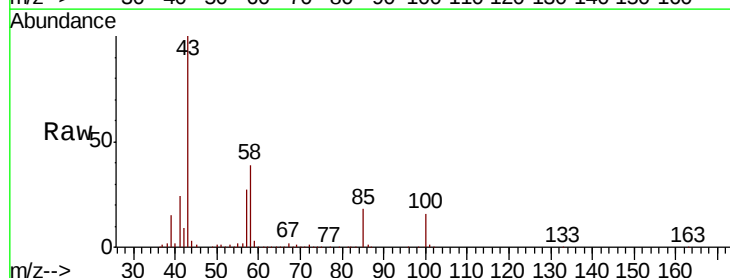
Instrument :
 MSVOA_U
 ClientSampleId :

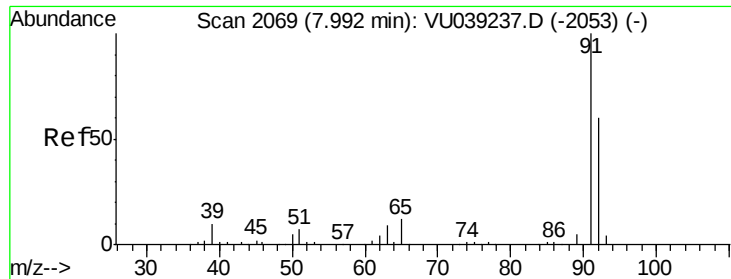
Tot Ion: 75 Resp: 134744
 Ion Ratio Lower Upper
 75 100
 77 30.4 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 49.929 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion: 43 Resp: 684622
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.1 46.7
 100 15.9 12.4 18.6





#42

Toluene

Concen: 5.152 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

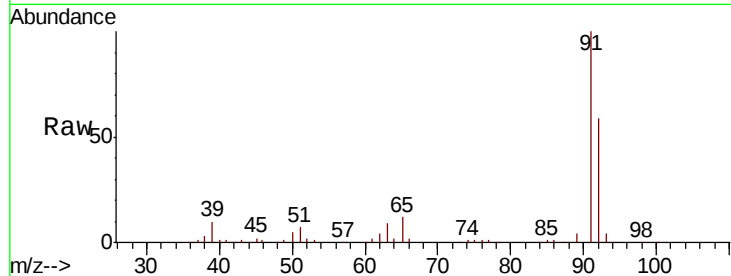
ClientSampleId :

Tot Ion: 91 Resp: 358005

Ion Ratio Lower Upper

91 100

92 59.3 41.7 77.5



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039237.D (-2053) (-)

7.99

250000

200000

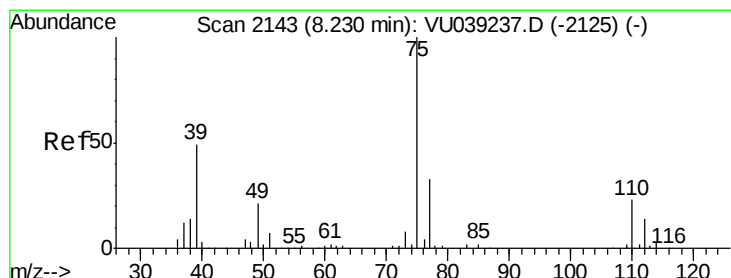
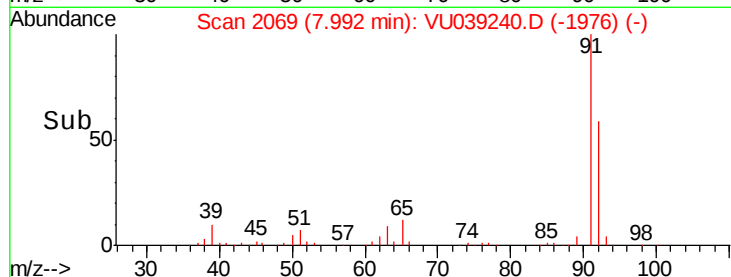
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 5.147 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039240.D

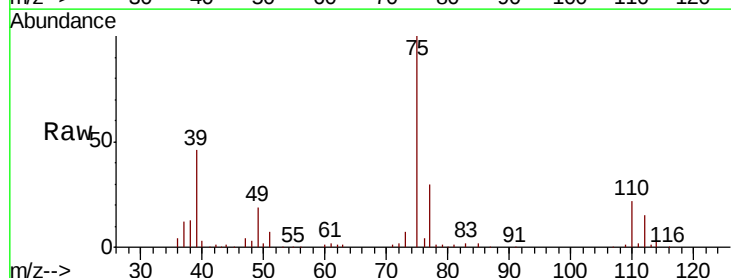
Acq: 30 Jun 2020 16:20

Tgt Ion: 75 Resp: 126325

Ion Ratio Lower Upper

75 100

77 30.2 22.9 42.5



Abundance Ion 75.05 (74.75 to 75.75): VU039237.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU039237.D (-2125) (-)

8.23

80000

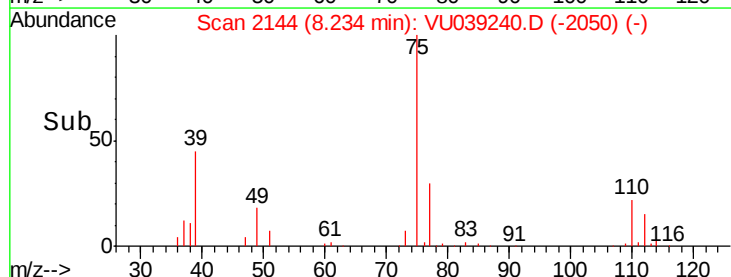
60000

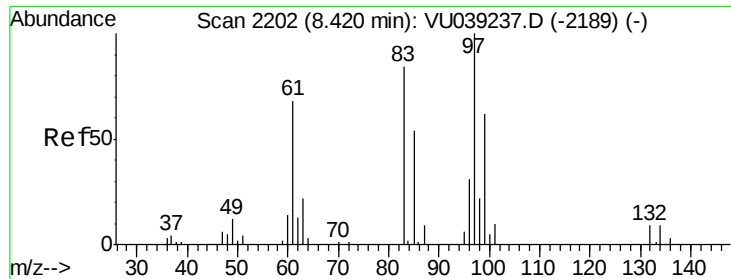
40000

20000

0

Time--> 8.15 8.20 8.25 8.30

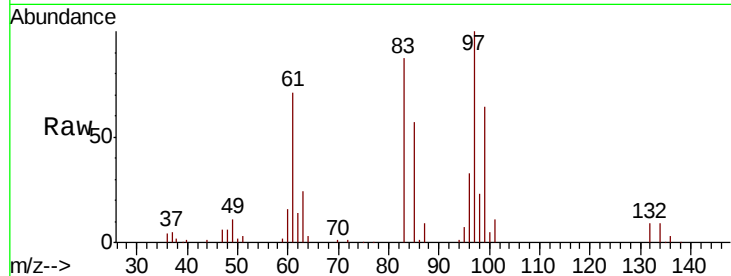




#45
 1,1,2-Trichloroethane
 Concen: 4.926 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	68469
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.7	81.1
83	87.2	58.9	109.3
85	56.6	37.9	70.3



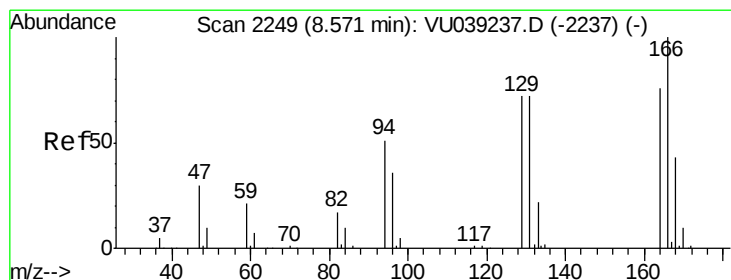
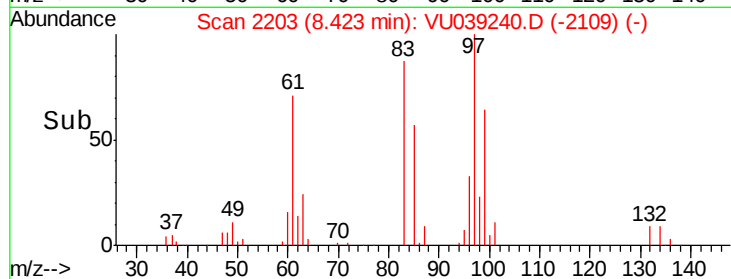
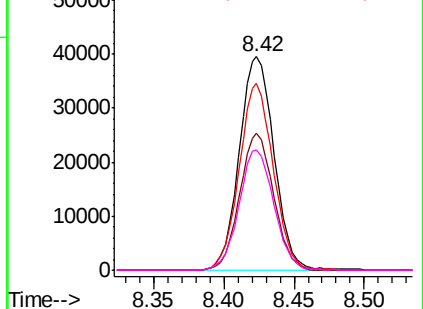
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

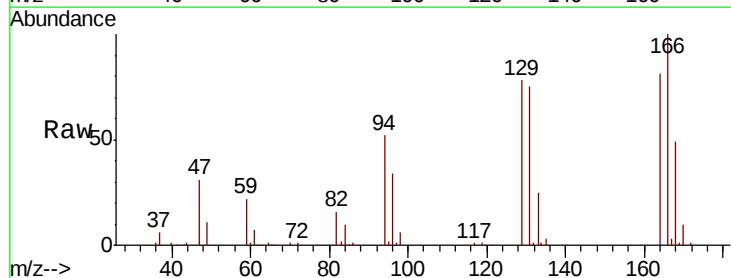
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.117 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion:	164	Resp:	63976
Ion	Ratio	Lower	Upper
164	100		
129	96.5	66.4	123.4
131	92.5	66.7	123.9
166	123.3	92.3	171.5



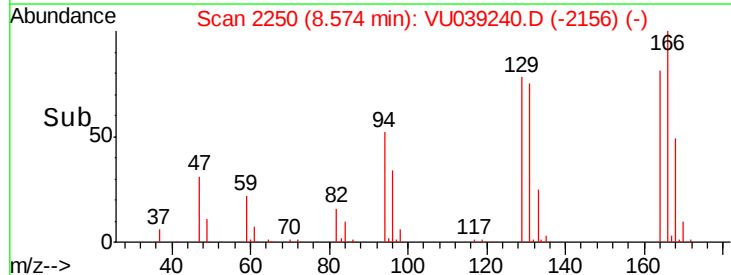
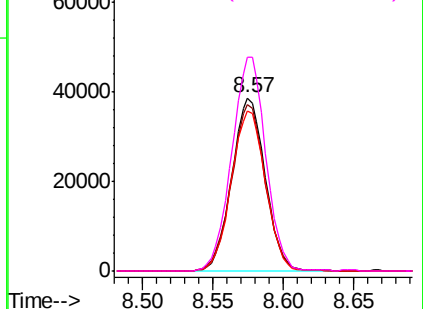
Abundance

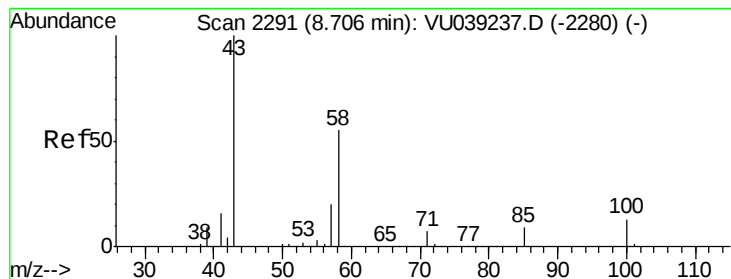
Ion 163.90 (163.60 to 164.60): V

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: 48.952 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 519050

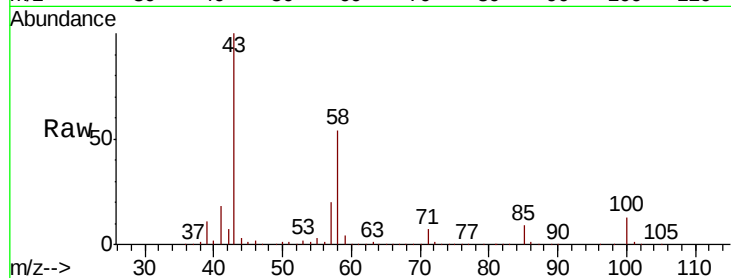
Ion Ratio Lower Upper

43 100

58 55.1 43.6 65.4

57 20.4 15.5 23.3

100 12.5 10.0 15.0

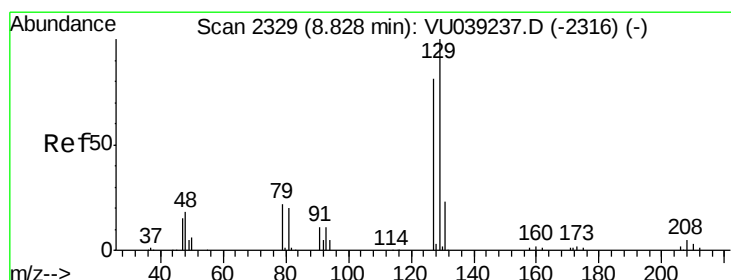
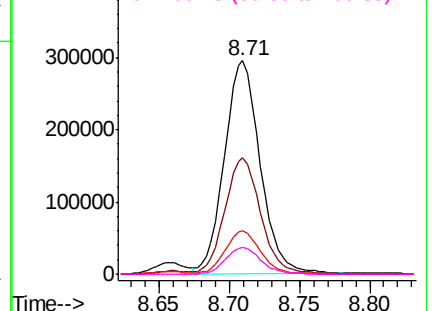
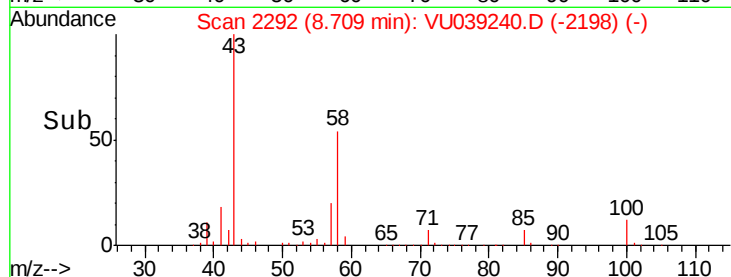


Abundance Ion 43.05 (42.75 to 43.75): VU039240.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VU039240.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VU039240.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VU039240.D (-2198) (-)



#49

Dibromochloromethane

Concen: 5.265 ug/L

RT: 8.83 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU039240.D

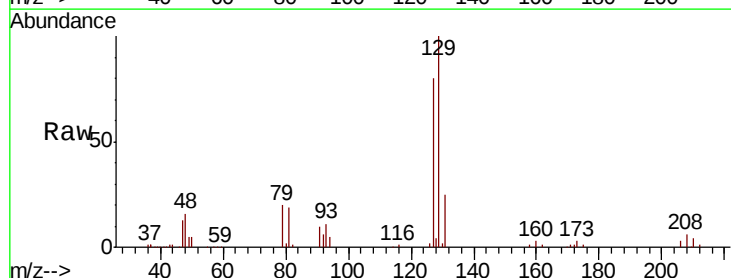
Acq: 30 Jun 2020 16:20

Tgt Ion: 129 Resp: 80717

Ion Ratio Lower Upper

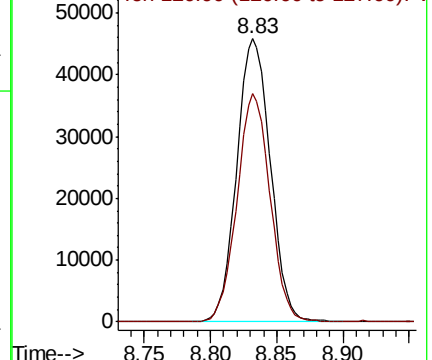
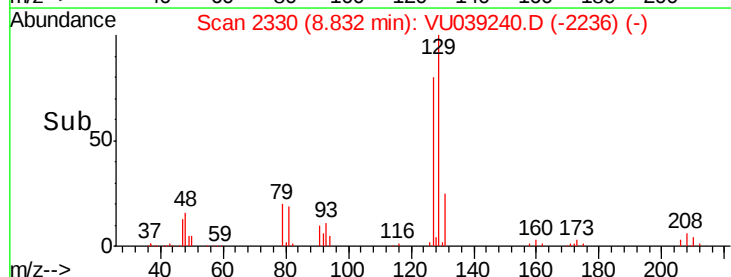
129 100

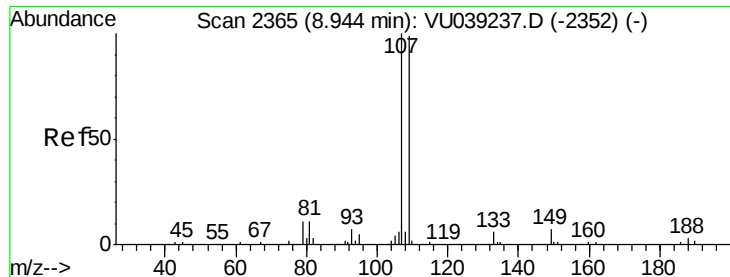
127 80.5 56.8 105.4



Abundance Ion 128.95 (128.65 to 129.65): VU039240.D (-2236) (-)

Ion 126.90 (126.60 to 127.60): VU039240.D (-2236) (-)





#50

1,2-Dibromoethane

Concen: 5.181 ug/L

RT: 8.95 min Scan# 2366

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampled :

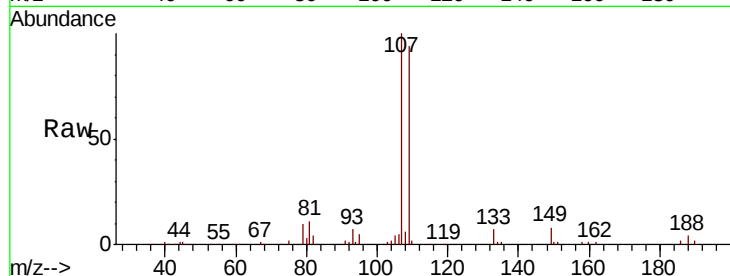
Tot Ion:107 Resp: 67216

Ion Ratio Lower Upper

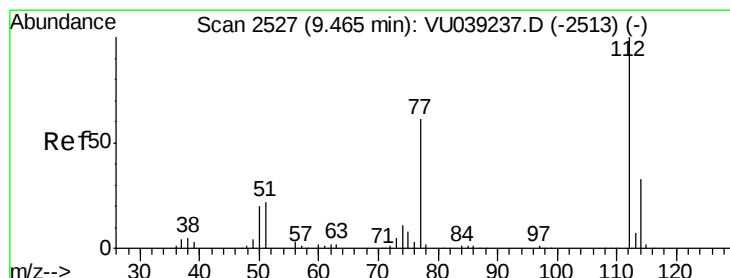
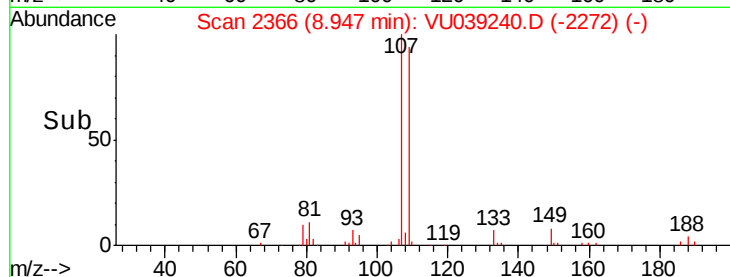
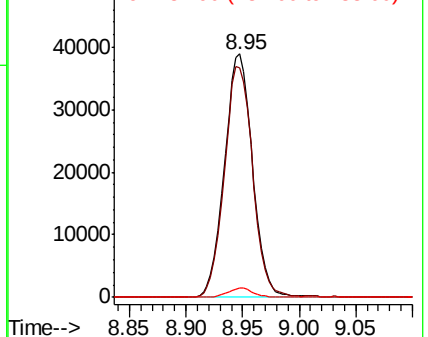
107 100

109 94.2 69.0 128.1

188 3.7 2.6 4.0



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: 4.964 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

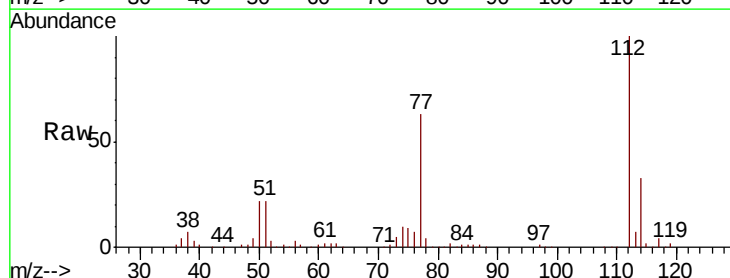
Tgt Ion:112 Resp: 225393

Ion Ratio Lower Upper

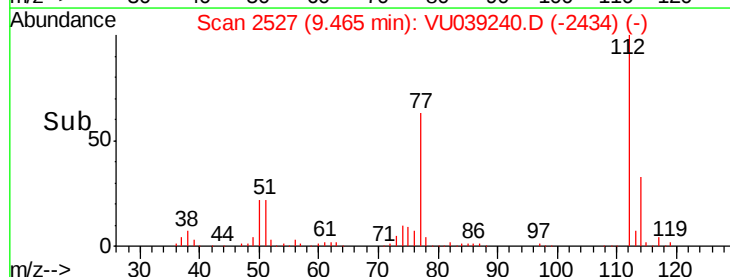
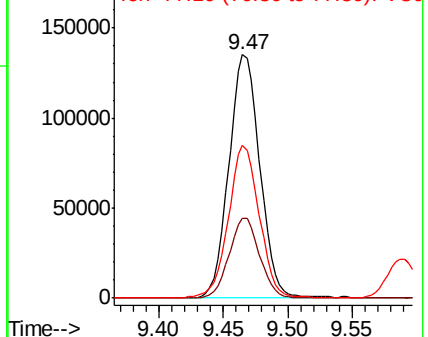
112 100

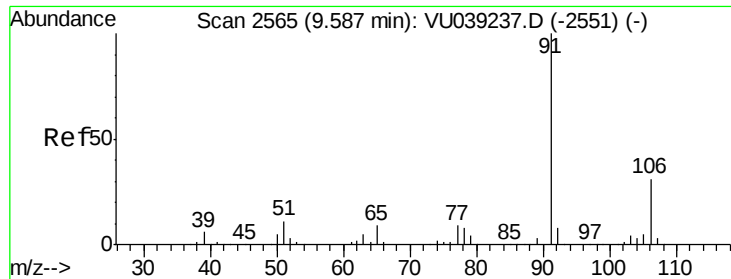
114 33.0 22.8 42.4

77 62.6 49.7 74.5



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: 4.967 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

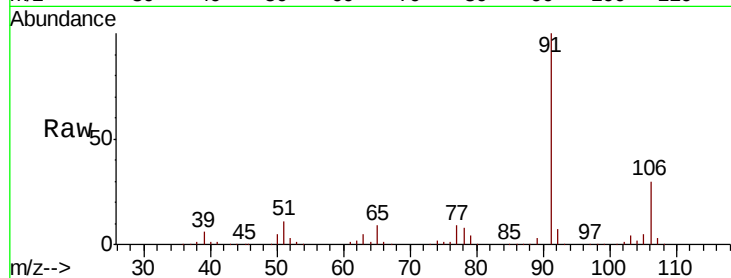
ClientSampleId :

Tot Ion: 91 Resp: 381503

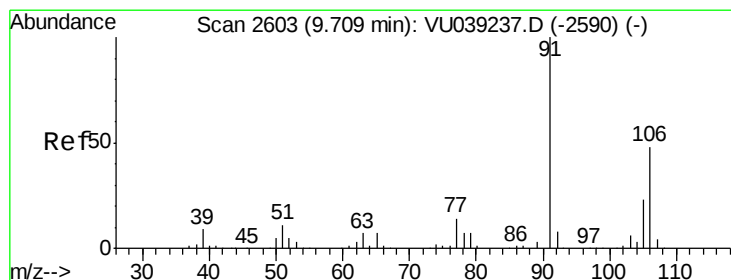
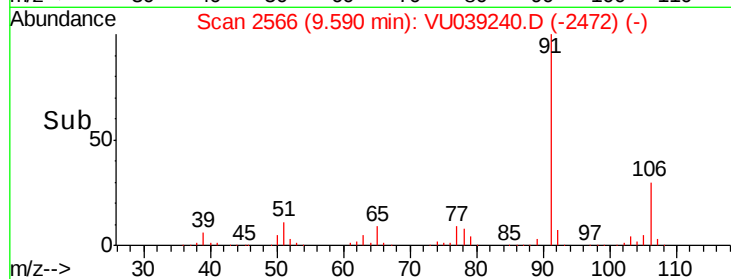
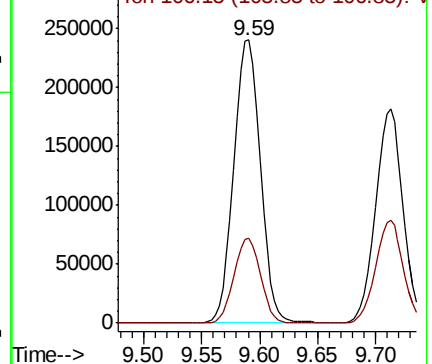
Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039237.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.149 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU039240.D

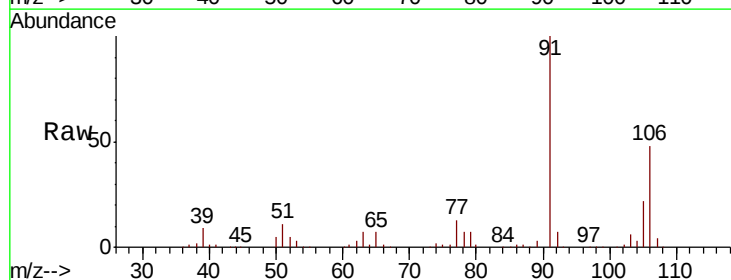
Acq: 30 Jun 2020 16:20

Tgt Ion: 106 Resp: 145931

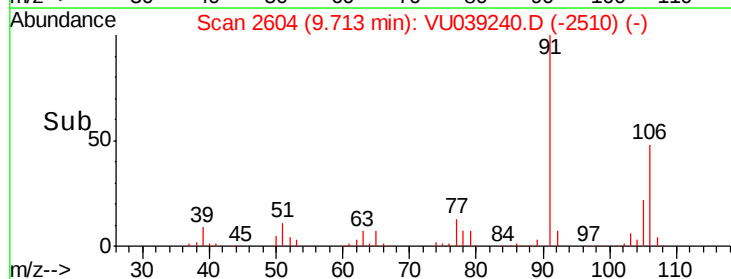
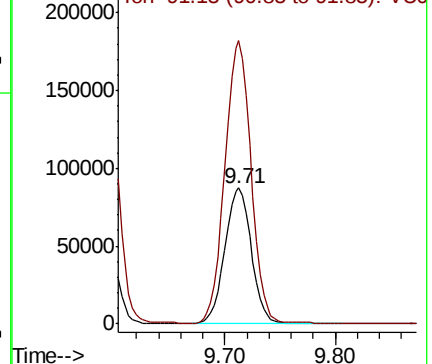
Ion Ratio Lower Upper

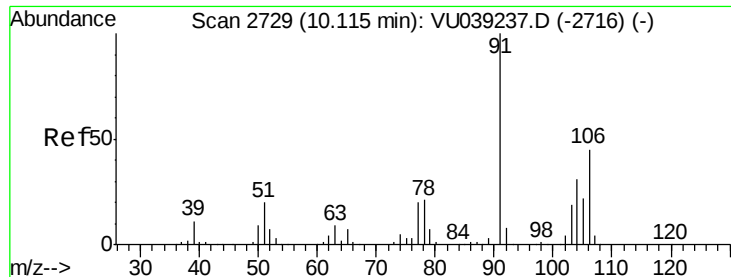
106 100

91 208.4 147.3 273.5



Abundance Ion 106.15 (105.85 to 106.85): VU039237.D (-2590) (-)

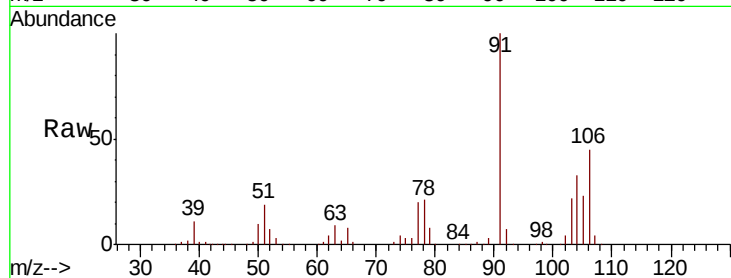




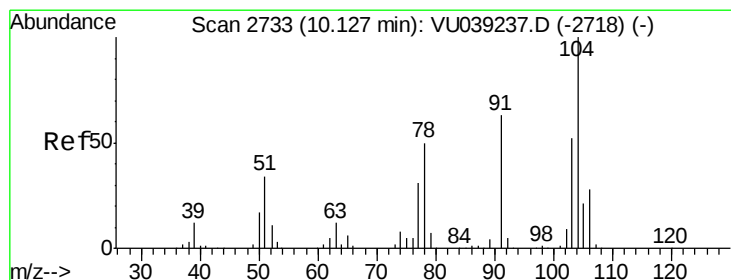
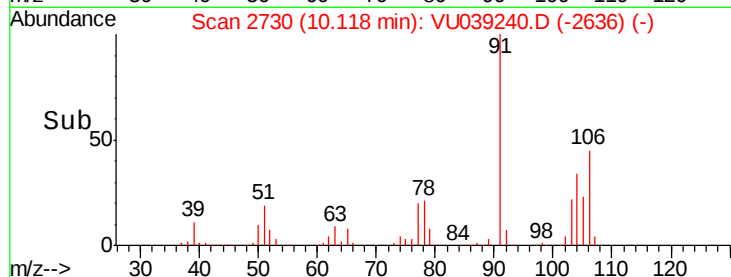
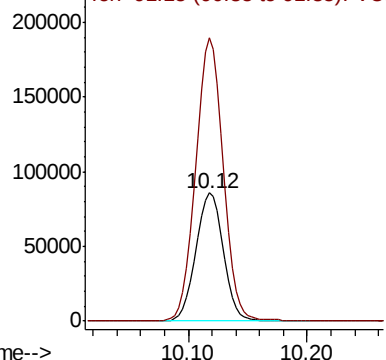
#54
o-Xylene
Concen: 5.133 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 137499
Ion Ratio Lower Upper
106 100
91 221.1 154.2 286.4

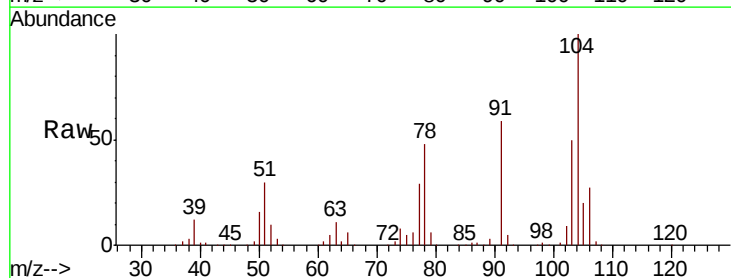


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

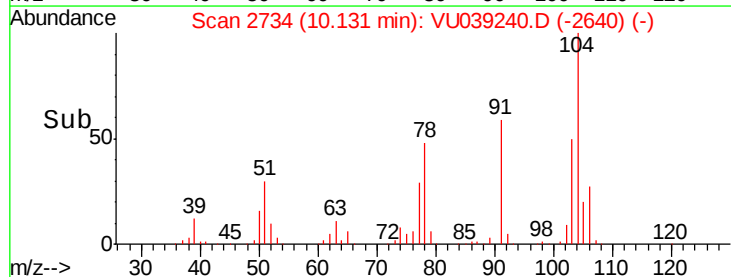
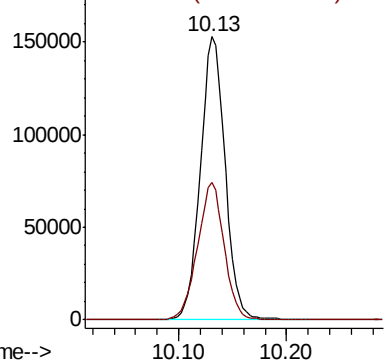


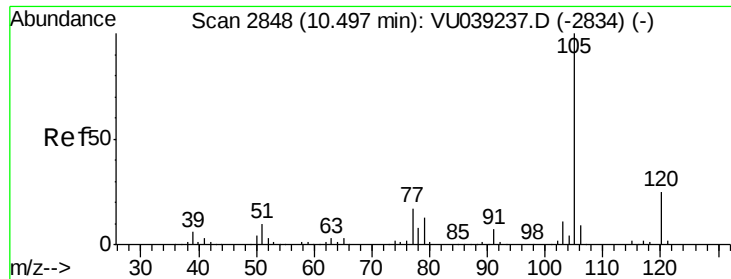
#55
Styrene
Concen: 5.296 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039240.D
Acq: 30 Jun 2020 16:20

Tgt Ion:104 Resp: 245133
Ion Ratio Lower Upper
104 100
78 48.4 35.1 65.3



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





#56

Isopropylbenzene

Concen: 5.147 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

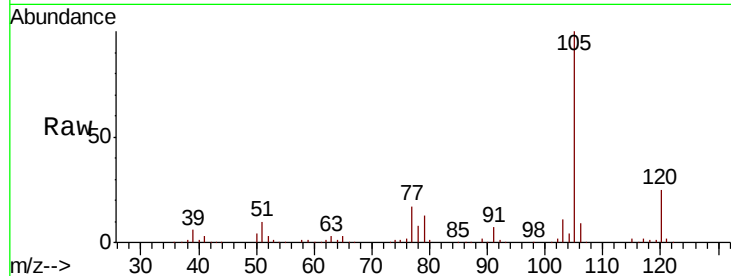
Tot Ion:105 Resp: 365210

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6

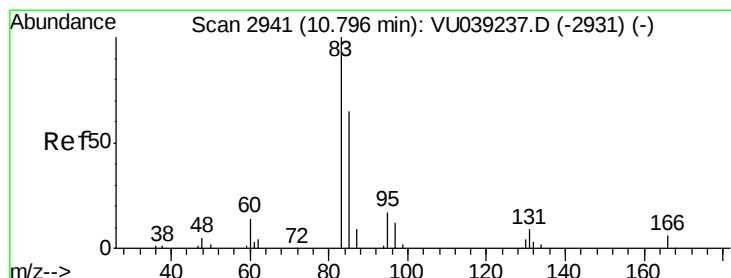
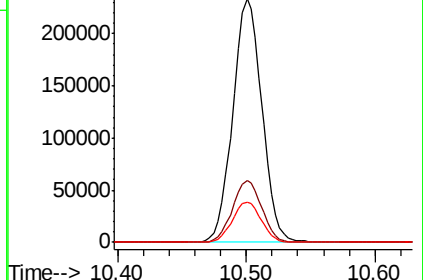
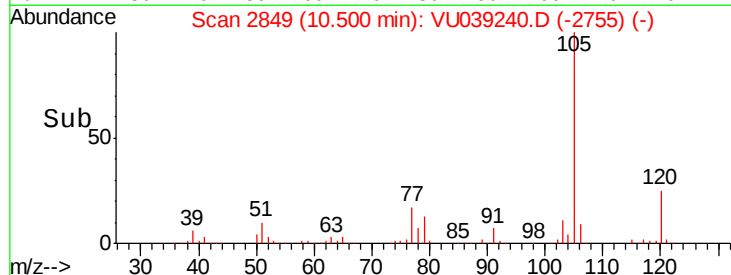
77 16.7 13.3 19.9



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: 4.923 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

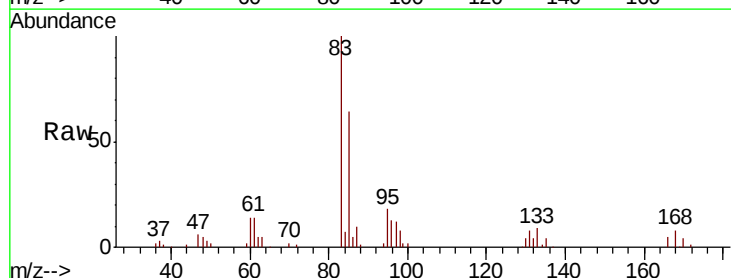
Tgt Ion: 83 Resp: 86435

Ion Ratio Lower Upper

83 100

85 64.1 45.4 84.4

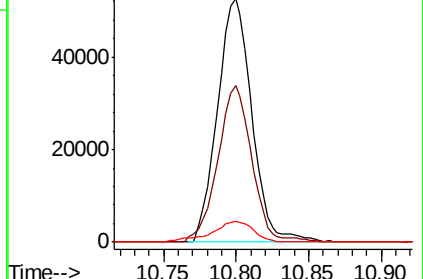
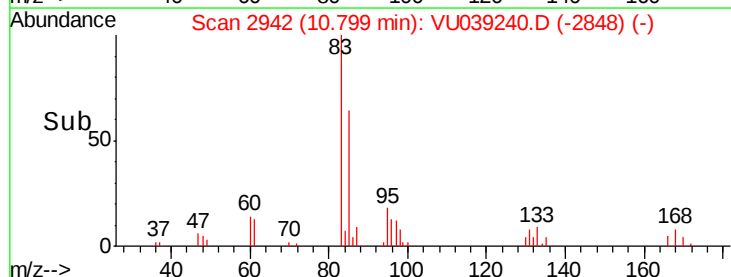
131 8.4 8.4 12.6#

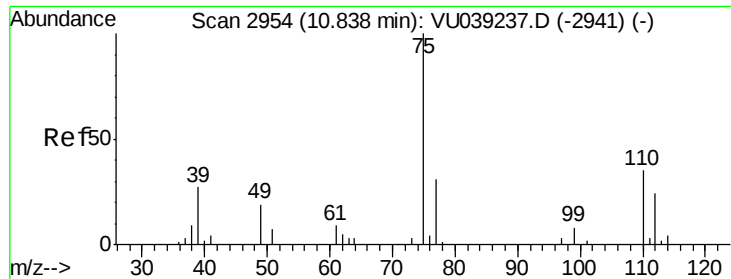


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.842 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

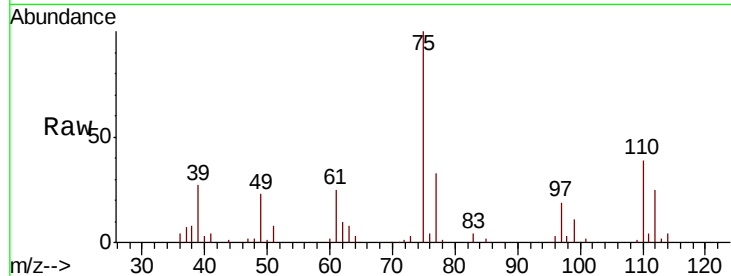
ClientSampleId :

Tot Ion: 75 Resp: 68677

Ion Ratio Lower Upper

75 100

77 32.4 24.6 36.8

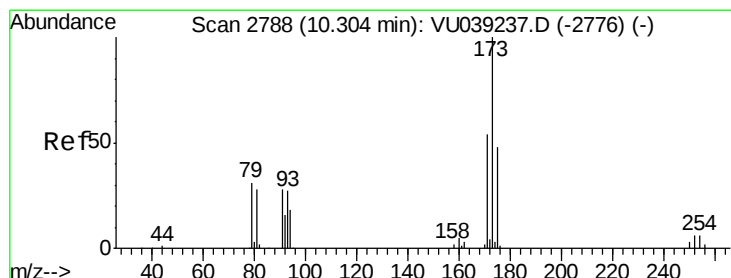
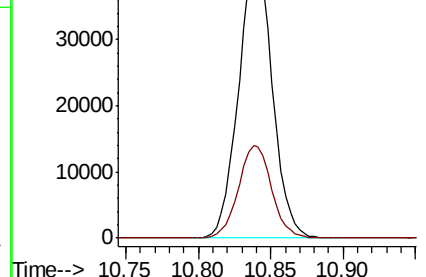
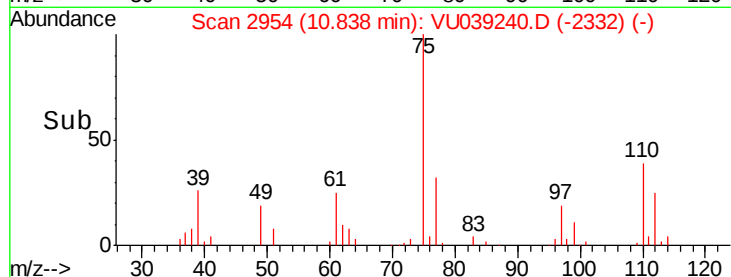


Abundance Ion 75.00 (74.70 to 75.70): VU039237.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU039237.D (-2941) (-)

10.84

Time-->



#61

Bromoform

Concen: 4.856 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.01 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

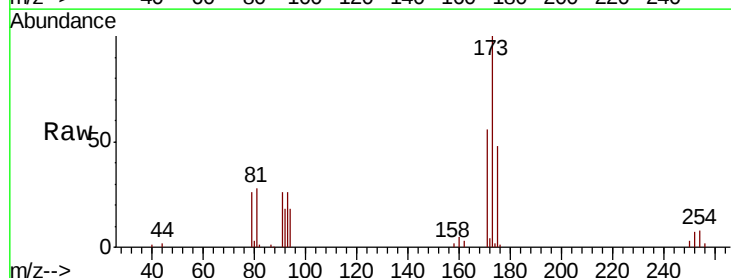
Tgt Ion: 173 Resp: 45175

Ion Ratio Lower Upper

173 100

175 46.5 38.6 58.0

254 7.2 5.0 7.6



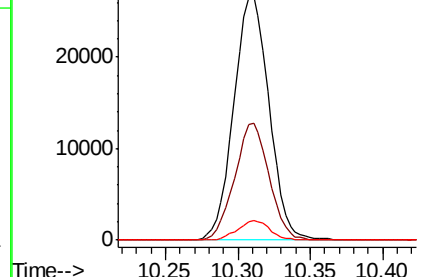
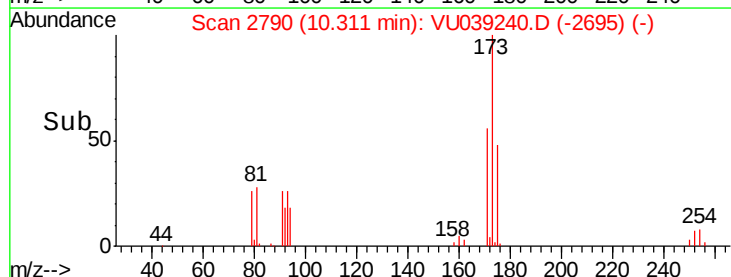
Abundance Ion 172.90 (172.60 to 173.60): VU039237.D (-2776) (-)

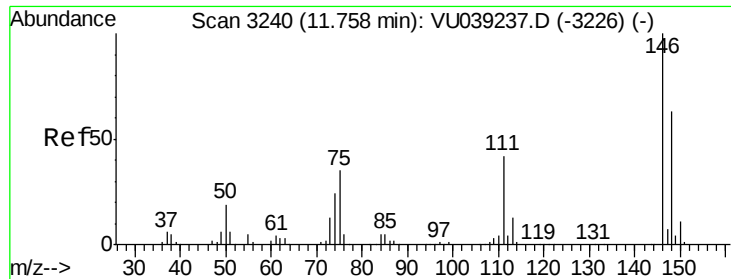
Ion 174.90 (174.60 to 175.60): VU039237.D (-2776) (-)

Ion 253.75 (253.45 to 254.45): VU039237.D (-2776) (-)

10.31

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.951 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampled :

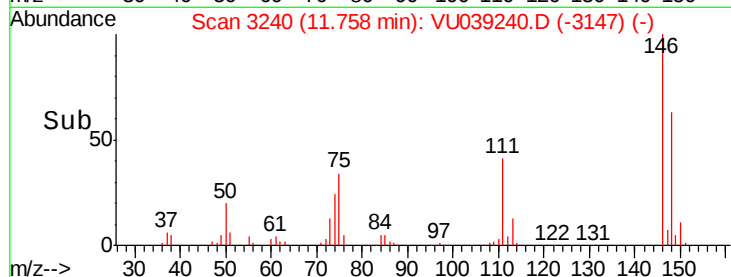
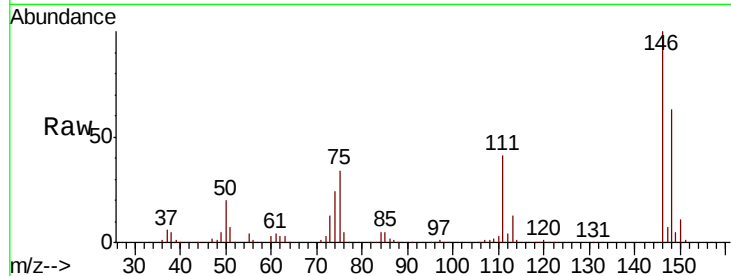
Tot Ion:146 Resp: 177711

Ion Ratio Lower Upper

146 100

111 41.3 29.6 55.0

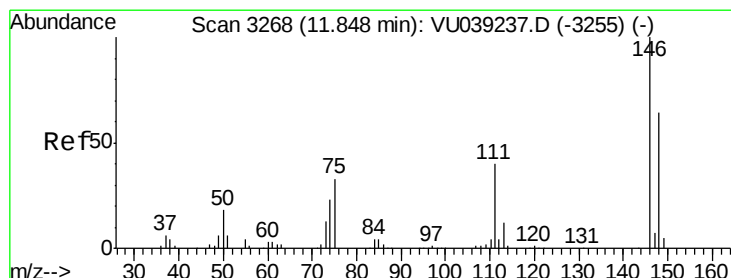
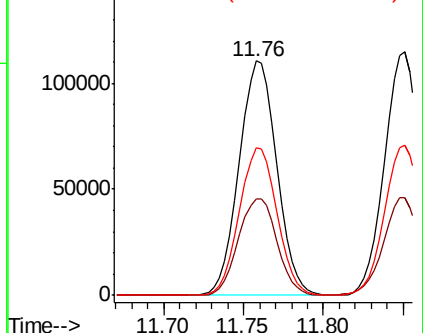
148 62.9 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.915 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

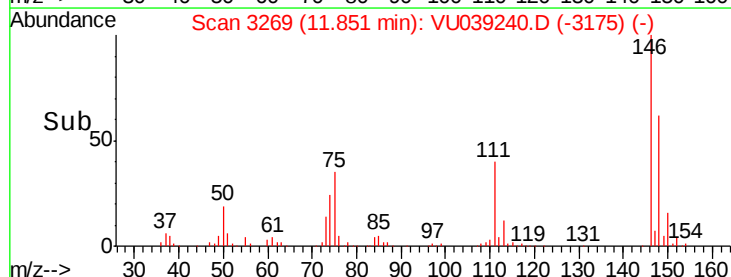
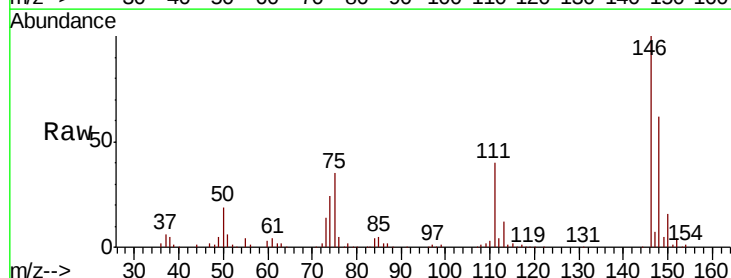
Tgt Ion:146 Resp: 181690

Ion Ratio Lower Upper

146 100

111 39.9 28.3 52.5

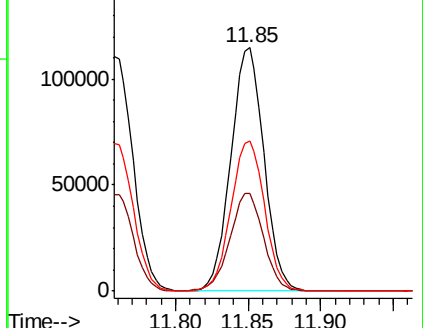
148 61.5 44.6 82.8

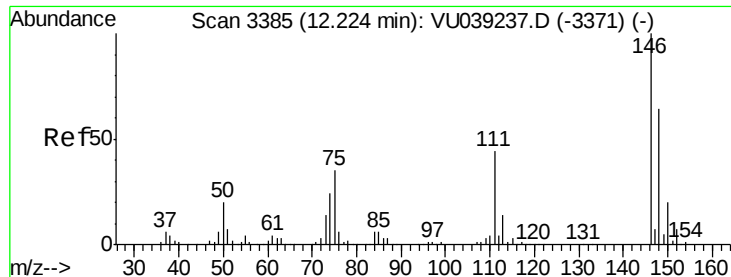


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.920 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampled :

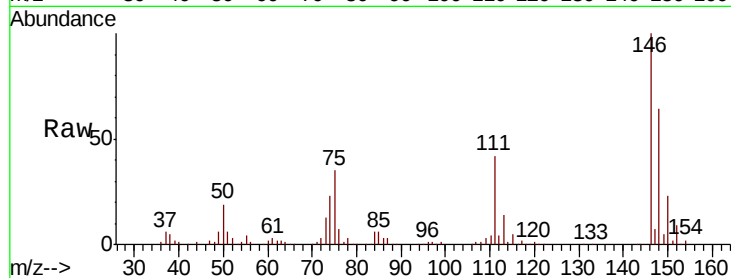
Tot Ion:146 Resp: 172116

Ion Ratio Lower Upper

146 100

111 41.7 35.1 52.7

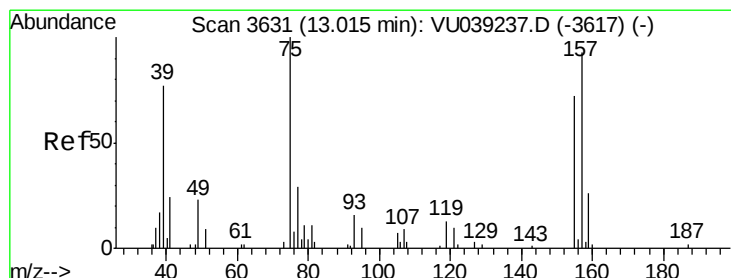
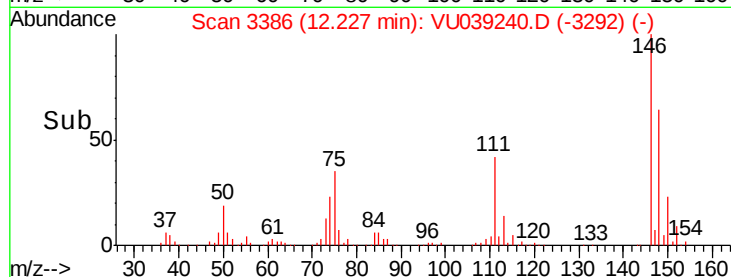
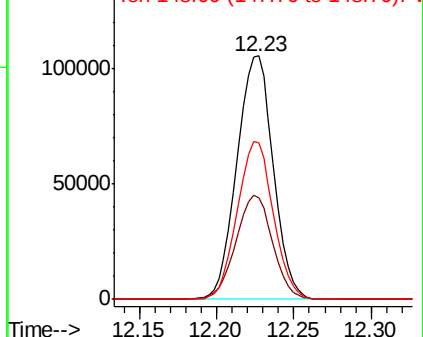
148 64.4 51.4 77.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.169 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

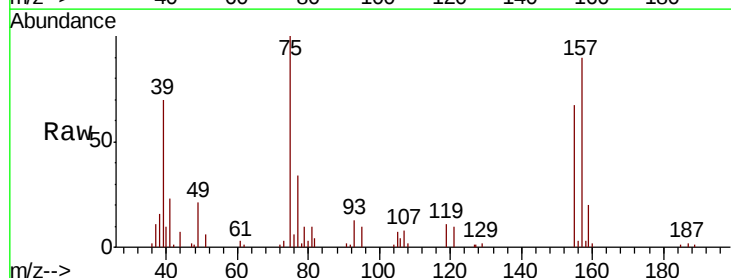
Tgt Ion: 75 Resp: 17087

Ion Ratio Lower Upper

75 100

155 67.4 57.9 86.9

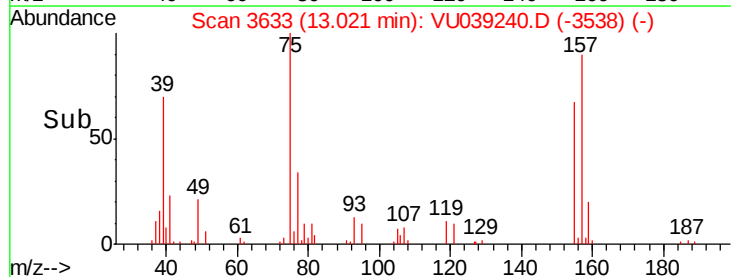
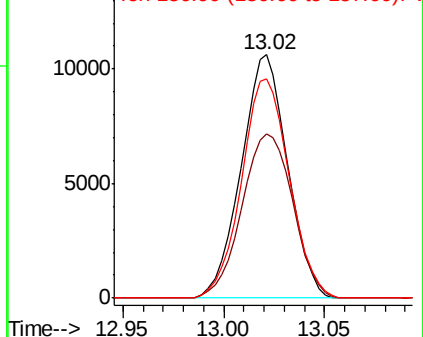
157 90.1 74.2 111.2

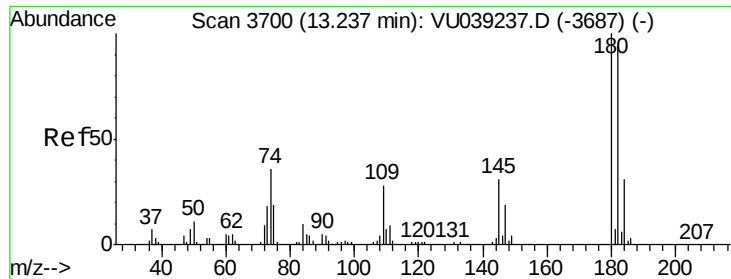


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

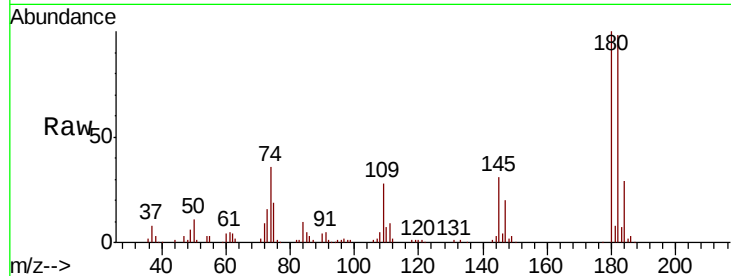




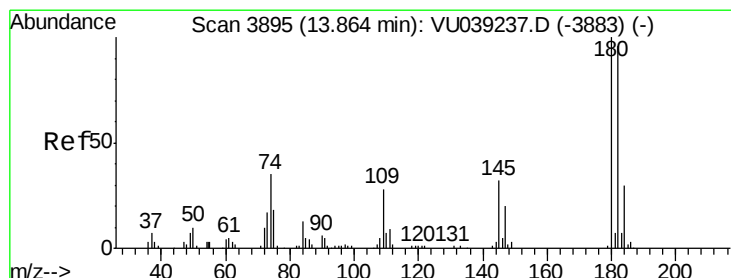
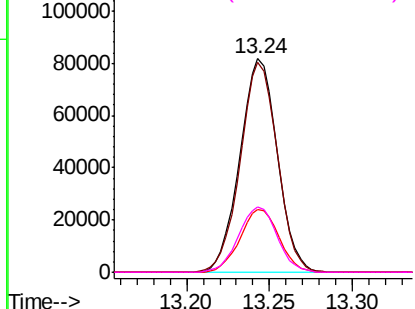
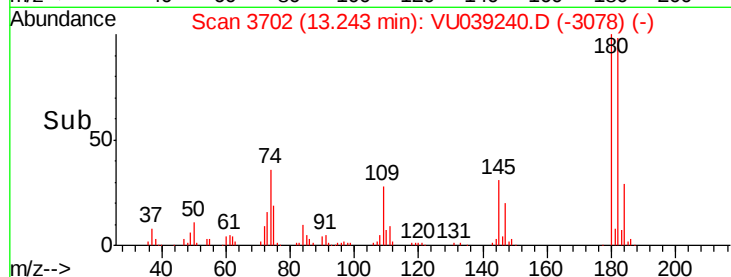
#67
 1,3,5-Trichlorobenzene
 Concen: 5.082 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	128562
Ion Ratio	Lower	Upper
180	100	
182	96.9	75.5 113.3
184	30.6	24.6 37.0
145	31.6	24.2 36.2

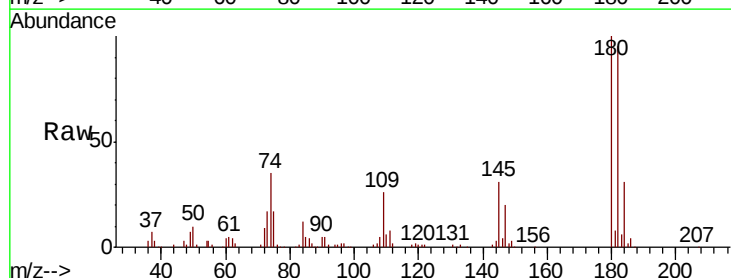


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

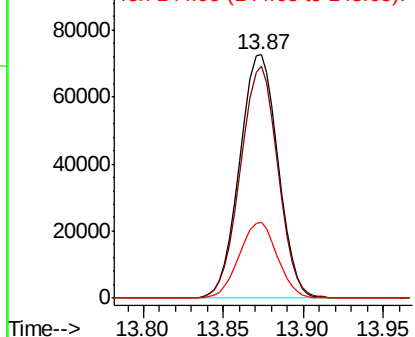
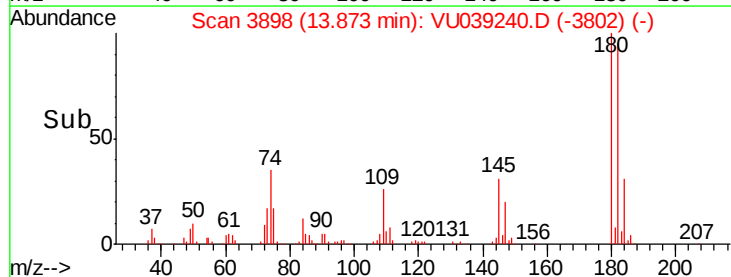


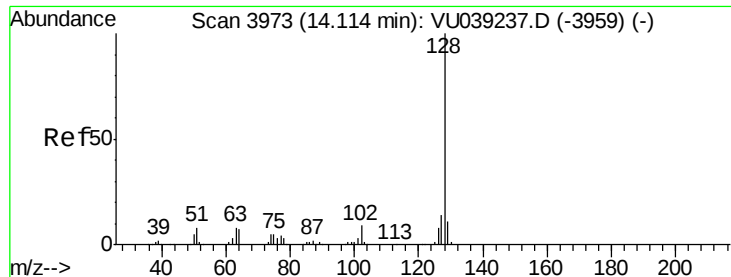
#68
 1,2,4-trichlorobenzene
 Concen: 5.344 ug/L
 RT: 13.87 min Scan# 3898
 Delta R.T. 0.01 min
 Lab File: VU039240.D
 Acq: 30 Jun 2020 16:20

Tgt Ion:180	Resp:	118523
Ion Ratio	Lower	Upper
180	100	
182	93.5	78.3 117.5
145	30.8	25.9 38.9



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





#69

Naphthalene

Concen: 5.181 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

Instrument :

MSVOA_U

ClientSampleId :

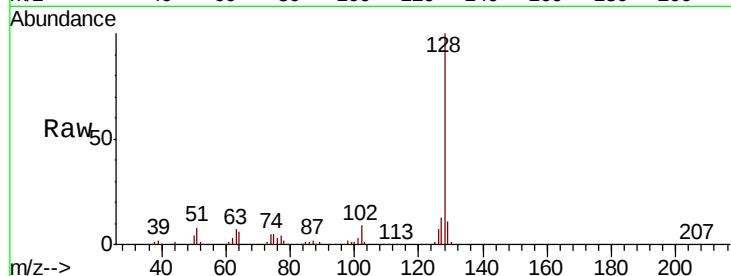
Tot Ion:128 Resp: 221764

Ion Ratio Lower Upper

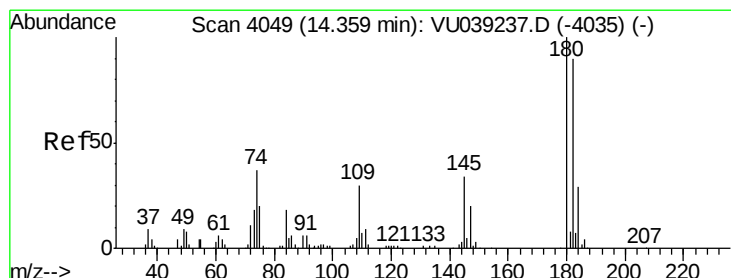
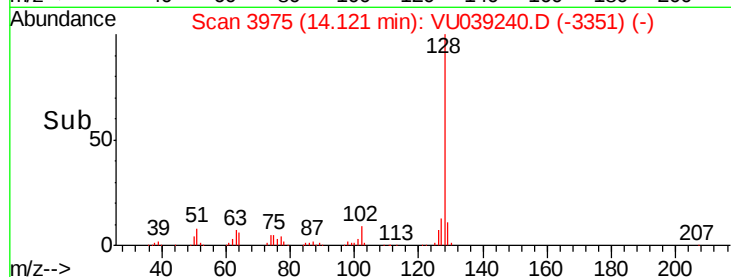
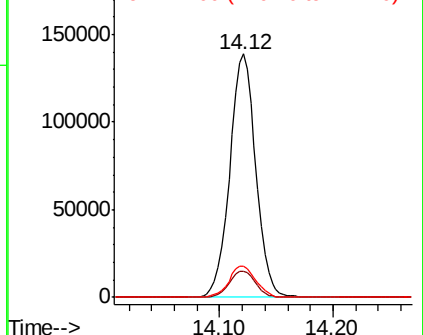
128 100

129 11.0 9.0 13.6

127 13.2 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.186 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. 0.01 min

Lab File: VU039240.D

Acq: 30 Jun 2020 16:20

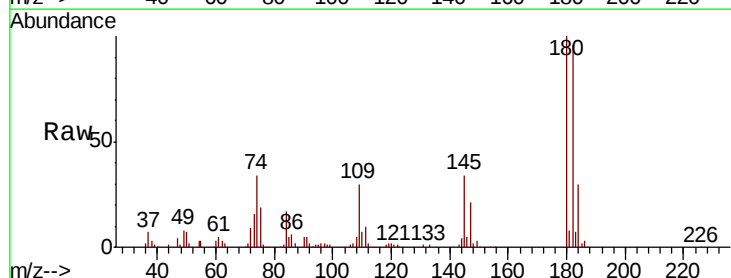
Tgt Ion:180 Resp: 110916

Ion Ratio Lower Upper

180 100

182 98.4 73.6 110.4

145 34.8 28.0 42.0



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

