

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032397.D
 Acq On : 03 Jun 2019 16:49
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Quant Time: Jun 04 08:53:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	104607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	100643	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48993	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46870	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.67	69	64581	6.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.80%
11) 1,1-Dichloroethene-d2	2.27	63	116256	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.20%
20) 2-Butanone-d5	4.19	46	121740	53.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.56%
24) Chloroform-d	4.64	84	74730	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.31	65	41760	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.33	84	142641	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.33	67	46186	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.56	98	132312	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.85	79	21411	4.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.00%
46) 2-Hexanone-d5	8.31	63	101243	52.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39013	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	47499	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	90184	5.086	ug/L 100
3) Chloromethane	1.32	50	93388	5.038	ug/L 100
5) Vinyl chloride	1.40	62	98996	5.082	ug/L 99
6) Bromomethane	1.62	94	93417	6.464	ug/L 100
8) Chloroethane	1.69	64	89714	5.262	ug/L 99
9) Trichlorofluoromethane	1.88	101	138203	4.773	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	77917	5.054	ug/L 100
12) 1,1-Dichloroethene	2.28	96	75191	5.228	ug/L 100
13) Acetone	2.33	43	192625	50.463	ug/L 98
14) Carbon disulfide	2.47	76	244328	5.098	ug/L 100
15) Methyl Acetate	2.62	43	47137	5.152	ug/L 100
16) Methylene chloride	2.69	84	83055	4.967	ug/L 99
17) Methyl tert-butyl Ether	3.00	73	237308	5.176	ug/L 100
18) trans-1,2-Dichloroethene	2.97	96	80691	5.099	ug/L 99
19) 1,1-Dichloroethane	3.43	63	138438	5.163	ug/L 99
21) 2-Butanone	4.27	43	263645	54.252	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	78521	5.088	ug/L 99

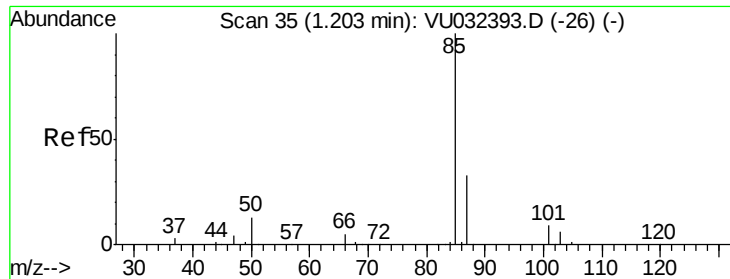
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060319\
 Data File : VU032397.D
 Acq On : 03 Jun 2019 16:49
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 Sample : VSTDCCC005
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 VSTD00518

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 04 08:50:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33105	5.281	ug/L	99
25) Chloroform	4.67	83	141759	5.166	ug/L	99
27) 1,2-Dichloroethane	5.40	62	98713	5.164	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	125379	5.122	ug/L	98
30) Cyclohexane	4.98	56	133056	5.004	ug/L	98
31) Carbon tetrachloride	5.13	117	111019	5.146	ug/L	99
33) Benzene	5.38	78	299970	5.104	ug/L	100
34) Trichloroethene	6.18	95	80561	5.054	ug/L	99
35) Methylcyclohexane	6.41	83	134267	5.050	ug/L	99
37) 1,2-Dichloropropane	6.43	63	83196	5.200	ug/L	99
38) Bromodichloromethane	6.75	83	108722	5.168	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	131263	5.192	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	632319	52.444	ug/L	100
42) Toluene	7.63	91	326881	5.161	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	107704	5.216	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	56001	5.084	ug/L	96
47) Tetrachloroethene	8.22	164	56742	5.092	ug/L	97
48) 2-Hexanone	8.36	43	460492	52.221	ug/L	99
49) Dibromochloromethane	8.47	129	71754	5.177	ug/L	99
50) 1,2-Dibromoethane	8.58	107	57039	5.088	ug/L	98
51) Chlorobenzene	9.11	112	200964	5.037	ug/L	99
52) Ethylbenzene	9.24	91	372756	5.128	ug/L	100
53) m,p-Xylene	9.37	106	135510	5.080	ug/L	98
54) o-Xylene	9.77	106	135317	5.129	ug/L	100
55) Styrene	9.79	104	231245	5.198	ug/L	98
56) Isopropylbenzene	10.16	105	356562	5.068	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	76871	5.118	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	54553	5.246	ug/L	99
61) Bromoform	9.95	173	41363	5.165	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	155722	5.134	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	156792	5.129	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	149039	5.140	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	14561	5.289	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	120378	5.134	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	106470	5.341	ug/L	98
69) Naphthalene	13.74	128	214612	5.477	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	99206	5.241	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.086 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

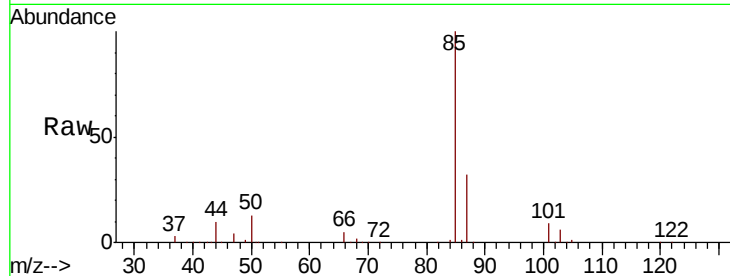
VSTD00518

Tgt Ion: 85 Resp: 90184

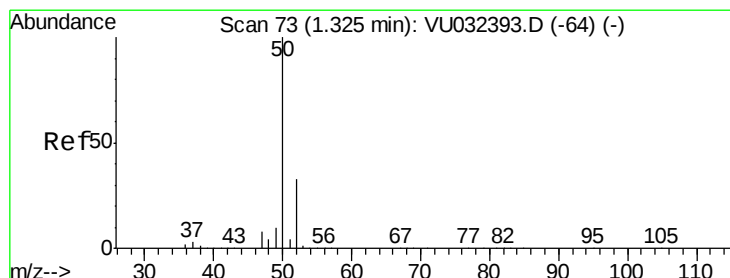
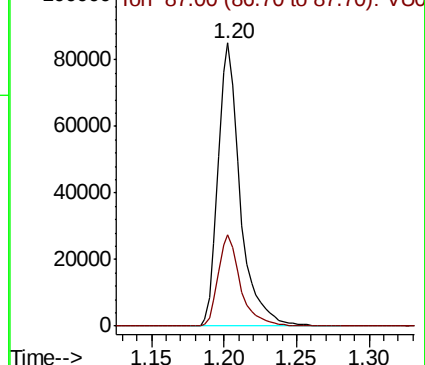
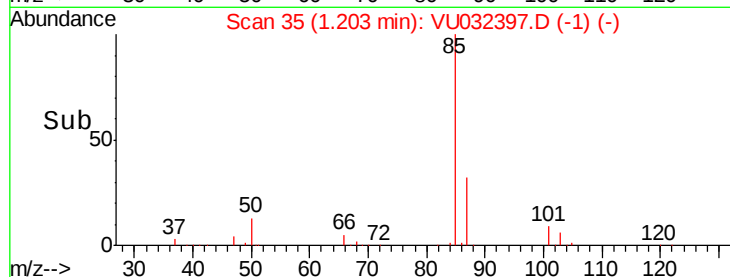
Ion Ratio Lower Upper

85 100

87 32.2 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032397.D (-1) (-)



#3

Chloromethane

Concen: 5.038 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032397.D

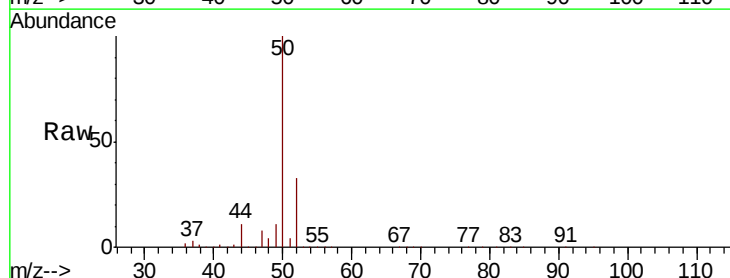
Acq: 03 Jun 2019 16:49

Tgt Ion: 50 Resp: 93388

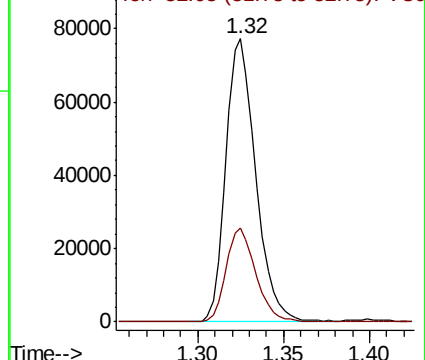
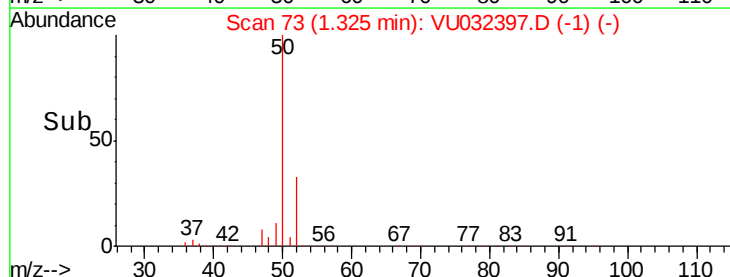
Ion Ratio Lower Upper

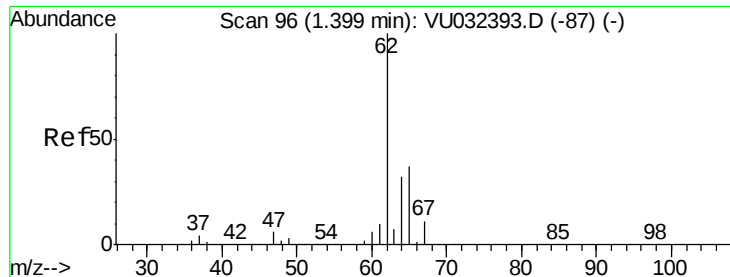
50 100

52 33.1 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU032397.D (-1) (-)





#5

Vinyl chloride

Concen: 5.082 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

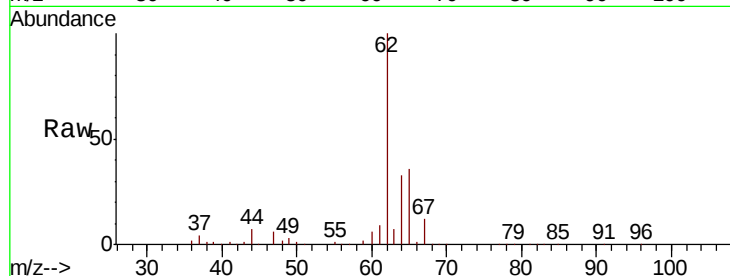
VSTD00518

Tgt Ion: 62 Resp: 98996

Ion Ratio Lower Upper

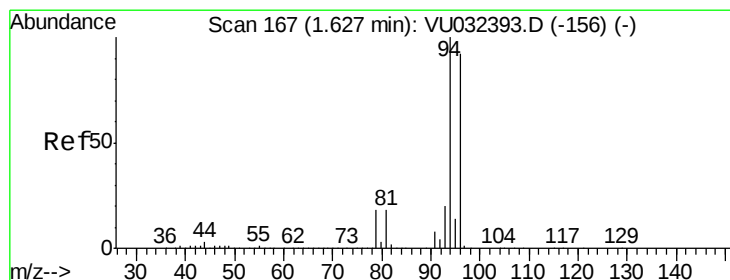
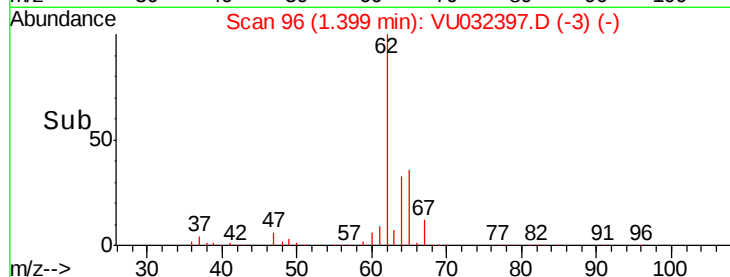
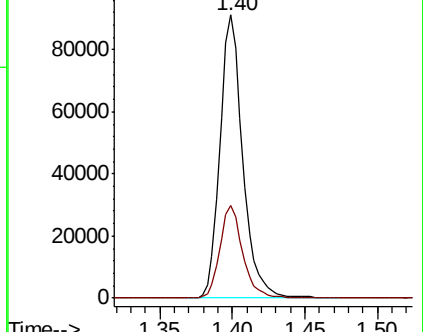
62 100

64 32.6 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU032397.D (-87) (-)

Ion 64.10 (63.80 to 64.80): VU032397.D (-87) (-)



#6

Bromomethane

Concen: 6.464 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU032397.D

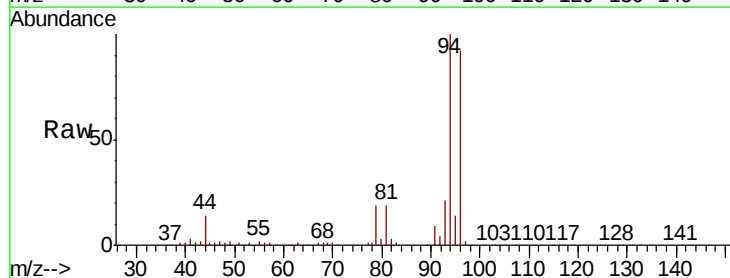
Acq: 03 Jun 2019 16:49

Tgt Ion: 94 Resp: 93417

Ion Ratio Lower Upper

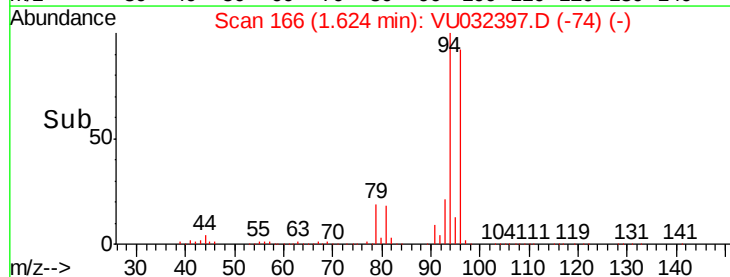
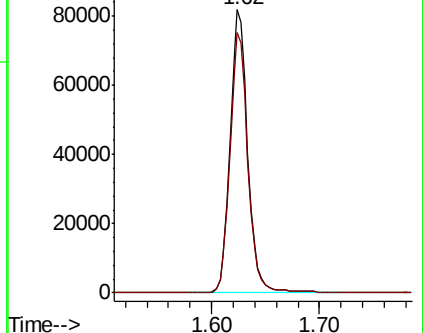
94 100

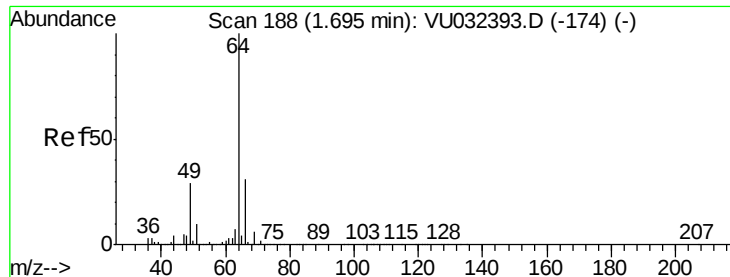
96 91.9 64.2 119.2



Abundance Ion 94.00 (93.70 to 94.70): VU032397.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032397.D (-156) (-)





#8

Chloroethane

Concen: 5.262 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

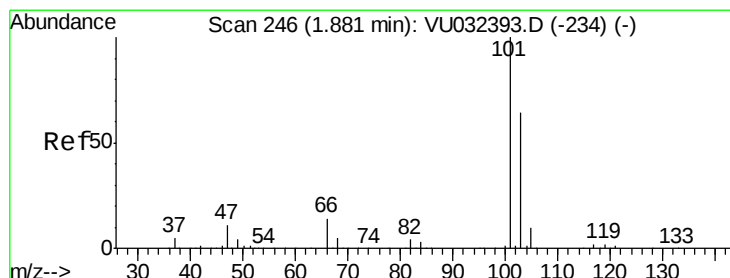
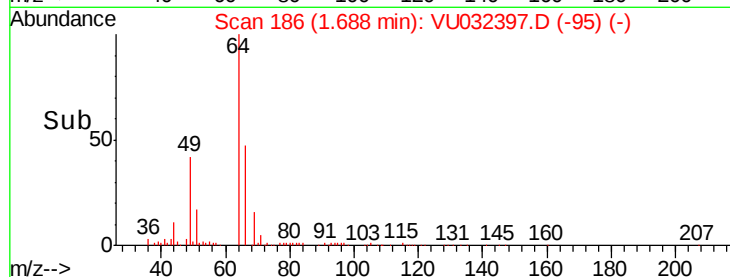
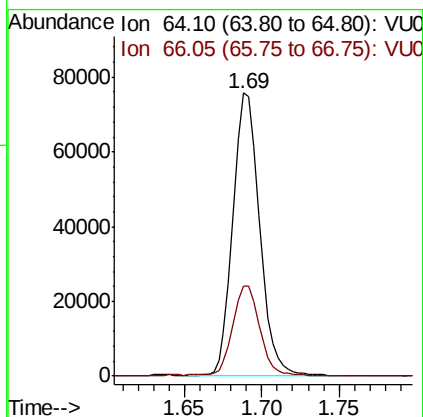
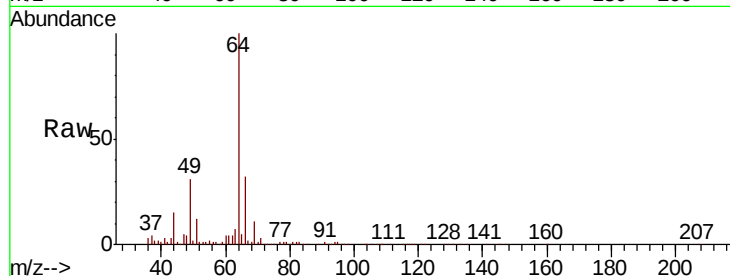
VSTD00518

Tgt Ion: 64 Resp: 89714

Ion Ratio Lower Upper

64 100

66 32.0 22.1 41.1



#9

Trichlorofluoromethane

Concen: 4.773 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032397.D

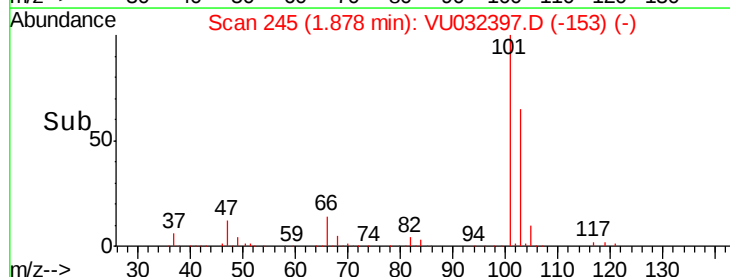
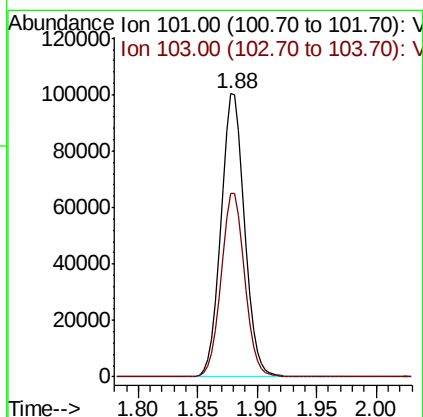
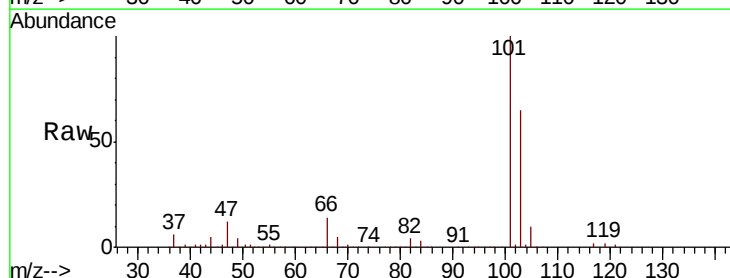
Acq: 03 Jun 2019 16:49

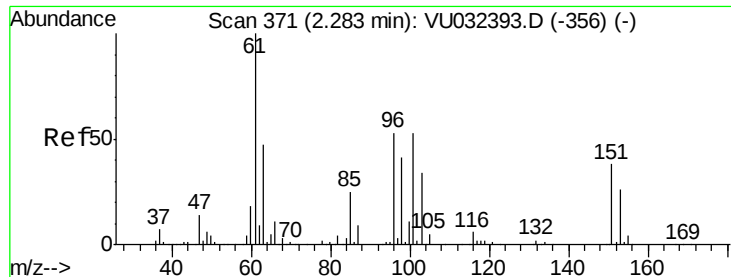
Tgt Ion: 101 Resp: 138203

Ion Ratio Lower Upper

101 100

103 64.8 51.3 76.9





#10

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

Concen: 5.054 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

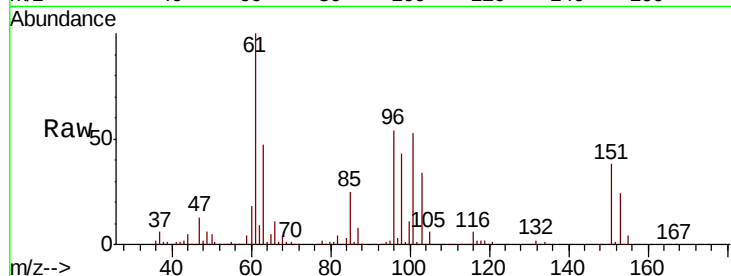
Tgt Ion: 101 Resp: 77917

Ion Ratio Lower Upper

101 100

85 47.7 38.0 57.0

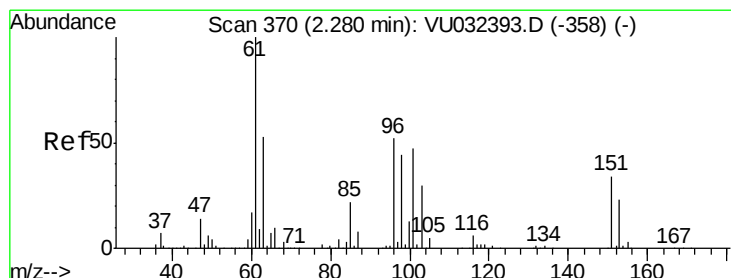
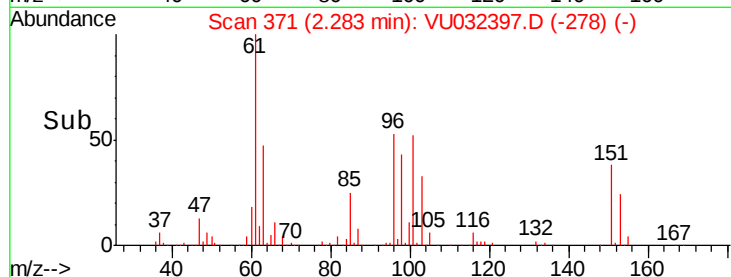
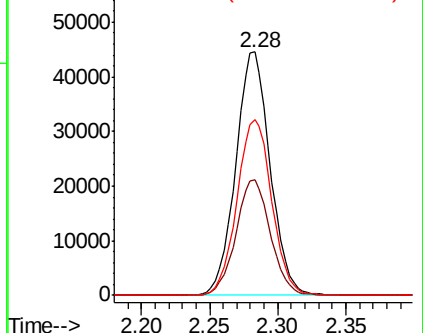
151 73.1 58.1 87.1



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: 5.228 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

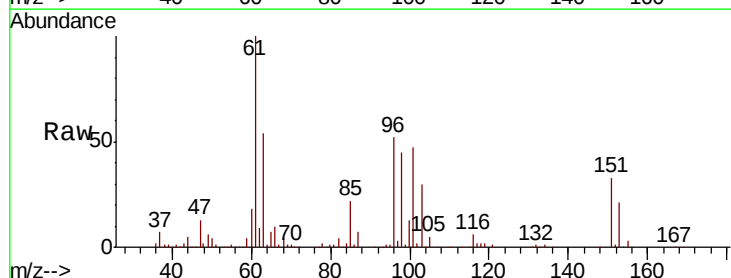
Tgt Ion: 96 Resp: 75191

Ion Ratio Lower Upper

96 100

61 191.0 133.6 248.0

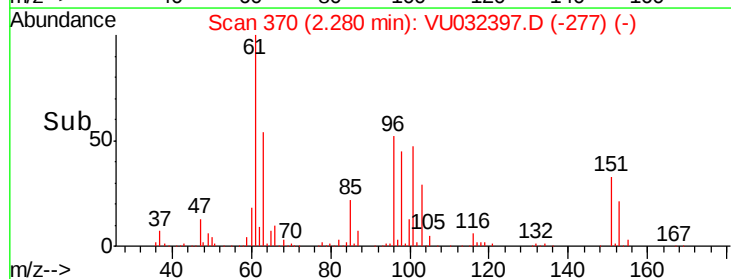
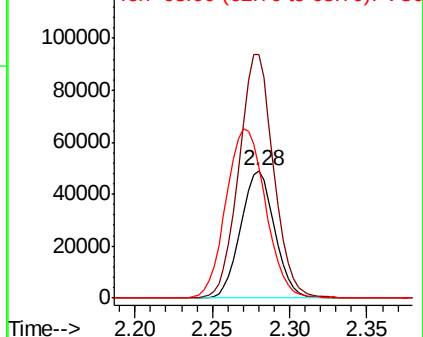
63 102.9 72.4 134.4

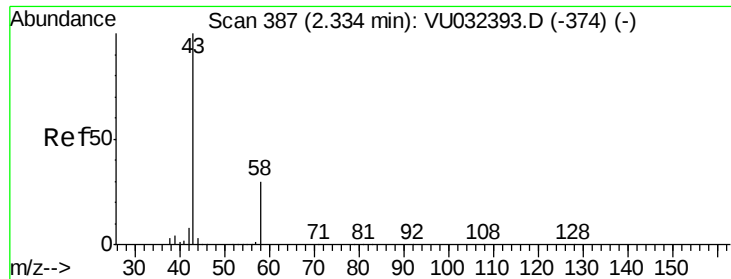


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.463 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

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ClientSampleId :

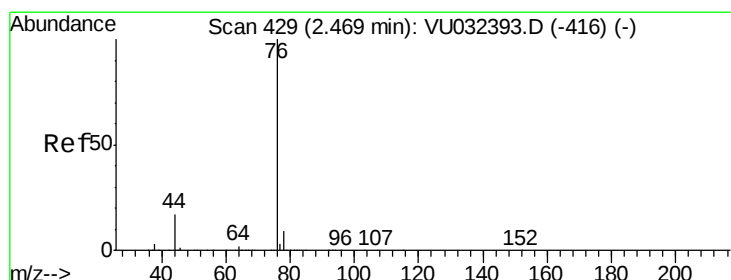
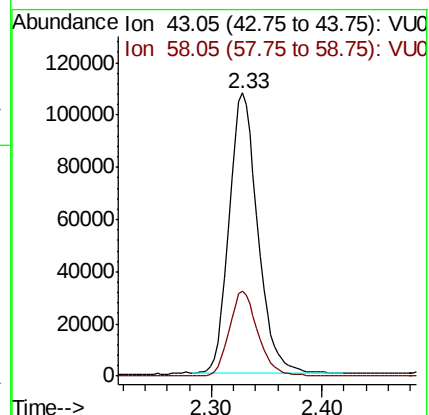
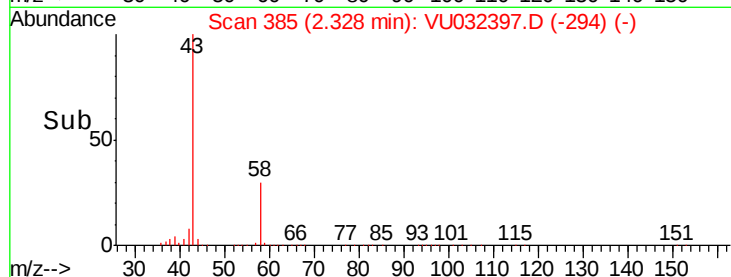
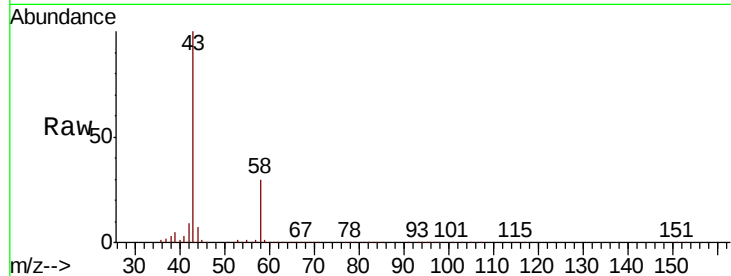
VSTD00518

Tgt Ion: 43 Resp: 192625

Ion Ratio Lower Upper

43 100

58 30.0 0.0 62.2



#14

Carbon disulfide

Concen: 5.098 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032397.D

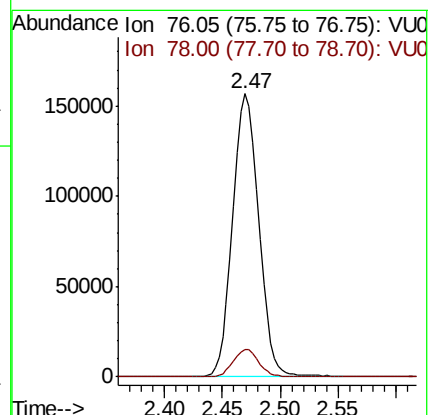
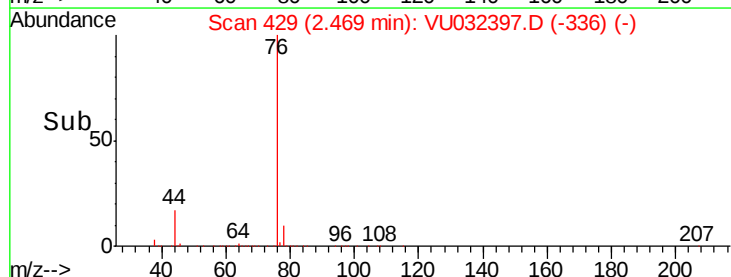
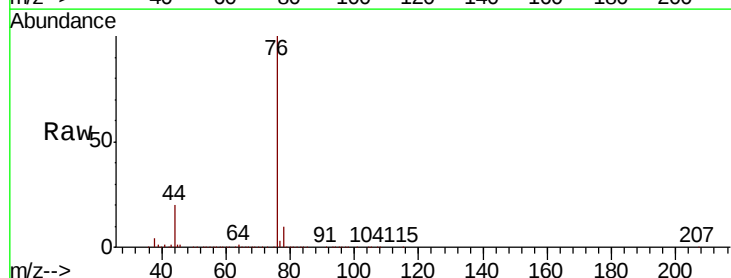
Acq: 03 Jun 2019 16:49

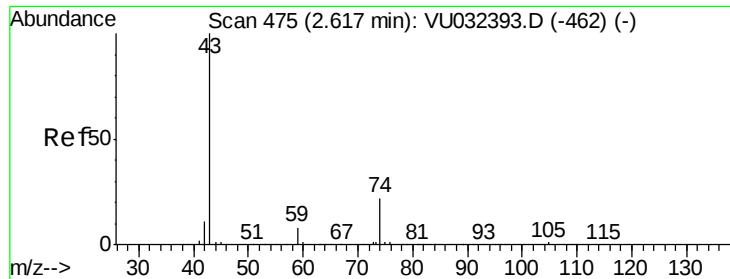
Tgt Ion: 76 Resp: 244328

Ion Ratio Lower Upper

76 100

78 9.7 7.6 11.4

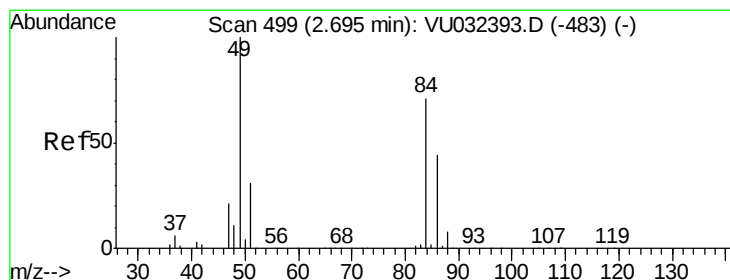
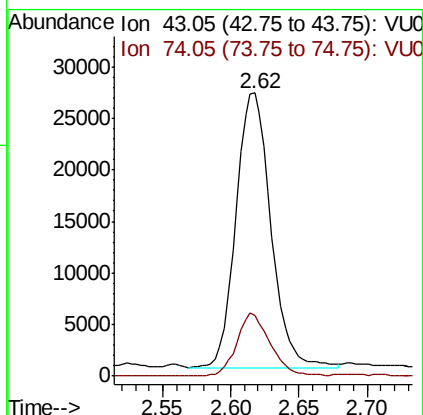
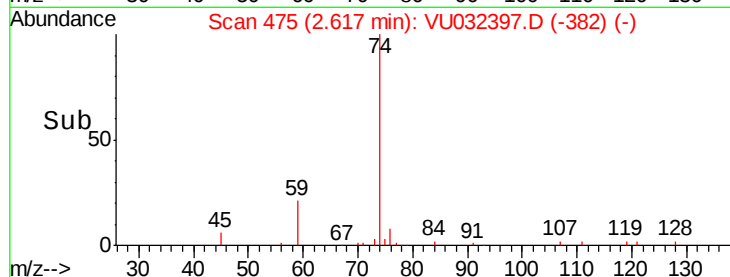
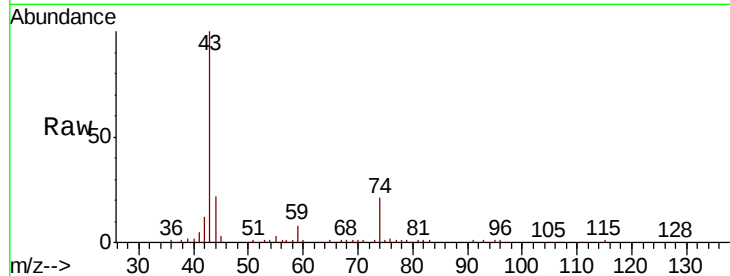




#15
Methyl Acetate
Concen: 5.152 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

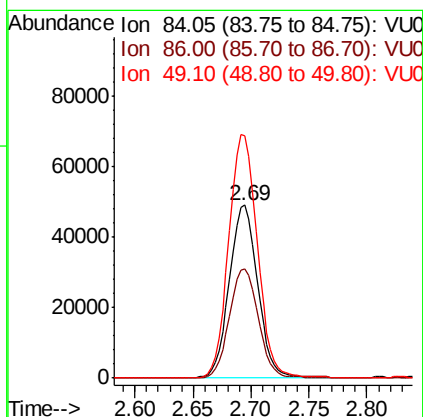
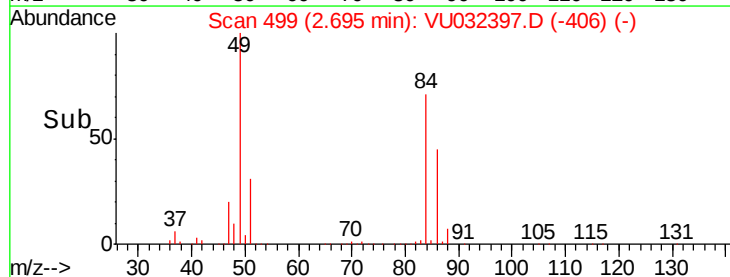
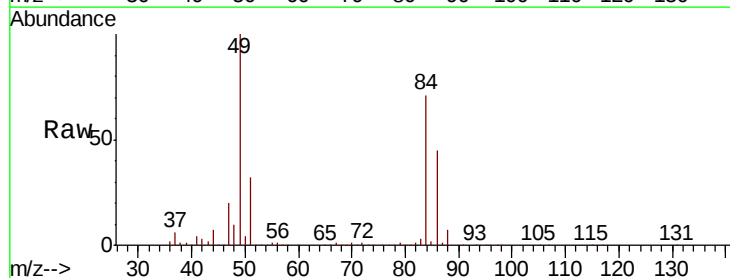
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

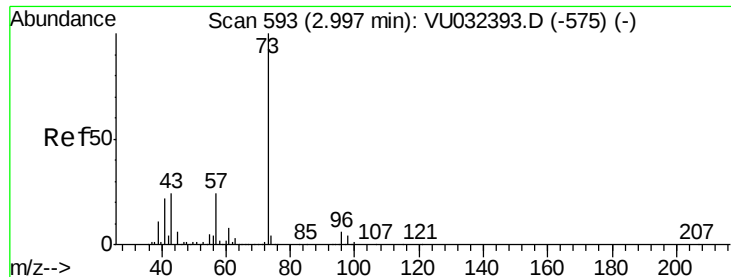
Tgt Ion: 43 Resp: 47137
Ion Ratio Lower Upper
43 100
74 22.0 17.7 26.5



#16
Methylene chloride
Concen: 4.967 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion: 84 Resp: 83055
Ion Ratio Lower Upper
84 100
86 63.0 43.8 81.4
49 140.3 98.8 183.6

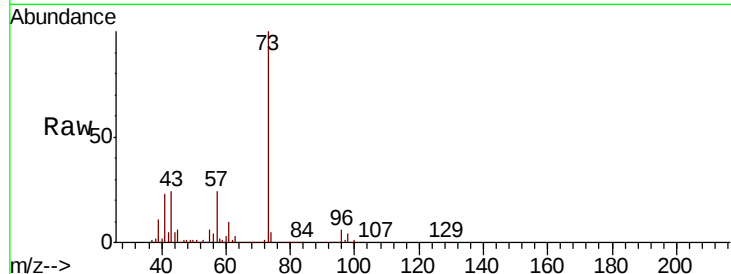




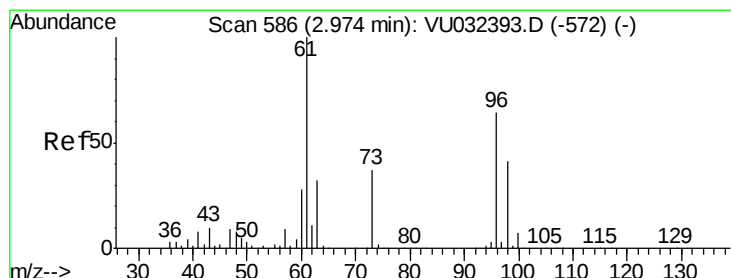
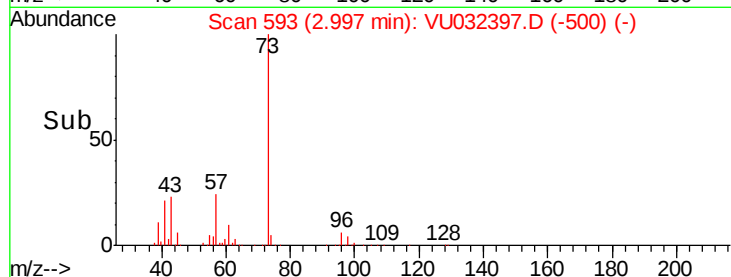
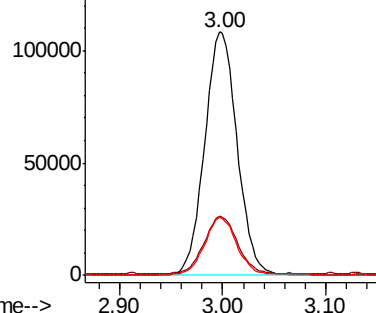
#17
Methyl tert-butyl Ether
Concen: 5.176 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.7	19.0	28.4
57	23.0	18.6	28.0

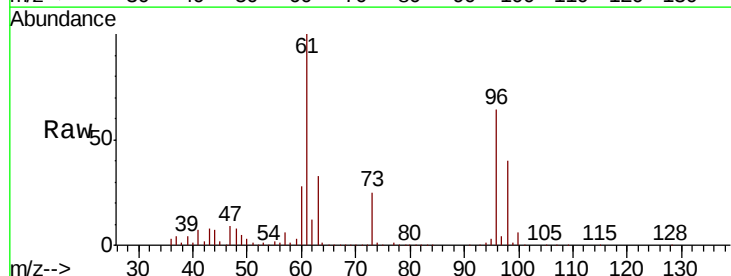


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

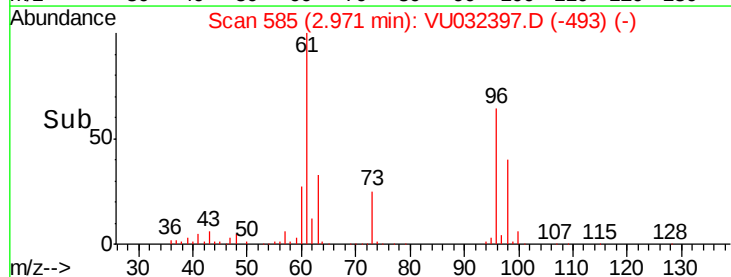
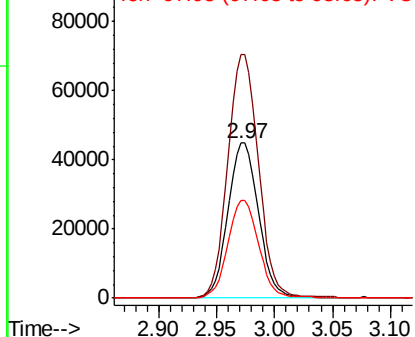


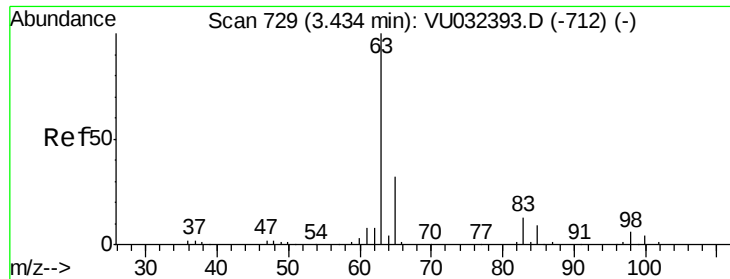
#18
trans-1,2-Dichloroethene
Concen: 5.099 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.9	109.1	202.7
98	63.3	44.6	82.8



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

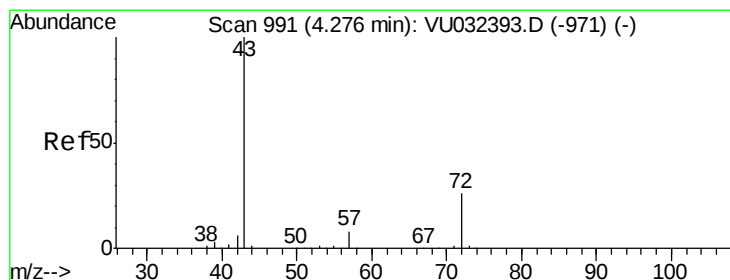
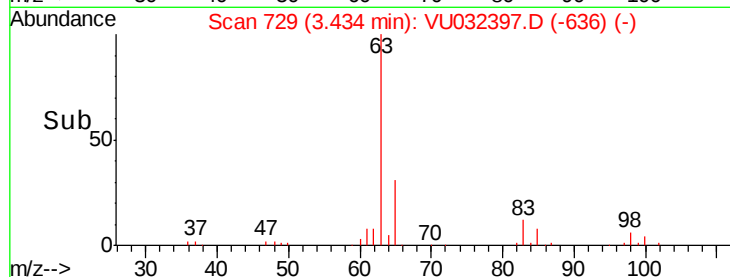
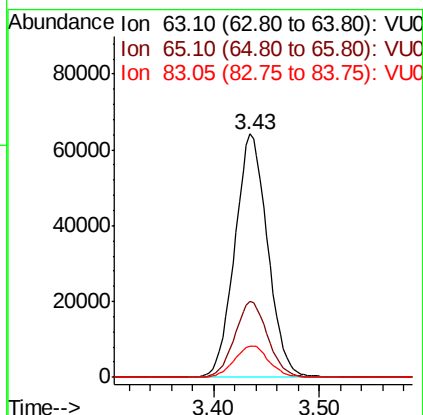
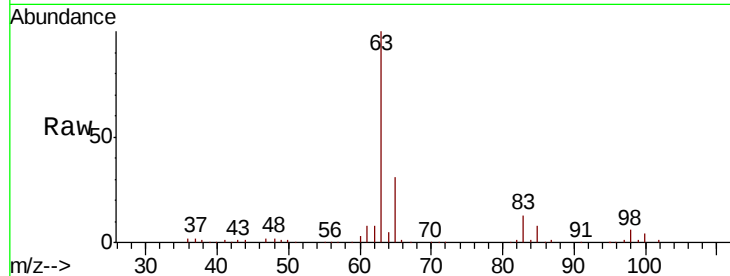




#19
 1,1-Dichloroethane
 Concen: 5.163 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

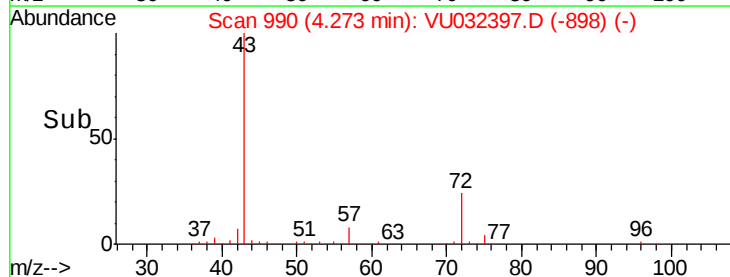
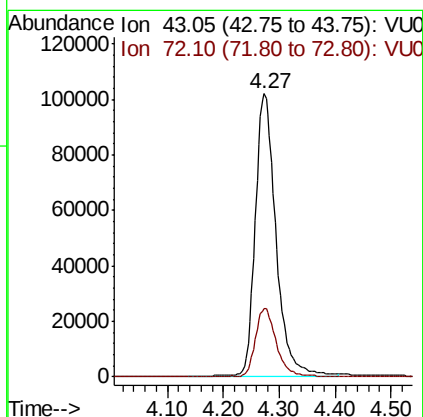
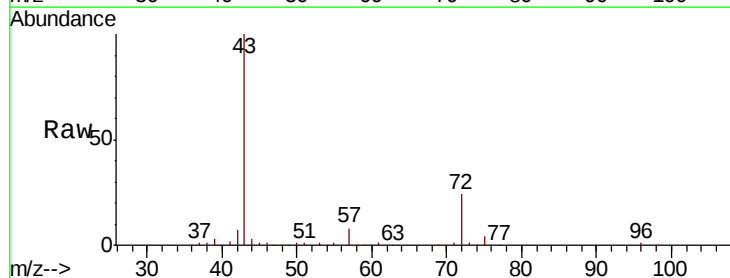
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

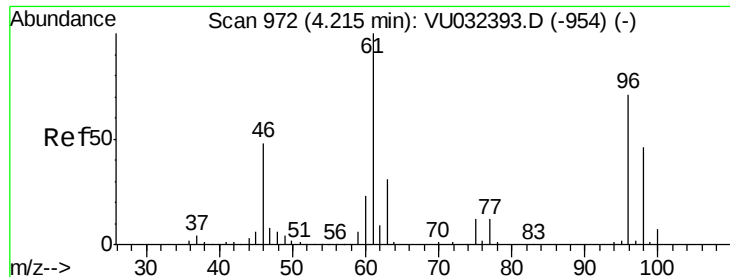
Tgt Ion: 63 Resp: 138438
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.5 41.7
 83 12.8 9.0 16.8



#21
 2-Butanone
 Concen: 54.252 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

Tgt Ion: 43 Resp: 263645
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.4 37.2



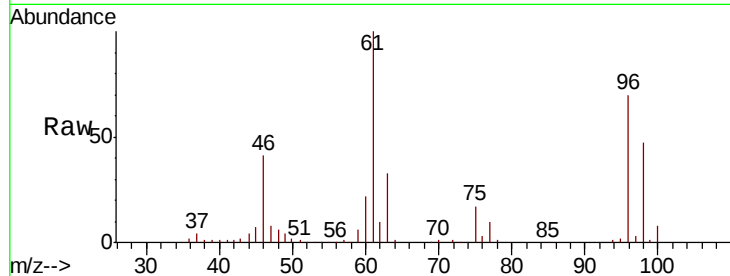


#22

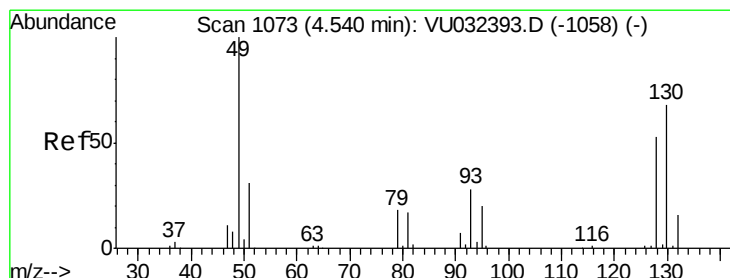
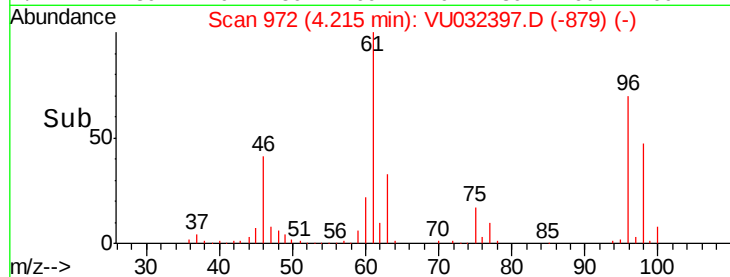
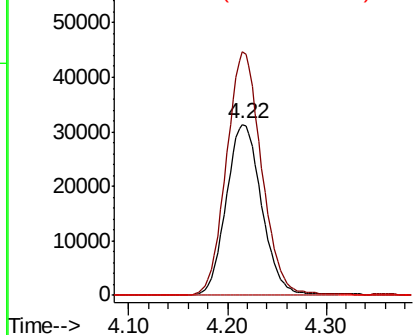
cis-1,2-Dichloroethene
Concen: 5.088 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion: 96 Resp: 78521
Ion Ratio Lower Upper
96 100
61 142.4 99.0 183.8
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

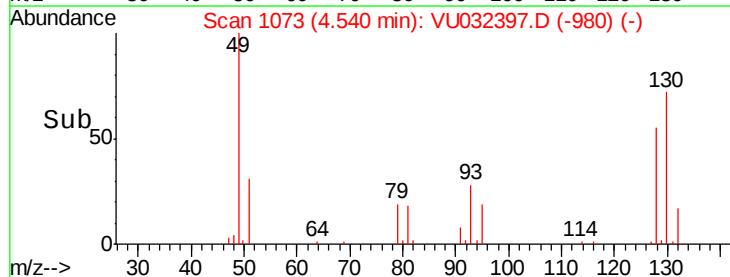
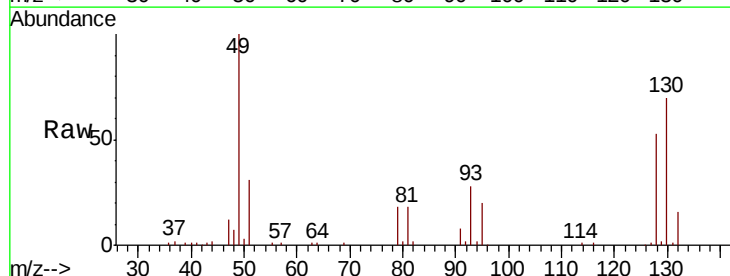
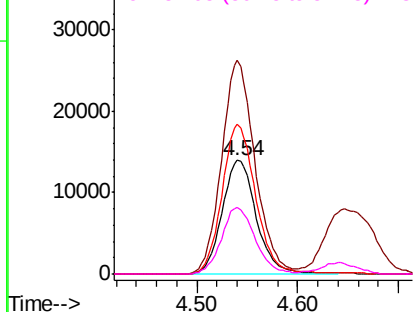


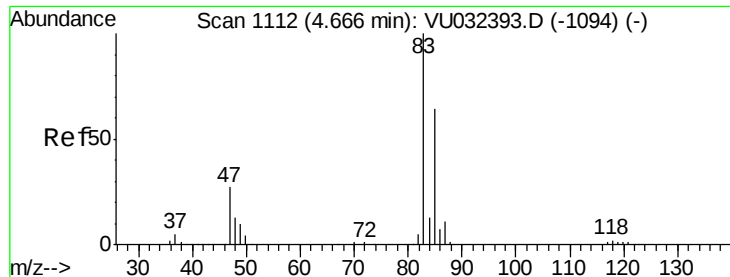
#23

Bromochloromethane
Concen: 5.281 ug/L
RT: 4.54 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion: 128 Resp: 33105
Ion Ratio Lower Upper
128 100
49 187.7 131.5 244.3
130 131.5 89.7 166.7
51 58.1 46.5 69.7

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

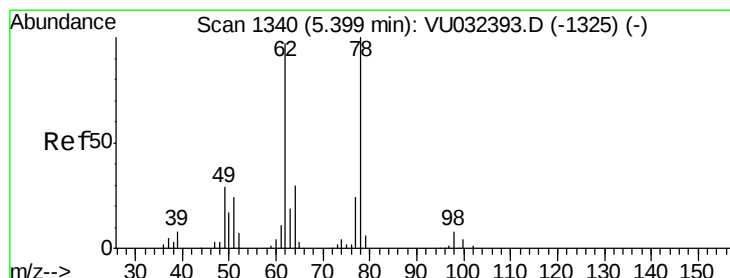
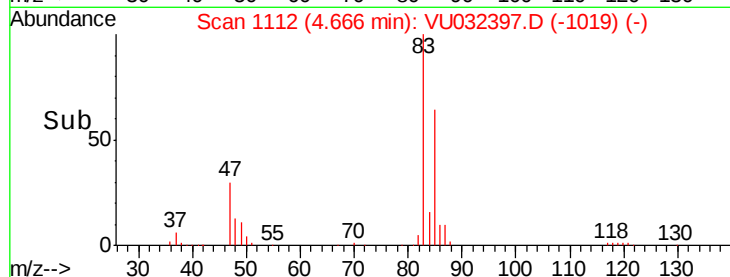
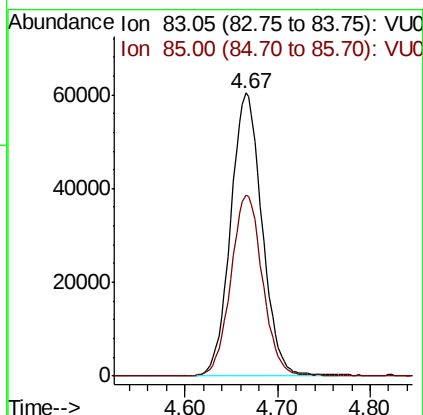
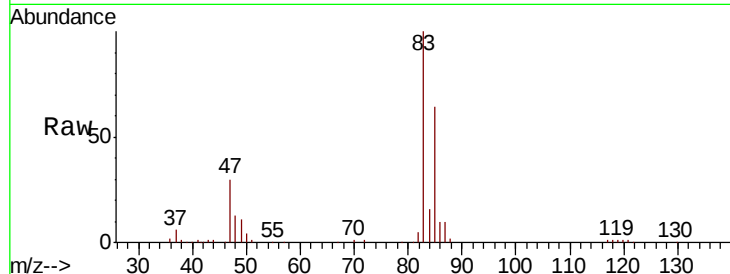




#25
Chloroform
Concen: 5.166 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

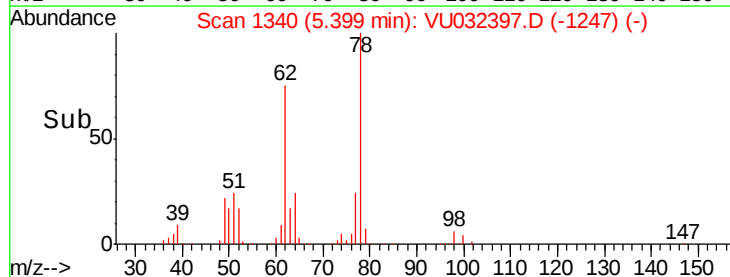
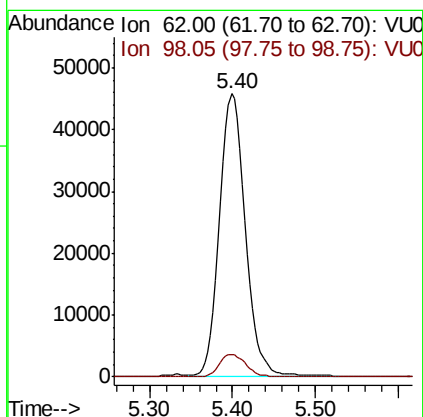
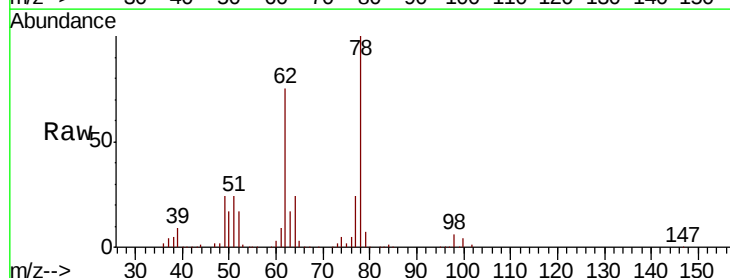
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

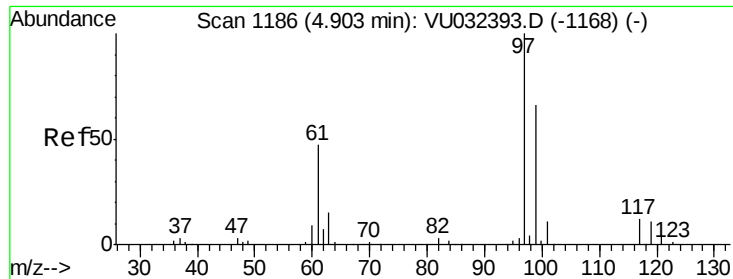
Tgt Ion: 83 Resp: 141759
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.164 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion: 62 Resp: 98713
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.4

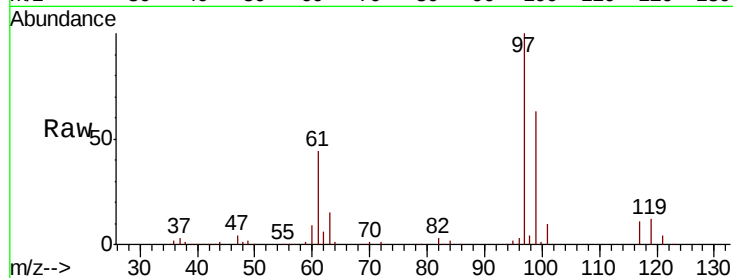




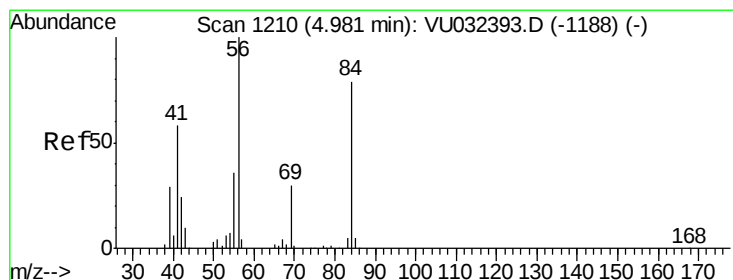
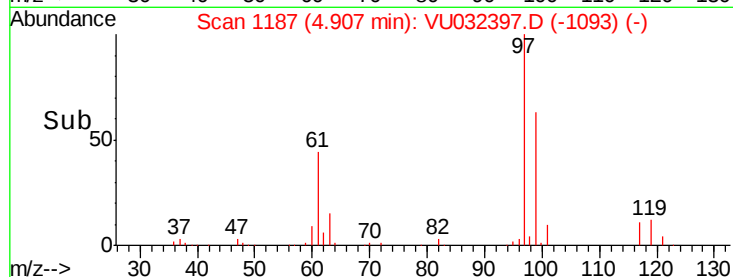
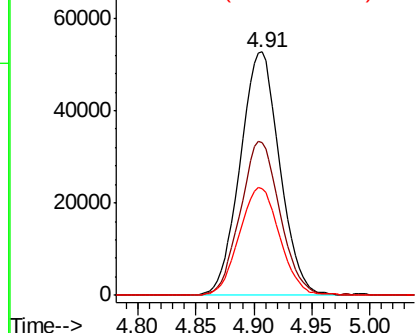
#29
1,1,1-Trichloroethane
Concen: 5.122 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion: 97 Resp: 125379
Ion Ratio Lower Upper
97 100
99 63.3 51.6 77.4
61 45.5 37.7 56.5

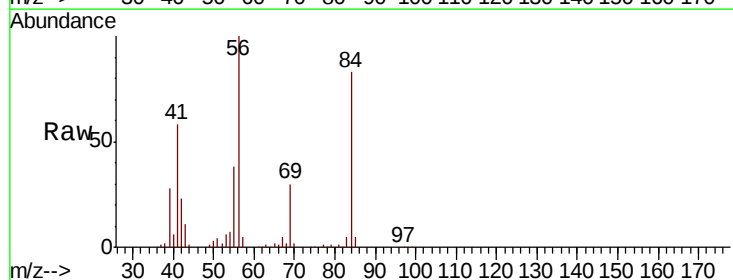


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

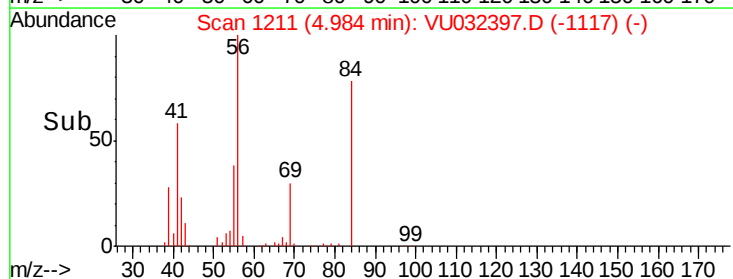
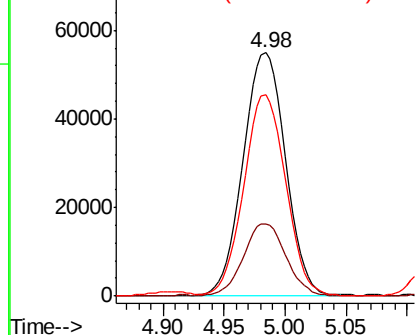


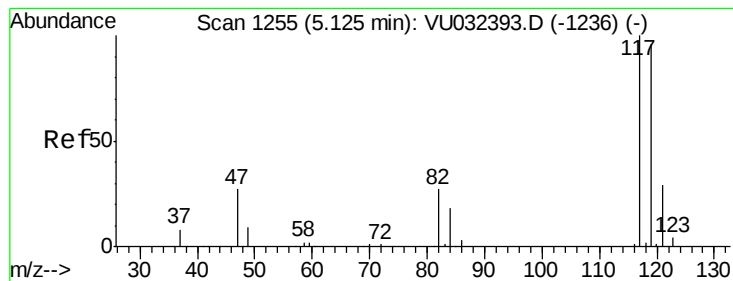
#30
Cyclohexane
Concen: 5.004 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion: 56 Resp: 133056
Ion Ratio Lower Upper
56 100
69 29.2 24.2 36.4
84 81.8 64.3 96.5



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: 5.146 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

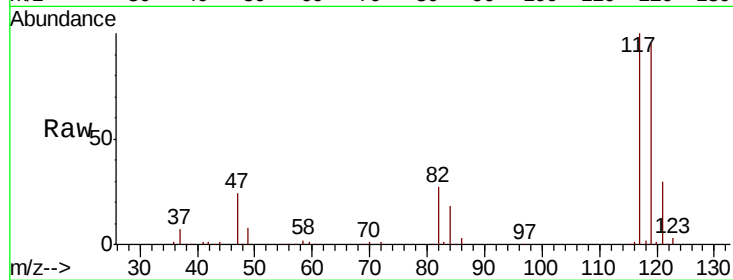
VSTD00518

Tgt Ion:117 Resp: 111019

Ion Ratio Lower Upper

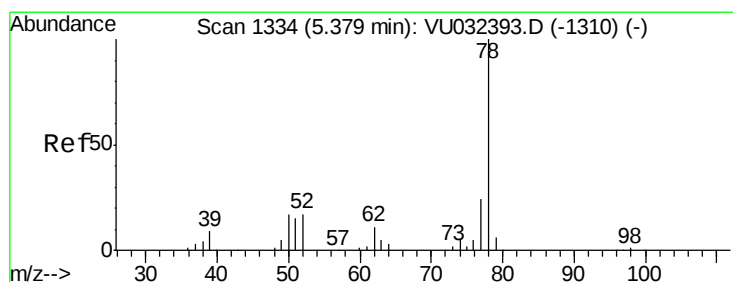
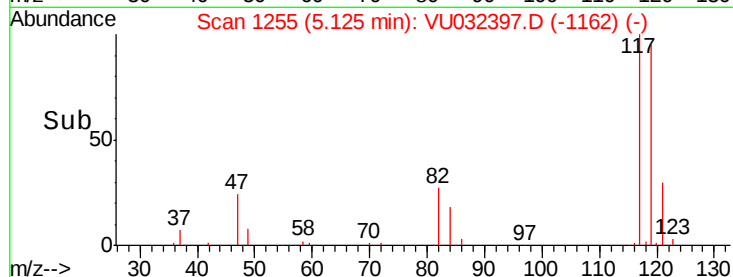
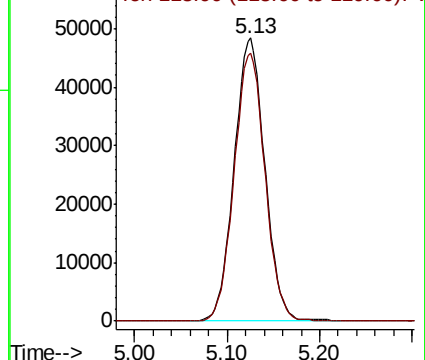
117 100

119 95.4 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.104 ug/L

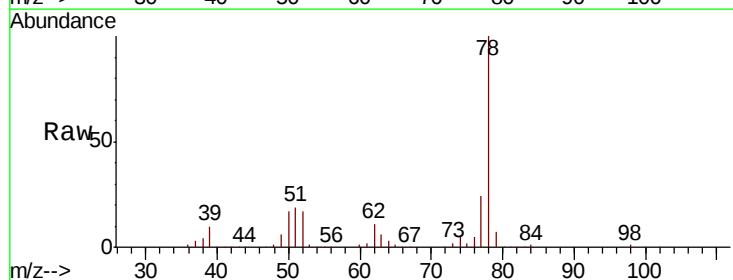
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

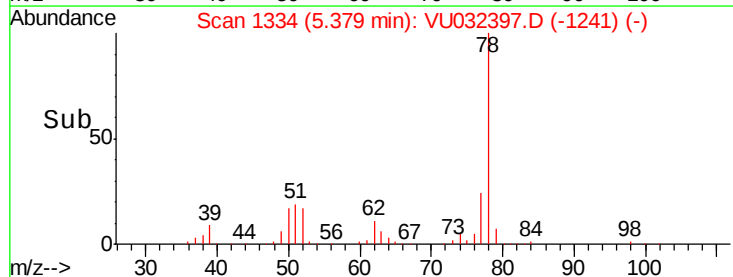
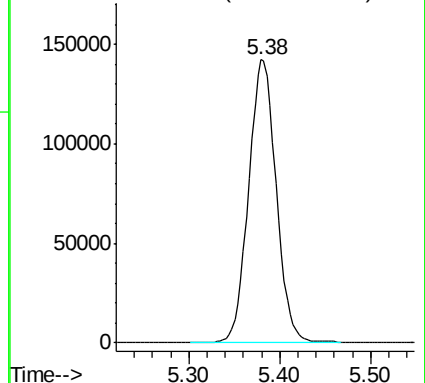
Lab File: VU032397.D

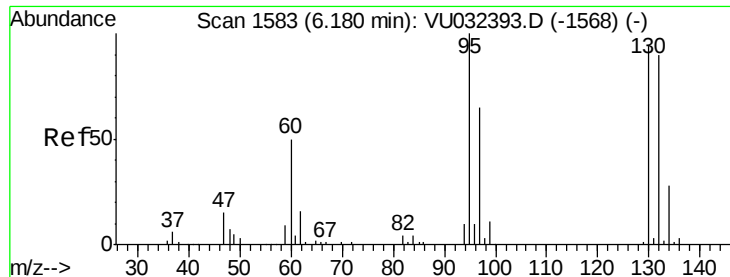
Acq: 03 Jun 2019 16:49

Tgt Ion: 78 Resp: 299970



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 95 Resp: 80561

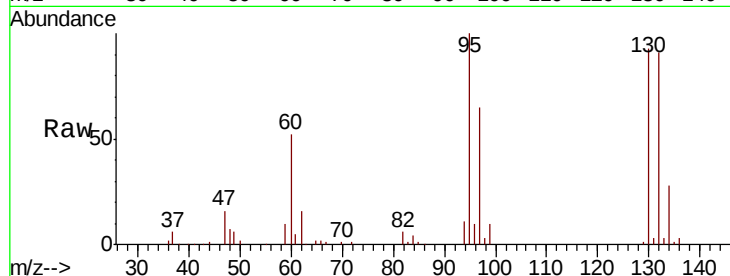
Ion Ratio Lower Upper

95 100

97 64.8 45.8 85.0

132 91.4 63.1 117.1

130 92.6 66.0 122.6

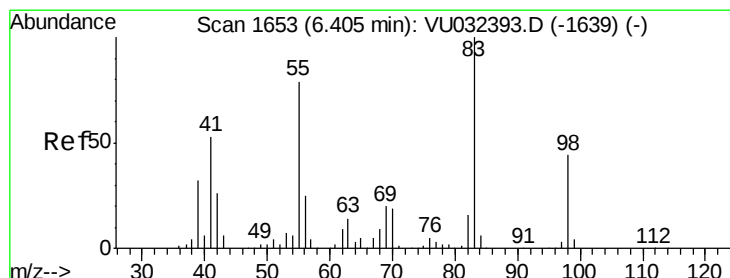
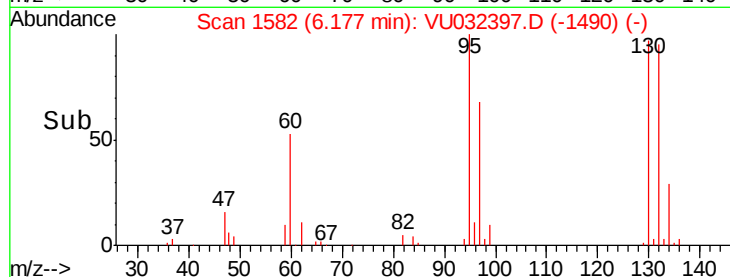
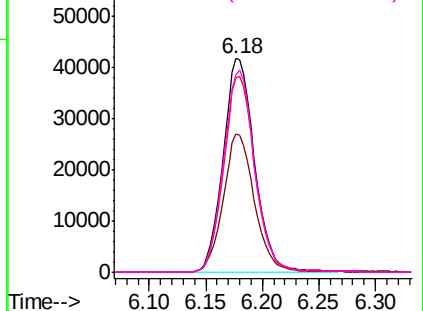


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.050 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

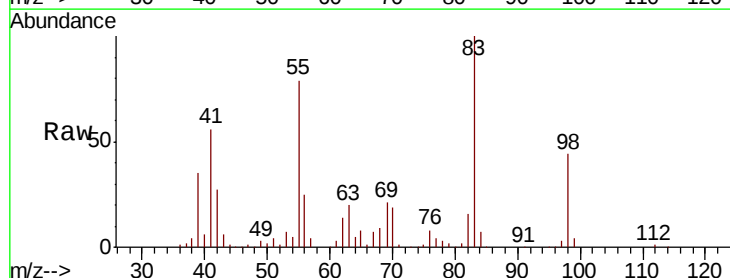
Tgt Ion: 83 Resp: 134267

Ion Ratio Lower Upper

83 100

55 81.6 64.7 97.1

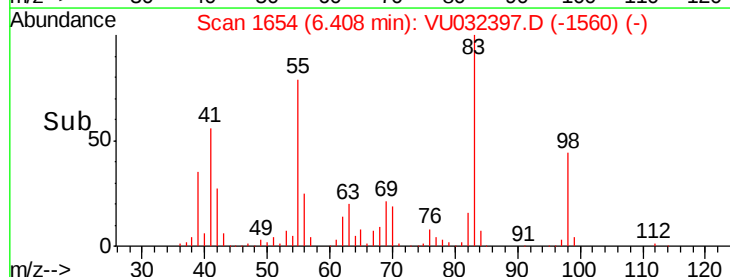
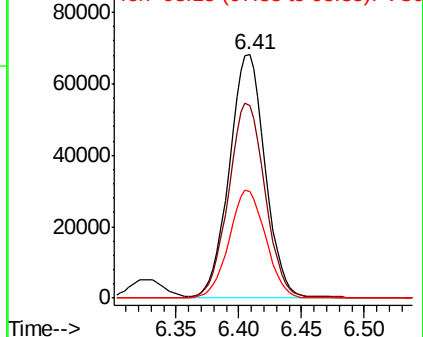
98 45.4 35.9 53.9

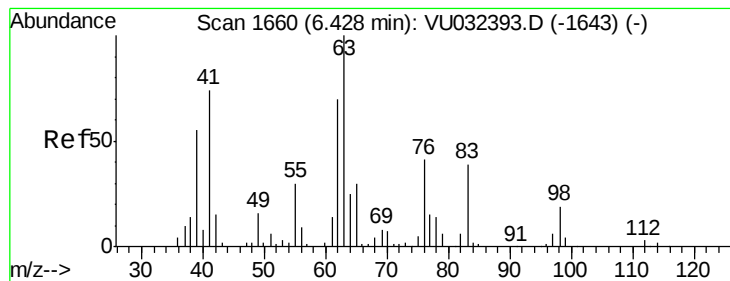


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.200 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

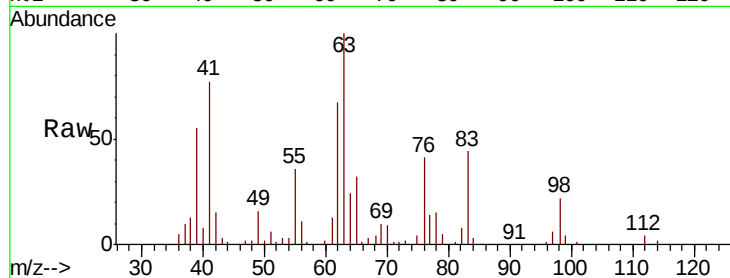
VSTD00518

Tgt Ion: 63 Resp: 83196

Ion Ratio Lower Upper

63 100

112 3.5 2.6 4.0

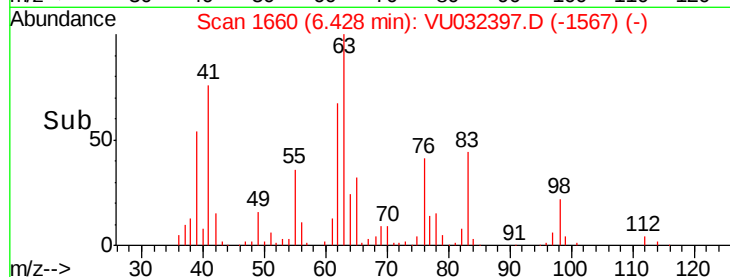


Abundance Ion 63.10 (62.80 to 63.80): VU032397.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU032397.D (-1567) (-)

6.43

Time-->

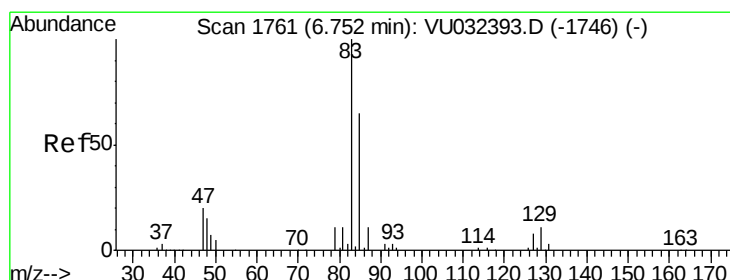


Abundance Ion 63.10 (62.80 to 63.80): VU032397.D (-1567) (-)

Ion 112.10 (111.80 to 112.80): VU032397.D (-1567) (-)

6.43

Time-->



#38

Bromodichloromethane

Concen: 5.168 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

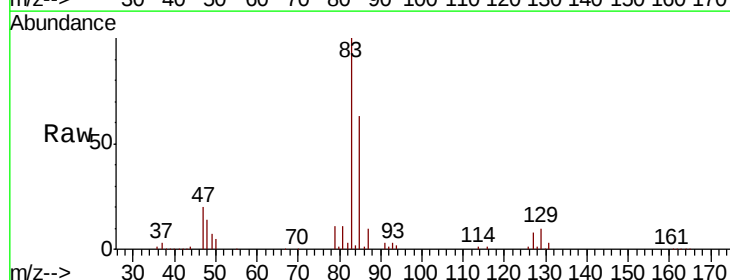
Tgt Ion: 83 Resp: 108722

Ion Ratio Lower Upper

83 100

85 62.7 45.4 84.4

127 8.1 6.5 9.7



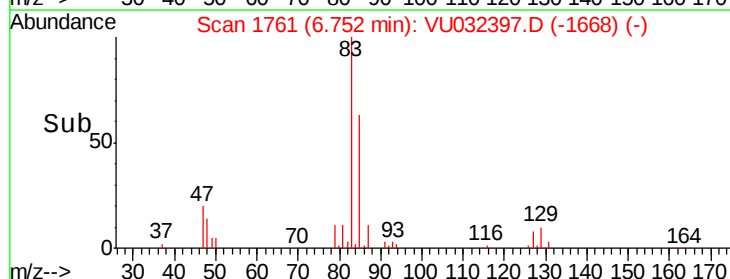
Abundance Ion 82.95 (82.65 to 83.65): VU032397.D (-1668) (-)

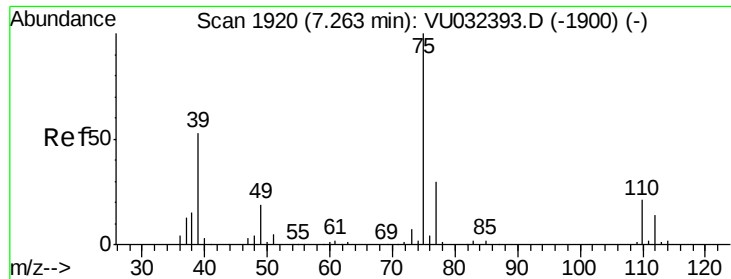
Ion 85.00 (84.70 to 85.70): VU032397.D (-1668) (-)

Ion 126.90 (126.60 to 127.60): VU032397.D (-1668) (-)

6.75

Time-->

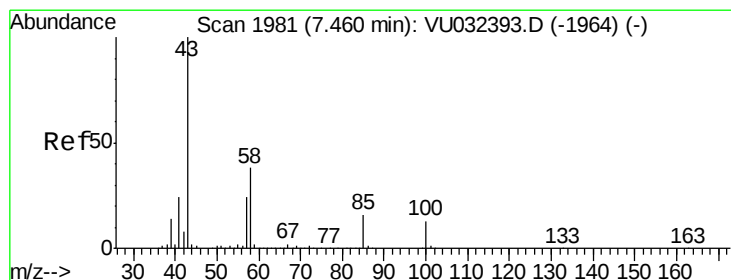
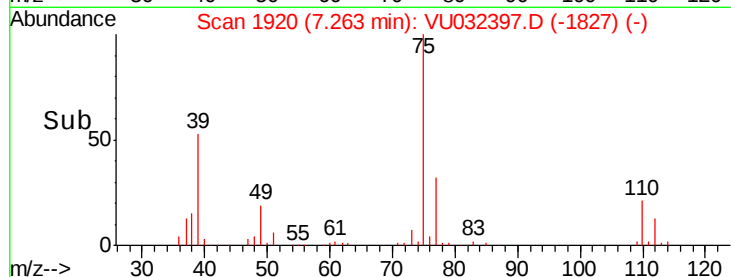
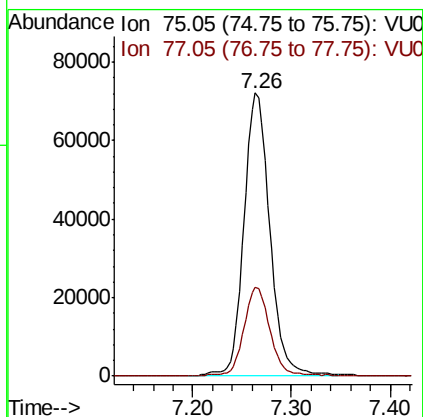
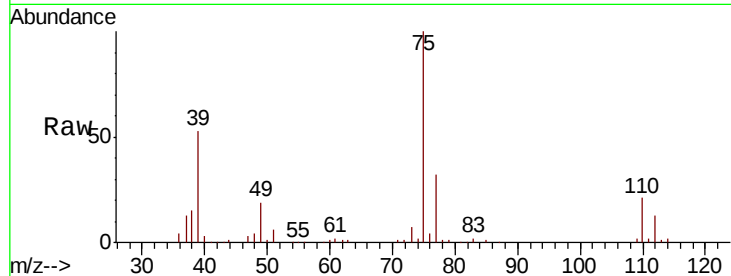




#39
 cis-1,3-Dichloropropene
 Concen: 5.192 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

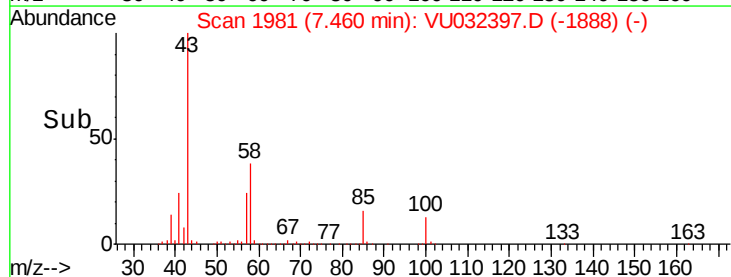
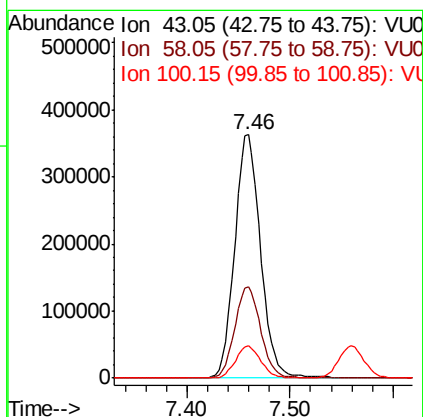
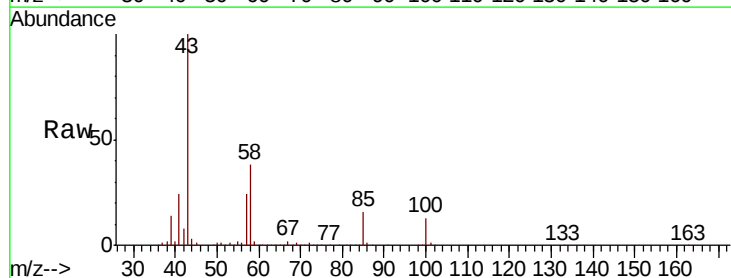
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

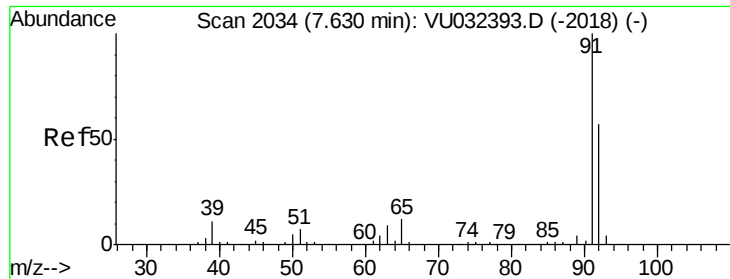
Tgt Ion: 75 Resp: 131263
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 52.444 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

Tgt Ion: 43 Resp: 632319
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5
 100 13.1 10.3 15.5





#42

Toluene

Concen: 5.161 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

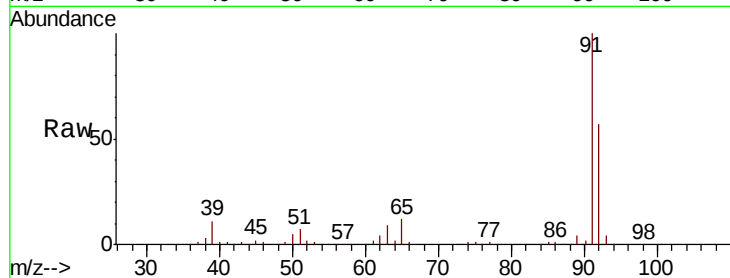
VSTD00518

Tgt Ion: 91 Resp: 326881

Ion Ratio Lower Upper

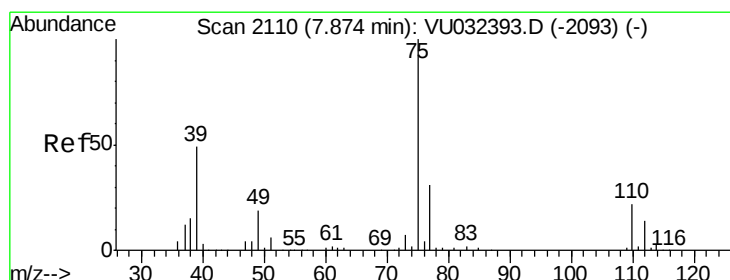
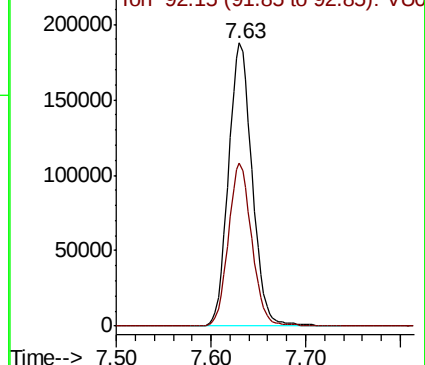
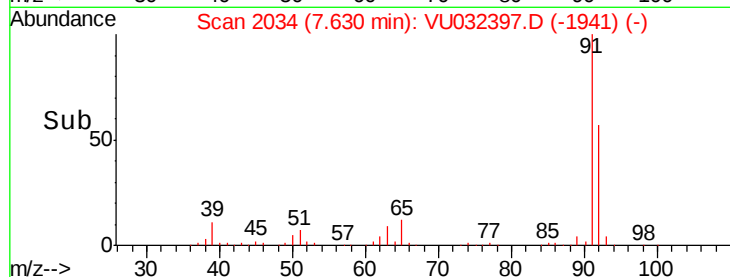
91 100

92 57.4 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU032397.D (-1941) (-)

Ion 92.15 (91.85 to 92.85): VU032397.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.216 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032397.D

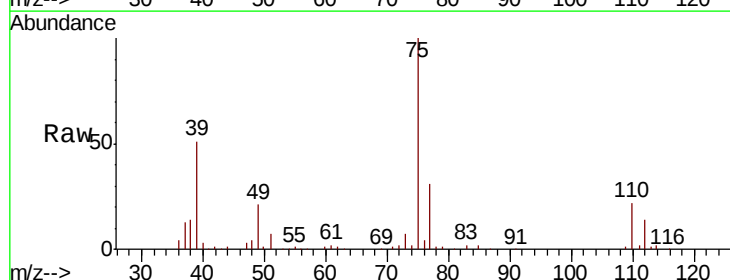
Acq: 03 Jun 2019 16:49

Tgt Ion: 75 Resp: 107704

Ion Ratio Lower Upper

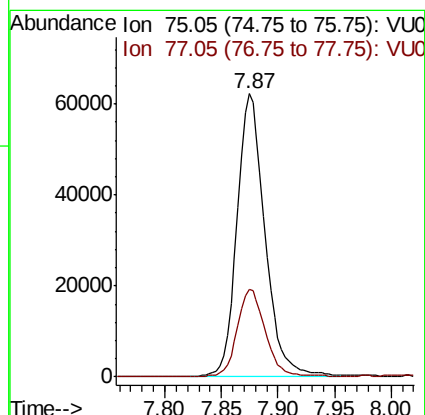
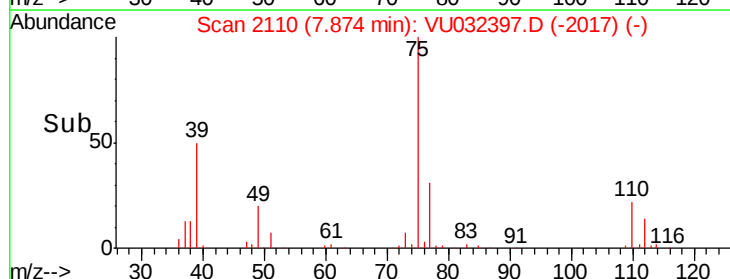
75 100

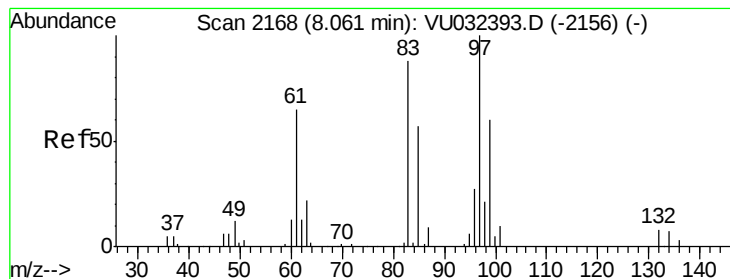
77 30.9 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU032397.D (-2017) (-)

Ion 77.05 (76.75 to 77.75): VU032397.D (-2017) (-)





#45

1,1,2-Trichloroethane

Concen: 5.084 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

Tgt Ion: 97 Resp: 56001

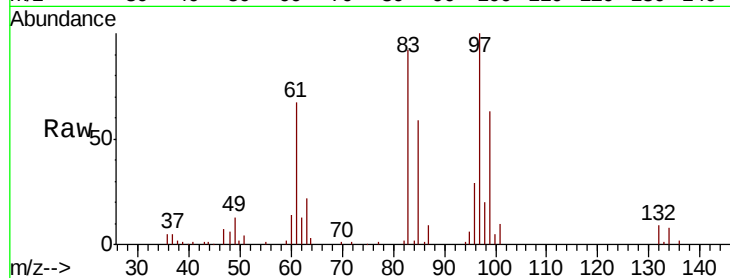
Ion Ratio Lower Upper

97 100

99 63.1 42.2 78.4

83 92.1 61.9 114.9

85 59.1 39.7 73.7

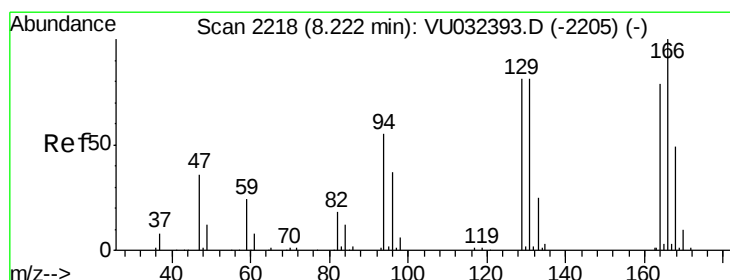
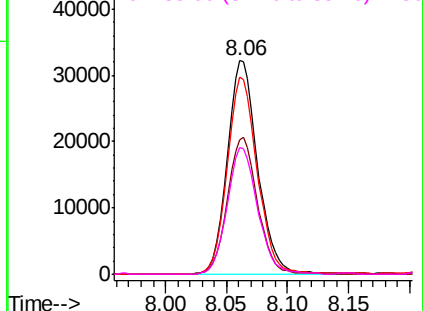
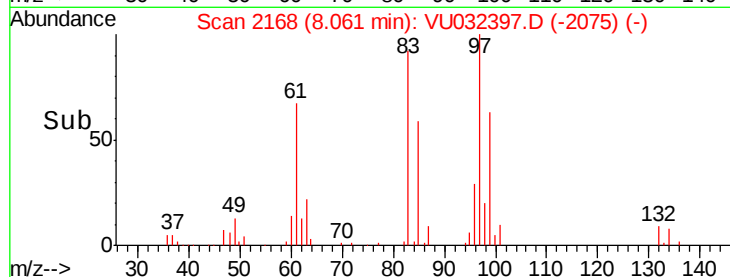


Abundance Ion 96.95 (96.65 to 97.65): VU032397.D (-2156) (-)

Ion 99.05 (98.75 to 99.75): VU032397.D (-2156) (-)

Ion 82.95 (82.65 to 83.65): VU032397.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU032397.D (-2156) (-)



#47

Tetrachloroethene

Concen: 5.092 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Tgt Ion: 164 Resp: 56742

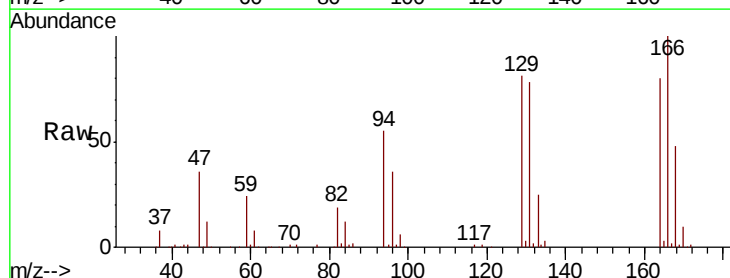
Ion Ratio Lower Upper

164 100

129 101.7 72.1 133.9

131 97.3 71.9 133.5

166 125.4 89.0 165.4

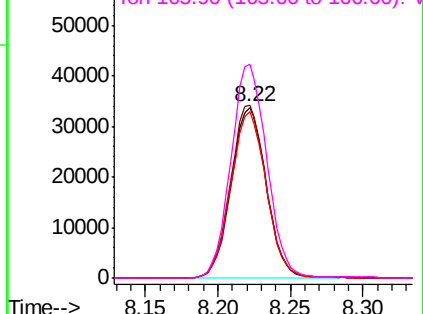
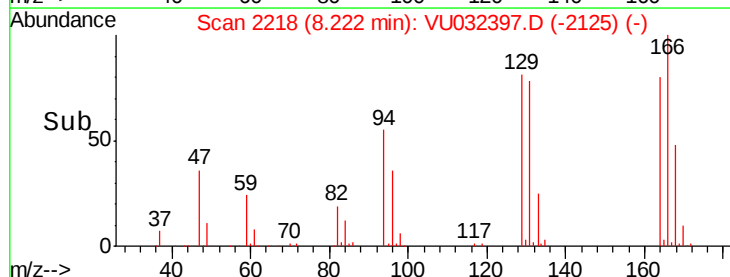


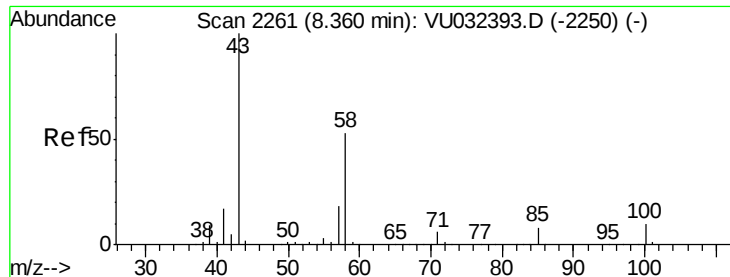
Abundance Ion 163.90 (163.60 to 164.60): VU032397.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VU032397.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VU032397.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VU032397.D (-2218) (-)

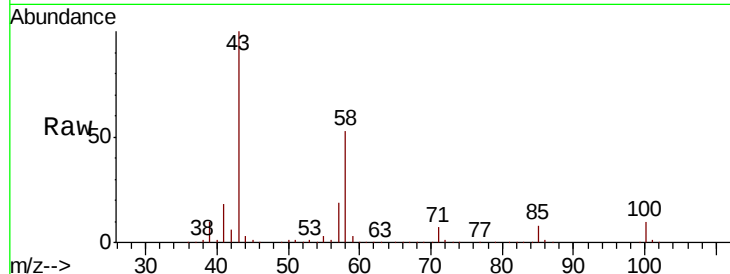




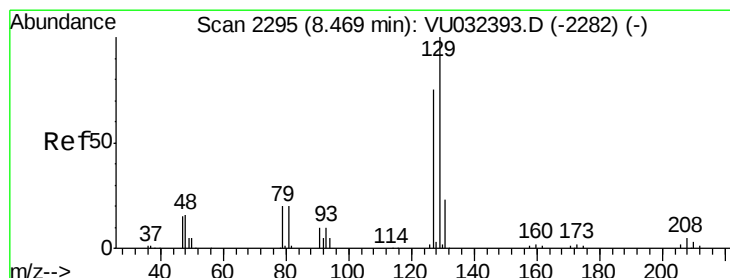
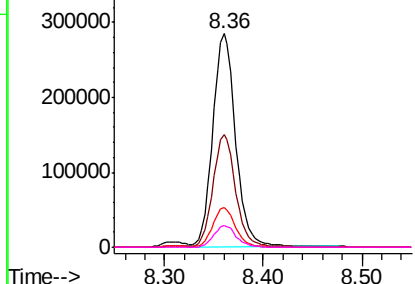
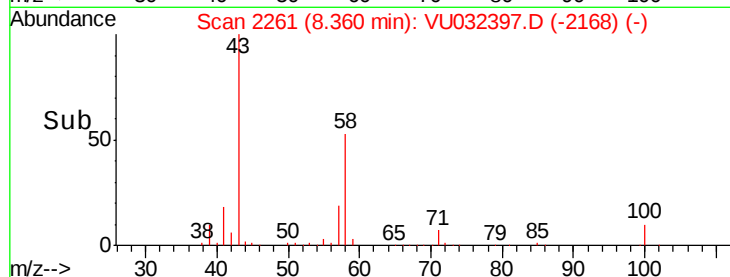
#48
2-Hexanone
Concen: 52.221 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

Tgt Ion: 43 Resp: 460492
Ion Ratio Lower Upper
43 100
58 52.1 41.3 61.9
57 18.5 14.5 21.7
100 10.0 8.2 12.2

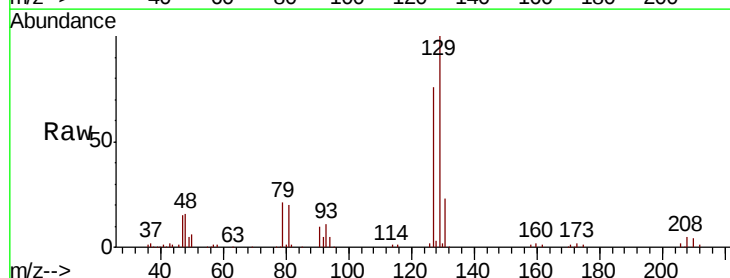


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

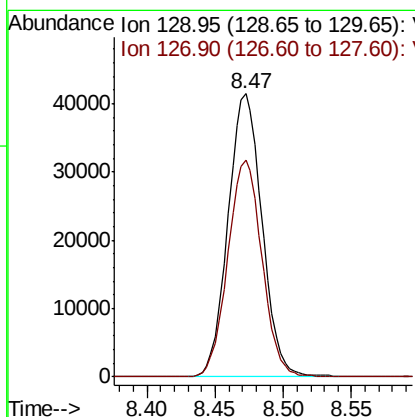
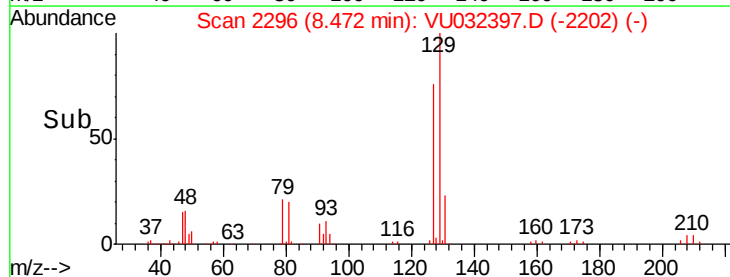


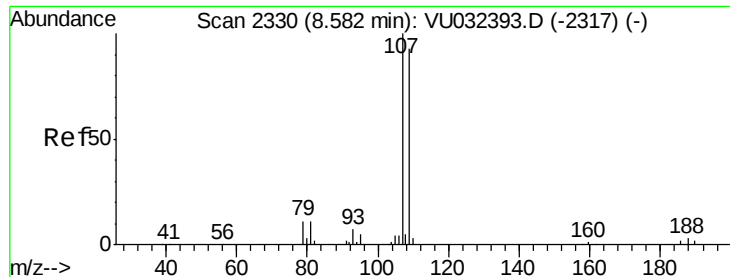
#49
Dibromochloromethane
Concen: 5.177 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion: 129 Resp: 71754
Ion Ratio Lower Upper
129 100
127 76.4 52.6 97.8



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

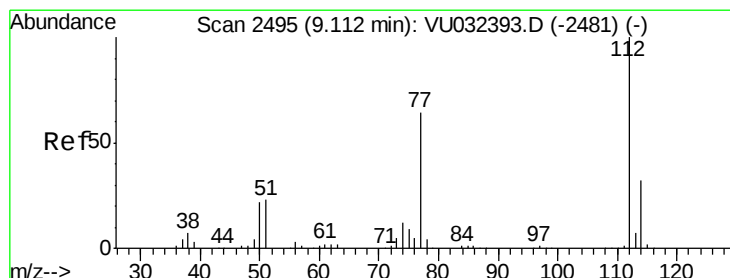
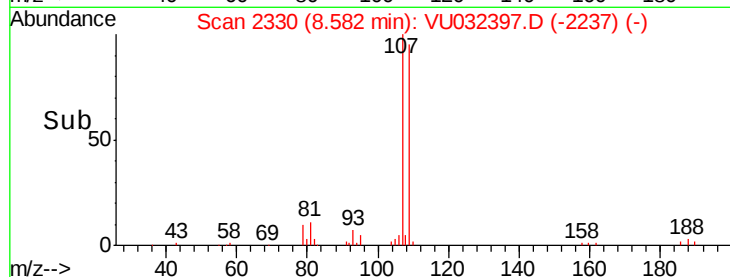
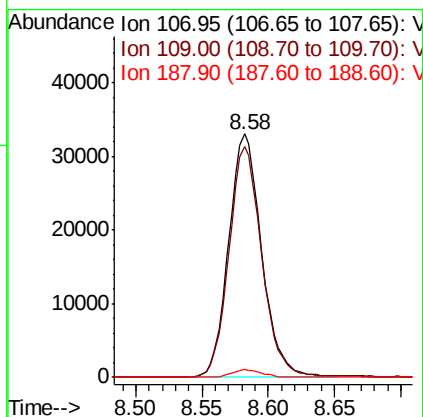
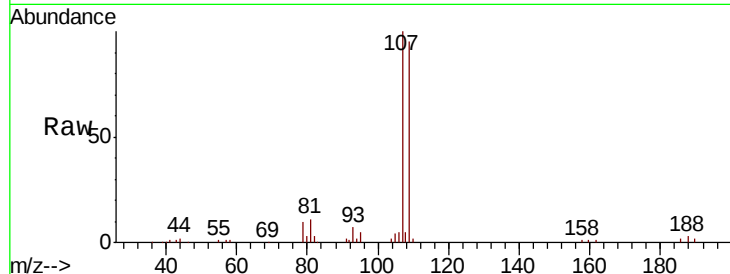




#50
1,2-Dibromoethane
Concen: 5.088 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

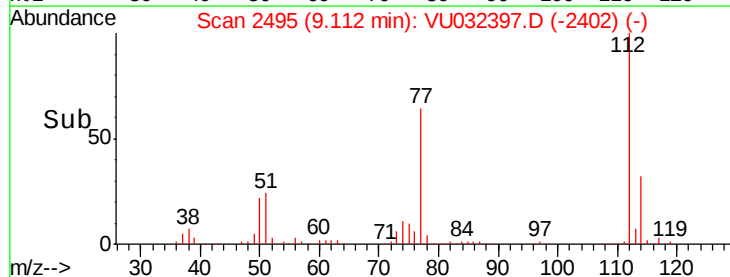
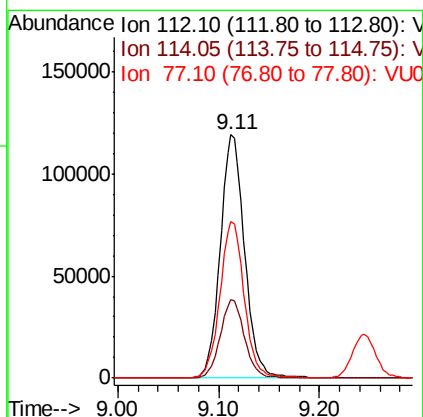
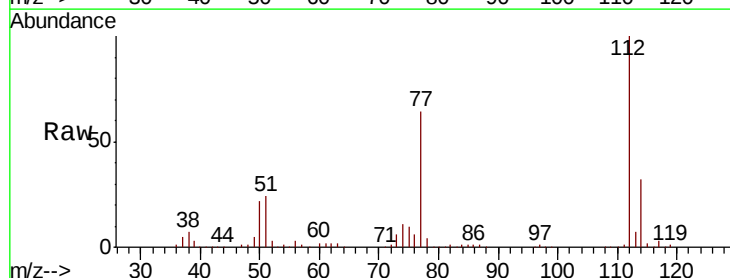
Instrument :
MSVOA_U
ClientSampleId :
VSTD00518

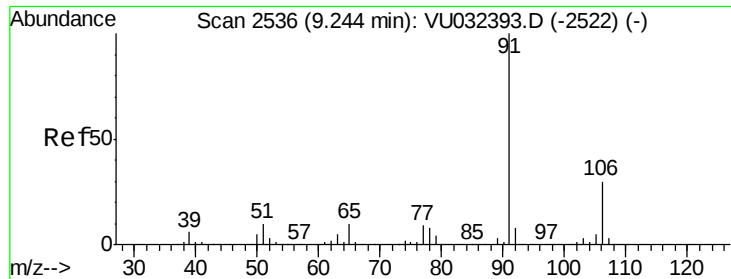
Tgt Ion:107 Resp: 57039
Ion Ratio Lower Upper
107 100
109 94.9 65.3 121.3
188 3.1 2.6 3.8



#51
Chlorobenzene
Concen: 5.037 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU032397.D
Acq: 03 Jun 2019 16:49

Tgt Ion:112 Resp: 200964
Ion Ratio Lower Upper
112 100
114 32.3 22.1 41.1
77 64.3 51.0 76.6





#52

Ethylbenzene

Concen: 5.128 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

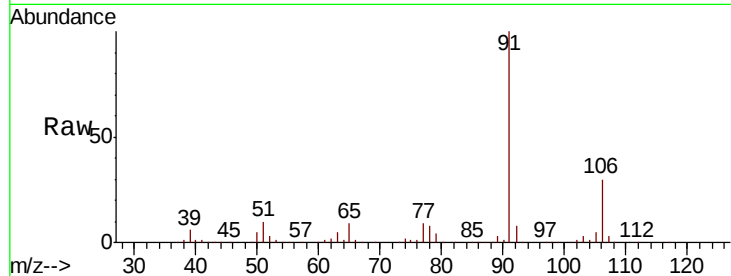
VSTD00518

Tgt Ion: 91 Resp: 372756

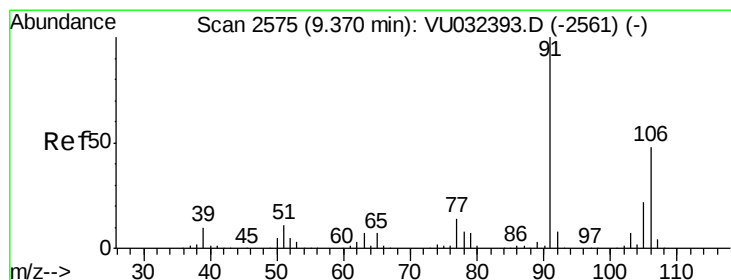
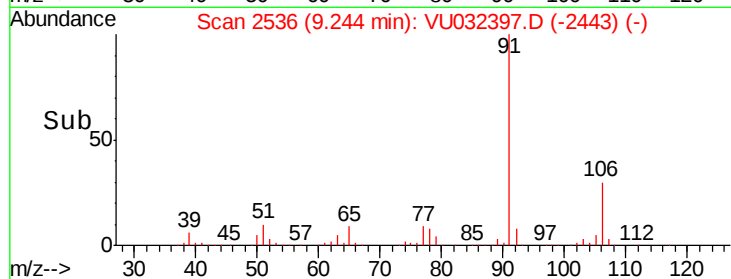
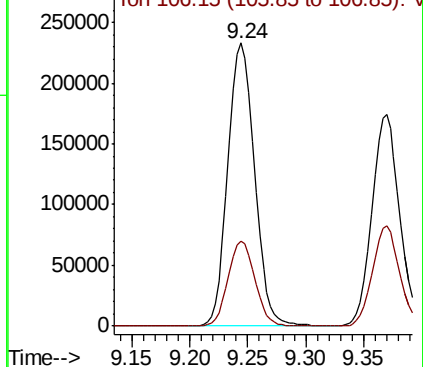
Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU032397.D (-2522) (-)



#53

m,p-Xylene

Concen: 5.080 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032397.D

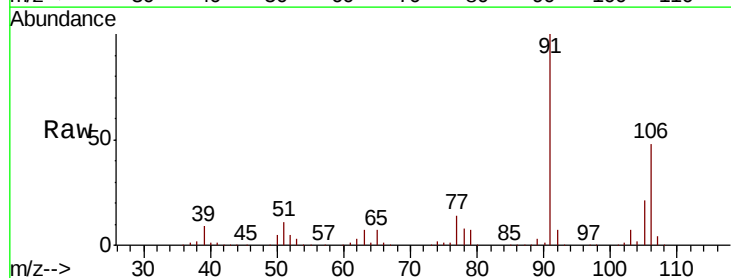
Acq: 03 Jun 2019 16:49

Tgt Ion: 106 Resp: 135510

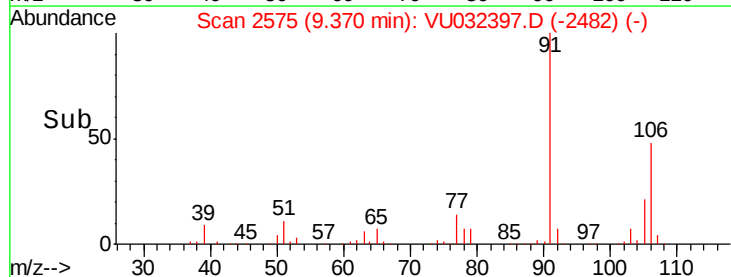
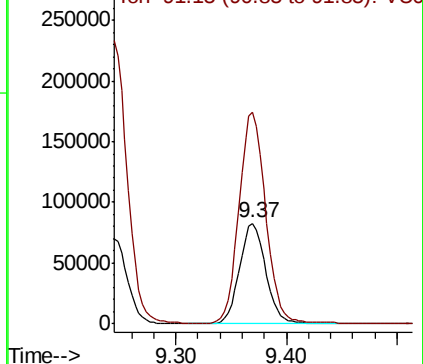
Ion Ratio Lower Upper

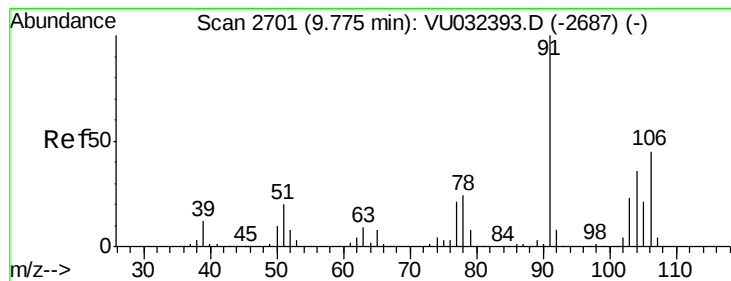
106 100

91 210.0 144.8 269.0



Abundance Ion 106.15 (105.85 to 106.85): VU032397.D (-2575) (-)





#54

o-Xylene

Concen: 5.129 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

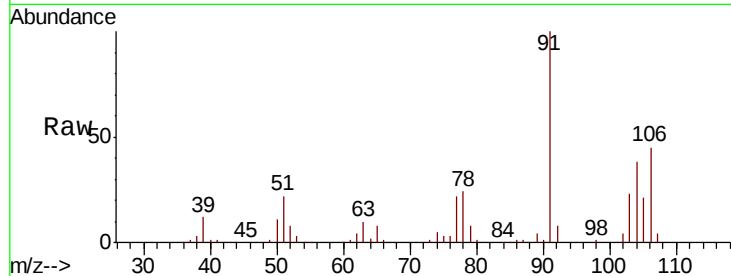
VSTD00518

Tgt Ion:106 Resp: 135317

Ion Ratio Lower Upper

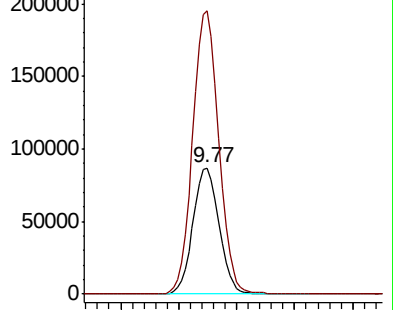
106 100

91 224.6 156.9 291.3

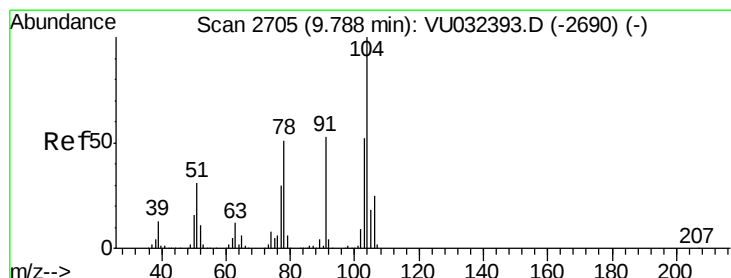
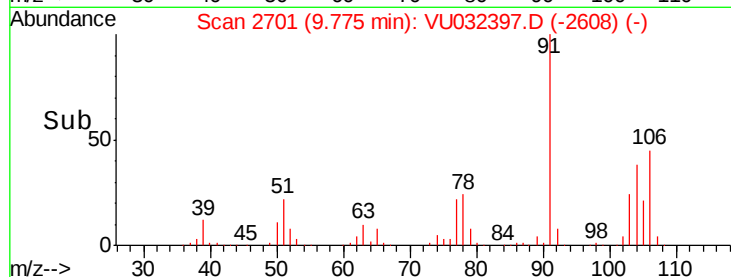


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



Time-->



#55

Styrene

Concen: 5.198 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032397.D

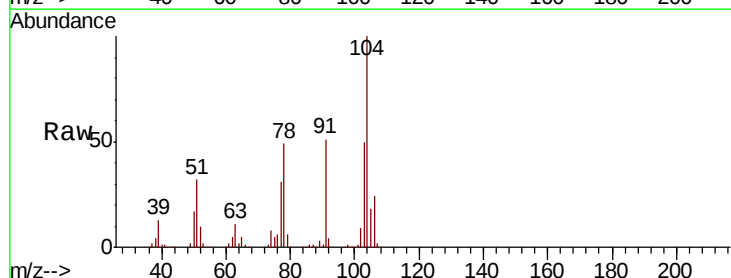
Acq: 03 Jun 2019 16:49

Tgt Ion:104 Resp: 231245

Ion Ratio Lower Upper

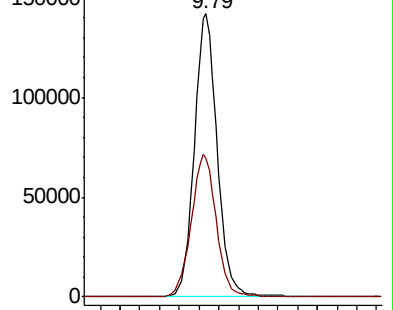
104 100

78 49.1 35.5 65.9

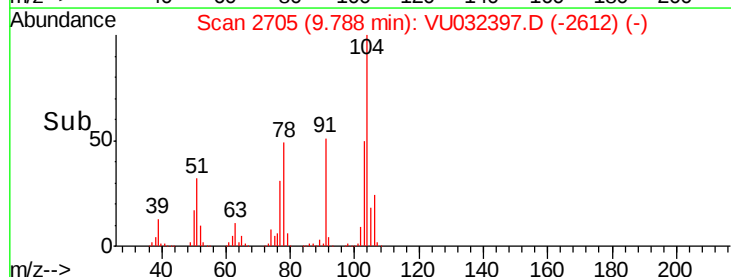


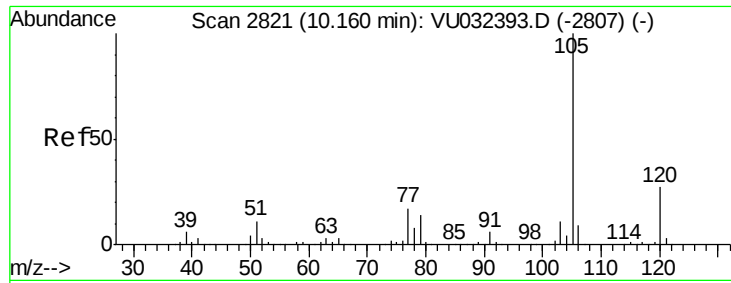
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 5.068 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

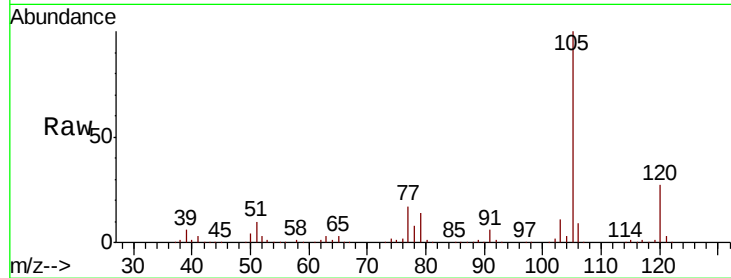
Tgt Ion:105 Resp: 356562

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

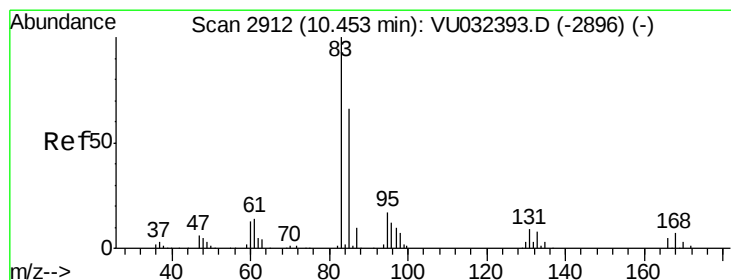
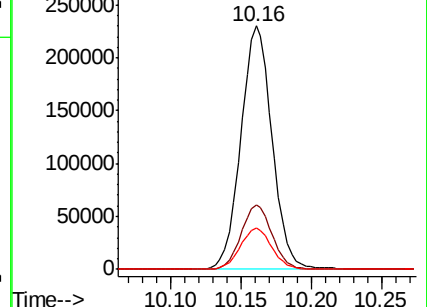
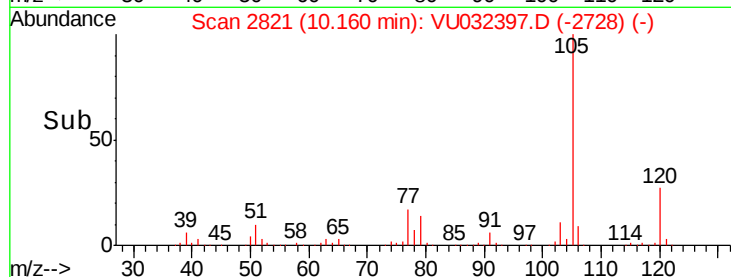
77 17.0 13.4 20.2



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: 5.118 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

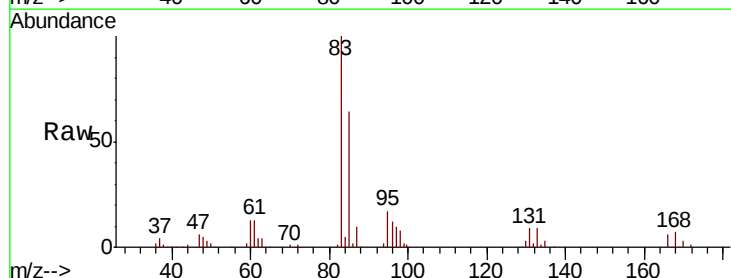
Tgt Ion: 83 Resp: 76871

Ion Ratio Lower Upper

83 100

85 64.3 46.5 86.5

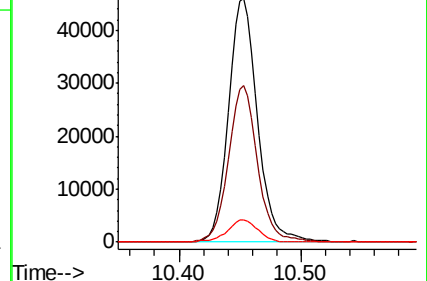
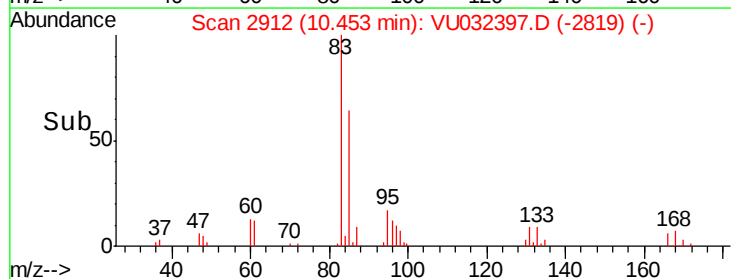
131 9.3 7.4 11.2

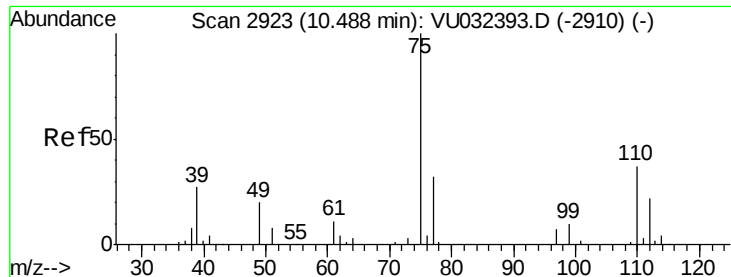


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

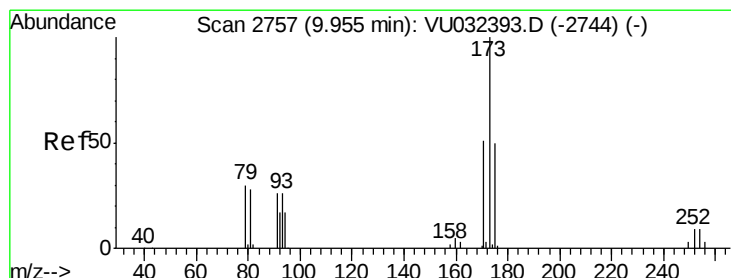
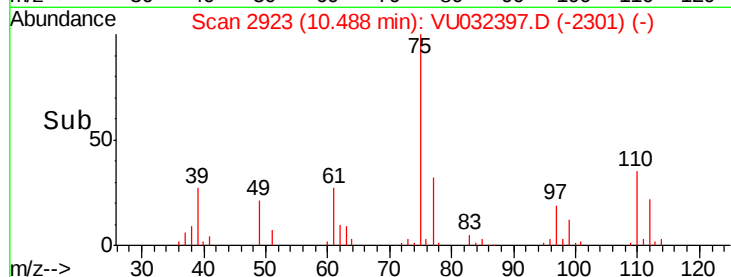
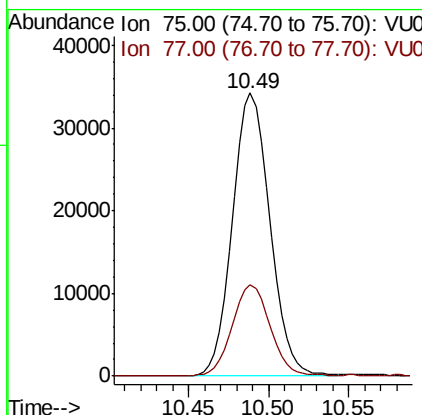
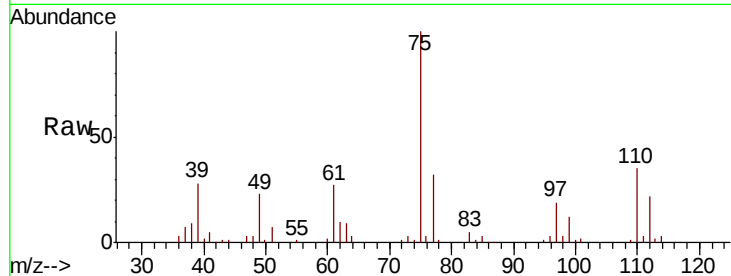




#59
 1,2,3-Trichloropropane
 Concen: 5.246 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

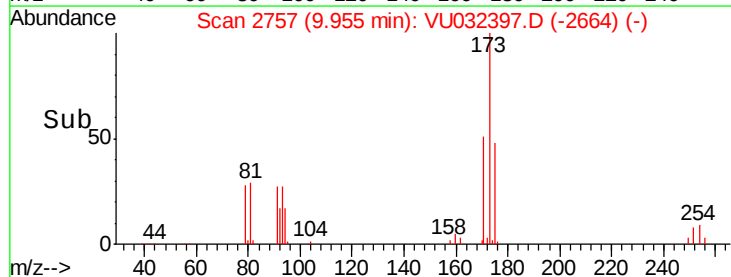
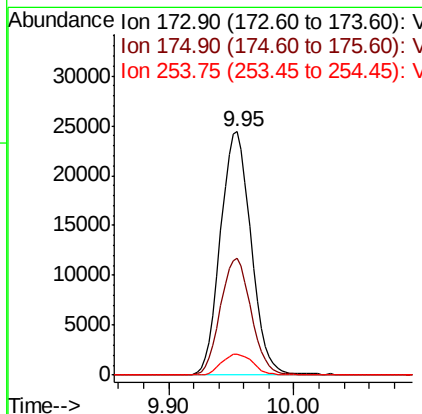
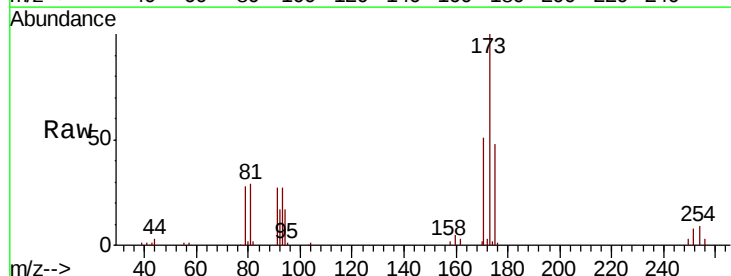
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

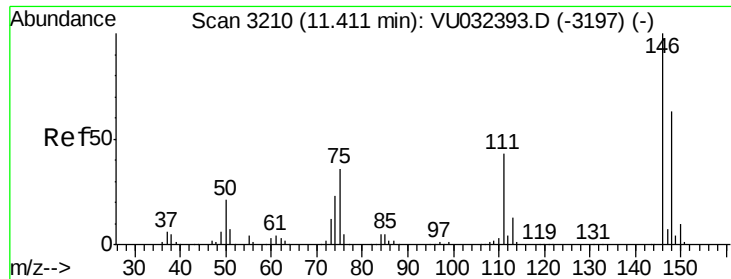
Tgt Ion: 75 Resp: 54553
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.1 39.1



#61
 Bromoform
 Concen: 5.165 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

Tgt Ion: 173 Resp: 41363
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 58.0
 254 8.7 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 5.134 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

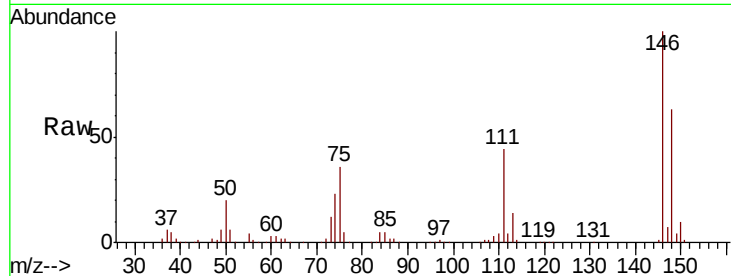
Tgt Ion:146 Resp: 155722

Ion Ratio Lower Upper

146 100

111 43.7 29.8 55.3

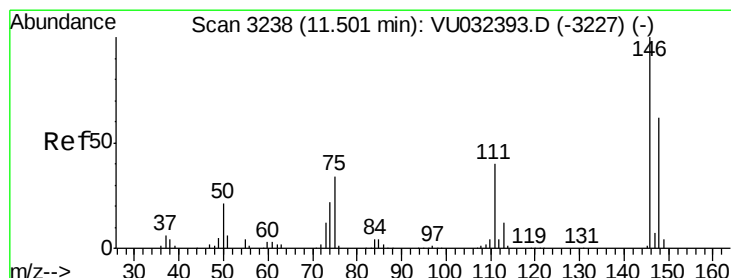
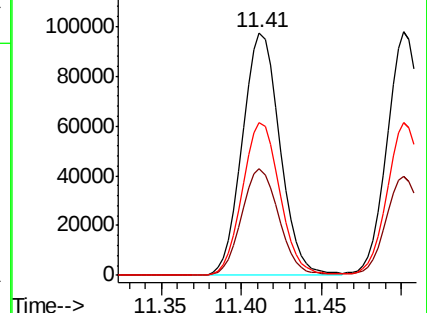
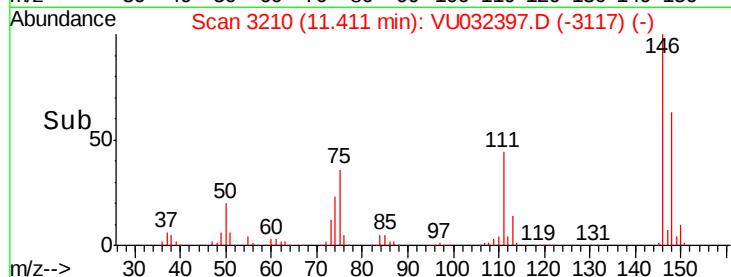
148 63.0 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.129 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

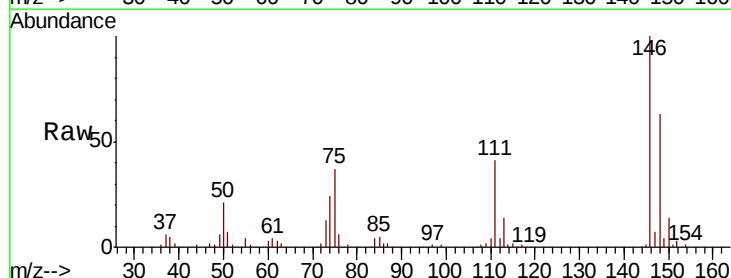
Tgt Ion:146 Resp: 156792

Ion Ratio Lower Upper

146 100

111 40.6 28.6 53.2

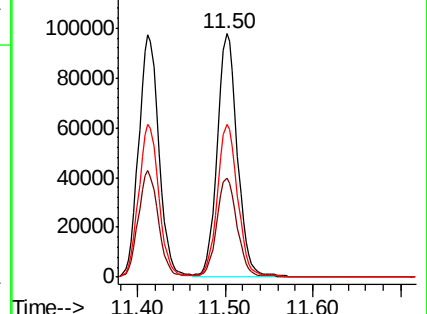
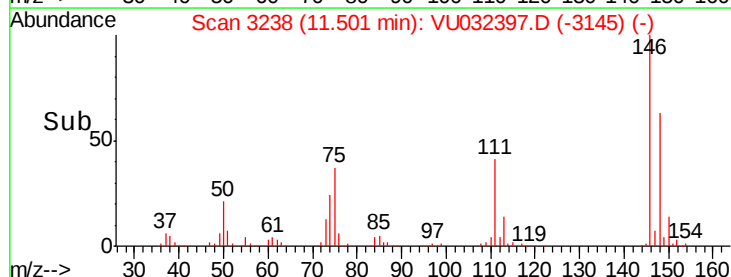
148 62.8 43.3 80.3

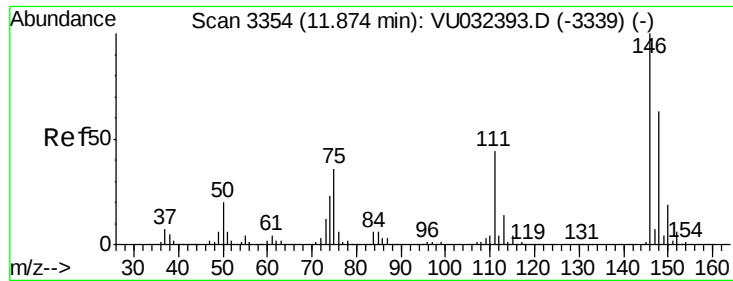


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.140 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

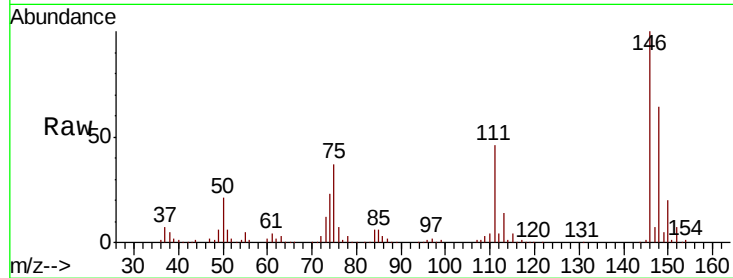
Tgt Ion:146 Resp: 149039

Ion Ratio Lower Upper

146 100

111 45.9 35.2 52.8

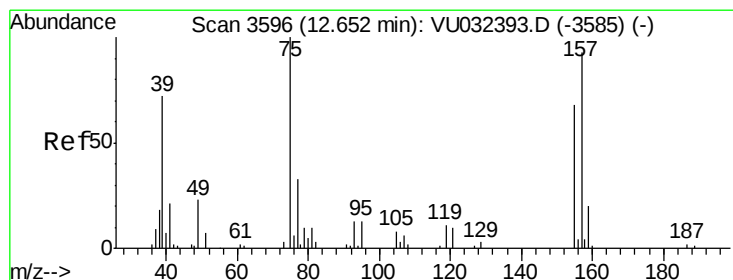
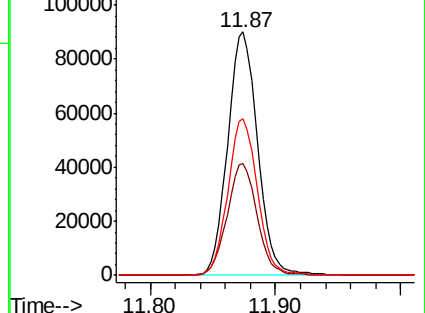
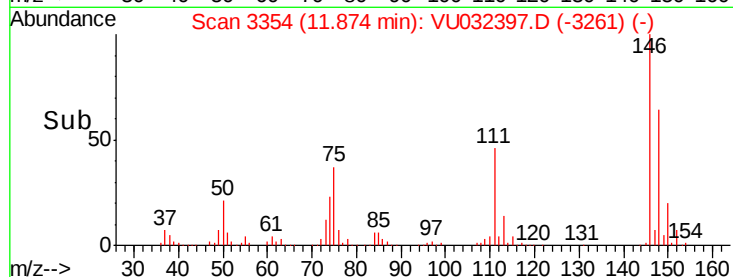
148 64.3 50.3 75.5



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: 5.289 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

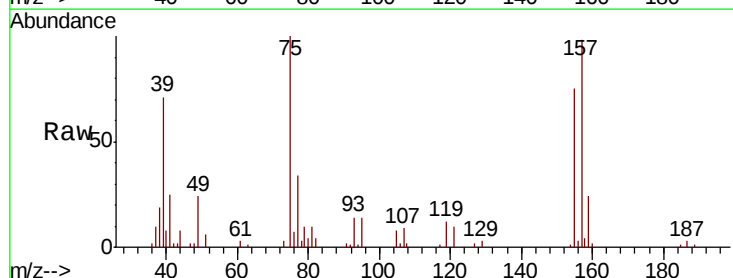
Tgt Ion: 75 Resp: 14561

Ion Ratio Lower Upper

75 100

155 75.0 54.8 82.2

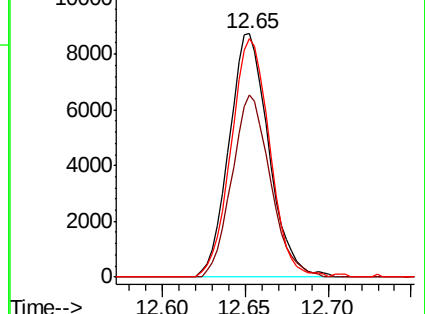
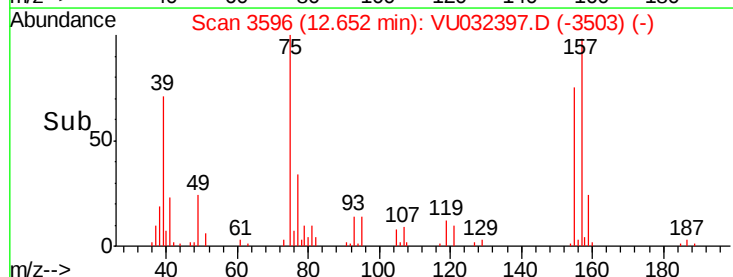
157 98.1 74.7 112.1

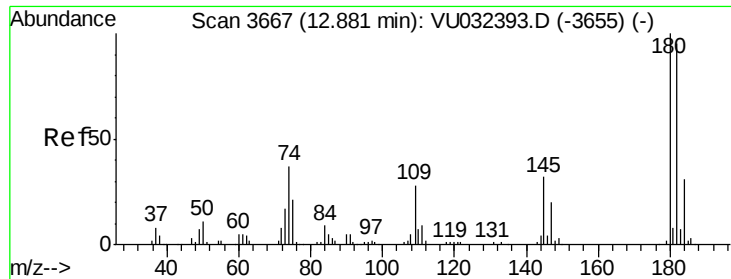


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

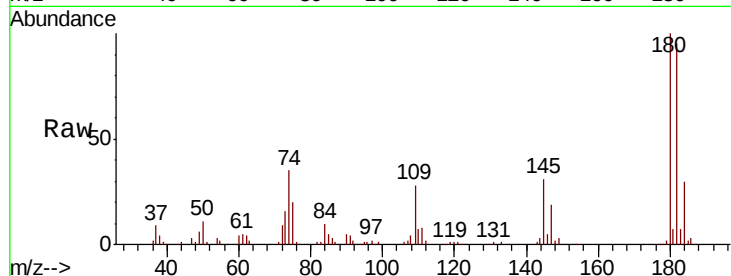




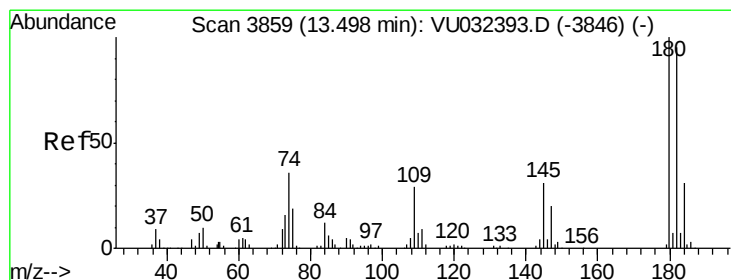
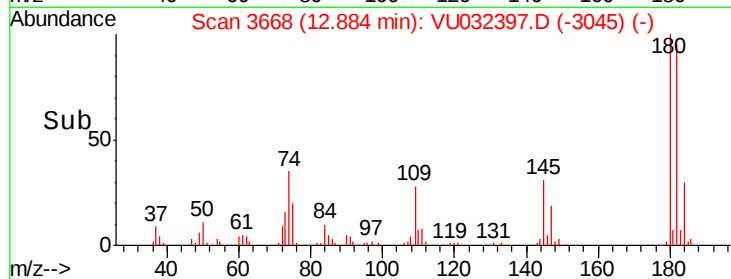
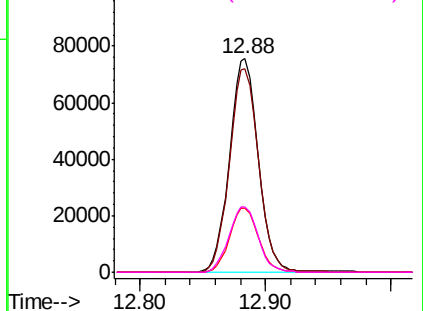
#67
 1,3,5-Trichlorobenzene
 Concen: 5.134 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00518

Tgt Ion:180 Resp: 120378
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.0 114.0
 184 30.3 24.5 36.7
 145 31.1 25.2 37.8

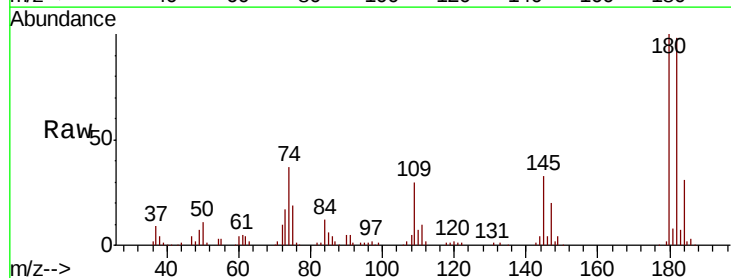


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

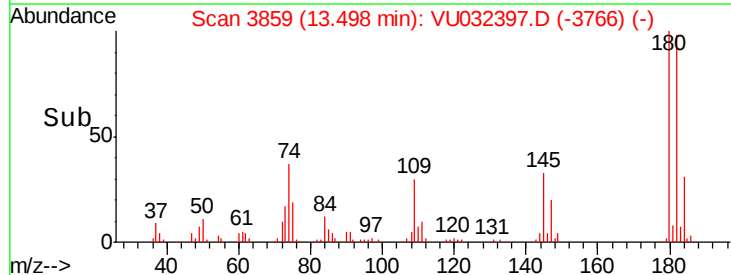
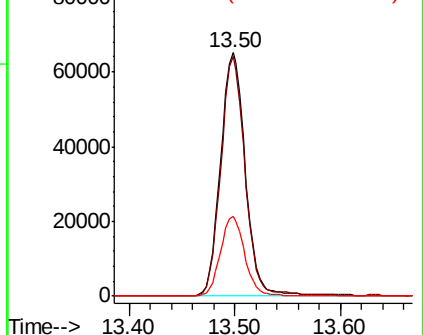


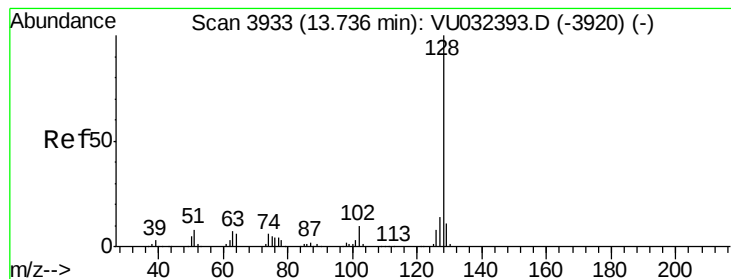
#68
 1,2,4-trichlorobenzene
 Concen: 5.341 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032397.D
 Acq: 03 Jun 2019 16:49

Tgt Ion:180 Resp: 106470
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.3 115.9
 145 31.7 25.0 37.4



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: 5.477 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00518

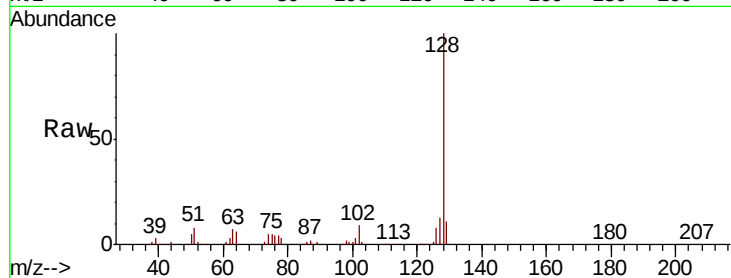
Tgt Ion:128 Resp: 214612

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

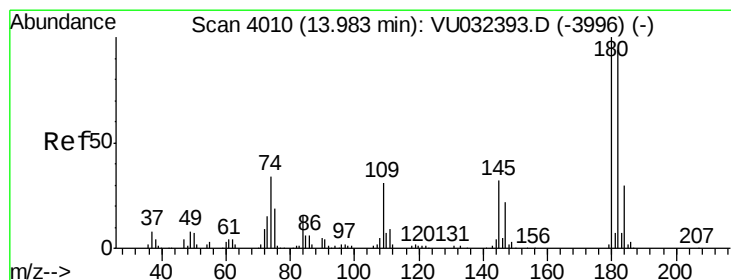
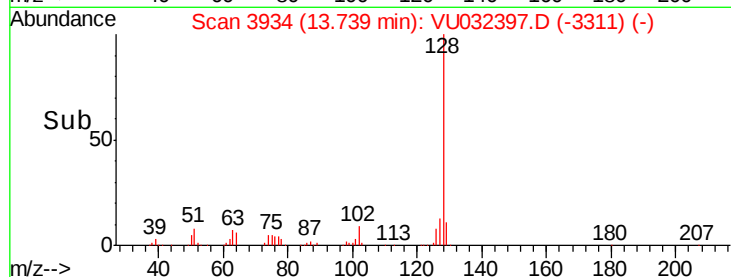
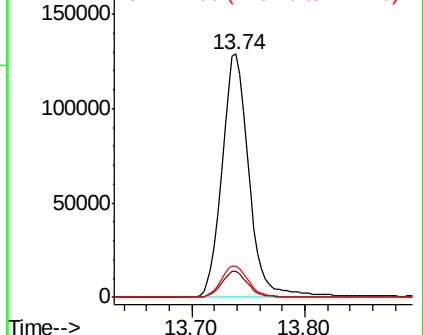
127 13.3 11.0 16.4



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: 5.241 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032397.D

Acq: 03 Jun 2019 16:49

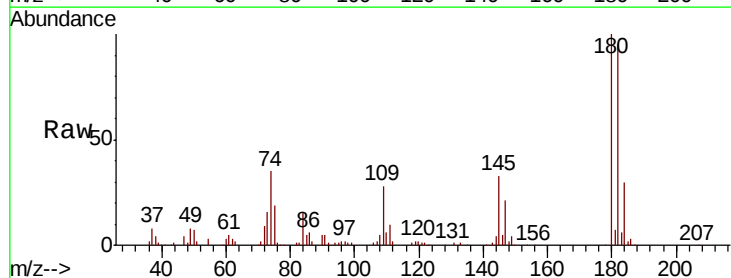
Tgt Ion:180 Resp: 99206

Ion Ratio Lower Upper

180 100

182 96.5 76.6 114.8

145 33.2 26.7 40.1



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

