

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060819\
 Data File : VU032551.D
 Acq On : 08 Jun 2019 19:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Quant Time: Jun 08 23:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 23:12:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	211035	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	197364	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	106319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51946	37.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.88%
7) Chloroethane-d5	1.67	69	45640	41.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.96%
11) 1,1-Dichloroethene-d2	2.27	63	112928	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.24%
21) 2-Butanone-d5	4.17	46	117972	102.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.96%
24) Chloroform-d	4.64	84	118803	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	5.30	65	75216	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
32) Benzene-d6	5.33	84	229534	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.32	67	74388	46.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.60%
41) Toluene-d8	7.56	98	214290	44.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.22%
43) trans-1,3-Dichloropropene-	7.85	79	36454	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.82%
47) 2-Hexanone-d5	8.31	63	80909	103.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112786	48.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	96595	47.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	91580	48.136	ug/L 100
3) Chloromethane	1.32	50	85352	46.428	ug/L 100
5) Vinyl chloride	1.40	62	86467	47.085	ug/L 99
6) Bromomethane	1.62	94	48383	44.211	ug/L 98
8) Chloroethane	1.69	64	49717	45.546	ug/L 100
9) Trichlorofluoromethane	1.88	101	119285	48.104	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	63926	49.568	ug/L 97
12) 1,1-Dichloroethene	2.28	96	61579	49.176	ug/L 88
13) Acetone	2.32	43	99295	83.988	ug/L 100
14) Carbon disulfide	2.47	76	184236	48.422	ug/L 99
15) Methyl Acetate	2.61	43	85899	50.889	ug/L 99
16) Methylene chloride	2.69	84	70858	49.591	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	66579	49.065	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	222875	49.994	ug/L 99
19) 1,1-Dichloroethane	3.44	63	125875	50.884	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	75182	48.956	ug/L 97
22) 2-Butanone	4.25	43	136924	97.992	ug/L 99

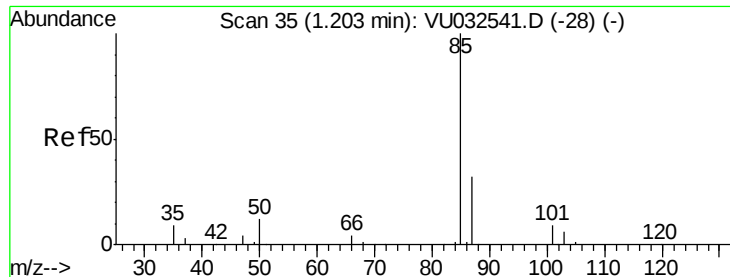
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39105	48.973	ug/L	96
25) Chloroform	4.67	83	128266	50.246	ug/L	98
27) 1,2-Dichloroethane	5.40	62	102005	50.546	ug/L	99
29) Cyclohexane	4.99	56	115112	49.035	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	111380	49.851	ug/L	98
31) Carbon tetrachloride	5.13	117	101903	49.763	ug/L	99
33) Benzene	5.38	78	280729	50.625	ug/L	100
34) Trichloroethene	6.18	95	75547	50.075	ug/L	99
35) Methylcyclohexane	6.41	83	117096	47.944	ug/L	98
37) 1,2-Dichloropropane	6.42	63	74880	50.939	ug/L	100
38) Bromodichloromethane	6.75	83	96535	51.002	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	119889	51.692	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	244311	103.309	ug/L	100
42) Toluene	7.63	91	302370	49.789	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	105848	51.418	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	70952	51.042	ug/L	98
46) Tetrachloroethene	8.22	164	61290	49.188	ug/L	99
48) 2-Hexanone	8.36	43	201242	103.606	ug/L	99
49) Dibromochloromethane	8.47	129	81963	50.728	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79337	50.706	ug/L	98
51) Chlorobenzene	9.11	112	198901	50.835	ug/L	100
52) Ethylbenzene	9.24	91	340085	50.239	ug/L	99
53) m,p-Xylene	9.37	106	127168	49.404	ug/L	98
54) o-xylene	9.77	106	127517	49.894	ug/L	99
55) Styrene	9.79	104	215380	50.480	ug/L	97
56) Isopropylbenzene	10.16	105	335301	49.754	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	121247	51.034	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	96458	50.477	ug/L	99
61) Bromoform	9.95	173	64425	50.824	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	160844	50.005	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	163239	49.639	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	164754	50.662	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	29854	54.563	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	130155	52.008	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	118299	55.798	ug/L	99
69) Naphthalene	13.74	128	377567	56.459	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	122846	55.675	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.136 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

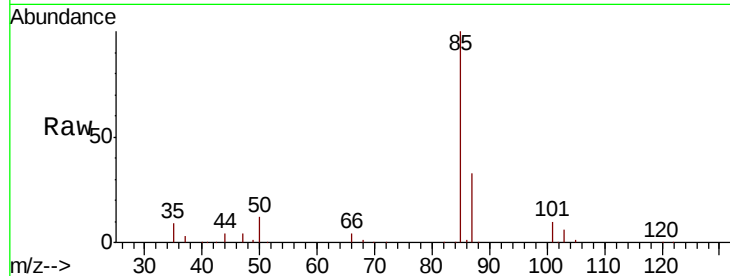
VSTD05039

Tgt Ion: 85 Resp: 91580

Ion Ratio Lower Upper

85 100

87 32.5 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032541.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032541.D (-28) (-)

1.20

80000

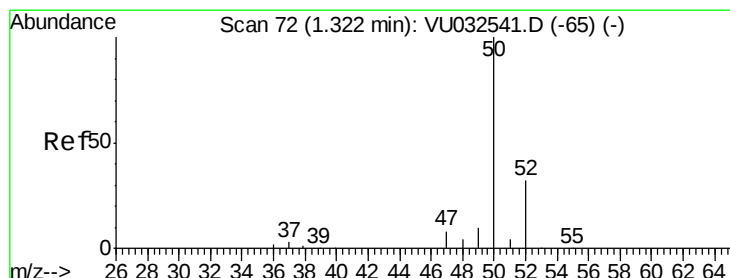
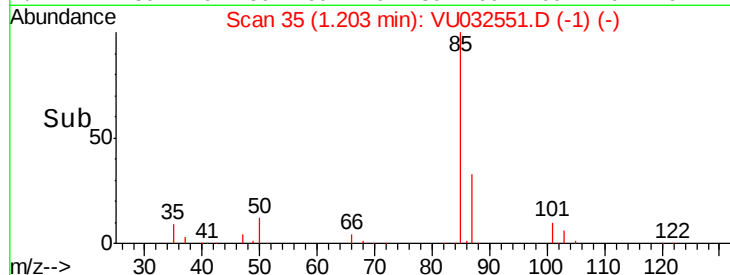
60000

40000

20000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 46.428 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032551.D

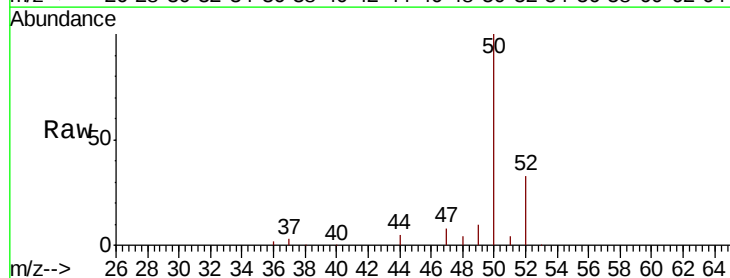
Acq: 08 Jun 2019 19:20

Tgt Ion: 50 Resp: 85352

Ion Ratio Lower Upper

50 100

52 33.0 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032541.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032541.D (-65) (-)

1.32

80000

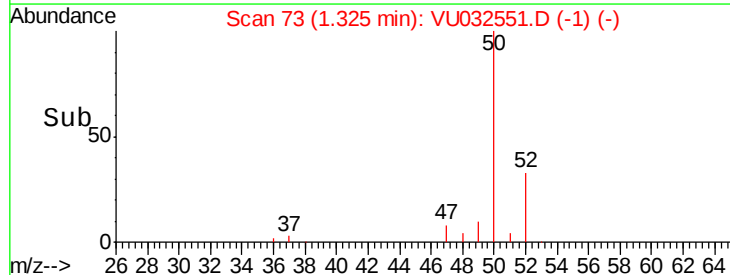
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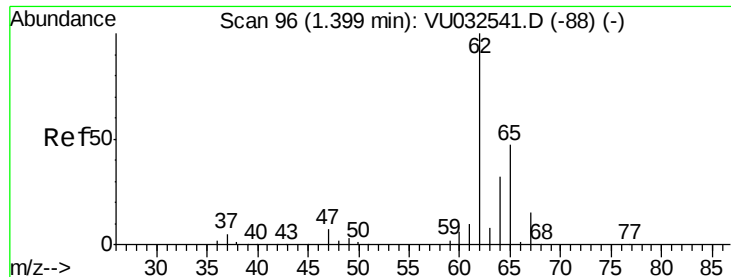
40000

20000

0

Time--> 1.30 1.35





#5

Vinyl chloride

Concen: 47.085 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

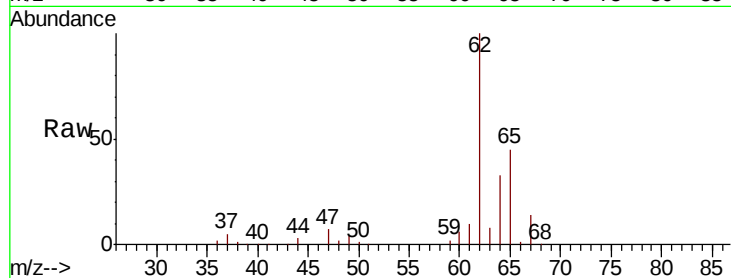
VSTD05039

Tgt Ion: 62 Resp: 86467

Ion Ratio Lower Upper

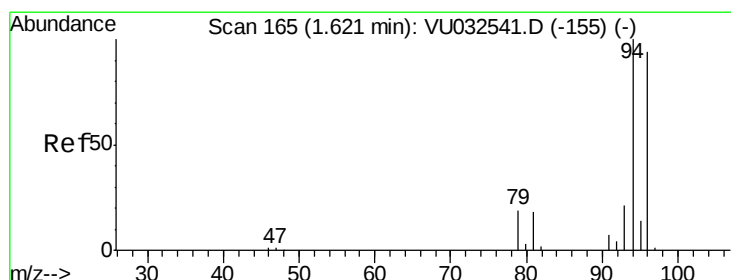
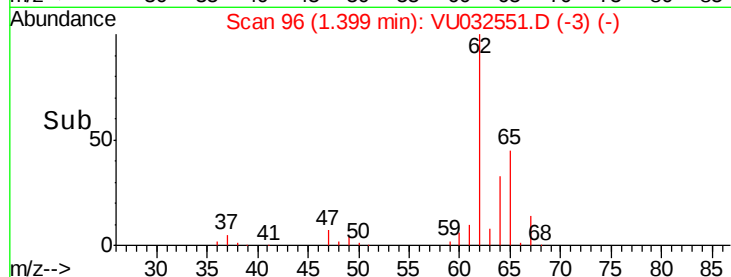
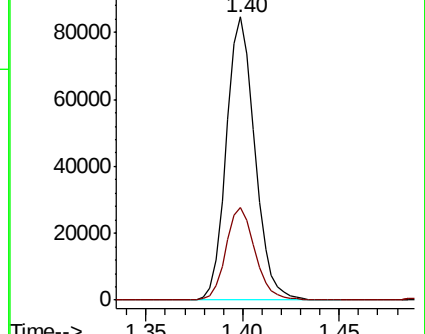
62 100

64 32.6 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 44.211 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032551.D

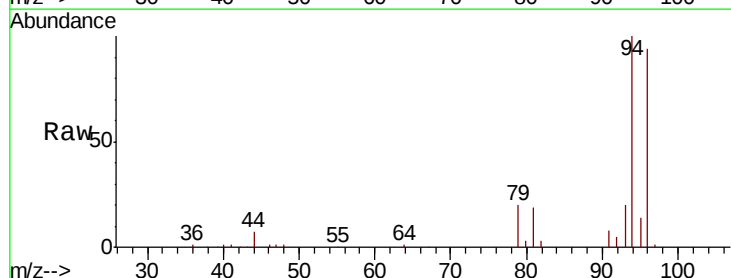
Acq: 08 Jun 2019 19:20

Tgt Ion: 94 Resp: 48383

Ion Ratio Lower Upper

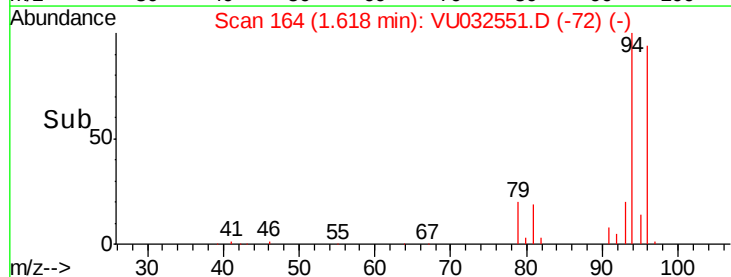
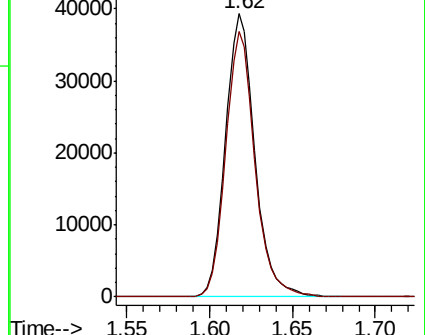
94 100

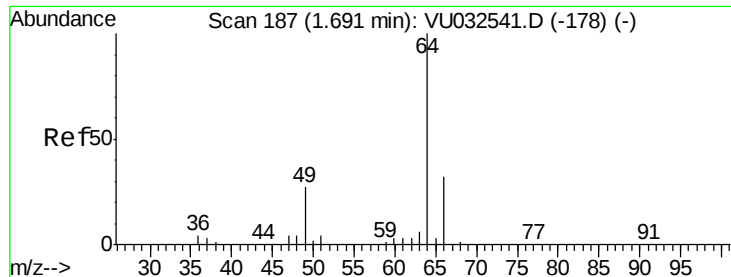
96 93.9 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 45.546 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

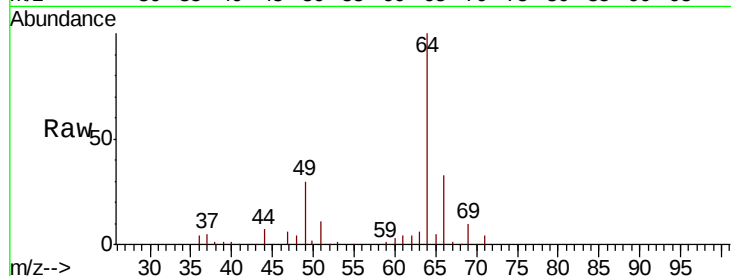
VSTD05039

Tgt Ion: 64 Resp: 49717

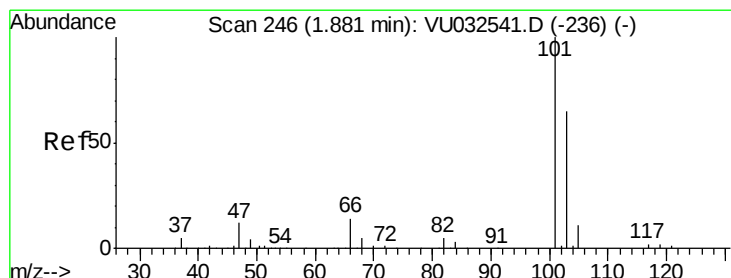
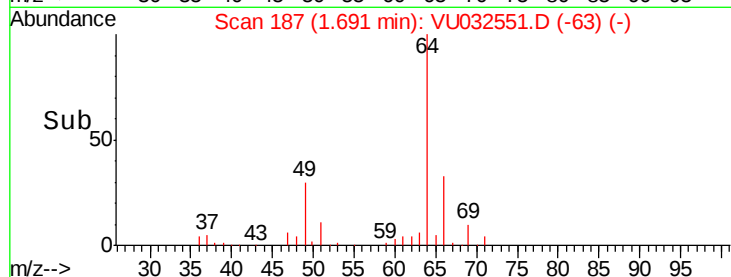
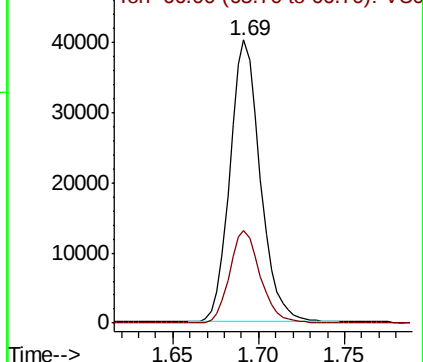
Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032551.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 48.104 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032551.D

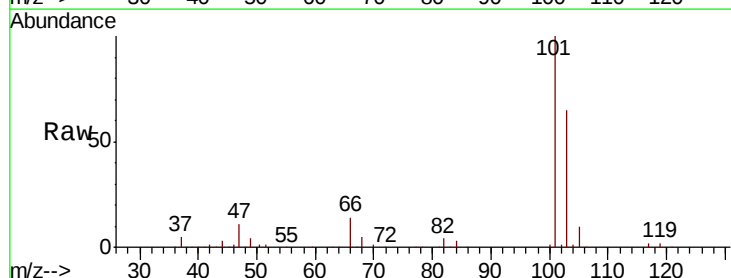
Acq: 08 Jun 2019 19:20

Tgt Ion: 101 Resp: 119285

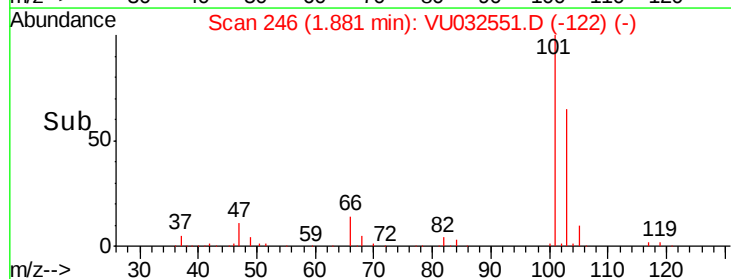
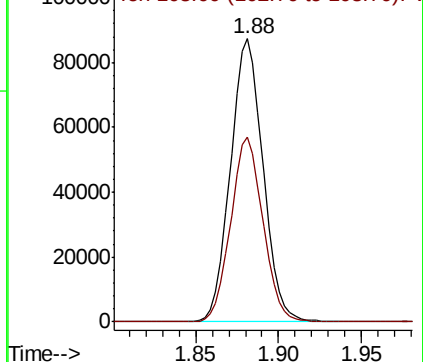
Ion Ratio Lower Upper

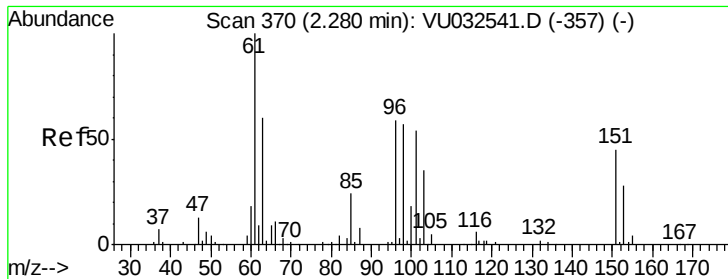
101 100

103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032551.D (-122) (-)





#10

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

Concen: 49.568 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

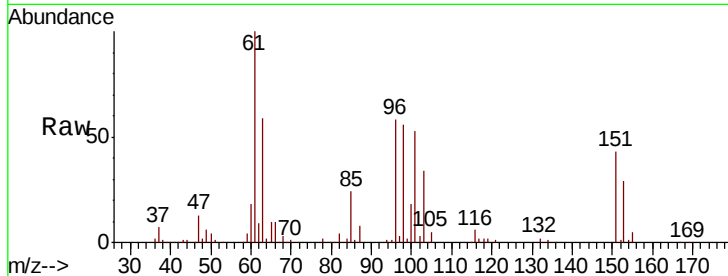
Tgt Ion: 101 Resp: 63926

Ion Ratio Lower Upper

101 100

85 43.7 36.1 54.1

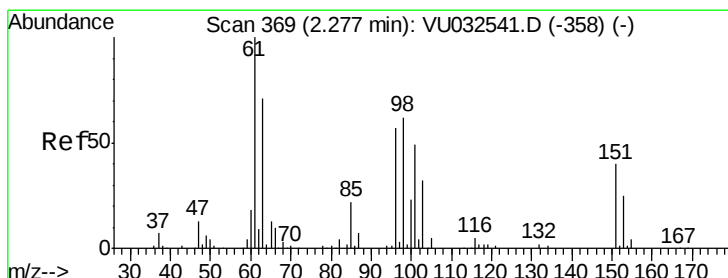
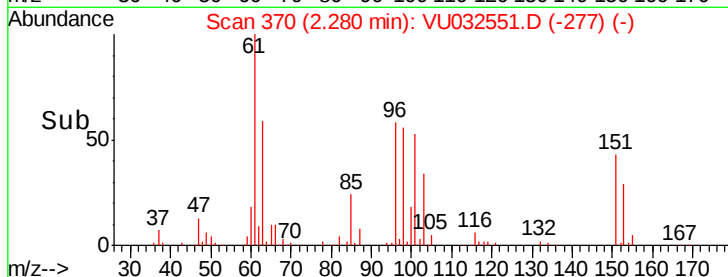
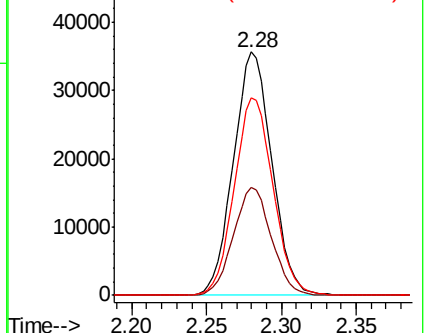
151 81.4 63.0 94.4



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: 49.176 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

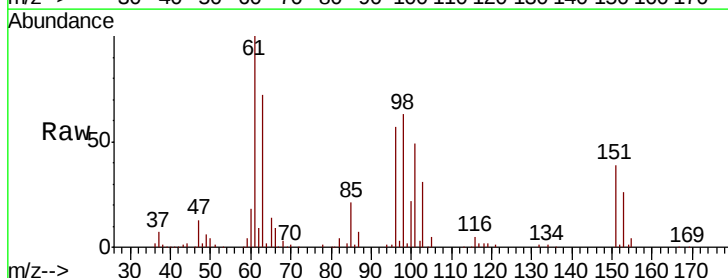
Tgt Ion: 96 Resp: 61579

Ion Ratio Lower Upper

96 100

61 174.4 129.5 240.5

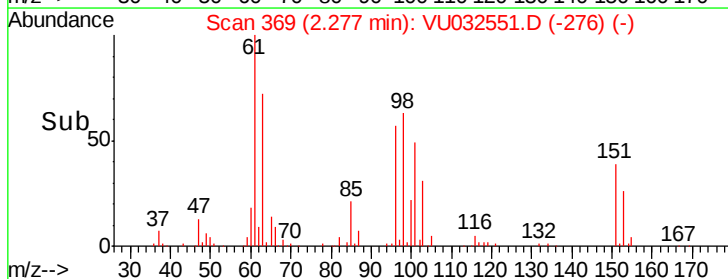
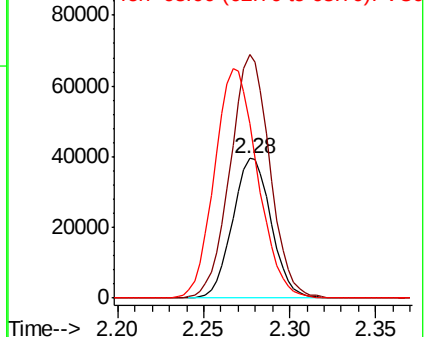
63 125.2 103.4 192.0

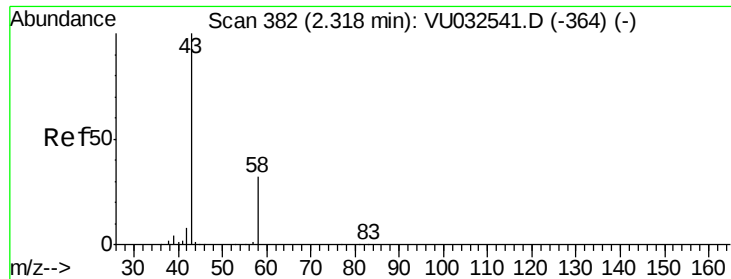


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.988 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

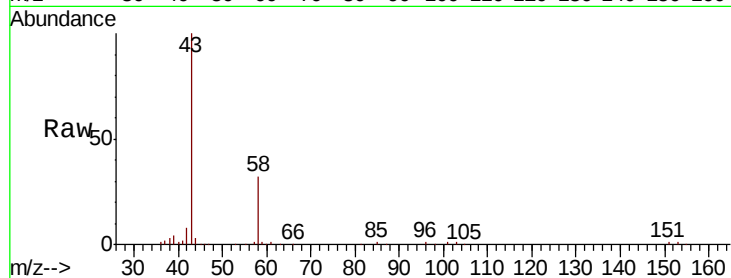
VSTD05039

Tgt Ion: 43 Resp: 99295

Ion Ratio Lower Upper

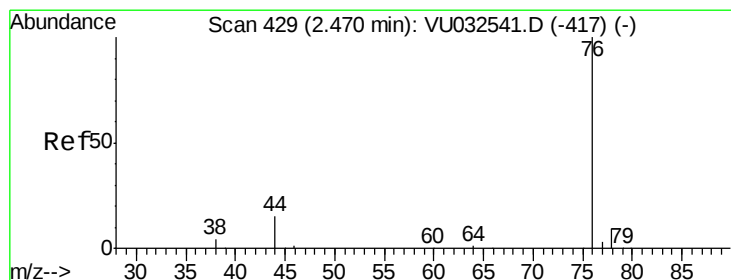
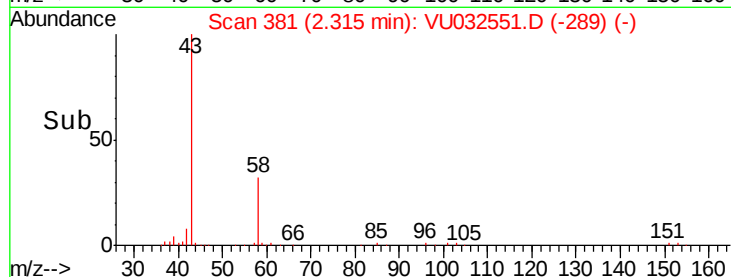
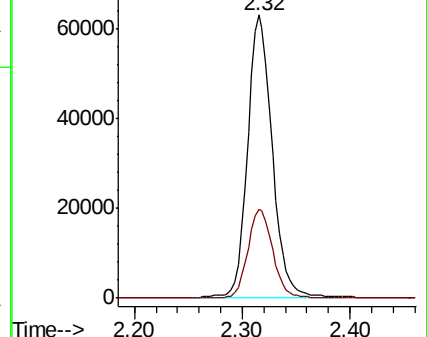
43 100

58 32.1 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032551.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU032551.D (-364) (-)



#14

Carbon disulfide

Concen: 48.422 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032551.D

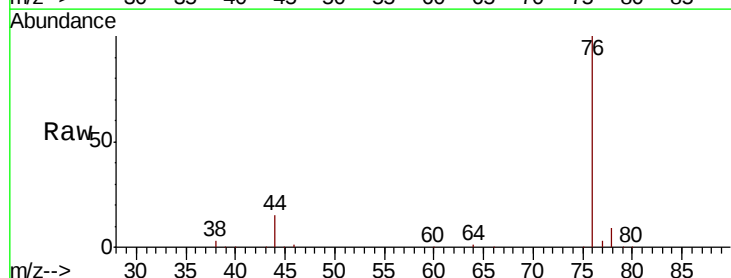
Acq: 08 Jun 2019 19:20

Tgt Ion: 76 Resp: 184236

Ion Ratio Lower Upper

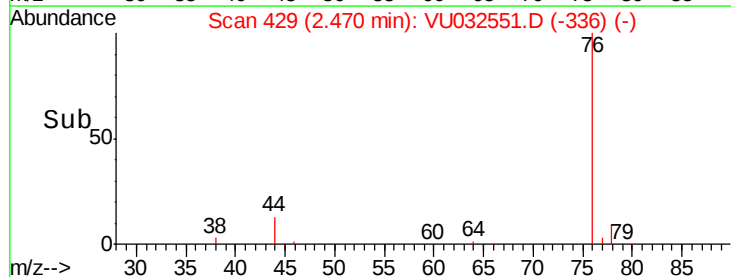
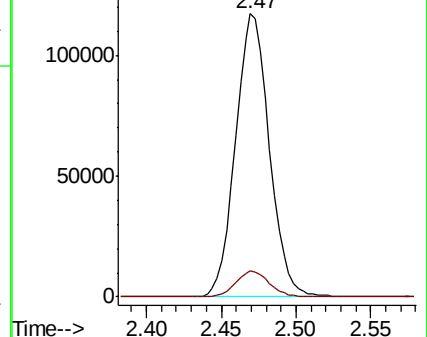
76 100

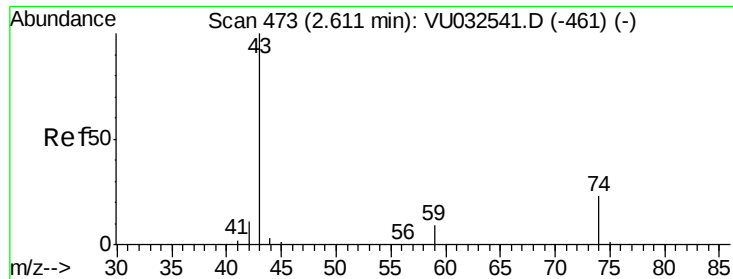
78 9.0 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032551.D (-336) (-)

Ion 78.00 (77.70 to 78.70): VU032551.D (-336) (-)

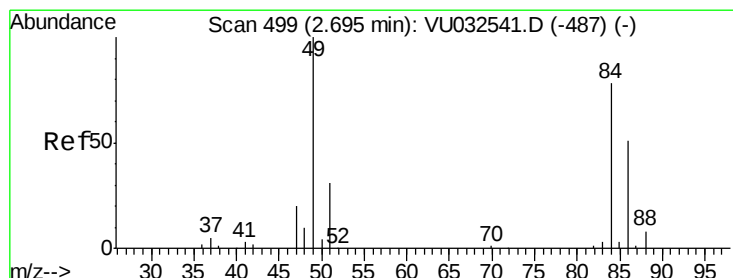
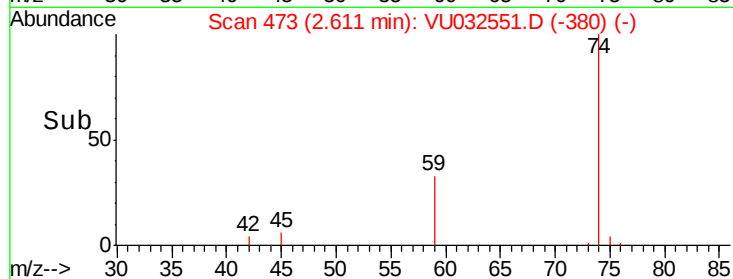
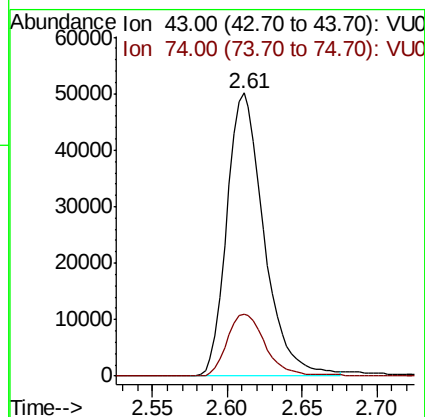
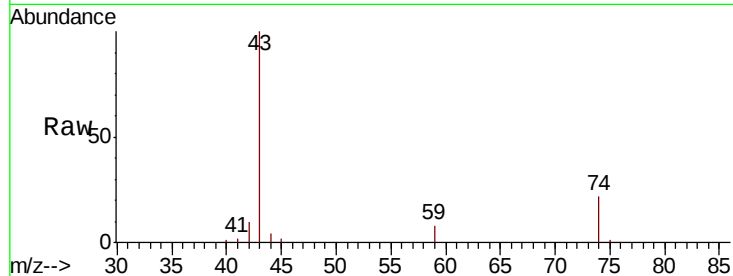




#15
Methyl Acetate
Concen: 50.889 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

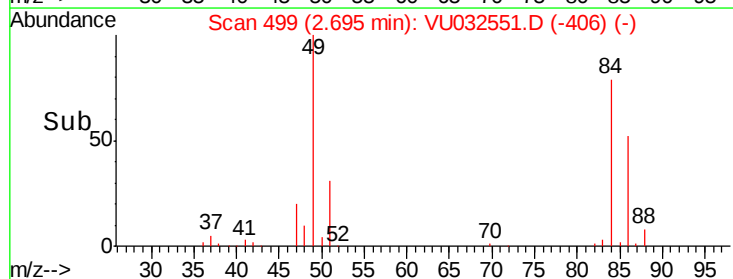
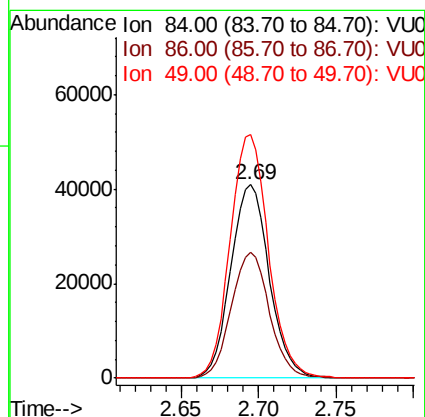
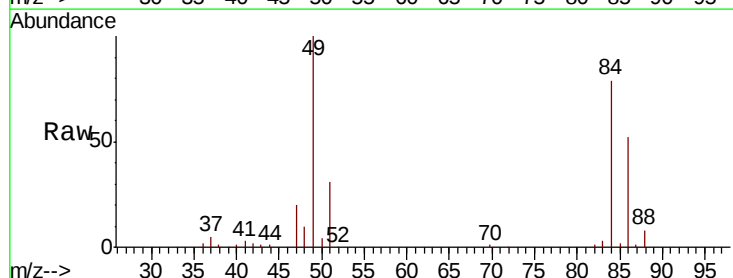
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

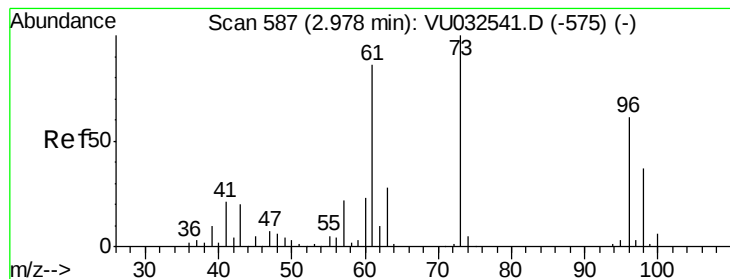
Tgt Ion: 43 Resp: 85899
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0



#16
Methylene chloride
Concen: 49.591 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

Tgt Ion: 84 Resp: 70858
Ion Ratio Lower Upper
84 100
86 65.1 44.7 82.9
49 125.9 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 49.065 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

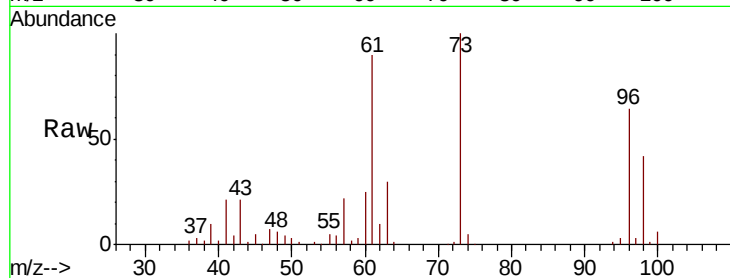
Tgt Ion: 96 Resp: 66579

Ion Ratio Lower Upper

96 100

61 141.0 95.7 177.7

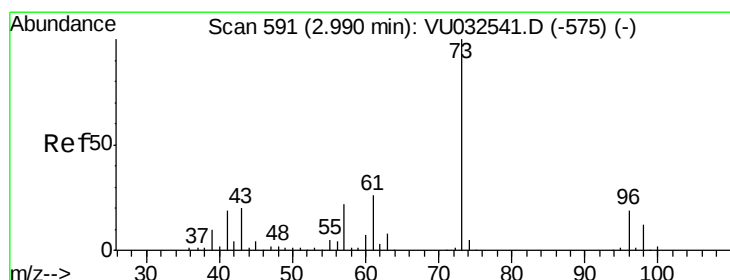
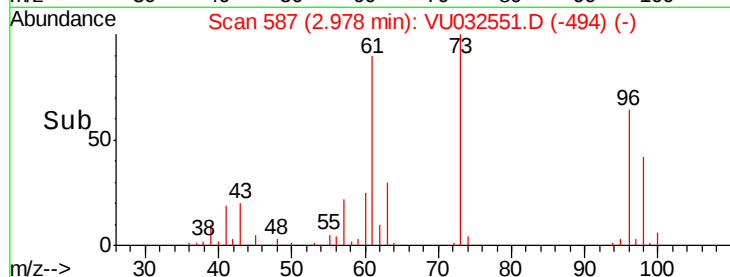
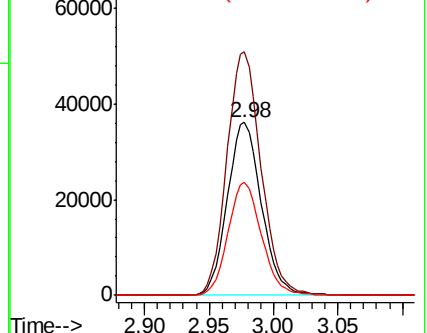
98 65.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032551.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032551.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032551.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.994 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

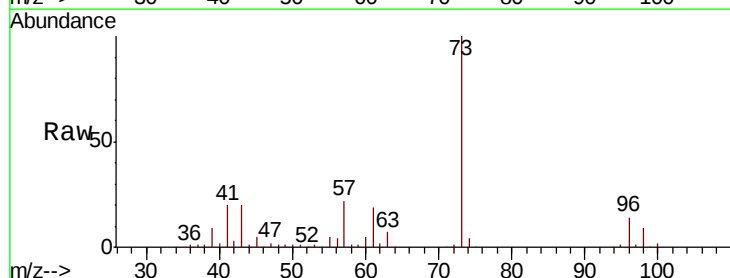
Tgt Ion: 73 Resp: 222875

Ion Ratio Lower Upper

73 100

43 20.4 15.8 23.6

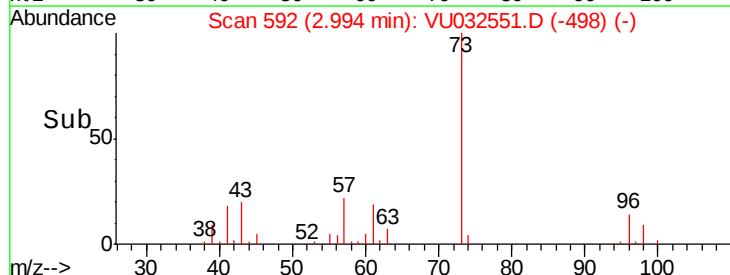
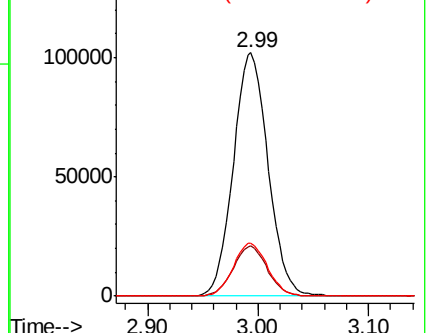
57 21.5 17.6 26.4

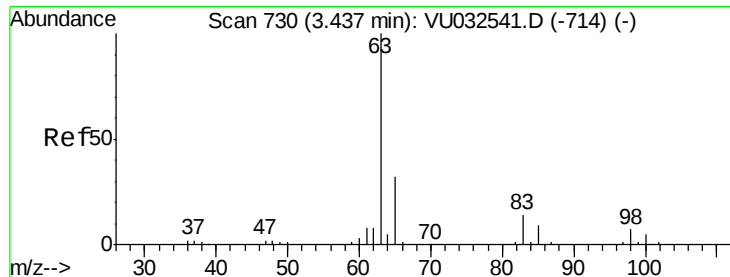


Abundance Ion 73.00 (72.70 to 73.70): VU032551.D (-498) (-)

Ion 43.00 (42.70 to 43.70): VU032551.D (-498) (-)

Ion 57.00 (56.70 to 57.70): VU032551.D (-498) (-)

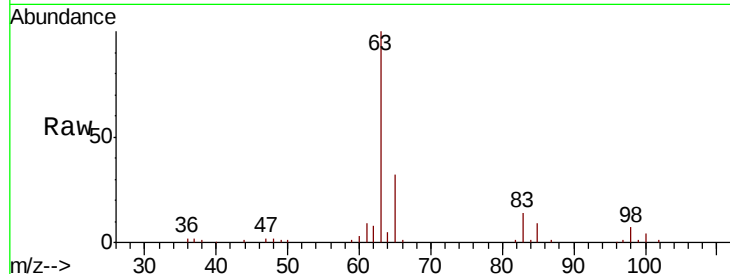




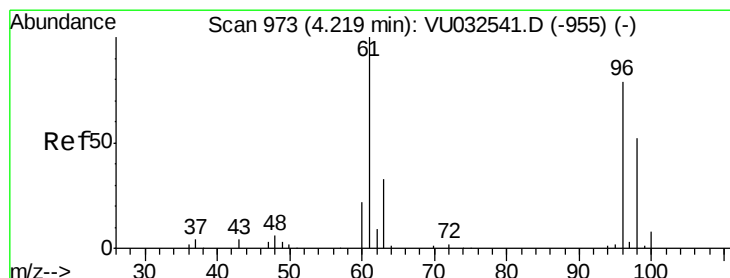
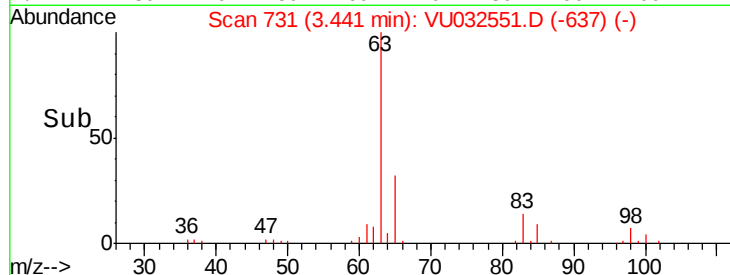
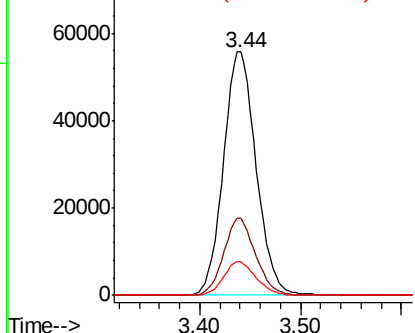
#19
 1,1-Dichloroethane
 Concen: 50.884 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tgt Ion: 63 Resp: 125875
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.8 40.6
 83 13.6 9.8 18.2

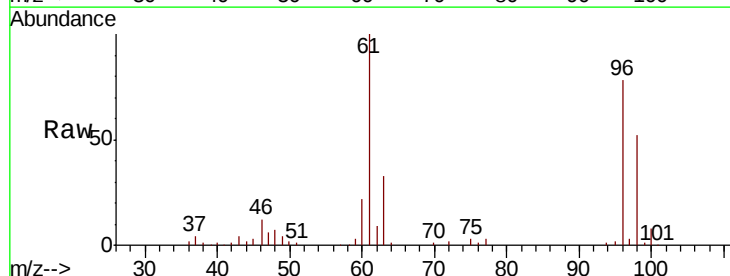


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

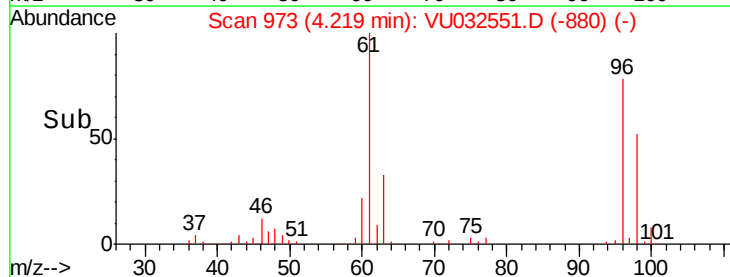
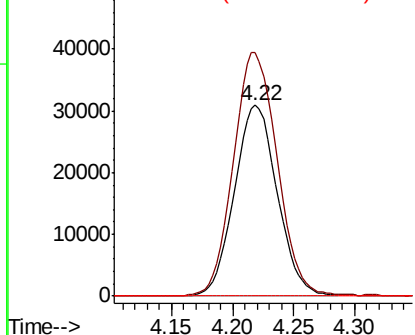


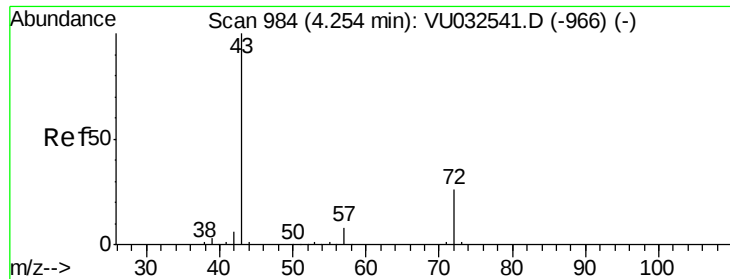
#20
 cis-1,2-Dichloroethene
 Concen: 48.956 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion: 96 Resp: 75182
 Ion Ratio Lower Upper
 96 100
 61 127.6 87.2 162.0
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 97.992 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

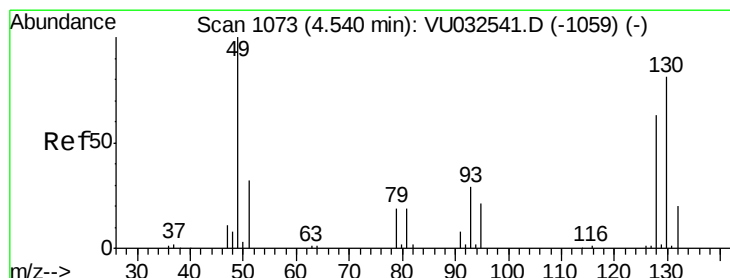
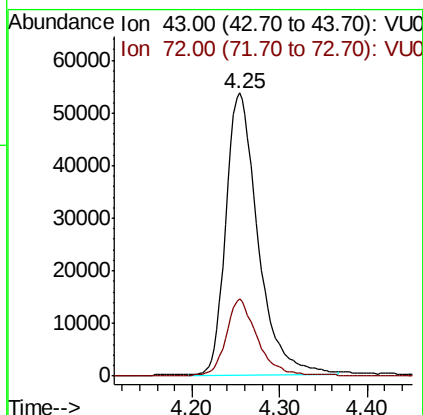
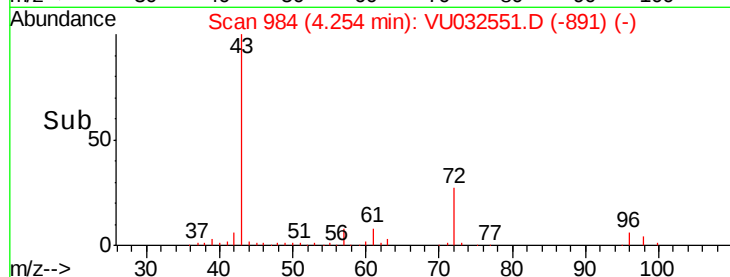
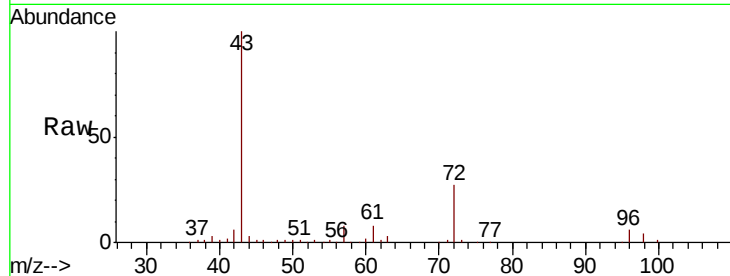
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Tgt Ion: 43 Resp: 136924

Ion Ratio Lower Upper

43 100

72 27.0 13.1 39.3



#23

Bromochloromethane

Concen: 48.973 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Tgt Ion: 128 Resp: 39105

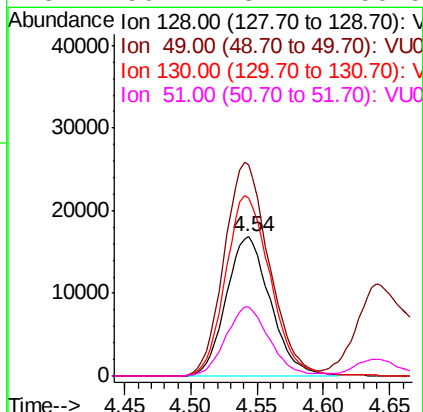
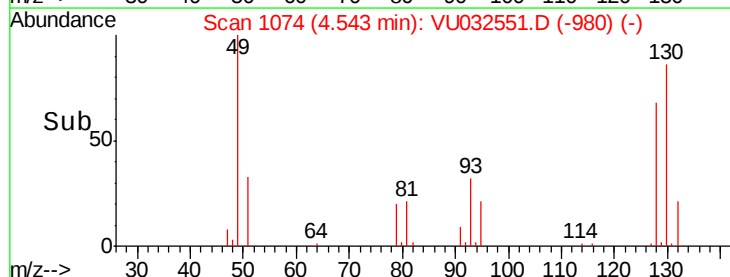
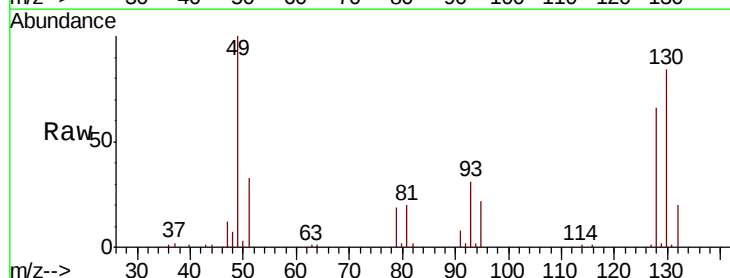
Ion Ratio Lower Upper

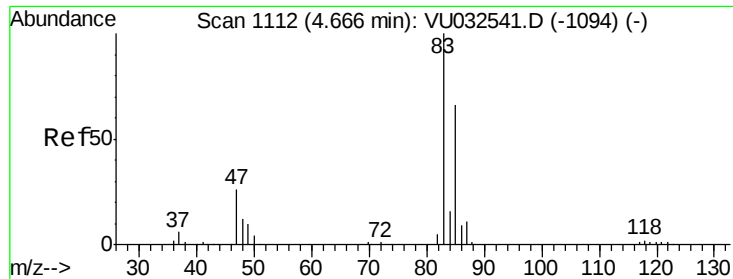
128 100

49 152.3 103.7 192.5

130 127.7 92.2 171.2

51 50.2 37.7 56.5

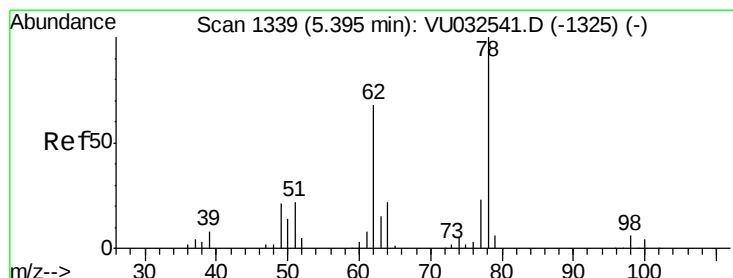
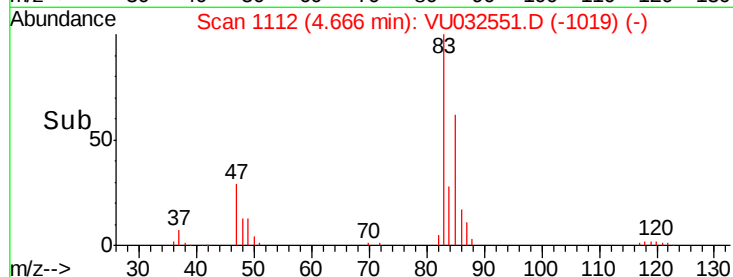
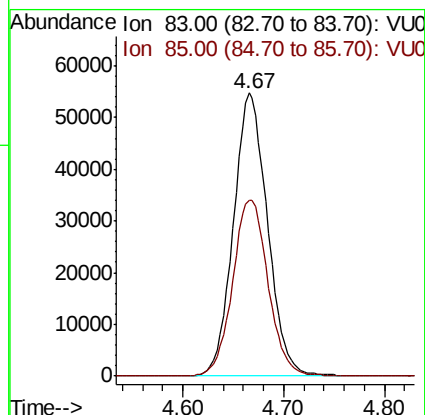
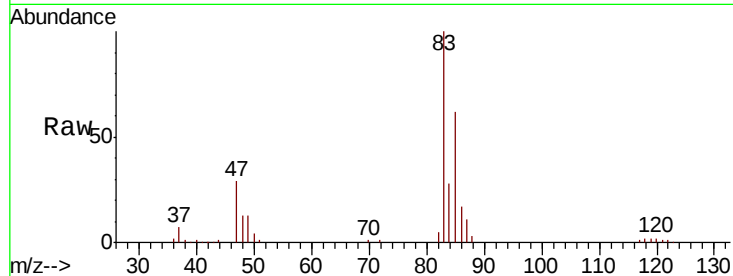




#25
Chloroform
Concen: 50.246 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

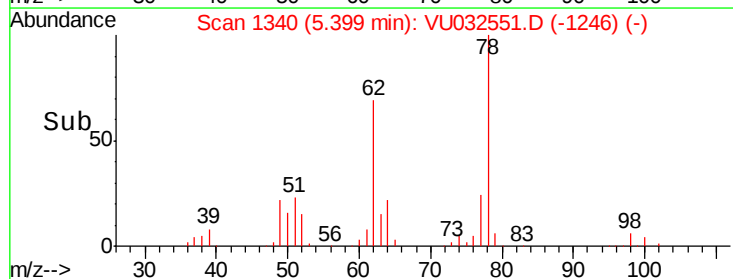
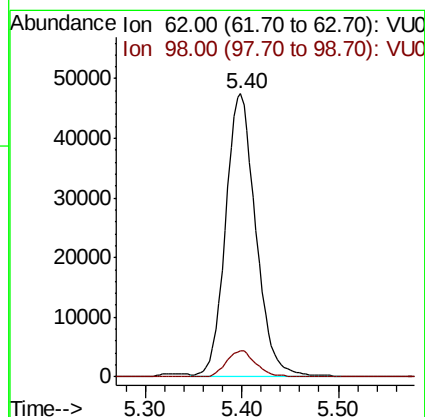
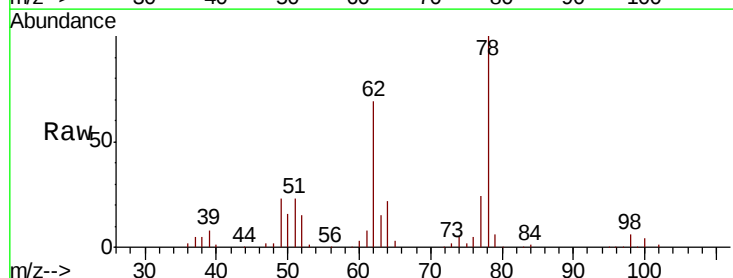
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

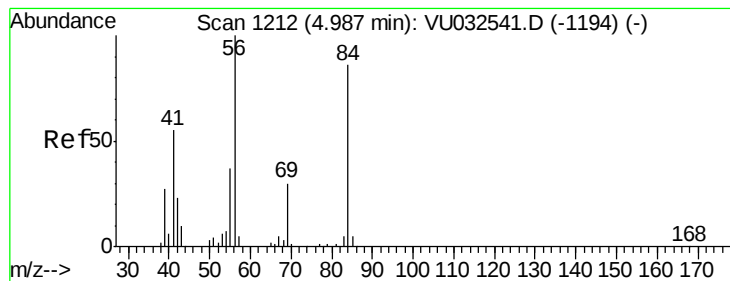
Tgt Ion: 83 Resp: 128266
Ion Ratio Lower Upper
83 100
85 62.2 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.546 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

Tgt Ion: 62 Resp: 102005
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 49.035 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

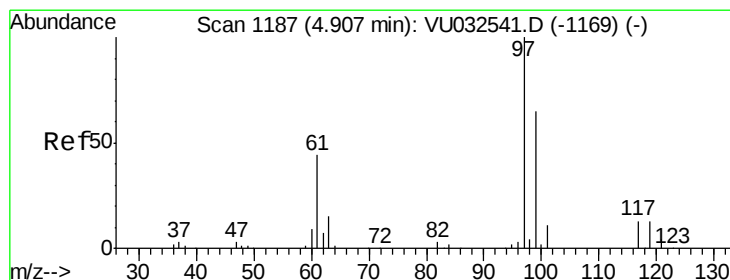
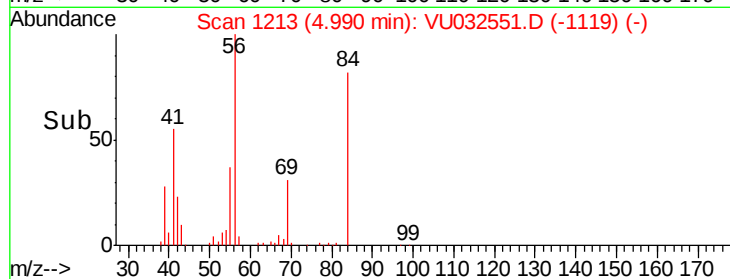
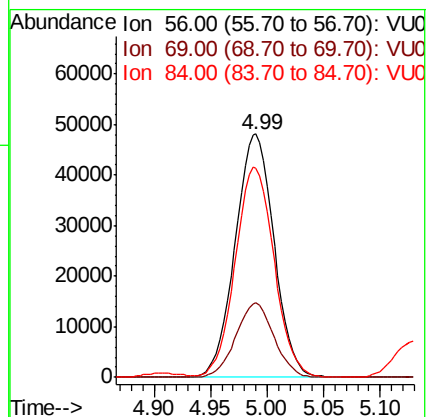
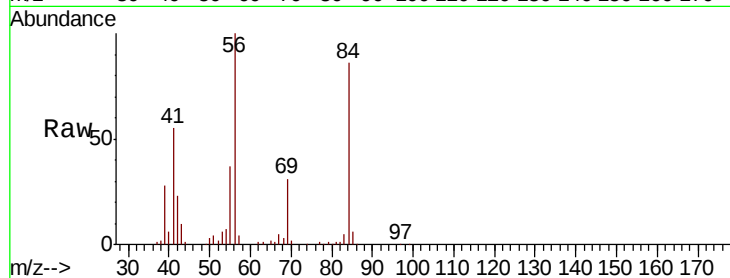
Tgt Ion: 56 Resp: 115112

Ion Ratio Lower Upper

56 100

69 30.2 24.7 37.1

84 86.5 69.0 103.4



#30

1,1,1-Trichloroethane

Concen: 49.851 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

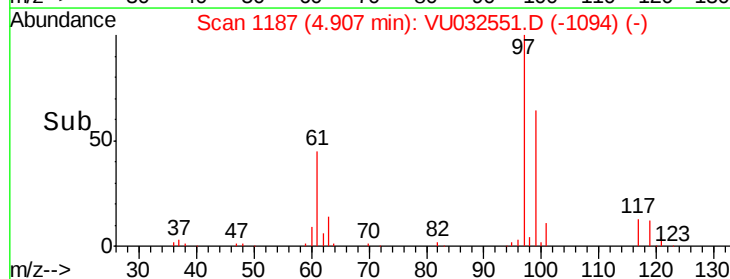
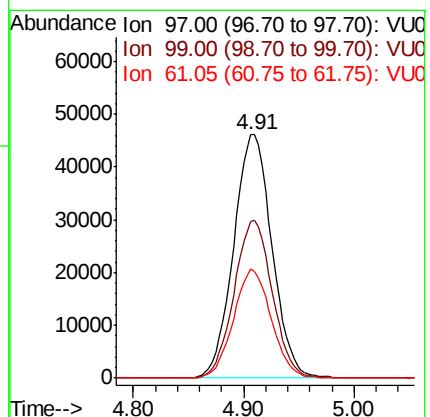
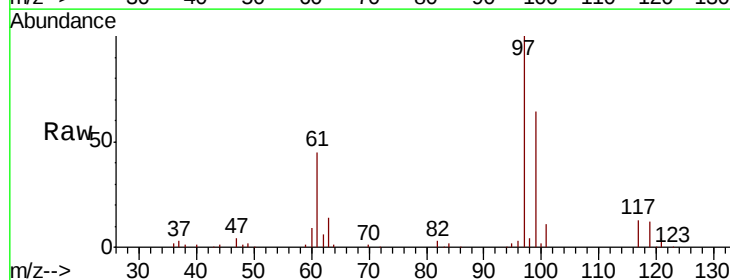
Tgt Ion: 97 Resp: 111380

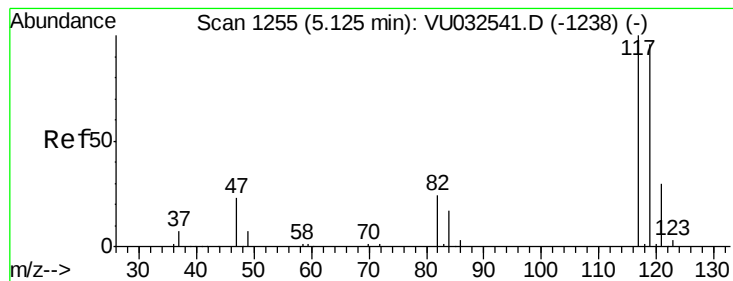
Ion Ratio Lower Upper

97 100

99 64.3 50.5 75.7

61 44.1 33.8 50.6





#31

Carbon tetrachloride

Concen: 49.763 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

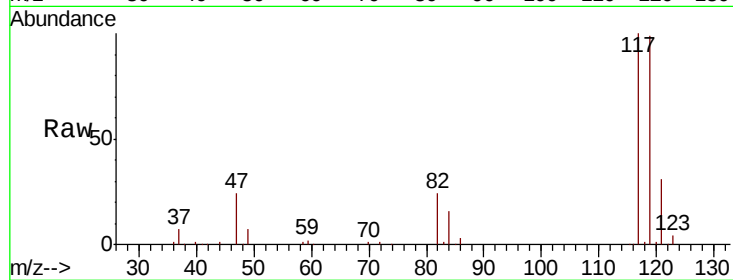
VSTD05039

Tgt Ion:117 Resp: 101903

Ion Ratio Lower Upper

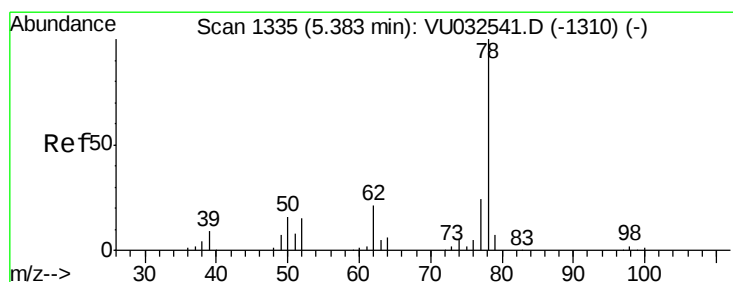
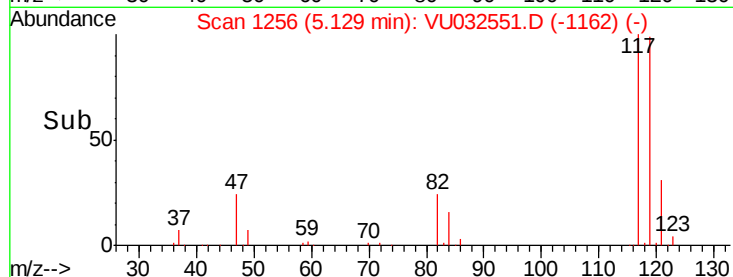
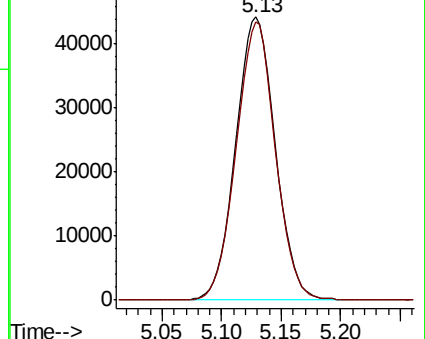
117 100

119 97.1 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.625 ug/L

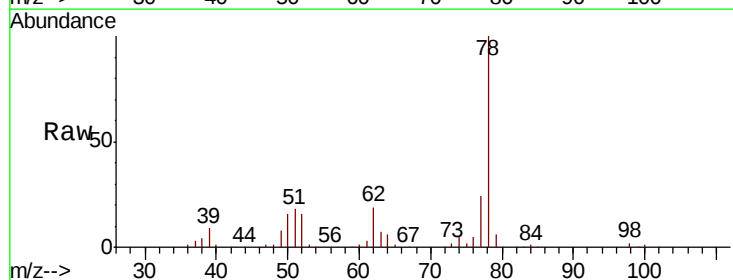
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

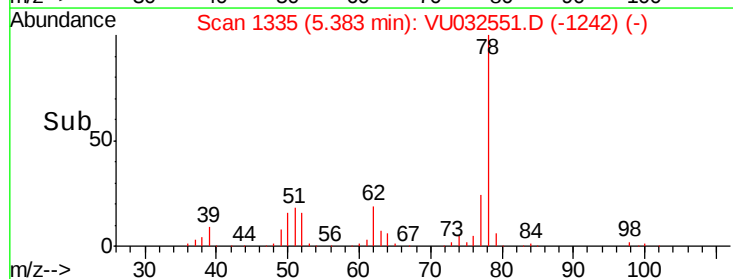
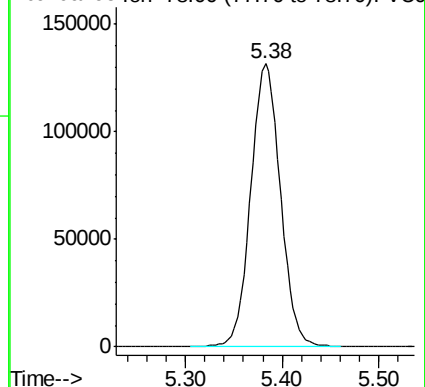
Lab File: VU032551.D

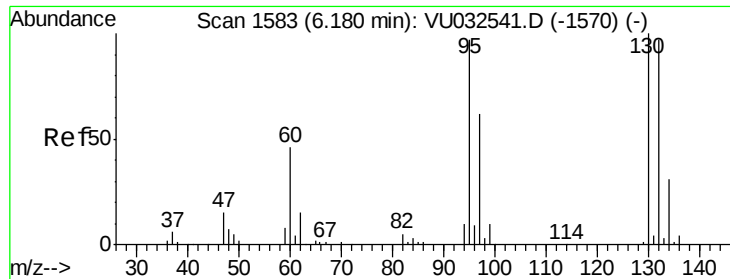
Acq: 08 Jun 2019 19:20

Tgt Ion: 78 Resp: 280729



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.075 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

Tgt Ion: 95 Resp: 75547

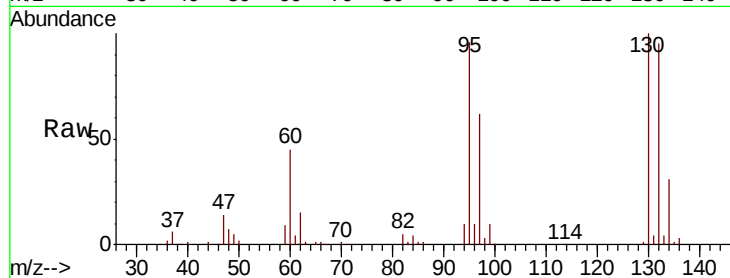
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.2

132 98.6 71.0 131.8

130 104.3 73.4 136.2

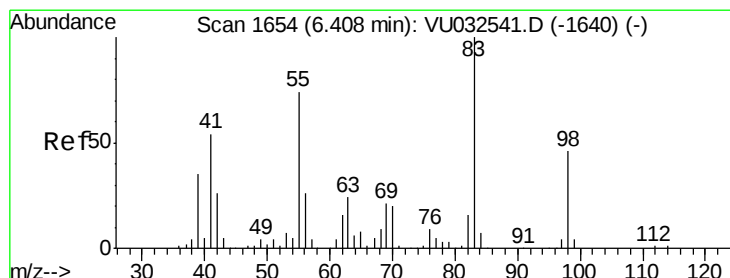
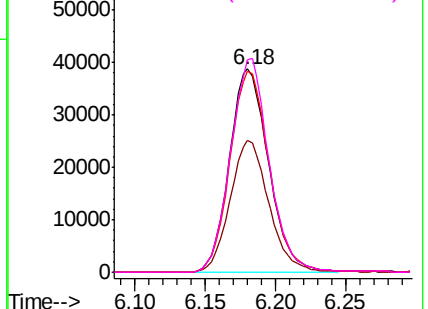
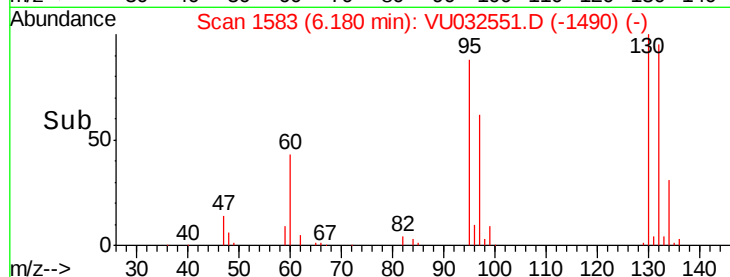


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 47.944 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

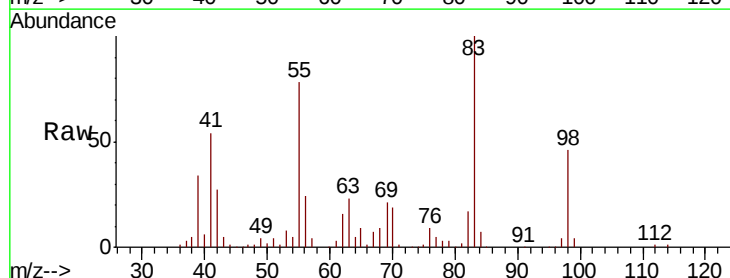
Tgt Ion: 83 Resp: 117096

Ion Ratio Lower Upper

83 100

55 76.7 60.2 90.4

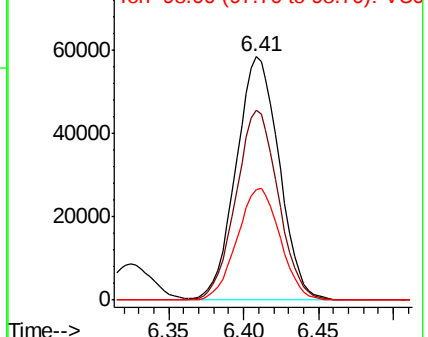
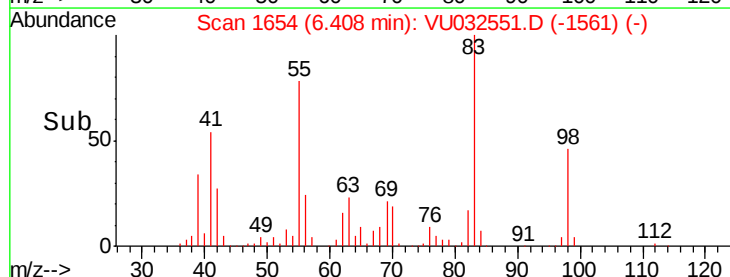
98 45.8 37.4 56.2

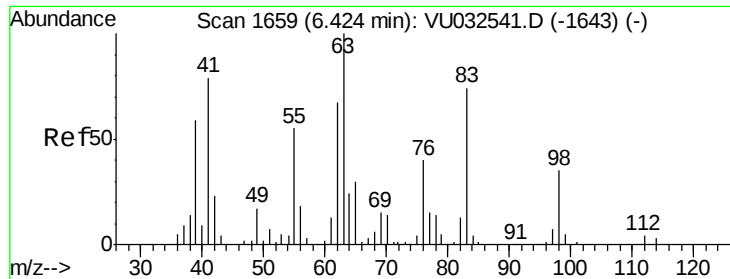


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

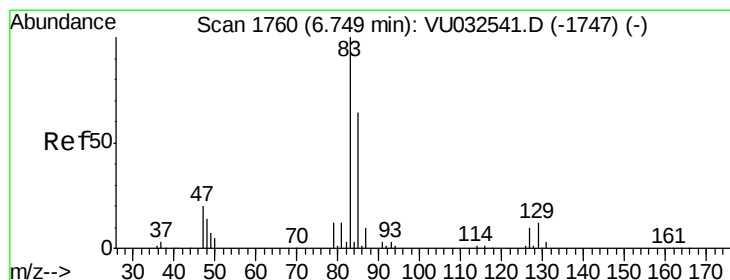
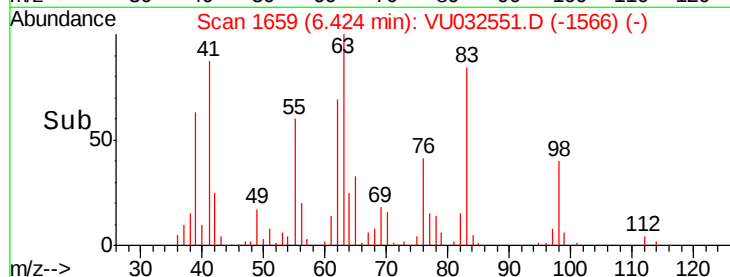
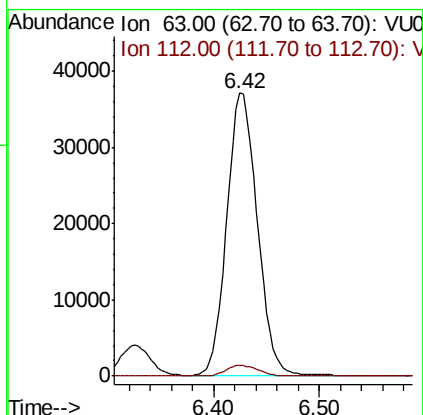
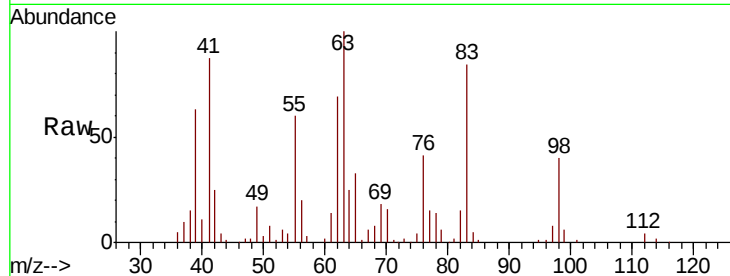




#37
 1,2-Dichloropropane
 Concen: 50.939 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

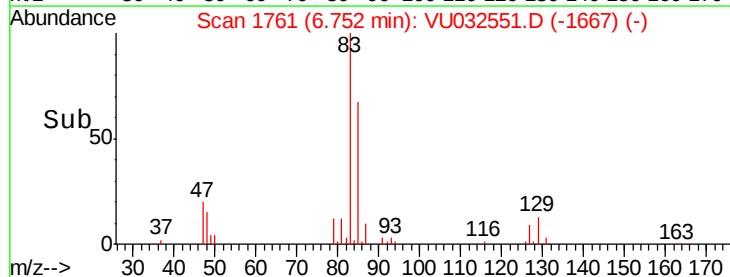
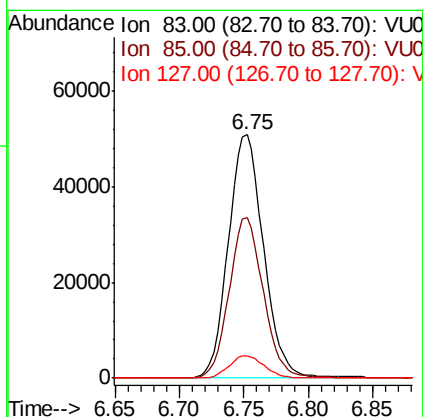
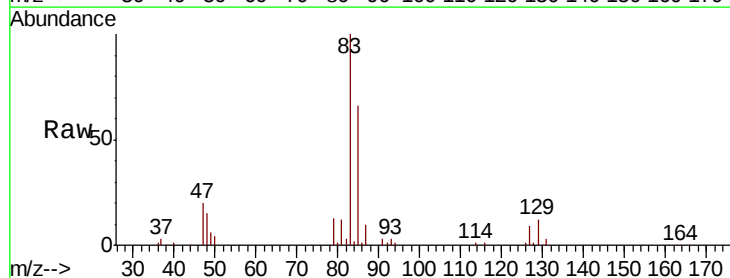
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

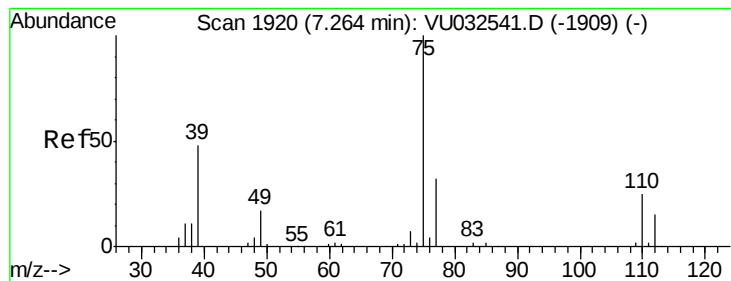
Tgt Ion: 63 Resp: 74880
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 51.002 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion: 83 Resp: 96535
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.4 84.4
 127 9.0 7.4 11.2



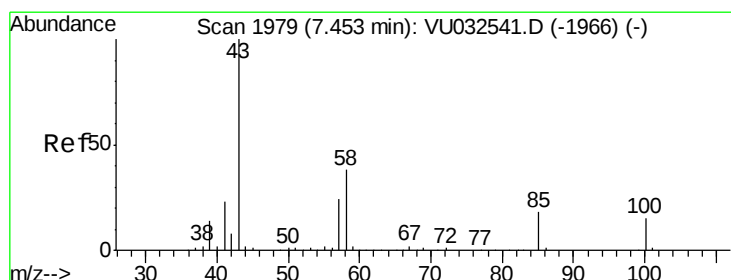
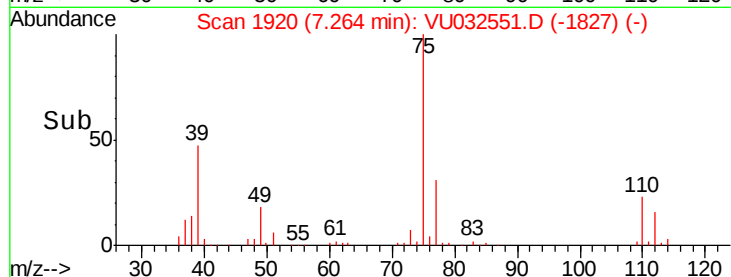
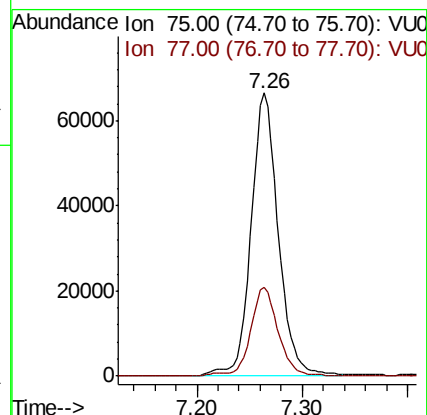
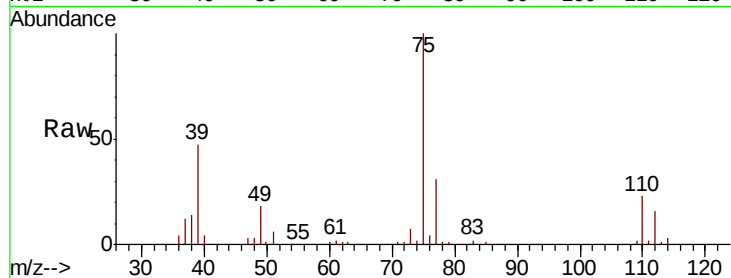


#39

cis-1,3-Dichloropropene
Concen: 51.692 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

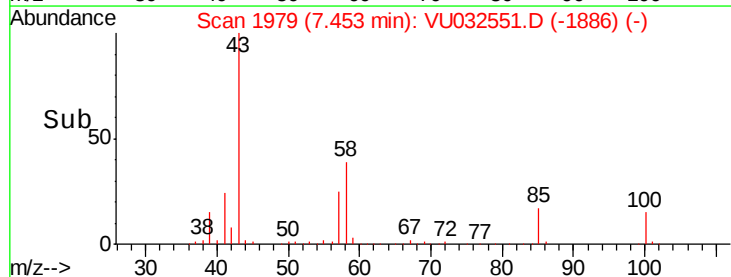
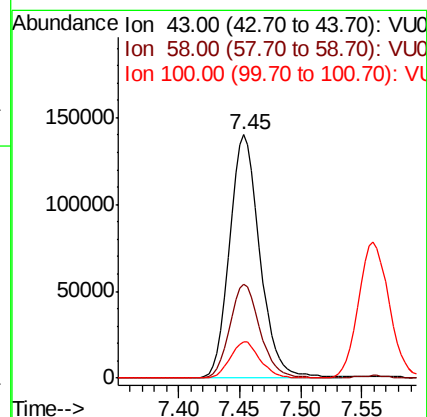
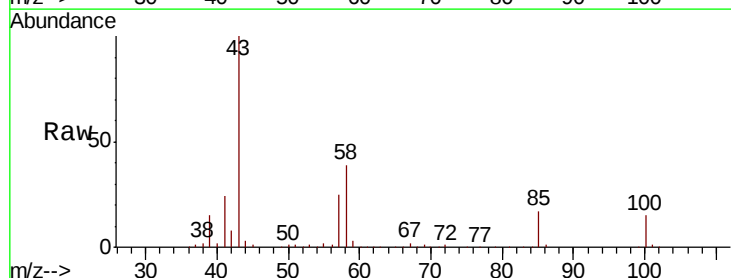
Tgt Ion: 75 Resp: 119889
Ion Ratio Lower Upper
75 100
77 31.3 22.0 41.0

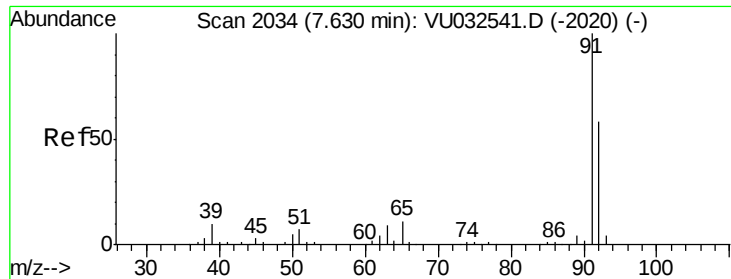


#40

4-Methyl-2-pentanone
Concen: 103.309 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.00 min
Lab File: VU032551.D
Acq: 08 Jun 2019 19:20

Tgt Ion: 43 Resp: 244311
Ion Ratio Lower Upper
43 100
58 38.6 30.8 46.2
100 14.8 12.1 18.1





#42

Toluene

Concen: 49.789 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

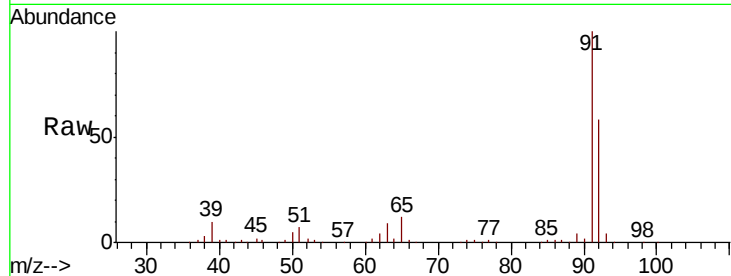
VSTD05039

Tgt Ion: 91 Resp: 302370

Ion Ratio Lower Upper

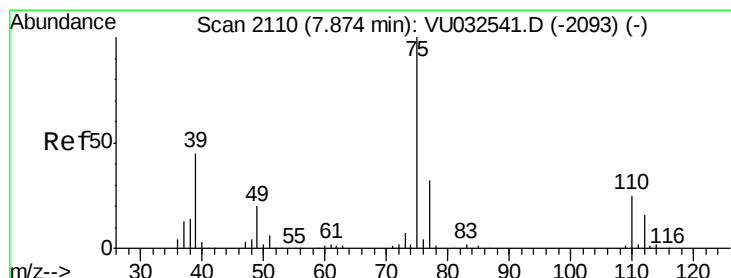
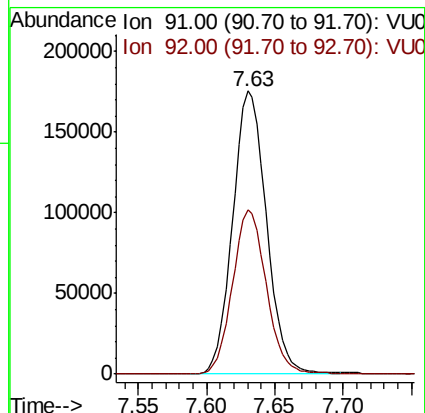
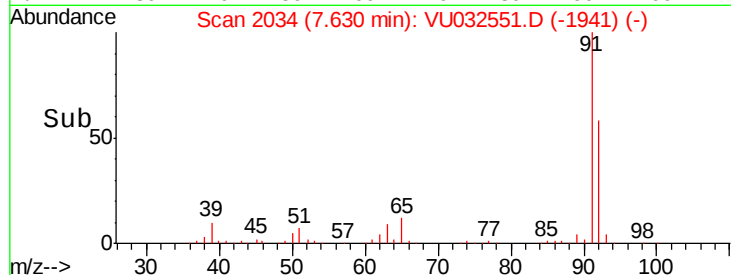
91 100

92 58.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032551.D (-1941) (-)

Ion 92.00 (91.70 to 92.70): VU032551.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 51.418 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032551.D

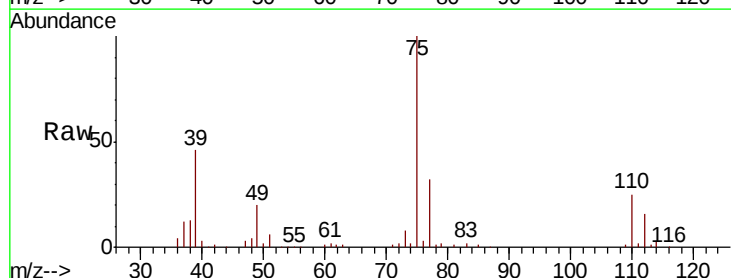
Acq: 08 Jun 2019 19:20

Tgt Ion: 75 Resp: 105848

Ion Ratio Lower Upper

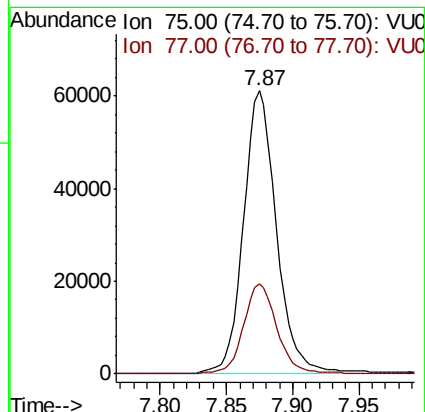
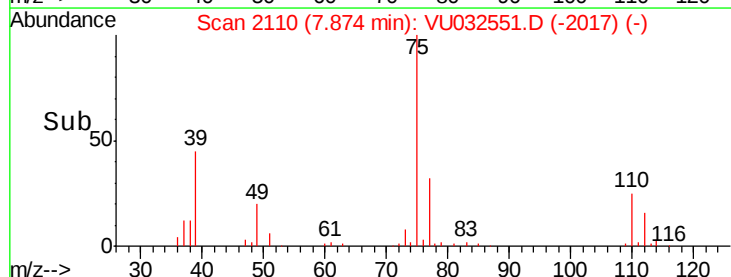
75 100

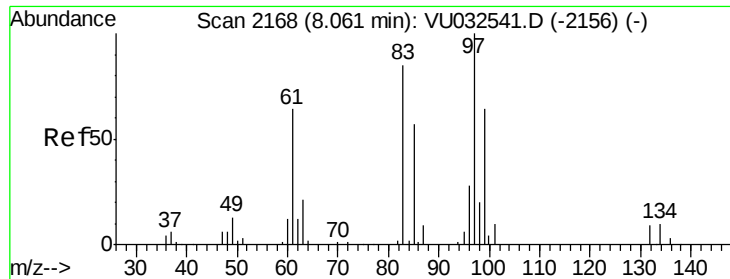
77 31.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032551.D (-2177) (-)

Ion 77.00 (76.70 to 77.70): VU032551.D (-2177) (-)

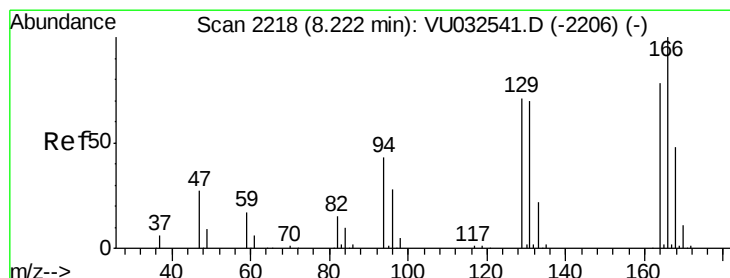
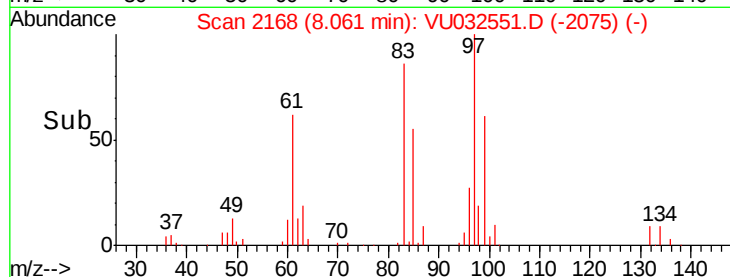
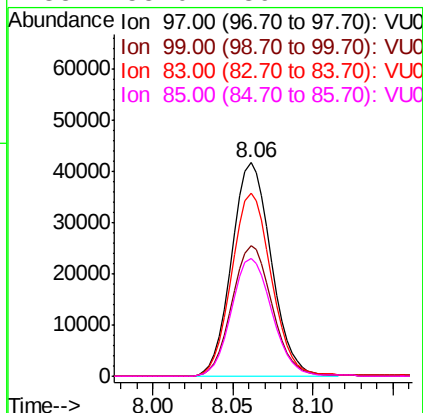
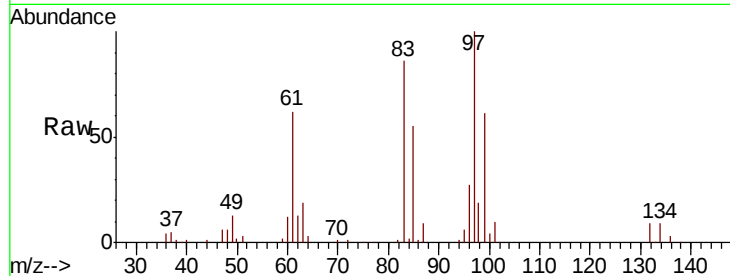




#45
 1,1,2-Trichloroethane
 Concen: 51.042 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

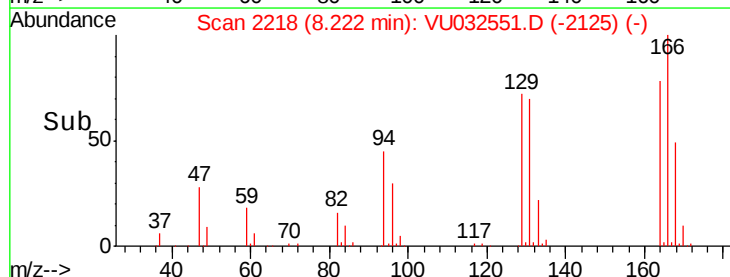
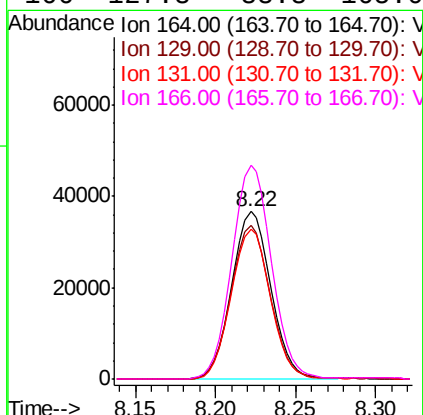
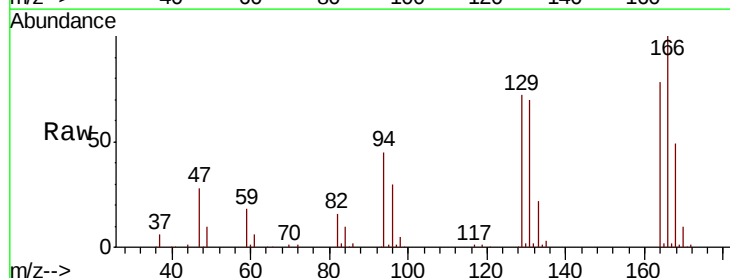
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

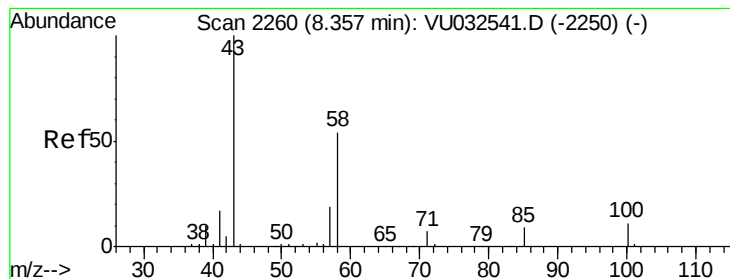
Tgt Ion:	97	Resp:	70952
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.1	81.9
83	85.8	59.4	110.2
85	55.0	39.1	72.7



#46
 Tetrachloroethene
 Concen: 49.188 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion:	164	Resp:	61290
Ion	Ratio	Lower	Upper
164	100		
129	91.7	65.3	121.3
131	89.8	64.0	119.0
166	127.8	88.8	165.0





#48

2-Hexanone

Concen: 103.606 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

Tgt Ion: 43 Resp: 201242

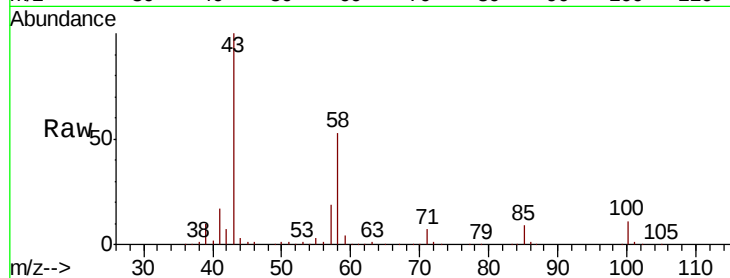
Ion Ratio Lower Upper

43 100

58 52.0 42.0 63.0

57 17.6 14.6 22.0

100 11.0 9.2 13.8

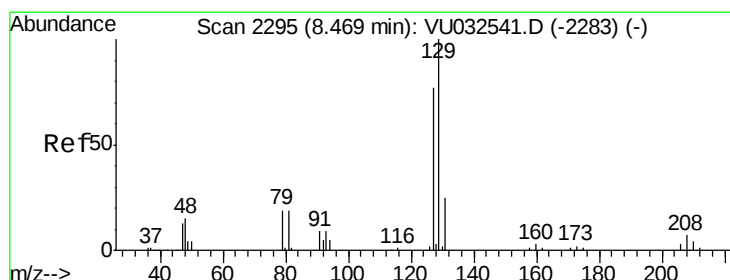
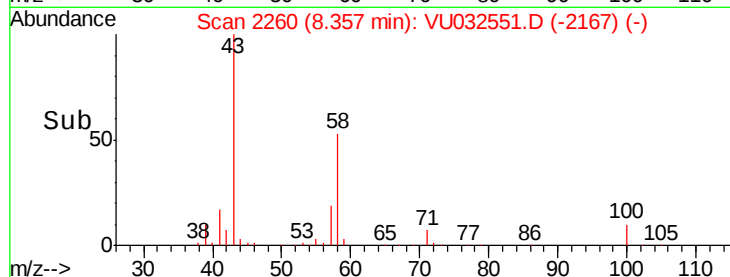
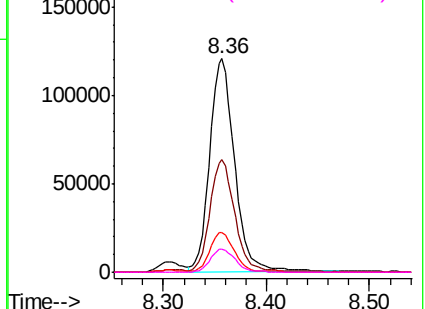


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 50.728 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU032551.D

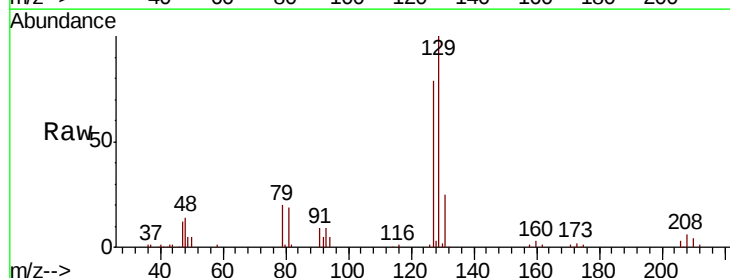
Acq: 08 Jun 2019 19:20

Tgt Ion: 129 Resp: 81963

Ion Ratio Lower Upper

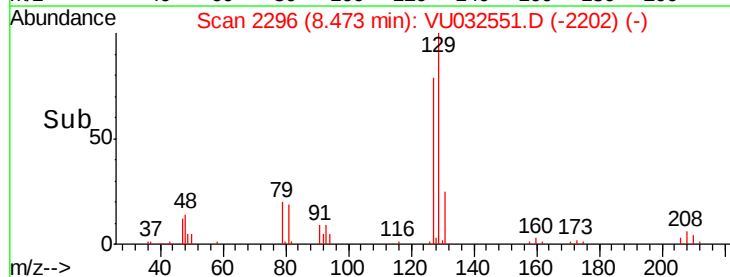
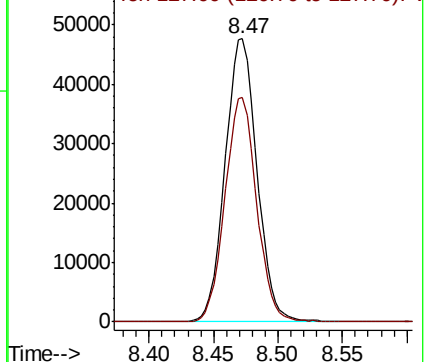
129 100

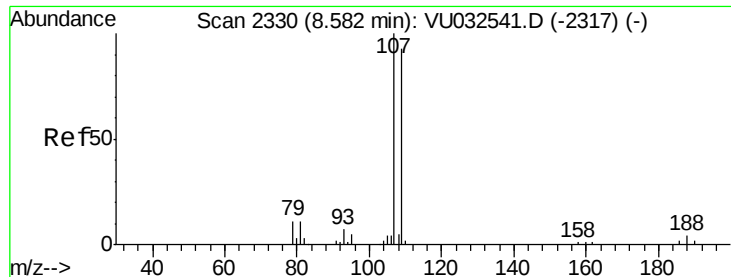
127 79.4 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

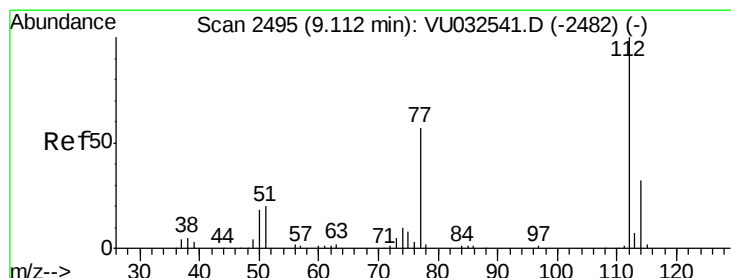
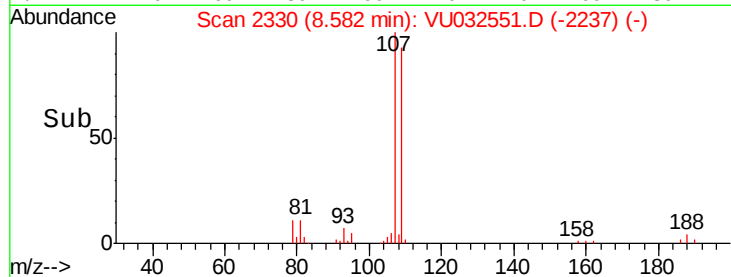
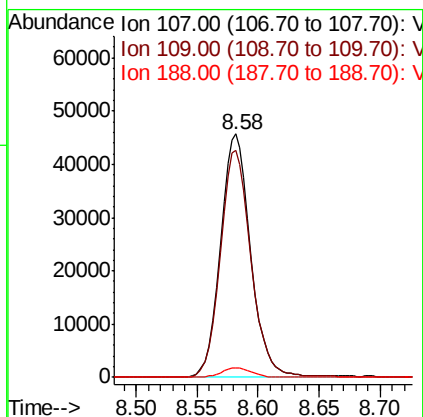
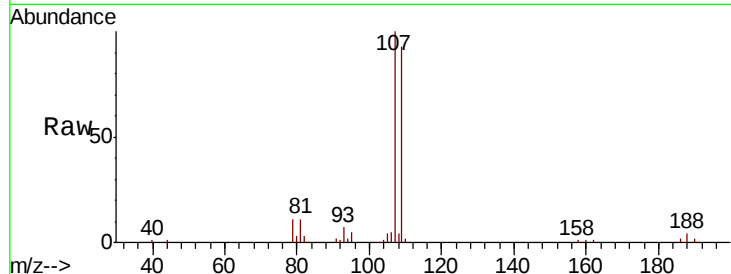




#50
 1,2-Dibromoethane
 Concen: 50.706 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

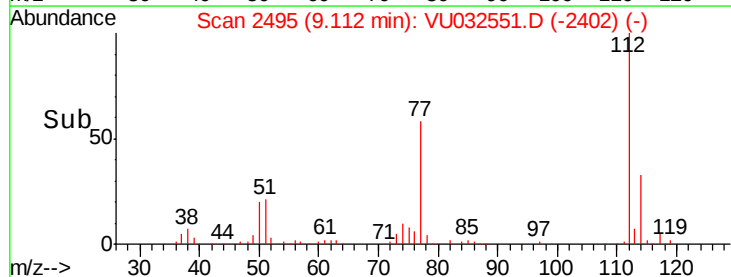
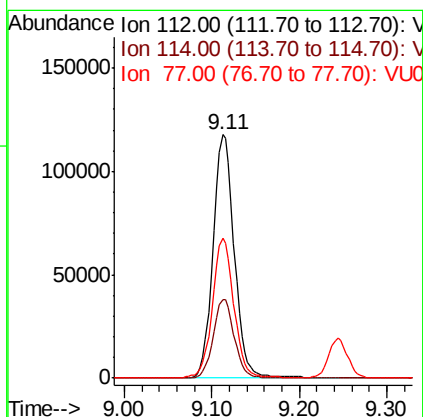
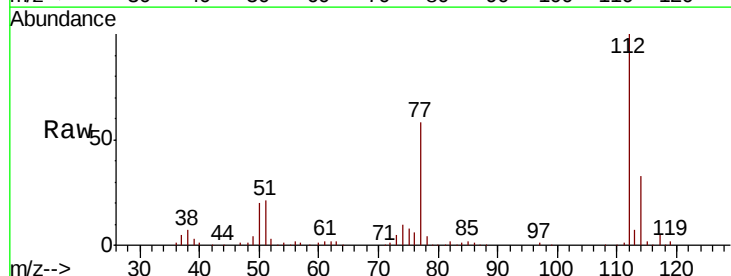
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

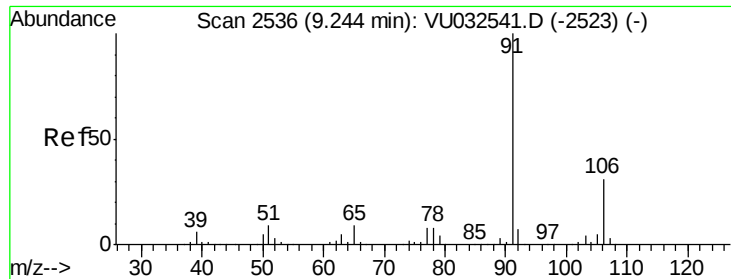
Tgt Ion:107 Resp: 79337
 Ion Ratio Lower Upper
 107 100
 109 93.4 66.8 124.0
 188 4.0 3.1 4.7



#51
 Chlorobenzene
 Concen: 50.835 ug/L
 RT: 9.11 min Scan# 2495
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion:112 Resp: 198901
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.6 42.0
 77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 50.239 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

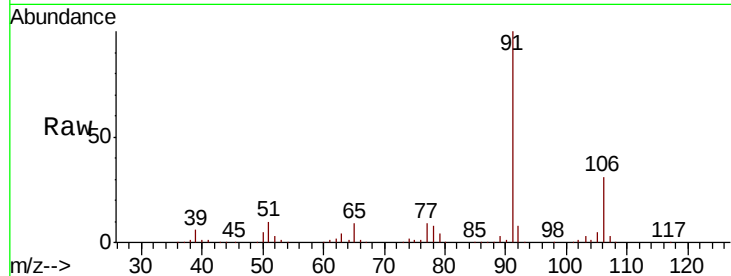
VSTD05039

Tgt Ion: 91 Resp: 340085

Ion Ratio Lower Upper

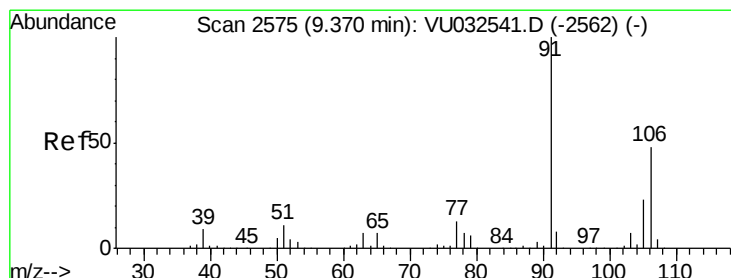
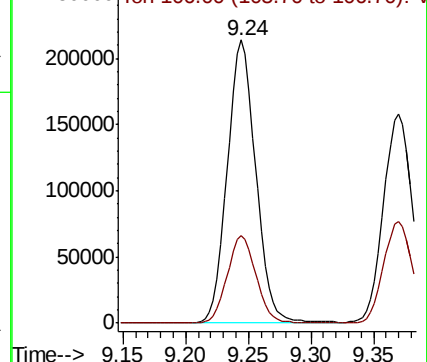
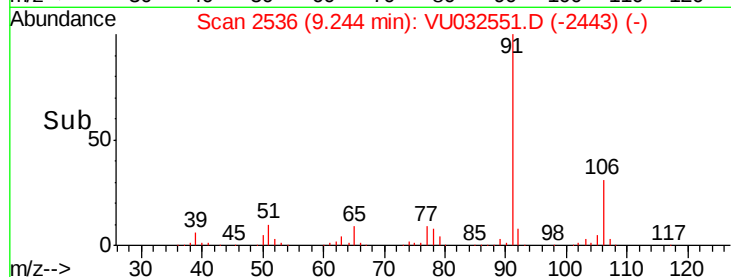
91 100

106 31.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032551.D (-2443) (-)

Ion 106.00 (105.70 to 106.70): VU032551.D (-2443) (-)



#53

m,p-Xylene

Concen: 49.404 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032551.D

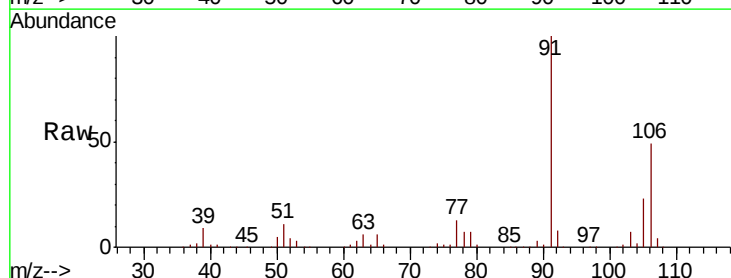
Acq: 08 Jun 2019 19:20

Tgt Ion: 106 Resp: 127168

Ion Ratio Lower Upper

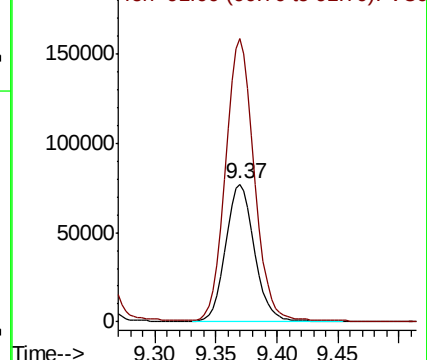
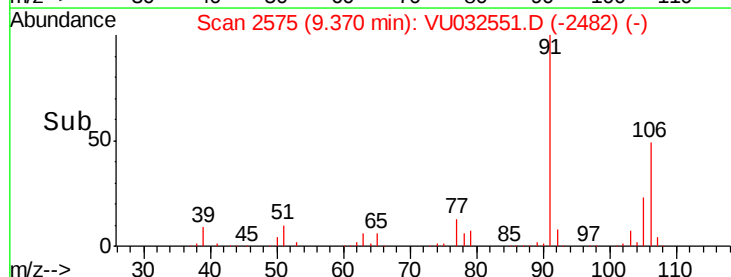
106 100

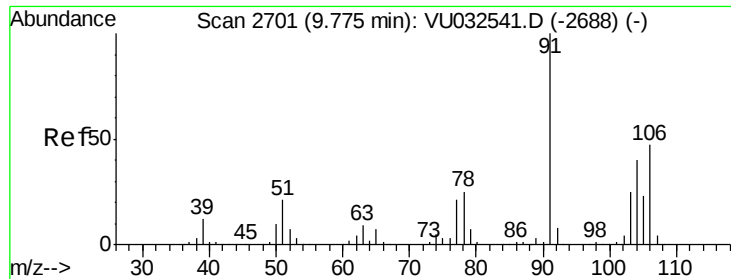
91 205.2 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032551.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU032551.D (-2482) (-)





#54

o-xylene

Concen: 49.894 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

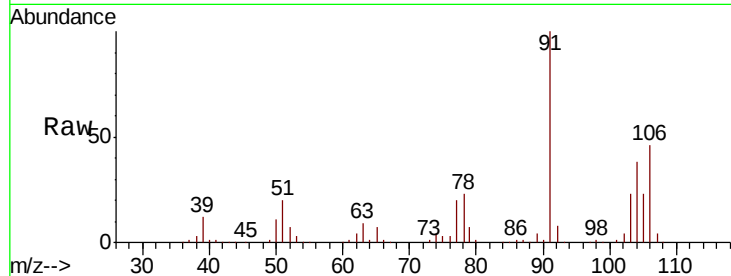
VSTD05039

Tgt Ion:106 Resp: 127517

Ion Ratio Lower Upper

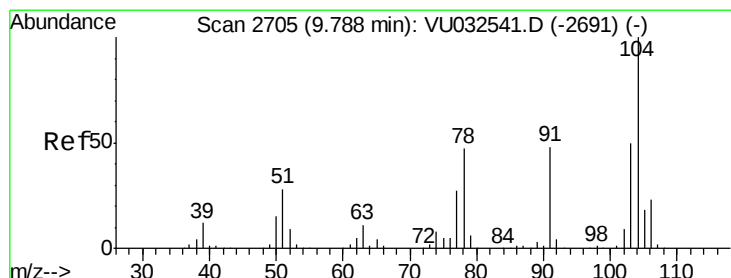
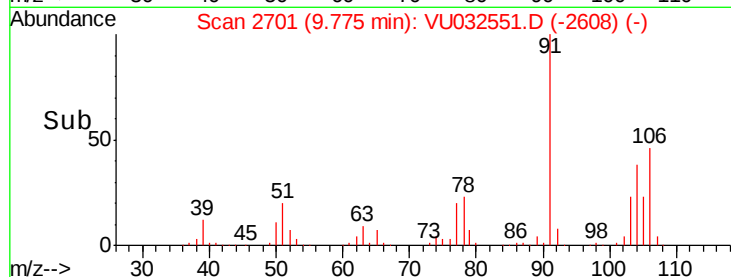
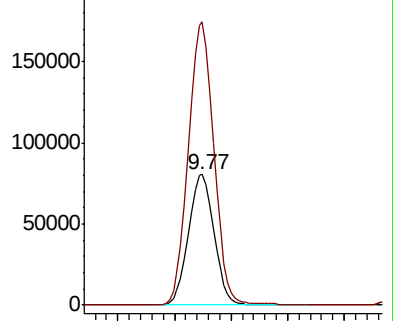
106 100

91 216.3 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.480 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032551.D

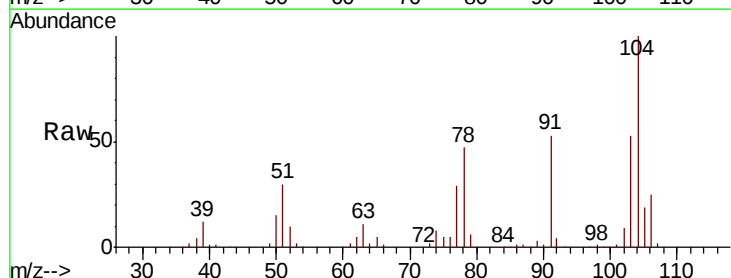
Acq: 08 Jun 2019 19:20

Tgt Ion:104 Resp: 215380

Ion Ratio Lower Upper

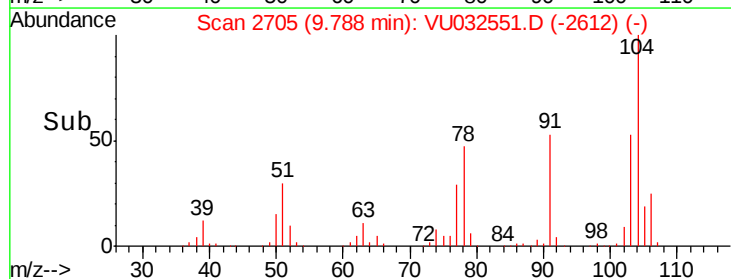
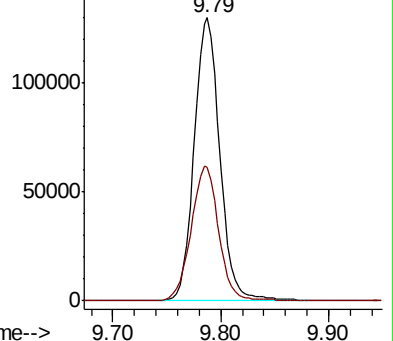
104 100

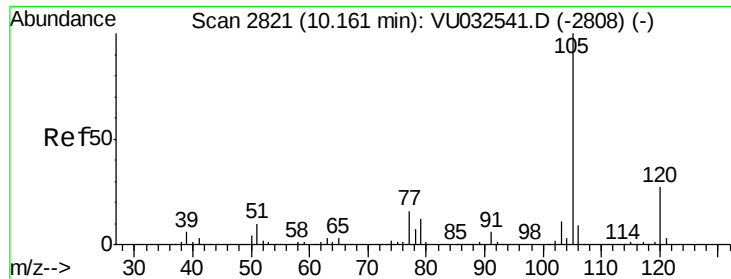
78 47.2 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 49.754 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

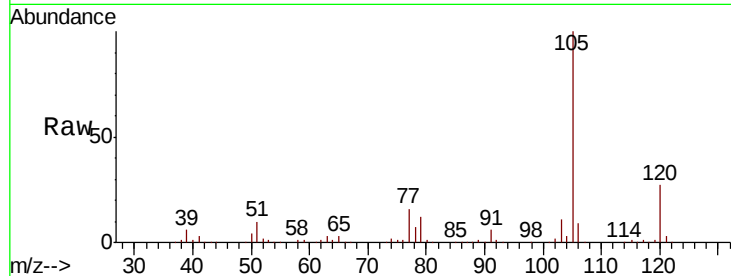
Tgt Ion: 105 Resp: 335301

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

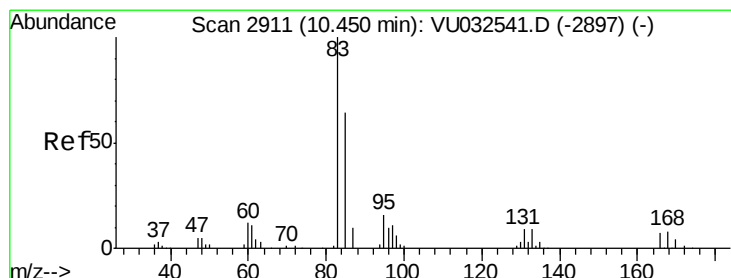
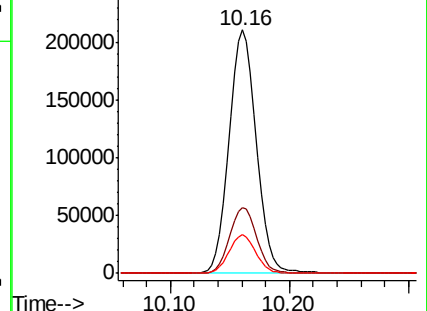
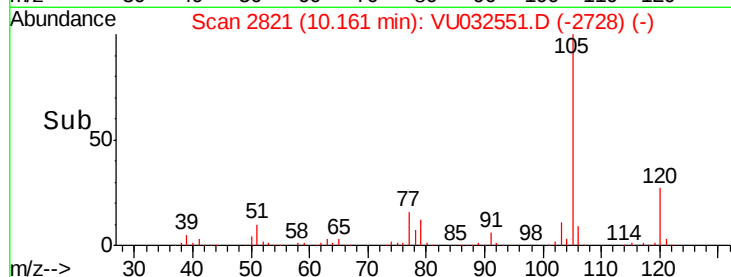
77 15.7 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.034 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

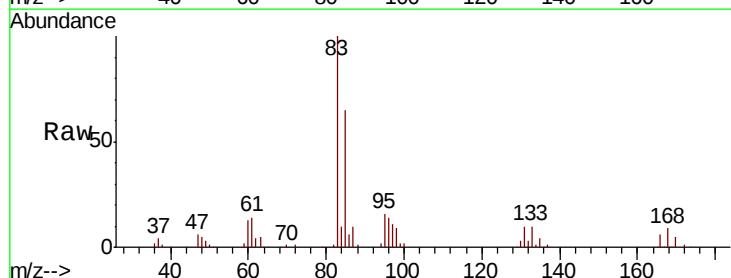
Tgt Ion: 83 Resp: 121247

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7

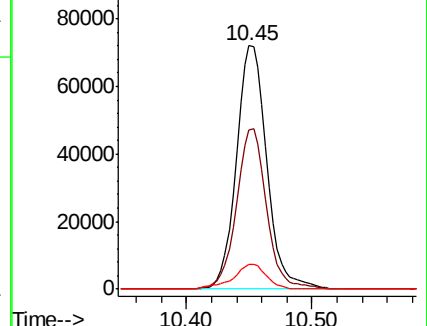
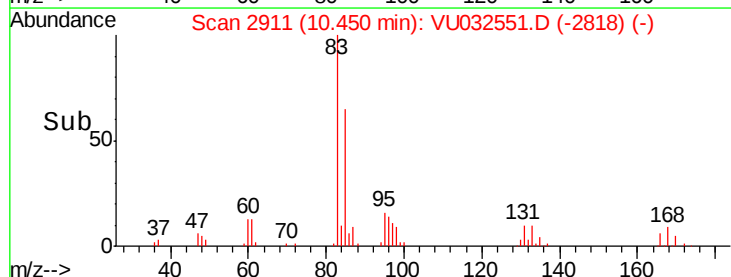
131 10.1 7.9 11.9

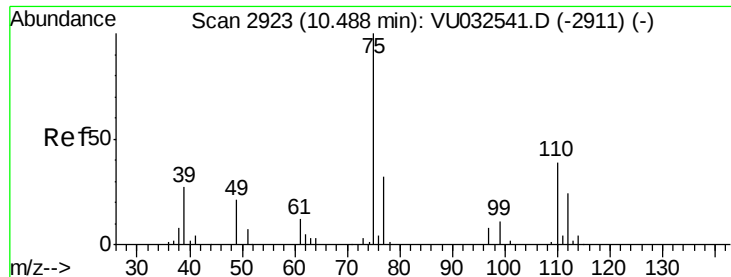


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

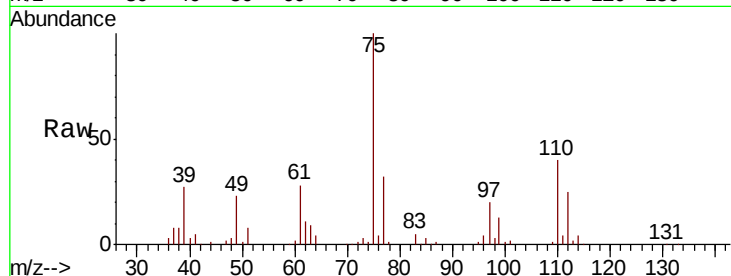




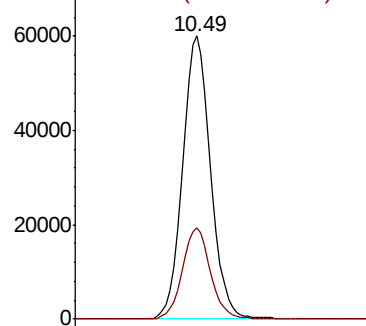
#59
 1,2,3-Trichloropropane
 Concen: 50.477 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

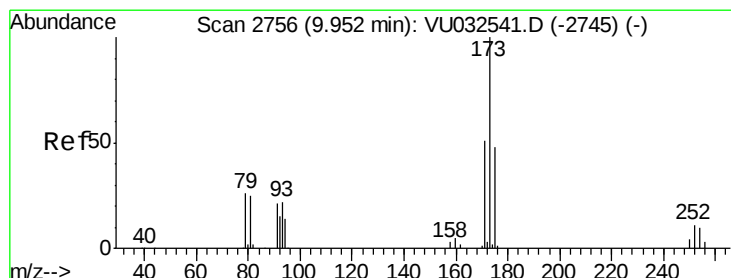
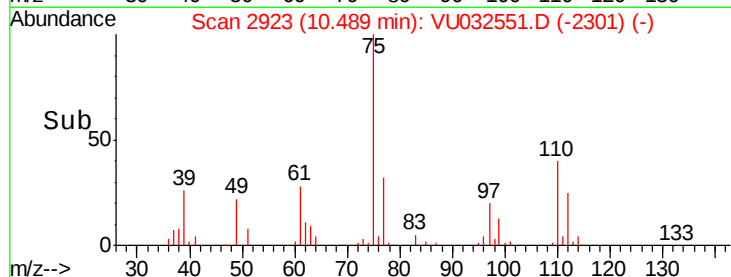
Tgt Ion: 75 Resp: 96458
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032541.D (-2911) (-)
 Ion 77.00 (76.70 to 77.70): VU032541.D (-2911) (-)

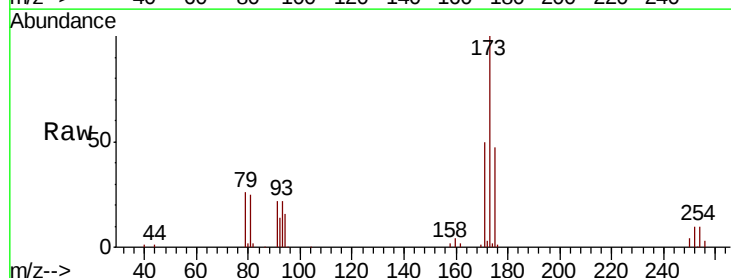


Time--> 10.40 10.50 10.60

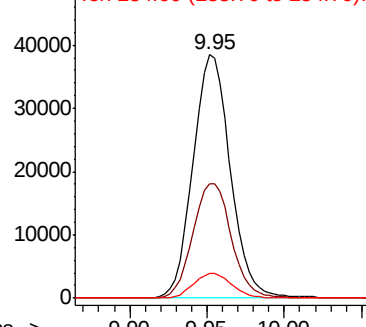


#61
 Bromoform
 Concen: 50.824 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

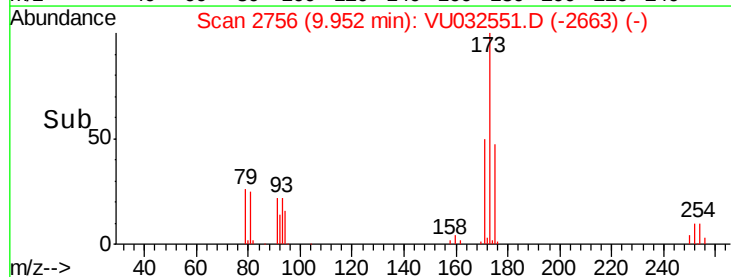
Tgt Ion: 173 Resp: 64425
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.7 59.5
 254 10.4 7.8 11.8

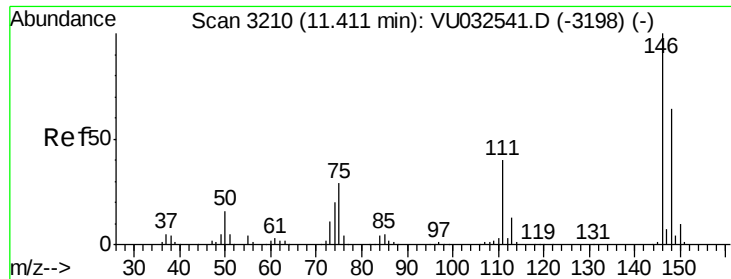


Abundance Ion 173.00 (172.70 to 173.70): VU032541.D (-2745) (-)
 Ion 175.00 (174.70 to 175.70): VU032541.D (-2745) (-)
 Ion 254.00 (253.70 to 254.70): VU032541.D (-2745) (-)



Time--> 9.90 9.95 10.00

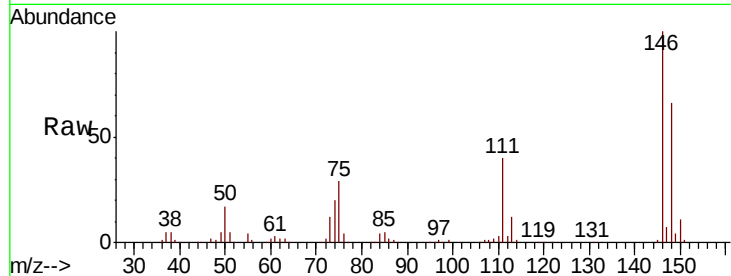




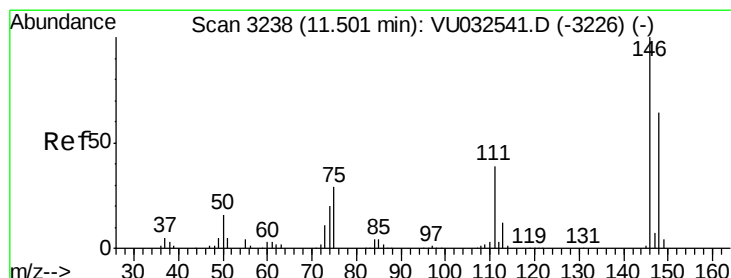
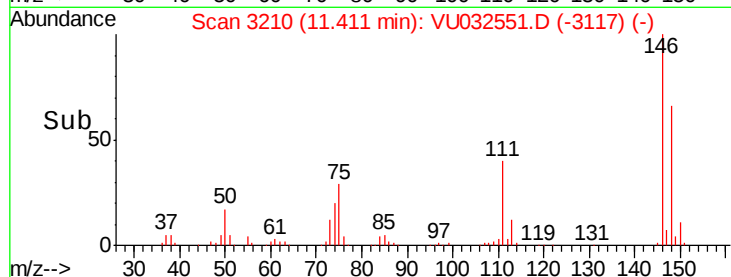
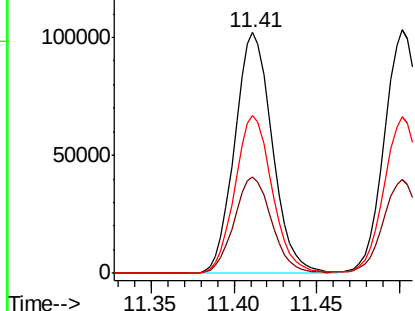
#62
 1,3-Dichlorobenzene
 Concen: 50.005 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tgt Ion:146 Resp: 160844
 Ion Ratio Lower Upper
 146 100
 111 40.0 27.3 50.7
 148 65.7 44.4 82.5

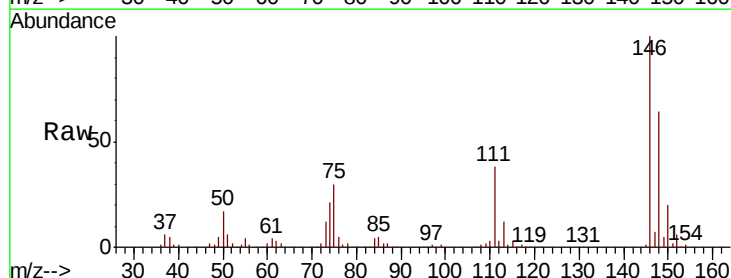


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

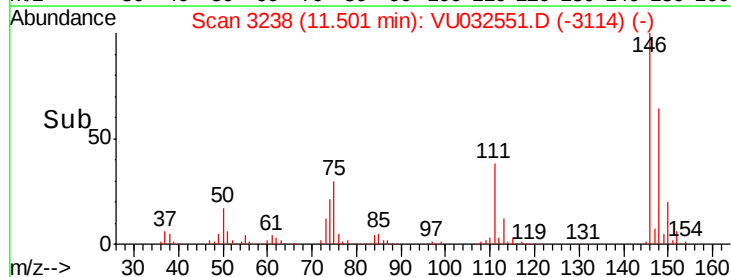
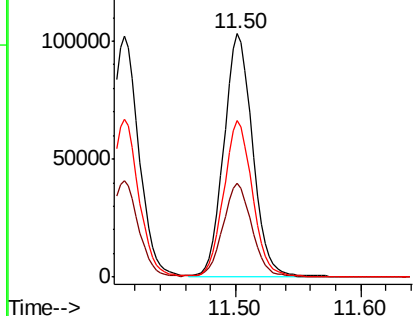


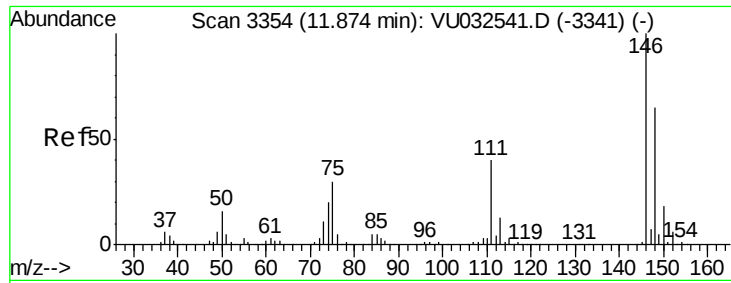
#63
 1,4-Dichlorobenzene
 Concen: 49.639 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion:146 Resp: 163239
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.6 49.4
 148 64.2 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.662 ug/L

RT: 11.87 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

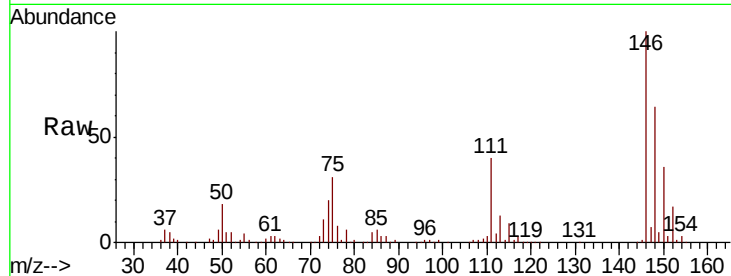
Tgt Ion:146 Resp: 164754

Ion Ratio Lower Upper

146 100

111 40.3 32.6 48.8

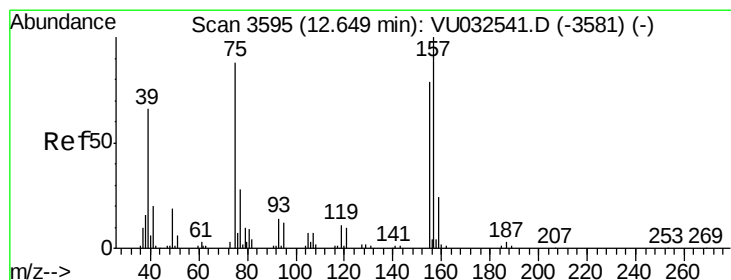
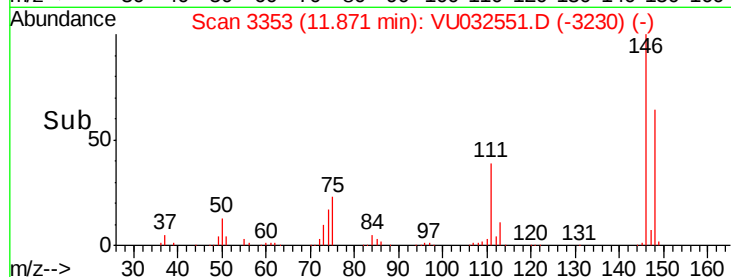
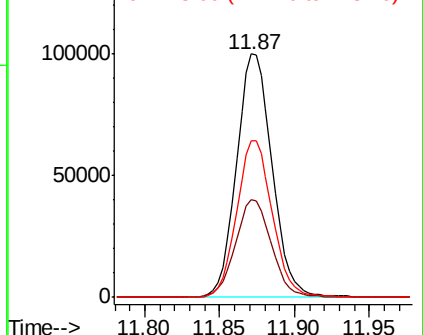
148 64.2 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): 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: 54.563 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

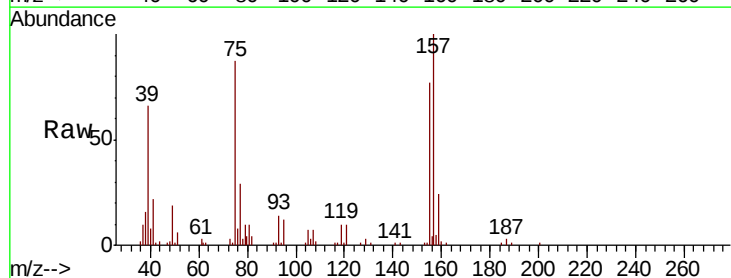
Tgt Ion: 75 Resp: 29854

Ion Ratio Lower Upper

75 100

155 88.6 73.1 109.7

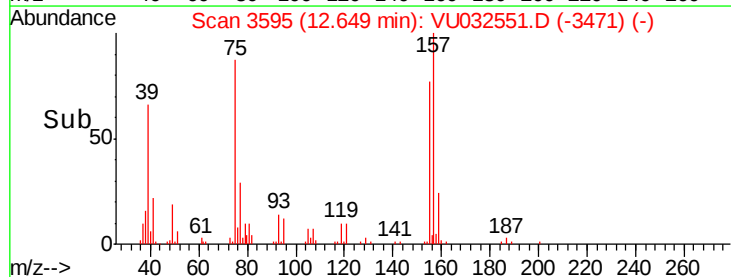
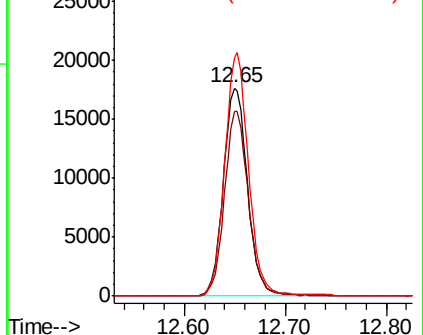
157 114.9 91.4 137.2

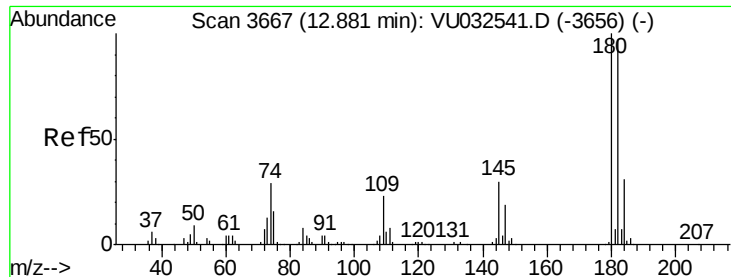


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

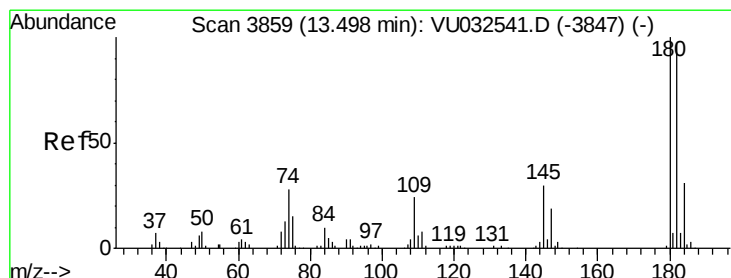
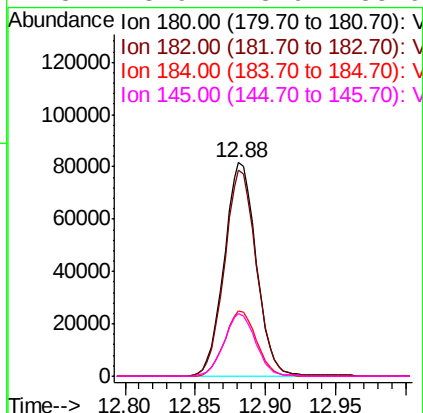
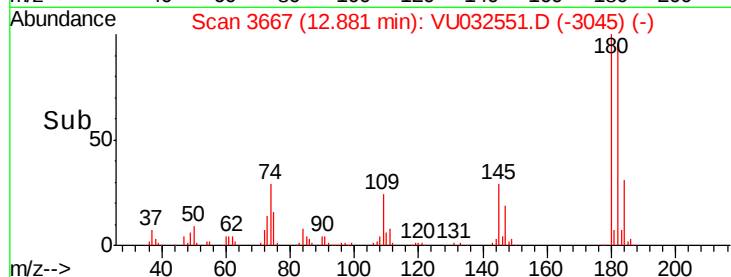
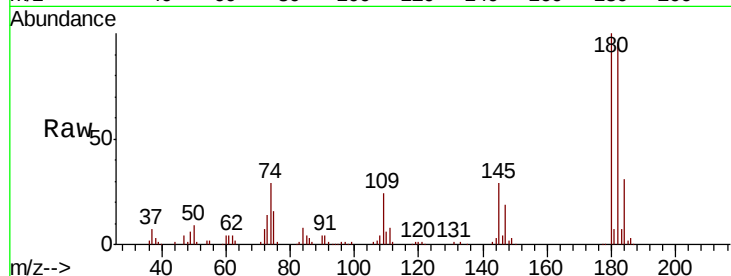




#67
 1,3,5-Trichlorobenzene
 Concen: 52.008 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

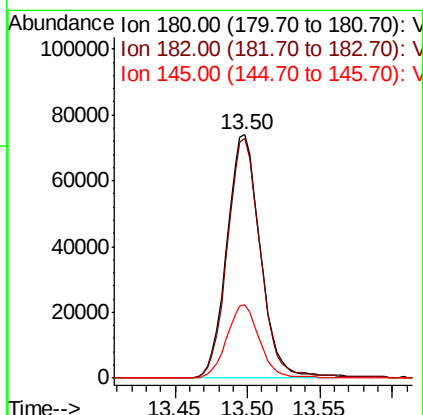
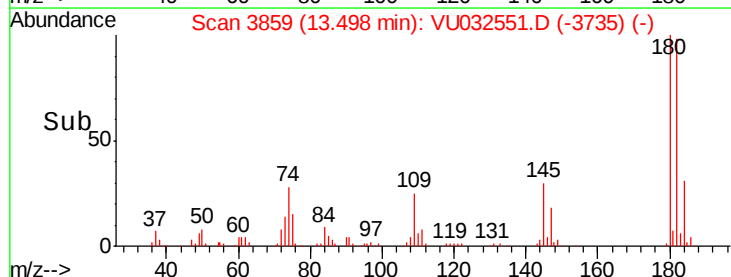
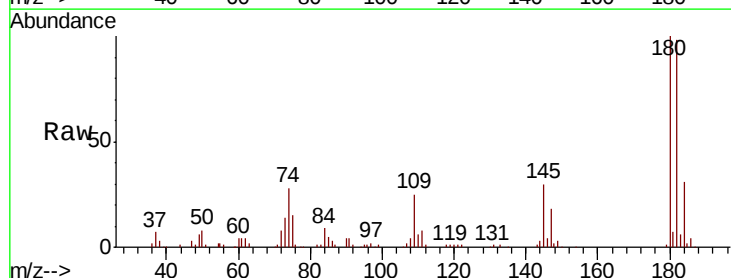
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

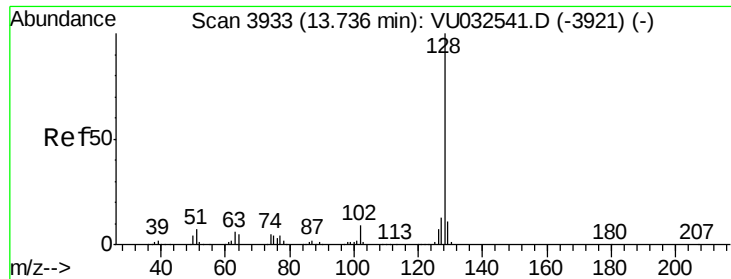
Tgt Ion:	180	Resp:	130155
Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.2	117.4
184	30.4	24.2	36.2
145	28.9	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 55.798 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032551.D
 Acq: 08 Jun 2019 19:20

Tgt Ion:	180	Resp:	118299
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.5	114.7
145	29.6	23.8	35.6





#69

Naphthalene

Concen: 56.459 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

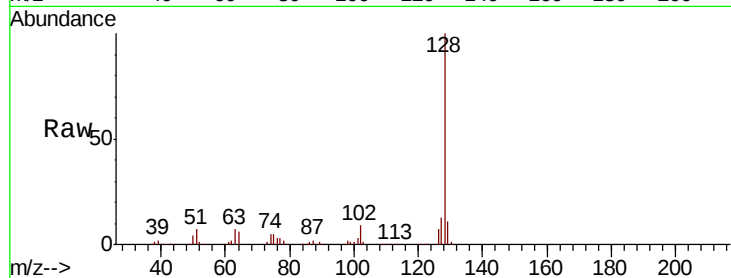
Tgt Ion:128 Resp: 377567

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

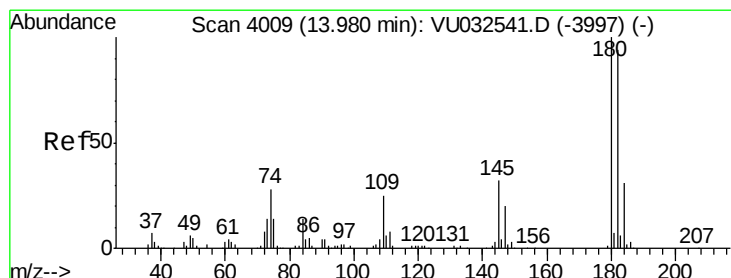
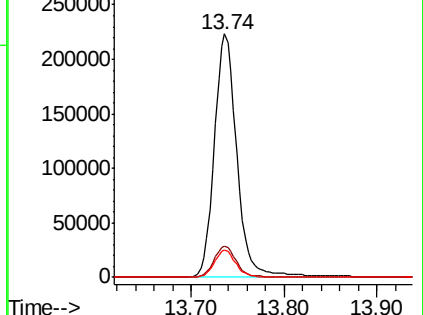
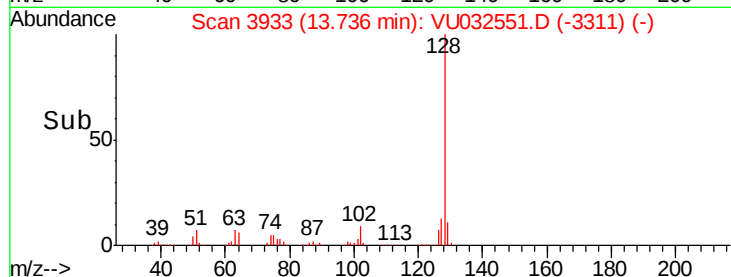
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.675 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032551.D

Acq: 08 Jun 2019 19:20

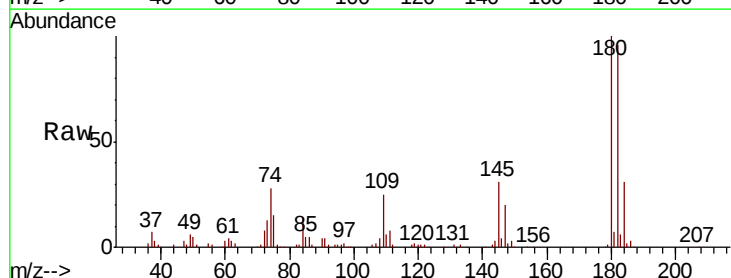
Tgt Ion:180 Resp: 122846

Ion Ratio Lower Upper

180 100

182 96.5 76.7 115.1

145 31.2 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

