

Data File : VU033125.D
Acq On : 01 Jul 2019 19:42
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Quant Time: Jul 02 04:23:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	205739	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	202993	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	107330	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44880	31.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.84%
7) Chloroethane-d5	1.67	69	44667	39.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.66%
11) 1,1-Dichloroethene-d2	2.27	63	113841	40.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.38%
21) 2-Butanone-d5	4.17	46	136987	117.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.05%
24) Chloroform-d	4.64	84	133956	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
26) 1,2-Dichloroethane-d4	5.30	65	90659	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
32) Benzene-d6	5.33	84	233312	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
36) 1,2-Dichloropropane-d6	6.32	67	79222	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.00%
41) Toluene-d8	7.56	98	216440	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.84	79	39387	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
47) 2-Hexanone-d5	8.31	63	79780	101.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.36%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	131043	50.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	96771	46.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.18%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	102445	49.295	ug/L 100
3) Chloromethane	1.32	50	96331	51.142	ug/L 99
5) Vinyl chloride	1.40	62	91550	49.002	ug/L 98
6) Bromomethane	1.62	94	60785	55.291	ug/L 100
8) Chloroethane	1.69	64	55699	51.791	ug/L 99
9) Trichlorofluoromethane	1.88	101	133294	50.854	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	69238	50.361	ug/L 99
12) 1,1-Dichloroethene	2.28	96	62103	47.934	ug/L 89
13) Acetone	2.31	43	105419	65.217	ug/L 97
14) Carbon disulfide	2.47	76	181324	44.230	ug/L 99
15) Methyl Acetate	2.61	43	105269	57.452	ug/L 97
16) Methylene chloride	2.69	84	79281	52.149	ug/L 97
17) trans-1,2-Dichloroethene	2.97	96	69158	49.224	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	243134	53.900	ug/L 98
19) 1,1-Dichloroethane	3.44	63	146221	54.590	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	80825	52.807	ug/L 95
22) 2-Butanone	4.25	43	152619	91.095	ug/L 97

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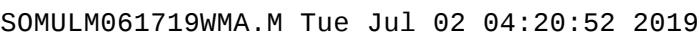
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

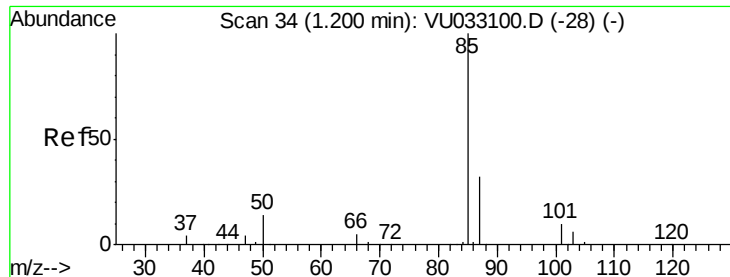
Quant Time: Jul 02 04:23:05 2019
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Quant Title : VOC Analysis
QLast Update : Tue Jul 02 04:16:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	44140	55.281	ug/L	97
25) Chloroform	4.66	83	151184	54.733	ug/L	98
27) 1,2-Dichloroethane	5.40	62	130672	57.586	ug/L	97
29) Cyclohexane	4.99	56	118944	50.182	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	132001	53.374	ug/L	99
31) Carbon tetrachloride	5.13	117	114650	50.950	ug/L	99
33) Benzene	5.38	78	307736	52.625	ug/L	100
34) Trichloroethene	6.18	95	81840	52.380	ug/L	98
35) Methylcyclohexane	6.41	83	119255	49.379	ug/L	98
37) 1,2-Dichloropropane	6.42	63	86323	53.815	ug/L	100
38) Bromodichloromethane	6.75	83	109889	50.947	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	127735	51.113	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	285666	111.547	ug/L	99
42) Toluene	7.63	91	338302	53.470	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	121962	51.959	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	79240	53.074	ug/L	99
46) Tetrachloroethene	8.22	164	65469	51.136	ug/L	98
48) 2-Hexanone	8.36	43	227037	100.479	ug/L	99
49) Dibromochloromethane	8.47	129	88617	49.235	ug/L	100
50) 1,2-Dibromoethane	8.58	107	86504	52.172	ug/L	100
51) Chlorobenzene	9.11	112	217490	52.238	ug/L	99
52) Ethylbenzene	9.24	91	372953	53.254	ug/L	99
53) m,p-Xylene	9.37	106	139014	52.611	ug/L	98
54) o-xylene	9.77	106	137690	53.360	ug/L	98
55) Styrene	9.79	104	234111	52.298	ug/L	97
56) Isopropylbenzene	10.16	105	362764	52.166	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	139262	51.548	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	115657	54.028	ug/L	99
61) Bromoform	9.95	173	66252	47.273	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	170718	51.172	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	174073	50.517	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	172771	50.720	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	31884	49.061	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	129125	48.170	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	102038	44.238	ug/L	99
69) Naphthalene	13.74	128	289471	40.817	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	109947	45.028	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 49.295 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

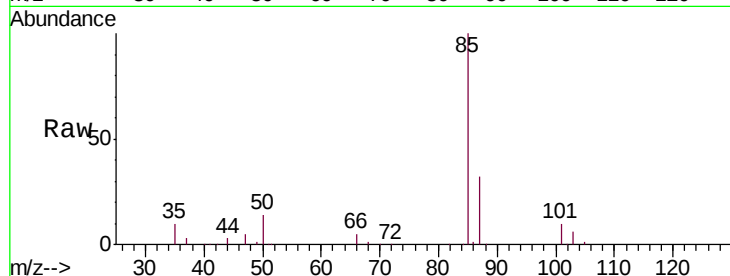
VSTD05044

Tgt Ion: 85 Resp: 102445

Ion Ratio Lower Upper

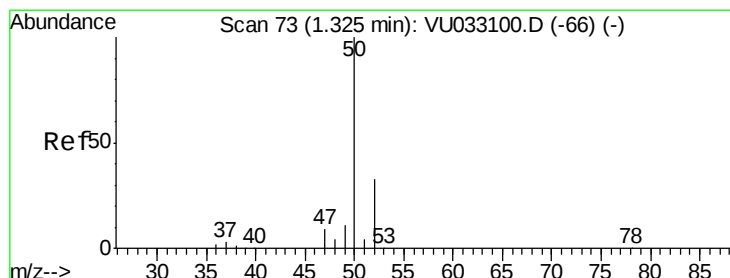
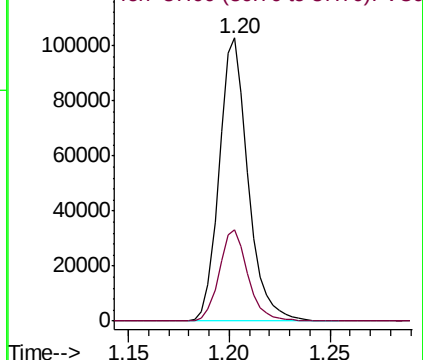
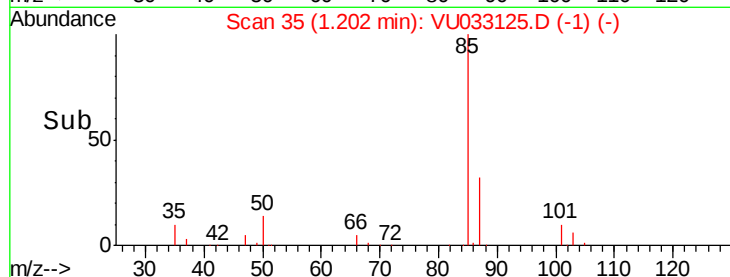
85 100

87 32.0 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033125.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033125.D (-1) (-)



#3

Chloromethane

Concen: 51.142 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033125.D

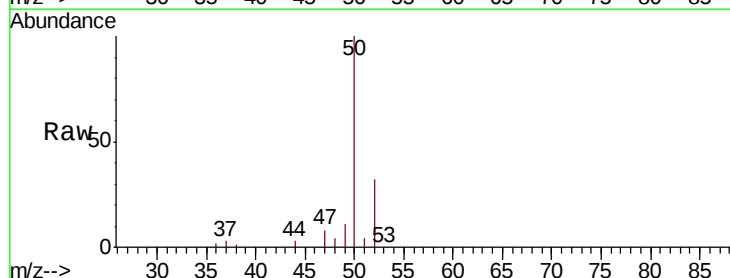
Acq: 01 Jul 2019 19:42

Tgt Ion: 50 Resp: 96331

Ion Ratio Lower Upper

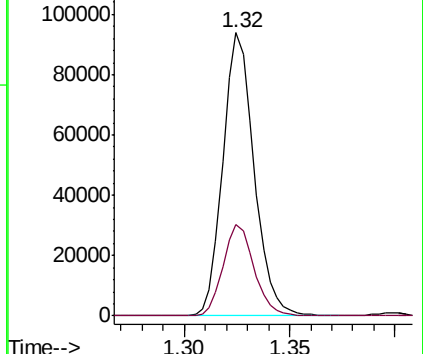
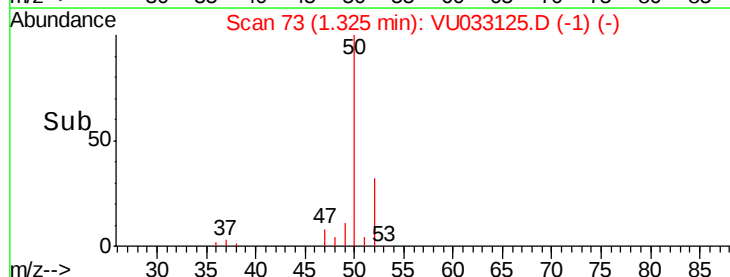
50 100

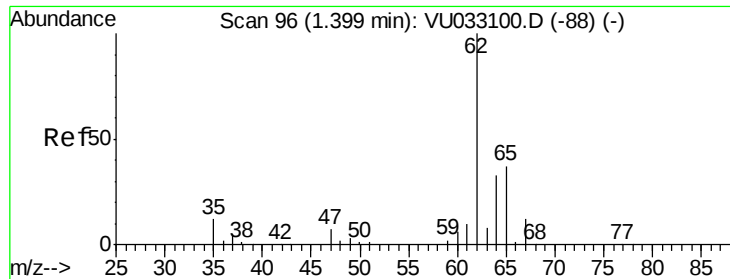
52 32.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU033125.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033125.D (-1) (-)





#5

Vinyl chloride

Concen: 49.002 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

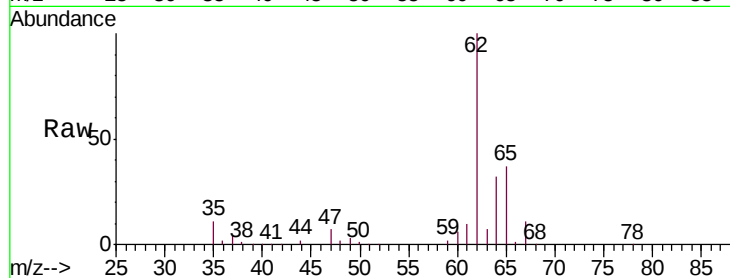
VSTD05044

Tgt Ion: 62 Resp: 91550

Ion Ratio Lower Upper

62 100

64 31.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU033100.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU033100.D (-88) (-)

1.40

80000

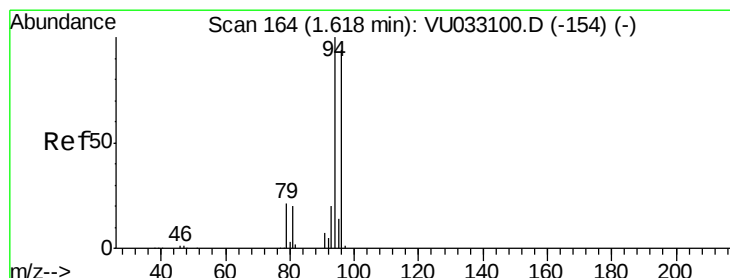
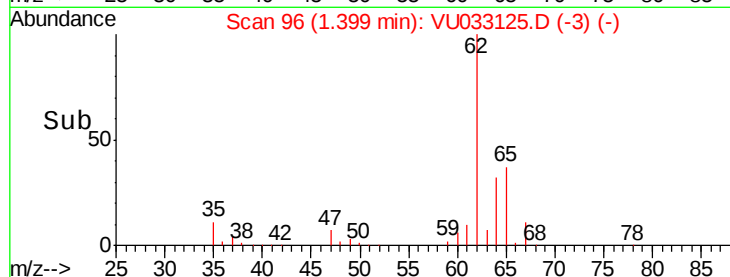
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 55.291 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033125.D

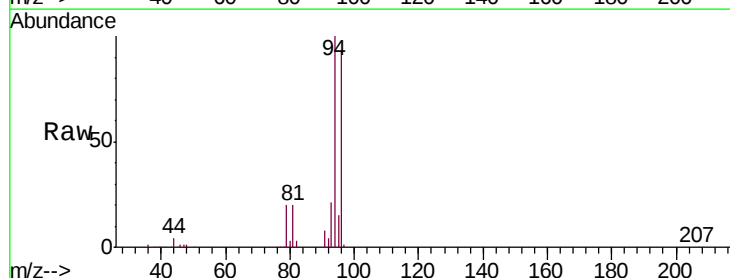
Acq: 01 Jul 2019 19:42

Tgt Ion: 94 Resp: 60785

Ion Ratio Lower Upper

94 100

96 93.0 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU033100.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU033100.D (-154) (-)

1.62

50000

40000

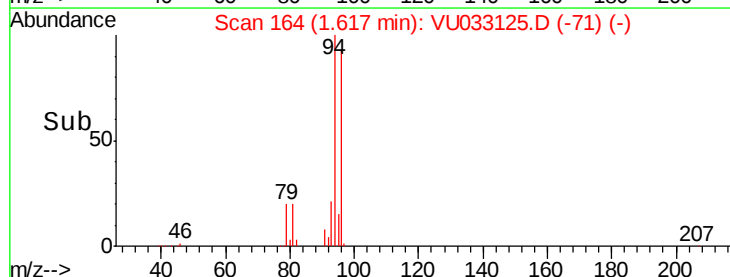
30000

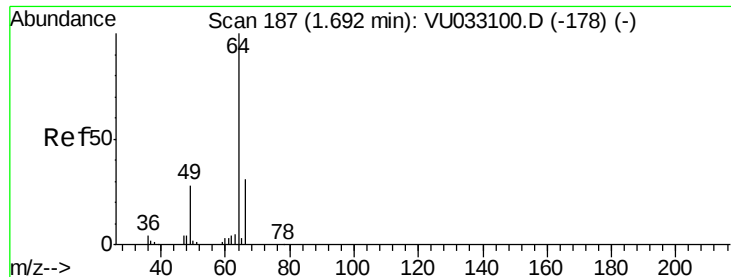
20000

10000

0

Time-->





#8

Chloroethane

Concen: 51.791 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

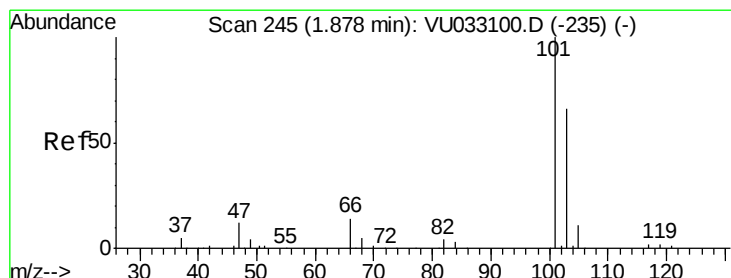
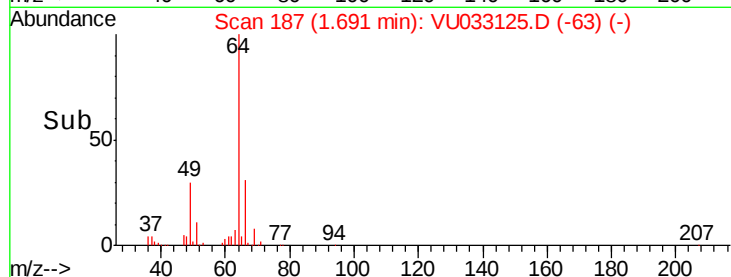
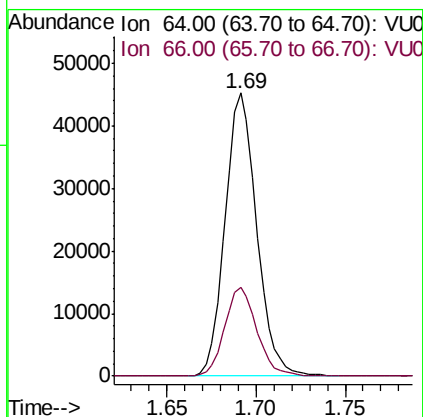
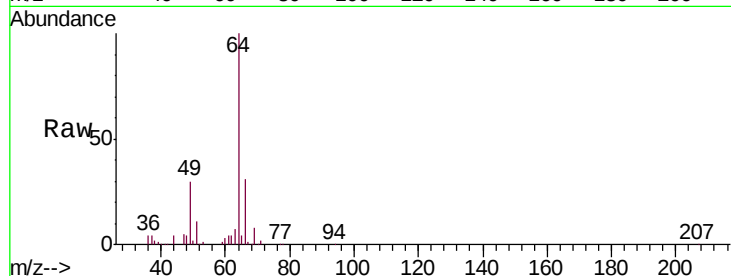
VSTD05044

Tgt Ion: 64 Resp: 55699

Ion Ratio Lower Upper

64 100

66 31.3 22.5 41.7



#9

Trichlorofluoromethane

Concen: 50.854 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU033125.D

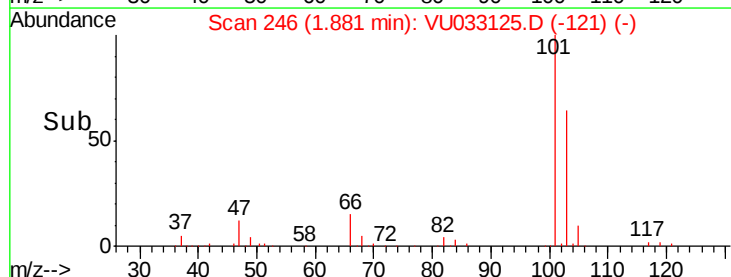
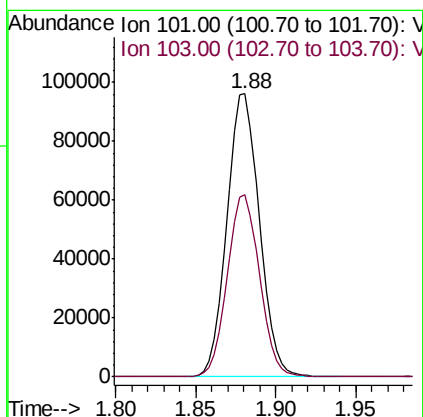
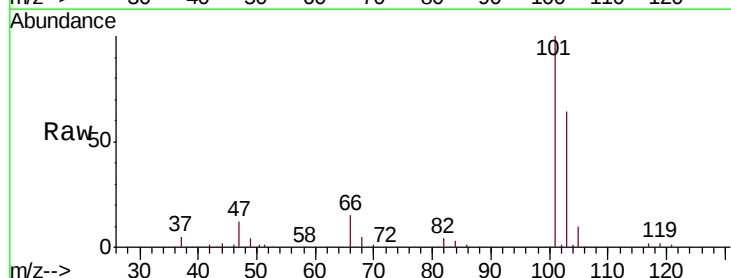
Acq: 01 Jul 2019 19:42

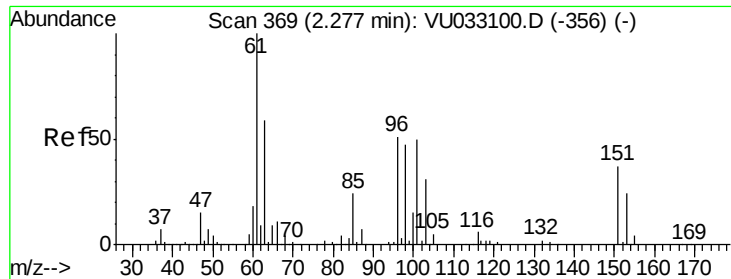
Tgt Ion: 101 Resp: 133294

Ion Ratio Lower Upper

101 100

103 63.9 51.3 76.9





#10

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

Concen: 50.361 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

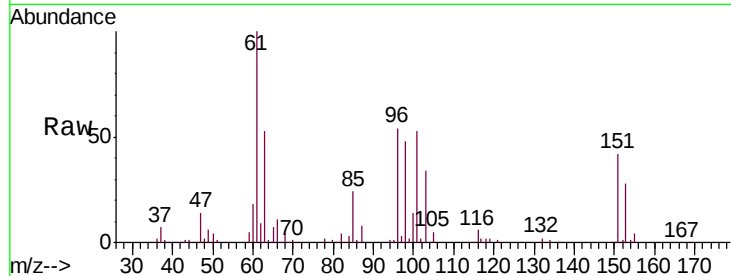
Tgt Ion:101 Resp: 69238

Ion Ratio Lower Upper

101 100

85 45.7 36.8 55.2

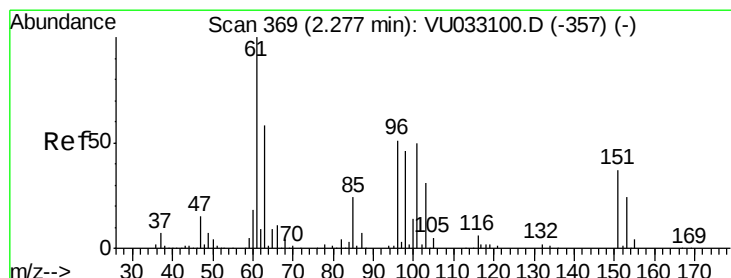
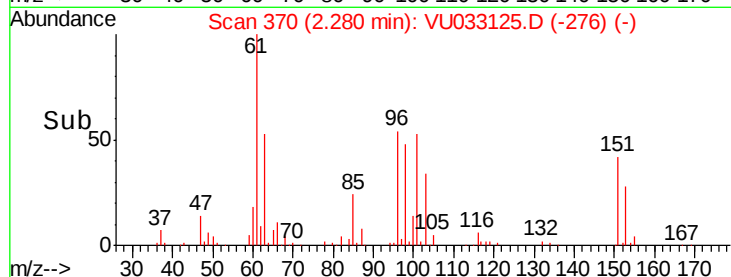
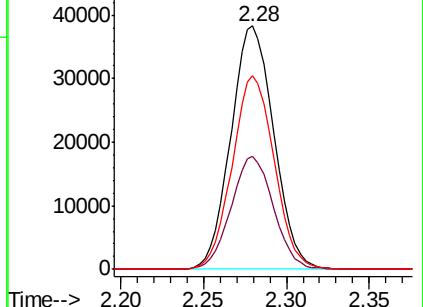
151 77.7 63.6 95.4



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: 47.934 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

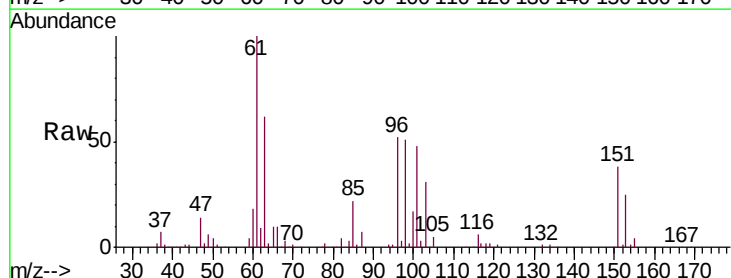
Tgt Ion: 96 Resp: 62103

Ion Ratio Lower Upper

96 100

61 190.6 131.0 243.4

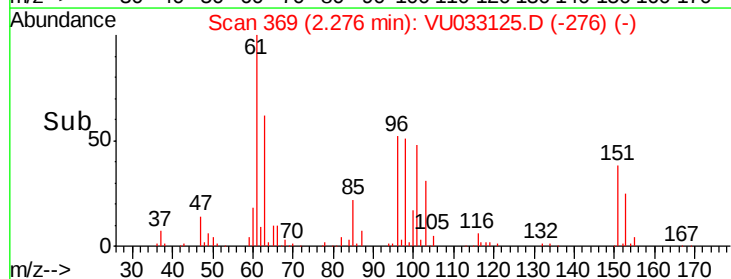
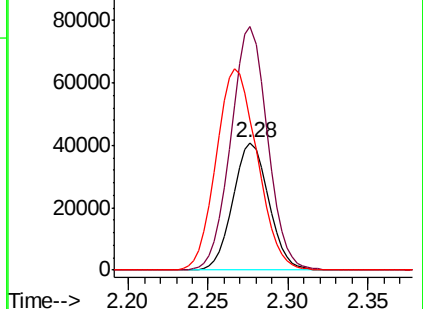
63 117.3 101.0 187.6

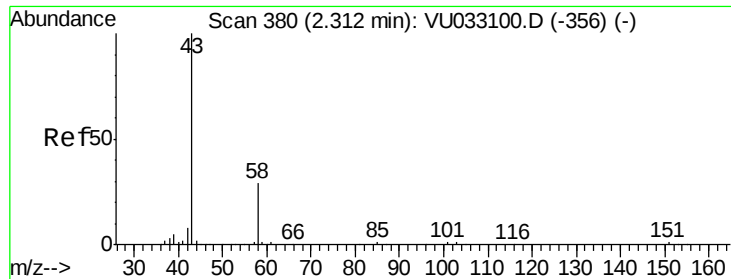


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 65.217 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

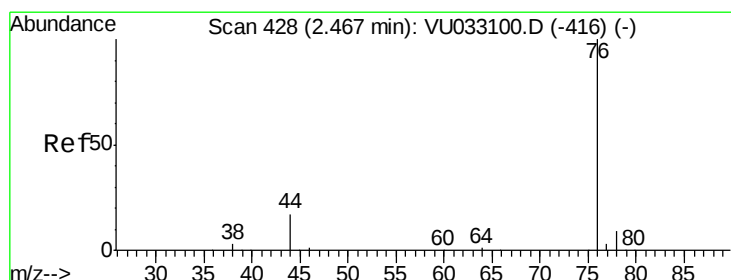
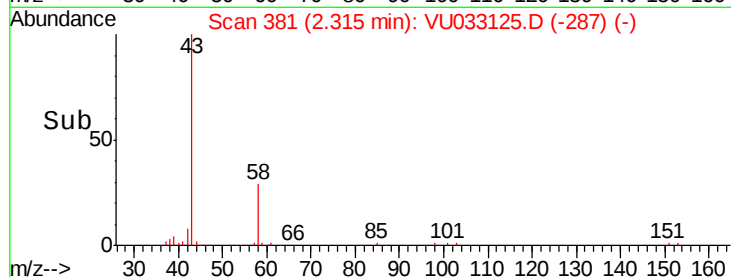
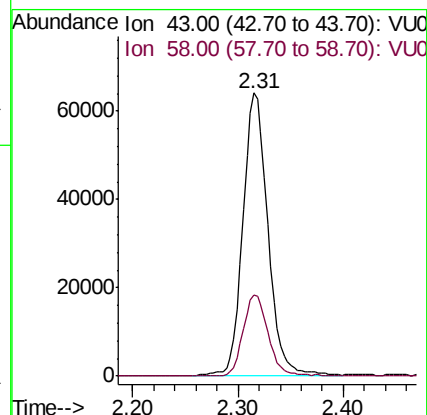
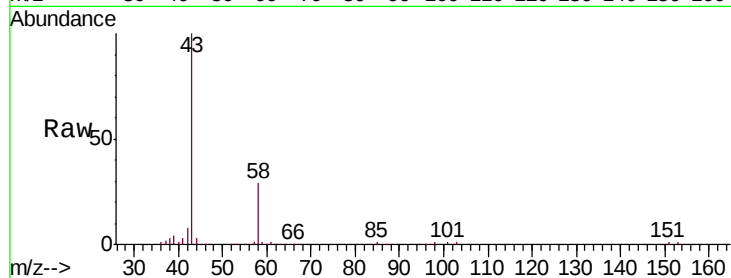
VSTD05044

Tgt Ion: 43 Resp: 105419

Ion Ratio Lower Upper

43 100

58 28.7 0.0 60.6



#14

Carbon disulfide

Concen: 44.230 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU033125.D

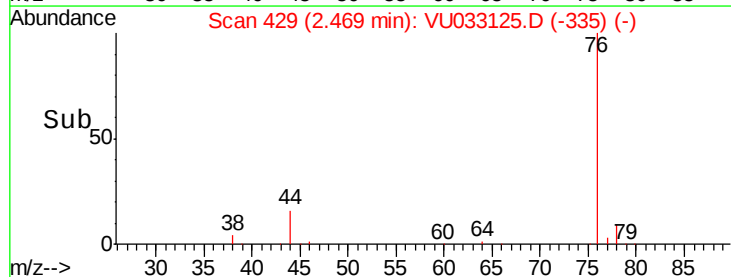
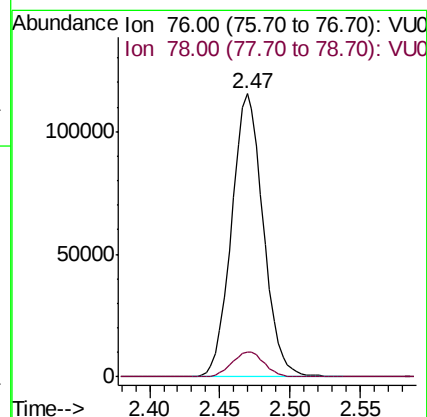
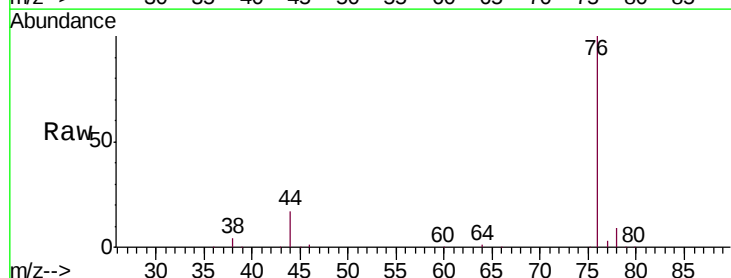
Acq: 01 Jul 2019 19:42

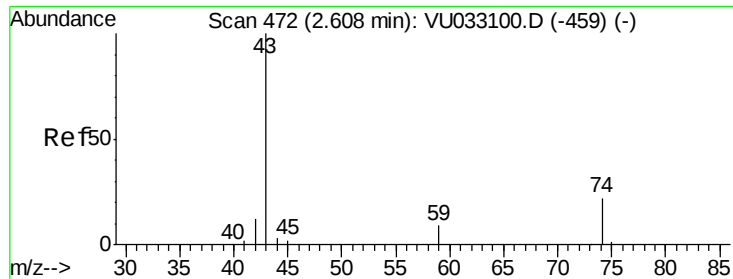
Tgt Ion: 76 Resp: 181324

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

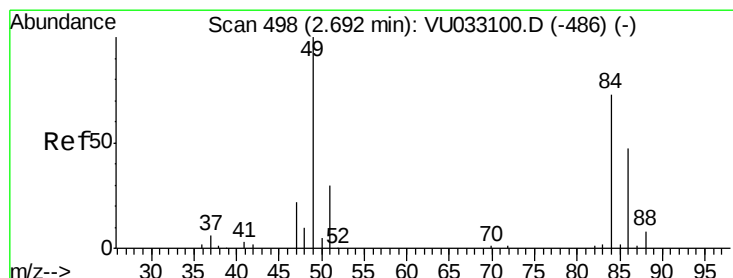
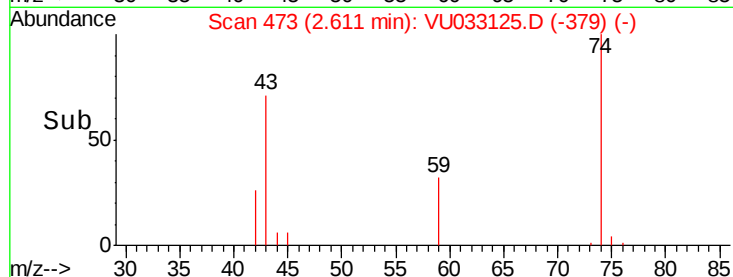
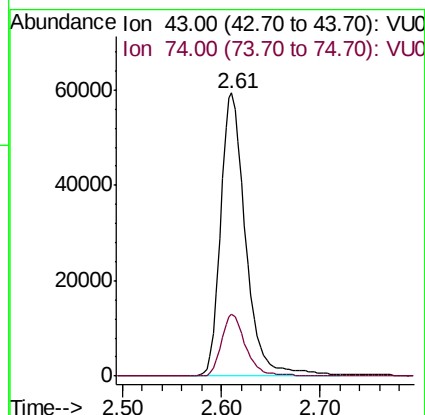
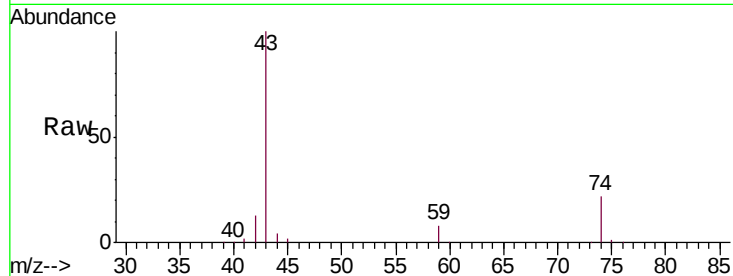




#15
Methyl Acetate
Concen: 57.452 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

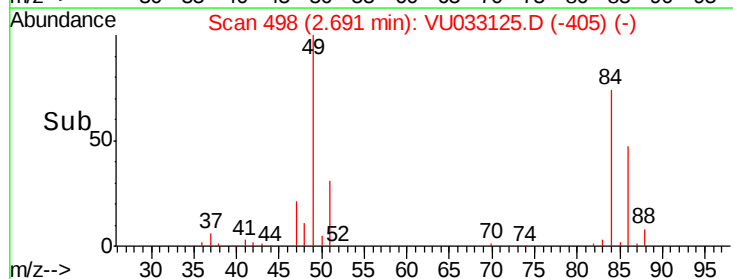
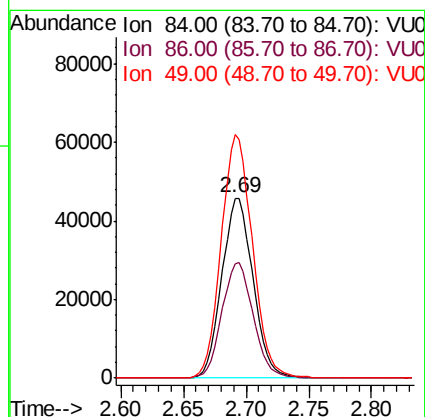
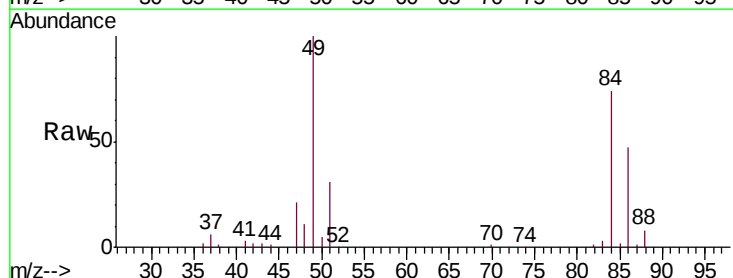
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

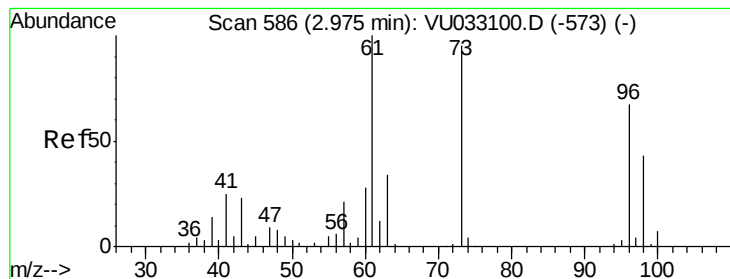
Tgt Ion: 43 Resp: 105269
Ion Ratio Lower Upper
43 100
74 21.3 18.1 27.1



#16
Methylene chloride
Concen: 52.149 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion: 84 Resp: 79281
Ion Ratio Lower Upper
84 100
86 63.9 45.5 84.5
49 135.4 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 49.224 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

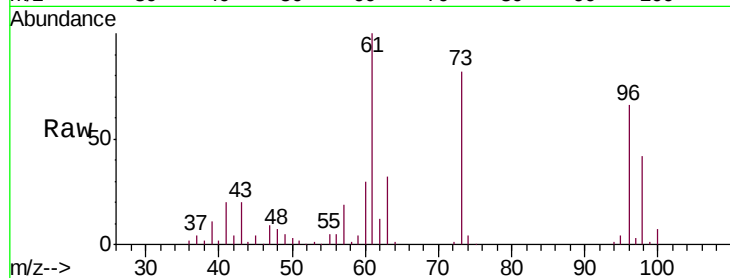
Tgt Ion: 96 Resp: 69158

Ion Ratio Lower Upper

96 100

61 150.9 100.9 187.5

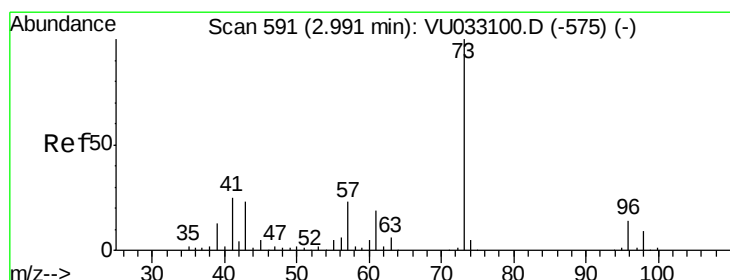
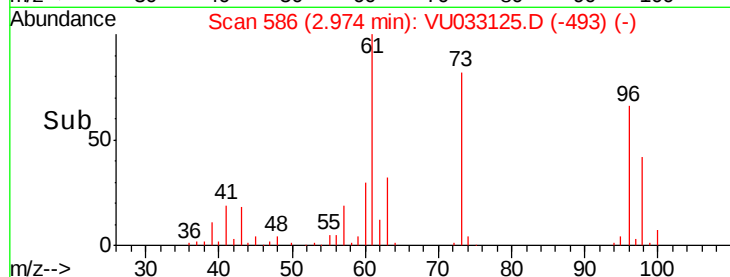
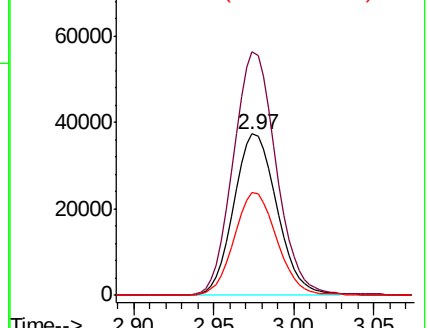
98 63.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033100.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU033100.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU033100.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 53.900 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

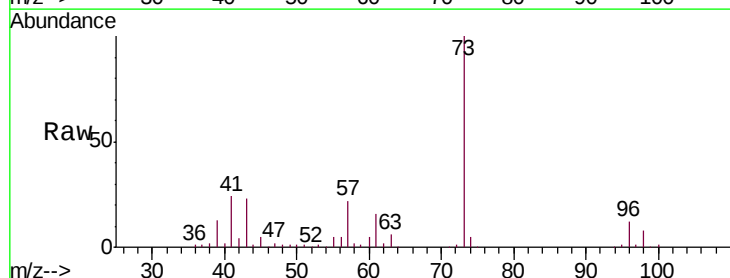
Tgt Ion: 73 Resp: 243134

Ion Ratio Lower Upper

73 100

43 23.7 17.8 26.8

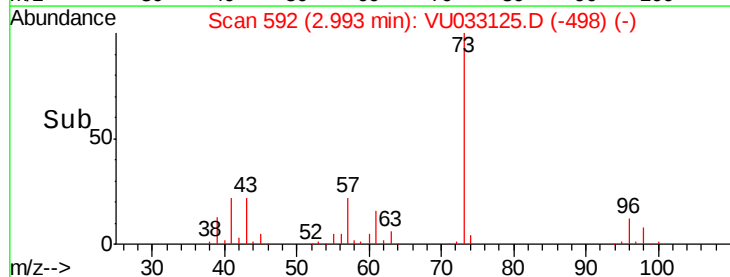
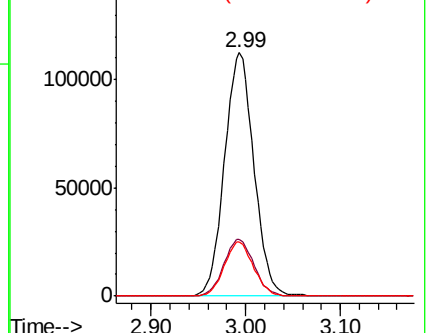
57 22.2 17.8 26.6

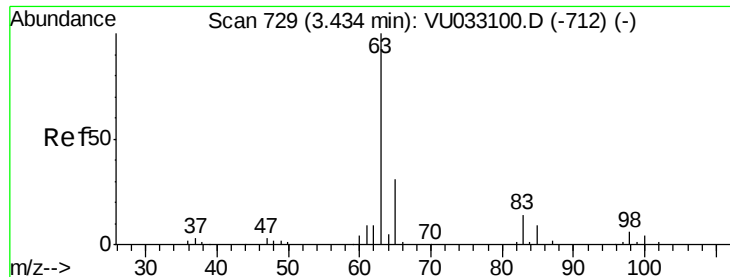


Abundance Ion 73.00 (72.70 to 73.70): VU033100.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU033100.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU033100.D (-575) (-)

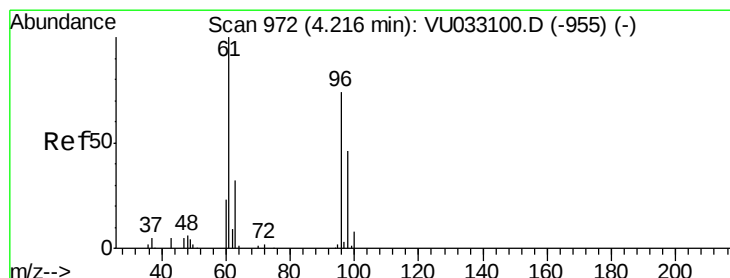
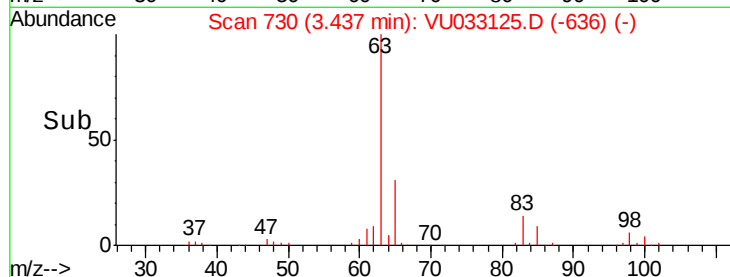
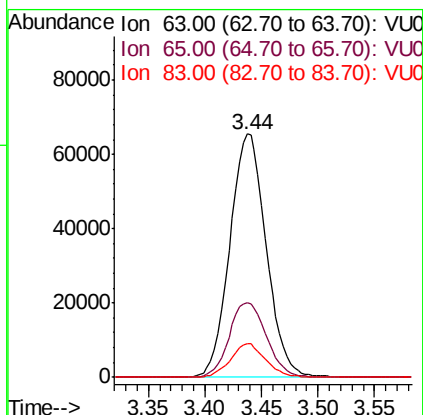
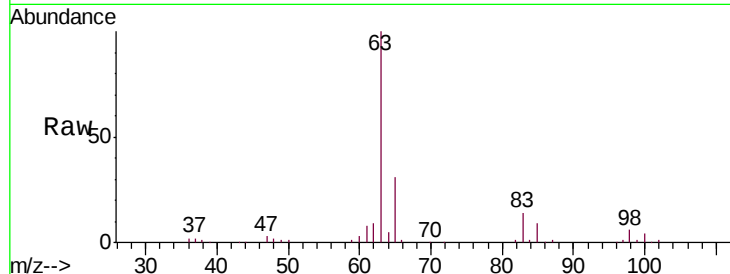




#19
 1,1-Dichloroethane
 Concen: 54.590 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

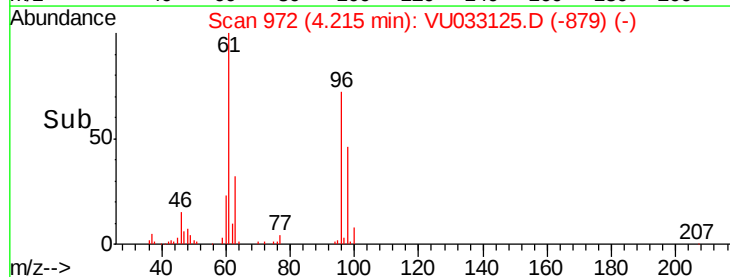
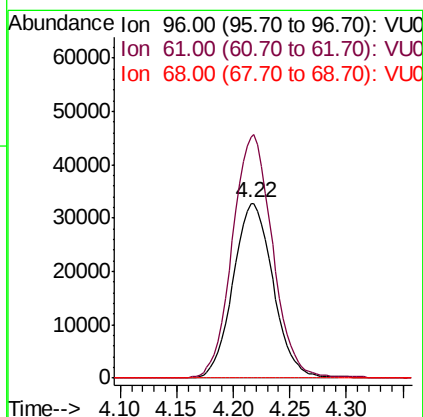
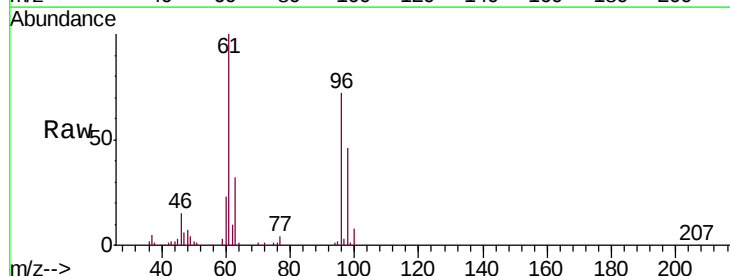
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

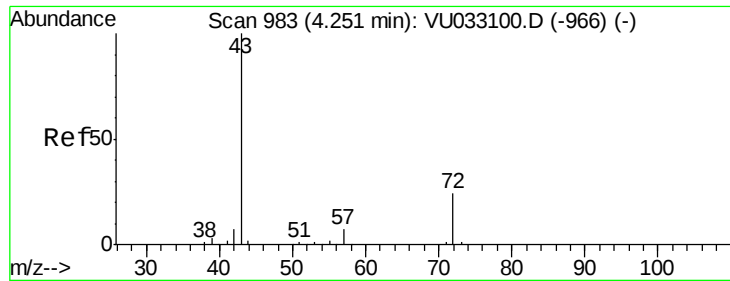
Tgt Ion: 63 Resp: 146221
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.0 41.0
 83 13.9 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 52.807 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion: 96 Resp: 80825
 Ion Ratio Lower Upper
 96 100
 61 138.1 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.095 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

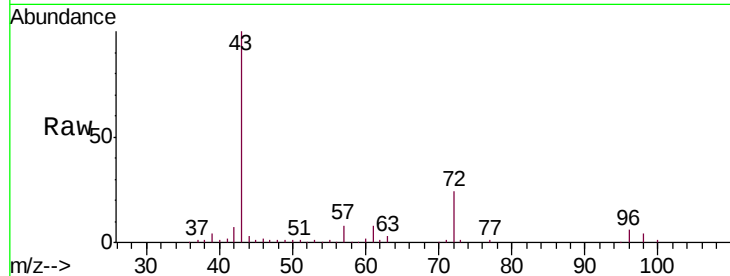
VSTD05044

Tgt Ion: 43 Resp: 152619

Ion Ratio Lower Upper

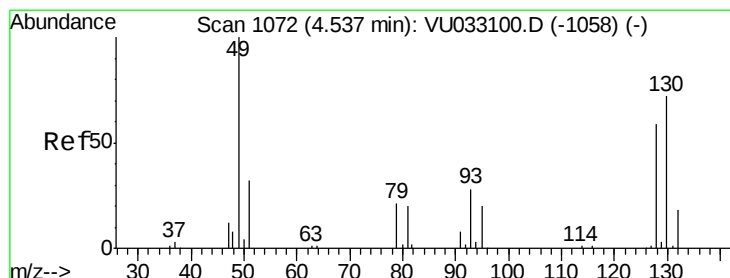
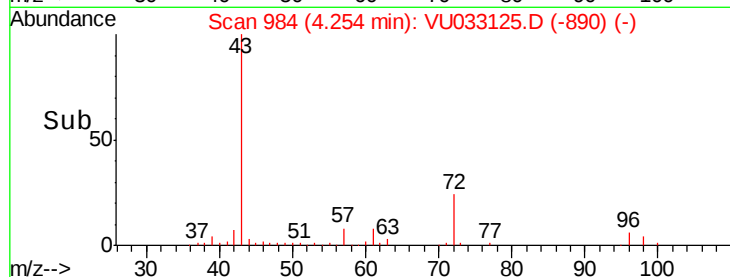
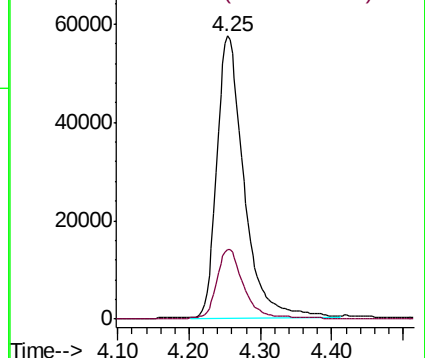
43 100

72 24.3 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU033100.D (-966) (-)



#23

Bromochloromethane

Concen: 55.281 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Tgt Ion: 128 Resp: 44140

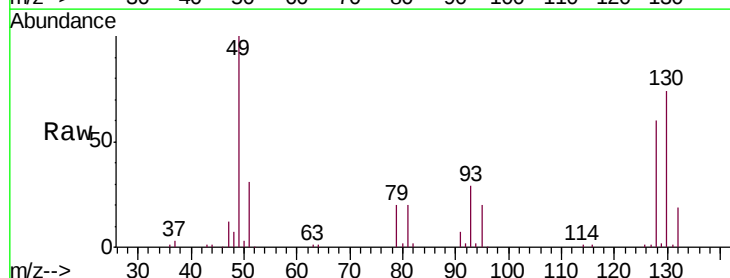
Ion Ratio Lower Upper

128 100

49 165.7 114.7 212.9

130 122.6 89.4 166.0

51 51.3 42.0 63.0

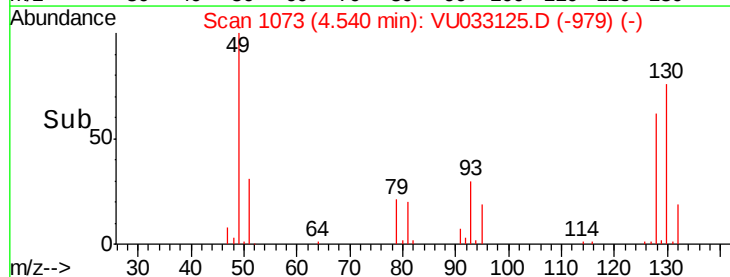
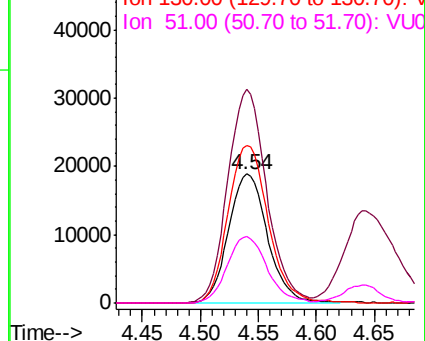


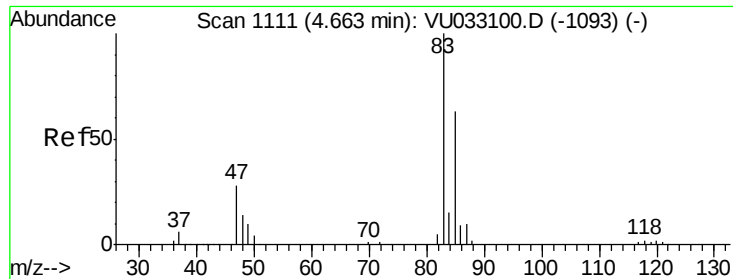
Abundance Ion 128.00 (127.70 to 128.70): VU033100.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU033100.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU033100.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU033100.D (-1058) (-)

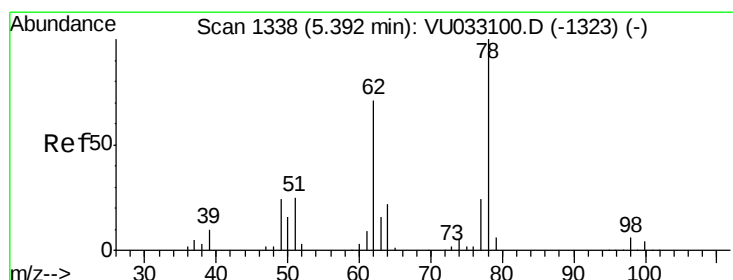
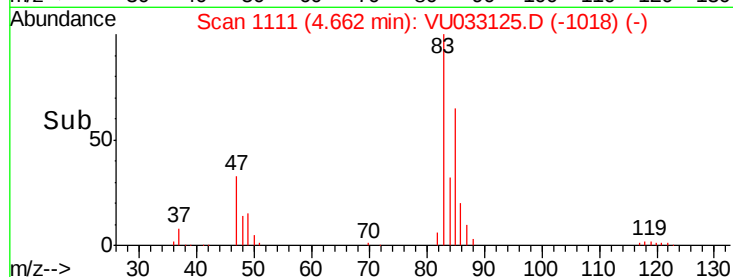
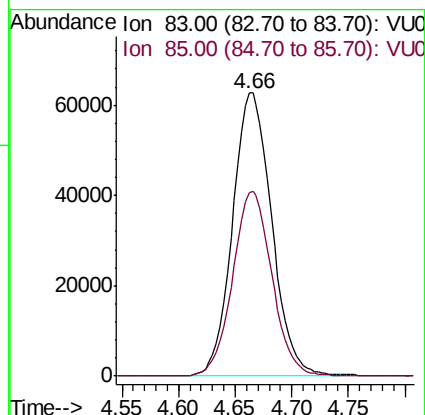
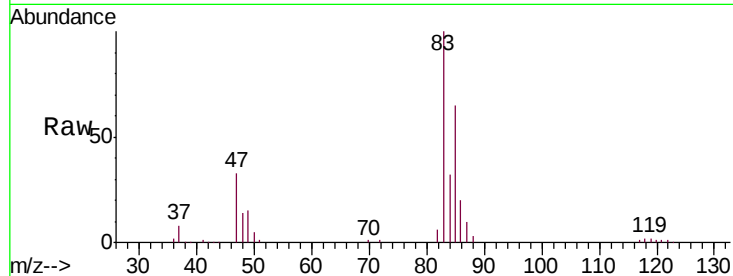




#25
Chloroform
Concen: 54.733 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

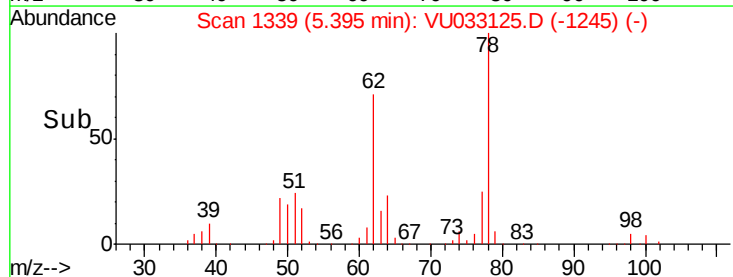
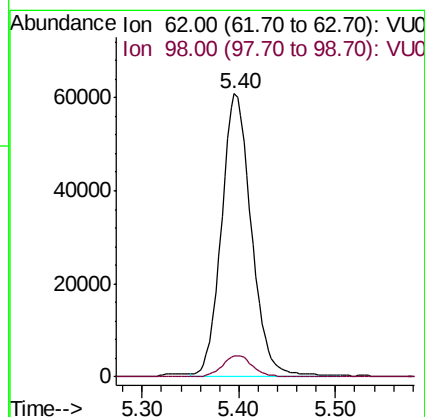
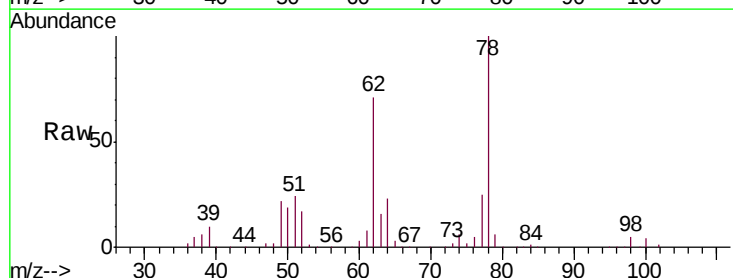
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

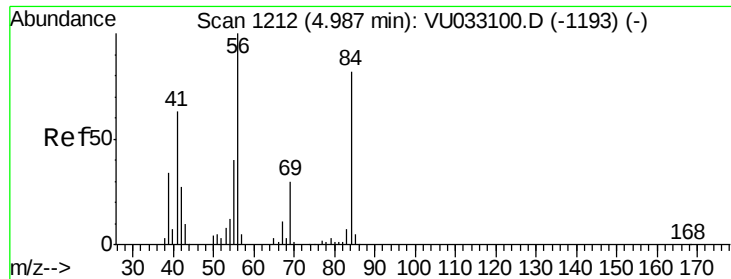
Tgt Ion: 83 Resp: 151184
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 57.586 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion: 62 Resp: 130672
Ion Ratio Lower Upper
62 100
98 7.4 6.6 10.0

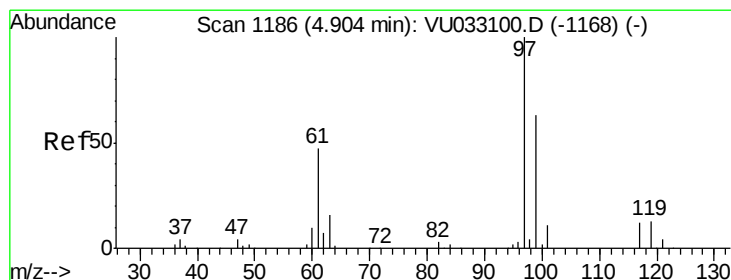
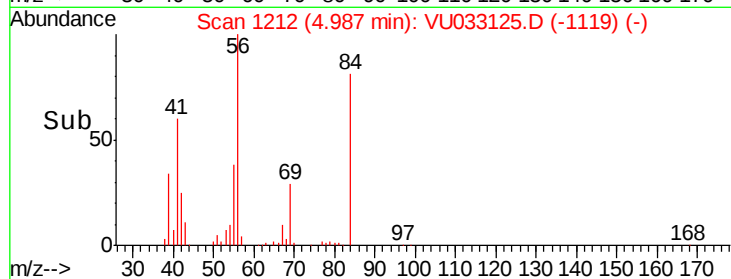
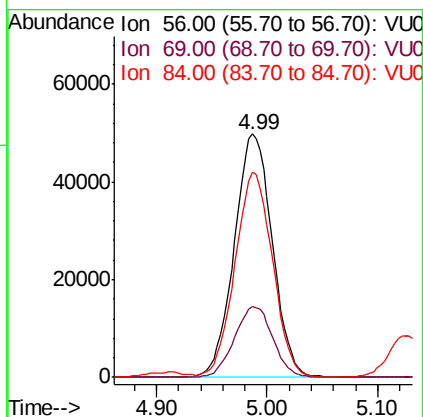
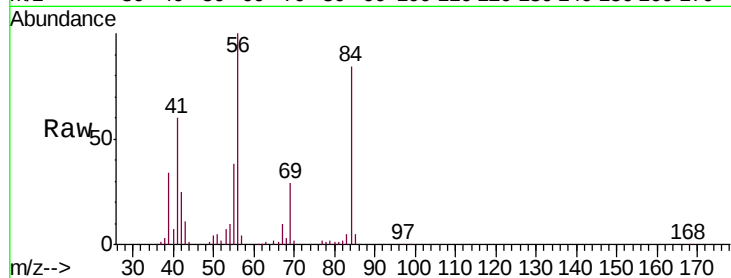




#29
Cyclohexane
Concen: 50.182 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

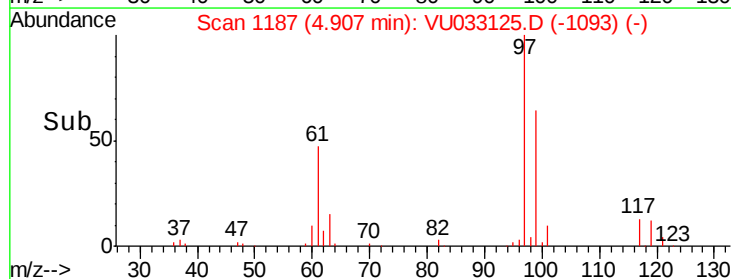
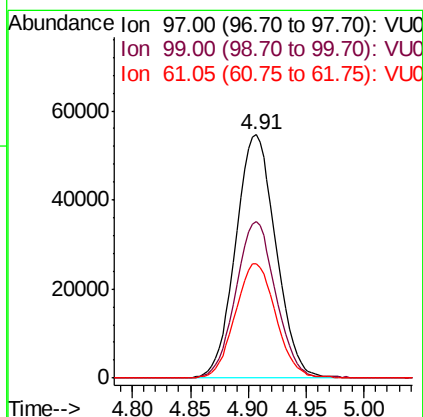
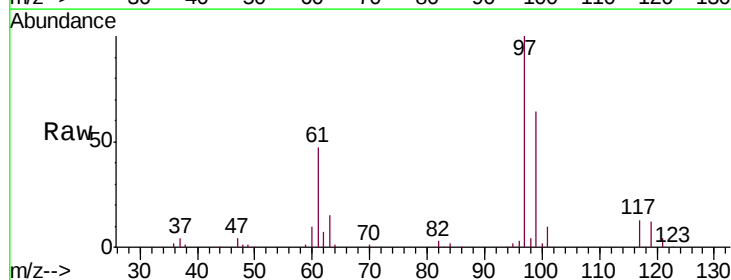
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

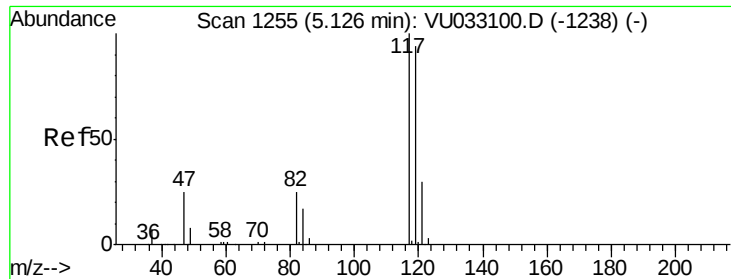
Tgt Ion: 56 Resp: 118944
Ion Ratio Lower Upper
56 100
69 29.3 24.2 36.4
84 83.4 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 53.374 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion: 97 Resp: 132001
Ion Ratio Lower Upper
97 100
99 63.8 50.7 76.1
61 47.6 36.7 55.1

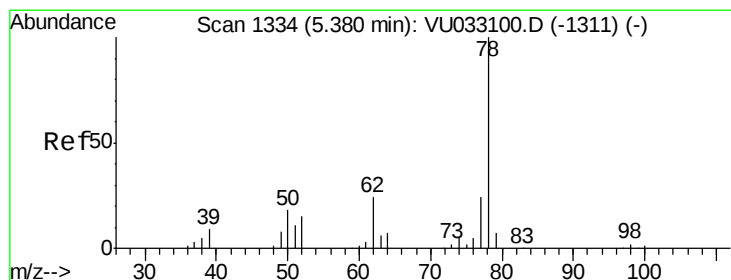
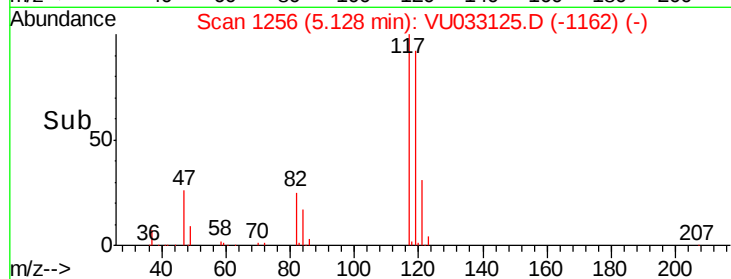
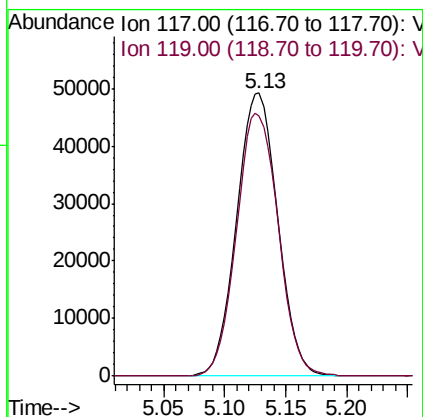
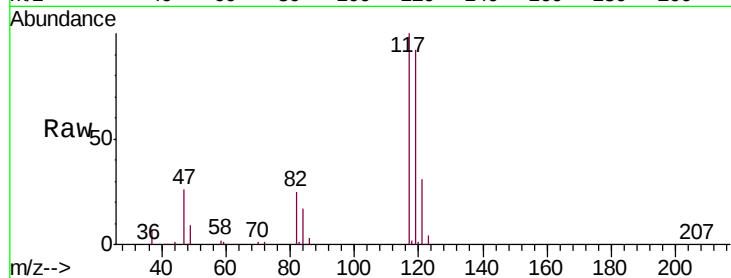




#31
Carbon tetrachloride
Concen: 50.950 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

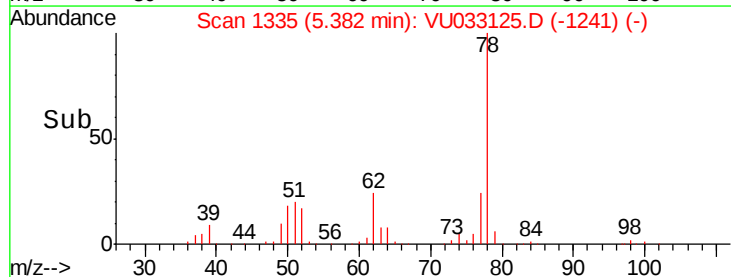
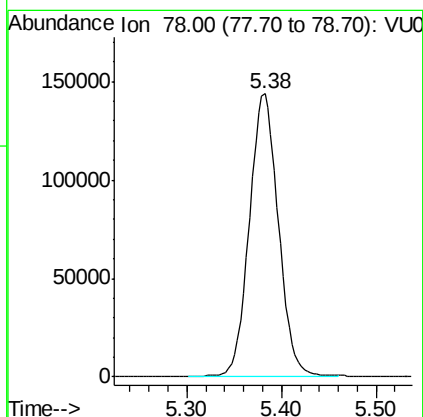
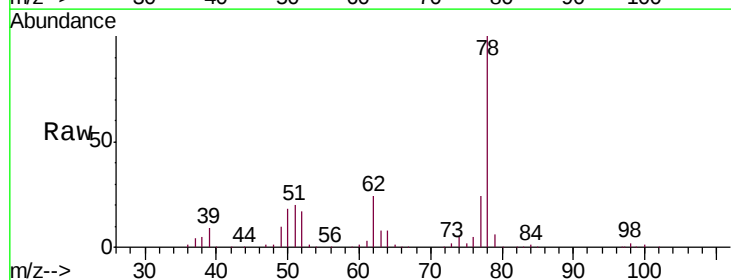
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

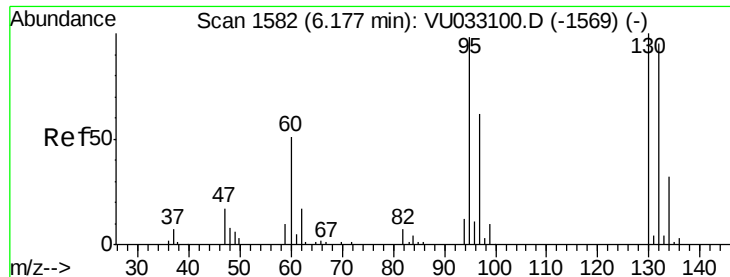
Tgt Ion:117 Resp: 114650
Ion Ratio Lower Upper
117 100
119 94.5 76.3 114.5



#33
Benzene
Concen: 52.625 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion: 78 Resp: 307736

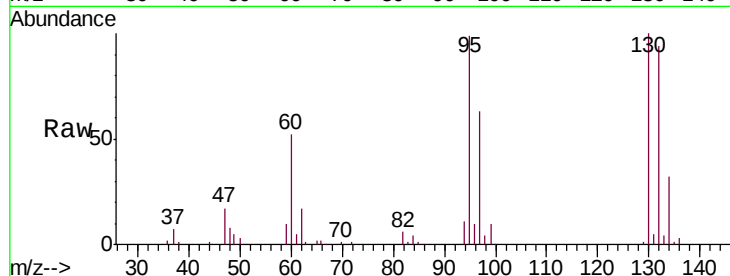




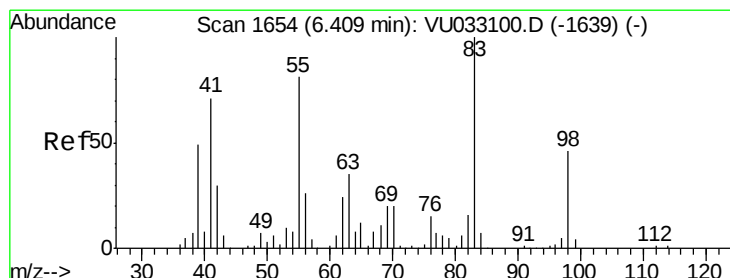
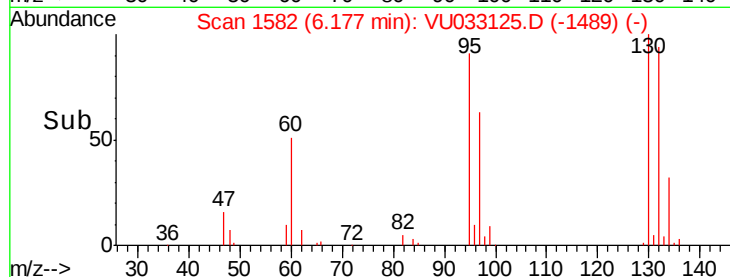
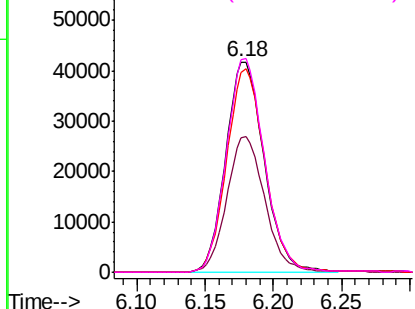
#34
 Trichloroethene
 Concen: 52.380 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion: 95 Resp: 81840
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.9 85.3
 132 95.0 68.5 127.3
 130 101.2 70.8 131.4

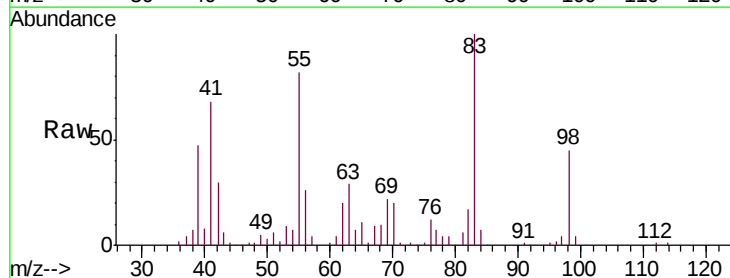


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

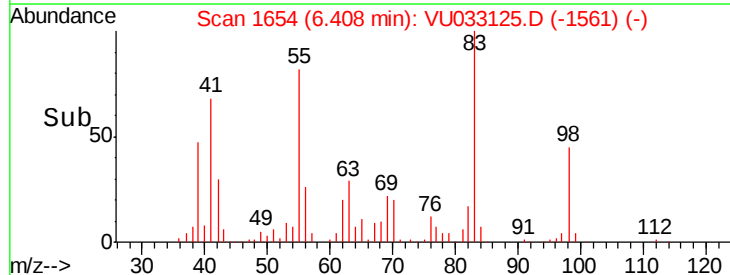
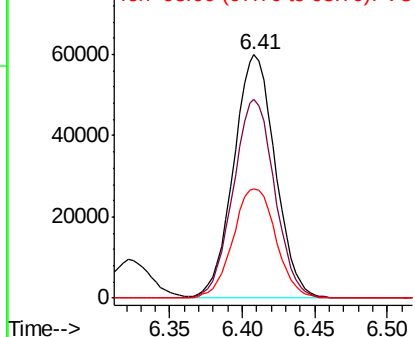


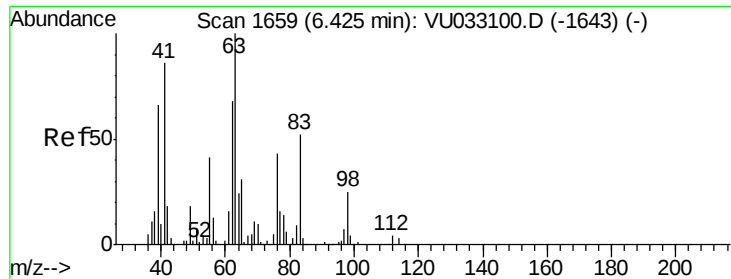
#35
 Methylcyclohexane
 Concen: 49.379 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion: 83 Resp: 119255
 Ion Ratio Lower Upper
 83 100
 55 81.5 62.6 94.0
 98 46.5 37.4 56.0



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

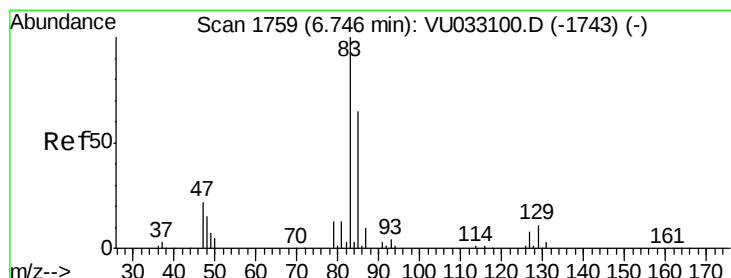
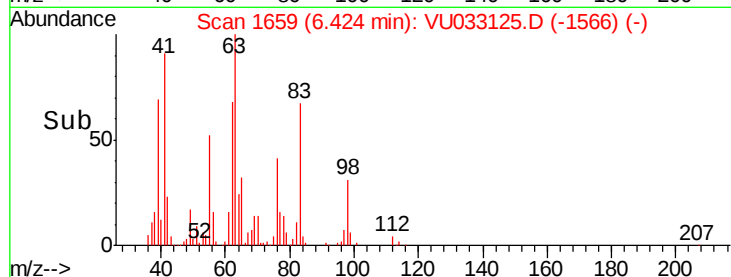
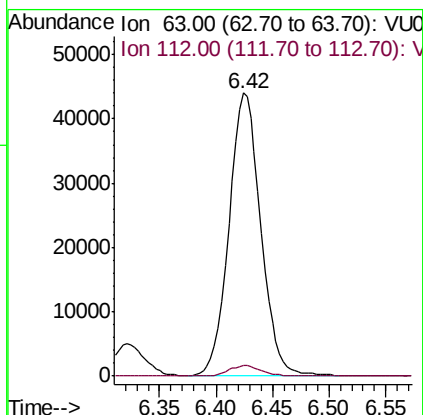
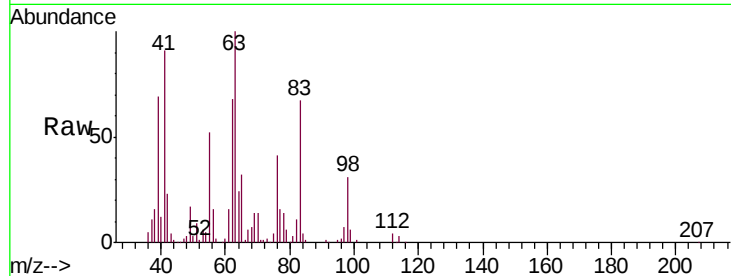




#37
 1,2-Dichloropropane
 Concen: 53.815 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

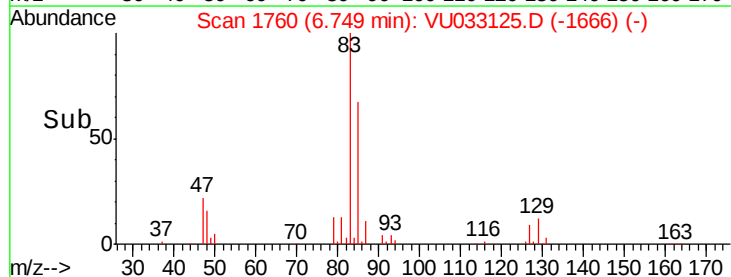
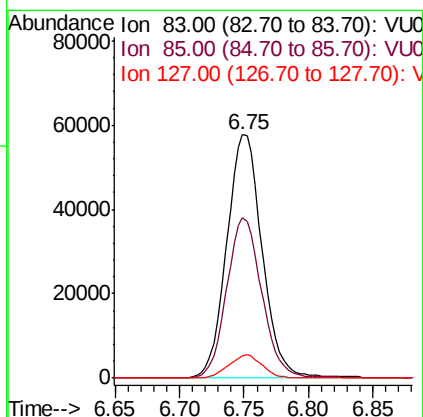
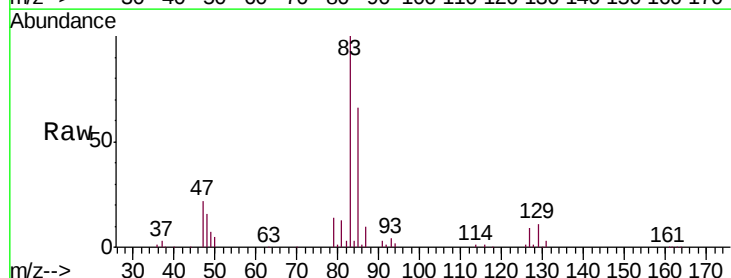
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

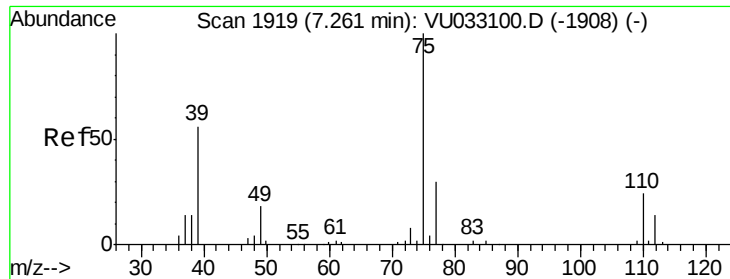
Tgt Ion: 63 Resp: 86323
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.947 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion: 83 Resp: 109889
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.0 83.6
 127 9.2 7.0 10.6

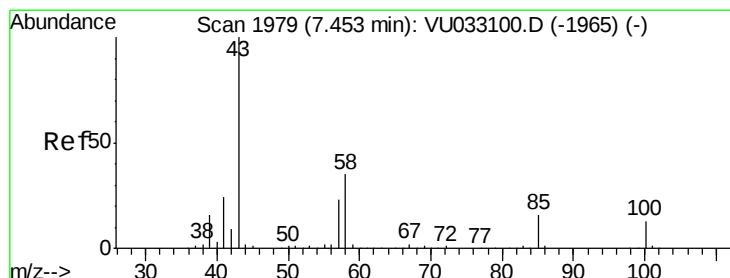
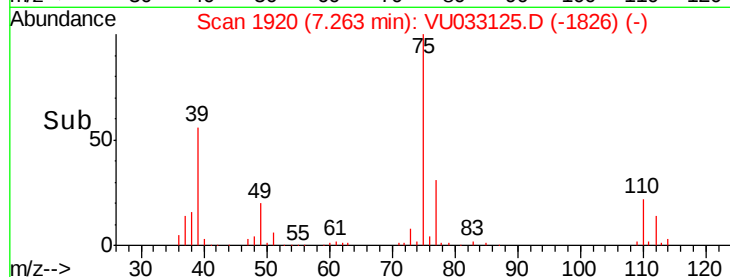
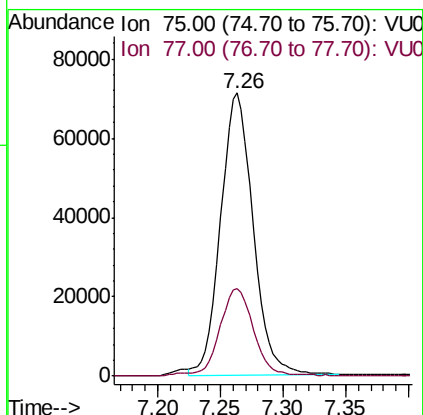
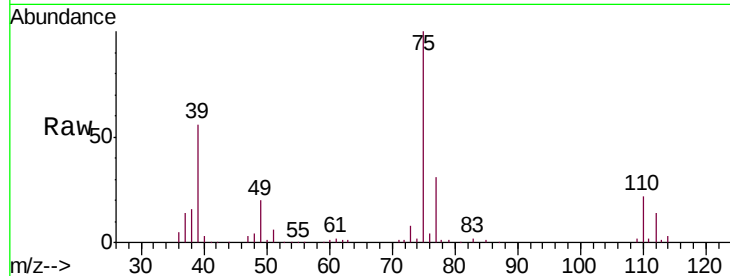




#39
 cis-1,3-Dichloropropene
 Concen: 51.113 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

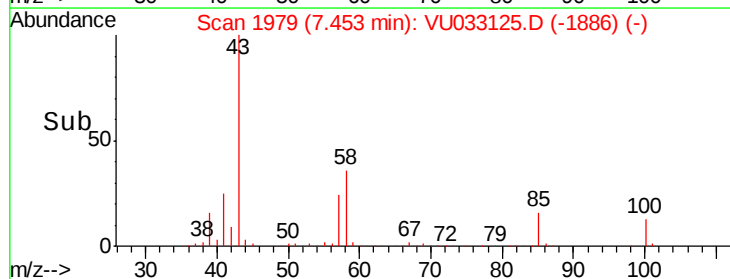
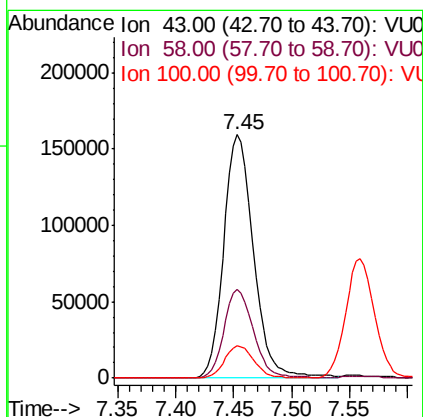
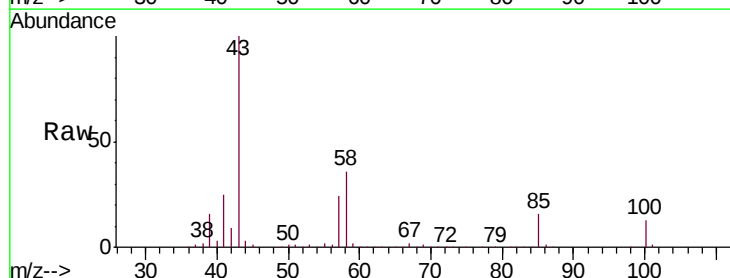
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

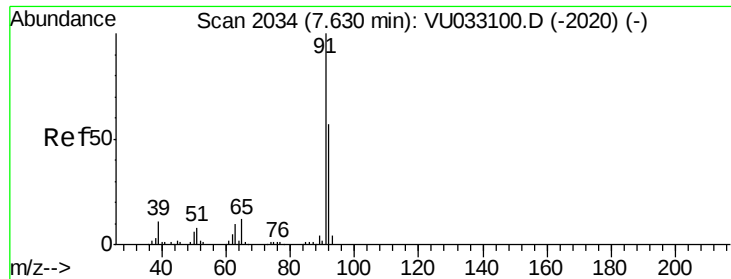
Tgt Ion: 75 Resp: 127735
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 111.547 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion: 43 Resp: 285666
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.2
 100 13.2 11.2 16.8





#42

Toluene

Concen: 53.470 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

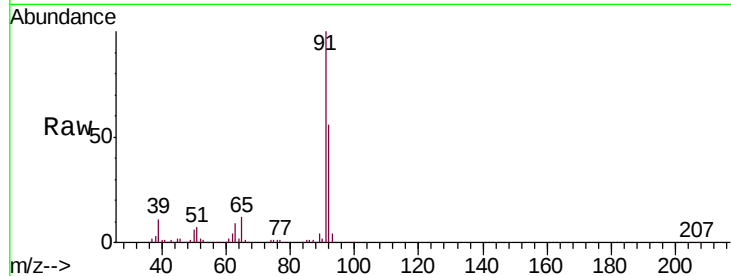
VSTD05044

Tgt Ion: 91 Resp: 338302

Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU033100.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU033100.D (-2020) (-)

7.63

200000

150000

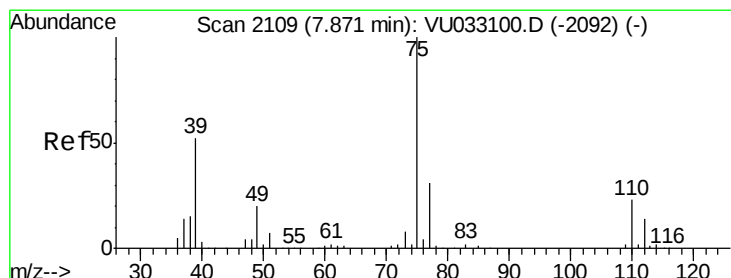
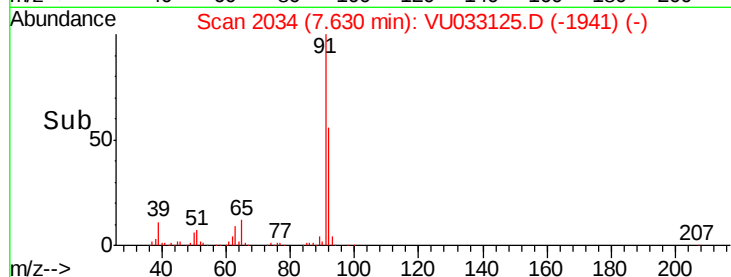
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.959 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033125.D

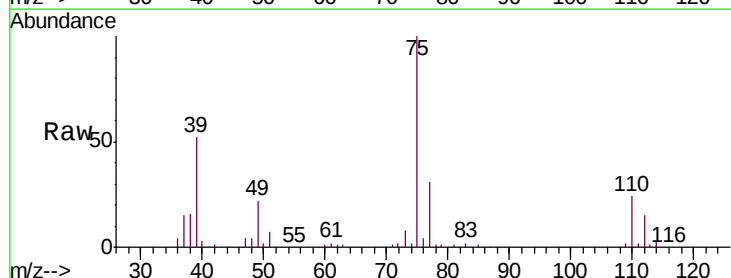
Acq: 01 Jul 2019 19:42

Tgt Ion: 75 Resp: 121962

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033100.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU033100.D (-2092) (-)

7.87

80000

60000

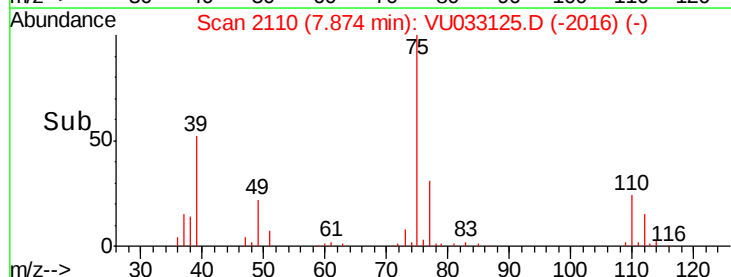
40000

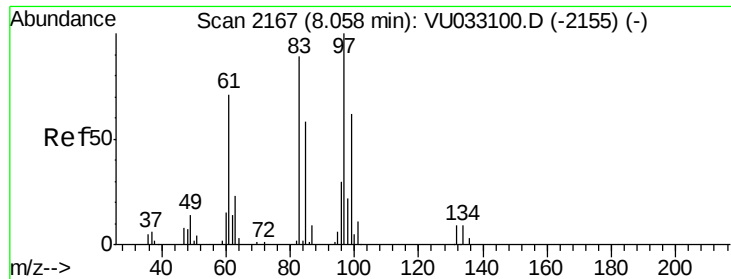
20000

0

7.80 7.90 8.00

Time-->

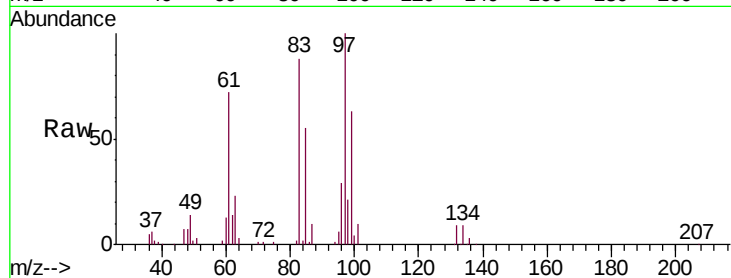




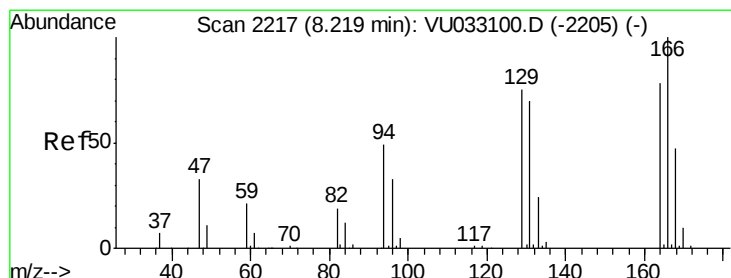
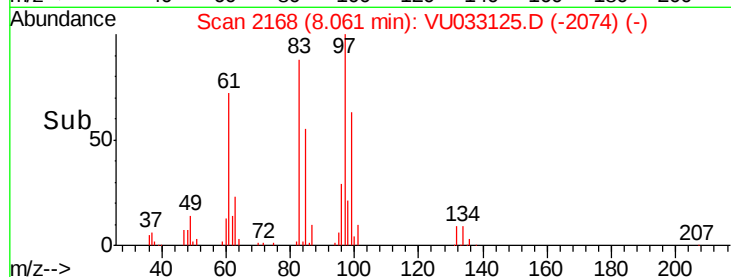
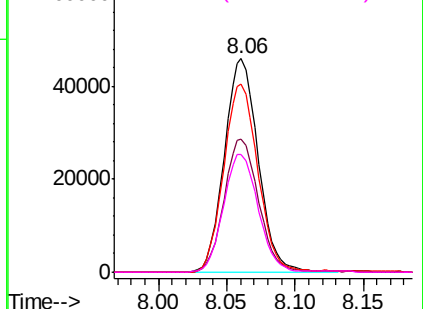
#45
 1,1,2-Trichloroethane
 Concen: 53.074 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion:	97	Resp:	79240
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.1	80.1
83	88.3	61.4	114.0
85	55.4	39.2	72.8

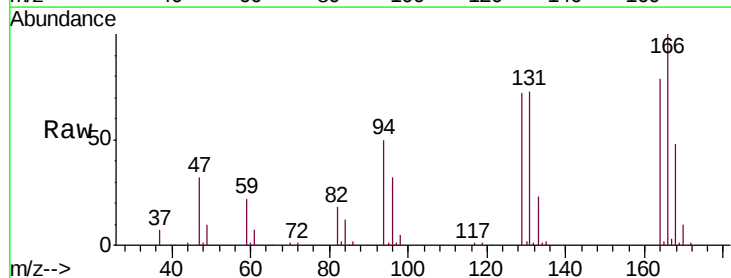


Abundance Ion 97.00 (96.70 to 97.70): VU033100.D (-2155) (-)

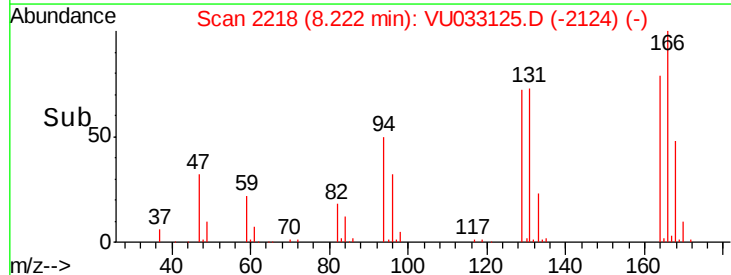
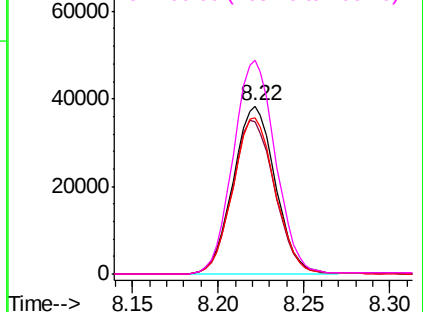


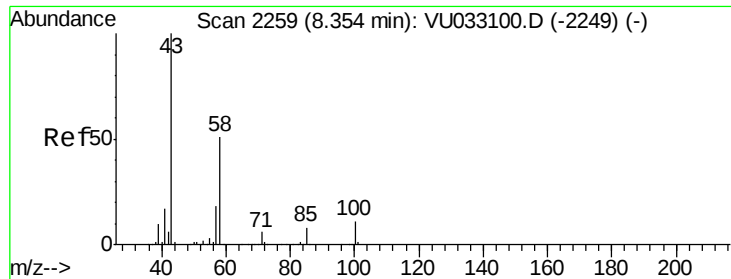
#46
 Tetrachloroethene
 Concen: 51.136 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion:	164	Resp:	65469
Ion	Ratio	Lower	Upper
164	100		
129	90.9	64.8	120.3
131	93.1	64.5	119.7
166	127.0	91.3	169.6



Abundance Ion 164.00 (163.70 to 164.70): VU033100.D (-2205) (-)

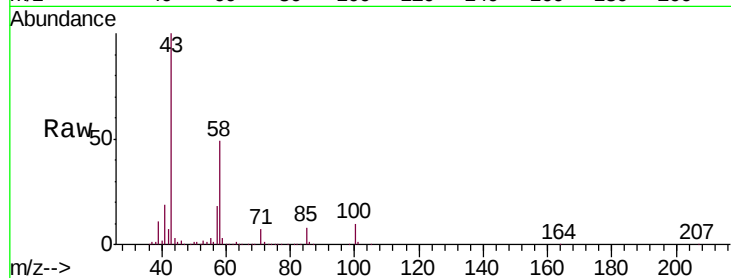




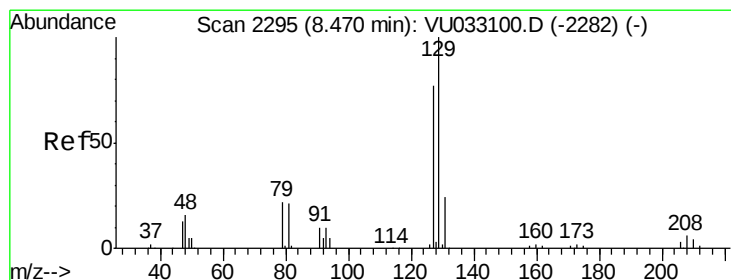
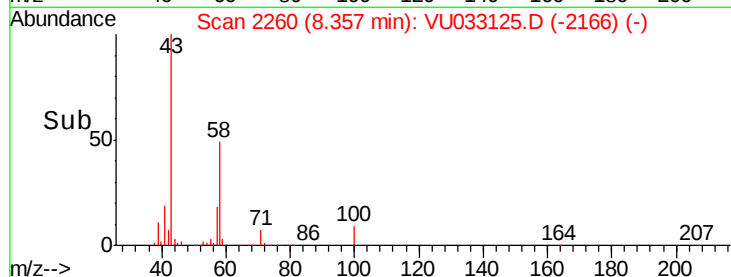
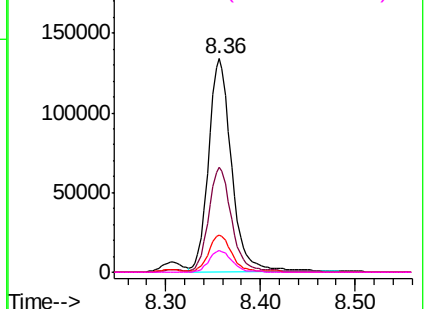
#48
2-Hexanone
Concen: 100.479 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

Tgt Ion:	43	Resp:	227037
Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.2	60.2
57	16.8	14.2	21.4
100	10.2	8.4	12.6

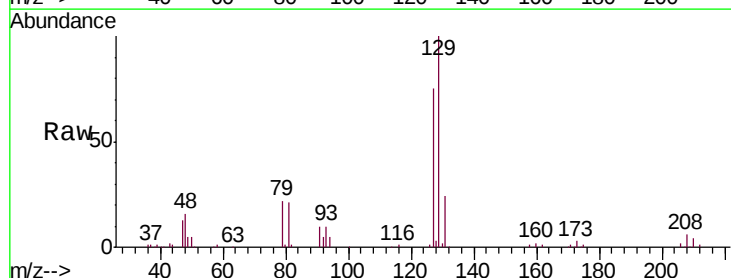


Abundance Ion 43.00 (42.70 to 43.70): VU033100.D (-2249) (-)
Ion 58.00 (57.70 to 58.70): VU033100.D (-2249) (-)
Ion 57.00 (56.70 to 57.70): VU033100.D (-2249) (-)
Ion 100.00 (99.70 to 100.70): VU033100.D (-2249) (-)

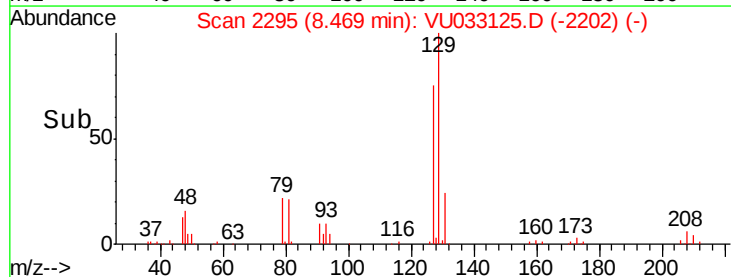
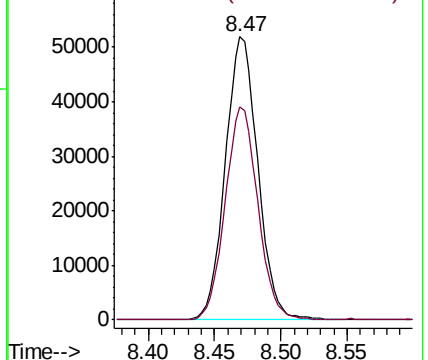


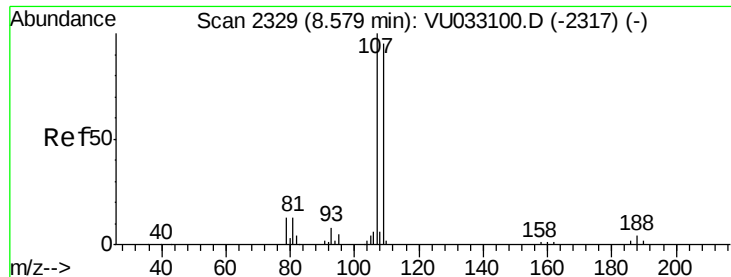
#49
Dibromochloromethane
Concen: 49.235 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion:	129	Resp:	88617
Ion	Ratio	Lower	Upper
129	100		
127	75.1	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU033100.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU033100.D (-2282) (-)

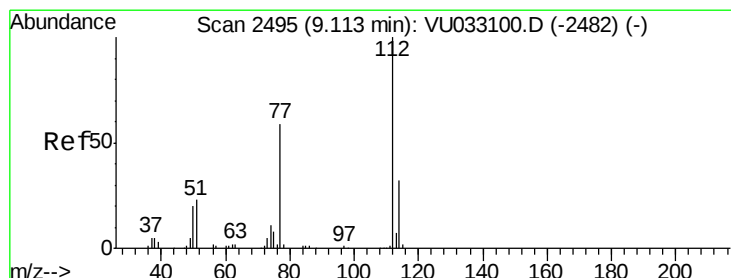
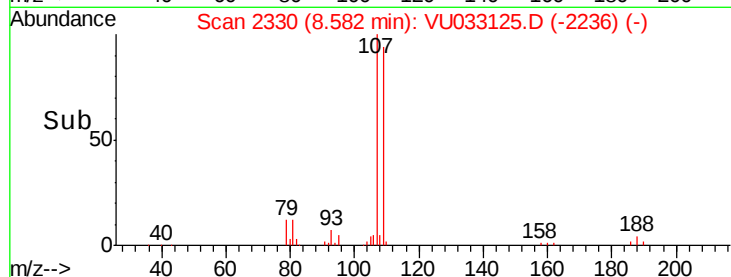
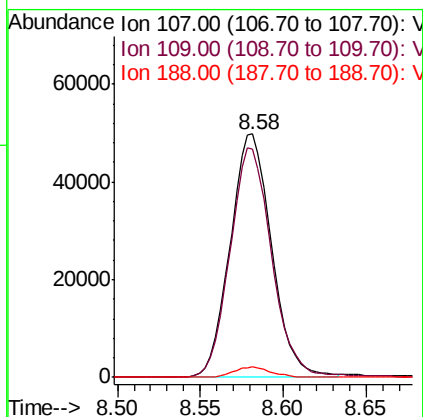
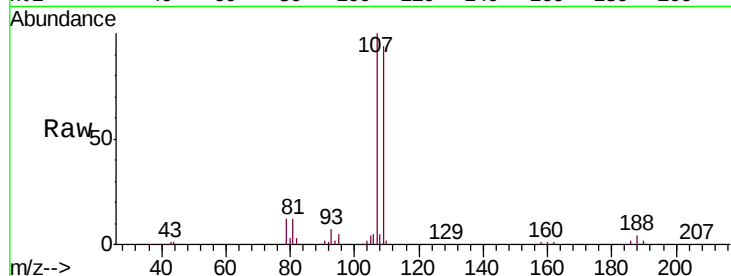




#50
1,2-Dibromoethane
Concen: 52.172 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

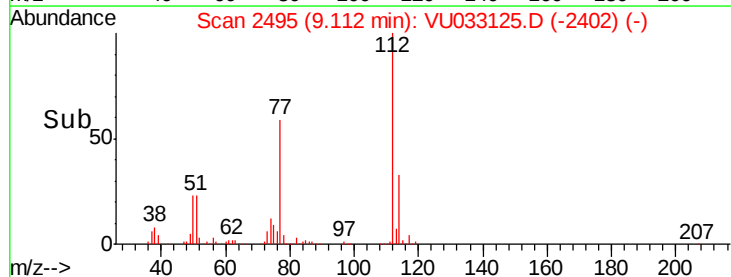
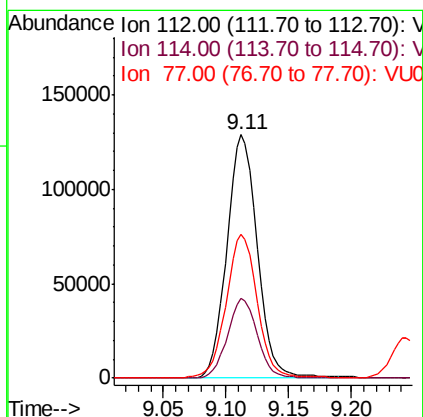
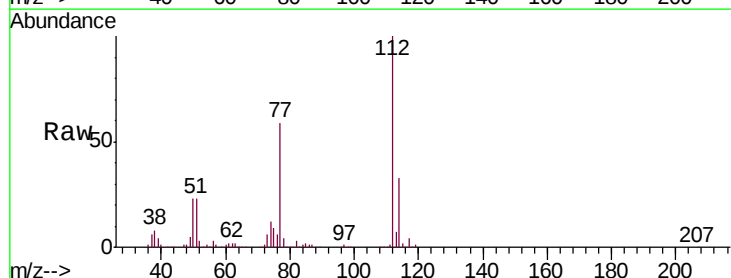
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

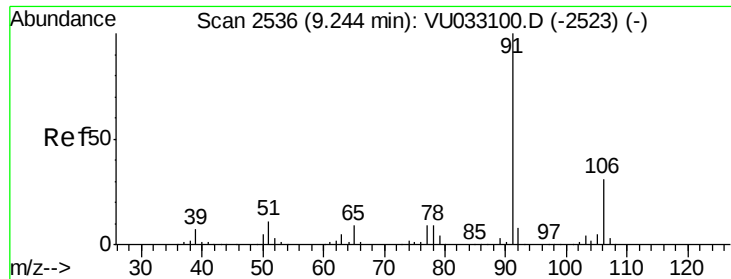
Tgt Ion:107 Resp: 86504
Ion Ratio Lower Upper
107 100
109 93.9 65.4 121.4
188 4.2 3.1 4.7



#51
Chlorobenzene
Concen: 52.238 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion:112 Resp: 217490
Ion Ratio Lower Upper
112 100
114 32.6 22.8 42.4
77 59.2 46.3 69.5





#52

Ethylbenzene

Concen: 53.254 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

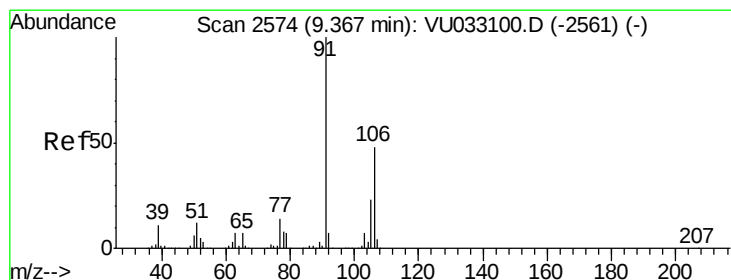
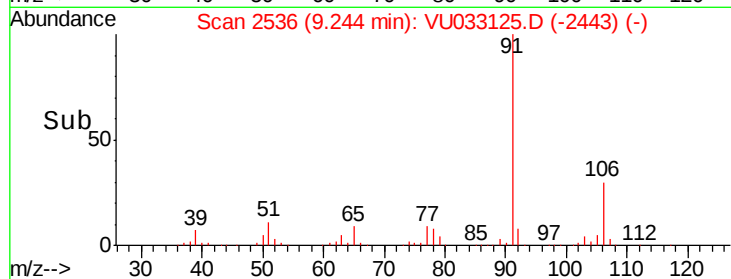
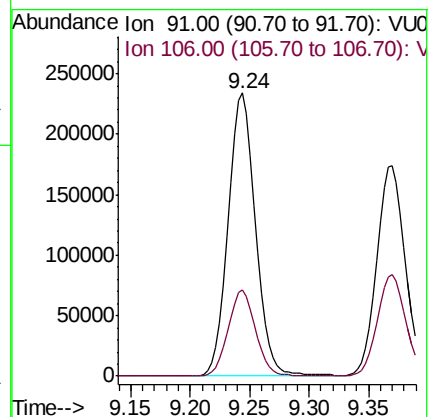
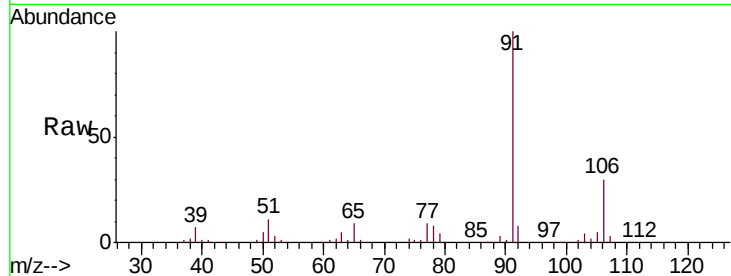
VSTD05044

Tgt Ion: 91 Resp: 372953

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#53

m,p-Xylene

Concen: 52.611 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033125.D

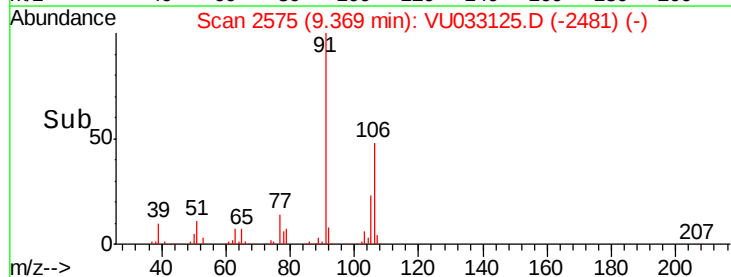
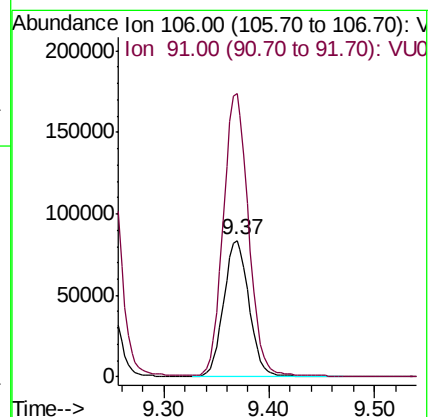
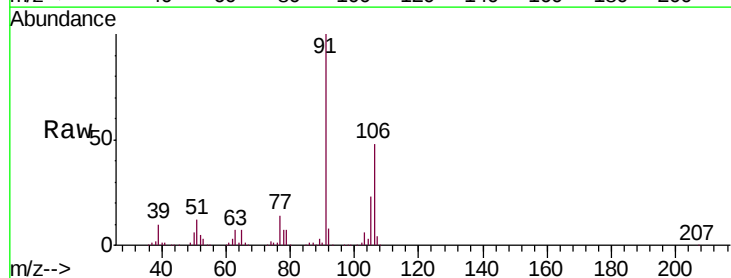
Acq: 01 Jul 2019 19:42

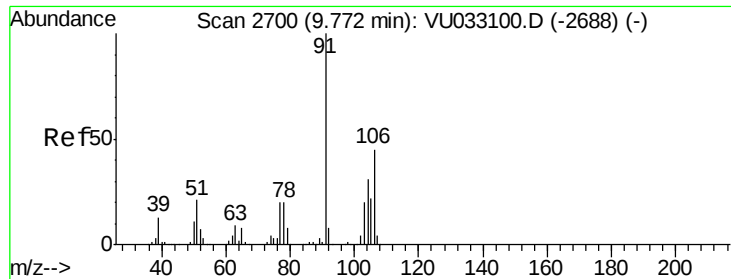
Tgt Ion: 106 Resp: 139014

Ion Ratio Lower Upper

106 100

91 207.3 142.9 265.5

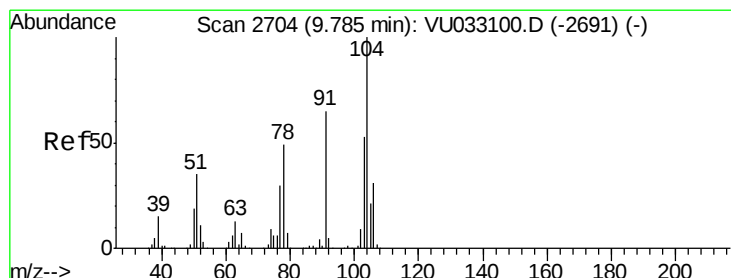
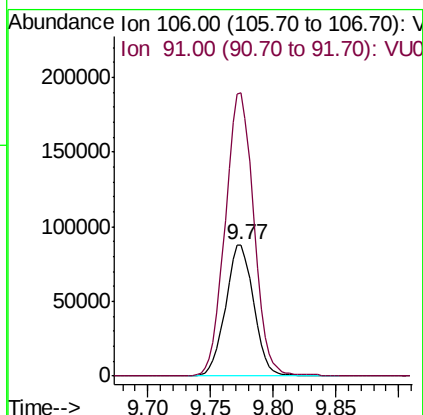
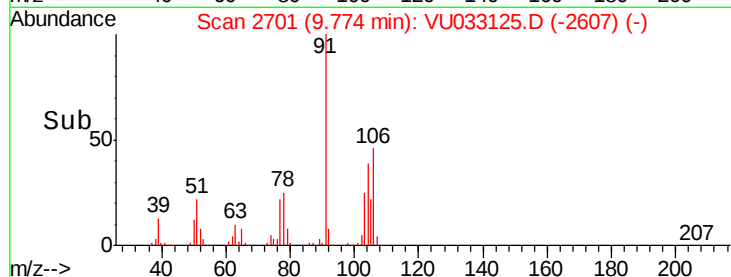
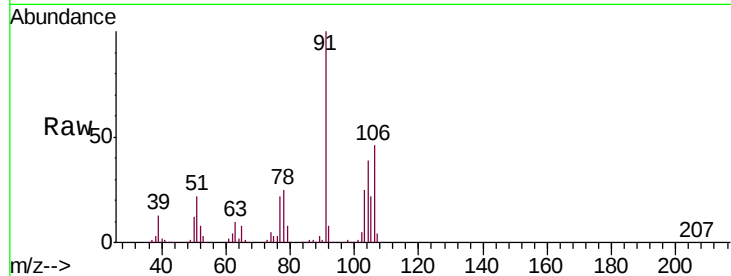




#54
o-xylene
Concen: 53.360 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

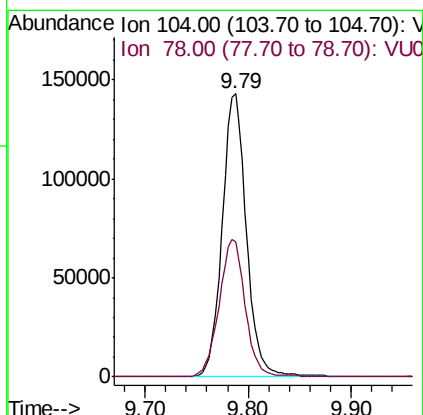
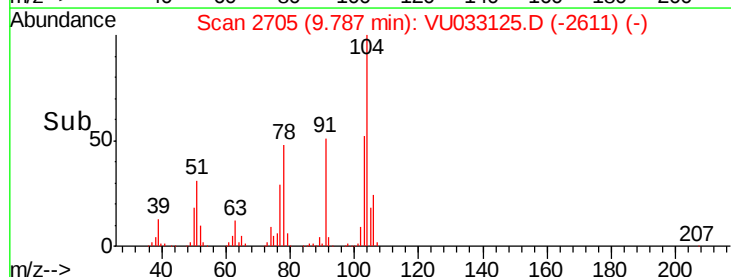
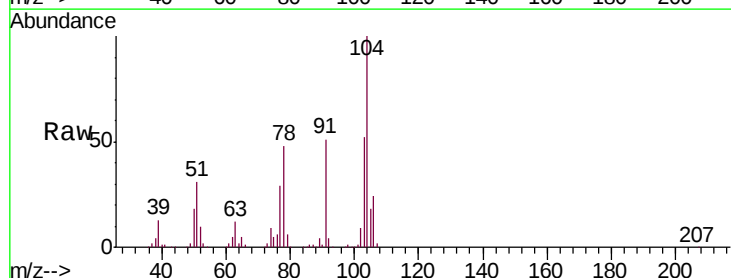
Instrument :
MSVOA_U
ClientSampleId :
VSTD05044

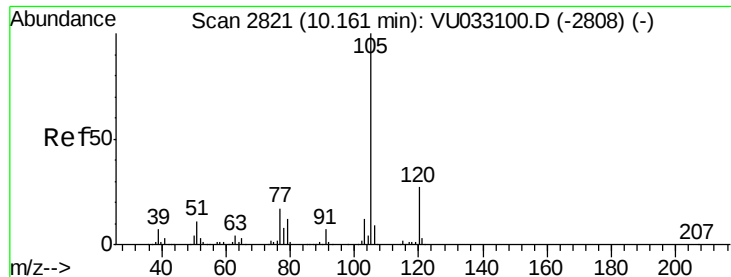
Tgt Ion:106 Resp: 137690
Ion Ratio Lower Upper
106 100
91 215.4 152.9 284.1



#55
Styrene
Concen: 52.298 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU033125.D
Acq: 01 Jul 2019 19:42

Tgt Ion:104 Resp: 234111
Ion Ratio Lower Upper
104 100
78 47.7 32.1 59.5





#56

Isopropylbenzene

Concen: 52.166 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

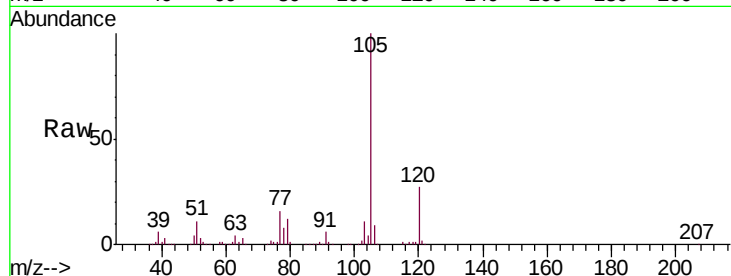
Tgt Ion: 105 Resp: 362764

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.0

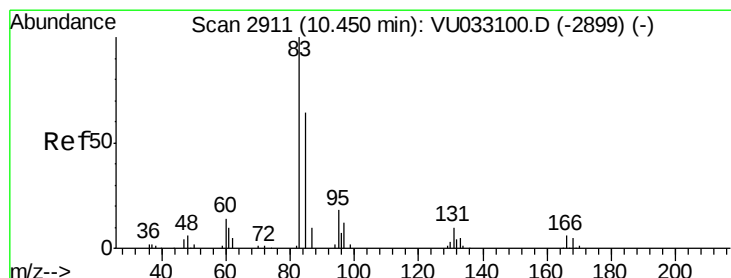
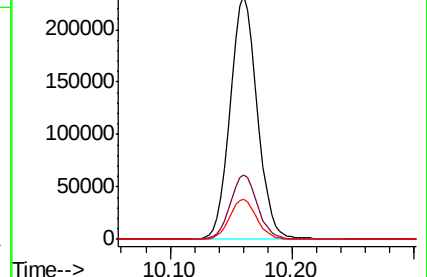
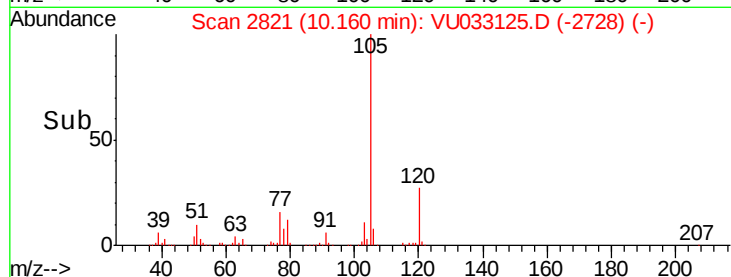
77 16.7 13.0 19.4



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: 51.548 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

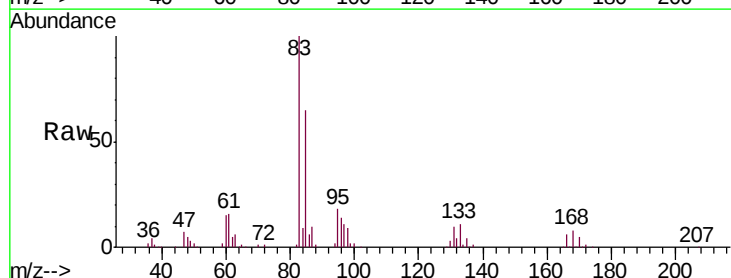
Tgt Ion: 83 Resp: 139262

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.2

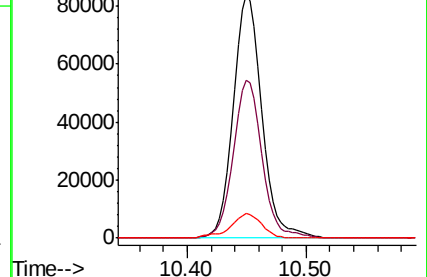
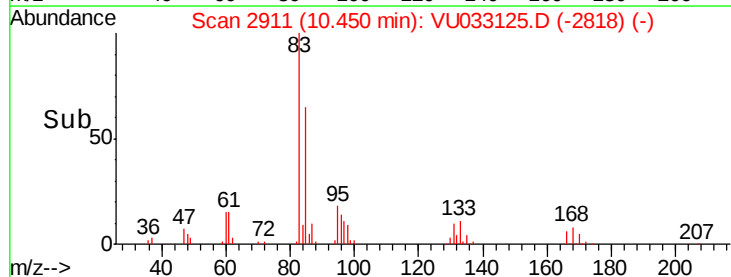
131 10.1 7.8 11.8

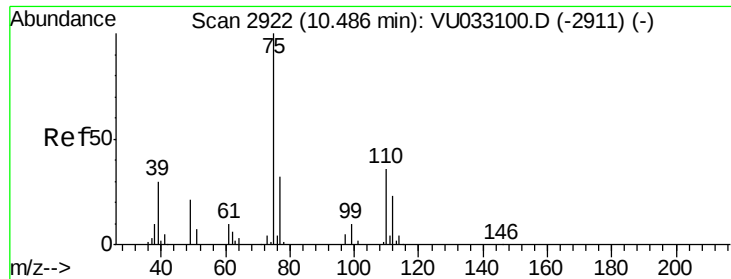


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

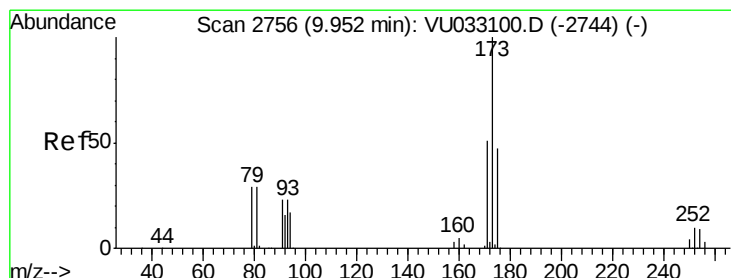
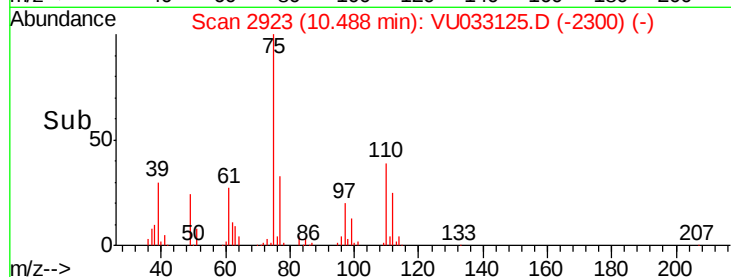
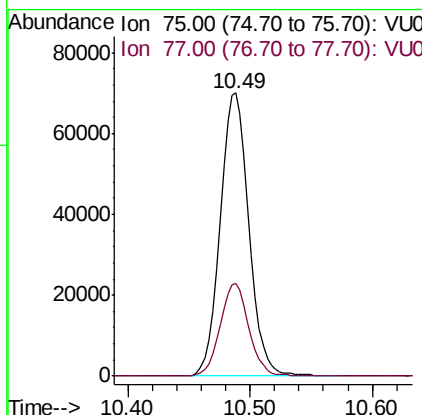
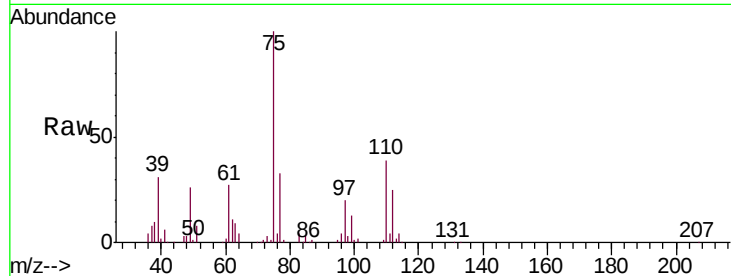




#59
 1,2,3-Trichloropropane
 Concen: 54.028 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

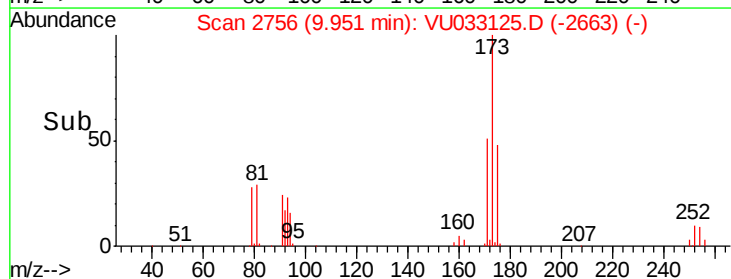
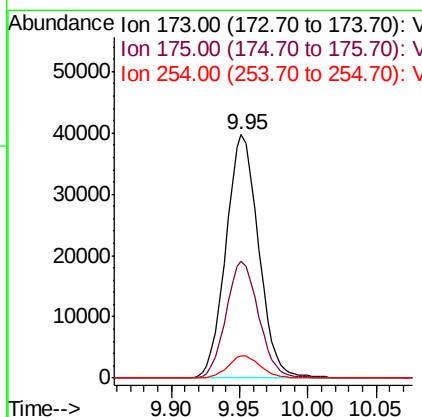
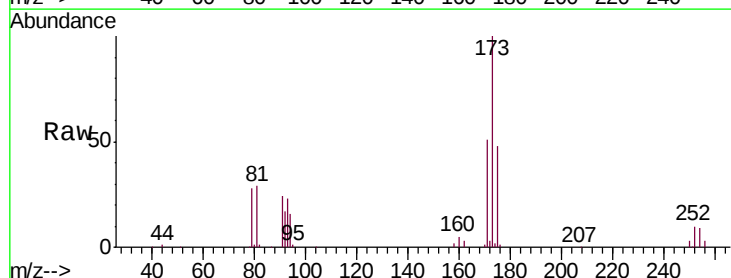
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

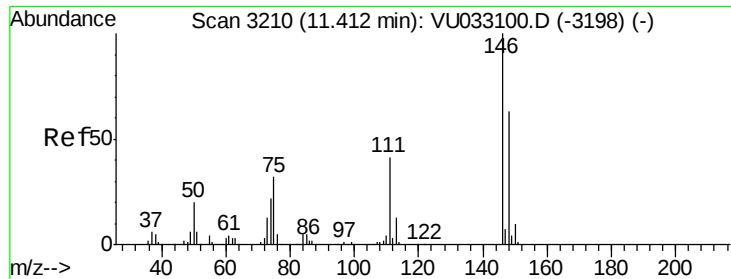
Tgt Ion: 75 Resp: 115657
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.5 38.3



#61
 Bromoform
 Concen: 47.273 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion: 173 Resp: 66252
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.0 58.4
 254 9.1 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 51.172 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

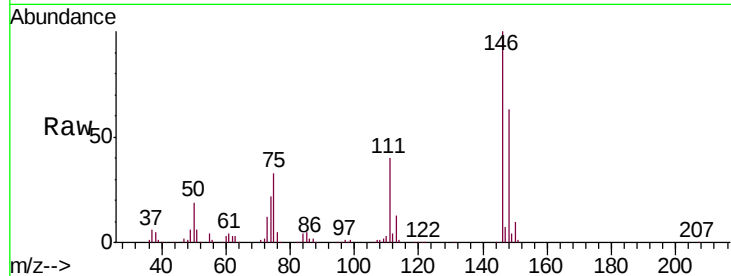
Tgt Ion:146 Resp: 170718

Ion Ratio Lower Upper

146 100

111 39.8 28.4 52.8

148 62.7 45.5 84.5

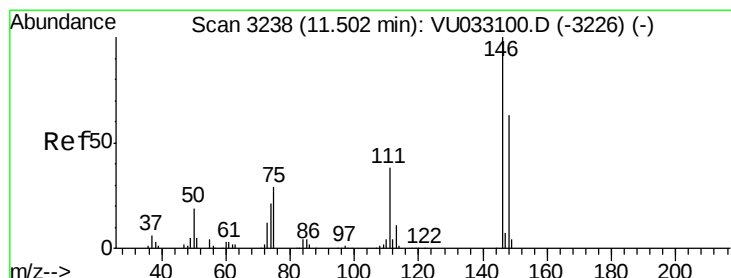
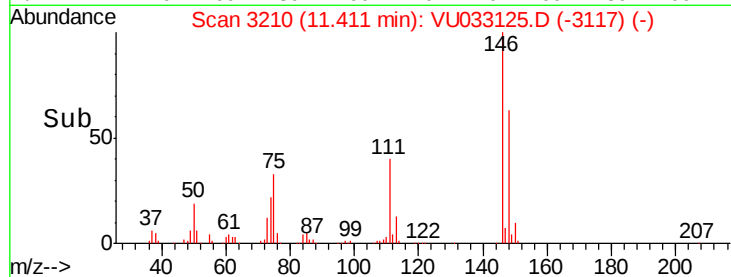
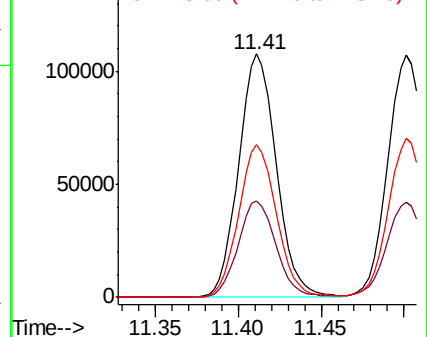


Abundance

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: 50.517 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

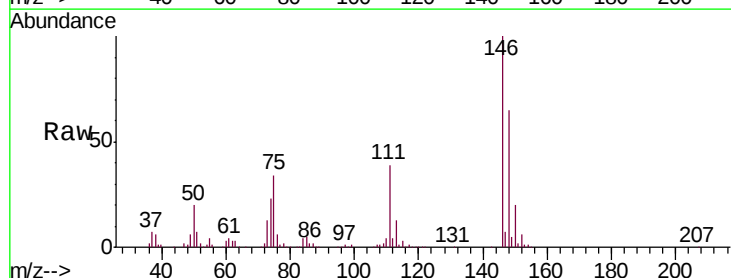
Tgt Ion:146 Resp: 174073

Ion Ratio Lower Upper

146 100

111 39.4 26.9 50.1

148 65.3 44.7 83.1

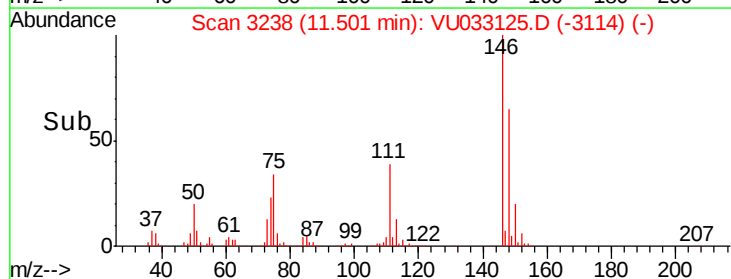
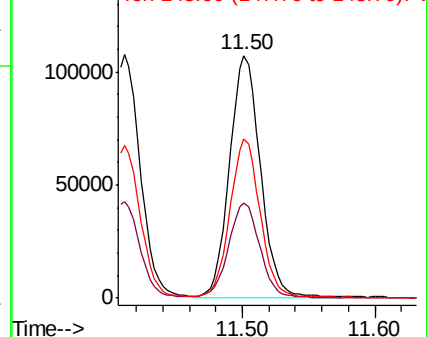


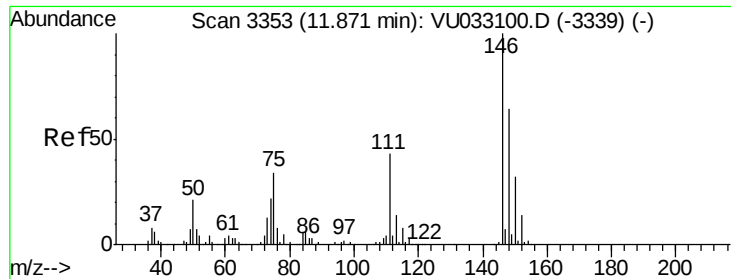
Abundance

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: 50.720 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

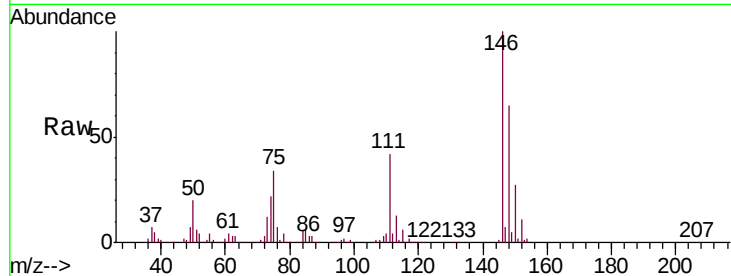
Tgt Ion:146 Resp: 172771

Ion Ratio Lower Upper

146 100

111 42.0 34.1 51.1

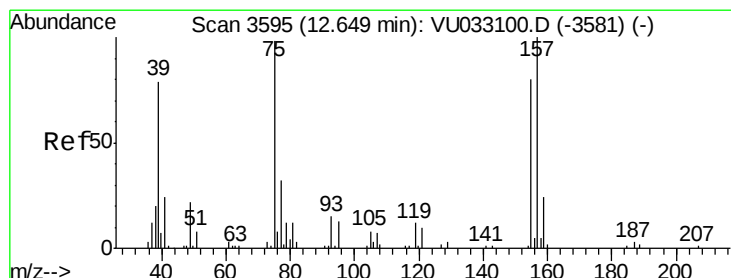
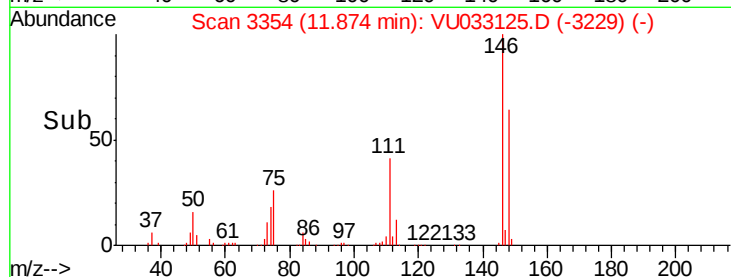
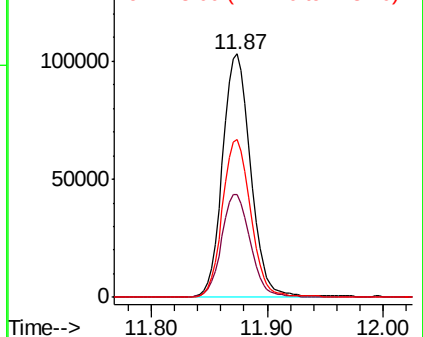
148 64.6 52.0 78.0



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: 49.061 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

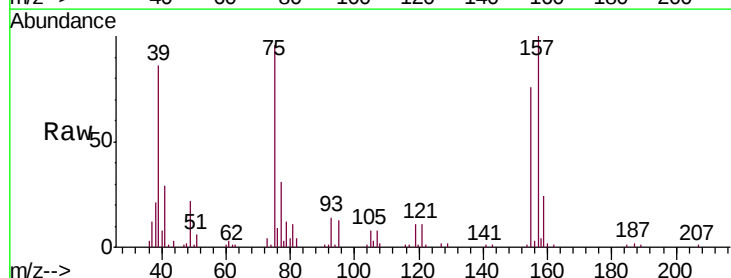
Tgt Ion: 75 Resp: 31884

Ion Ratio Lower Upper

75 100

155 78.9 67.4 101.2

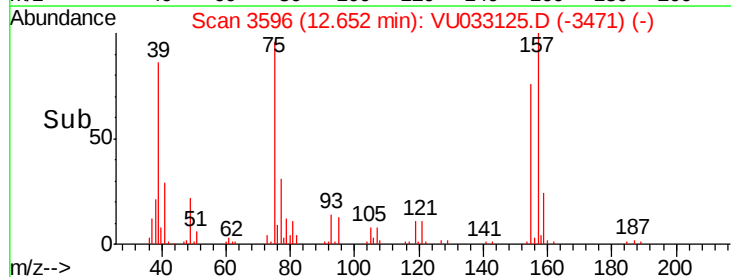
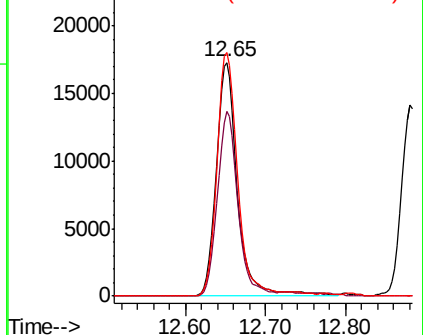
157 104.2 85.5 128.3

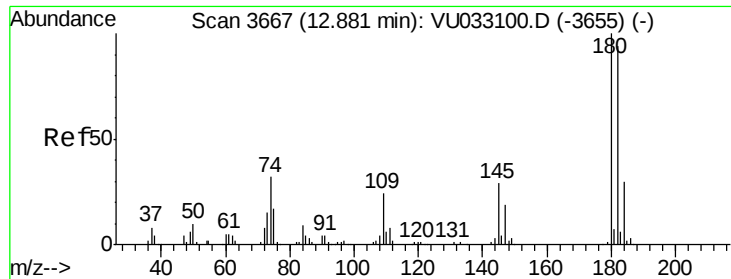


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

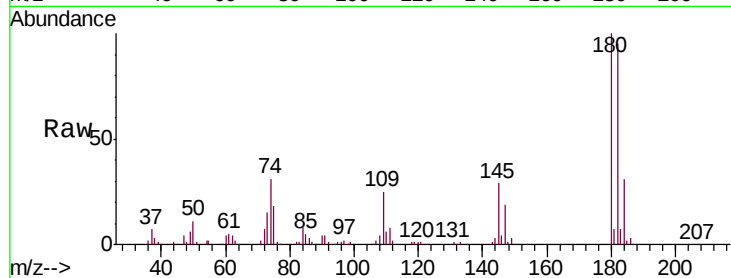




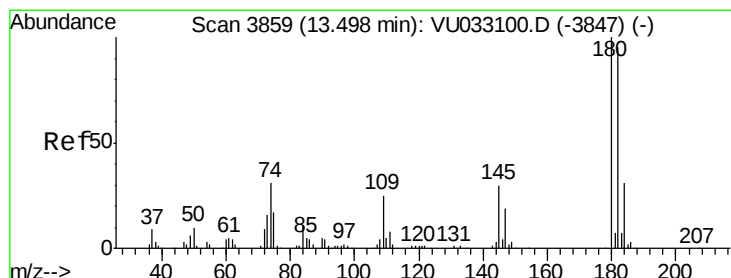
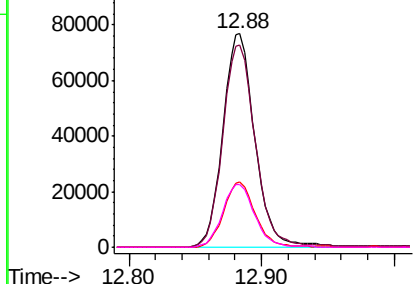
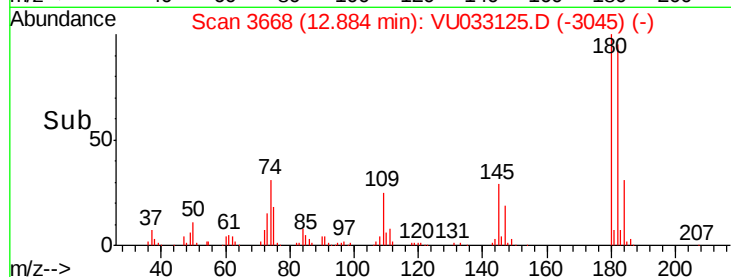
#67
 1,3,5-Trichlorobenzene
 Concen: 48.170 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05044

Tgt Ion:180 Resp: 129125
 Ion Ratio Lower Upper
 180 100
 182 95.5 78.3 117.5
 184 30.2 24.8 37.2
 145 29.8 23.4 35.2

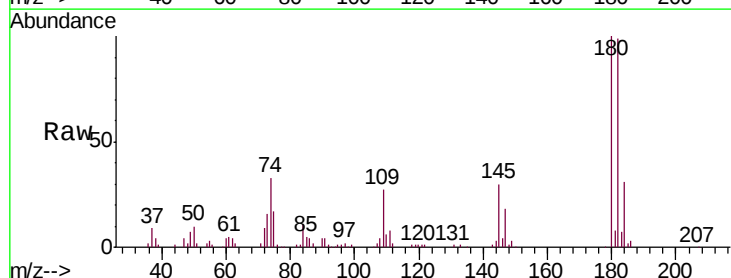


Abundance Ion 180.00 (179.70 to 180.70): V
 120000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

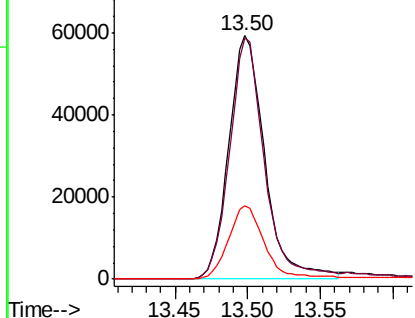
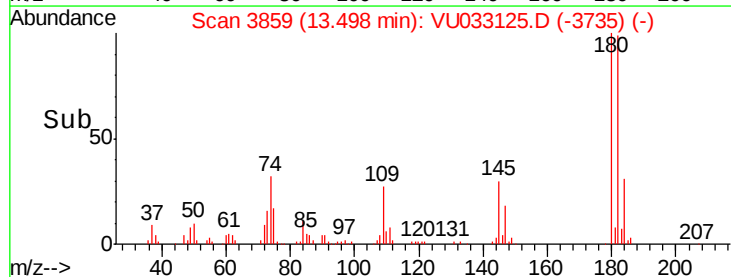


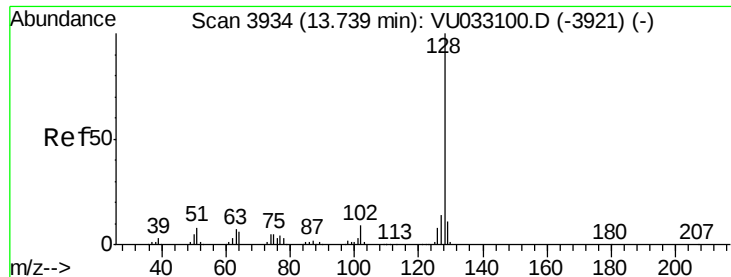
#68
 1,2,4-trichlorobenzene
 Concen: 44.238 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU033125.D
 Acq: 01 Jul 2019 19:42

Tgt Ion:180 Resp: 102038
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.2 114.4
 145 30.4 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 80000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 40.817 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05044

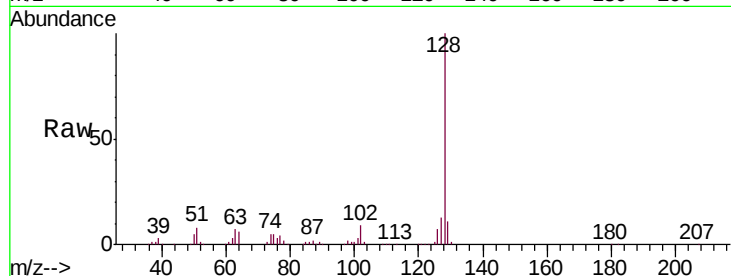
Tgt Ion:128 Resp: 289471

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

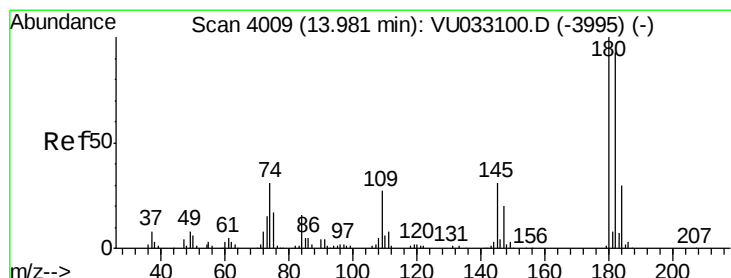
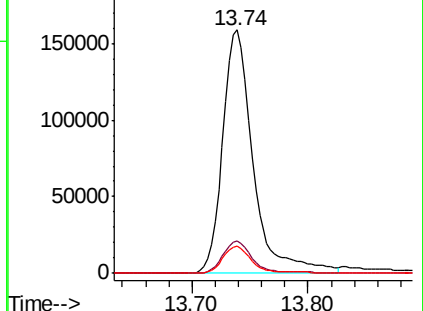
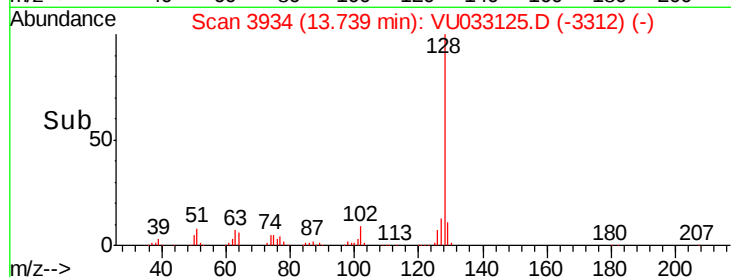
129 10.3 8.6 13.0



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: 45.028 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033125.D

Acq: 01 Jul 2019 19:42

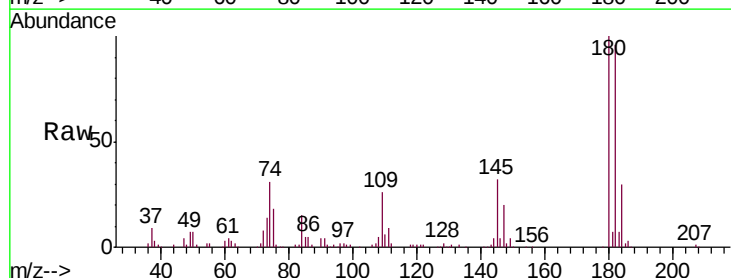
Tgt Ion:180 Resp: 109947

Ion Ratio Lower Upper

180 100

182 97.8 77.0 115.6

145 31.7 25.5 38.3



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

