

Data File : VU032483.D
Acq On : 06 Jun 2019 08:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Jun 07 04:07:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 04:04:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	219756	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	205280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62863	44.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.18%
7) Chloroethane-d5	1.65	69	51652	45.08	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.16%
11) 1,1-Dichloroethene-d2	2.26	63	130324	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
21) 2-Butanone-d5	4.17	46	106612	89.35	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.35%
24) Chloroform-d	4.64	84	124052	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
26) 1,2-Dichloroethane-d4	5.30	65	78144	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.33	84	249928	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.32	67	78561	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.02%
41) Toluene-d8	7.56	98	237720	47.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.08%
43) trans-1,3-Dichloropropene-	7.84	79	39810	49.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.56%
47) 2-Hexanone-d5	8.31	63	77875	96.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.08%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116759	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	102567	47.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	97062	48.993	ug/L	99
3) Chloromethane	1.32	50	91910	48.011	ug/L	98
5) Vinyl chloride	1.40	62	89935	47.030	ug/L	99
6) Bromomethane	1.60	94	51809	45.463	ug/L	100
8) Chloroethane	1.68	64	51238	45.077	ug/L	99
9) Trichlorofluoromethane	1.87	101	124528	48.225	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	66713	49.676	ug/L	99
12) 1,1-Dichloroethene	2.27	96	63686	48.840	ug/L	90
13) Acetone	2.32	43	118261	96.060	ug/L	99
14) Carbon disulfide	2.46	76	193318	48.793	ug/L	99
15) Methyl Acetate	2.61	43	79480	45.217	ug/L	97
16) Methylene chloride	2.69	84	72232	48.546	ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	68025	48.141	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	220700	47.542	ug/L	100
19) 1,1-Dichloroethane	3.43	63	124291	48.250	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	76717	47.973	ug/L	100
22) 2-Butanone	4.25	43	138828	95.412	ug/L	99

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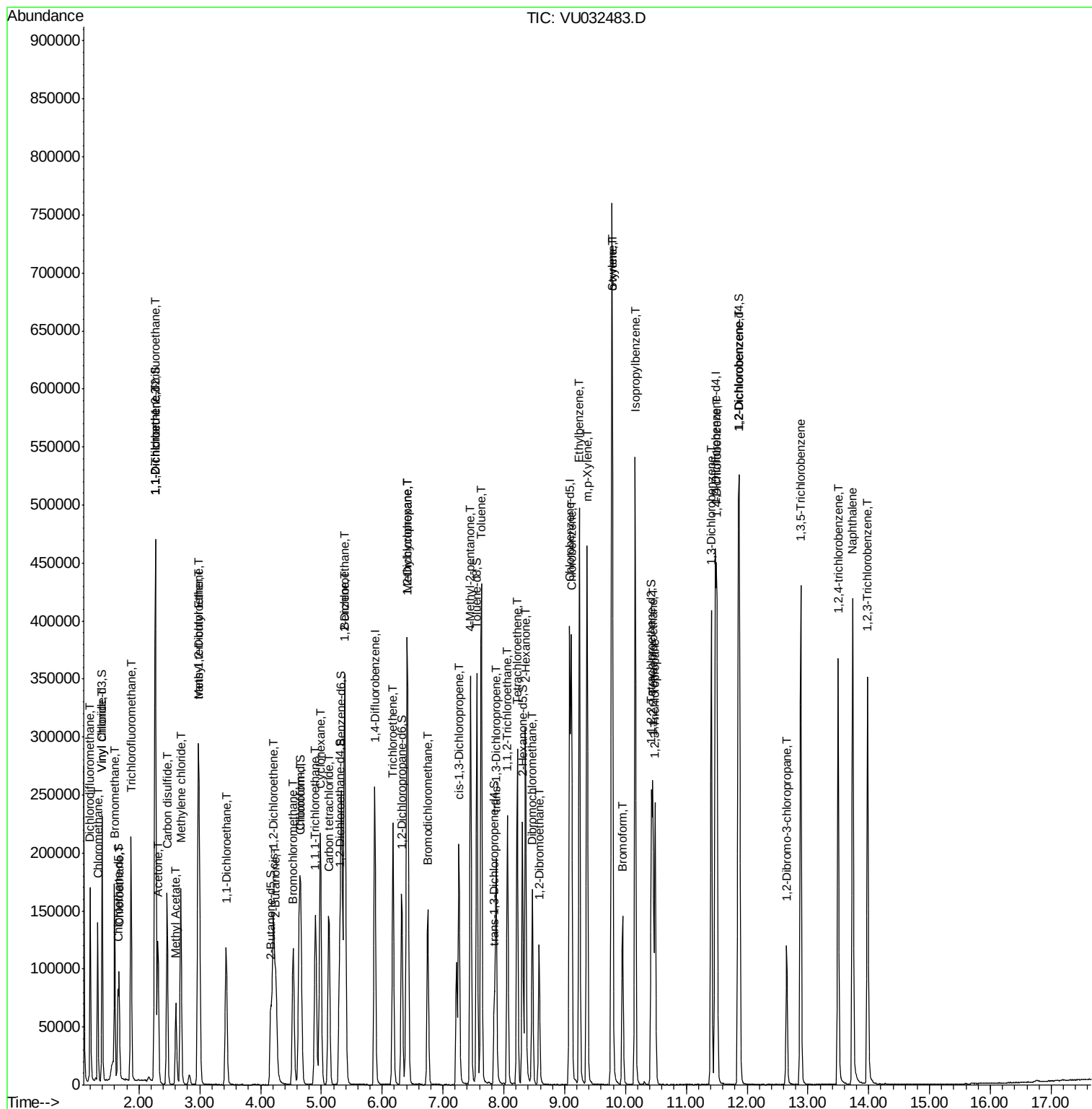
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	40264	48.423	ug/L	98
25) Chloroform	4.66	83	128017	48.158	ug/L	98
27) 1,2-Dichloroethane	5.40	62	100194	47.679	ug/L	100
29) Cyclohexane	4.98	56	118094	48.366	ug/L	98
30) 1,1,1-Trichloroethane	4.90	97	113809	48.974	ug/L	99
31) Carbon tetrachloride	5.12	117	105687	49.621	ug/L	99
33) Benzene	5.38	78	279528	48.464	ug/L	100
34) Trichloroethene	6.18	95	74446	47.443	ug/L	99
35) Methylcyclohexane	6.41	83	125864	49.546	ug/L	100
37) 1,2-Dichloropropane	6.42	63	75726	49.528	ug/L	100
38) Bromodichloromethane	6.75	83	96735	49.136	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	122499	50.780	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	231104	93.956	ug/L	100
42) Toluene	7.63	91	308177	48.788	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	107810	50.351	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	71053	49.143	ug/L	99
46) Tetrachloroethene	8.22	164	64871	50.054	ug/L	99
48) 2-Hexanone	8.36	43	195150	96.595	ug/L	100
49) Dibromochloromethane	8.47	129	84698	50.399	ug/L	99
50) 1,2-Dibromoethane	8.58	107	78797	48.419	ug/L	97
51) Chlorobenzene	9.11	112	200353	49.232	ug/L	100
52) Ethylbenzene	9.24	91	347331	49.331	ug/L	100
53) m,p-Xylene	9.37	106	132155	49.361	ug/L	99
54) o-xylene	9.77	106	131780	49.574	ug/L	100
55) Styrene	9.79	104	221958	50.016	ug/L	99
56) Isopropylbenzene	10.16	105	347363	49.556	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	121097	49.005	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	95451	48.024	ug/L	99
61) Bromoform	9.95	173	66291	49.235	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	167280	48.961	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	167866	48.058	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	171119	49.538	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	28576	49.170	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	137368	51.677	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	118601	52.666	ug/L	99
69) Naphthalene	13.74	128	354041	49.842	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	118943	50.750	ug/L	99

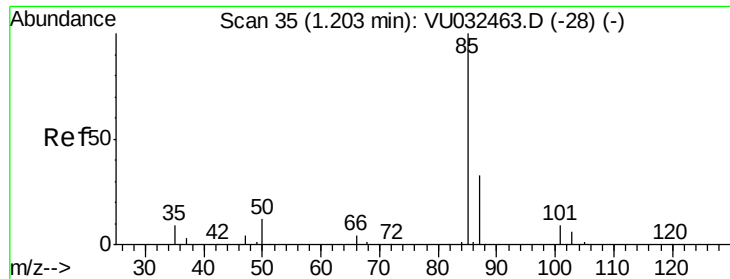
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.993 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

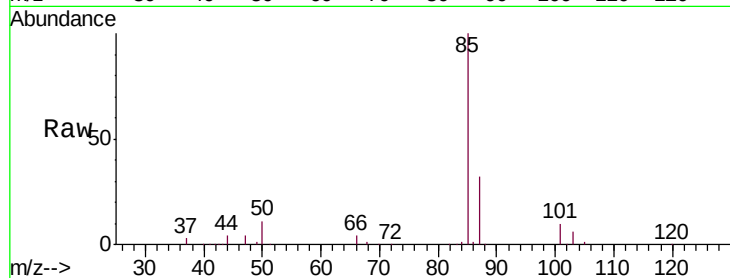
VSTD05032

Tgt Ion: 85 Resp: 97062

Ion Ratio Lower Upper

85 100

87 32.3 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032463.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032463.D (-28) (-)

1.20

100000

80000

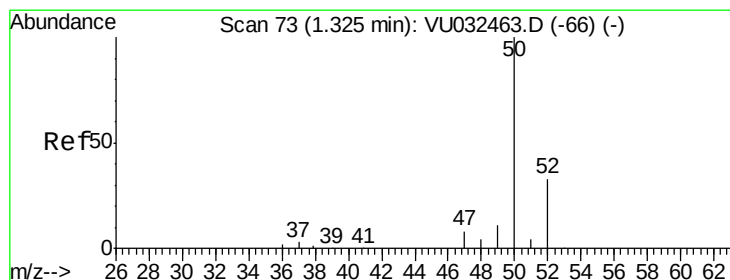
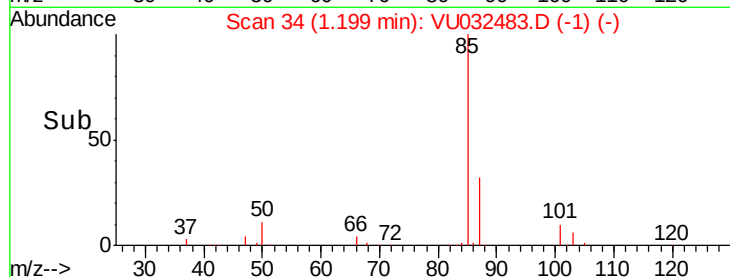
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 48.011 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU032483.D

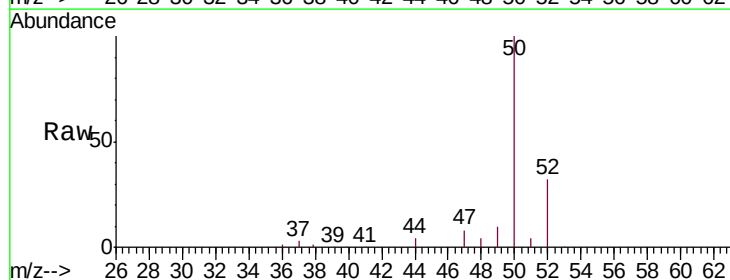
Acq: 06 Jun 2019 08:57

Tgt Ion: 50 Resp: 91910

Ion Ratio Lower Upper

50 100

52 31.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032463.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032463.D (-66) (-)

1.32

100000

80000

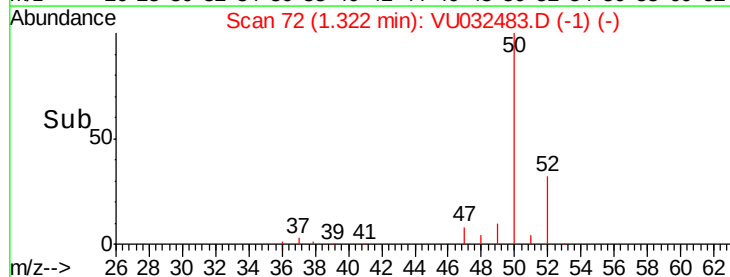
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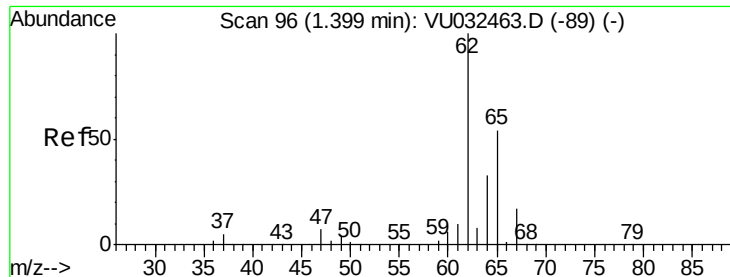
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 47.030 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

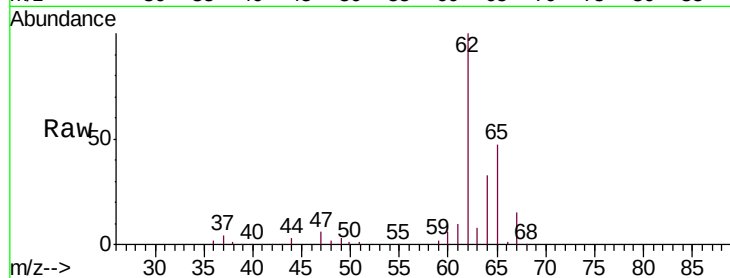
VSTD05032

Tgt Ion: 62 Resp: 89935

Ion Ratio Lower Upper

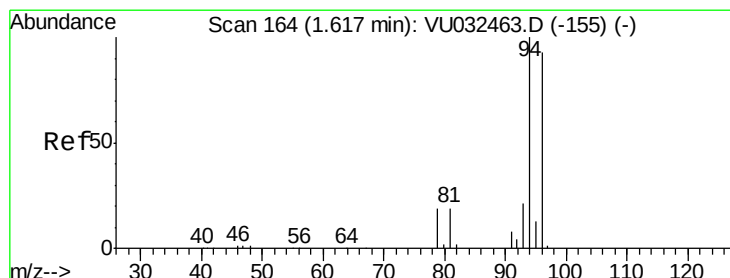
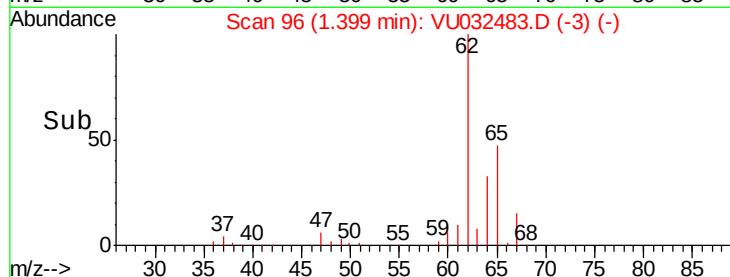
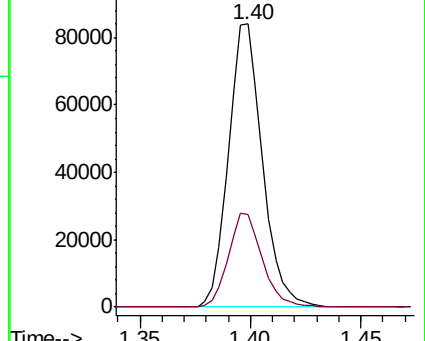
62 100

64 32.8 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032463.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032463.D (-89) (-)



#6

Bromomethane

Concen: 45.463 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.02 min

Lab File: VU032483.D

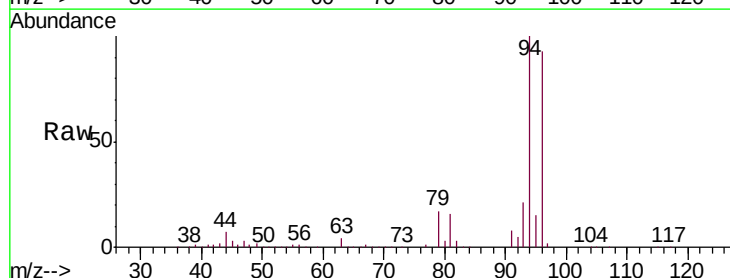
Acq: 06 Jun 2019 08:57

Tgt Ion: 94 Resp: 51809

Ion Ratio Lower Upper

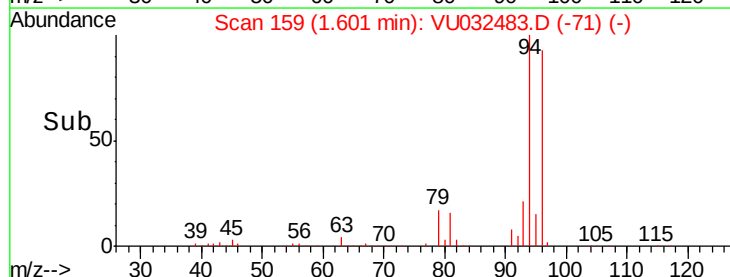
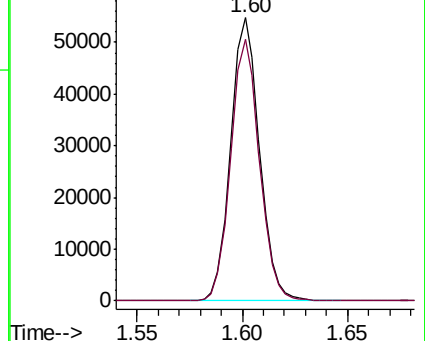
94 100

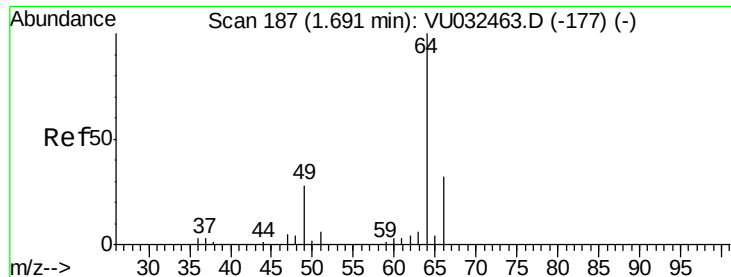
96 92.6 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032463.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032463.D (-155) (-)





#8

Chloroethane

Concen: 45.077 ug/L

RT: 1.68 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

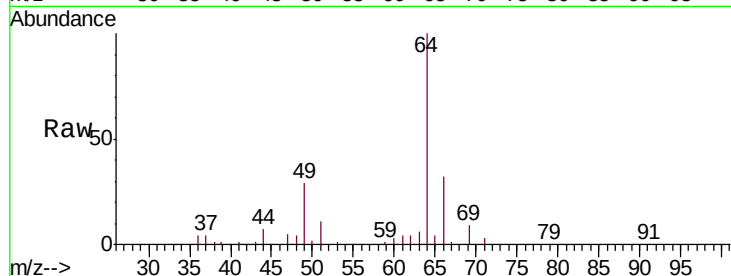
VSTD05032

Tgt Ion: 64 Resp: 51238

Ion Ratio Lower Upper

64 100

66 32.1 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU032483.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU032483.D (-177) (-)

1.68

40000

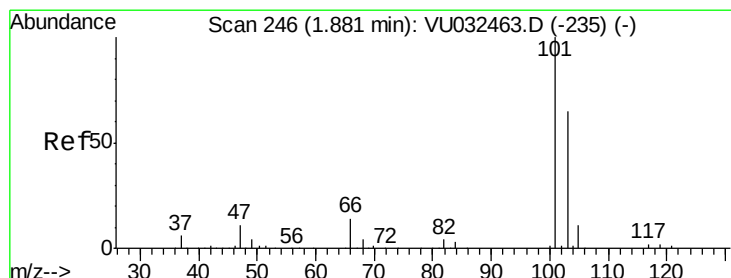
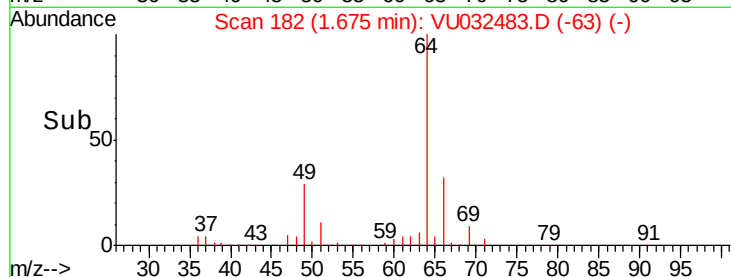
30000

20000

10000

0

Time-->



#9

Trichlorofluoromethane

Concen: 48.225 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.01 min

Lab File: VU032483.D

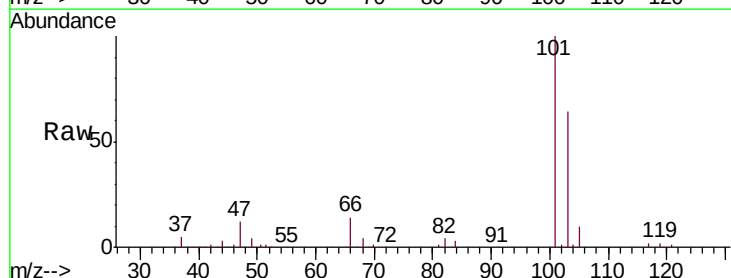
Acq: 06 Jun 2019 08:57

Tgt Ion: 101 Resp: 124528

Ion Ratio Lower Upper

101 100

103 64.0 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VU032483.D (-122) (-)

Ion 103.00 (102.70 to 103.70): VU032483.D (-122) (-)

1.87

100000

80000

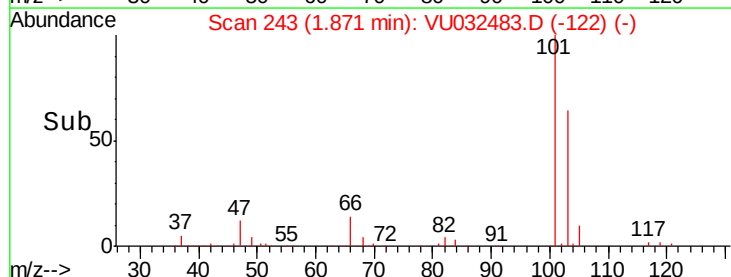
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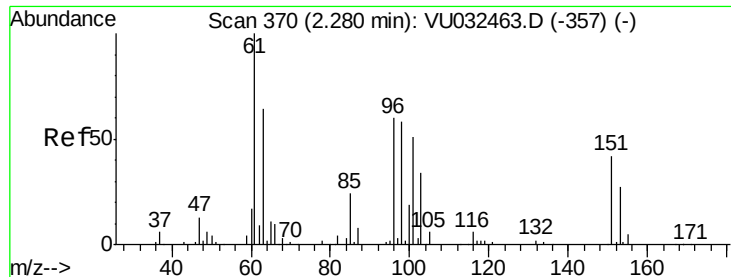
40000

20000

0

Time-->





#10

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

Concen: 49.676 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU032483.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

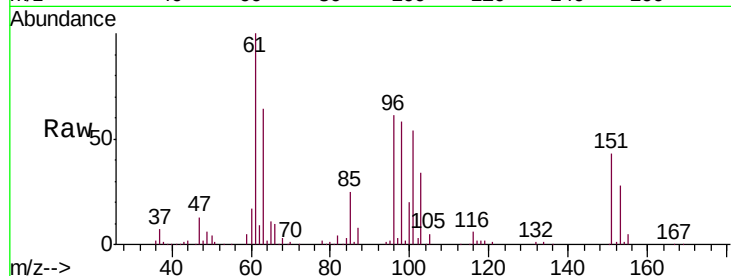
Tgt Ion: 101 Resp: 66713

Ion Ratio Lower Upper

101 100

85 44.9 36.1 54.1

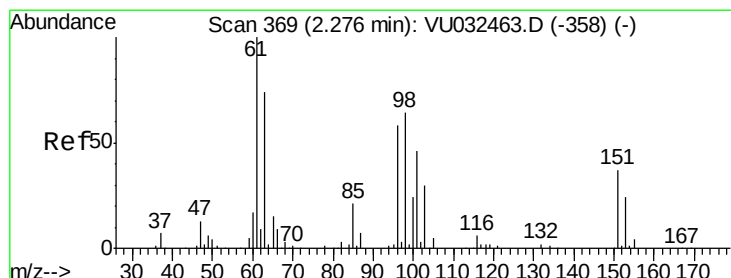
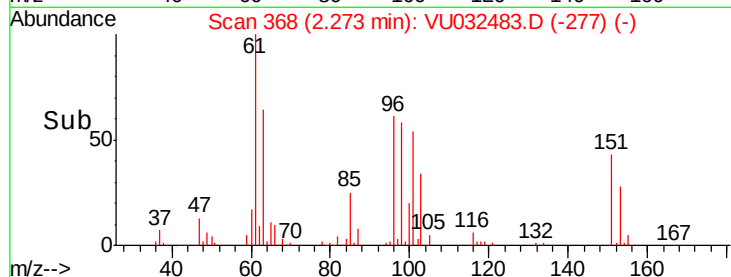
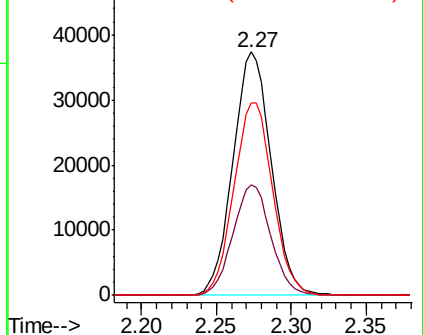
151 80.1 63.0 94.4



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: 48.840 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

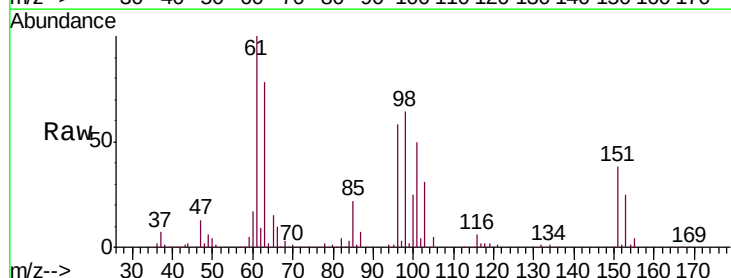
Tgt Ion: 96 Resp: 63686

Ion Ratio Lower Upper

96 100

61 171.2 129.5 240.5

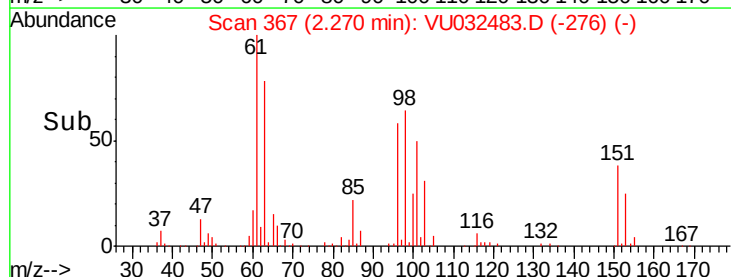
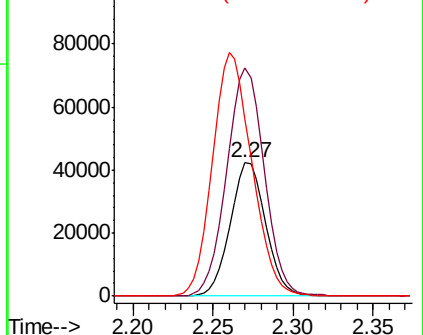
63 133.2 103.4 192.0

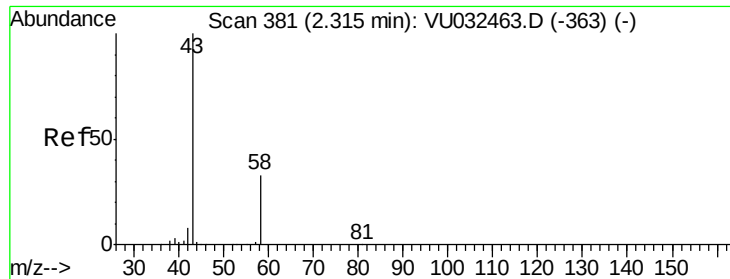


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 96.060 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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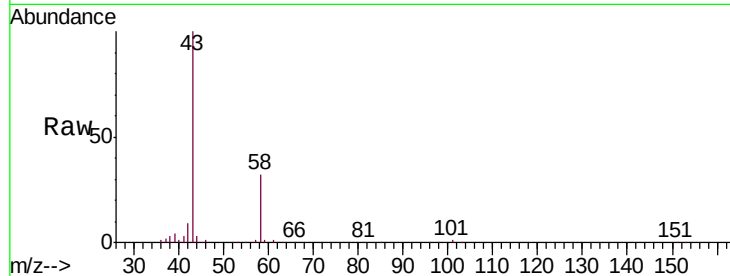
VSTD05032

Tgt Ion: 43 Resp: 118261

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032463.D (-363) (-)

Ion 58.00 (57.70 to 58.70): VU032463.D (-363) (-)

2.32

80000

60000

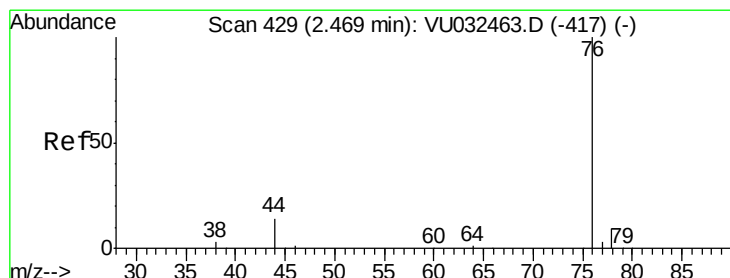
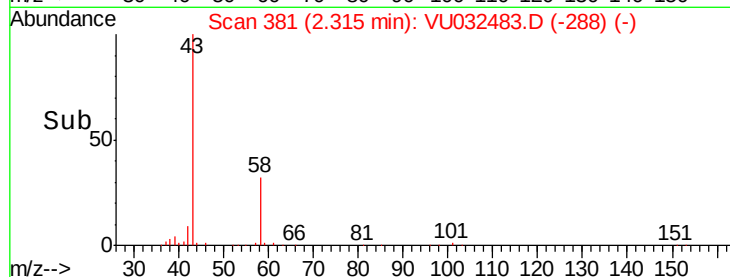
40000

20000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 48.793 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.01 min

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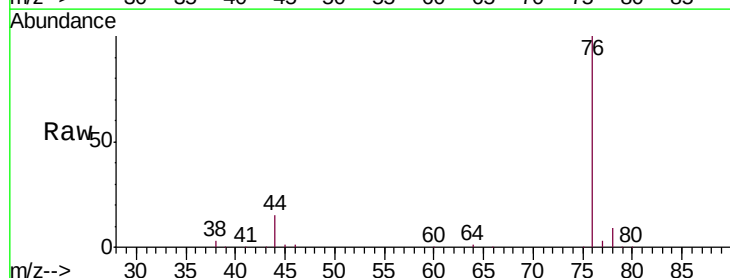
Acq: 06 Jun 2019 08:57

Tgt Ion: 76 Resp: 193318

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032463.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032463.D (-417) (-)

2.46

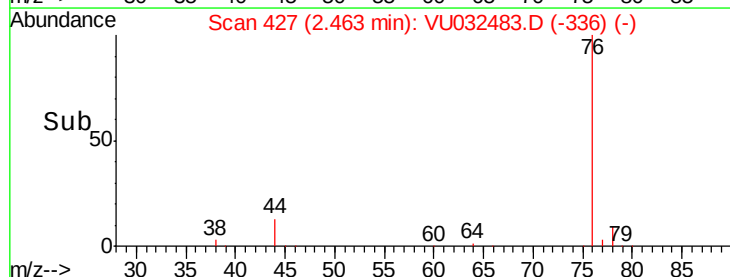
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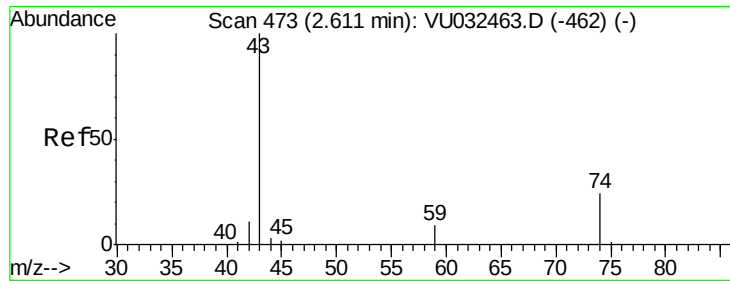
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Time-->

2.40 2.45 2.50 2.55

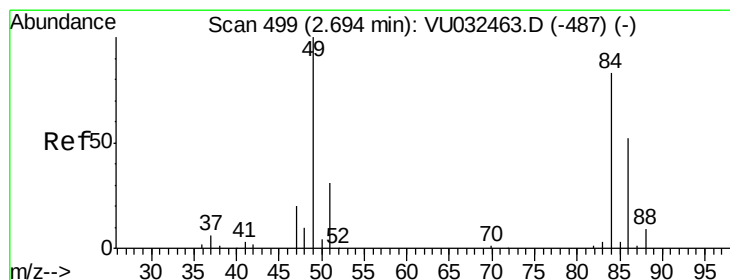
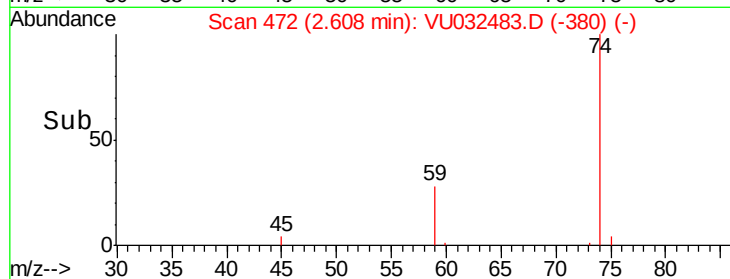
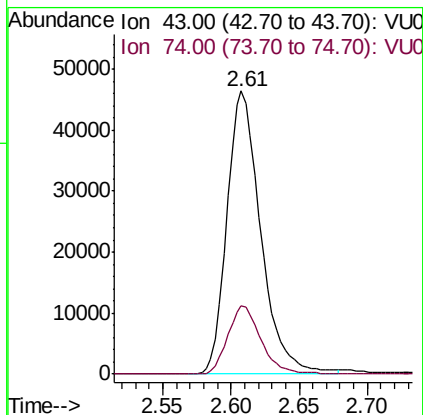
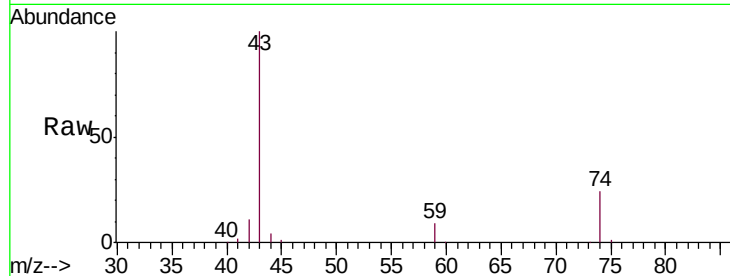




#15
Methyl Acetate
Concen: 45.217 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

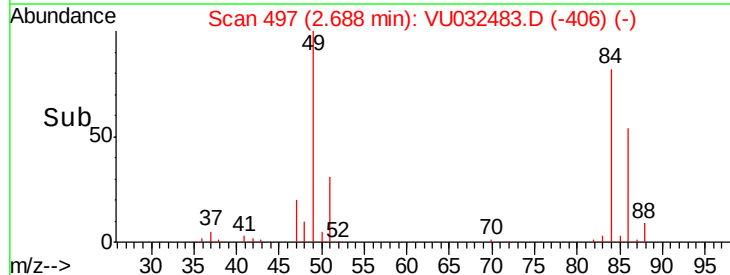
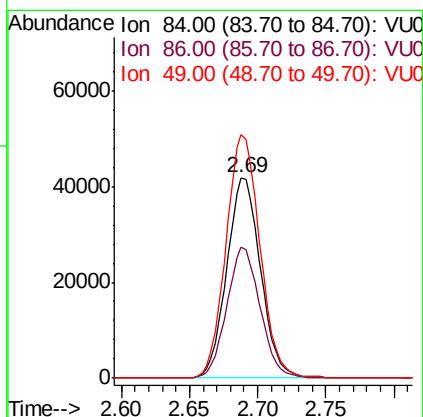
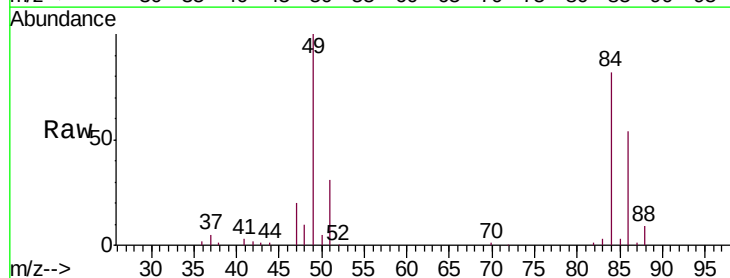
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

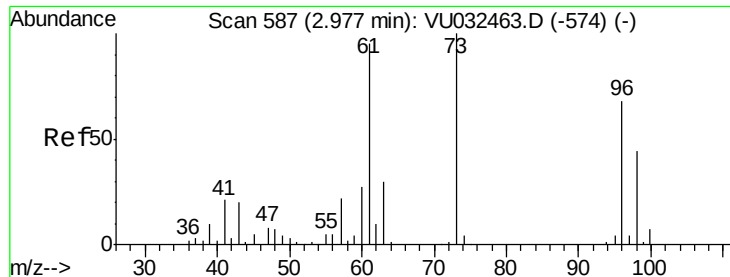
Tgt Ion: 43 Resp: 79480
Ion Ratio Lower Upper
43 100
74 23.7 18.0 27.0



#16
Methylene chloride
Concen: 48.546 ug/L
RT: 2.69 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

Tgt Ion: 84 Resp: 72232
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 121.5 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 48.141 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

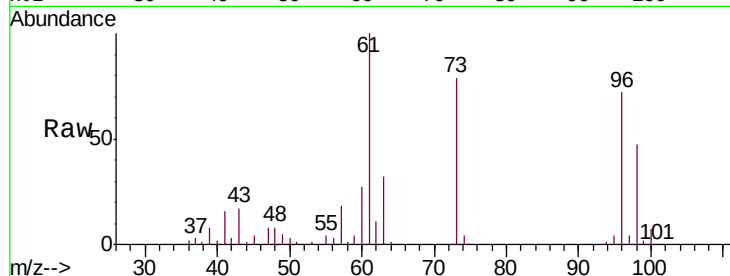
Tgt Ion: 96 Resp: 68025

Ion Ratio Lower Upper

96 100

61 138.8 95.7 177.7

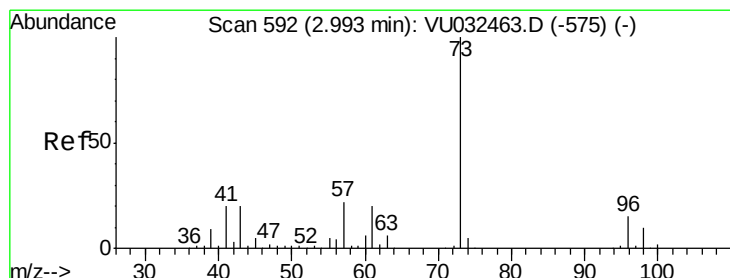
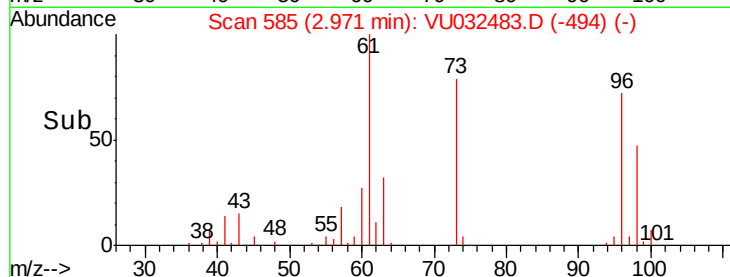
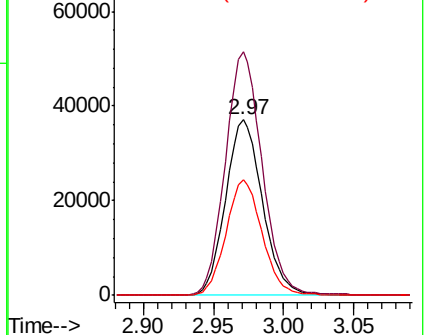
98 65.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032463.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032463.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032463.D (-574) (-)



#18

Methyl tert-butyl Ether

Concen: 47.542 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

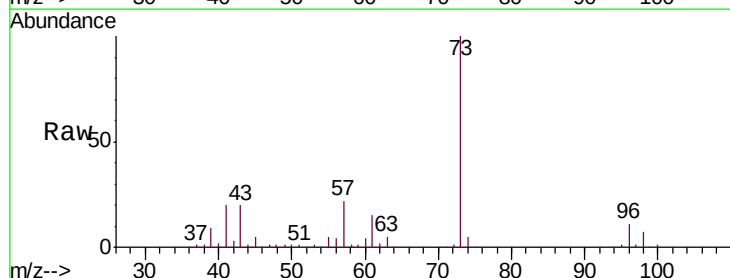
Tgt Ion: 73 Resp: 220700

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

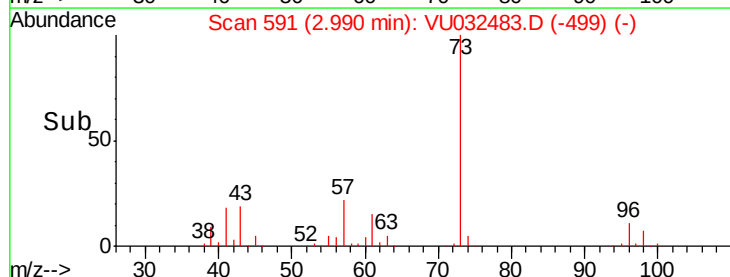
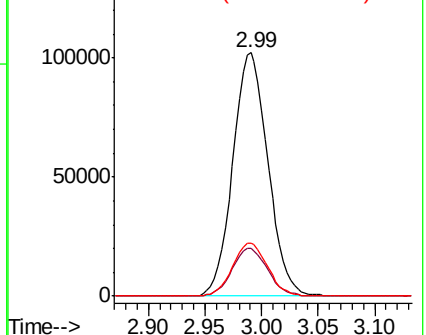
57 21.7 17.6 26.4

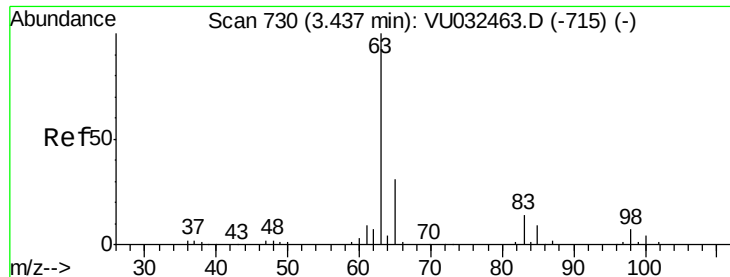


Abundance Ion 73.00 (72.70 to 73.70): VU032463.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU032463.D (-575) (-)

Ion 57.00 (56.70 to 57.70): VU032463.D (-575) (-)

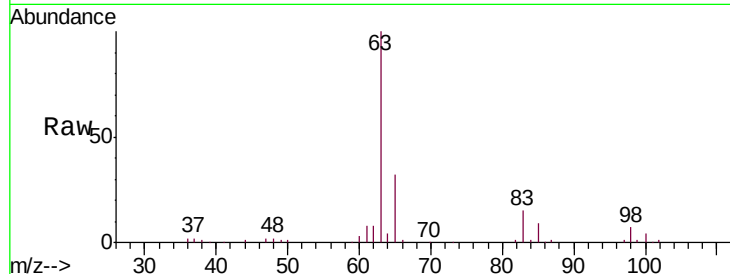




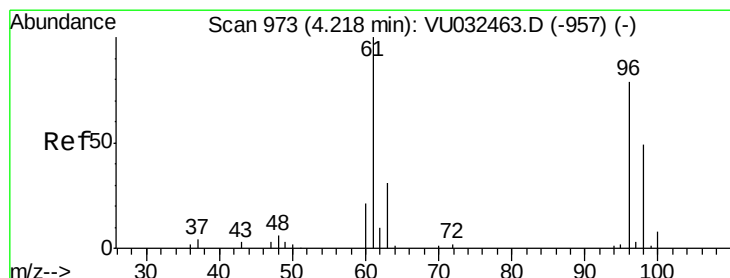
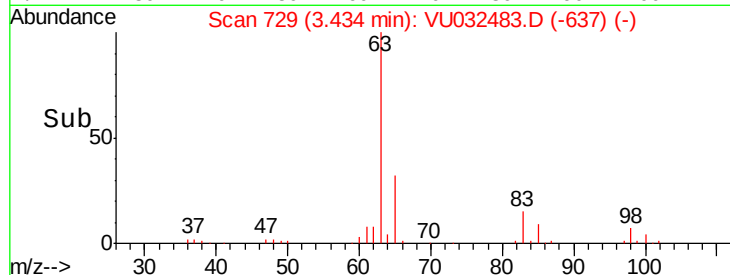
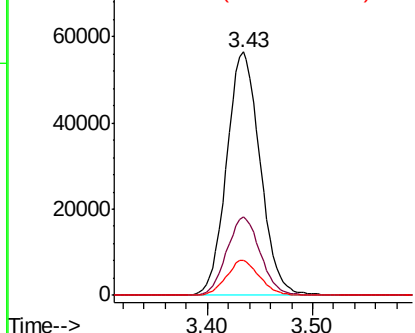
#19
 1,1-Dichloroethane
 Concen: 48.250 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion: 63 Resp: 124291
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.8 40.6
 83 14.6 9.8 18.2

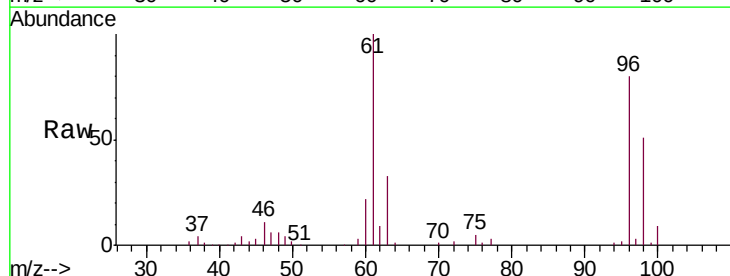


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

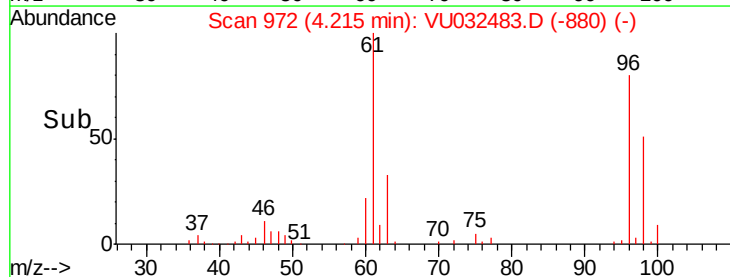
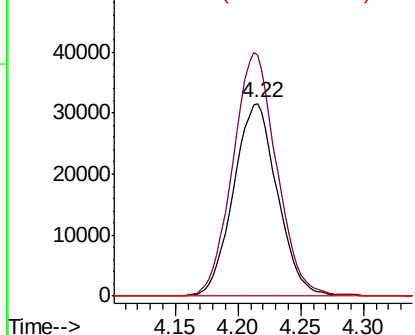


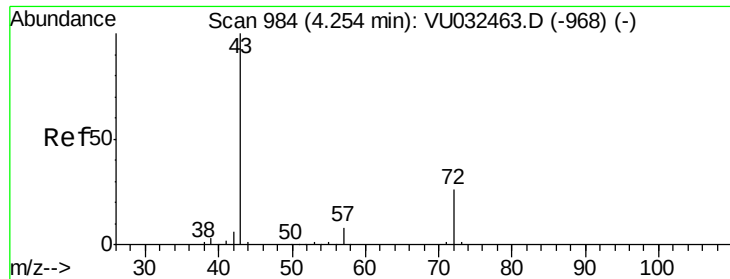
#20
 cis-1,2-Dichloroethene
 Concen: 47.973 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion: 96 Resp: 76717
 Ion Ratio Lower Upper
 96 100
 61 125.1 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: 95.412 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

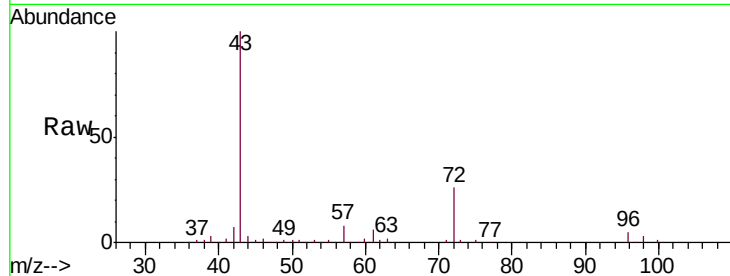
VSTD05032

Tgt Ion: 43 Resp: 138828

Ion Ratio Lower Upper

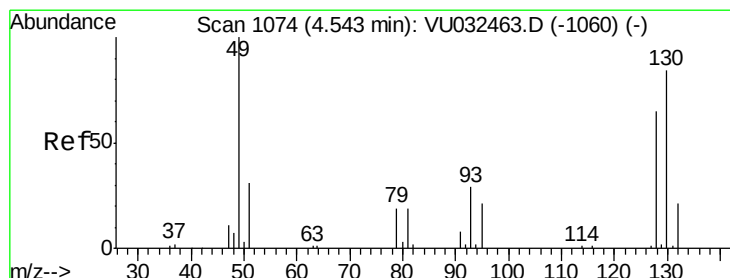
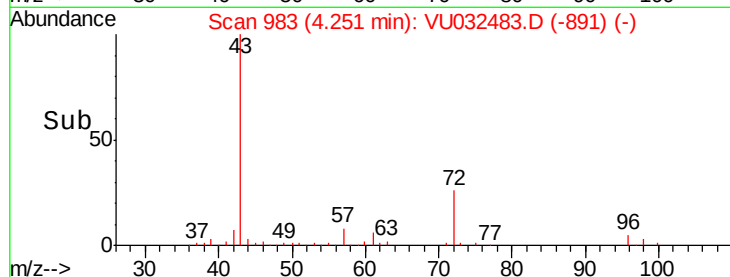
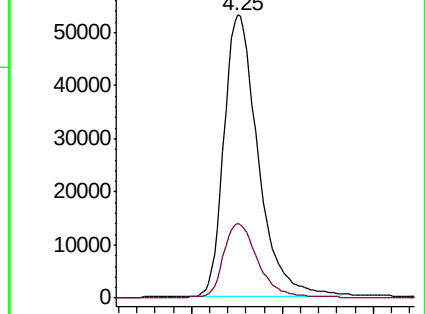
43 100

72 26.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032463.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032463.D (-968) (-)



#23

Bromochloromethane

Concen: 48.423 ug/L

RT: 4.54 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Tgt Ion: 128 Resp: 40264

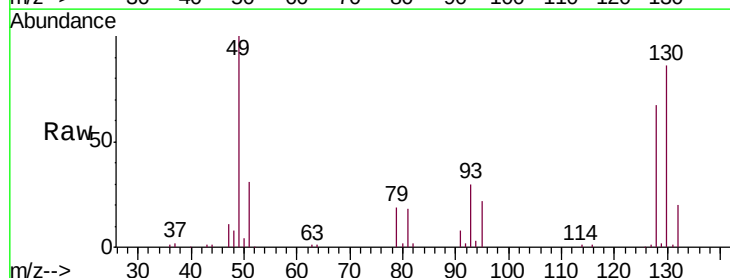
Ion Ratio Lower Upper

128 100

49 148.6 103.7 192.5

130 127.5 92.2 171.2

51 46.1 37.7 56.5

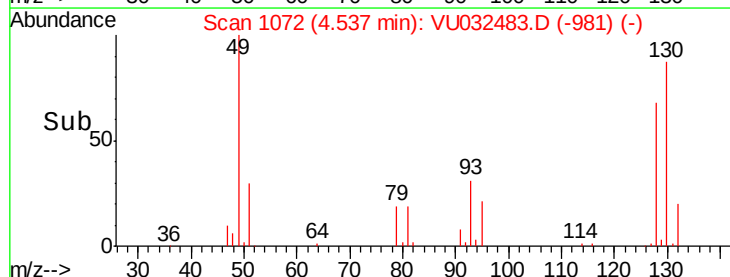
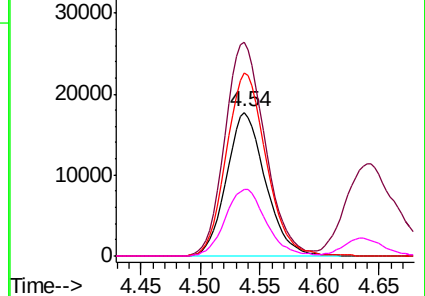


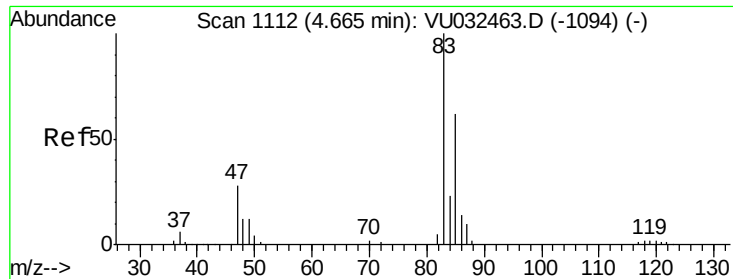
Abundance Ion 128.00 (127.70 to 128.70): VU032463.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032463.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032463.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032463.D (-1060) (-)

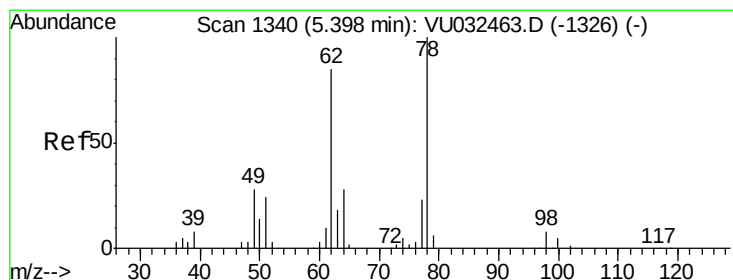
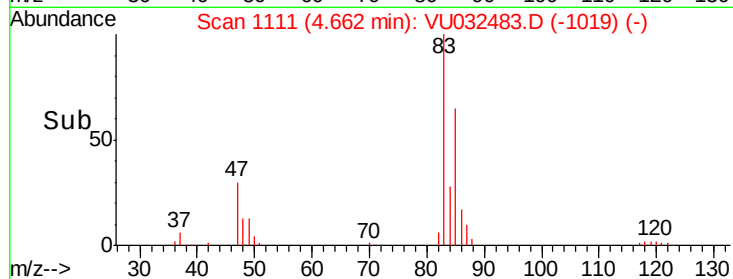
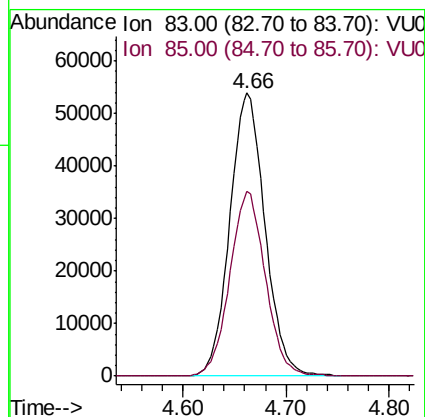
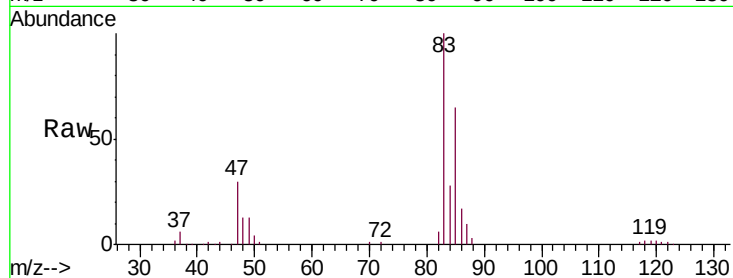




#25
Chloroform
Concen: 48.158 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

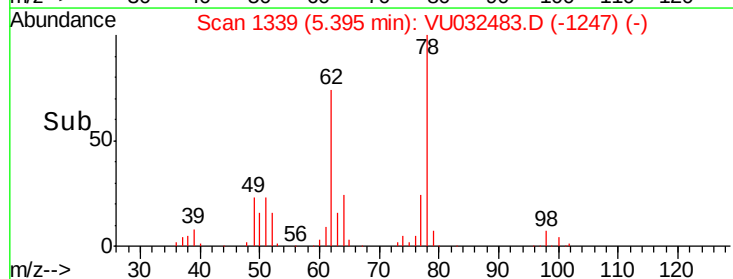
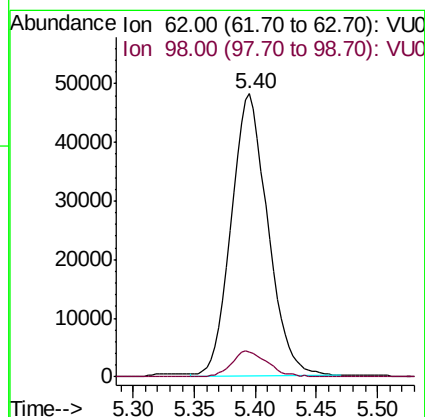
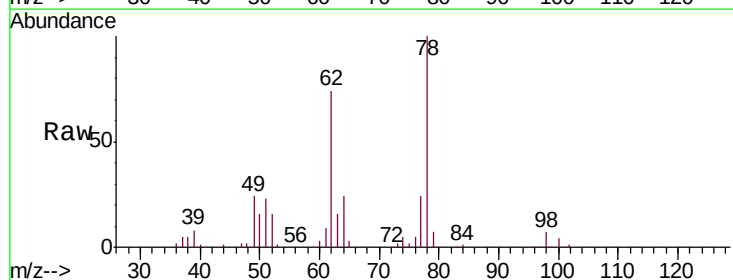
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

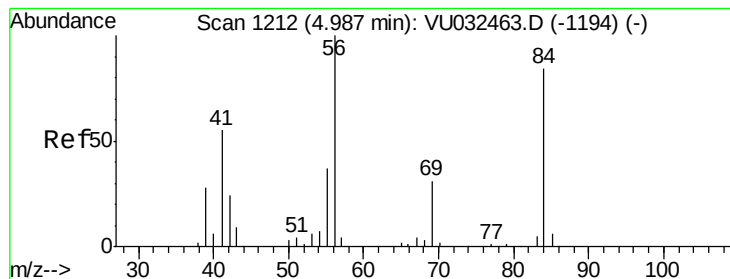
Tgt Ion: 83 Resp: 128017
Ion Ratio Lower Upper
83 100
85 65.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 47.679 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

Tgt Ion: 62 Resp: 100194
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 48.366 ug/L

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

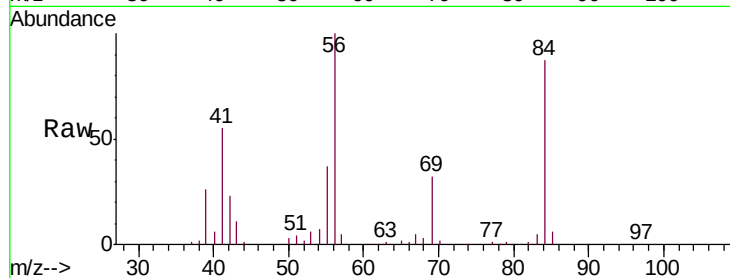
Tgt Ion: 56 Resp: 118094

Ion Ratio Lower Upper

56 100

69 31.3 24.7 37.1

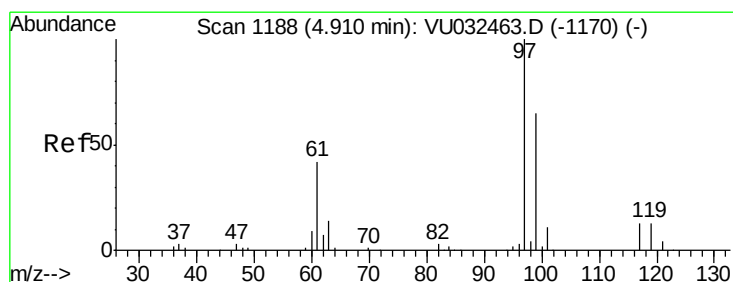
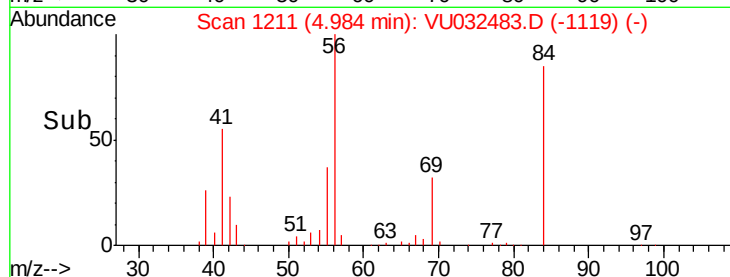
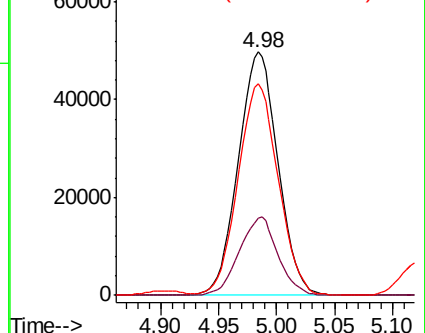
84 88.5 69.0 103.4



Abundance Ion 56.00 (55.70 to 56.70): VU032483.D (-1194) (-)

Ion 69.00 (68.70 to 69.70): VU032483.D (-1194) (-)

Ion 84.00 (83.70 to 84.70): VU032483.D (-1194) (-)



#30

1,1,1-Trichloroethane

Concen: 48.974 ug/L

RT: 4.90 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

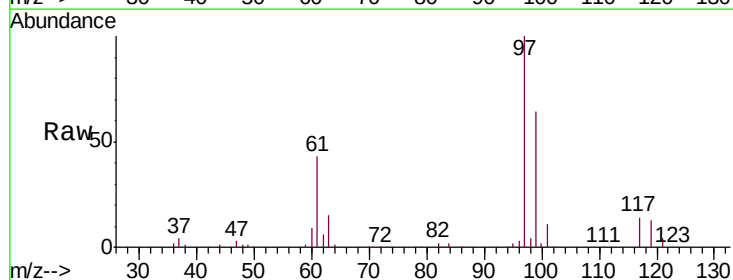
Tgt Ion: 97 Resp: 113809

Ion Ratio Lower Upper

97 100

99 64.0 50.5 75.7

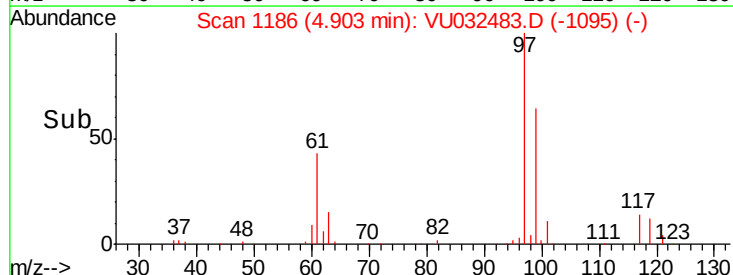
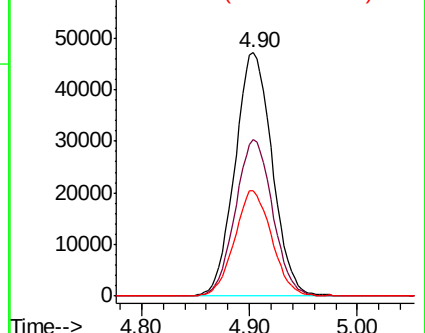
61 43.2 33.8 50.6

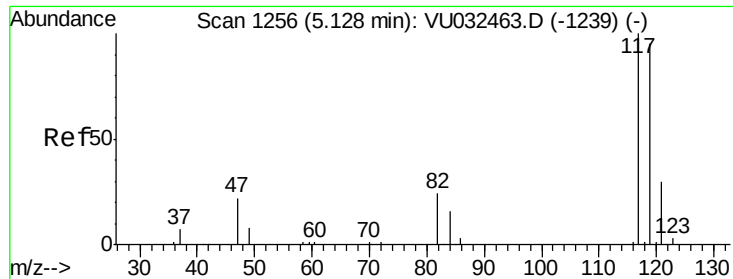


Abundance Ion 97.00 (96.70 to 97.70): VU032483.D (-1095) (-)

Ion 99.00 (98.70 to 99.70): VU032483.D (-1095) (-)

Ion 61.05 (60.75 to 61.75): VU032483.D (-1095) (-)

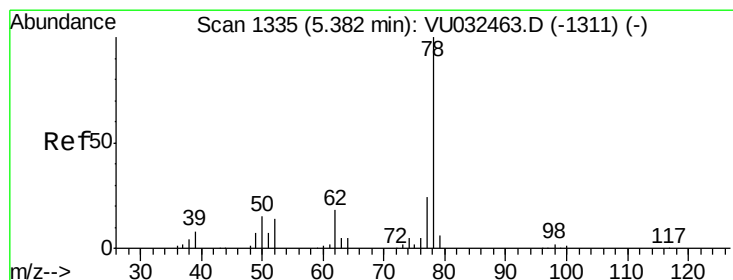
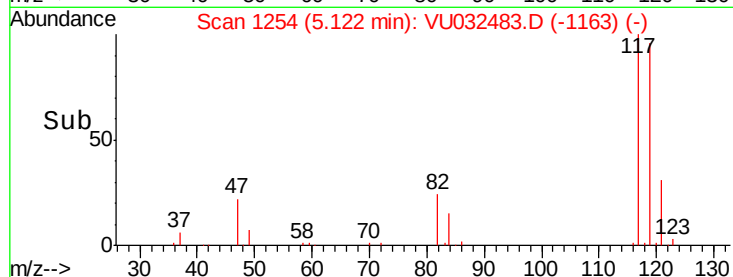
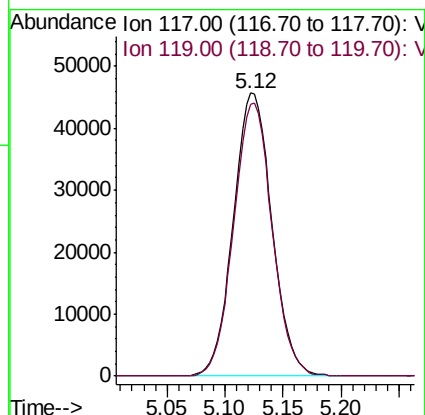
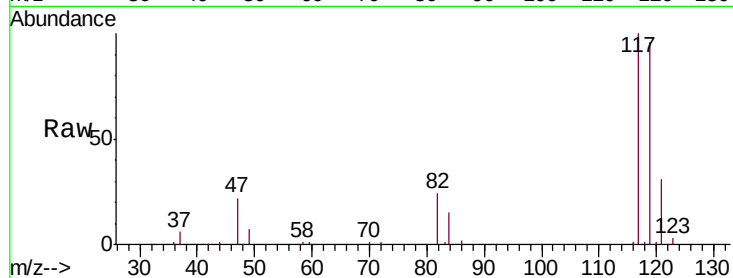




#31
Carbon tetrachloride
Concen: 49.621 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

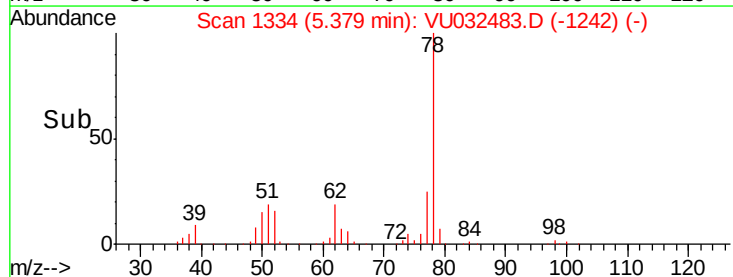
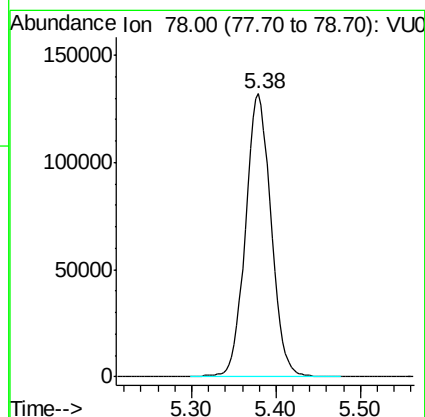
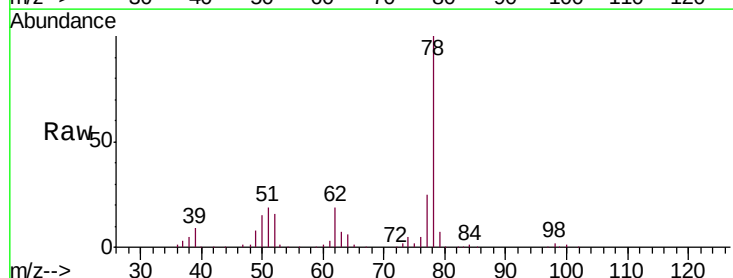
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

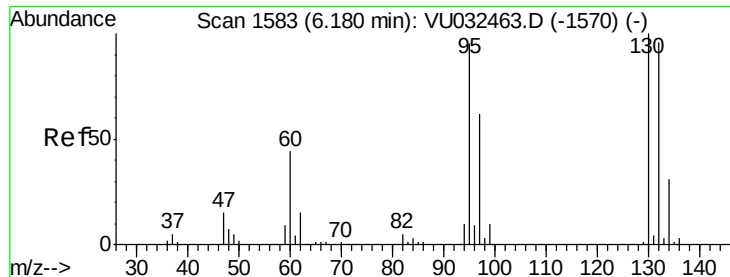
Tgt Ion:117 Resp: 105687
Ion Ratio Lower Upper
117 100
119 96.3 76.6 114.8



#33
Benzene
Concen: 48.464 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

Tgt Ion: 78 Resp: 279528





#34

Trichloroethene

Concen: 47.443 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 95 Resp: 74446

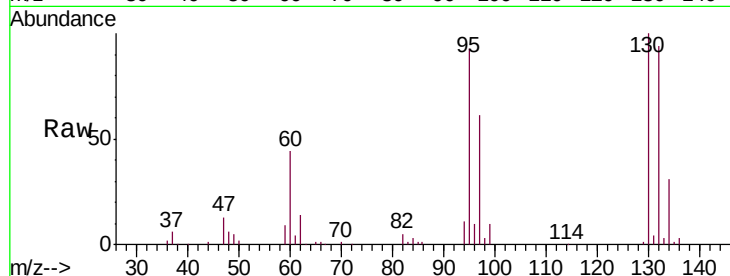
Ion Ratio Lower Upper

95 100

97 65.5 45.8 85.2

132 101.3 71.0 131.8

130 107.5 73.4 136.2

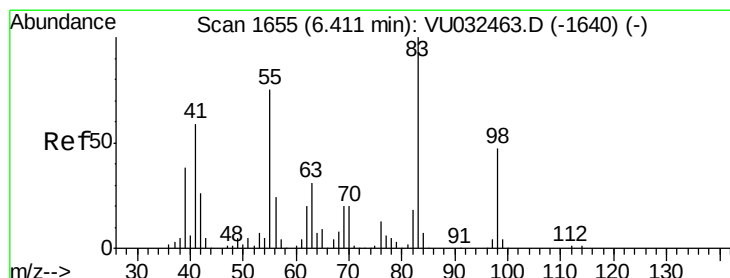
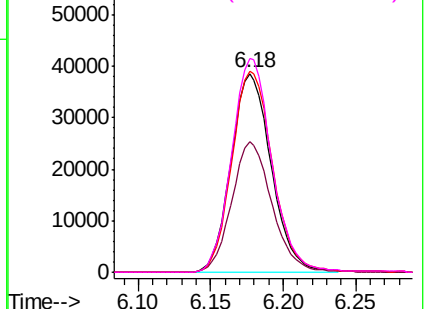
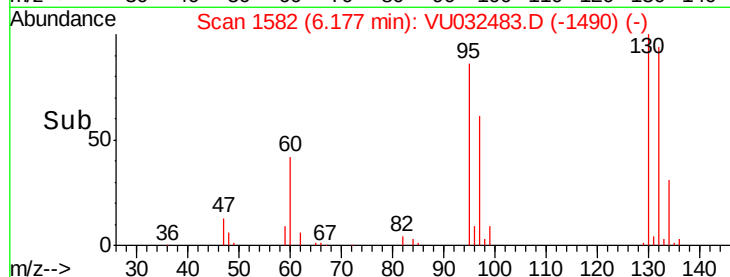


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.546 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

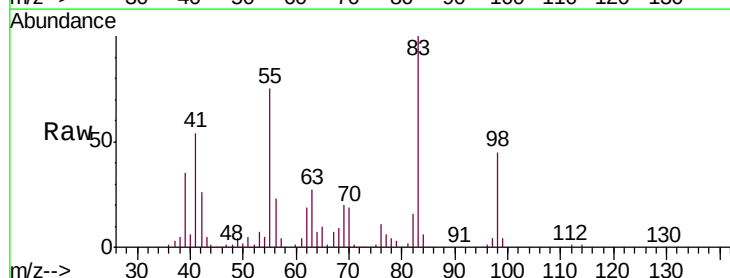
Tgt Ion: 83 Resp: 125864

Ion Ratio Lower Upper

83 100

55 75.5 60.2 90.4

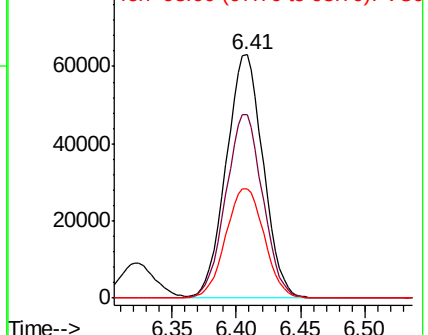
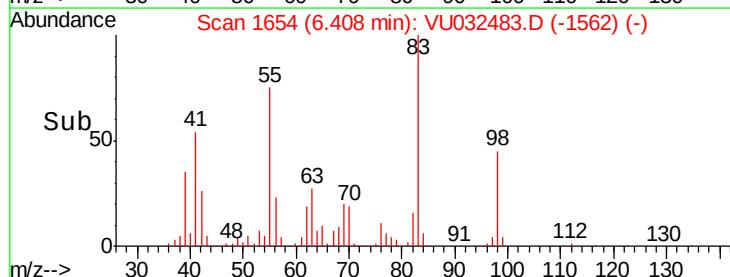
98 46.7 37.4 56.2

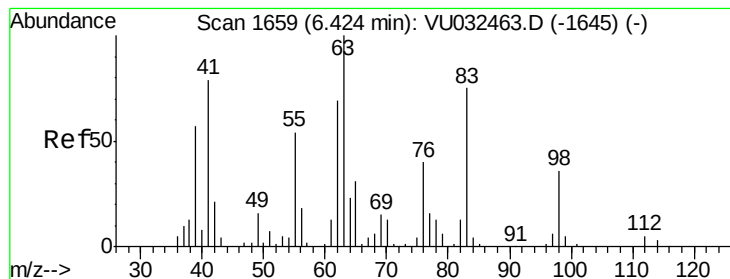


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.528 ug/L

RT: 6.42 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

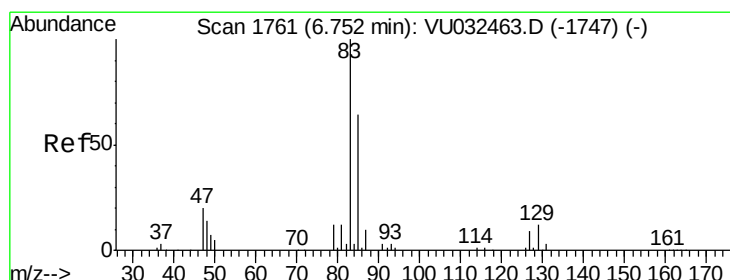
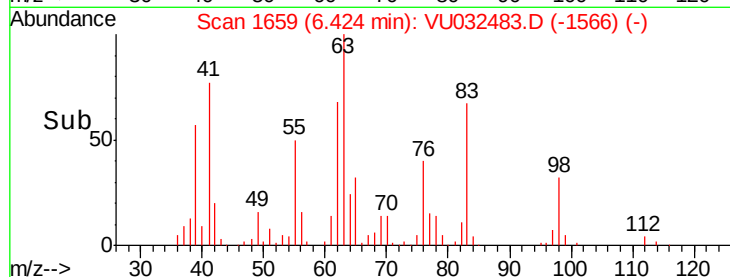
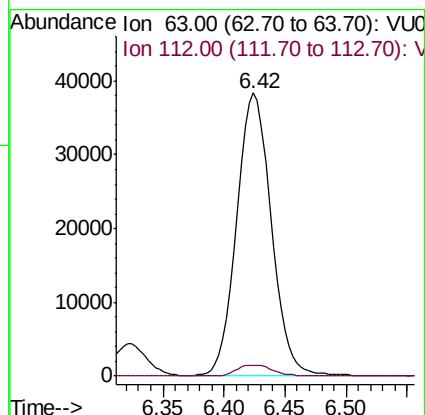
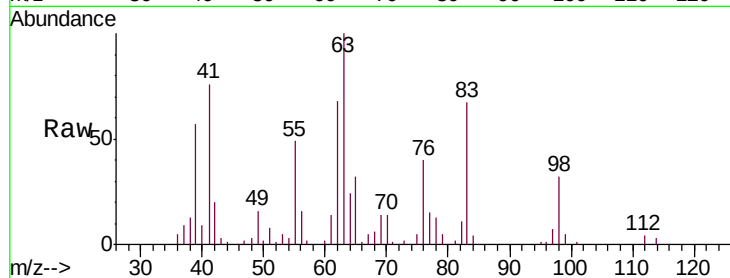
VSTD05032

Tgt Ion: 63 Resp: 75726

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 49.136 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

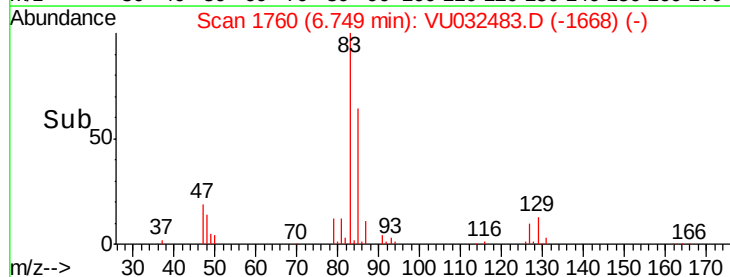
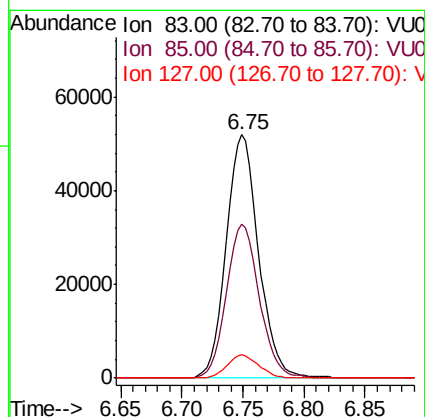
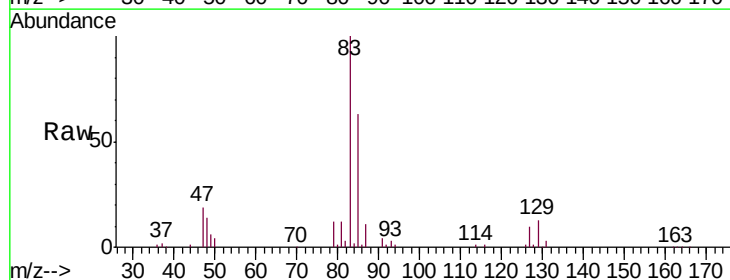
Tgt Ion: 83 Resp: 96735

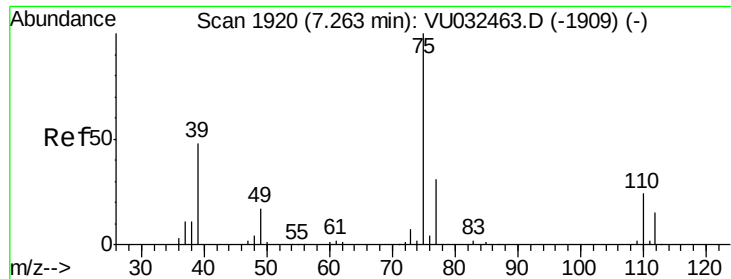
Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.4

127 9.6 7.4 11.2

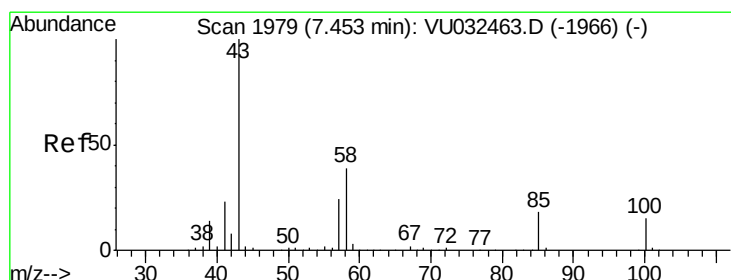
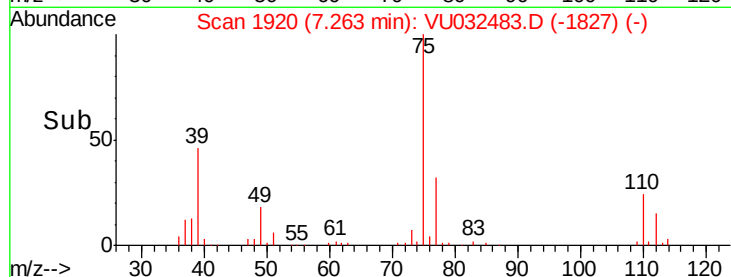
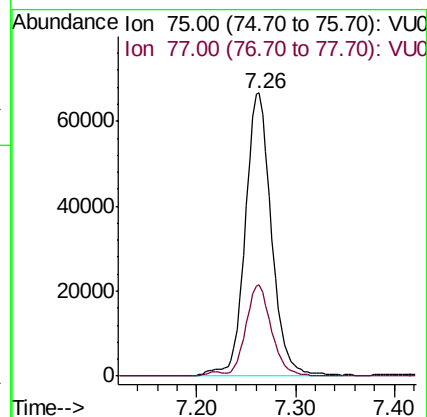
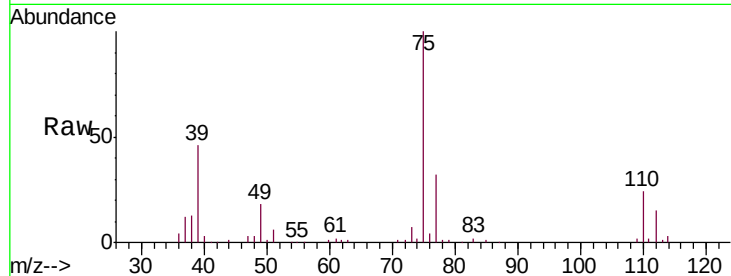




#39
 cis-1,3-Dichloropropene
 Concen: 50.780 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

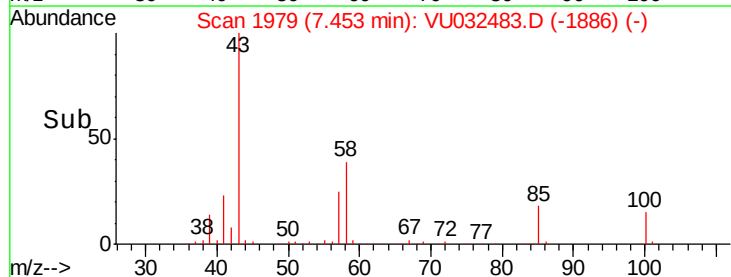
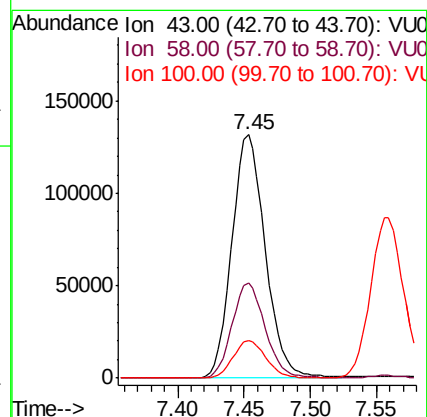
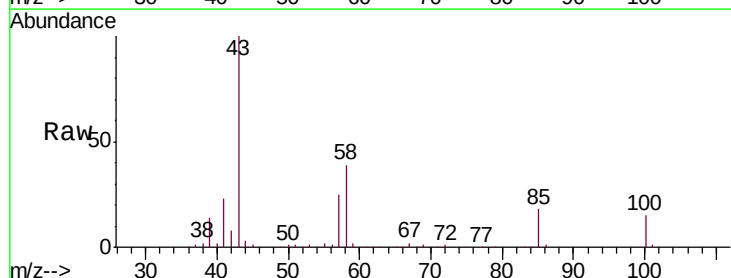
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

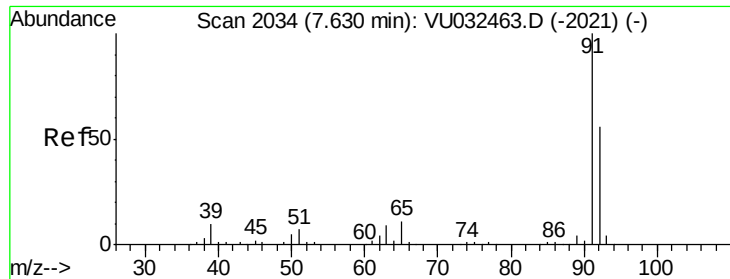
Tgt Ion: 75 Resp: 122499
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 93.956 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion: 43 Resp: 231104
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.8 46.2
 100 15.2 12.1 18.1





#42

Toluene

Concen: 48.788 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

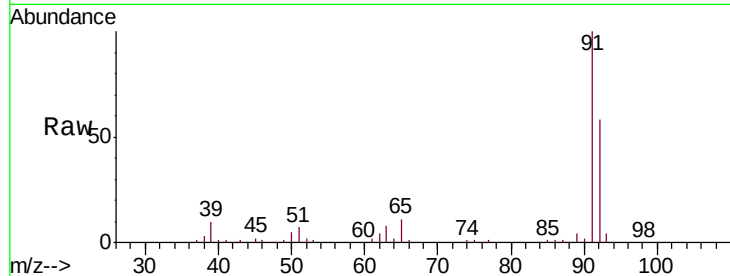
VSTD05032

Tgt Ion: 91 Resp: 308177

Ion Ratio Lower Upper

91 100

92 58.3 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032463.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032463.D (-2021) (-)

7.63

200000

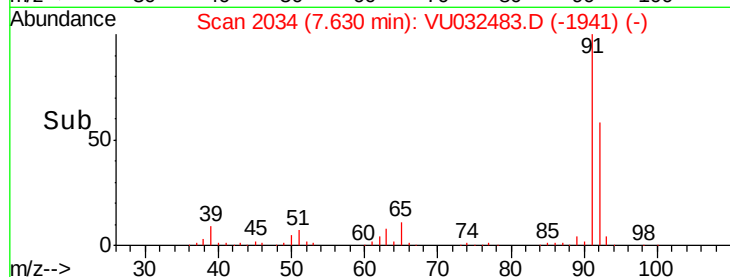
150000

100000

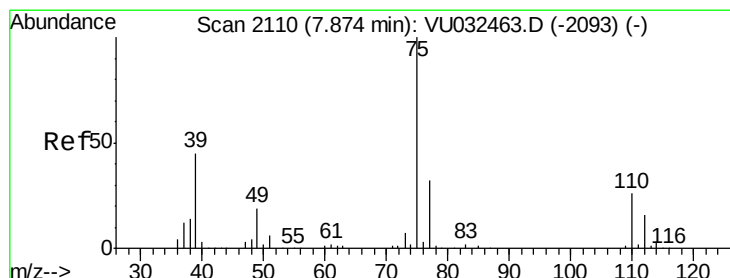
50000

0

Time-->



Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.351 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032483.D

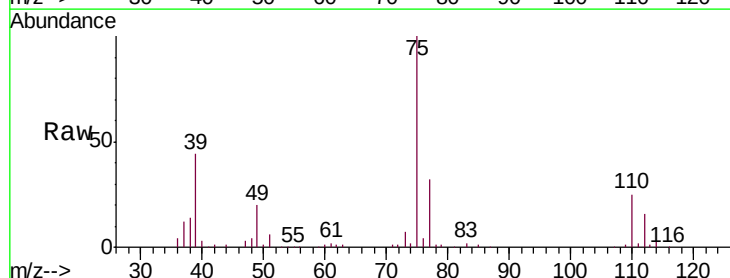
Acq: 06 Jun 2019 08:57

Tgt Ion: 75 Resp: 107810

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032463.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032463.D (-2093) (-)

7.87

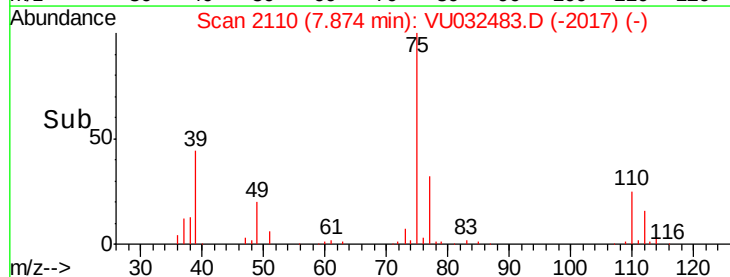
60000

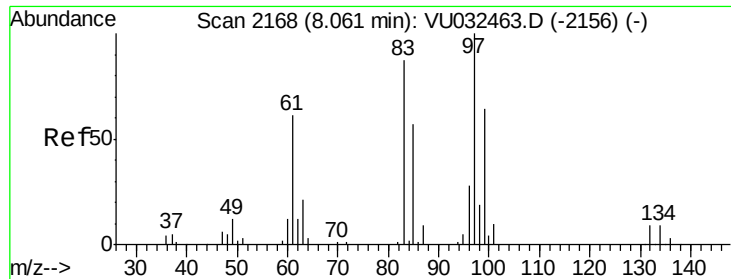
40000

20000

0

Time-->

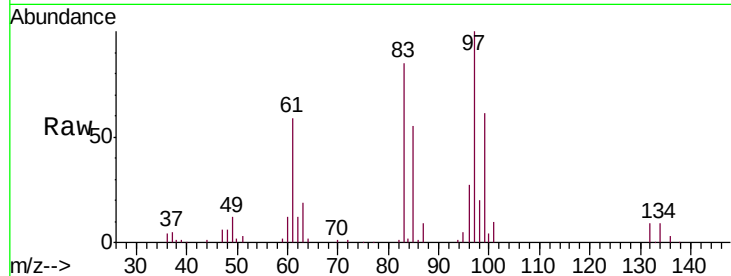




#45
 1,1,2-Trichloroethane
 Concen: 49.143 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:	97	Resp:	71053
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.1	81.9
83	84.9	59.4	110.2
85	55.2	39.1	72.7



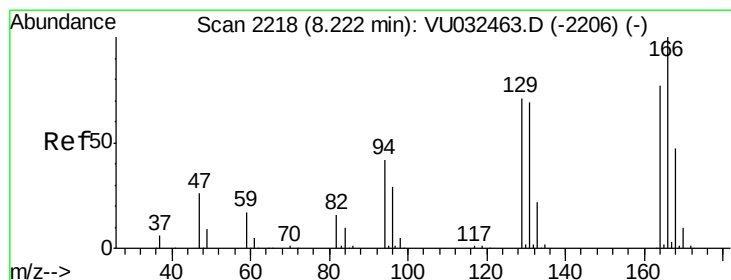
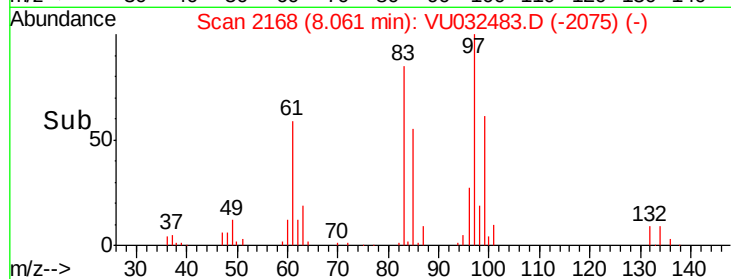
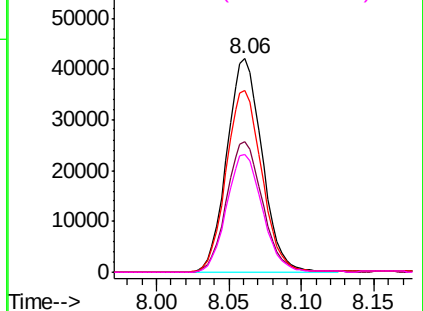
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

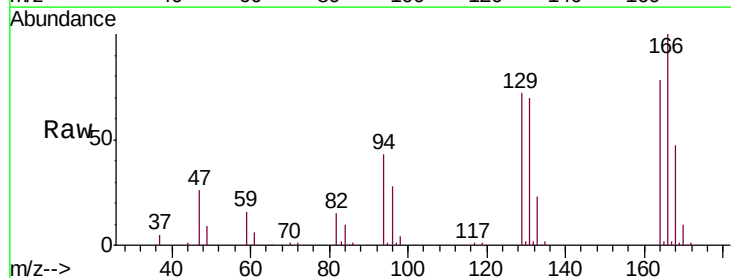
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 50.054 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion:	164	Resp:	64871
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.3	121.3
131	89.5	64.0	119.0
166	128.0	88.8	165.0



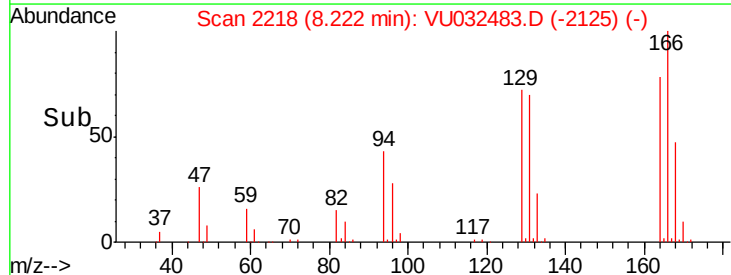
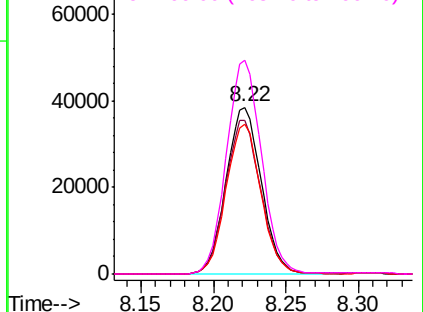
Abundance

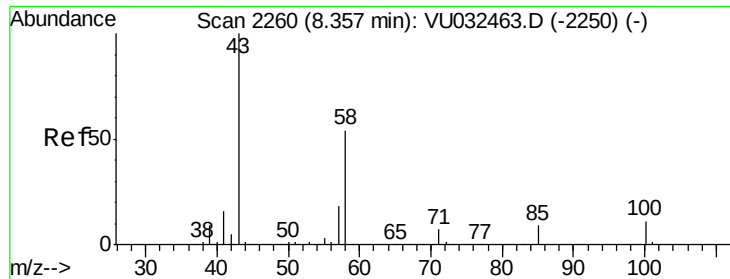
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

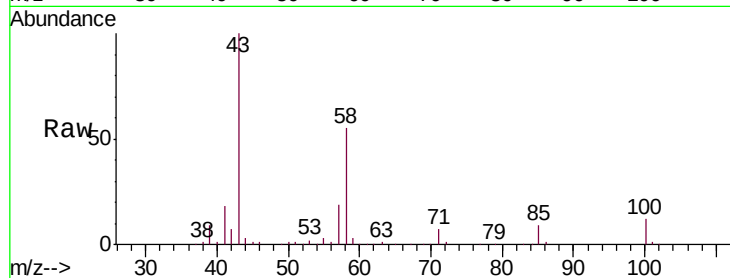




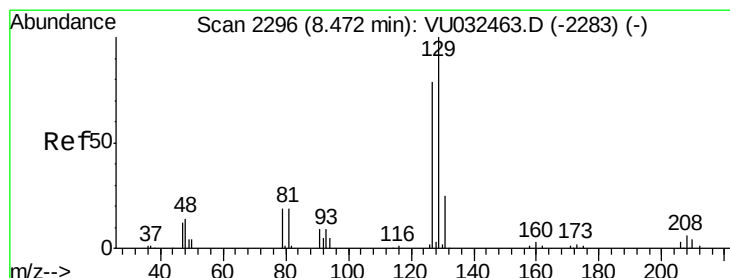
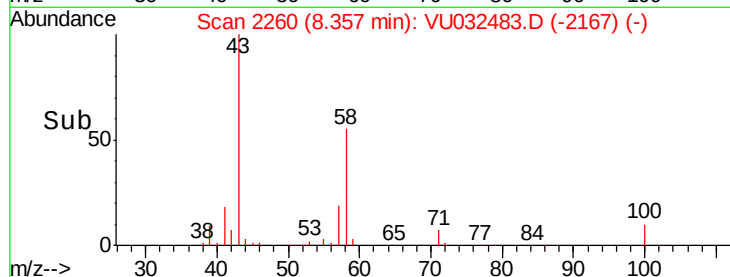
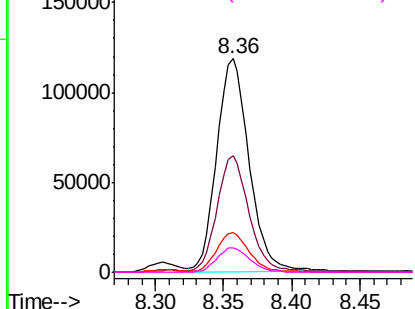
#48
2-Hexanone
Concen: 96.595 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion: 43 Resp: 195150
Ion Ratio Lower Upper
43 100
58 52.8 42.0 63.0
57 18.5 14.6 22.0
100 11.7 9.2 13.8

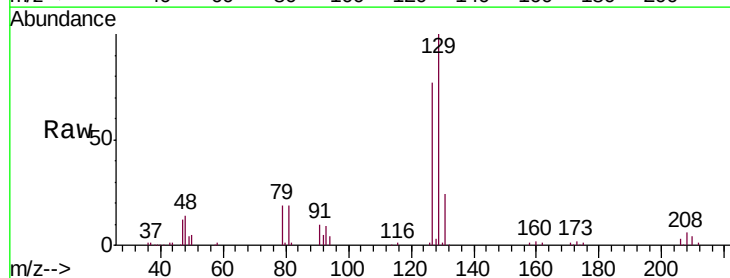


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

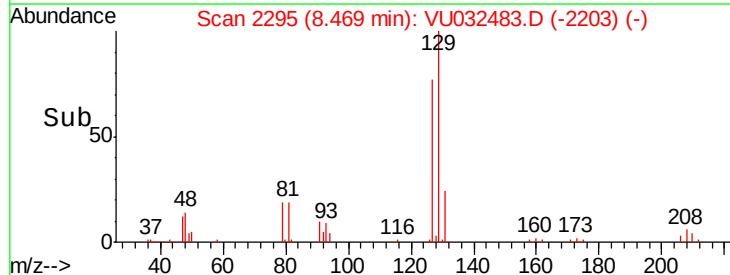
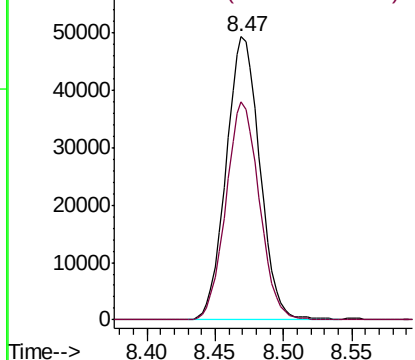


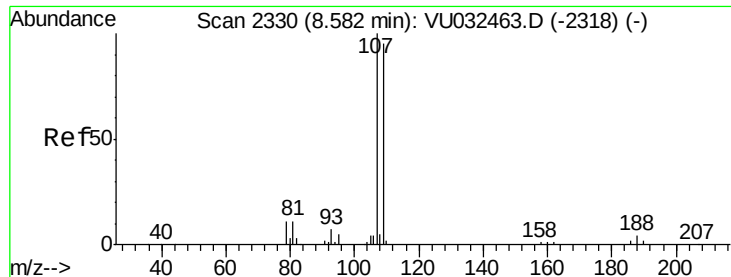
#49
Dibromochloromethane
Concen: 50.399 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032483.D
Acq: 06 Jun 2019 08:57

Tgt Ion: 129 Resp: 84698
Ion Ratio Lower Upper
129 100
127 77.2 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: 48.419 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

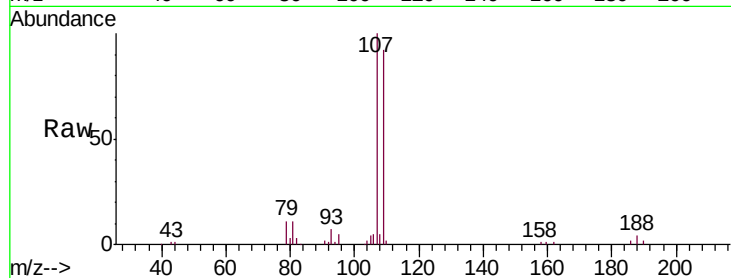
Tgt Ion:107 Resp: 78797

Ion Ratio Lower Upper

107 100

109 92.3 66.8 124.0

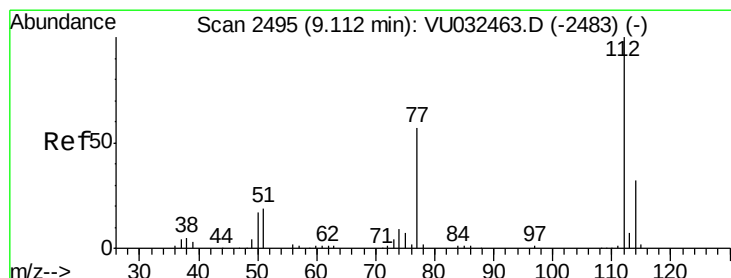
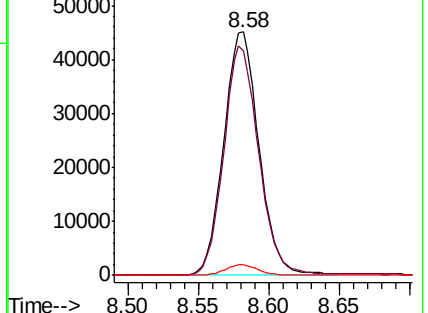
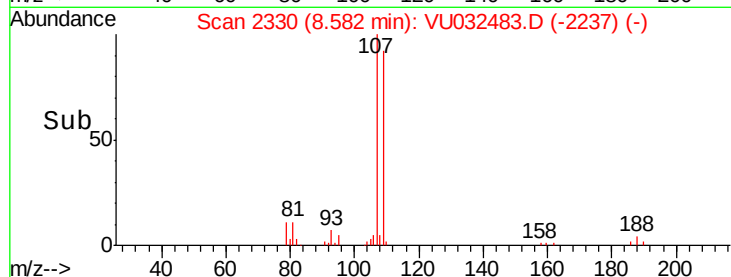
188 4.3 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.232 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

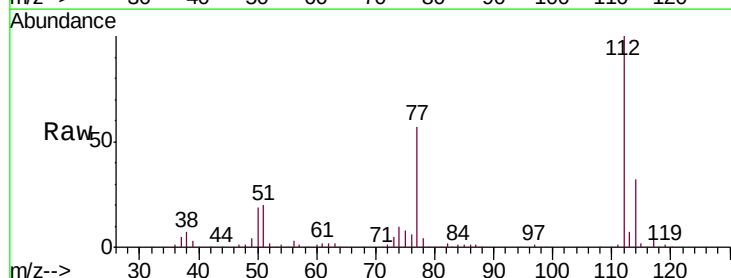
Tgt Ion:112 Resp: 200353

Ion Ratio Lower Upper

112 100

114 32.2 22.6 42.0

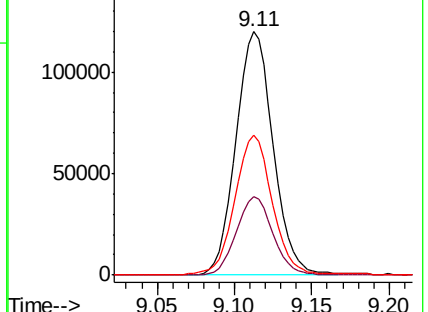
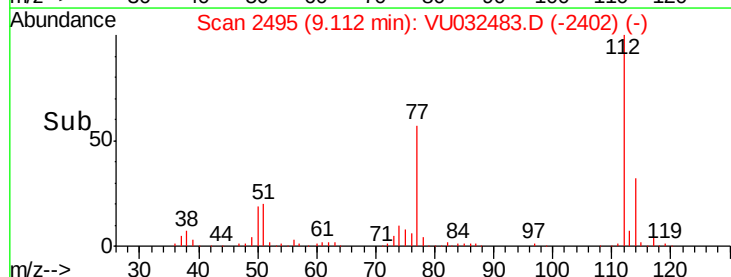
77 57.5 46.1 69.1

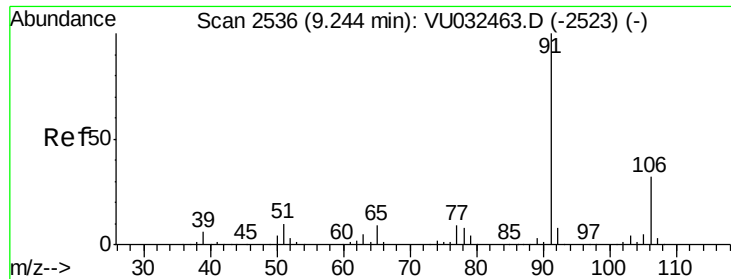


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 49.331 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

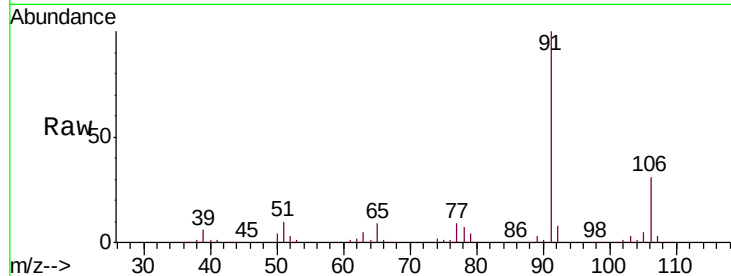
VSTD05032

Tgt Ion: 91 Resp: 347331

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032463.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU032463.D (-2523) (-)

9.24

200000

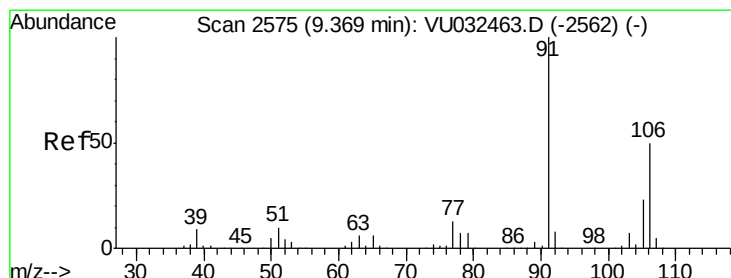
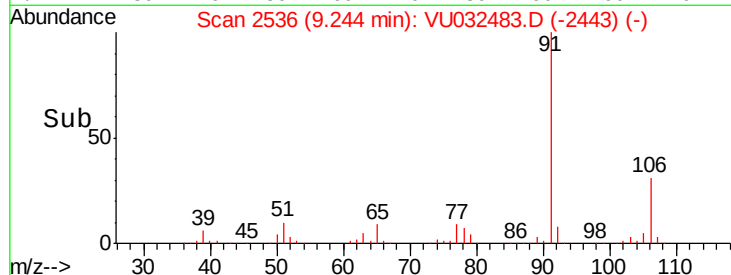
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 49.361 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032483.D

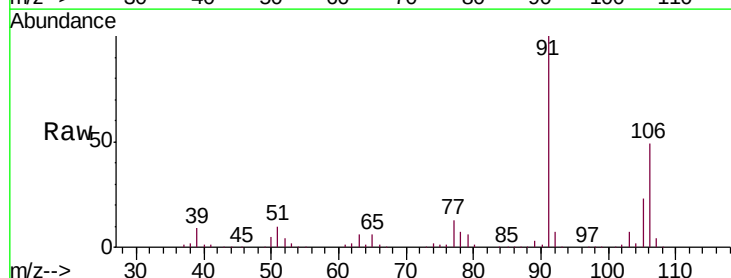
Acq: 06 Jun 2019 08:57

Tgt Ion: 106 Resp: 132155

Ion Ratio Lower Upper

106 100

91 204.2 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032463.D (-2562) (-)

Ion 91.00 (90.70 to 91.70): VU032463.D (-2562) (-)

9.37

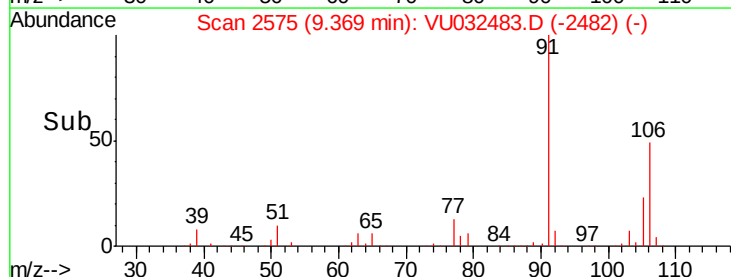
150000

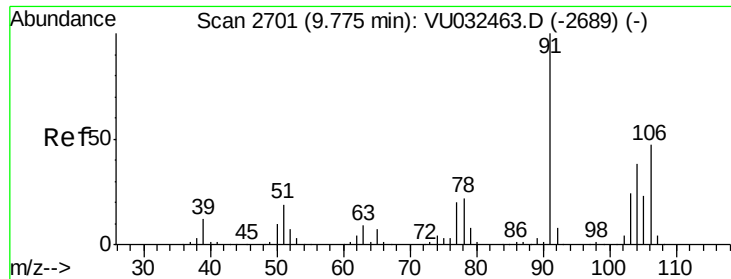
100000

50000

0

Time-->





#54

o-xylene

Concen: 49.574 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

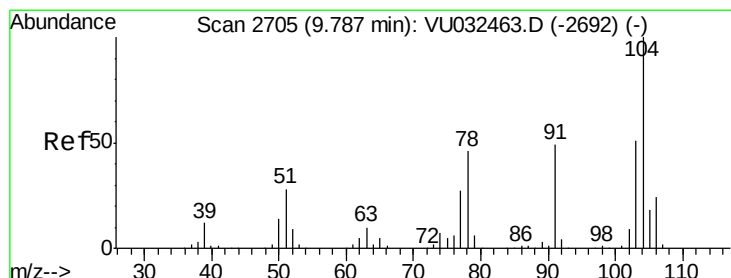
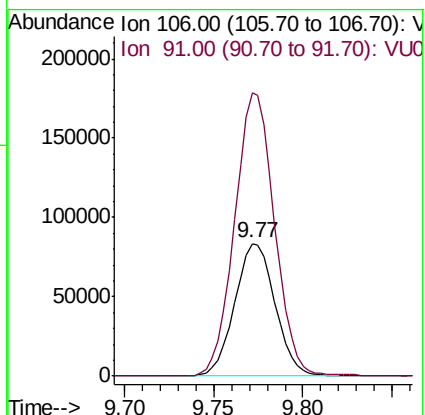
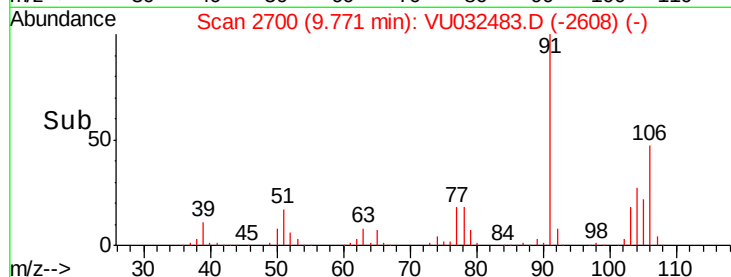
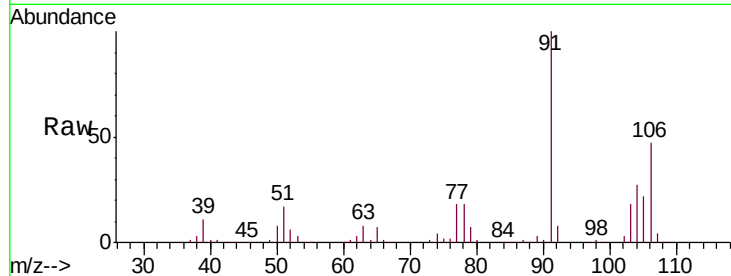
VSTD05032

Tgt Ion:106 Resp: 131780

Ion Ratio Lower Upper

106 100

91 213.7 150.1 278.7



#55

Styrene

Concen: 50.016 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032483.D

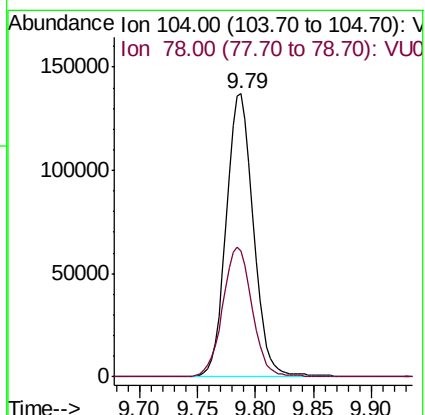
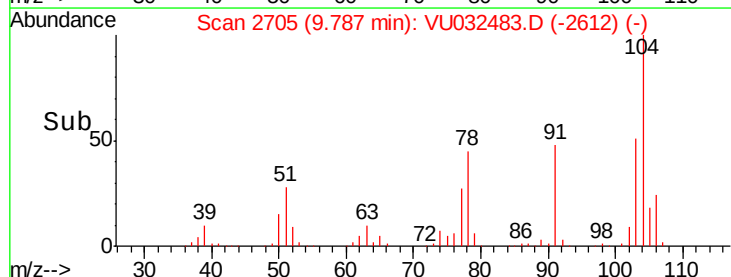
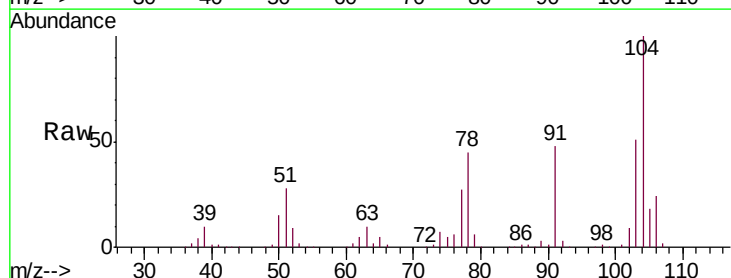
Acq: 06 Jun 2019 08:57

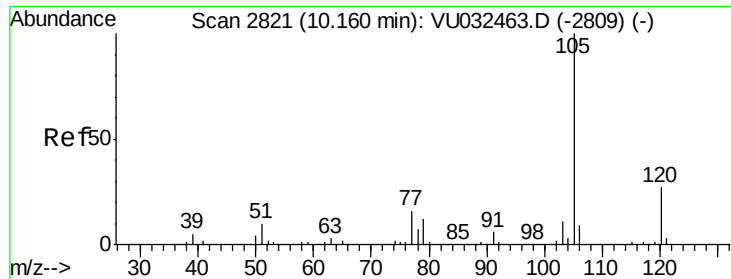
Tgt Ion:104 Resp: 221958

Ion Ratio Lower Upper

104 100

78 44.6 31.6 58.6





#56

Isopropylbenzene

Concen: 49.556 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

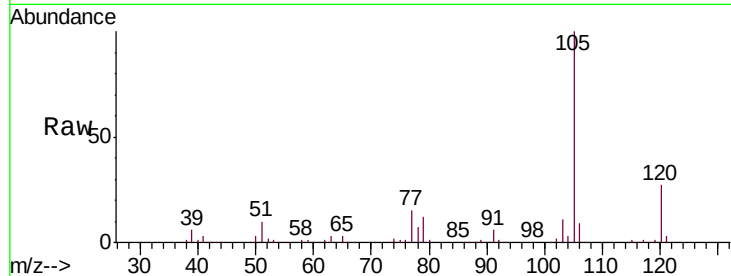
Tgt Ion: 105 Resp: 347363

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

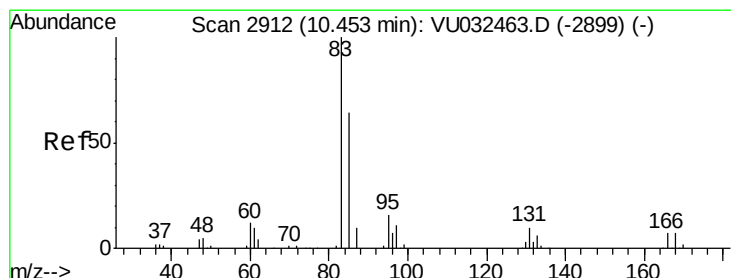
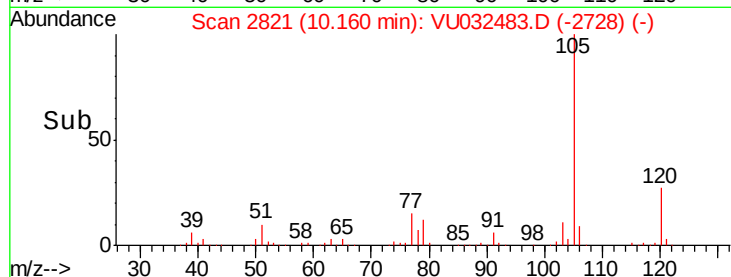
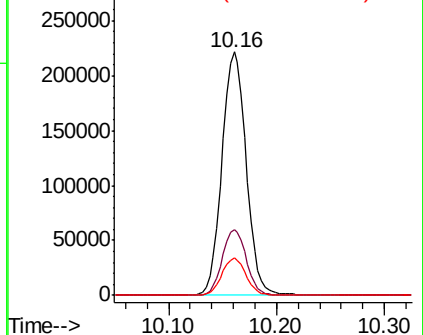
77 15.3 12.4 18.6



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: 49.005 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

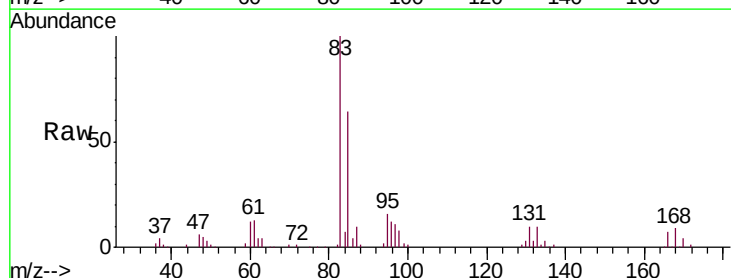
Tgt Ion: 83 Resp: 121097

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

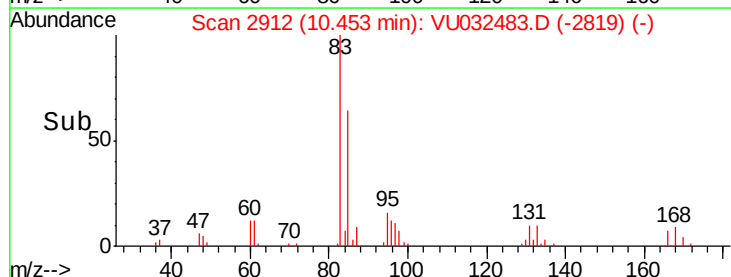
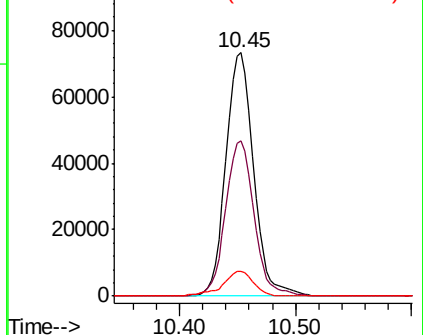
131 10.3 7.9 11.9

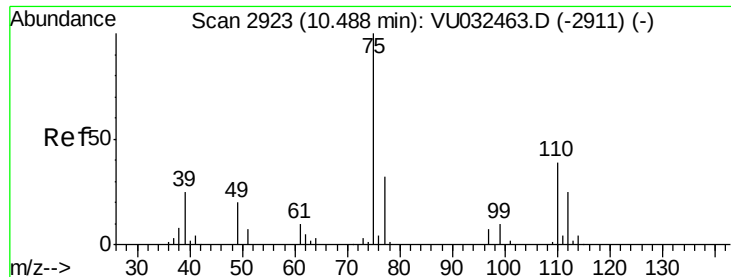


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

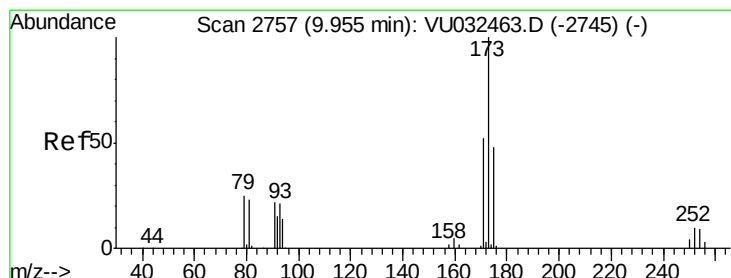
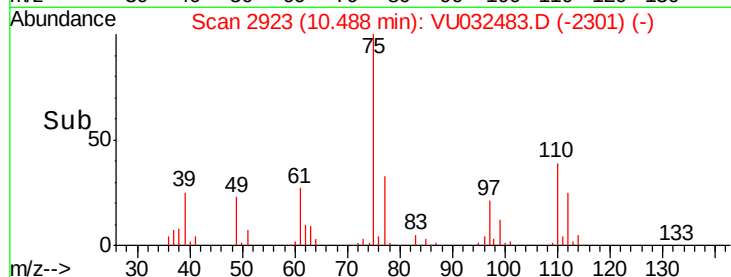
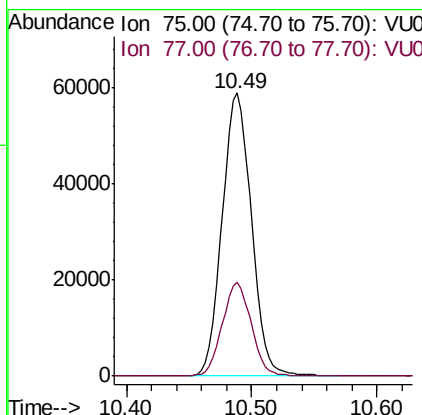
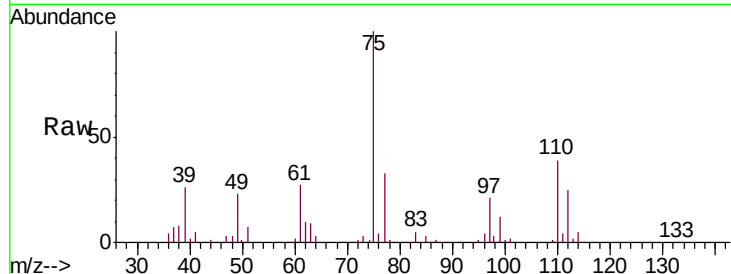




#59
 1,2,3-Trichloropropane
 Concen: 48.024 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

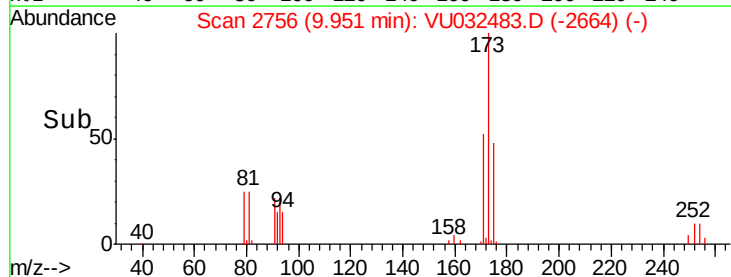
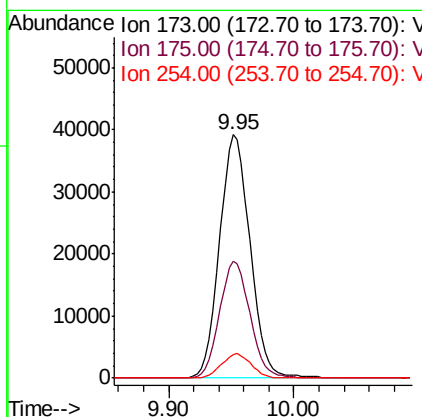
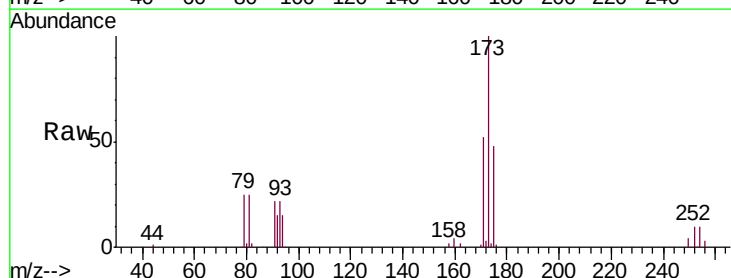
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

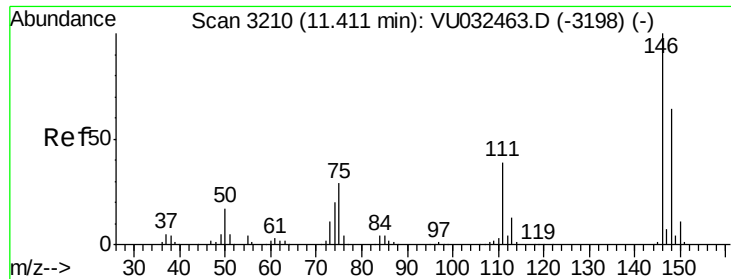
Tgt Ion: 75 Resp: 95451
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4



#61
 Bromoform
 Concen: 49.235 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion: 173 Resp: 66291
 Ion Ratio Lower Upper
 173 100
 175 47.7 39.7 59.5
 254 9.7 7.8 11.8

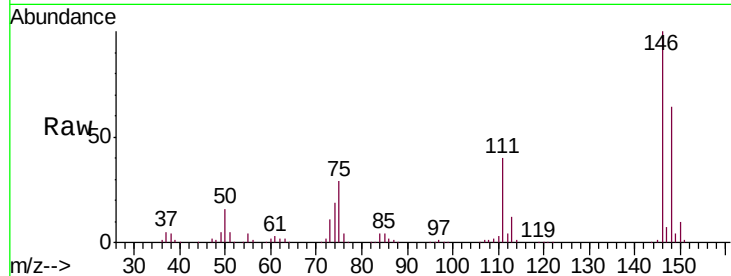




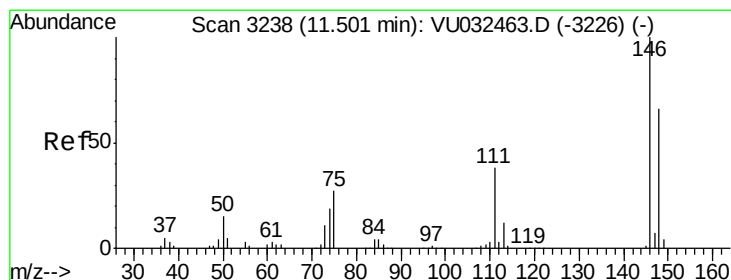
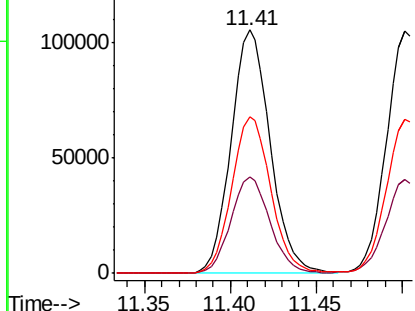
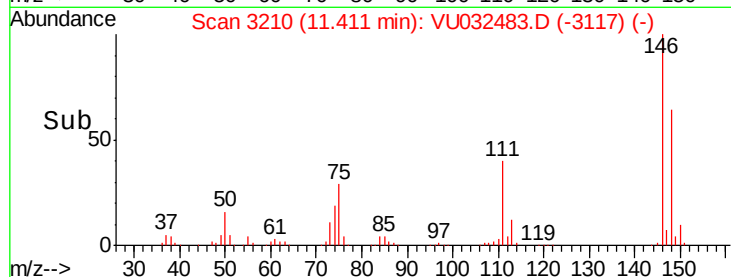
#62
 1,3-Dichlorobenzene
 Concen: 48.961 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:146 Resp: 167280
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.3 50.7
 148 64.3 44.4 82.5

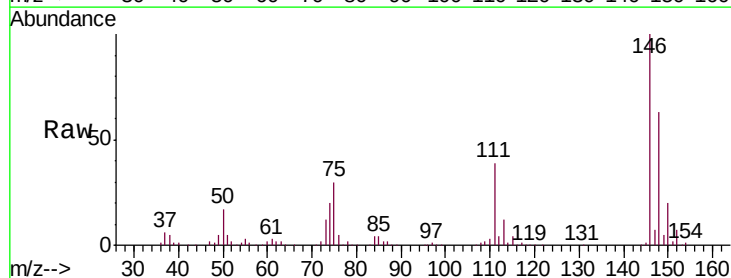


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

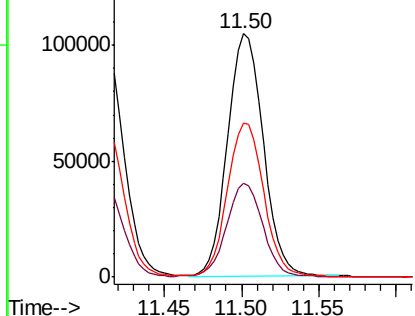
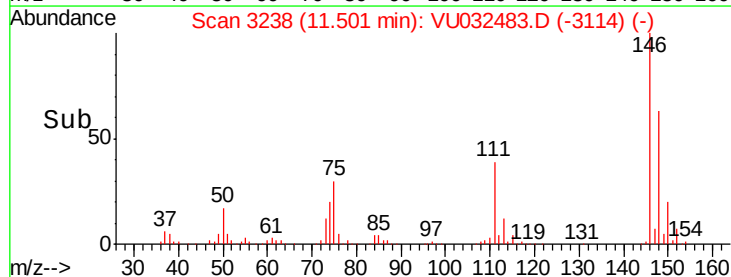


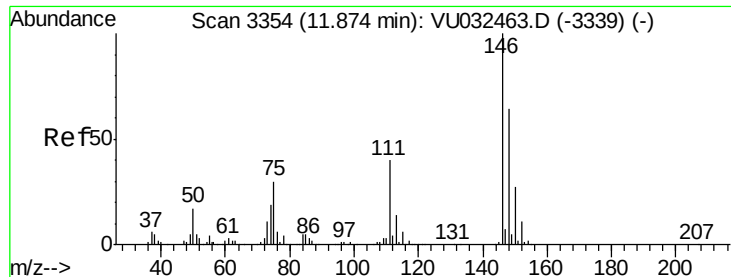
#63
 1,4-Dichlorobenzene
 Concen: 48.058 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion:146 Resp: 167866
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.6 49.4
 148 63.3 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

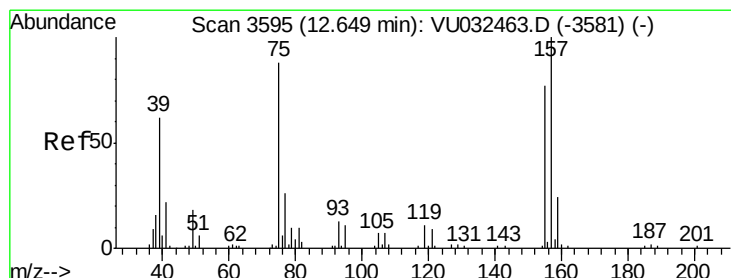
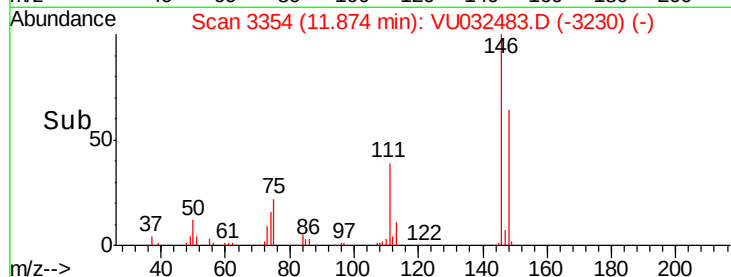
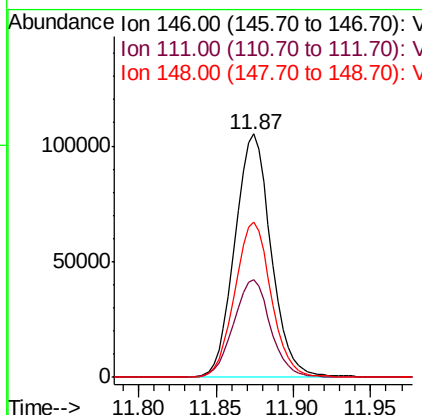
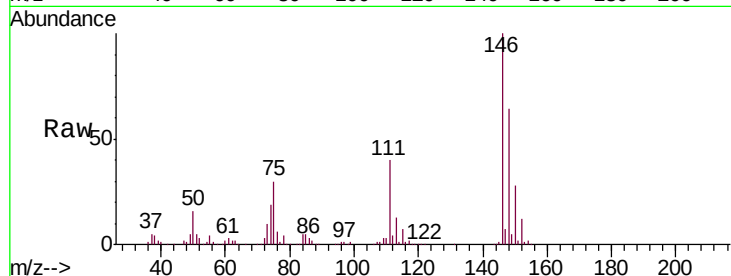




#65
 1,2-Dichlorobenzene
 Concen: 49.538 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

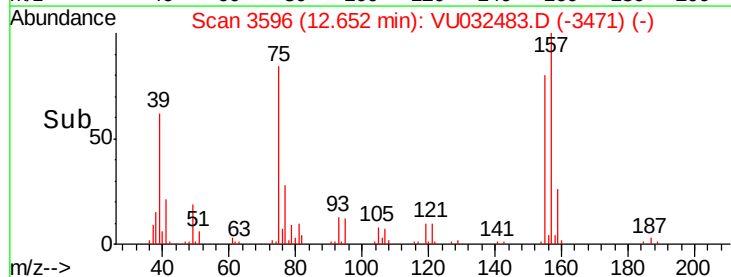
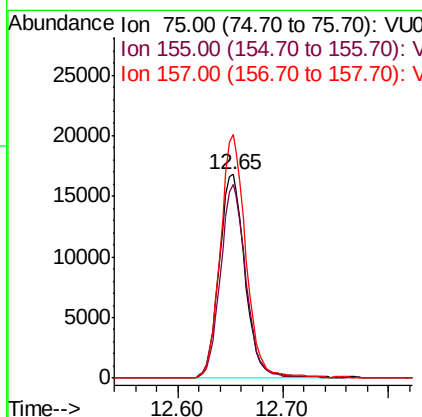
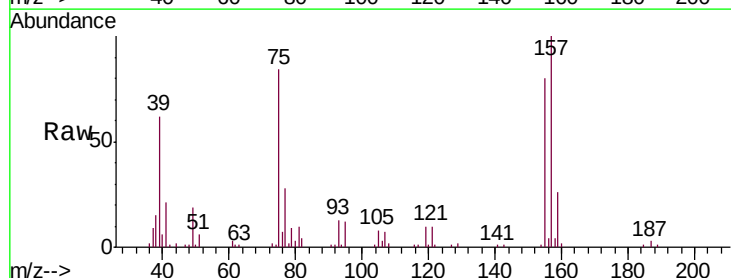
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

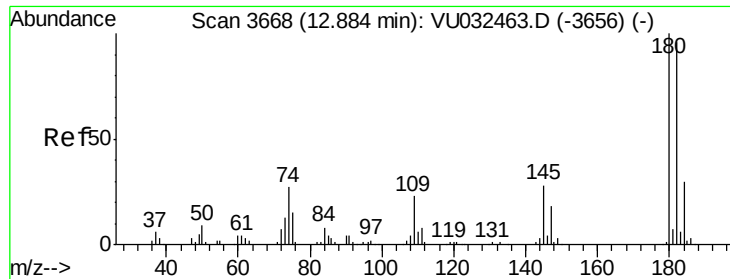
Tgt Ion: 146 Resp: 171119
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.6 48.8
 148 63.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.170 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion: 75 Resp: 28576
 Ion Ratio Lower Upper
 75 100
 155 95.3 73.1 109.7
 157 119.6 91.4 137.2

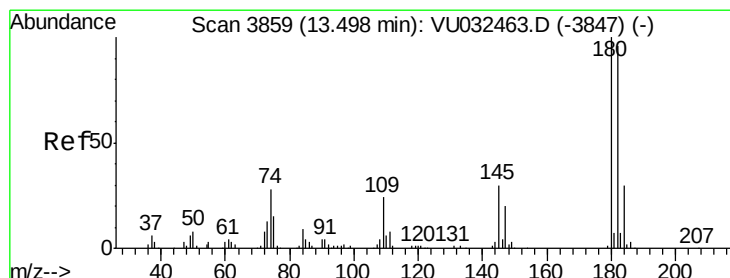
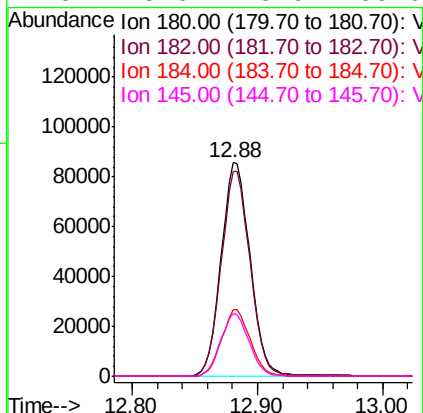
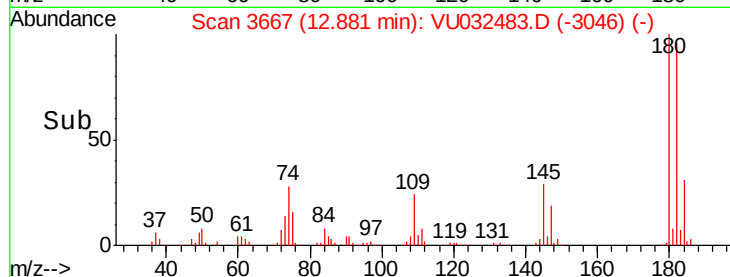
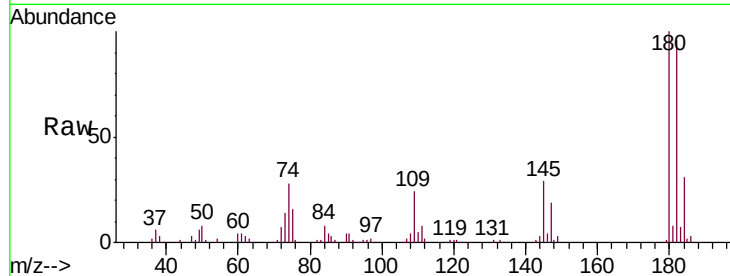




#67
 1,3,5-Trichlorobenzene
 Concen: 51.677 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

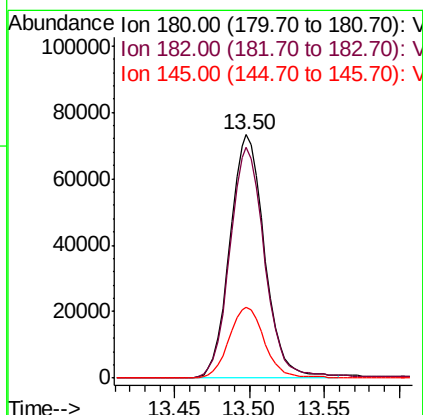
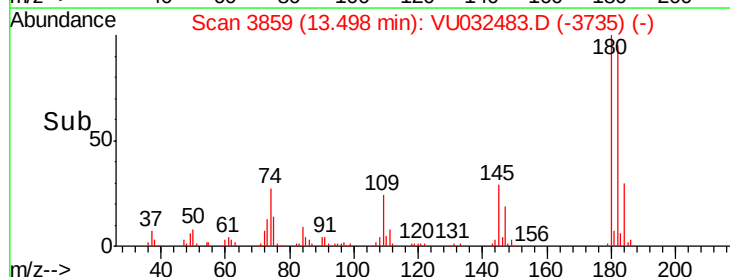
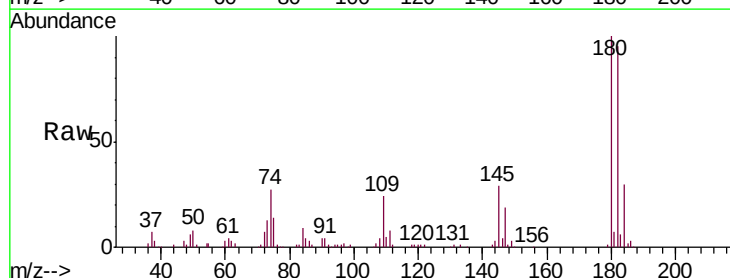
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

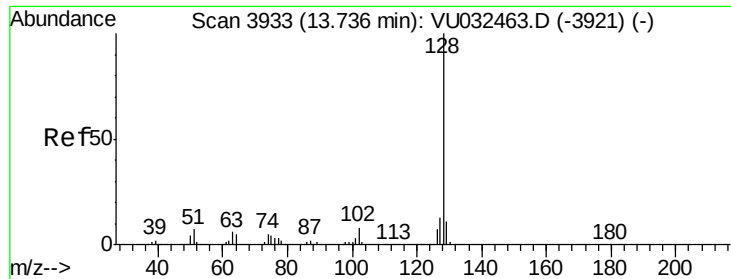
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.2	117.4
184	30.6	24.2	36.2
145	28.6	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 52.666 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032483.D
 Acq: 06 Jun 2019 08:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
145	29.3	23.8	35.6





#69

Naphthalene

Concen: 49.842 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

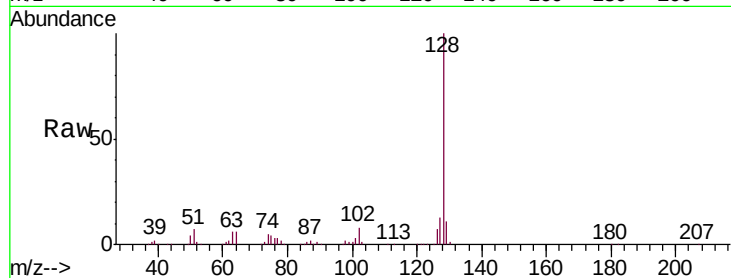
Tgt Ion:128 Resp: 354041

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

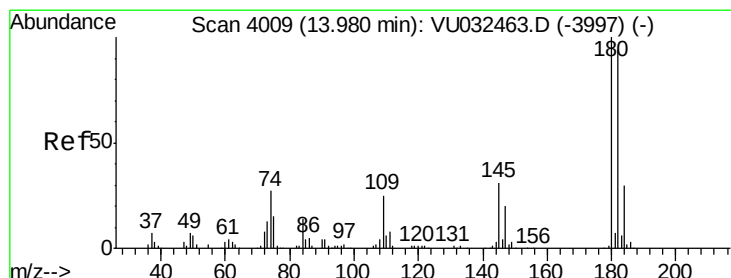
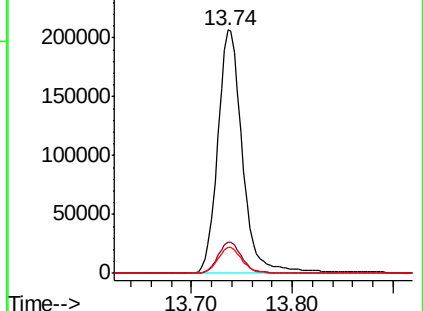
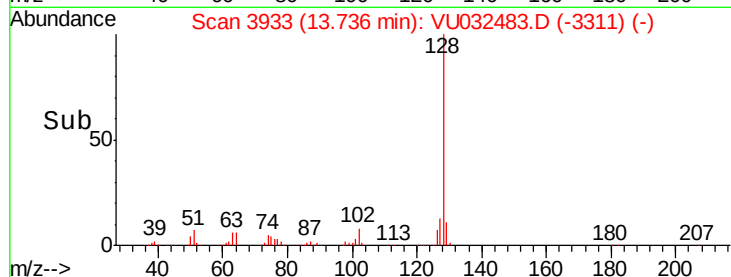
129 10.6 8.5 12.7



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: 50.750 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032483.D

Acq: 06 Jun 2019 08:57

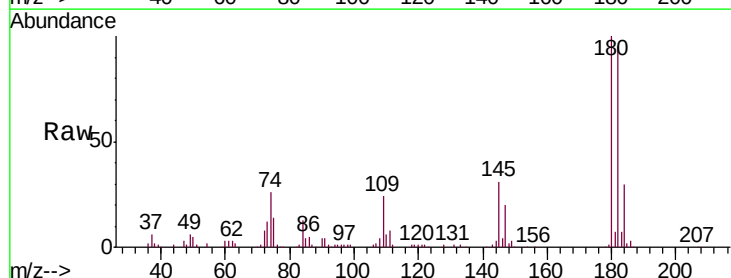
Tgt Ion:180 Resp: 118943

Ion Ratio Lower Upper

180 100

182 94.5 76.7 115.1

145 31.3 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

