

Data File : VU032463.D
Acq On : 05 Jun 2019 15:52
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Quant Time: Jun 06 04:02:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 03:49:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	198265	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	66060	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.67	69	54611	50.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.27	63	129477	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.30%
21) 2-Butanone-d5	4.17	46	118636	104.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.30%
24) Chloroform-d	4.64	84	126922	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
26) 1,2-Dichloroethane-d4	5.30	65	78342	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
32) Benzene-d6	5.33	84	253457	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.48%
36) 1,2-Dichloropropane-d6	6.32	67	79323	49.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.30%
41) Toluene-d8	7.56	98	239590	49.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.18%
43) trans-1,3-Dichloropropene-	7.85	79	40714	52.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.42%
47) 2-Hexanone-d5	8.31	63	82916	105.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.91%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118336	50.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	102682	50.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	95264	50.442	ug/L 100
3) Chloromethane	1.32	50	91669	50.232	ug/L 99
5) Vinyl chloride	1.40	62	91055	49.949	ug/L 98
6) Bromomethane	1.62	94	56157	51.693	ug/L 99
8) Chloroethane	1.69	64	52473	48.426	ug/L 98
9) Trichlorofluoromethane	1.88	101	122153	49.624	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	63875	49.894	ug/L 99
12) 1,1-Dichloroethene	2.28	96	63347	50.961	ug/L 91
13) Acetone	2.31	43	117832	100.402	ug/L 99
14) Carbon disulfide	2.47	76	194320	51.449	ug/L 98
15) Methyl Acetate	2.61	43	84429	50.387	ug/L 96
16) Methylene chloride	2.69	84	71631	50.502	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	67080	49.799	ug/L 98
18) Methyl tert-butyl Ether	2.99	73	220101	49.736	ug/L 100
19) 1,1-Dichloroethane	3.44	63	125350	51.046	ug/L 100
20) cis-1,2-Dichloroethene	4.22	96	77419	50.784	ug/L 97
22) 2-Butanone	4.25	43	144158	103.930	ug/L 99

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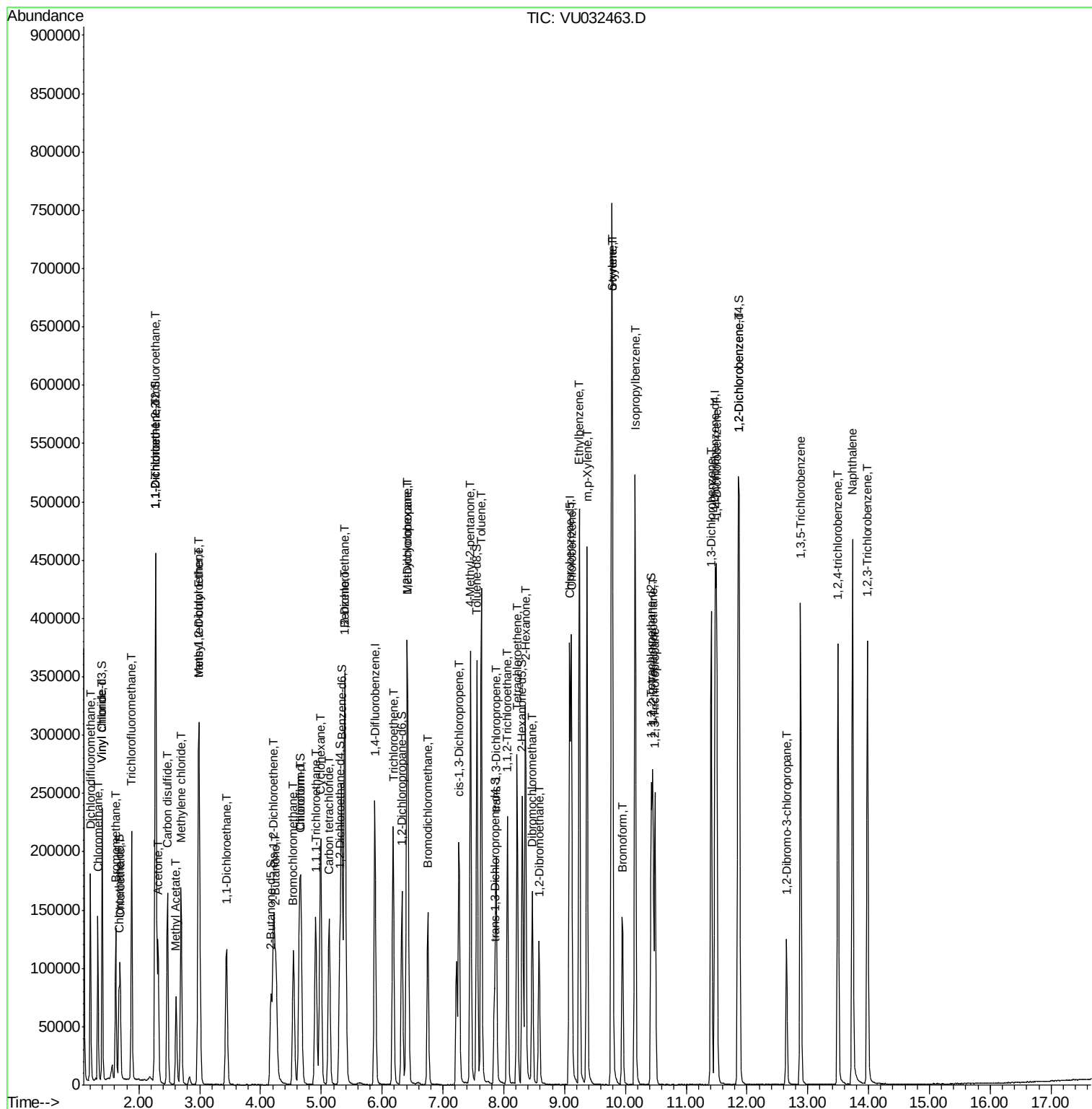
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39354	49.648	ug/L	97
25) Chloroform	4.67	83	127037	50.132	ug/L	98
27) 1,2-Dichloroethane	5.40	62	99747	49.792	ug/L	99
29) Cyclohexane	4.99	56	117010	49.617	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	113369	50.511	ug/L	99
31) Carbon tetrachloride	5.13	117	102737	49.943	ug/L	100
33) Benzene	5.38	78	278204	49.942	ug/L	100
34) Trichloroethene	6.18	95	73980	48.814	ug/L	100
35) Methylcyclohexane	6.41	83	120424	49.082	ug/L	100
37) 1,2-Dichloropropane	6.42	63	75341	51.020	ug/L	100
38) Bromodichloromethane	6.75	83	95023	49.975	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	117477	50.422	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	246537	103.776	ug/L	100
42) Toluene	7.63	91	306723	50.276	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	106916	51.700	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	70003	50.130	ug/L	98
46) Tetrachloroethene	8.22	164	62647	50.049	ug/L	98
48) 2-Hexanone	8.36	43	206940	106.055	ug/L	99
49) Dibromochloromethane	8.47	129	82762	50.990	ug/L	97
50) 1,2-Dibromoethane	8.58	107	79189	50.381	ug/L	100
51) Chlorobenzene	9.11	112	200031	50.892	ug/L	100
52) Ethylbenzene	9.24	91	343883	50.569	ug/L	99
53) m,p-Xylene	9.37	106	132667	51.306	ug/L	99
54) o-xylene	9.77	106	130889	50.981	ug/L	99
55) Styrene	9.79	104	224335	52.340	ug/L	99
56) Isopropylbenzene	10.16	105	343860	50.792	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	124001	51.956	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	97462	50.770	ug/L	98
61) Bromoform	9.95	173	64800	51.429	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	165314	51.704	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	167591	51.271	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	166013	51.357	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30164	55.463	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	132245	53.163	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	120744	57.295	ug/L	100
69) Naphthalene	13.74	128	393153	59.145	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	123666	56.385	ug/L	99

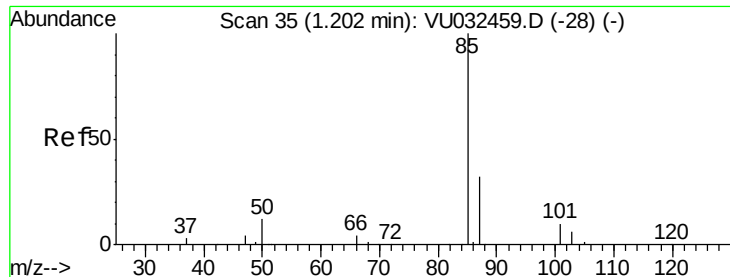
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.442 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

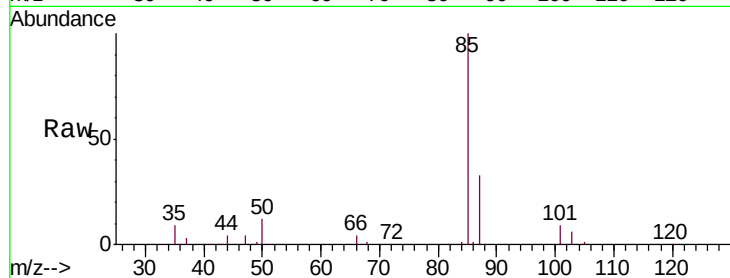
VSTD05060

Tgt Ion: 85 Resp: 95264

Ion Ratio Lower Upper

85 100

87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032459.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032459.D (-28) (-)

1.20

100000

80000

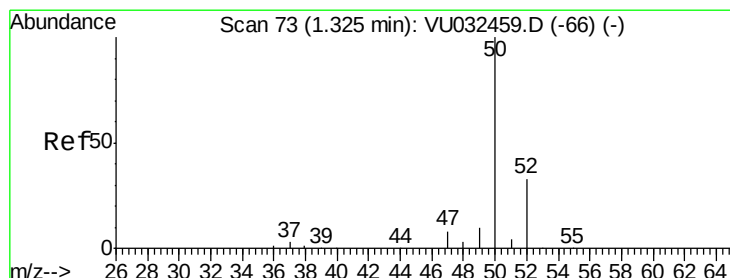
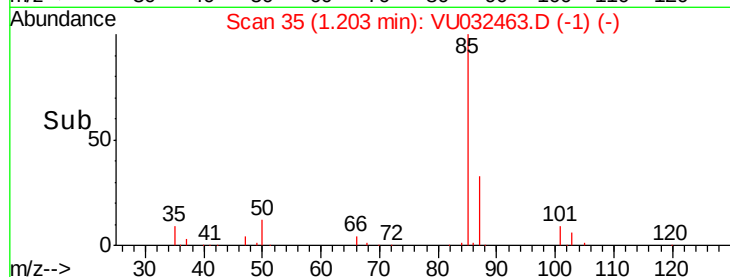
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 50.232 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032463.D

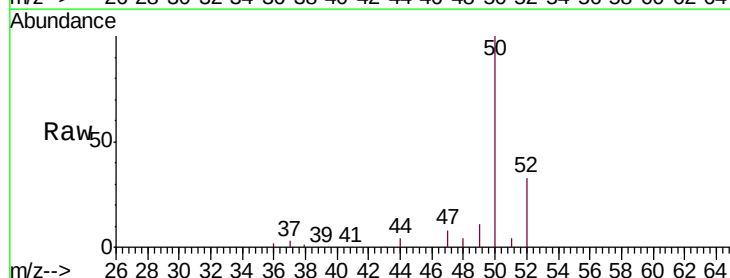
Acq: 05 Jun 2019 15:52

Tgt Ion: 50 Resp: 91669

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032459.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032459.D (-66) (-)

1.32

100000

80000

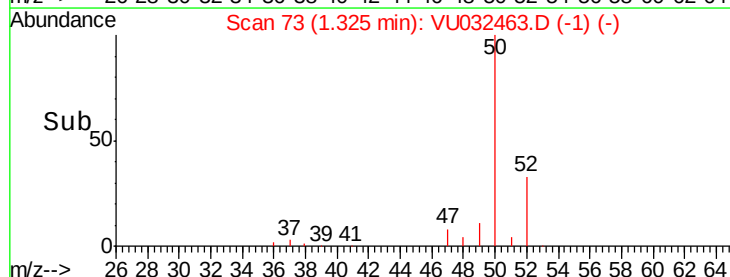
60000

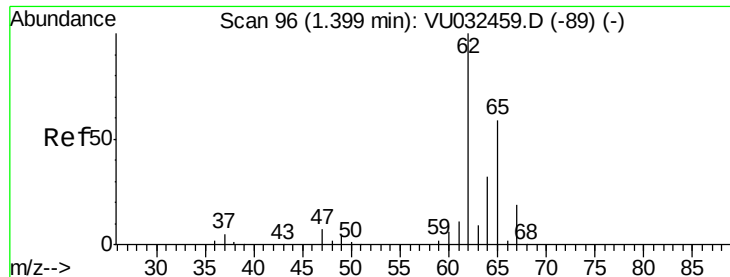
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.949 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

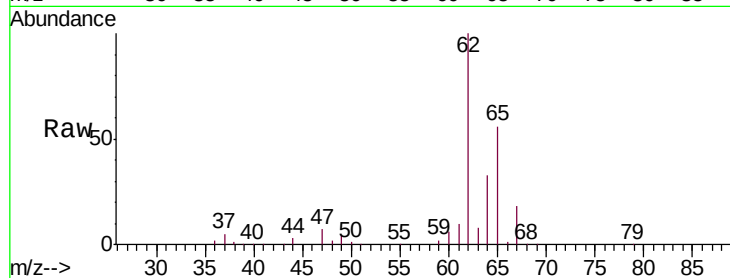
VSTD05060

Tgt Ion: 62 Resp: 91055

Ion Ratio Lower Upper

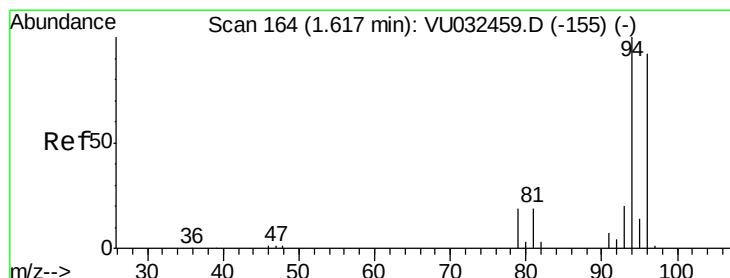
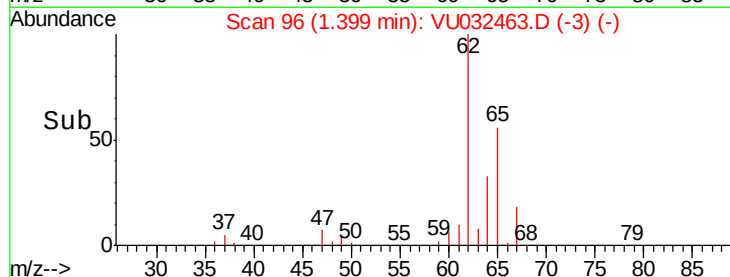
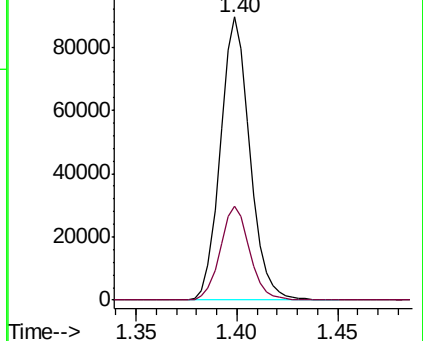
62 100

64 33.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032459.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032459.D (-89) (-)



#6

Bromomethane

Concen: 51.693 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU032463.D

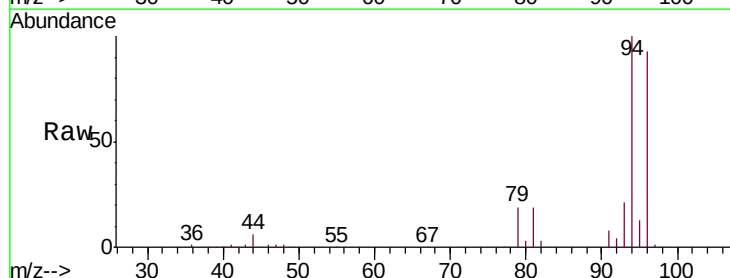
Acq: 05 Jun 2019 15:52

Tgt Ion: 94 Resp: 56157

Ion Ratio Lower Upper

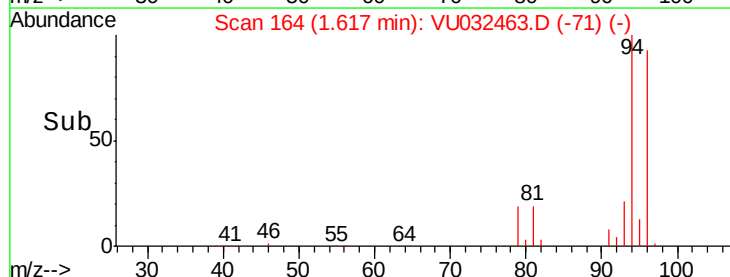
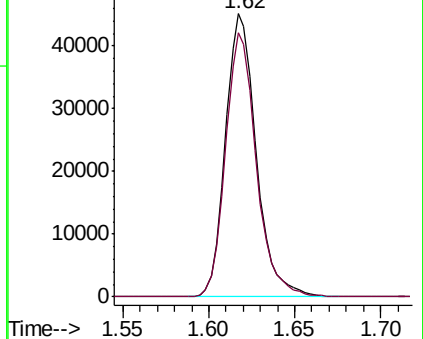
94 100

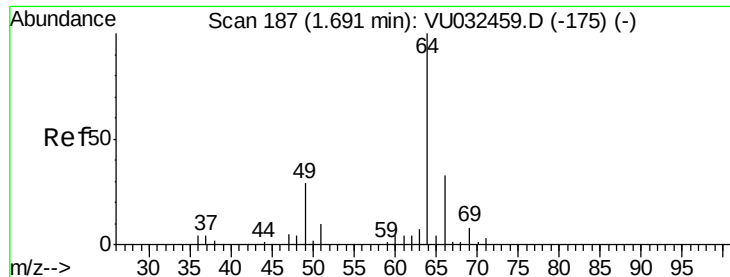
96 93.2 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032459.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU032459.D (-155) (-)





#8

Chloroethane

Concen: 48.426 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

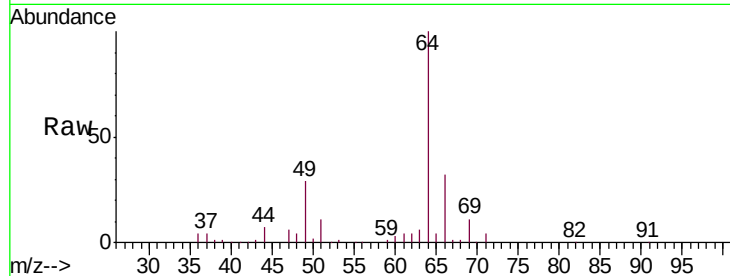
VSTD05060

Tgt Ion: 64 Resp: 52473

Ion Ratio Lower Upper

64 100

66 31.8 22.9 42.5

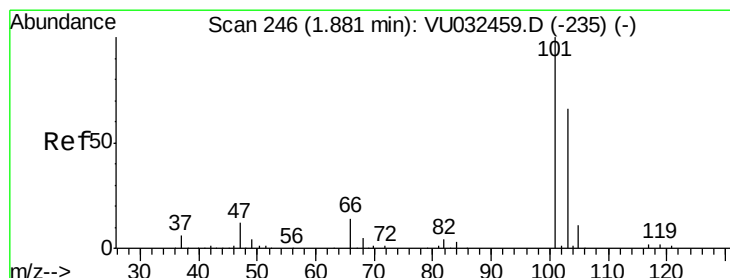
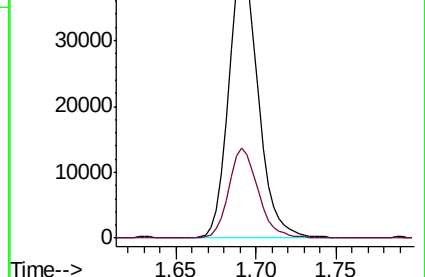
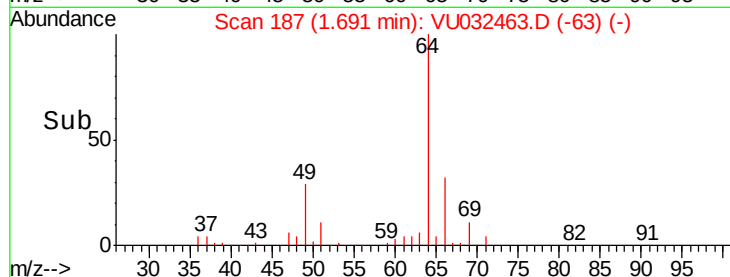


Abundance Ion 64.00 (63.70 to 64.70): VU032459.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU032459.D (-175) (-)

1.69

Time-->



#9

Trichlorofluoromethane

Concen: 49.624 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032463.D

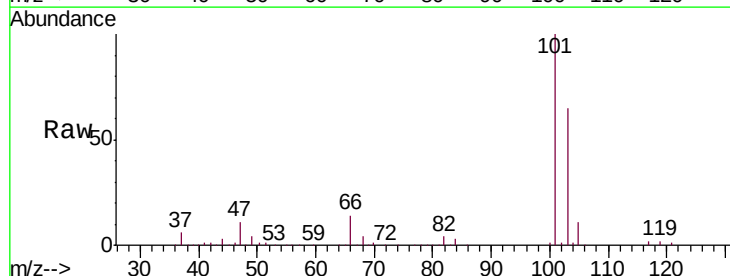
Acq: 05 Jun 2019 15:52

Tgt Ion: 101 Resp: 122153

Ion Ratio Lower Upper

101 100

103 65.3 52.5 78.7

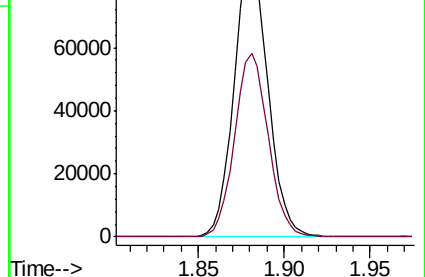
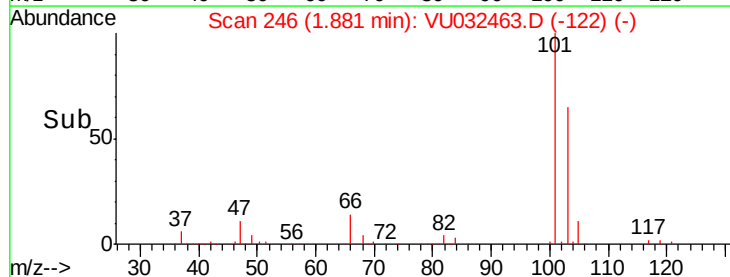


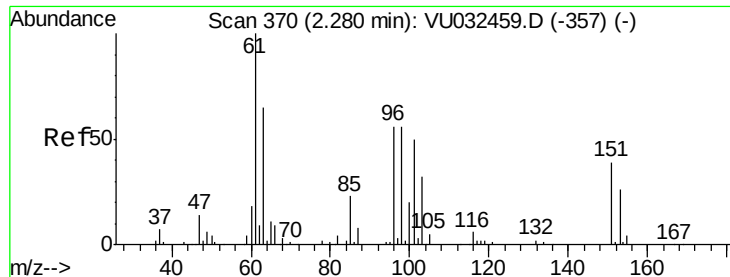
Abundance Ion 101.00 (100.70 to 101.70): VU032459.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032459.D (-235) (-)

1.88

Time-->





#10

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

Concen: 49.894 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

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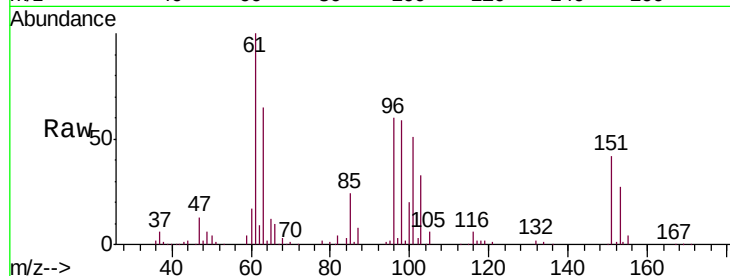
Tgt Ion: 101 Resp: 63875

Ion Ratio Lower Upper

101 100

85 45.0 36.1 54.1

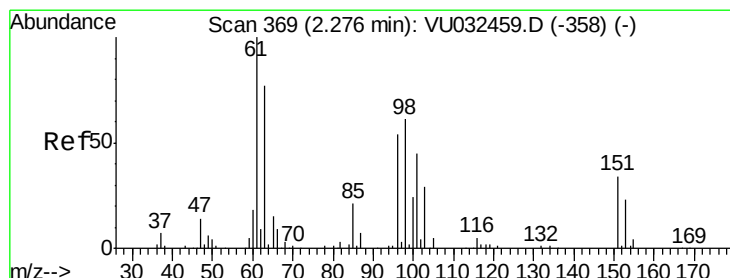
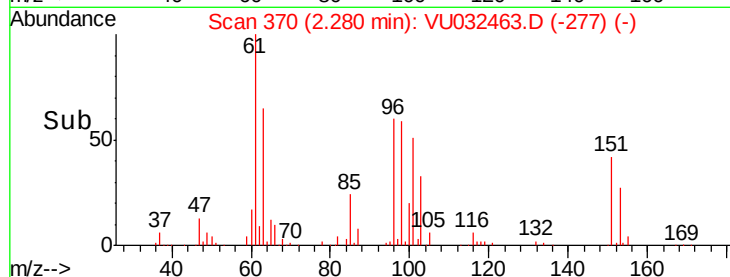
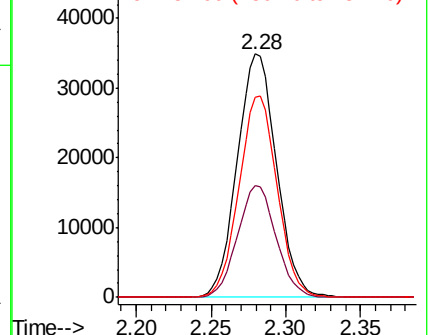
151 80.2 63.0 94.4



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: 50.961 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

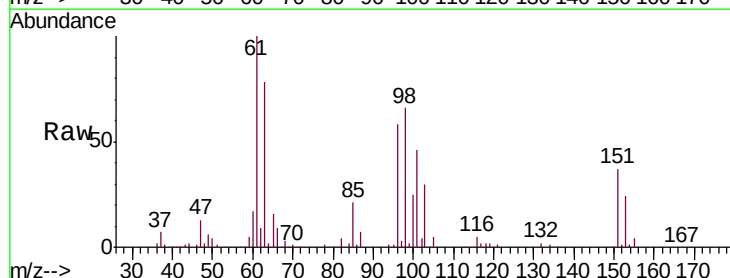
Tgt Ion: 96 Resp: 63347

Ion Ratio Lower Upper

96 100

61 173.7 129.5 240.5

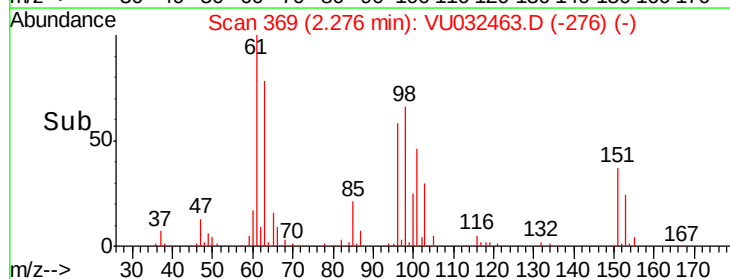
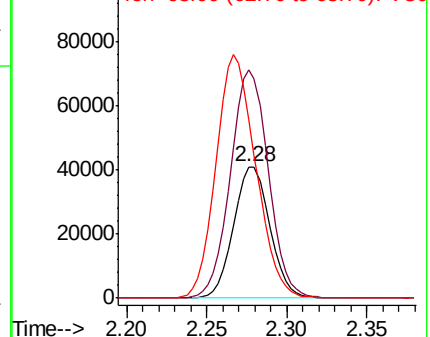
63 135.0 103.4 192.0

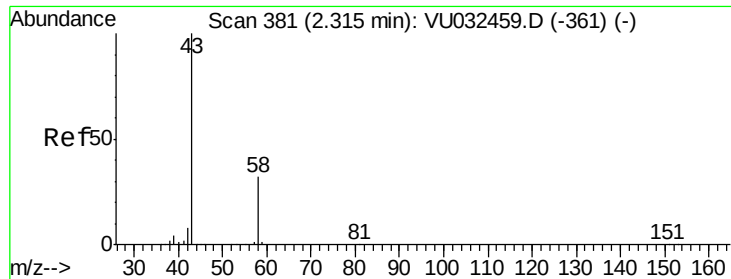


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 100.402 ug/L

RT: 2.31 min Scan# 381

Delta R.T. 0.00 min

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ClientSampleId :

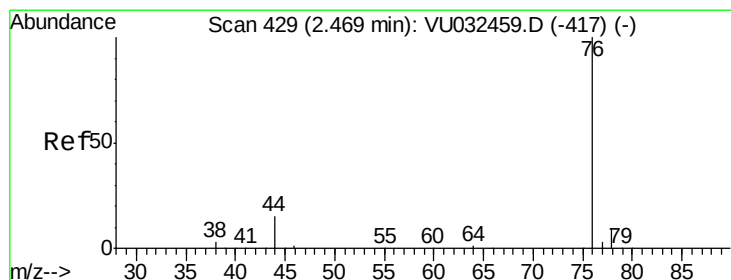
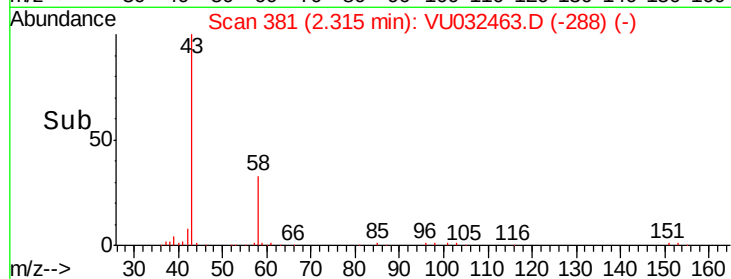
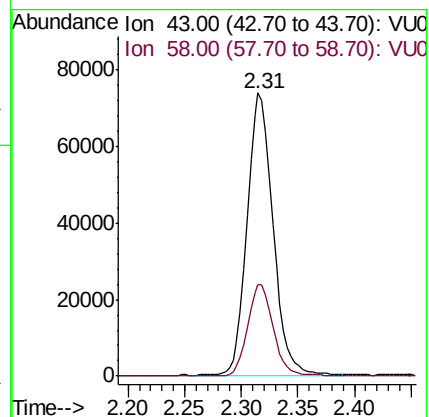
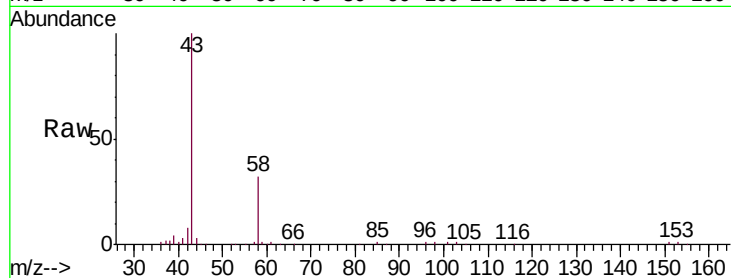
VSTD05060

Tgt Ion: 43 Resp: 117832

Ion Ratio Lower Upper

43 100

58 32.4 0.0 64.0



#14

Carbon disulfide

Concen: 51.449 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

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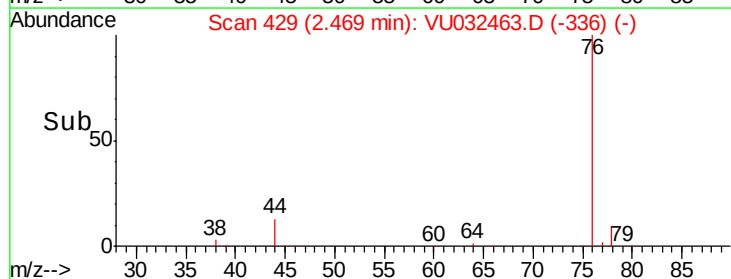
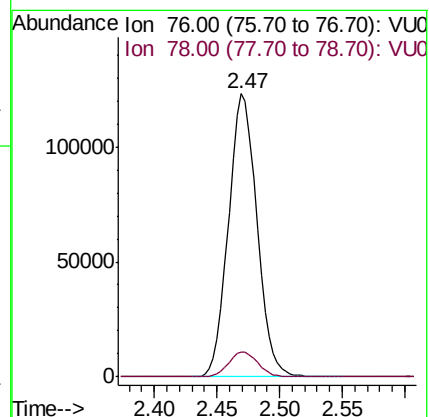
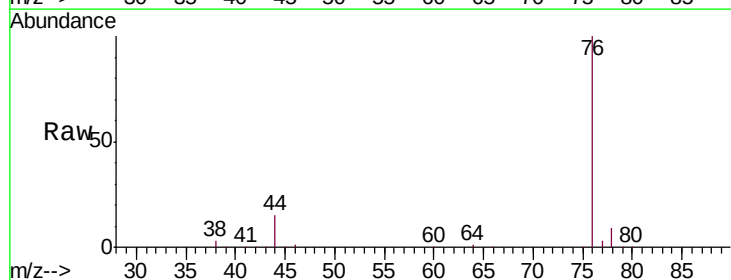
Acq: 05 Jun 2019 15:52

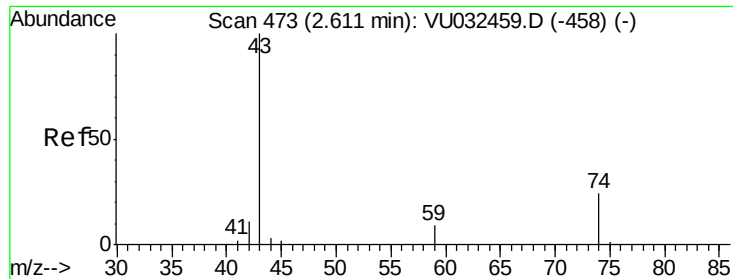
Tgt Ion: 76 Resp: 194320

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

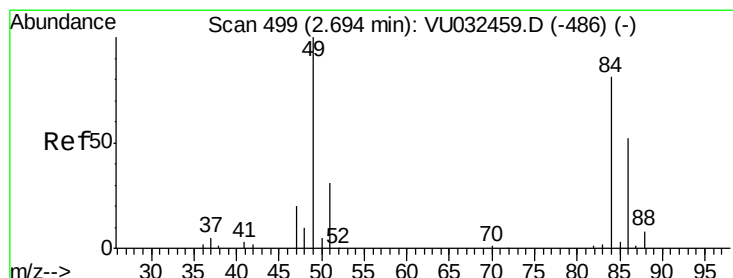
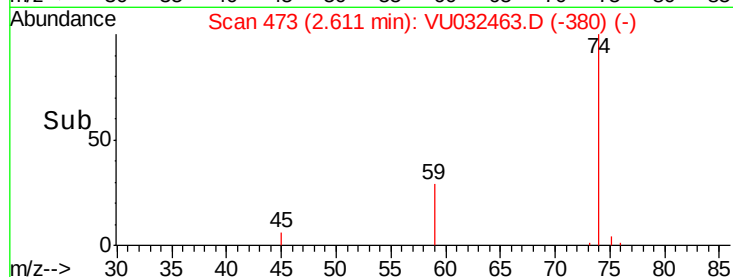
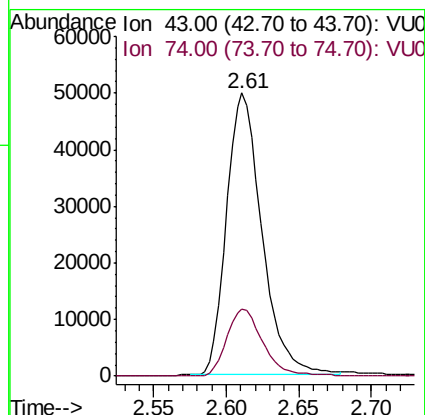
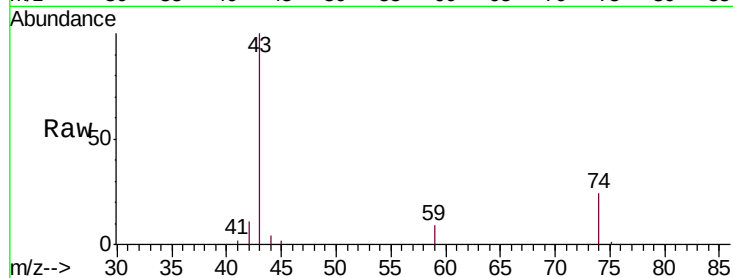




#15
Methyl Acetate
Concen: 50.387 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

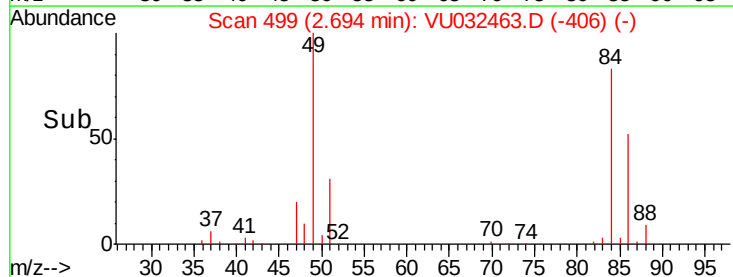
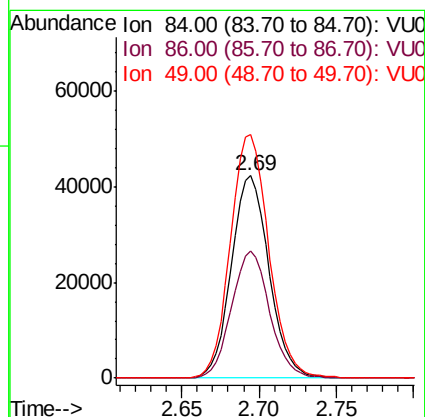
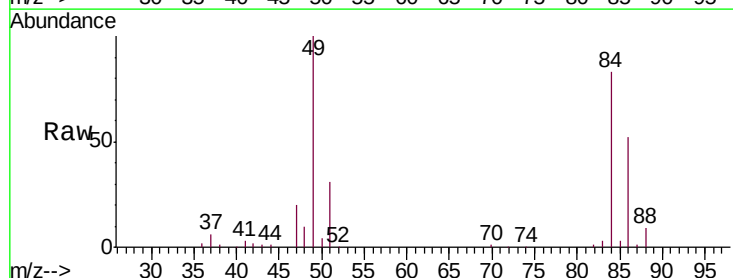
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

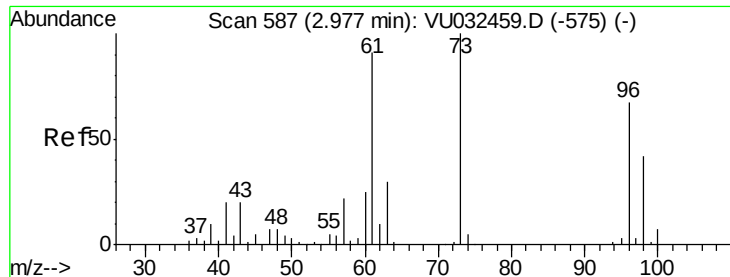
Tgt Ion: 43 Resp: 84429
Ion Ratio Lower Upper
43 100
74 24.2 18.0 27.0



#16
Methylene chloride
Concen: 50.502 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Tgt Ion: 84 Resp: 71631
Ion Ratio Lower Upper
84 100
86 62.6 44.7 82.9
49 120.4 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 49.799 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

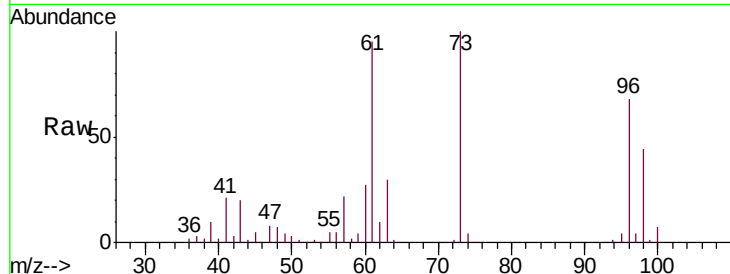
Tgt Ion: 96 Resp: 67080

Ion Ratio Lower Upper

96 100

61 139.8 95.7 177.7

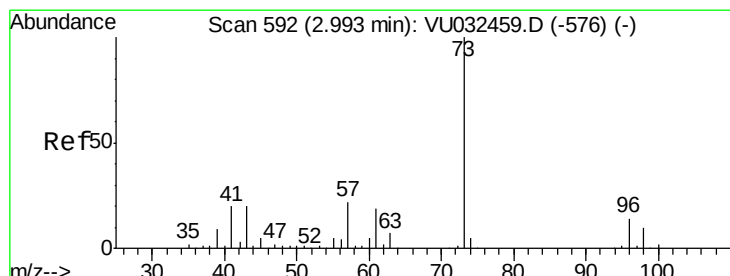
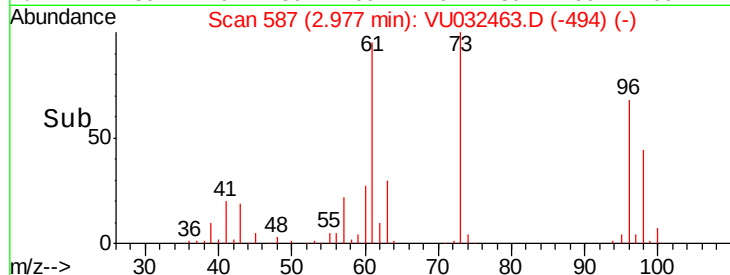
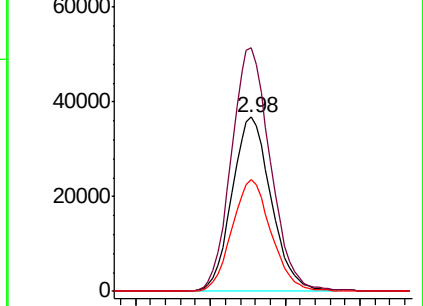
98 64.1 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032463.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032463.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032463.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 49.736 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

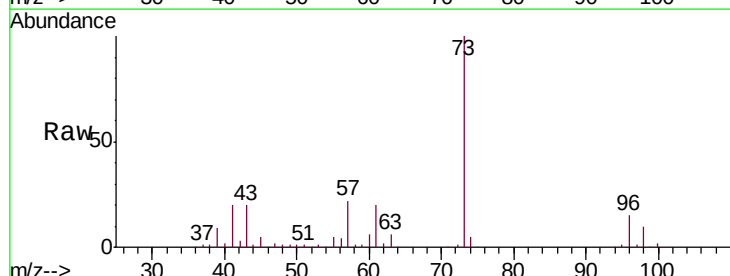
Tgt Ion: 73 Resp: 220101

Ion Ratio Lower Upper

73 100

43 19.9 15.8 23.6

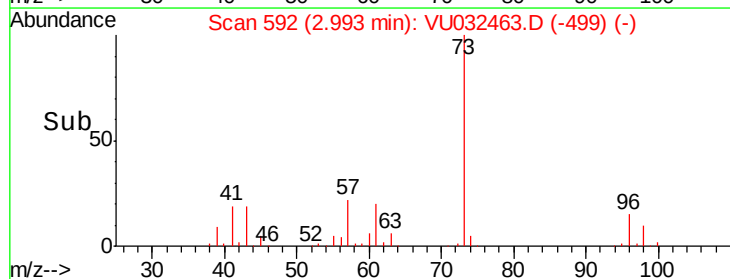
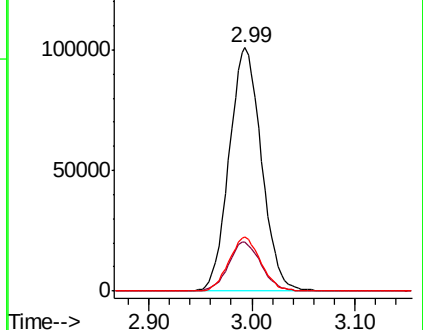
57 21.9 17.6 26.4

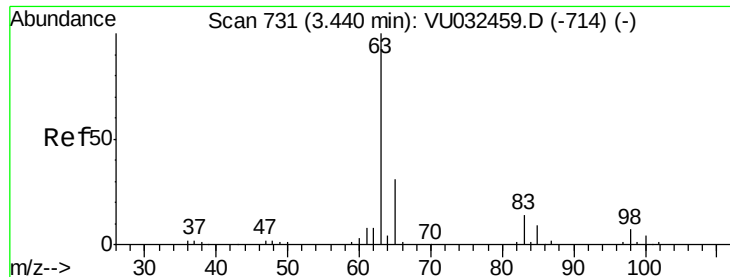


Abundance Ion 73.00 (72.70 to 73.70): VU032463.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU032463.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU032463.D (-499) (-)

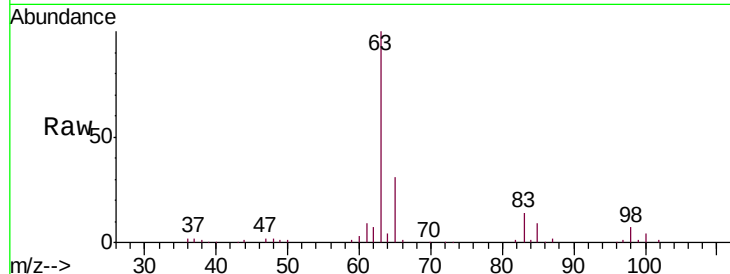




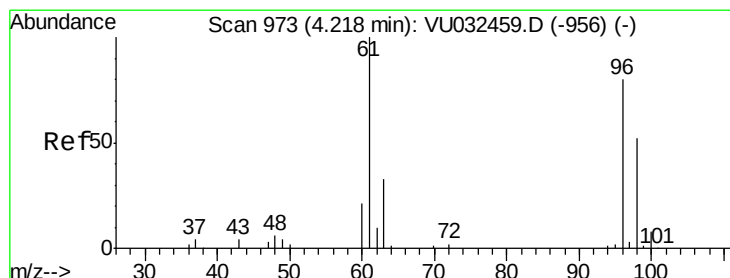
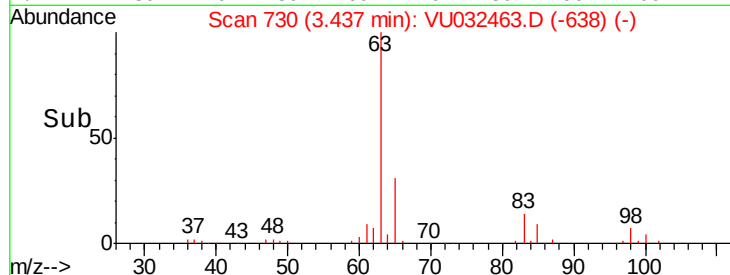
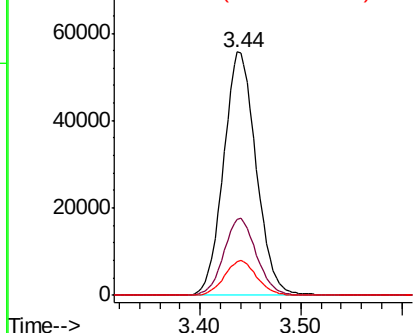
#19
 1,1-Dichloroethane
 Concen: 51.046 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion: 63 Resp: 125350
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.8 40.6
 83 13.9 9.8 18.2

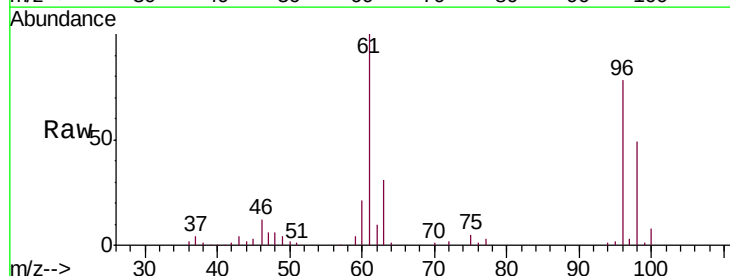


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

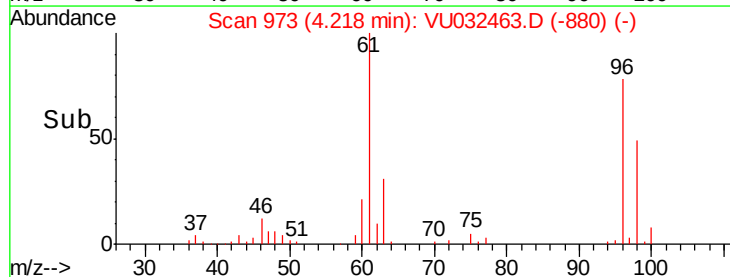
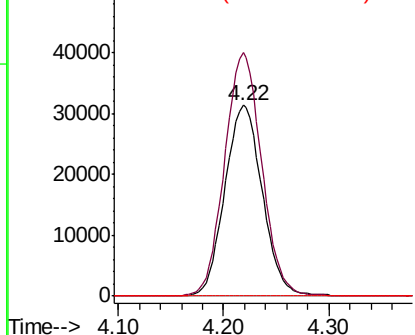


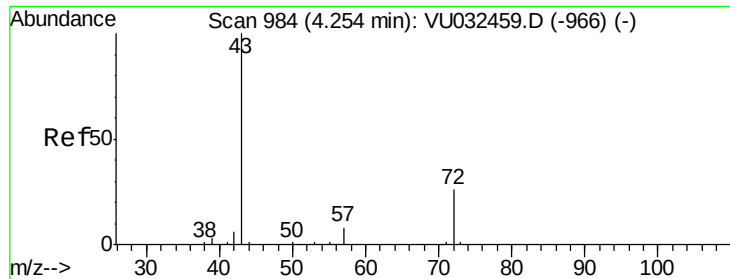
#20
 cis-1,2-Dichloroethene
 Concen: 50.784 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Tgt Ion: 96 Resp: 77419
 Ion Ratio Lower Upper
 96 100
 61 127.6 87.2 162.0
 68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 103.930 ug/L

RT: 4.25 min Scan# 984

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

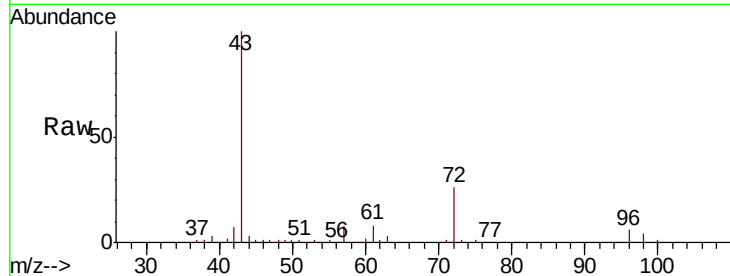
VSTD05060

Tgt Ion: 43 Resp: 144158

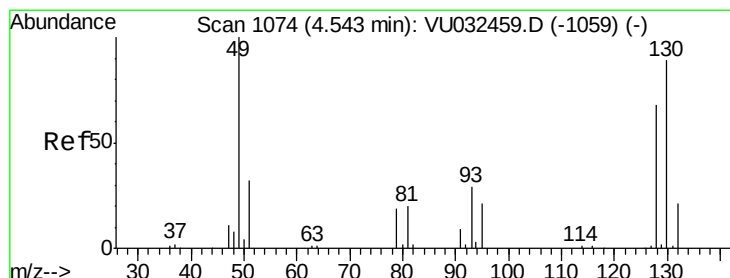
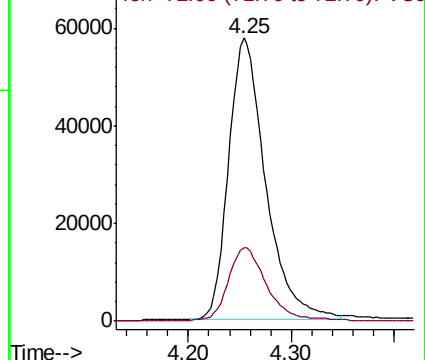
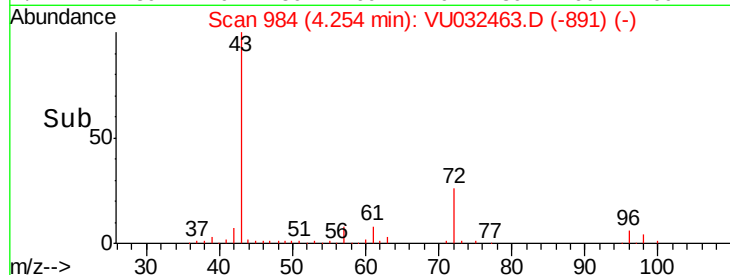
Ion Ratio Lower Upper

43 100

72 26.9 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032463.D (-891) (-)



#23

Bromochloromethane

Concen: 49.648 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Tgt Ion: 128 Resp: 39354

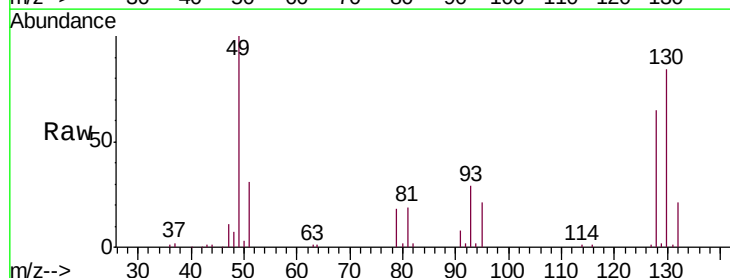
Ion Ratio Lower Upper

128 100

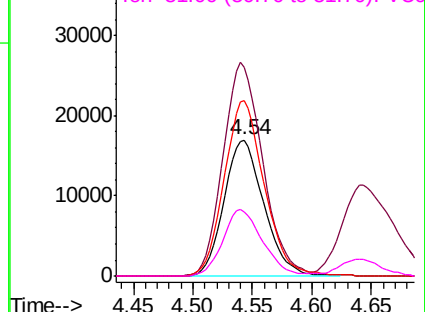
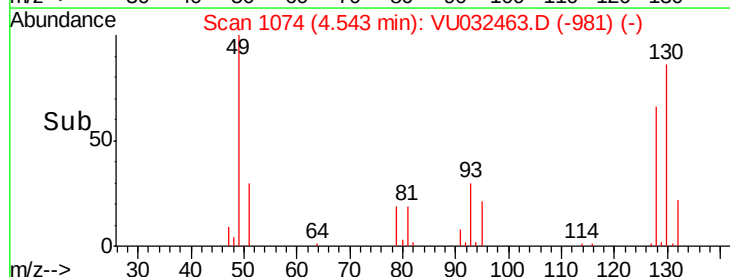
49 154.2 103.7 192.5

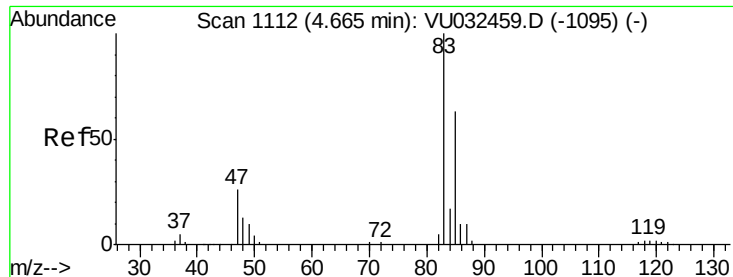
130 128.9 92.2 171.2

51 47.5 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032463.D (-981) (-)

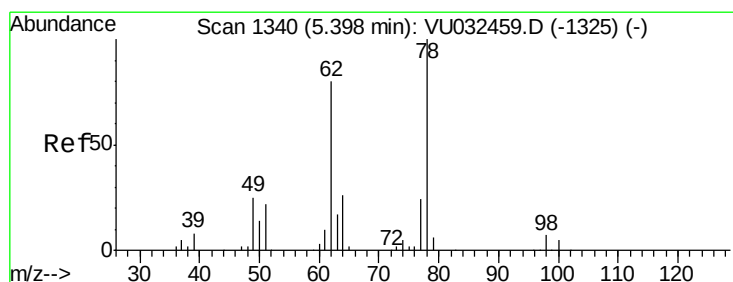
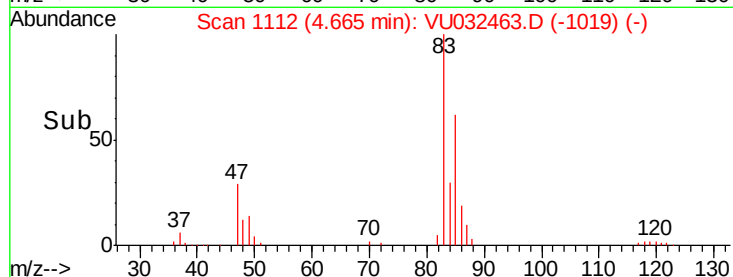
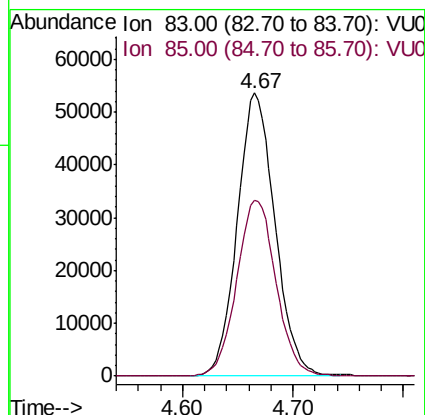
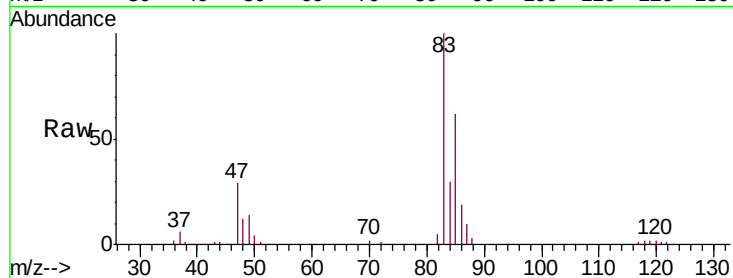




#25
Chloroform
Concen: 50.132 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

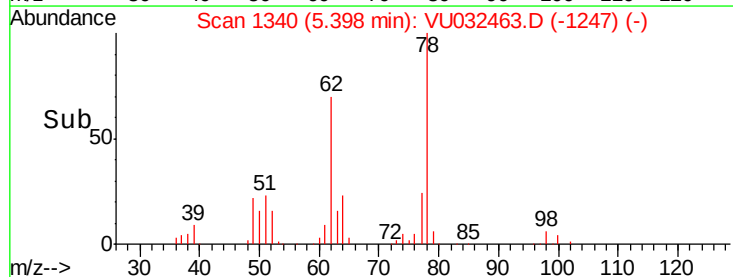
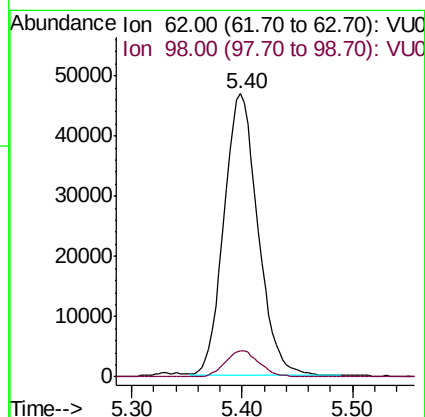
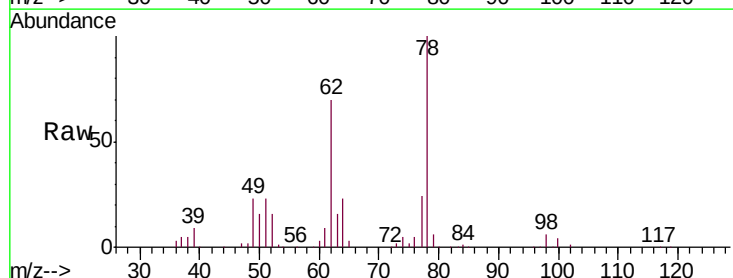
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

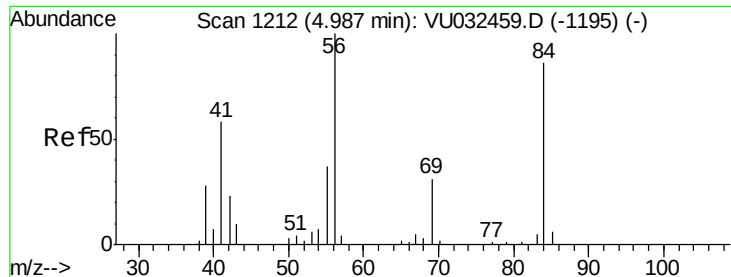
Tgt Ion: 83 Resp: 127037
Ion Ratio Lower Upper
83 100
85 62.0 44.7 82.9



#27
1,2-Dichloroethane
Concen: 49.792 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Tgt Ion: 62 Resp: 99747
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8

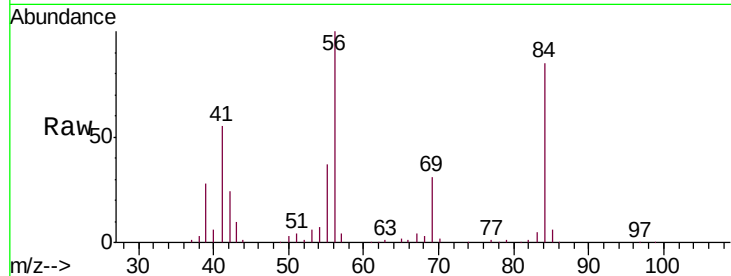




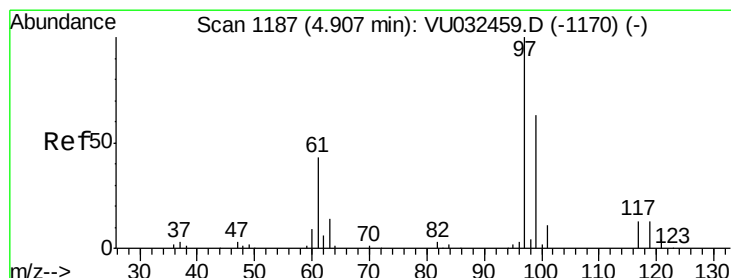
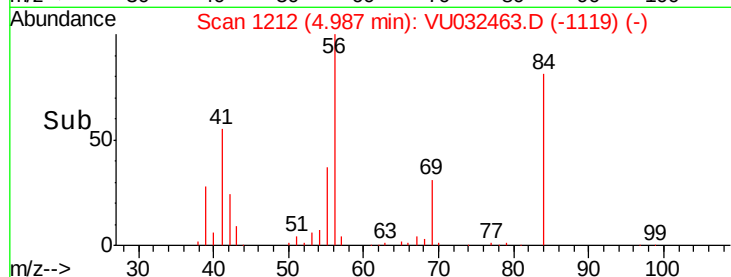
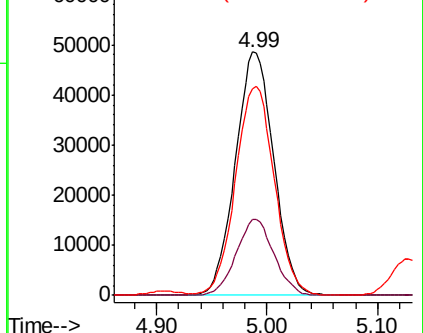
#29
Cyclohexane
Concen: 49.617 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion: 56 Resp: 117010
Ion Ratio Lower Upper
56 100
69 30.6 24.7 37.1
84 87.1 69.0 103.4

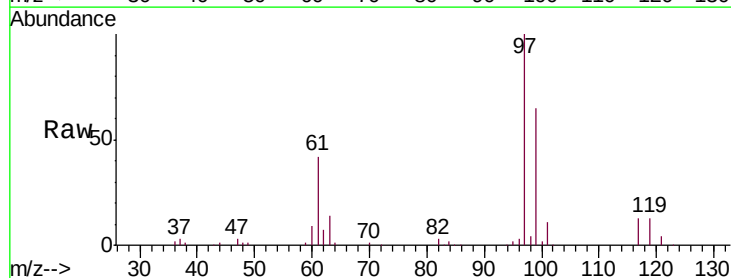


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

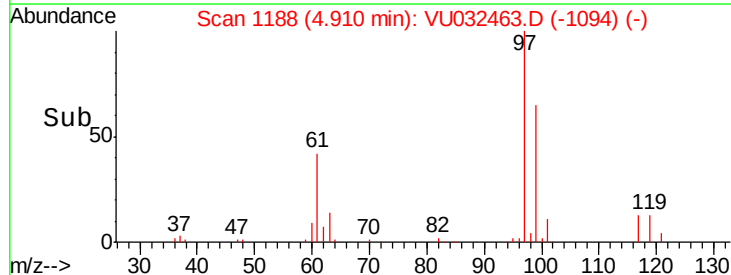
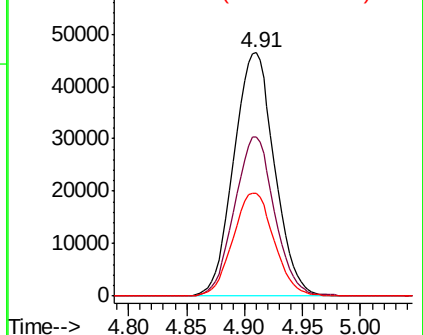


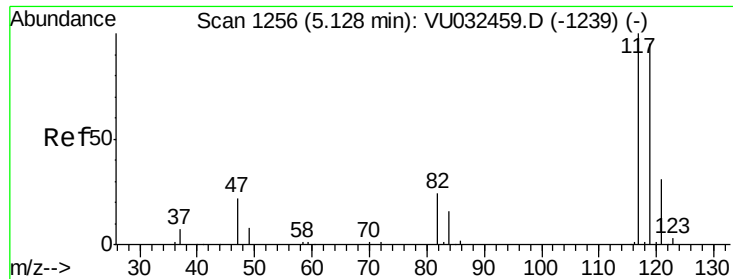
#30
1,1,1-Trichloroethane
Concen: 50.511 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Tgt Ion: 97 Resp: 113369
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 42.8 33.8 50.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 49.943 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

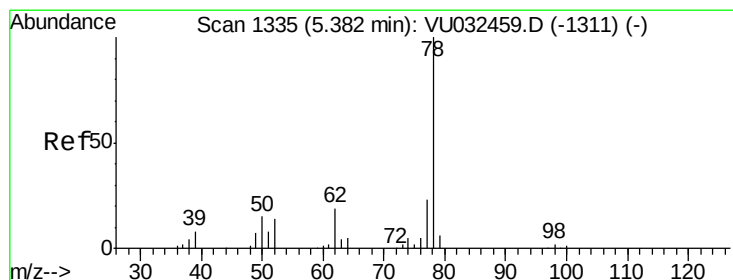
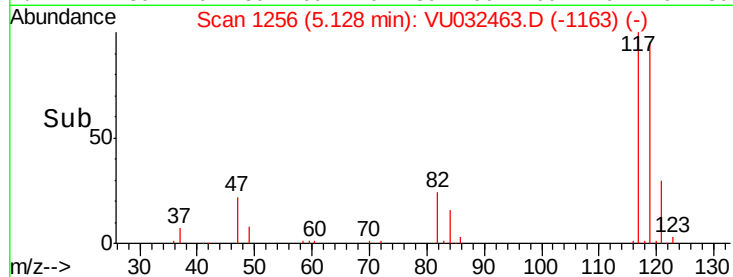
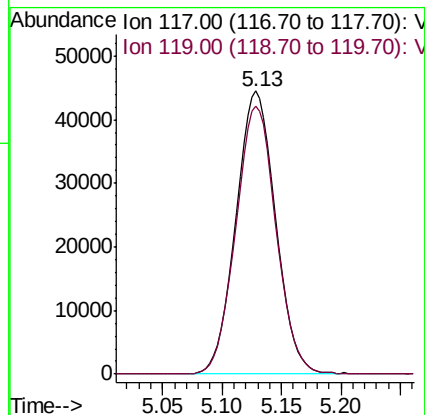
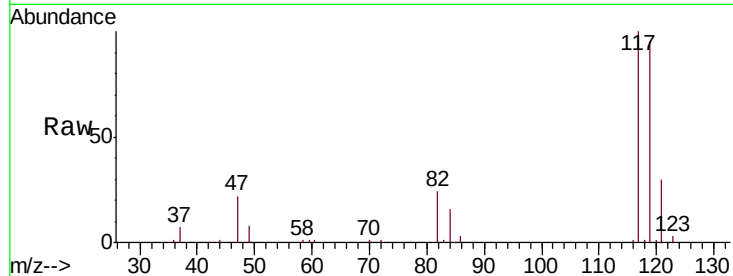
VSTD05060

Tgt Ion:117 Resp: 102737

Ion Ratio Lower Upper

117 100

119 96.0 76.6 114.8



#33

Benzene

Concen: 49.942 ug/L

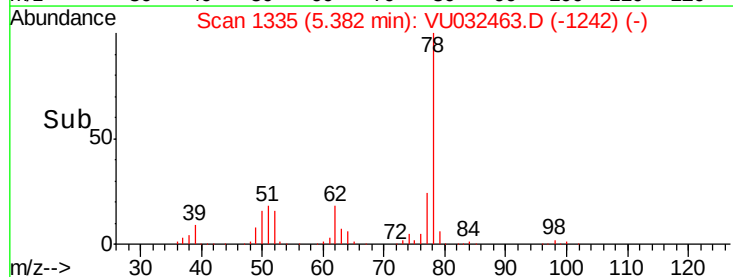
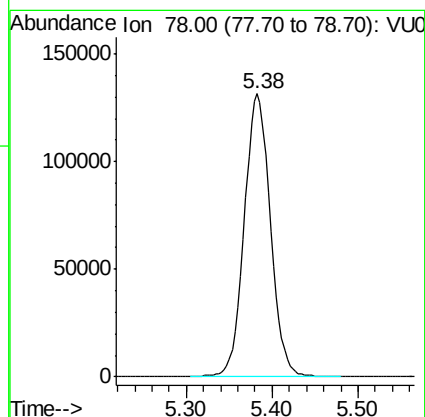
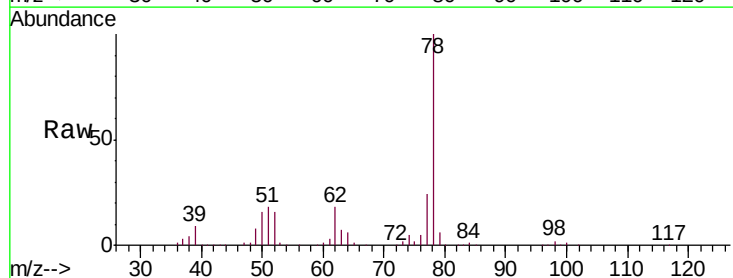
RT: 5.38 min Scan# 1335

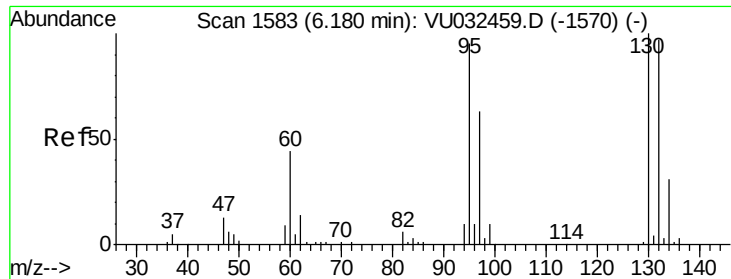
Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Tgt Ion: 78 Resp: 278204





#34

Trichloroethene

Concen: 48.814 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

Tgt Ion: 95 Resp: 73980

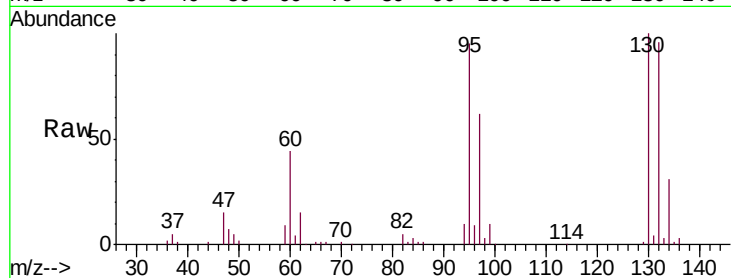
Ion Ratio Lower Upper

95 100

97 65.4 45.8 85.2

132 100.6 71.0 131.8

130 105.1 73.4 136.2

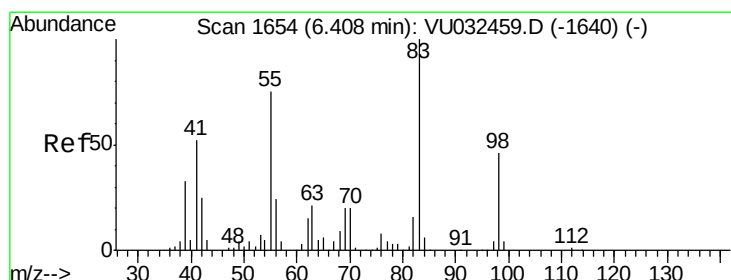
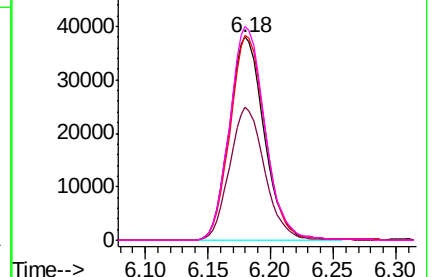
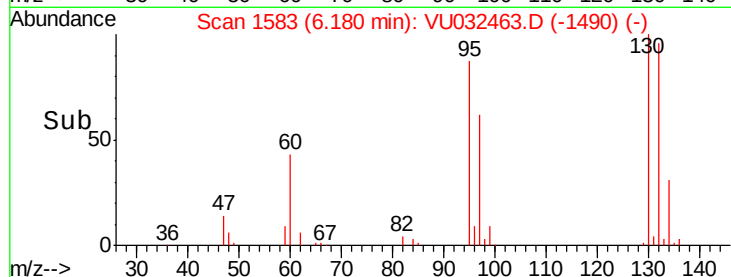


Abundance Ion 95.00 (94.70 to 95.70): VU032459.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032459.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032459.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032459.D (-1570) (-)



#35

Methylcyclohexane

Concen: 49.082 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

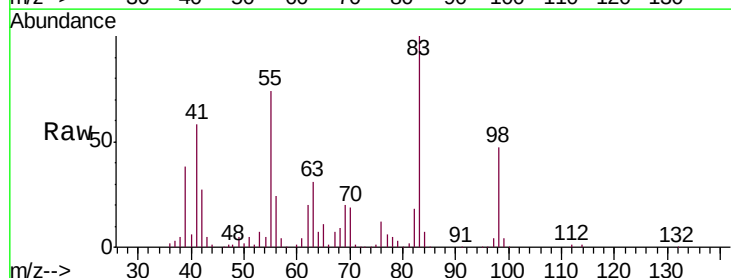
Tgt Ion: 83 Resp: 120424

Ion Ratio Lower Upper

83 100

55 75.8 60.2 90.4

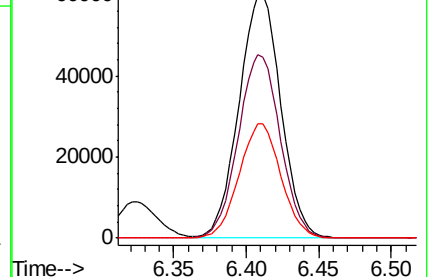
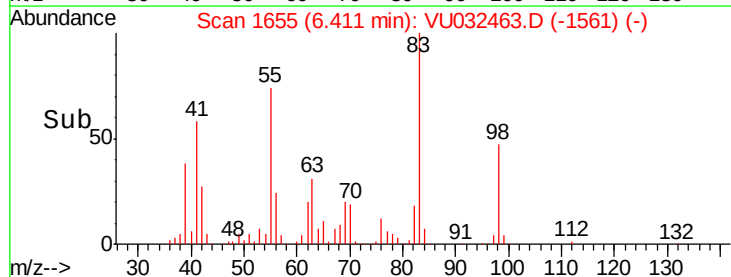
98 47.0 37.4 56.2

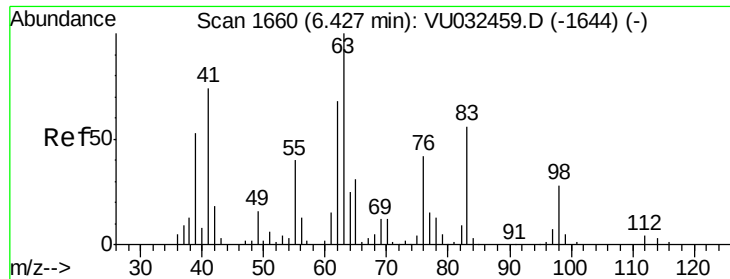


Abundance Ion 83.00 (82.70 to 83.70): VU032459.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032459.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032459.D (-1640) (-)

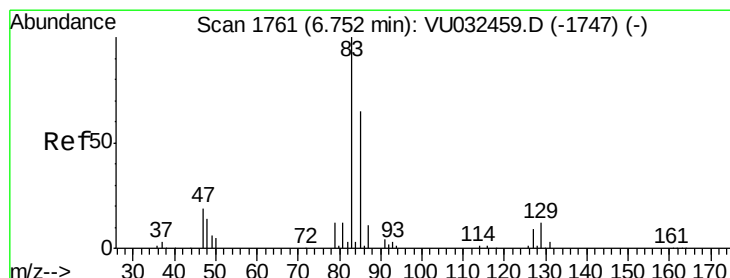
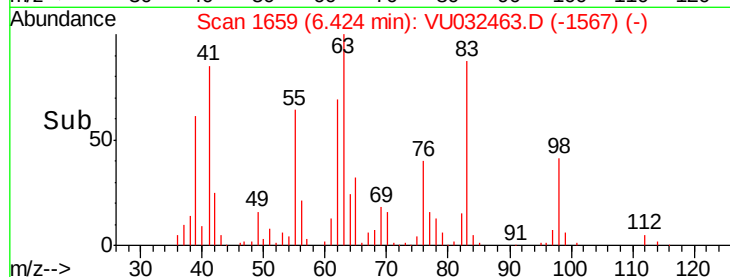
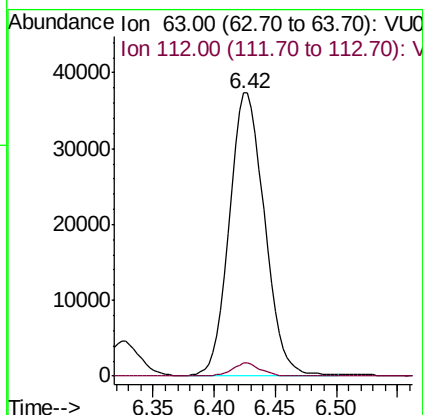
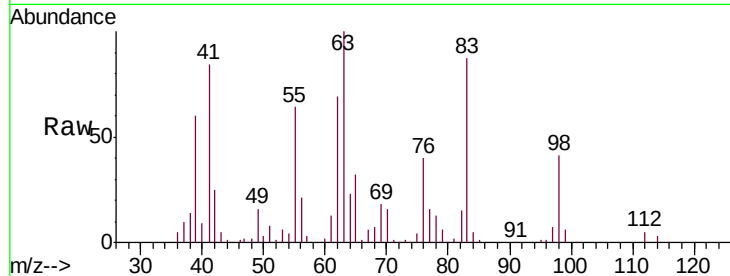




#37
 1,2-Dichloropropane
 Concen: 51.020 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

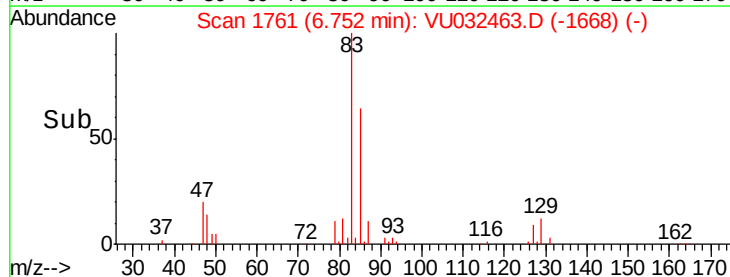
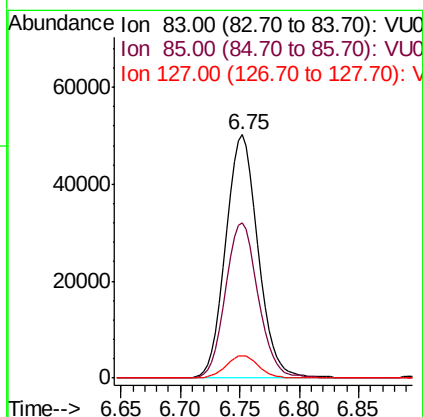
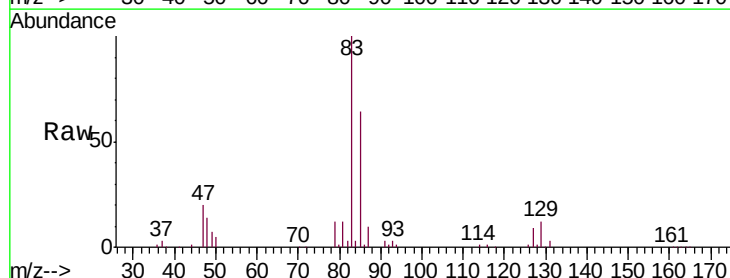
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

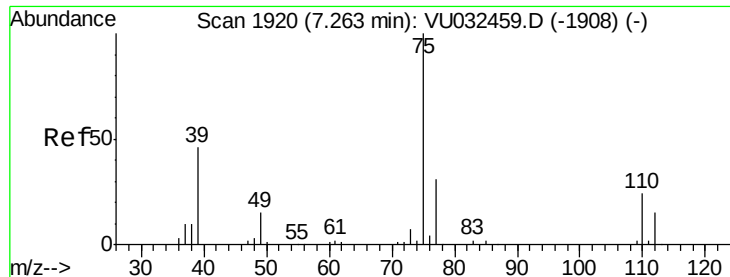
Tgt Ion: 63 Resp: 75341
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.975 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Tgt Ion: 83 Resp: 95023
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.4 84.4
 127 9.2 7.4 11.2

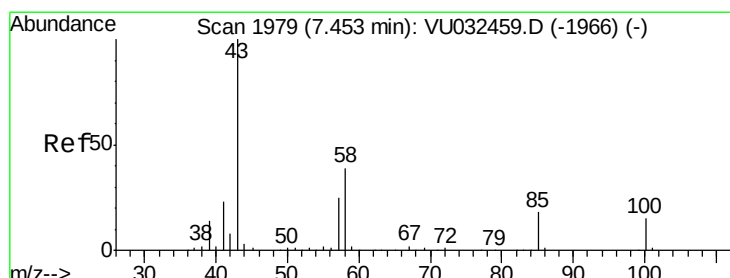
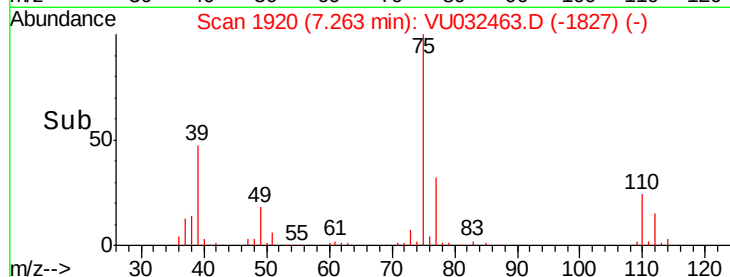
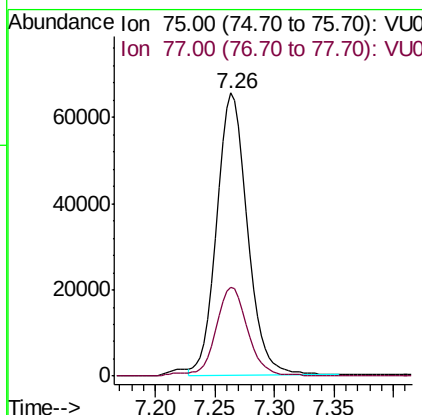
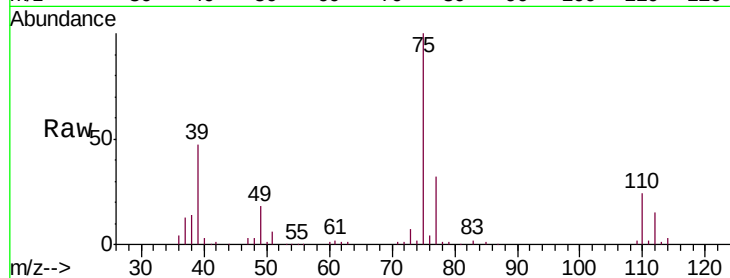




#39
 cis-1,3-Dichloropropene
 Concen: 50.422 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

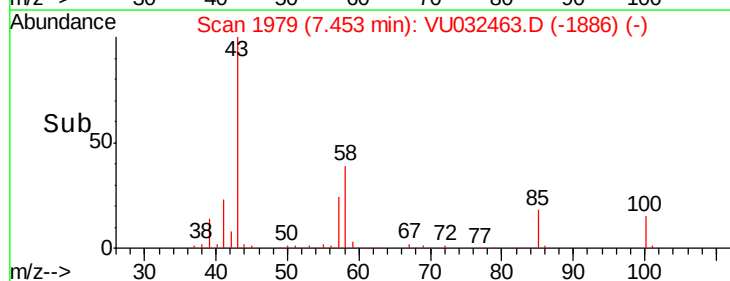
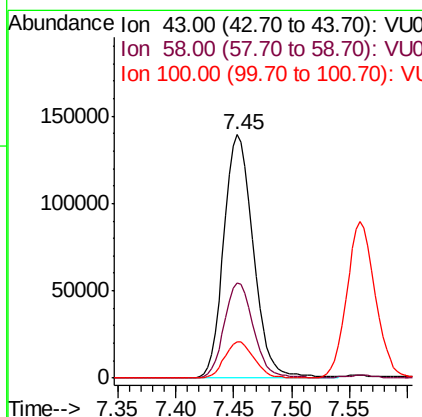
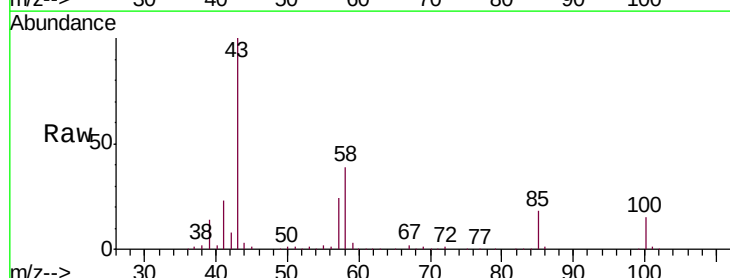
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

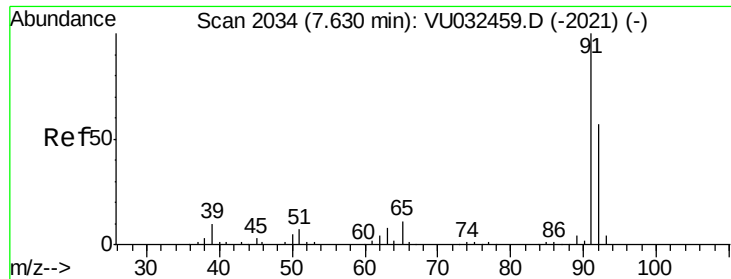
Tgt Ion: 75 Resp: 117477
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 103.776 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Tgt Ion: 43 Resp: 246537
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.8 46.2
 100 14.9 12.1 18.1





#42

Toluene

Concen: 50.276 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

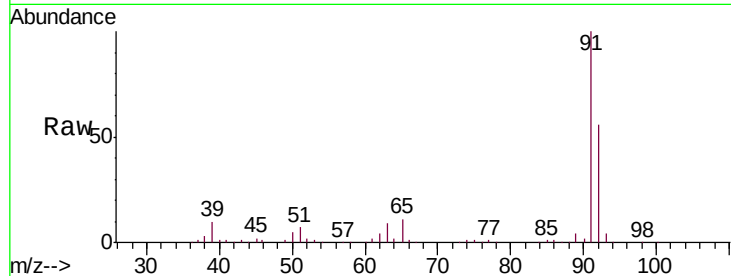
VSTD05060

Tgt Ion: 91 Resp: 306723

Ion Ratio Lower Upper

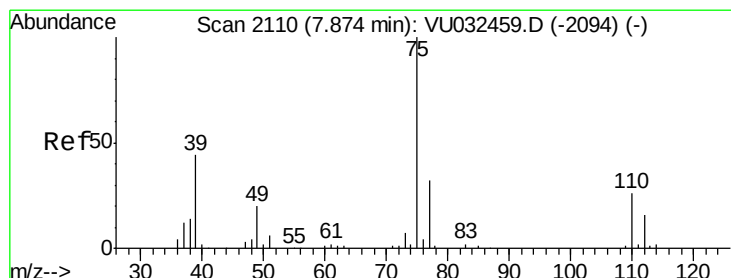
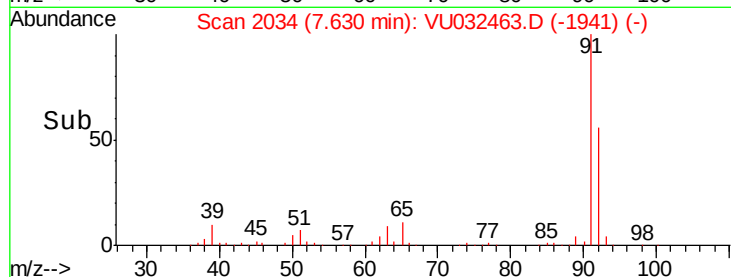
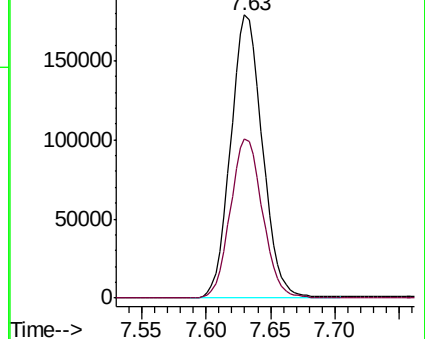
91 100

92 56.3 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032459.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032459.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 51.700 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032463.D

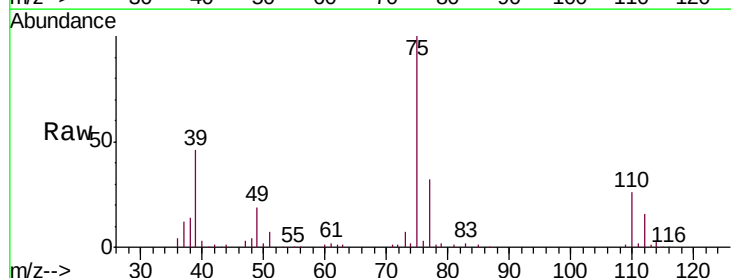
Acq: 05 Jun 2019 15:52

Tgt Ion: 75 Resp: 106916

Ion Ratio Lower Upper

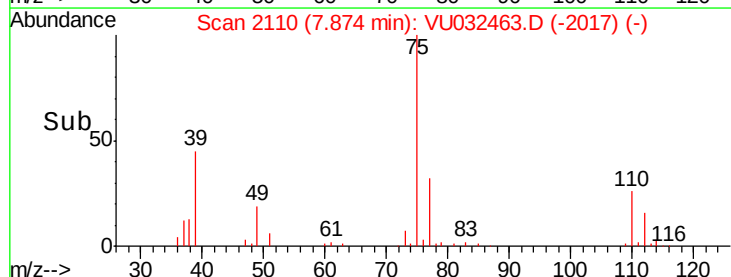
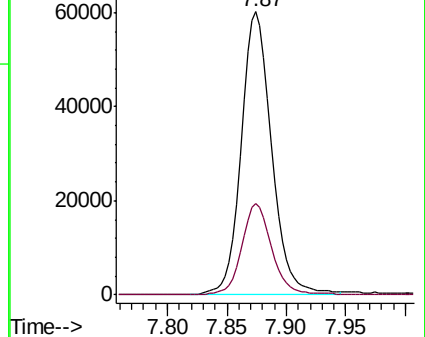
75 100

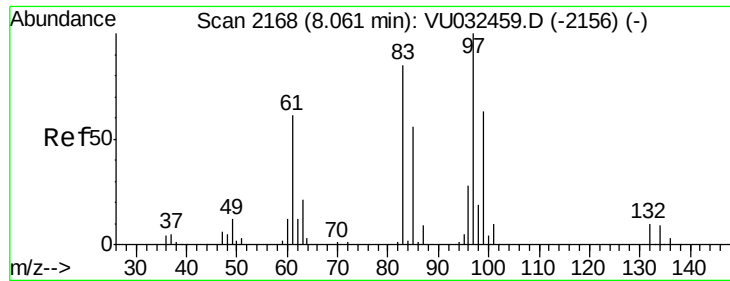
77 32.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032459.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032459.D (-2094) (-)

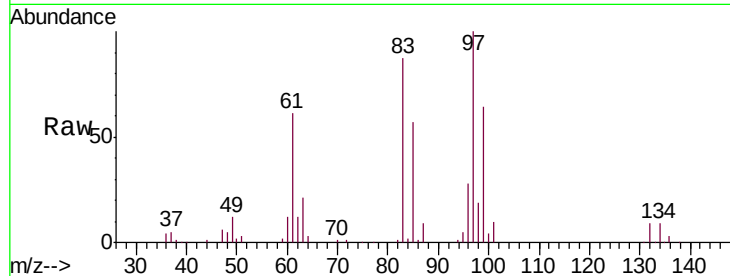




#45
1,1,2-Trichloroethane
Concen: 50.130 ug/L
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

Tgt Ion:	97	Resp:	70003
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.1	81.9
83	87.0	59.4	110.2
85	57.0	39.1	72.7



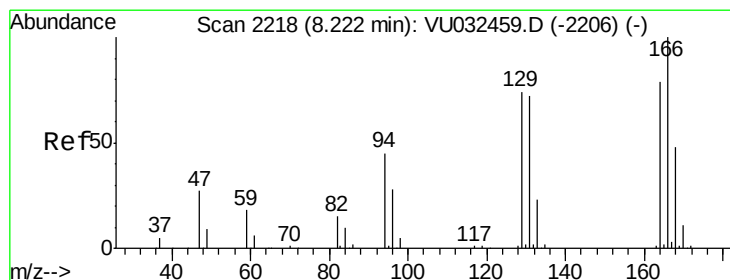
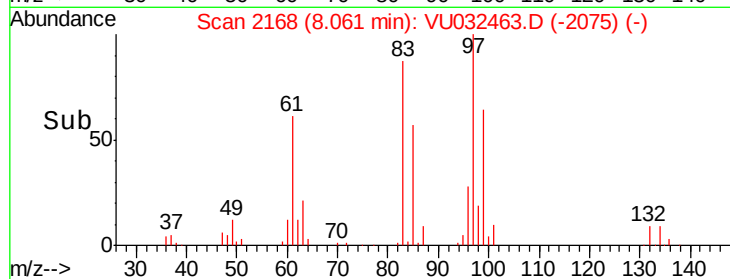
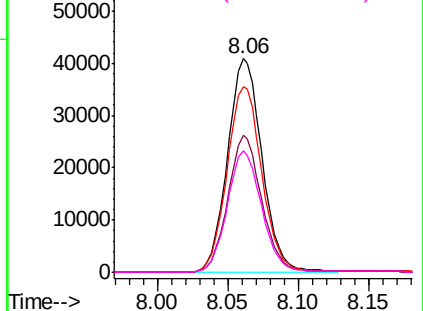
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

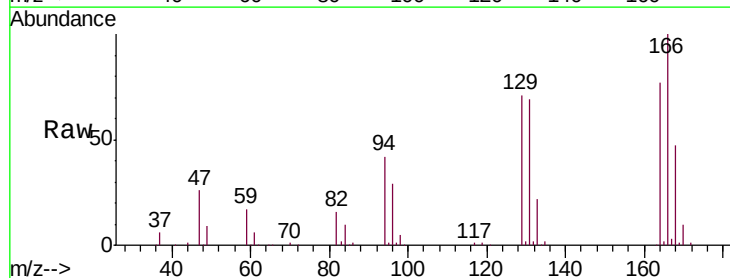
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 50.049 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Tgt Ion:	164	Resp:	62647
Ion	Ratio	Lower	Upper
164	100		
129	92.1	65.3	121.3
131	90.3	64.0	119.0
166	130.5	88.8	165.0



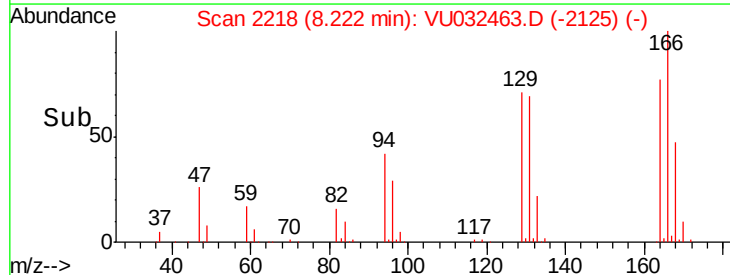
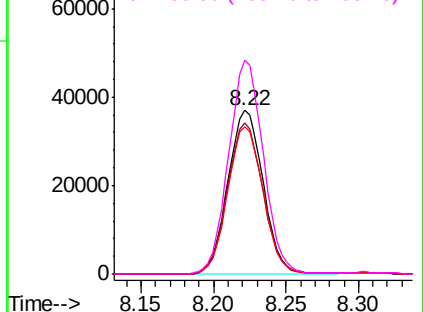
Abundance

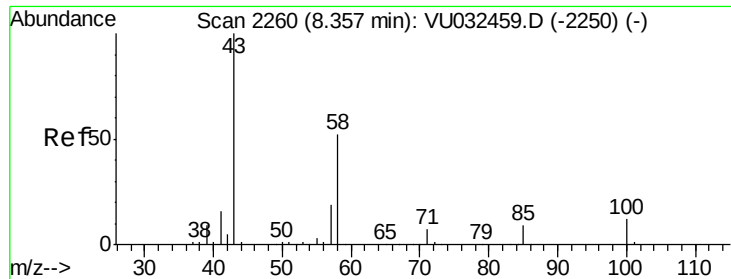
Ion 164.00 (163.70 to 164.70): V

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

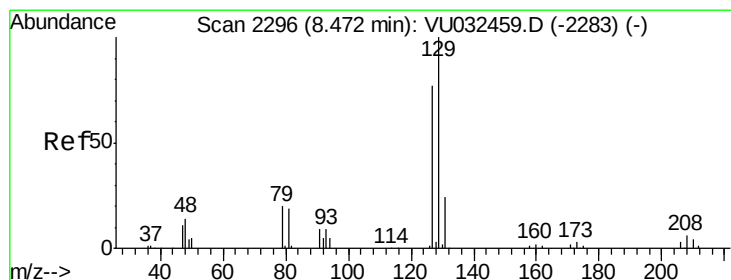
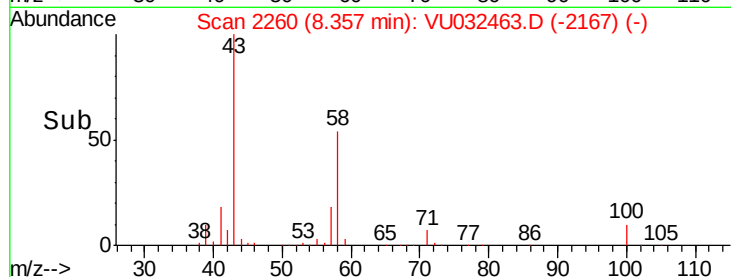
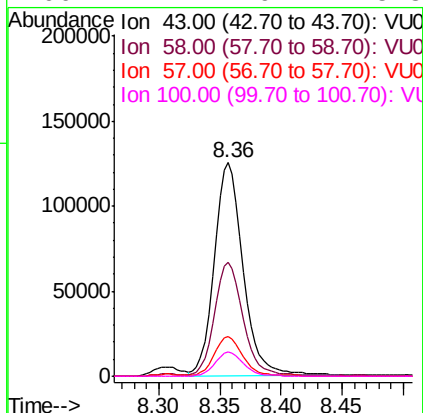
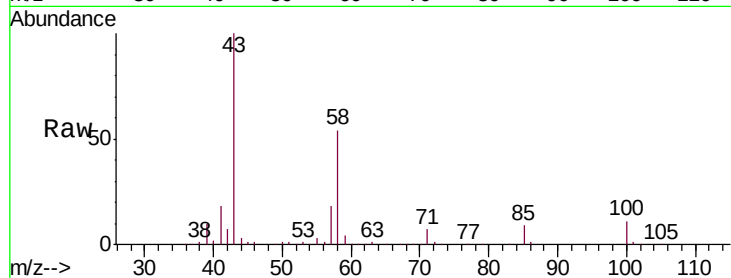




#48
2-Hexanone
Concen: 106.055 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

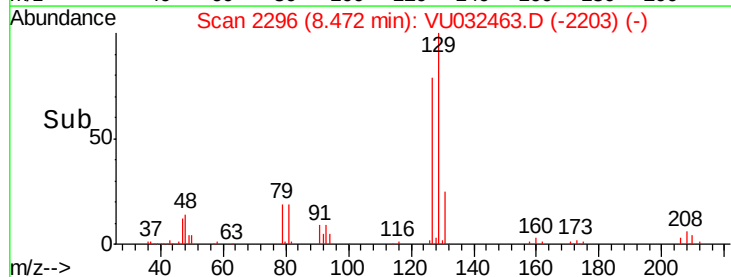
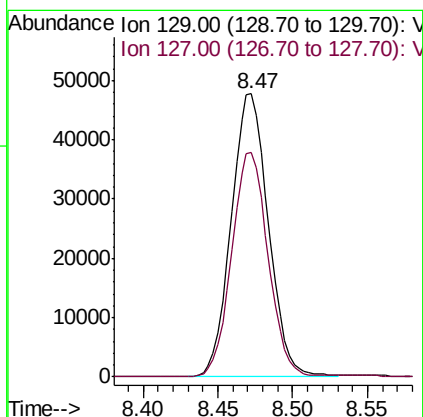
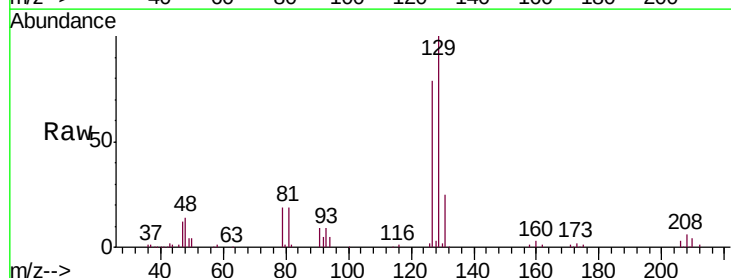
Instrument :
MSVOA_U
ClientSampleId :
VSTD05060

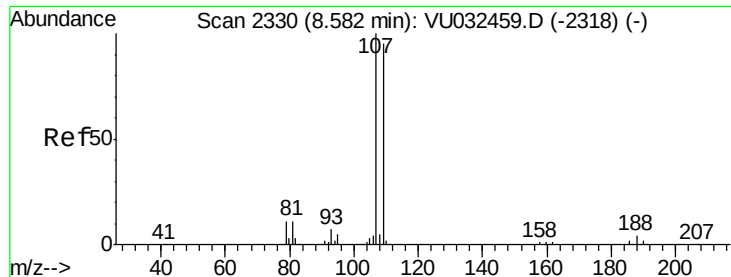
Tgt Ion:	43	Resp:	206940
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.0	63.0
57	18.7	14.6	22.0
100	11.4	9.2	13.8



#49
Dibromochloromethane
Concen: 50.990 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032463.D
Acq: 05 Jun 2019 15:52

Tgt Ion:	129	Resp:	82762
Ion	Ratio	Lower	Upper
129	100		
127	79.2	53.6	99.6





#50

1,2-Dibromoethane

Concen: 50.381 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

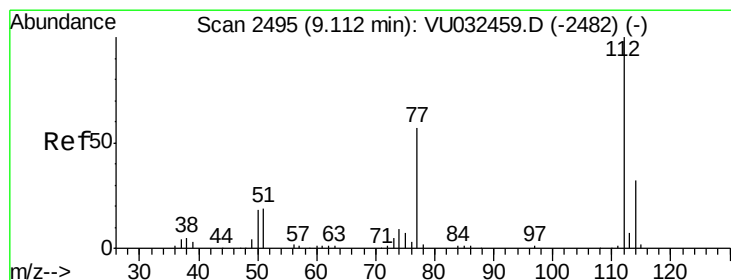
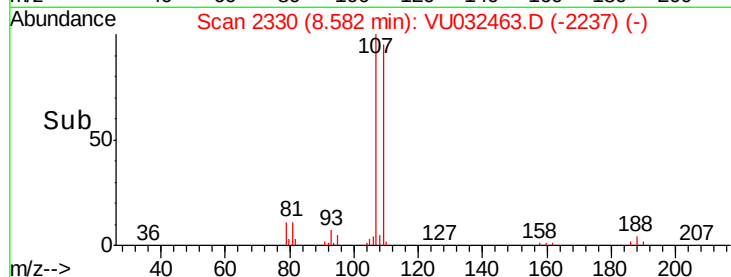
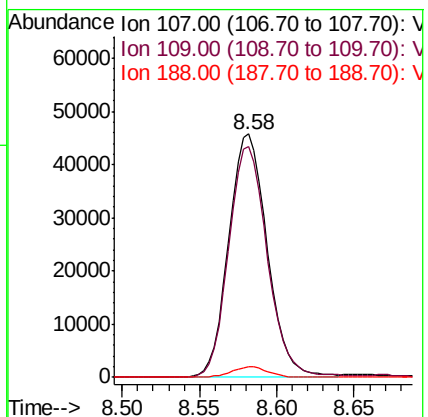
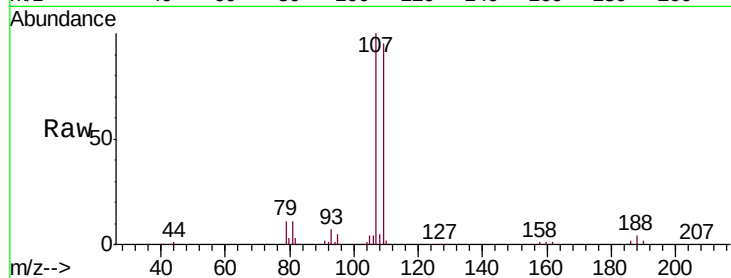
Tgt Ion:107 Resp: 79189

Ion Ratio Lower Upper

107 100

109 95.0 66.8 124.0

188 4.2 3.1 4.7



#51

Chlorobenzene

Concen: 50.892 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

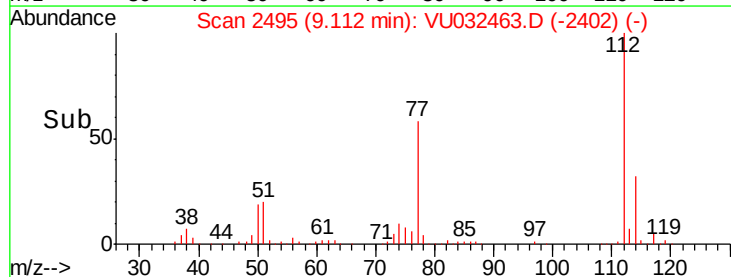
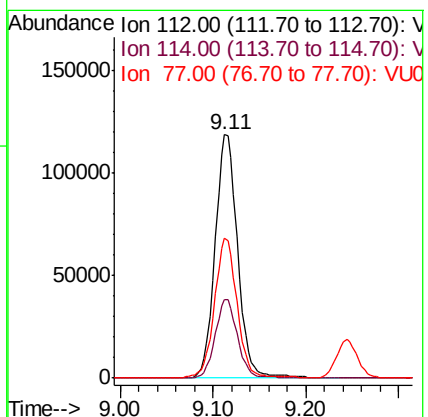
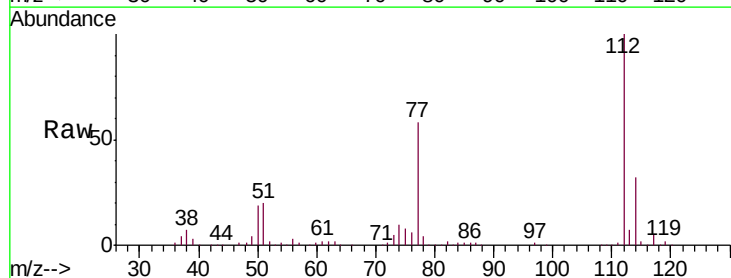
Tgt Ion:112 Resp: 200031

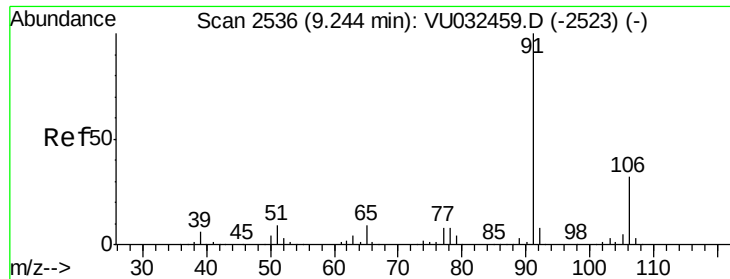
Ion Ratio Lower Upper

112 100

114 32.4 22.6 42.0

77 57.6 46.1 69.1





#52

Ethylbenzene

Concen: 50.569 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

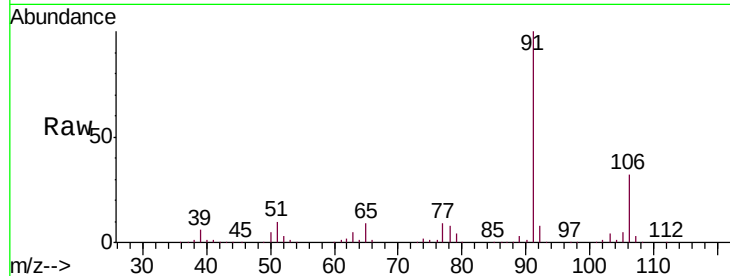
VSTD05060

Tgt Ion: 91 Resp: 343883

Ion Ratio Lower Upper

91 100

106 32.0 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032459.D (-2523) (-)

Ion 106.00 (105.70 to 106.70): VU032463.D (-2443) (-)

9.24

250000

200000

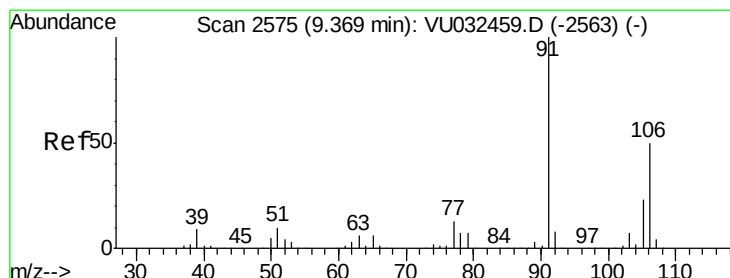
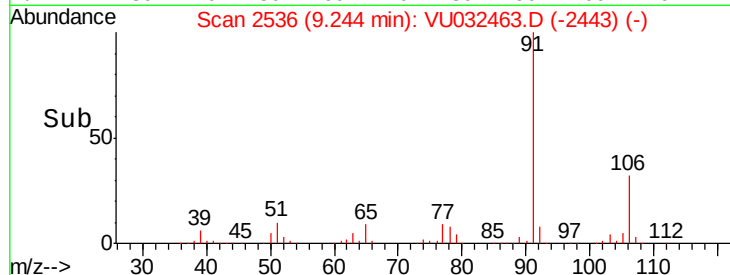
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 51.306 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032463.D

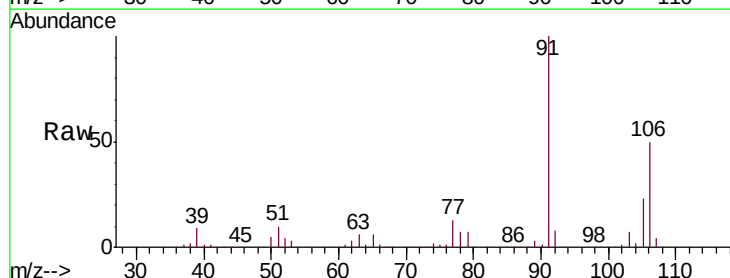
Acq: 05 Jun 2019 15:52

Tgt Ion: 106 Resp: 132667

Ion Ratio Lower Upper

106 100

91 201.0 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032463.D (-2482) (-)

Ion 91.00 (90.70 to 91.70): VU032459.D (-2563) (-)

9.37

200000

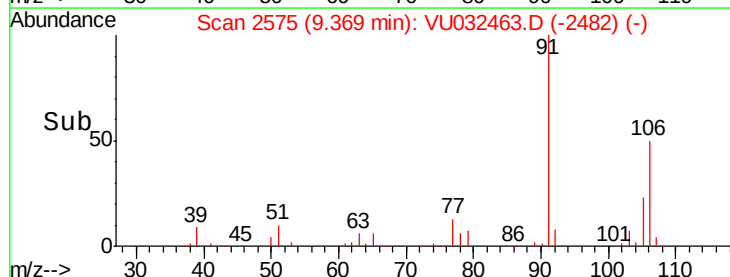
150000

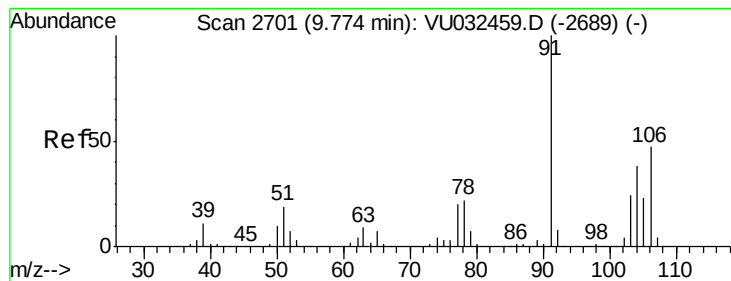
100000

50000

0

Time--> 9.30 9.40 9.50





#54

o-xylene

Concen: 50.981 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

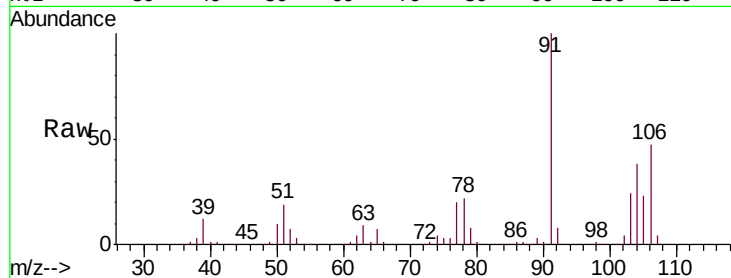
VSTD05060

Tgt Ion:106 Resp: 130889

Ion Ratio Lower Upper

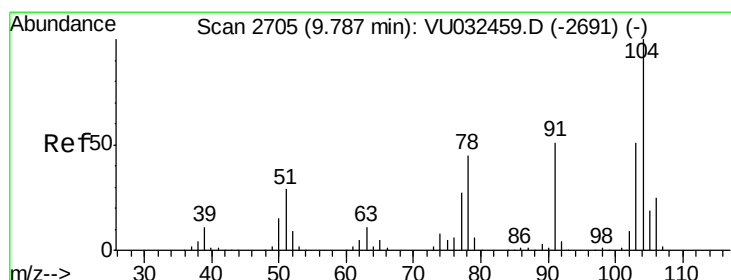
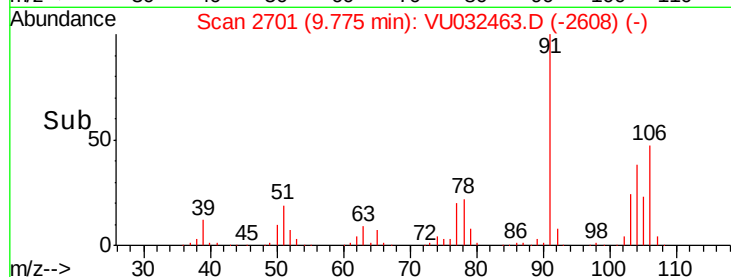
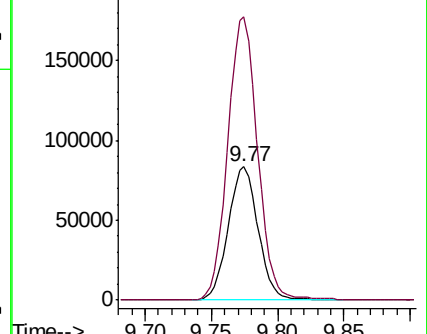
106 100

91 212.7 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.340 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032463.D

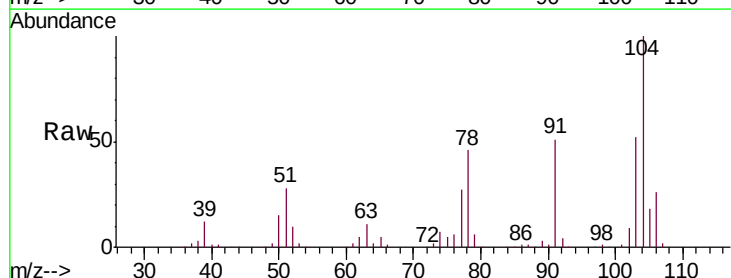
Acq: 05 Jun 2019 15:52

Tgt Ion:104 Resp: 224335

Ion Ratio Lower Upper

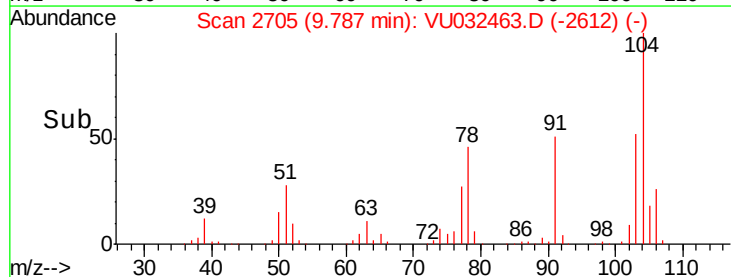
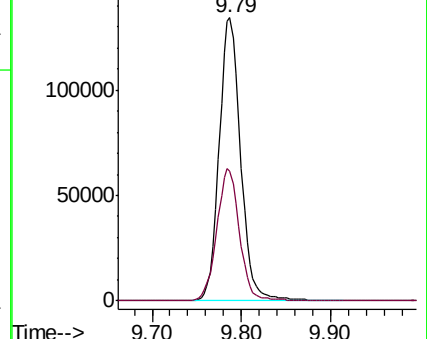
104 100

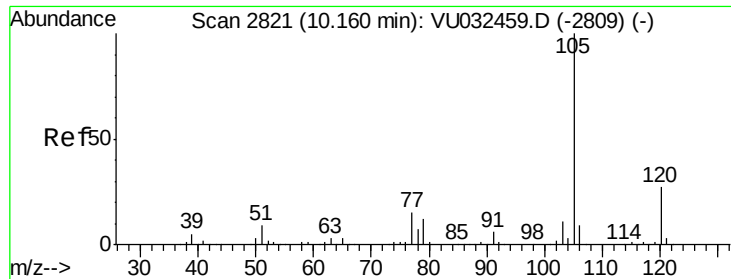
78 45.9 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.792 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

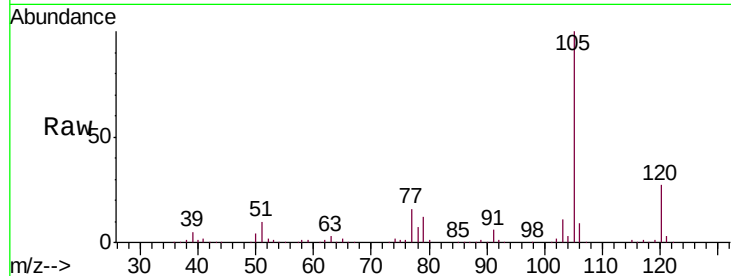
Tgt Ion: 105 Resp: 343860

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

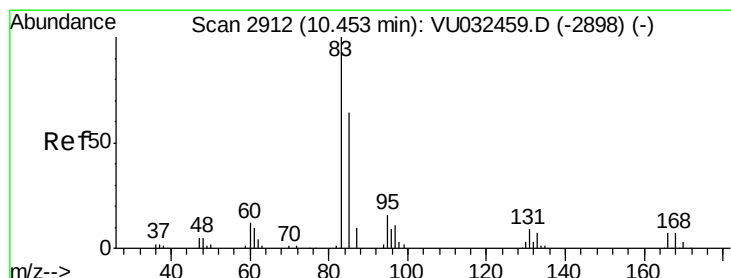
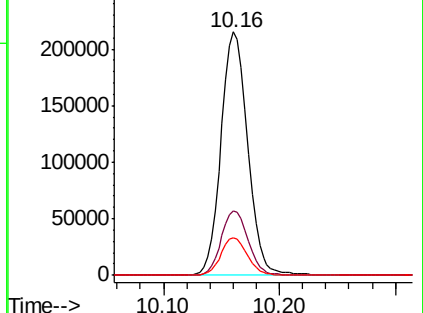
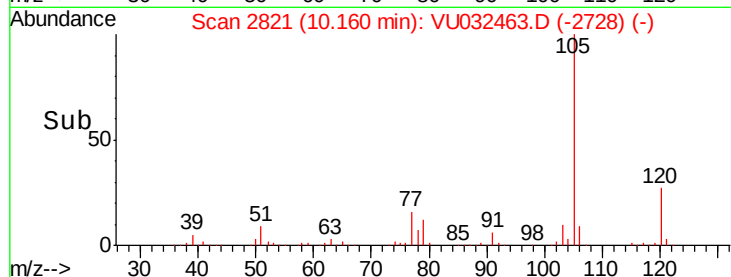
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.956 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

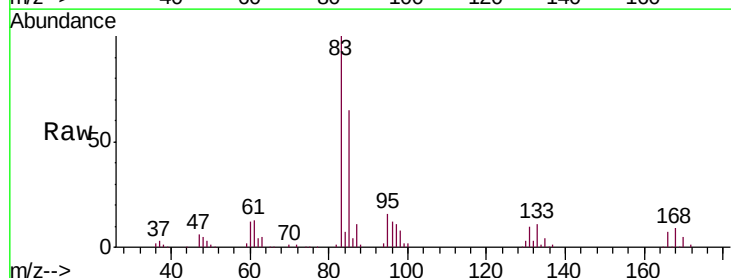
Tgt Ion: 83 Resp: 124001

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.7

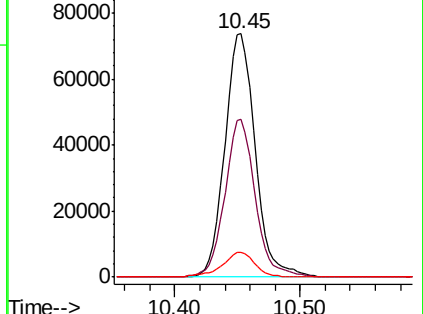
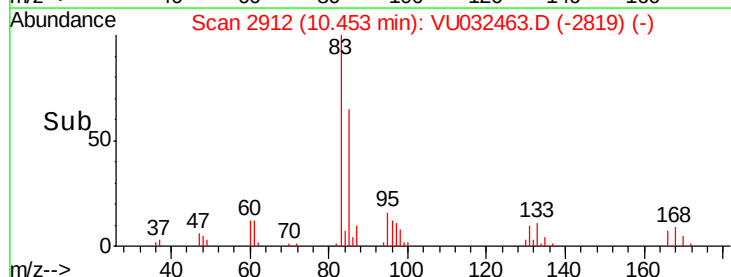
131 10.2 7.9 11.9

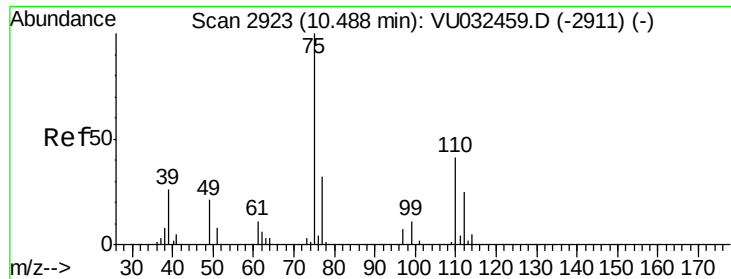


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.770 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

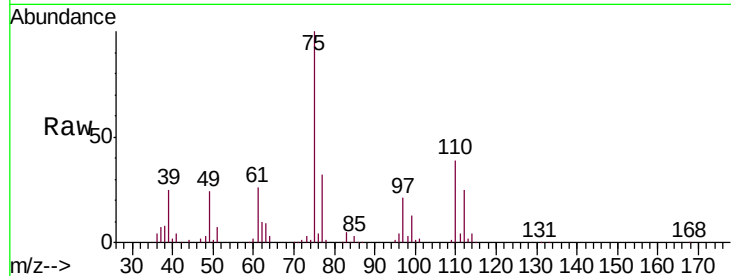
VSTD05060

Tgt Ion: 75 Resp: 97462

Ion Ratio Lower Upper

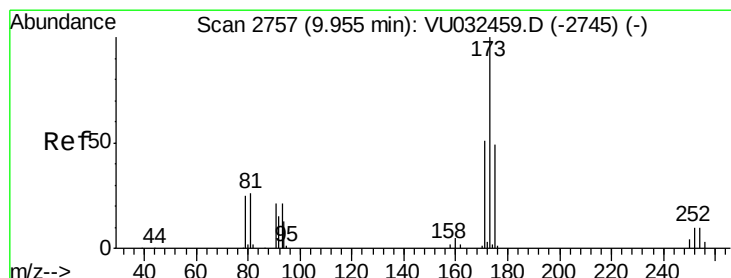
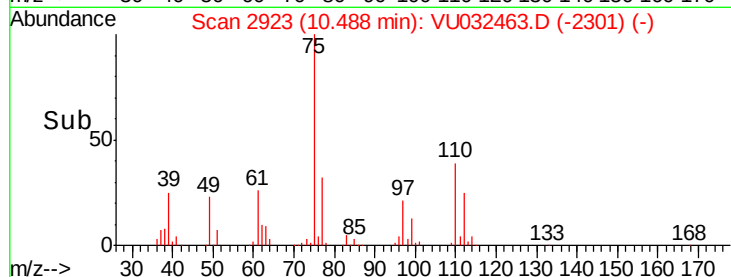
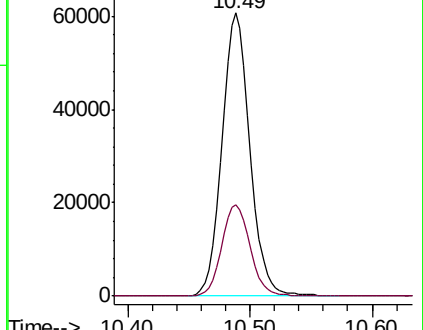
75 100

77 33.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU032459.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU032459.D (-2911) (-)



#61

Bromoform

Concen: 51.429 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

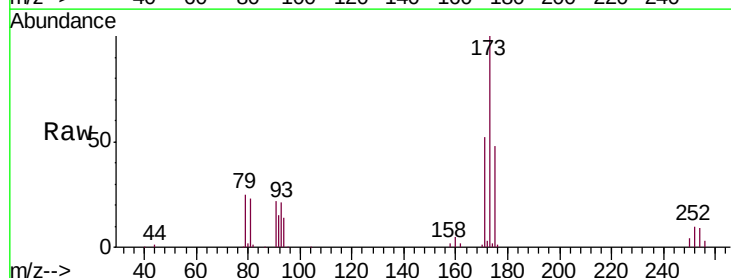
Tgt Ion: 173 Resp: 64800

Ion Ratio Lower Upper

173 100

175 48.4 39.7 59.5

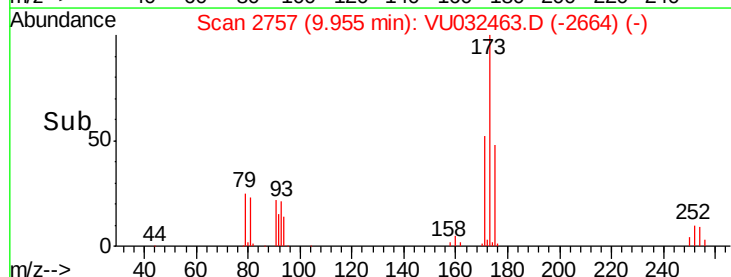
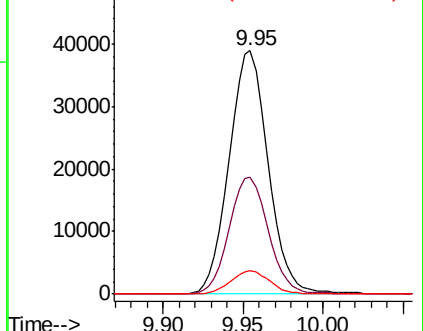
254 9.5 7.8 11.8

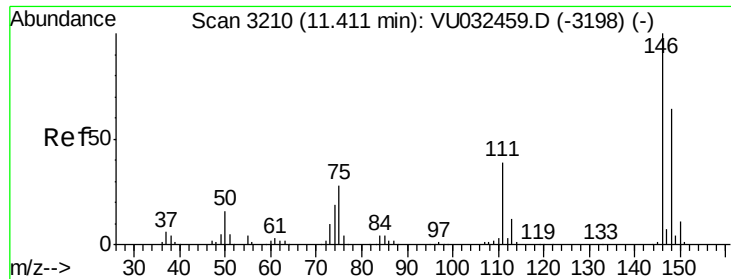


Abundance Ion 173.00 (172.70 to 173.70): VU032459.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU032459.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU032459.D (-2745) (-)

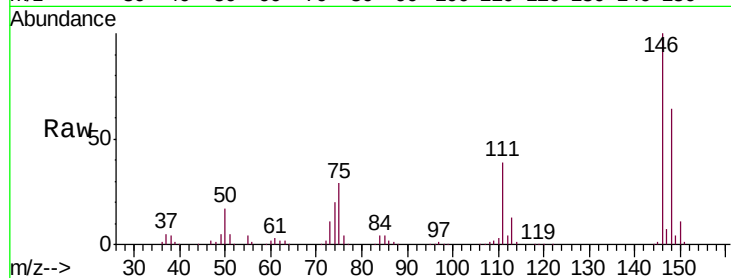




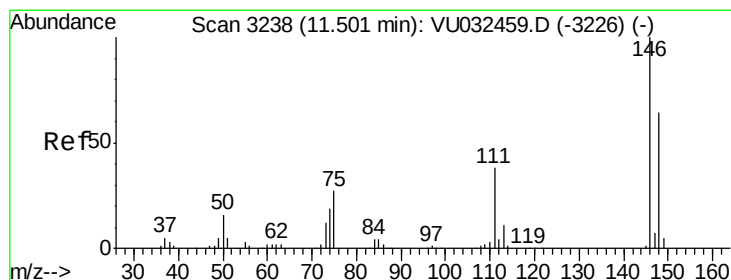
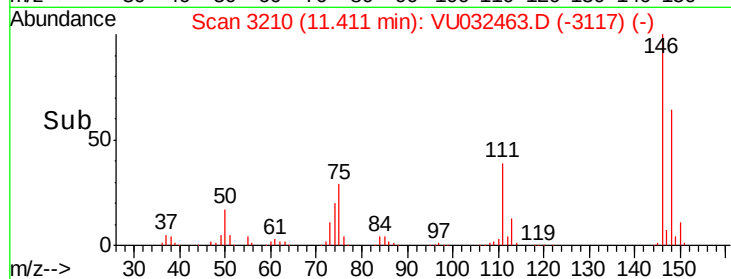
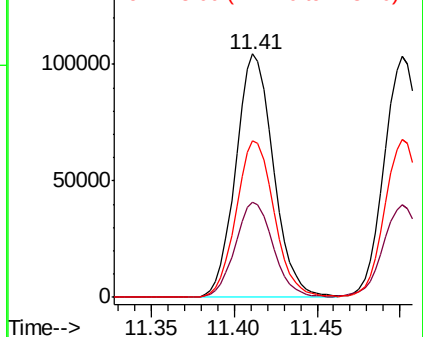
#62
 1,3-Dichlorobenzene
 Concen: 51.704 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

Tgt Ion:146 Resp: 165314
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.3 50.7
 148 64.2 44.4 82.5

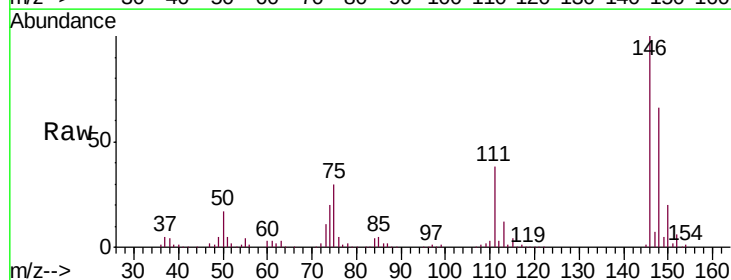


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

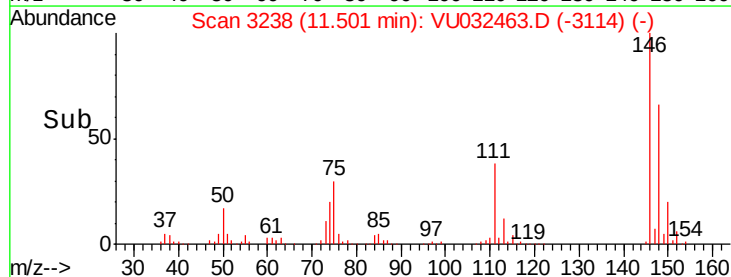
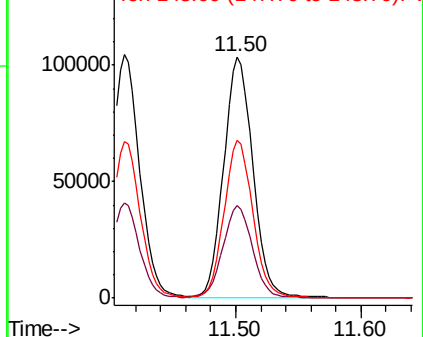


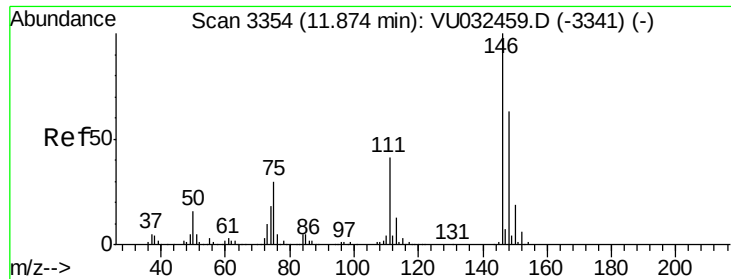
#63
 1,4-Dichlorobenzene
 Concen: 51.271 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Tgt Ion:146 Resp: 167591
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.6 49.4
 148 65.5 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: 51.357 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

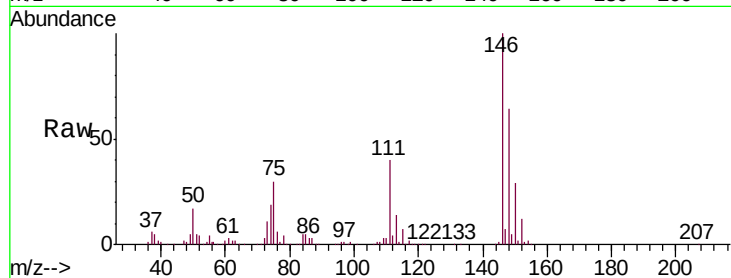
Tgt Ion:146 Resp: 166013

Ion Ratio Lower Upper

146 100

111 40.4 32.6 48.8

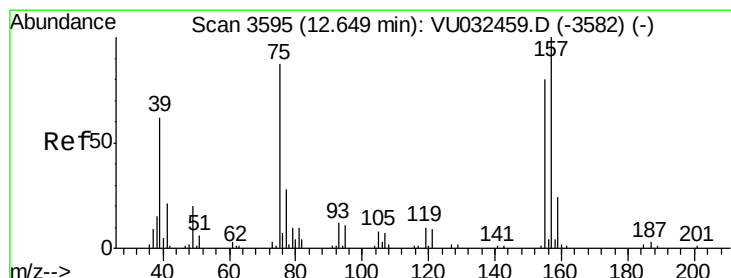
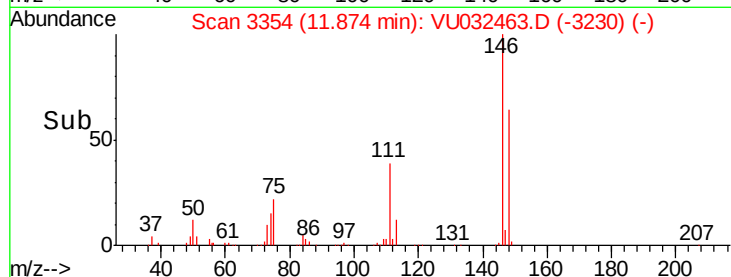
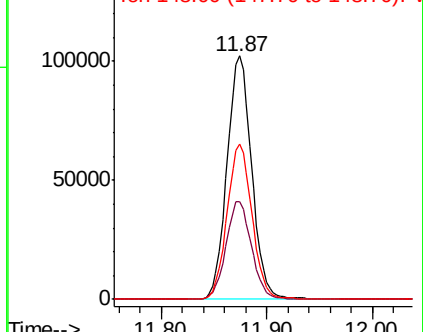
148 63.7 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 55.463 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

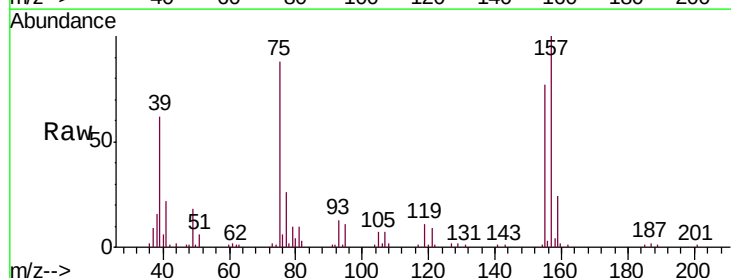
Tgt Ion: 75 Resp: 30164

Ion Ratio Lower Upper

75 100

155 87.5 73.1 109.7

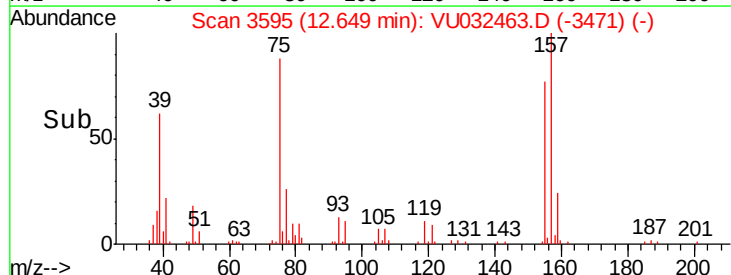
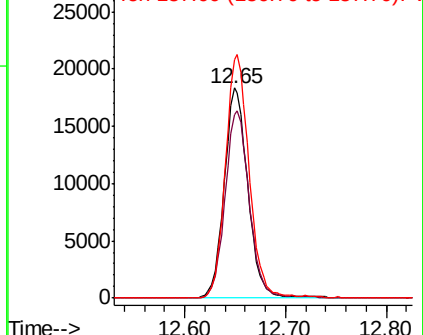
157 113.5 91.4 137.2

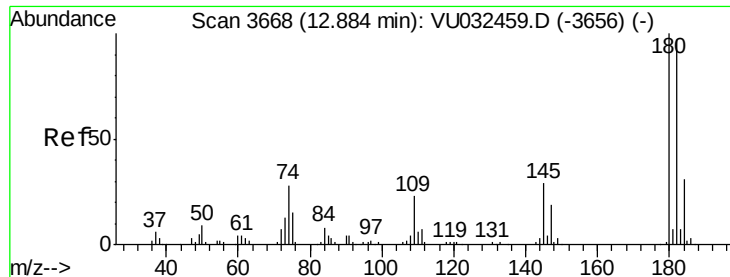


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

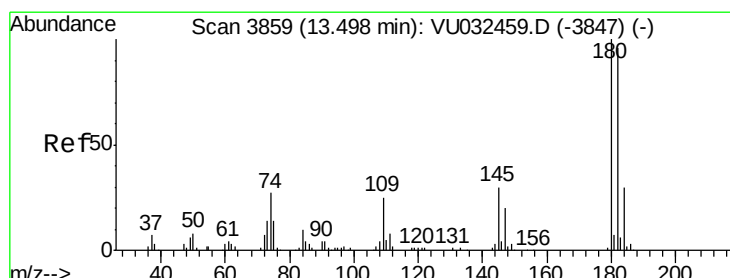
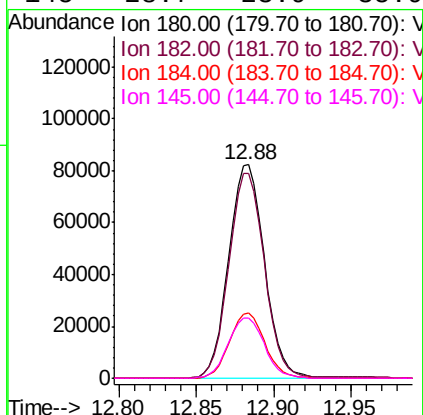
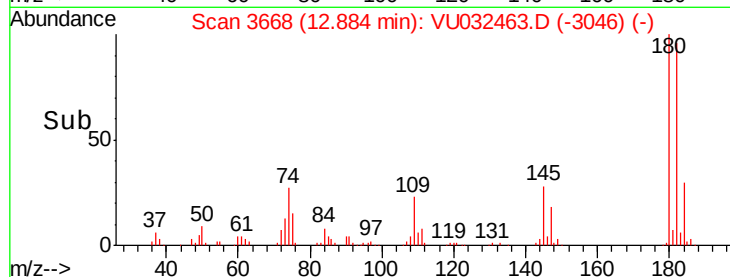
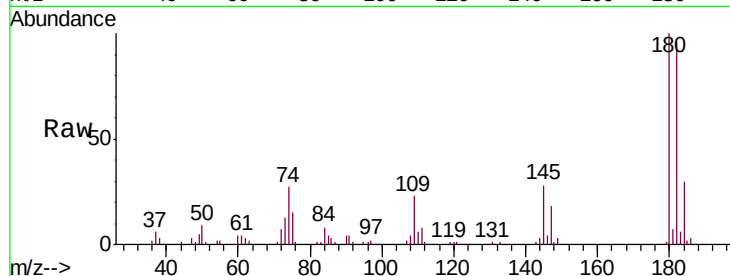




#67
 1,3,5-Trichlorobenzene
 Concen: 53.163 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

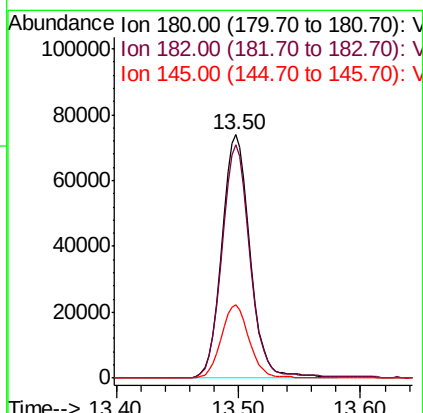
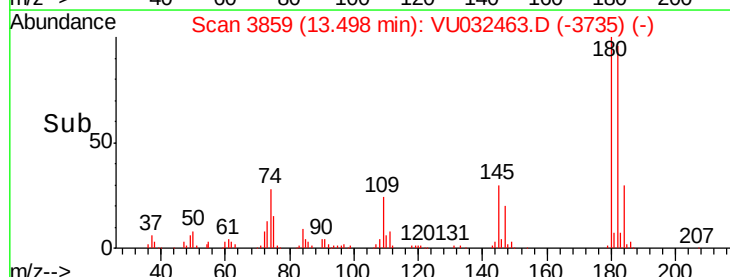
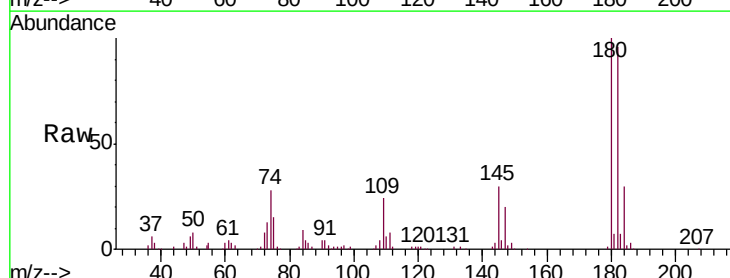
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05060

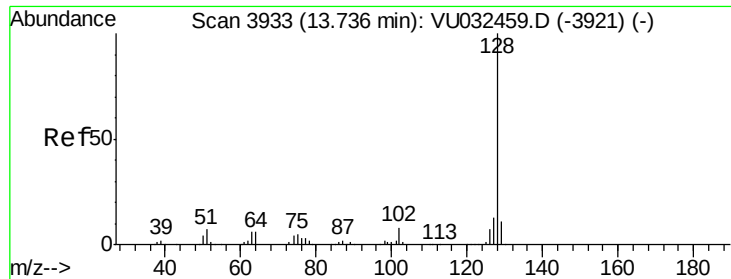
Tgt Ion:	180	Resp:	132245
Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.2	117.4
184	30.2	24.2	36.2
145	28.7	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 57.295 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032463.D
 Acq: 05 Jun 2019 15:52

Tgt Ion:	180	Resp:	120744
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.5	114.7
145	30.0	23.8	35.6





#69

Naphthalene

Concen: 59.145 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD05060

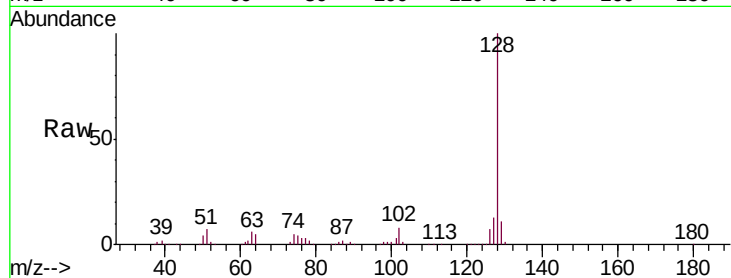
Tgt Ion:128 Resp: 393153

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

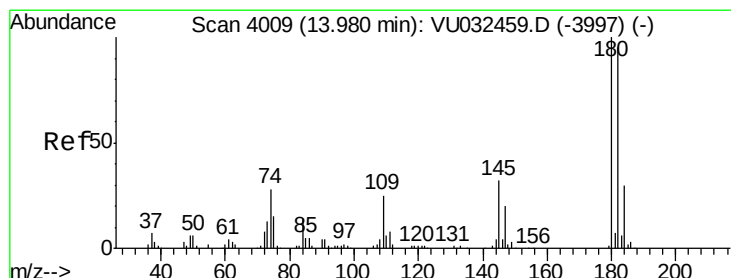
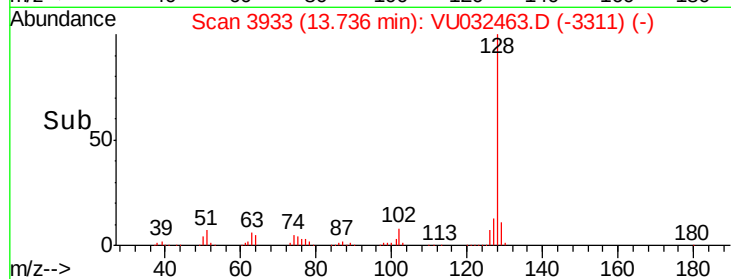
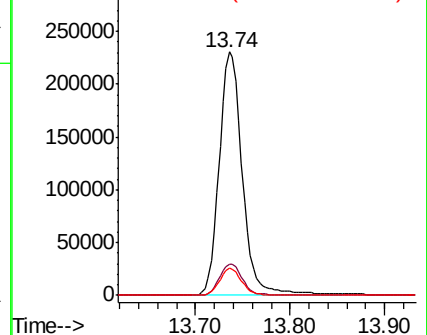
129 10.9 8.5 12.7



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: 56.385 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032463.D

Acq: 05 Jun 2019 15:52

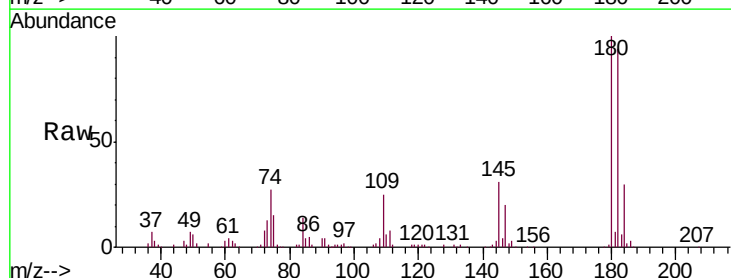
Tgt Ion:180 Resp: 123666

Ion Ratio Lower Upper

180 100

182 95.6 76.7 115.1

145 31.1 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

