

Data File : VU032462.D
Acq On : 05 Jun 2019 15:29
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV59

Quant Time: Jun 06 04:02:23 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	206758	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	195907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	105552	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68730	51.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.48%
7) Chloroethane-d5	1.67	69	55932	51.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.78%
11) 1,1-Dichloroethene-d2	2.27	63	132723	50.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.06%
21) 2-Butanone-d5	4.17	46	123711	110.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	4.64	84	130608	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.42%
26) 1,2-Dichloroethane-d4	5.30	65	80296	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
32) Benzene-d6	5.33	84	261325	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.76%
36) 1,2-Dichloropropane-d6	6.32	67	81193	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.82%
41) Toluene-d8	7.56	98	248018	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%
43) trans-1,3-Dichloropropene-	7.85	79	40978	53.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.38%
47) 2-Hexanone-d5	8.31	63	86187	111.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121303	52.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.98%
64) 1,2-Dichlorobenzene-d4	11.85	152	105806	52.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.66%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	94620	50.763 ug/L	99
3) Chloromethane	1.32	50	92799	51.523 ug/L	99
5) Vinyl chloride	1.40	62	91397	50.799 ug/L	99
6) Bromomethane	1.62	94	56096	52.319 ug/L	99
8) Chloroethane	1.69	64	53205	49.750 ug/L	100
9) Trichlorofluoromethane	1.88	101	121346	49.947 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	64948	51.402 ug/L	98
12) 1,1-Dichloroethene	2.28	96	63558	51.806 ug/L	92
13) Acetone	2.31	43	118262	102.100 ug/L	100
14) Carbon disulfide	2.47	76	194858	52.273 ug/L	99
15) Methyl Acetate	2.61	43	85187	51.511 ug/L	97
16) Methylene chloride	2.69	84	71283	50.920 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	67323	50.639 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	219804	50.325 ug/L	100
19) 1,1-Dichloroethane	3.44	63	123753	51.061 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	76699	50.977 ug/L	98
22) 2-Butanone	4.25	43	147570	107.796 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	39822	50.903	ug/L	97
25) Chloroform	4.67	83	125501	50.180	ug/L	97
27) 1,2-Dichloroethane	5.40	62	99840	50.497	ug/L	99
29) Cyclohexane	4.99	56	116457	49.977	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	110594	49.868	ug/L	98
31) Carbon tetrachloride	5.13	117	102310	50.334	ug/L	100
33) Benzene	5.38	78	277999	50.505	ug/L	100
34) Trichloroethene	6.18	95	74996	50.080	ug/L	97
35) Methylcyclohexane	6.41	83	120509	49.708	ug/L	100
37) 1,2-Dichloropropane	6.43	63	72596	49.753	ug/L	99
38) Bromodichloromethane	6.75	83	95171	50.655	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	120319	52.263	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	247777	105.554	ug/L	100
42) Toluene	7.63	91	304019	50.433	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	108500	53.098	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	68975	49.988	ug/L	98
46) Tetrachloroethene	8.22	164	62234	50.317	ug/L	99
48) 2-Hexanone	8.36	43	210656	109.259	ug/L	99
49) Dibromochloromethane	8.47	129	83226	51.893	ug/L	99
50) 1,2-Dibromoethane	8.58	107	79069	50.910	ug/L	99
51) Chlorobenzene	9.11	112	199528	51.375	ug/L	98
52) Ethylbenzene	9.24	91	344493	51.269	ug/L	100
53) m,p-Xylene	9.37	106	130847	51.211	ug/L	100
54) o-xylene	9.77	106	130728	51.531	ug/L	99
55) Styrene	9.79	104	220178	51.988	ug/L	98
56) Isopropylbenzene	10.16	105	342438	51.191	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	122109	51.779	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	97195	51.241	ug/L	100
61) Bromoform	9.95	173	64868	51.546	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	167231	52.368	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	165158	50.588	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	165978	51.409	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	30083	55.381	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	132534	53.344	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	124007	58.916	ug/L	99
69) Naphthalene	13.74	128	411945	62.048	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	125637	57.354	ug/L	99

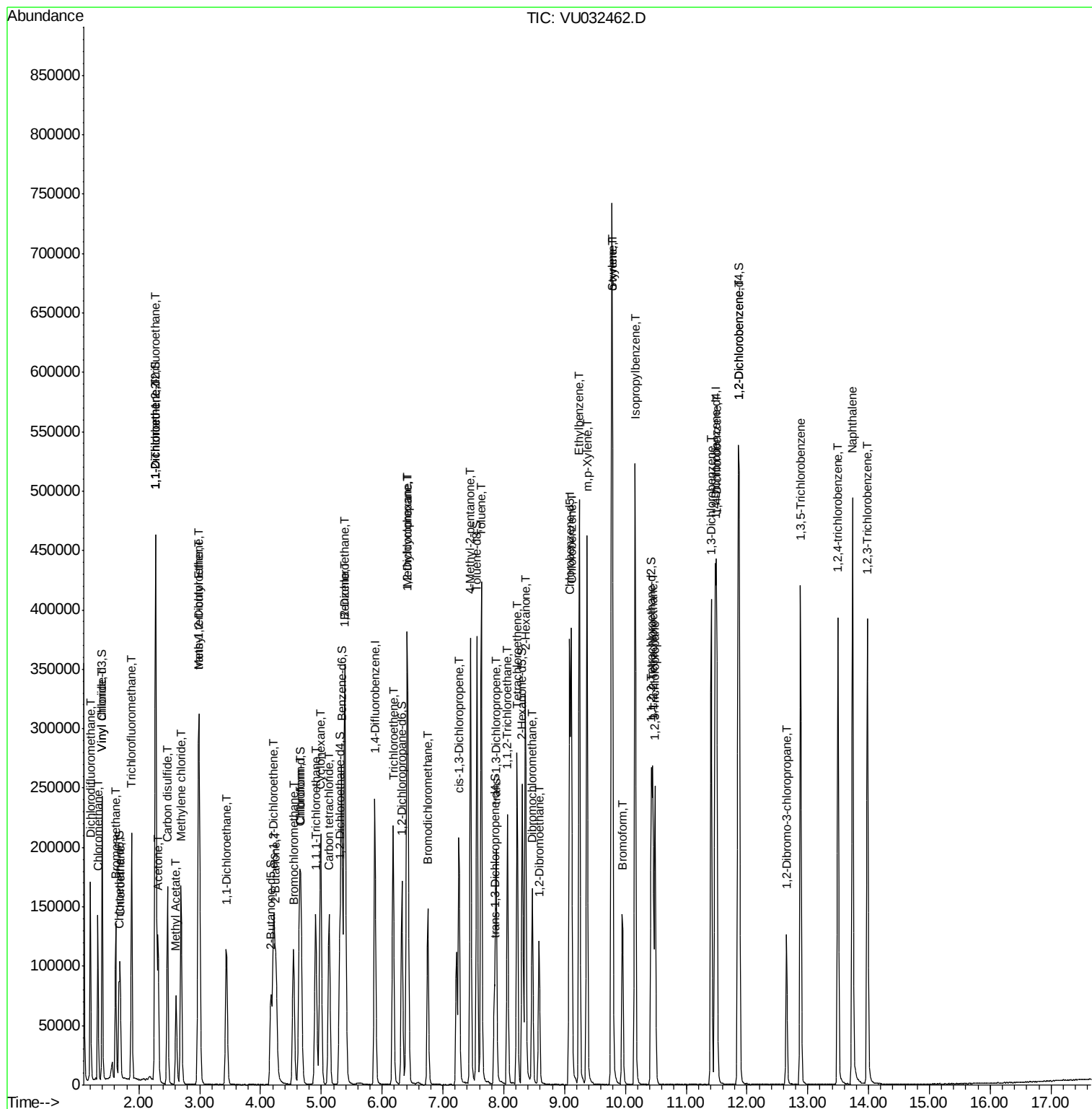
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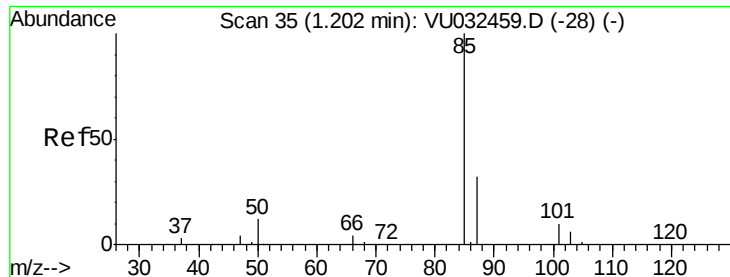
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#2

Dichlorodifluoromethane

Concen: 50.763 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

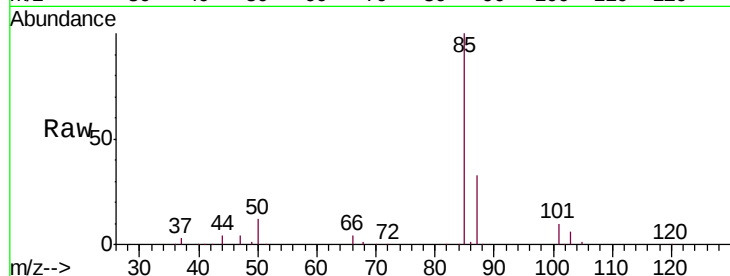
VICV59

Tgt Ion: 85 Resp: 94620

Ion Ratio Lower Upper

85 100

87 32.9 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

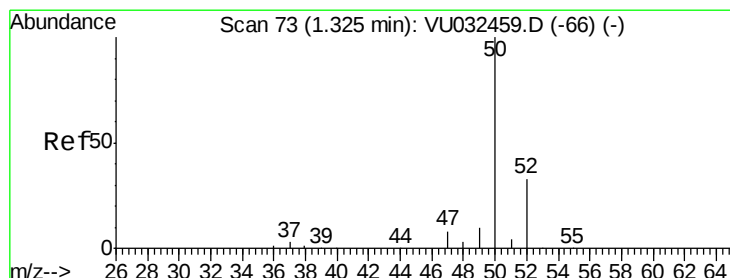
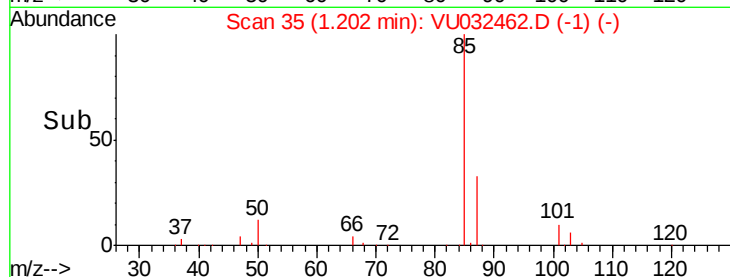
40000

20000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 51.523 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032462.D

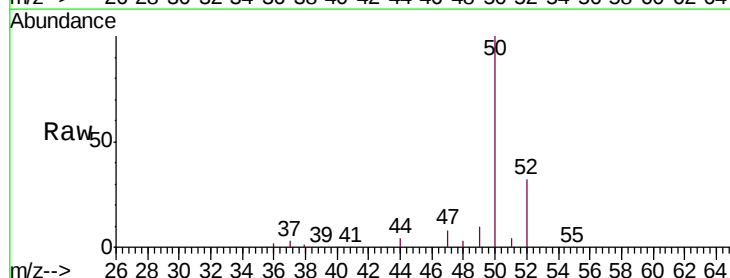
Acq: 05 Jun 2019 15:29

Tgt Ion: 50 Resp: 92799

Ion Ratio Lower Upper

50 100

52 32.5 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

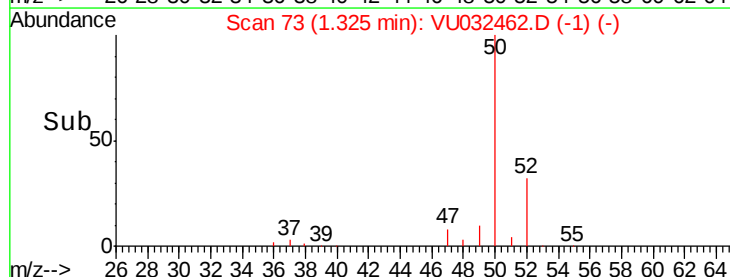
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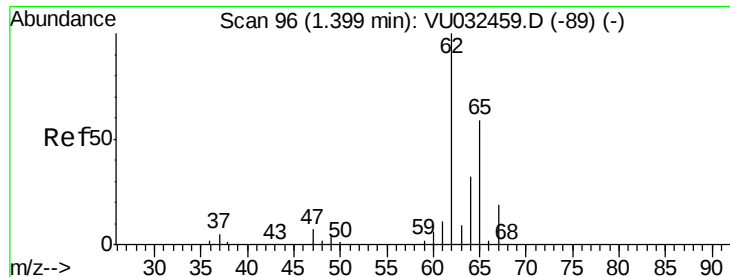
20000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 50.799 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

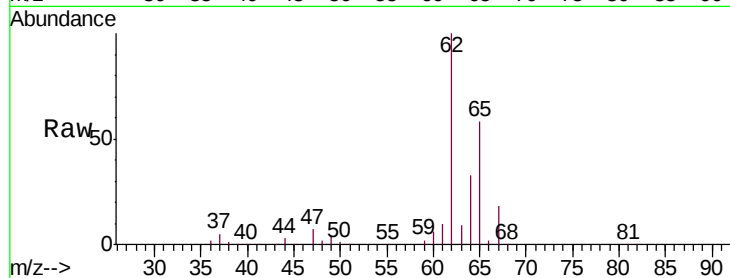
VICV59

Tgt Ion: 62 Resp: 91397

Ion Ratio Lower Upper

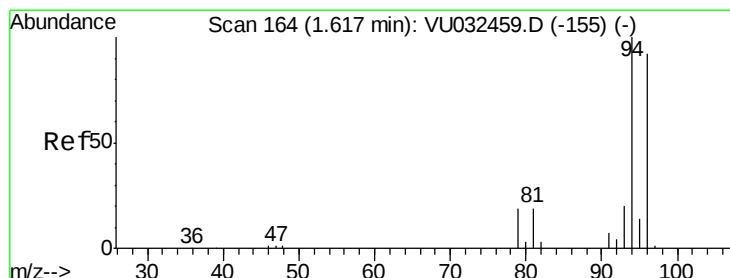
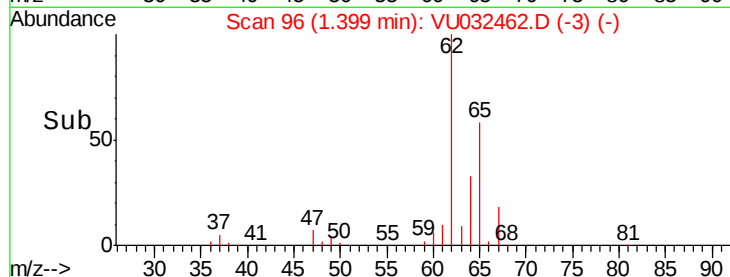
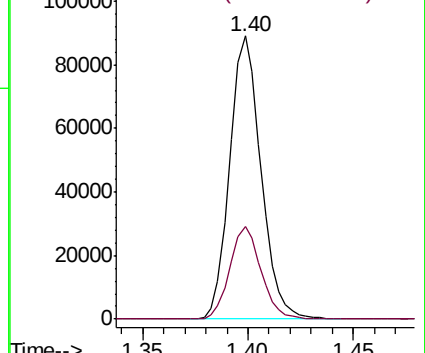
62 100

64 32.8 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 52.319 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032462.D

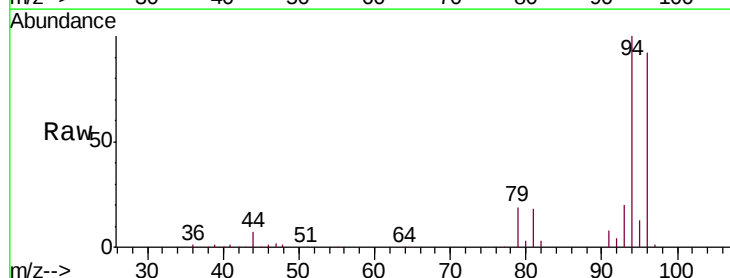
Acq: 05 Jun 2019 15:29

Tgt Ion: 94 Resp: 56096

Ion Ratio Lower Upper

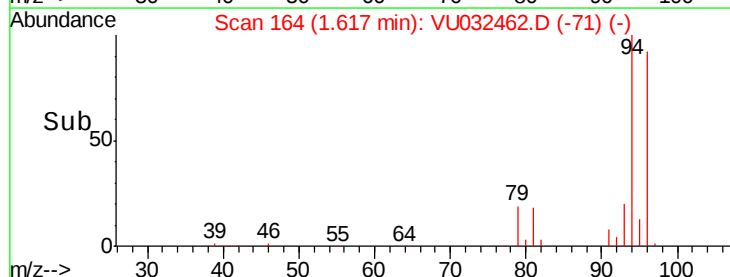
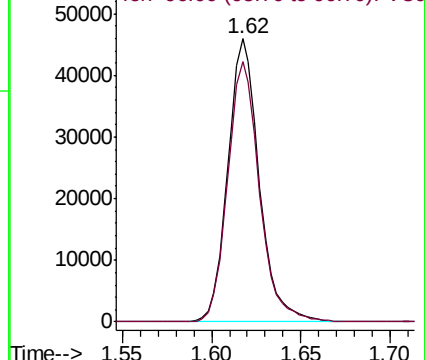
94 100

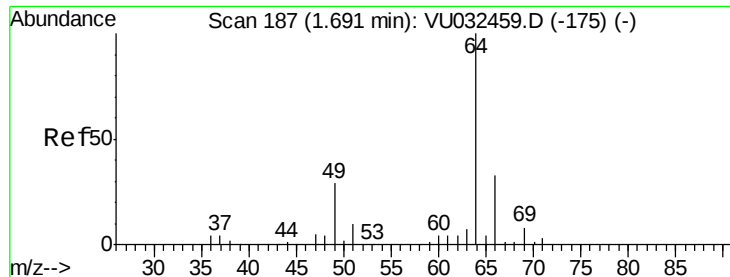
96 91.8 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

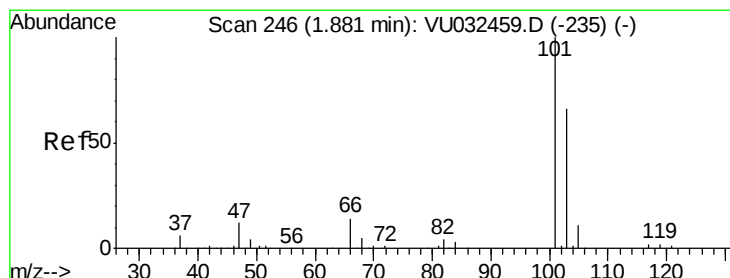
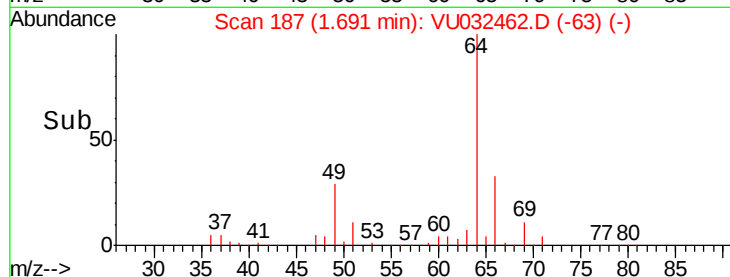
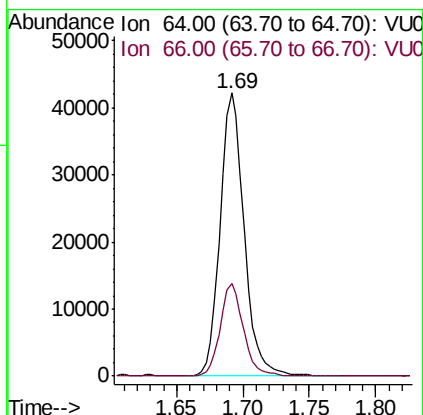
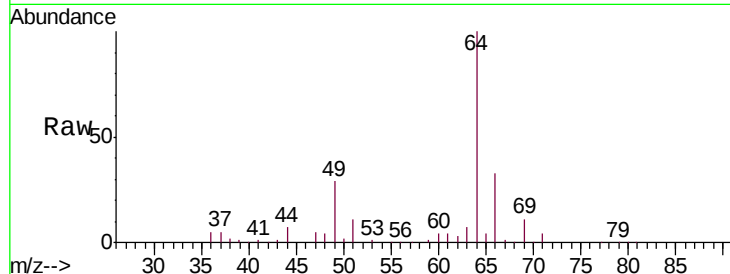




#8
Chloroethane
Concen: 49.750 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

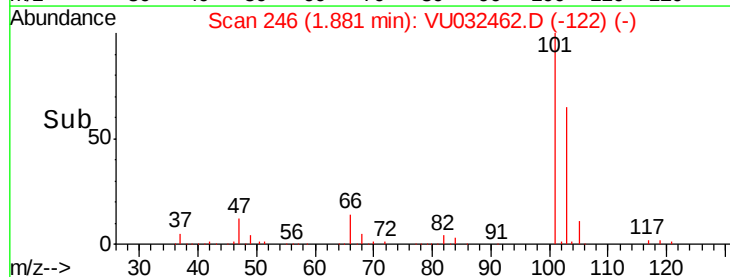
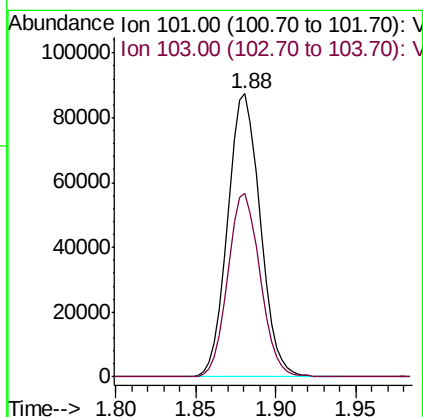
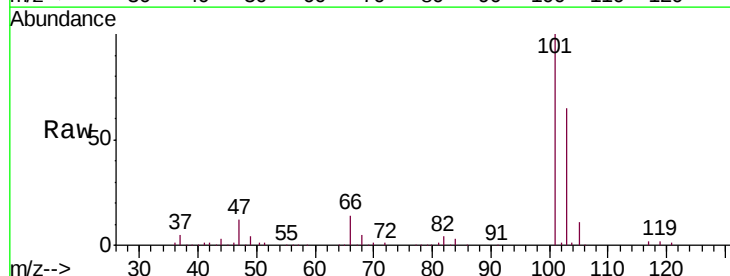
Instrument :
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ClientSampleId :
VICV59

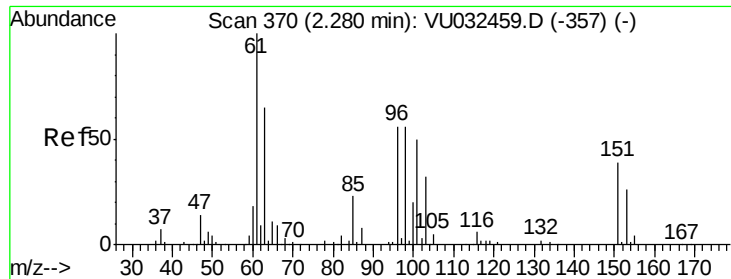
Tgt Ion: 64 Resp: 53205
Ion Ratio Lower Upper
64 100
66 32.9 22.9 42.5



#9
Trichlorofluoromethane
Concen: 49.947 ug/L
RT: 1.88 min Scan# 246
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Tgt Ion: 101 Resp: 121346
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7





#10

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

Concen: 51.402 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

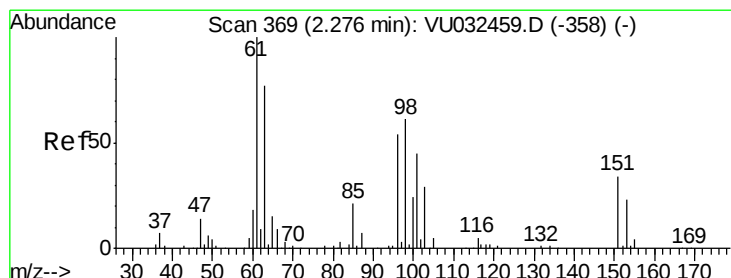
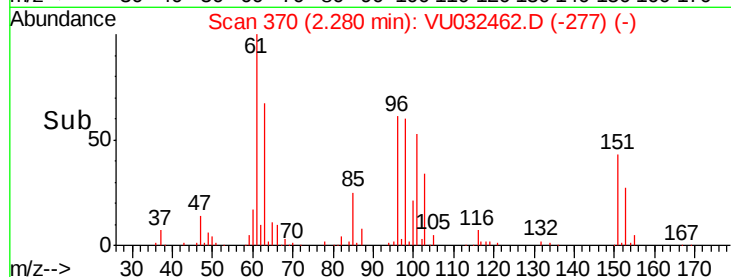
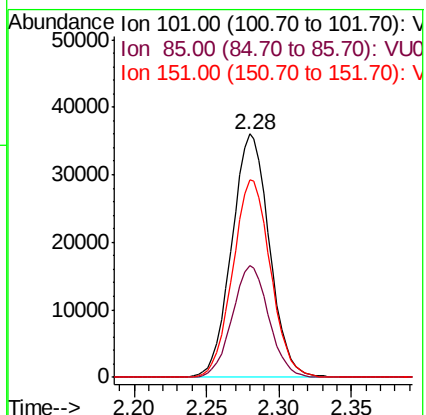
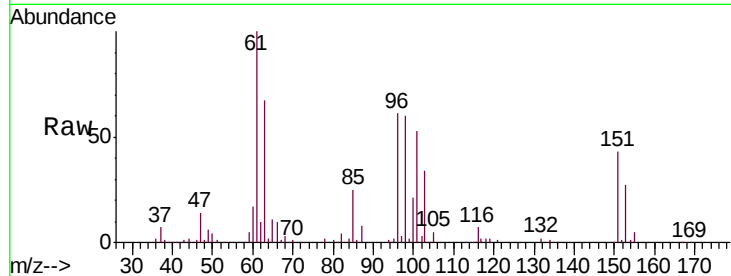
Tgt Ion:101 Resp: 64948

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

151 81.5 63.0 94.4



#12

1,1-Dichloroethene

Concen: 51.806 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

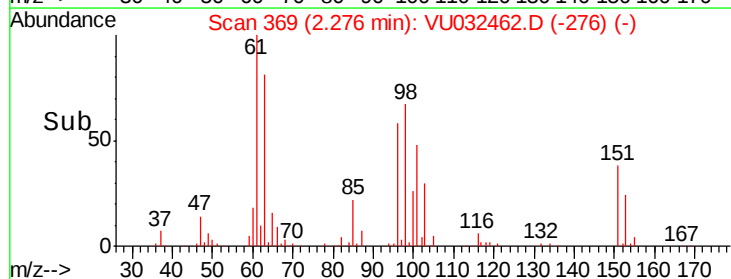
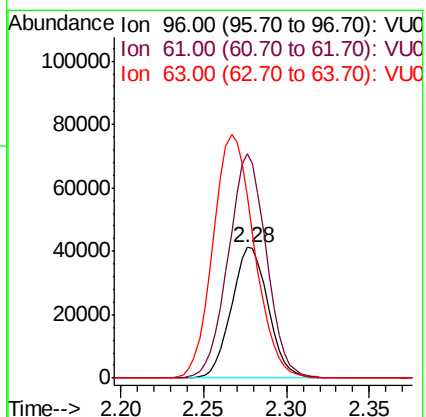
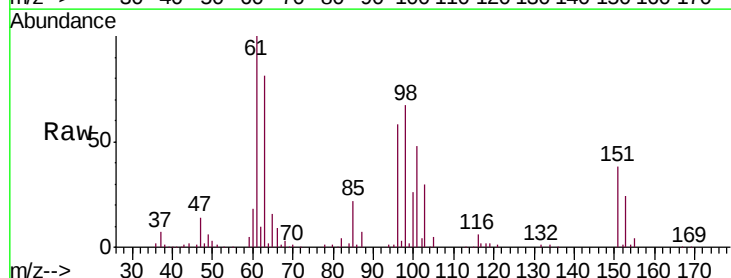
Tgt Ion: 96 Resp: 63558

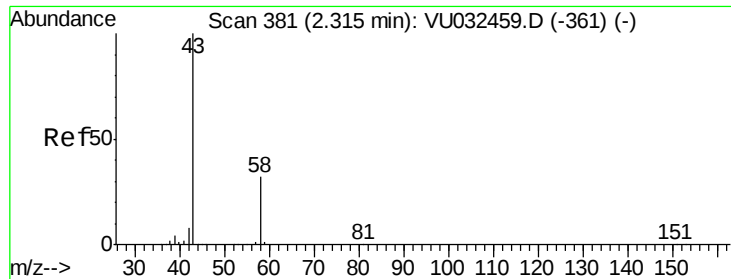
Ion Ratio Lower Upper

96 100

61 171.9 129.5 240.5

63 139.1 103.4 192.0





#13

Acetone

Concen: 102.100 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

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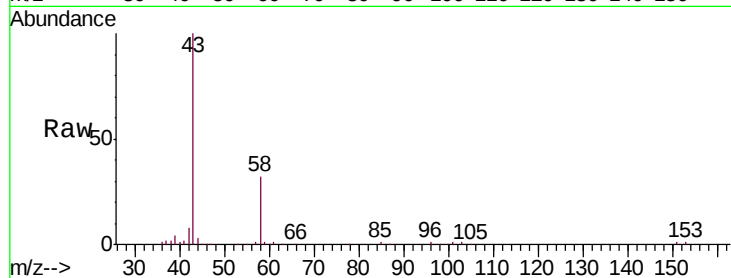
VICV59

Tgt Ion: 43 Resp: 118262

Ion Ratio Lower Upper

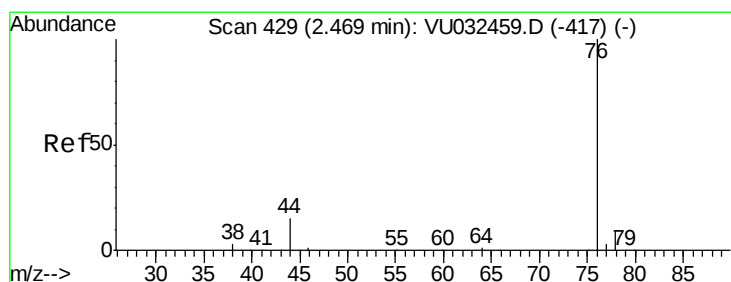
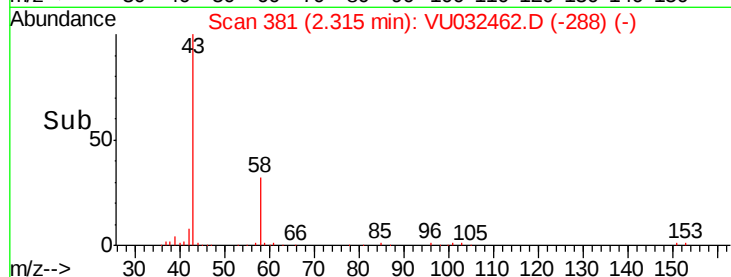
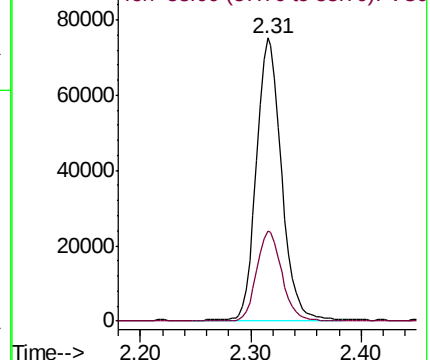
43 100

58 32.2 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032459.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU032459.D (-361) (-)



#14

Carbon disulfide

Concen: 52.273 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032462.D

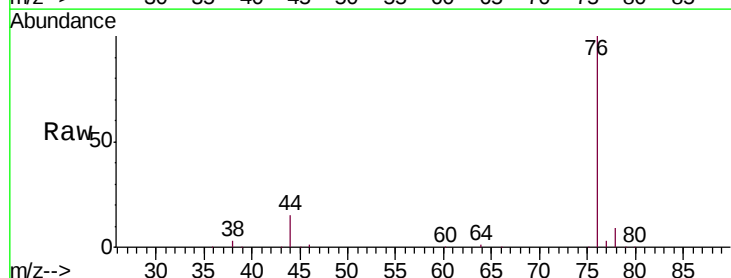
Acq: 05 Jun 2019 15:29

Tgt Ion: 76 Resp: 194858

Ion Ratio Lower Upper

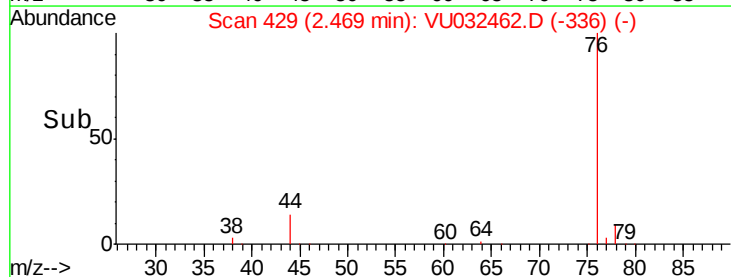
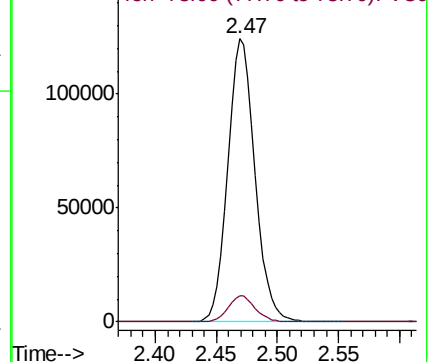
76 100

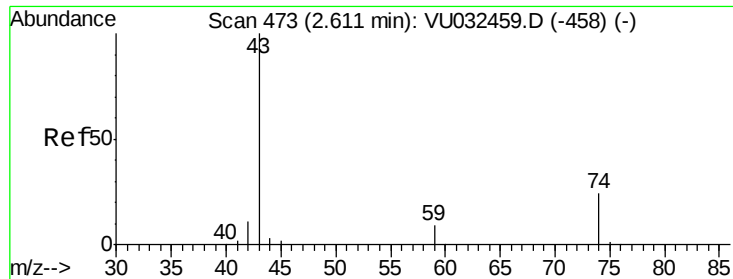
78 9.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VU032459.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032459.D (-417) (-)

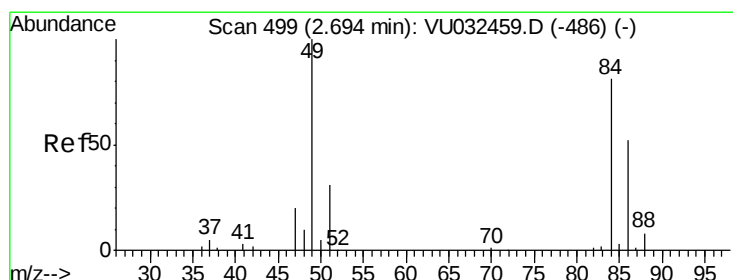
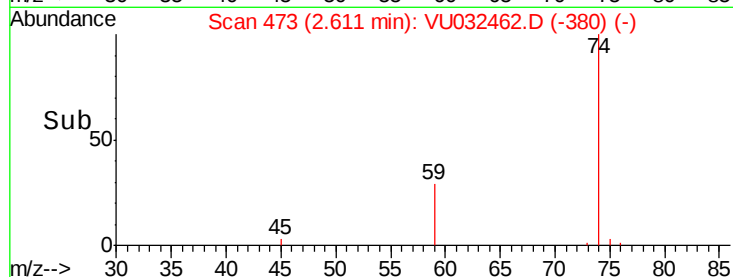
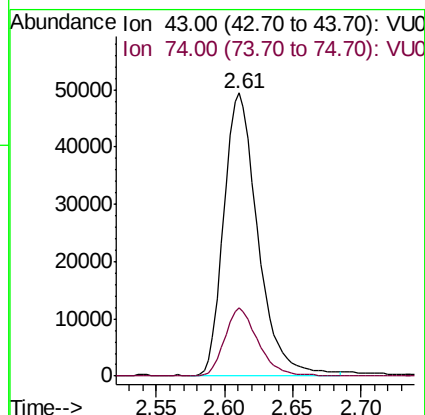
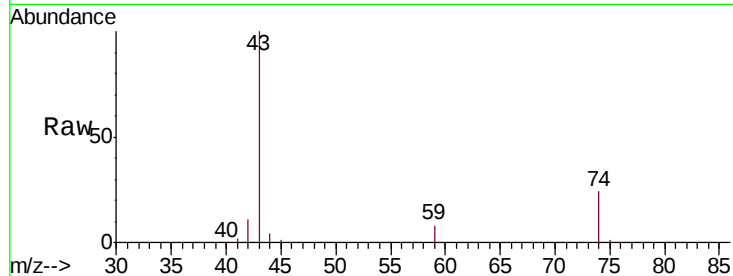




#15
Methyl Acetate
Concen: 51.511 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

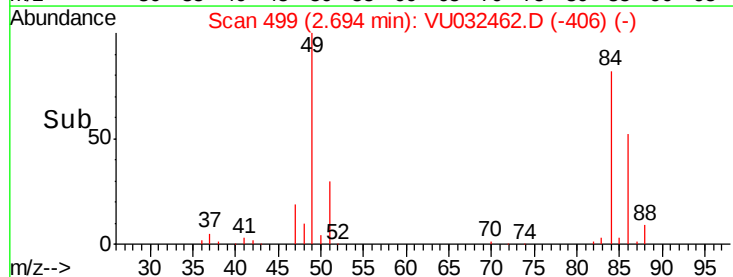
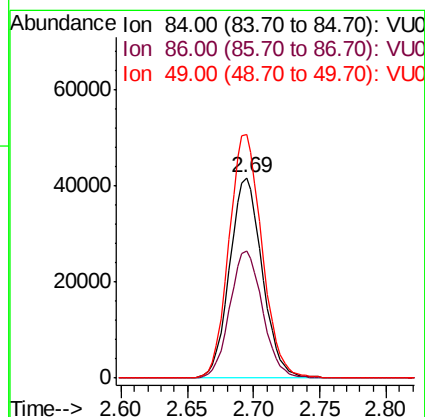
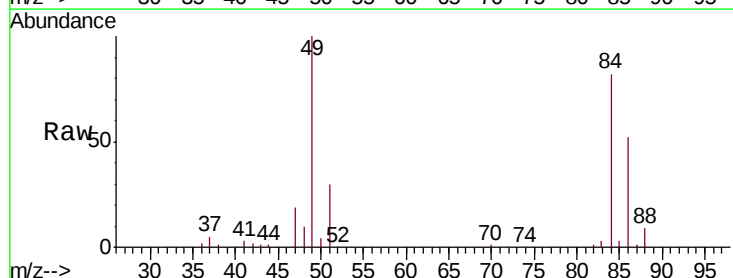
Instrument :
MSVOA_U
ClientSampleId :
VICV59

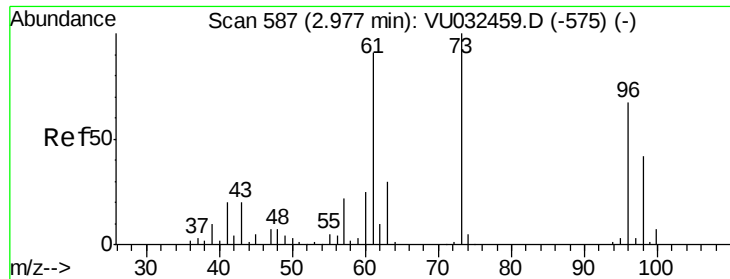
Tgt Ion: 43 Resp: 85187
Ion Ratio Lower Upper
43 100
74 23.8 18.0 27.0



#16
Methylene chloride
Concen: 50.920 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Tgt Ion: 84 Resp: 71283
Ion Ratio Lower Upper
84 100
86 63.1 44.7 82.9
49 121.5 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 50.639 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

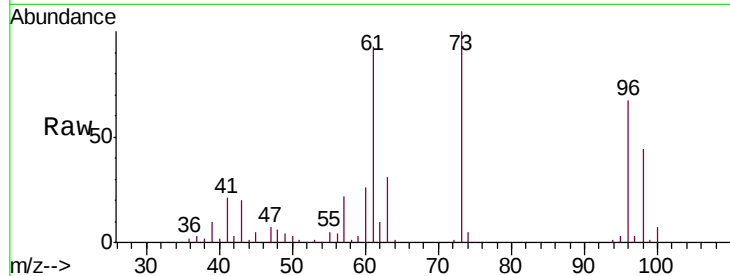
Tgt Ion: 96 Resp: 67323

Ion Ratio Lower Upper

96 100

61 138.5 95.7 177.7

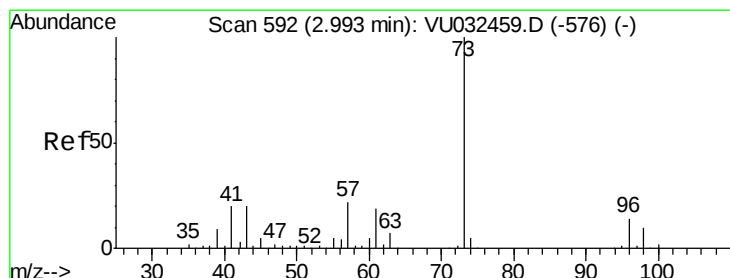
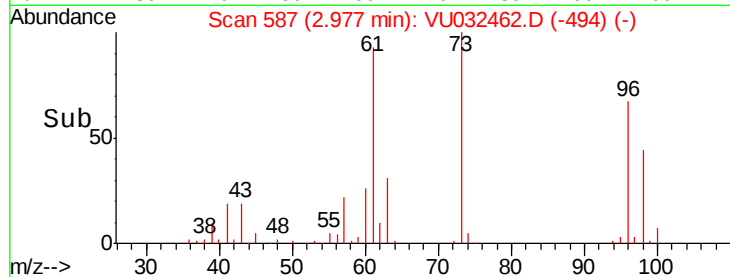
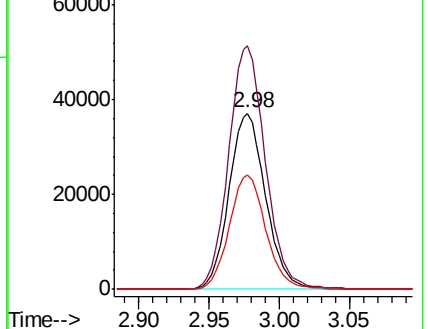
98 65.0 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU032459.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032459.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032459.D (-575) (-)



#18

Methyl tert-butyl Ether

Concen: 50.325 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

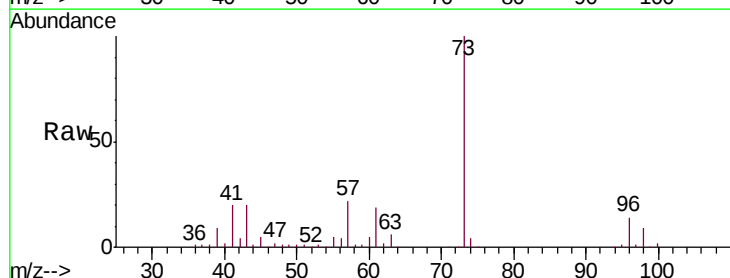
Tgt Ion: 73 Resp: 219804

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

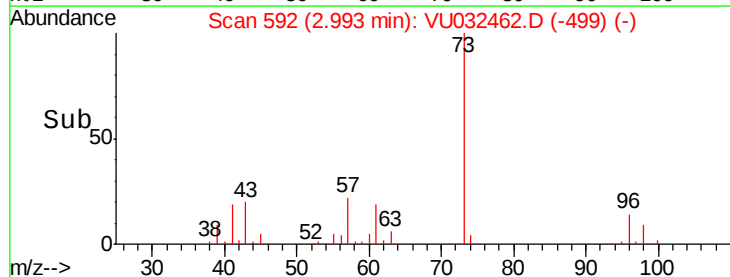
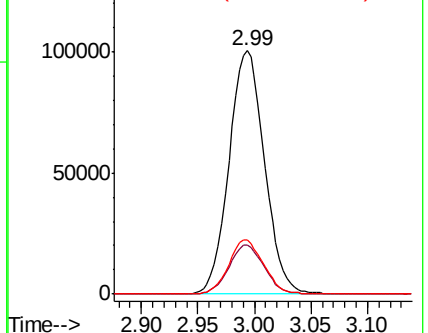
57 21.8 17.6 26.4

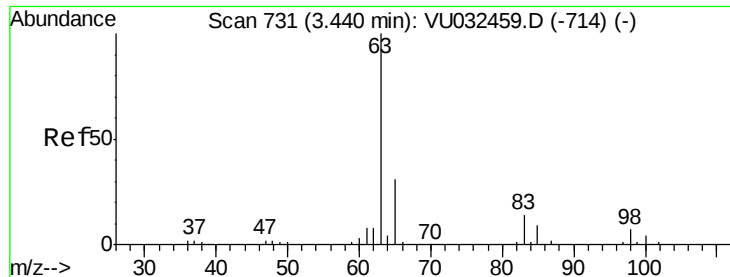


Abundance Ion 73.00 (72.70 to 73.70): VU032459.D (-576) (-)

Ion 43.00 (42.70 to 43.70): VU032459.D (-576) (-)

Ion 57.00 (56.70 to 57.70): VU032459.D (-576) (-)

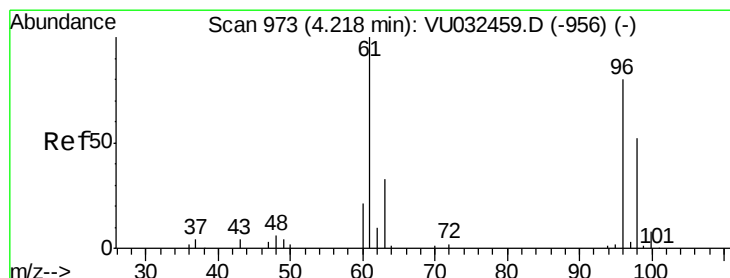
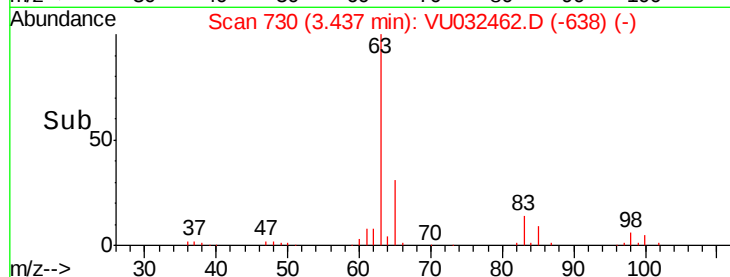
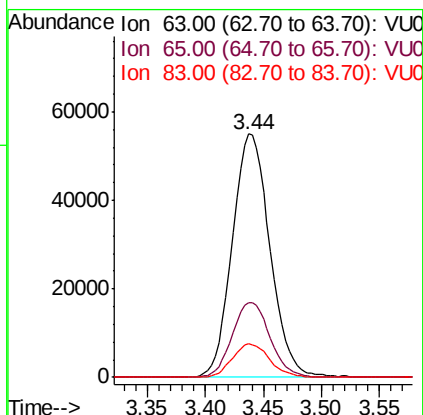
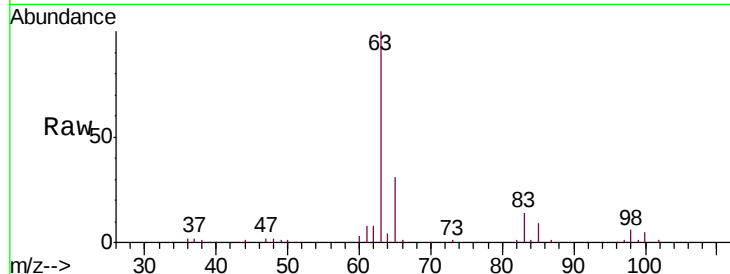




#19
 1,1-Dichloroethane
 Concen: 51.061 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

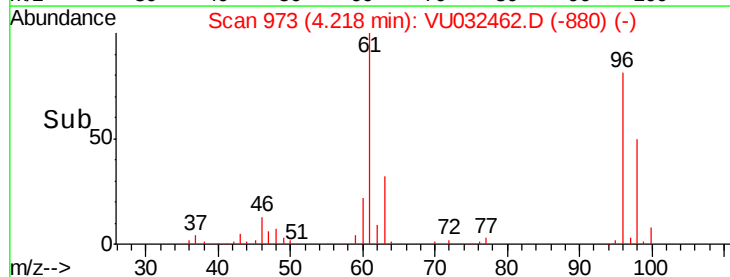
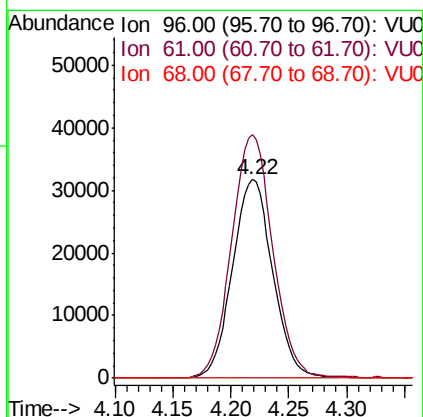
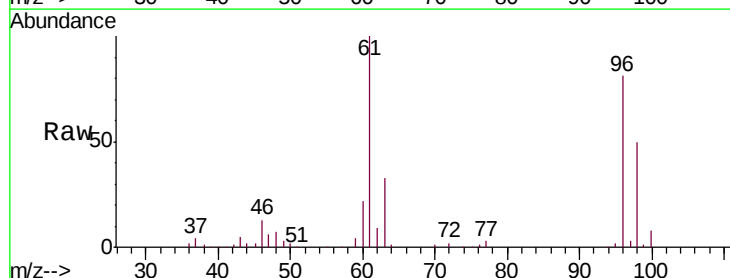
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

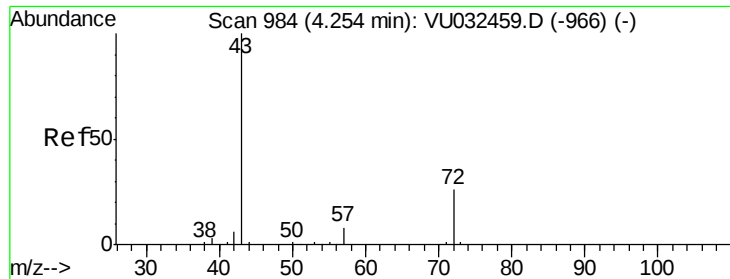
Tgt Ion: 63 Resp: 123753
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.8 40.6
 83 13.7 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.977 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion: 96 Resp: 76699
 Ion Ratio Lower Upper
 96 100
 61 122.8 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.796 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

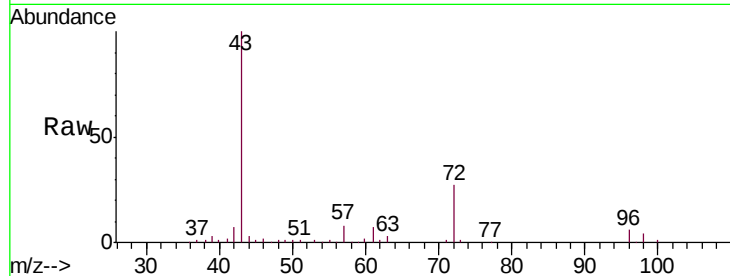
VICV59

Tgt Ion: 43 Resp: 147570

Ion Ratio Lower Upper

43 100

72 26.5 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032459.D (-966) (-)

Ion 72.00 (71.70 to 72.70): VU032459.D (-966) (-)

4.25

60000

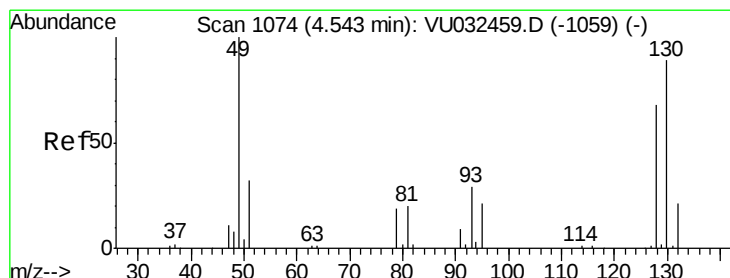
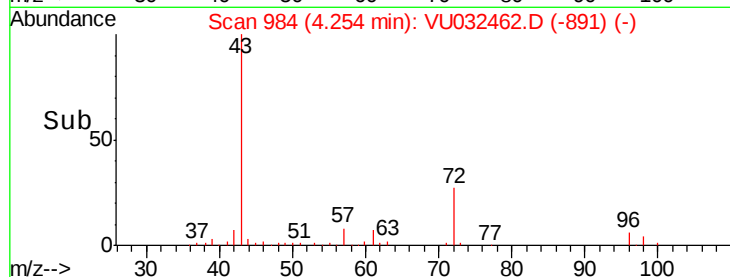
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 50.903 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Tgt Ion: 128 Resp: 39822

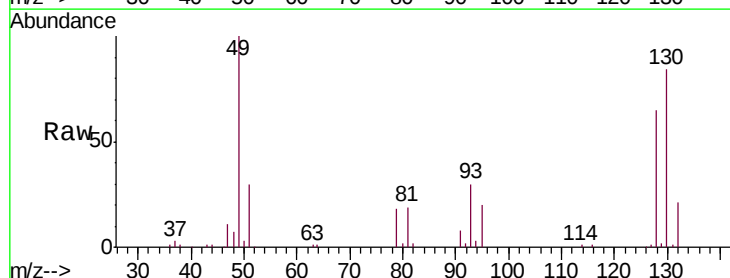
Ion Ratio Lower Upper

128 100

49 154.2 103.7 192.5

130 129.2 92.2 171.2

51 47.0 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032459.D (-1059) (-)

Ion 49.00 (48.70 to 49.70): VU032459.D (-1059) (-)

Ion 130.00 (129.70 to 130.70): VU032459.D (-1059) (-)

Ion 51.00 (50.70 to 51.70): VU032459.D (-1059) (-)

4.54

40000

30000

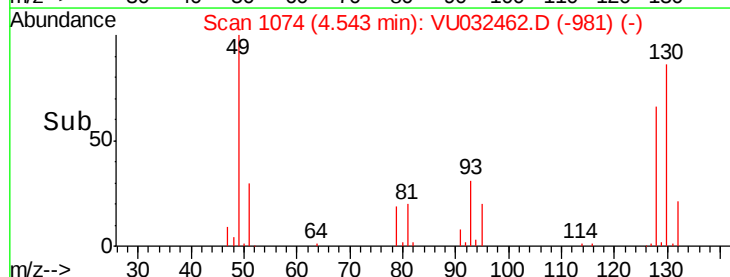
20000

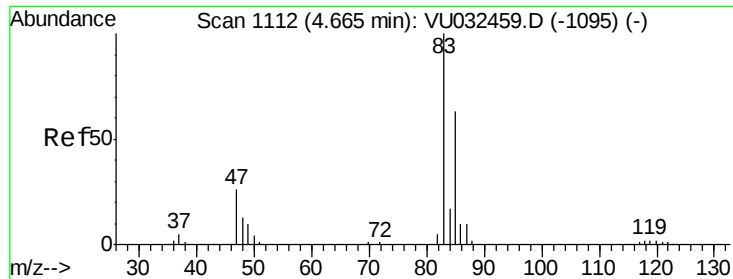
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->

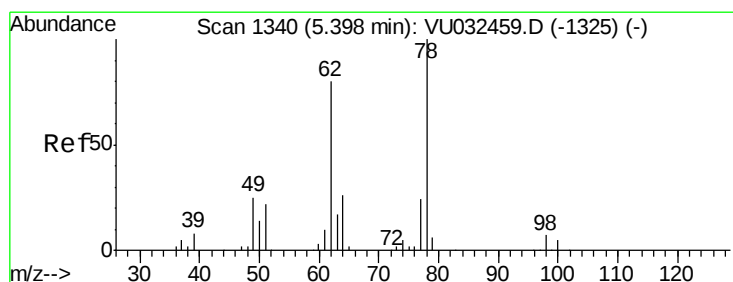
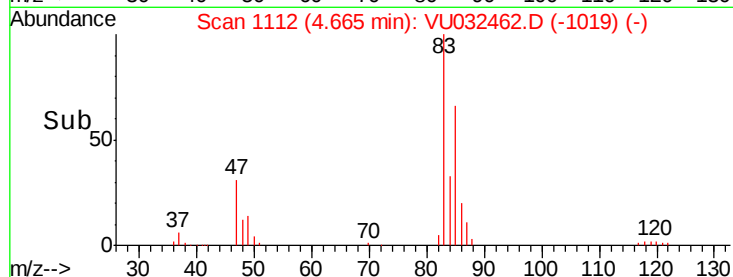
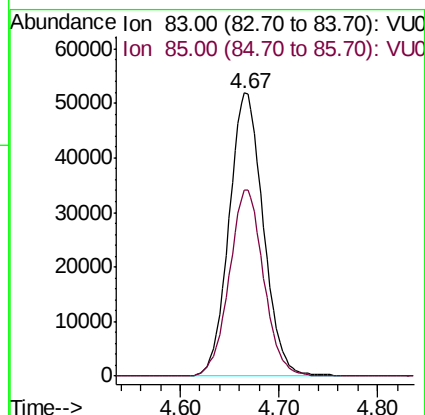
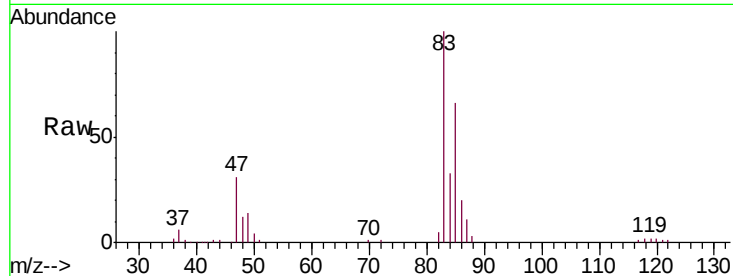




#25
Chloroform
Concen: 50.180 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

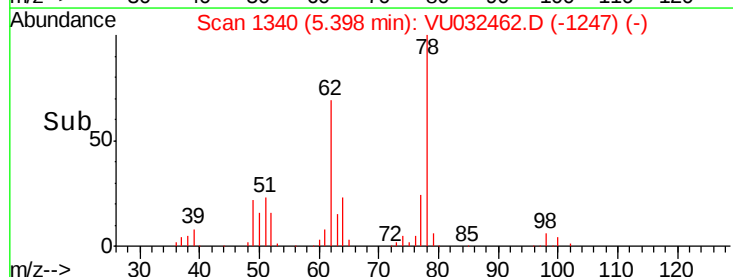
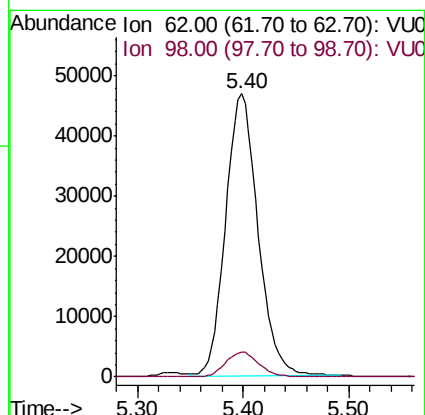
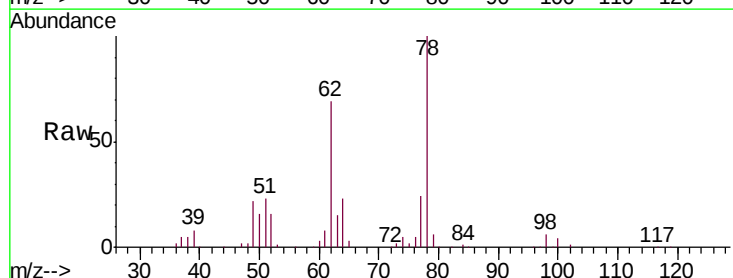
Instrument :
MSVOA_U
ClientSampleId :
VICV59

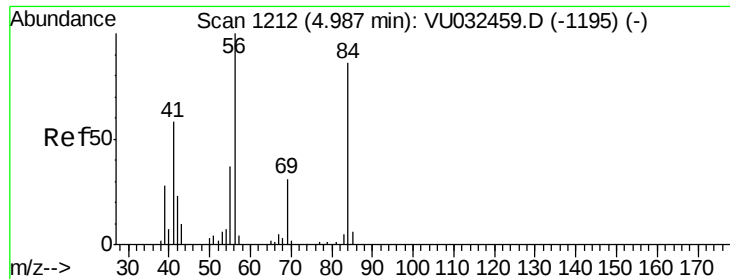
Tgt Ion: 83 Resp: 125501
Ion Ratio Lower Upper
83 100
85 65.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 50.497 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Tgt Ion: 62 Resp: 99840
Ion Ratio Lower Upper
62 100
98 8.8 7.2 10.8

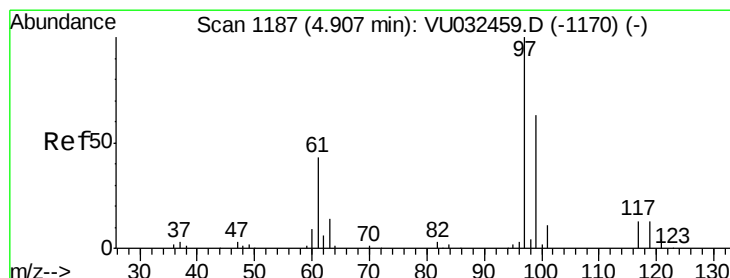
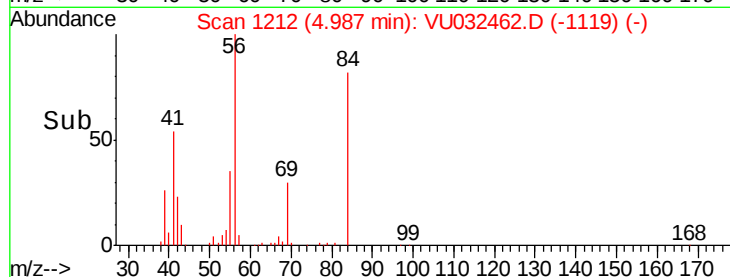
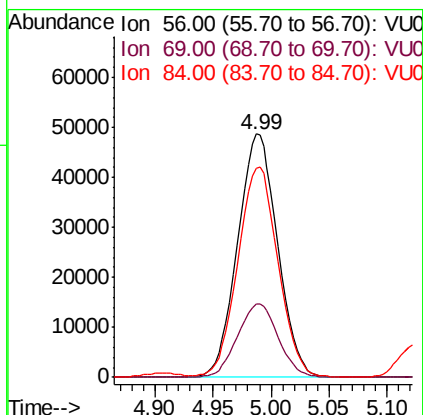
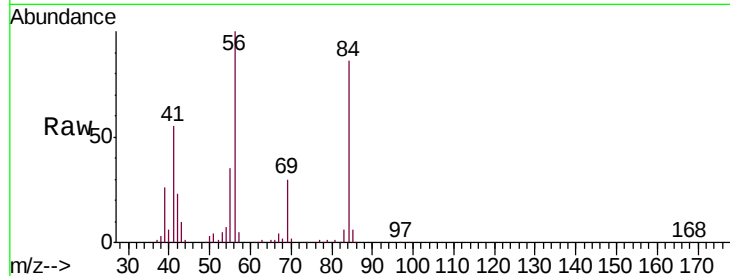




#29
Cyclohexane
Concen: 49.977 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

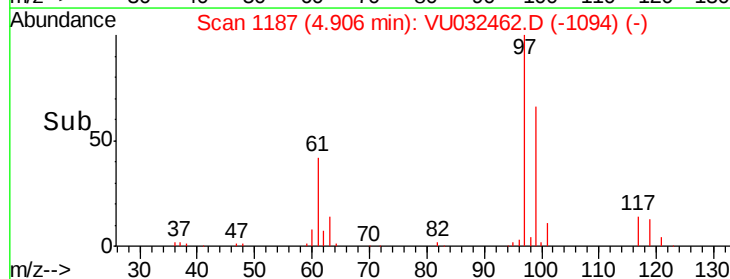
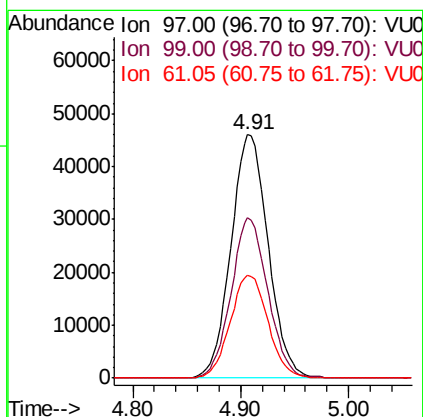
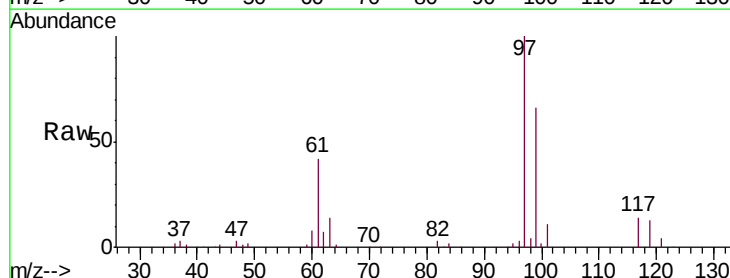
Instrument :
MSVOA_U
ClientSampleId :
VICV59

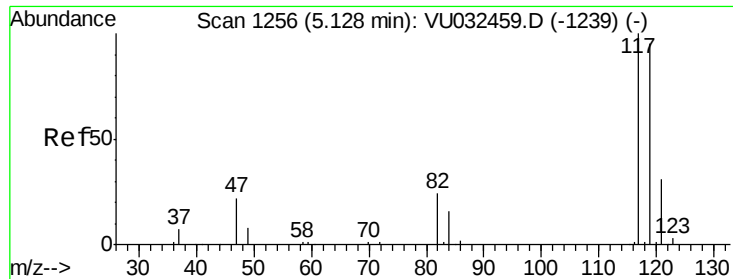
Tgt Ion: 56 Resp: 116457
Ion Ratio Lower Upper
56 100
69 30.8 24.7 37.1
84 86.9 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 49.868 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Tgt Ion: 97 Resp: 110594
Ion Ratio Lower Upper
97 100
99 64.8 50.5 75.7
61 42.9 33.8 50.6





#31

Carbon tetrachloride

Concen: 50.334 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

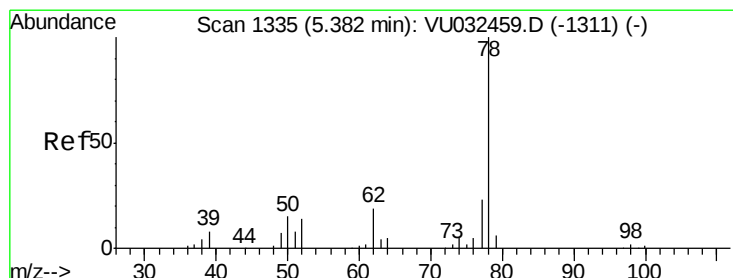
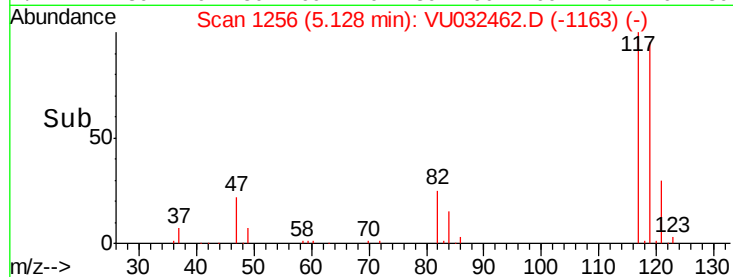
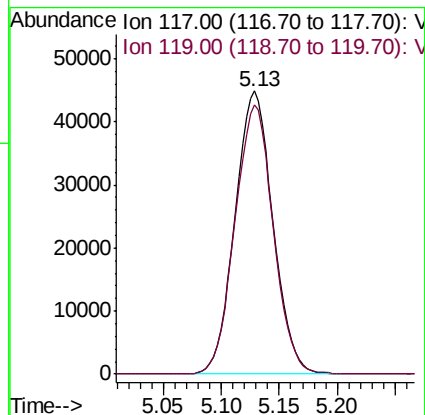
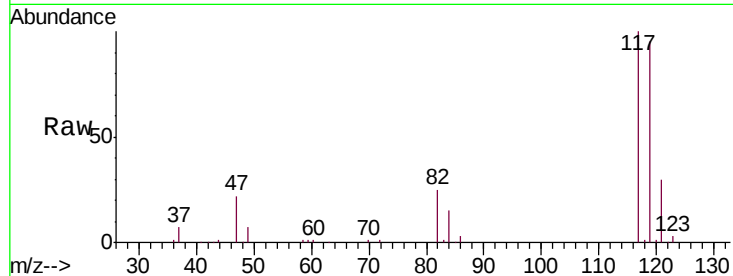
VICV59

Tgt Ion:117 Resp: 102310

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8



#33

Benzene

Concen: 50.505 ug/L

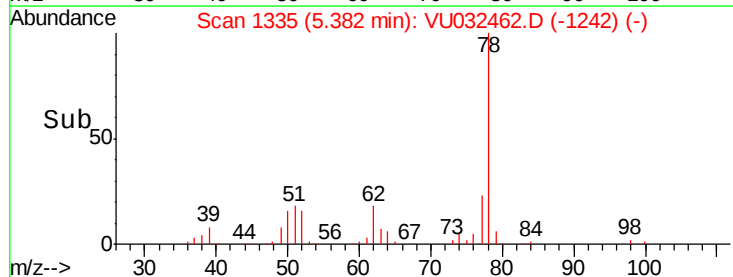
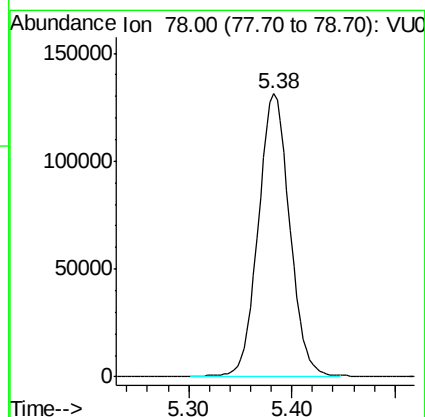
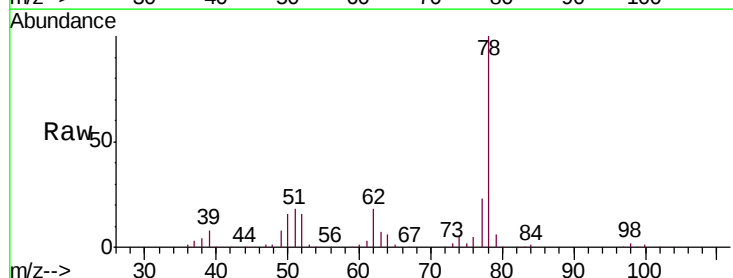
RT: 5.38 min Scan# 1335

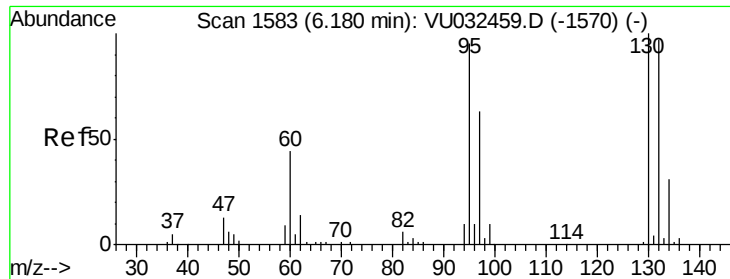
Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Tgt Ion: 78 Resp: 277999





#34

Trichloroethene

Concen: 50.080 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

Tgt Ion: 95 Resp: 74996

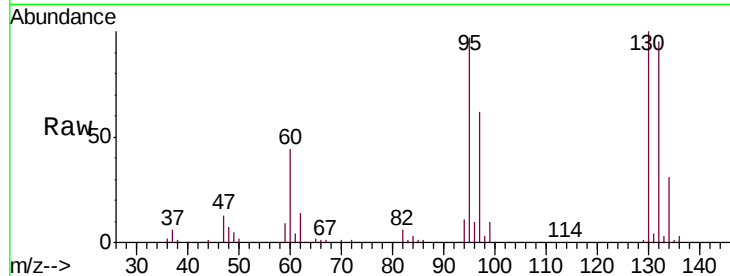
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.2

132 97.9 71.0 131.8

130 102.7 73.4 136.2

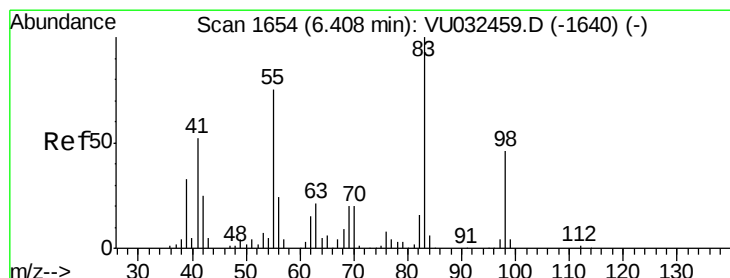
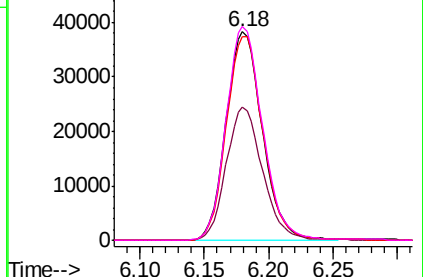
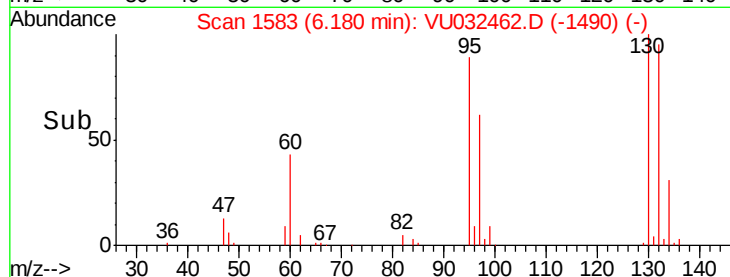


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 49.708 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

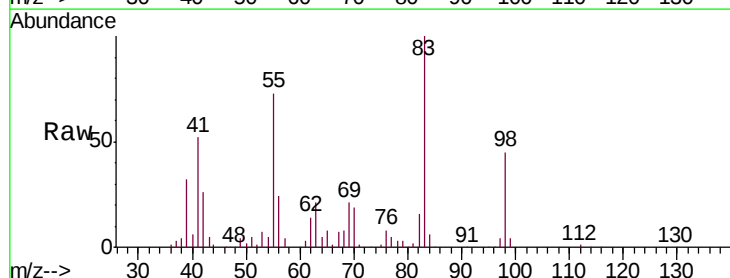
Tgt Ion: 83 Resp: 120509

Ion Ratio Lower Upper

83 100

55 75.6 60.2 90.4

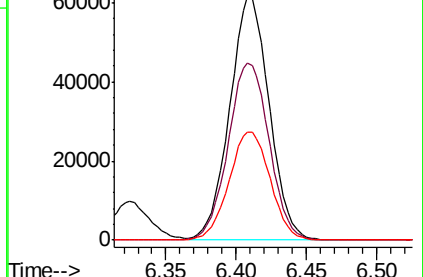
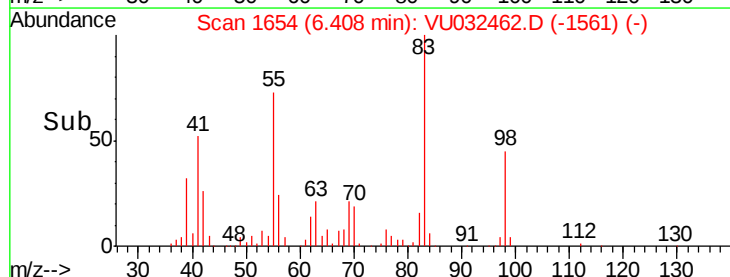
98 46.4 37.4 56.2

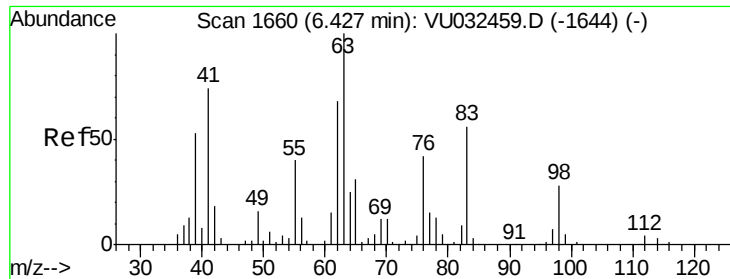


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

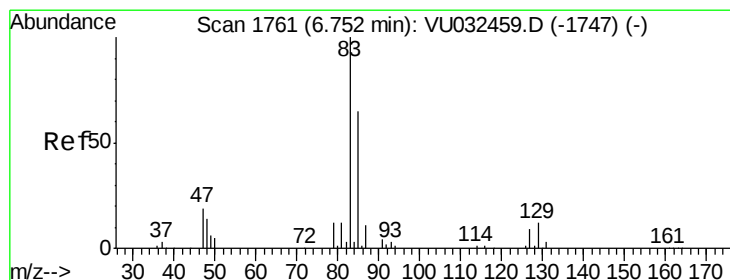
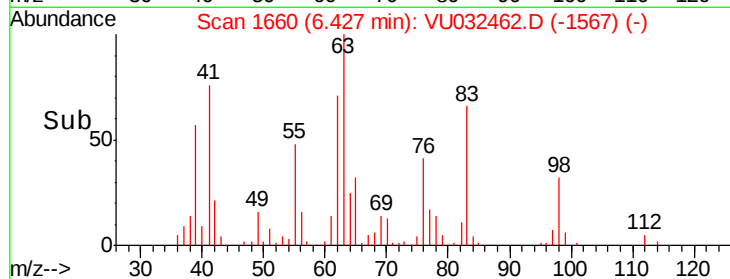
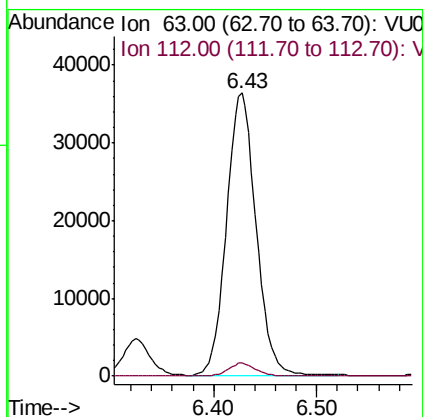
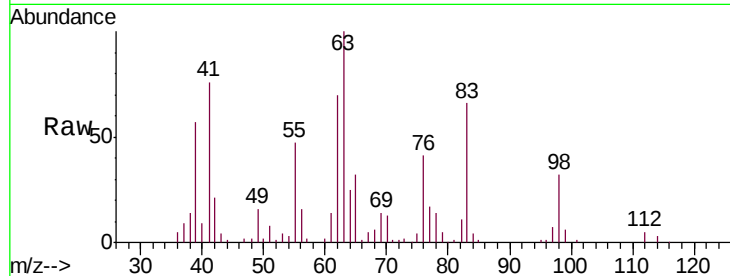




#37
 1,2-Dichloropropane
 Concen: 49.753 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

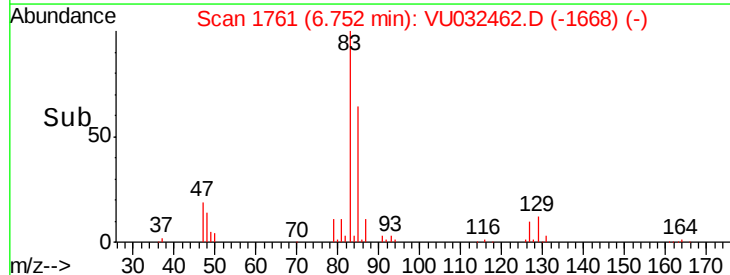
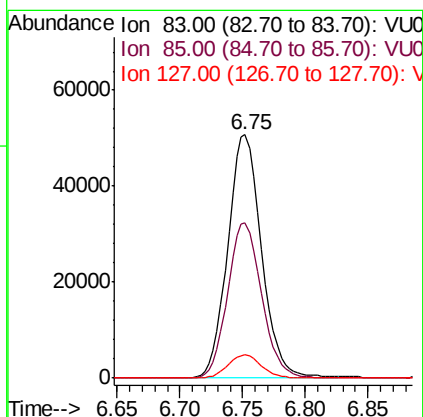
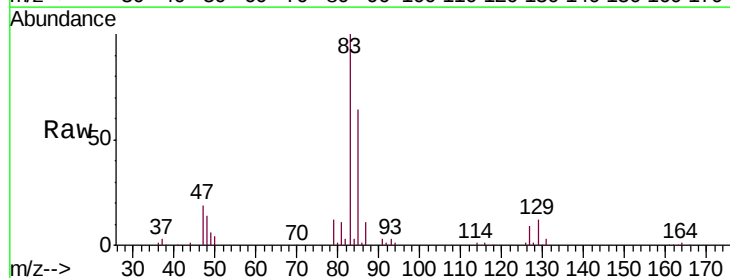
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

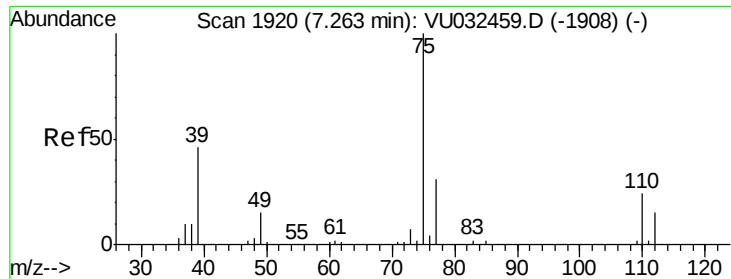
Tgt Ion: 63 Resp: 72596
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.1 4.7



#38
 Bromodichloromethane
 Concen: 50.655 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion: 83 Resp: 95171
 Ion Ratio Lower Upper
 83 100
 85 63.9 45.4 84.4
 127 9.5 7.4 11.2

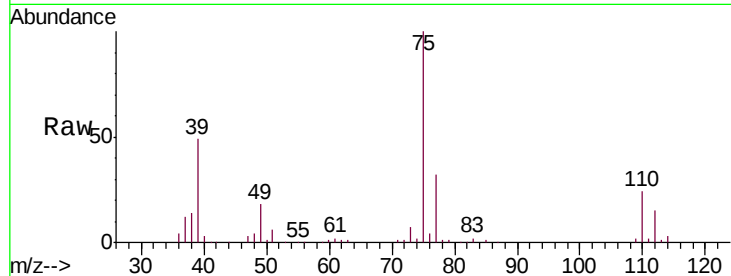




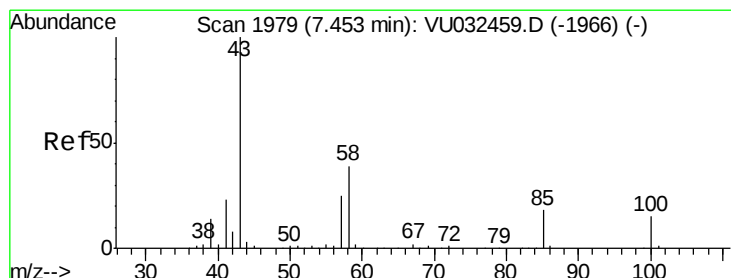
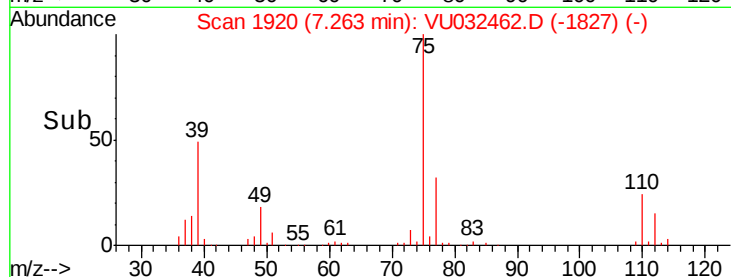
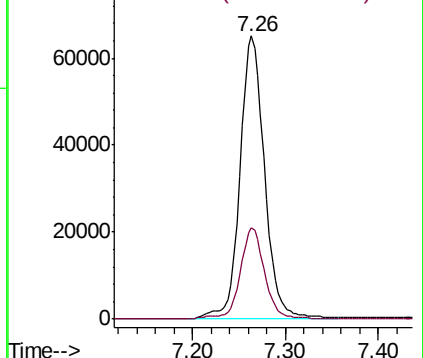
#39
 cis-1,3-Dichloropropene
 Concen: 52.263 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

Tgt Ion: 75 Resp: 120319
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.0 41.0

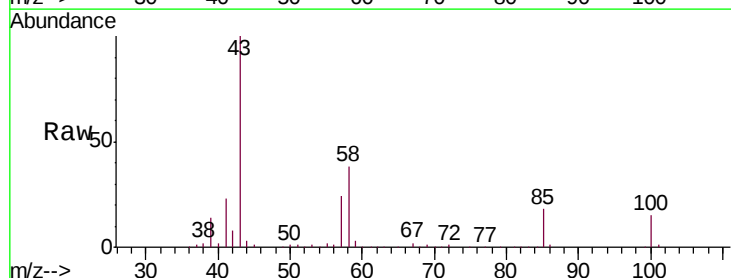


Abundance Ion 75.00 (74.70 to 75.70): VU032459.D (-1908) (-)
 Ion 77.00 (76.70 to 77.70): VU032459.D (-1908) (-)

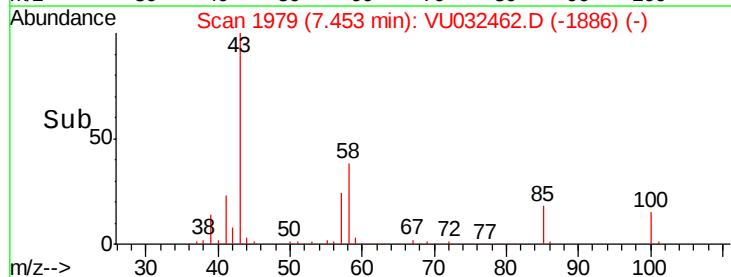
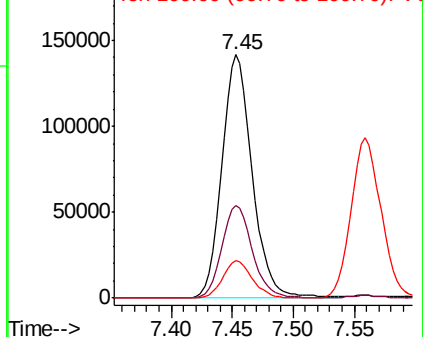


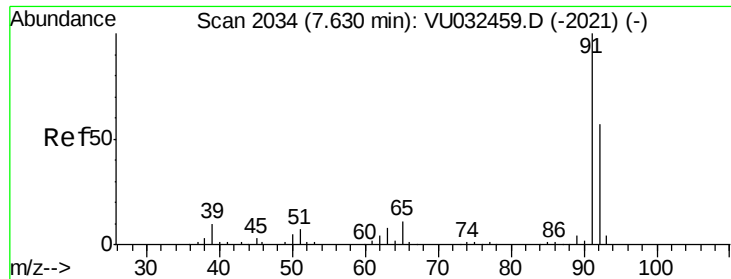
#40
 4-Methyl-2-pentanone
 Concen: 105.554 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion: 43 Resp: 247777
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.8 46.2
 100 15.0 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VU032459.D (-1966) (-)
 Ion 58.00 (57.70 to 58.70): VU032459.D (-1966) (-)
 Ion 100.00 (99.70 to 100.70): VU032459.D (-1966) (-)





#42

Toluene

Concen: 50.433 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

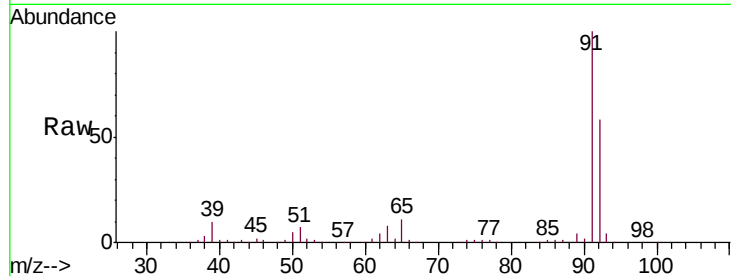
VICV59

Tgt Ion: 91 Resp: 304019

Ion Ratio Lower Upper

91 100

92 57.5 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) (-)

7.63

200000

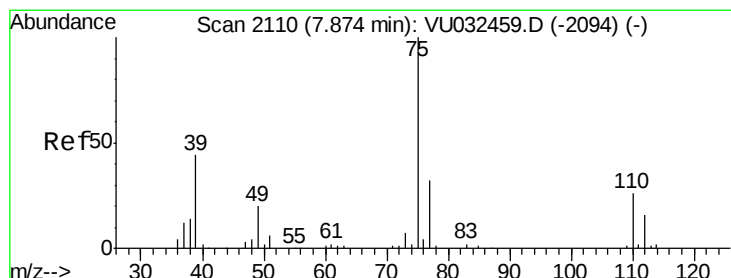
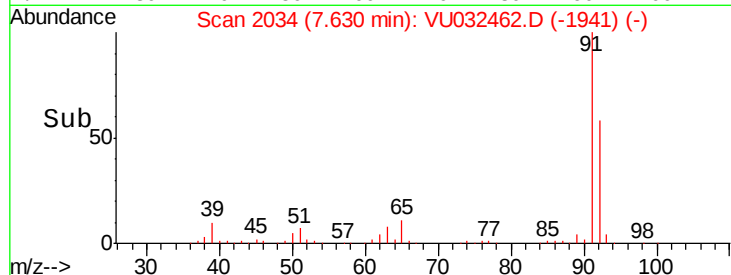
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 53.098 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032462.D

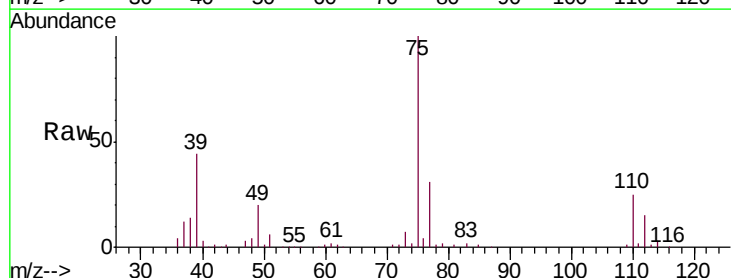
Acq: 05 Jun 2019 15:29

Tgt Ion: 75 Resp: 108500

Ion Ratio Lower Upper

75 100

77 31.2 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) (-)

7.87

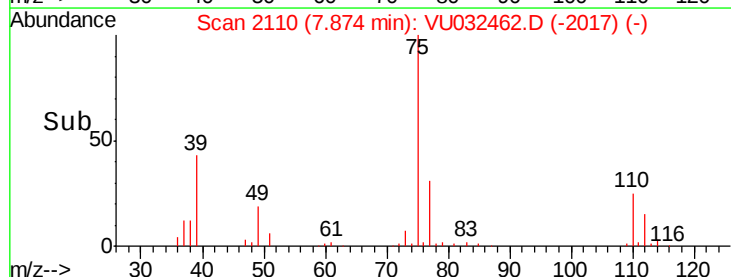
60000

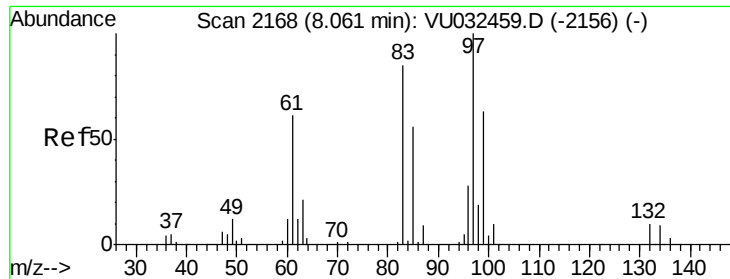
40000

20000

0

Time-->

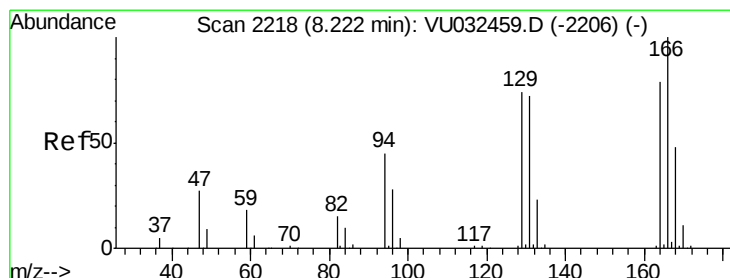
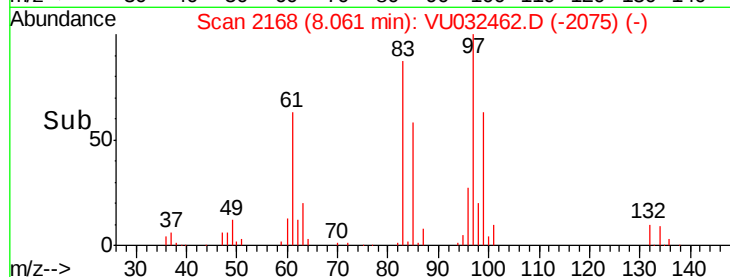
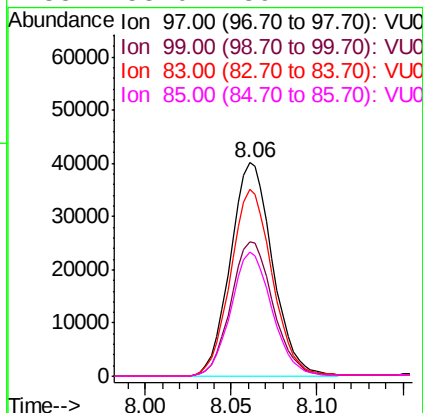
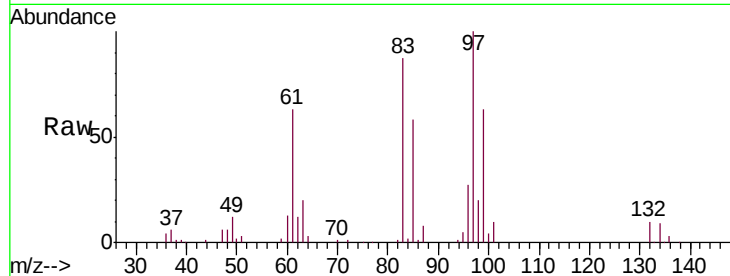




#45
 1,1,2-Trichloroethane
 Concen: 49.988 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

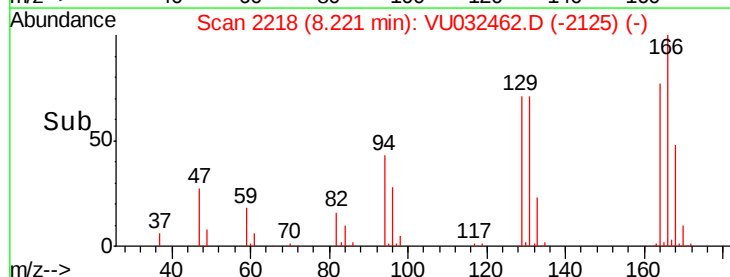
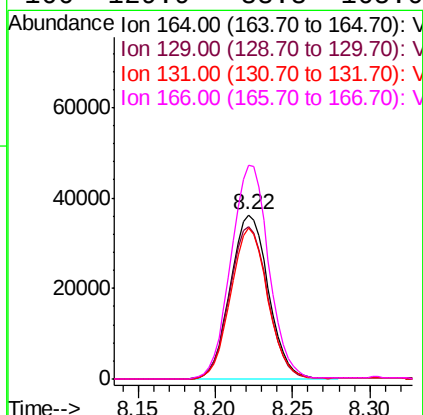
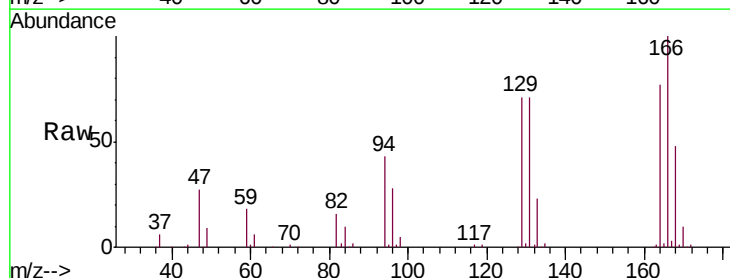
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

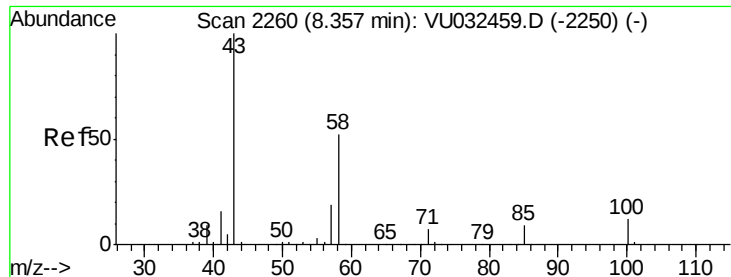
Tgt Ion:	97	Resp:	68975
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.1	81.9
83	87.4	59.4	110.2
85	58.0	39.1	72.7



#46
 Tetrachloroethene
 Concen: 50.317 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion:	164	Resp:	62234
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.3	121.3
131	91.7	64.0	119.0
166	129.9	88.8	165.0

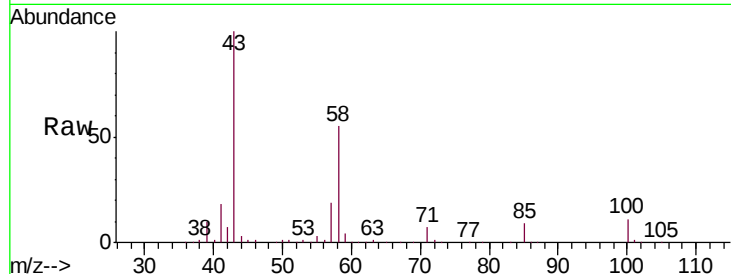




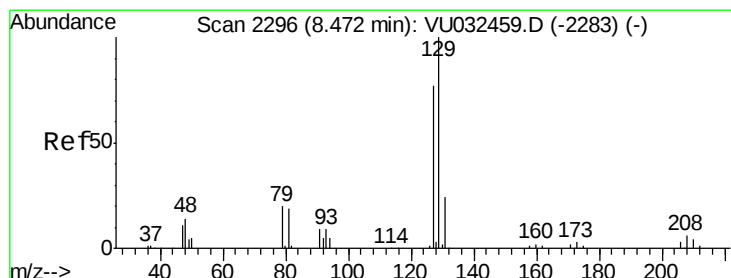
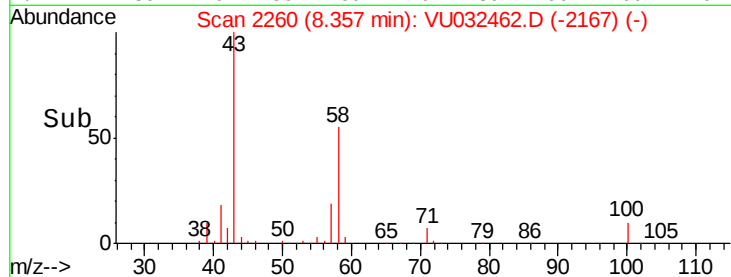
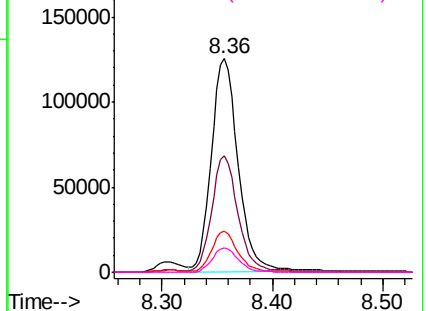
#48
2-Hexanone
Concen: 109.259 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Instrument :
MSVOA_U
ClientSampleId :
VICV59

Tgt Ion: 43 Resp: 210656
Ion Ratio Lower Upper
43 100
58 53.4 42.0 63.0
57 18.7 14.6 22.0
100 11.3 9.2 13.8

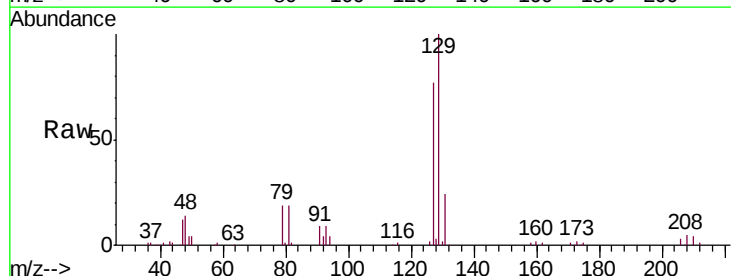


Abundance Ion 43.00 (42.70 to 43.70): VU032459.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032459.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032459.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032459.D (-2250) (-)

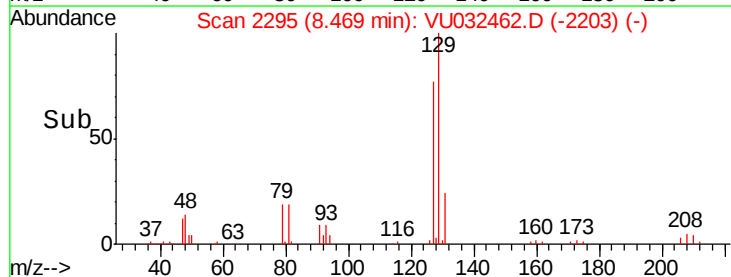
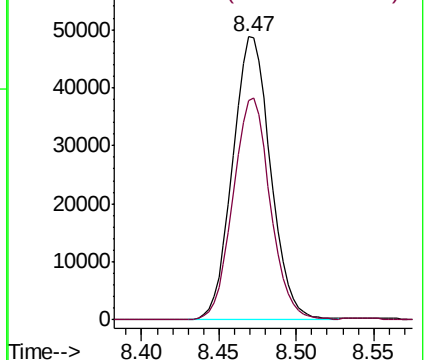


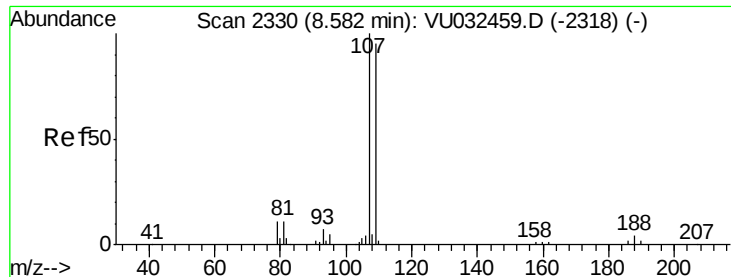
#49
Dibromochloromethane
Concen: 51.893 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032462.D
Acq: 05 Jun 2019 15:29

Tgt Ion: 129 Resp: 83226
Ion Ratio Lower Upper
129 100
127 77.3 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VU032459.D (-2283) (-)
Ion 127.00 (126.70 to 127.70): VU032459.D (-2283) (-)





#50

1,2-Dibromoethane

Concen: 50.910 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

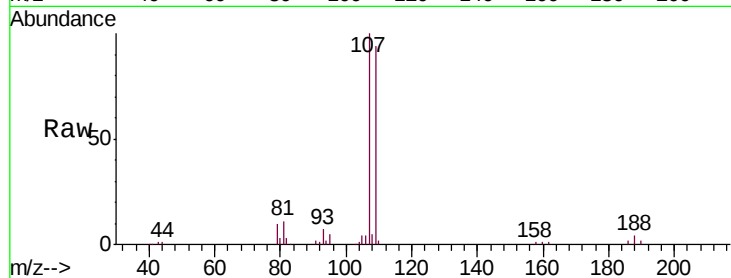
Tgt Ion:107 Resp: 79069

Ion Ratio Lower Upper

107 100

109 94.1 66.8 124.0

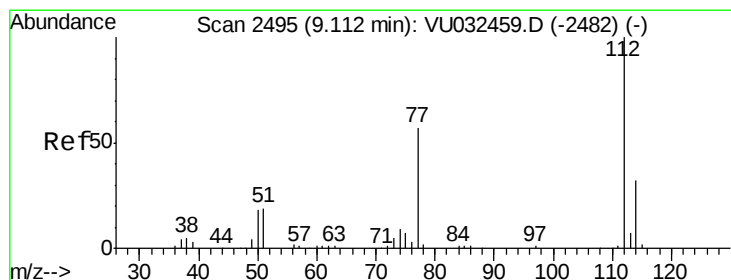
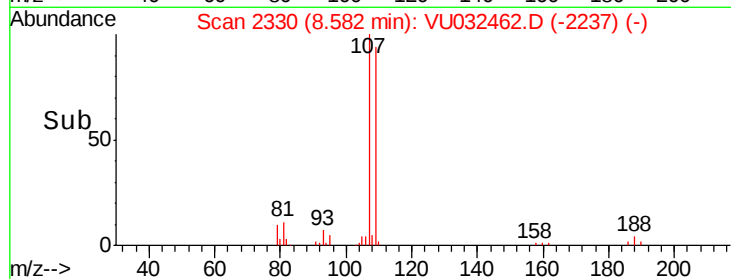
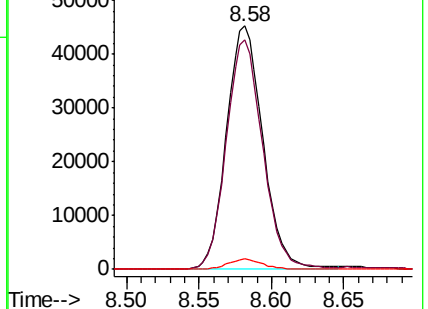
188 4.3 3.1 4.7



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: 51.375 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

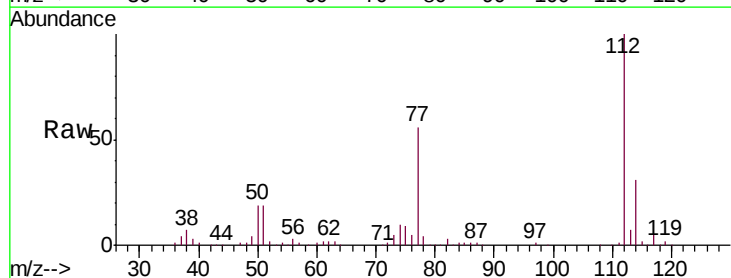
Tgt Ion:112 Resp: 199528

Ion Ratio Lower Upper

112 100

114 31.2 22.6 42.0

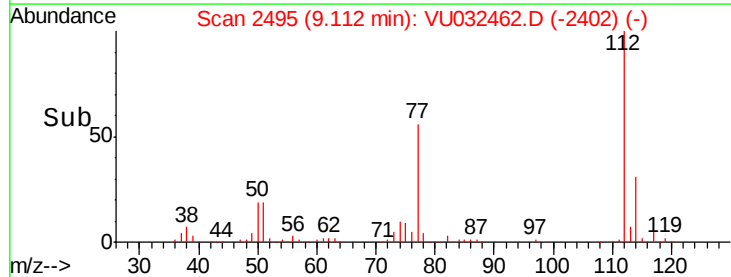
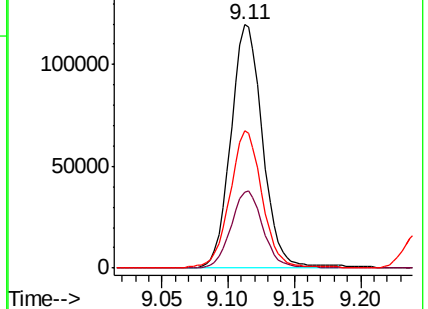
77 56.3 46.1 69.1

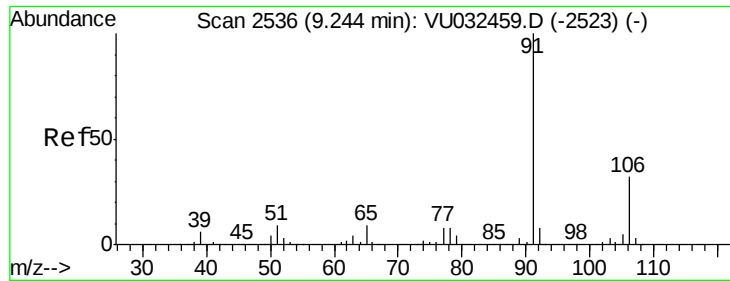


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.269 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

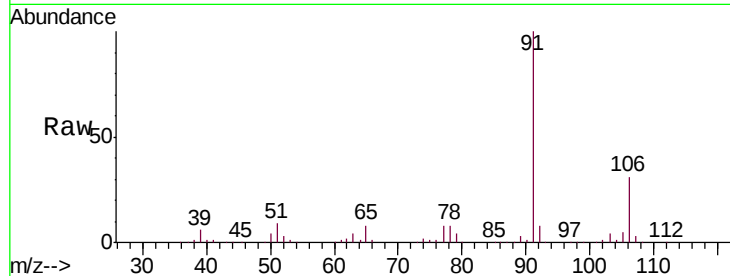
VICV59

Tgt Ion: 91 Resp: 344493

Ion Ratio Lower Upper

91 100

106 31.4 22.0 41.0



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

Ion 106.00 (105.70 to 106.70): VU032462.D (-2443) (-)

250000

200000

150000

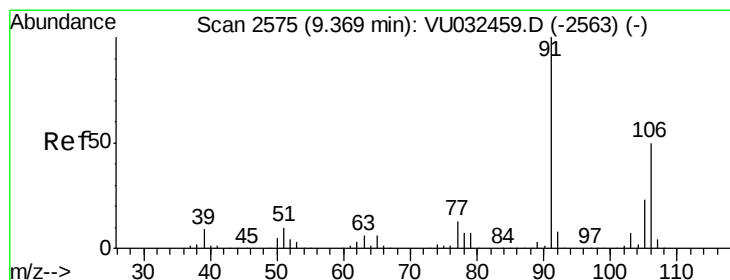
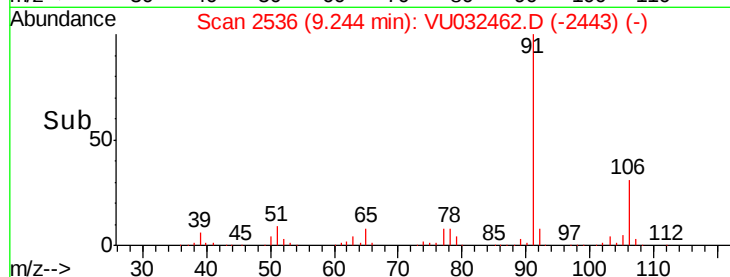
100000

50000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 51.211 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032462.D

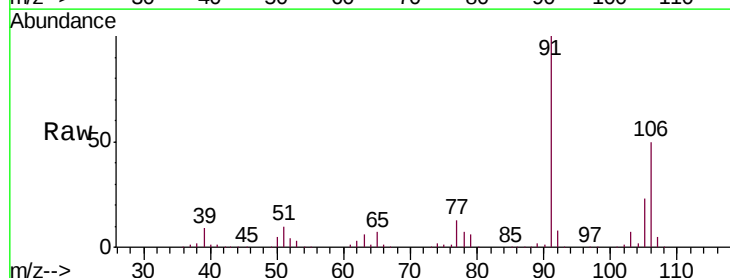
Acq: 05 Jun 2019 15:29

Tgt Ion: 106 Resp: 130847

Ion Ratio Lower Upper

106 100

91 201.9 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032462.D (-2482) (-)

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

150000

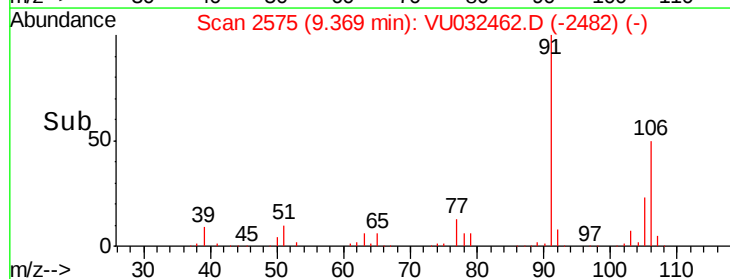
100000

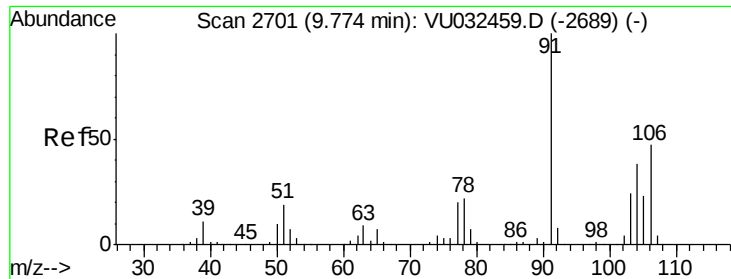
50000

0

9.30 9.40 9.50

Time-->





#54

o-xylene

Concen: 51.531 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

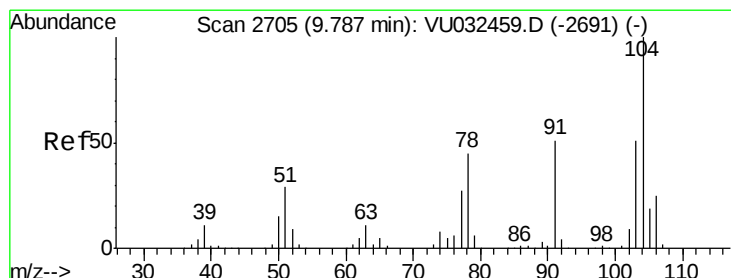
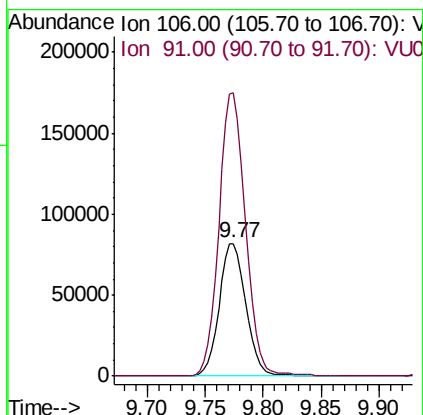
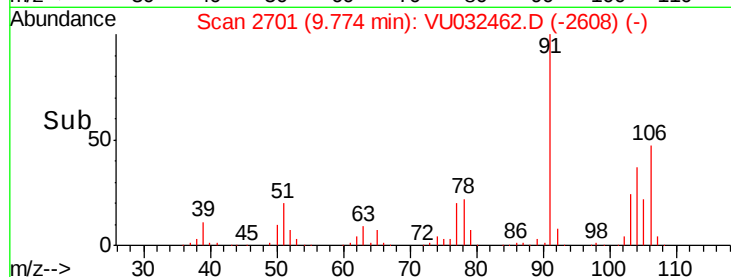
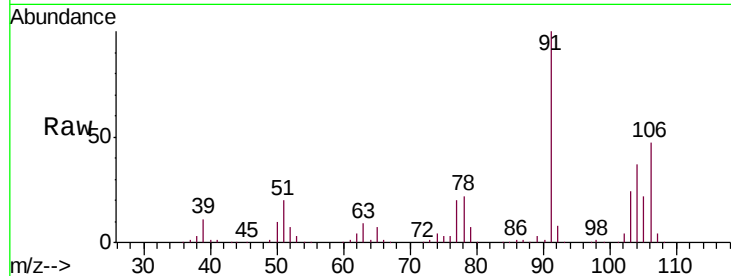
VICV59

Tgt Ion:106 Resp: 130728

Ion Ratio Lower Upper

106 100

91 213.4 150.1 278.7



#55

Styrene

Concen: 51.988 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032462.D

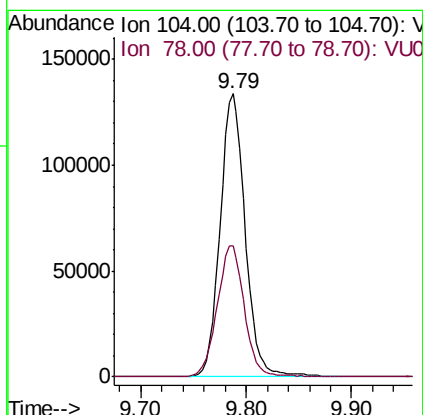
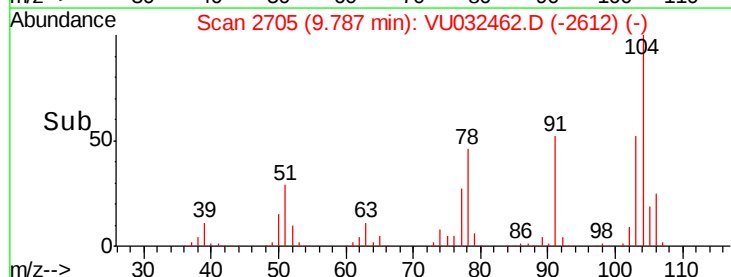
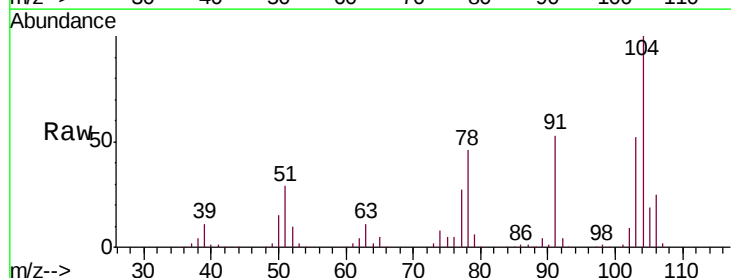
Acq: 05 Jun 2019 15:29

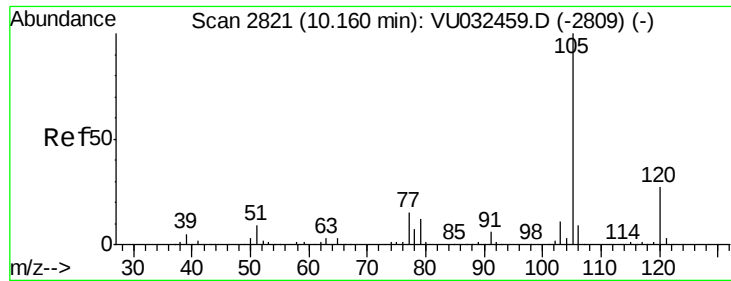
Tgt Ion:104 Resp: 220178

Ion Ratio Lower Upper

104 100

78 46.5 31.6 58.6





#56

Isopropylbenzene

Concen: 51.191 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

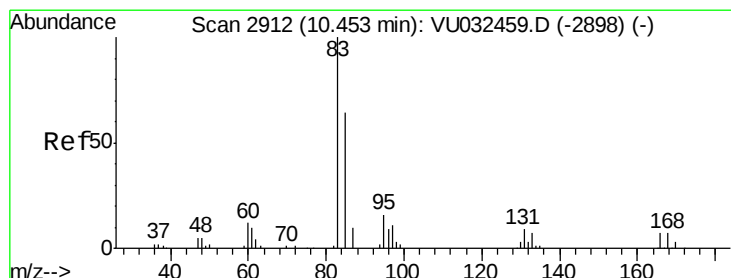
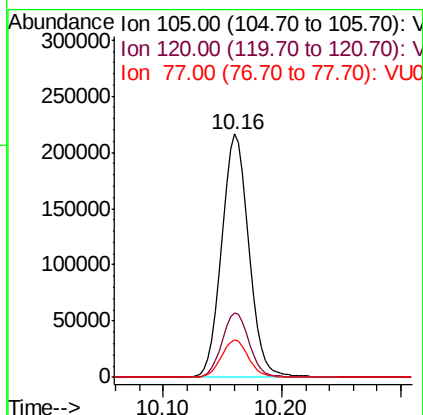
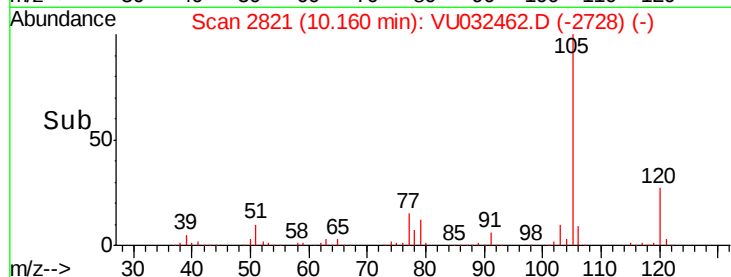
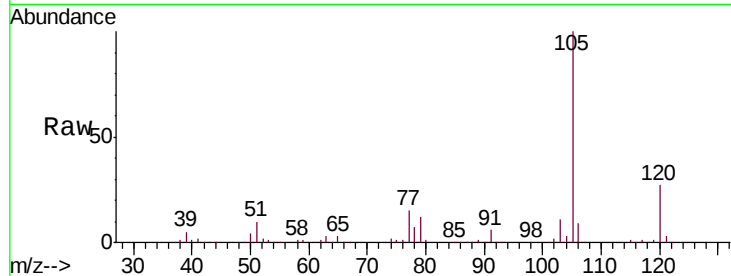
Tgt Ion: 105 Resp: 342438

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

77 15.4 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 51.779 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

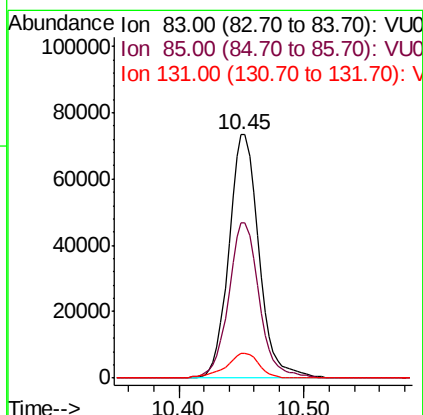
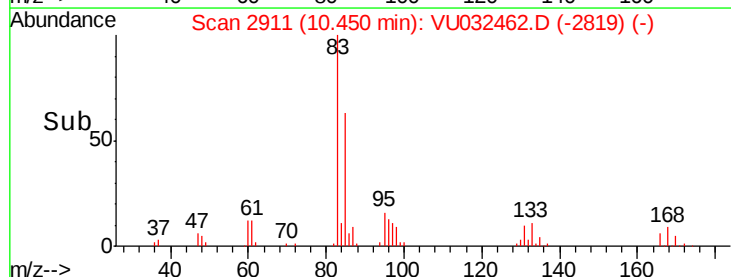
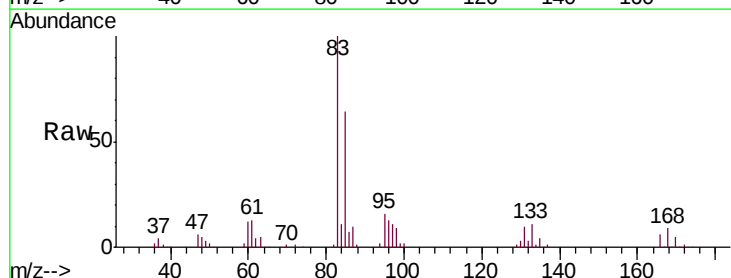
Tgt Ion: 83 Resp: 122109

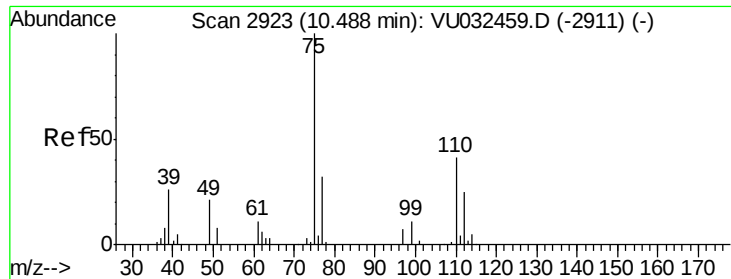
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7

131 10.1 7.9 11.9

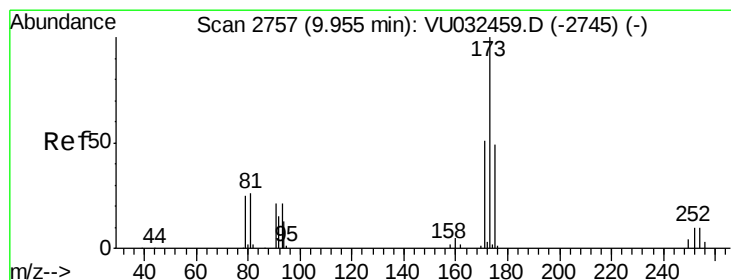
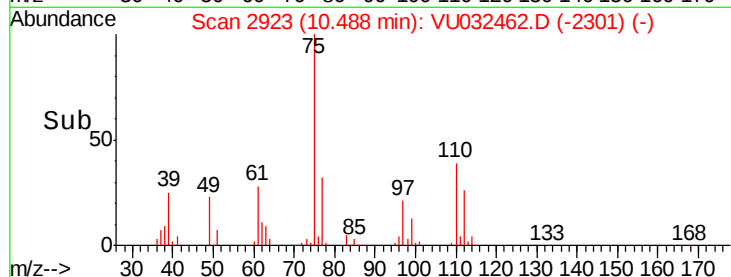
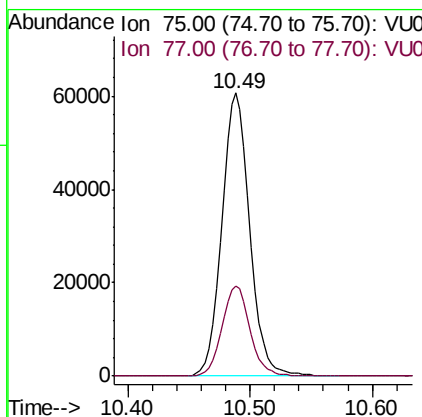
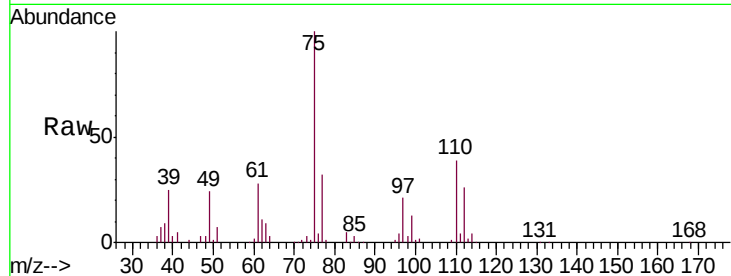




#59
 1,2,3-Trichloropropane
 Concen: 51.241 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

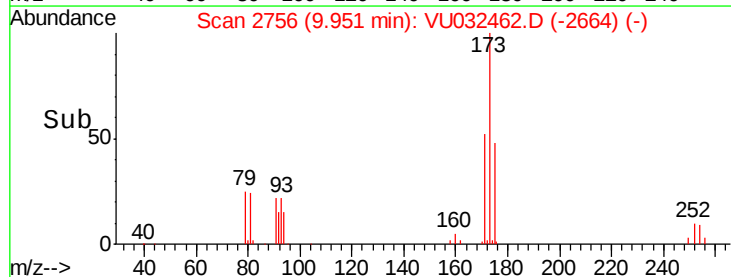
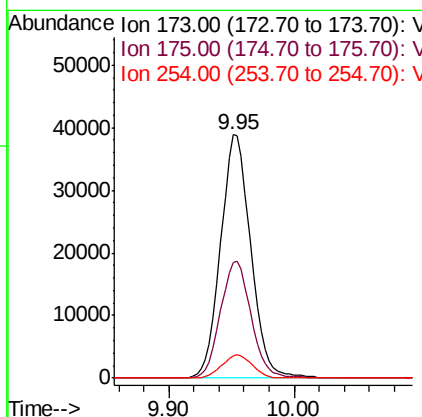
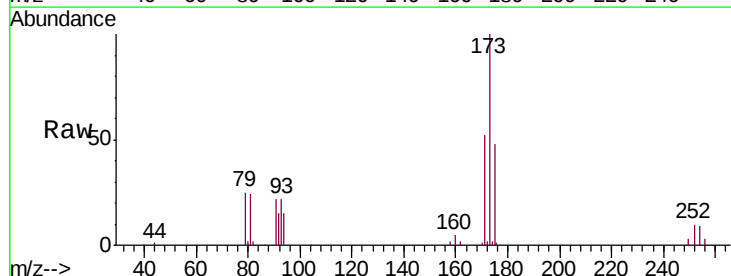
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

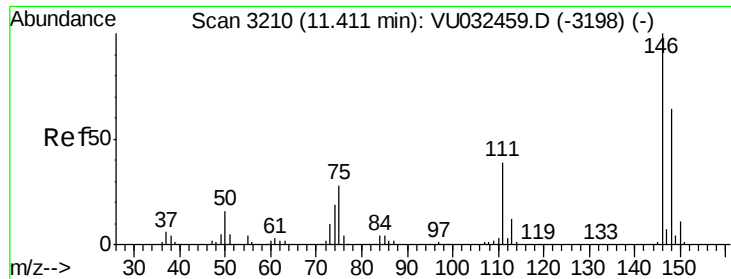
Tgt Ion: 75 Resp: 97195
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4



#61
 Bromoform
 Concen: 51.546 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion: 173 Resp: 64868
 Ion Ratio Lower Upper
 173 100
 175 48.7 39.7 59.5
 254 9.6 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 52.368 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

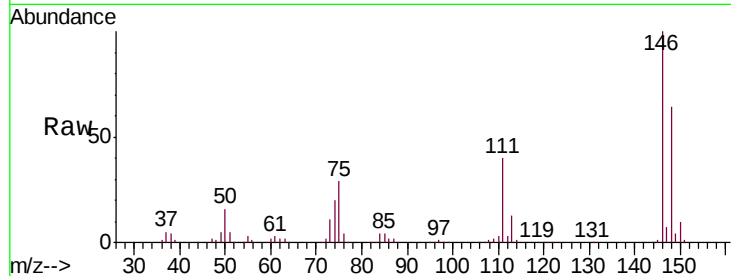
Tgt Ion:146 Resp: 167231

Ion Ratio Lower Upper

146 100

111 39.7 27.3 50.7

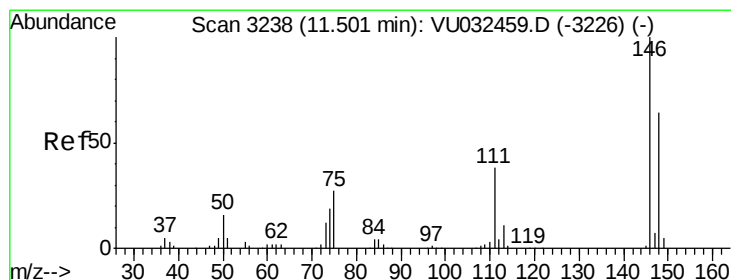
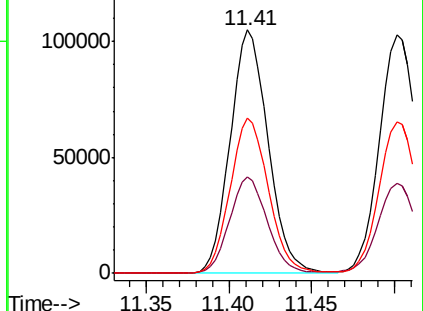
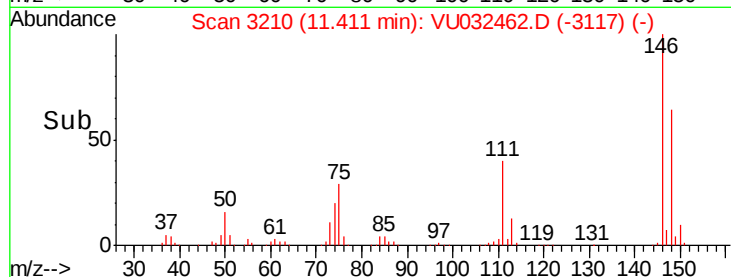
148 63.7 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.588 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

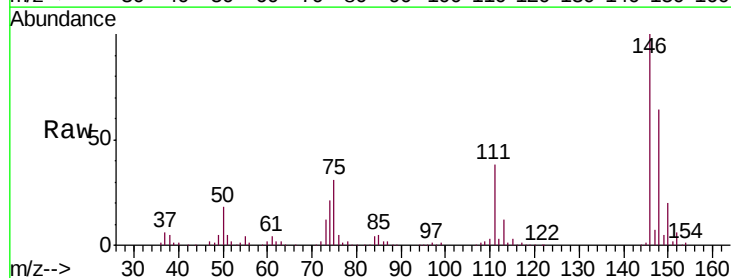
Tgt Ion:146 Resp: 165158

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

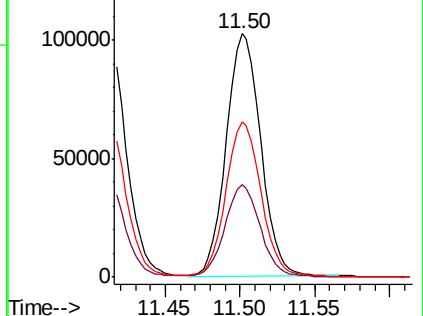
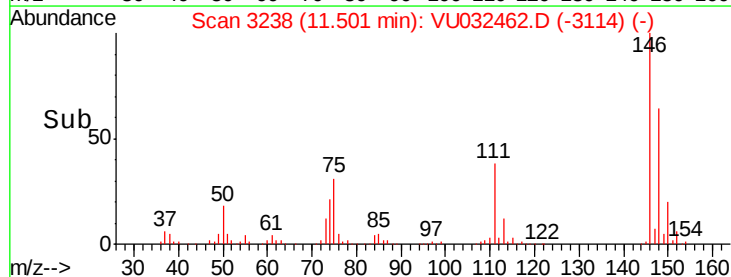
148 63.7 44.9 83.5

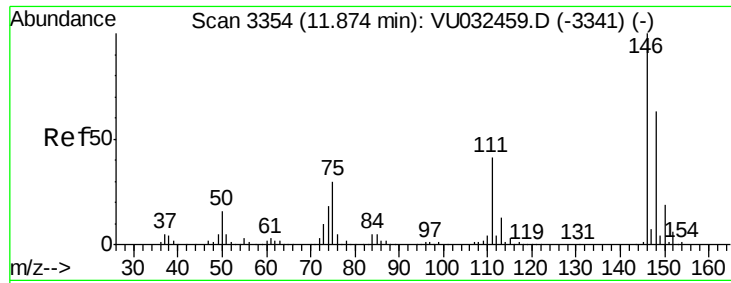


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

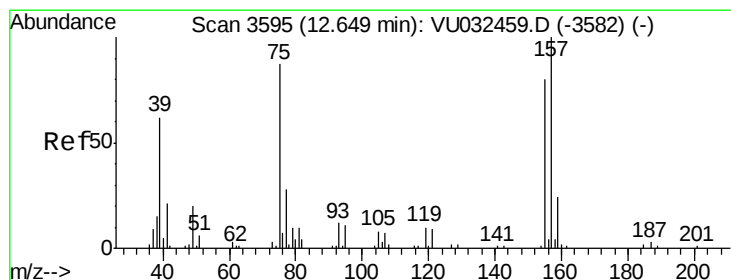
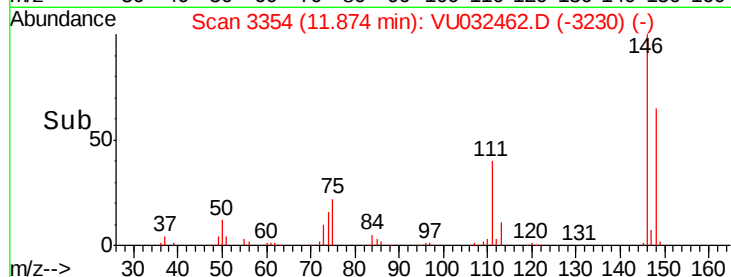
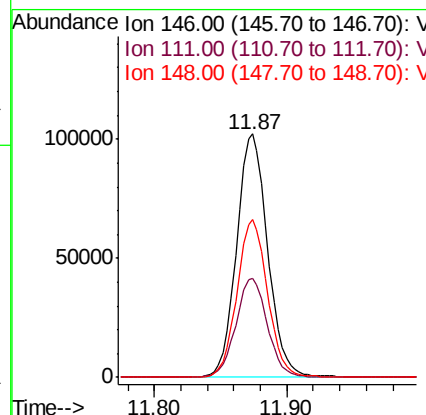
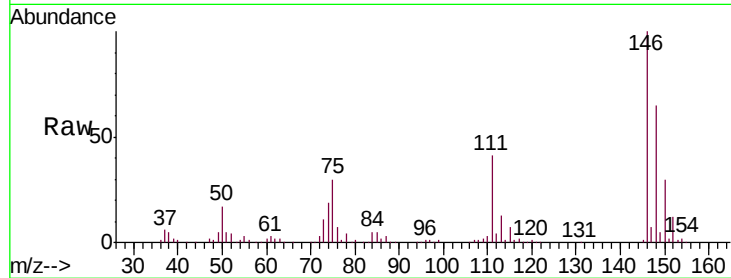




#65
 1,2-Dichlorobenzene
 Concen: 51.409 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

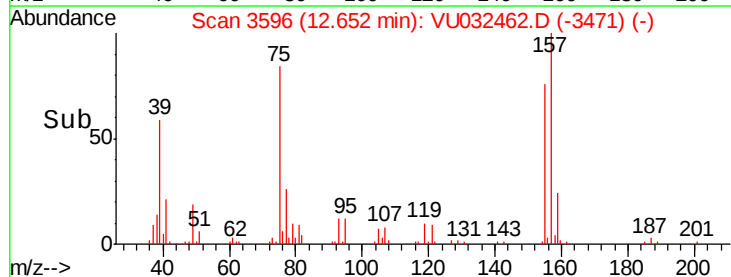
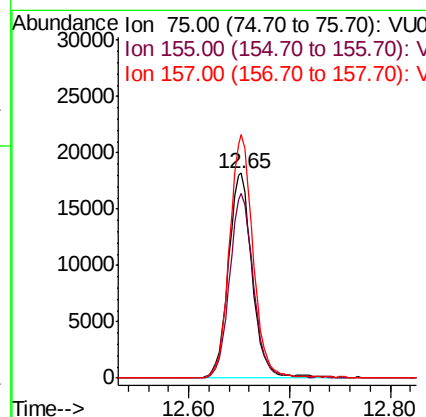
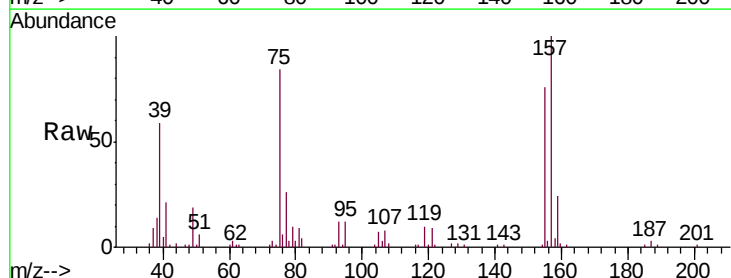
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

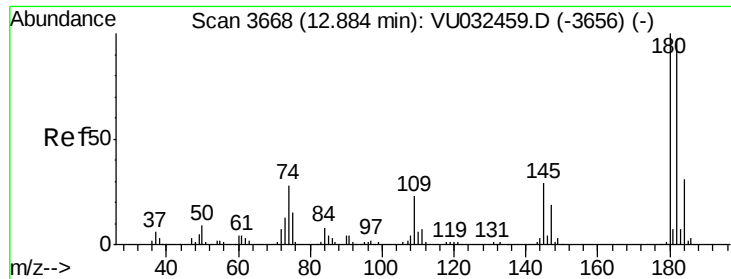
Tgt Ion: 146 Resp: 165978
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 48.8
 148 64.8 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.381 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion: 75 Resp: 30083
 Ion Ratio Lower Upper
 75 100
 155 90.0 73.1 109.7
 157 118.7 91.4 137.2

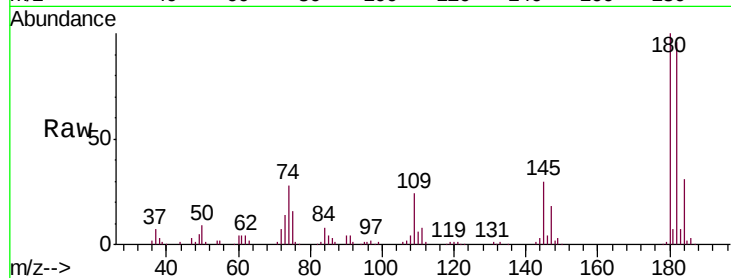




#67
 1,3,5-Trichlorobenzene
 Concen: 53.344 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV59

Tgt Ion:	180	Resp:	132534
Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.2	117.4
184	30.5	24.2	36.2
145	29.5	23.9	35.9



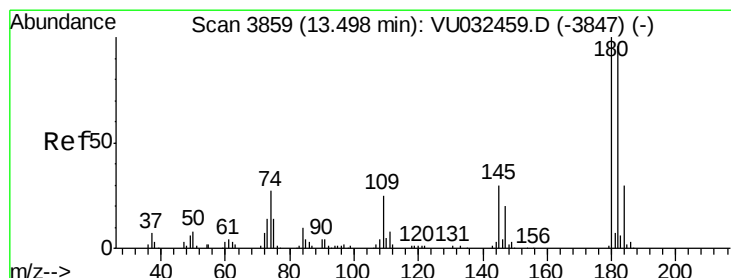
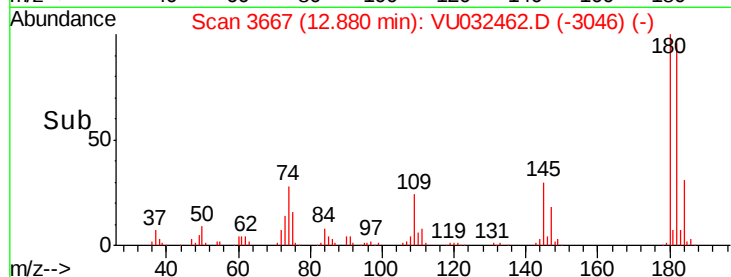
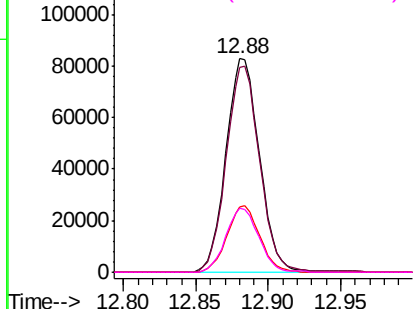
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

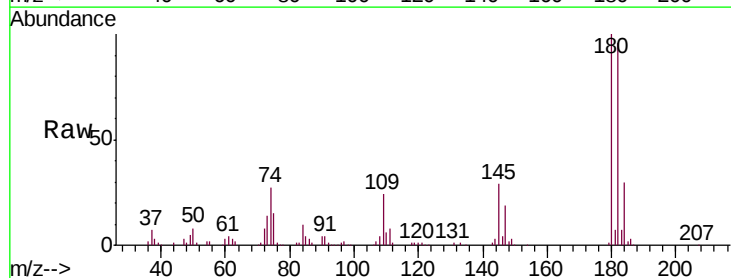
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 58.916 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032462.D
 Acq: 05 Jun 2019 15:29

Tgt Ion:	180	Resp:	124007
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
145	29.2	23.8	35.6

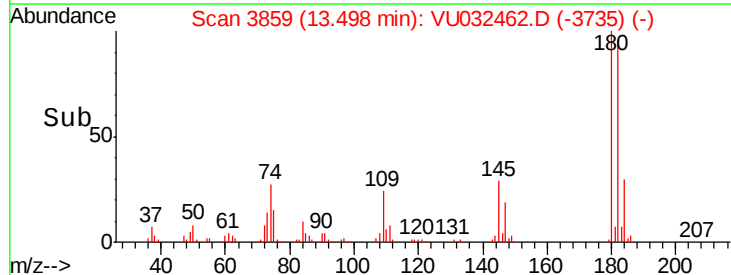
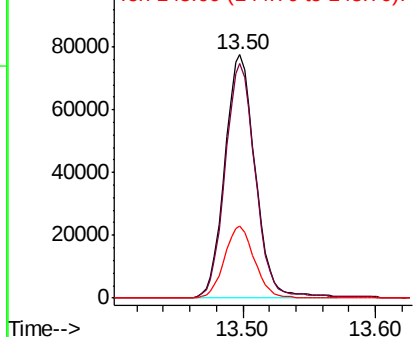


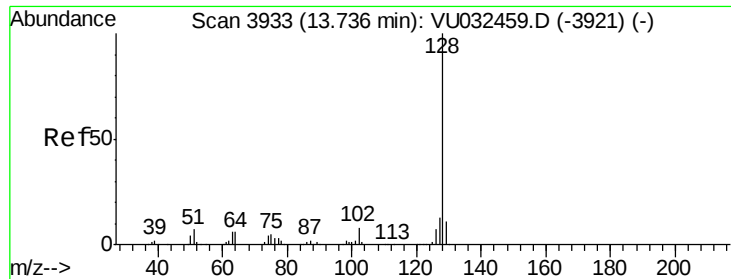
Abundance

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





#69

Naphthalene

Concen: 62.048 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

VICV59

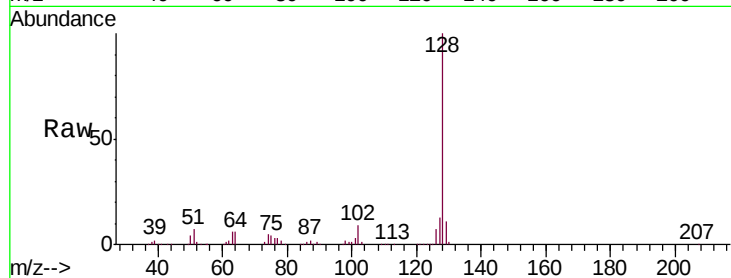
Tgt Ion:128 Resp: 411945

Ion Ratio Lower Upper

128 100

127 12.7 10.4 15.6

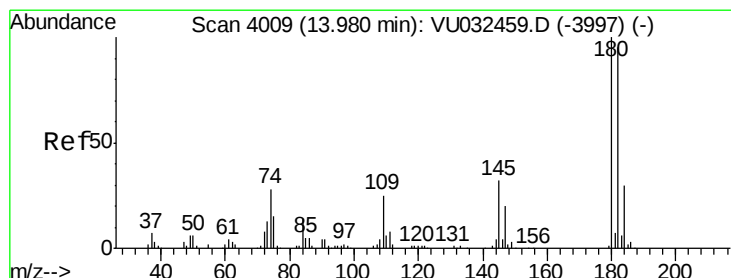
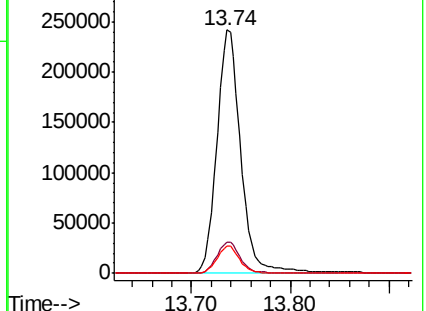
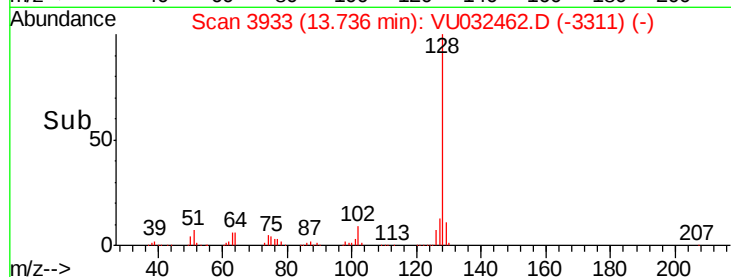
129 10.9 8.5 12.7



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: 57.354 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032462.D

Acq: 05 Jun 2019 15:29

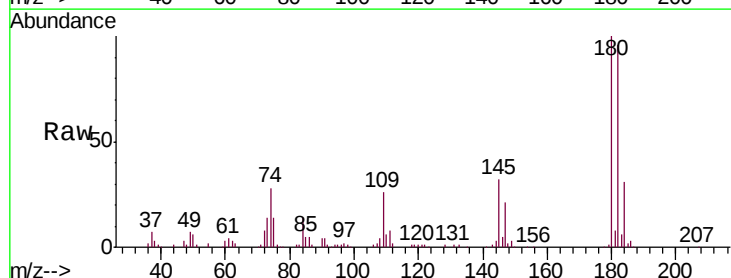
Tgt Ion:180 Resp: 125637

Ion Ratio Lower Upper

180 100

182 96.6 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

