

Data File : VU032460.D
Acq On : 05 Jun 2019 14:43
Operator : JC/SP
Sample : VSTD10057
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Quant Time: Jun 06 02:07:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 06 02:03:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	210153	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	201643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	109094	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	137646	91.18	ug/L	0.00
7) Chloroethane-d5	1.67	69	111540	91.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	271642	98.98	ug/L	0.00
21) 2-Butanone-d5	4.17	46	246869	235.51	ug/L	0.00
24) Chloroform-d	4.64	84	259649	96.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	164339	102.87	ug/L	0.00
32) Benzene-d6	5.33	84	519039	98.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	164277	99.91	ug/L	0.00
41) Toluene-d8	7.56	98	499270	101.07	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	84556	110.75	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	178252	248.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	250009	99.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	210745	95.77	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	189393	112.844	ug/L	100
3) Chloromethane	1.32	50	183138	104.307	ug/L	99
5) Vinyl chloride	1.40	62	183599	103.809	ug/L	99
6) Bromomethane	1.61	94	109636	97.649	ug/L	99
8) Chloroethane	1.68	64	106619	99.682	ug/L	98
9) Trichlorofluoromethane	1.88	101	248499	110.441	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	128686	97.487	ug/L	98
12) 1,1-Dichloroethene	2.28	96	128165	96.029	ug/L	85
13) Acetone	2.32	43	231175	229.330	ug/L	100
14) Carbon disulfide	2.47	76	385352	95.836	ug/L	99
15) Methyl Acetate	2.61	43	174463	110.610	ug/L	97
16) Methylene chloride	2.69	84	145973	93.768	ug/L	98
17) trans-1,2-Dichloroethene	2.97	96	136941	98.569	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	449375	105.411	ug/L	100
19) 1,1-Dichloroethane	3.44	63	250637	99.007	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	154184	98.871	ug/L	94
22) 2-Butanone	4.25	43	294056	243.785	ug/L	99
23) Bromochloromethane	4.54	128	81050	98.408	ug/L	96
25) Chloroform	4.67	83	258657	98.639	ug/L	97
27) 1,2-Dichloroethane	5.40	62	204949	104.075	ug/L	100
29) Cyclohexane	4.99	56	238220	112.968	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	229810	106.386	ug/L	99
31) Carbon tetrachloride	5.13	117	209129	111.981	ug/L	99
33) Benzene	5.38	78	564155	99.774	ug/L	100
34) Trichloroethene	6.18	95	149979	102.273	ug/L	99
35) Methylcyclohexane	6.41	83	245905	109.198	ug/L	100
37) 1,2-Dichloropropane	6.42	63	148481	100.436	ug/L	100
38) Bromodichloromethane	6.75	83	197721	103.663	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	248582	112.378	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	509330	251.460	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	623755	101.471	ug/L	98
44) trans-1,3-Dichloropropene	7.87	75	222819	114.289	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	143491	99.289	ug/L	99
46) Tetrachloroethene	8.22	164	126298	105.180	ug/L	98
48) 2-Hexanone	8.36	43	421930	254.719	ug/L	99
49) Dibromochloromethane	8.47	129	173367	109.236	ug/L	98
50) 1,2-Dibromoethane	8.58	107	162522	105.734	ug/L	99
51) Chlorobenzene	9.11	112	402796	101.518	ug/L	99
52) Ethylbenzene	9.24	91	701545	106.394	ug/L	100
53) m,p-Xylene	9.37	106	268581	106.493	ug/L	100
54) o-xylene	9.77	106	262890	103.811	ug/L	100
55) Styrene	9.79	104	452947	106.891	ug/L	99
56) Isopropylbenzene	10.16	105	701804	108.395	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	253781	101.747	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	200244	101.684	ug/L	99
61) Bromoform	9.95	173	139087	100.293	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	334475	100.141	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	334992	98.300	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	336872	96.692	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	62660	107.920	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	269236	108.174	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	244476	124.174	ug/L	100
69) Naphthalene	13.74	128	797745	134.601	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	245912	117.483	ug/L	99

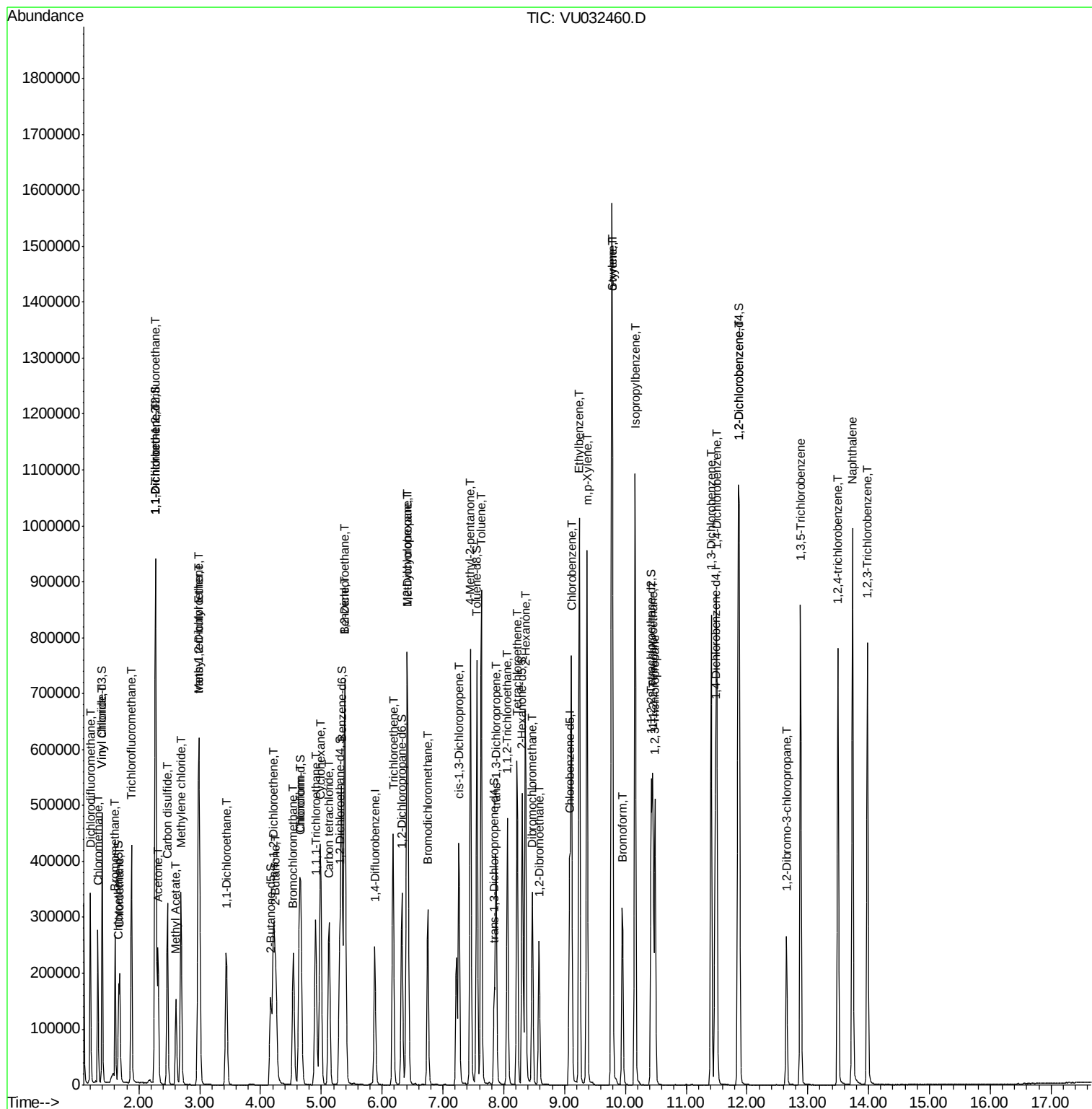
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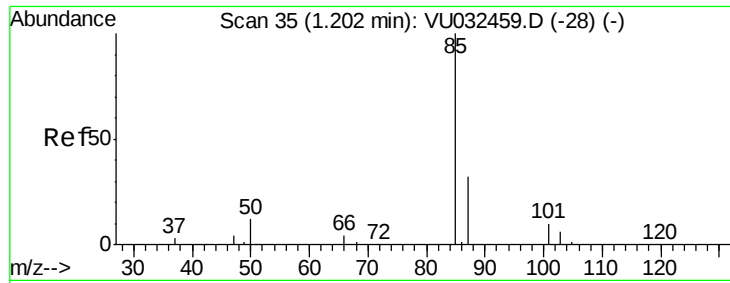
Data File : VU032460.D

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#2

Dichlorodifluoromethane

Concen: 112.844 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

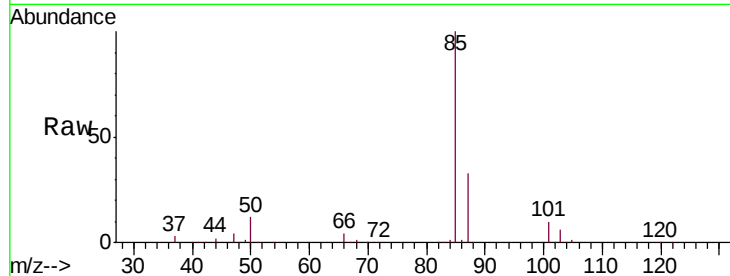
VSTD10057

Tgt Ion: 85 Resp: 189393

Ion Ratio Lower Upper

85 100

87 32.8 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

200000

150000

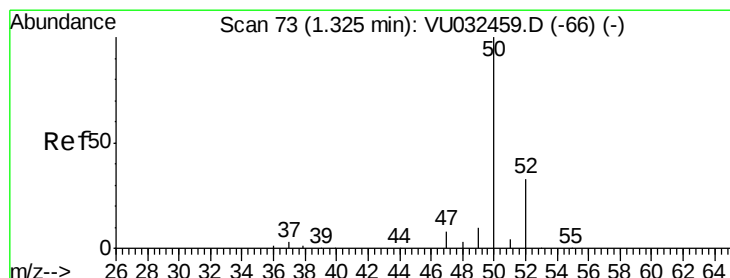
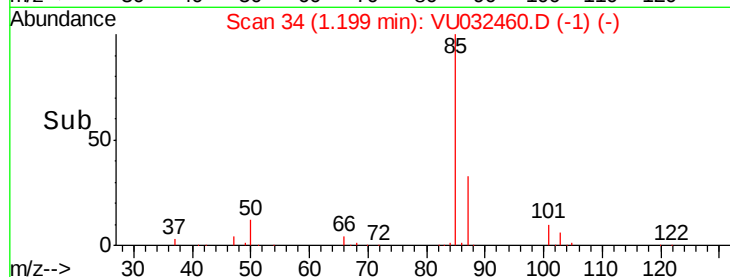
100000

50000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 104.307 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032460.D

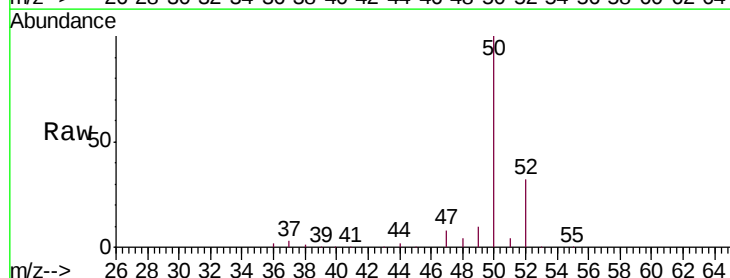
Acq: 05 Jun 2019 14:43

Tgt Ion: 50 Resp: 183138

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

200000

150000

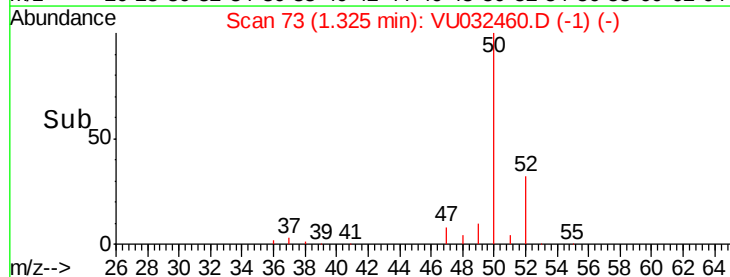
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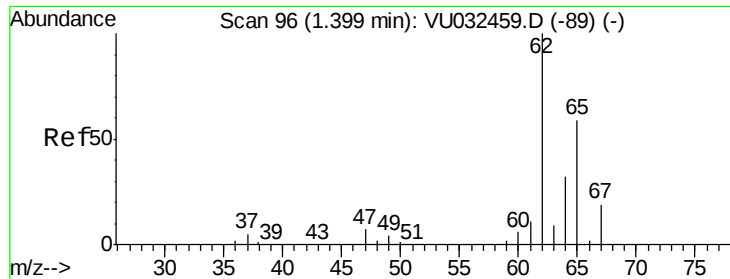
50000

0

1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 103.809 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

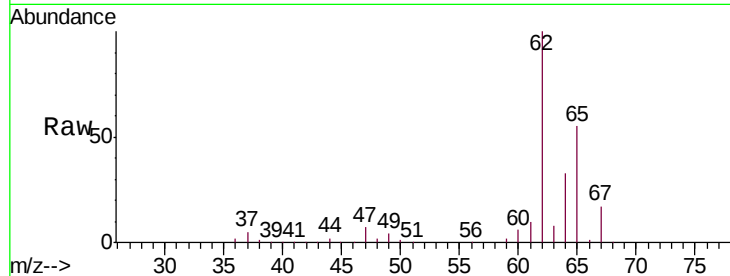
VSTD10057

Tgt Ion: 62 Resp: 183599

Ion Ratio Lower Upper

62 100

64 32.9 22.6 42.0



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

Ion 64.00 (63.70 to 64.70): VU032460.D (-3) (-)

1.40

150000

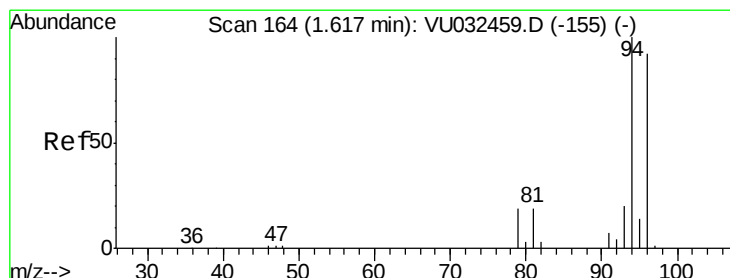
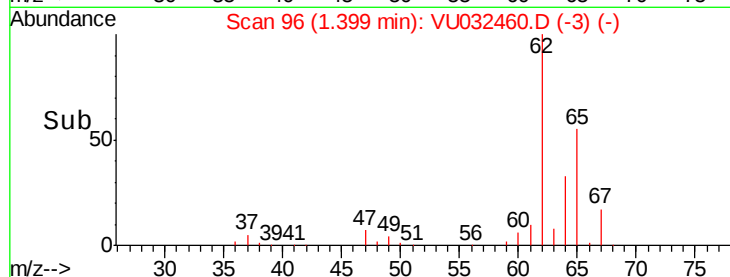
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 97.649 ug/L

RT: 1.61 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU032460.D

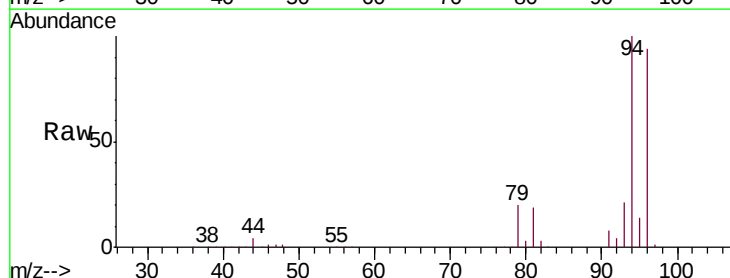
Acq: 05 Jun 2019 14:43

Tgt Ion: 94 Resp: 109636

Ion Ratio Lower Upper

94 100

96 93.5 64.7 120.1



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

Ion 96.00 (95.70 to 96.70): VU032460.D (-71) (-)

1.61

100000

80000

60000

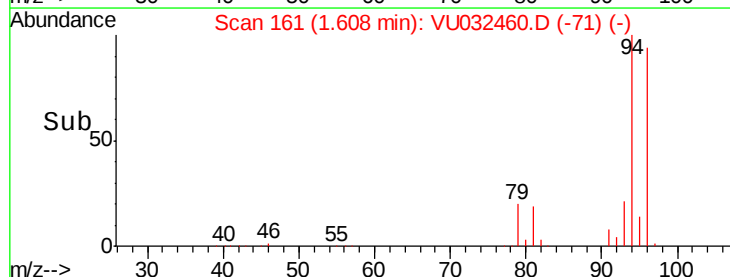
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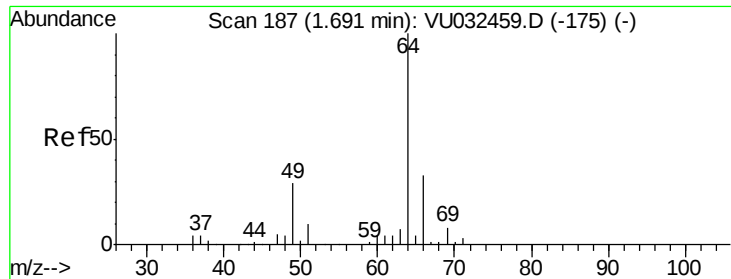
20000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 99.682 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

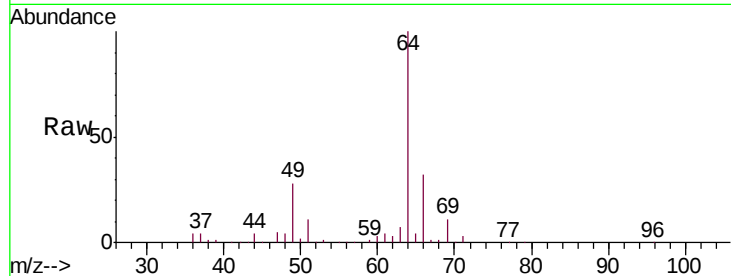
VSTD10057

Tgt Ion: 64 Resp: 106619

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) (-)

1.68

80000

60000

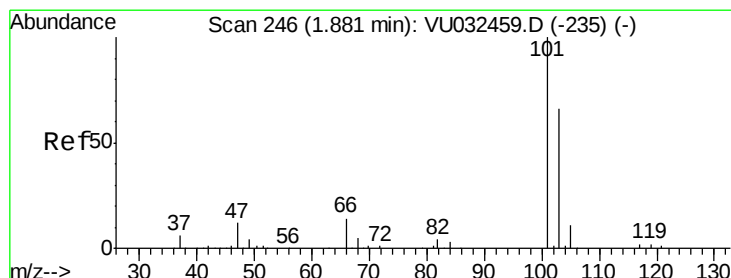
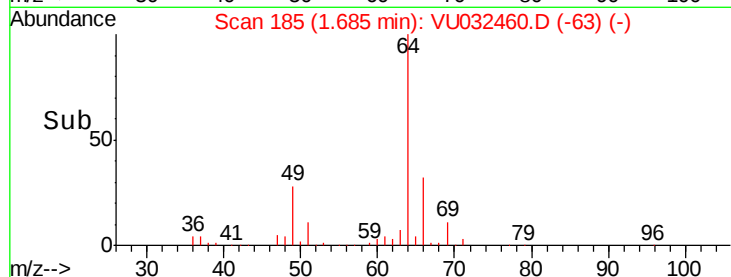
40000

20000

0

Time-->

1.60 1.65 1.70 1.75



#9

Trichlorofluoromethane

Concen: 110.441 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU032460.D

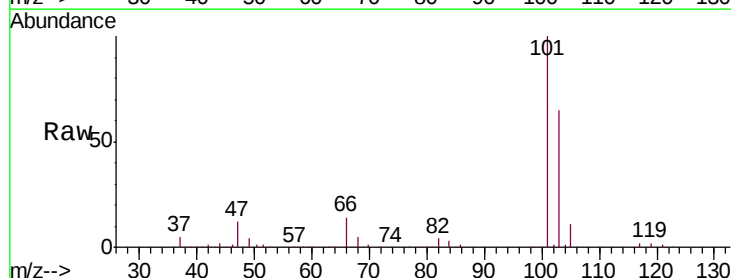
Acq: 05 Jun 2019 14:43

Tgt Ion: 101 Resp: 248499

Ion Ratio Lower Upper

101 100

103 64.5 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

200000

150000

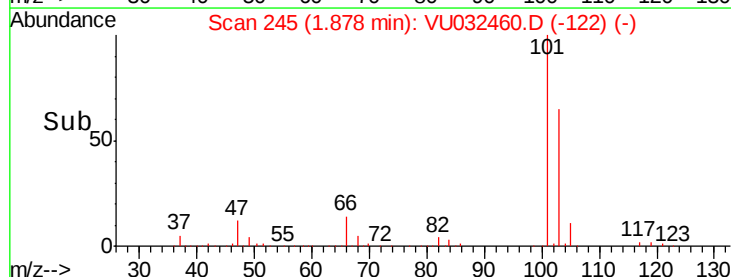
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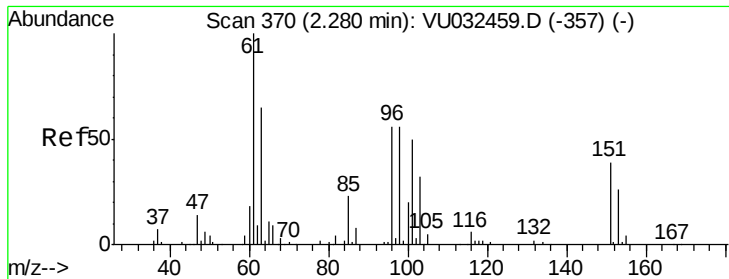
50000

0

Time-->

1.80 1.85 1.90 1.95





#10

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

Concen: 97.487 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

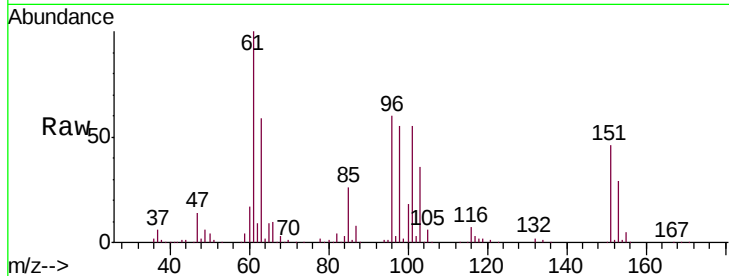
Tgt Ion: 101 Resp: 128686

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

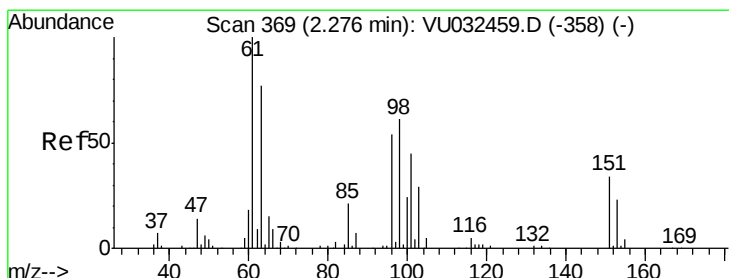
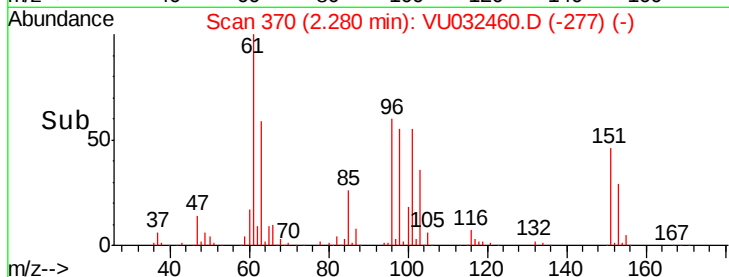
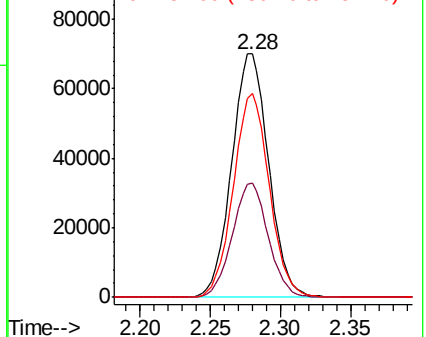
151 81.4 63.0 94.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 96.029 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

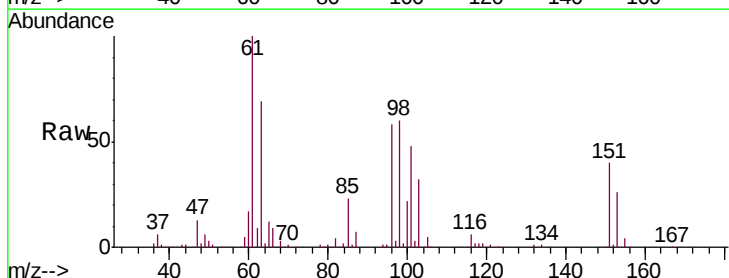
Tgt Ion: 96 Resp: 128165

Ion Ratio Lower Upper

96 100

61 171.9 129.5 240.5

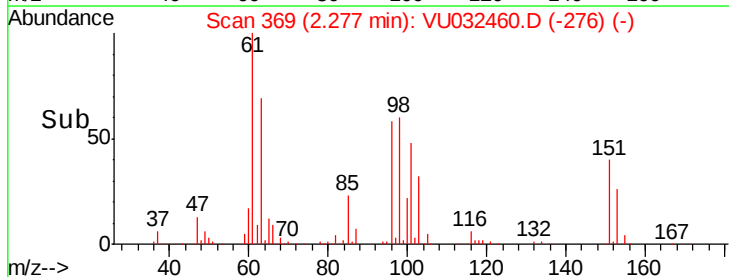
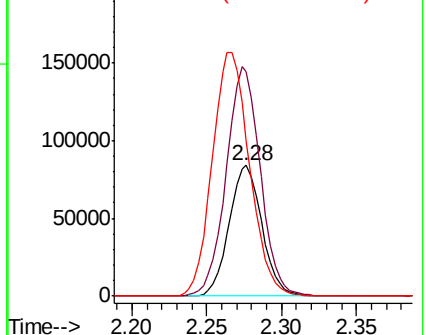
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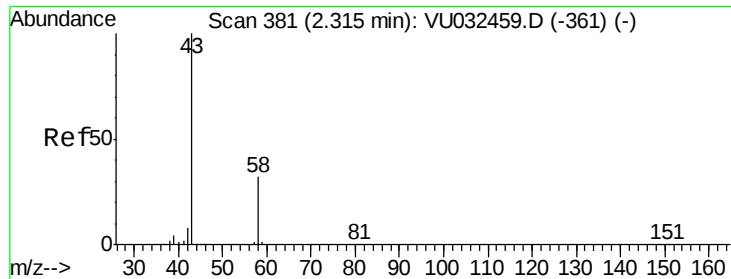


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 229.330 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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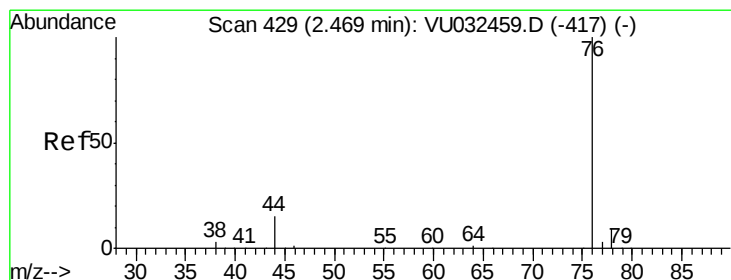
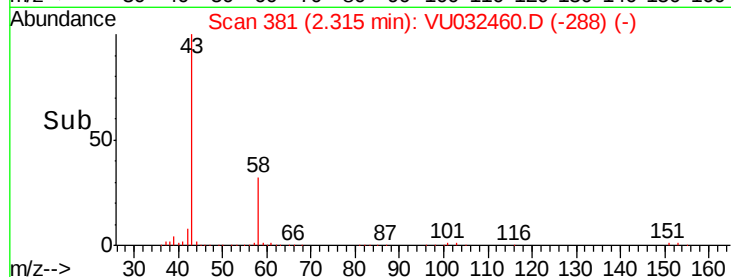
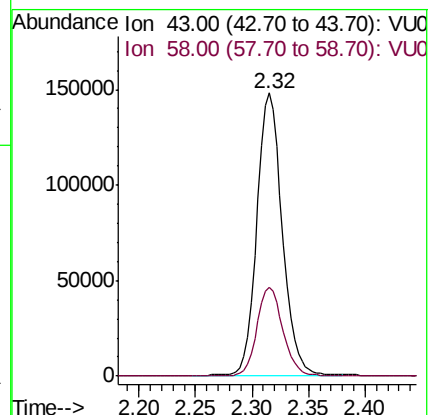
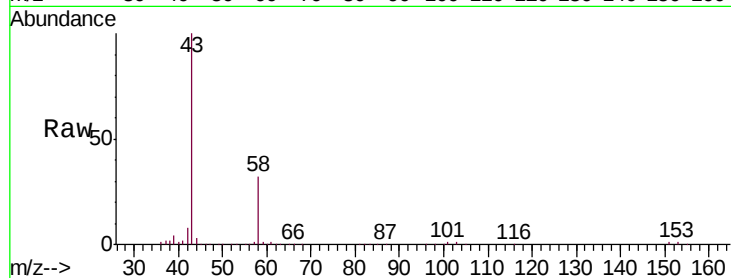
VSTD10057

Tgt Ion: 43 Resp: 231175

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.0



#14

Carbon disulfide

Concen: 95.836 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.00 min

Lab File: VU032460.D

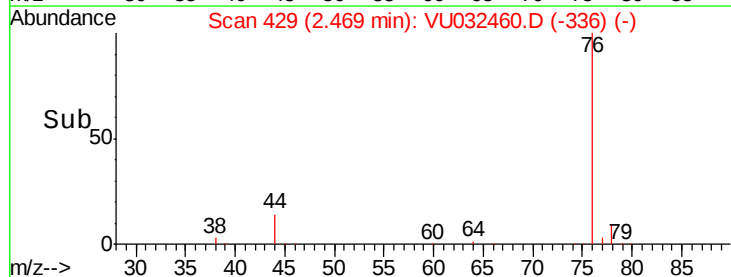
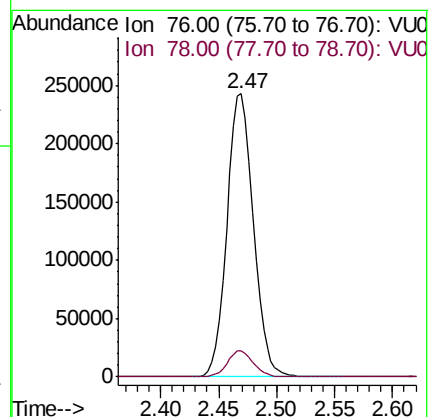
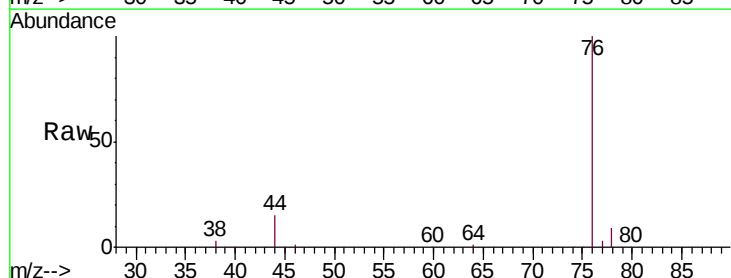
Acq: 05 Jun 2019 14:43

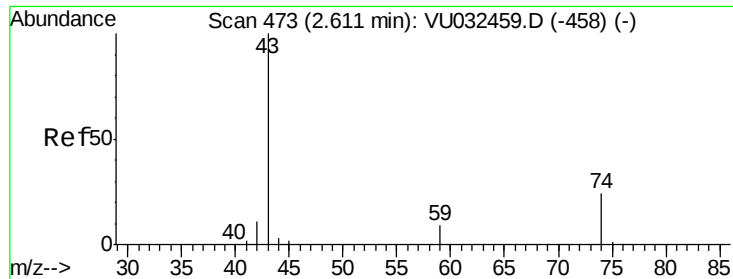
Tgt Ion: 76 Resp: 385352

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

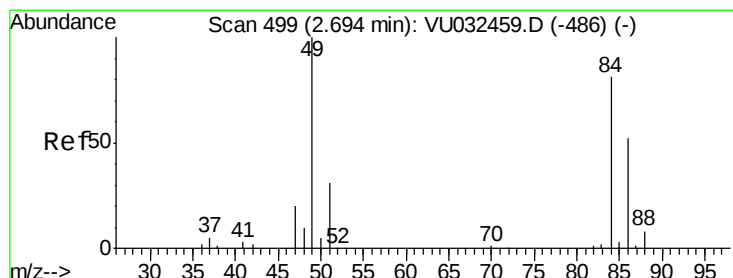
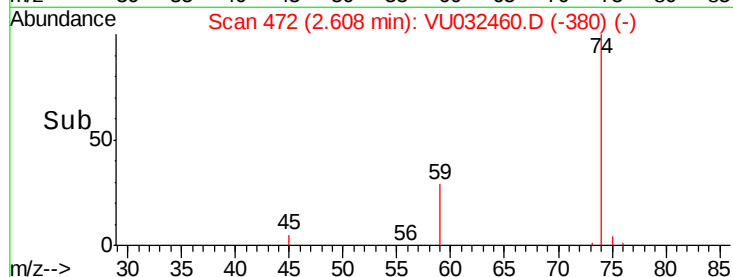
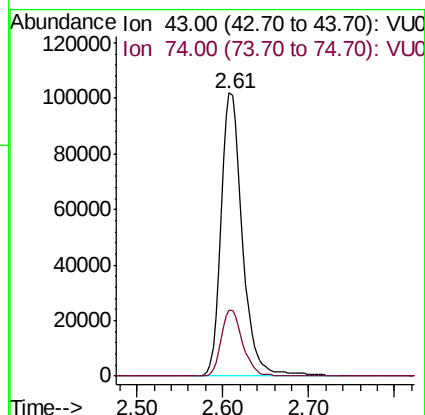
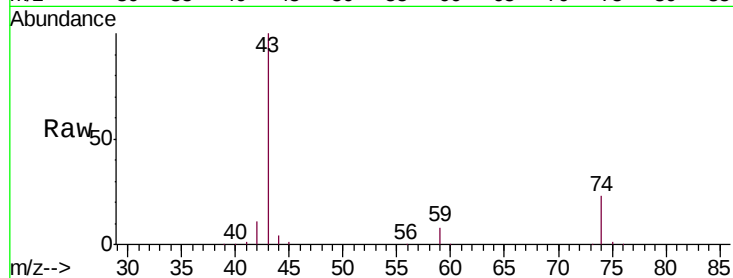




#15
Methyl Acetate
Concen: 110.610 ug/L
RT: 2.61 min Scan# 472
Delta R.T. -0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

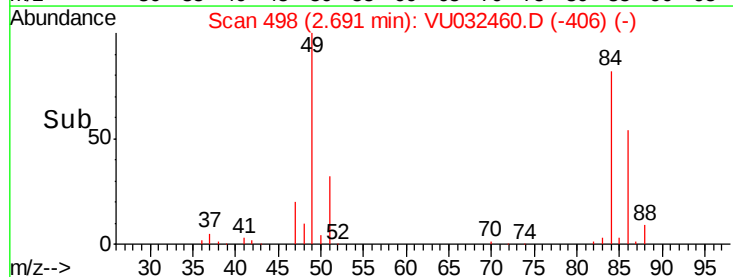
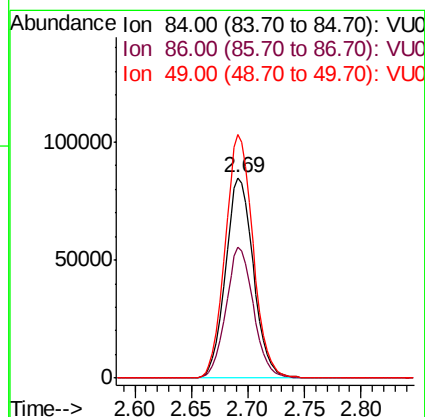
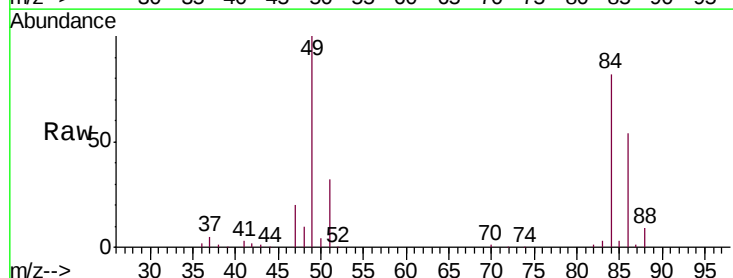
Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

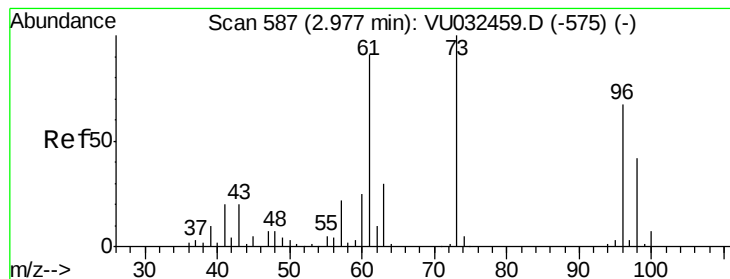
Tgt Ion: 43 Resp: 174463
Ion Ratio Lower Upper
43 100
74 23.8 18.0 27.0



#16
Methylene chloride
Concen: 93.768 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Tgt Ion: 84 Resp: 145973
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 121.4 86.1 159.9





#17

trans-1,2-Dichloroethene

Concen: 98.569 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

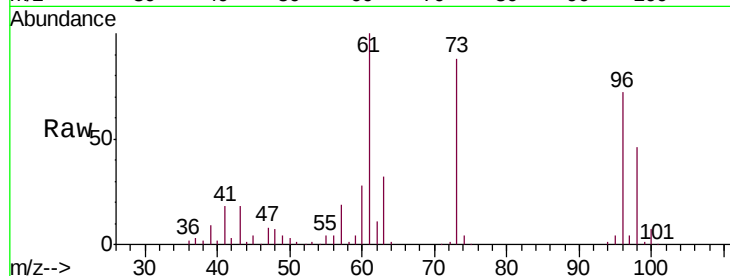
Tgt Ion: 96 Resp: 136941

Ion Ratio Lower Upper

96 100

61 138.8 95.7 177.7

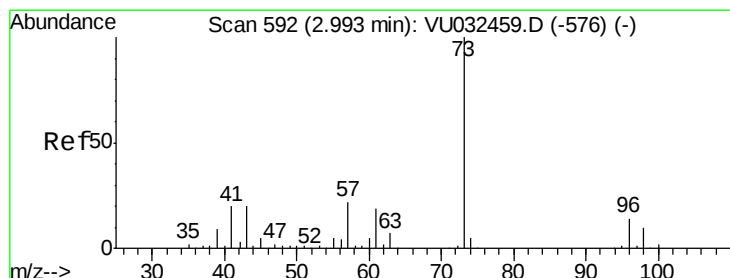
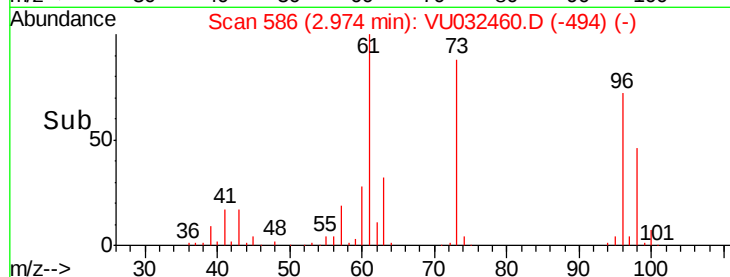
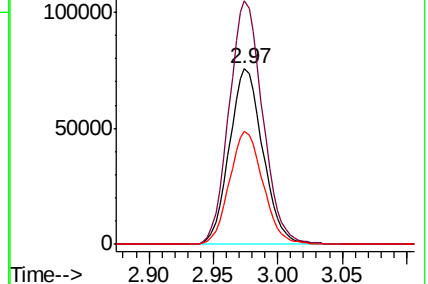
98 64.1 44.0 81.6



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: 105.411 ug/L

RT: 2.99 min Scan# 591

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

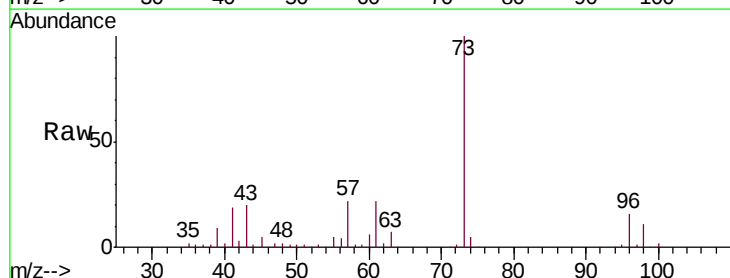
Tgt Ion: 73 Resp: 449375

Ion Ratio Lower Upper

73 100

43 19.7 15.8 23.6

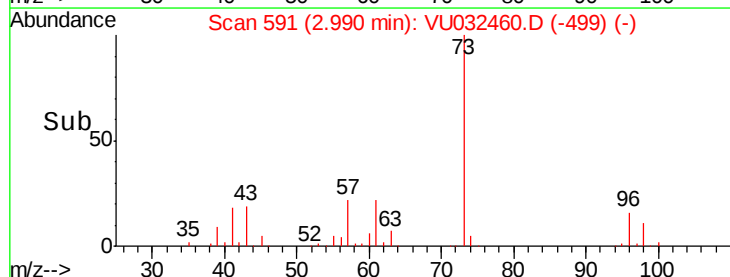
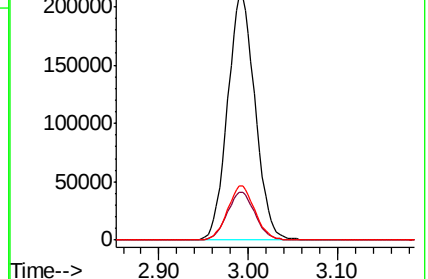
57 21.9 17.6 26.4

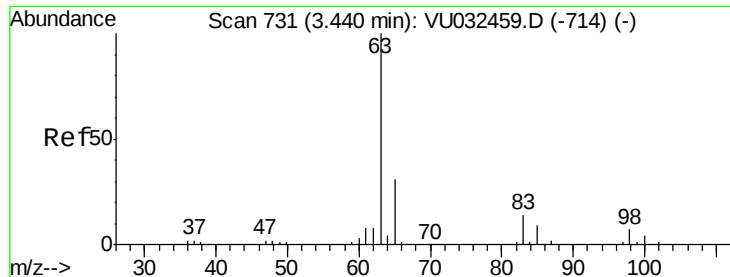


Abundance Ion 73.00 (72.70 to 73.70): VU032459.D (-576) (-)

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

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

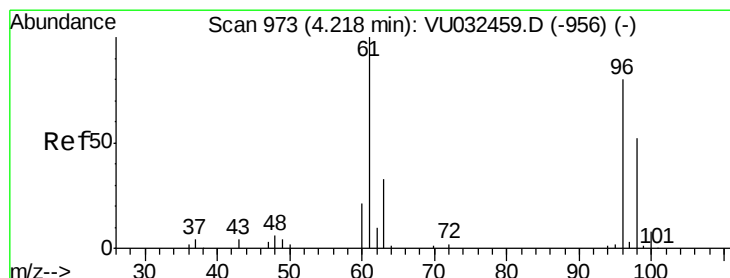
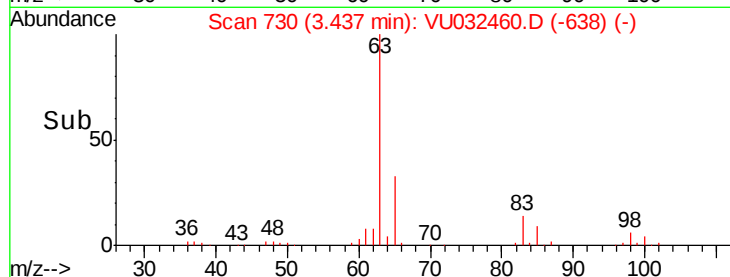
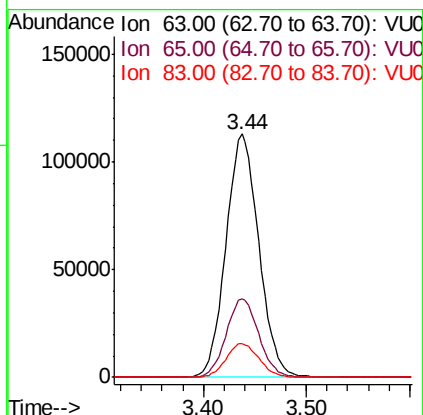
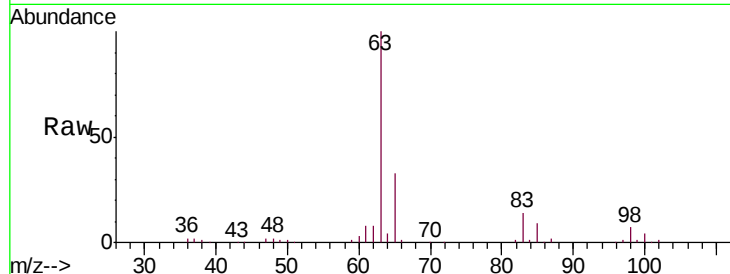




#19
 1,1-Dichloroethane
 Concen: 99.007 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

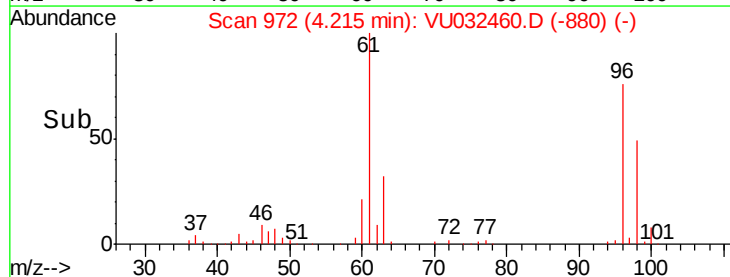
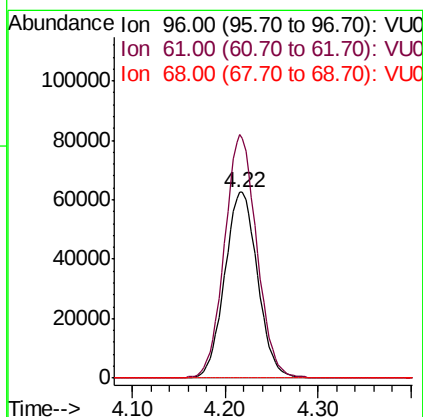
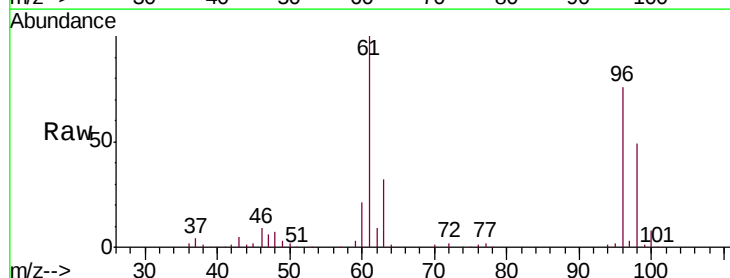
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD10057

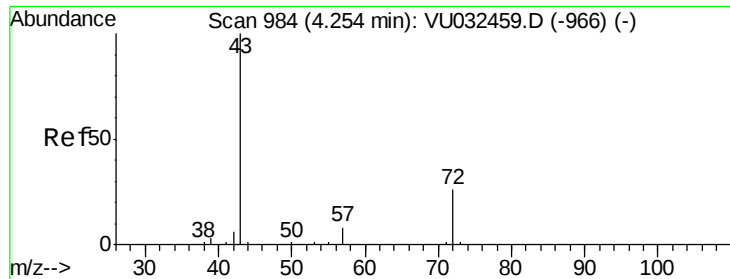
Tgt Ion: 63 Resp: 250637
 Ion Ratio Lower Upper
 63 100
 65 32.5 21.8 40.6
 83 13.9 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 98.871 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion: 96 Resp: 154184
 Ion Ratio Lower Upper
 96 100
 61 131.1 87.2 162.0
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 243.785 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

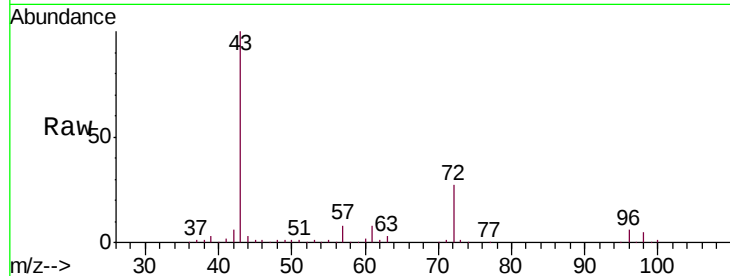
VSTD10057

Tgt Ion: 43 Resp: 294056

Ion Ratio Lower Upper

43 100

72 26.8 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

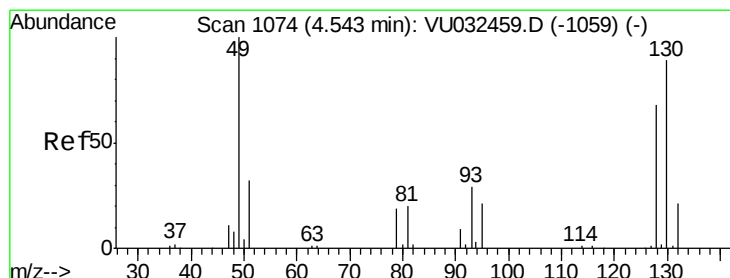
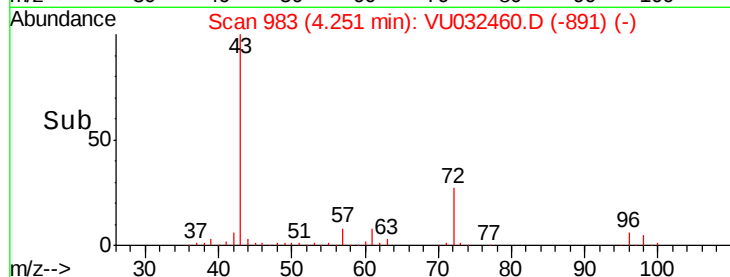
100000

50000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 98.408 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Tgt Ion: 128 Resp: 81050

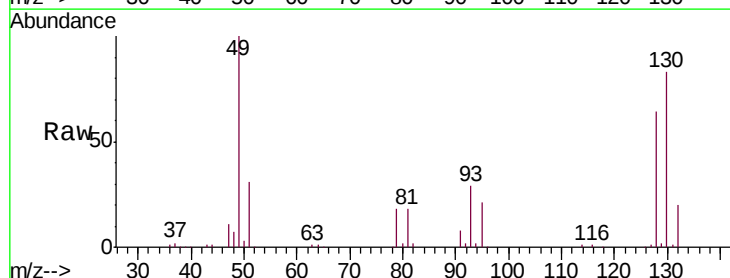
Ion Ratio Lower Upper

128 100

49 157.4 103.7 192.5

130 130.3 92.2 171.2

51 48.2 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) (-)

80000

60000

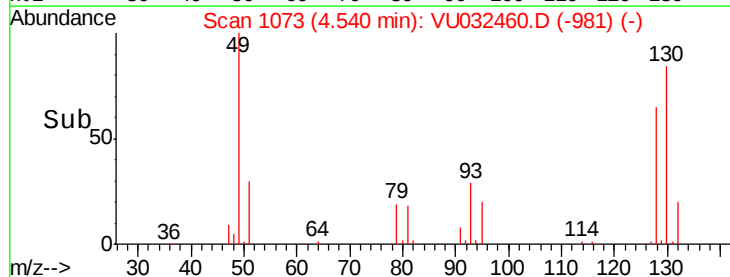
40000

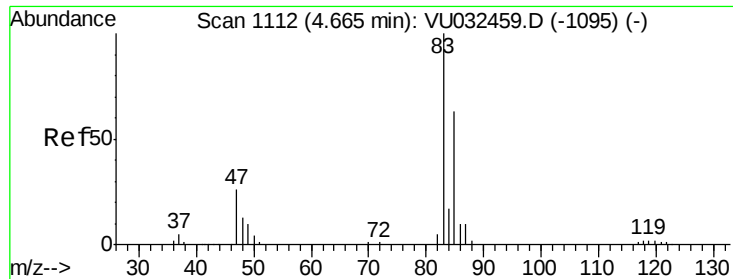
20000

0

4.50 4.60

Time-->

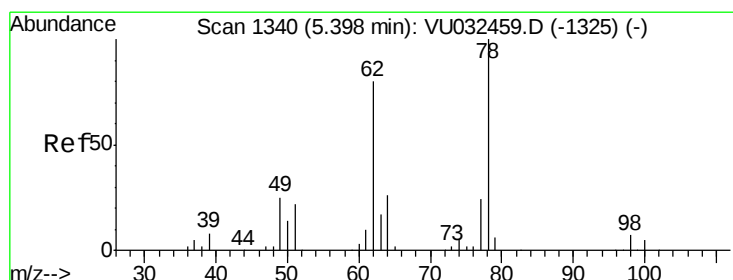
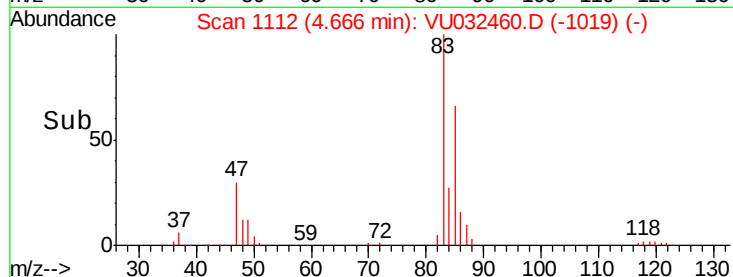
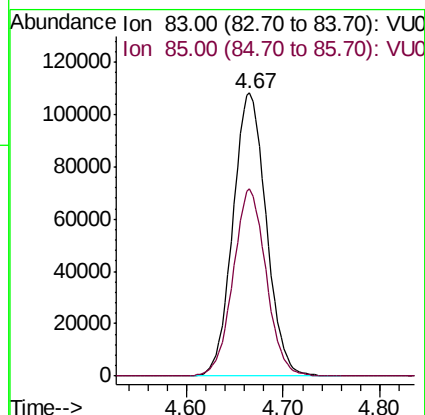
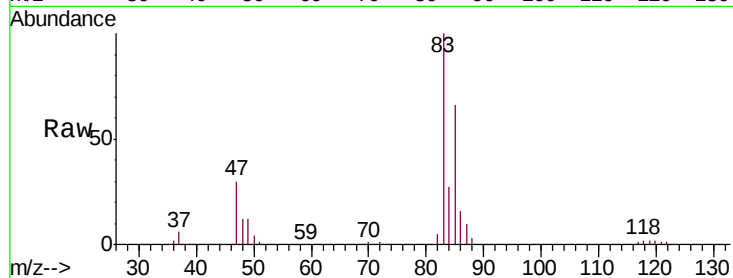




#25
Chloroform
Concen: 98.639 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

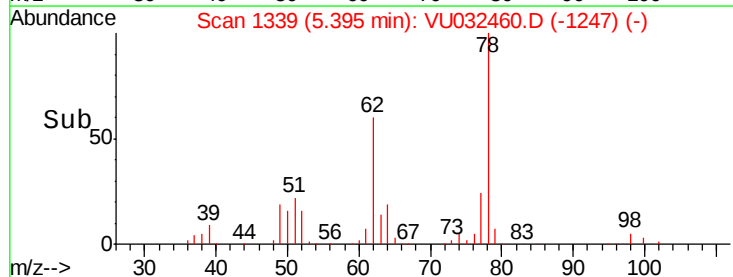
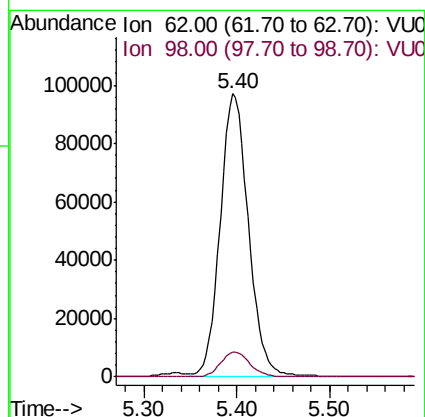
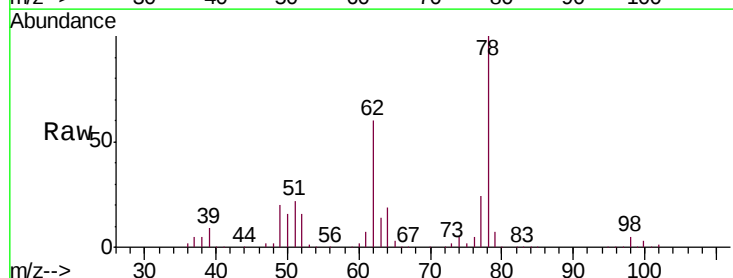
Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

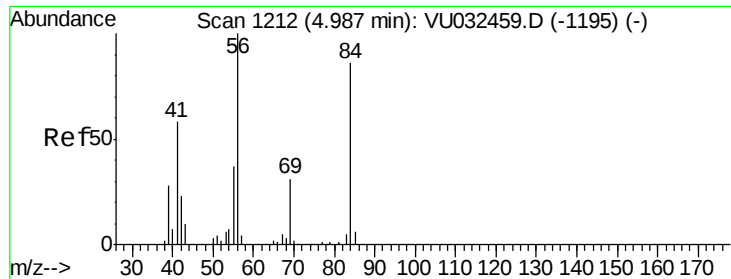
Tgt Ion: 83 Resp: 258657
Ion Ratio Lower Upper
83 100
85 66.3 44.7 82.9



#27
1,2-Dichloroethane
Concen: 104.075 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Tgt Ion: 62 Resp: 204949
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8

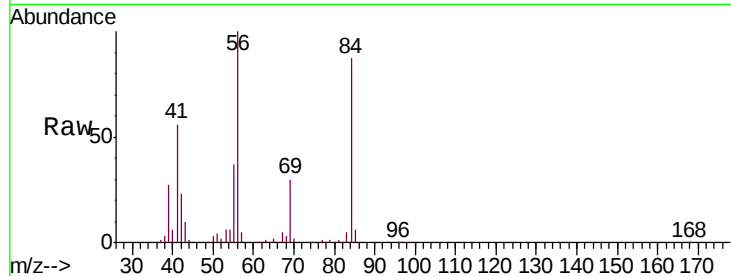




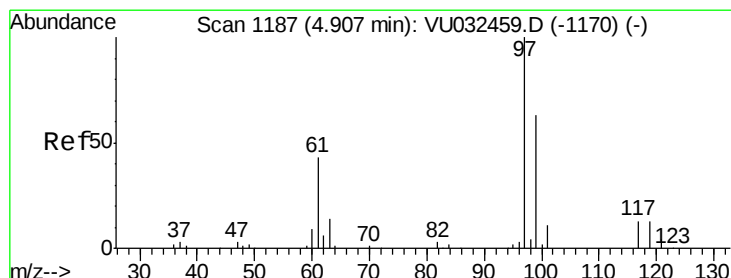
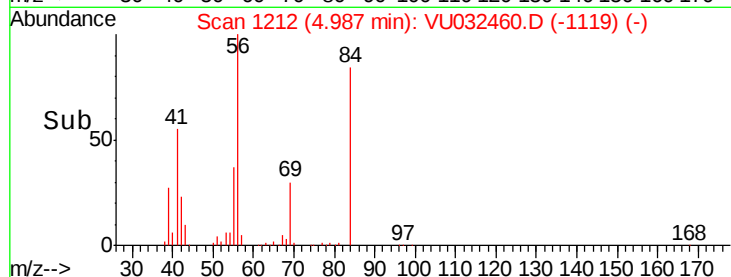
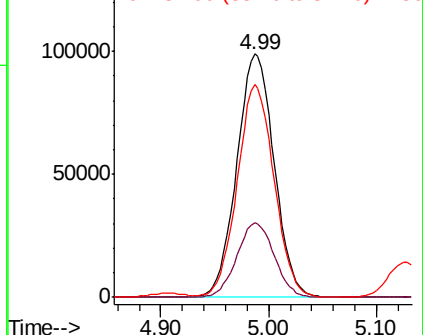
#29
Cyclohexane
Concen: 112.968 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Instrument :
MSVOA_U
ClientSampled :
VSTD10057

Tgt Ion: 56 Resp: 238220
Ion Ratio Lower Upper
56 100
69 30.7 24.7 37.1
84 86.5 69.0 103.4

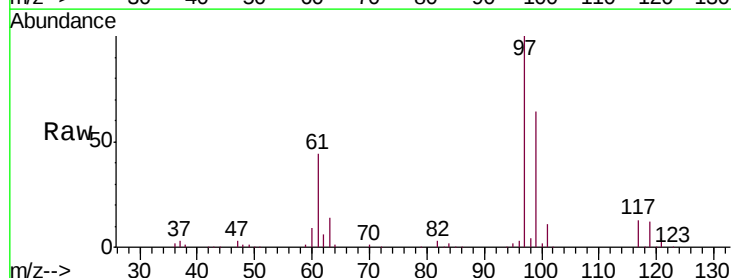


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

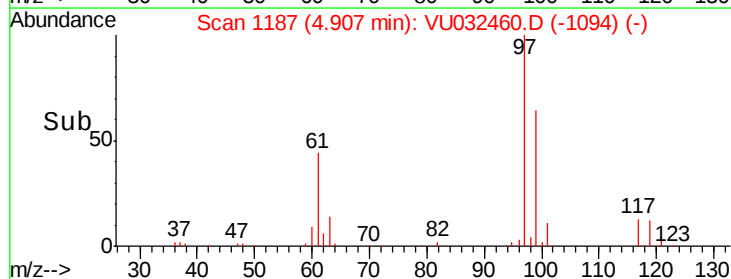
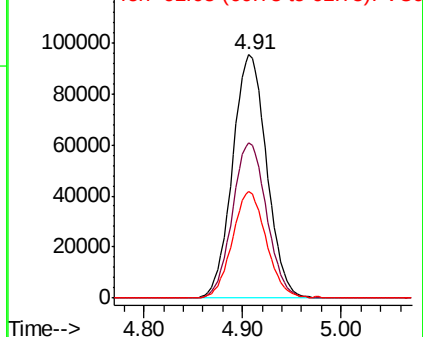


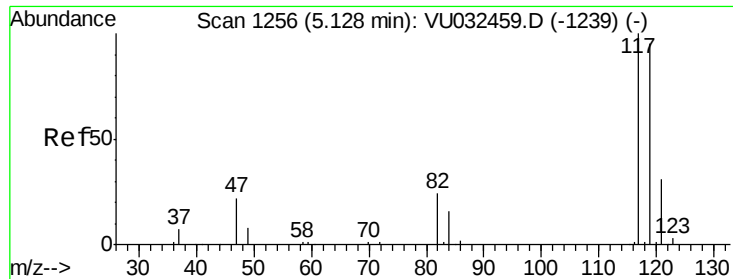
#30
1,1,1-Trichloroethane
Concen: 106.386 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Tgt Ion: 97 Resp: 229810
Ion Ratio Lower Upper
97 100
99 63.8 50.5 75.7
61 43.4 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

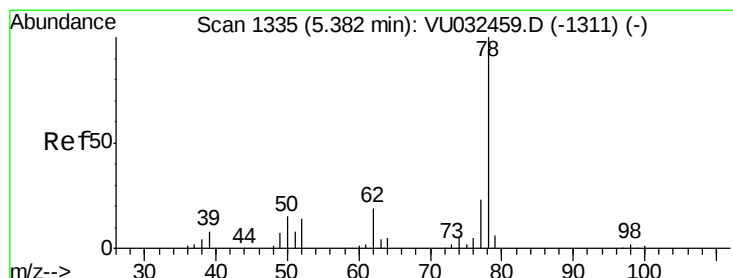
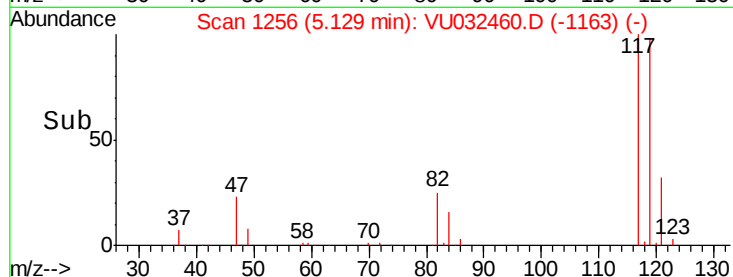
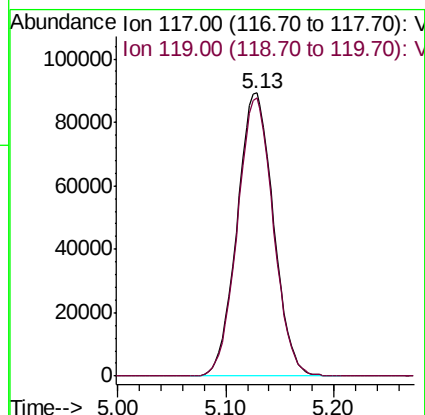
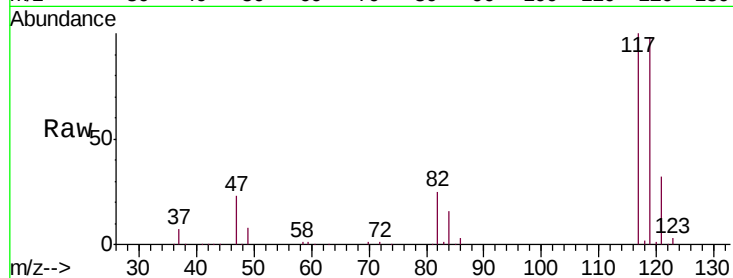




#31
Carbon tetrachloride
Concen: 111.981 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

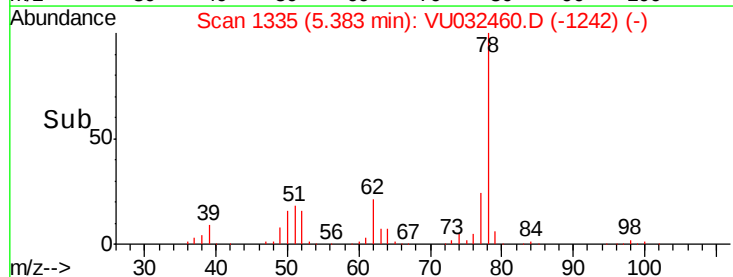
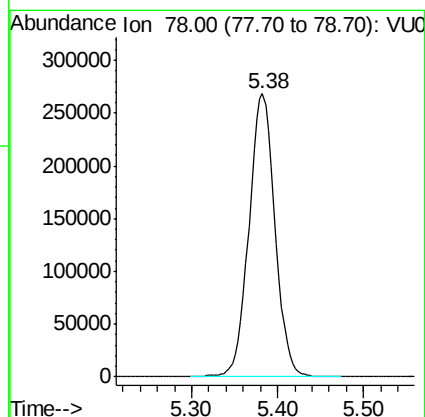
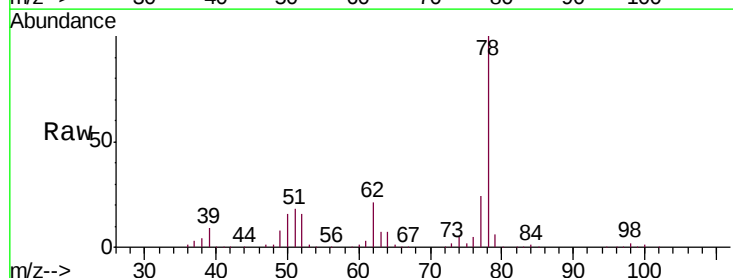
Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

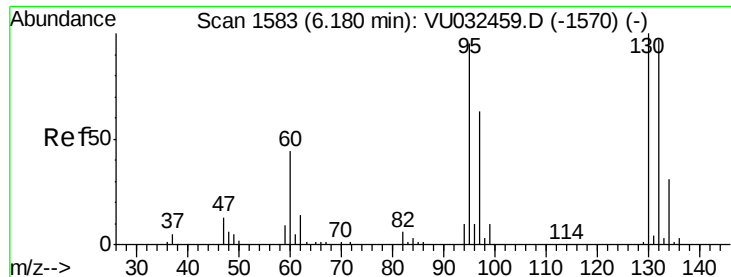
Tgt Ion:117 Resp: 209129
Ion Ratio Lower Upper
117 100
119 97.1 76.6 114.8



#33
Benzene
Concen: 99.774 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Tgt Ion: 78 Resp: 564155

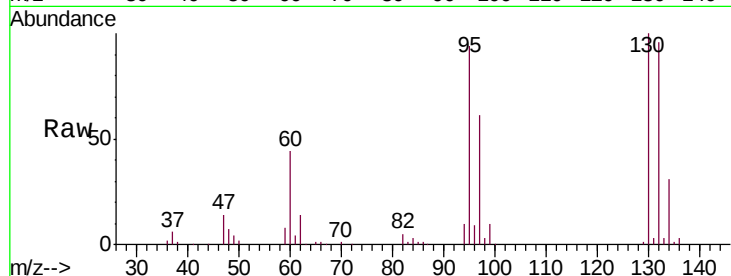




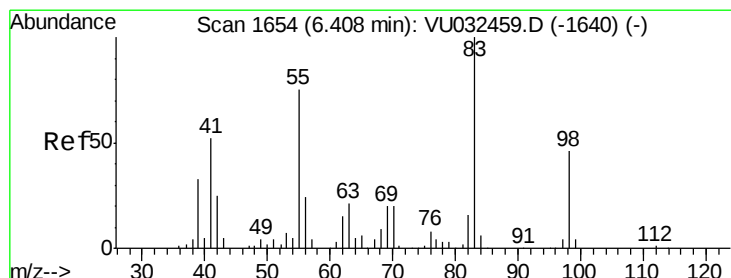
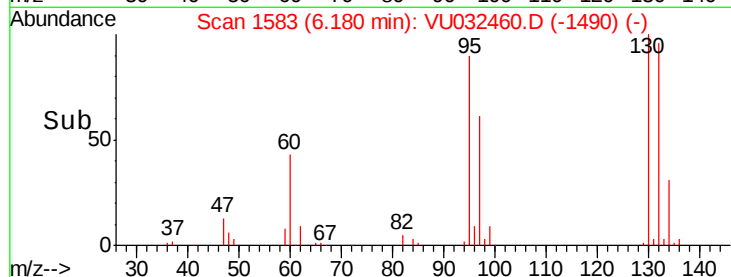
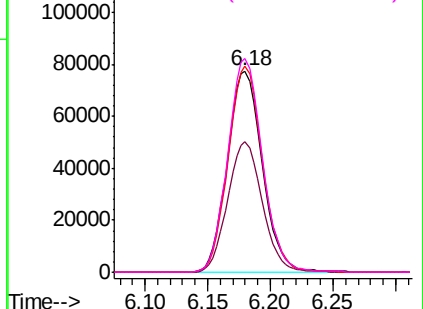
#34
 Trichloroethene
 Concen: 102.273 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Tgt Ion: 95 Resp: 149979
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.8 85.2
 132 102.3 71.0 131.8
 130 106.2 73.4 136.2

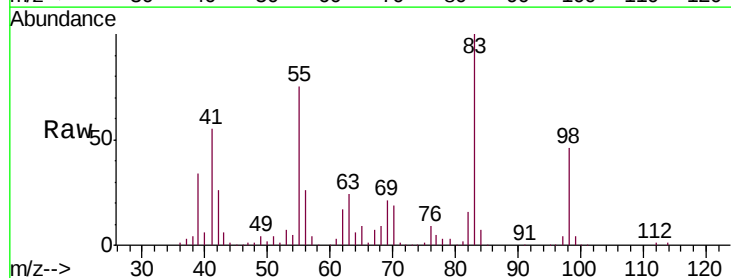


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

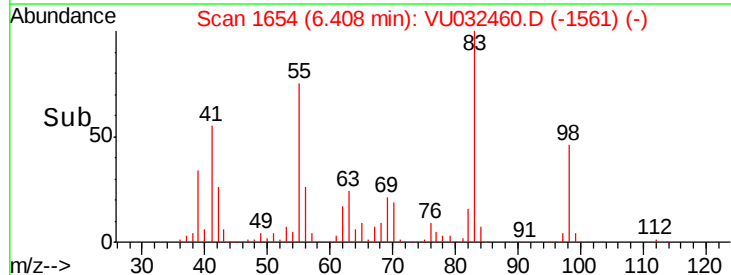
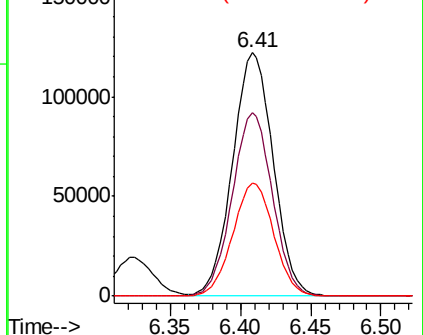


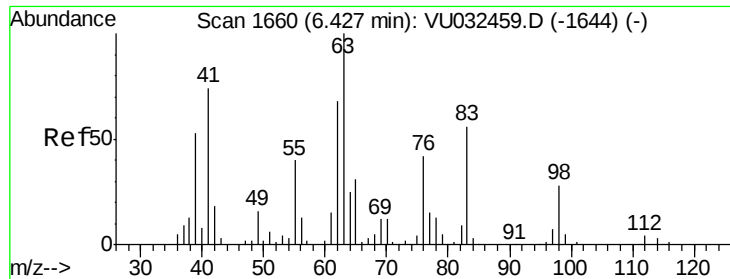
#35
 Methylcyclohexane
 Concen: 109.198 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion: 83 Resp: 245905
 Ion Ratio Lower Upper
 83 100
 55 74.8 60.2 90.4
 98 46.9 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

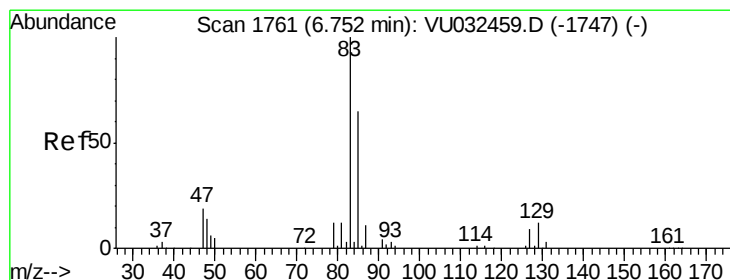
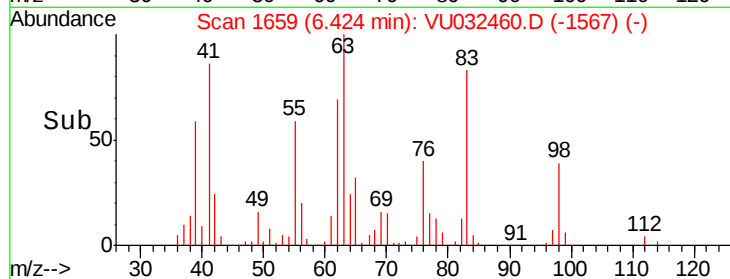
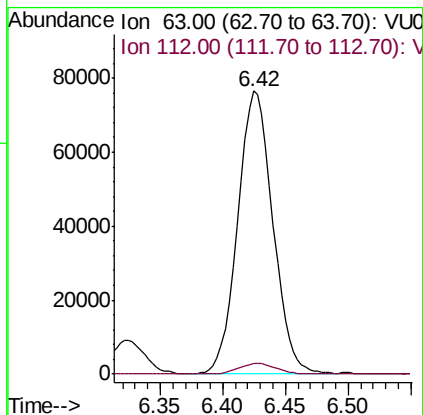
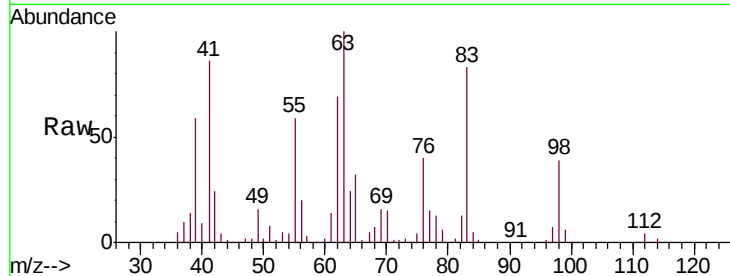




#37
 1,2-Dichloropropane
 Concen: 100.436 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

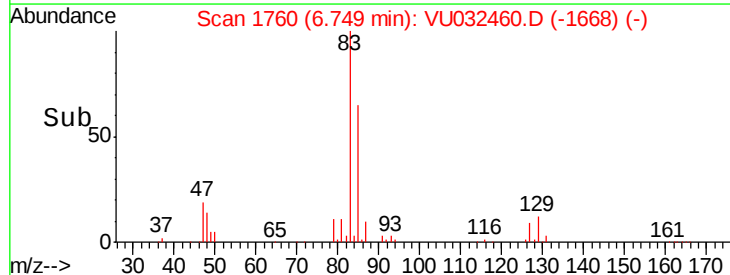
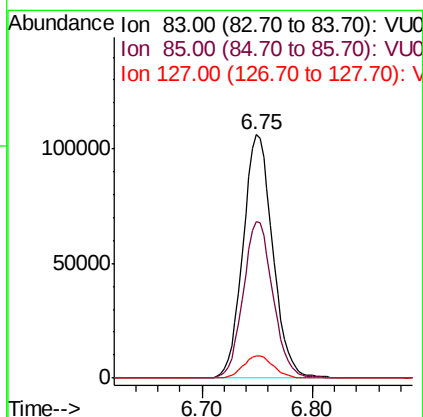
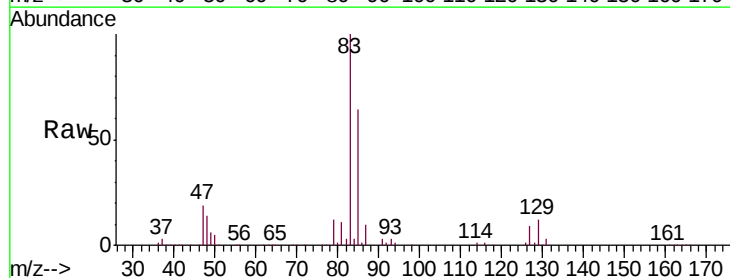
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

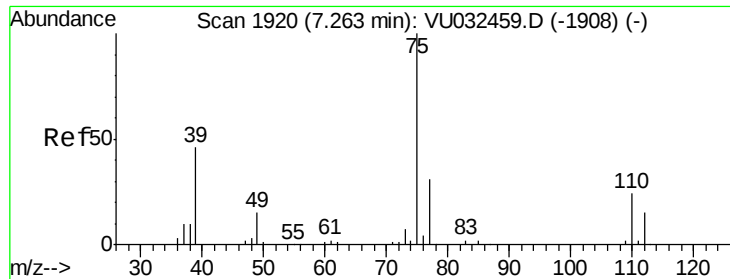
Tgt Ion: 63 Resp: 148481
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 103.663 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion: 83 Resp: 197721
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4
 127 9.0 7.4 11.2

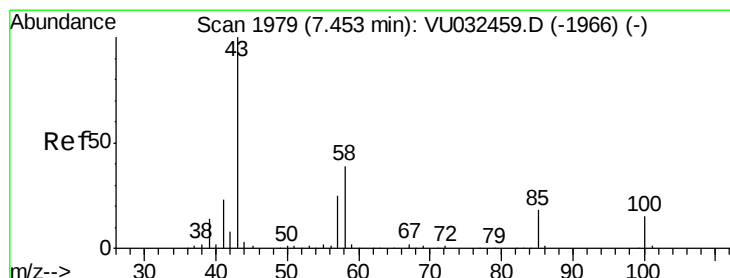
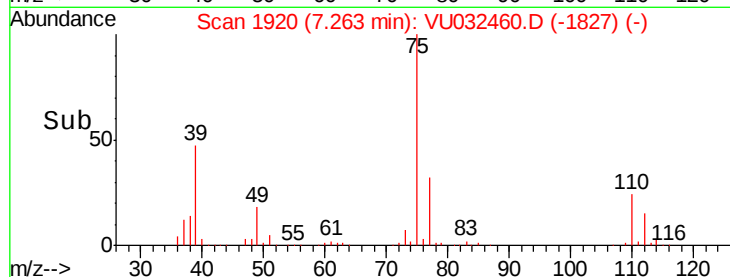
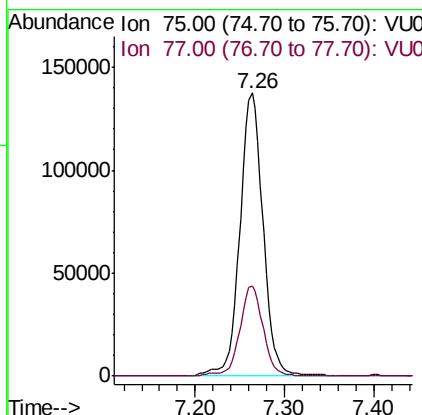
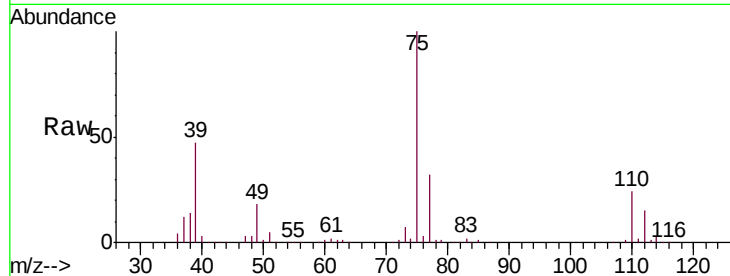




#39
 cis-1,3-Dichloropropene
 Concen: 112.378 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

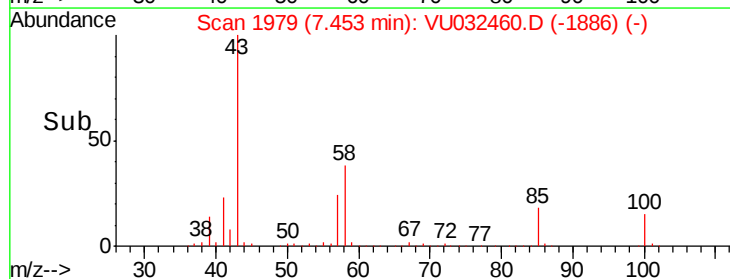
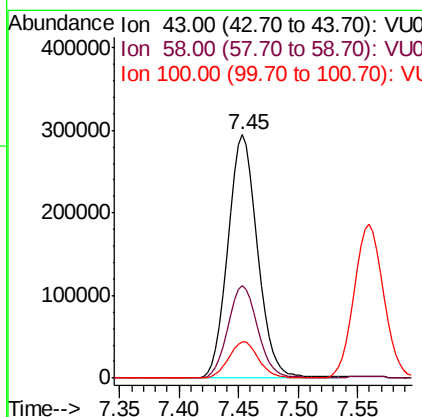
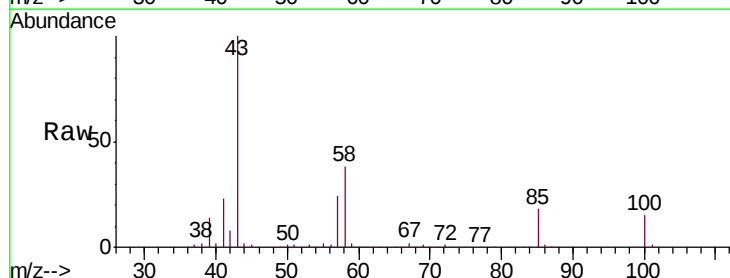
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

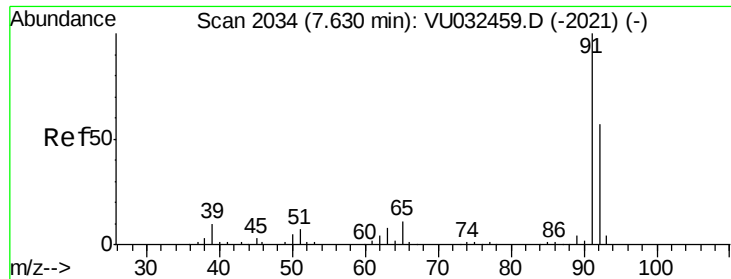
Tgt Ion: 75 Resp: 248582
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 251.460 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion: 43 Resp: 509330
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.8 46.2
 100 15.1 12.1 18.1





#42

Toluene

Concen: 101.471 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

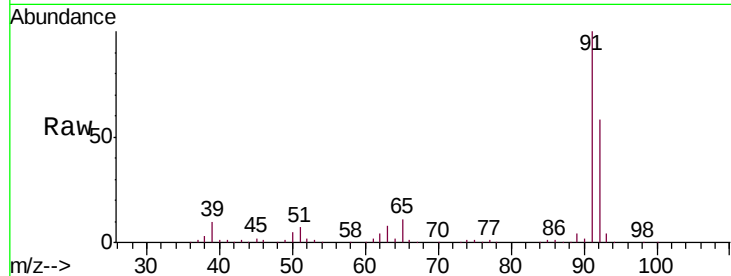
VSTD10057

Tgt Ion: 91 Resp: 623755

Ion Ratio Lower Upper

91 100

92 57.9 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

400000

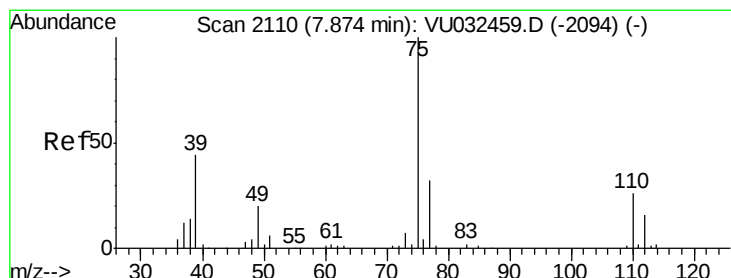
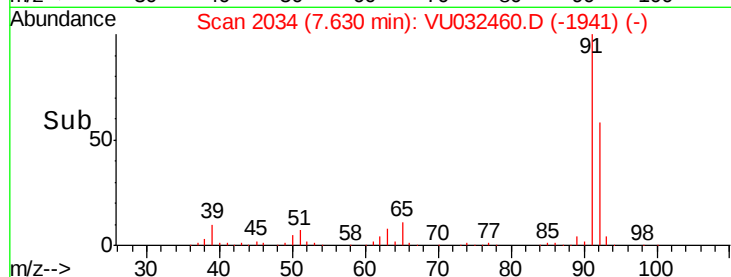
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 114.289 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032460.D

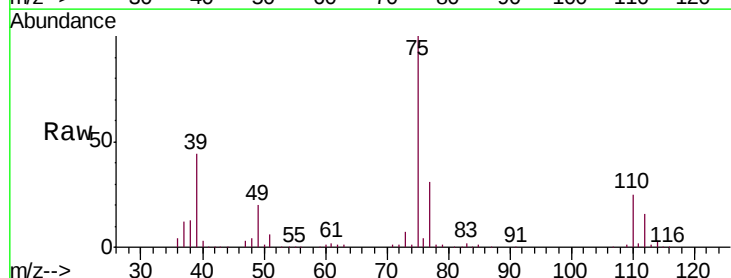
Acq: 05 Jun 2019 14:43

Tgt Ion: 75 Resp: 222819

Ion Ratio Lower Upper

75 100

77 31.5 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

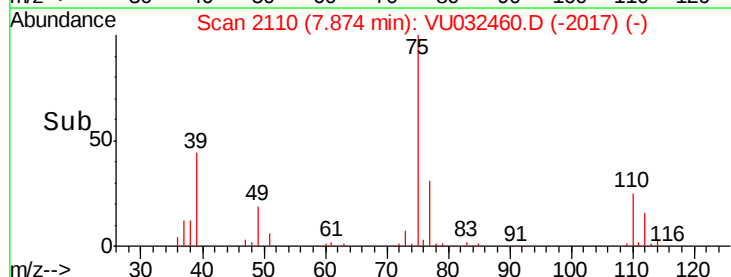
150000

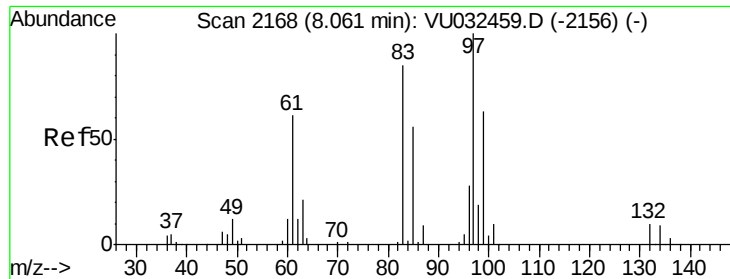
100000

50000

0

Time-->

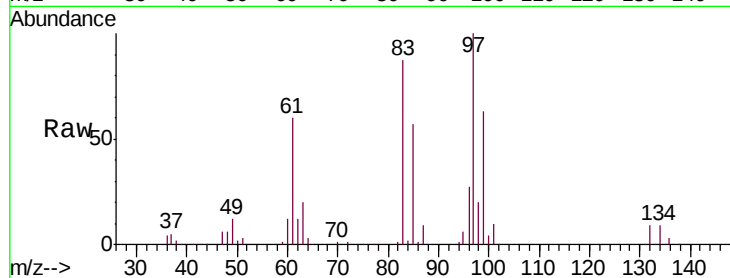




#45
 1,1,2-Trichloroethane
 Concen: 99.289 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Tgt Ion:	97	Resp:	143491
Ion	Ratio	Lower	Upper
97	100		
99	62.6	44.1	81.9
83	86.6	59.4	110.2
85	56.5	39.1	72.7



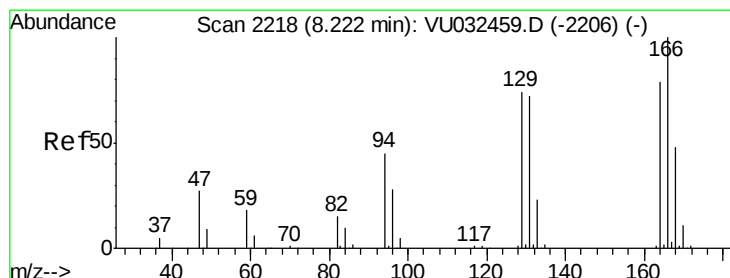
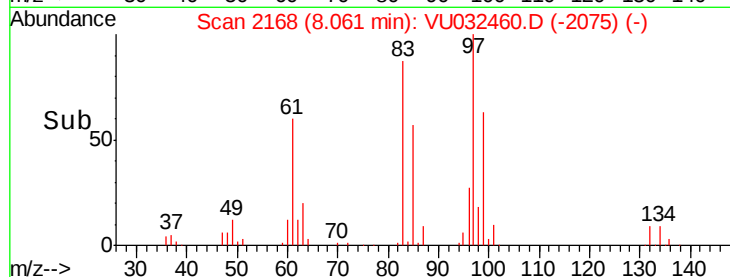
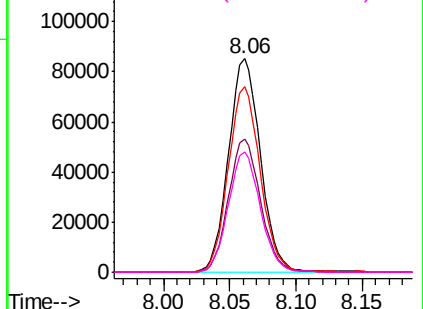
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

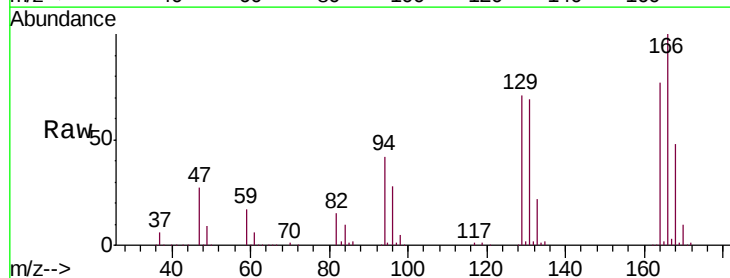
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 105.180 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion:	164	Resp:	126298
Ion	Ratio	Lower	Upper
164	100		
129	91.4	65.3	121.3
131	89.7	64.0	119.0
166	129.5	88.8	165.0



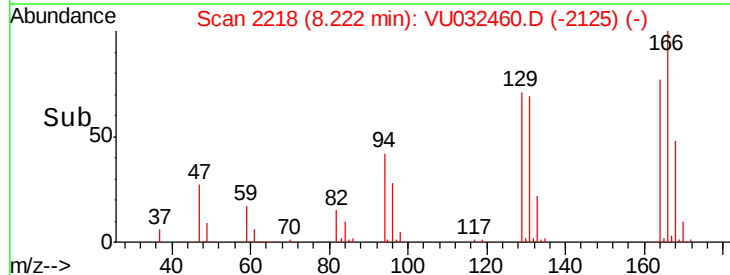
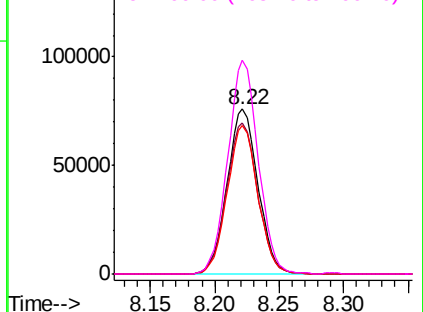
Abundance

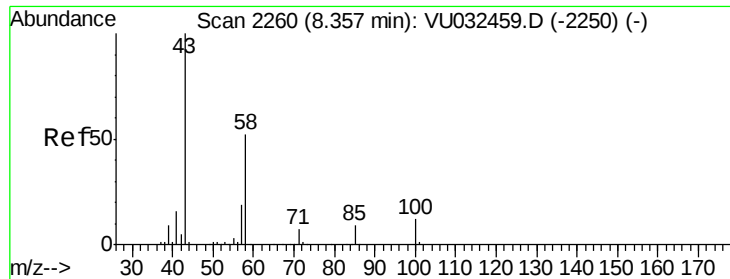
Ion 164.00 (163.70 to 164.70): V

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

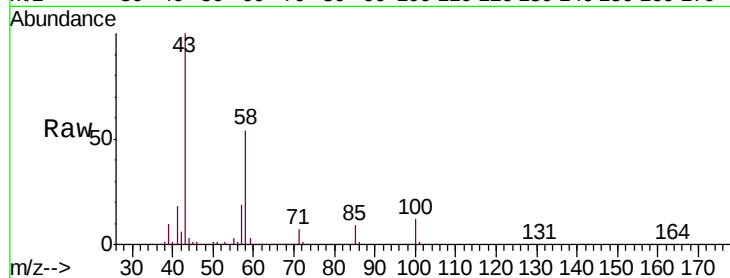




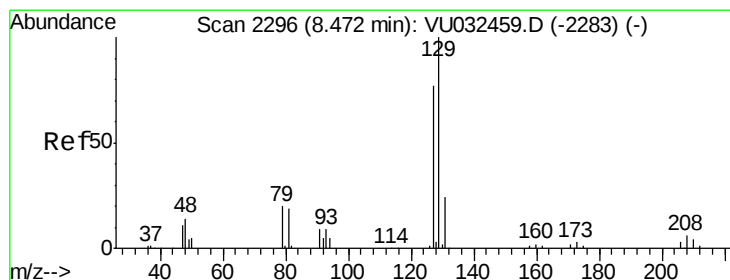
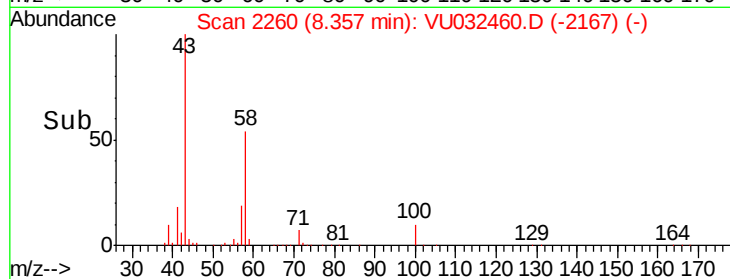
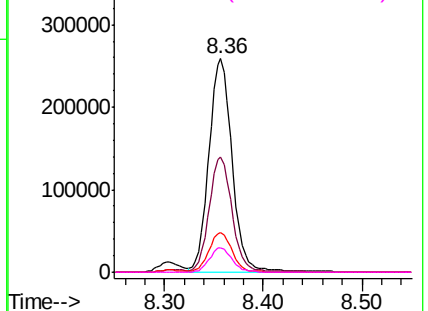
#48
2-Hexanone
Concen: 254.719 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Instrument :
MSVOA_U
ClientSampleId :
VSTD10057

Tgt Ion:	43	Resp:	421930
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.0	63.0
57	18.6	14.6	22.0
100	11.4	9.2	13.8

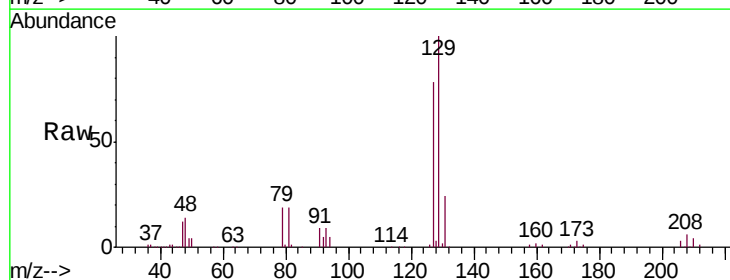


Abundance Ion 43.00 (42.70 to 43.70): VU032459.D (-2250) (-)
Ion 58.00 (57.70 to 58.70): VU032459.D (-2250) (-)
Ion 57.00 (56.70 to 57.70): VU032459.D (-2250) (-)
Ion 100.00 (99.70 to 100.70): VU032459.D (-2250) (-)

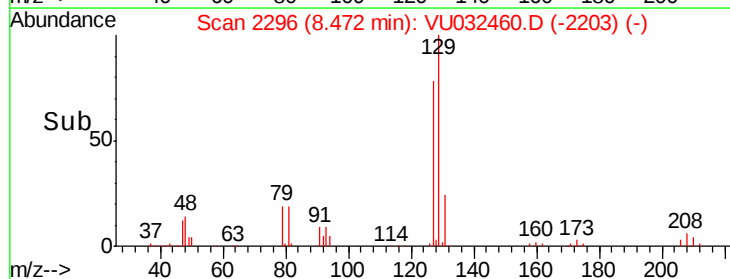
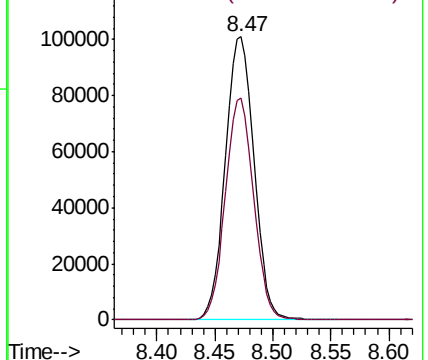


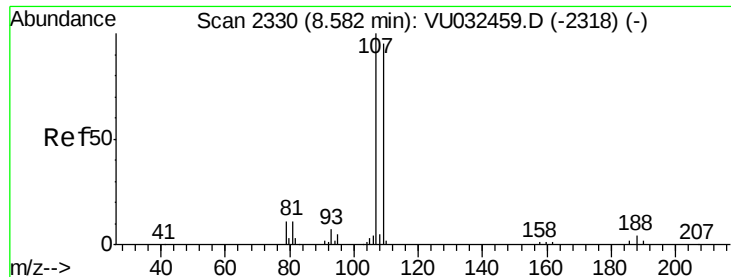
#49
Dibromochloromethane
Concen: 109.236 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032460.D
Acq: 05 Jun 2019 14:43

Tgt Ion:	129	Resp:	173367
Ion	Ratio	Lower	Upper
129	100		
127	78.2	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: 105.734 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

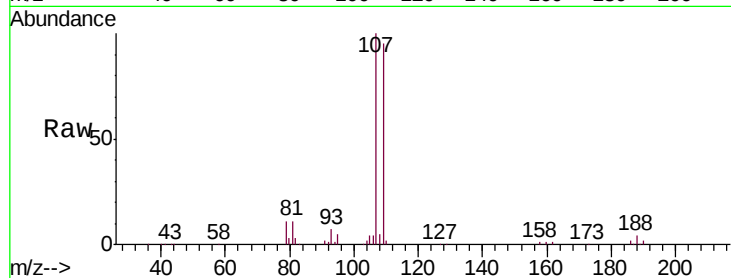
Tgt Ion:107 Resp: 162522

Ion Ratio Lower Upper

107 100

109 94.5 66.8 124.0

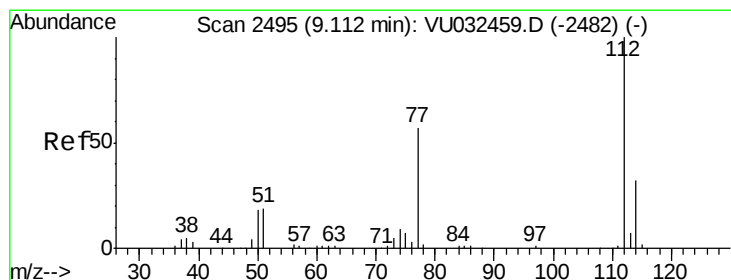
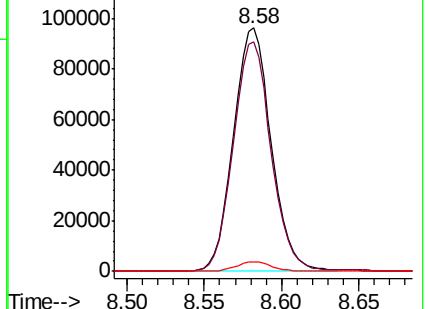
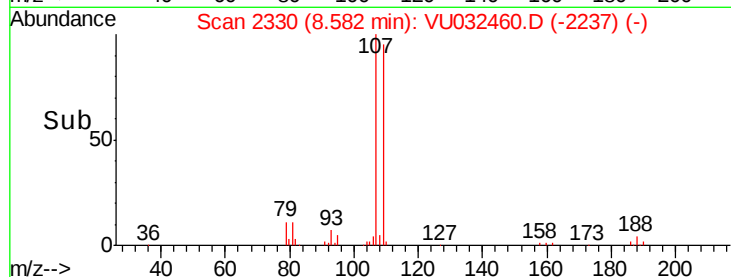
188 4.0 3.1 4.7



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: 101.518 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

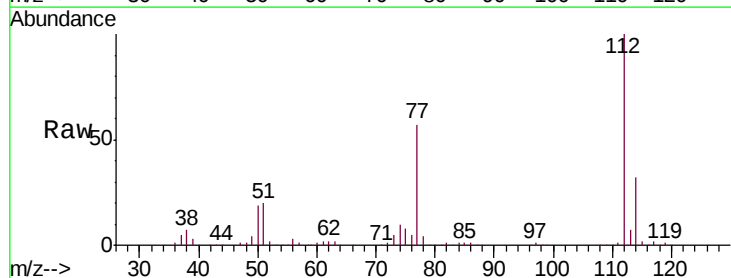
Tgt Ion:112 Resp: 402796

Ion Ratio Lower Upper

112 100

114 32.1 22.6 42.0

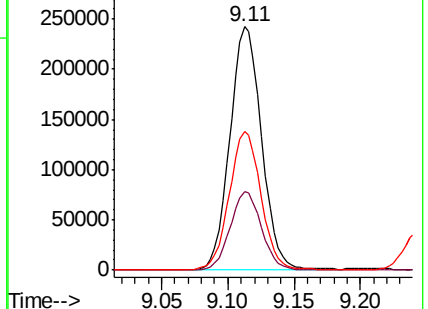
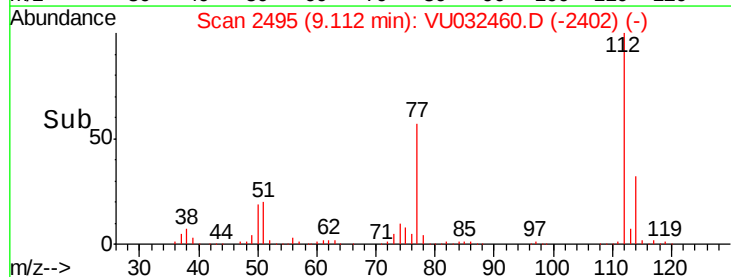
77 57.2 46.1 69.1

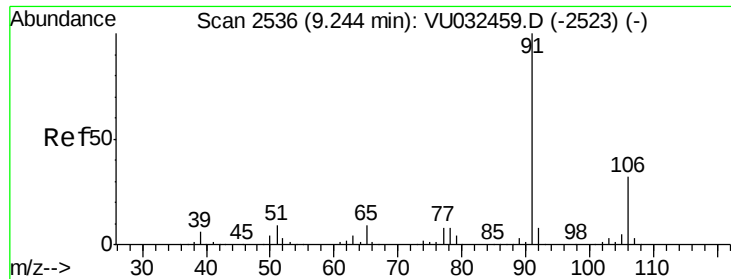


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 106.394 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

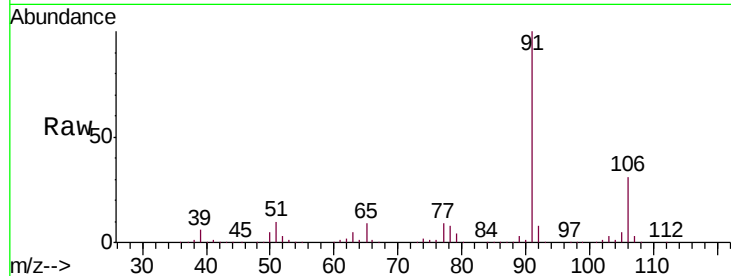
VSTD10057

Tgt Ion: 91 Resp: 701545

Ion Ratio Lower Upper

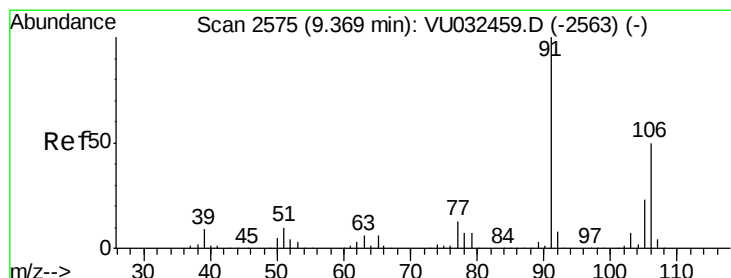
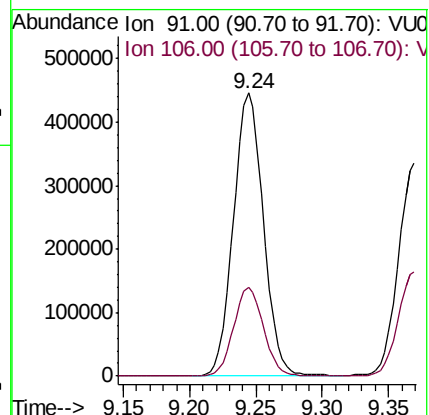
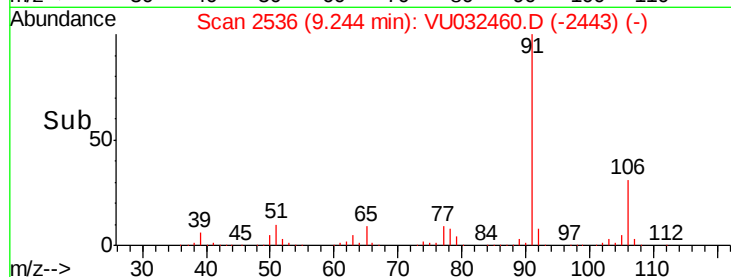
91 100

106 31.3 22.0 41.0



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

Ion 106.00 (105.70 to 106.70): VU032460.D (-2443) (-)



#53

m,p-Xylene

Concen: 106.493 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032460.D

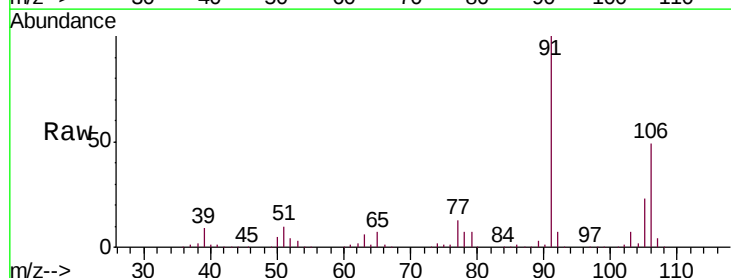
Acq: 05 Jun 2019 14:43

Tgt Ion: 106 Resp: 268581

Ion Ratio Lower Upper

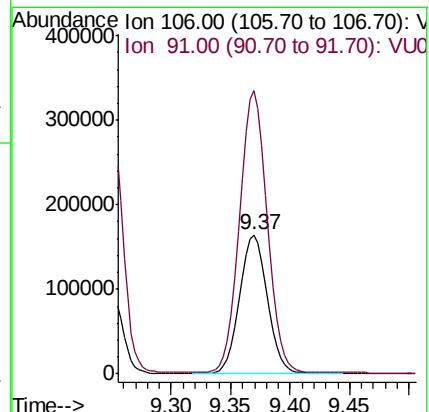
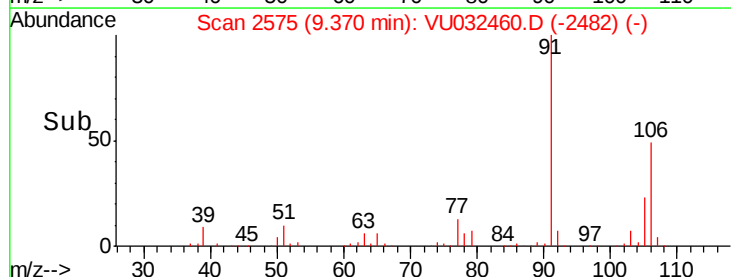
106 100

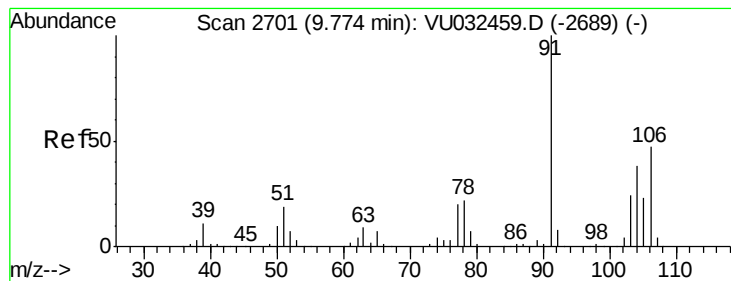
91 203.1 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032460.D (-2482) (-)

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





#54

o-xylene

Concen: 103.811 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

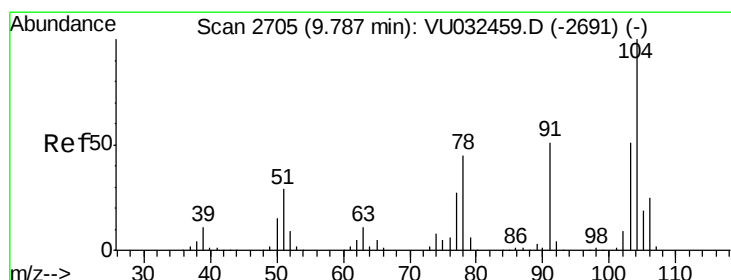
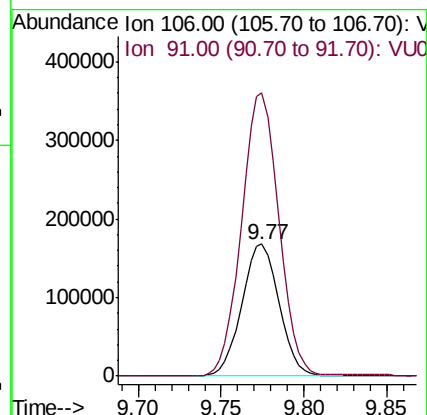
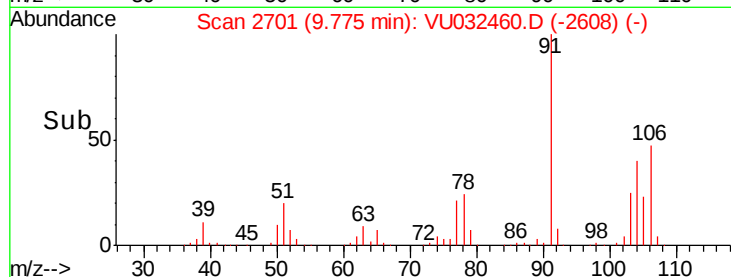
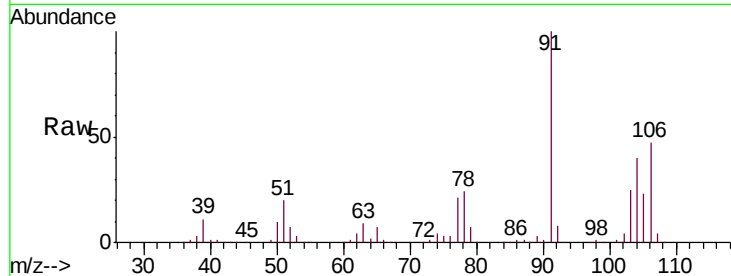
VSTD10057

Tgt Ion:106 Resp: 262890

Ion Ratio Lower Upper

106 100

91 214.6 150.1 278.7



#55

Styrene

Concen: 106.891 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032460.D

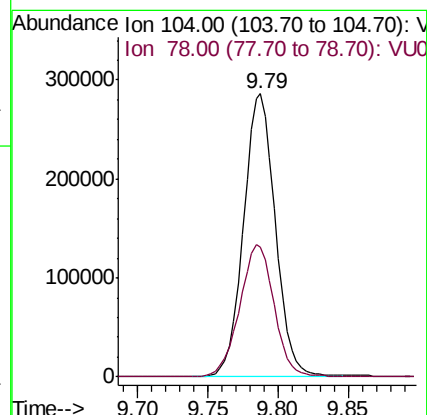
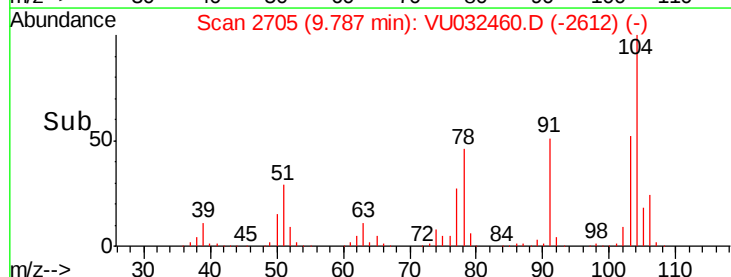
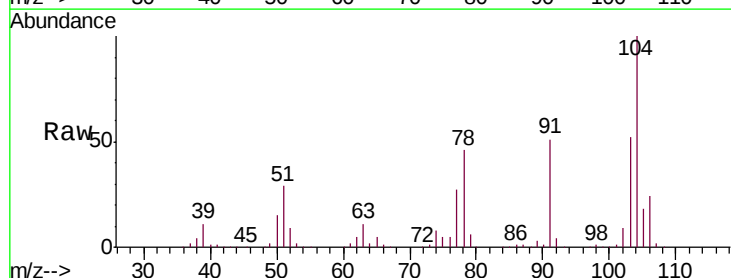
Acq: 05 Jun 2019 14:43

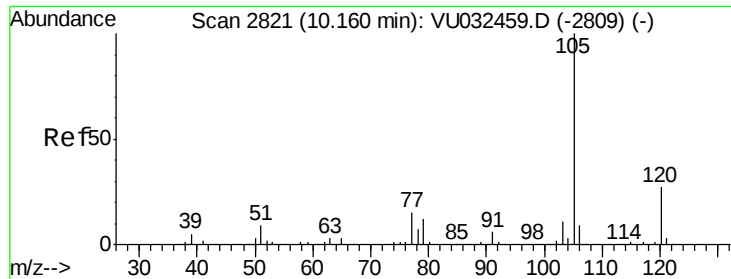
Tgt Ion:104 Resp: 452947

Ion Ratio Lower Upper

104 100

78 46.0 31.6 58.6





#56

Isopropylbenzene

Concen: 108.395 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

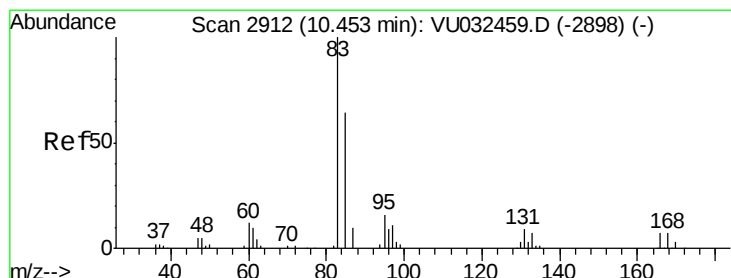
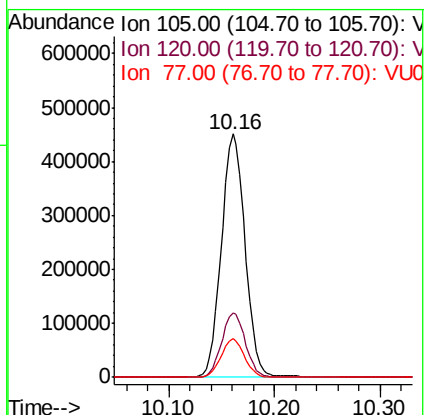
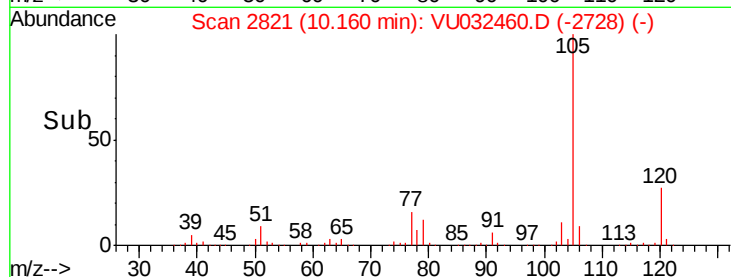
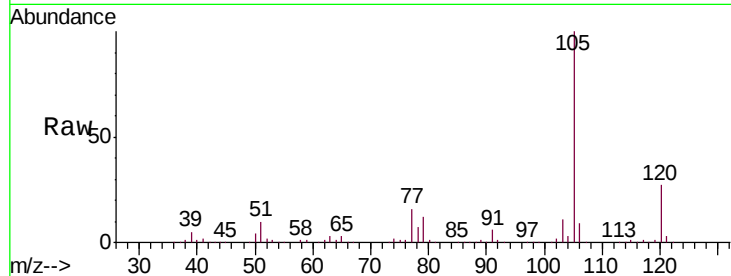
Tgt Ion:105 Resp: 701804

Ion Ratio Lower Upper

105 100

120 26.3 21.6 32.4

77 15.5 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 101.747 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

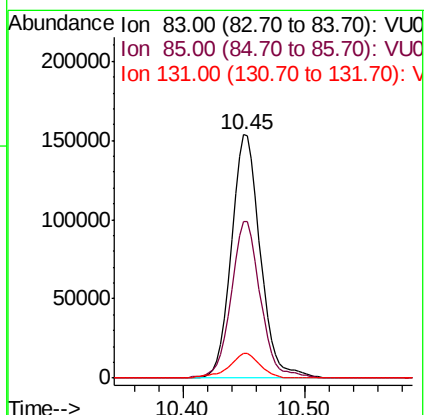
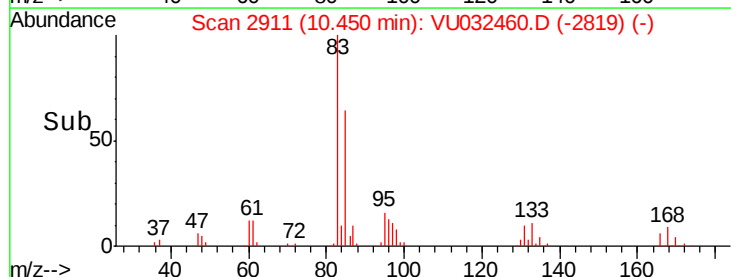
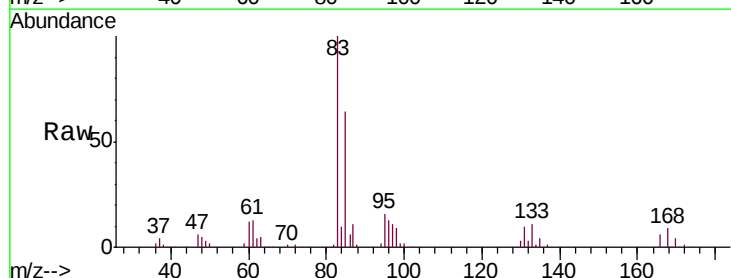
Tgt Ion: 83 Resp: 253781

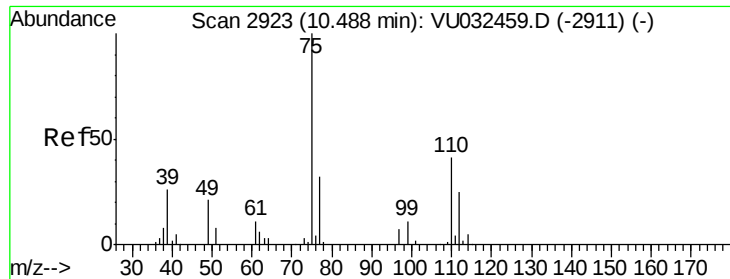
Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

131 10.0 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 101.684 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

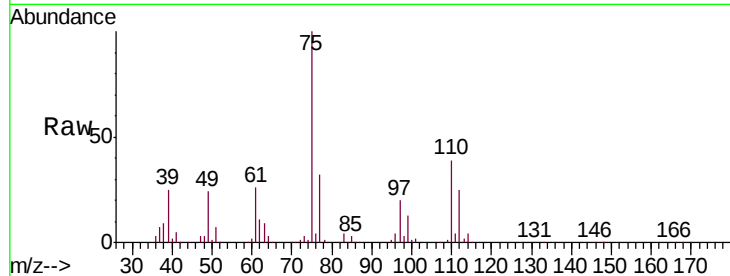
VSTD10057

Tgt Ion: 75 Resp: 200244

Ion Ratio Lower Upper

75 100

77 32.3 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) (-)

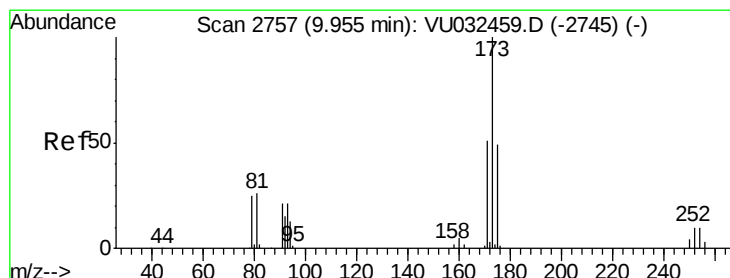
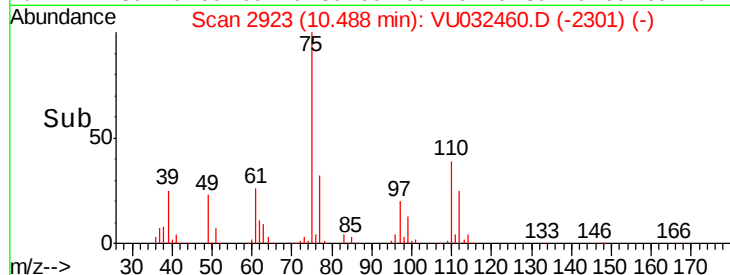
10.49

100000

50000

0

Time-->



#61

Bromoform

Concen: 100.293 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

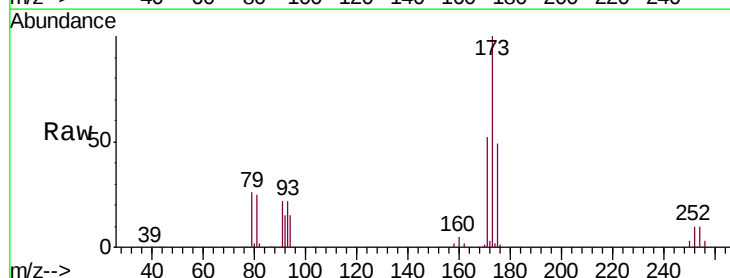
Tgt Ion: 173 Resp: 139087

Ion Ratio Lower Upper

173 100

175 48.7 39.7 59.5

254 9.9 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) (-)

9.95

100000

80000

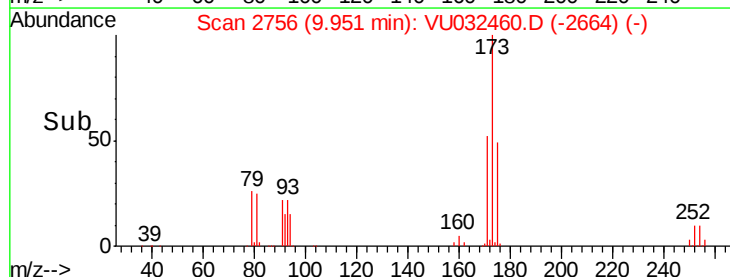
60000

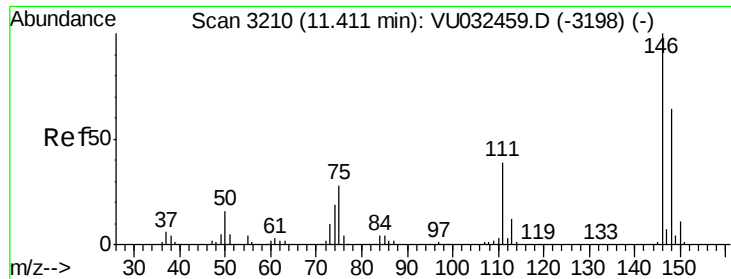
40000

20000

0

Time-->

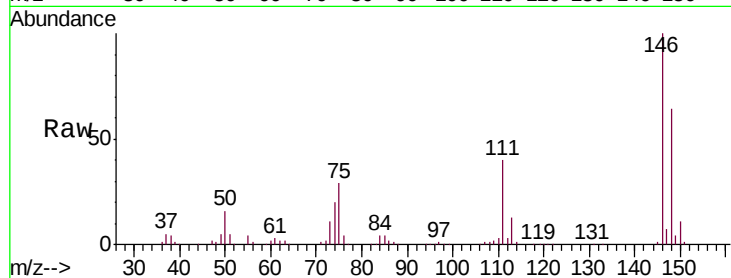




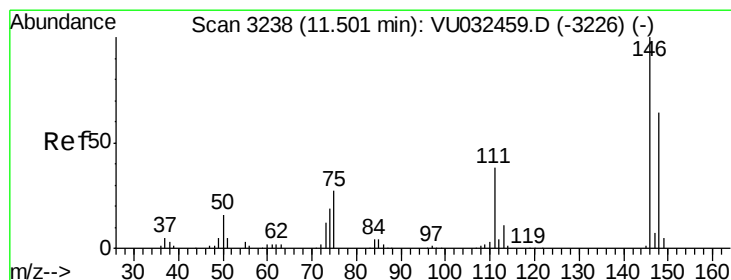
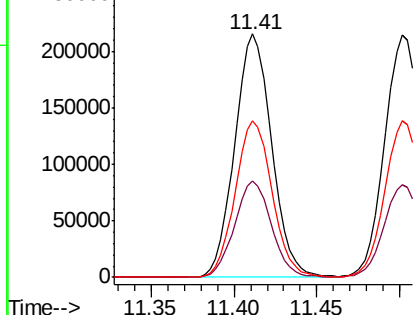
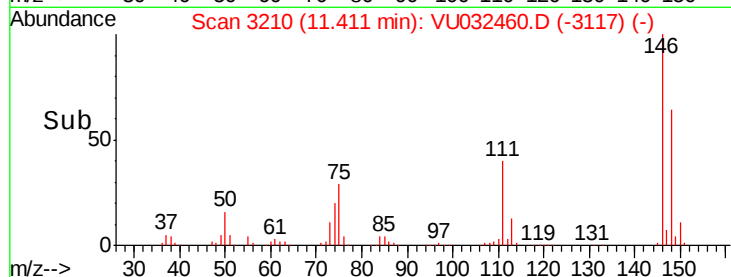
#62
 1,3-Dichlorobenzene
 Concen: 100.141 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

Tgt Ion:146 Resp: 334475
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.3 50.7
 148 64.3 44.4 82.5

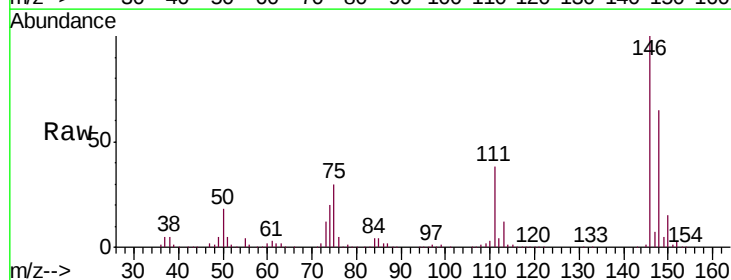


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

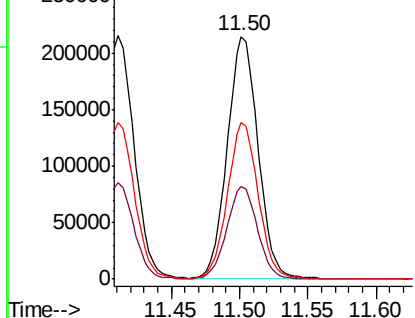
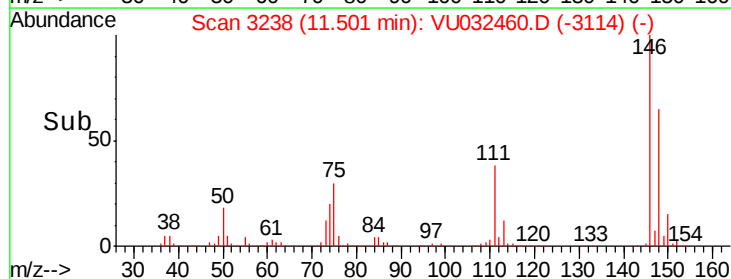


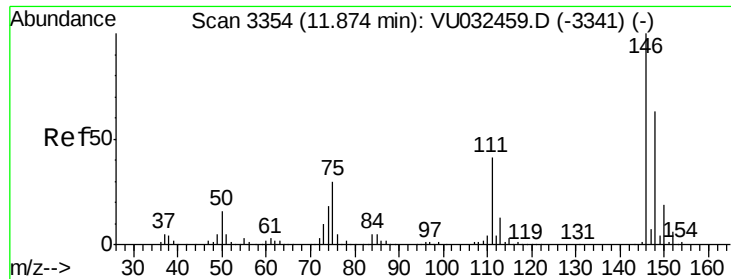
#63
 1,4-Dichlorobenzene
 Concen: 98.300 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion:146 Resp: 334992
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.6 49.4
 148 64.7 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: 96.692 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampled :

VSTD10057

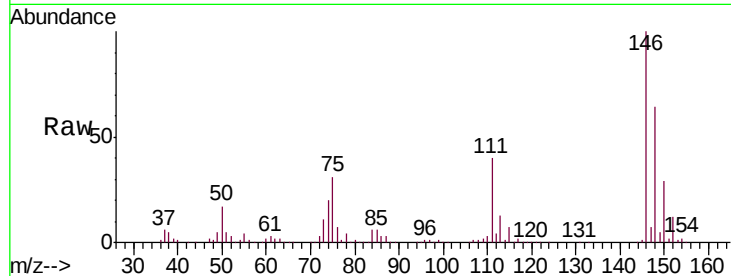
Tgt Ion:146 Resp: 336872

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

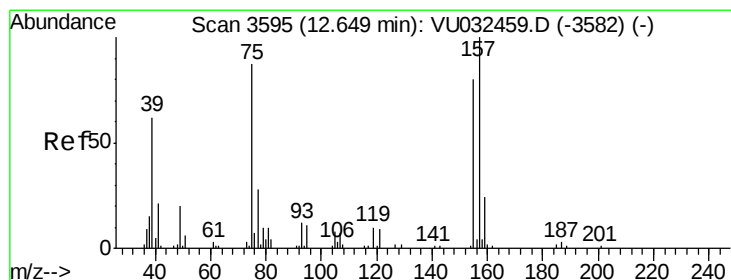
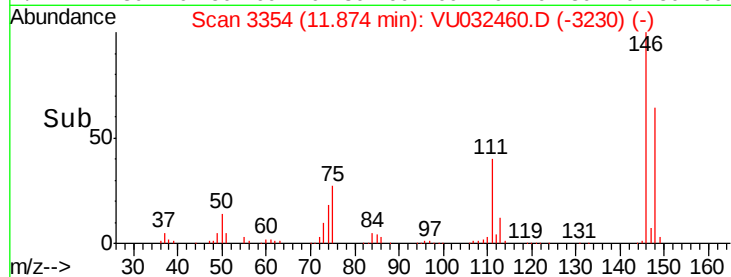
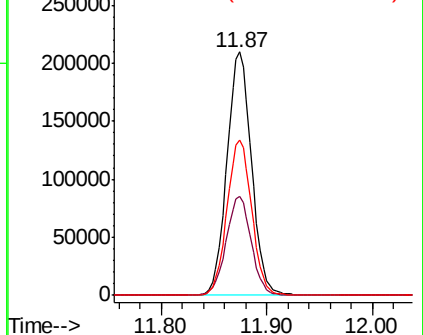
148 63.7 50.5 75.7



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: 107.920 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

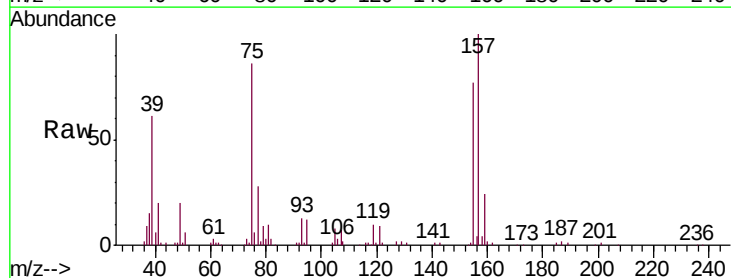
Tgt Ion: 75 Resp: 62660

Ion Ratio Lower Upper

75 100

155 89.3 73.1 109.7

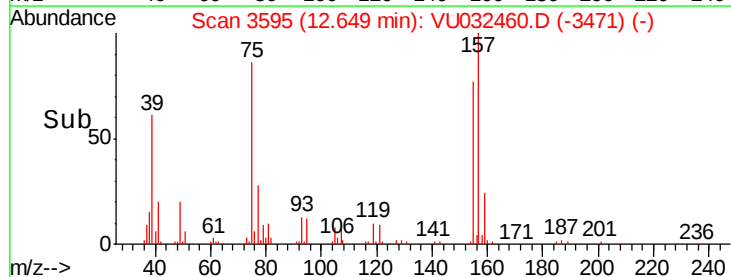
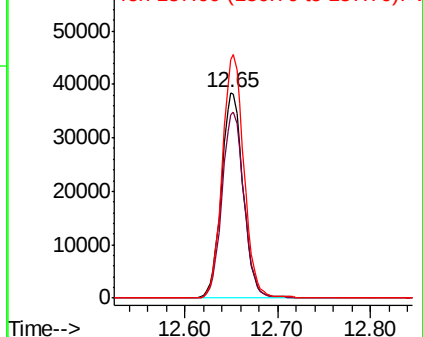
157 115.8 91.4 137.2

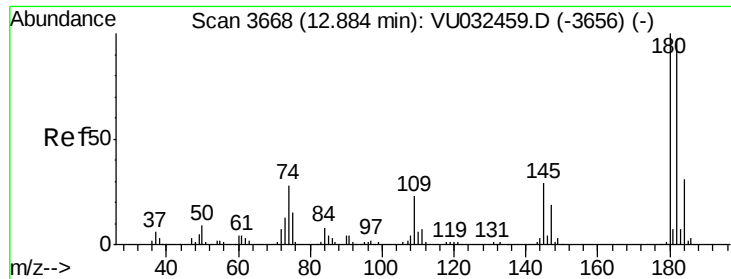


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

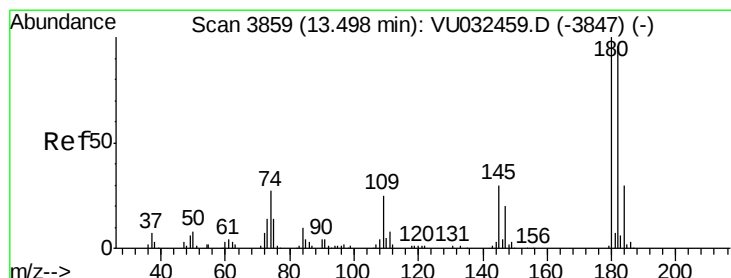
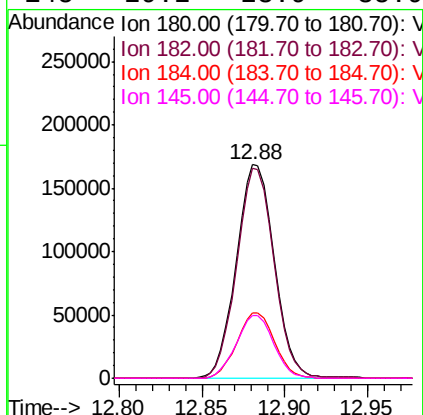
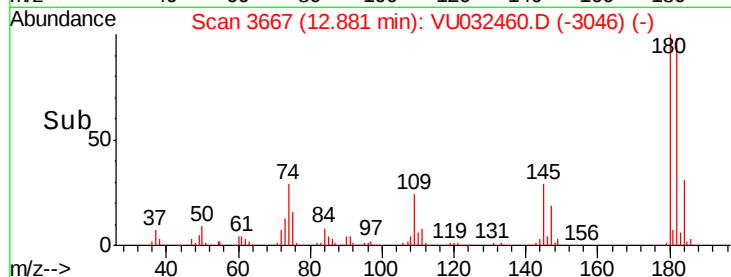
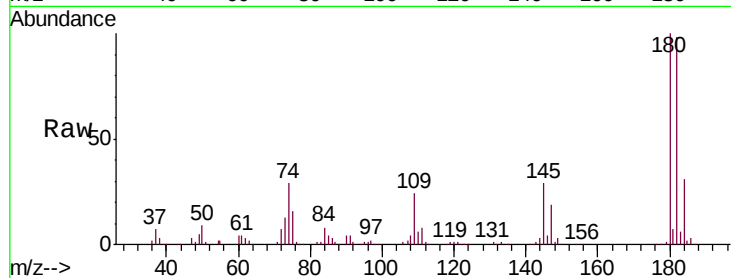




#67
 1,3,5-Trichlorobenzene
 Concen: 108.174 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

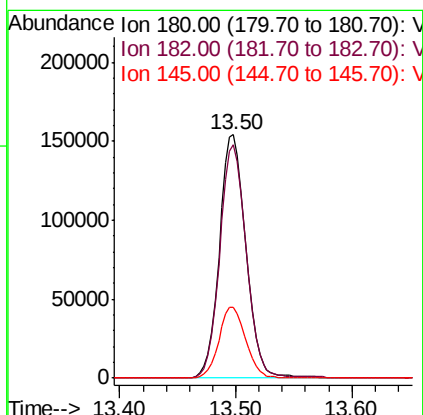
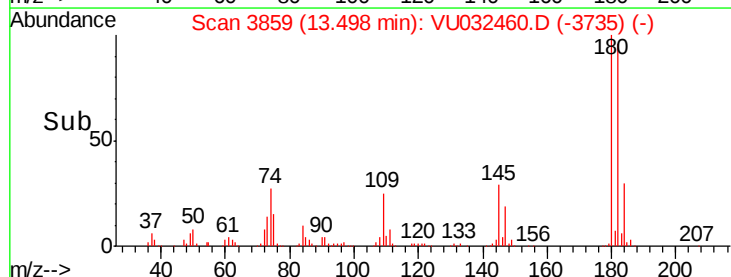
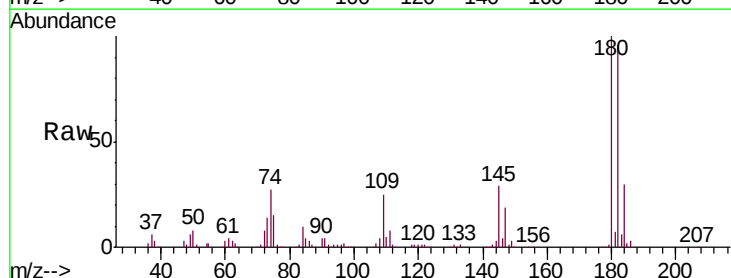
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10057

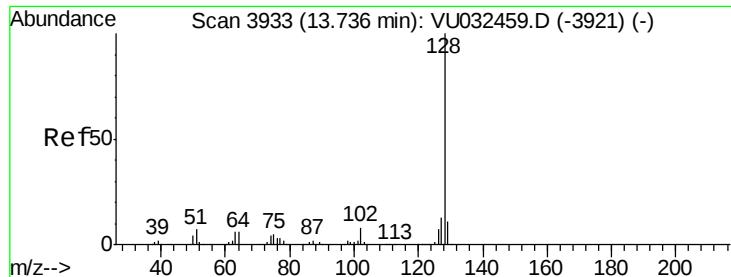
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.2	117.4
184	30.5	24.2	36.2
145	29.2	23.9	35.9



#68
 1,2,4-trichlorobenzene
 Concen: 124.174 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032460.D
 Acq: 05 Jun 2019 14:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
145	29.6	23.8	35.6





#69

Naphthalene

Concen: 134.601 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

Instrument :

MSVOA_U

ClientSampleId :

VSTD10057

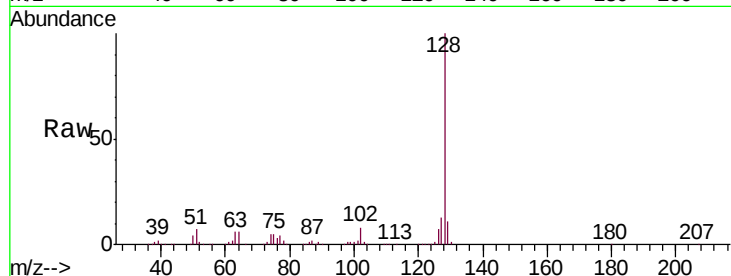
Tgt Ion:128 Resp: 797745

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

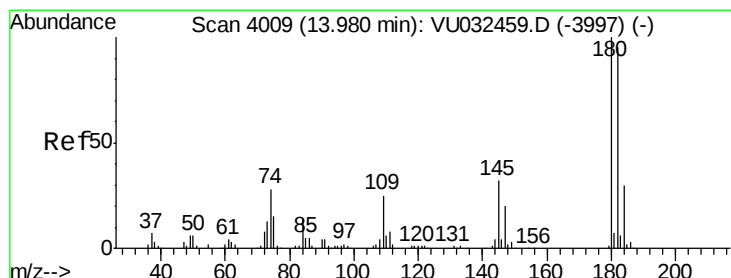
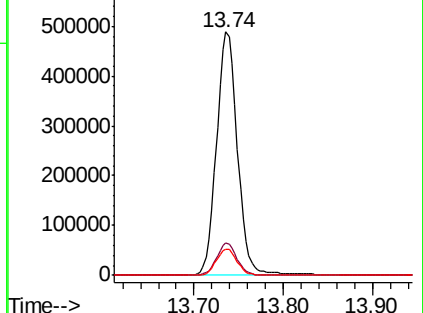
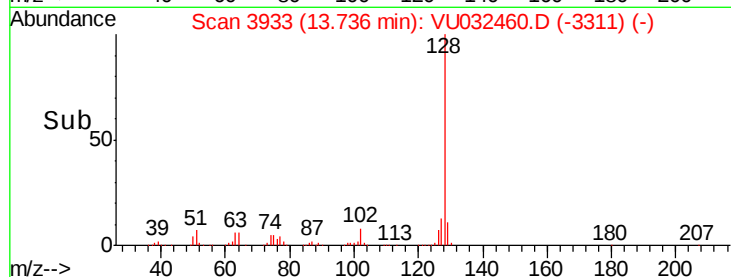
129 10.7 8.5 12.7



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: 117.483 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. 0.00 min

Lab File: VU032460.D

Acq: 05 Jun 2019 14:43

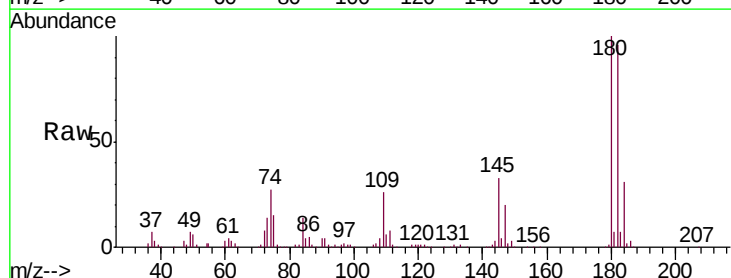
Tgt Ion:180 Resp: 245912

Ion Ratio Lower Upper

180 100

182 95.1 76.7 115.1

145 31.9 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

