

Data File : VU032593.D
Acq On : 11 Jun 2019 02:09
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Jun 11 05:45:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	178988	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	172892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91992	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	59821	51.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.02%
7) Chloroethane-d5	1.67	69	47370	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	2.27	63	116842	51.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.78%
21) 2-Butanone-d5	4.17	46	105963	109.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.04%
24) Chloroform-d	4.64	84	114069	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
26) 1,2-Dichloroethane-d4	5.30	65	71979	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
32) Benzene-d6	5.33	84	224803	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.32	67	71750	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.96%
41) Toluene-d8	7.56	98	211560	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%
43) trans-1,3-Dichloropropene-	7.85	79	33615	49.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.82%
47) 2-Hexanone-d5	8.31	63	69595	101.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105707	51.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.66%
64) 1,2-Dichlorobenzene-d4	11.85	152	89995	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	78383	48.576	ug/L 100
3) Chloromethane	1.32	50	70173	45.005	ug/L 100
5) Vinyl chloride	1.40	62	75550	48.506	ug/L 98
6) Bromomethane	1.62	94	28568	30.778	ug/L 100
8) Chloroethane	1.69	64	44038	47.567	ug/L 98
9) Trichlorofluoromethane	1.88	101	106158	50.475	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	55419	50.666	ug/L 98
12) 1,1-Dichloroethene	2.28	96	54826	51.622	ug/L 93
13) Acetone	2.32	43	72908	72.710	ug/L 100
14) Carbon disulfide	2.47	76	159993	49.579	ug/L 98
15) Methyl Acetate	2.61	43	77739	54.300	ug/L 99
16) Methylene chloride	2.69	84	63460	52.365	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	58338	50.689	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	193859	51.271	ug/L 99
19) 1,1-Dichloroethane	3.44	63	111731	53.254	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	66277	50.884	ug/L 95
22) 2-Butanone	4.25	43	112033	94.534	ug/L 97

Data File : VU032593.D
Acq On : 11 Jun 2019 02:09
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Jun 11 05:45:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	34066	50.301	ug/L	96
25) Chloroform	4.67	83	114699	52.976	ug/L	100
27) 1,2-Dichloroethane	5.40	62	91514	53.467	ug/L	99
29) Cyclohexane	4.99	56	97575	47.448	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	99658	50.919	ug/L	98
31) Carbon tetrachloride	5.13	117	91170	50.824	ug/L	98
33) Benzene	5.38	78	241702	49.757	ug/L	100
34) Trichloroethene	6.18	95	67243	50.880	ug/L	98
35) Methylcyclohexane	6.41	83	101179	47.290	ug/L	99
37) 1,2-Dichloropropane	6.43	63	65975	51.234	ug/L	100
38) Bromodichloromethane	6.75	83	86613	52.237	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	100194	49.315	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	212981	102.808	ug/L	99
42) Toluene	7.63	91	262793	49.397	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	90034	49.926	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	62277	51.142	ug/L	99
46) Tetrachloroethene	8.22	164	53471	48.987	ug/L	98
48) 2-Hexanone	8.36	43	170734	100.341	ug/L	99
49) Dibromochloromethane	8.47	129	73853	52.179	ug/L	99
50) 1,2-Dibromoethane	8.58	107	68673	50.103	ug/L	100
51) Chlorobenzene	9.11	112	171902	50.154	ug/L	99
52) Ethylbenzene	9.24	91	292200	49.275	ug/L	99
53) m,p-Xylene	9.37	106	110353	48.939	ug/L	100
54) o-xylene	9.77	106	109742	49.017	ug/L	98
55) Styrene	9.79	104	187485	50.162	ug/L	99
56) Isopropylbenzene	10.16	105	291470	49.372	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	106346	51.098	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	86616	51.742	ug/L	99
61) Bromoform	9.95	173	58058	52.935	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	139947	50.284	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	140475	49.370	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	140077	49.782	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	26387	55.738	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	107523	49.656	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	99219	54.087	ug/L	99
69) Naphthalene	13.74	128	312388	53.988	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102052	53.455	ug/L	99

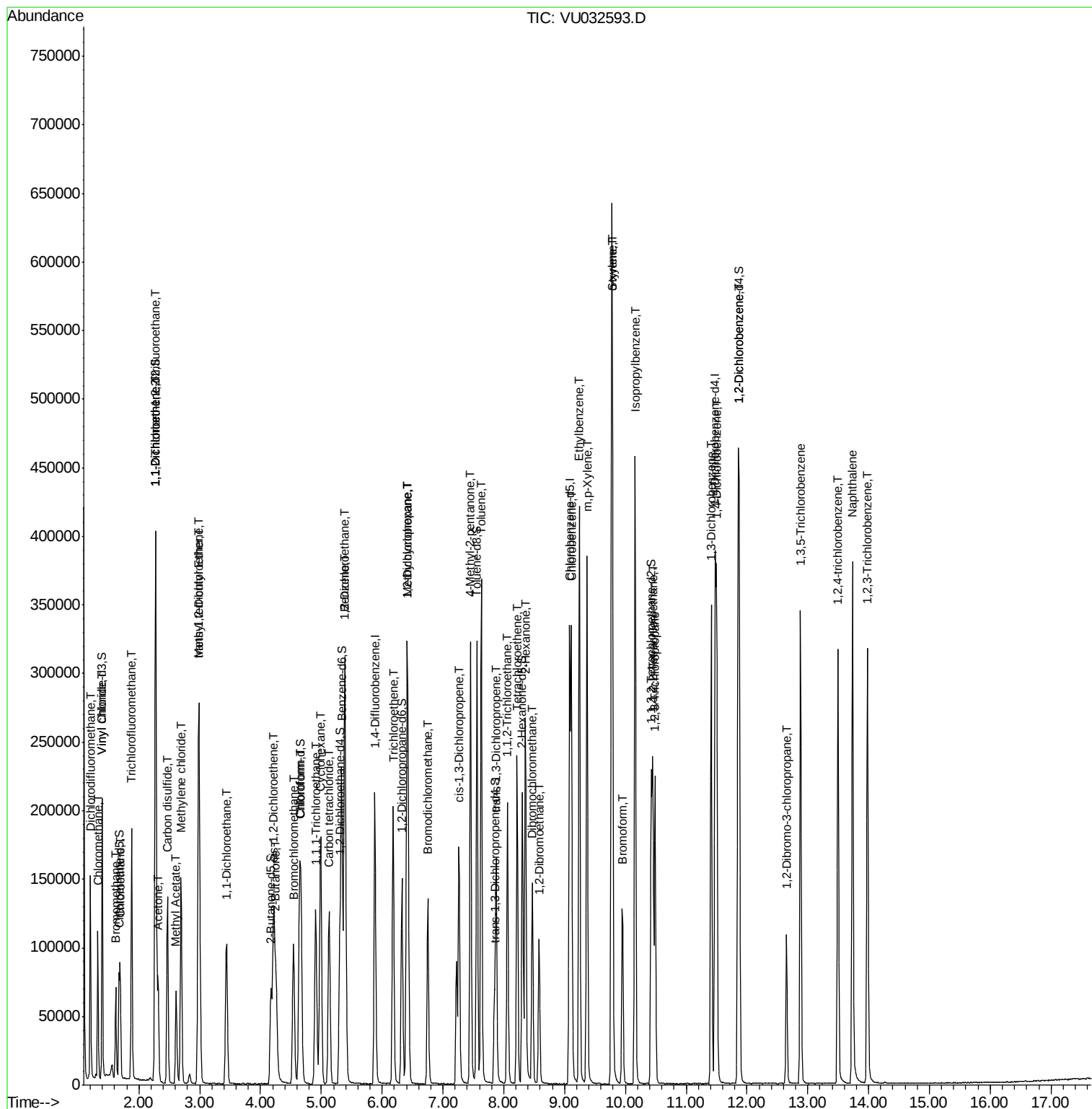
(#) = qualifier out of range (m) = manual integration (+) = signals summed

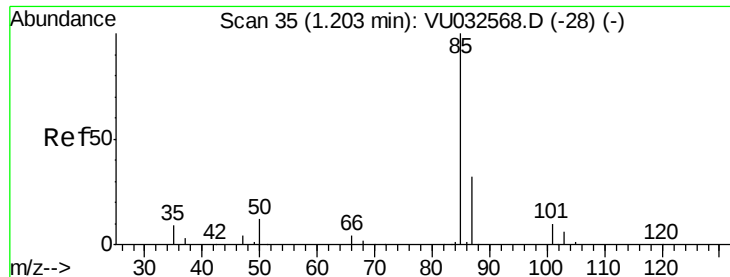
Data File : VU032593.D

```
Acq On       : 11 Jun 2019   02:09
Operator     : JC/SP
Sample       : VSTDCCC050EC
Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 42      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Jun 11 05:45:25 2019
Quant Method : Z:\V\OASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 05:38:55 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.576 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

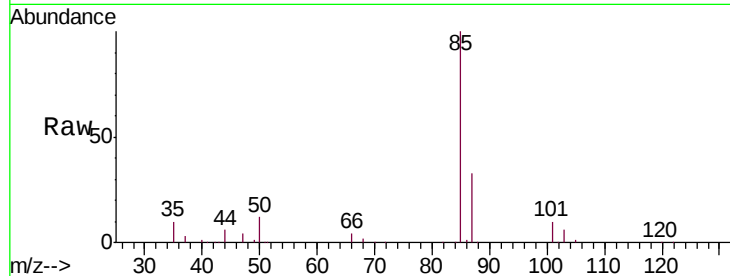
VSTD05042

Tgt Ion: 85 Resp: 78383

Ion Ratio Lower Upper

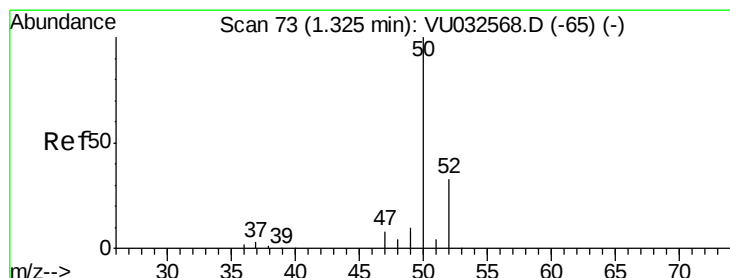
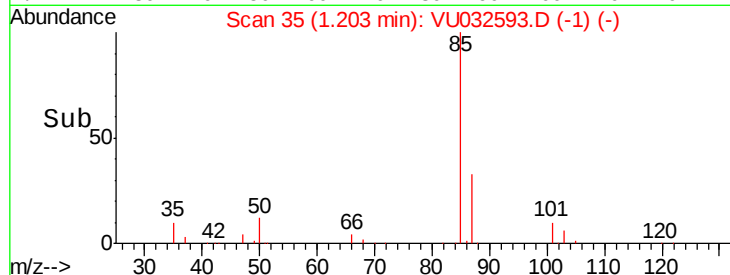
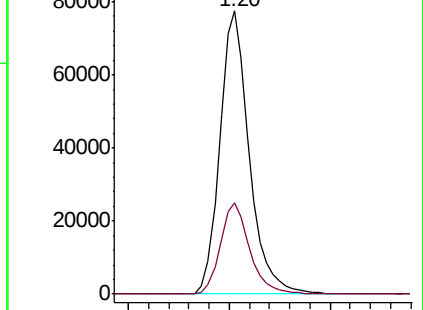
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU032568.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032568.D (-28) (-)



#3

Chloromethane

Concen: 45.005 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032593.D

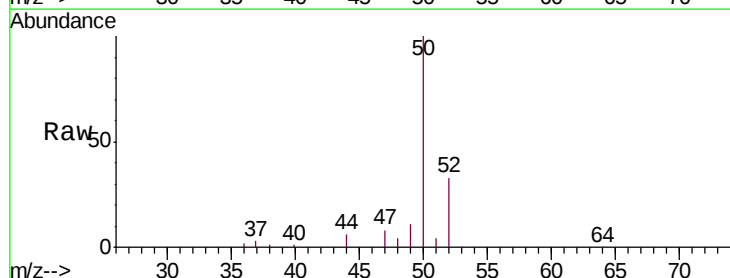
Acq: 11 Jun 2019 02:09

Tgt Ion: 50 Resp: 70173

Ion Ratio Lower Upper

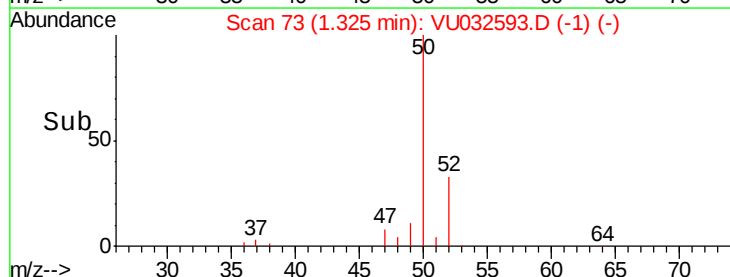
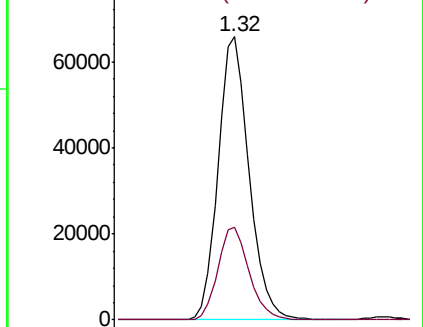
50 100

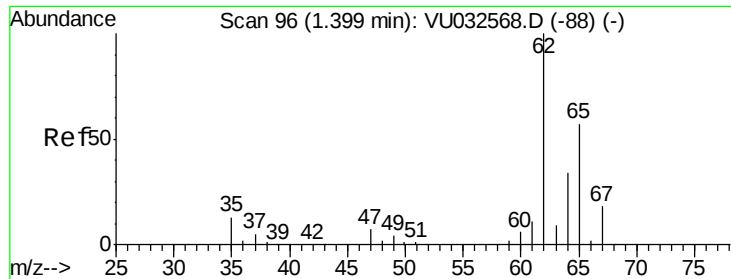
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032568.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU032568.D (-65) (-)





#5

Vinyl chloride

Concen: 48.506 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

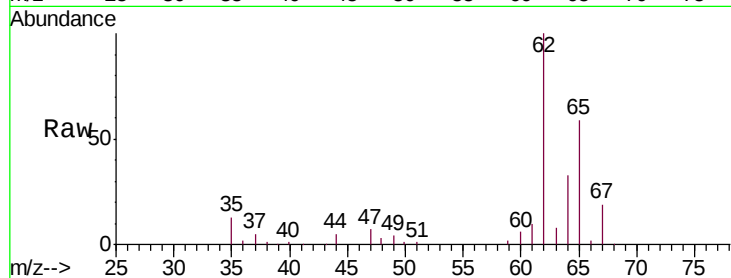
VSTD05042

Tgt Ion: 62 Resp: 75550

Ion Ratio Lower Upper

62 100

64 33.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU032568.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032593.D (-71) (-)

1.40

80000

60000

40000

20000

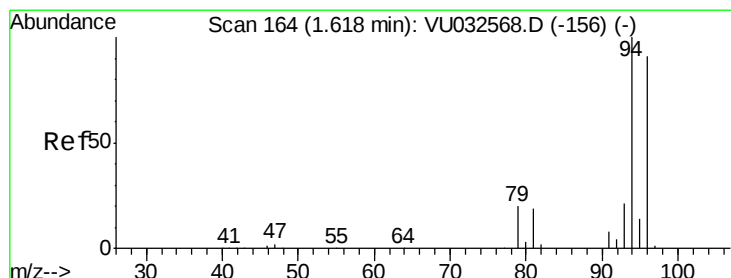
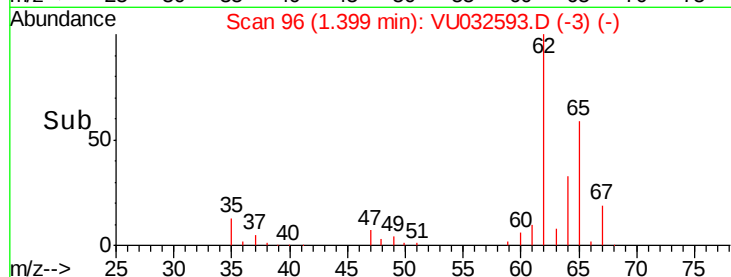
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 30.778 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032593.D

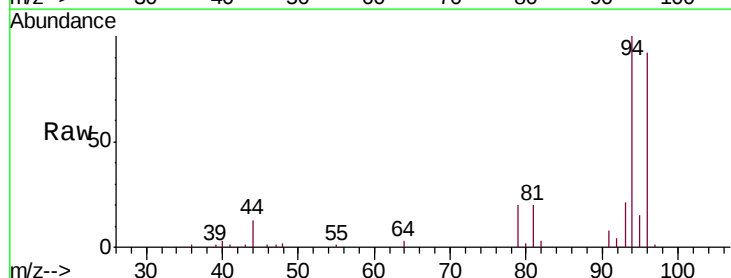
Acq: 11 Jun 2019 02:09

Tgt Ion: 94 Resp: 28568

Ion Ratio Lower Upper

94 100

96 92.2 64.7 120.1



Abundance Ion 94.00 (93.70 to 94.70): VU032568.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032593.D (-71) (-)

1.62

25000

20000

15000

10000

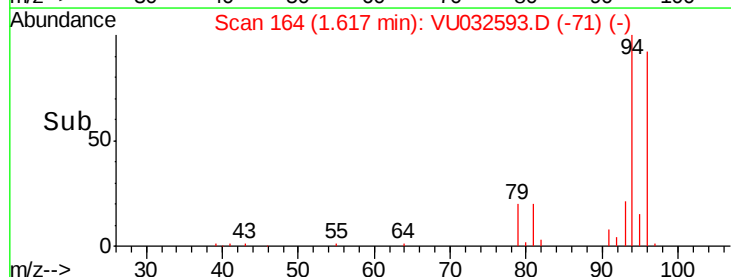
5000

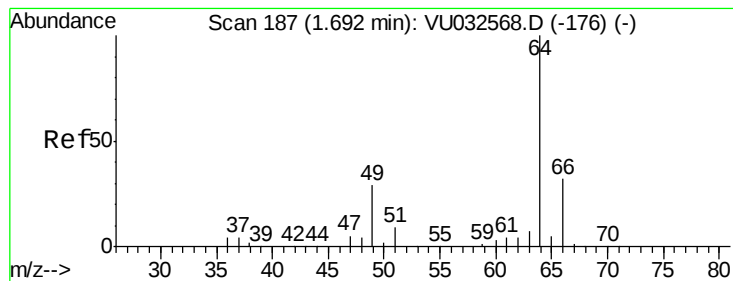
0

1.60

1.65

Time-->





#8

Chloroethane

Concen: 47.567 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

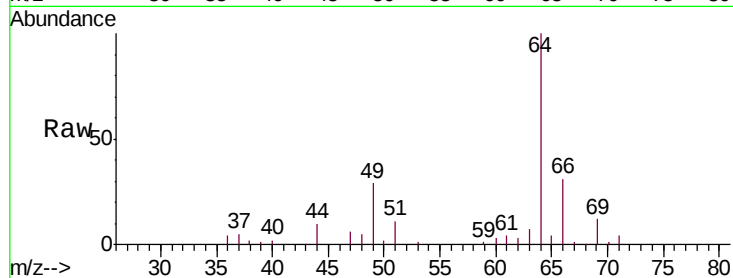
VSTD05042

Tgt Ion: 64 Resp: 44038

Ion Ratio Lower Upper

64 100

66 31.5 22.9 42.5

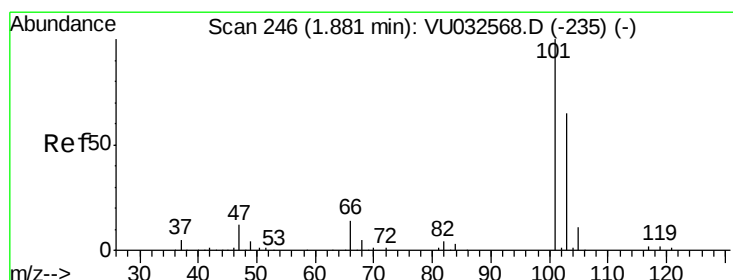
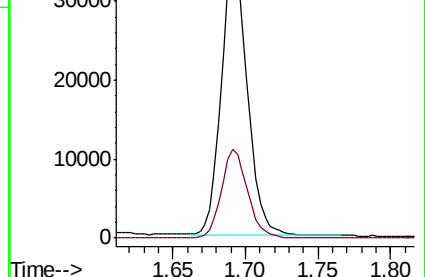
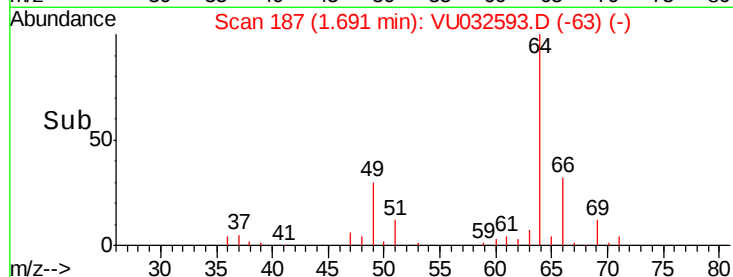


Abundance Ion 64.00 (63.70 to 64.70): VU032568.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU032568.D (-176) (-)

1.69

Time-->



#9

Trichlorofluoromethane

Concen: 50.475 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032593.D

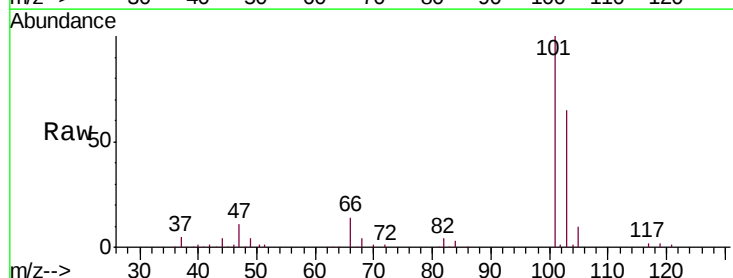
Acq: 11 Jun 2019 02:09

Tgt Ion: 101 Resp: 106158

Ion Ratio Lower Upper

101 100

103 65.5 52.5 78.7

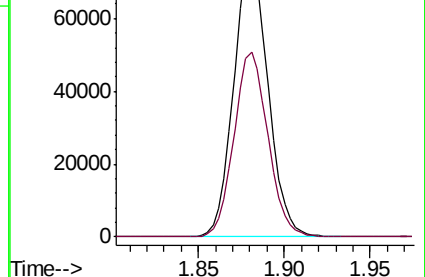
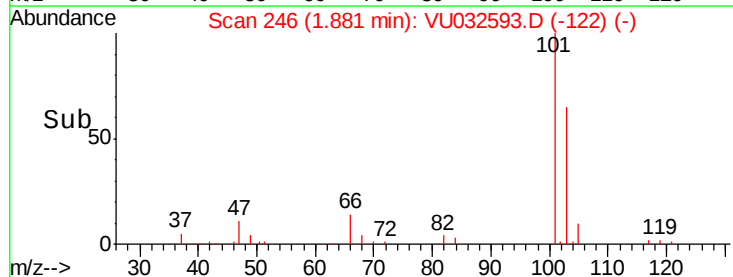


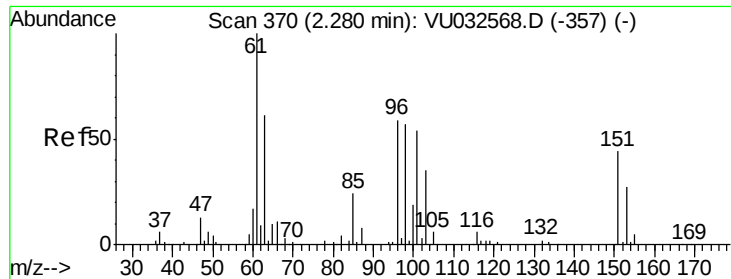
Abundance Ion 101.00 (100.70 to 101.70): VU032568.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032568.D (-235) (-)

1.88

Time-->





#10

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

Concen: 50.666 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

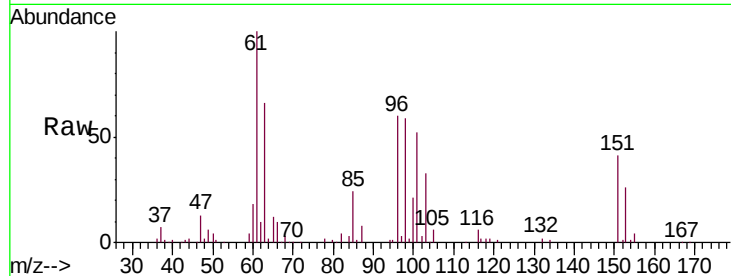
Tgt Ion:101 Resp: 55419

Ion Ratio Lower Upper

101 100

85 45.1 36.1 54.1

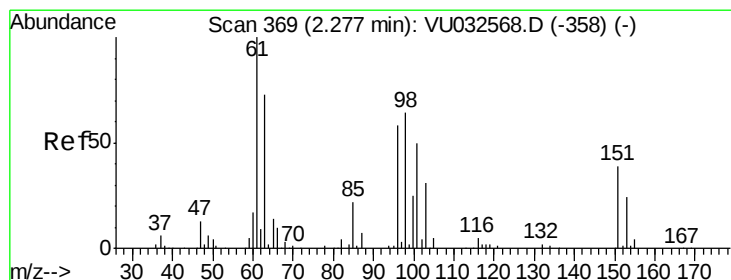
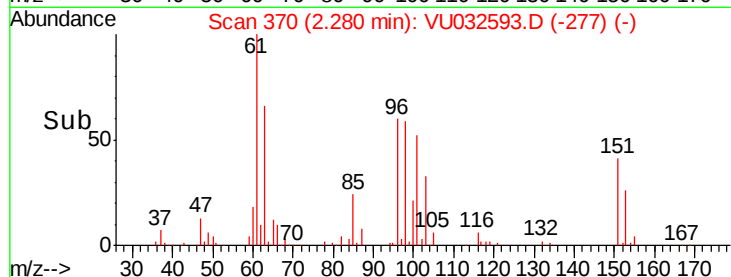
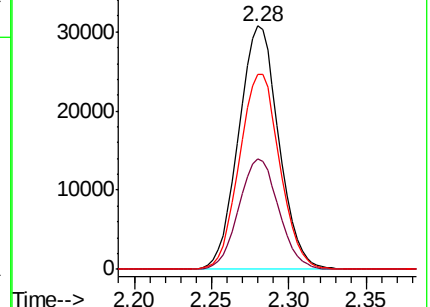
151 80.8 63.0 94.4



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: 51.622 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

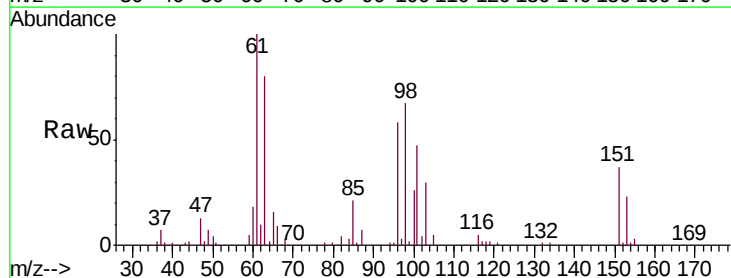
Tgt Ion: 96 Resp: 54826

Ion Ratio Lower Upper

96 100

61 173.5 129.5 240.5

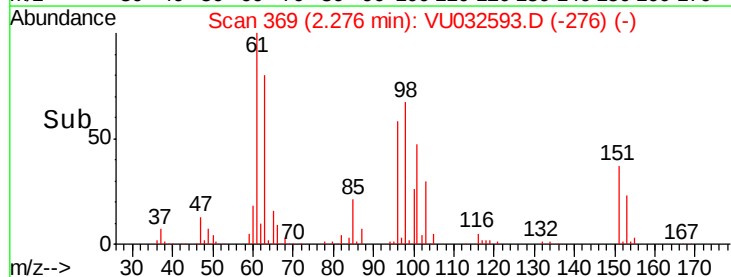
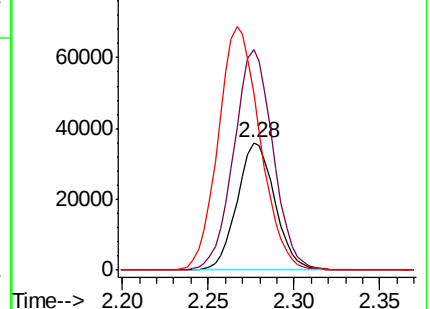
63 139.0 103.4 192.0

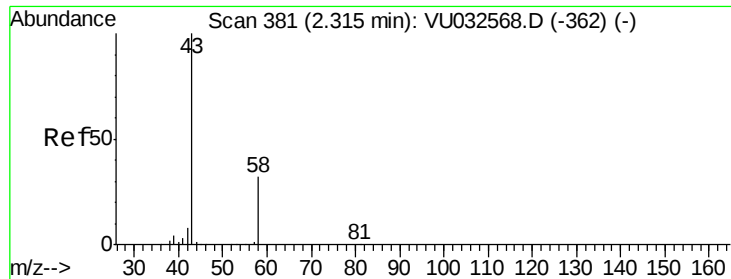


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 72.710 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

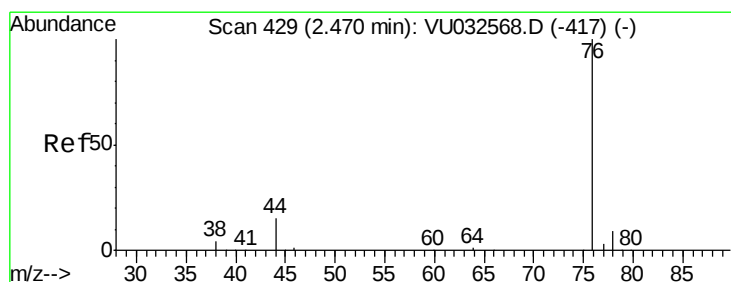
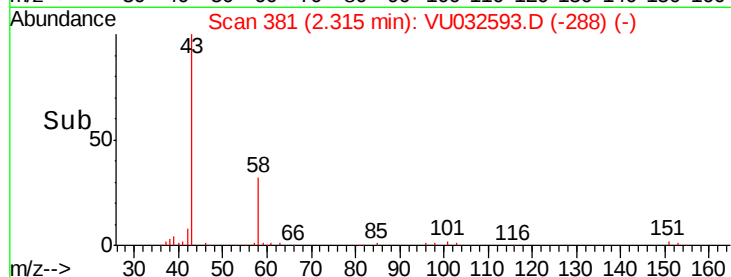
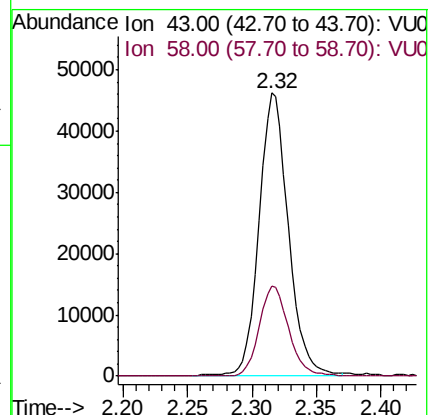
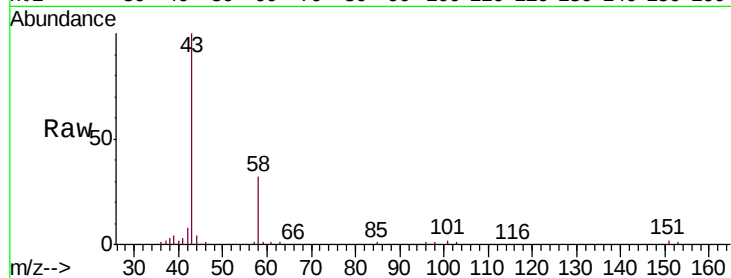
VSTD05042

Tgt Ion: 43 Resp: 72908

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.0



#14

Carbon disulfide

Concen: 49.579 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032593.D

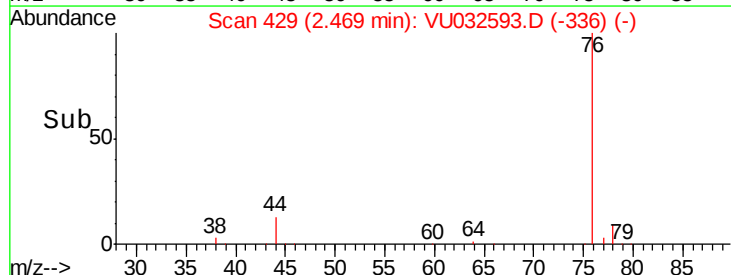
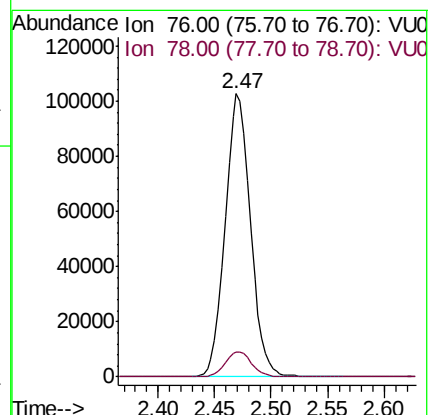
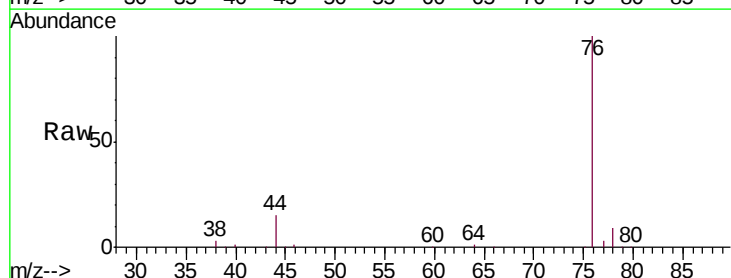
Acq: 11 Jun 2019 02:09

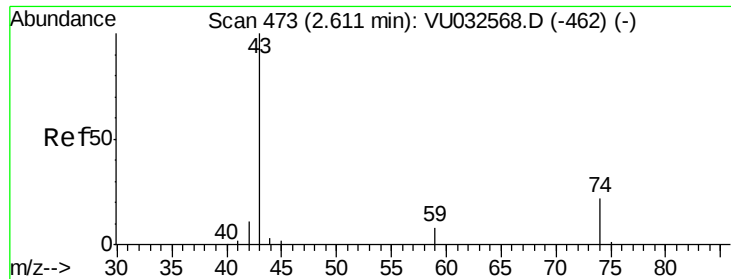
Tgt Ion: 76 Resp: 159993

Ion Ratio Lower Upper

76 100

78 8.7 7.6 11.4

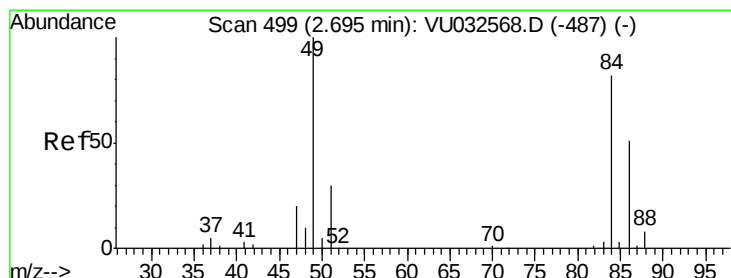
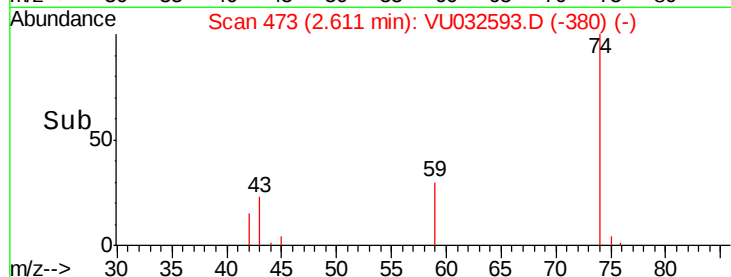
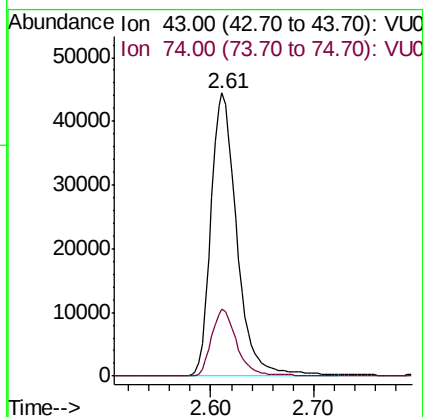
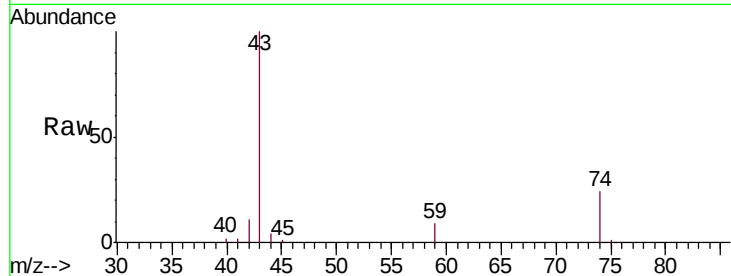




#15
Methyl Acetate
Concen: 54.300 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

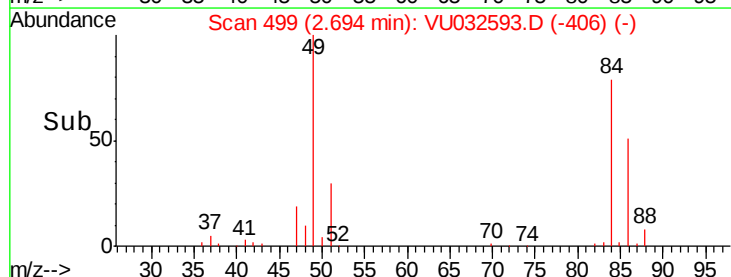
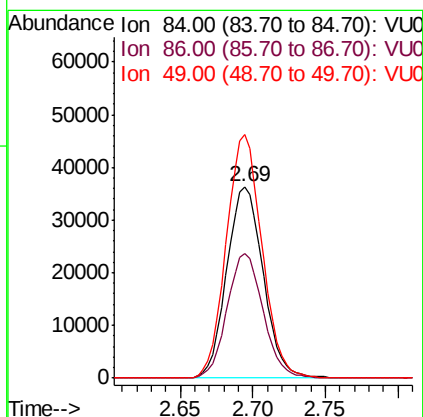
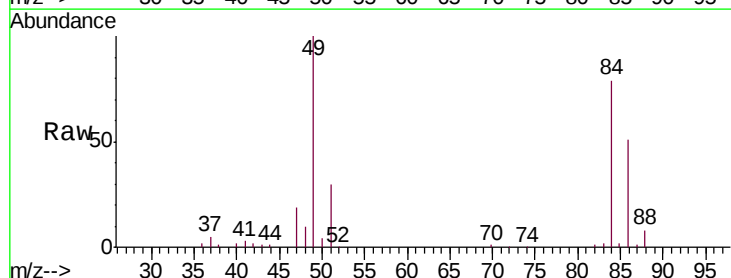
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

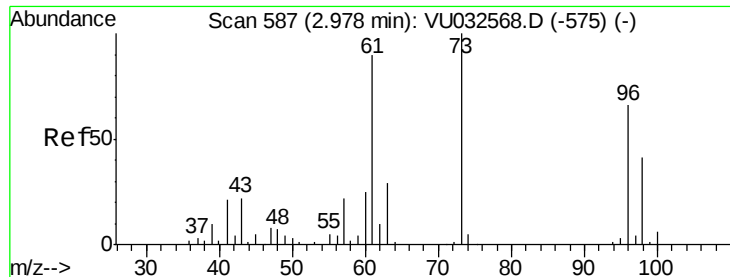
Tgt Ion: 43 Resp: 77739
Ion Ratio Lower Upper
43 100
74 22.9 18.0 27.0



#16
Methylene chloride
Concen: 52.365 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 84 Resp: 63460
Ion Ratio Lower Upper
84 100
86 65.2 44.7 82.9
49 127.3 86.1 159.9

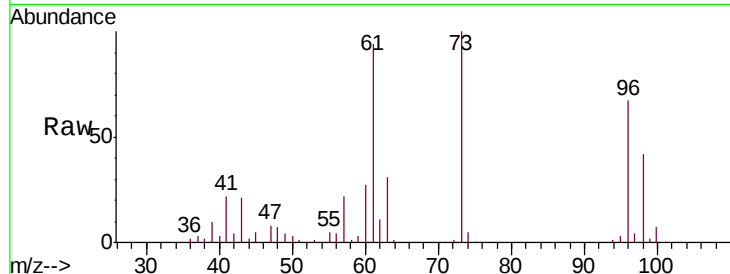




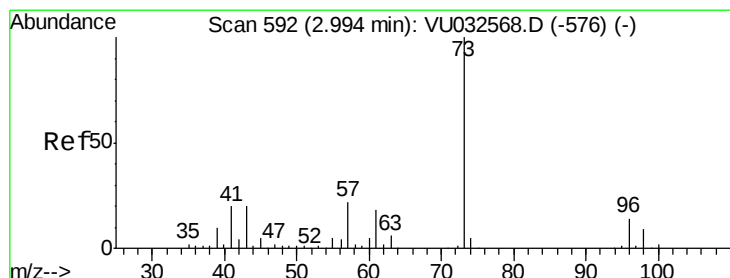
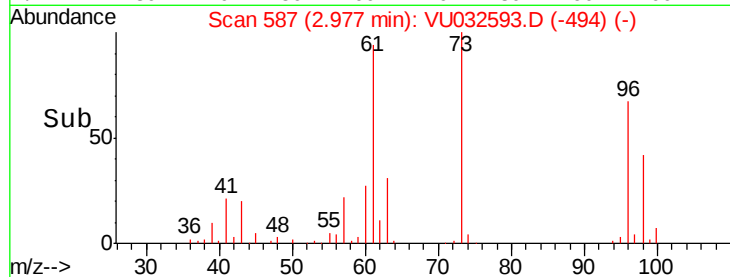
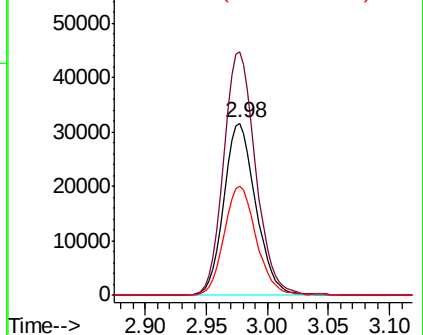
#17
trans-1,2-Dichloroethene
Concen: 50.689 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 96 Resp: 58338
Ion Ratio Lower Upper
96 100
61 141.5 95.7 177.7
98 63.7 44.0 81.6

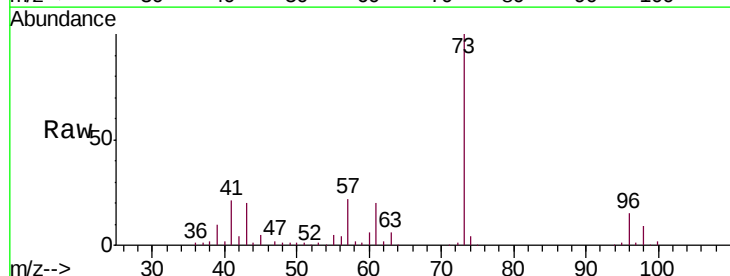


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

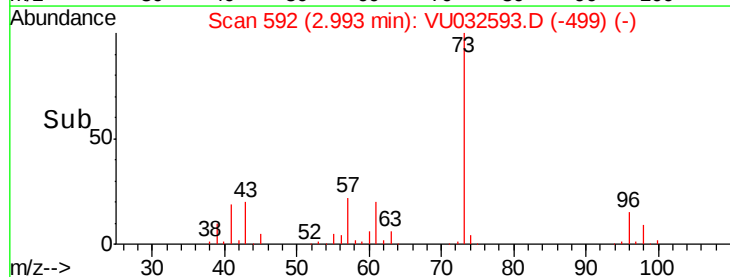
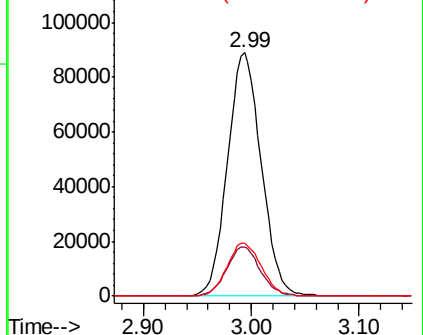


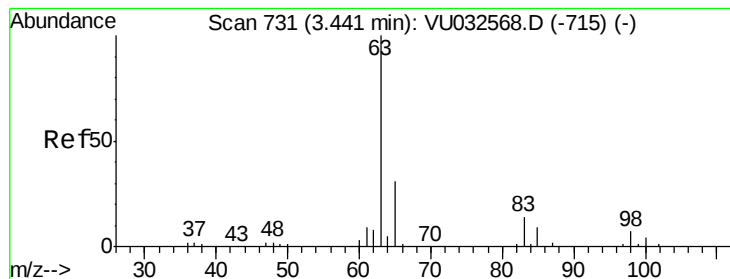
#18
Methyl tert-butyl Ether
Concen: 51.271 ug/L
RT: 2.99 min Scan# 592
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 73 Resp: 193859
Ion Ratio Lower Upper
73 100
43 20.3 15.8 23.6
57 22.1 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 53.254 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

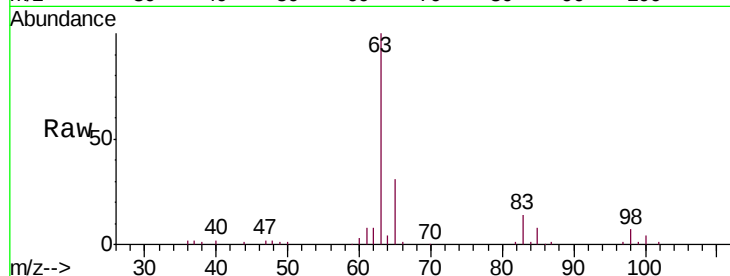
Tgt Ion: 63 Resp: 111731

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.6

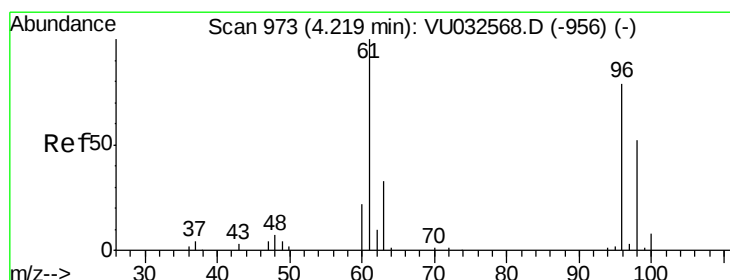
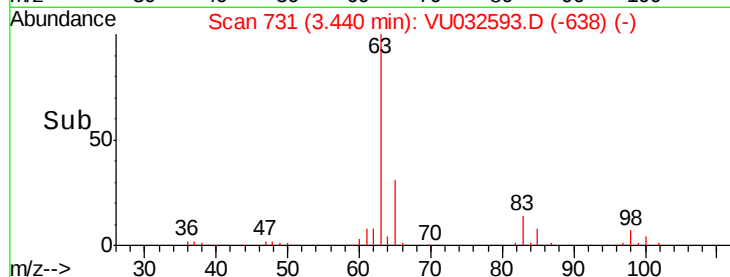
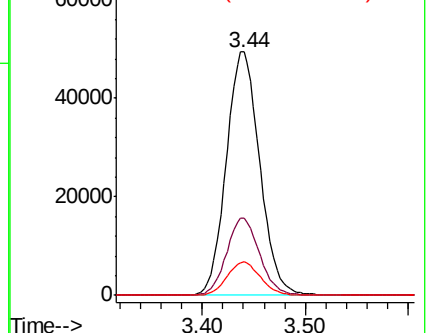
83 13.6 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VU032568.D (-715) (-)

Ion 65.00 (64.70 to 65.70): VU032568.D (-715) (-)

Ion 83.00 (82.70 to 83.70): VU032568.D (-715) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.884 ug/L

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

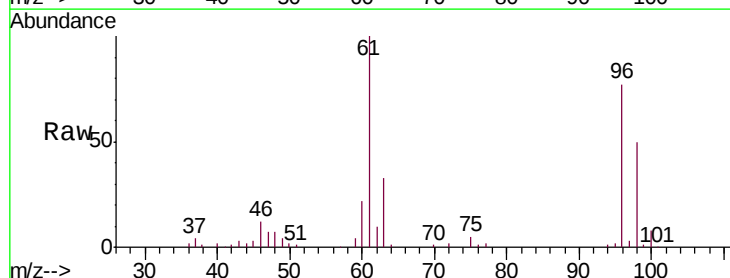
Tgt Ion: 96 Resp: 66277

Ion Ratio Lower Upper

96 100

61 129.8 87.2 162.0

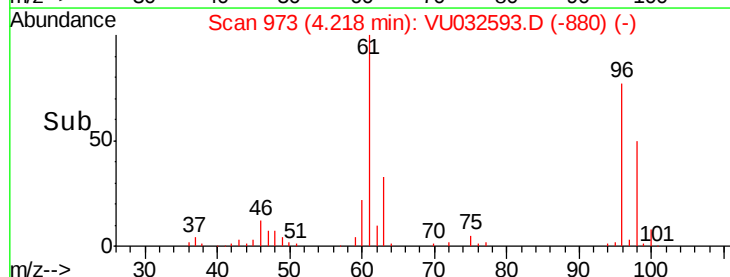
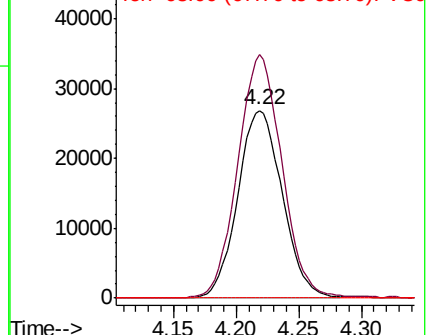
68 0.0 0.0 0.0

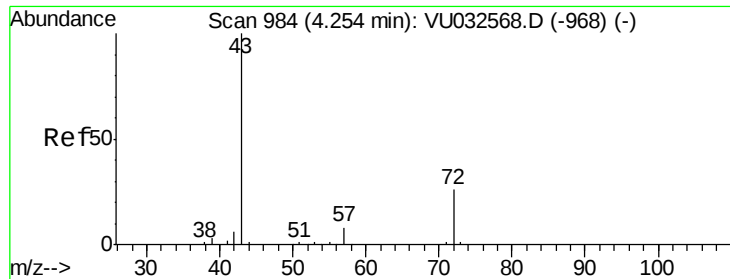


Abundance Ion 96.00 (95.70 to 96.70): VU032568.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032568.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032568.D (-956) (-)





#22

2-Butanone

Concen: 94.534 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

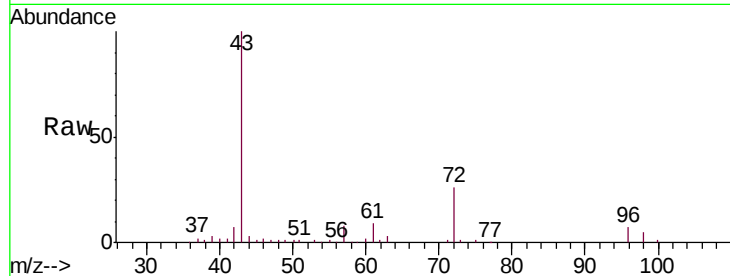
VSTD05042

Tgt Ion: 43 Resp: 112033

Ion Ratio Lower Upper

43 100

72 27.6 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU032568.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU032568.D (-968) (-)

4.25

50000

40000

30000

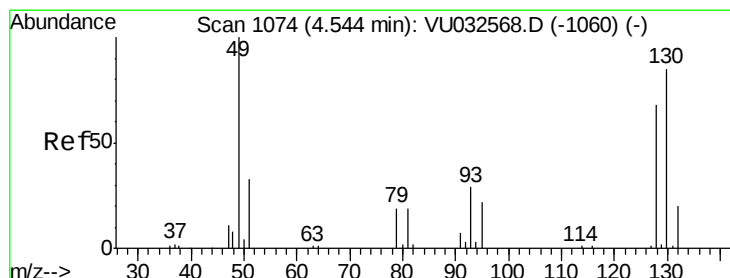
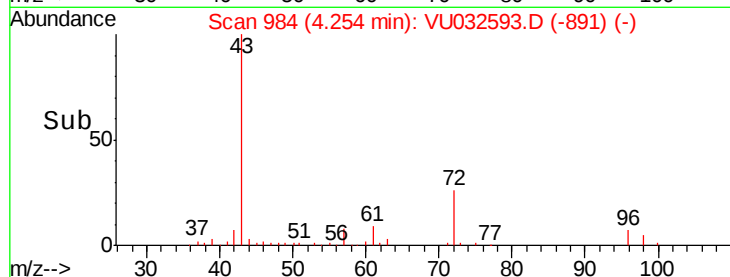
20000

10000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 50.301 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Tgt Ion: 128 Resp: 34066

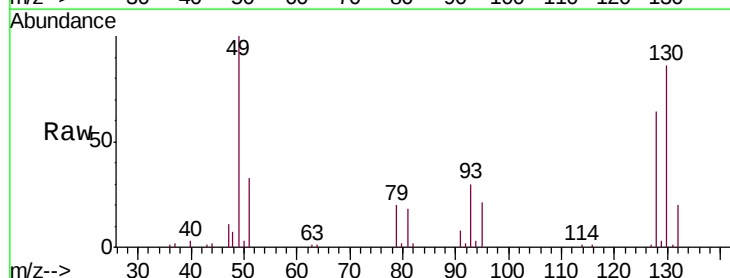
Ion Ratio Lower Upper

128 100

49 155.9 103.7 192.5

130 134.1 92.2 171.2

51 51.0 37.7 56.5



Abundance Ion 128.00 (127.70 to 128.70): VU032568.D (-1060) (-)

Ion 49.00 (48.70 to 49.70): VU032568.D (-1060) (-)

Ion 130.00 (129.70 to 130.70): VU032568.D (-1060) (-)

Ion 51.00 (50.70 to 51.70): VU032568.D (-1060) (-)

4.54

30000

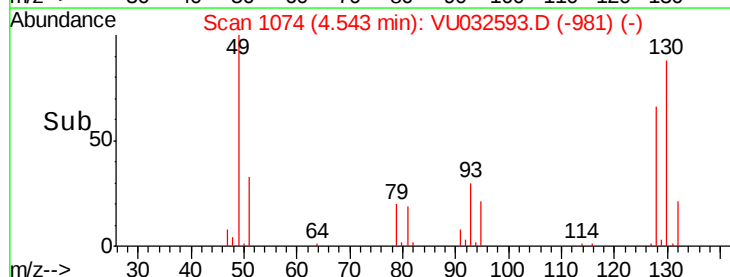
20000

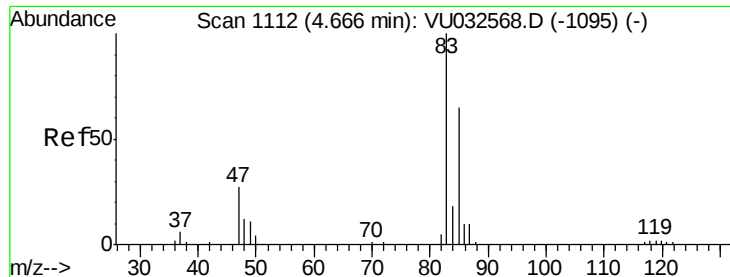
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->

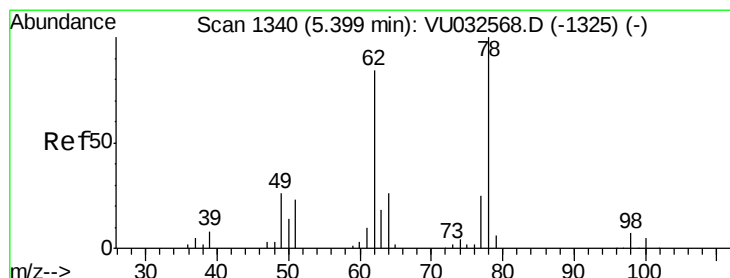
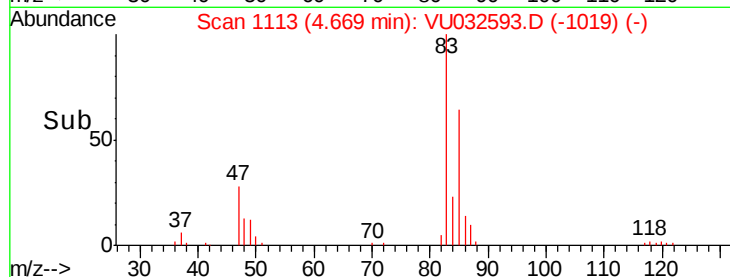
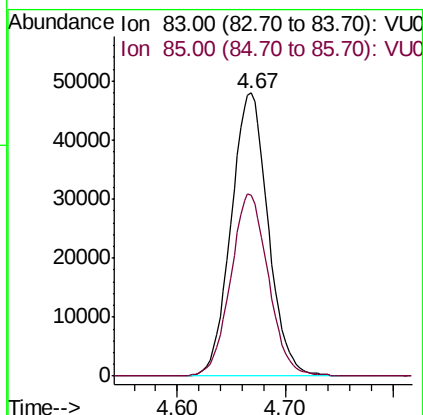
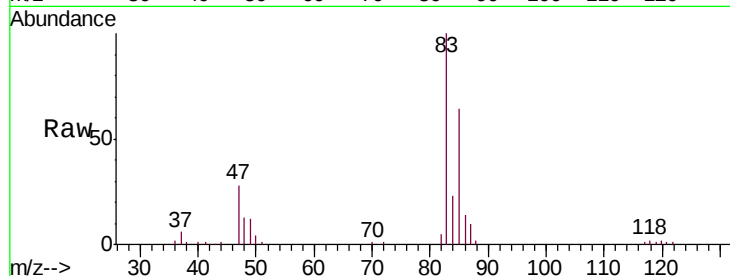




#25
Chloroform
Concen: 52.976 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

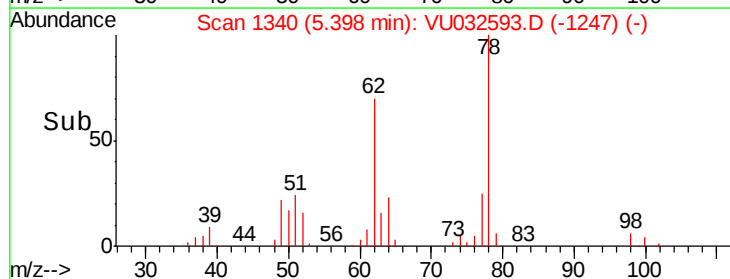
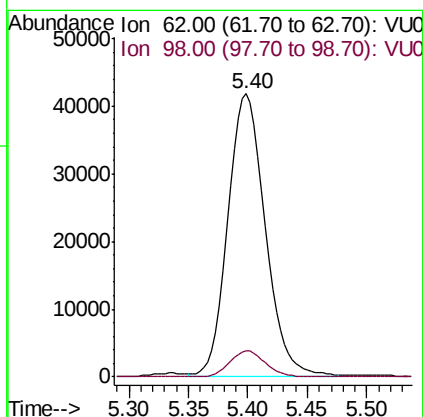
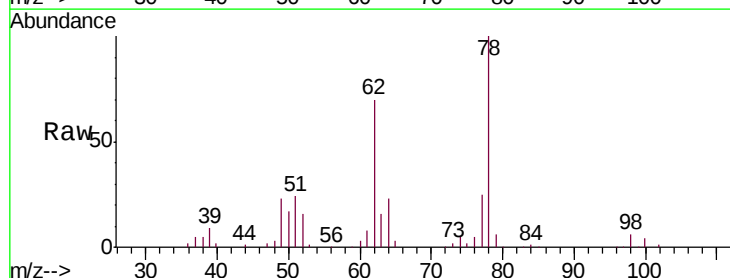
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

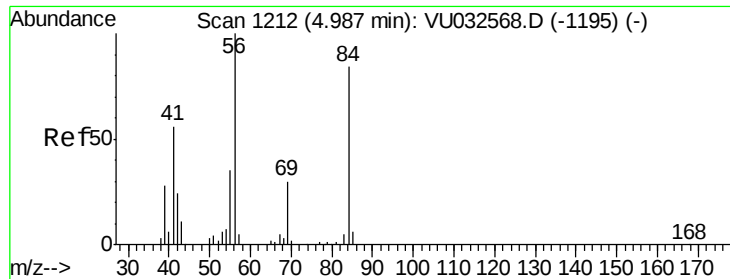
Tgt Ion: 83 Resp: 114699
Ion Ratio Lower Upper
83 100
85 64.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 53.467 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 62 Resp: 91514
Ion Ratio Lower Upper
62 100
98 9.3 7.2 10.8

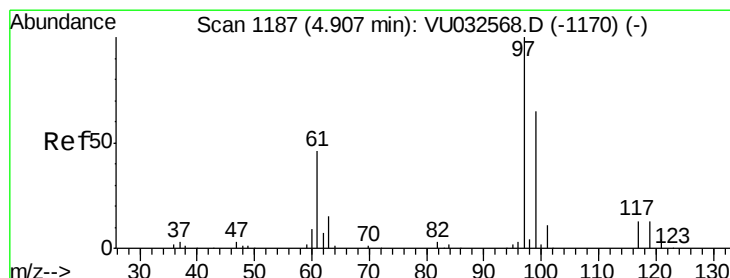
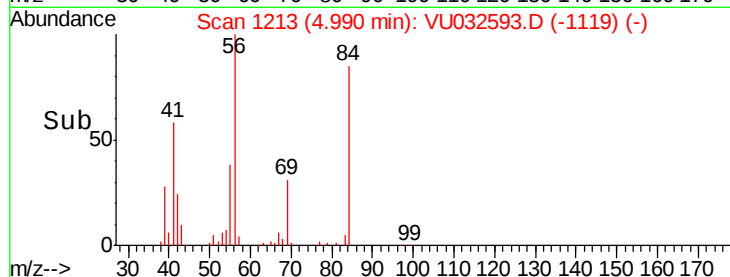
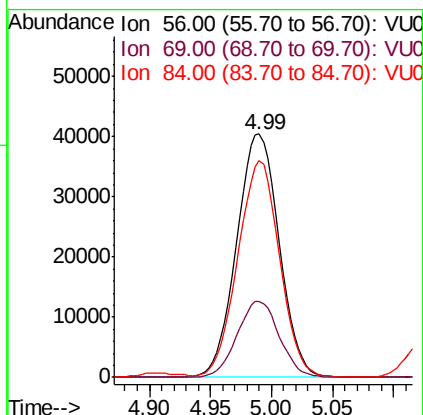
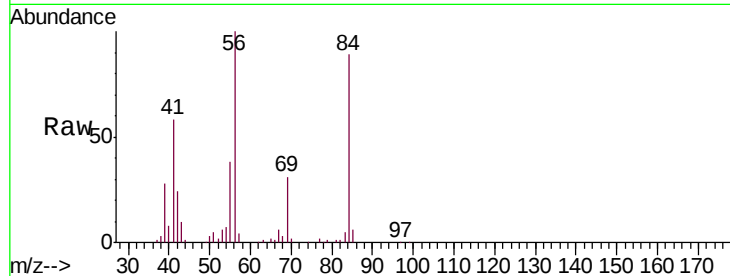




#29
Cyclohexane
Concen: 47.448 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

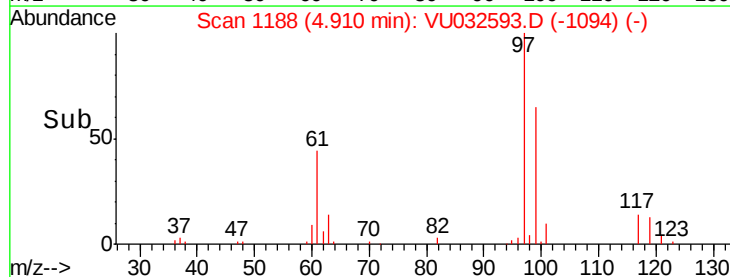
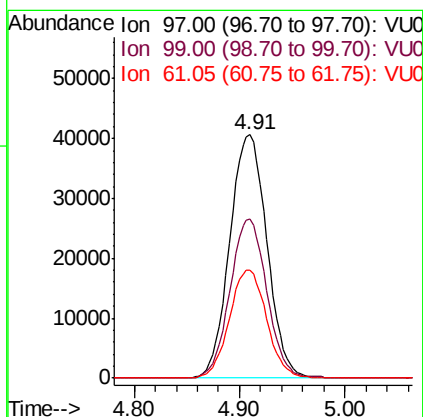
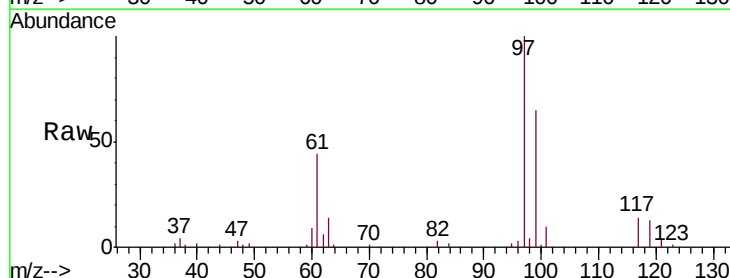
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

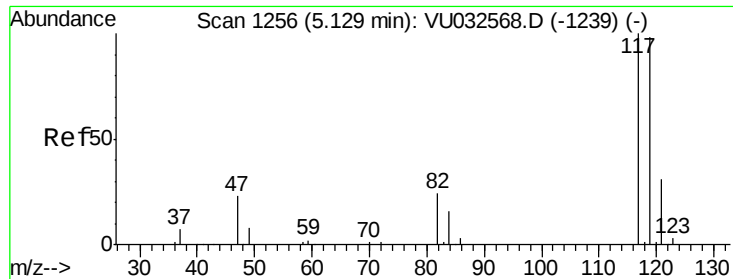
Tgt Ion: 56 Resp: 97575
Ion Ratio Lower Upper
56 100
69 30.8 24.7 37.1
84 87.5 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 50.919 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 97 Resp: 99658
Ion Ratio Lower Upper
97 100
99 64.7 50.5 75.7
61 44.2 33.8 50.6





#31

Carbon tetrachloride

Concen: 50.824 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

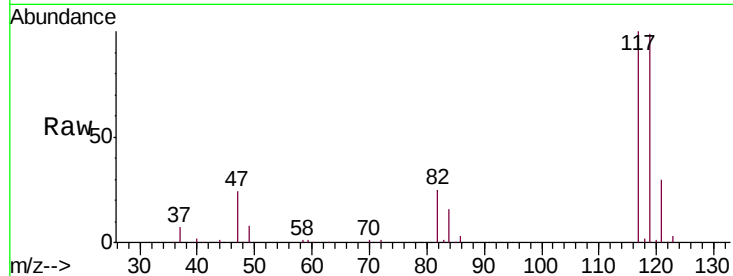
VSTD05042

Tgt Ion:117 Resp: 91170

Ion Ratio Lower Upper

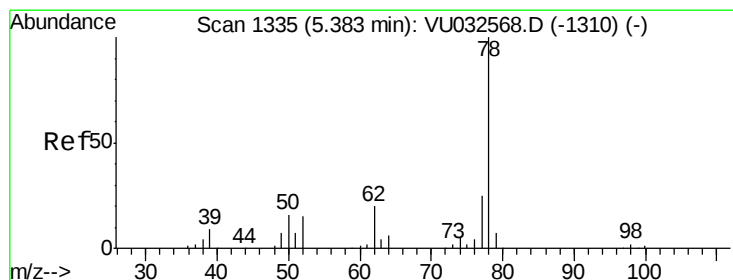
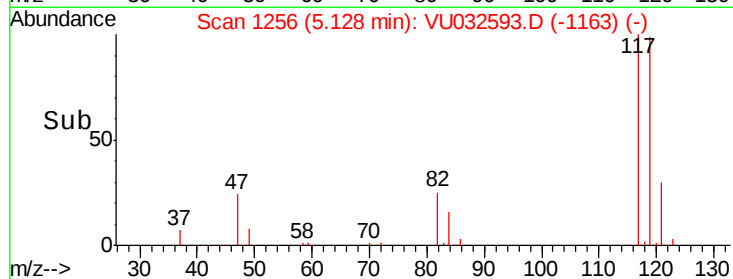
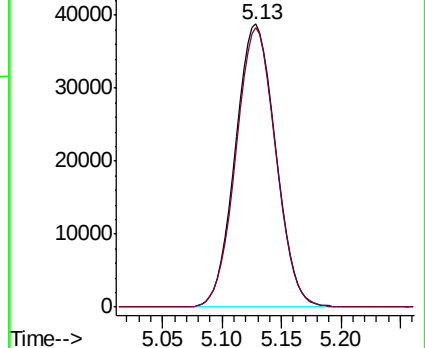
117 100

119 97.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.757 ug/L

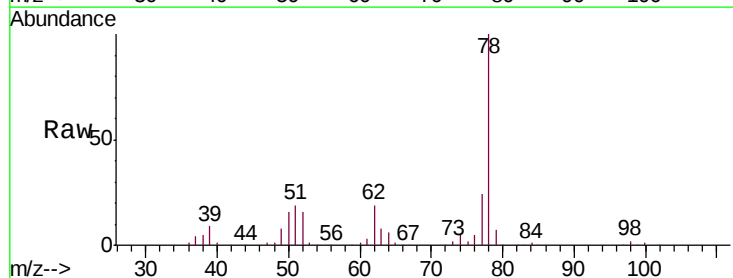
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

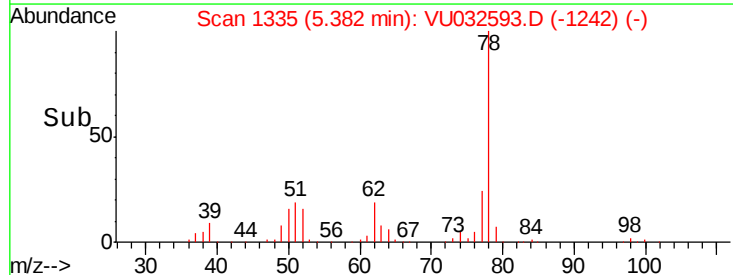
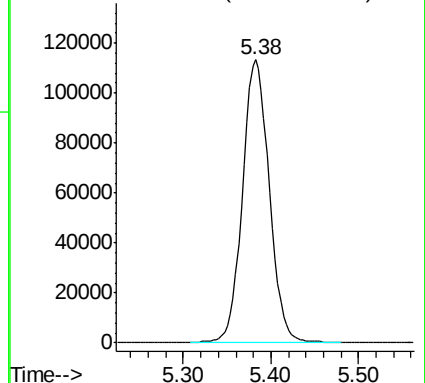
Lab File: VU032593.D

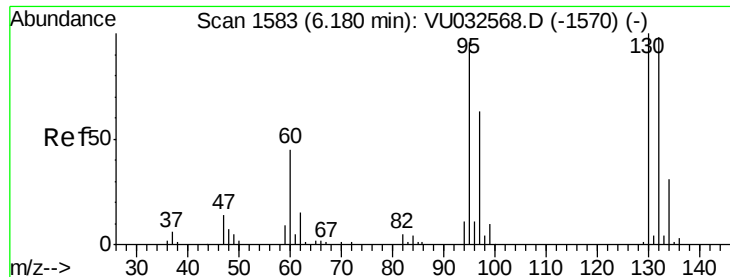
Acq: 11 Jun 2019 02:09

Tgt Ion: 78 Resp: 241702



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.880 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 95 Resp: 67243

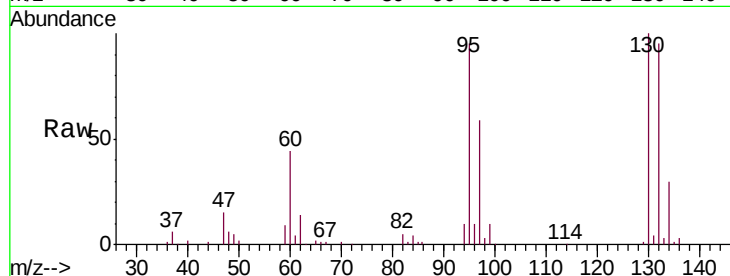
Ion Ratio Lower Upper

95 100

97 62.2 45.8 85.2

132 99.3 71.0 131.8

130 105.0 73.4 136.2

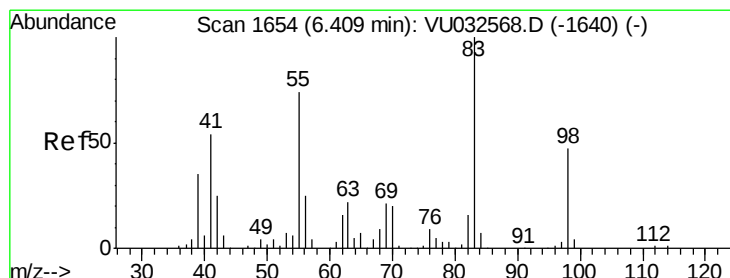
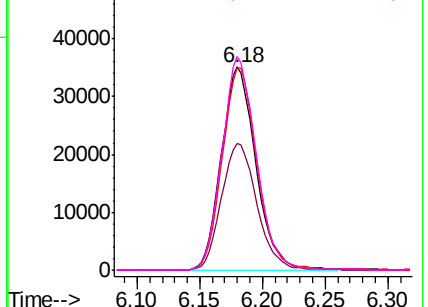
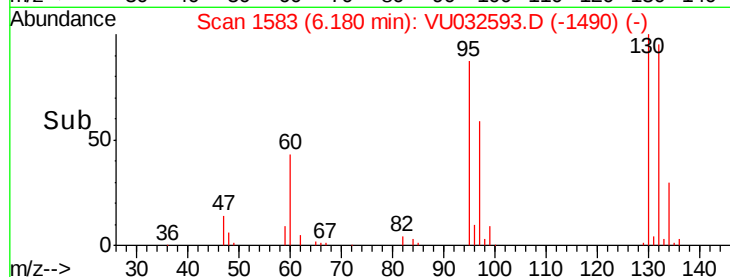


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 47.290 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

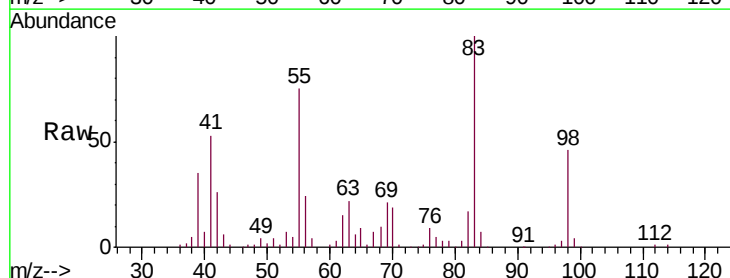
Tgt Ion: 83 Resp: 101179

Ion Ratio Lower Upper

83 100

55 73.9 60.2 90.4

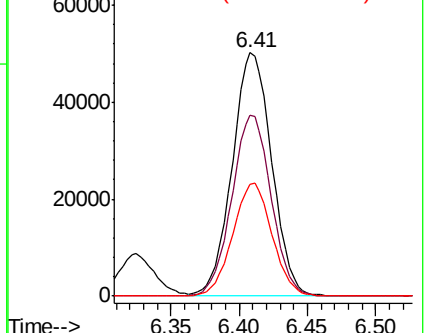
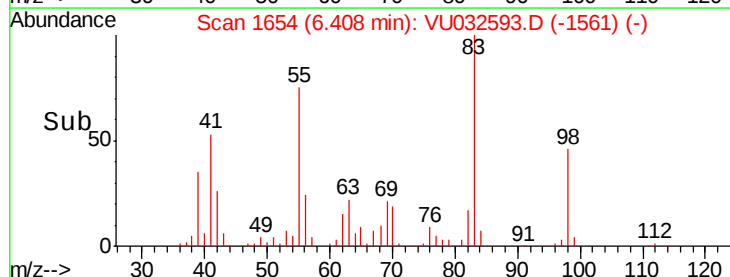
98 46.1 37.4 56.2

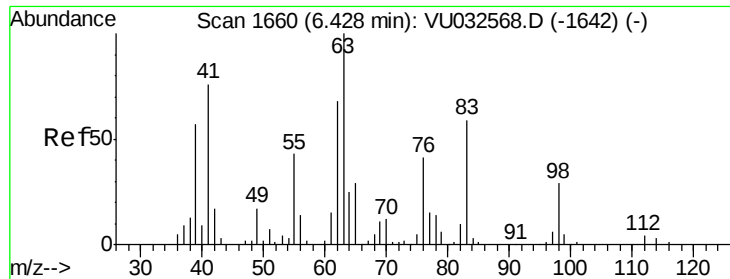


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

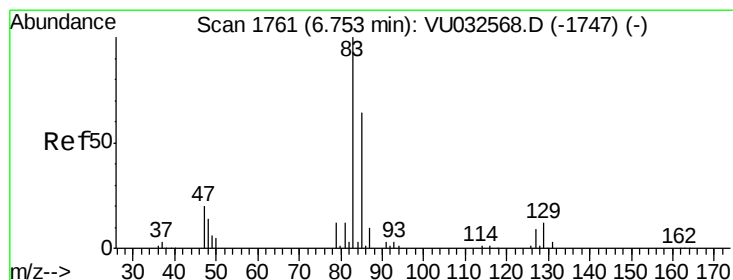
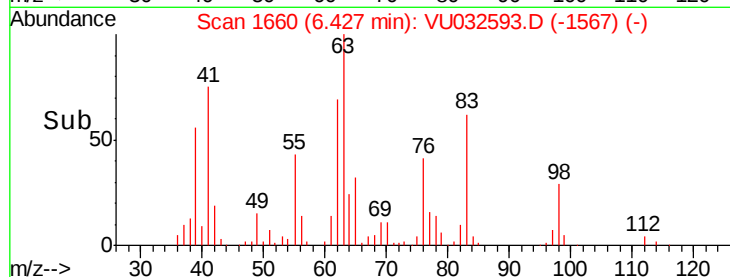
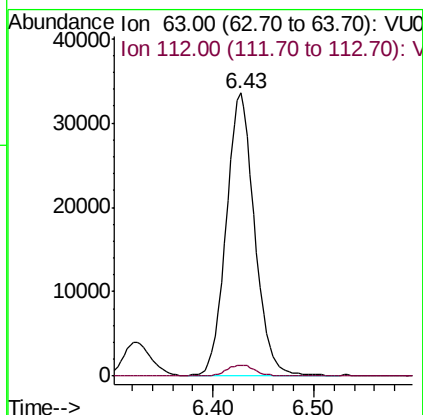
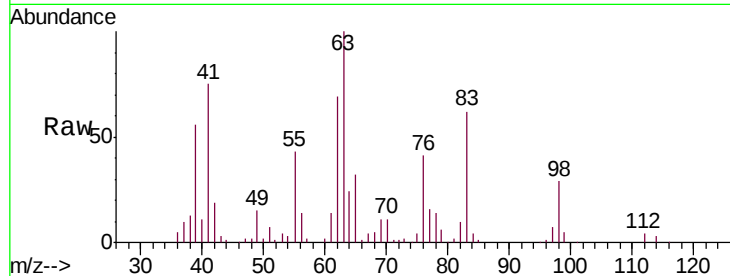




#37
 1,2-Dichloropropane
 Concen: 51.234 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

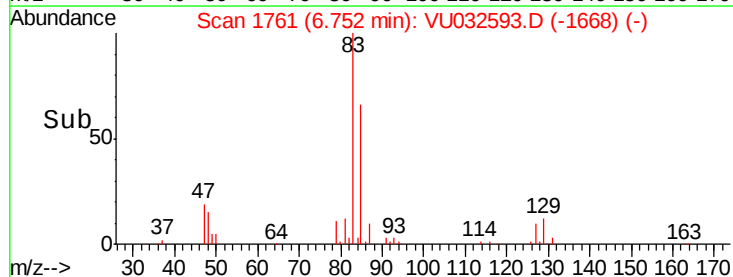
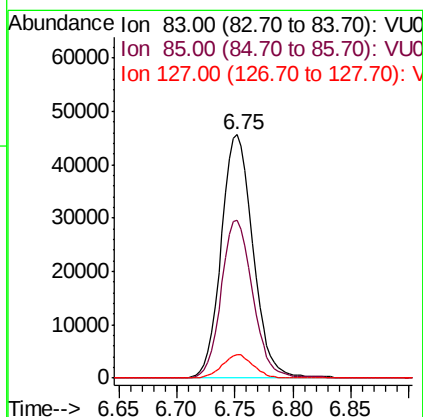
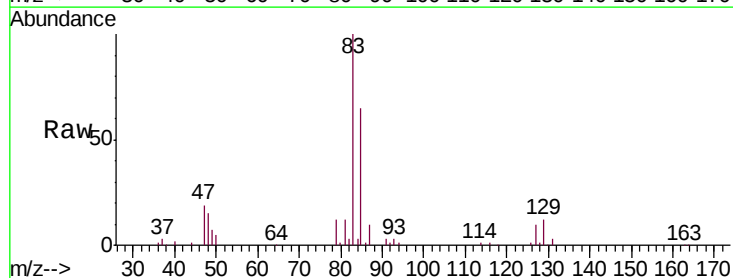
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

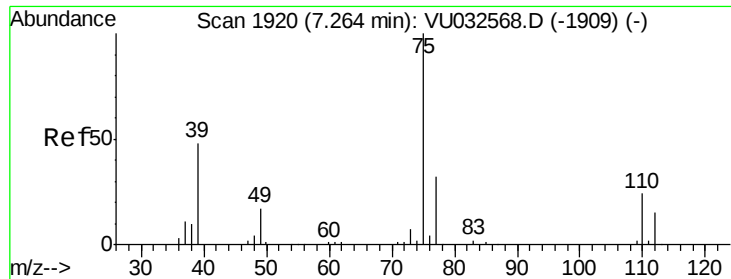
Tgt Ion: 63 Resp: 65975
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.237 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Tgt Ion: 83 Resp: 86613
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.4 84.4
 127 9.7 7.4 11.2

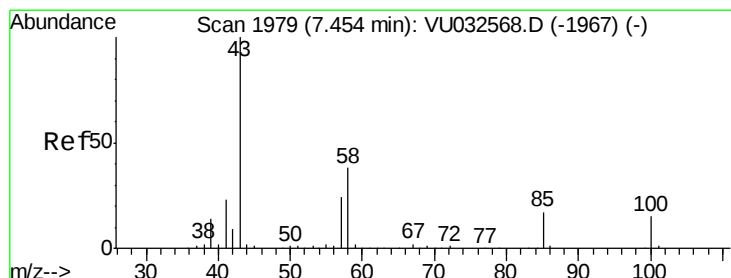
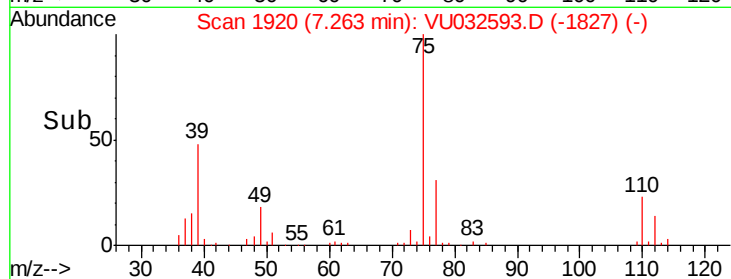
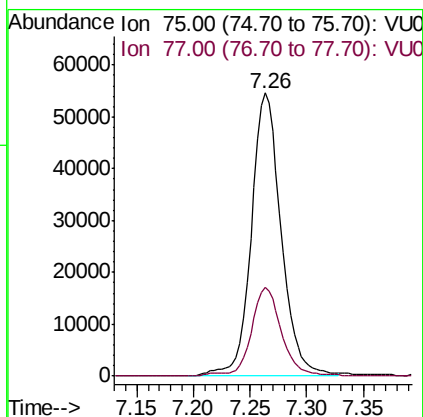
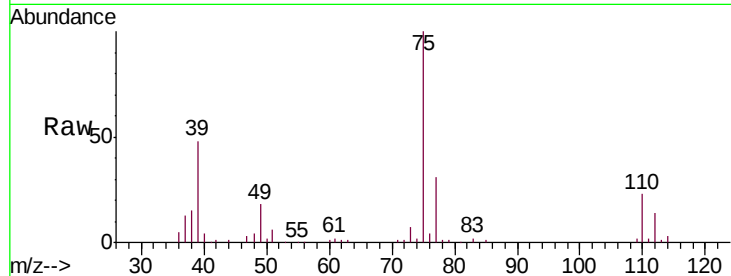




#39
 cis-1,3-Dichloropropene
 Concen: 49.315 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

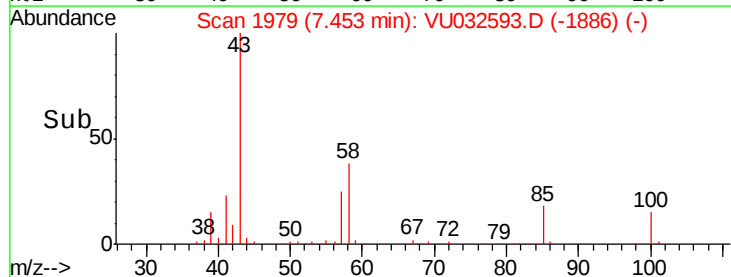
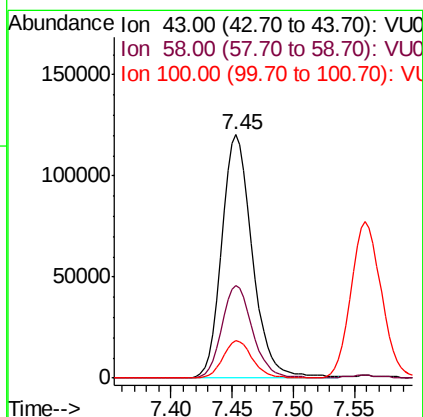
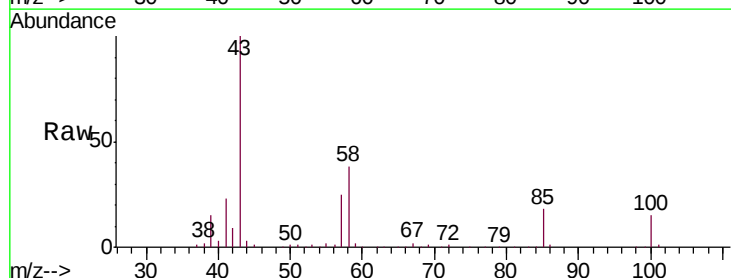
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

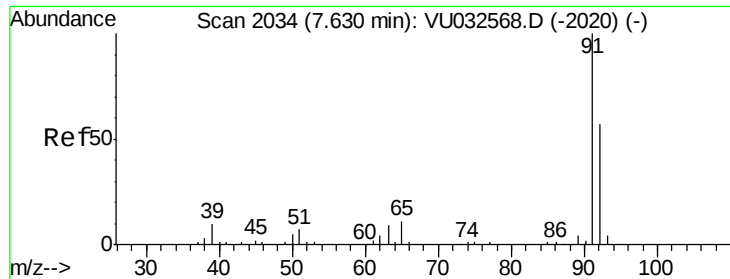
Tgt Ion: 75 Resp: 100194
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 102.808 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Tgt Ion: 43 Resp: 212981
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.8 46.2
 100 14.8 12.1 18.1





#42

Toluene

Concen: 49.397 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

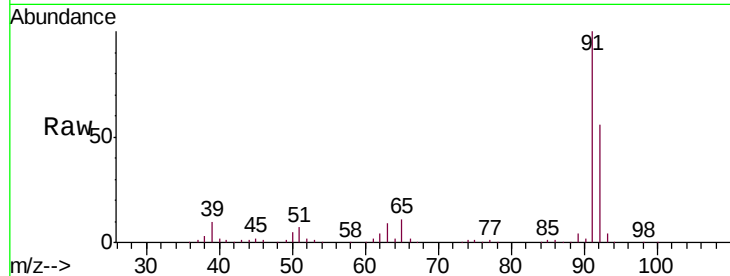
VSTD05042

Tgt Ion: 91 Resp: 262793

Ion Ratio Lower Upper

91 100

92 56.5 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032568.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032568.D (-2020) (-)

7.63

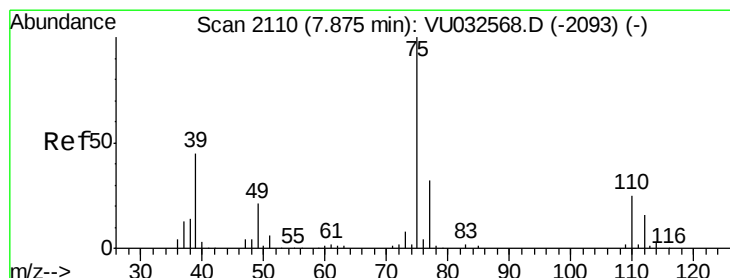
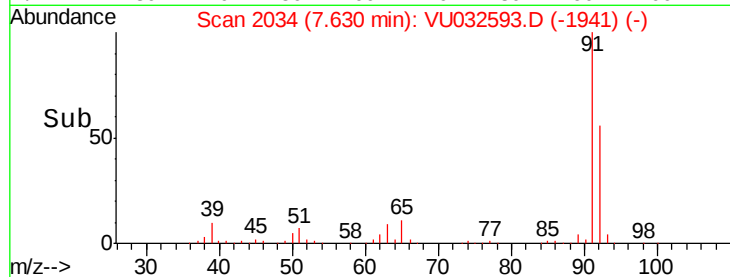
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.926 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032593.D

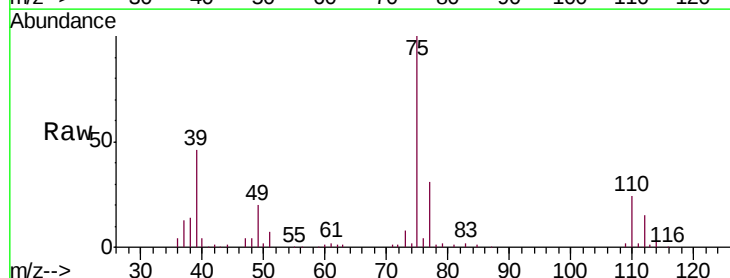
Acq: 11 Jun 2019 02:09

Tgt Ion: 75 Resp: 90034

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032568.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032568.D (-2093) (-)

7.87

60000

50000

40000

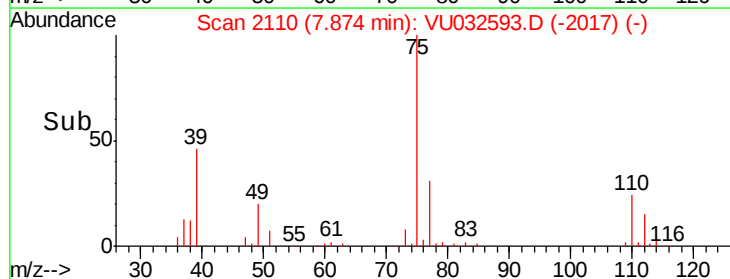
30000

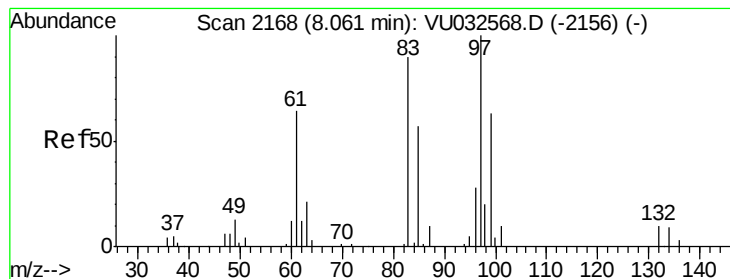
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.142 ug/L

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 97 Resp: 62277

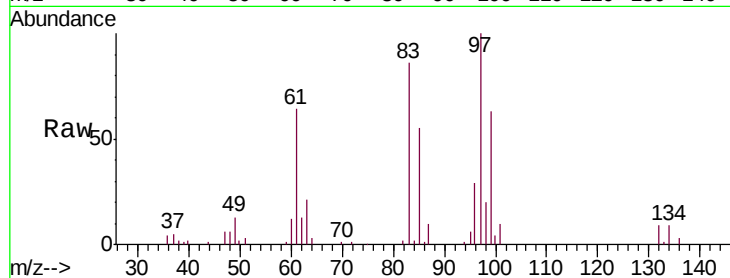
Ion Ratio Lower Upper

97 100

99 62.9 44.1 81.9

83 86.0 59.4 110.2

85 55.2 39.1 72.7

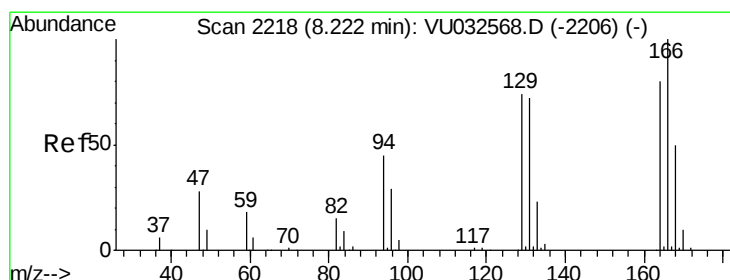
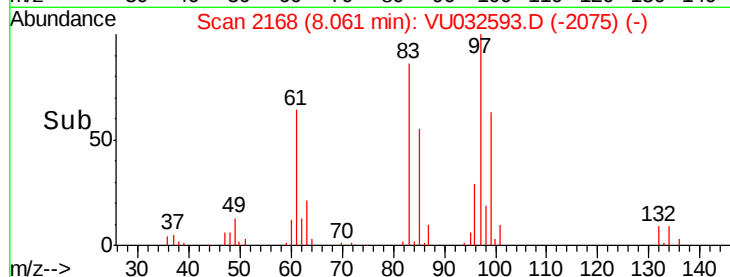
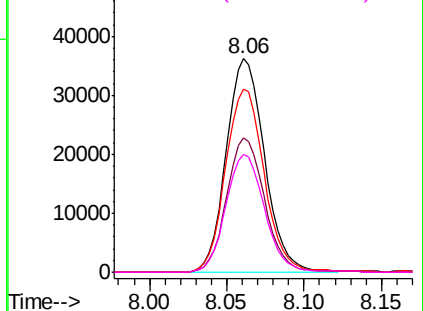


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 48.987 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Tgt Ion: 164 Resp: 53471

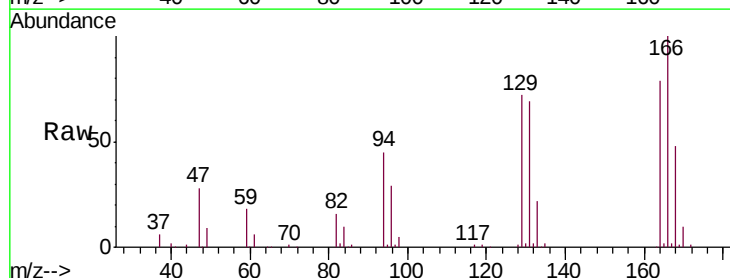
Ion Ratio Lower Upper

164 100

129 91.6 65.3 121.3

131 87.3 64.0 119.0

166 127.3 88.8 165.0

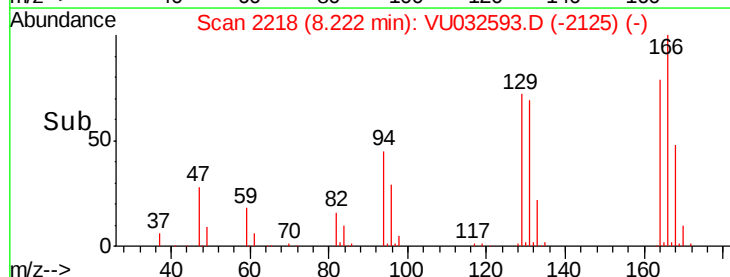
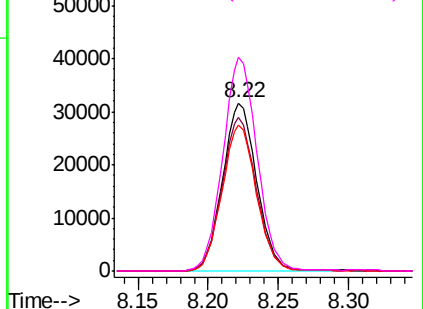


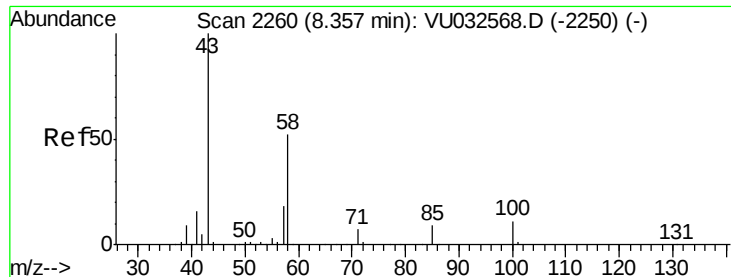
Abundance Ion 164.00 (163.70 to 164.70): V

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

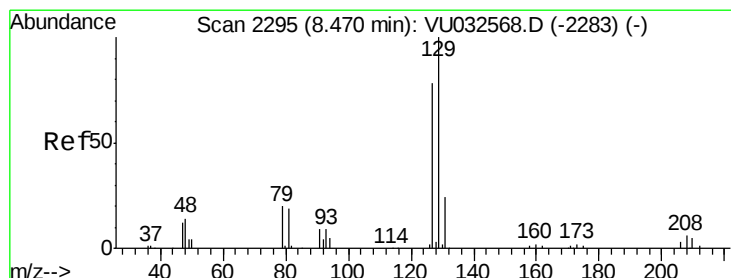
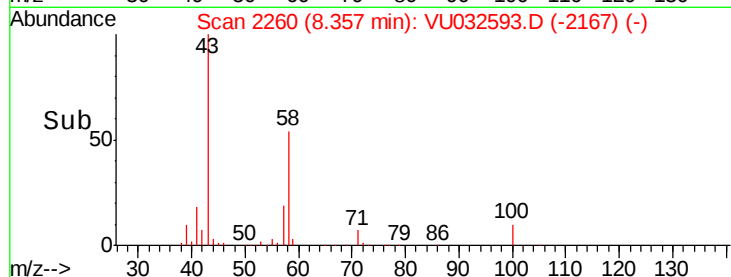
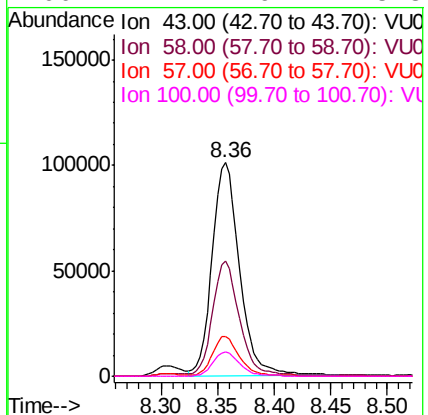
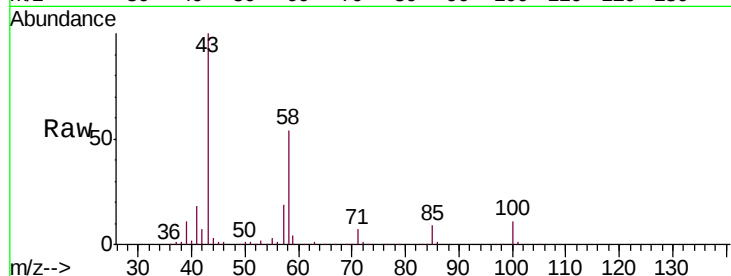




#48
2-Hexanone
Concen: 100.341 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

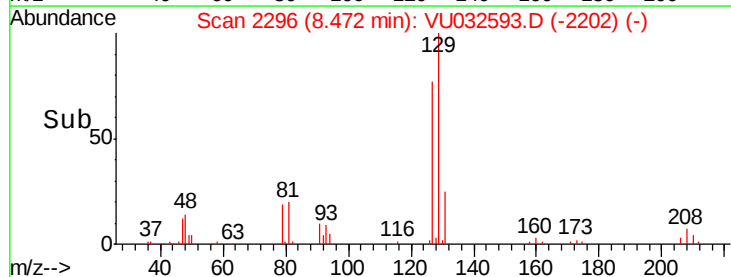
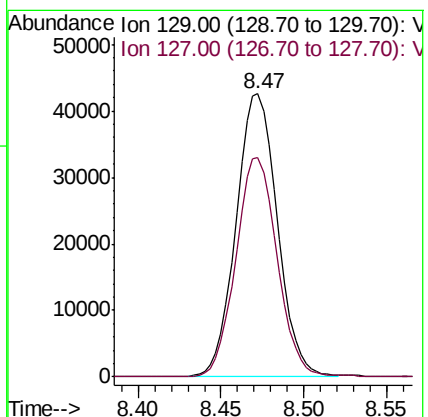
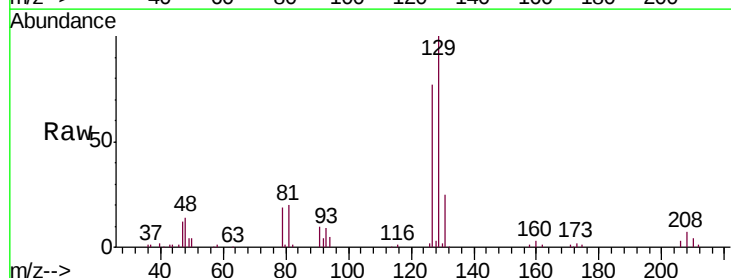
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

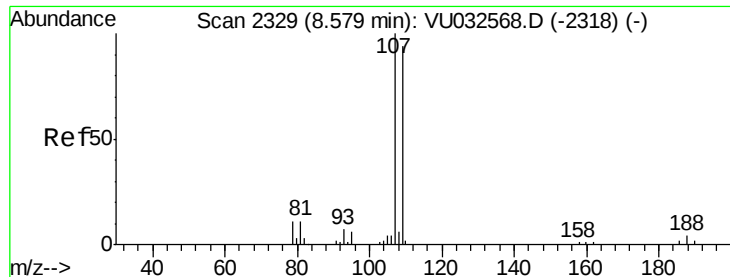
Tgt Ion: 43 Resp: 170734
Ion Ratio Lower Upper
43 100
58 52.1 42.0 63.0
57 18.4 14.6 22.0
100 11.2 9.2 13.8



#49
Dibromochloromethane
Concen: 52.179 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 129 Resp: 73853
Ion Ratio Lower Upper
129 100
127 77.4 53.6 99.6

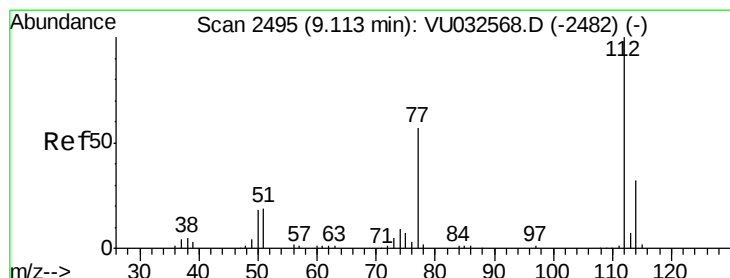
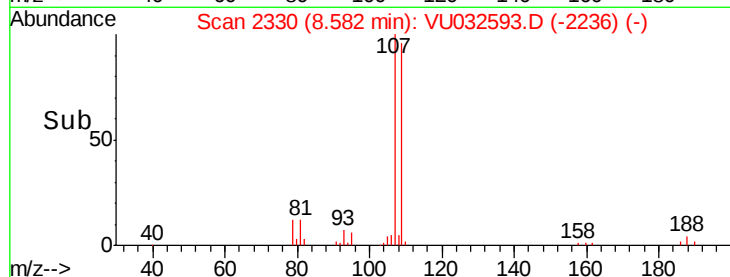
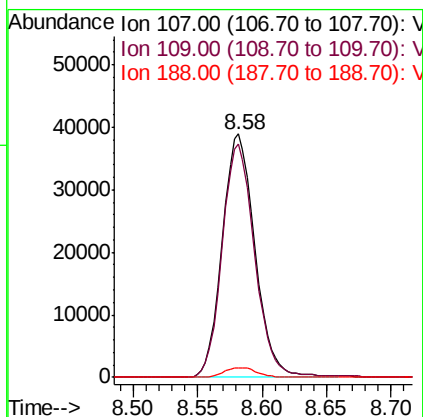
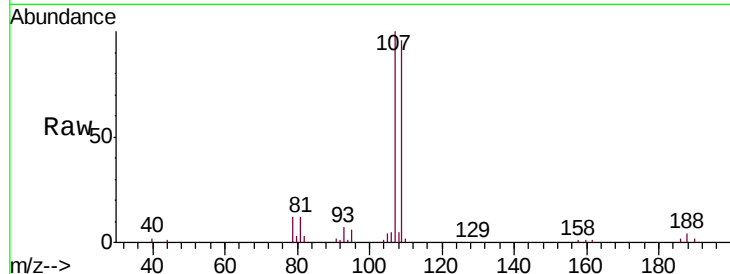




#50
1,2-Dibromoethane
Concen: 50.103 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

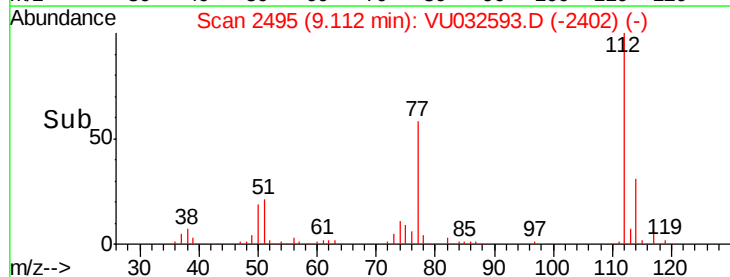
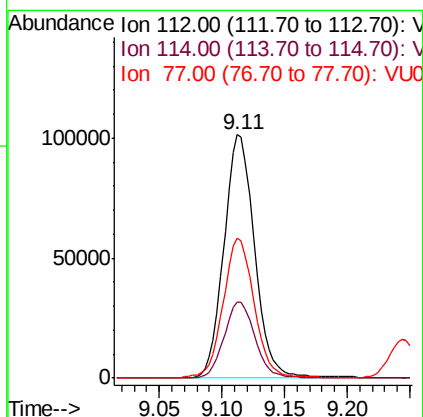
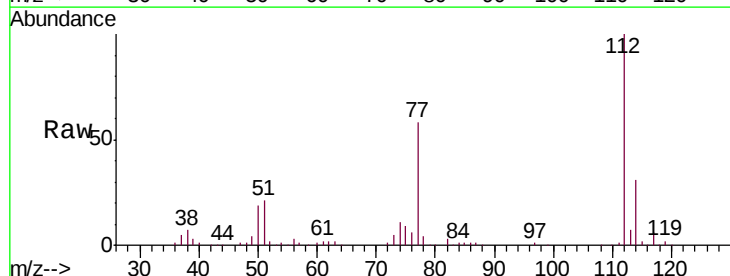
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

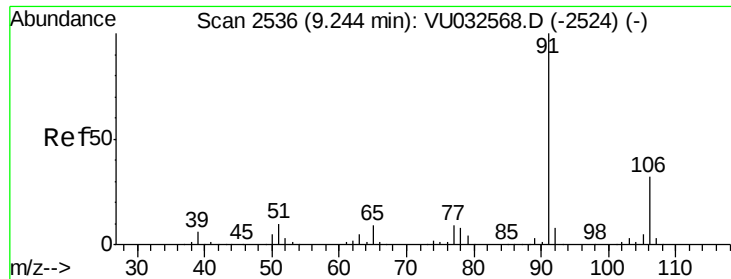
Tgt Ion:107 Resp: 68673
Ion Ratio Lower Upper
107 100
109 95.6 66.8 124.0
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 50.154 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion:112 Resp: 171902
Ion Ratio Lower Upper
112 100
114 31.4 22.6 42.0
77 57.7 46.1 69.1

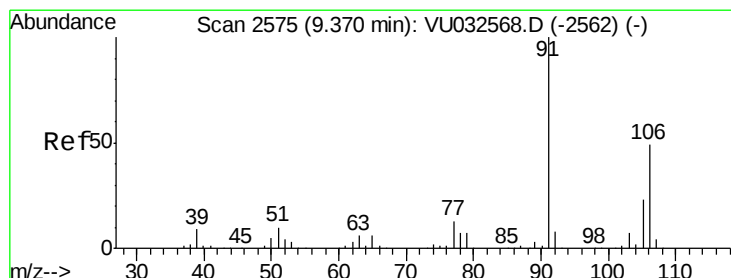
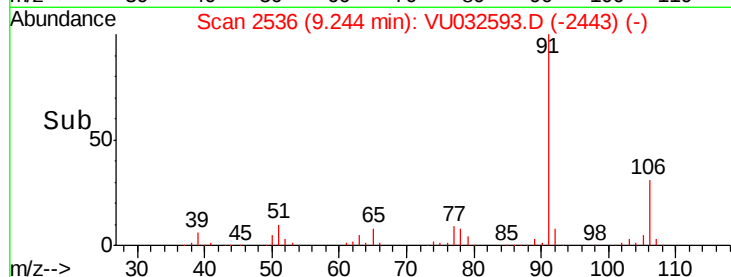
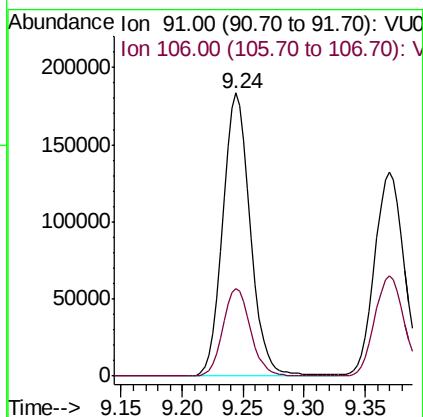
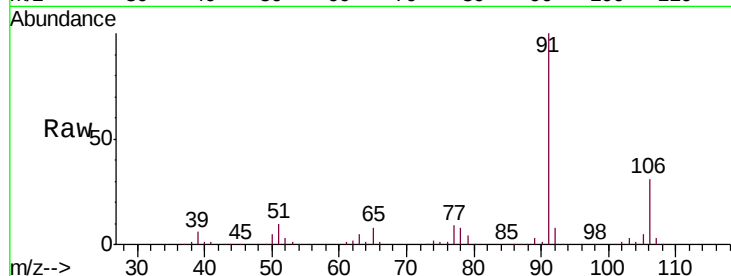




#52
Ethylbenzene
Concen: 49.275 ug/L
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

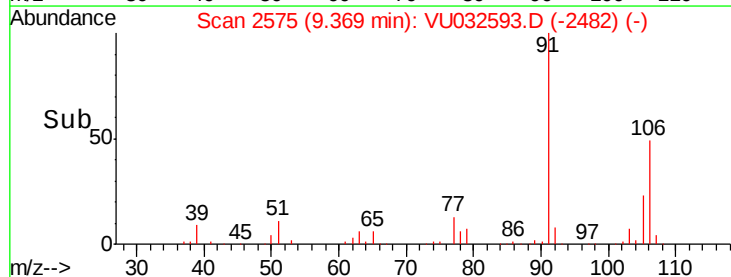
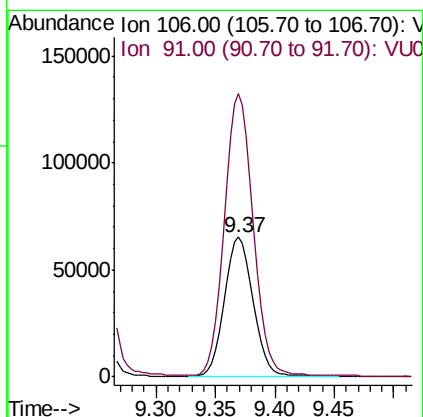
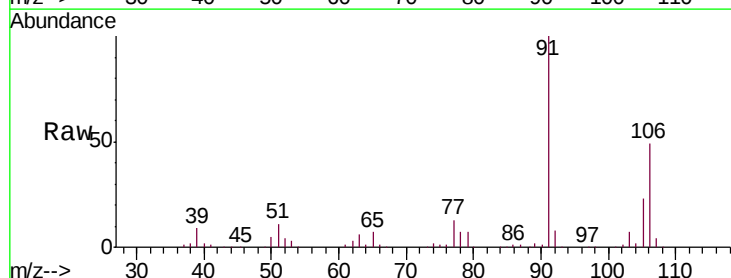
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

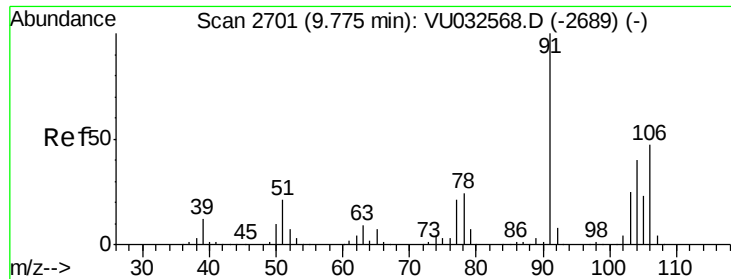
Tgt Ion: 91 Resp: 292200
Ion Ratio Lower Upper
91 100
106 31.1 22.0 41.0



#53
m,p-Xylene
Concen: 48.939 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU032593.D
Acq: 11 Jun 2019 02:09

Tgt Ion: 106 Resp: 110353
Ion Ratio Lower Upper
106 100
91 202.6 141.7 263.1





#54

o-xylene

Concen: 49.017 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

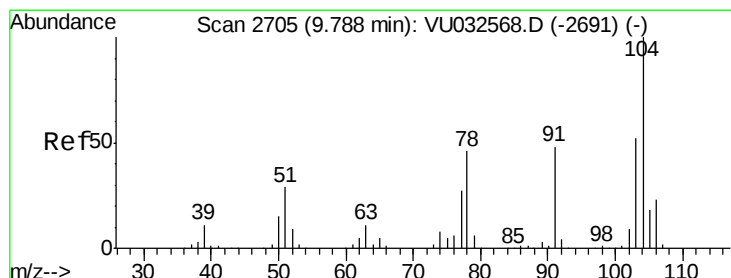
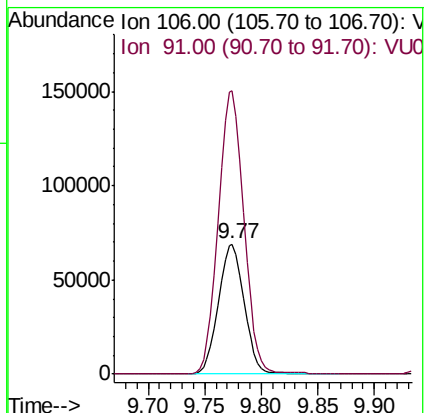
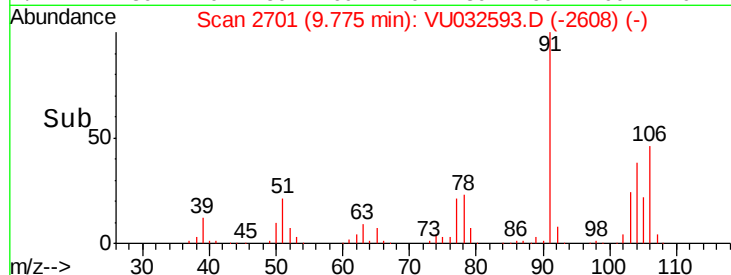
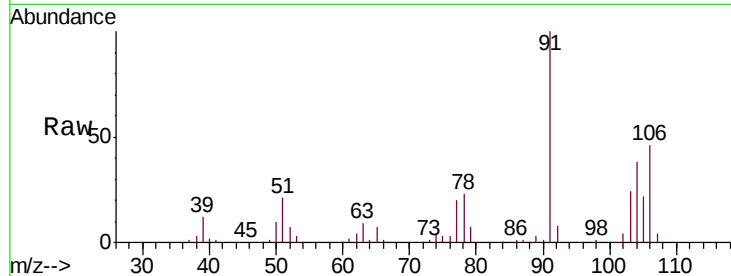
VSTD05042

Tgt Ion:106 Resp: 109742

Ion Ratio Lower Upper

106 100

91 217.6 150.1 278.7



#55

Styrene

Concen: 50.162 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032593.D

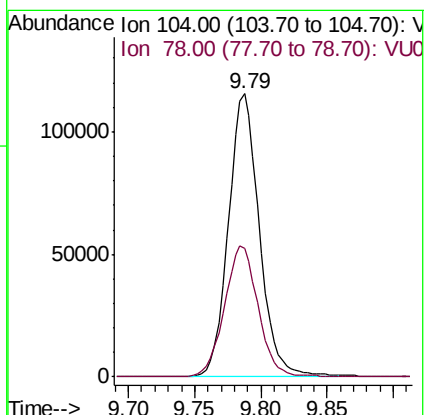
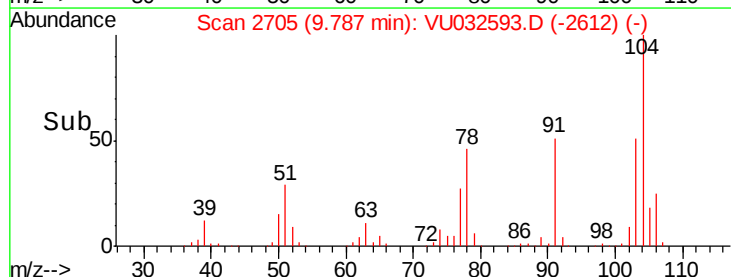
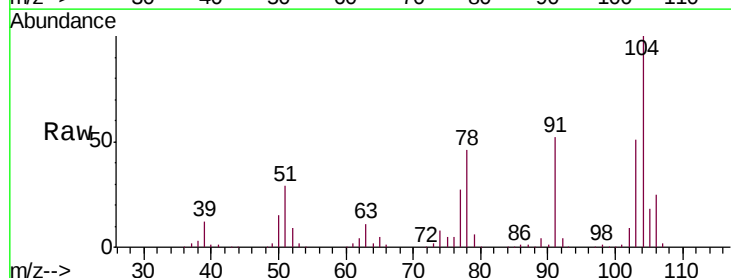
Acq: 11 Jun 2019 02:09

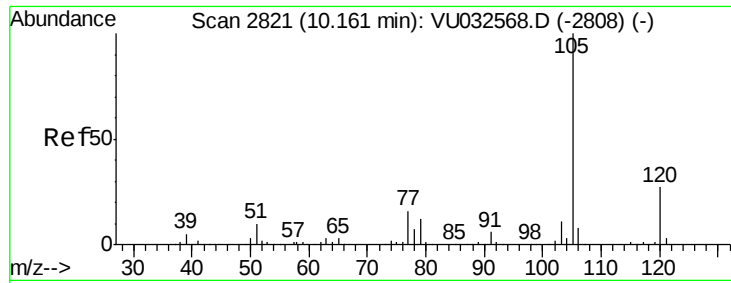
Tgt Ion:104 Resp: 187485

Ion Ratio Lower Upper

104 100

78 45.6 31.6 58.6





#56

Isopropylbenzene

Concen: 49.372 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

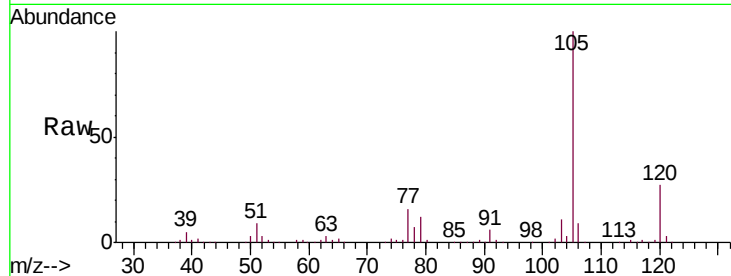
Tgt Ion: 105 Resp: 291470

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

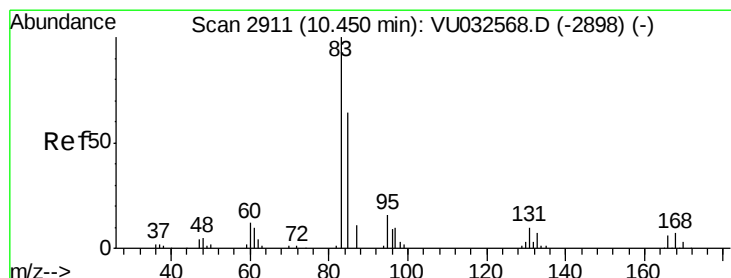
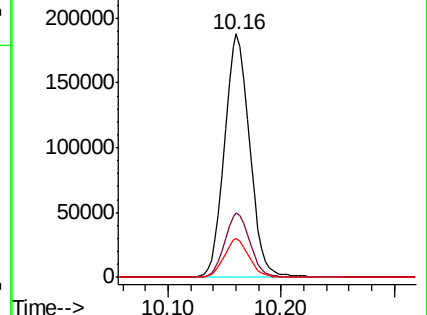
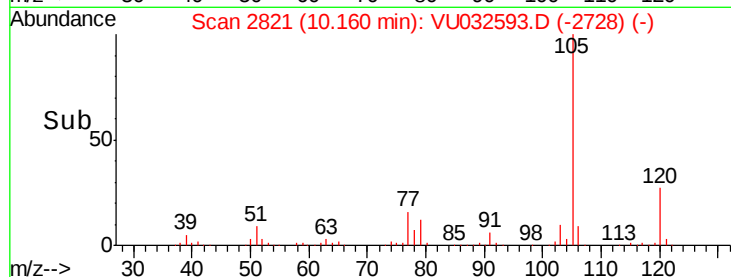
77 15.5 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.098 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

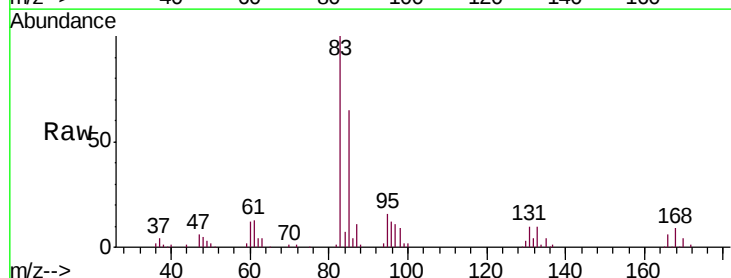
Tgt Ion: 83 Resp: 106346

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

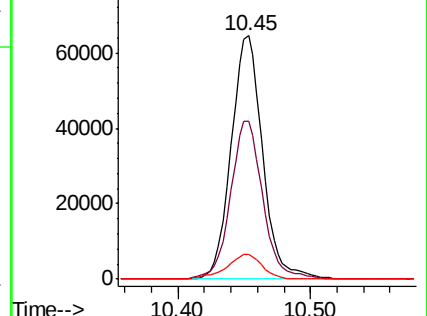
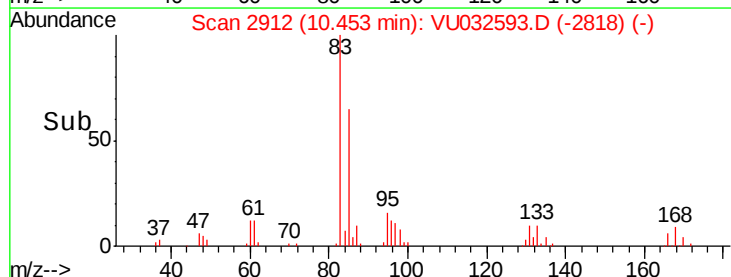
131 10.1 7.9 11.9

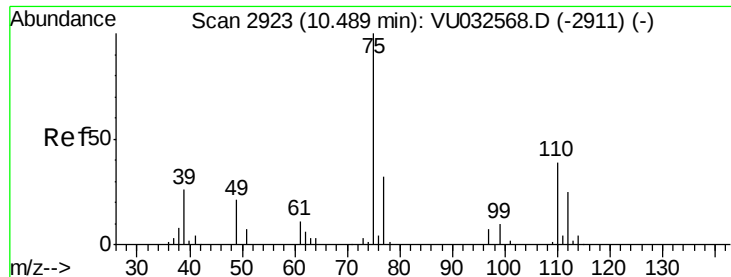


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

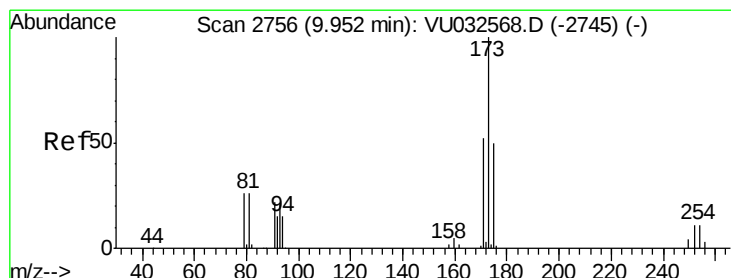
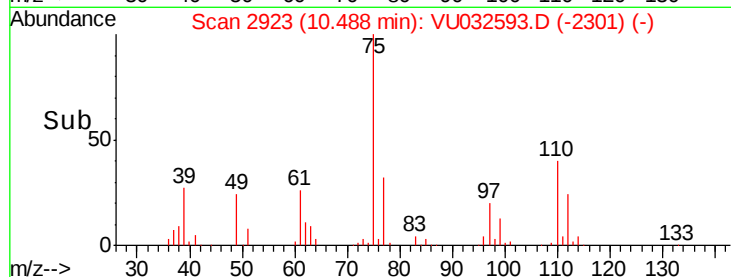
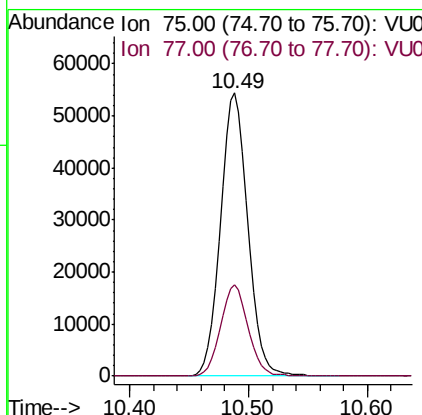
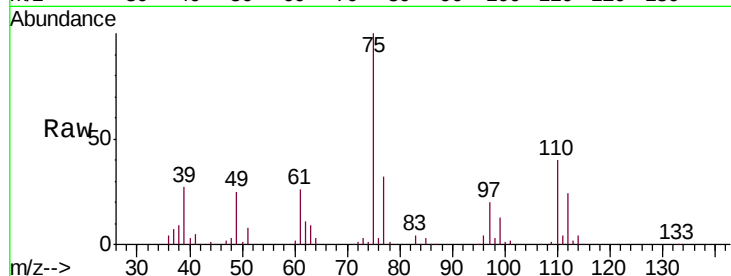




#59
 1,2,3-Trichloropropane
 Concen: 51.742 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

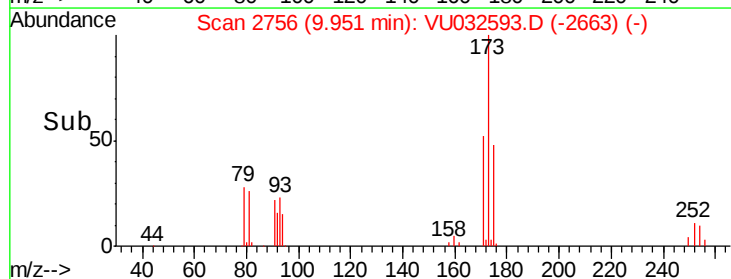
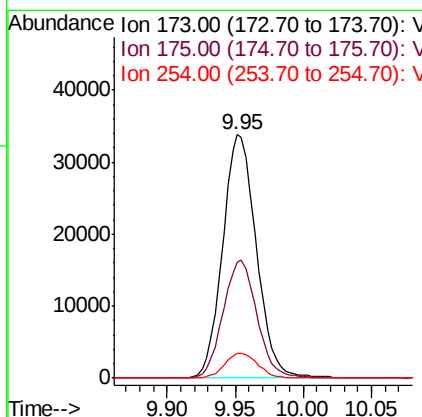
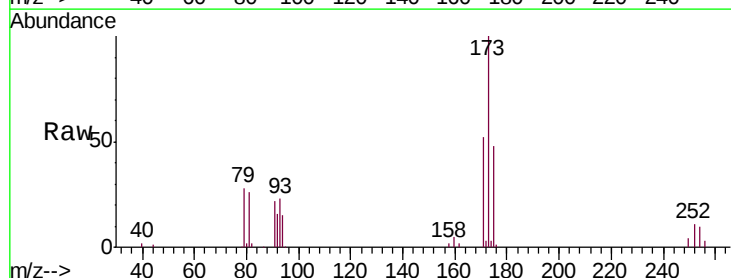
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

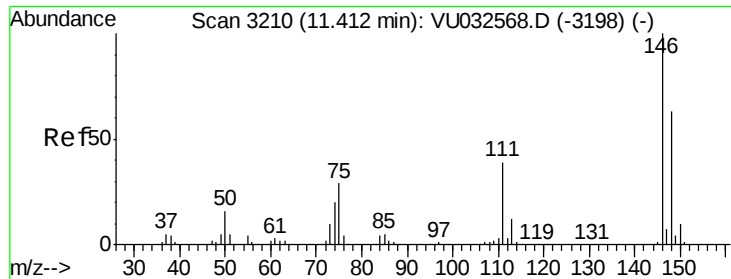
Tgt Ion: 75 Resp: 86616
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4



#61
 Bromoform
 Concen: 52.935 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Tgt Ion: 173 Resp: 58058
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.7 59.5
 254 10.1 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 50.284 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

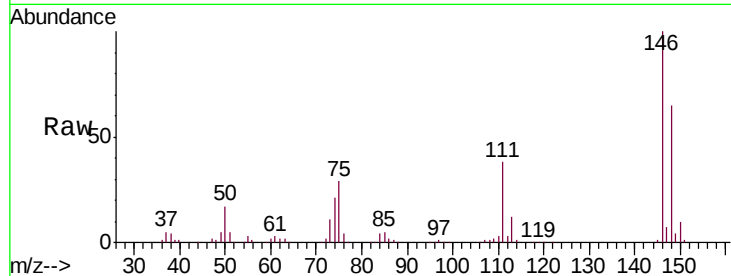
Tgt Ion:146 Resp: 139947

Ion Ratio Lower Upper

146 100

111 38.5 27.3 50.7

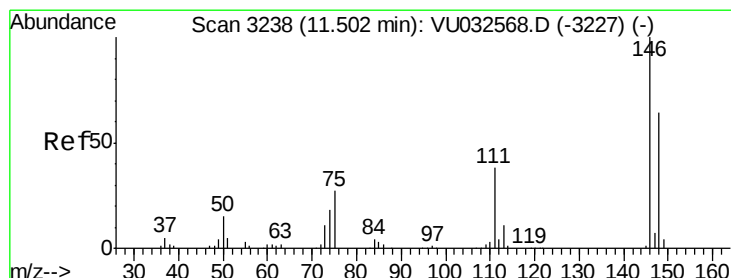
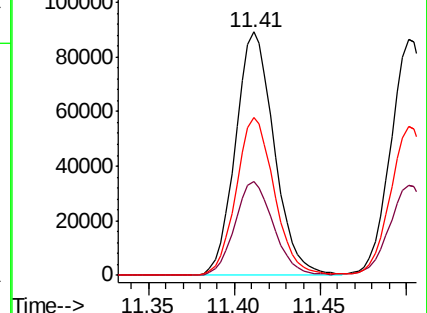
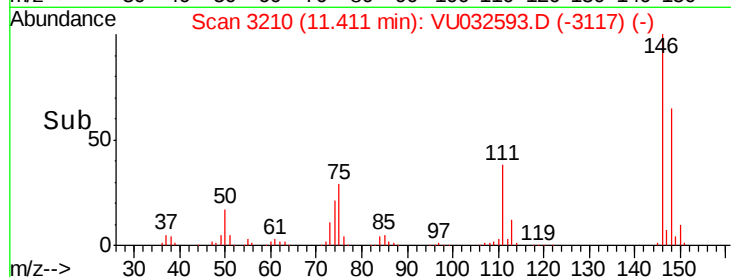
148 65.0 44.4 82.5



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: 49.370 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

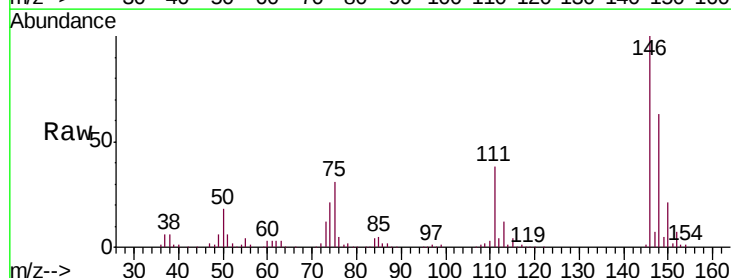
Tgt Ion:146 Resp: 140475

Ion Ratio Lower Upper

146 100

111 38.3 26.6 49.4

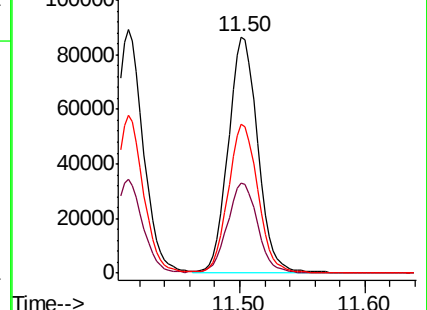
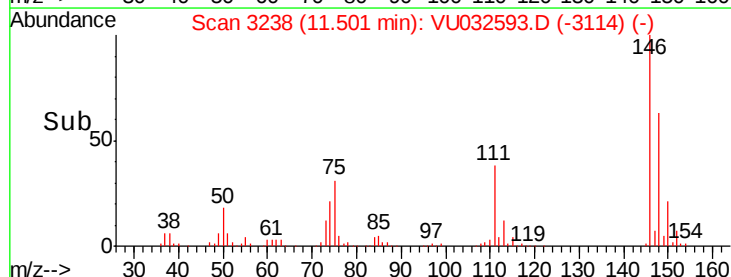
148 62.8 44.9 83.5

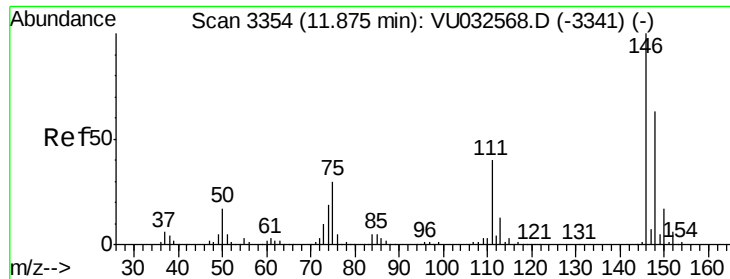


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

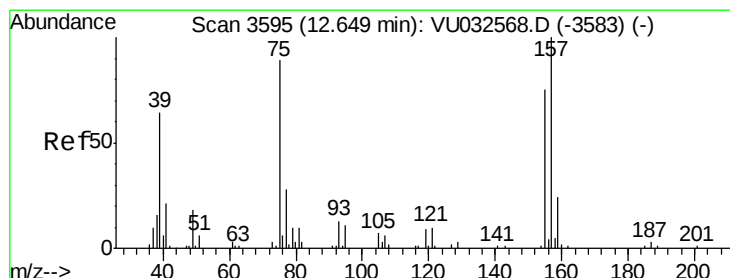
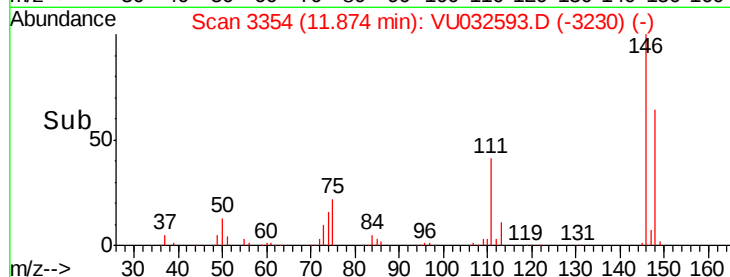
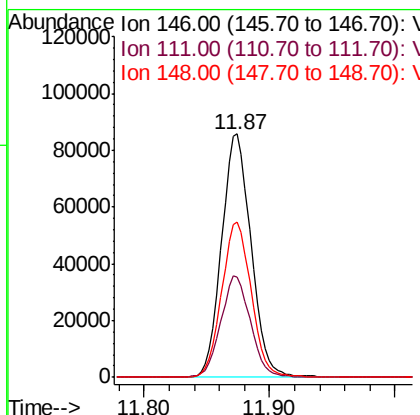
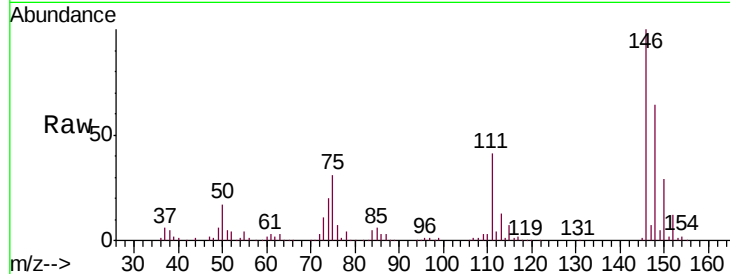




#65
 1,2-Dichlorobenzene
 Concen: 49.782 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

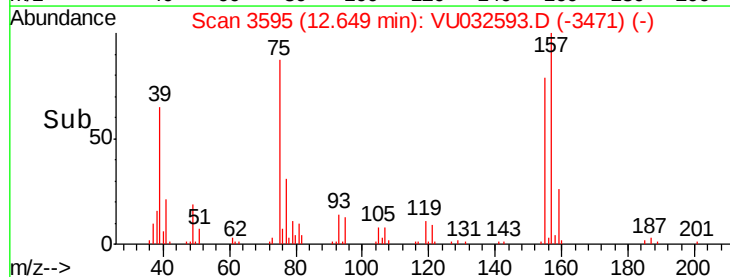
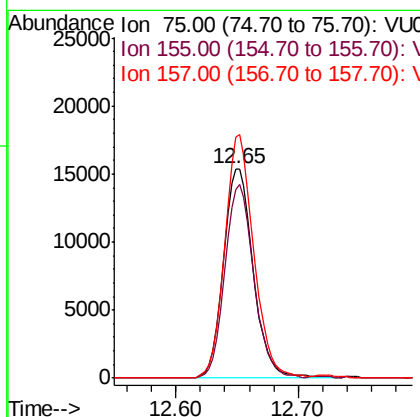
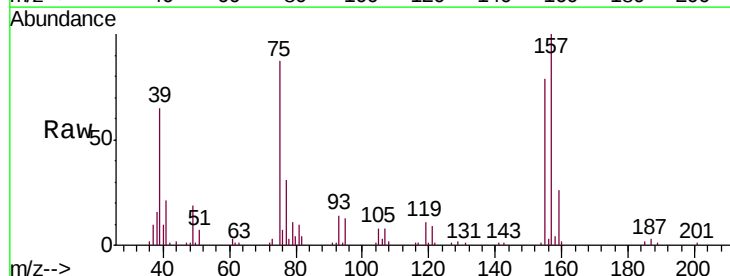
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

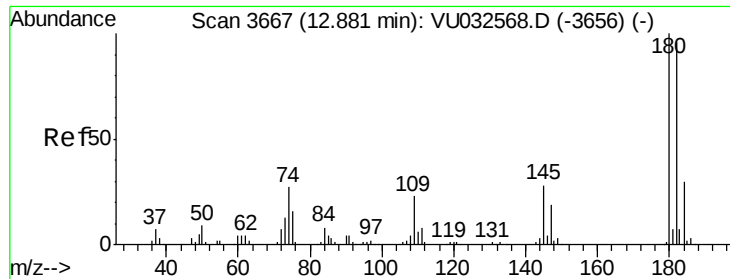
Tgt Ion: 146 Resp: 140077
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.6 48.8
 148 64.0 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.738 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Tgt Ion: 75 Resp: 26387
 Ion Ratio Lower Upper
 75 100
 155 90.1 73.1 109.7
 157 114.7 91.4 137.2

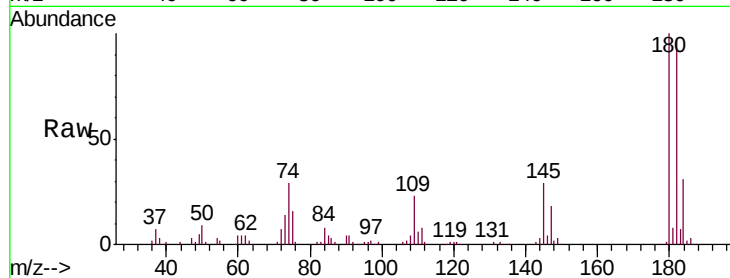




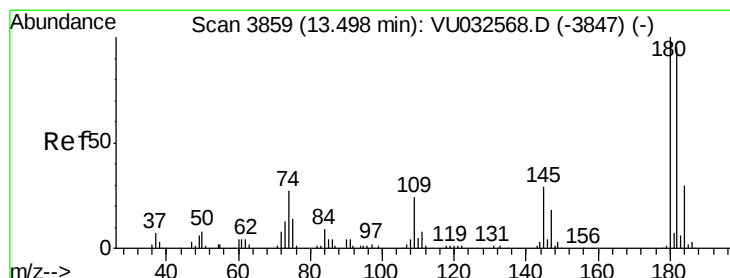
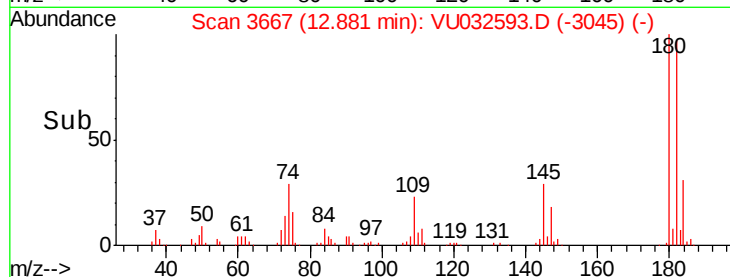
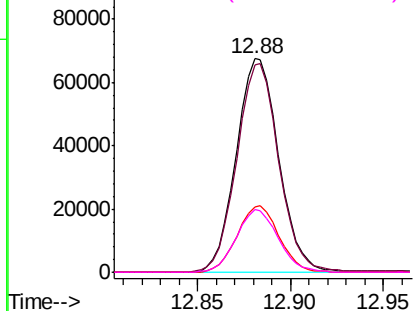
#67
 1,3,5-Trichlorobenzene
 Concen: 49.656 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion:180 Resp: 107523
 Ion Ratio Lower Upper
 180 100
 182 96.7 78.2 117.4
 184 30.8 24.2 36.2
 145 29.0 23.9 35.9

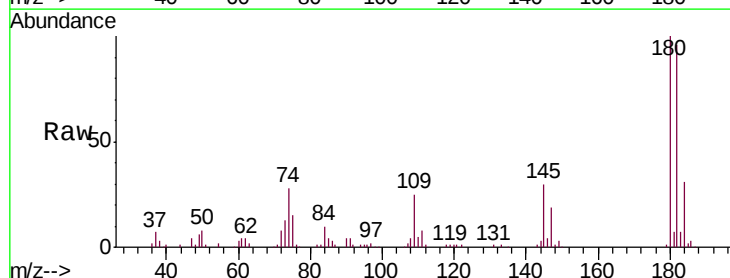


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

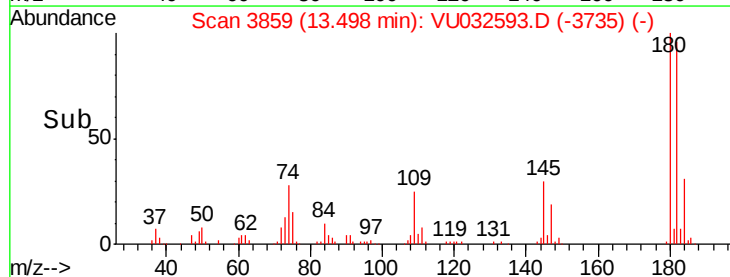
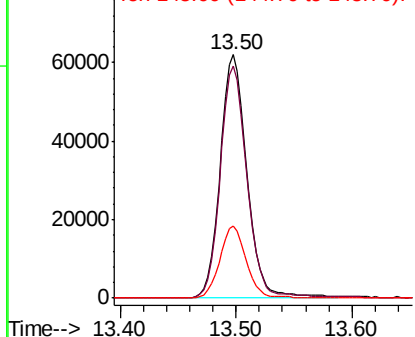


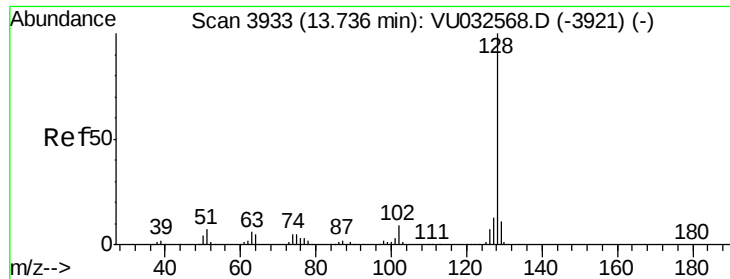
#68
 1,2,4-trichlorobenzene
 Concen: 54.087 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032593.D
 Acq: 11 Jun 2019 02:09

Tgt Ion:180 Resp: 99219
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.5 114.7
 145 28.8 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: 53.988 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

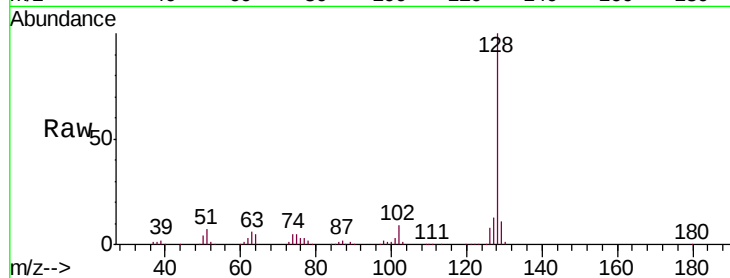
Tgt Ion:128 Resp: 312388

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

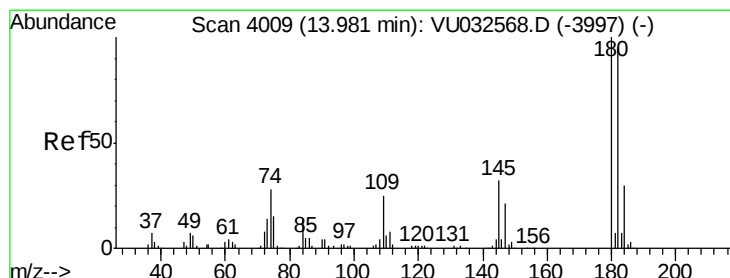
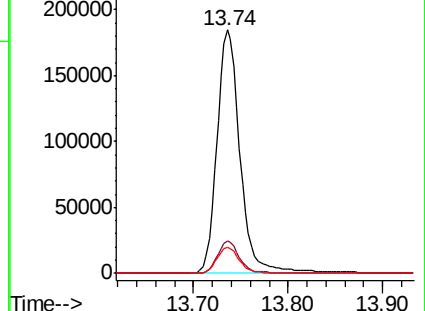
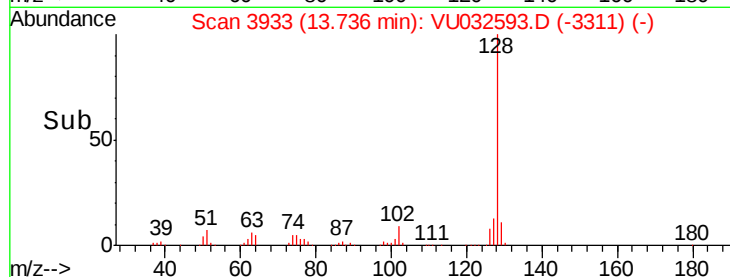
129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.455 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032593.D

Acq: 11 Jun 2019 02:09

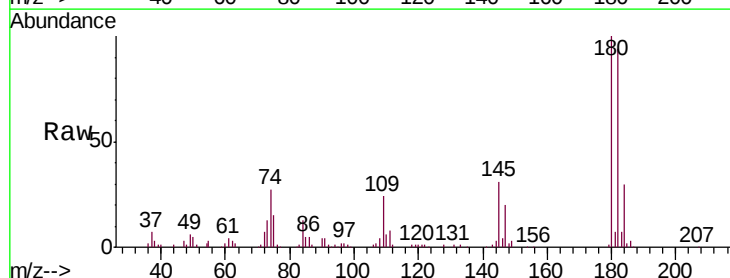
Tgt Ion:180 Resp: 102052

Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

145 31.3 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

