

Data File : VU032935.D
Acq On : 21 Jun 2019 11:22
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Quant Time: Jun 22 00:31:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 19 07:16:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	187229	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186124	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	98440	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58568	45.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.54%
7) Chloroethane-d5	1.67	69	50290	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.56%
11) 1,1-Dichloroethene-d2	2.27	63	126561	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.20%
21) 2-Butanone-d5	4.17	46	113298	106.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.38%
24) Chloroform-d	4.64	84	131047	52.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.36%
26) 1,2-Dichloroethane-d4	5.30	65	87936	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.14%
32) Benzene-d6	5.33	84	247032	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.82%
36) 1,2-Dichloropropane-d6	6.32	67	80486	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.14%
41) Toluene-d8	7.56	98	235154	51.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.50%
43) trans-1,3-Dichloropropene-	7.84	79	40723	50.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.30%
47) 2-Hexanone-d5	8.31	63	71659	99.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.29%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121534	50.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.72%
64) 1,2-Dichlorobenzene-d4	11.85	152	97220	51.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	100030	52.891	ug/L 100
3) Chloromethane	1.32	50	83593	48.767	ug/L 100
5) Vinyl chloride	1.40	62	85137	50.075	ug/L 100
6) Bromomethane	1.62	94	45398	45.377	ug/L 100
8) Chloroethane	1.69	64	49292	50.365	ug/L 99
9) Trichlorofluoromethane	1.88	101	122424	51.325	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	64234	51.341	ug/L 99
12) 1,1-Dichloroethene	2.28	96	58780	49.854	ug/L 96
13) Acetone	2.32	43	130109	88.449	ug/L 97
14) Carbon disulfide	2.47	76	179274	48.053	ug/L 100
15) Methyl Acetate	2.61	43	86527	51.892	ug/L 98
16) Methylene chloride	2.69	84	68644	49.616	ug/L 95
17) trans-1,2-Dichloroethene	2.97	96	61633	48.205	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	206663	50.344	ug/L 98
19) 1,1-Dichloroethane	3.44	63	127500	52.307	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	70903	50.904	ug/L 92
22) 2-Butanone	4.25	43	144818	94.984	ug/L 99

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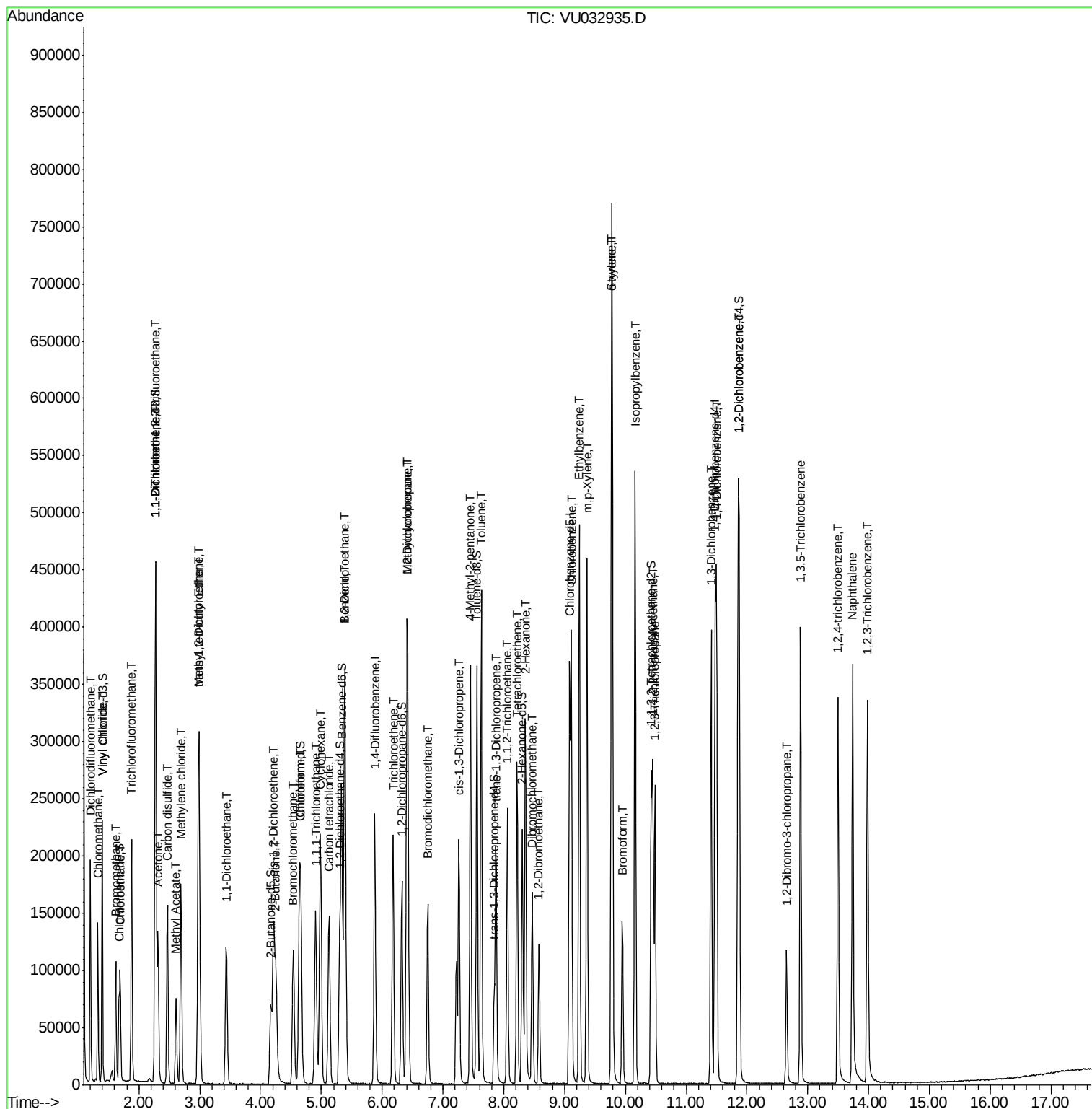
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	37396	51.465	ug/L	93
25) Chloroform	4.66	83	131564	52.339	ug/L	97
27) 1,2-Dichloroethane	5.40	62	110994	53.749	ug/L	100
29) Cyclohexane	4.99	56	109153	50.225	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	114471	50.481	ug/L	98
31) Carbon tetrachloride	5.13	117	102088	49.479	ug/L	99
33) Benzene	5.38	78	270584	50.465	ug/L	100
34) Trichloroethene	6.18	95	71746	50.081	ug/L	99
35) Methylcyclohexane	6.41	83	114733	51.812	ug/L	99
37) 1,2-Dichloropropane	6.42	63	75453	51.302	ug/L	99
38) Bromodichloromethane	6.75	83	99665	50.395	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	117336	51.207	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	243299	103.614	ug/L	98
42) Toluene	7.63	91	295391	50.919	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	108863	50.582	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	69705	50.919	ug/L	99
46) Tetrachloroethene	8.22	164	58634	49.948	ug/L	99
48) 2-Hexanone	8.36	43	202377	97.683	ug/L	99
49) Dibromochloromethane	8.47	129	79451	48.143	ug/L	96
50) 1,2-Dibromoethane	8.58	107	75783	49.848	ug/L	99
51) Chlorobenzene	9.11	112	191760	50.232	ug/L	98
52) Ethylbenzene	9.24	91	327438	50.992	ug/L	99
53) m,p-Xylene	9.37	106	123652	51.038	ug/L	100
54) o-xylene	9.77	106	119726	50.604	ug/L	100
55) Styrene	9.79	104	211770	51.595	ug/L	97
56) Isopropylbenzene	10.16	105	324836	50.945	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	123357	49.799	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	99955	50.925	ug/L	99
61) Bromoform	9.95	173	61311	47.698	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	153564	50.187	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	156378	49.480	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	158414	50.705	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	30262	50.771	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	123127	50.081	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	103878	49.103	ug/L	98
69) Naphthalene	13.74	128	310404	47.722	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	108682	48.529	ug/L	99

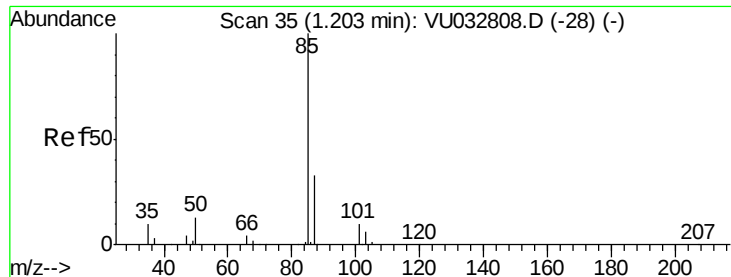
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.891 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

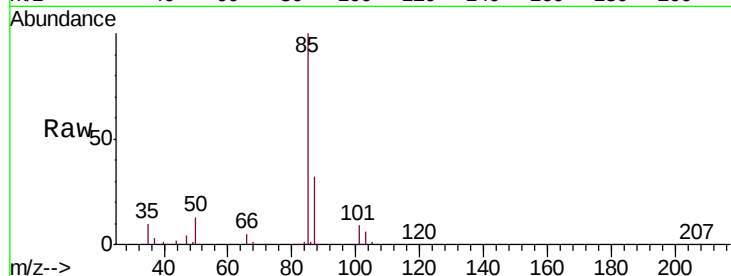
VSTD05056

Tgt Ion: 85 Resp: 100030

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU032808.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032808.D (-28) (-)

120000

100000

80000

60000

40000

20000

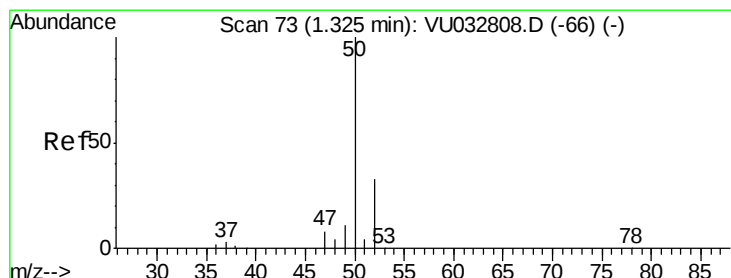
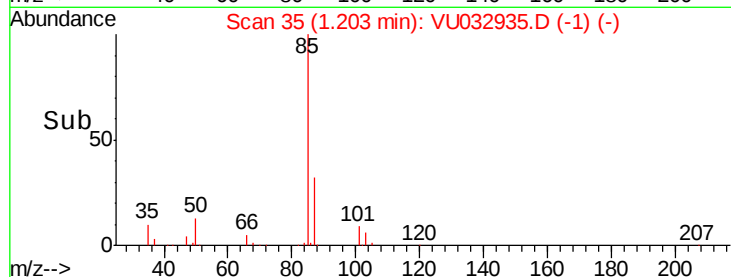
0

1.15

1.20

1.25

Time-->



#3

Chloromethane

Concen: 48.767 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU032935.D

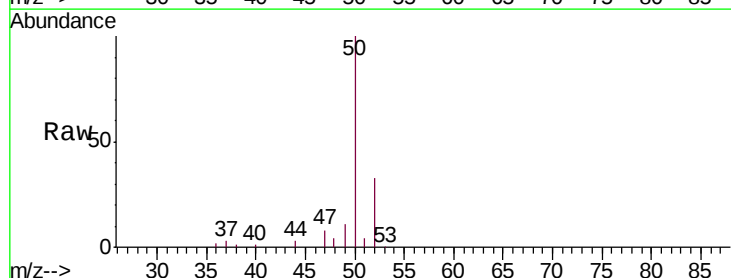
Acq: 21 Jun 2019 11:22

Tgt Ion: 50 Resp: 83593

Ion Ratio Lower Upper

50 100

52 32.6 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU032808.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032808.D (-66) (-)

100000

80000

60000

40000

20000

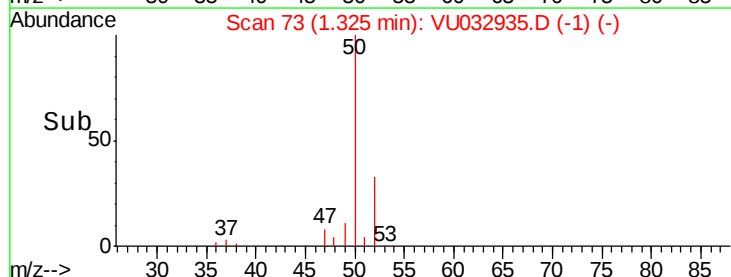
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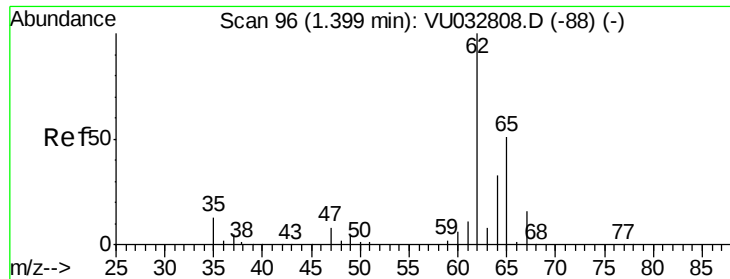
1.30

1.32

1.35

Time-->





#5

Vinyl chloride

Concen: 50.075 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

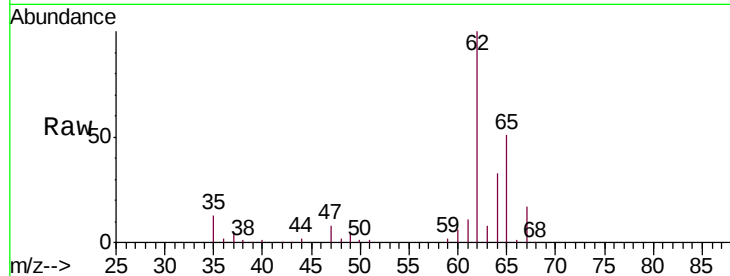
VSTD05056

Tgt Ion: 62 Resp: 85137

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU032808.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU032808.D (-88) (-)

1.40

80000

60000

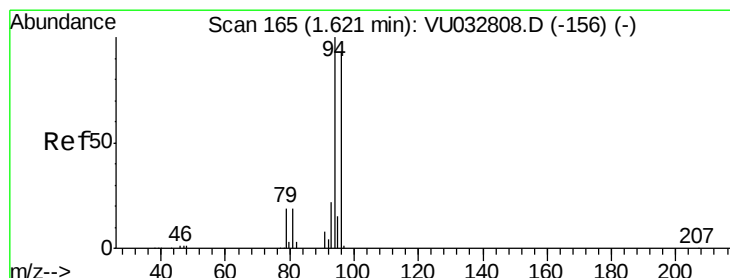
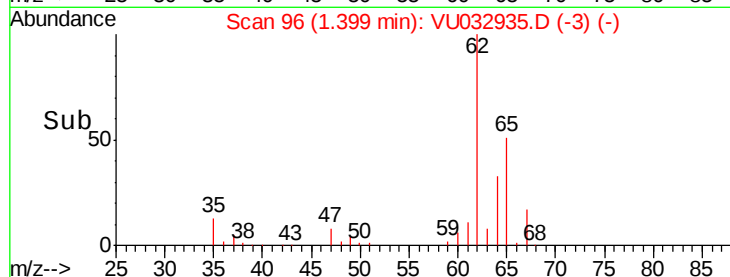
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 45.377 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU032935.D

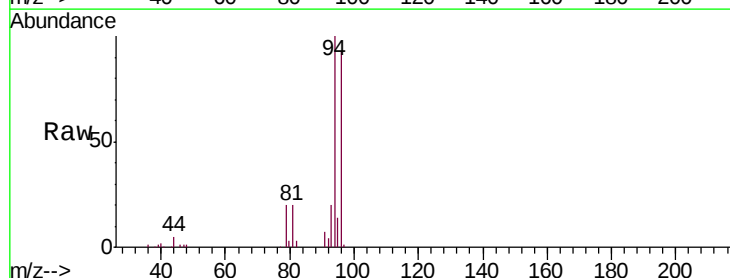
Acq: 21 Jun 2019 11:22

Tgt Ion: 94 Resp: 45398

Ion Ratio Lower Upper

94 100

96 92.9 64.8 120.4



Abundance Ion 94.00 (93.70 to 94.70): VU032808.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU032808.D (-156) (-)

1.62

40000

30000

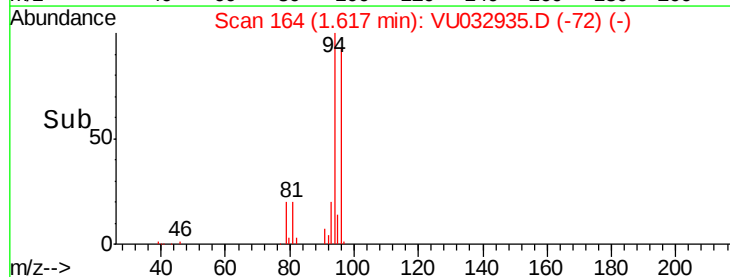
20000

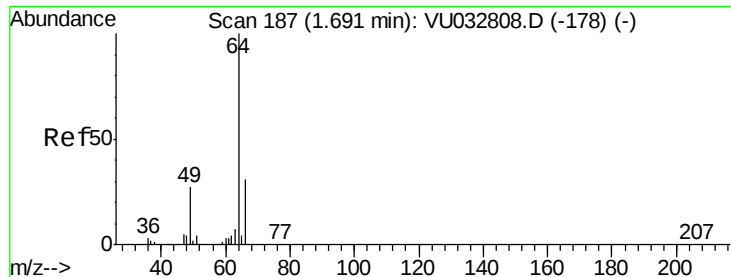
10000

0

1.60 1.65

Time-->





#8

Chloroethane

Concen: 50.365 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

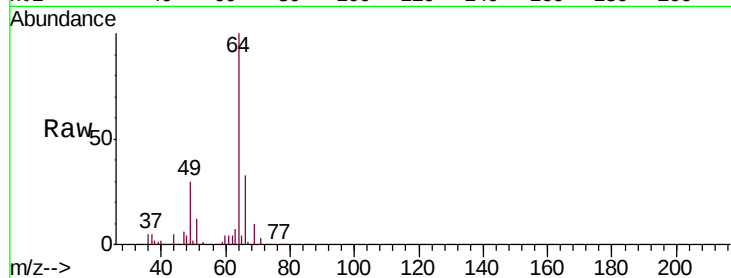
VSTD05056

Tgt Ion: 64 Resp: 49292

Ion Ratio Lower Upper

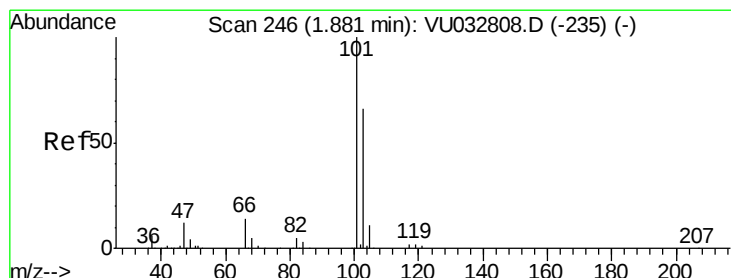
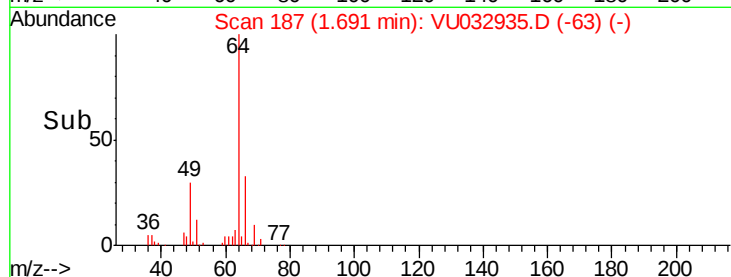
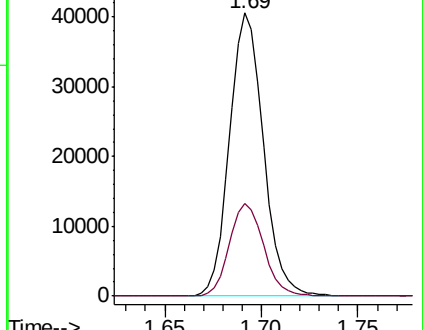
64 100

66 32.5 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VU032808.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU032808.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 51.325 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU032935.D

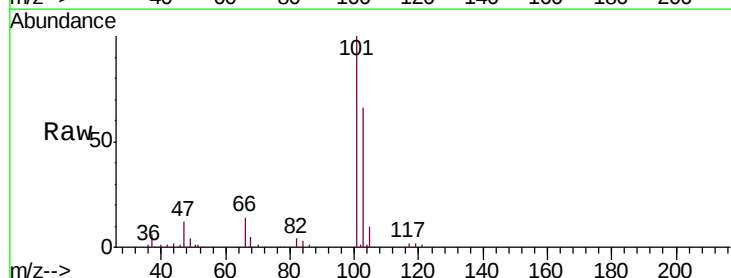
Acq: 21 Jun 2019 11:22

Tgt Ion: 101 Resp: 122424

Ion Ratio Lower Upper

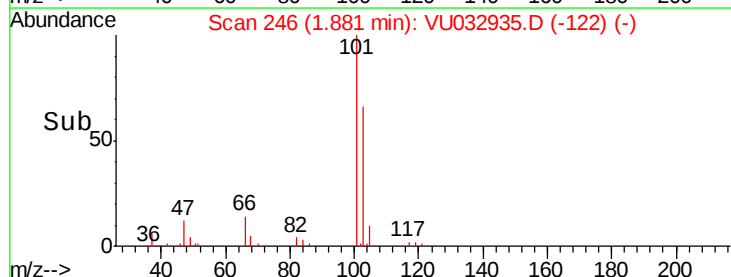
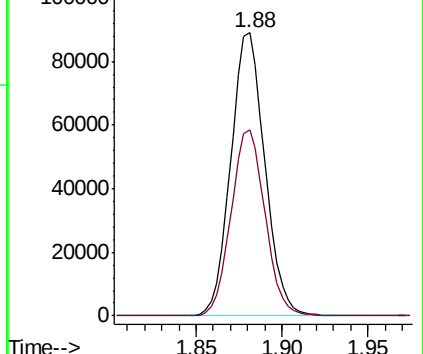
101 100

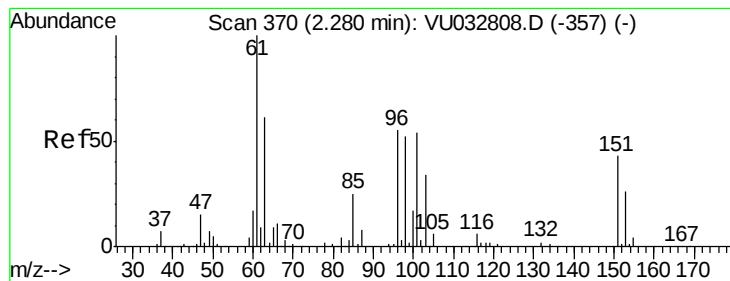
103 65.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU032808.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032808.D (-235) (-)





#10

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

Concen: 51.341 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

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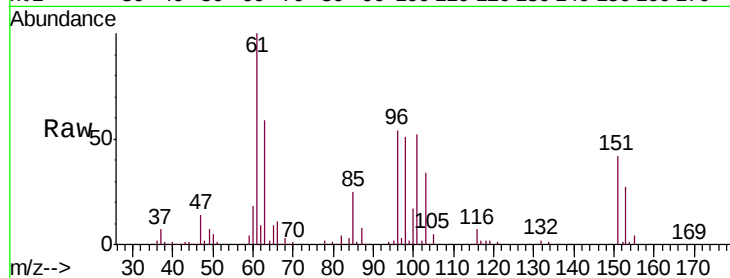
Tgt Ion:101 Resp: 64234

Ion Ratio Lower Upper

101 100

85 47.4 36.8 55.2

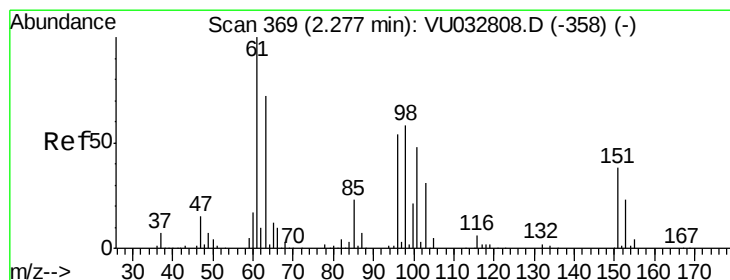
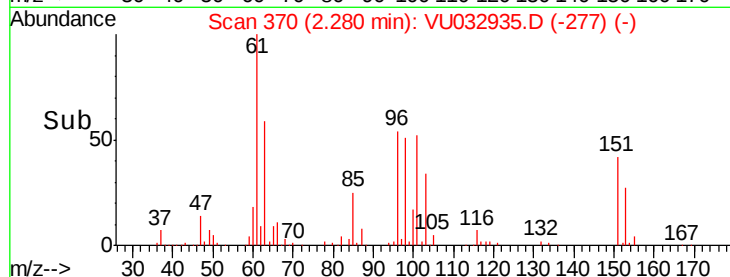
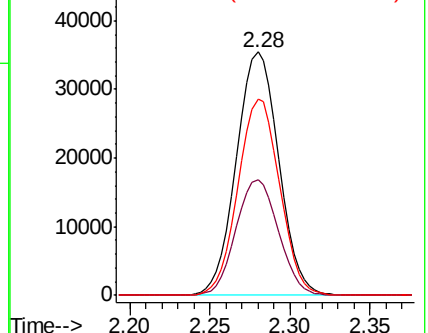
151 79.2 63.6 95.4



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: 49.854 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

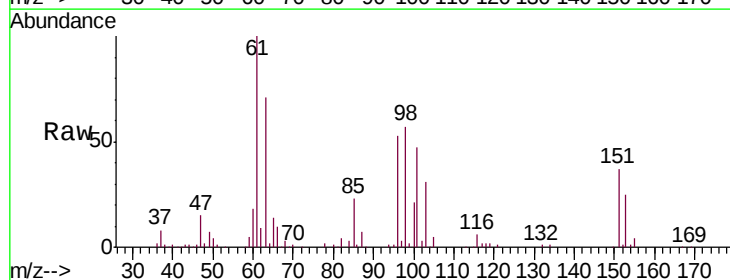
Tgt Ion: 96 Resp: 58780

Ion Ratio Lower Upper

96 100

61 190.2 131.0 243.4

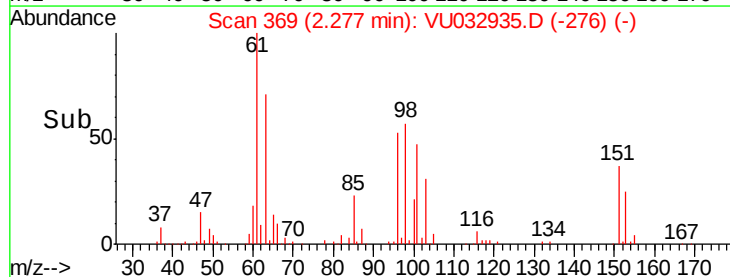
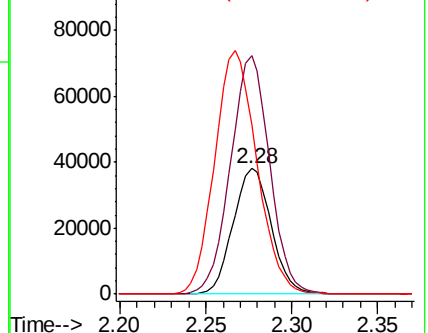
63 135.3 101.0 187.6

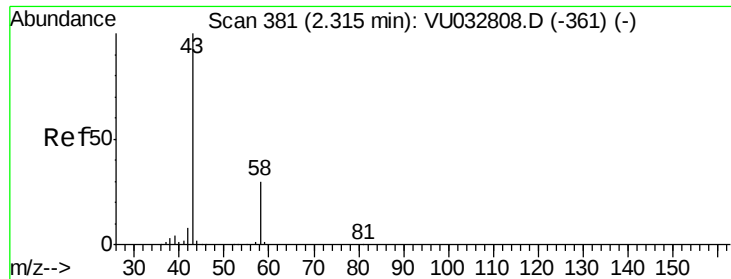


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 88.449 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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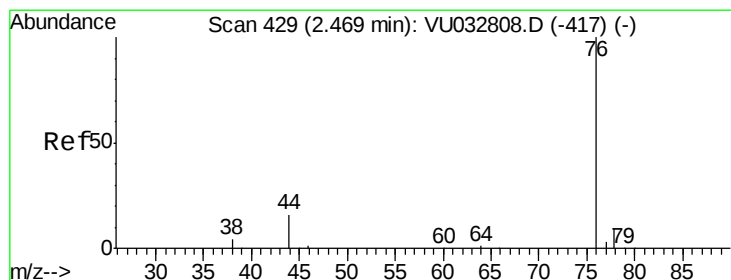
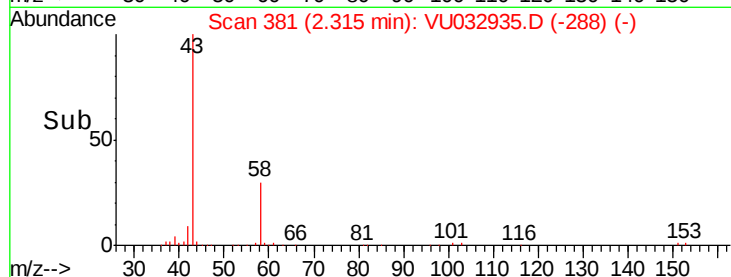
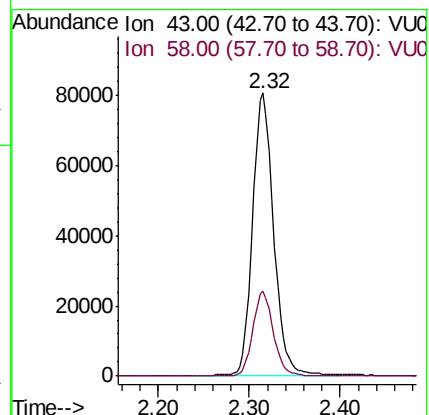
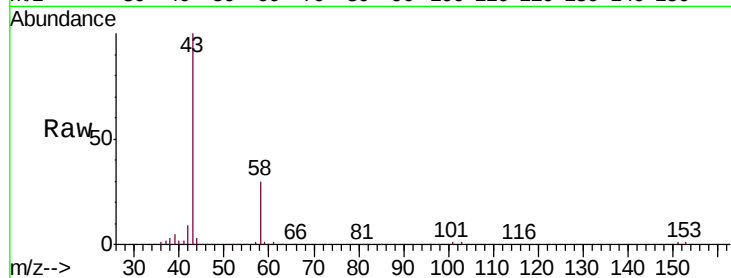
VSTD05056

Tgt Ion: 43 Resp: 130109

Ion Ratio Lower Upper

43 100

58 28.7 0.0 60.6



#14

Carbon disulfide

Concen: 48.053 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

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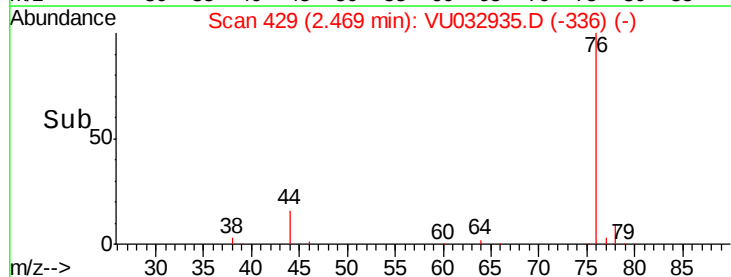
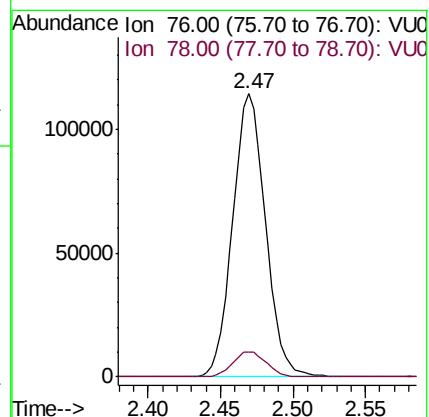
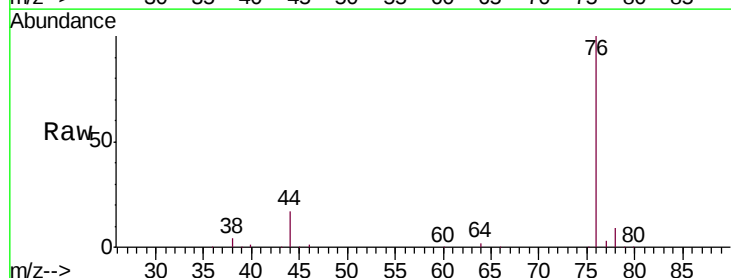
Acq: 21 Jun 2019 11:22

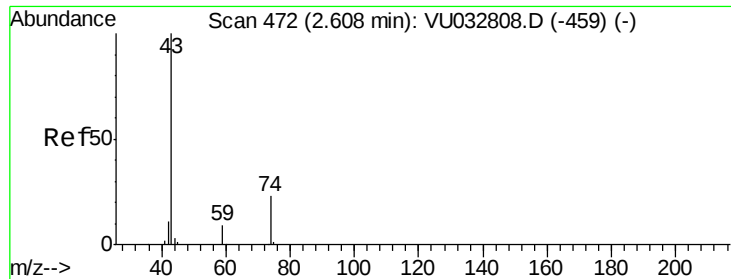
Tgt Ion: 76 Resp: 179274

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

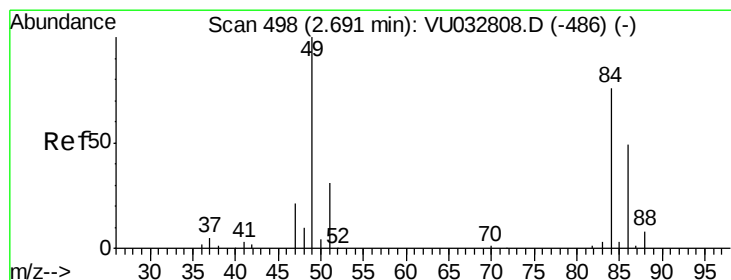
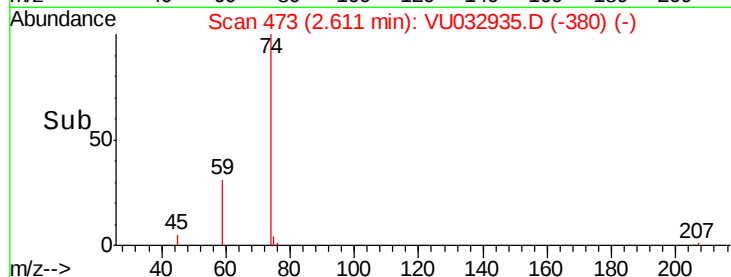
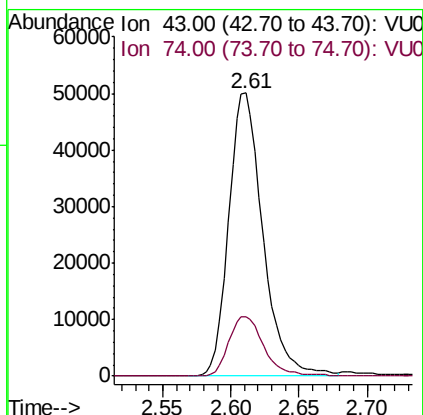
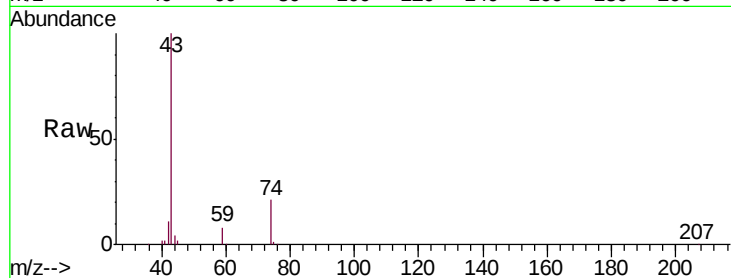




#15
Methyl Acetate
Concen: 51.892 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

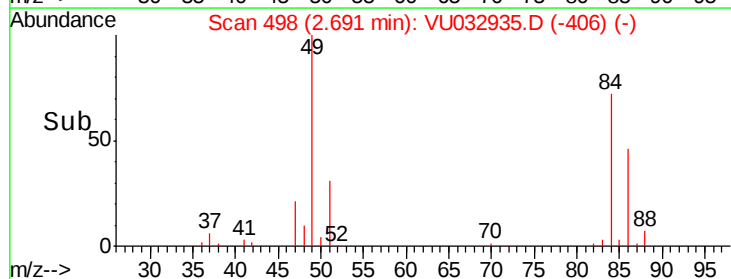
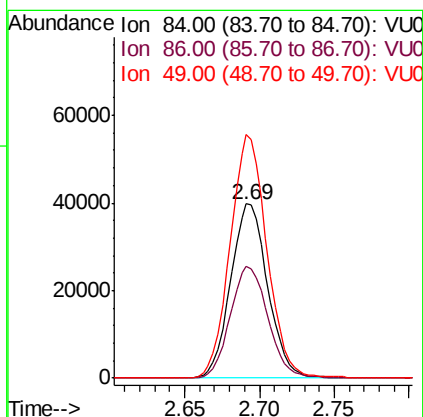
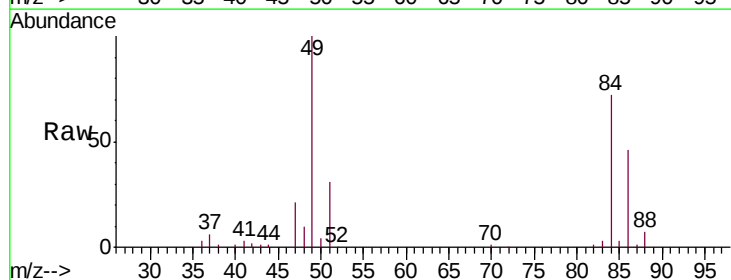
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

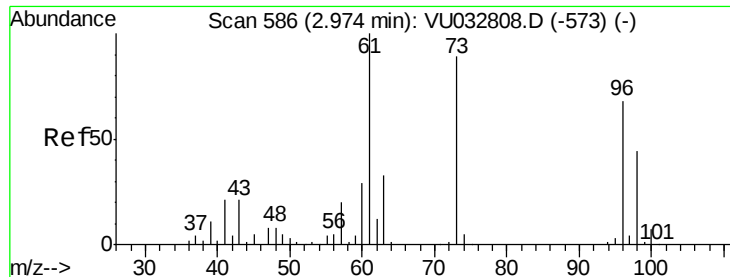
Tgt Ion: 43 Resp: 86527
Ion Ratio Lower Upper
43 100
74 21.5 18.1 27.1



#16
Methylene chloride
Concen: 49.616 ug/L
RT: 2.69 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion: 84 Resp: 68644
Ion Ratio Lower Upper
84 100
86 64.1 45.5 84.5
49 139.7 92.1 171.1

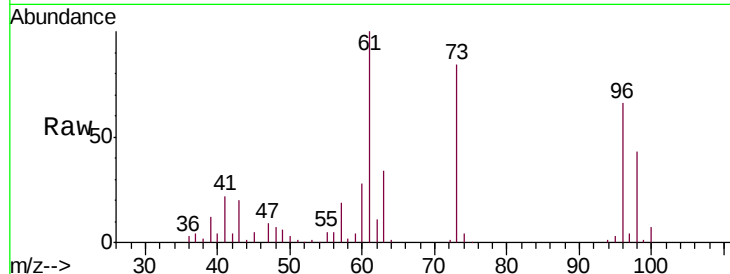




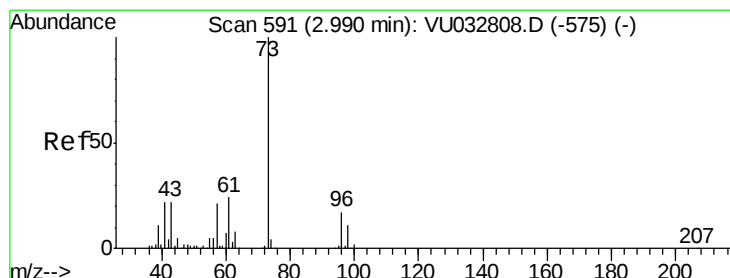
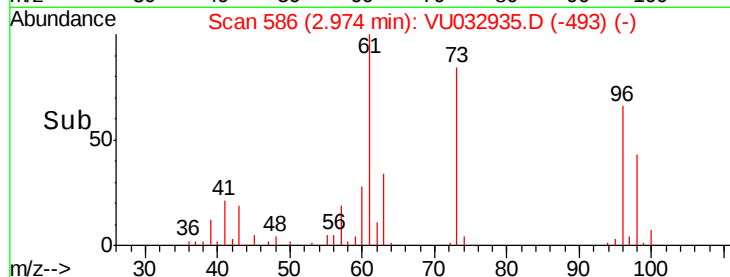
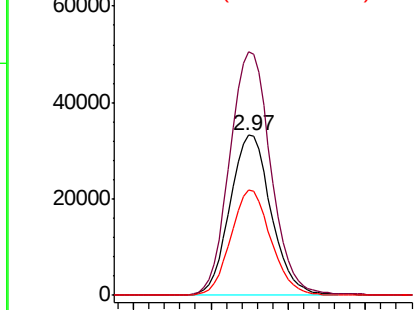
#17
trans-1,2-Dichloroethene
Concen: 48.205 ug/L
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion: 96 Resp: 61633
Ion Ratio Lower Upper
96 100
61 151.9 100.9 187.5
98 65.8 44.0 81.8

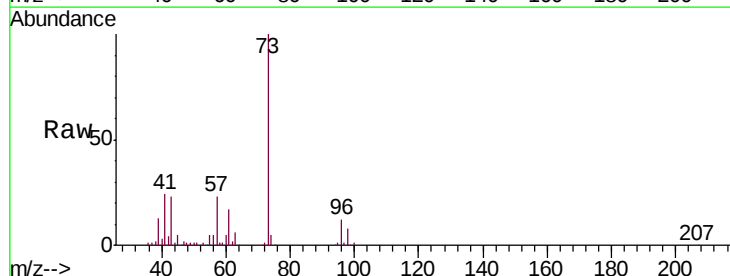


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

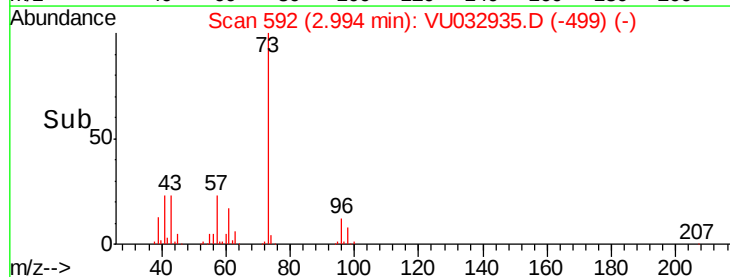
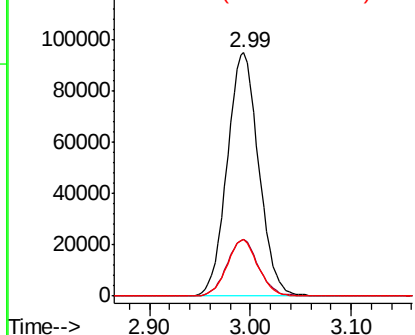


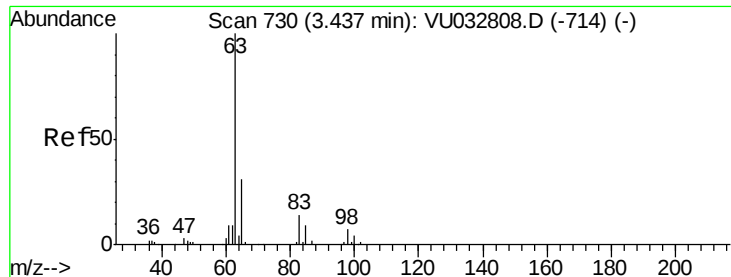
#18
Methyl tert-butyl Ether
Concen: 50.344 ug/L
RT: 2.99 min Scan# 592
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion: 73 Resp: 206663
Ion Ratio Lower Upper
73 100
43 23.4 17.8 26.8
57 22.7 17.8 26.6



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

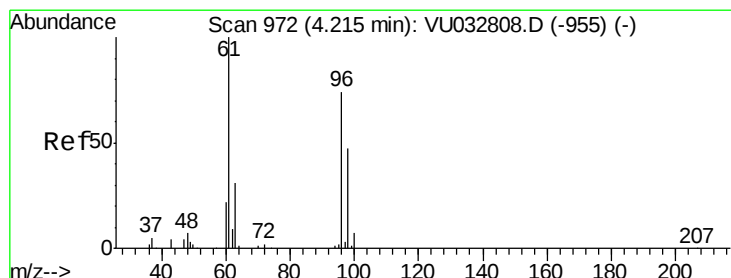
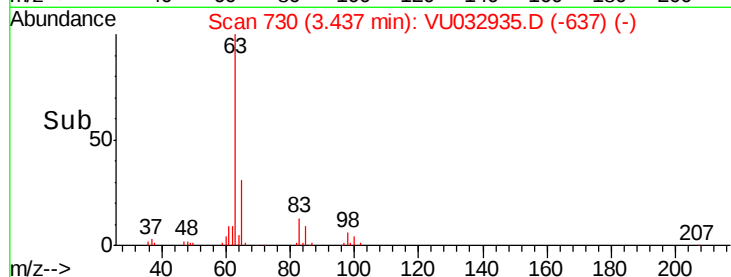
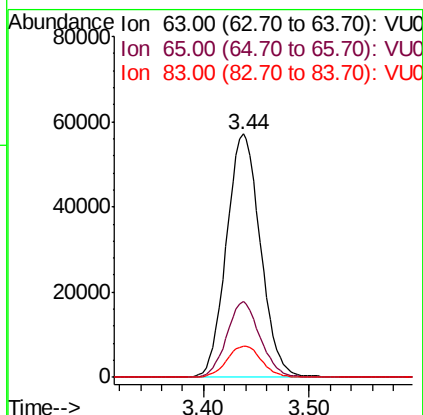
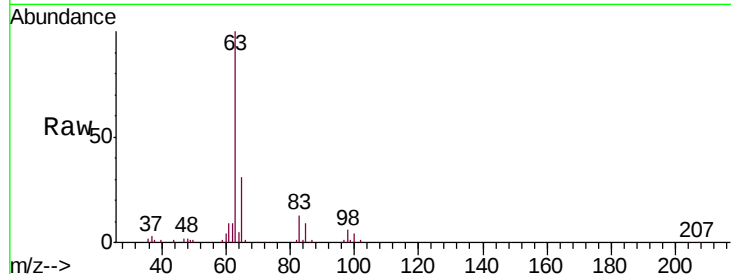




#19
 1,1-Dichloroethane
 Concen: 52.307 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

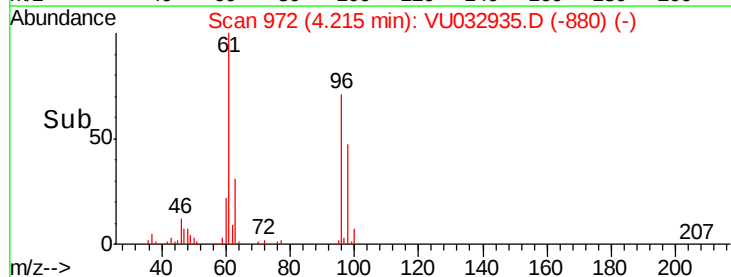
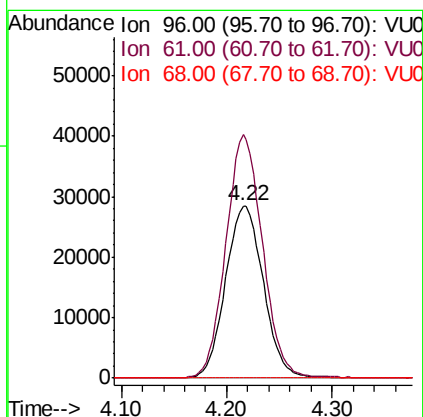
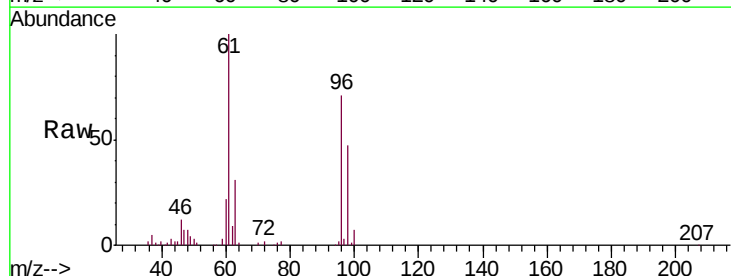
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

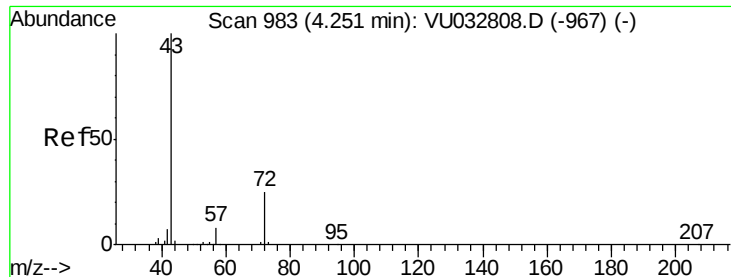
Tgt Ion: 63 Resp: 127500
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 41.0
 83 12.7 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 50.904 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 96 Resp: 70903
 Ion Ratio Lower Upper
 96 100
 61 141.2 92.4 171.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.984 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

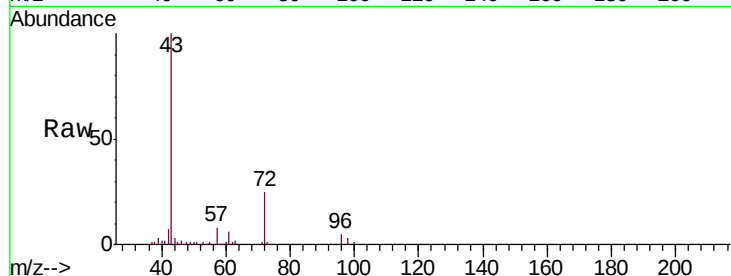
VSTD05056

Tgt Ion: 43 Resp: 144818

Ion Ratio Lower Upper

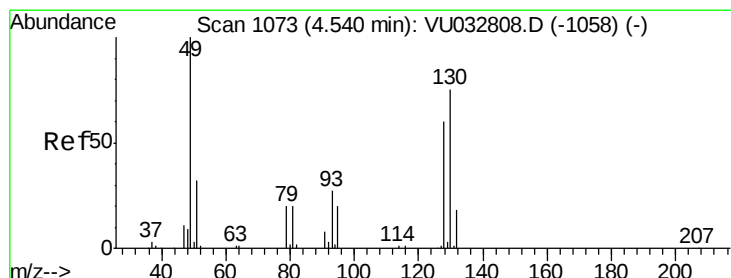
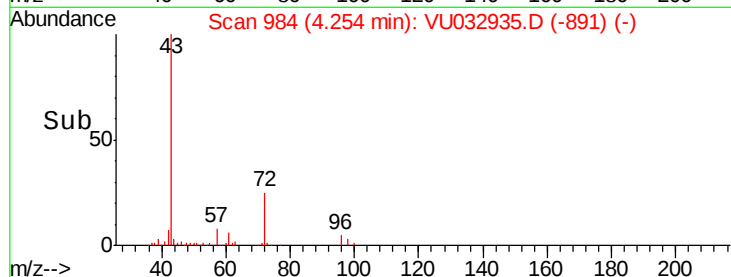
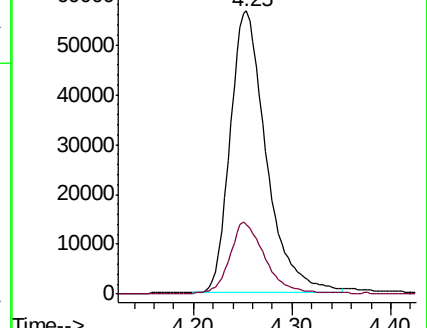
43 100

72 25.3 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU032808.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU032808.D (-967) (-)



#23

Bromochloromethane

Concen: 51.465 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Tgt Ion: 128 Resp: 37396

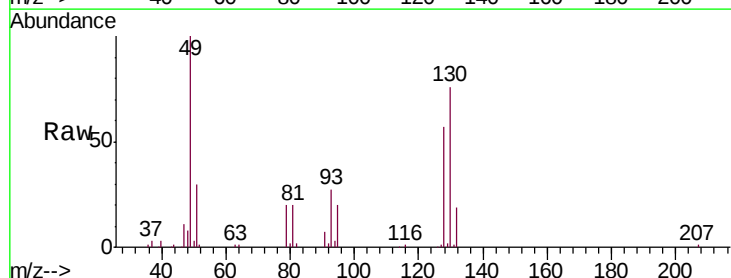
Ion Ratio Lower Upper

128 100

49 176.9 114.7 212.9

130 134.5 89.4 166.0

51 53.7 42.0 63.0

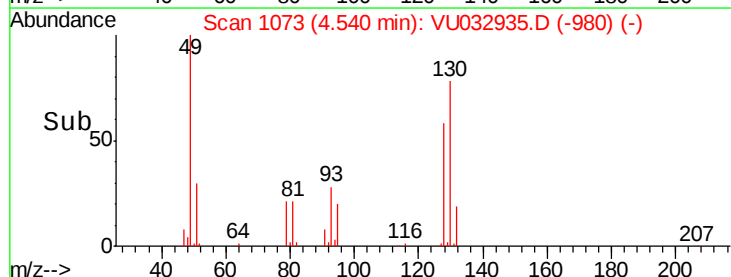
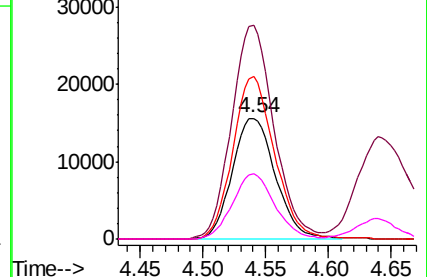


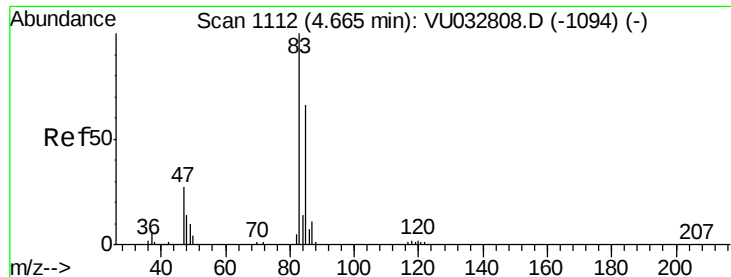
Abundance Ion 128.00 (127.70 to 128.70): VU032808.D (-1058) (-)

Ion 49.00 (48.70 to 49.70): VU032808.D (-1058) (-)

Ion 130.00 (129.70 to 130.70): VU032808.D (-1058) (-)

Ion 51.00 (50.70 to 51.70): VU032808.D (-1058) (-)

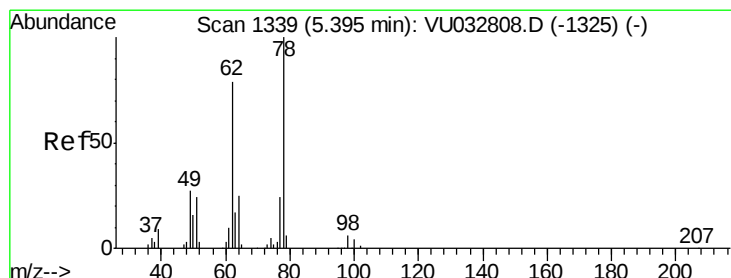
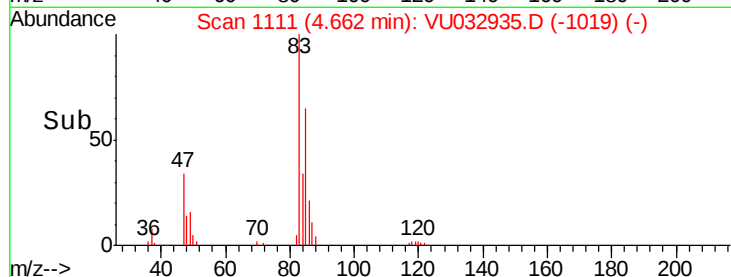
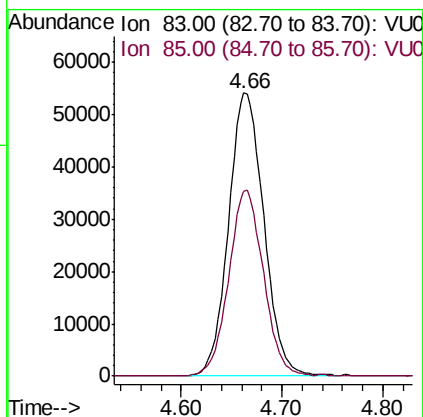
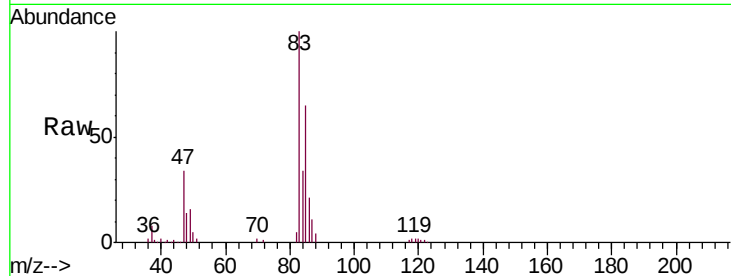




#25
Chloroform
Concen: 52.339 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

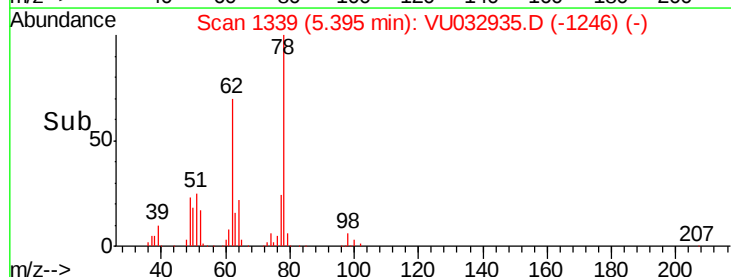
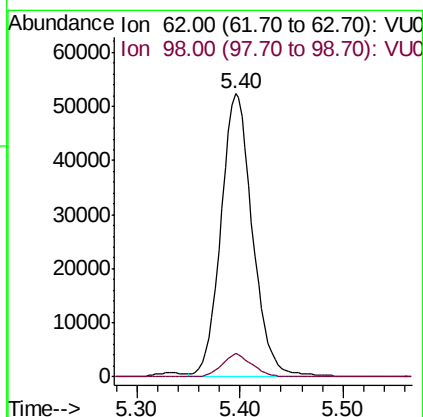
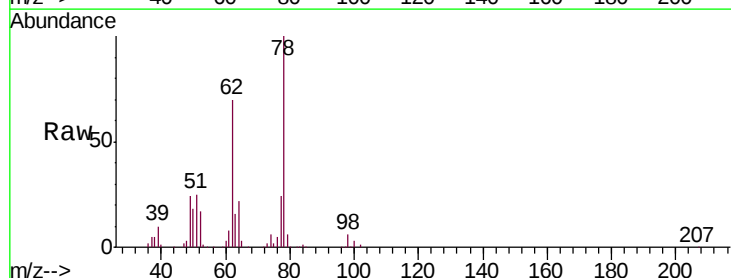
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

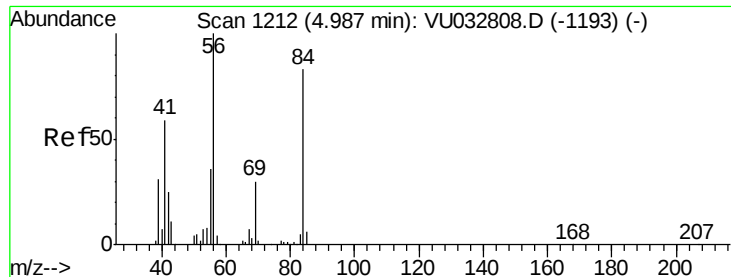
Tgt Ion: 83 Resp: 131564
Ion Ratio Lower Upper
83 100
85 65.3 44.2 82.2



#27
1,2-Dichloroethane
Concen: 53.749 ug/L
RT: 5.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion: 62 Resp: 110994
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

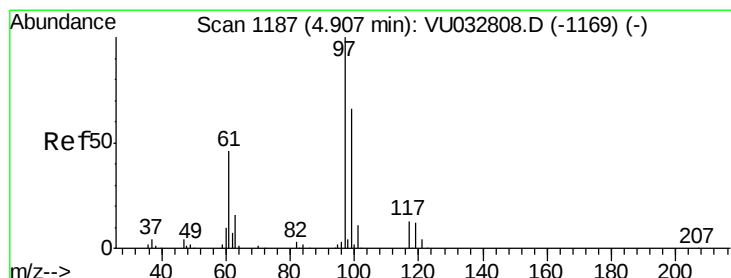
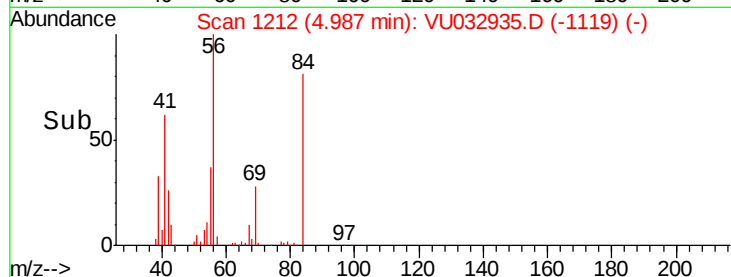
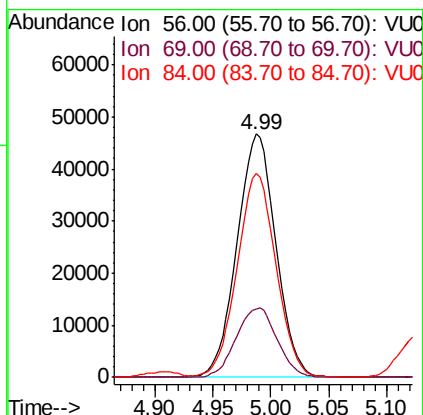
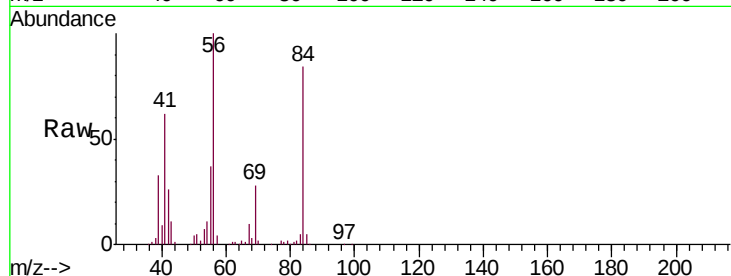




#29
Cyclohexane
Concen: 50.225 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

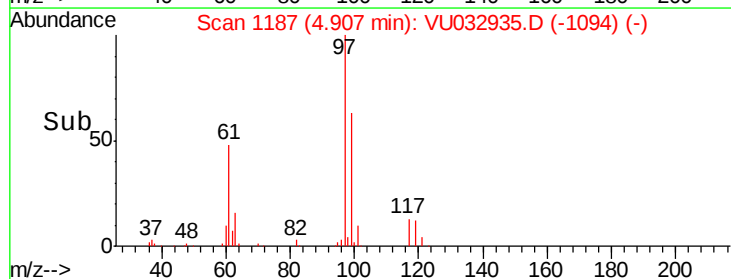
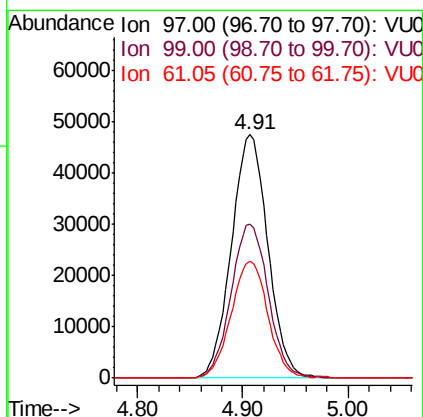
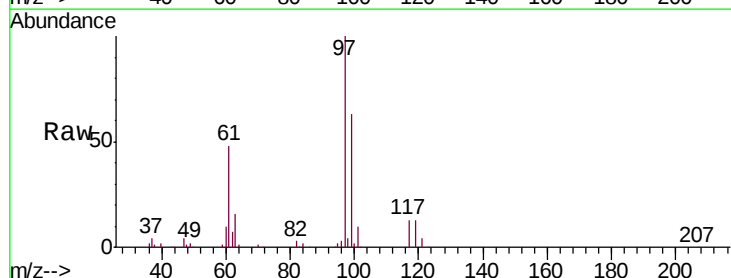
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

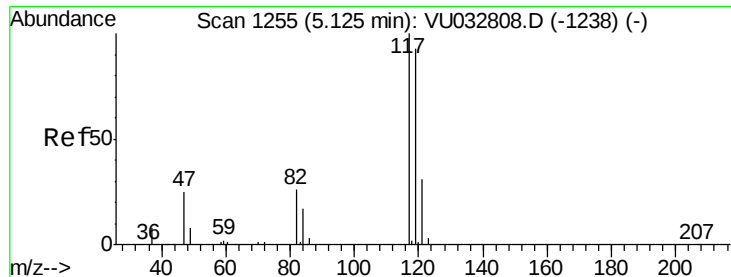
Tgt Ion: 56 Resp: 109153
Ion Ratio Lower Upper
56 100
69 29.8 24.2 36.4
84 84.0 68.0 102.0



#30
1,1,1-Trichloroethane
Concen: 50.481 ug/L
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion: 97 Resp: 114471
Ion Ratio Lower Upper
97 100
99 64.5 50.7 76.1
61 48.5 36.7 55.1

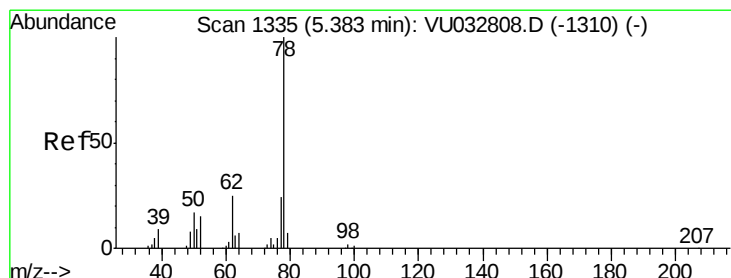
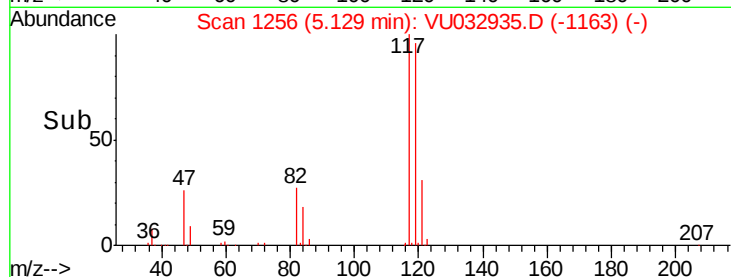
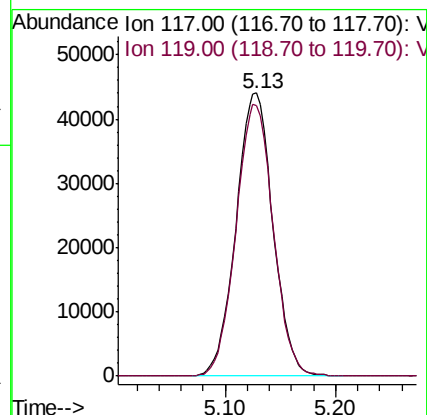
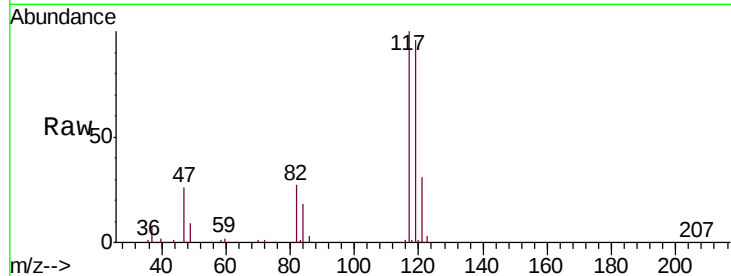




#31
Carbon tetrachloride
Concen: 49.479 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

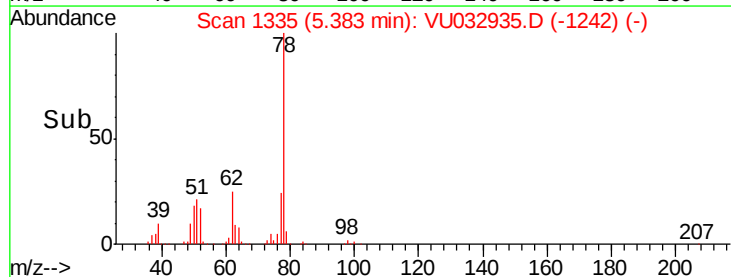
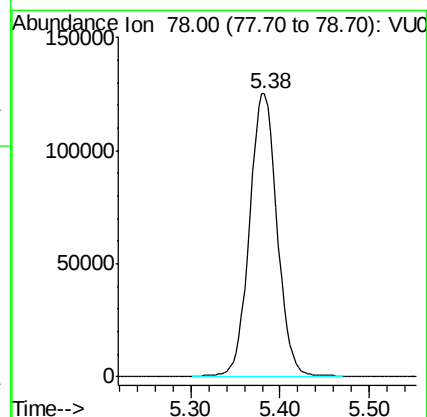
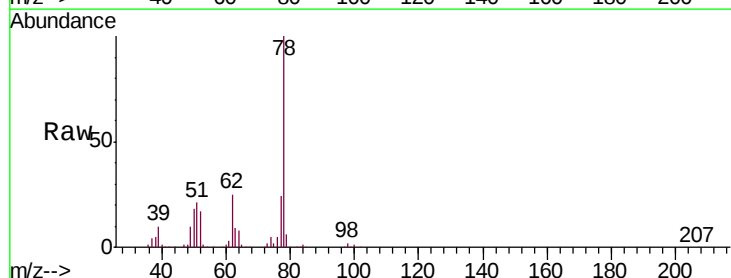
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

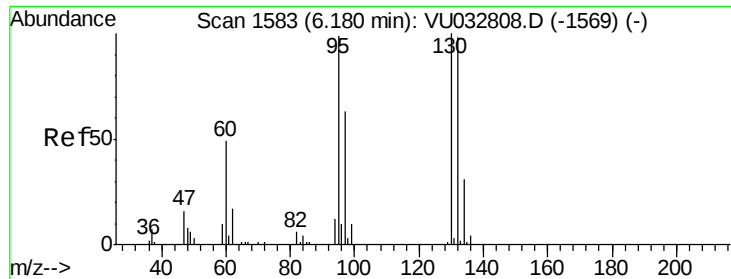
Tgt Ion:117 Resp: 102088
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5



#33
Benzene
Concen: 50.465 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion: 78 Resp: 270584

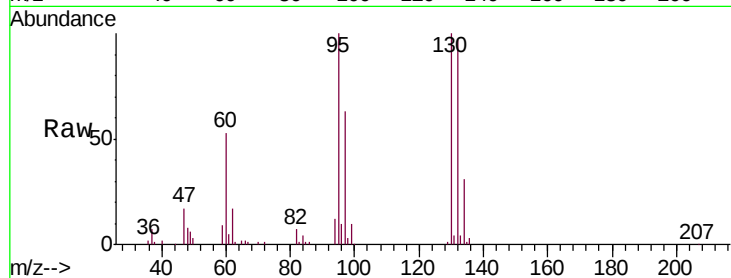




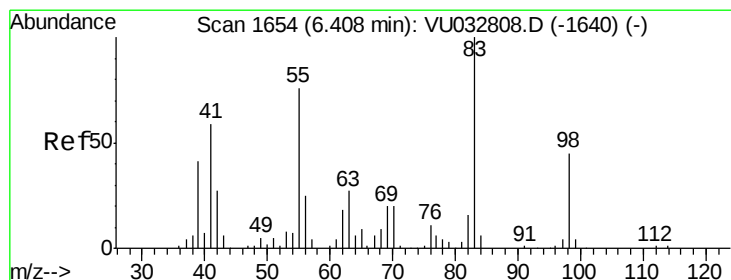
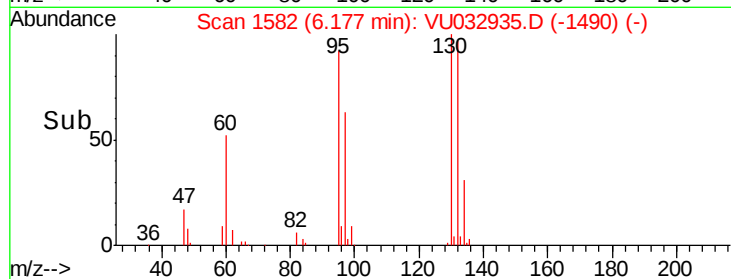
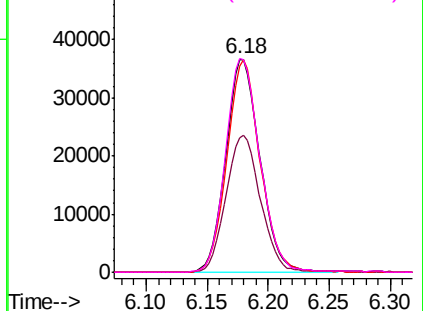
#34
 Trichloroethene
 Concen: 50.081 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05056

Tgt Ion: 95 Resp: 71746
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.9 85.3
 132 97.0 68.5 127.3
 130 100.4 70.8 131.4

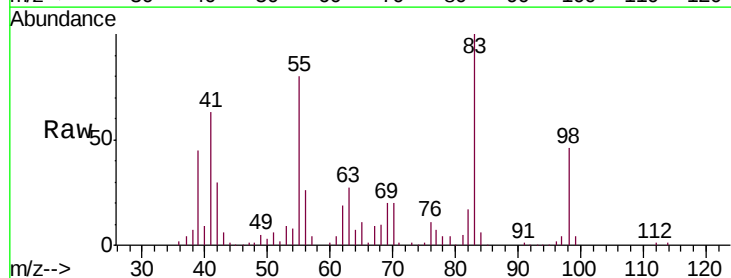


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

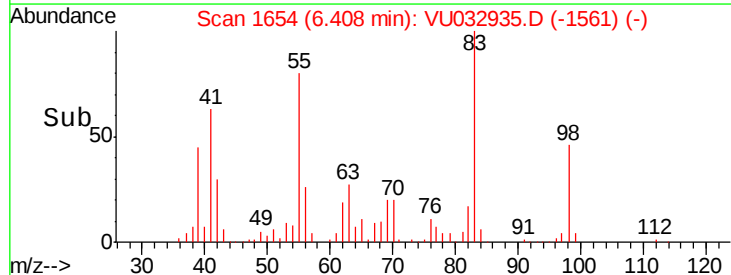
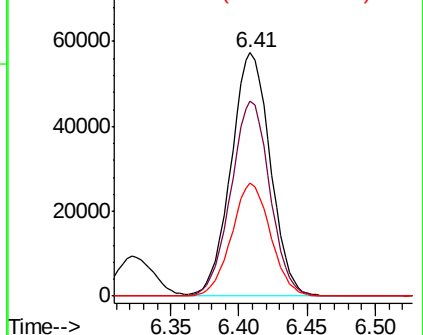


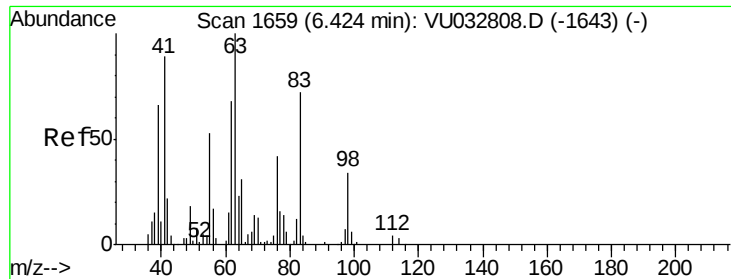
#35
 Methylcyclohexane
 Concen: 51.812 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 83 Resp: 114733
 Ion Ratio Lower Upper
 83 100
 55 79.5 62.6 94.0
 98 46.1 37.4 56.0



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

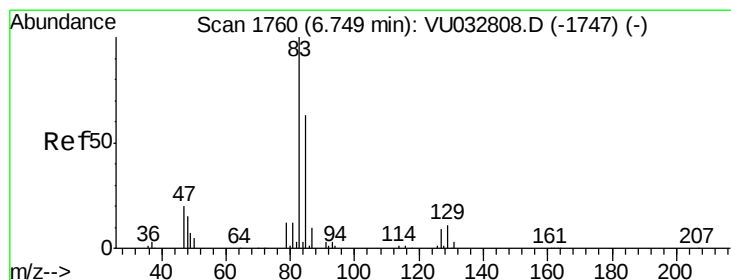
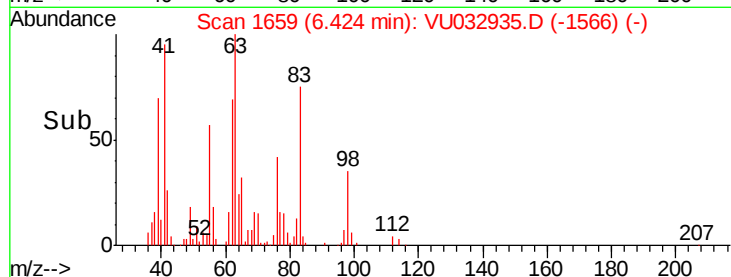
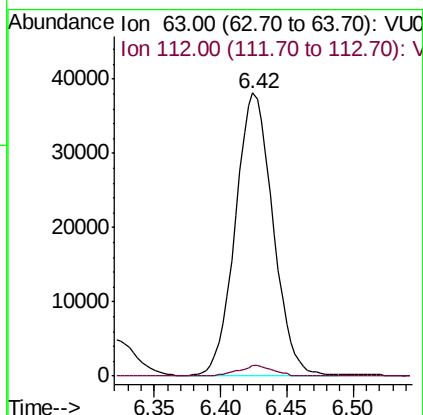
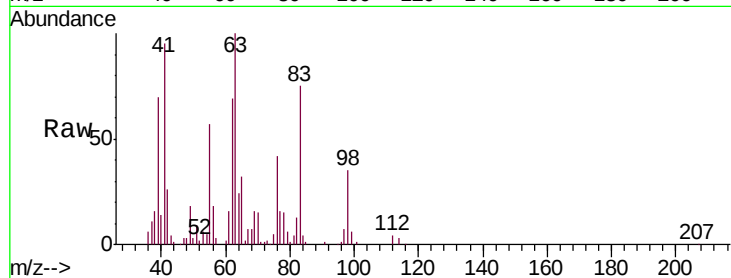




#37
 1,2-Dichloropropane
 Concen: 51.302 ug/L
 RT: 6.42 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

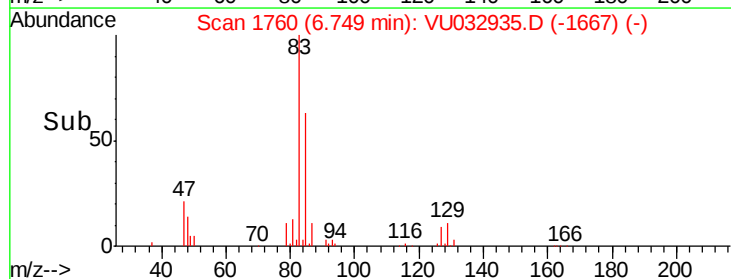
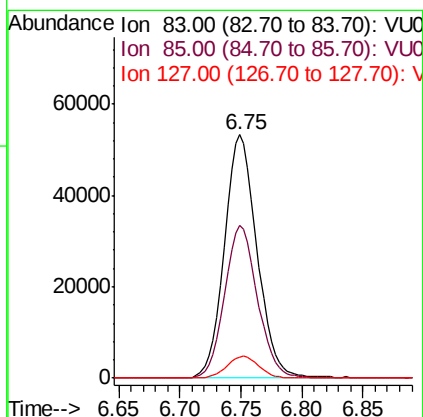
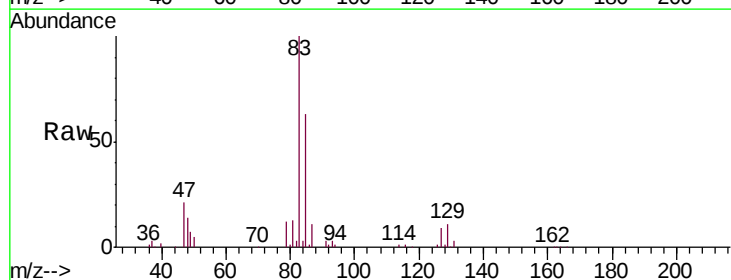
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

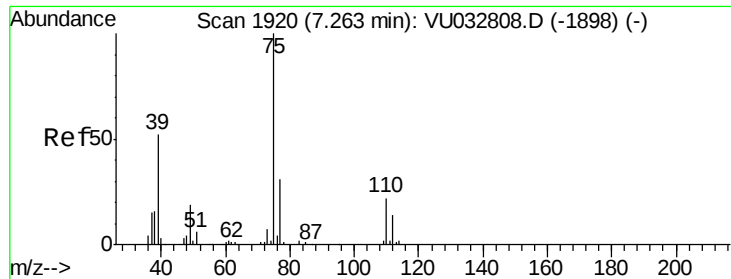
Tgt Ion: 63 Resp: 75453
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.0 4.6



#38
 Bromodichloromethane
 Concen: 50.395 ug/L
 RT: 6.75 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 83 Resp: 99665
 Ion Ratio Lower Upper
 83 100
 85 62.6 45.0 83.6
 127 8.8 7.0 10.6

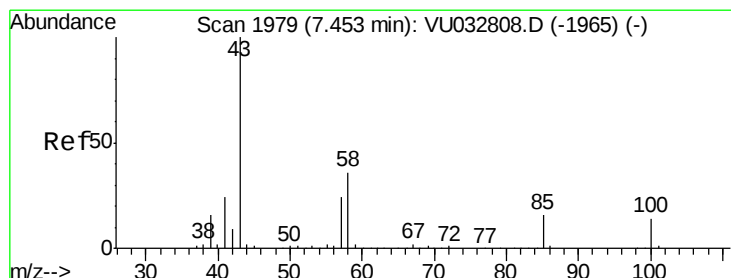
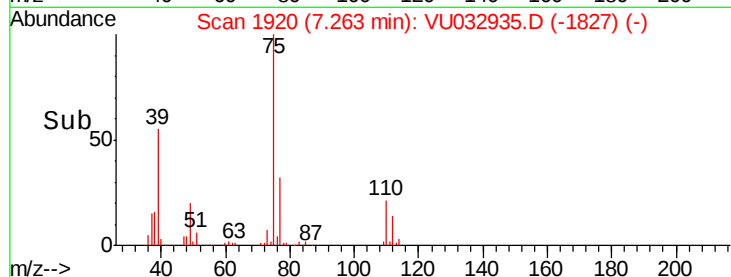
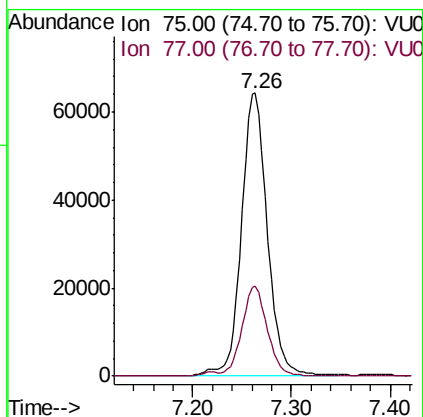
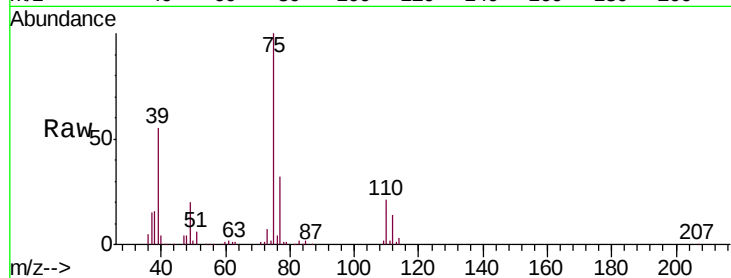




#39
 cis-1,3-Dichloropropene
 Concen: 51.207 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

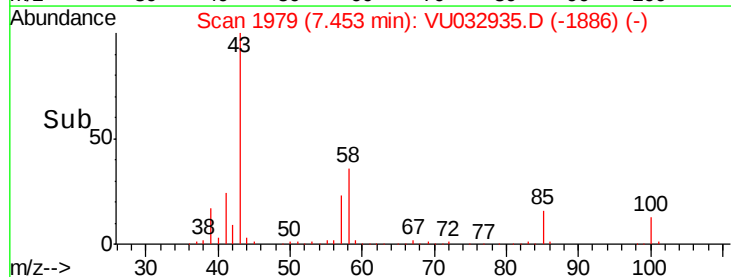
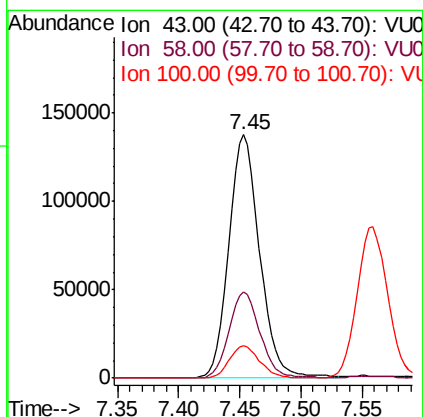
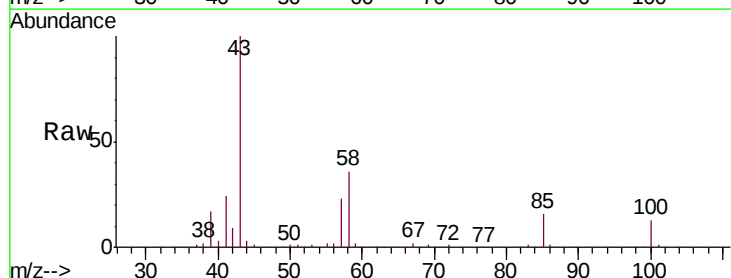
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

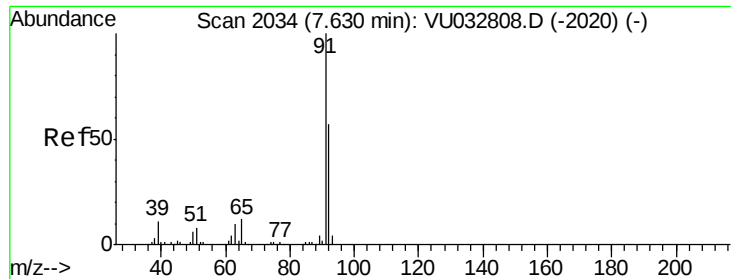
Tgt Ion: 75 Resp: 117336
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 103.614 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 43 Resp: 243299
 Ion Ratio Lower Upper
 43 100
 58 35.6 29.4 44.2
 100 13.1 11.2 16.8





#42

Toluene

Concen: 50.919 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

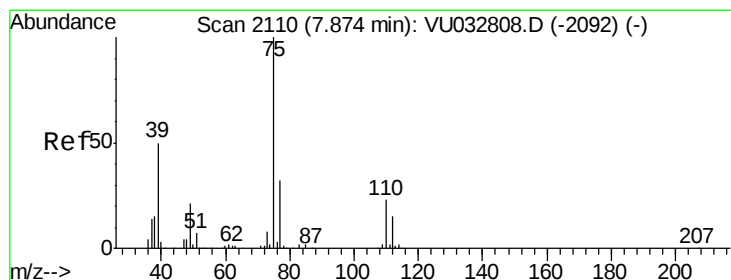
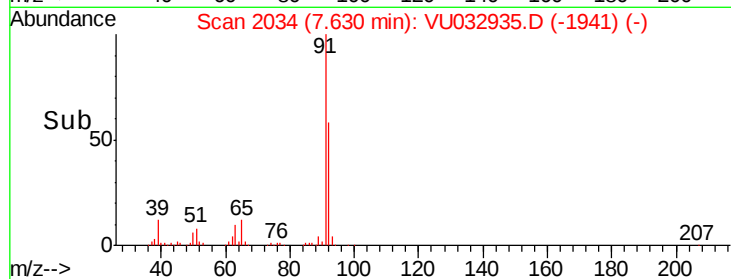
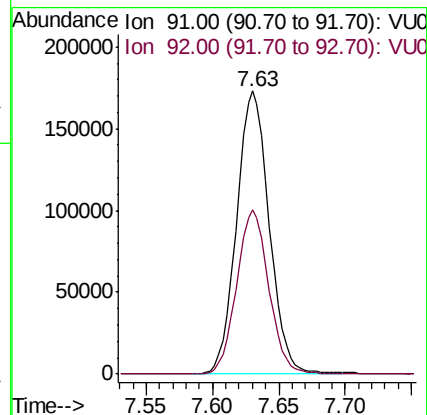
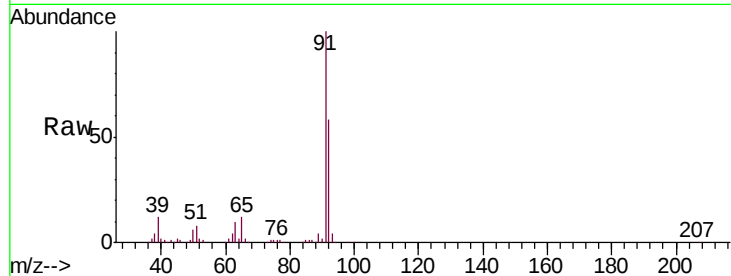
VSTD05056

Tgt Ion: 91 Resp: 295391

Ion Ratio Lower Upper

91 100

92 57.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 50.582 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU032935.D

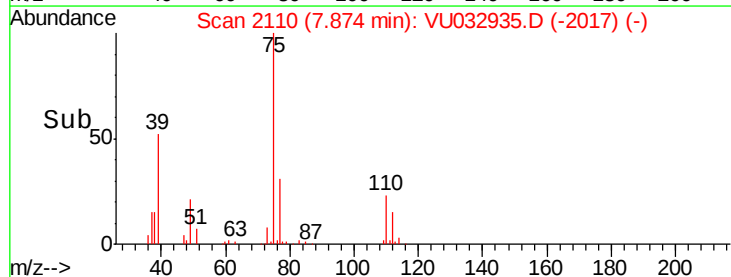
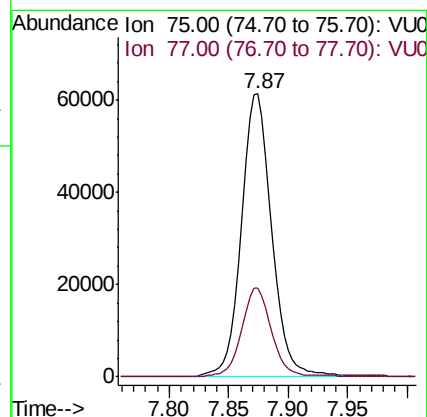
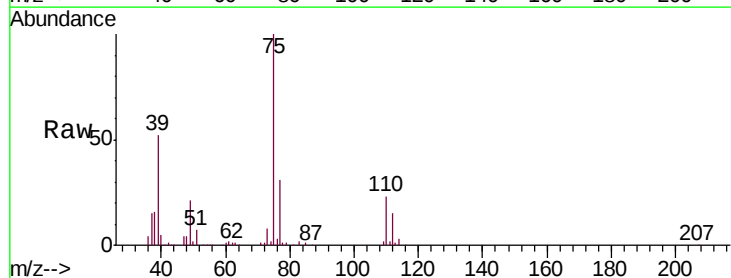
Acq: 21 Jun 2019 11:22

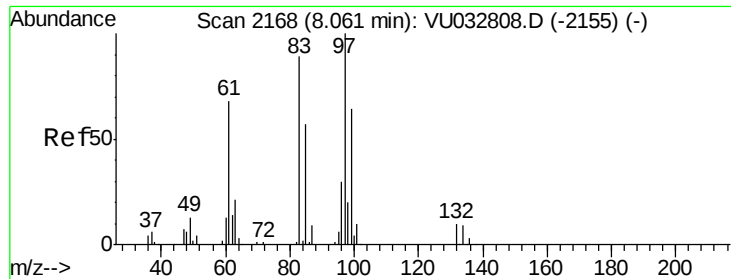
Tgt Ion: 75 Resp: 108863

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.4

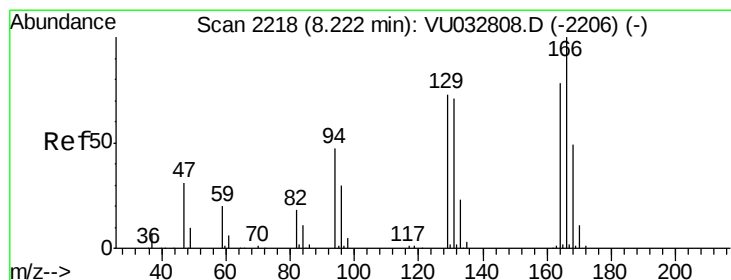
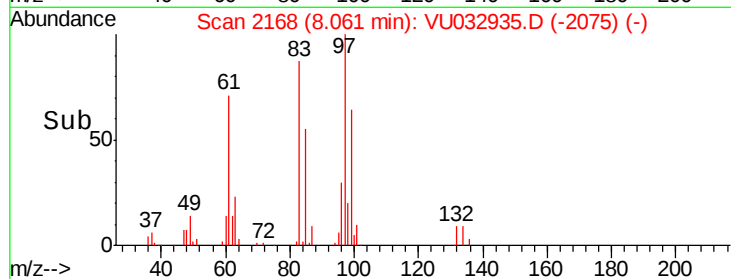
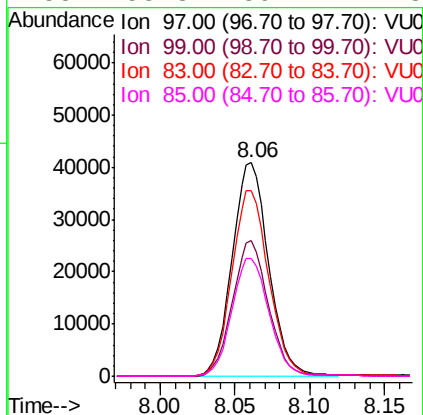
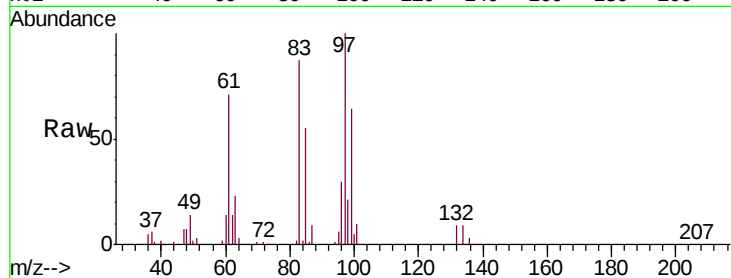




#45
 1,1,2-Trichloroethane
 Concen: 50.919 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

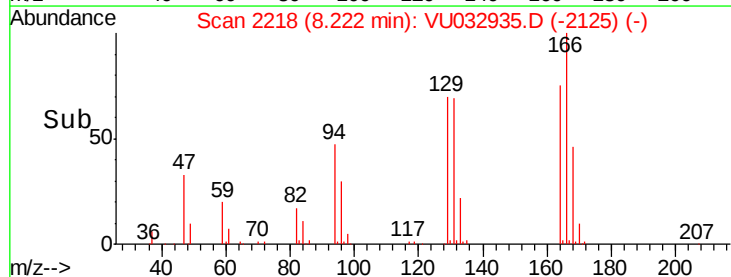
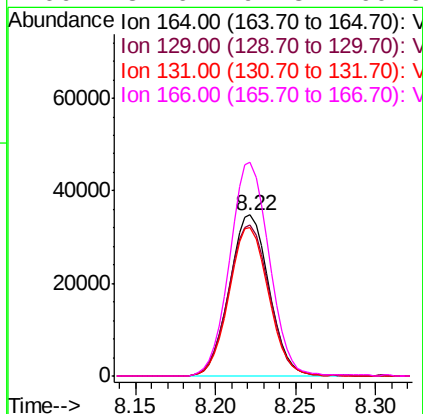
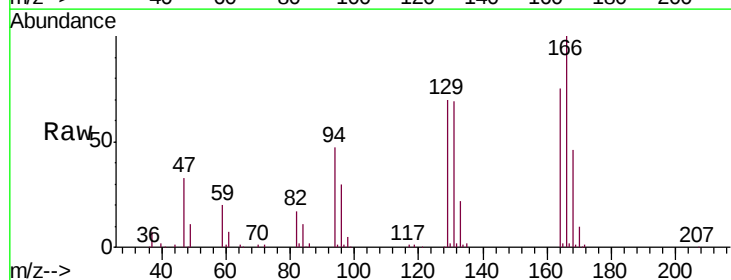
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

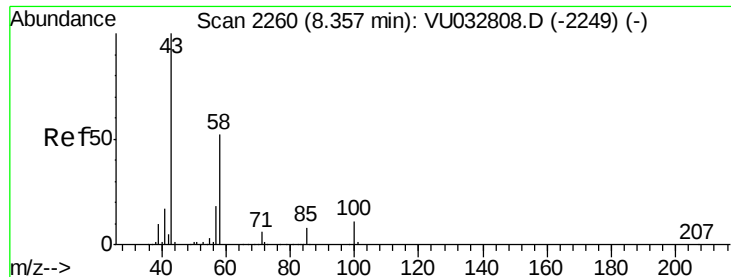
Tgt Ion:	97	Resp:	69705
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.1	80.1
83	87.2	61.4	114.0
85	55.3	39.2	72.8



#46
 Tetrachloroethene
 Concen: 49.948 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion:	164	Resp:	58634
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.8	120.3
131	91.8	64.5	119.7
166	132.6	91.3	169.6

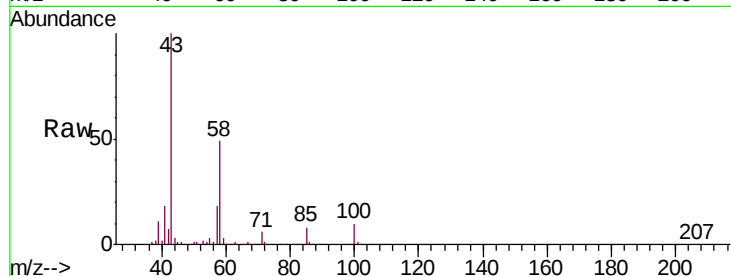




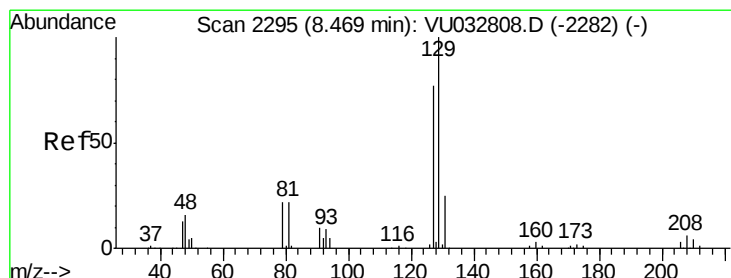
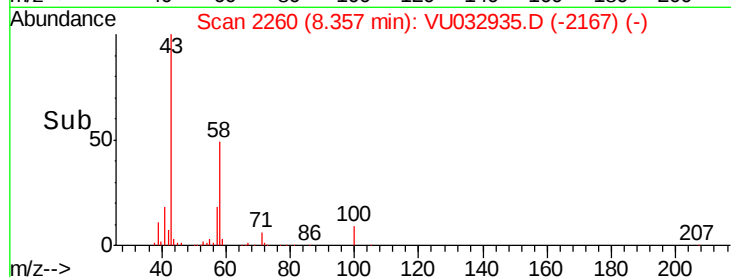
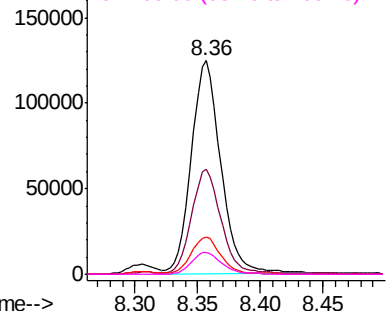
#48
2-Hexanone
Concen: 97.683 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

Tgt Ion:	43	Resp:	202377
Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.2	60.2
57	17.7	14.2	21.4
100	10.5	8.4	12.6

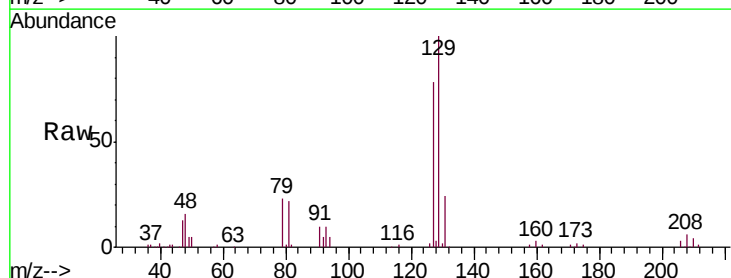


Abundance Ion 43.00 (42.70 to 43.70): VU032808.D (-2249) (-)
Ion 58.00 (57.70 to 58.70): VU032808.D (-2249) (-)
Ion 57.00 (56.70 to 57.70): VU032808.D (-2249) (-)
Ion 100.00 (99.70 to 100.70): VU032808.D (-2249) (-)

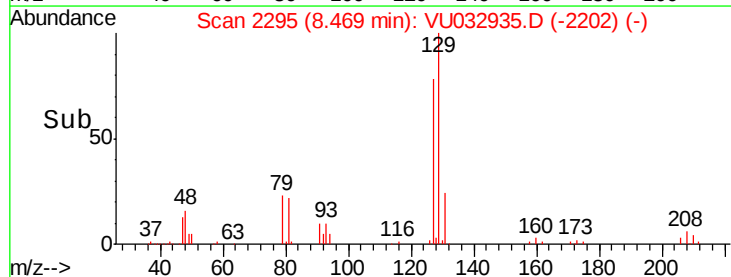
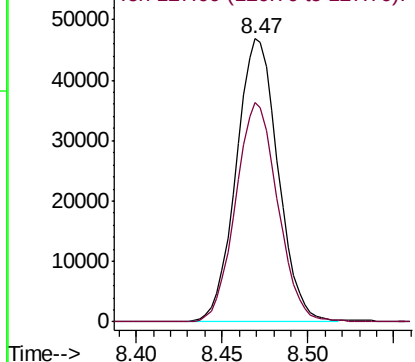


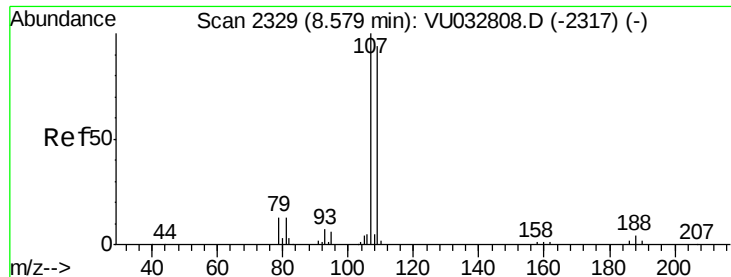
#49
Dibromochloromethane
Concen: 48.143 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032935.D
Acq: 21 Jun 2019 11:22

Tgt Ion:	129	Resp:	79451
Ion	Ratio	Lower	Upper
129	100		
127	77.7	52.3	97.1



Abundance Ion 129.00 (128.70 to 129.70): VU032808.D (-2282) (-)
Ion 127.00 (126.70 to 127.70): VU032808.D (-2282) (-)





#50

1,2-Dibromoethane

Concen: 49.848 ug/L

RT: 8.58 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

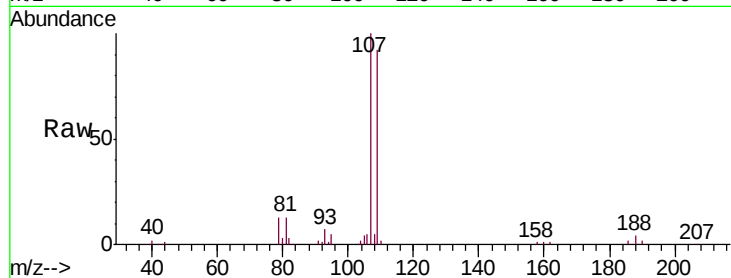
Tgt Ion:107 Resp: 75783

Ion Ratio Lower Upper

107 100

109 92.5 65.4 121.4

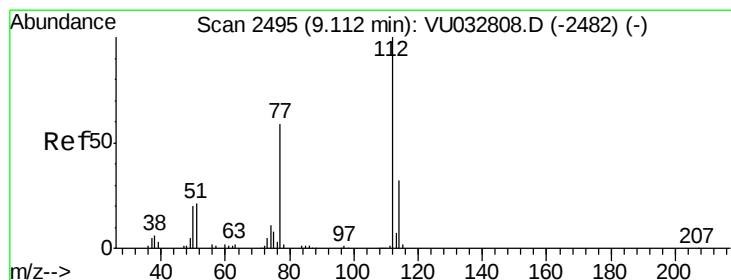
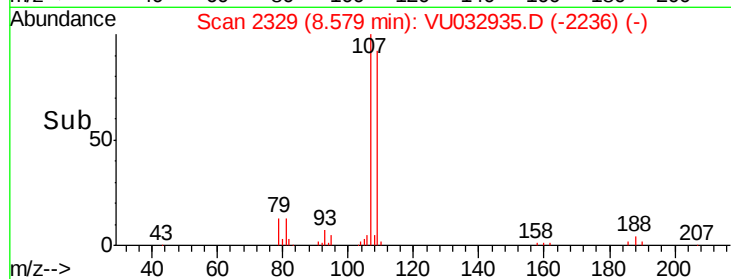
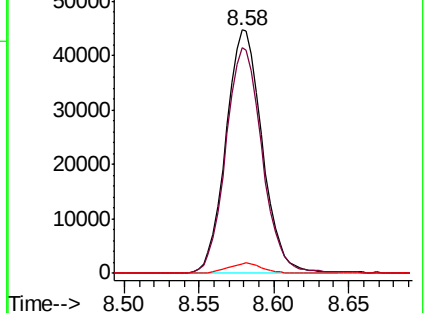
188 4.0 3.1 4.7



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: 50.232 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

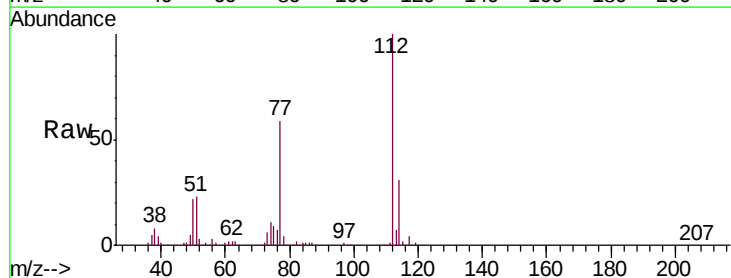
Tgt Ion:112 Resp: 191760

Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

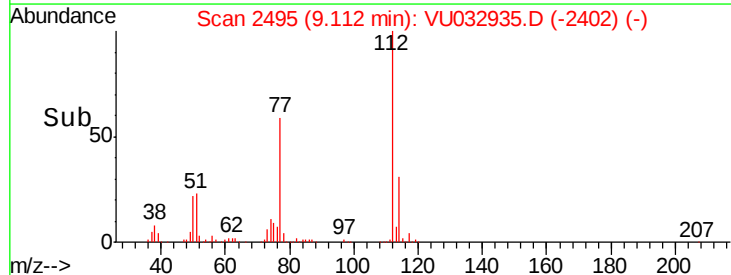
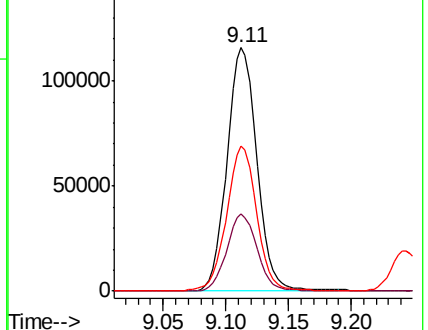
77 59.4 46.3 69.5

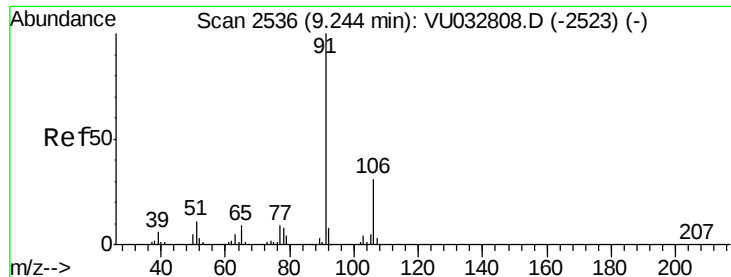


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 50.992 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

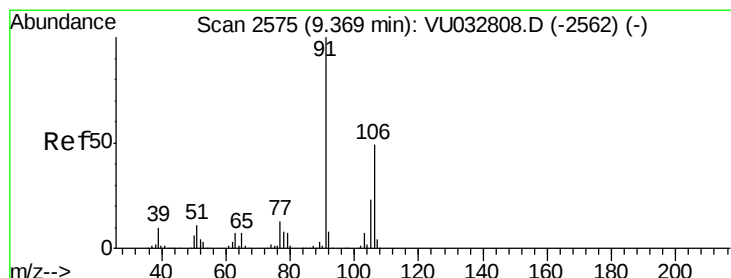
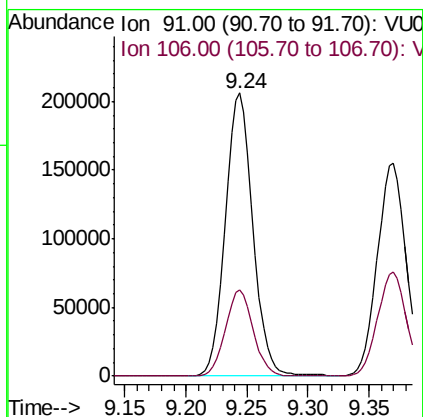
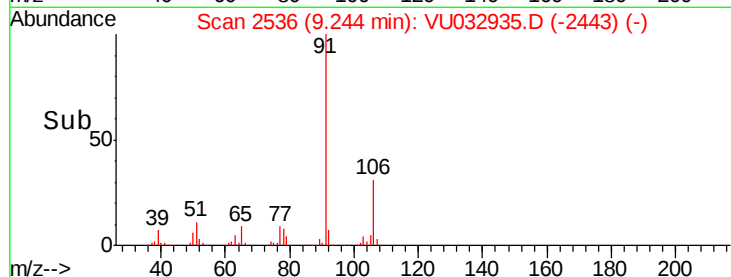
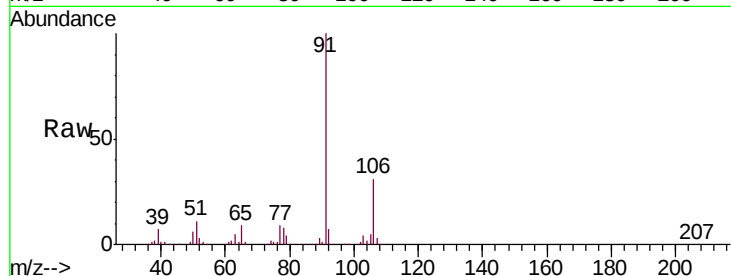
VSTD05056

Tgt Ion: 91 Resp: 327438

Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.4



#53

m,p-Xylene

Concen: 51.038 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032935.D

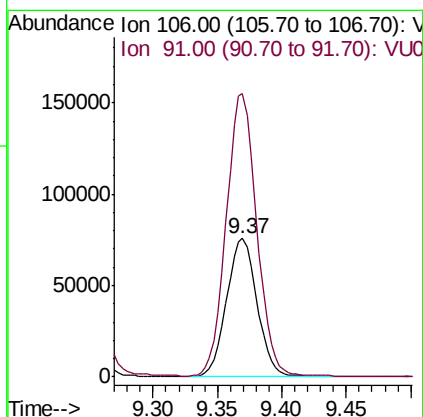
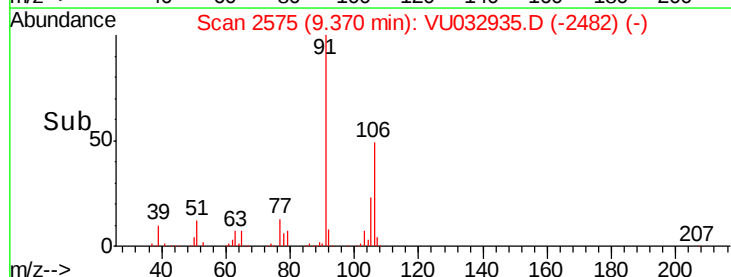
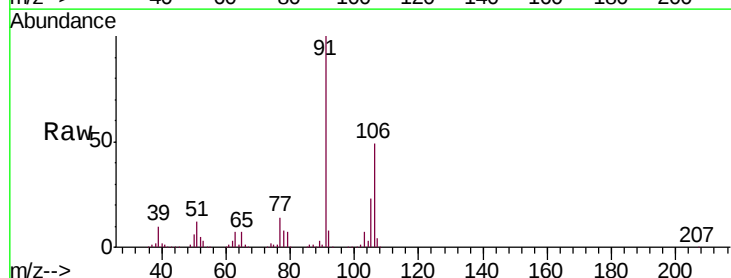
Acq: 21 Jun 2019 11:22

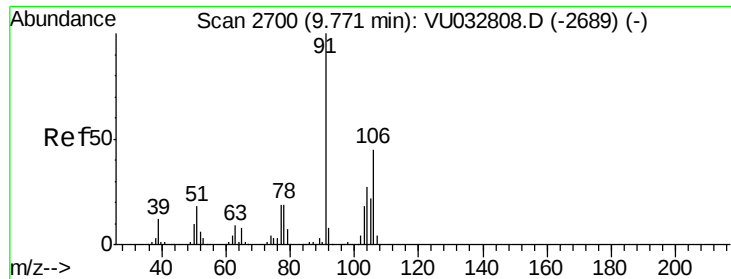
Tgt Ion: 106 Resp: 123652

Ion Ratio Lower Upper

106 100

91 204.9 142.9 265.5





#54

o-xylene

Concen: 50.604 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

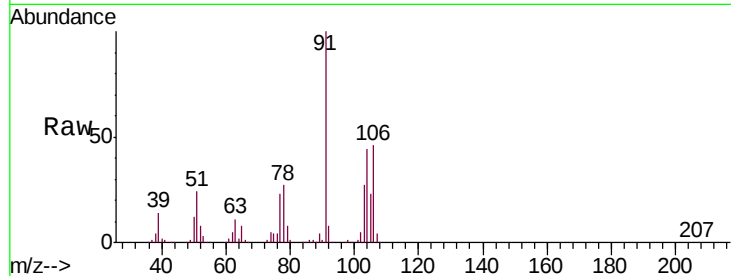
VSTD05056

Tgt Ion:106 Resp: 119726

Ion Ratio Lower Upper

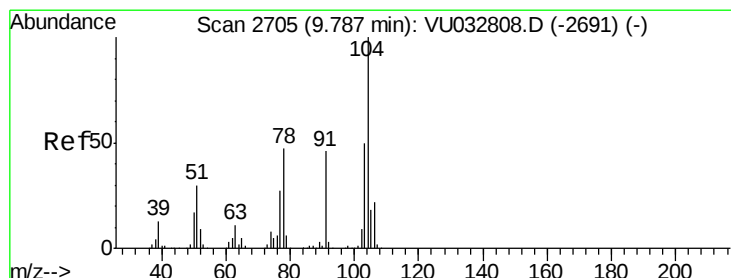
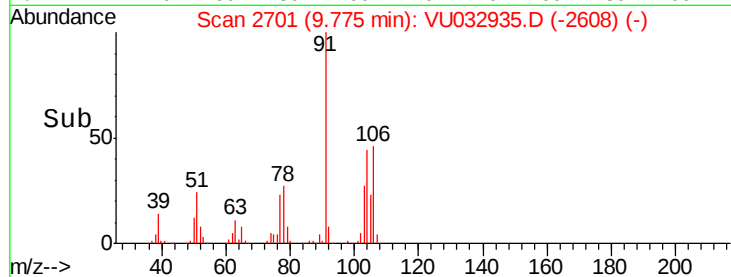
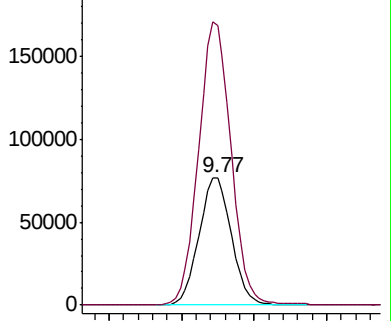
106 100

91 218.3 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.595 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU032935.D

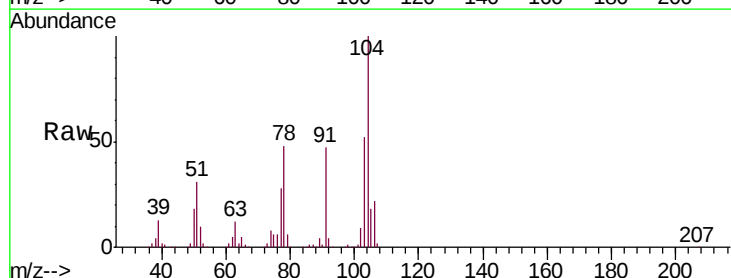
Acq: 21 Jun 2019 11:22

Tgt Ion:104 Resp: 211770

Ion Ratio Lower Upper

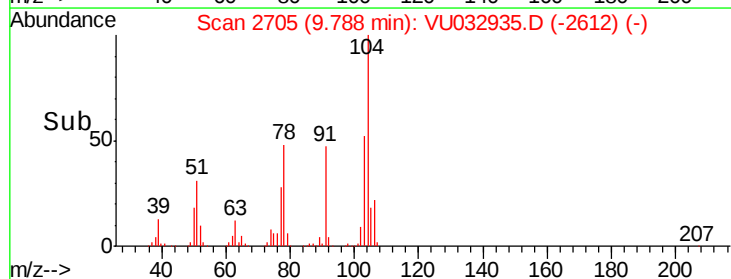
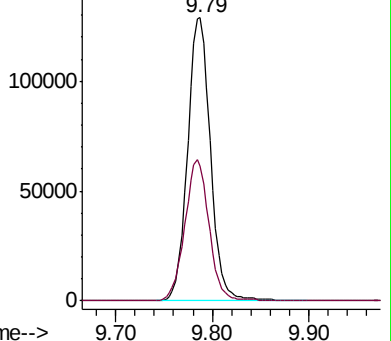
104 100

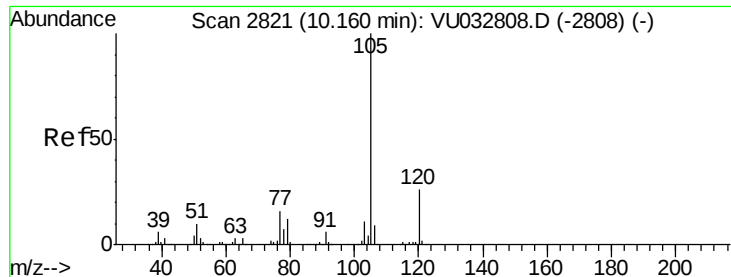
78 47.5 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.945 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

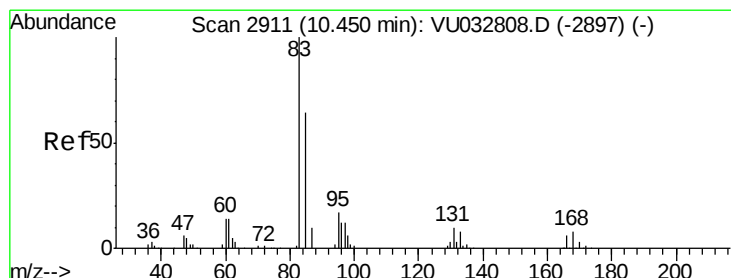
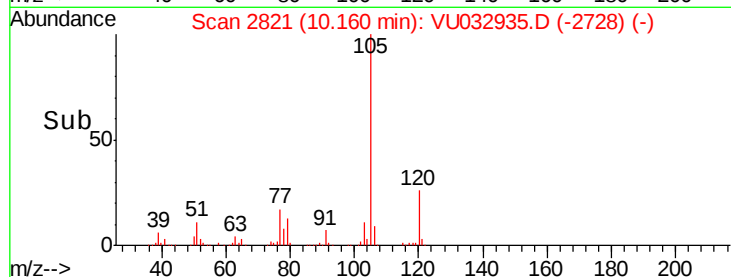
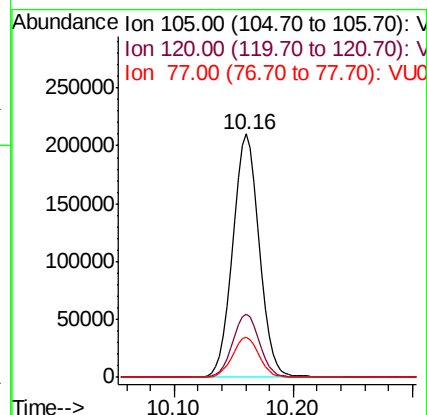
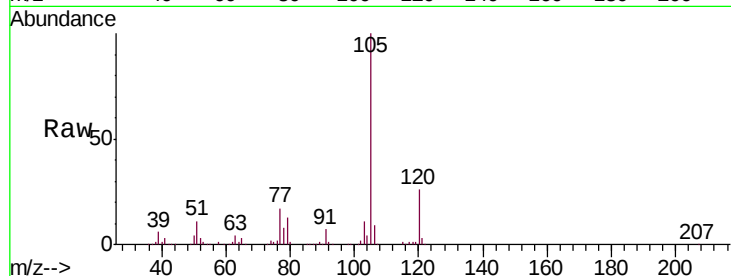
Tgt Ion:105 Resp: 324836

Ion Ratio Lower Upper

105 100

120 26.3 21.4 32.0

77 16.7 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.799 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

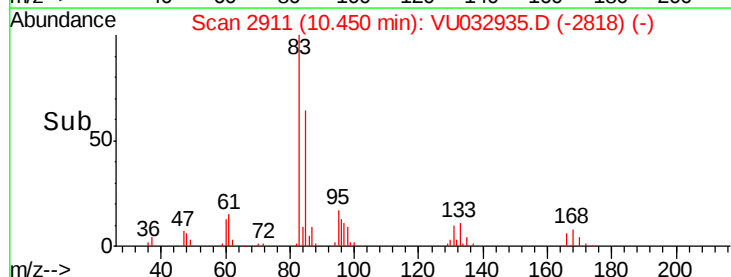
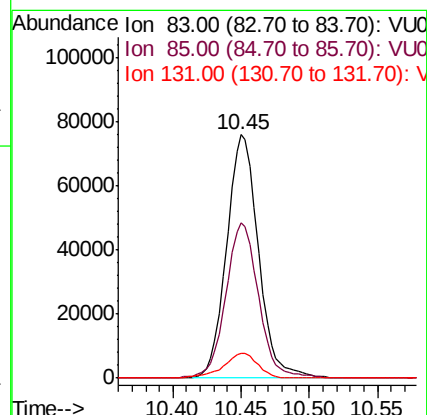
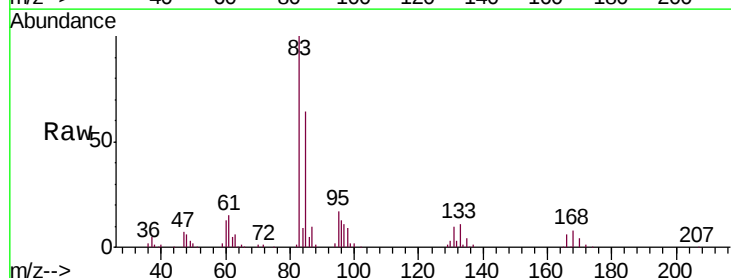
Tgt Ion: 83 Resp: 123357

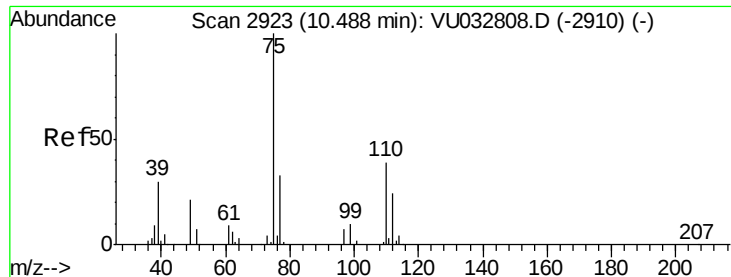
Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.2

131 10.2 7.8 11.8

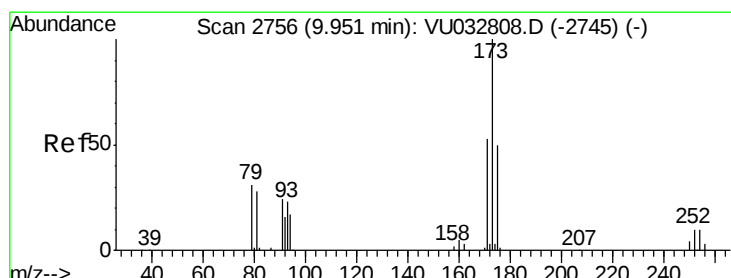
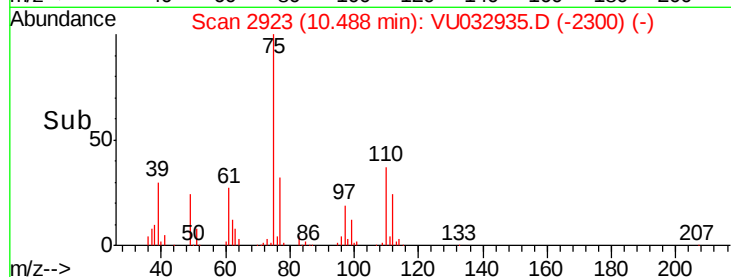
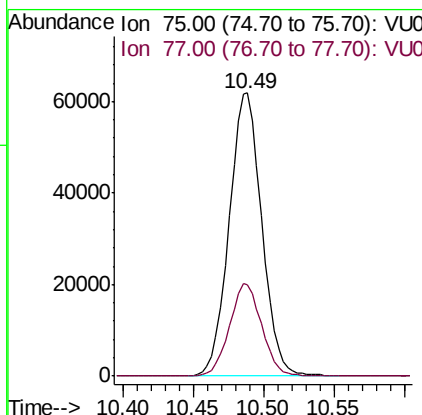
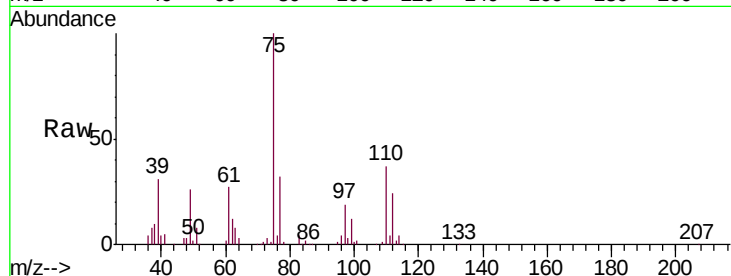




#59
 1,2,3-Trichloropropane
 Concen: 50.925 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

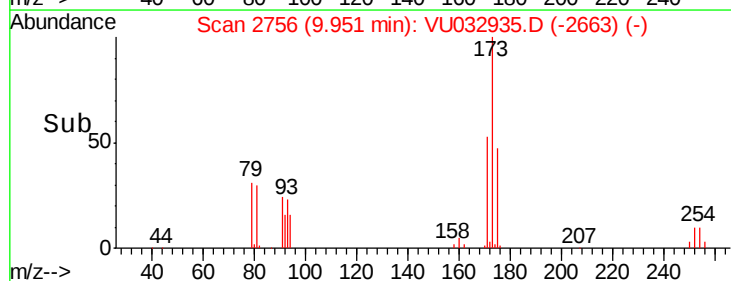
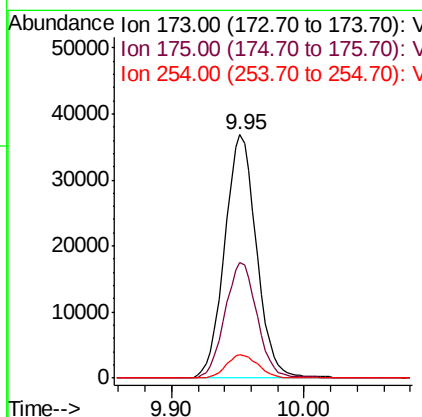
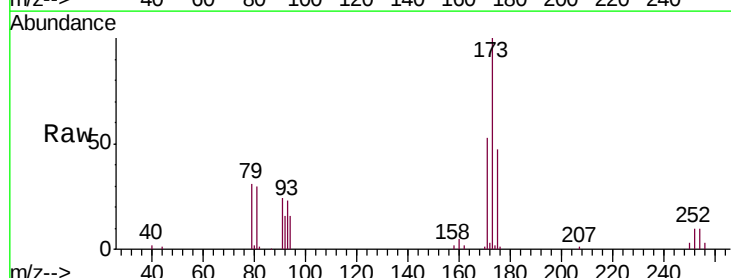
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

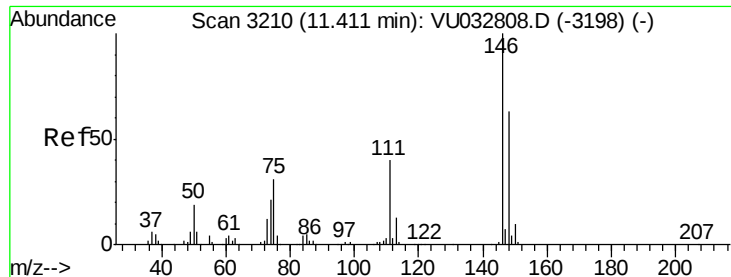
Tgt Ion: 75 Resp: 99955
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.5 38.3



#61
 Bromoform
 Concen: 47.698 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 173 Resp: 61311
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.0 58.4
 254 9.7 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 50.187 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

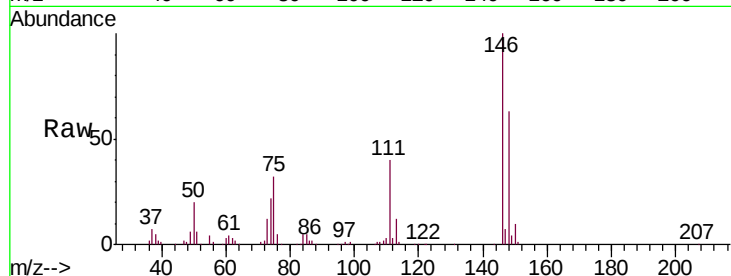
Tgt Ion:146 Resp: 153564

Ion Ratio Lower Upper

146 100

111 39.8 28.4 52.8

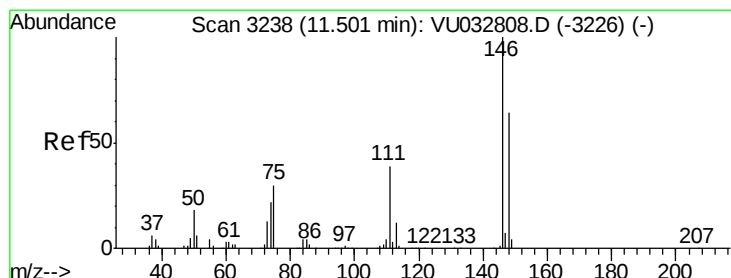
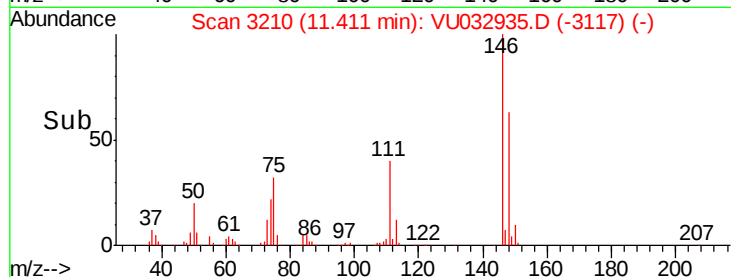
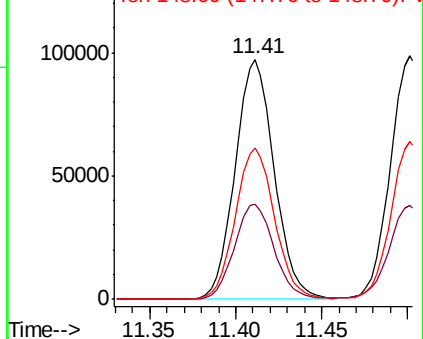
148 62.8 45.5 84.5



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: 49.480 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

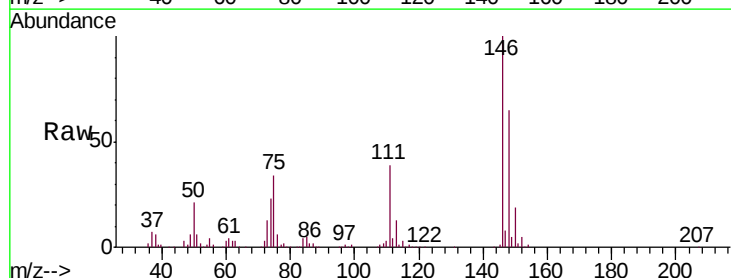
Tgt Ion:146 Resp: 156378

Ion Ratio Lower Upper

146 100

111 38.6 26.9 50.1

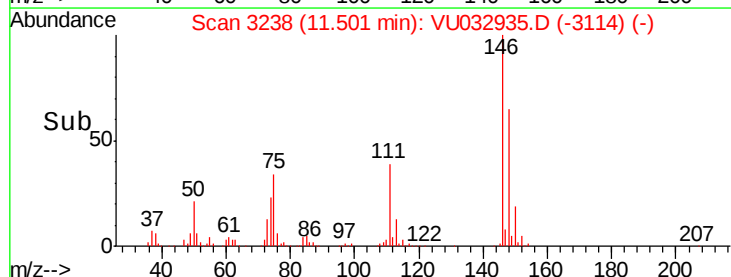
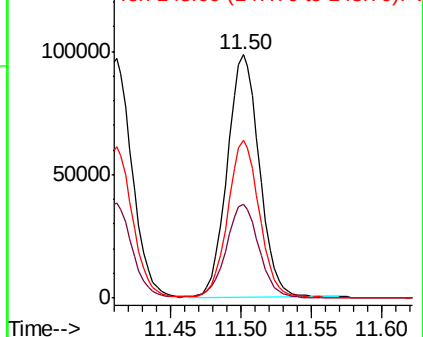
148 64.8 44.7 83.1

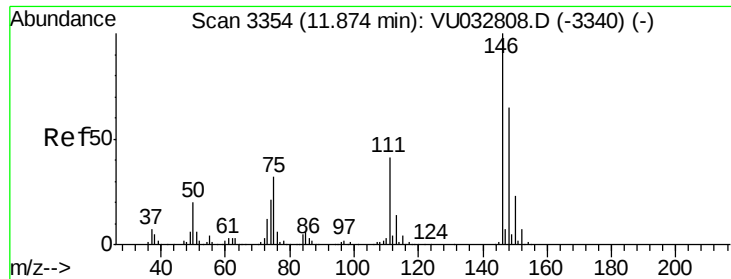


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

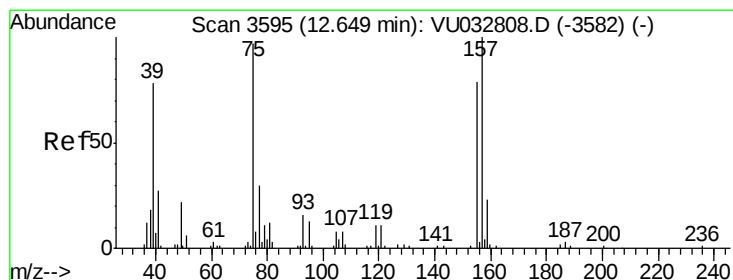
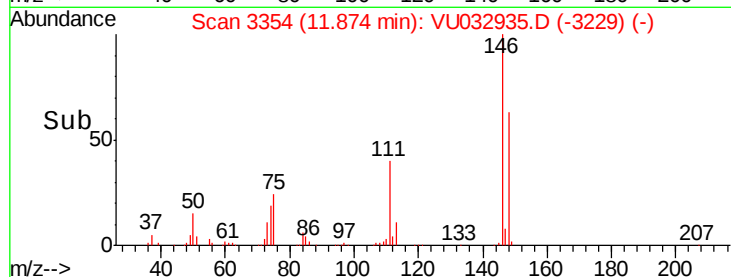
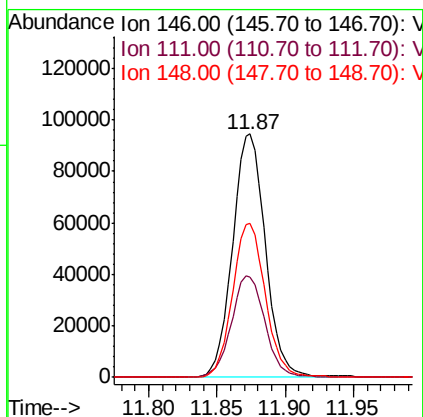
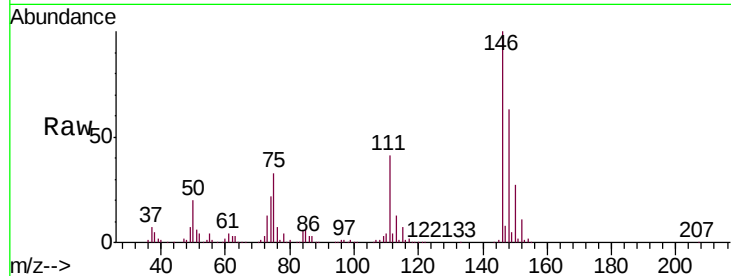




#65
 1,2-Dichlorobenzene
 Concen: 50.705 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

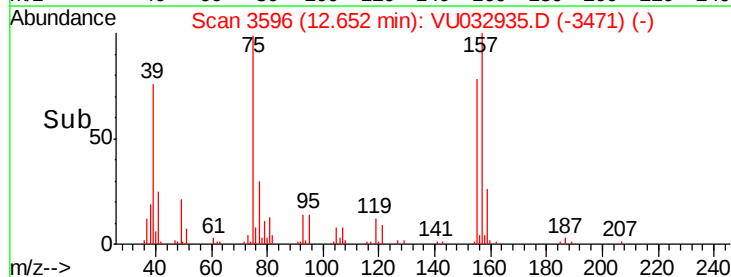
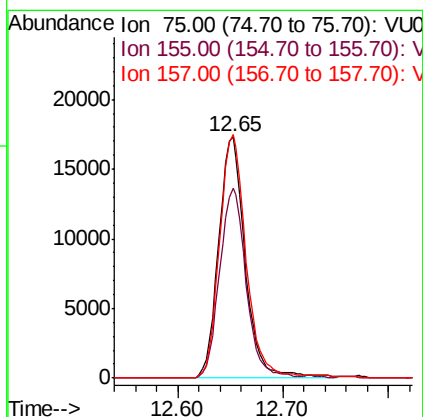
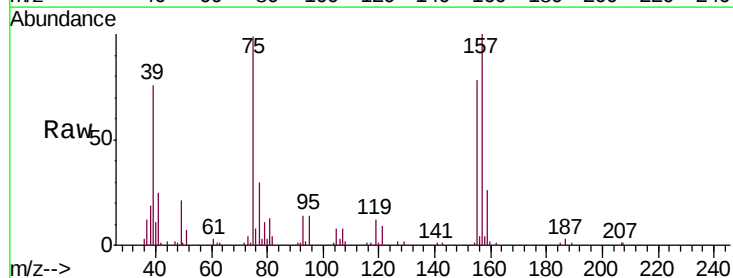
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

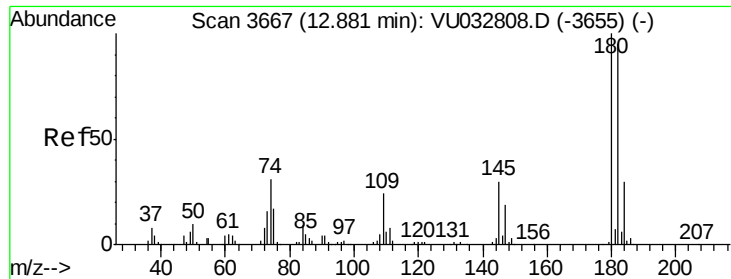
Tgt Ion: 146 Resp: 158414
 Ion Ratio Lower Upper
 146 100
 111 41.2 34.1 51.1
 148 63.5 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.771 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion: 75 Resp: 30262
 Ion Ratio Lower Upper
 75 100
 155 78.5 67.4 101.2
 157 100.8 85.5 128.3

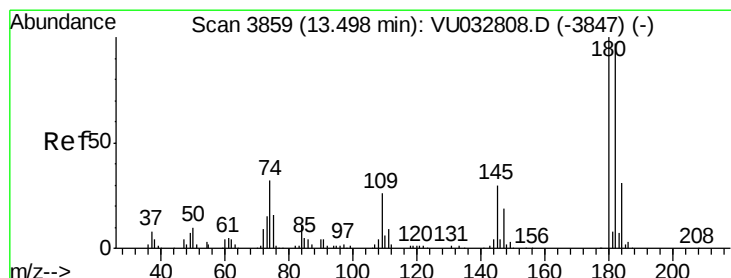
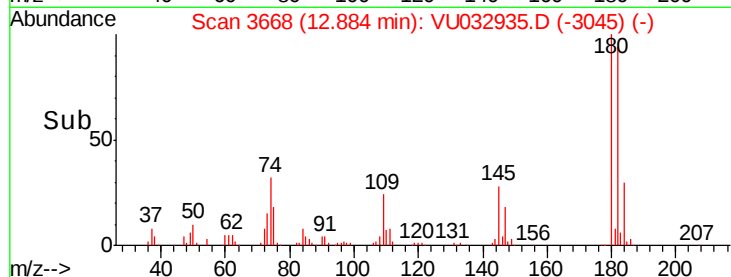
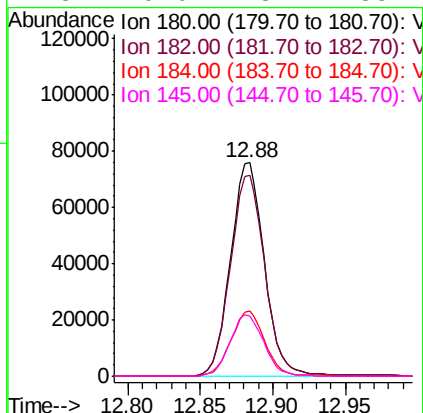
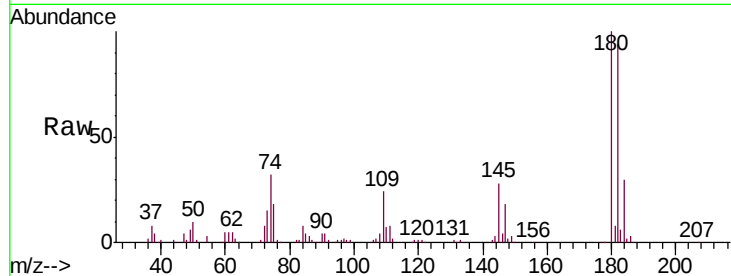




#67
 1,3,5-Trichlorobenzene
 Concen: 50.081 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

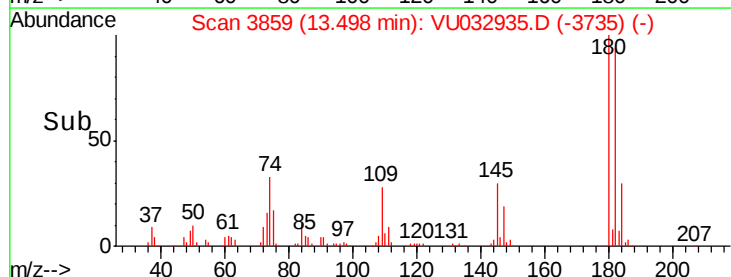
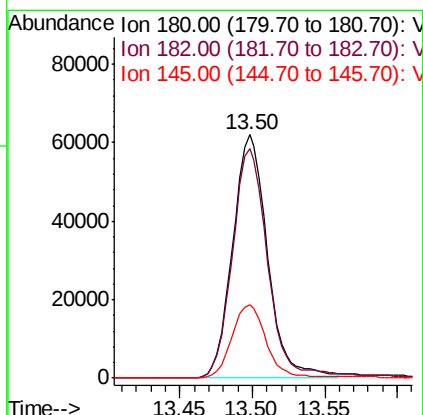
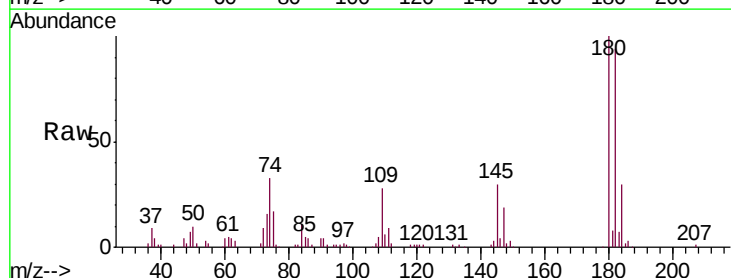
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

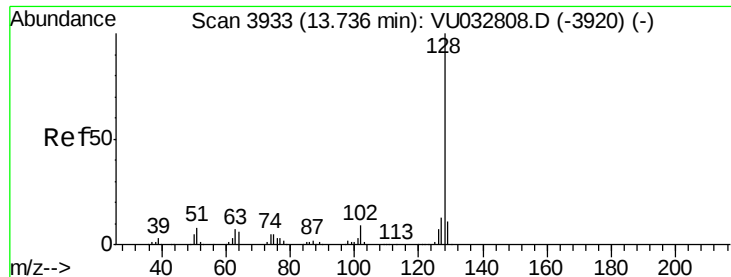
Tgt Ion:	180	Resp:	123127
Ion	Ratio	Lower	Upper
180	100		
182	96.2	78.3	117.5
184	30.4	24.8	37.2
145	29.0	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 49.103 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU032935.D
 Acq: 21 Jun 2019 11:22

Tgt Ion:	180	Resp:	103878
Ion	Ratio	Lower	Upper
180	100		
182	93.0	76.2	114.4
145	29.9	23.8	35.8





#69

Naphthalene

Concen: 47.722 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

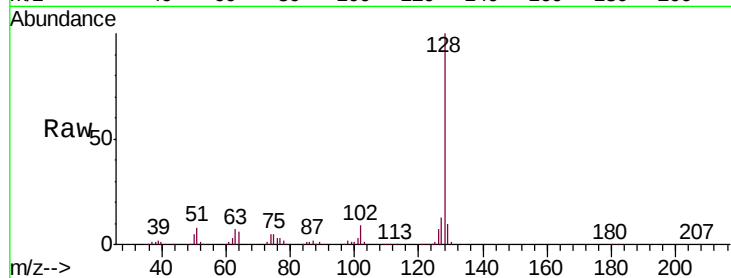
Tgt Ion:128 Resp: 310404

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

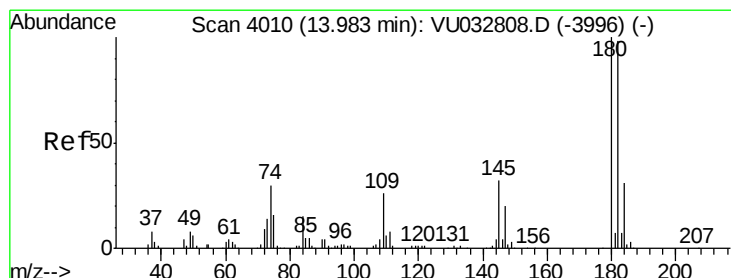
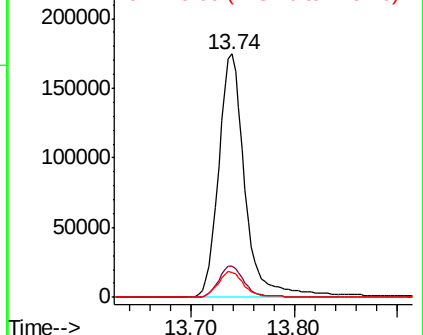
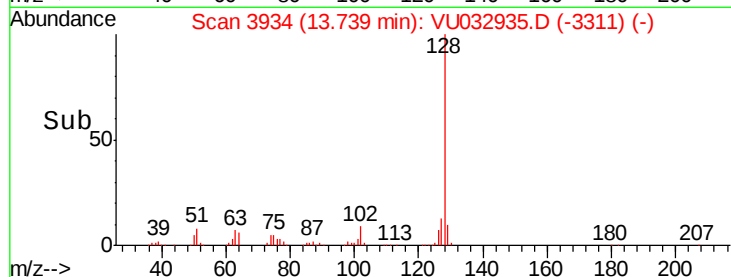
129 10.6 8.6 13.0



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: 48.529 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032935.D

Acq: 21 Jun 2019 11:22

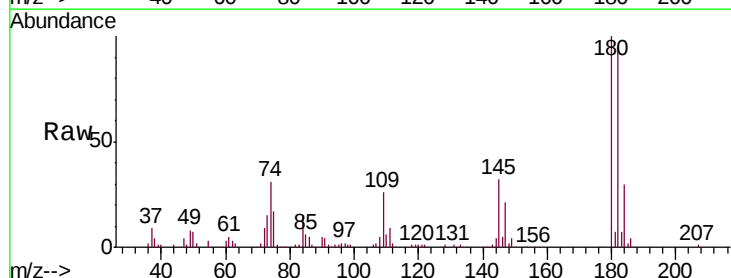
Tgt Ion:180 Resp: 108682

Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.6

145 31.8 25.5 38.3



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

