

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
 Data File : VU035943.D
 Acq On : 03 Dec 2019 12:08
 Operator : JC/SP
 Sample : VSTD01001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Quant Time: Dec 03 18:03:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 03 17:59:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	352920	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	357840	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	180544	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	394883	10.72	ug/L	0.00
7) Chloroethane-d5	1.93	69	319818	10.67	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	570064	9.46	ug/L	0.00
20) 2-Butanone-d5	4.70	46	727649	92.83	ug/L	0.00
24) Chloroform-d	5.11	84	555842	9.78	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	281798	9.41	ug/L	0.00
32) Benzene-d6	5.77	84	1115293	10.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	346363	9.70	ug/L	0.00
41) Toluene-d8	7.93	98	1039317	9.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	146958	10.26	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	645204	114.62	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	284730	9.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	358126	9.99	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	366305	9.720 ug/L	99
3) Chloromethane	1.54	50	408317	9.461 ug/L	100
5) Vinyl chloride	1.62	62	430557	9.729 ug/L	99
6) Bromomethane	1.87	94	240559	9.535 ug/L	97
8) Chloroethane	1.95	64	244967	9.610 ug/L	100
9) Trichlorofluoromethane	2.16	101	496051	9.250 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	272314	8.685 ug/L	98
12) 1,1-Dichloroethene	2.61	96	260715	8.682 ug/L	97
13) Acetone	2.68	43	543875	93.659 ug/L	99
14) Carbon disulfide	2.82	76	885374	9.058 ug/L	99
15) Methyl Acetate	3.00	43	116166	8.834 ug/L	97
16) Methylene chloride	3.08	84	305643	8.487 ug/L	98
17) Methyl tert-butyl Ether	3.42	73	630003	9.027 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	268773	8.710 ug/L	99
19) 1,1-Dichloroethane	3.92	63	533332	9.232 ug/L	99
21) 2-Butanone	4.77	43	854934	100.970 ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	298542	8.843 ug/L	98
23) Bromochloromethane	5.02	128	132120	8.239 ug/L	98
25) Chloroform	5.14	83	533727	8.500 ug/L	99
27) 1,2-Dichloroethane	5.84	62	340076	9.620 ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	445869	9.678 ug/L	99
30) Cyclohexane	5.43	56	481088	10.441 ug/L	99
31) Carbon tetrachloride	5.57	117	395688	9.588 ug/L	100
33) Benzene	5.82	78	1206896	9.773 ug/L	100
34) Trichloroethene	6.58	95	295312	9.427 ug/L	99
35) Methylcyclohexane	6.80	83	485388	10.171 ug/L	98
37) 1,2-Dichloropropane	6.83	63	315853	9.700 ug/L	100
38) Bromodichloromethane	7.14	83	381238	9.661 ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	445782	9.673 ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	1936599	102.914 ug/L	98

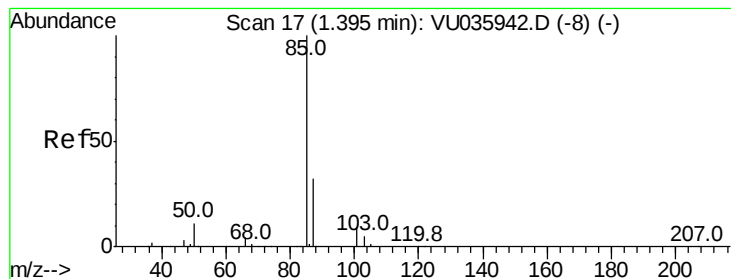
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	1291166	9.980	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	371553	10.043	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	217328	9.373	ug/L	98
47) Tetrachloroethene	8.58	164	238299	8.837	ug/L	98
48) 2-Hexanone	8.73	43	1474636	109.166	ug/L	98
49) Dibromochloromethane	8.84	129	260227	9.183	ug/L	100
50) 1,2-Dibromoethane	8.96	107	205096	9.302	ug/L	97
51) Chlorobenzene	9.47	112	773502	9.229	ug/L	99
52) Ethylbenzene	9.60	91	1337103	9.911	ug/L	98
53) m,p-Xylene	9.72	106	516069	10.092	ug/L	96
54) o-Xylene	10.13	106	489050	9.978	ug/L	99
55) Styrene	10.14	104	852238	10.474	ug/L	95
56) Isopropylbenzene	10.51	105	1285791	9.972	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	280568	9.225	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	202381	9.443	ug/L	99
61) Bromoform	10.32	173	152867	9.351	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	612799	10.085	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	607334	10.378	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	584585	10.244	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	40709	10.877	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	436061	11.149	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	273824	11.661	ug/L	98
69) Naphthalene	14.11	128	315667	11.179	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	266550	11.769	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.720 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

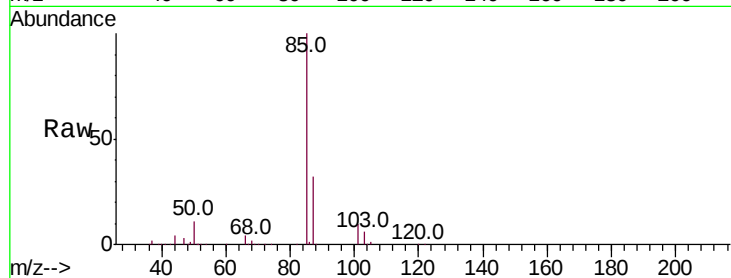
VSTD01001

Tot Ion: 85 Resp: 366305

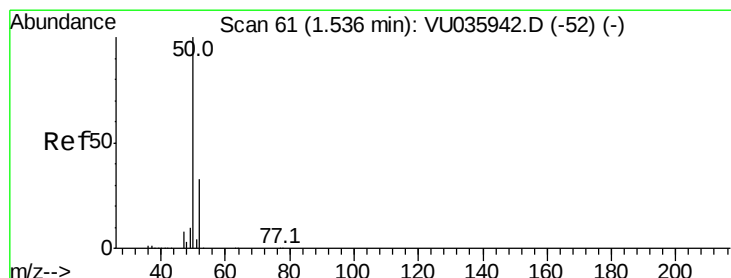
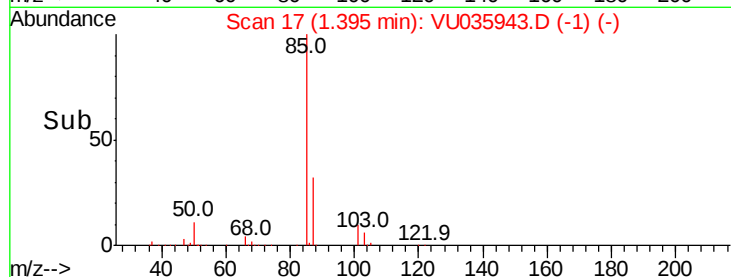
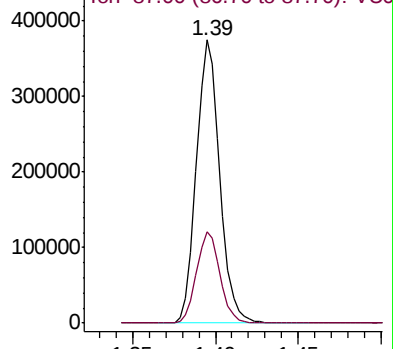
Ion Ratio Lower Upper

85 100

87 32.3 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035943.D (-8) (-)



#3

Chloromethane

Concen: 9.461 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035943.D

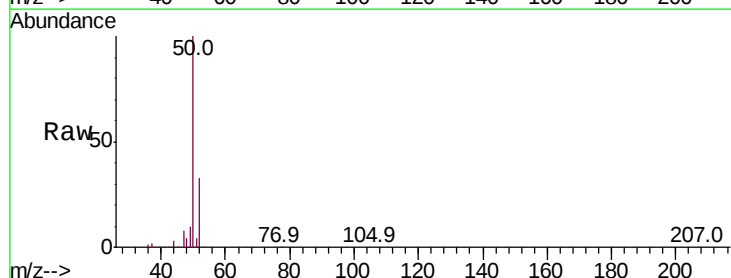
Acq: 03 Dec 2019 12:08

Tgt Ion: 50 Resp: 408317

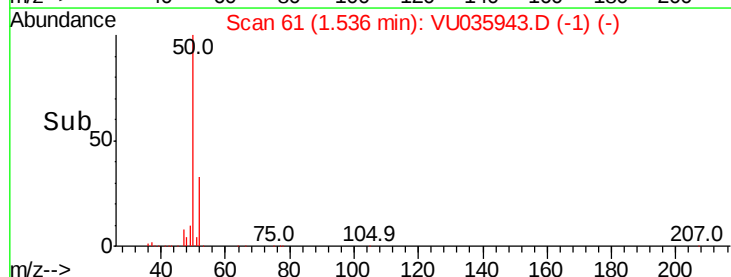
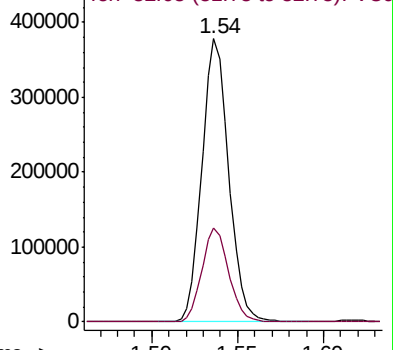
Ion Ratio Lower Upper

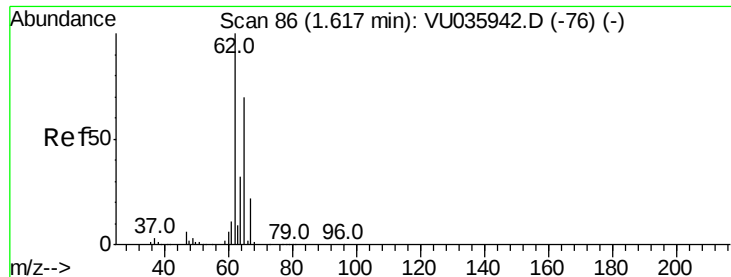
50 100

52 33.1 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU035943.D (-1) (-)





#5

Vinyl chloride

Concen: 9.729 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

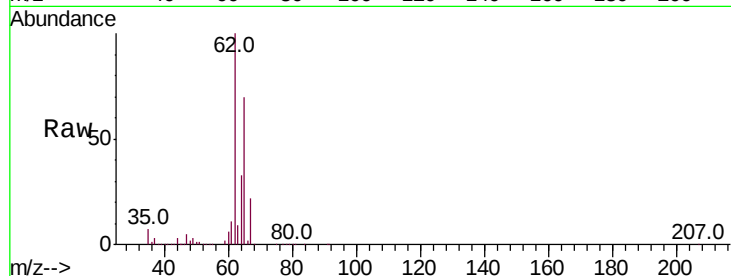
VSTD01001

Tot Ion: 62 Resp: 430557

Ion Ratio Lower Upper

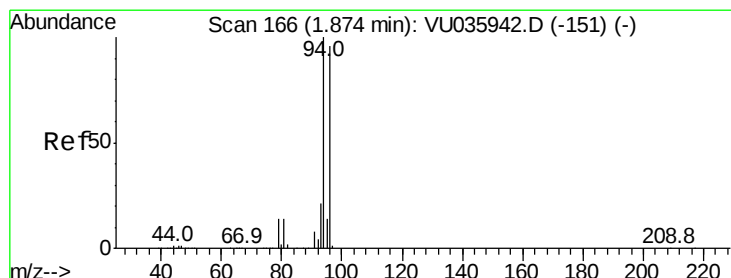
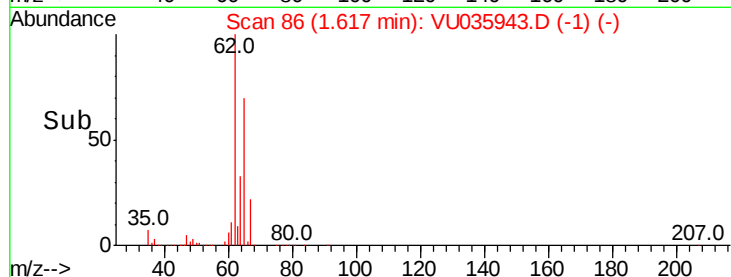
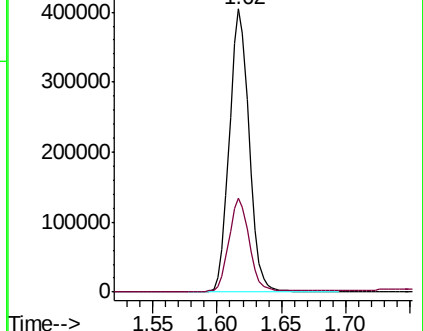
62 100

64 33.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU035943.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035943.D (-76) (-)



#6

Bromomethane

Concen: 9.535 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035943.D

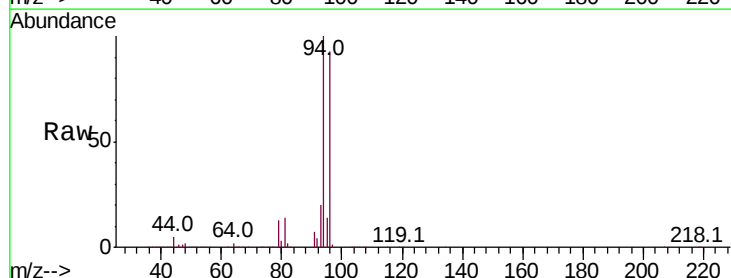
Acq: 03 Dec 2019 12:08

Tgt Ion: 94 Resp: 240559

Ion Ratio Lower Upper

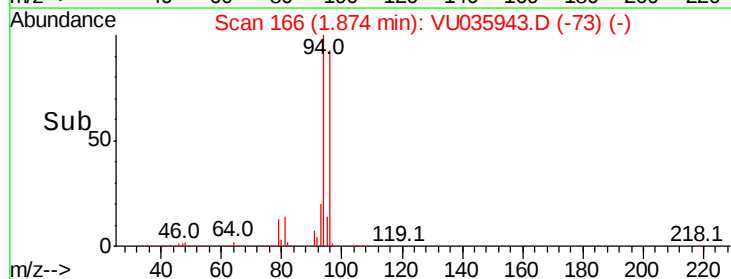
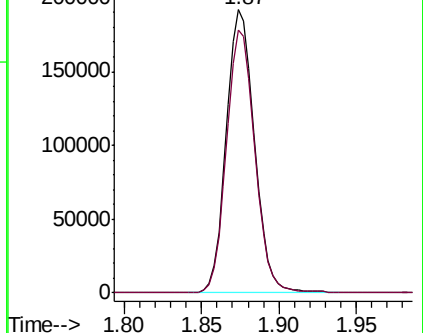
94 100

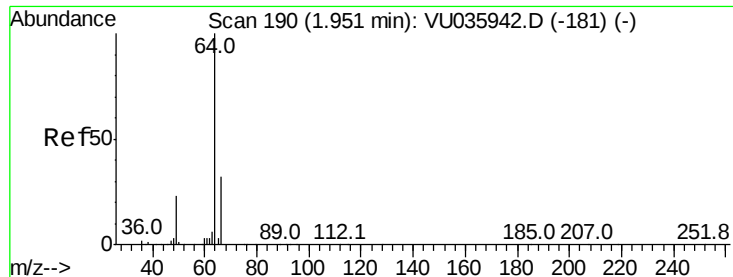
96 93.0 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU035943.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035943.D (-151) (-)





#8

Chloroethane

Concen: 9.610 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

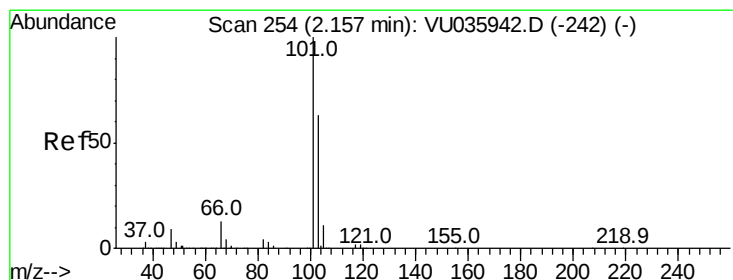
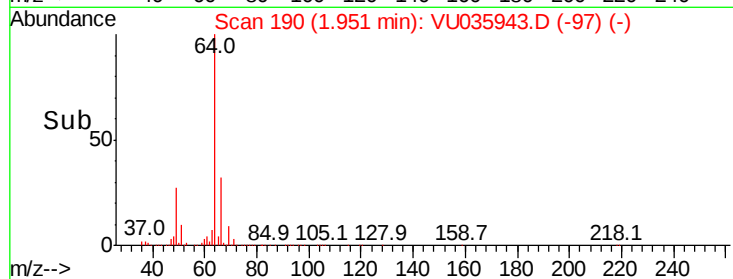
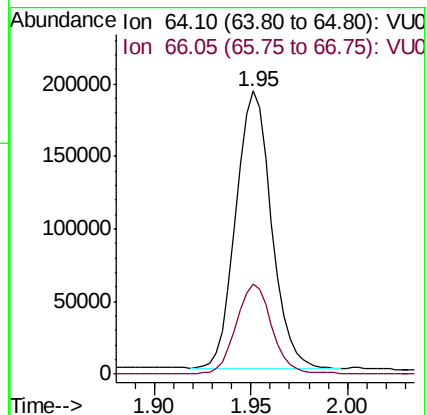
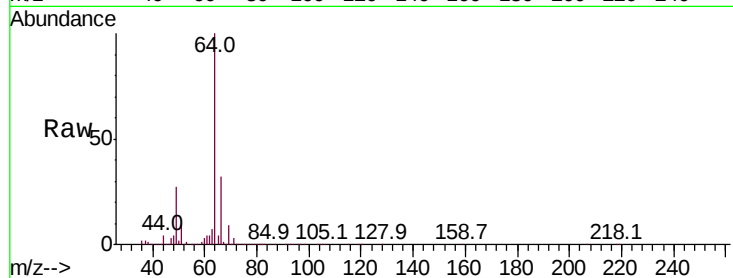
VSTD01001

Tot Ion: 64 Resp: 244967

Ion Ratio Lower Upper

64 100

66 31.7 22.0 40.8



#9

Trichlorofluoromethane

Concen: 9.250 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU035943.D

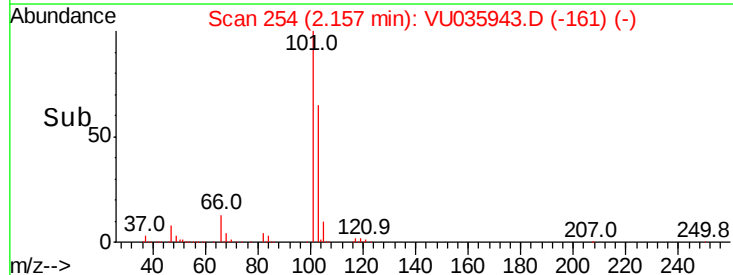
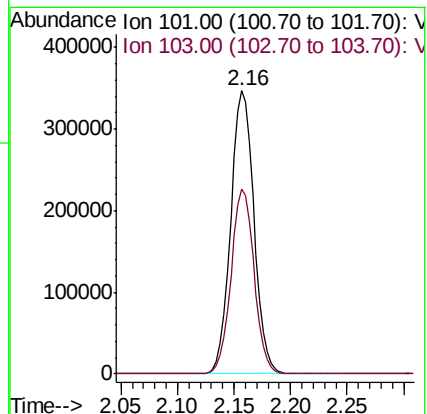
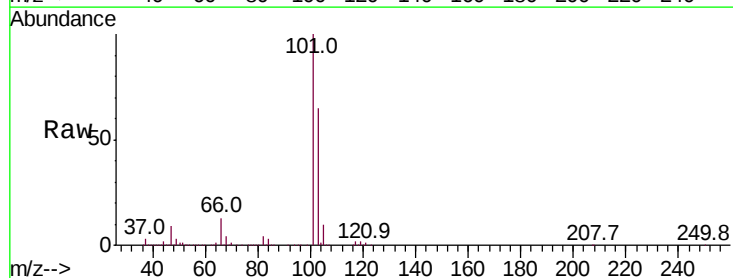
Acq: 03 Dec 2019 12:08

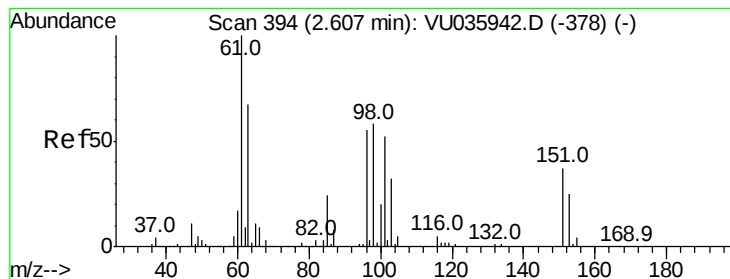
Tgt Ion: 101 Resp: 496051

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.8





#10

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

Concen: 8.685 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

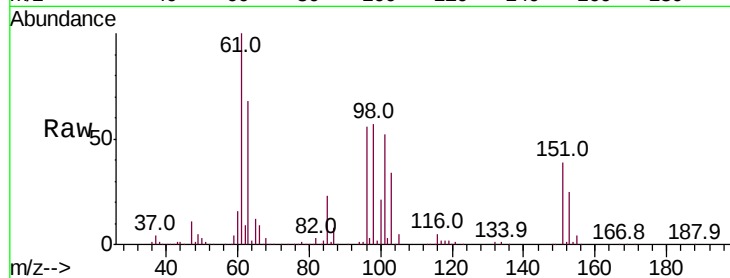
Tot Ion:101 Resp: 272314

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

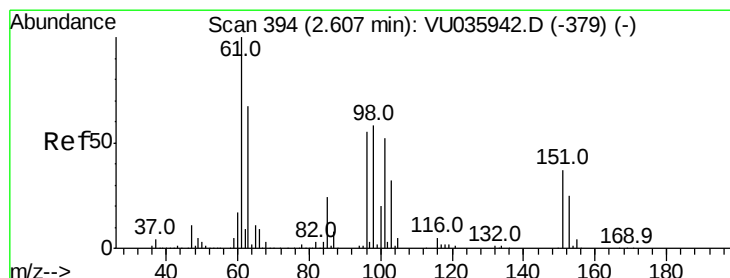
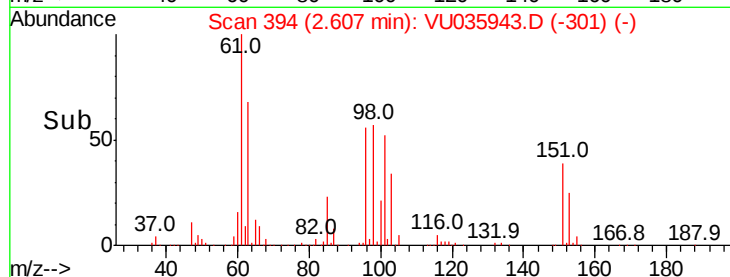
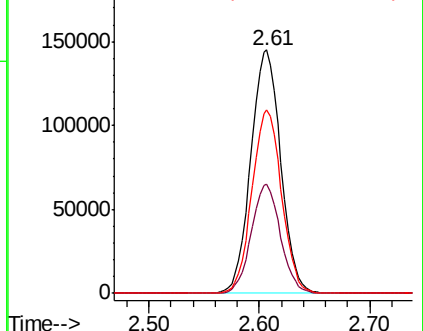
151 74.6 57.5 86.3



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: 8.682 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

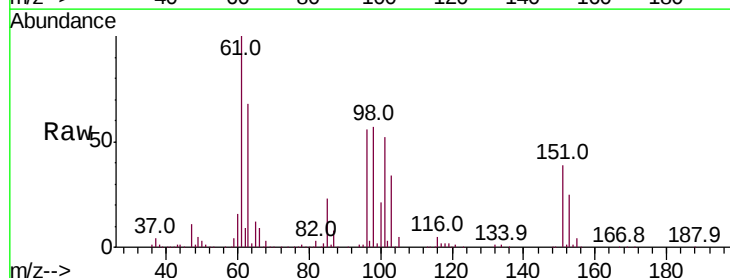
Tgt Ion: 96 Resp: 260715

Ion Ratio Lower Upper

96 100

61 177.1 127.1 236.1

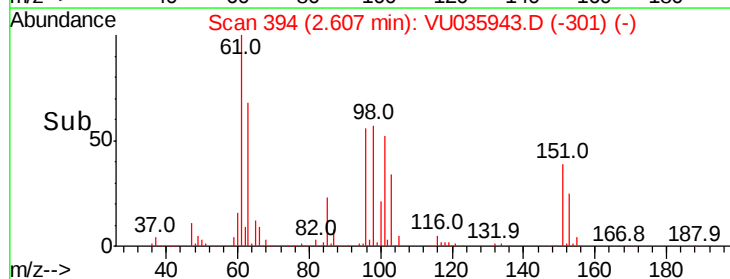
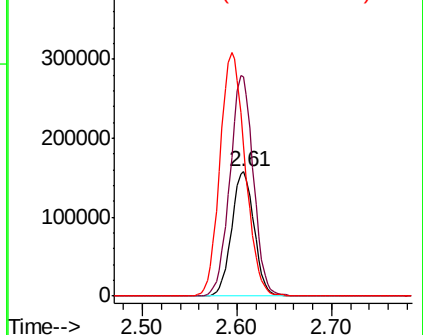
63 120.9 86.0 159.8

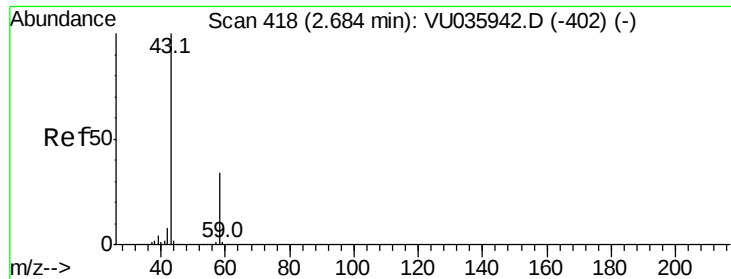


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.659 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

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ClientSampleId :

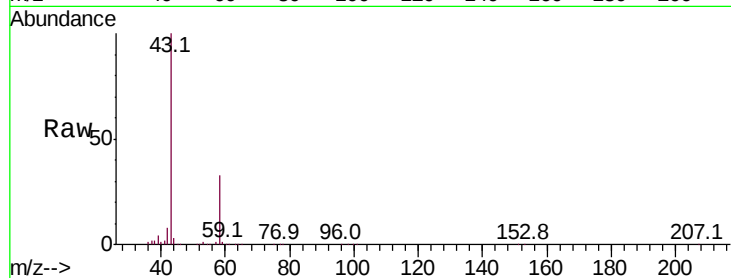
VSTD01001

Tot Ion: 43 Resp: 543875

Ion Ratio Lower Upper

43 100

58 33.8 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035942.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035942.D (-402) (-)

2.68

200000

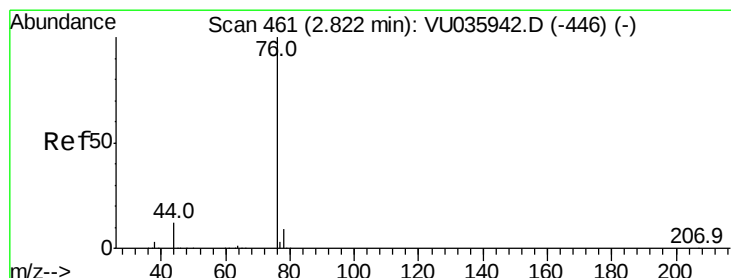
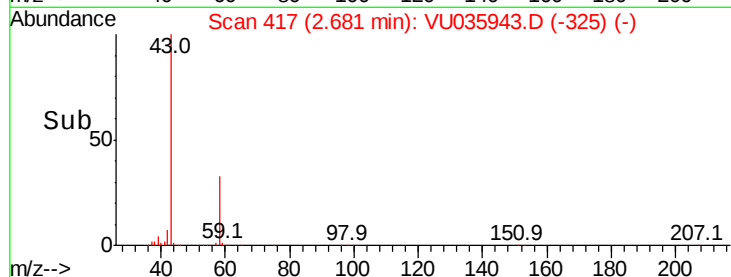
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 9.058 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035943.D

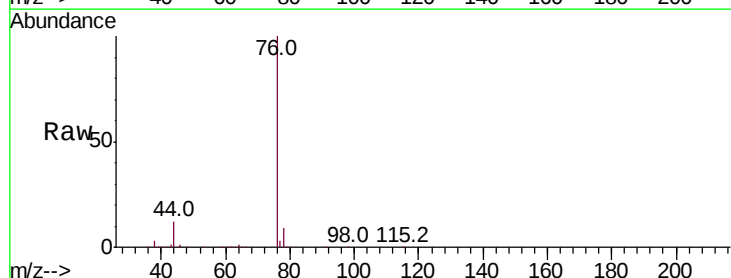
Acq: 03 Dec 2019 12:08

Tgt Ion: 76 Resp: 885374

Ion Ratio Lower Upper

76 100

78 8.8 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU035942.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU035942.D (-446) (-)

2.82

600000

500000

400000

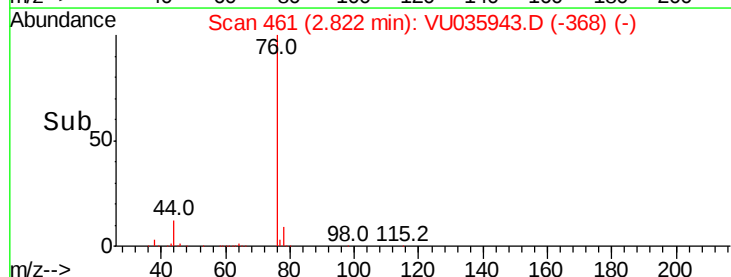
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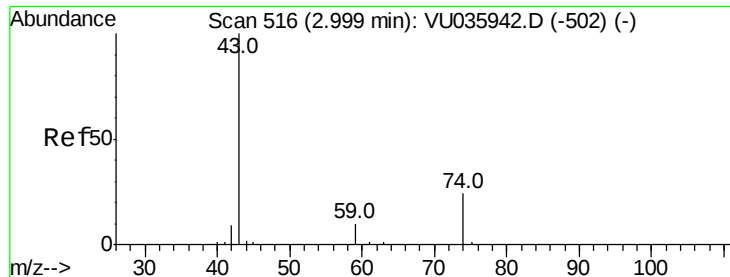
200000

100000

0

Time-->





#15

Methvl Acetate

Concen: 8.834 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

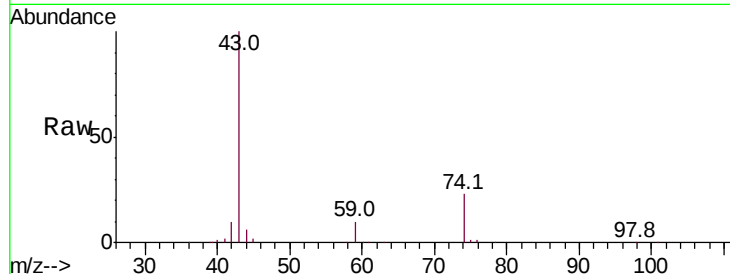
VSTD01001

Tot Ion: 43 Resp: 116166

Ion Ratio Lower Upper

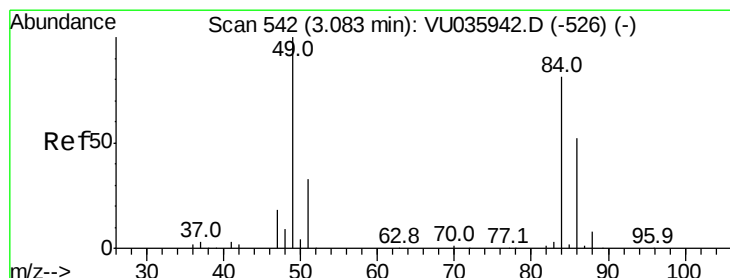
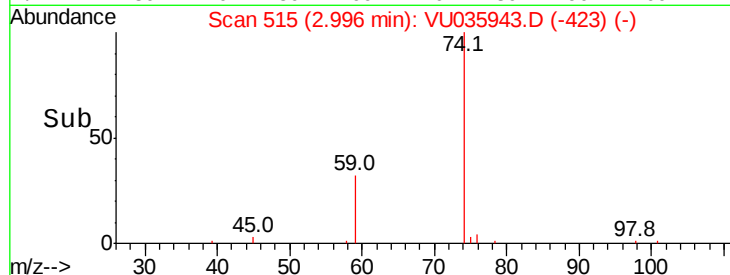
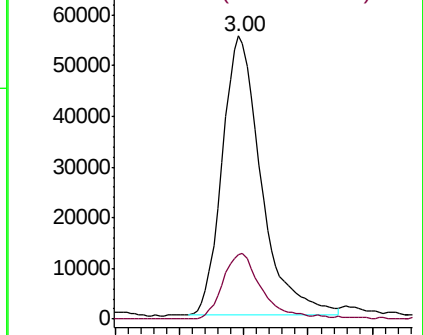
43 100

74 23.5 20.0 30.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 8.487 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

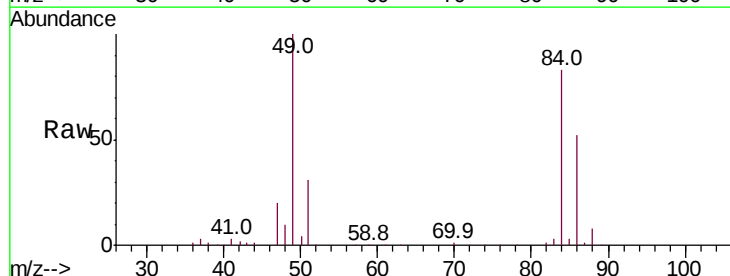
Tgt Ion: 84 Resp: 305643

Ion Ratio Lower Upper

84 100

86 62.8 44.7 82.9

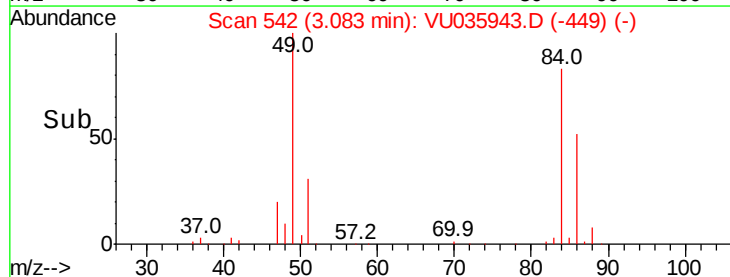
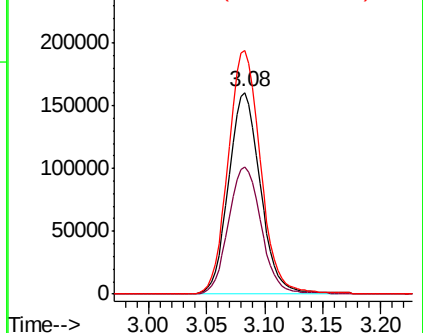
49 120.5 86.2 160.2

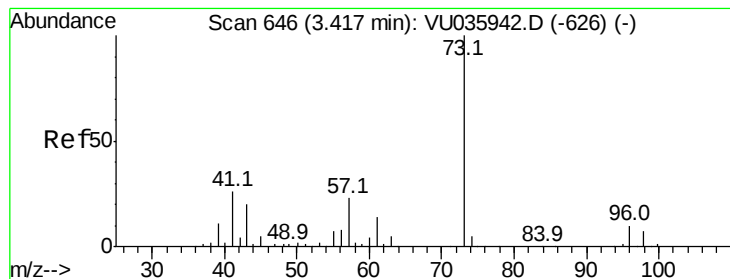


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methvl tert-butvl Ether

Concen: 9.027 ug/L

RT: 3.42 min Scan# 646

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

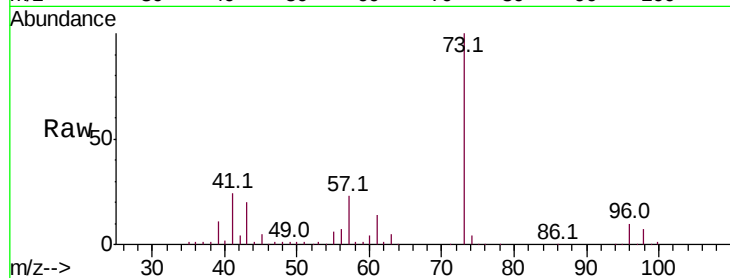
Tot Ion: 73 Resp: 630003

Ion Ratio Lower Upper

73 100

43 19.6 15.9 23.9

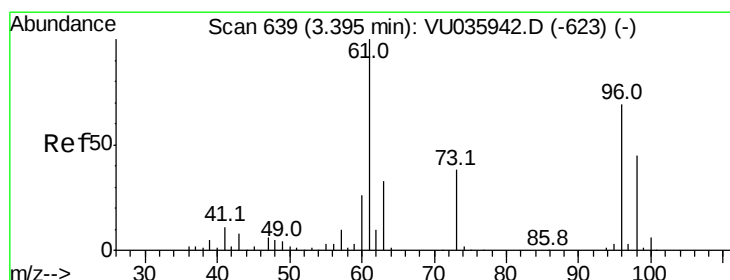
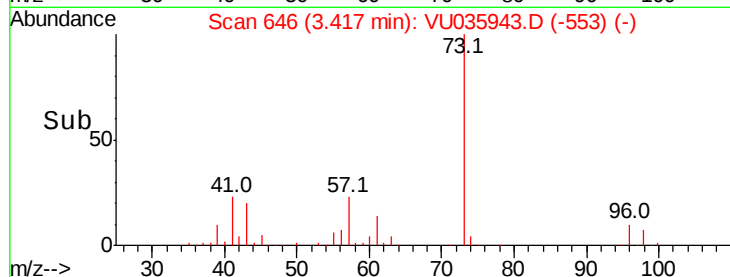
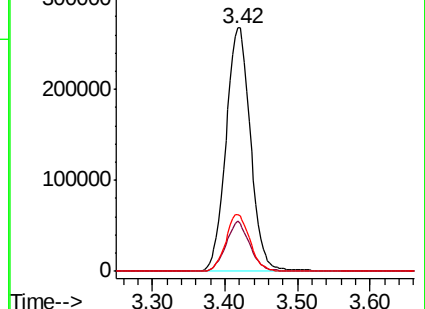
57 22.9 18.8 28.2



Abundance Ion 73.10 (72.80 to 73.80): VU035942.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU035942.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU035942.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 8.710 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

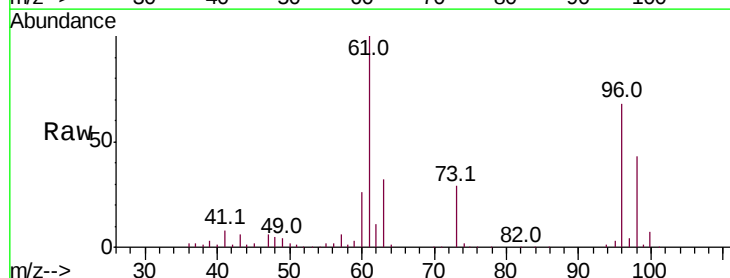
Tgt Ion: 96 Resp: 268773

Ion Ratio Lower Upper

96 100

61 146.2 101.2 187.8

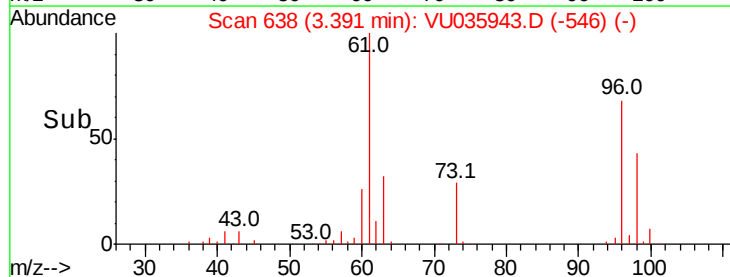
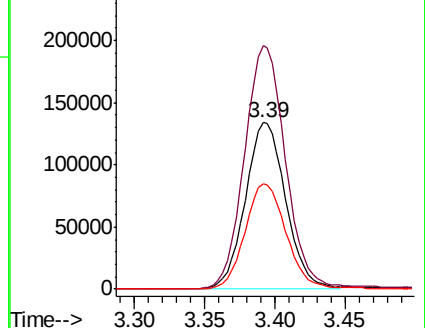
98 63.5 45.0 83.6

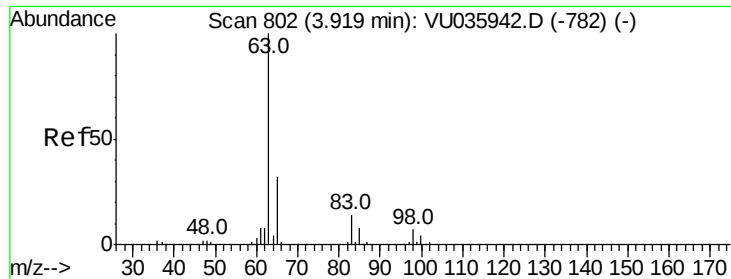


Abundance Ion 96.00 (95.70 to 96.70): VU035942.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU035942.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU035942.D (-623) (-)

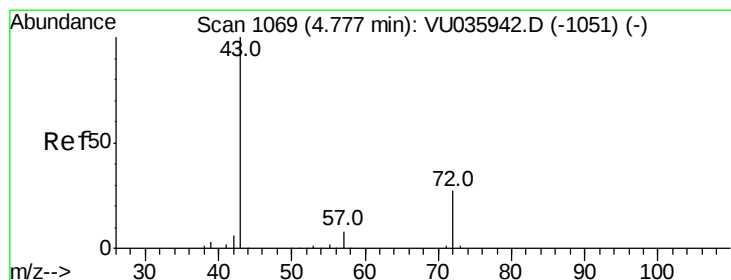
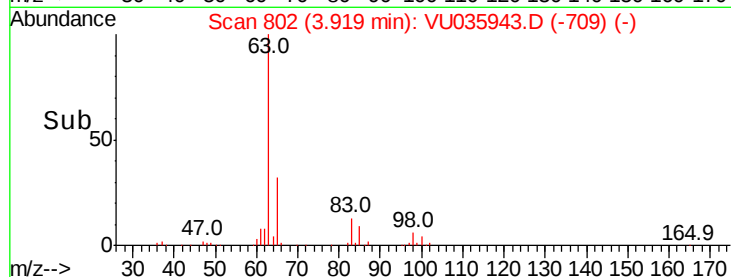
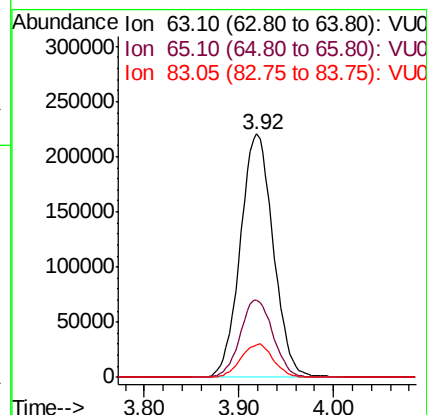
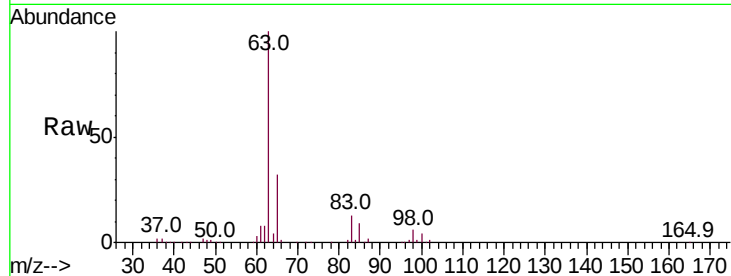




#19
 1,1-Dichloroethane
 Concen: 9.232 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

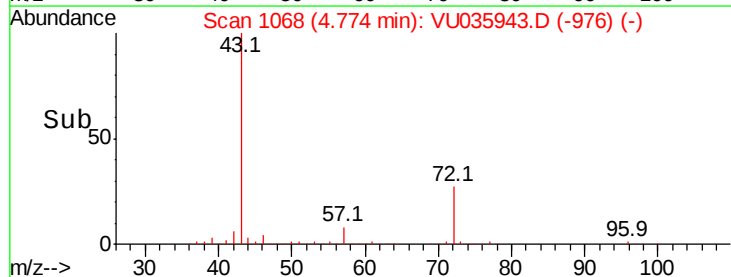
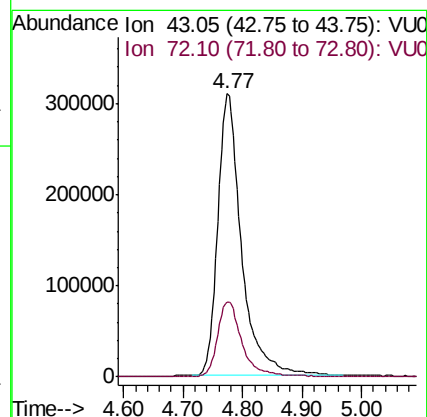
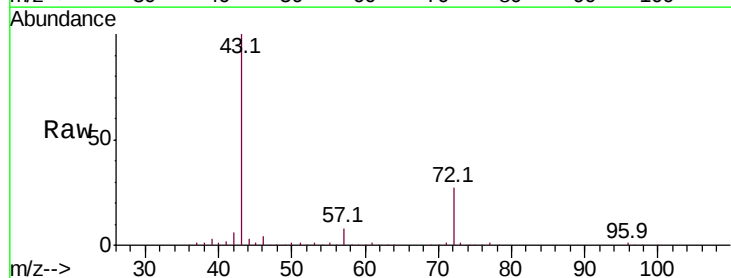
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD01001

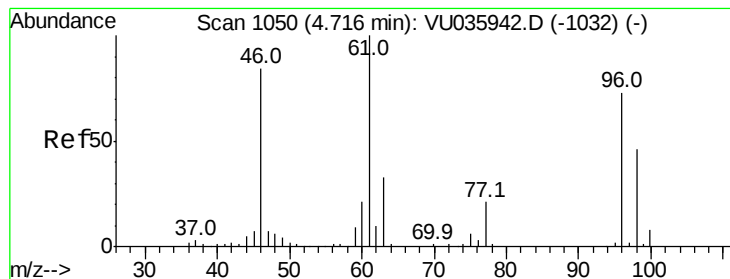
Tot Ion: 63 Resp: 533332
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.4 41.6
 83 13.4 9.8 18.2



#21
 2-Butanone
 Concen: 100.970 ug/L
 RT: 4.77 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

Tgt Ion: 43 Resp: 854934
 Ion Ratio Lower Upper
 43 100
 72 28.4 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 8.843 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

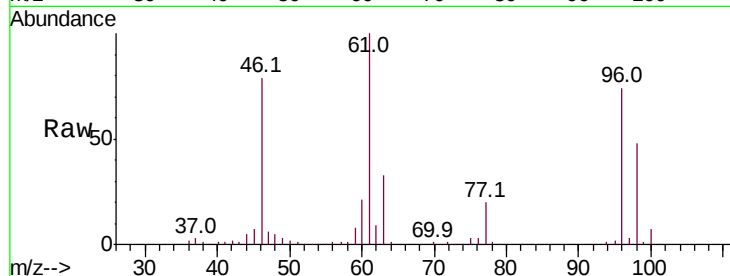
Tot Ion: 96 Resp: 298542

Ion Ratio Lower Upper

96 100

61 134.6 95.7 177.7

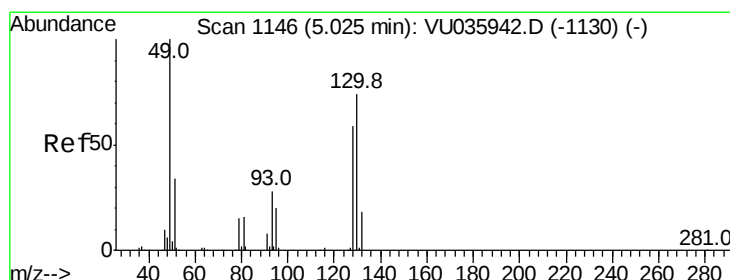
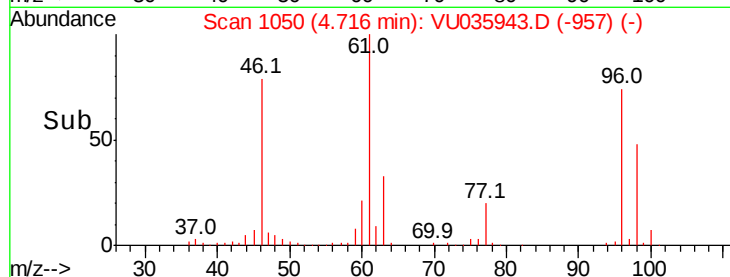
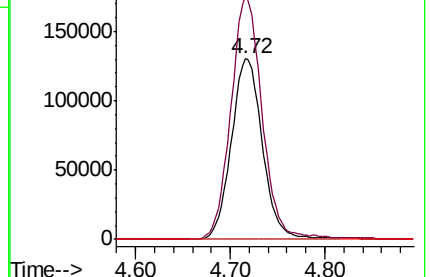
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035943.D (-1053) (-)

Ion 61.05 (60.75 to 61.75): VU035943.D (-1053) (-)

Ion 68.15 (67.85 to 68.85): VU035943.D (-1053) (-)



#23

Bromochloromethane

Concen: 8.239 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Tgt Ion: 128 Resp: 132120

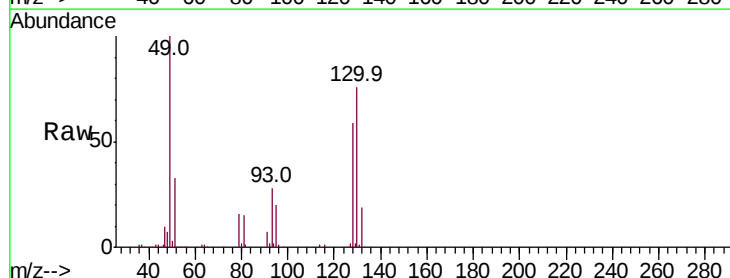
Ion Ratio Lower Upper

128 100

49 170.5 118.3 219.7

130 129.2 86.9 161.3

51 56.9 45.6 68.4

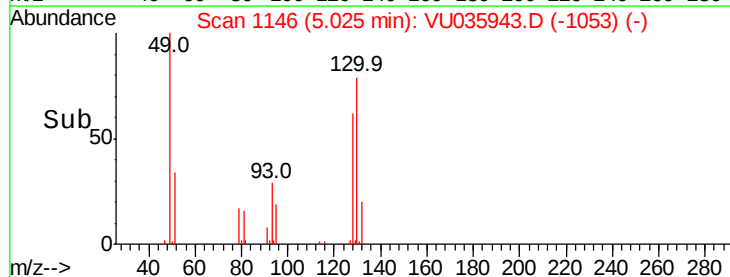
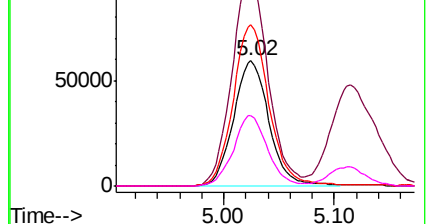


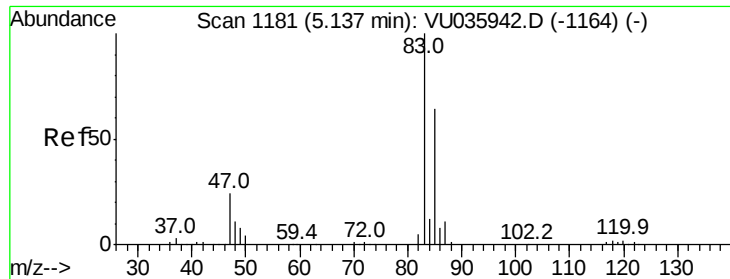
Abundance Ion 127.90 (127.60 to 128.60): VU035943.D (-1053) (-)

Ion 49.10 (48.80 to 49.80): VU035943.D (-1053) (-)

Ion 129.95 (129.65 to 130.65): VU035943.D (-1053) (-)

Ion 51.05 (50.75 to 51.75): VU035943.D (-1053) (-)

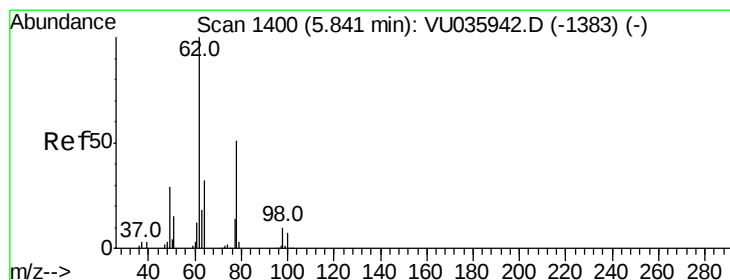
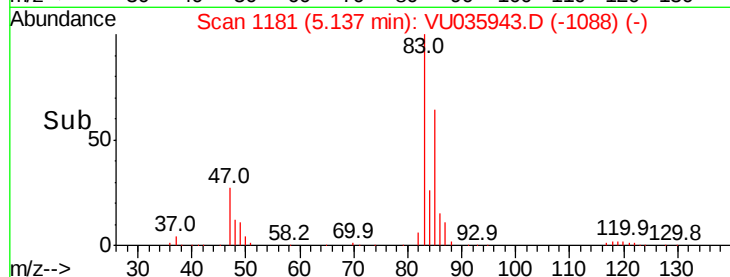
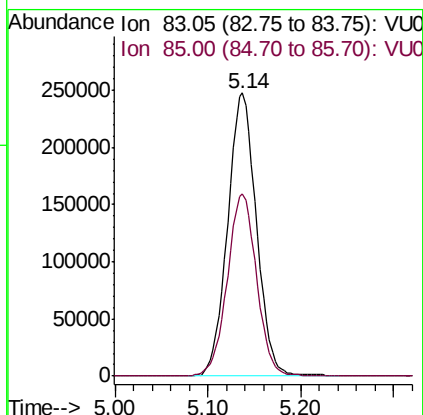
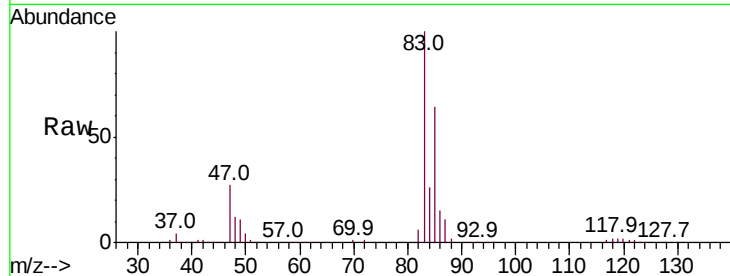




#25
Chloroform
Concen: 8.500 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

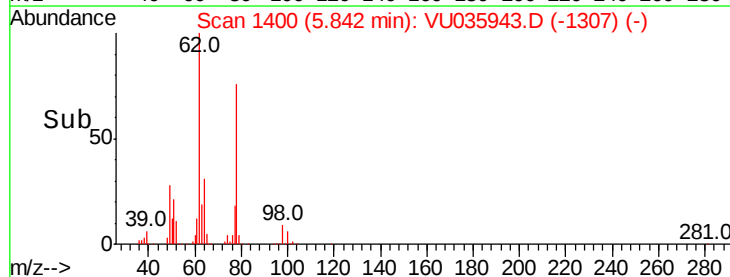
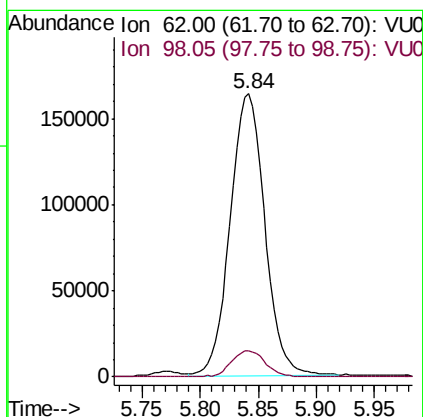
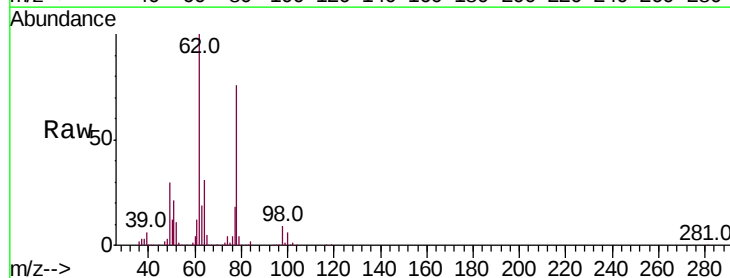
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

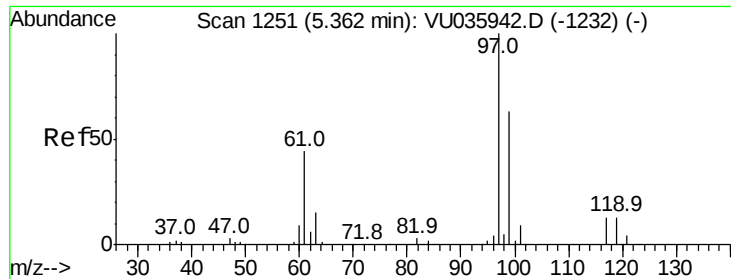
Tot Ion: 83 Resp: 533727
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 9.620 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

Tgt Ion: 62 Resp: 340076
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4



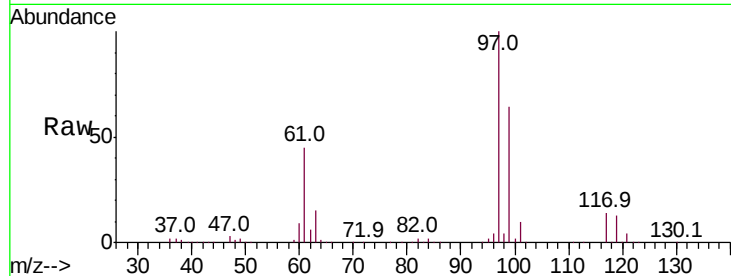


#29
 1,1,1-Trichloroethane
 Concen: 9.678 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

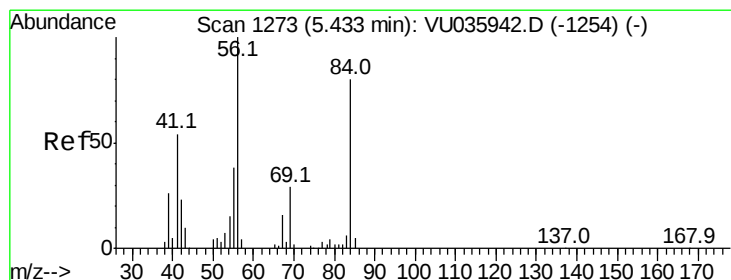
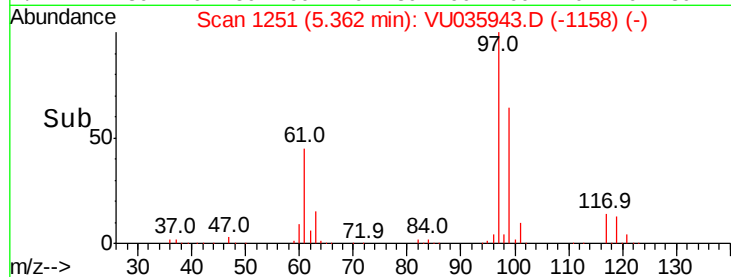
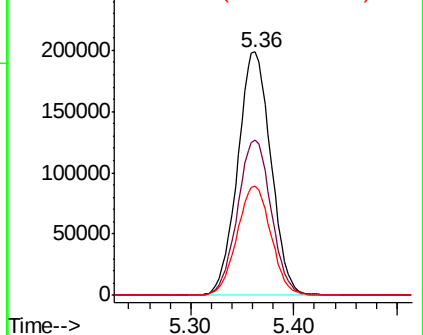
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tot Ion: 97 Resp: 445869

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	45.7	37.6	56.4



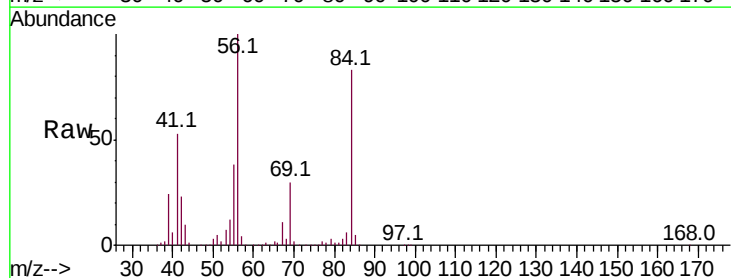
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0



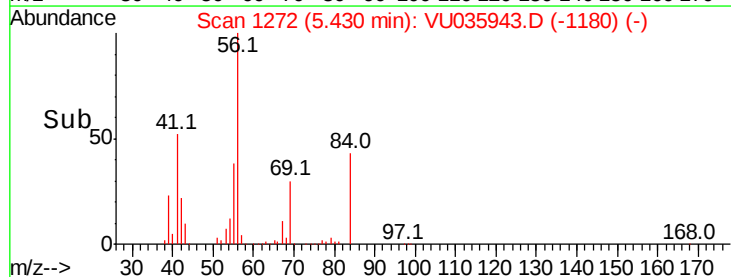
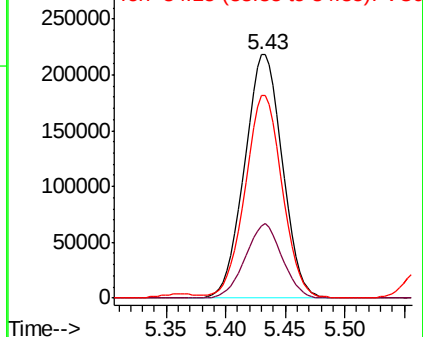
#30
 Cyclohexane
 Concen: 10.441 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

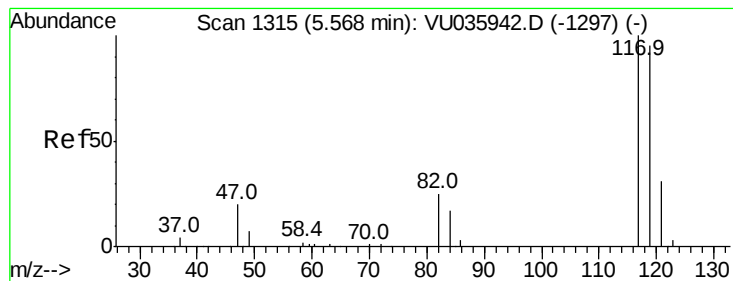
Tgt Ion: 56 Resp: 481088

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.0	36.0
84	82.2	66.9	100.3



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 9.588 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

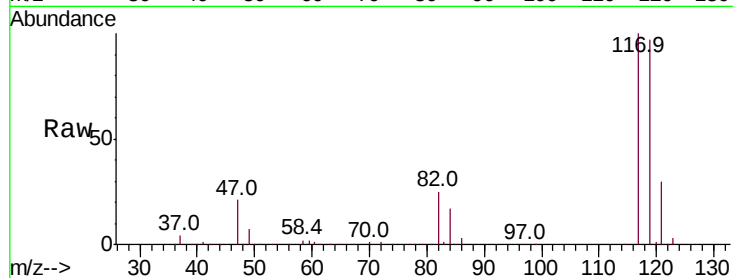
VSTD01001

Tot Ion:117 Resp: 395688

Ion Ratio Lower Upper

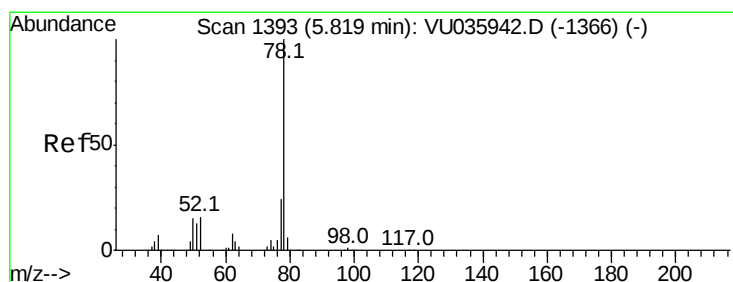
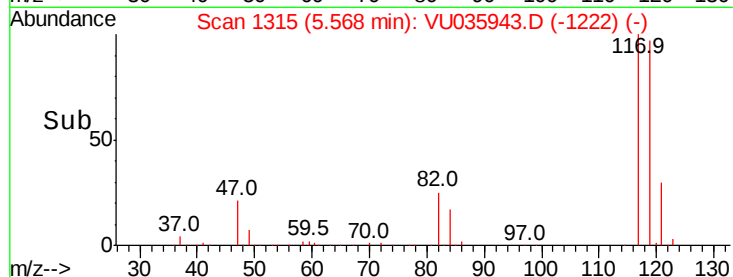
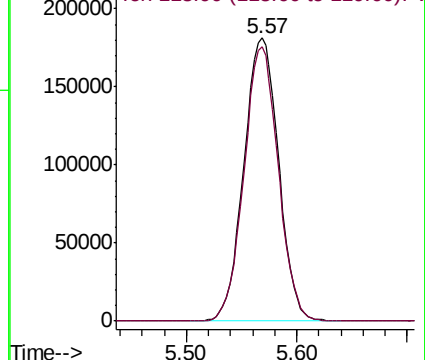
117 100

119 95.7 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.773 ug/L

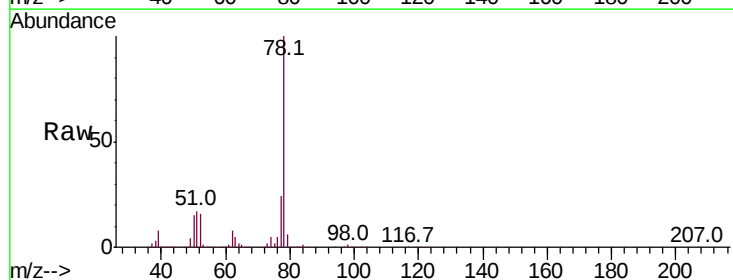
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

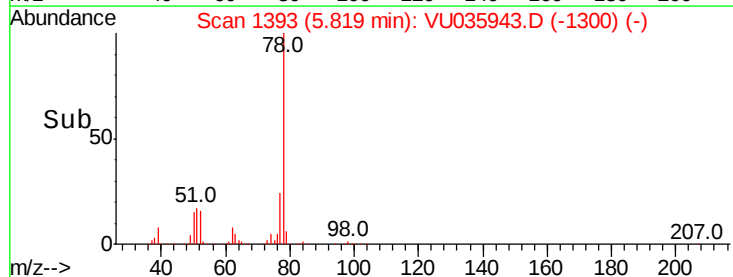
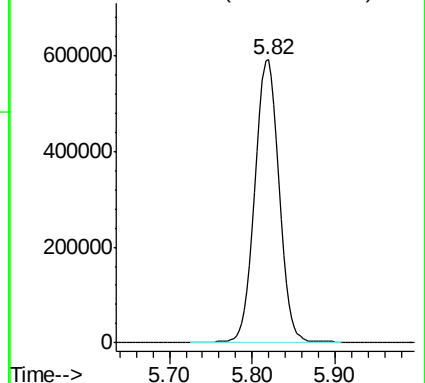
Lab File: VU035943.D

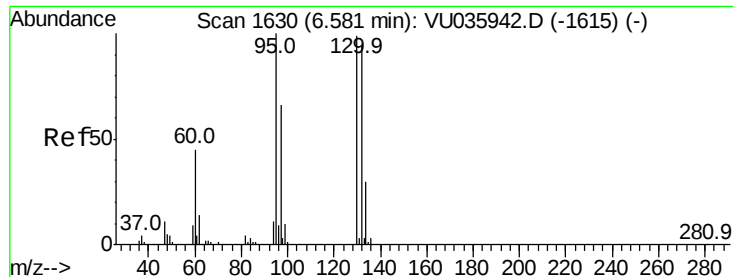
Acq: 03 Dec 2019 12:08

Tgt Ion: 78 Resp: 1206896



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.427 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tot Ion: 95 Resp: 295312

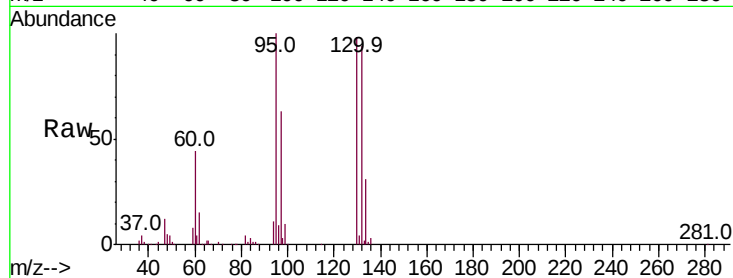
Ion Ratio Lower Upper

95 100

97 62.9 46.3 85.9

132 93.9 65.7 122.1

130 97.8 69.2 128.6

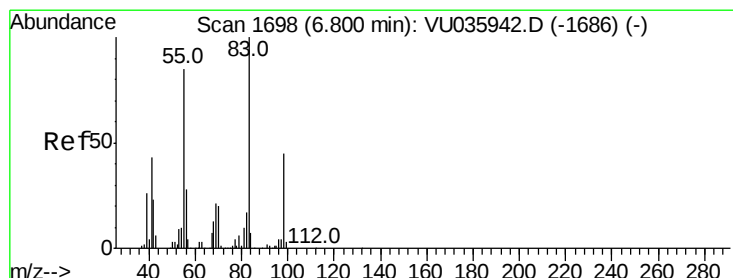
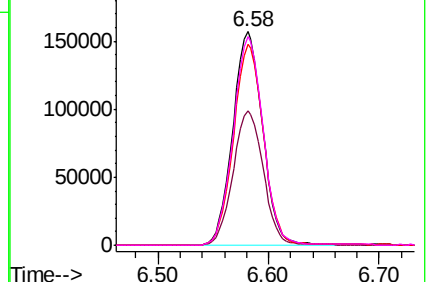
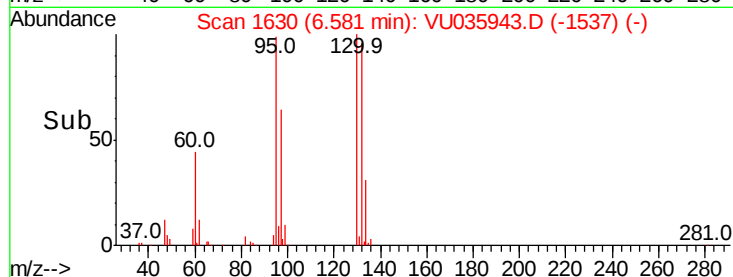


Abundance Ion 95.00 (94.70 to 95.70): VU035943.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035943.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035943.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035943.D (-1615) (-)



#35

Methylcyclohexane

Concen: 10.171 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

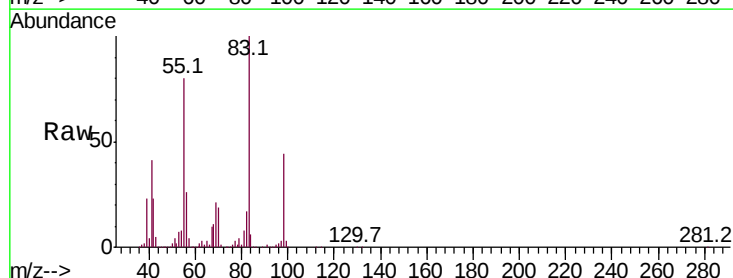
Tgt Ion: 83 Resp: 485388

Ion Ratio Lower Upper

83 100

55 81.9 67.4 101.0

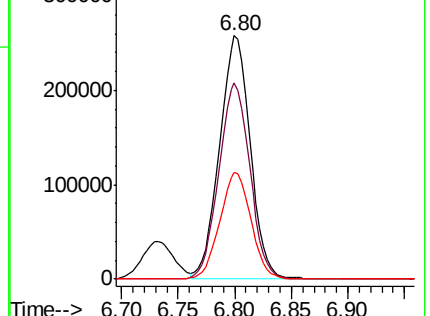
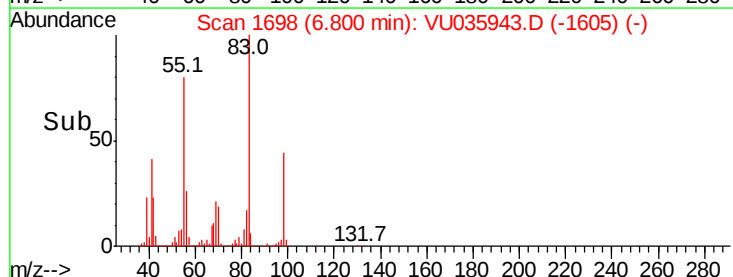
98 44.5 34.6 52.0

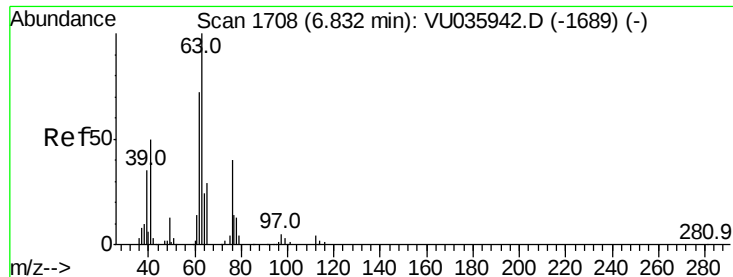


Abundance Ion 83.15 (82.85 to 83.85): VU035943.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035943.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035943.D (-1686) (-)





#37

1,2-Dichloropropane

Concen: 9.700 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

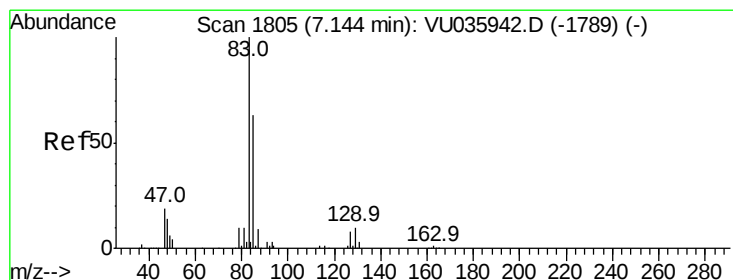
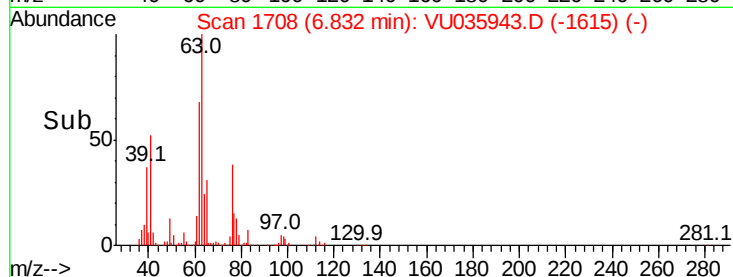
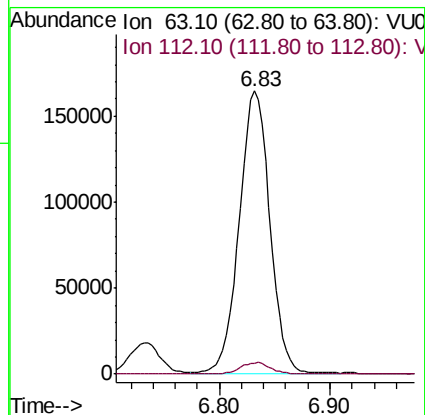
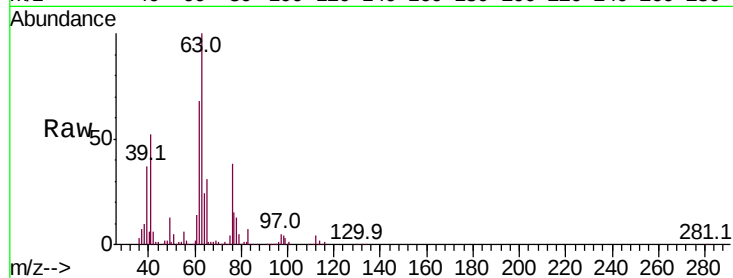
VSTD01001

Tot Ion: 63 Resp: 315853

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 9.661 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

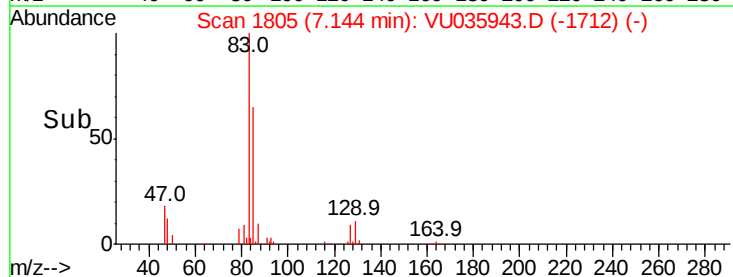
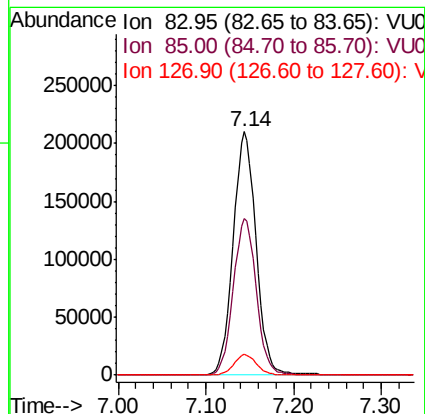
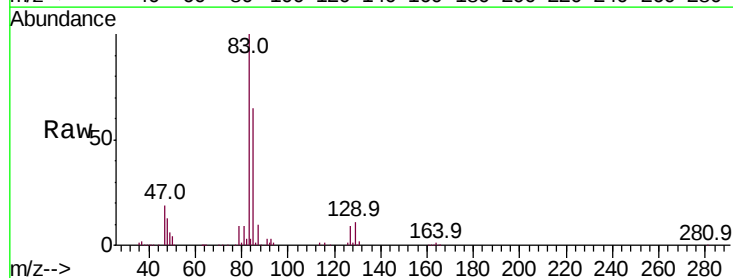
Tgt Ion: 83 Resp: 381238

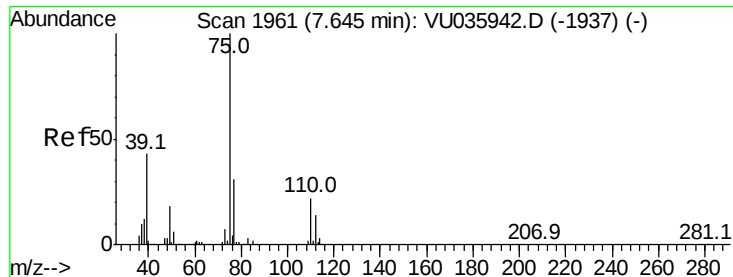
Ion Ratio Lower Upper

83 100

85 64.6 44.0 81.8

127 8.5 6.5 9.7

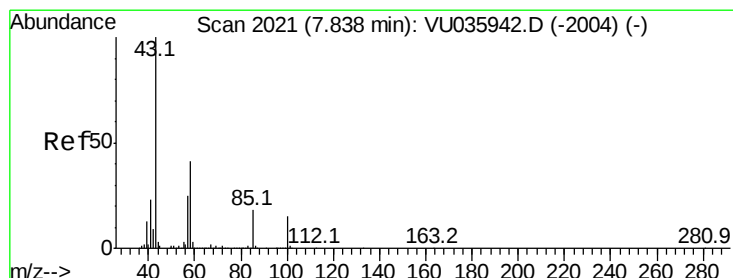
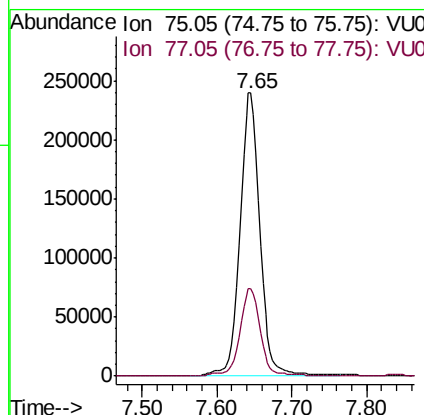
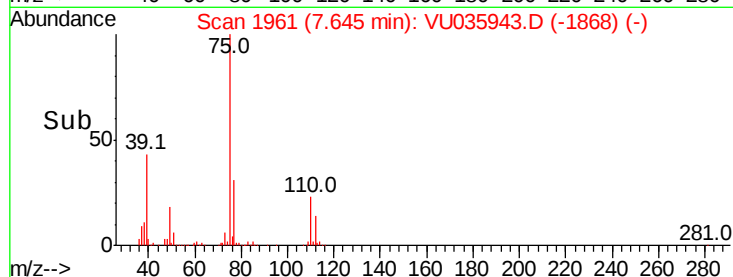
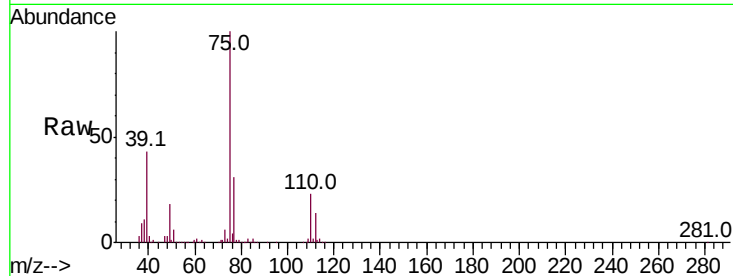




#39
 cis-1,3-Dichloropropene
 Concen: 9.673 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

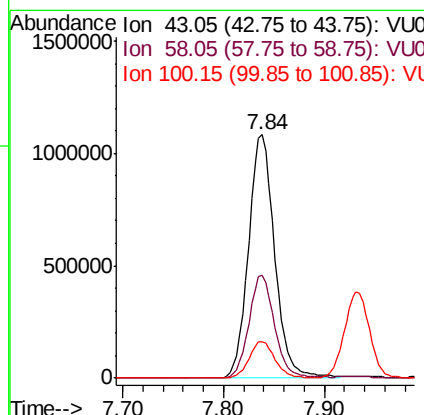
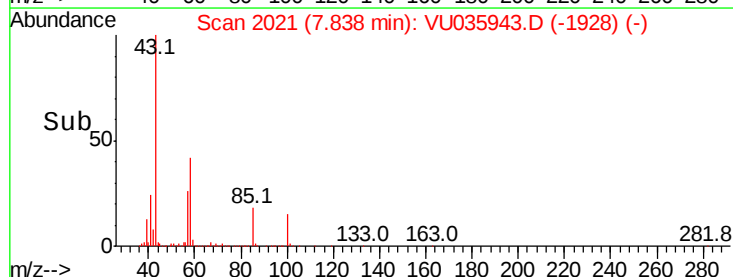
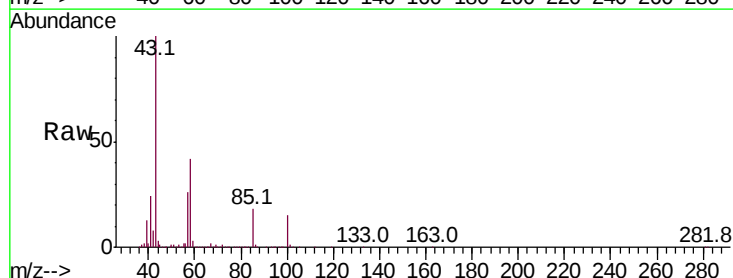
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

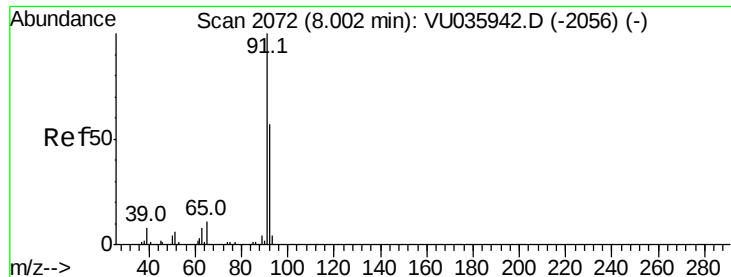
Tot Ion: 75 Resp: 445782
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 102.914 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

Tgt Ion: 43 Resp: 1936599
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.3 48.5
 100 14.9 11.7 17.5





#42

Toluene

Concen: 9.980 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

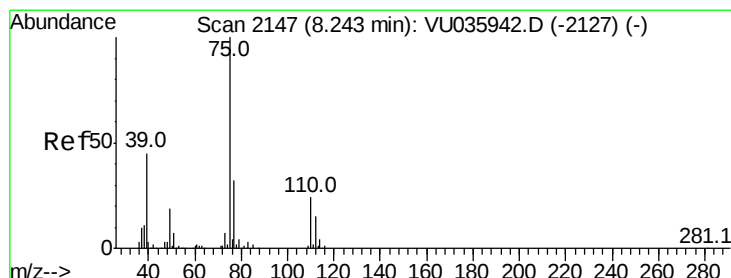
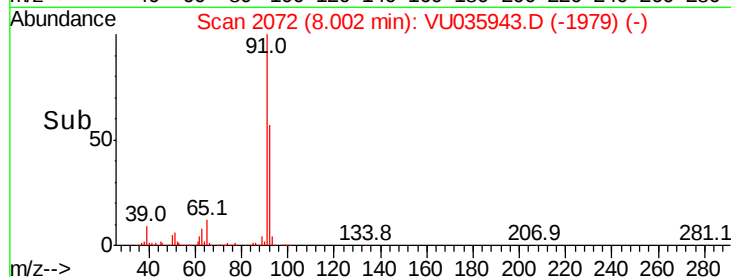
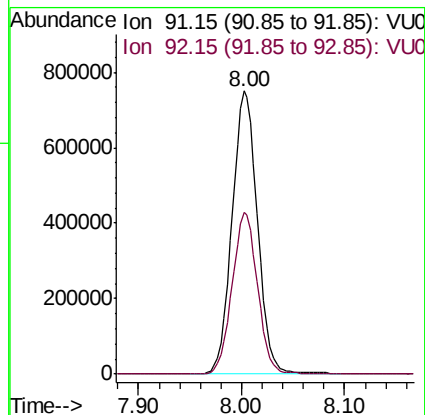
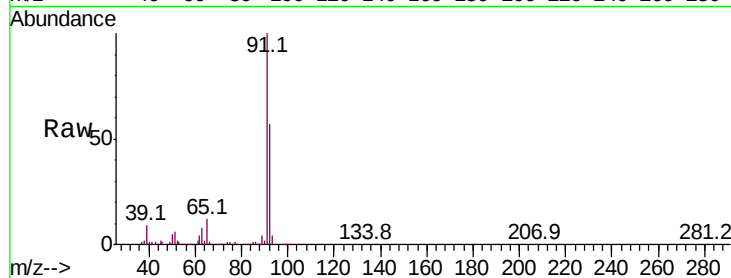
VSTD01001

Tot Ion: 91 Resp: 1291166

Ion Ratio Lower Upper

91 100

92 57.2 39.8 74.0



#44

trans-1,3-Dichloropropene

Concen: 10.043 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035943.D

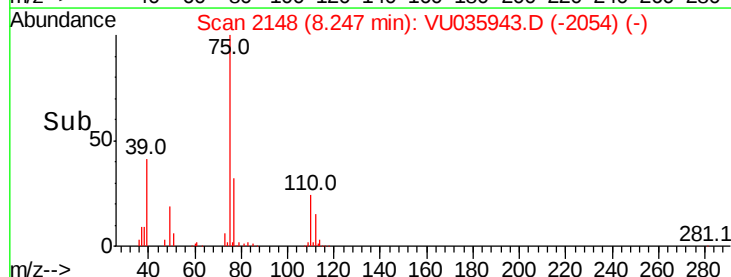
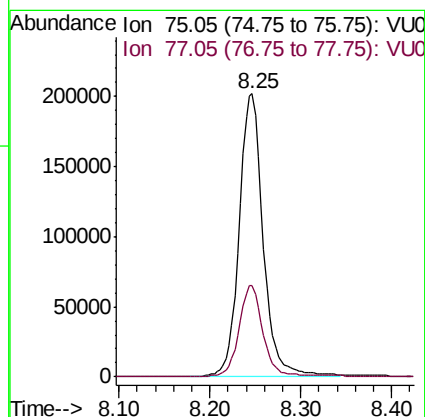
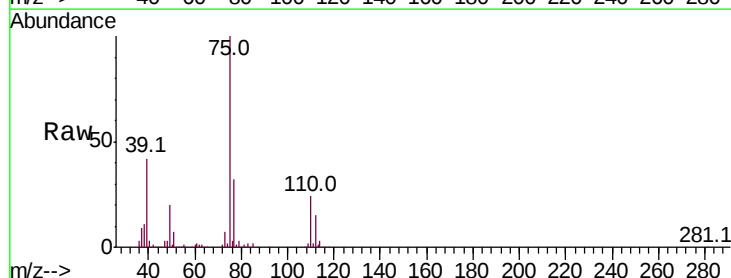
Acq: 03 Dec 2019 12:08

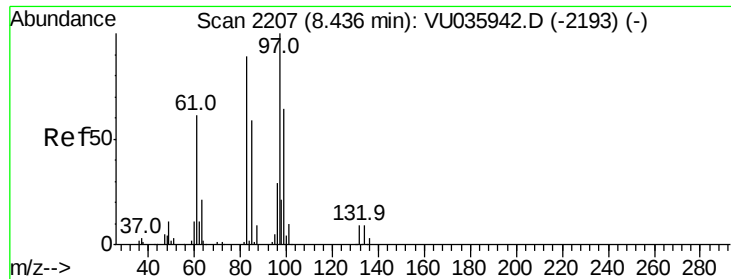
Tgt Ion: 75 Resp: 371553

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 9.373 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

Tot Ion: 97 Resp: 217328

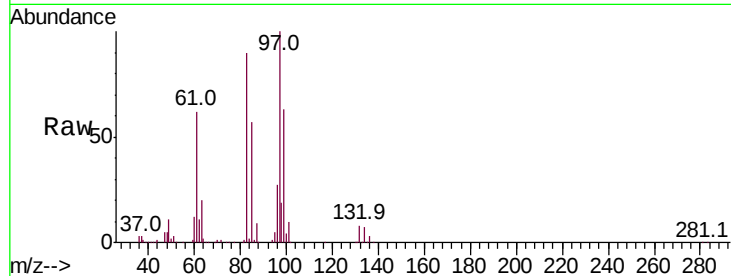
Ion Ratio Lower Upper

97 100

99 62.9 45.0 83.6

83 89.8 62.1 115.3

85 56.6 41.4 77.0



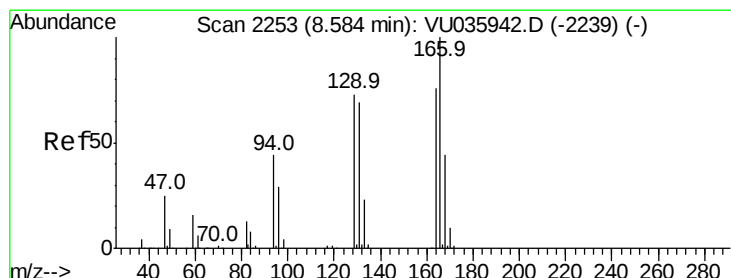
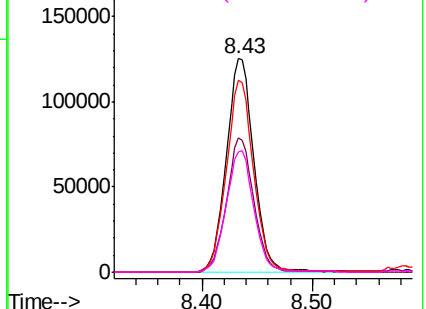
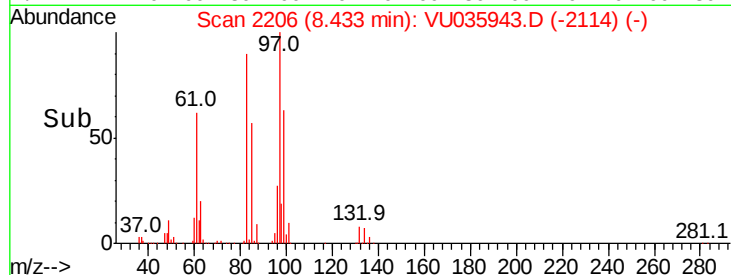
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 8.837 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Tgt Ion: 164 Resp: 238299

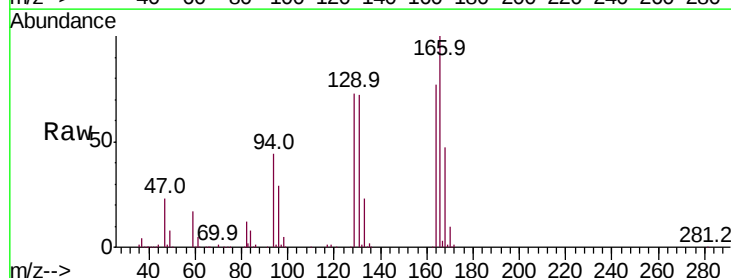
Ion Ratio Lower Upper

164 100

129 94.6 67.9 126.1

131 93.7 64.1 119.1

166 129.6 92.6 172.0



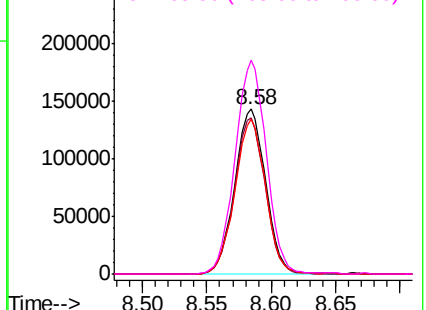
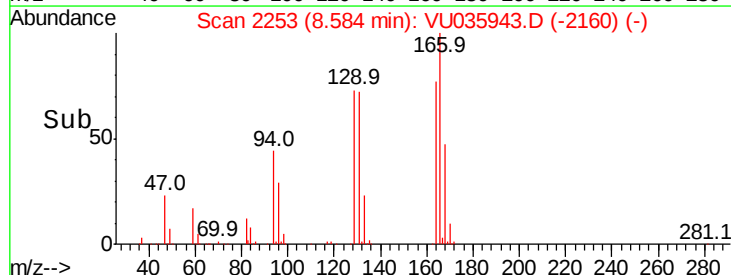
Abundance

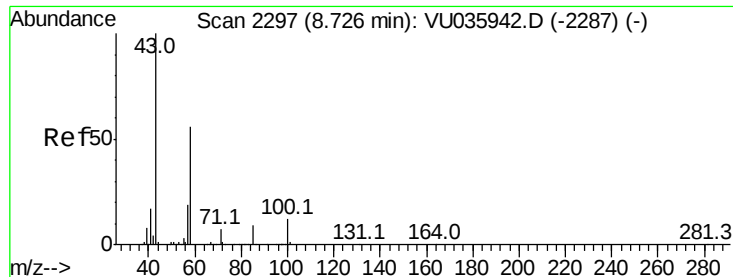
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

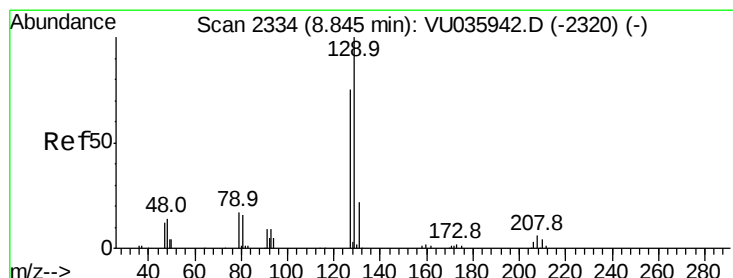
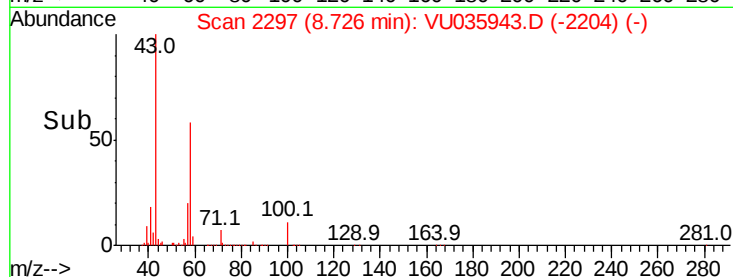
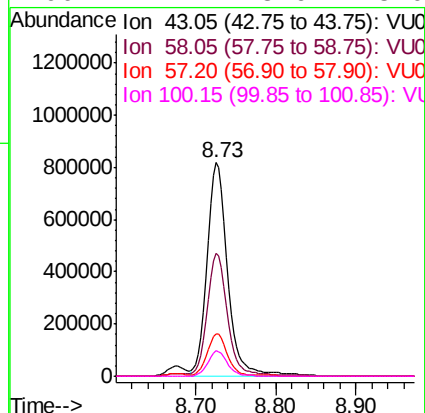
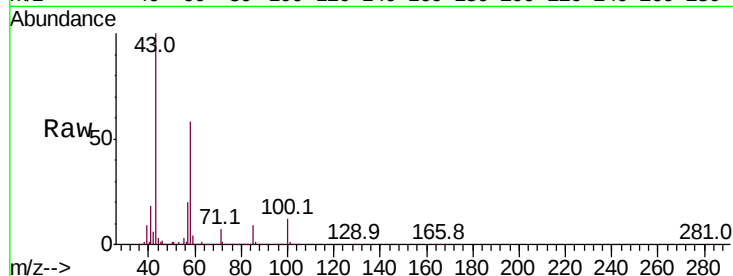




#48
2-Hexanone
Concen: 109.166 ug/L
RT: 8.73 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

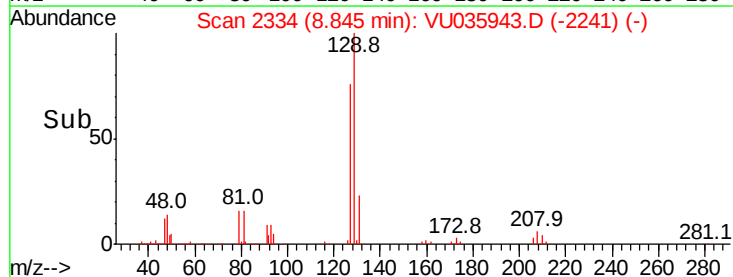
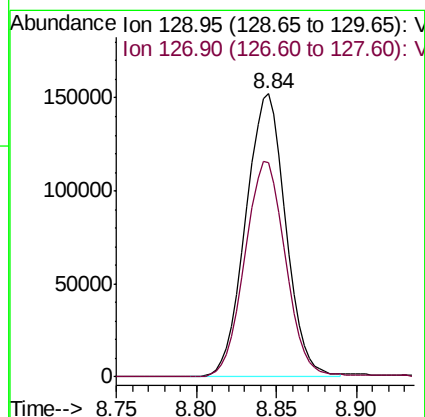
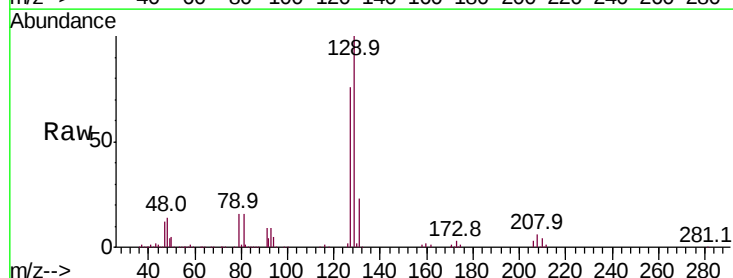
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

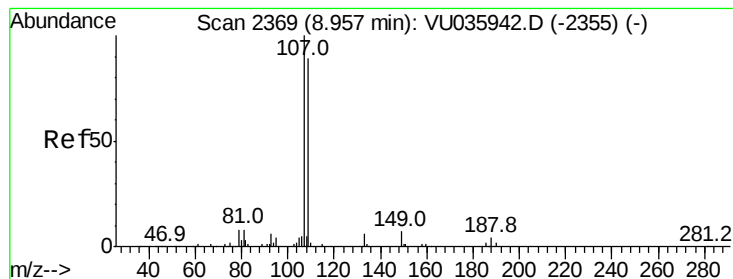
Tot Ion: 43 Resp: 1474636
Ion Ratio Lower Upper
43 100
58 57.4 45.4 68.2
57 20.1 14.9 22.3
100 11.7 8.6 13.0



#49
Dibromochloromethane
Concen: 9.183 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

Tgt Ion: 129 Resp: 260227
Ion Ratio Lower Upper
129 100
127 75.6 52.8 98.0





#50

1,2-Dibromoethane

Concen: 9.302 ug/L

RT: 8.96 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

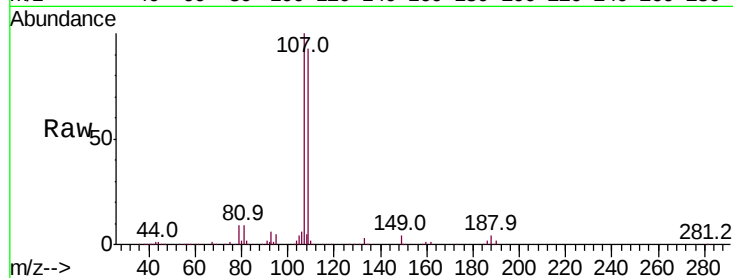
Tot Ion:107 Resp: 205096

Ion Ratio Lower Upper

107 100

109 92.6 62.5 116.1

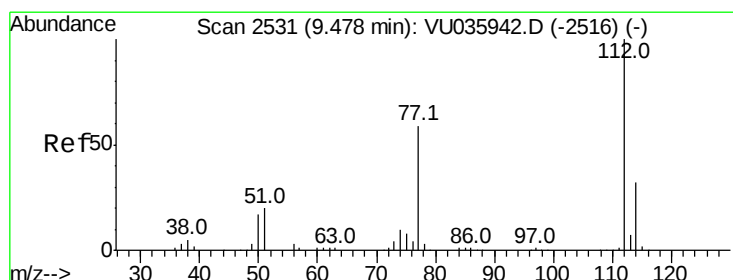
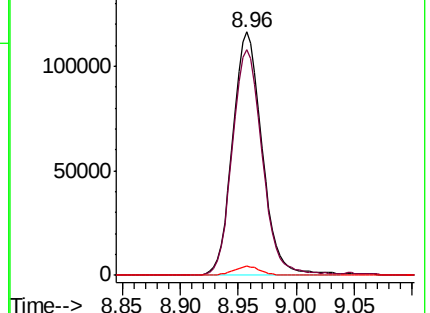
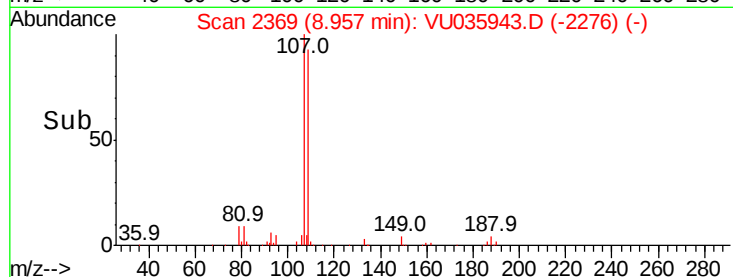
188 3.6 3.0 4.6



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 9.229 ug/L

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

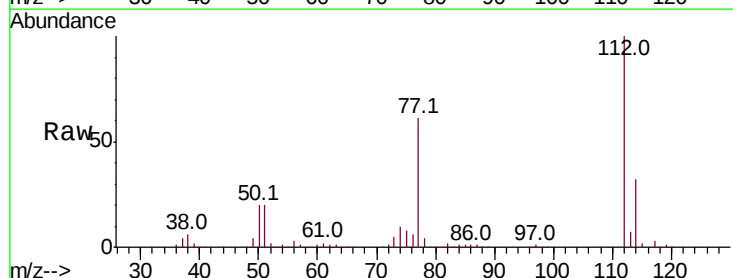
Tgt Ion:112 Resp: 773502

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.7

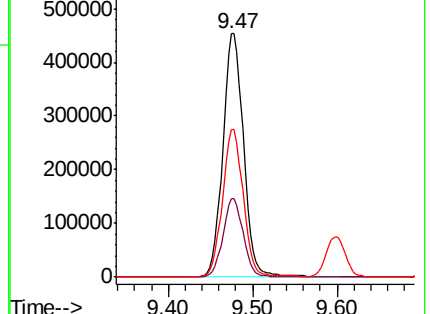
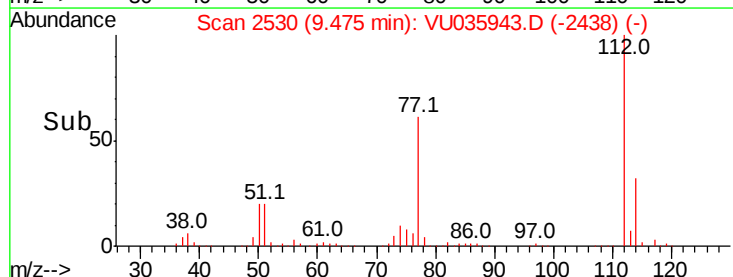
77 60.7 47.7 71.5

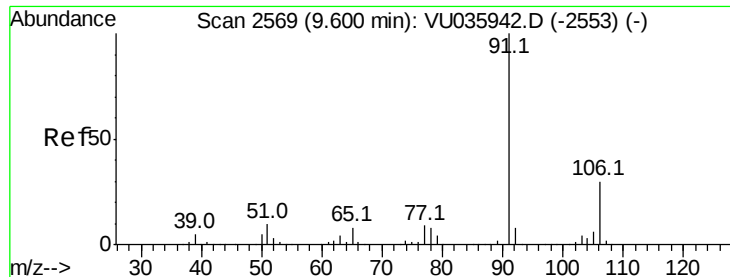


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 9.911 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

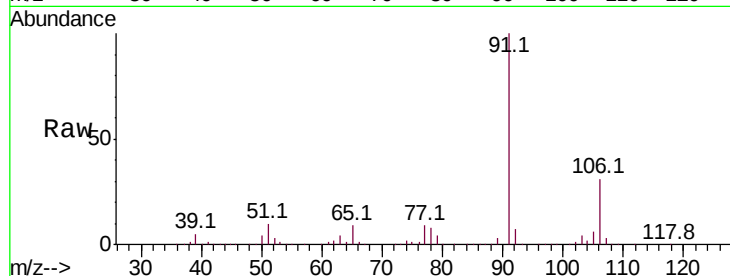
VSTD01001

Tot Ion: 91 Resp: 1337103

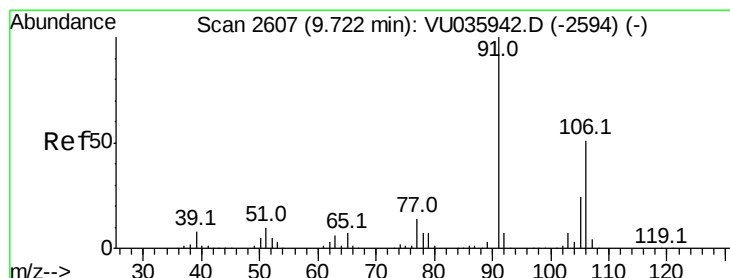
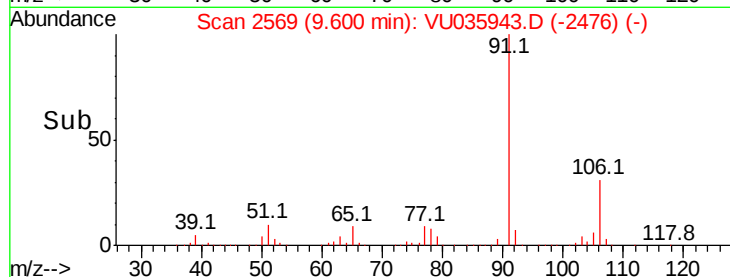
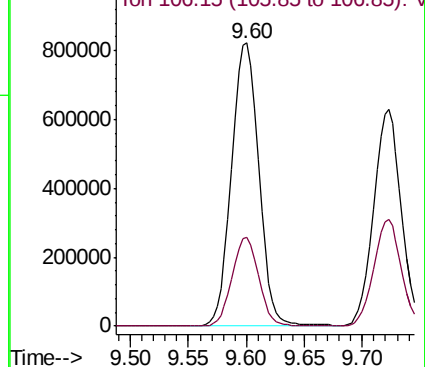
Ion Ratio Lower Upper

91 100

106 31.3 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU035942.D (-2553) (-)



#53

m,p-Xylene

Concen: 10.092 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035943.D

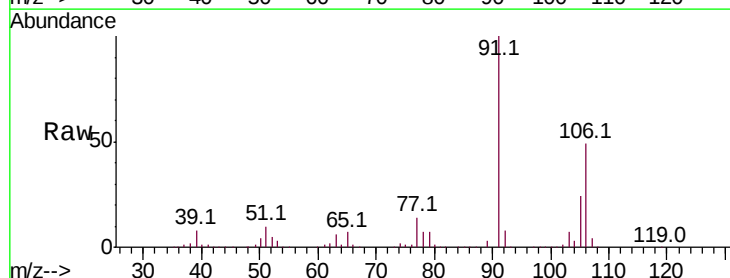
Acq: 03 Dec 2019 12:08

Tgt Ion: 106 Resp: 516069

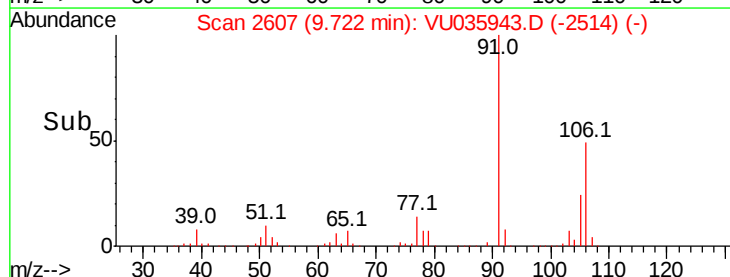
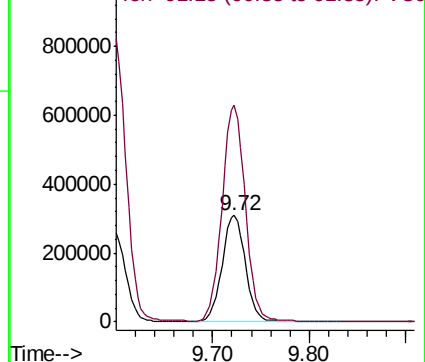
Ion Ratio Lower Upper

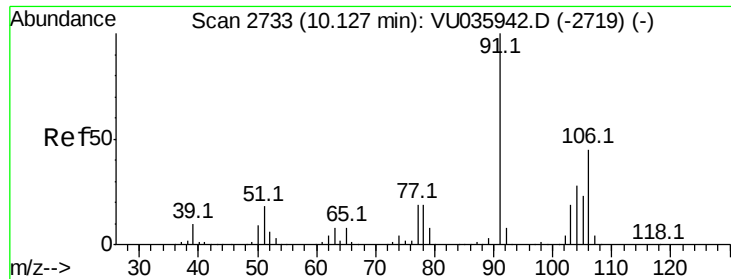
106 100

91 203.9 138.9 257.9



Abundance Ion 106.15 (105.85 to 106.85): VU035942.D (-2594) (-)

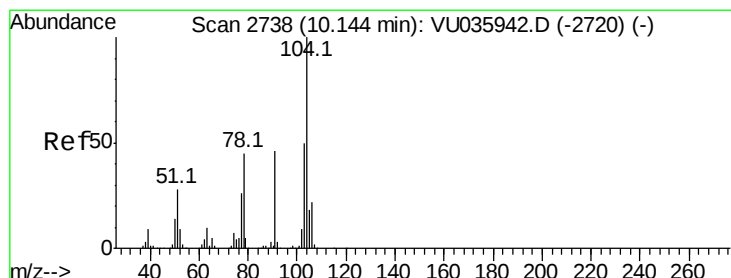
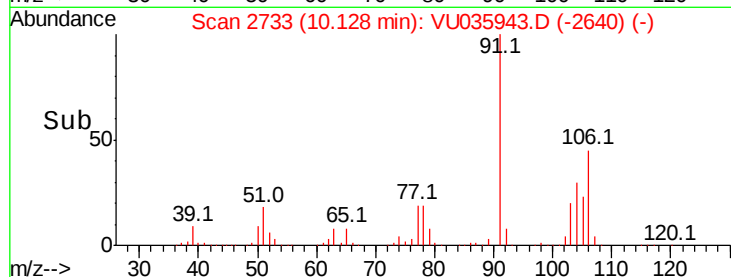
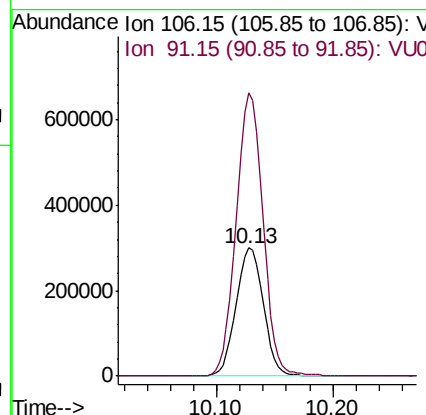
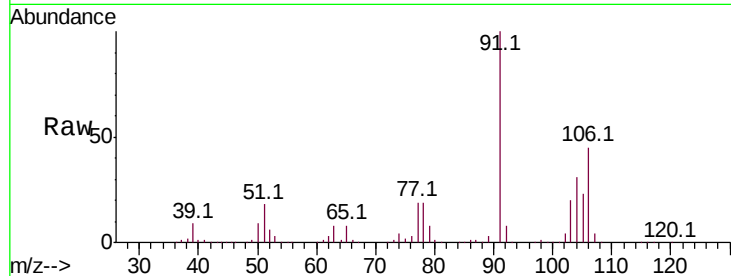




#54
o-Xylene
Concen: 9.978 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

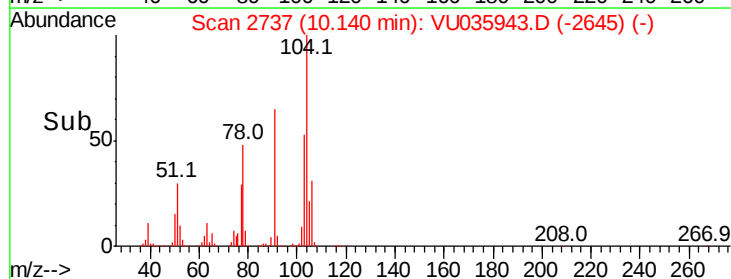
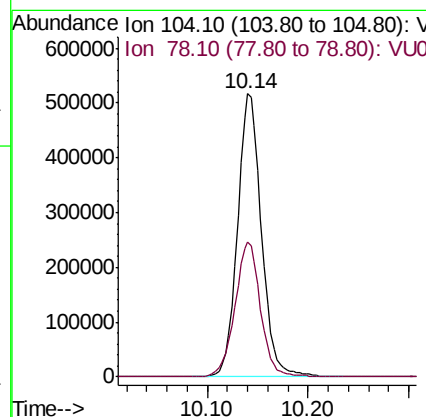
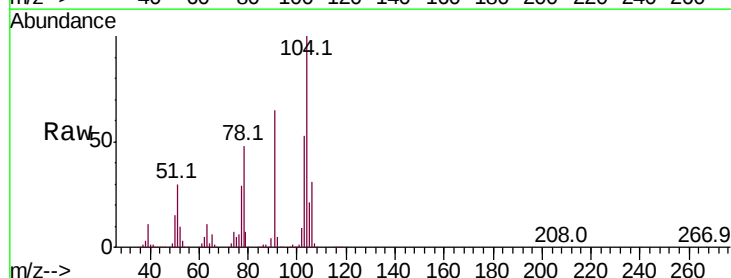
Instrument :
MSVOA_U
ClientSampleId :
VSTD01001

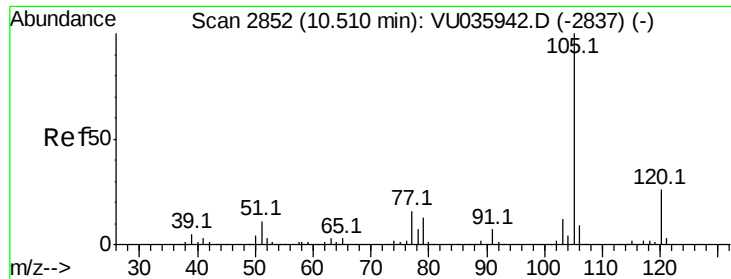
Tot Ion:106 Resp: 489050
Ion Ratio Lower Upper
106 100
91 220.9 155.3 288.3



#55
Styrene
Concen: 10.474 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. -0.00 min
Lab File: VU035943.D
Acq: 03 Dec 2019 12:08

Tgt Ion:104 Resp: 852238
Ion Ratio Lower Upper
104 100
78 47.9 31.2 58.0





#56

Isopropylbenzene

Concen: 9.972 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

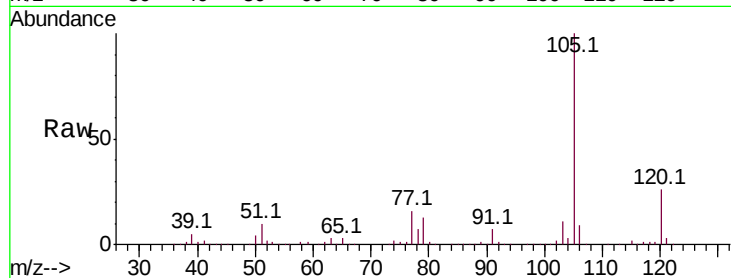
Tot Ion:105 Resp: 1285791

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

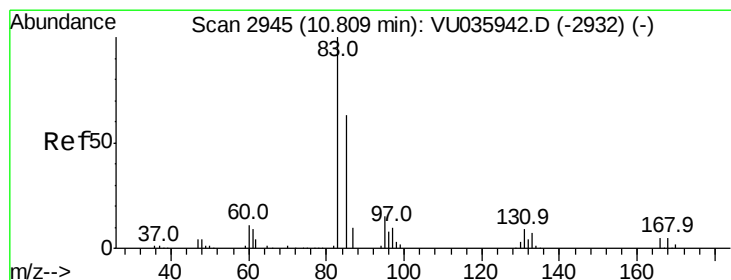
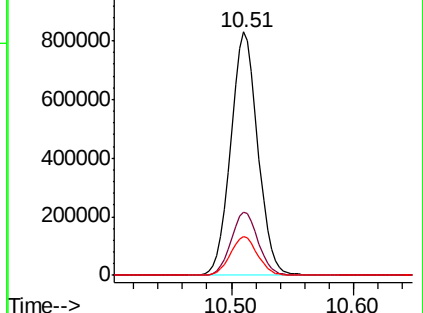
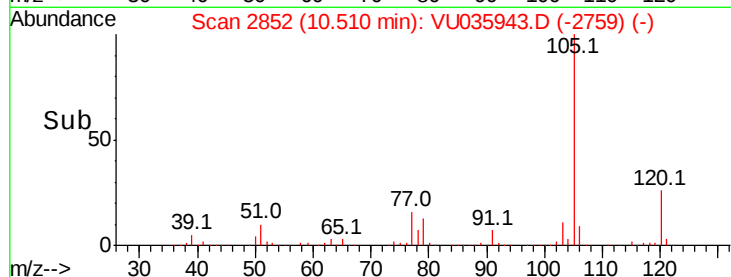
77 16.0 13.1 19.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.225 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

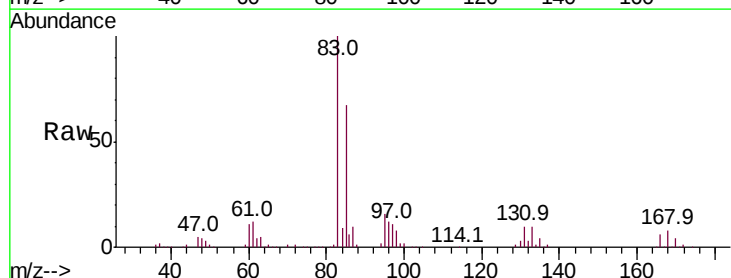
Tgt Ion: 83 Resp: 280568

Ion Ratio Lower Upper

83 100

85 66.8 44.3 82.3

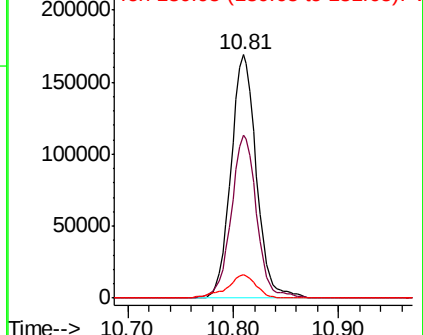
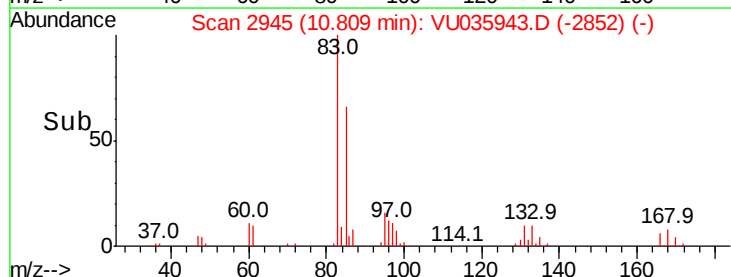
131 9.6 7.2 10.8

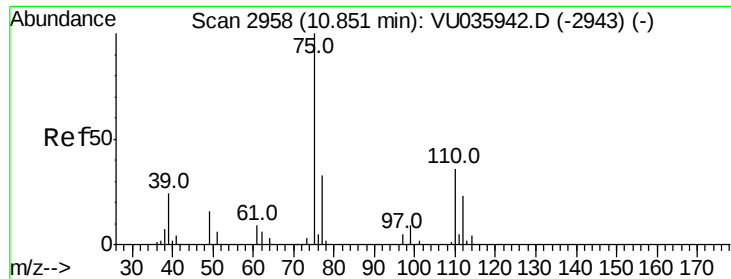


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.443 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampled :

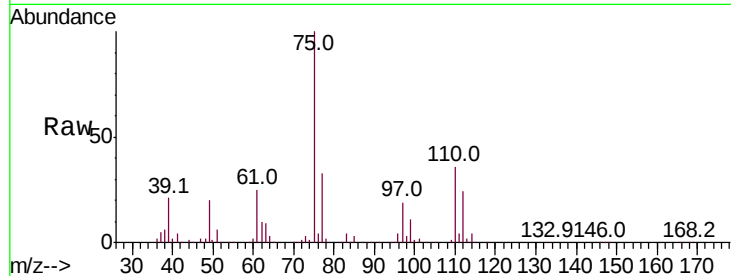
VSTD01001

Tot Ion: 75 Resp: 202381

Ion Ratio Lower Upper

75 100

77 32.5 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU035942.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU035942.D (-2943) (-)

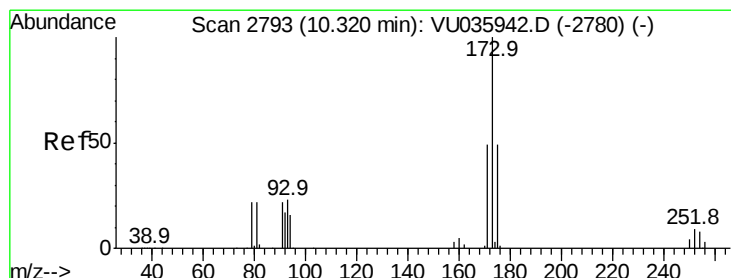
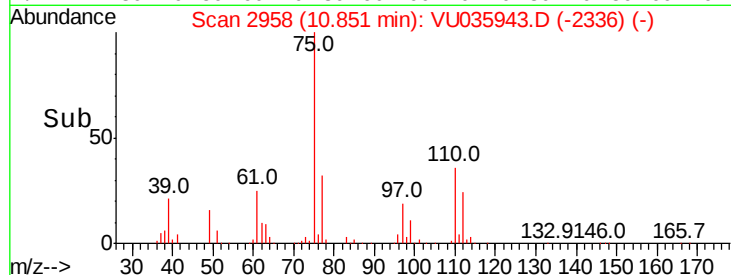
10.85

100000

50000

0

Time-->



#61

Bromoform

Concen: 9.351 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

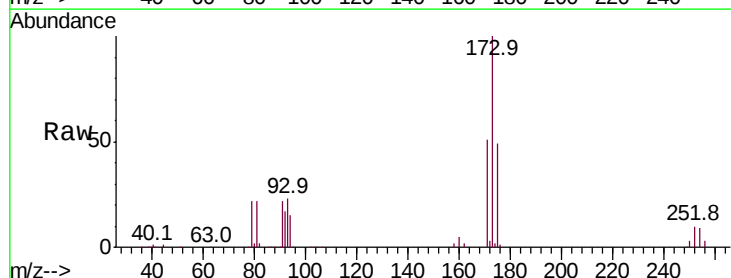
Tgt Ion: 173 Resp: 152867

Ion Ratio Lower Upper

173 100

175 48.0 39.3 58.9

254 9.0 7.3 10.9



Abundance Ion 172.90 (172.60 to 173.60): VU035942.D (-2780) (-)

Ion 174.90 (174.60 to 175.60): VU035942.D (-2780) (-)

Ion 253.75 (253.45 to 254.45): VU035942.D (-2780) (-)

10.32

120000

100000

80000

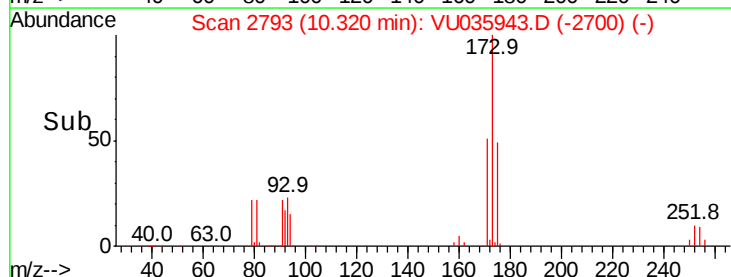
60000

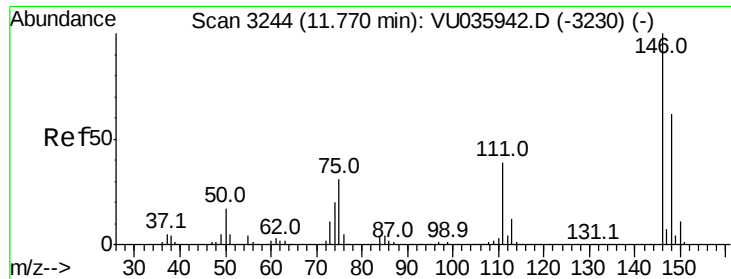
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 10.085 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

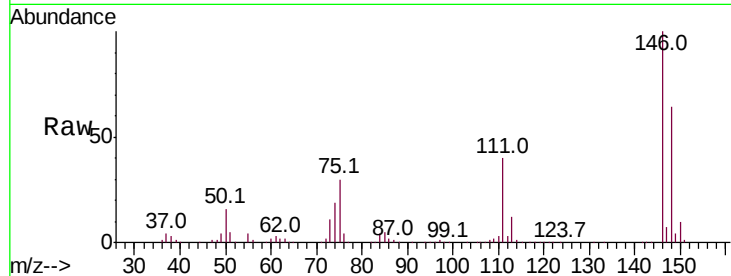
Tot Ion:146 Resp: 612799

Ion Ratio Lower Upper

146 100

111 40.4 27.6 51.4

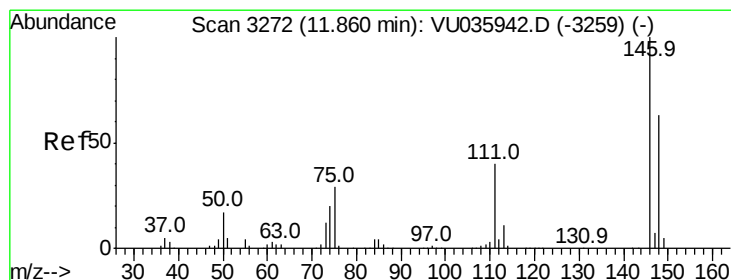
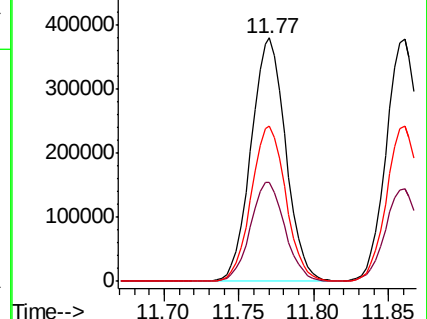
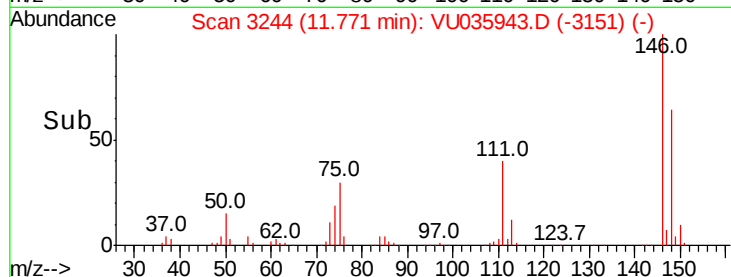
148 63.7 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.378 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

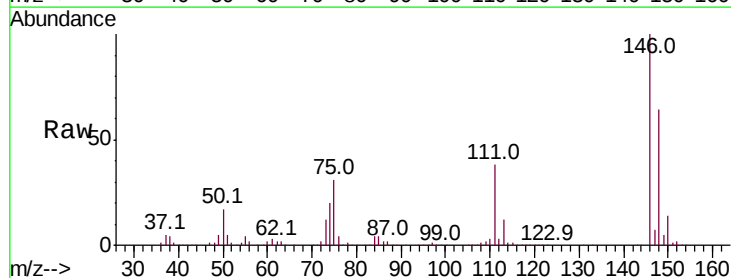
Tgt Ion:146 Resp: 607334

Ion Ratio Lower Upper

146 100

111 38.2 28.5 52.9

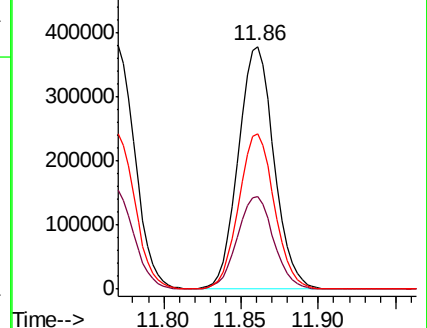
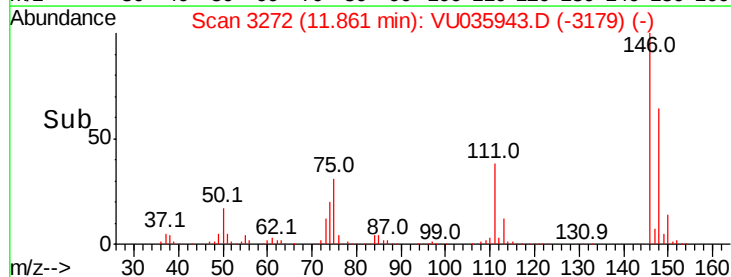
148 64.0 44.4 82.5

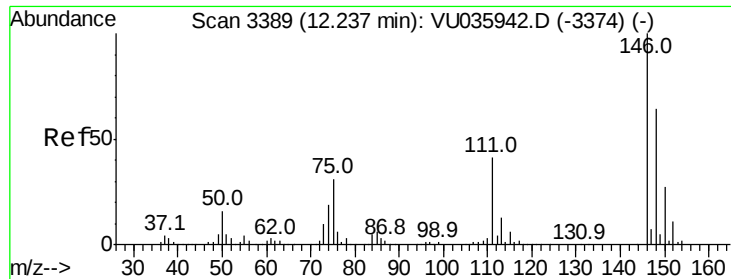


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.244 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

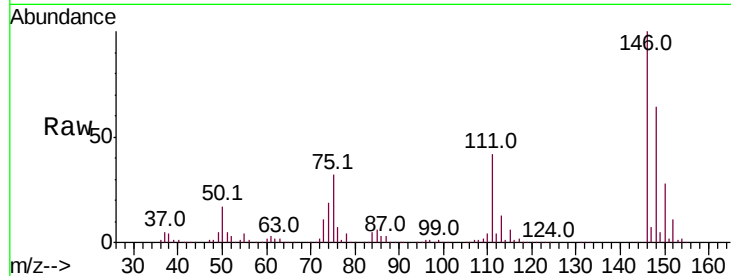
Tot Ion:146 Resp: 584585

Ion Ratio Lower Upper

146 100

111 41.7 32.6 48.8

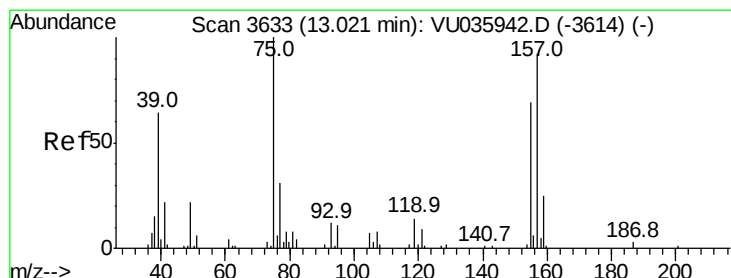
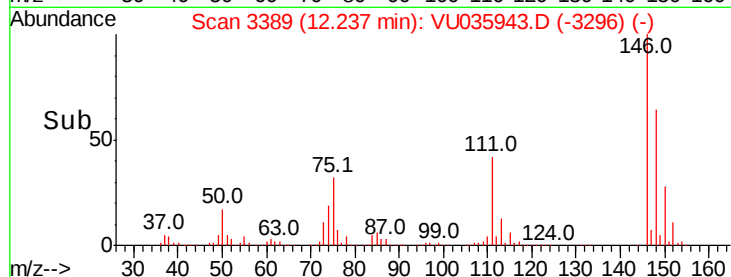
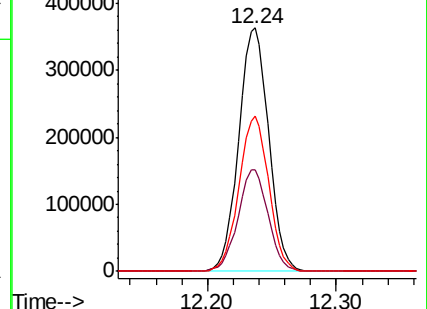
148 63.6 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.877 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

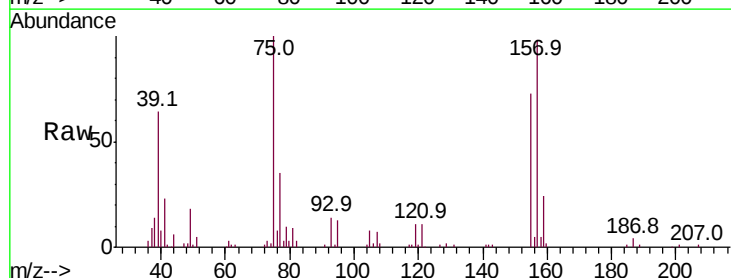
Tgt Ion: 75 Resp: 40709

Ion Ratio Lower Upper

75 100

155 73.2 55.1 82.7

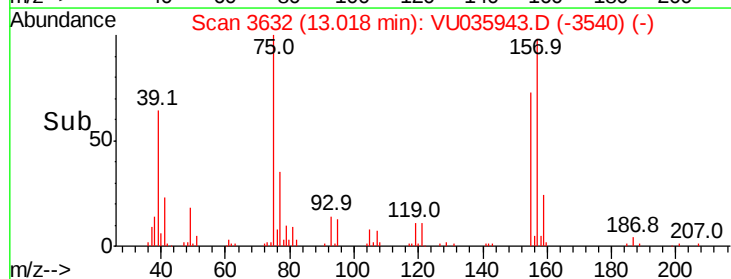
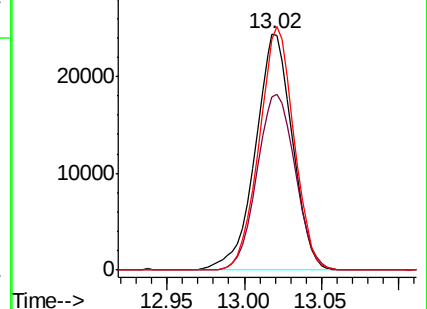
157 97.8 74.0 111.0

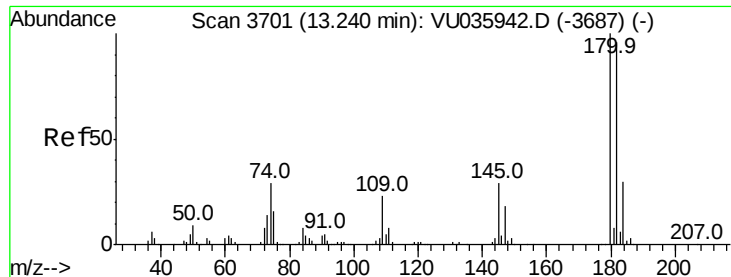


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

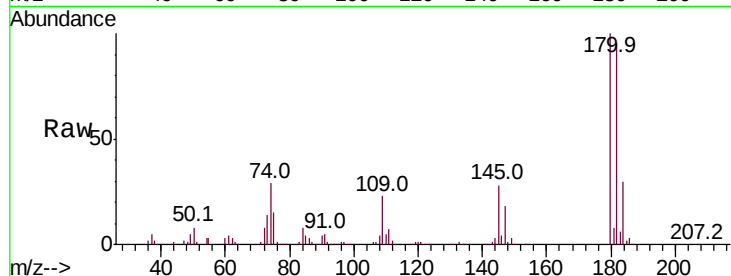




#67
 1,3,5-Trichlorobenzene
 Concen: 11.149 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
184	30.7	24.5	36.7
145	29.0	23.0	34.6



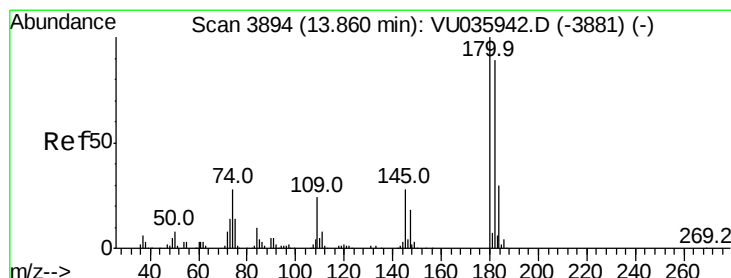
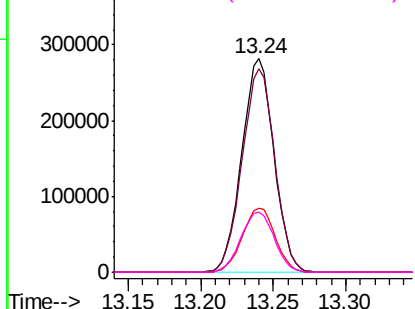
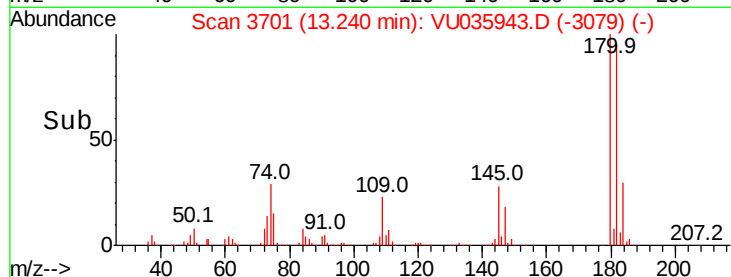
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

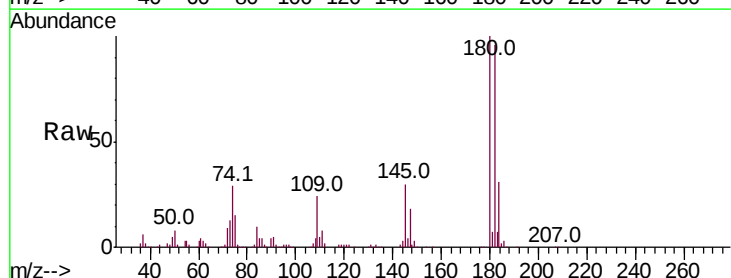
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.661 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU035943.D
 Acq: 03 Dec 2019 12:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.5	111.7
145	29.0	23.4	35.0

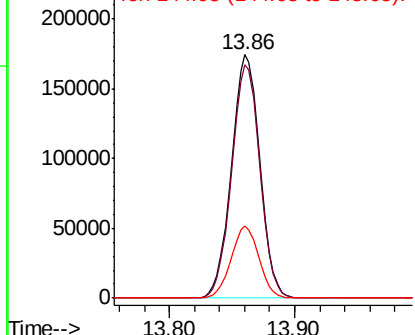
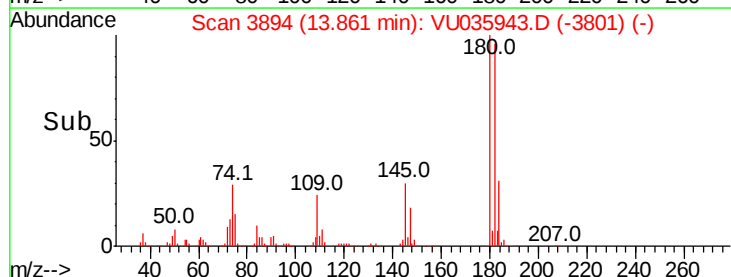


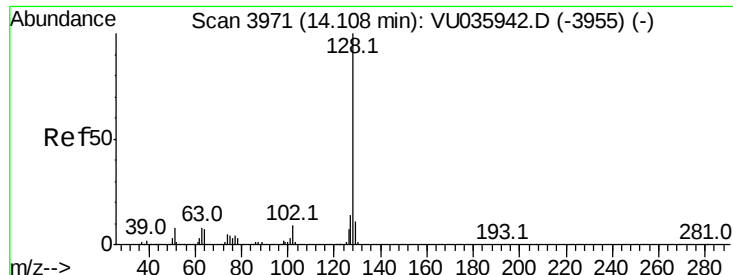
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 11.179 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD01001

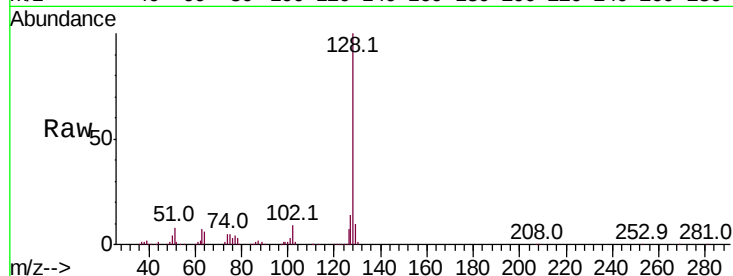
Tot Ion:128 Resp: 315667

Ion Ratio Lower Upper

128 100

129 10.3 8.4 12.6

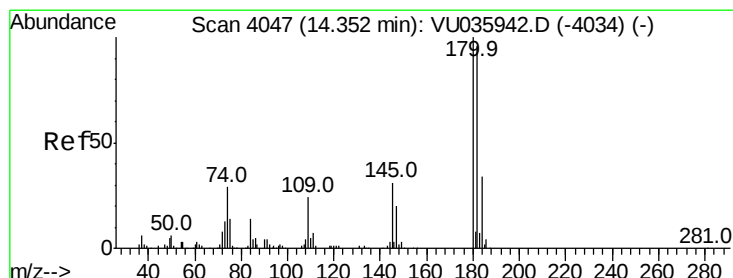
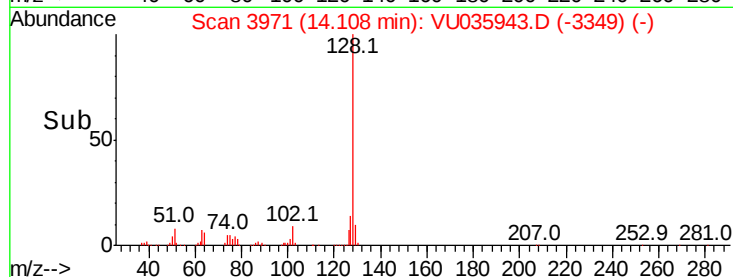
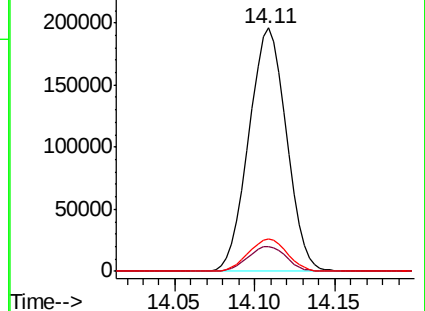
127 13.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.769 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035943.D

Acq: 03 Dec 2019 12:08

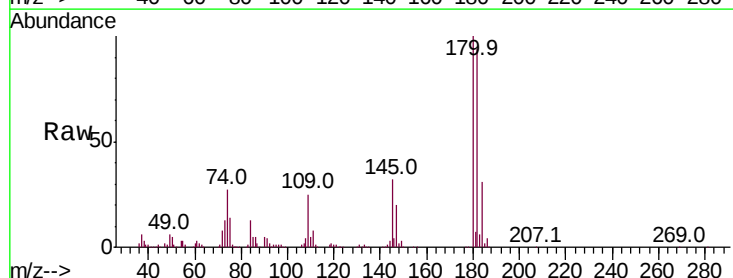
Tgt Ion:180 Resp: 266550

Ion Ratio Lower Upper

180 100

182 94.3 74.6 112.0

145 31.3 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

