

Data File : VU035303.D
Acq On : 19 Oct 2019 08:24
Operator : JC/SP
Sample : VSTD20032
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

Quant Time: Oct 21 04:51:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Oct 21 04:45:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	673492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	681209	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	345743	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	1187270	204.14	ug/L	0.00
7) Chloroethane-d5	1.92	69	981228	199.76	ug/L	-0.01
11) 1,1-Dichloroethene-d2	2.59	63	1938502	202.54	ug/L	0.00
21) 2-Butanone-d5	4.69	46	1644188	431.79	ug/L	0.00
24) Chloroform-d	5.11	84	1926191	200.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	1231921	202.12	ug/L	0.00
32) Benzene-d6	5.77	84	3885959	194.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	1253891	198.83	ug/L	0.00
41) Toluene-d8	7.93	98	3760720	198.91	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	695312	210.53	ug/L	0.00
47) 2-Hexanone-d5	8.68	63	1279358	468.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	1964475	214.19	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	1512698	201.47	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	1087995	200.373	ug/L	99
3) Chloromethane	1.53	50	1116350	203.533	ug/L	99
5) Vinyl chloride	1.62	62	1158473	203.745	ug/L	99
6) Bromomethane	1.85	94	701709	211.641	ug/L	99
8) Chloroethane	1.94	64	700400	200.220	ug/L	100
9) Trichlorofluoromethane	2.16	101	1435924	199.158	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	830528	194.539	ug/L	99
12) 1,1-Dichloroethene	2.61	96	822716	201.665	ug/L	96
13) Acetone	2.67	43	1295837	374.340	ug/L	99
14) Carbon disulfide	2.82	76	2523960	202.132	ug/L	100
15) Methyl Acetate	2.99	43	1022380	205.633	ug/L	99
16) Methylene chloride	3.08	84	951972	197.058	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	884110	201.524	ug/L	98
18) Methyl tert-butyl Ether	3.42	73	2847088	202.491	ug/L	100
19) 1,1-Dichloroethane	3.92	63	1660412	197.089	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	1016923	205.041	ug/L	95
22) 2-Butanone	4.77	43	1689092	405.204	ug/L	96
23) Bromochloromethane	5.02	128	496057	198.960	ug/L	99
25) Chloroform	5.14	83	1682662	195.290	ug/L	100
27) 1,2-Dichloroethane	5.84	62	1320430	195.699	ug/L	100
29) Cyclohexane	5.43	56	1503810	196.363	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	1428466	190.927	ug/L	99
31) Carbon tetrachloride	5.57	117	1277582	194.967	ug/L	99
33) Benzene	5.82	78	3742727	192.278	ug/L	100
34) Trichloroethene	6.58	95	963603	193.294	ug/L	99
35) Methylcyclohexane	6.80	83	1544322	201.443	ug/L	99
37) 1,2-Dichloropropane	6.84	63	972874	192.914	ug/L	100
38) Bromodichloromethane	7.15	83	1338784	200.172	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	1718429	210.675	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	3058453	430.053	ug/L	100

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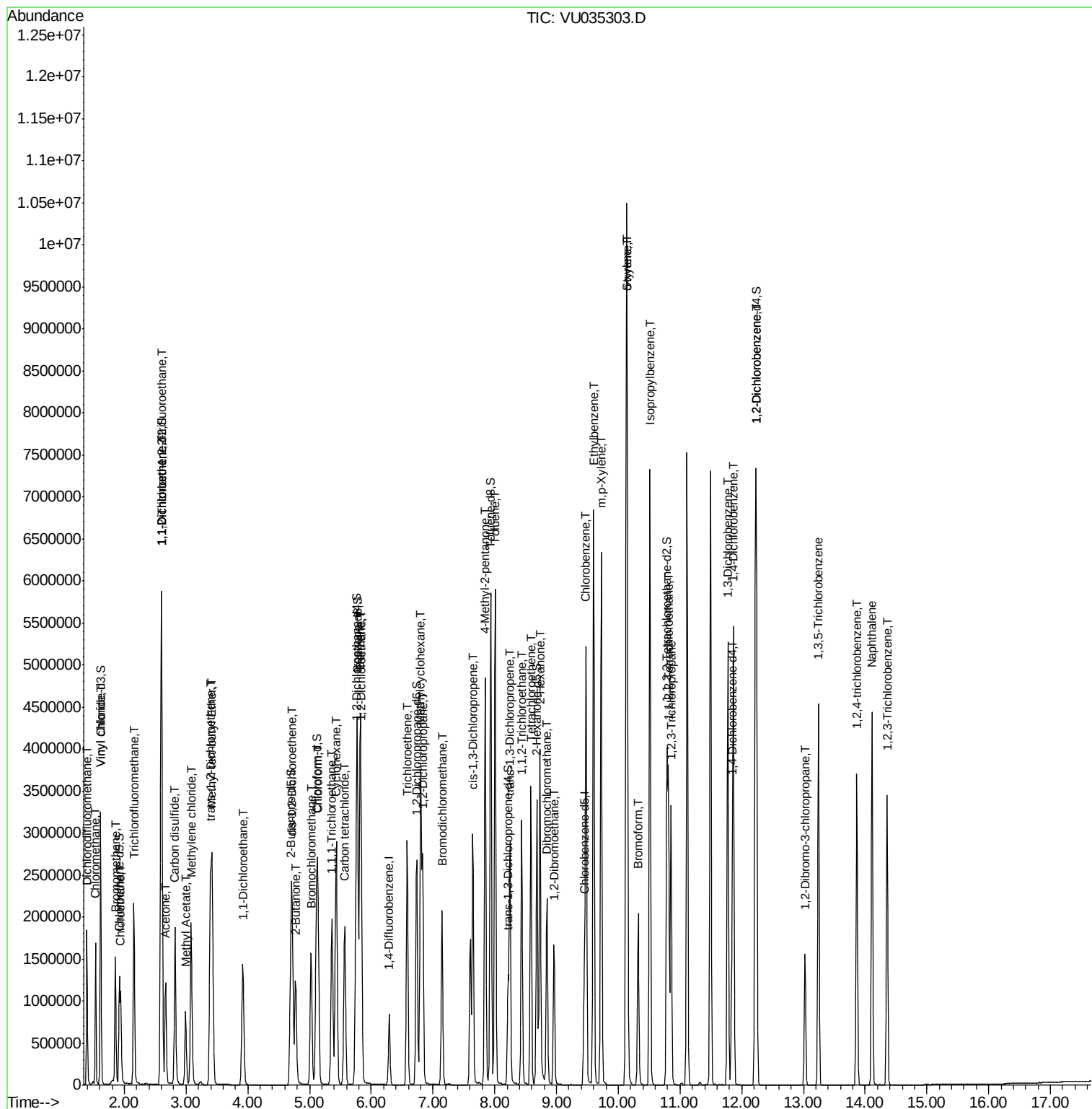
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	4136669	196.434	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	1575633	207.220	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	968853	198.364	ug/L	98
46) Tetrachloroethene	8.58	164	789676	197.076	ug/L	100
48) 2-Hexanone	8.73	43	2487890	422.143	ug/L	95
49) Dibromochloromethane	8.84	129	1130169	204.903	ug/L	100
50) 1,2-Dibromoethane	8.96	107	1100033	202.983	ug/L	97
51) Chlorobenzene	9.48	112	2737464	201.952	ug/L	98
52) Ethylbenzene	9.60	91	4802646	206.370	ug/L	100
53) m,p-Xylene	9.73	106	1805123	211.302	ug/L	100
54) o-xylene	10.13	106	1801508	208.036	ug/L	99
55) Styrene	10.14	104	3119434	216.879	ug/L	99
56) Isopropylbenzene	10.51	105	4721565	212.643	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	1779497	207.773	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	1393010	208.161	ug/L	99
61) Bromoform	10.32	173	934805	195.942	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	2196783	200.357	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	2179158	202.630	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	2146234	196.086	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	378488	218.008	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	1415709	228.170	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	1136123	288.020	ug/L	99
69) Naphthalene	14.11	128	3426661	347.829	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	1082097	259.935	ug/L	100

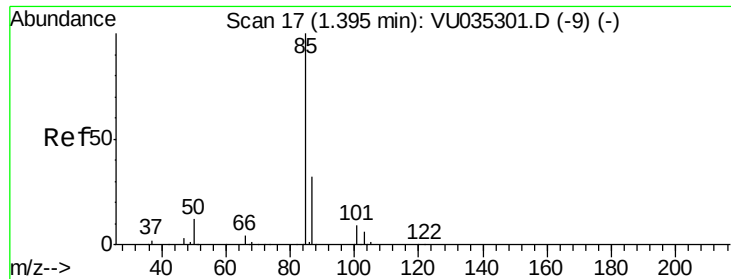
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 200.373 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

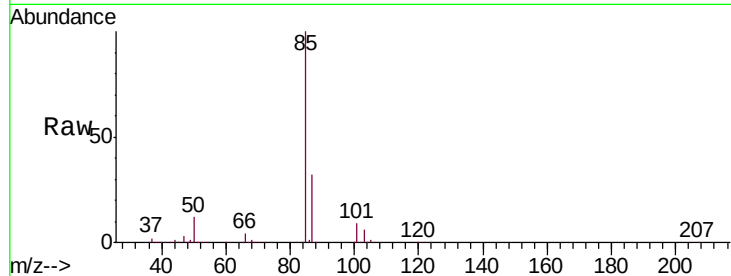
VSTD20032

Tgt Ion: 85 Resp: 1087995

Ion Ratio Lower Upper

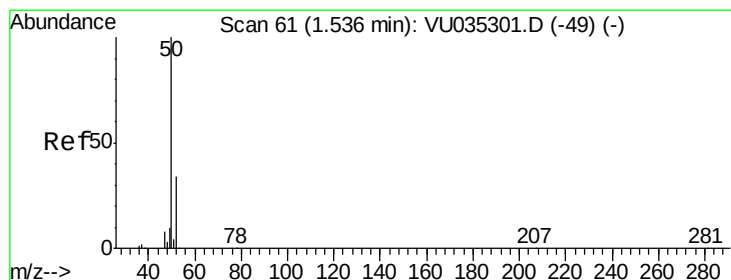
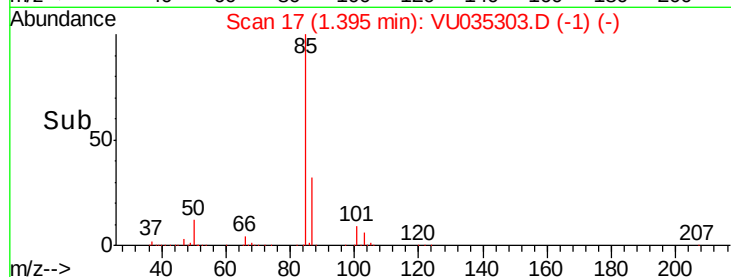
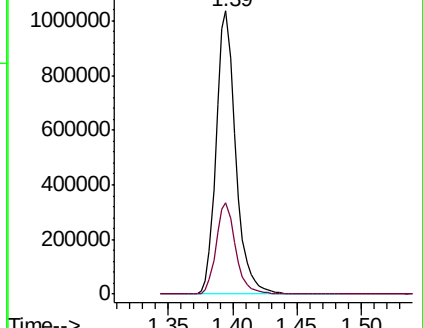
85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035303.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035303.D (-1) (-)



#3

Chloromethane

Concen: 203.533 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035303.D

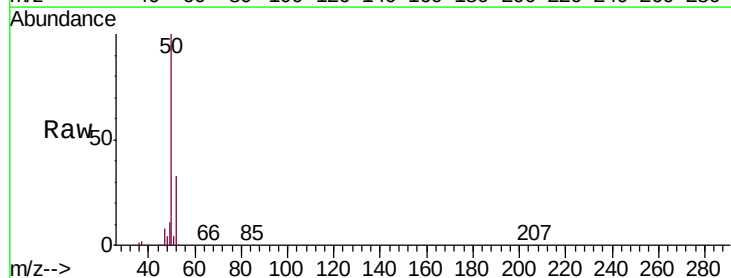
Acq: 19 Oct 2019 08:24

Tgt Ion: 50 Resp: 1116350

Ion Ratio Lower Upper

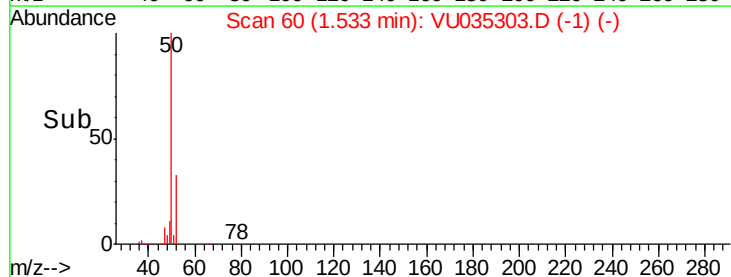
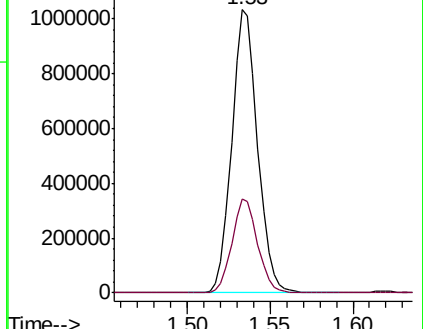
50 100

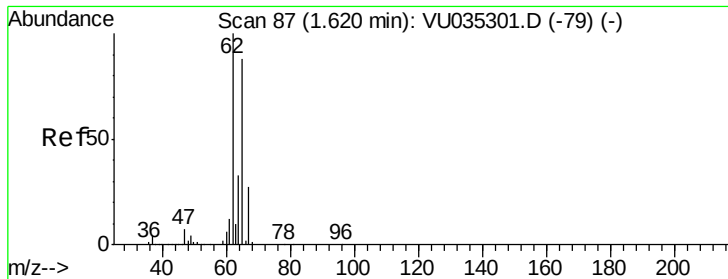
52 33.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU035303.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU035303.D (-1) (-)





#5

Vinyl chloride

Concen: 203.745 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

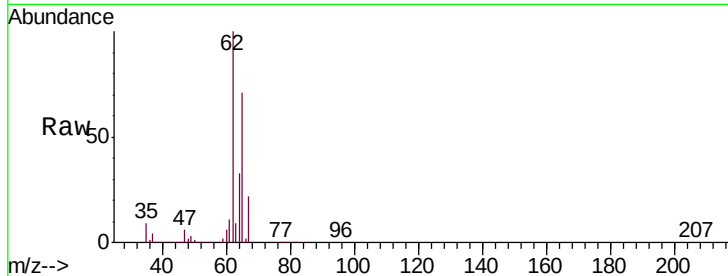
VSTD20032

Tgt Ion: 62 Resp: 1158473

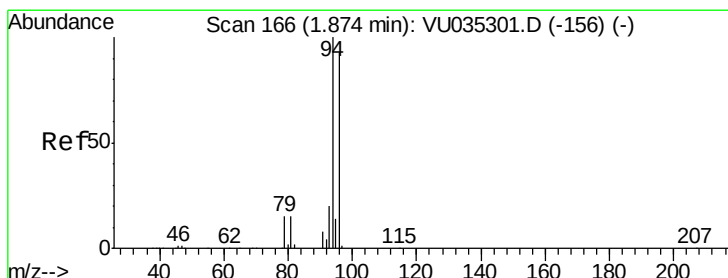
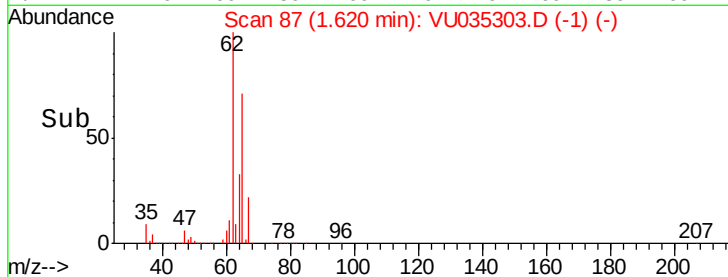
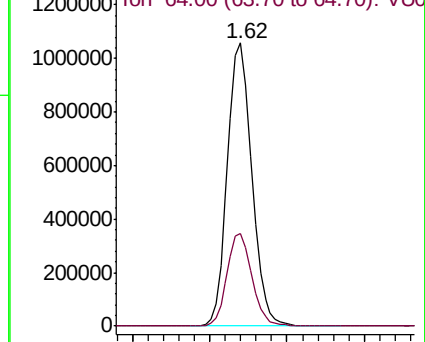
Ion Ratio Lower Upper

62 100

64 32.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU035303.D (-1) (-)



#6

Bromomethane

Concen: 211.641 ug/L

RT: 1.85 min Scan# 160

Delta R.T. -0.02 min

Lab File: VU035303.D

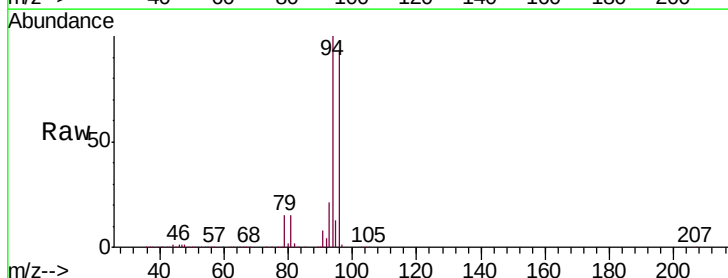
Acq: 19 Oct 2019 08:24

Tgt Ion: 94 Resp: 701709

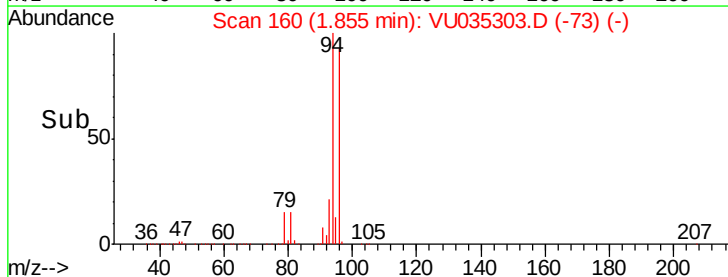
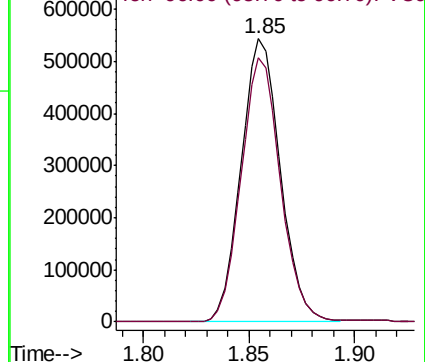
Ion Ratio Lower Upper

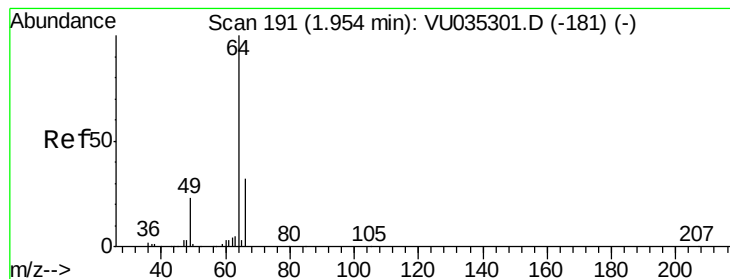
94 100

96 93.4 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU035303.D (-73) (-)





#8

Chloroethane

Concen: 200.220 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

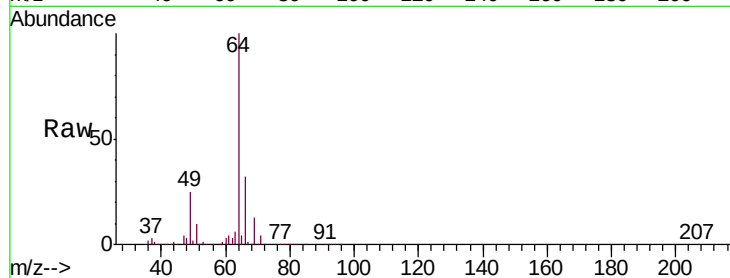
VSTD20032

Tgt Ion: 64 Resp: 700400

Ion Ratio Lower Upper

64 100

66 32.3 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU035303.D (-181) (-)

Ion 66.00 (65.70 to 66.70): VU035303.D (-181) (-)

1.94

500000

400000

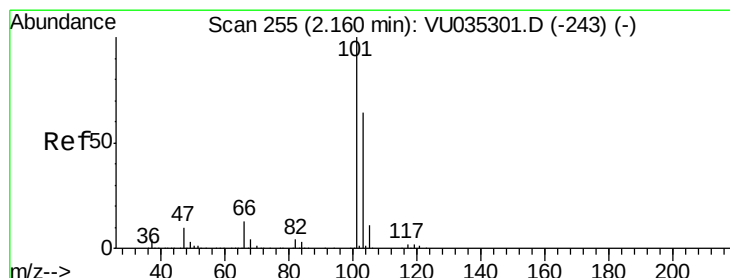
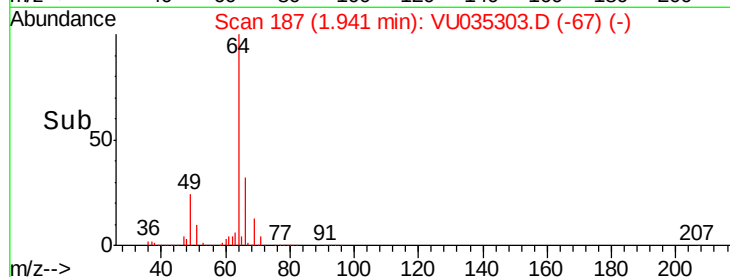
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 199.158 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035303.D

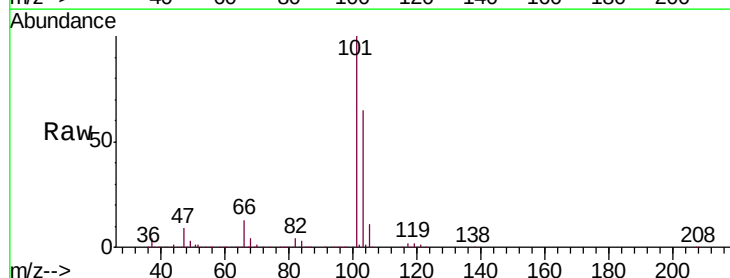
Acq: 19 Oct 2019 08:24

Tgt Ion:101 Resp: 1435924

Ion Ratio Lower Upper

101 100

103 64.1 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU035303.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU035303.D (-243) (-)

2.16

1000000

800000

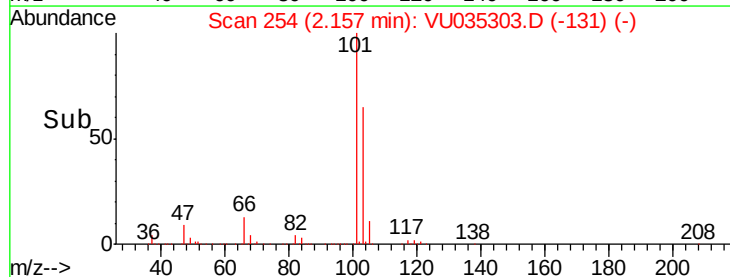
600000

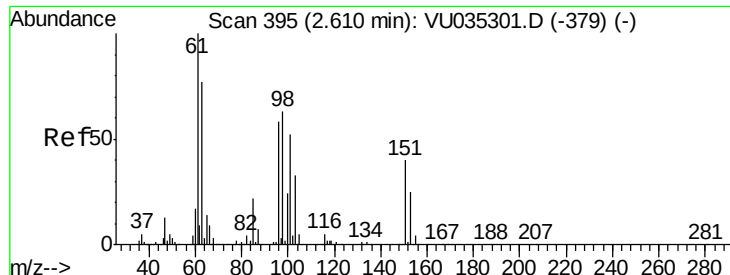
400000

200000

0

Time-->





#10

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

Concen: 194.539 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.01 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

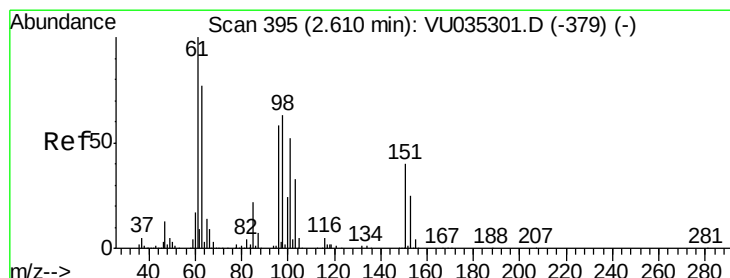
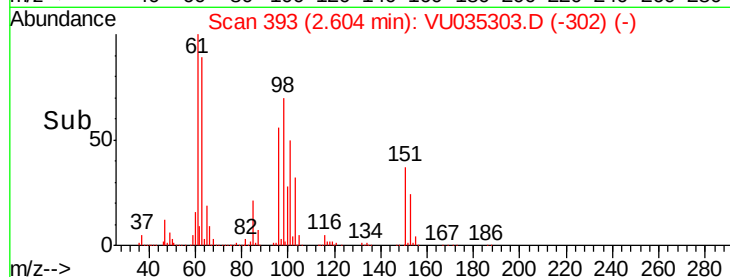
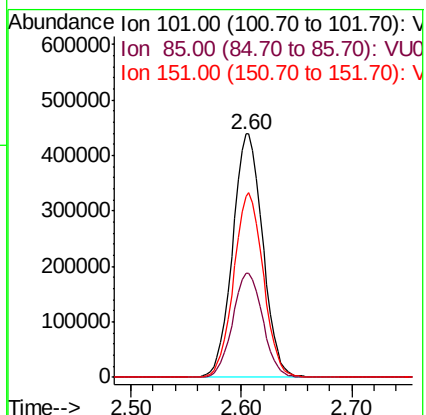
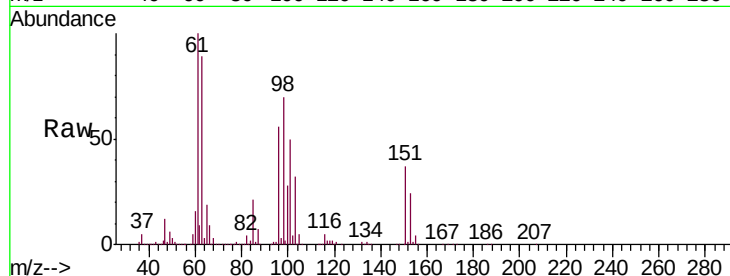
Tgt Ion:101 Resp: 830528

Ion Ratio Lower Upper

101 100

85 42.8 33.7 50.5

151 74.4 60.3 90.5



#12

1,1-Dichloroethene

Concen: 201.665 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

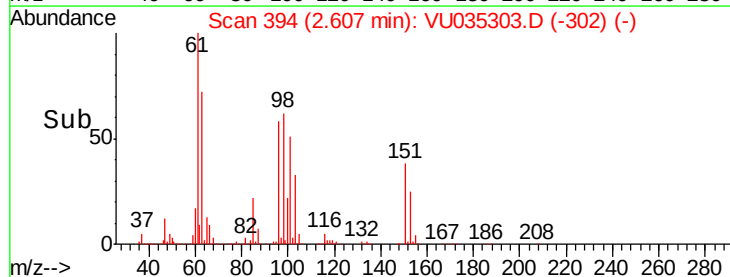
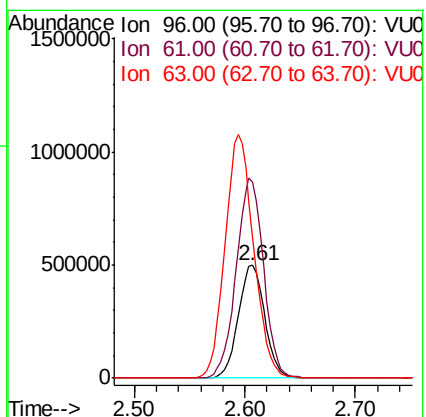
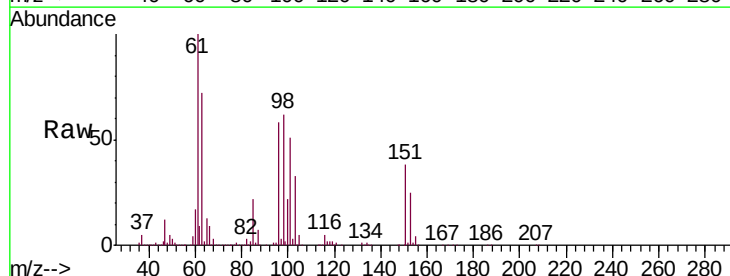
Tgt Ion: 96 Resp: 822716

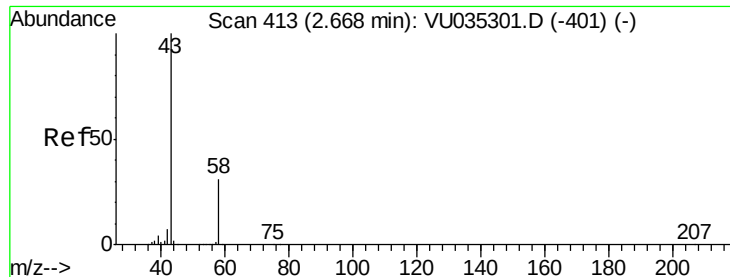
Ion Ratio Lower Upper

96 100

61 173.7 121.1 224.9

63 125.2 93.9 174.3





#13

Acetone

Concen: 374.340 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.00 min

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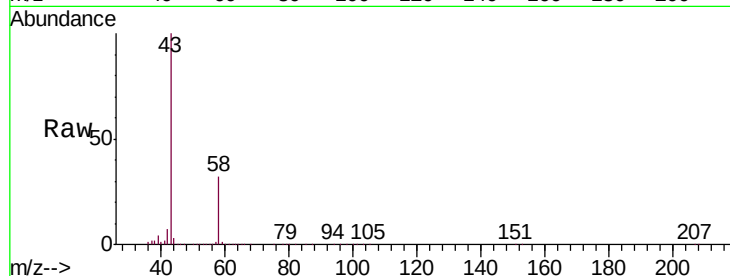
VSTD20032

Tgt Ion: 43 Resp: 1295837

Ion Ratio Lower Upper

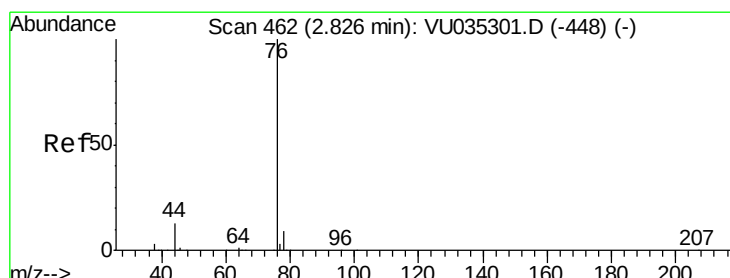
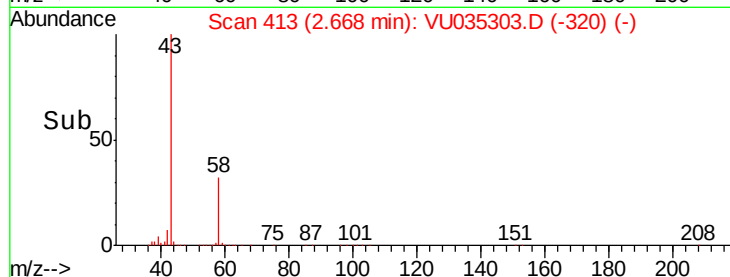
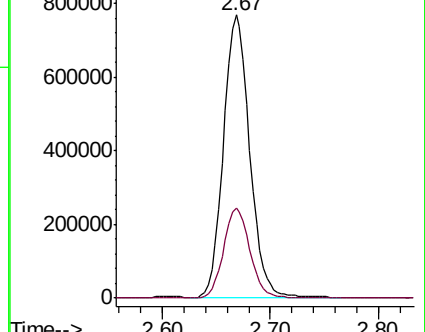
43 100

58 32.1 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU035303.D (-320) (-)

Ion 58.00 (57.70 to 58.70): VU035303.D (-320) (-)



#14

Carbon disulfide

Concen: 202.132 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035303.D

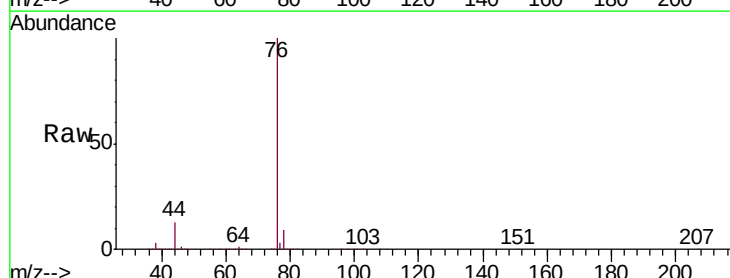
Acq: 19 Oct 2019 08:24

Tgt Ion: 76 Resp: 2523960

Ion Ratio Lower Upper

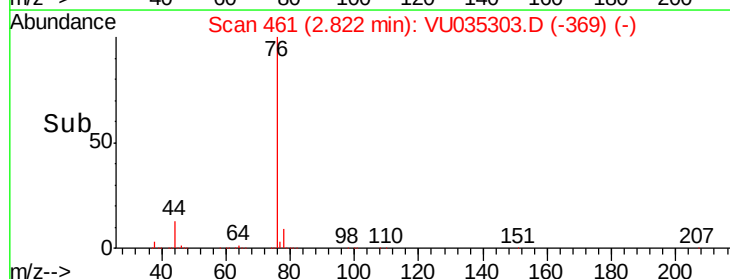
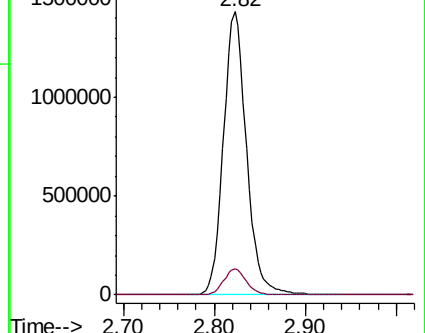
76 100

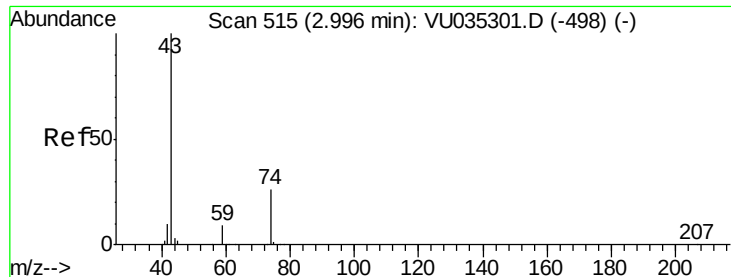
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU035303.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VU035303.D (-369) (-)

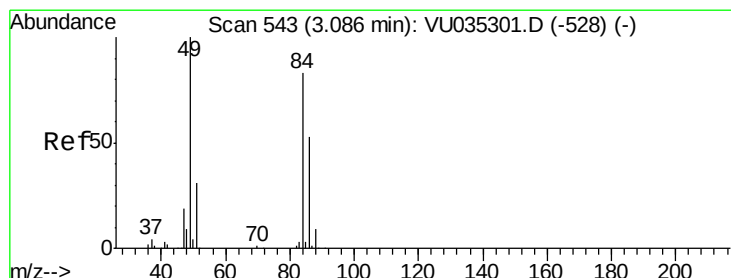
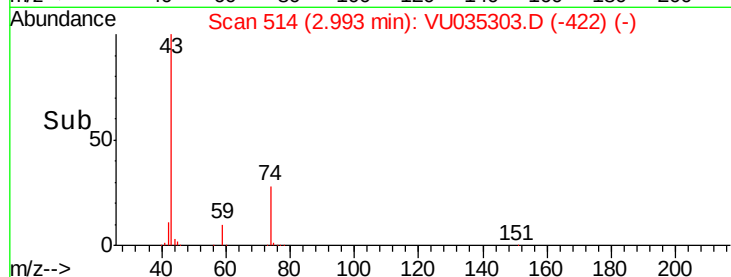
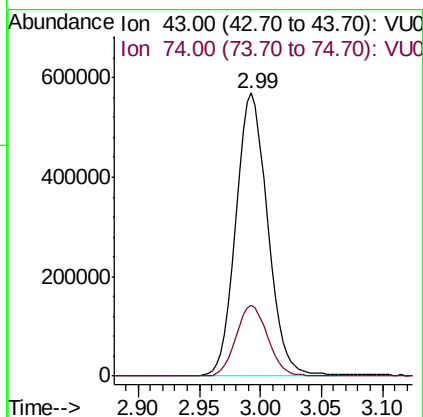
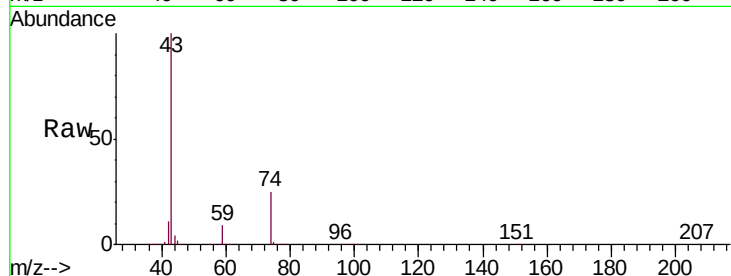




#15
Methyl Acetate
Concen: 205.633 ug/L
RT: 2.99 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

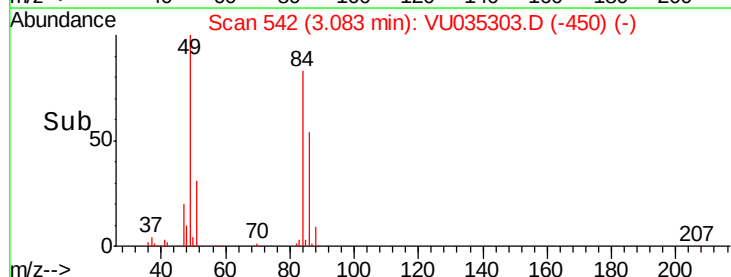
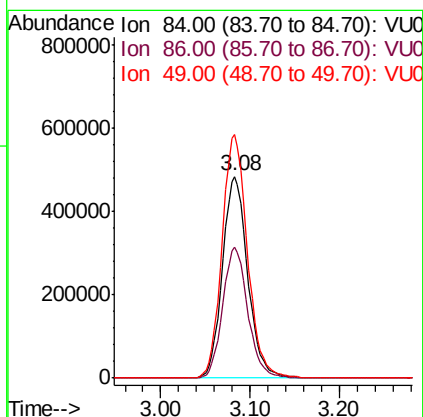
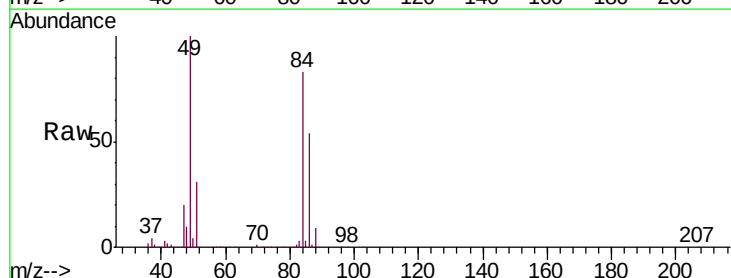
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

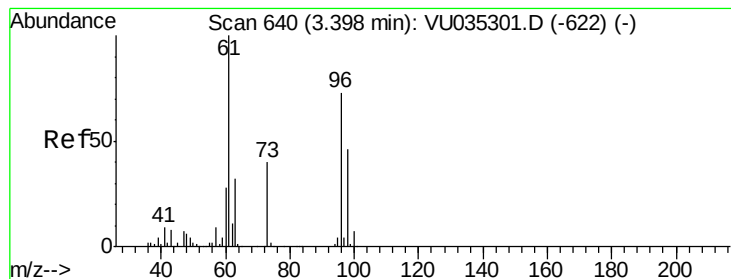
Tgt Ion: 43 Resp: 1022380
Ion Ratio Lower Upper
43 100
74 25.1 20.3 30.5



#16
Methylene chloride
Concen: 197.058 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

Tgt Ion: 84 Resp: 951972
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.5
49 120.7 84.0 156.0





#17

trans-1,2-Dichloroethene

Concen: 201.524 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.01 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

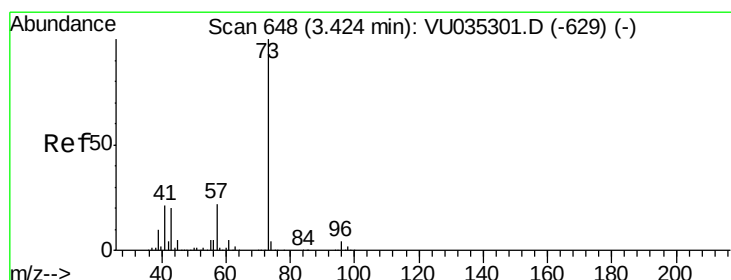
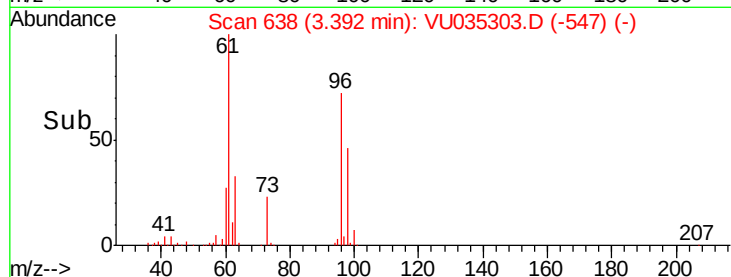
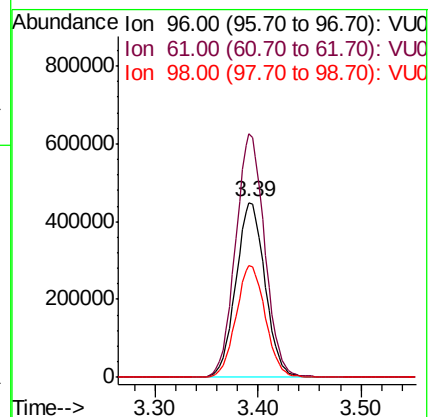
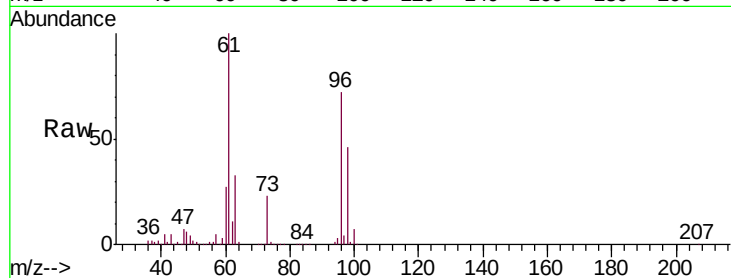
Tgt Ion: 96 Resp: 884110

Ion Ratio Lower Upper

96 100

61 139.5 95.8 178.0

98 63.9 44.4 82.4



#18

Methyl tert-butyl Ether

Concen: 202.491 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

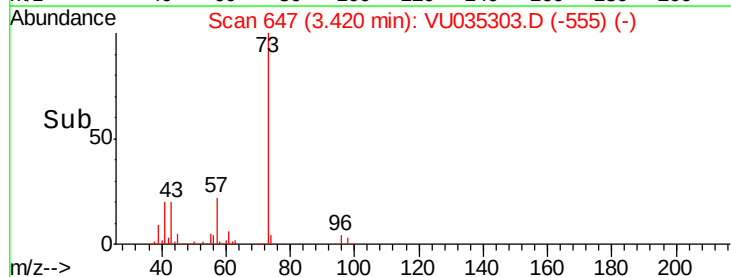
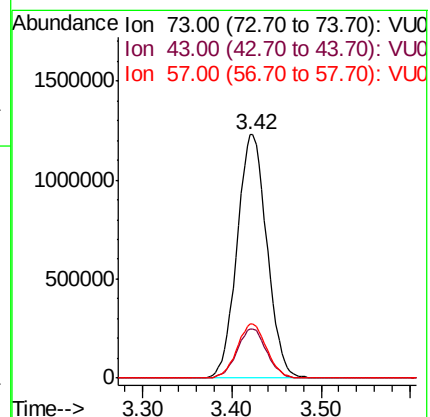
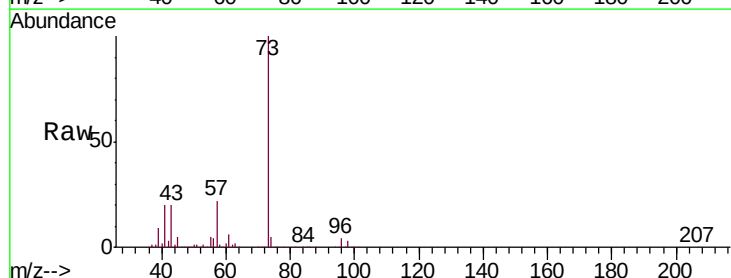
Tgt Ion: 73 Resp: 2847088

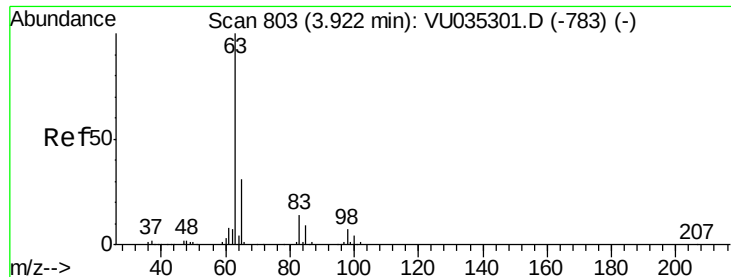
Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

57 22.1 17.6 26.4

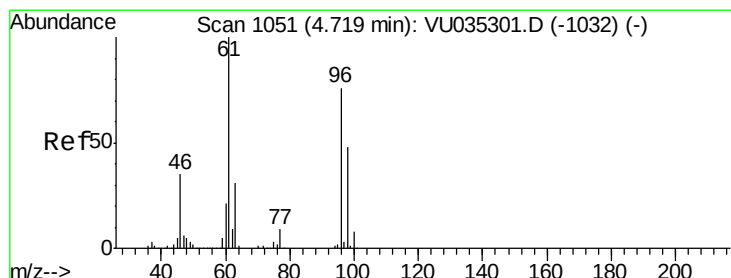
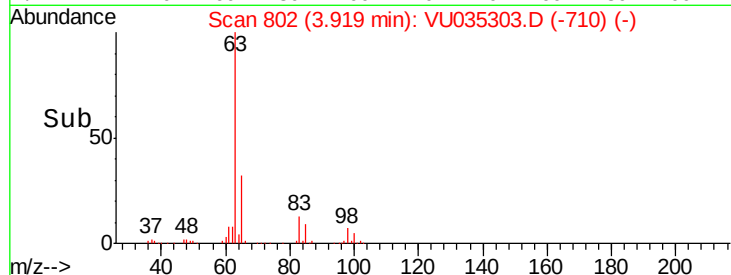
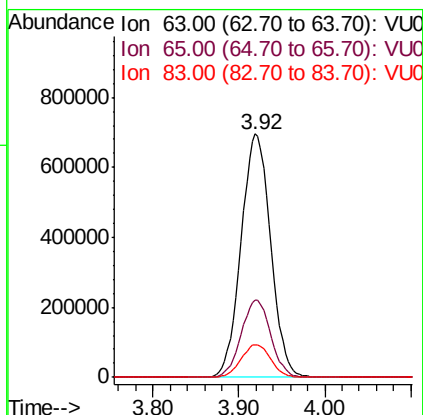
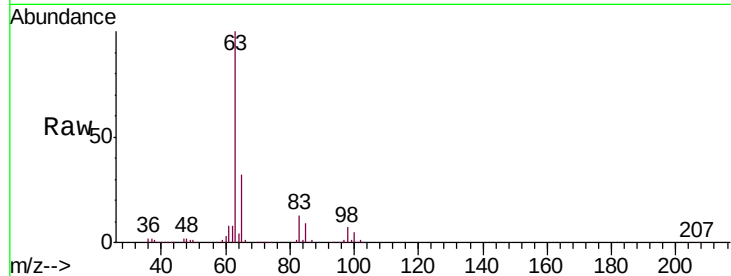




#19
 1,1-Dichloroethane
 Concen: 197.089 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

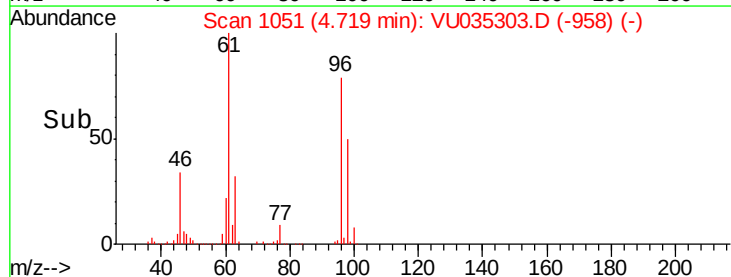
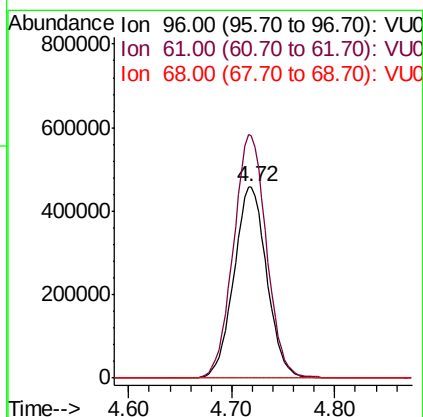
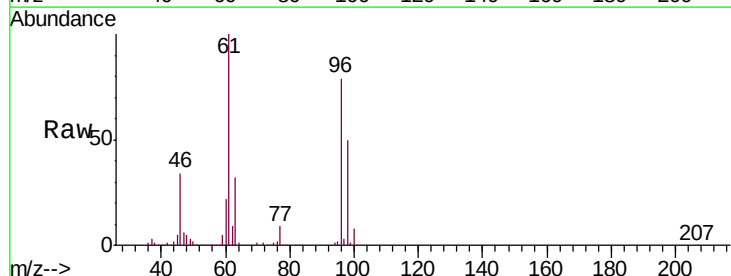
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

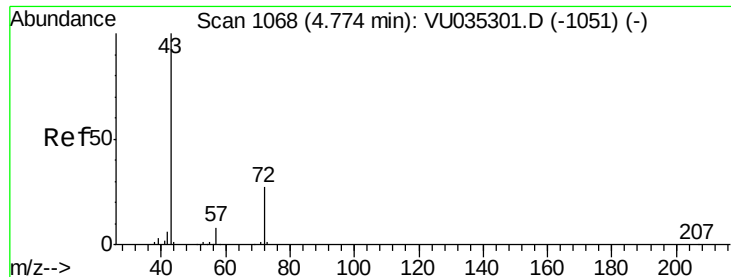
Tgt Ion: 63 Resp: 1660412
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.6 40.0
 83 13.4 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 205.041 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion: 96 Resp: 1016923
 Ion Ratio Lower Upper
 96 100
 61 126.8 92.7 172.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 405.204 ug/L

RT: 4.77 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

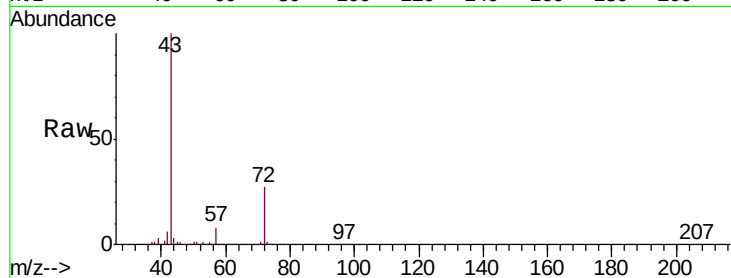
VSTD20032

Tgt Ion: 43 Resp: 1689092

Ion Ratio Lower Upper

43 100

72 27.8 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU035303.D (-975) (-)

Ion 72.00 (71.70 to 72.70): VU035303.D (-975) (-)

4.77

800000

600000

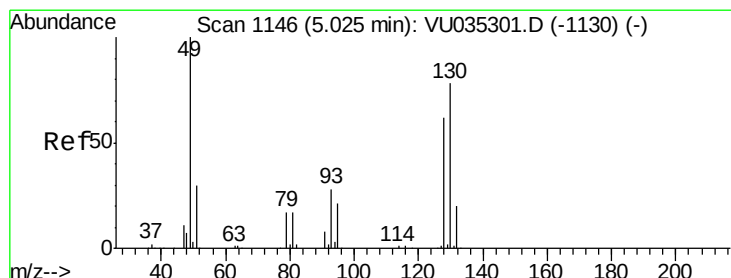
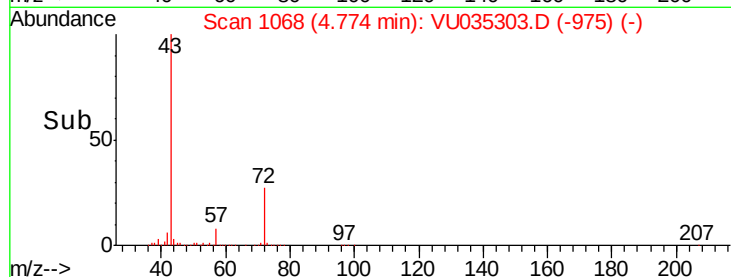
400000

200000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 198.960 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Tgt Ion: 128 Resp: 496057

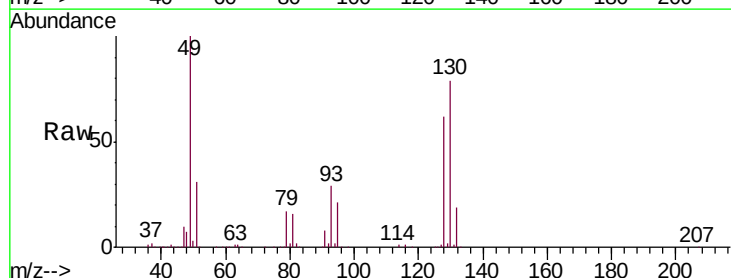
Ion Ratio Lower Upper

128 100

49 160.8 112.7 209.3

130 127.8 87.8 163.0

51 50.0 39.0 58.4



Abundance Ion 128.00 (127.70 to 128.70): VU035303.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU035303.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU035303.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035303.D (-1053) (-)

500000

400000

300000

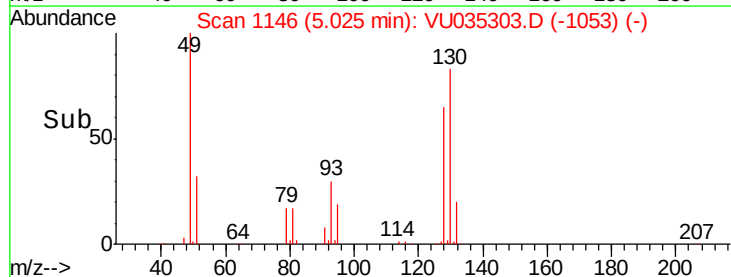
200000

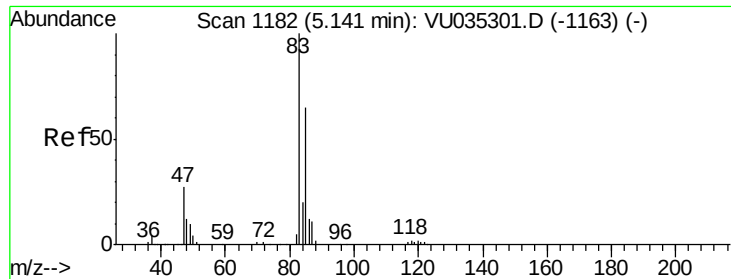
100000

0

4.90 5.00 5.10

Time-->

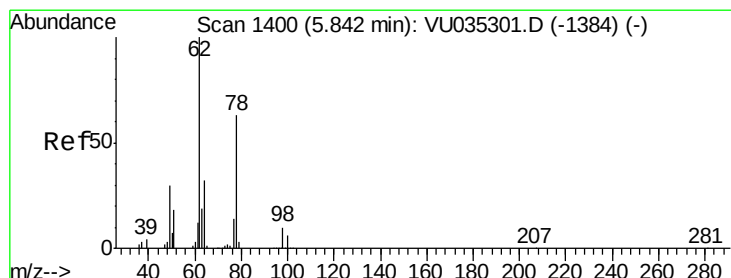
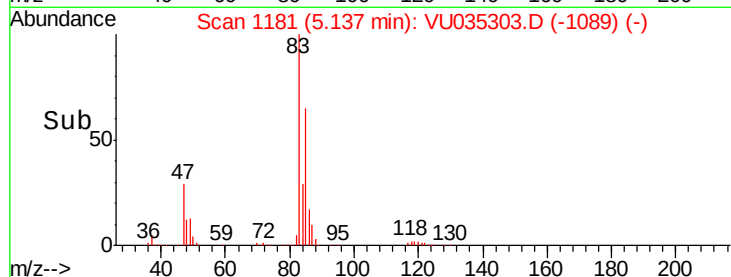
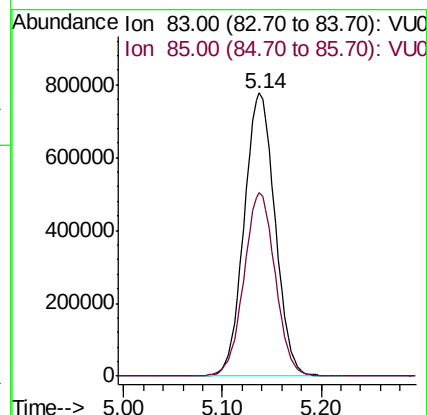
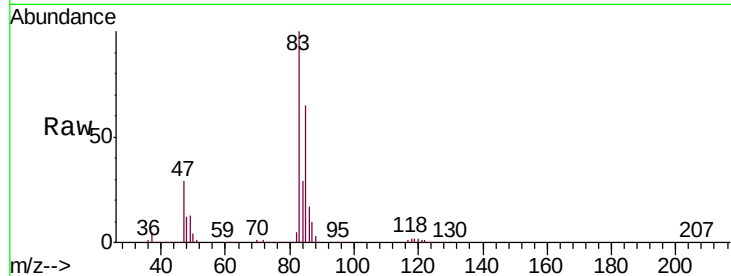




#25
Chloroform
Concen: 195.290 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

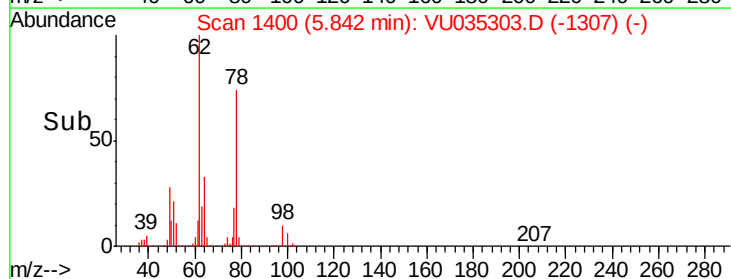
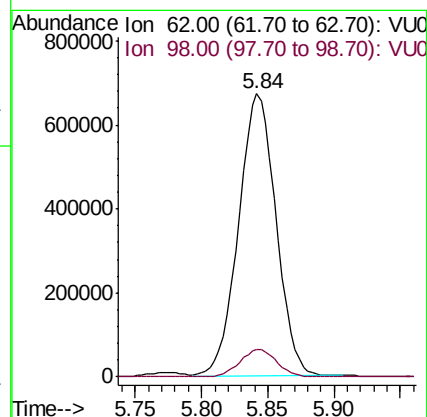
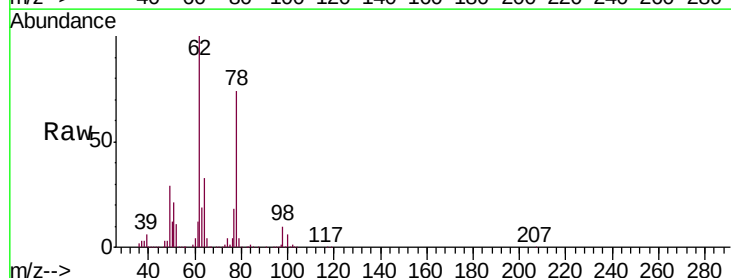
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

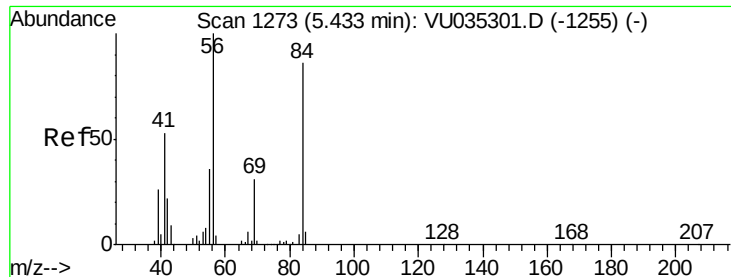
Tgt Ion: 83 Resp: 1682662
Ion Ratio Lower Upper
83 100
85 64.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 195.699 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

Tgt Ion: 62 Resp: 1320430
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6

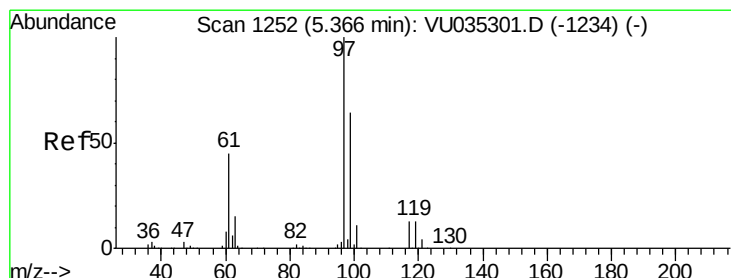
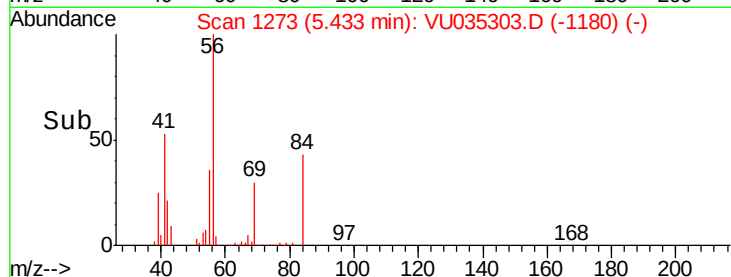
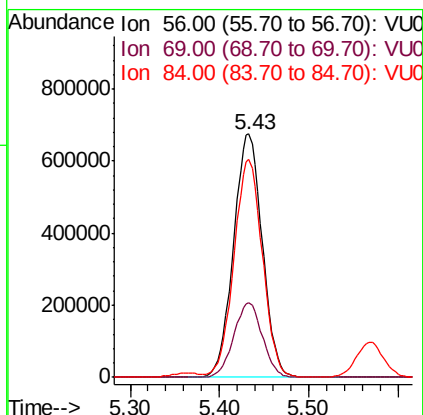
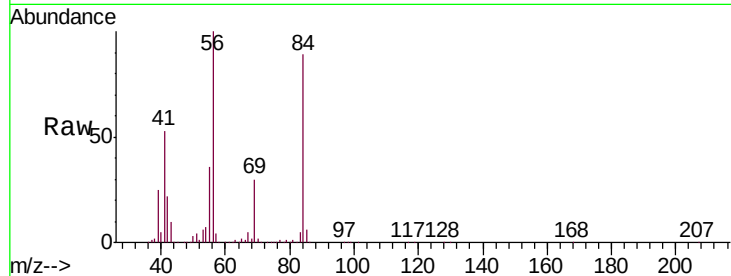




#29
Cyclohexane
Concen: 196.363 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

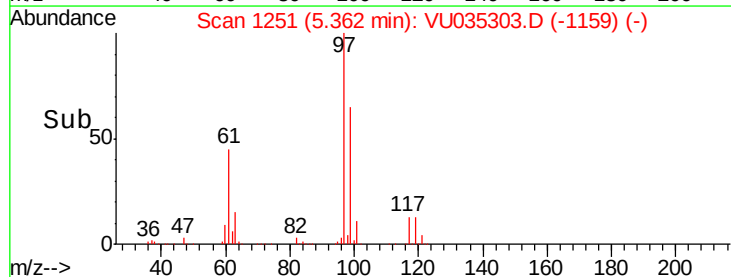
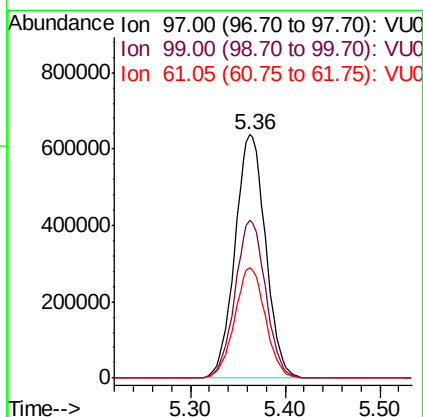
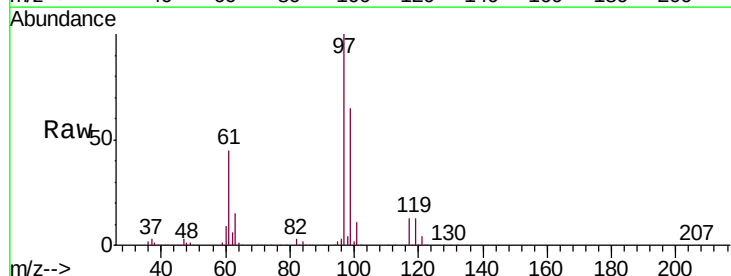
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

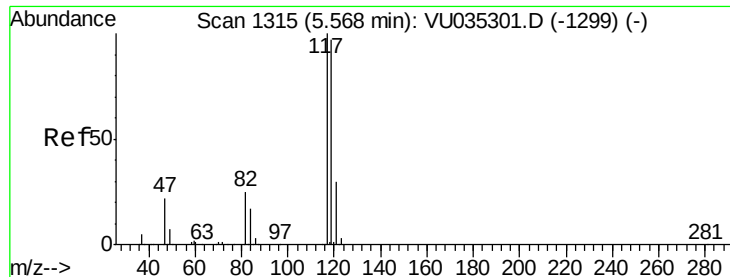
Tgt Ion: 56 Resp: 1503810
Ion Ratio Lower Upper
56 100
69 30.4 24.2 36.4
84 88.8 71.1 106.7



#30
1,1,1-Trichloroethane
Concen: 190.927 ug/L
RT: 5.36 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

Tgt Ion: 97 Resp: 1428466
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 45.5 36.6 54.8





#31

Carbon tetrachloride

Concen: 194.967 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

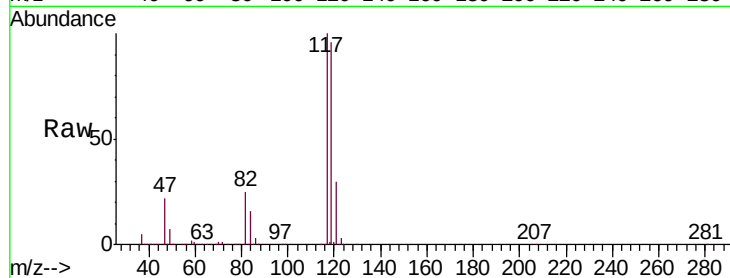
VSTD20032

Tgt Ion:117 Resp: 1277582

Ion Ratio Lower Upper

117 100

119 96.1 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

600000

400000

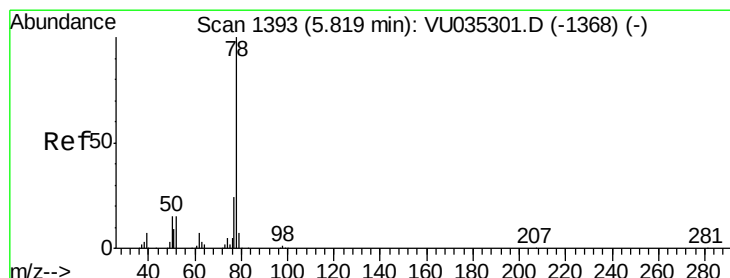
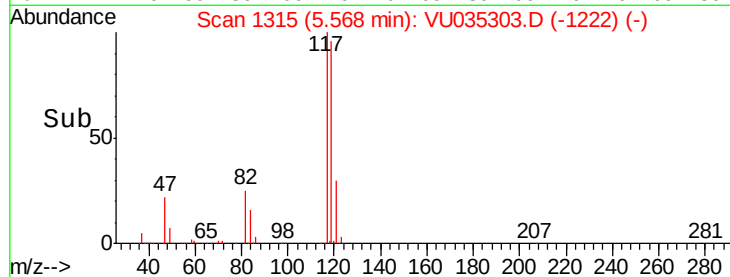
200000

0

5.57

5.60

Time-->



#33

Benzene

Concen: 192.278 ug/L

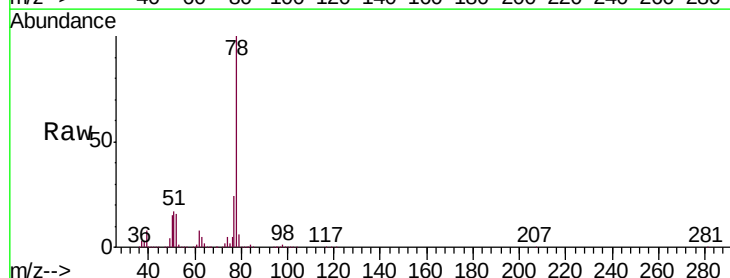
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Tgt Ion: 78 Resp: 3742727



Abundance Ion 78.00 (77.70 to 78.70): VU0

2000000

1500000

1000000

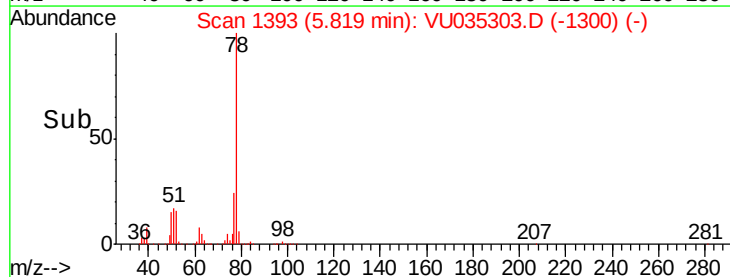
500000

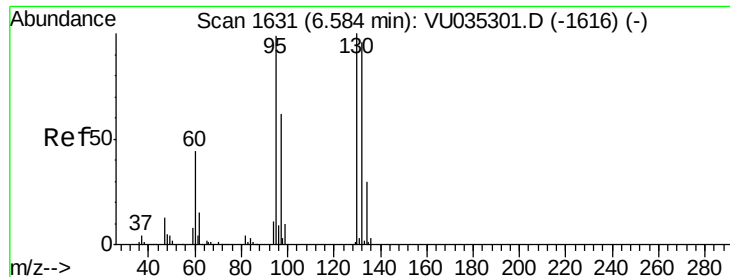
0

5.82

5.90

Time-->





#34

Trichloroethene

Concen: 193.294 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

Tgt Ion: 95 Resp: 963603

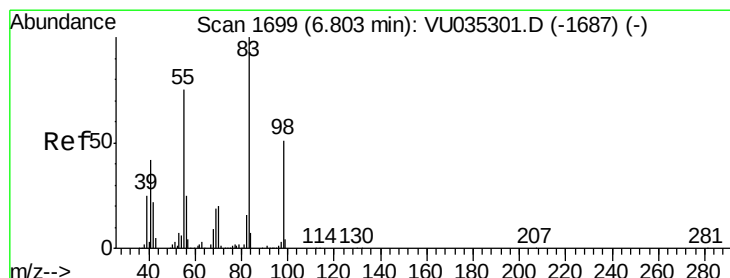
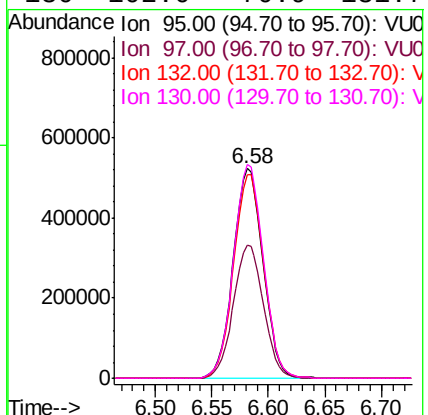
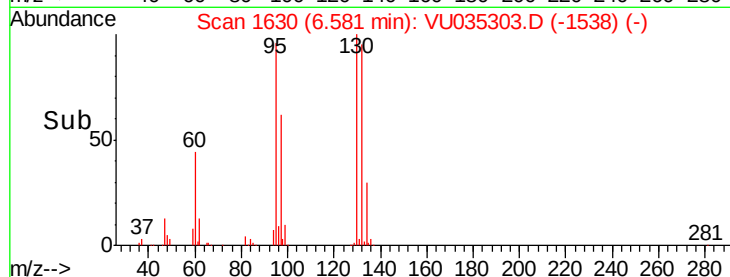
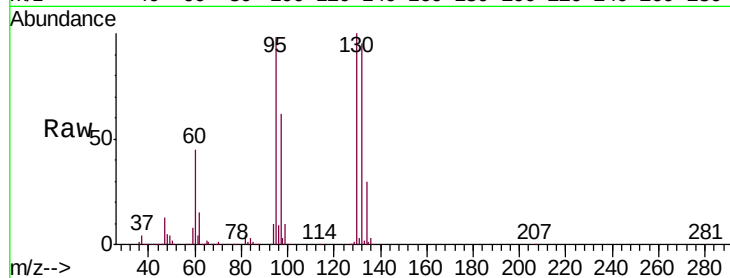
Ion Ratio Lower Upper

95 100

97 63.7 44.2 82.2

132 97.2 67.8 125.8

130 102.0 70.9 131.7



#35

Methylcyclohexane

Concen: 201.443 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

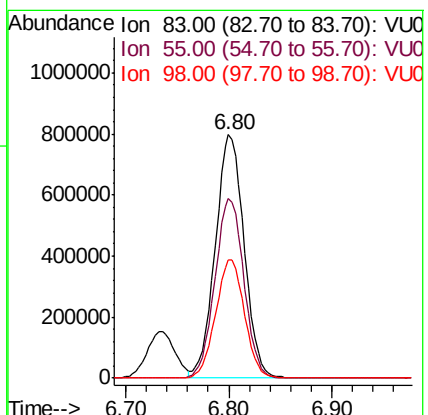
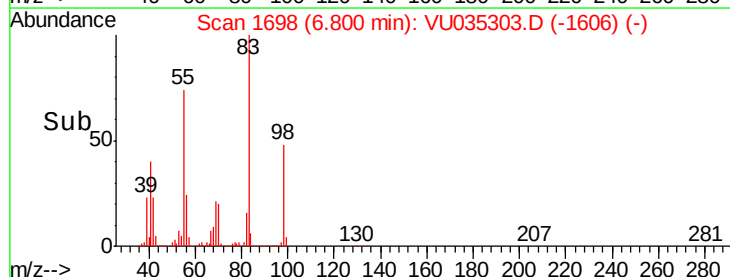
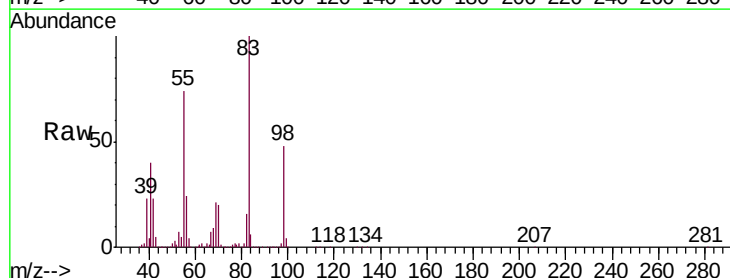
Tgt Ion: 83 Resp: 1544322

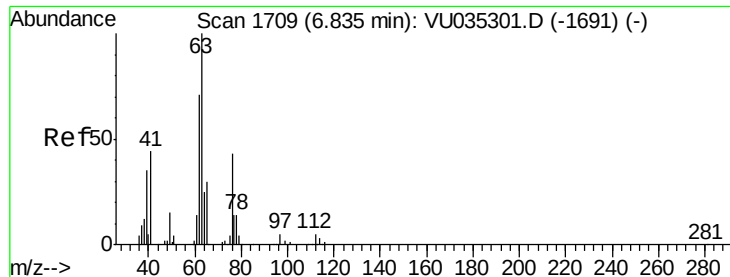
Ion Ratio Lower Upper

83 100

55 73.9 59.5 89.3

98 48.8 39.9 59.9

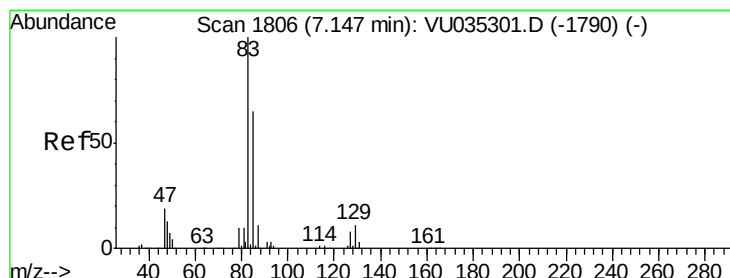
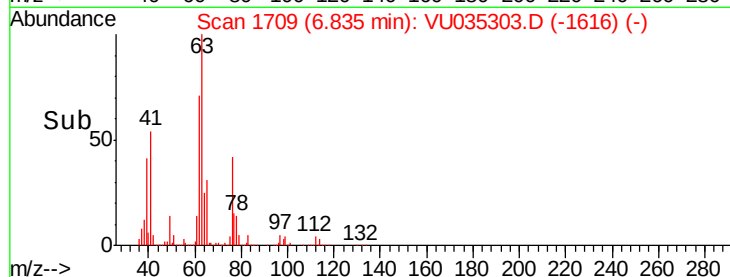
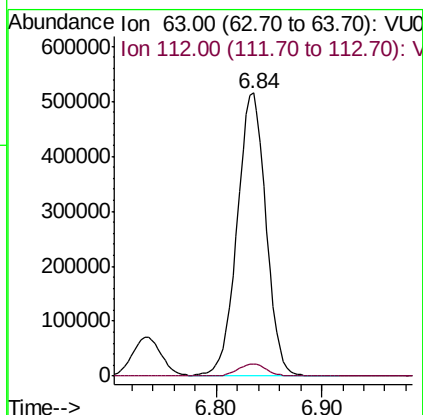
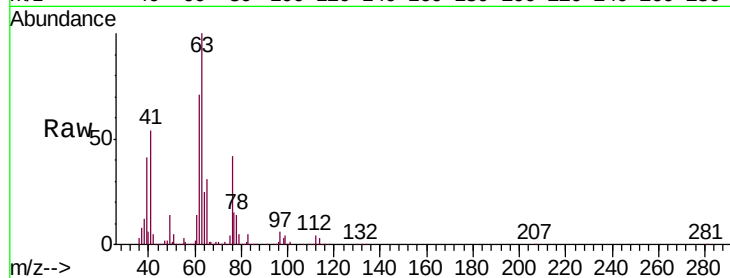




#37
 1,2-Dichloropropane
 Concen: 192.914 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

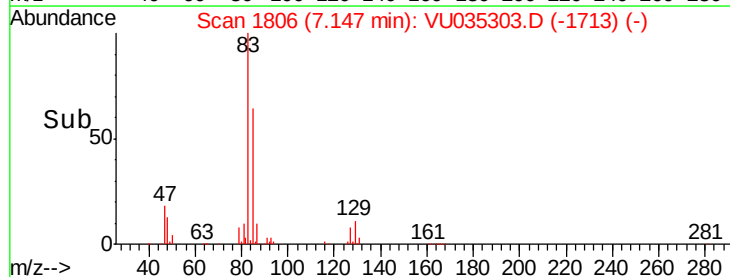
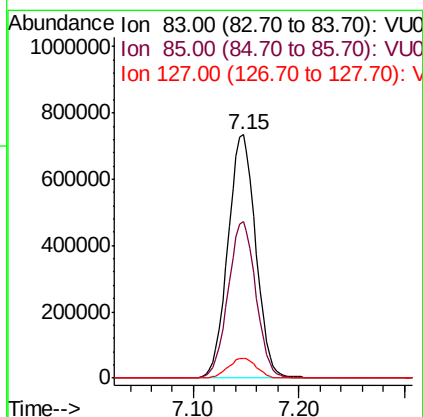
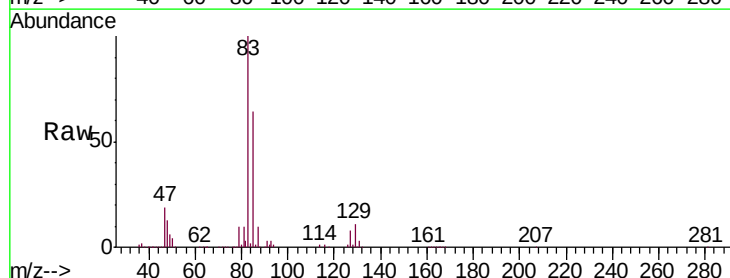
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

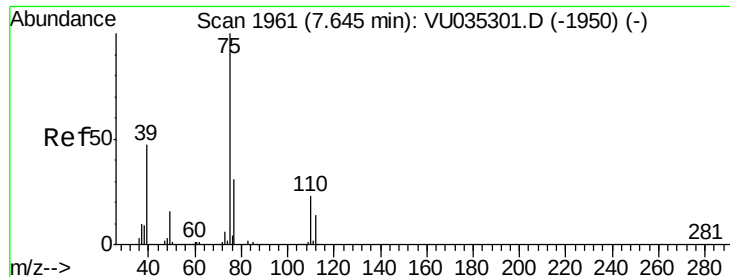
Tgt Ion: 63 Resp: 972874
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#38
 Bromodichloromethane
 Concen: 200.172 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion: 83 Resp: 1338784
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.3 84.1
 127 8.3 6.6 10.0

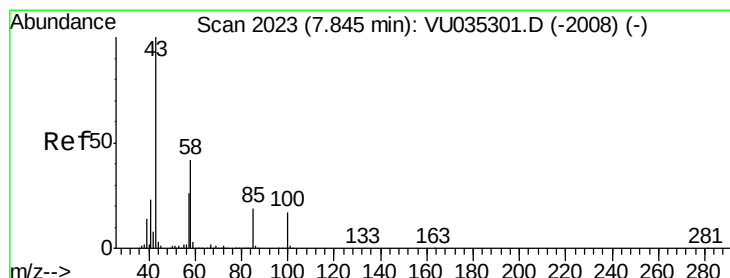
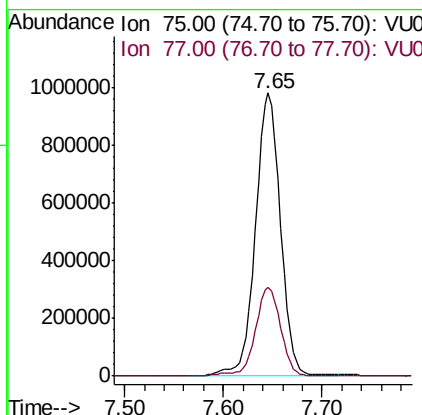
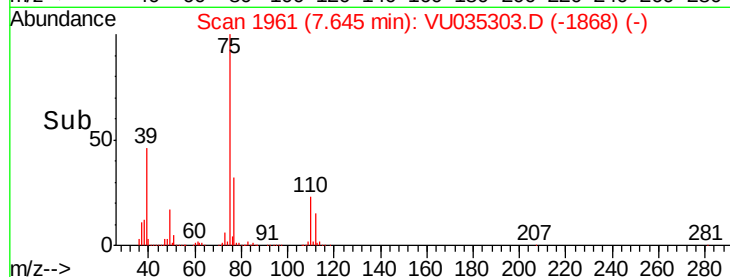
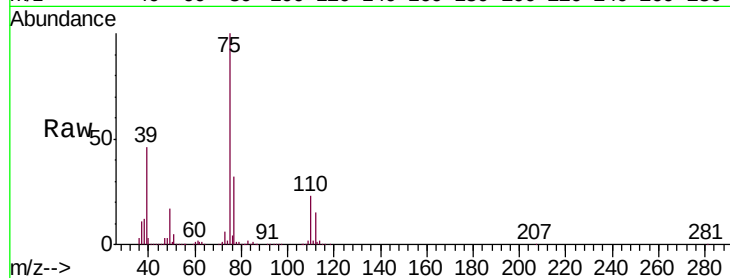




#39
 cis-1,3-Dichloropropene
 Concen: 210.675 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

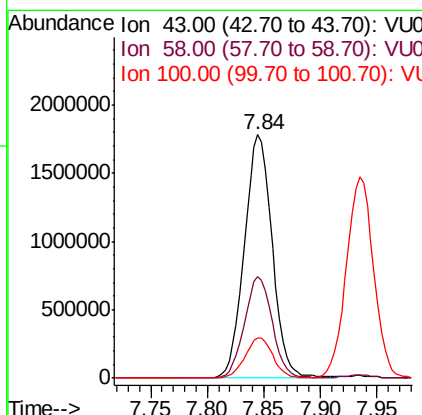
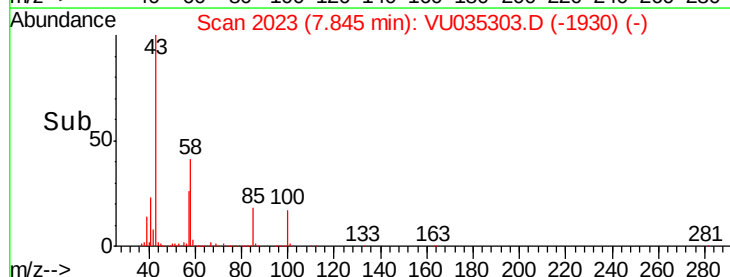
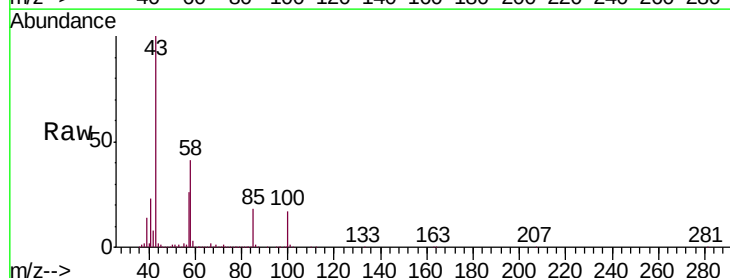
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD20032

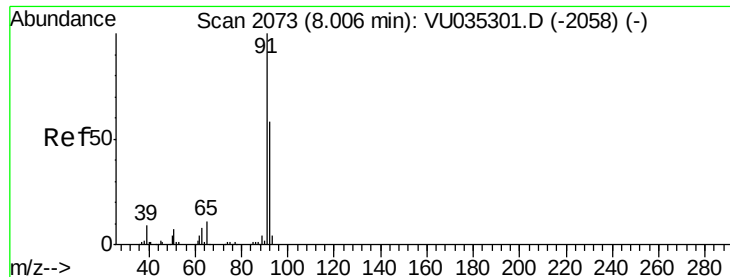
Tgt Ion: 75 Resp: 1718429
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 430.053 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion: 43 Resp: 3058453
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.1 49.7
 100 16.5 13.2 19.8





#42

Toluene

Concen: 196.434 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

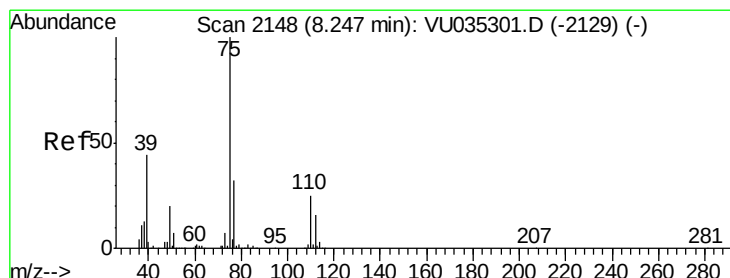
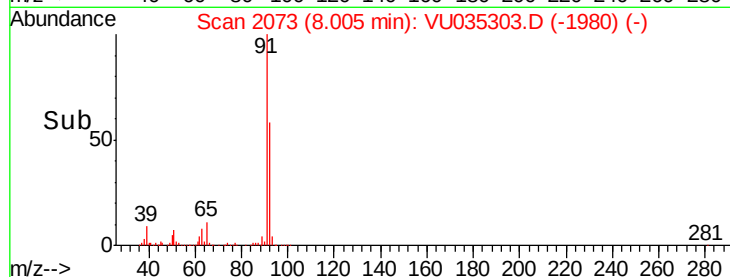
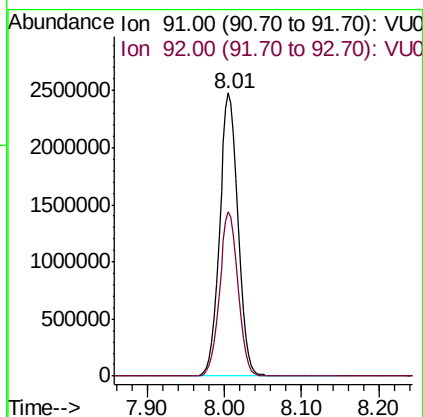
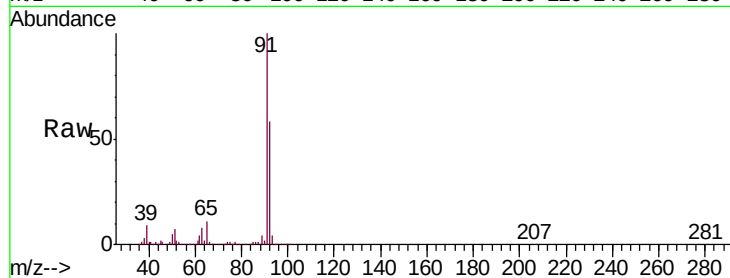
VSTD20032

Tgt Ion: 91 Resp: 4136669

Ion Ratio Lower Upper

91 100

92 58.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 207.220 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035303.D

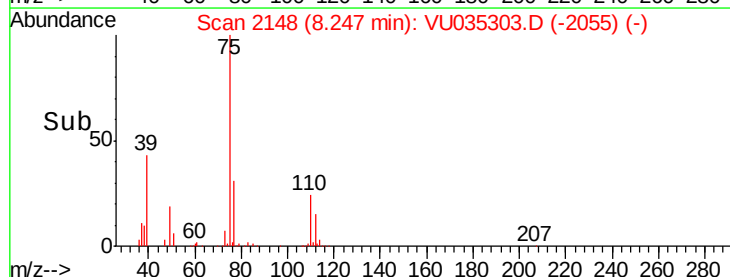
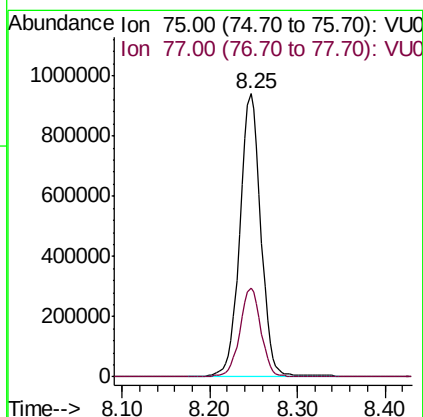
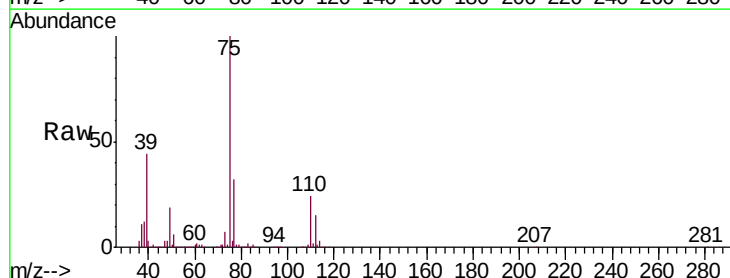
Acq: 19 Oct 2019 08:24

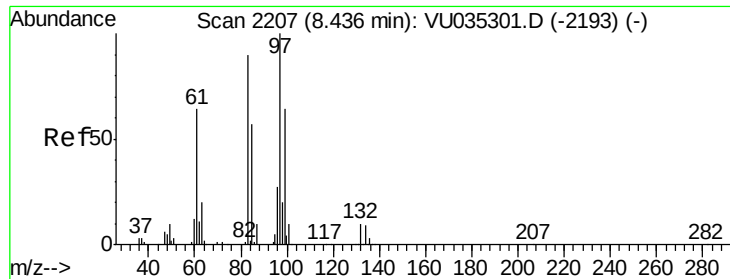
Tgt Ion: 75 Resp: 1575633

Ion Ratio Lower Upper

75 100

77 31.5 22.5 41.9

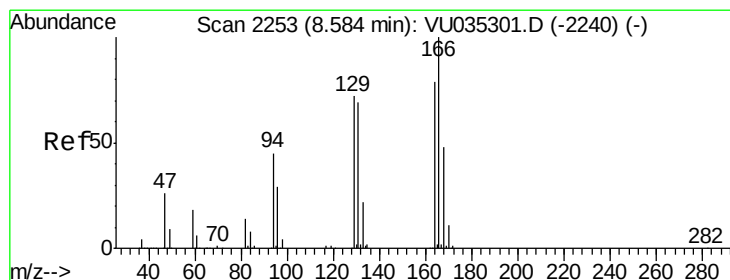
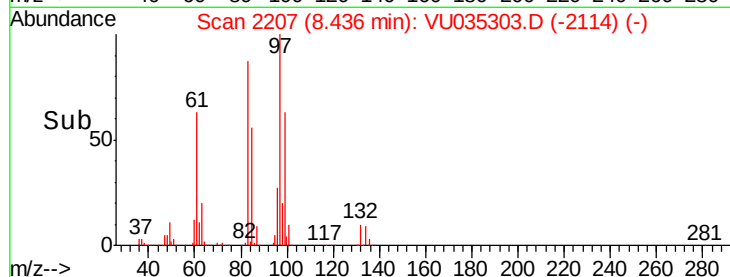
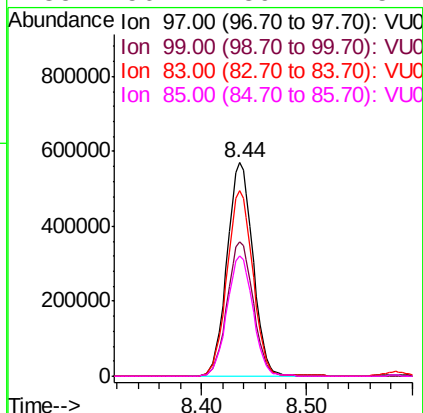
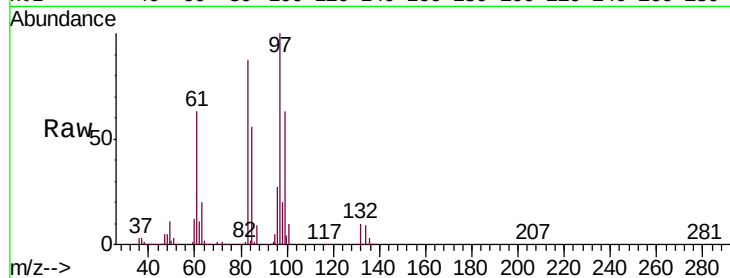




#45
 1,1,2-Trichloroethane
 Concen: 198.364 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

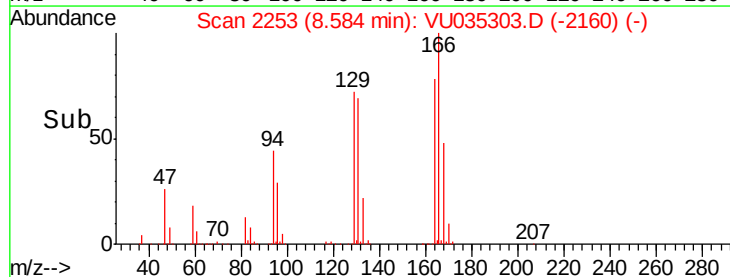
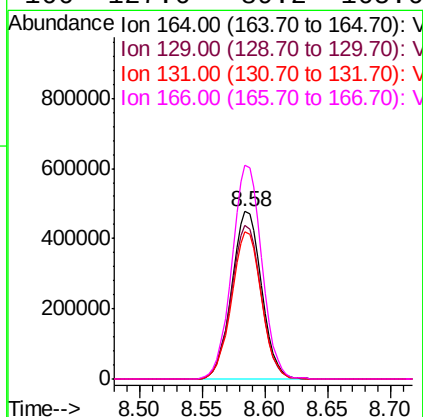
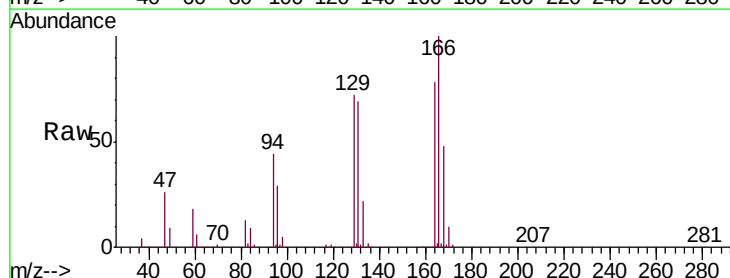
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

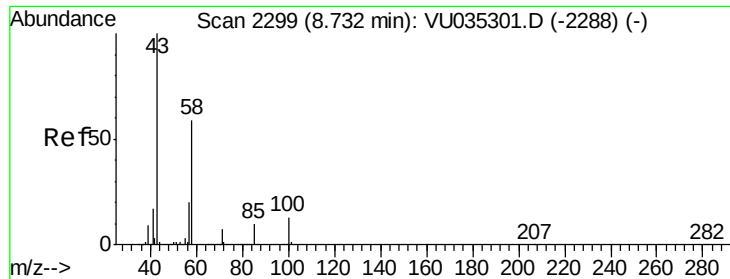
Tgt Ion:	97	Resp:	968853
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.5	82.7
83	87.2	63.0	117.0
85	56.2	39.7	73.7



#46
 Tetrachloroethene
 Concen: 197.076 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion:	164	Resp:	789676
Ion	Ratio	Lower	Upper
164	100		
129	91.4	64.0	119.0
131	87.7	61.8	114.8
166	127.6	89.2	165.6



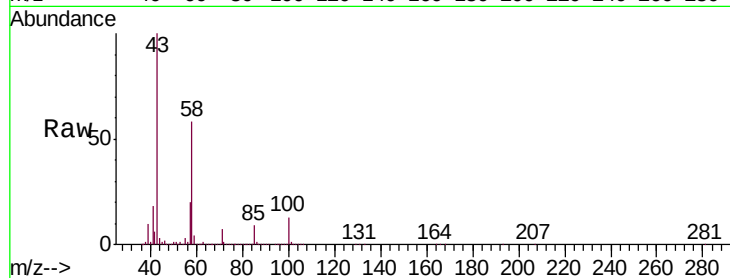


#48
2-Hexanone
Concen: 422.143 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

Tgt Ion: 43 Resp: 2487890

Ion	Ratio	Lower	Upper
43	100		
58	57.8	42.7	64.1
57	19.4	14.8	22.2
100	12.9	9.9	14.9

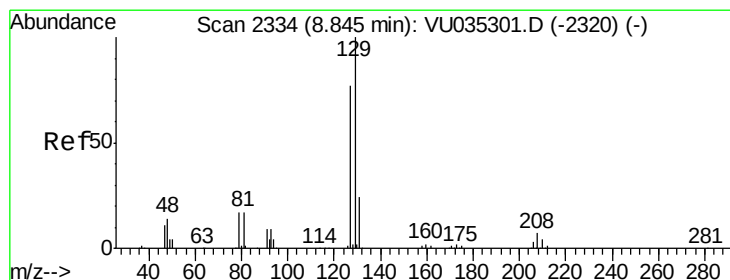
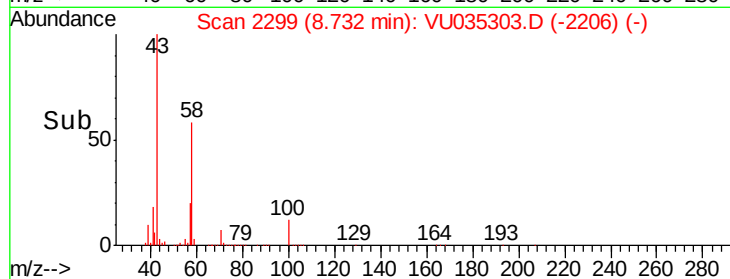
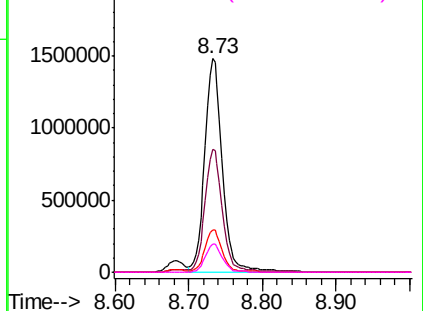


Abundance Ion 43.00 (42.70 to 43.70): VU035303.D (-2288) (-)

Ion 58.00 (57.70 to 58.70): VU035303.D (-2288) (-)

Ion 57.00 (56.70 to 57.70): VU035303.D (-2288) (-)

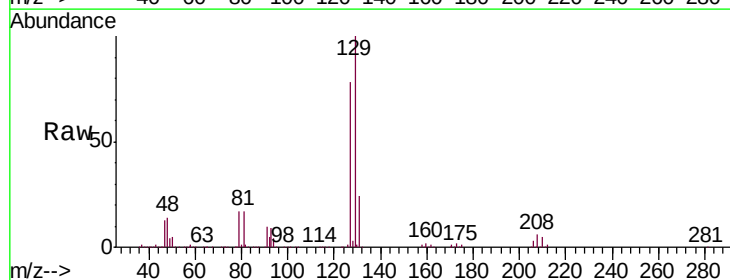
Ion 100.00 (99.70 to 100.70): VU035303.D (-2288) (-)



#49
Dibromochloromethane
Concen: 204.903 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

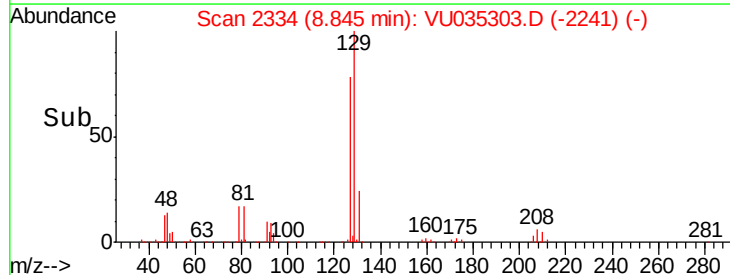
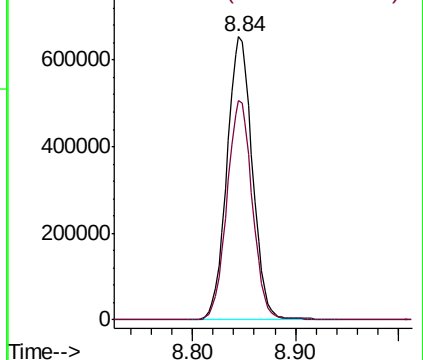
Tgt Ion: 129 Resp: 1130169

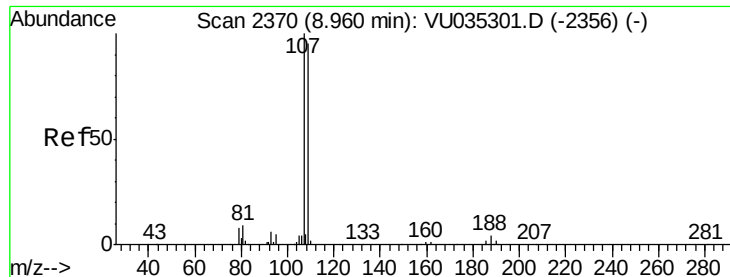
Ion	Ratio	Lower	Upper
129	100		
127	77.6	54.0	100.4



Abundance Ion 129.00 (128.70 to 129.70): VU035303.D (-2320) (-)

Ion 127.00 (126.70 to 127.70): VU035303.D (-2320) (-)

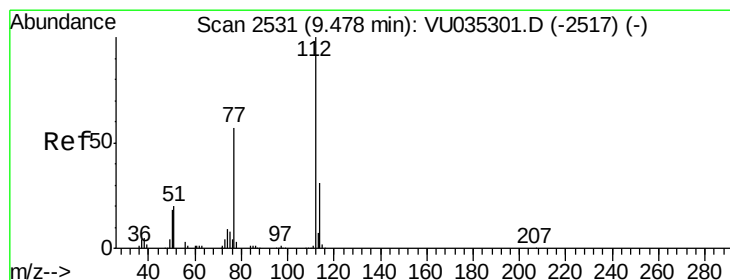
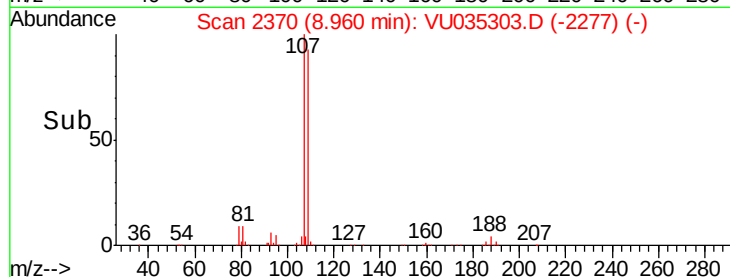
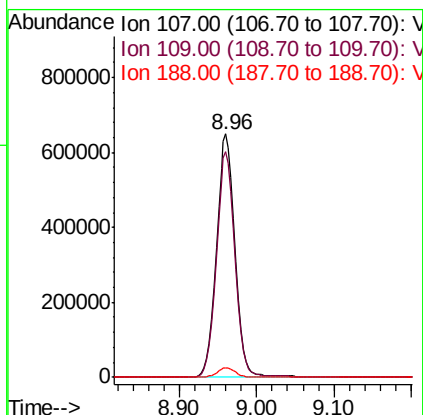
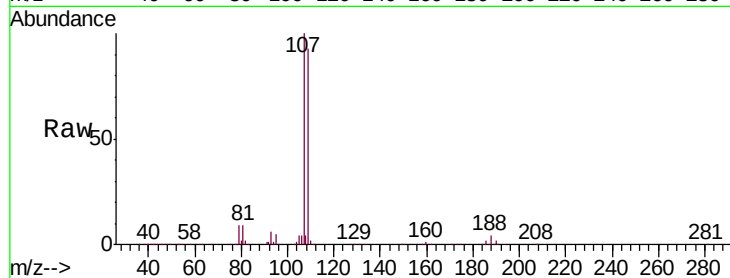




#50
1,2-Dibromoethane
Concen: 202.983 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

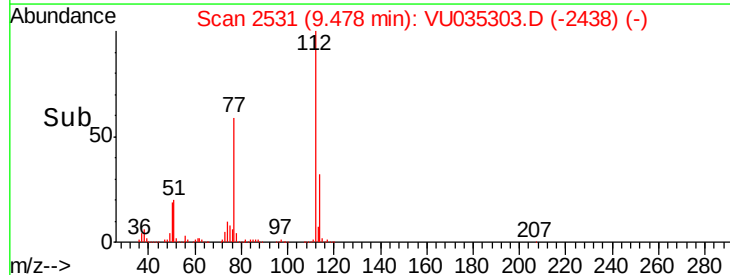
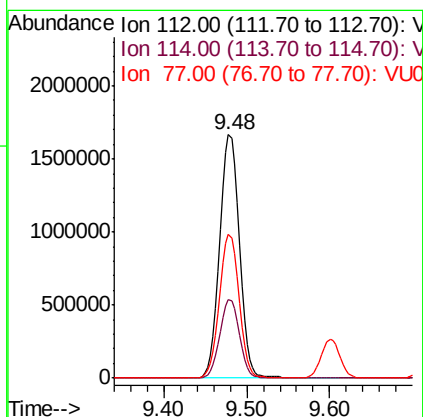
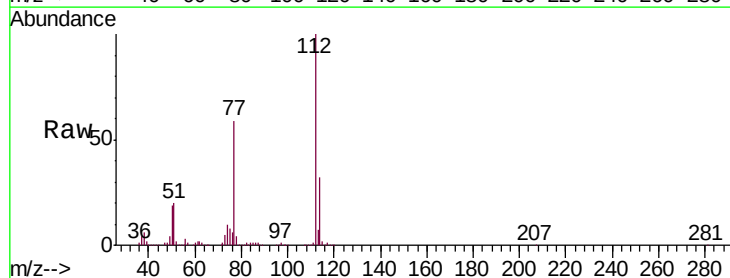
Instrument :
MSVOA_U
ClientSampleId :
VSTD20032

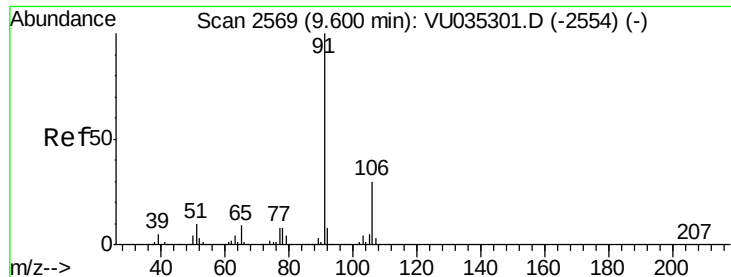
Tgt Ion:107 Resp: 1100033
Ion Ratio Lower Upper
107 100
109 92.7 66.8 124.2
188 3.8 3.4 5.2



#51
Chlorobenzene
Concen: 201.952 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035303.D
Acq: 19 Oct 2019 08:24

Tgt Ion:112 Resp: 2737464
Ion Ratio Lower Upper
112 100
114 32.0 21.9 40.7
77 59.1 46.2 69.2





#52

Ethylbenzene

Concen: 206.370 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

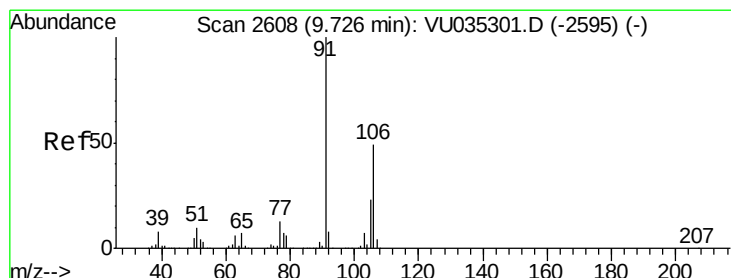
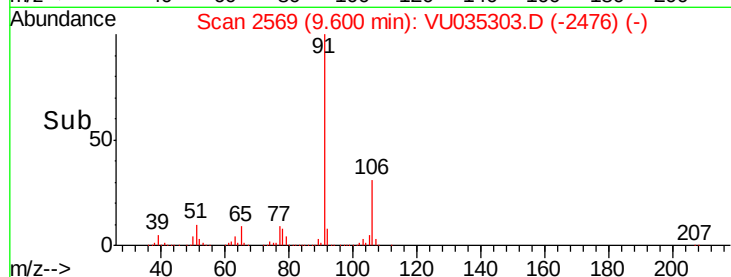
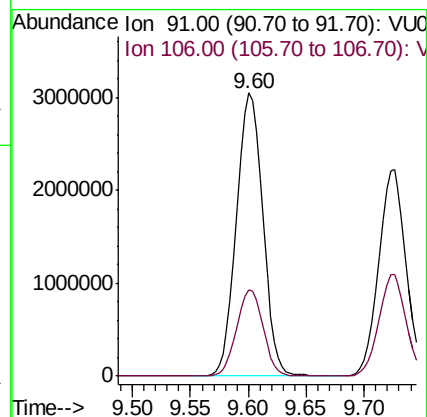
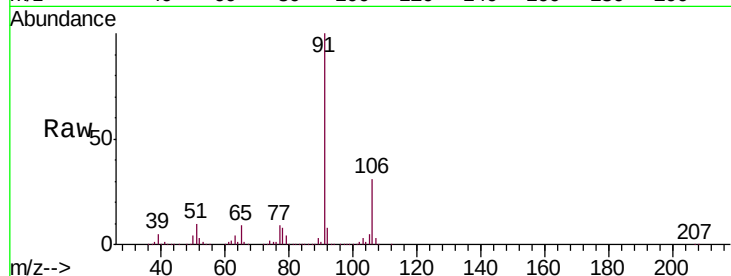
VSTD20032

Tgt Ion: 91 Resp: 4802646

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 211.302 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035303.D

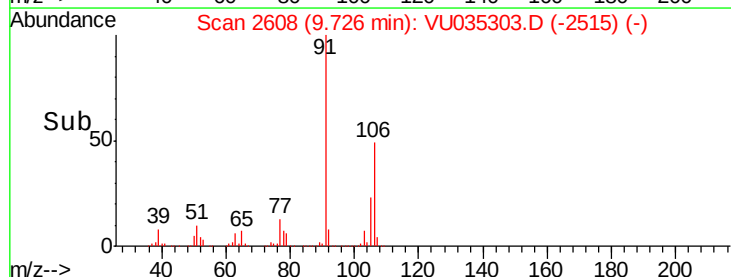
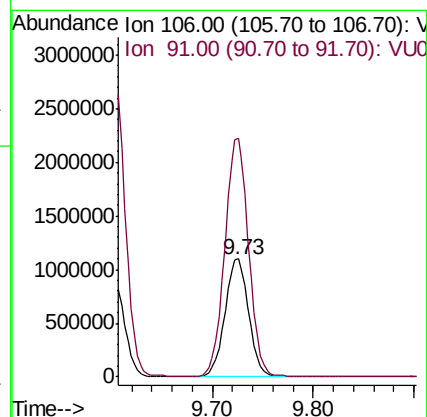
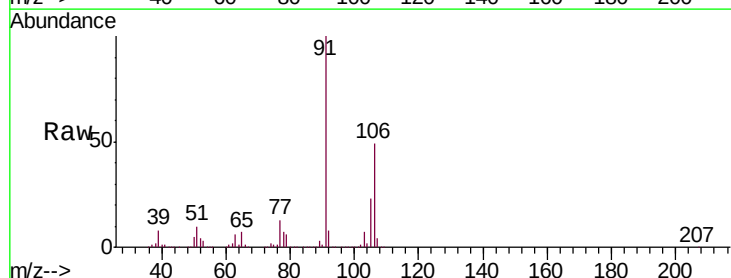
Acq: 19 Oct 2019 08:24

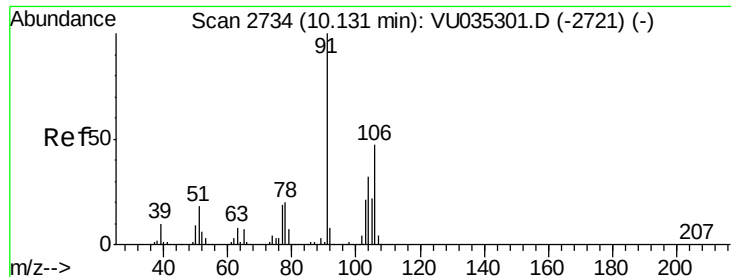
Tgt Ion: 106 Resp: 1805123

Ion Ratio Lower Upper

106 100

91 202.8 141.5 262.9





#54

o-xylene

Concen: 208.036 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

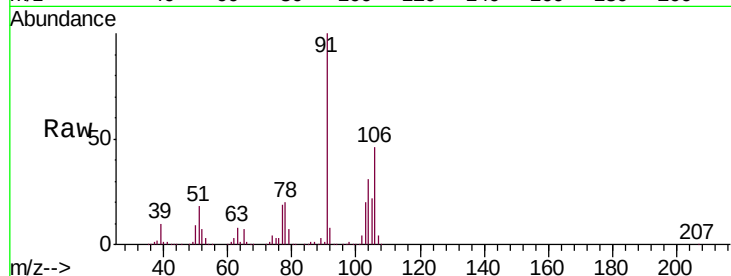
VSTD20032

Tgt Ion:106 Resp: 1801508

Ion Ratio Lower Upper

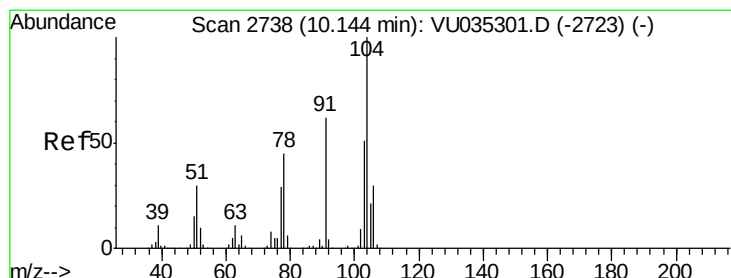
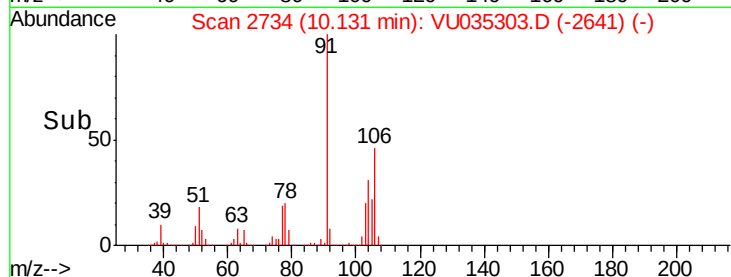
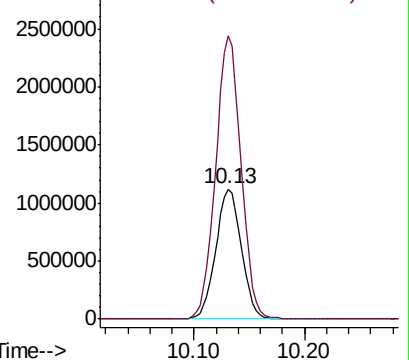
106 100

91 217.6 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 216.879 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035303.D

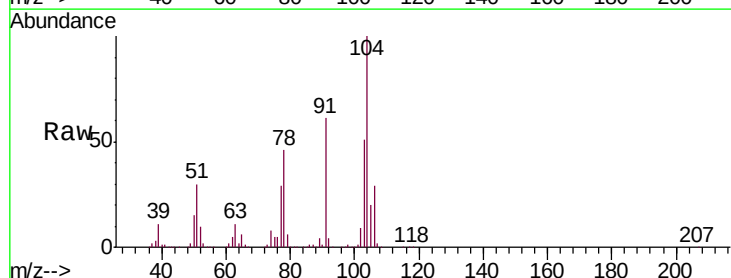
Acq: 19 Oct 2019 08:24

Tgt Ion:104 Resp: 3119434

Ion Ratio Lower Upper

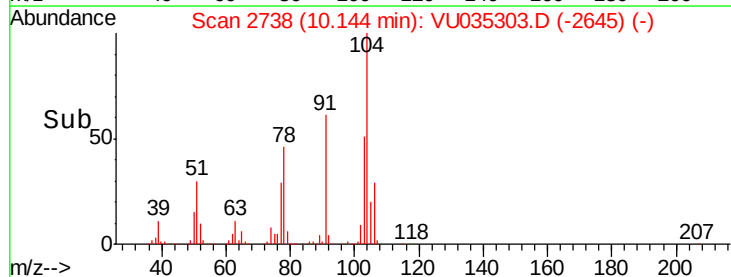
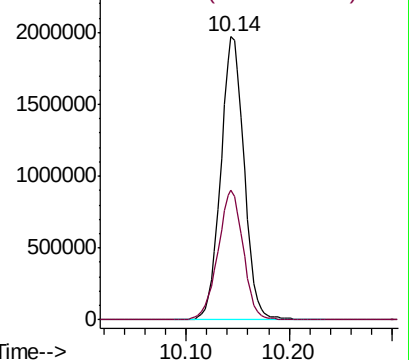
104 100

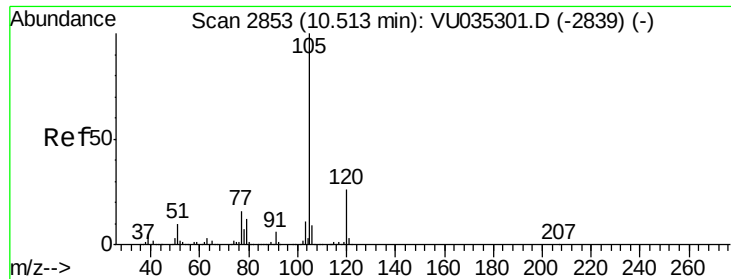
78 45.8 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 212.643 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

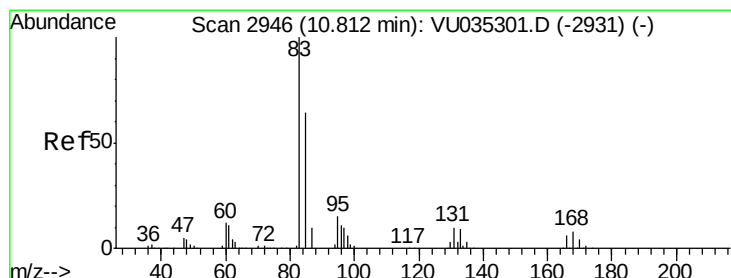
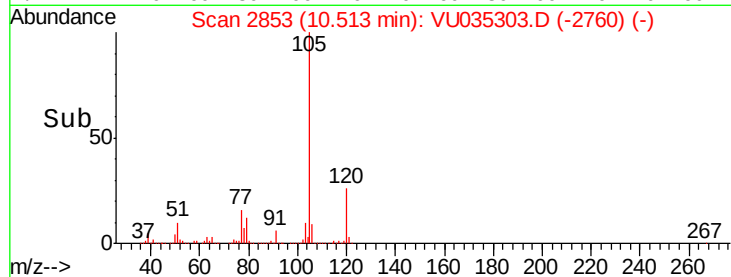
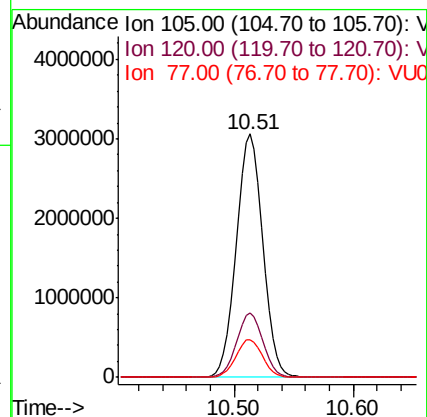
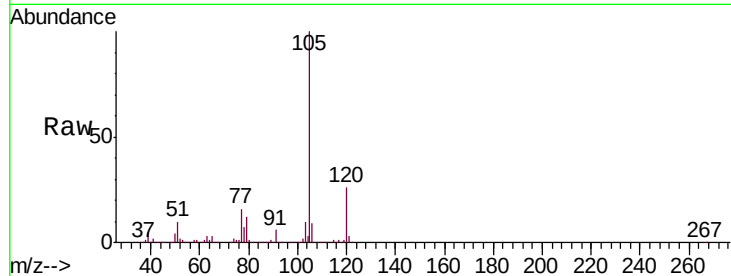
Tgt Ion:105 Resp: 4721565

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

77 15.7 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 207.773 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

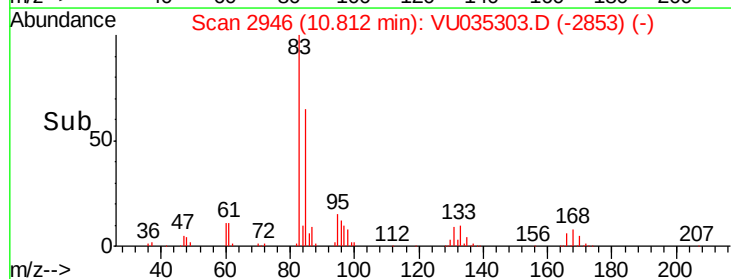
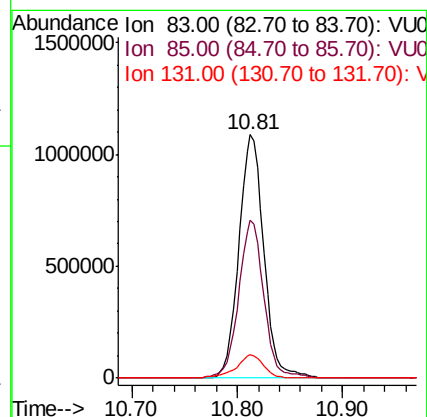
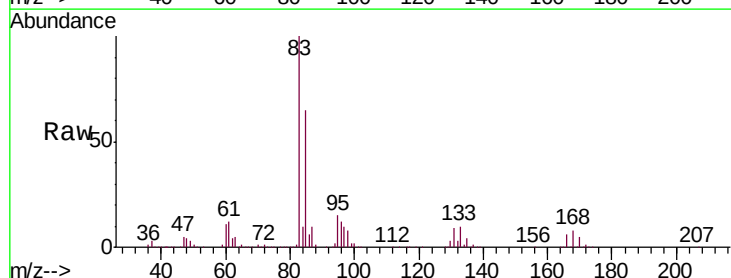
Tgt Ion: 83 Resp: 1779497

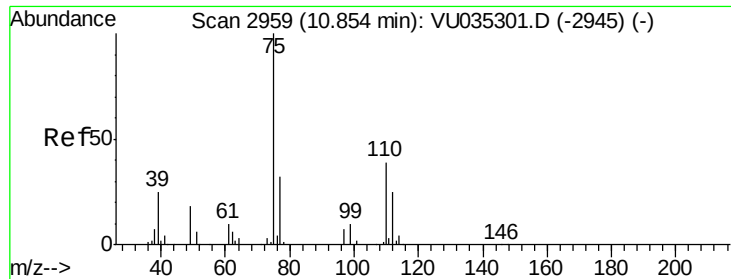
Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

131 9.5 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 208.161 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

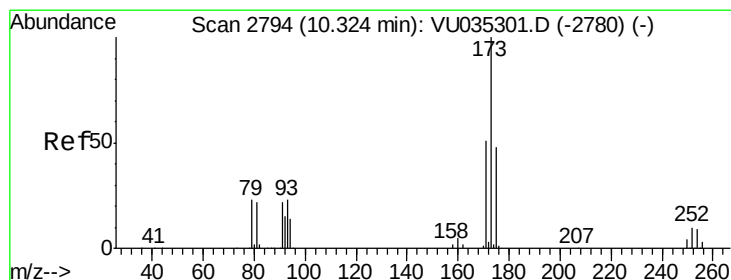
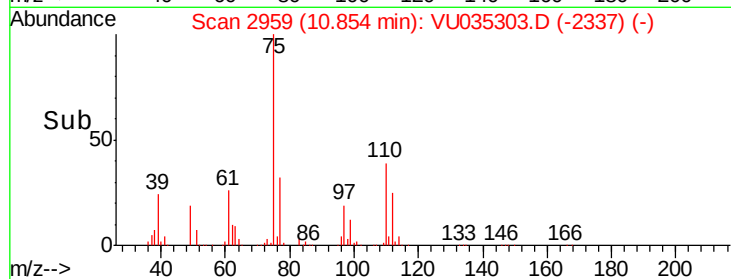
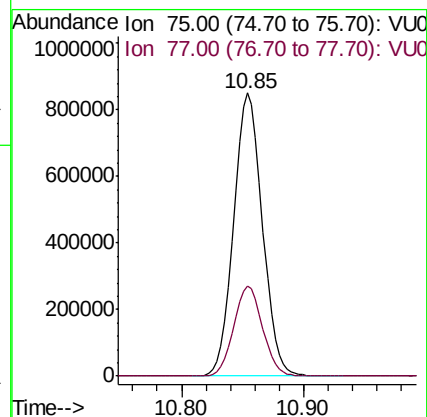
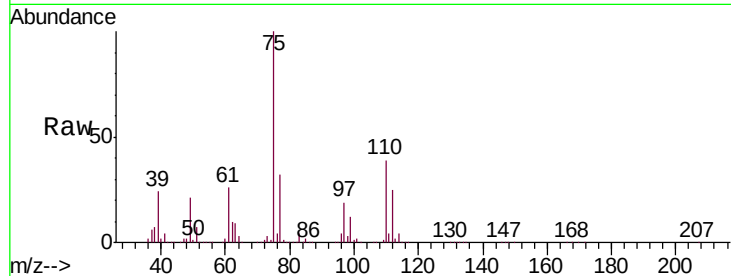
VSTD20032

Tgt Ion: 75 Resp: 1393010

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2



#61

Bromoform

Concen: 195.942 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

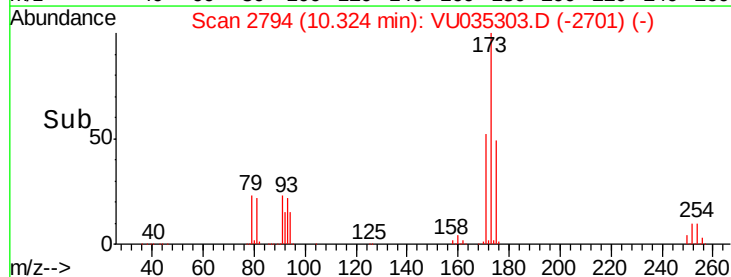
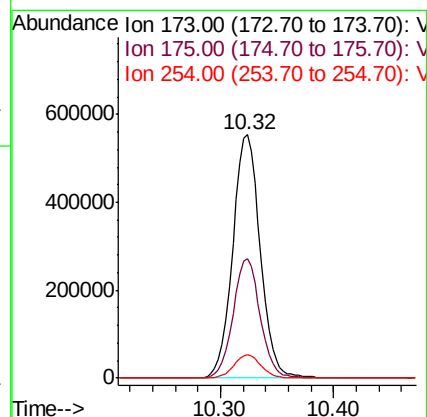
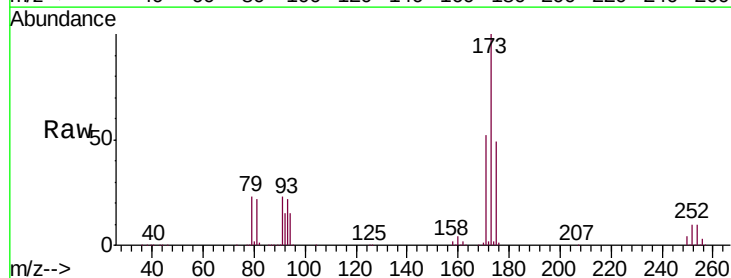
Tgt Ion: 173 Resp: 934805

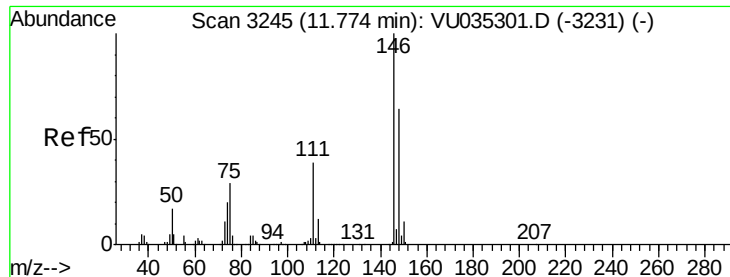
Ion Ratio Lower Upper

173 100

175 48.5 38.9 58.3

254 9.6 7.6 11.4

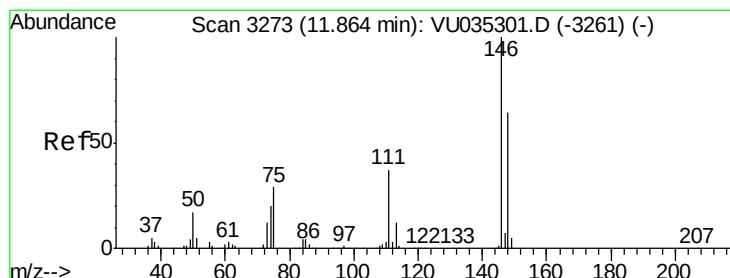
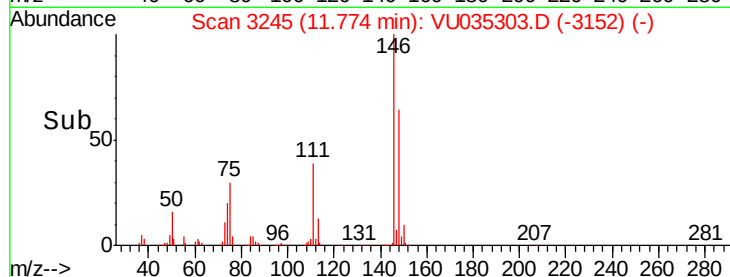
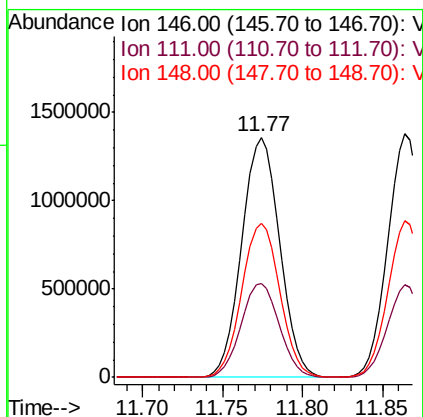
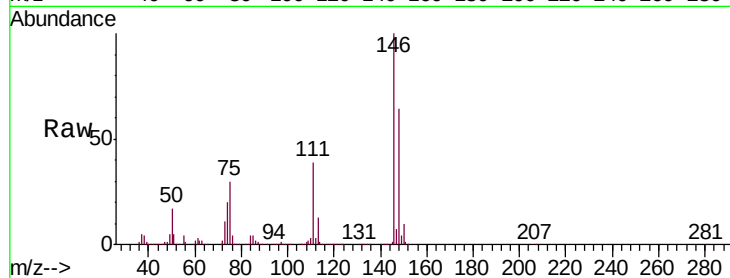




#62
 1,3-Dichlorobenzene
 Concen: 200.357 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

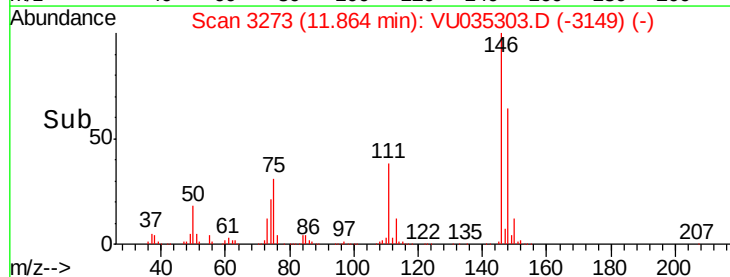
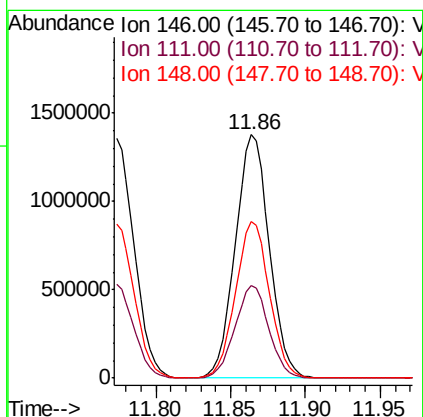
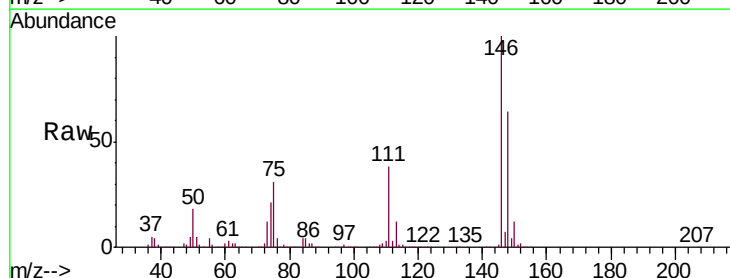
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

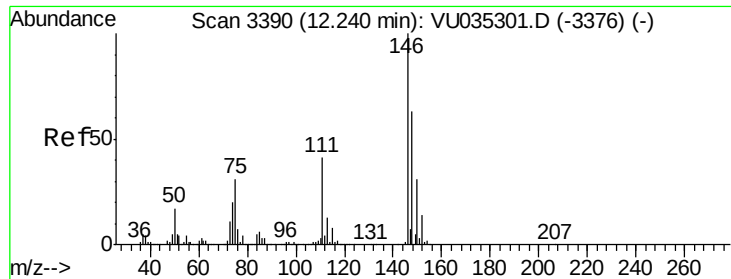
Tgt Ion:146 Resp: 2196783
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.3 50.7
 148 64.5 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 202.630 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion:146 Resp: 2179158
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.2 48.8
 148 64.2 44.5 82.7

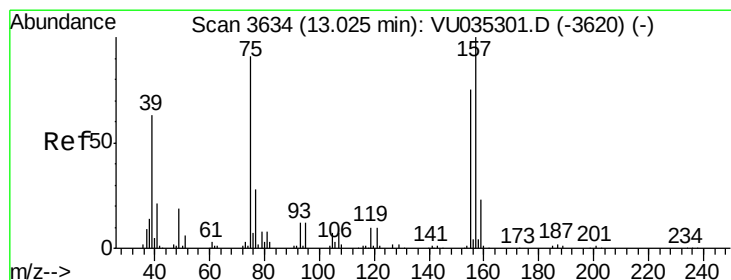
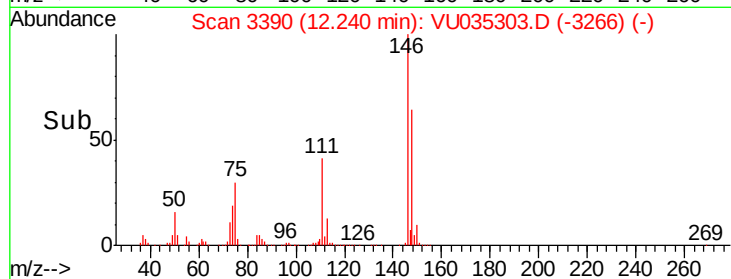
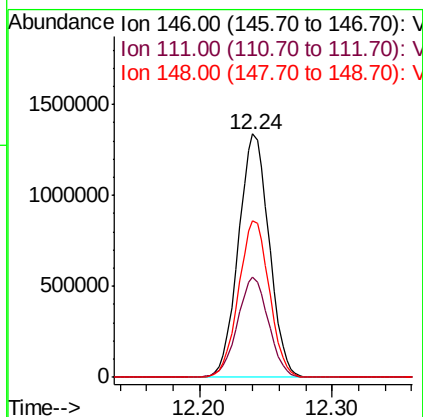
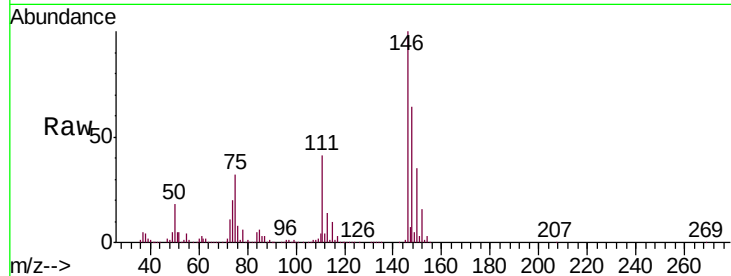




#65
 1,2-Dichlorobenzene
 Concen: 196.086 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

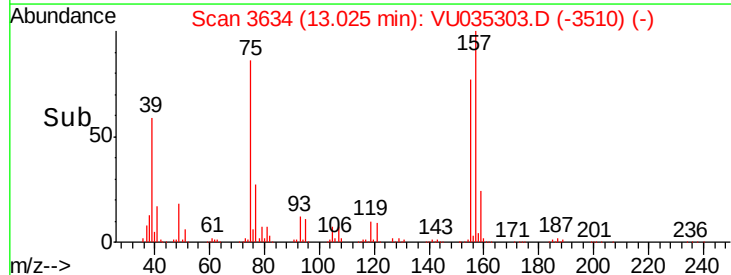
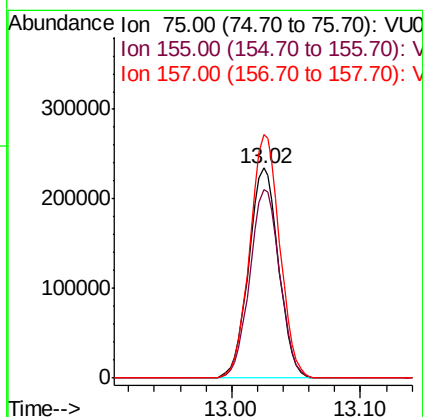
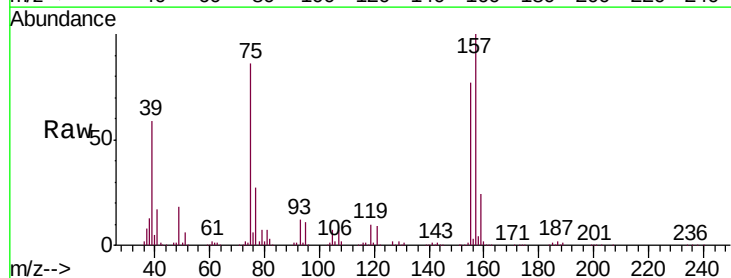
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD20032

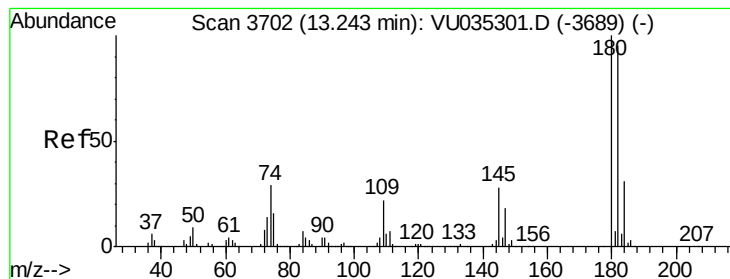
Tgt Ion:146 Resp: 2146234
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.8 49.2
 148 64.4 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 218.008 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035303.D
 Acq: 19 Oct 2019 08:24

Tgt Ion: 75 Resp: 378488
 Ion Ratio Lower Upper
 75 100
 155 89.7 66.2 99.2
 157 116.0 88.2 132.2





#67

1,3,5-Trichlorobenzene

Concen: 228.170 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

Tgt Ion:180 Resp: 1415709

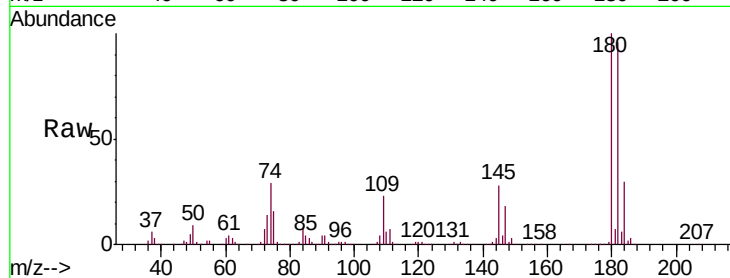
Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

184 30.5 24.5 36.7

145 28.1 22.2 33.4

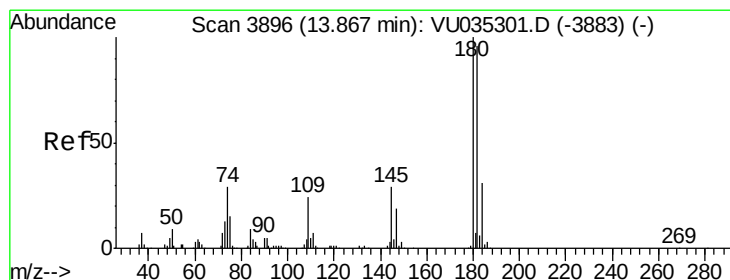
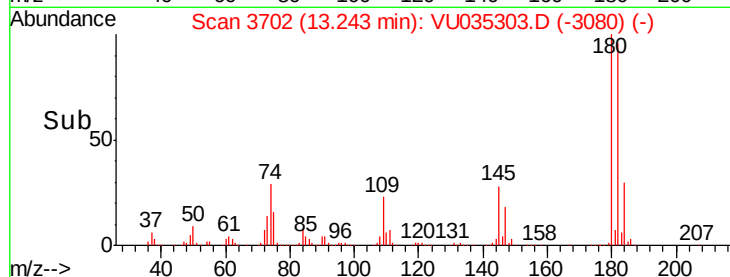
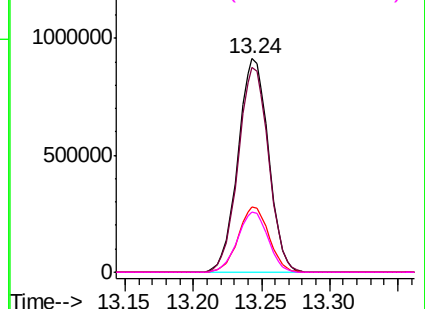


Abundance Ion 180.00 (179.70 to 180.70): V

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: 288.020 ug/L

RT: 13.86 min Scan# 3895

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

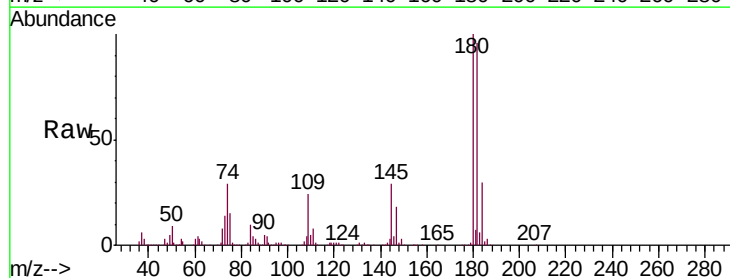
Tgt Ion:180 Resp: 1136123

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

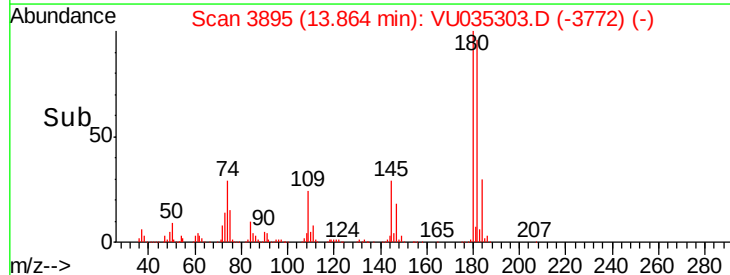
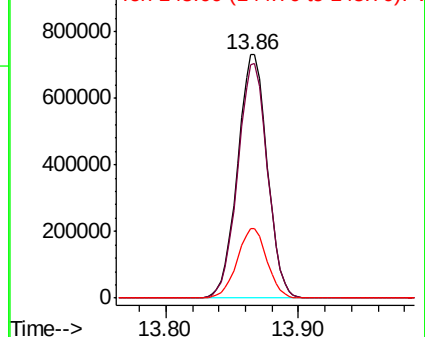
145 28.5 22.8 34.2

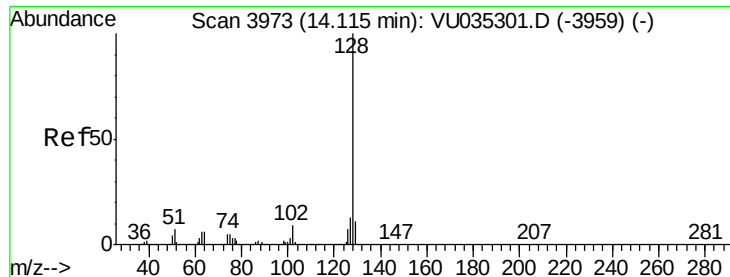


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 347.829 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD20032

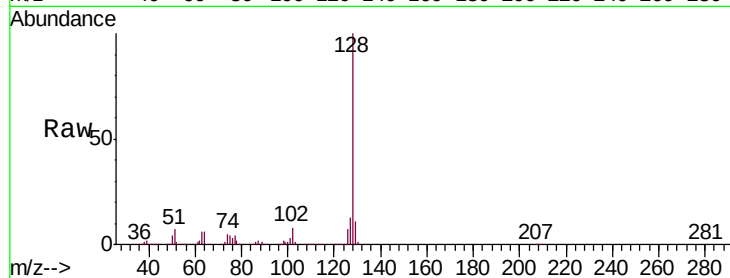
Tgt Ion:128 Resp: 3426661

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

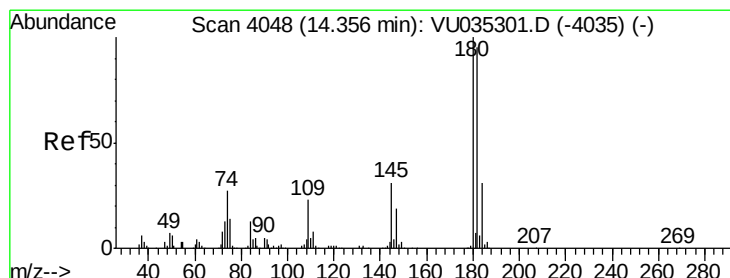
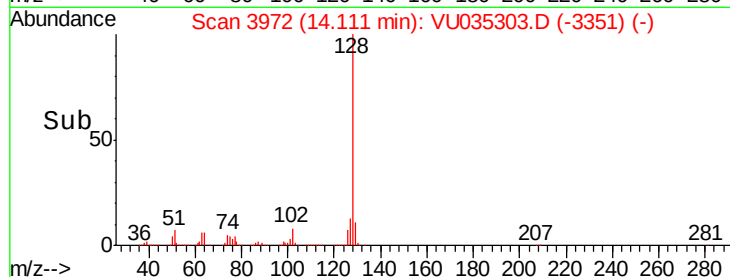
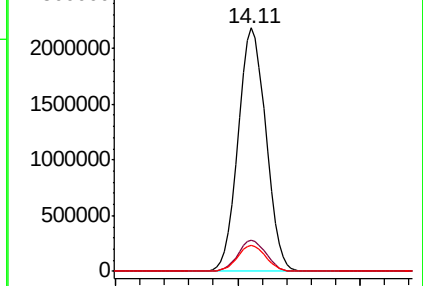
129 10.8 8.6 13.0



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: 259.935 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035303.D

Acq: 19 Oct 2019 08:24

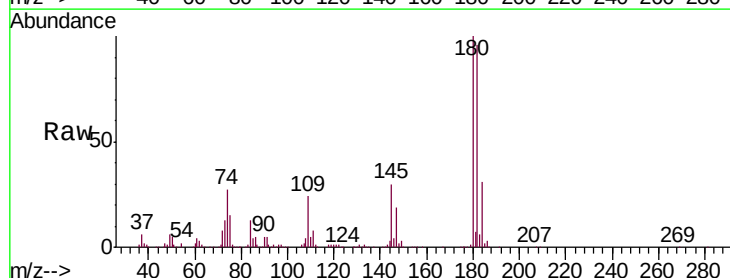
Tgt Ion:180 Resp: 1082097

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

145 30.4 24.2 36.4



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

