

Data File : VU035299.D
Acq On : 19 Oct 2019 06:51
Operator : JC/SP
Sample : VSTD00534
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Quant Time: Oct 21 04:47:54 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	627883	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	604263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	217690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	26147	4.82	ug/L	0.00
7) Chloroethane-d5	1.94	69	21767	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	53035	5.94	ug/L	0.00
21) 2-Butanone-d5	4.70	46	29523	8.32	ug/L	0.00
24) Chloroform-d	5.11	84	44728	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	27247	4.80	ug/L	0.00
32) Benzene-d6	5.77	84	85730	4.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	26416	4.72	ug/L	0.00
41) Toluene-d8	7.93	98	79084	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	13032	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	17231	7.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	37480	4.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	24476	5.18	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	51691	10.211	ug/L	100
3) Chloromethane	1.54	50	51430	10.058	ug/L	97
5) Vinyl chloride	1.62	62	52723	9.946	ug/L	96
6) Bromomethane	1.88	94	30279	9.796	ug/L	99
8) Chloroethane	1.96	64	33418	10.247	ug/L	95
9) Trichlorofluoromethane	2.16	101	69380	10.322	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39837	10.009	ug/L	98
13) Acetone	2.67	43	69161	21.430	ug/L	98
14) Carbon disulfide	2.83	76	115456	9.918	ug/L	100
15) Methyl Acetate	3.00	43	44201	9.536	ug/L	99
16) Methylene chloride	3.09	84	44254	9.826	ug/L	98
17) trans-1,2-Dichloroethene	3.40	96	40367	9.870	ug/L	94
18) Methyl tert-butyl Ether	3.42	73	125155	9.548	ug/L	99
19) 1,1-Dichloroethane	3.92	63	76910	9.792	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	45166	9.768	ug/L	98
22) 2-Butanone	4.78	43	73328	18.869	ug/L	99
23) Bromochloromethane	5.03	128	22076	9.497	ug/L	98
25) Chloroform	5.14	83	77116	9.600	ug/L	99
27) 1,2-Dichloroethane	5.84	62	63408	10.080	ug/L	98
29) Cyclohexane	5.43	56	66356	9.768	ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	66016	9.947	ug/L	100
31) Carbon tetrachloride	5.57	117	58690	10.097	ug/L	98
33) Benzene	5.82	78	168331	9.749	ug/L	100
34) Trichloroethene	6.58	95	44152	9.984	ug/L	98
35) Methylcyclohexane	6.80	83	64474	9.481	ug/L	96
37) 1,2-Dichloropropane	6.84	63	45373	10.143	ug/L	99
38) Bromodichloromethane	7.15	83	59886	10.094	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	67954	9.392	ug/L	100
40) 4-Methyl-2-pentanone	7.85	43	119008	18.865	ug/L	97
42) Toluene	8.01	91	181677	9.726	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.25	75	60827	9.018	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	43171	9.964	ug/L	98
46) Tetrachloroethene	8.58	164	36034	10.138	ug/L	98
48) 2-Hexanone	8.75	43	94273	18.033	ug/L	98
49) Dibromochloromethane	8.84	129	46104	9.423	ug/L	95
50) 1,2-Dibromoethane	8.96	107	45306	9.425	ug/L	100
51) Chlorobenzene	9.48	112	118016	9.815	ug/L	98
52) Ethylbenzene	9.60	91	197097	9.548	ug/L	99
53) m,p-Xylene	9.73	106	72236	9.532	ug/L	97
54) o-xylene	10.13	106	70872	9.226	ug/L	100
55) Styrene	10.15	104	107566	8.431	ug/L	97
56) Isopropylbenzene	10.51	105	180770	9.178	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	72000	9.477	ug/L	97
59) 1,2,3-Trichloropropane	10.86	75	56062	9.444	ug/L	98
61) Bromoform	10.32	173	34301	11.419	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	69891	10.124	ug/L	98
63) 1,4-Dichlorobenzene	11.87	146	70315	10.384	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	70565	10.239	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	9888	9.046	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	30325	7.762	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	13054	5.256	ug/L	99
69) Naphthalene	14.11	128	36003	5.804	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	13553	5.171	ug/L	96

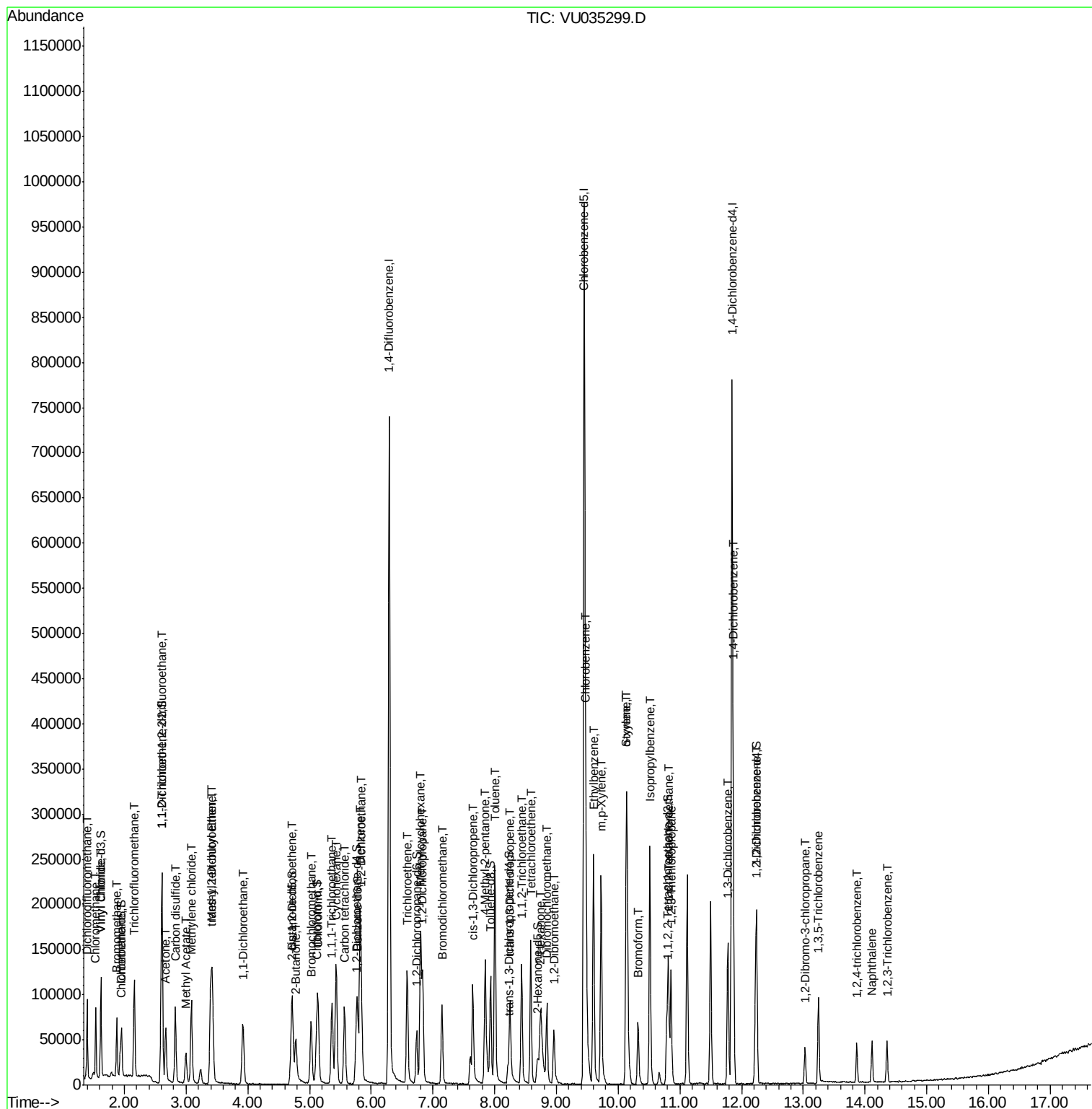
(#) = qualifier out of range (m) = manual integration (+) = signals summed

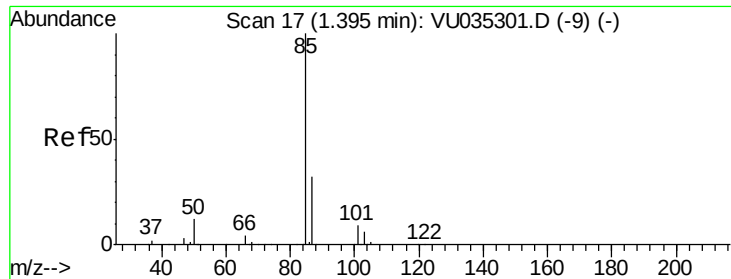
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#2

Dichlorodifluoromethane

Concen: 10.211 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035299.D

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Instrument :

MSVOA_U

ClientSampleId :

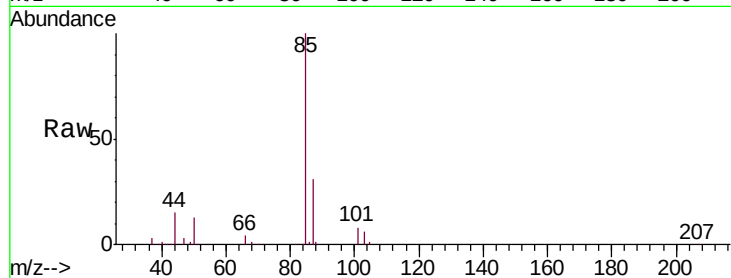
VSTD00534

Tgt Ion: 85 Resp: 51691

Ion Ratio Lower Upper

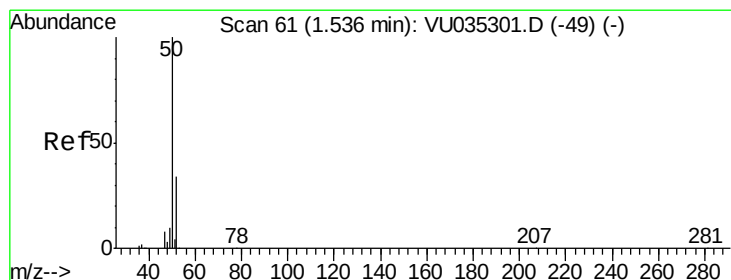
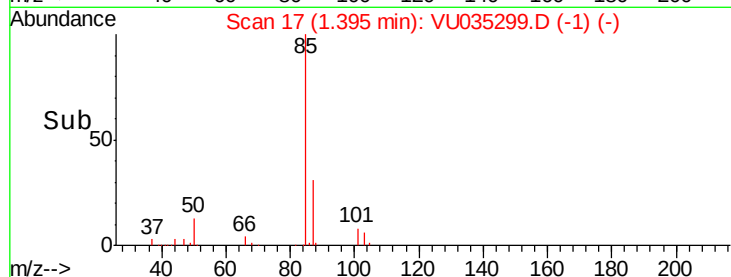
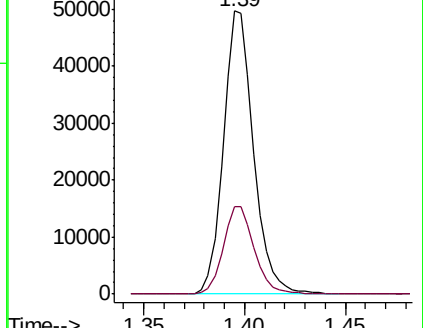
85 100

87 31.8 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035301.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035301.D (-9) (-)



#3

Chloromethane

Concen: 10.058 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035299.D

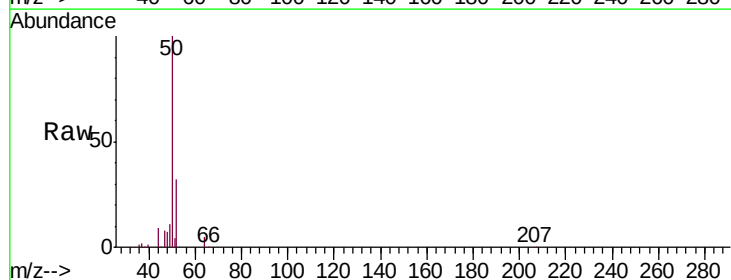
Acq: 19 Oct 2019 06:51

Tgt Ion: 50 Resp: 51430

Ion Ratio Lower Upper

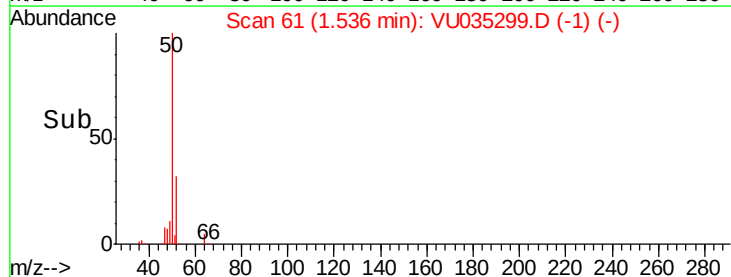
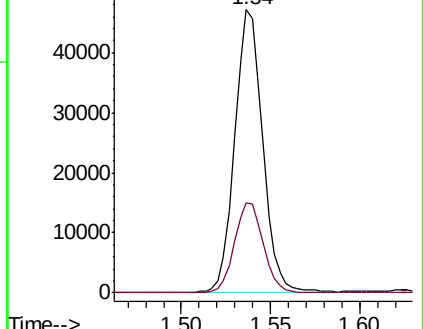
50 100

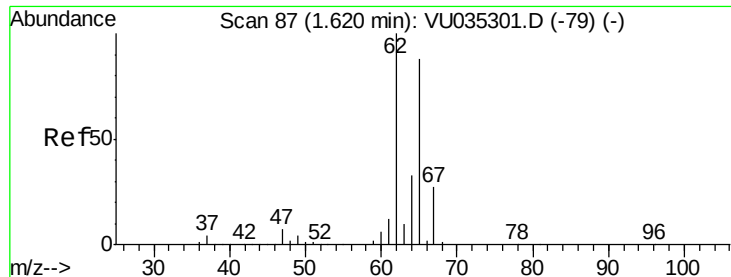
52 32.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU035301.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU035301.D (-49) (-)





#5

Vinyl chloride

Concen: 9.946 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

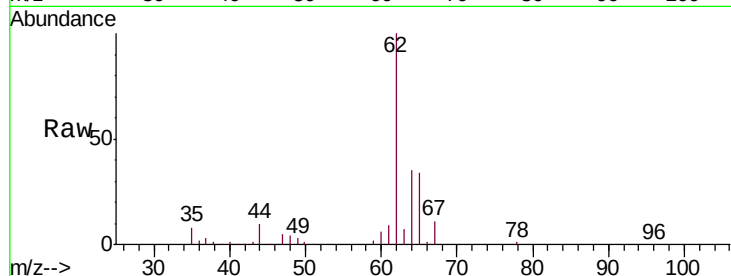
VSTD00534

Tgt Ion: 62 Resp: 52723

Ion Ratio Lower Upper

62 100

64 35.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU035301.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU035301.D (-79) (-)

1.62

50000

40000

30000

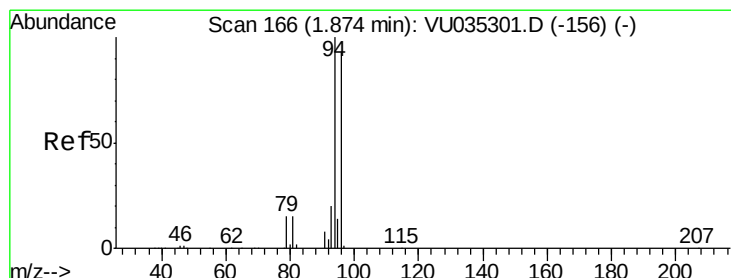
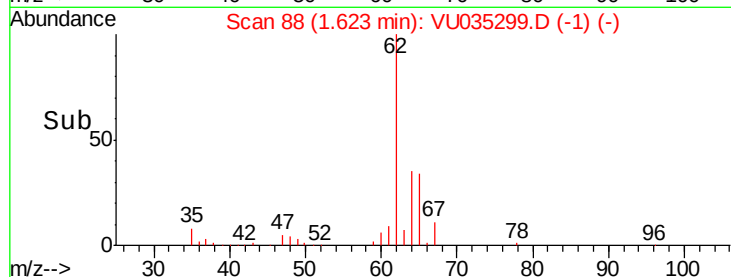
20000

10000

0

1.60 1.65

Time-->



#6

Bromomethane

Concen: 9.796 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035299.D

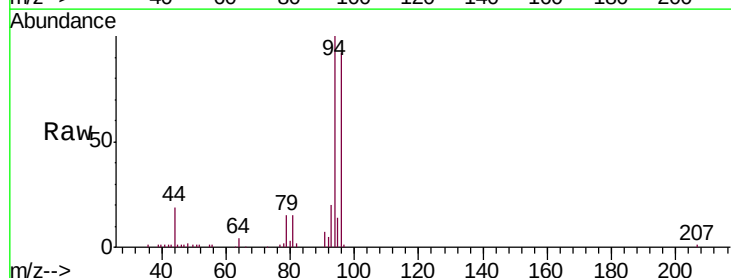
Acq: 19 Oct 2019 06:51

Tgt Ion: 94 Resp: 30279

Ion Ratio Lower Upper

94 100

96 91.6 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VU035301.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035301.D (-156) (-)

1.88

25000

20000

15000

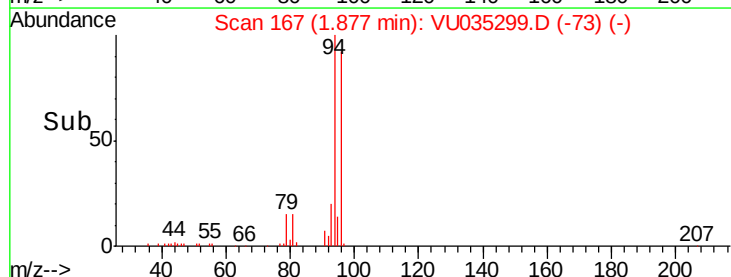
10000

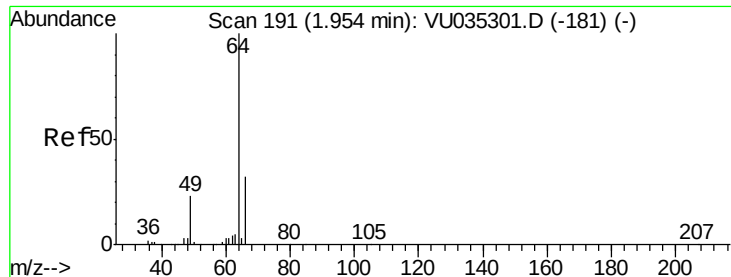
5000

0

1.80 1.85 1.90 1.95

Time-->





#8

Chloroethane

Concen: 10.247 ug/L

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

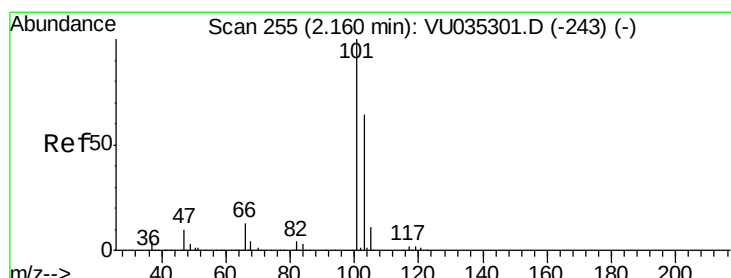
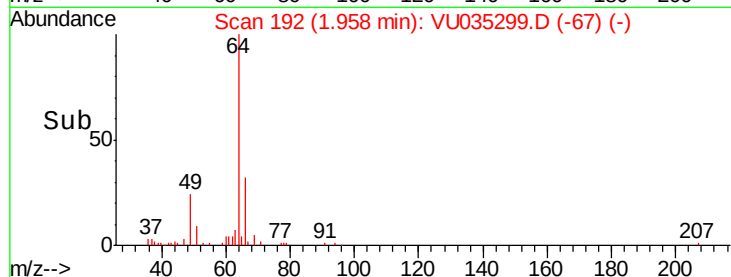
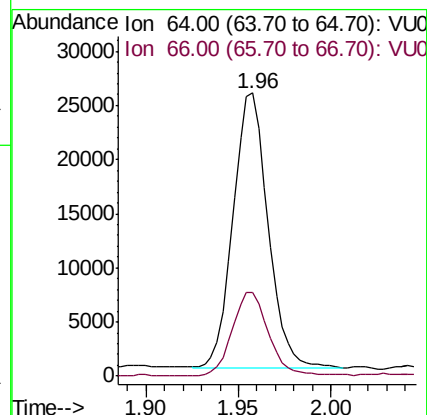
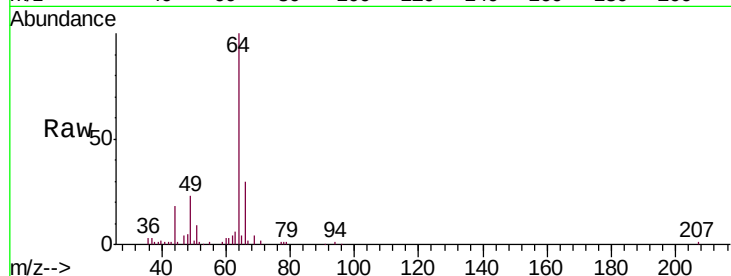
VSTD00534

Tgt Ion: 64 Resp: 33418

Ion Ratio Lower Upper

64 100

66 29.5 22.5 41.9



#9

Trichlorofluoromethane

Concen: 10.322 ug/L

RT: 2.16 min Scan# 256

Delta R.T. 0.00 min

Lab File: VU035299.D

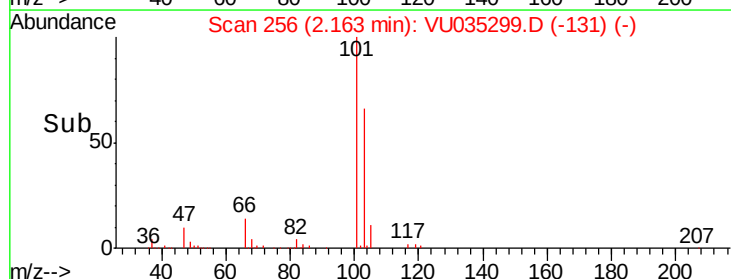
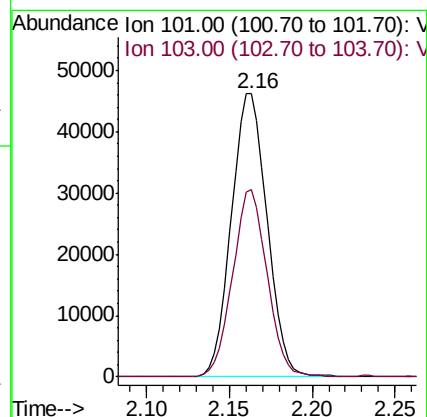
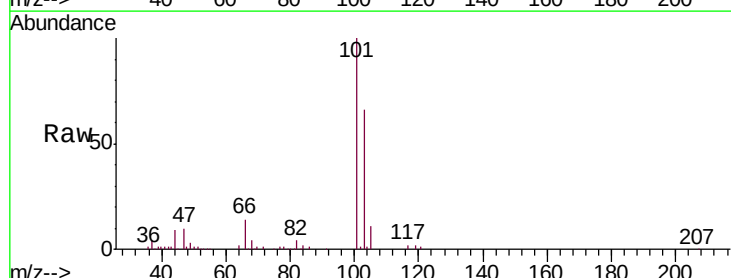
Acq: 19 Oct 2019 06:51

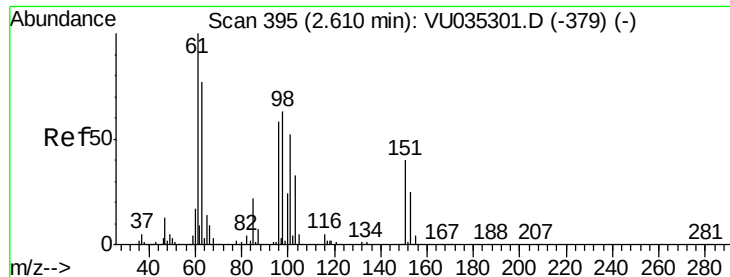
Tgt Ion: 101 Resp: 69380

Ion Ratio Lower Upper

101 100

103 63.8 51.4 77.0





#10

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

Concen: 10.009 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

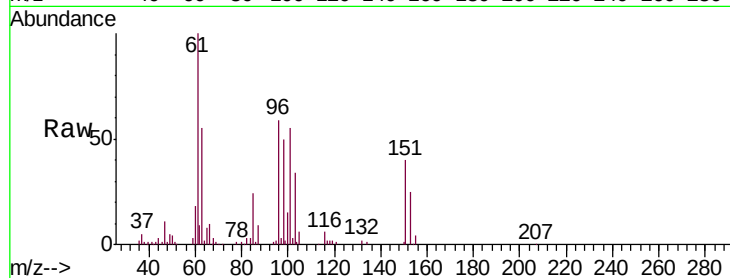
Tgt Ion:101 Resp: 39837

Ion Ratio Lower Upper

101 100

85 45.1 33.7 50.5

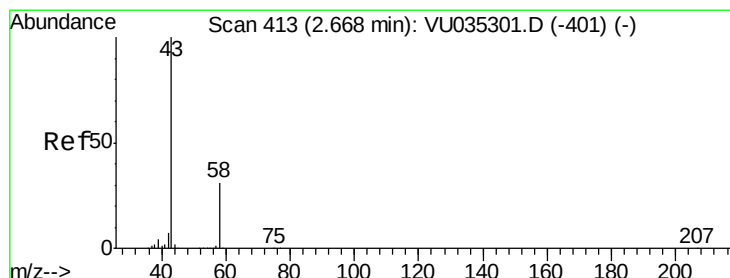
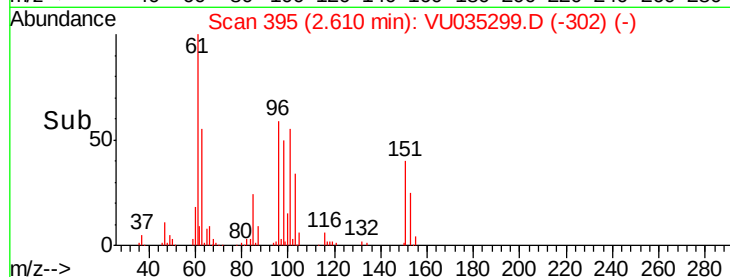
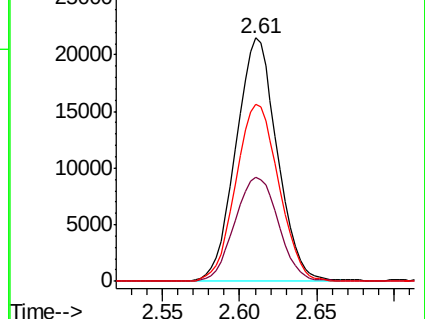
151 75.5 60.3 90.5



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



#13

Acetone

Concen: 21.430 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035299.D

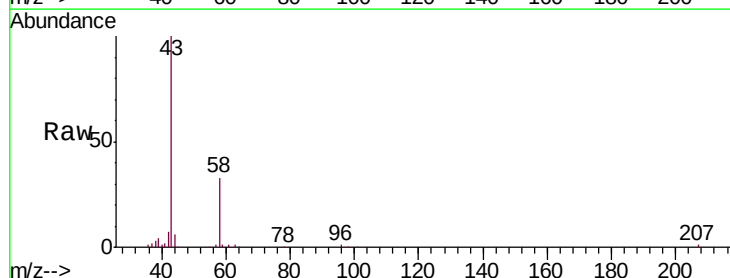
Acq: 19 Oct 2019 06:51

Tgt Ion: 43 Resp: 69161

Ion Ratio Lower Upper

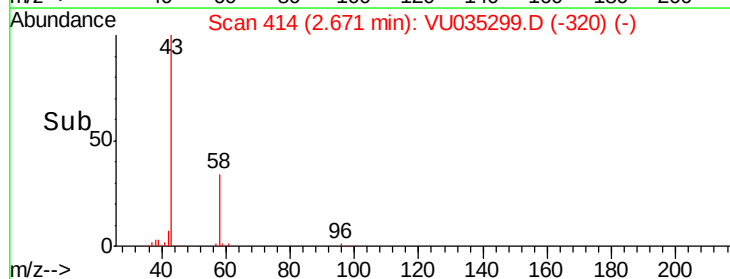
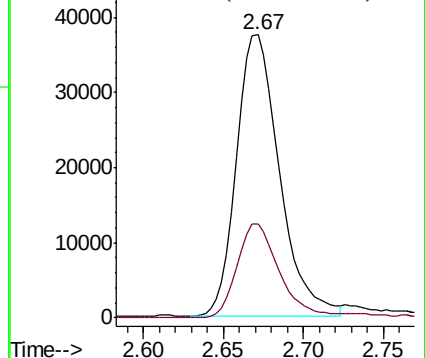
43 100

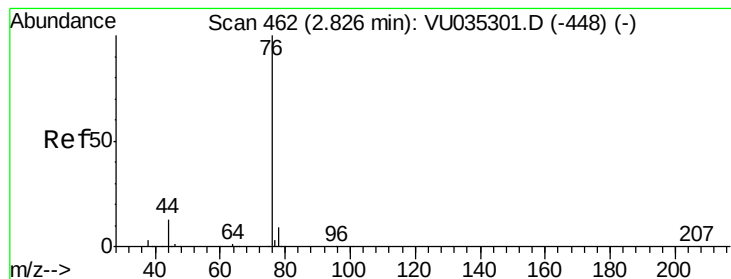
58 32.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#14

Carbon disulfide

Concen: 9.918 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

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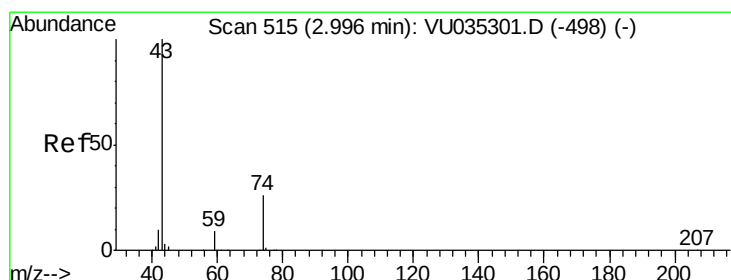
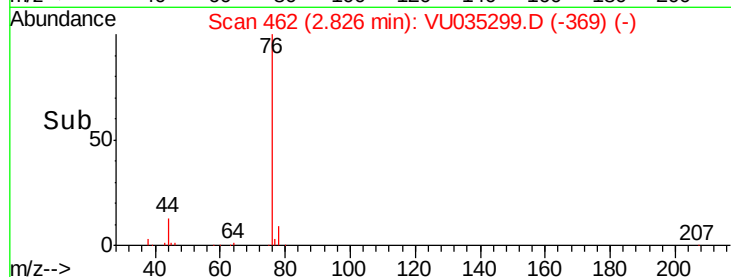
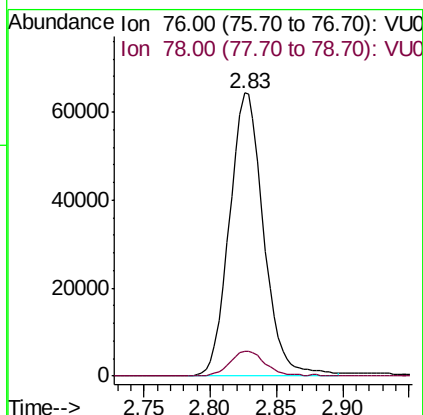
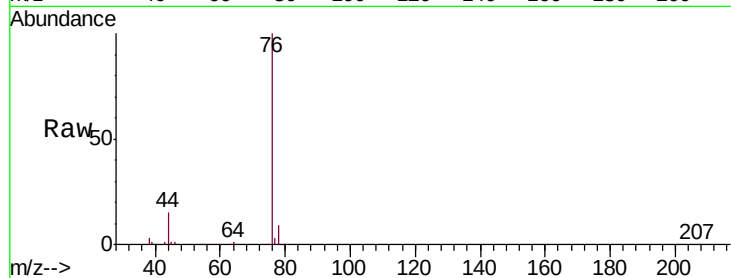
VSTD00534

Tgt Ion: 76 Resp: 115456

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



#15

Methyl Acetate

Concen: 9.536 ug/L

RT: 3.00 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU035299.D

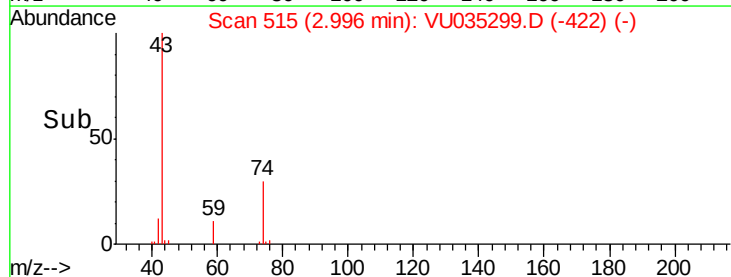
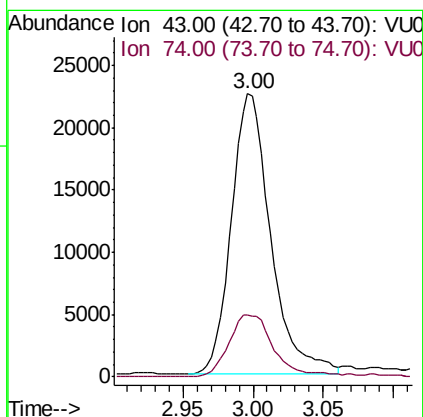
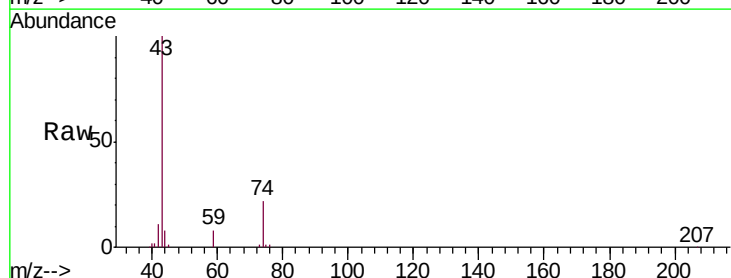
Acq: 19 Oct 2019 06:51

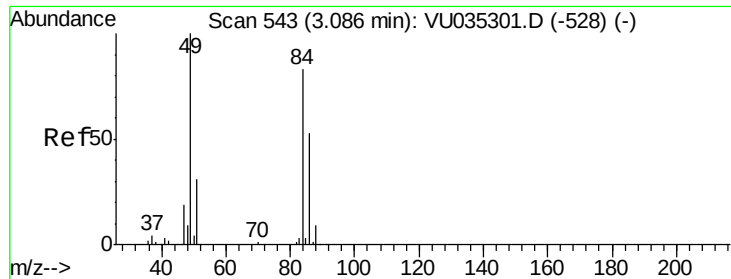
Tgt Ion: 43 Resp: 44201

Ion Ratio Lower Upper

43 100

74 24.9 20.3 30.5

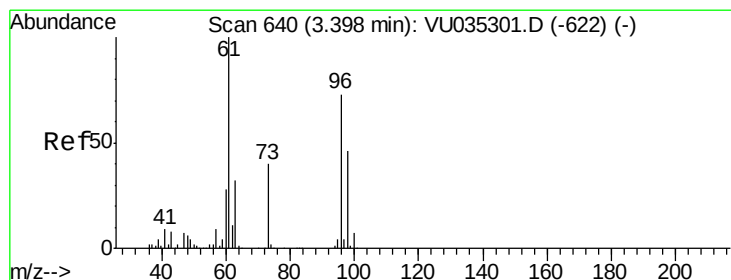
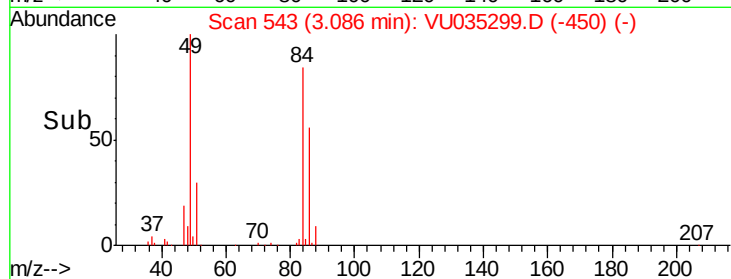
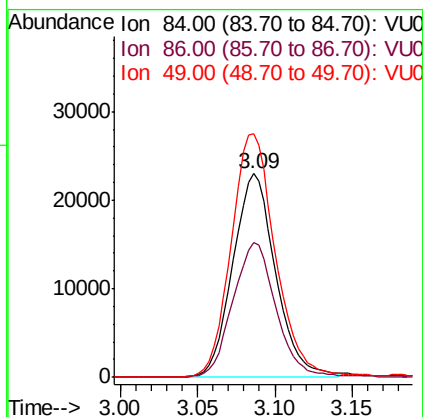
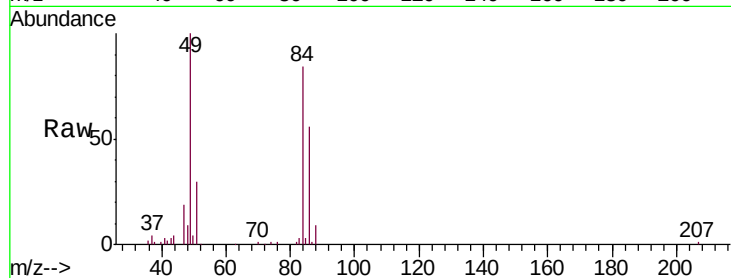




#16
Methylene chloride
Concen: 9.826 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

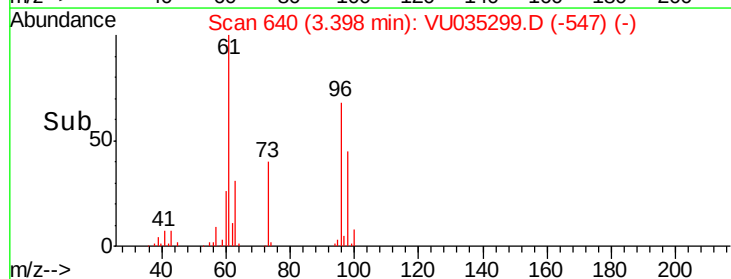
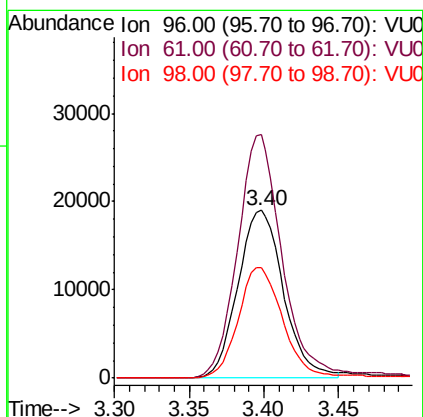
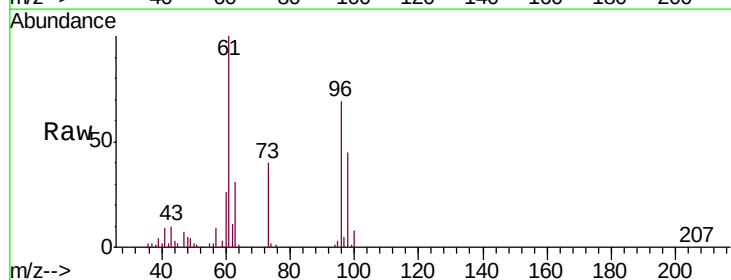
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

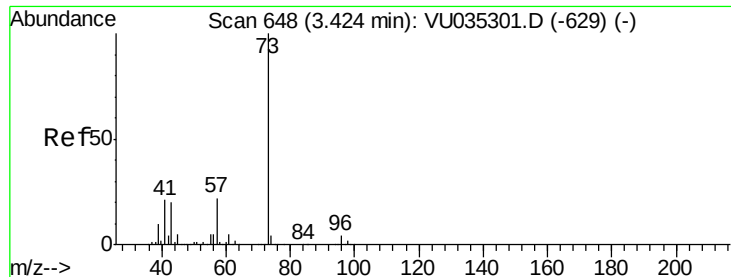
Tgt Ion: 84 Resp: 44254
Ion Ratio Lower Upper
84 100
86 66.5 44.4 82.5
49 119.6 84.0 156.0



#17
trans-1,2-Dichloroethene
Concen: 9.870 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 96 Resp: 40367
Ion Ratio Lower Upper
96 100
61 145.4 95.8 178.0
98 65.6 44.4 82.4

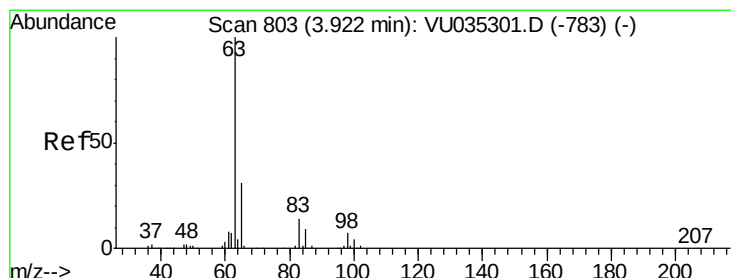
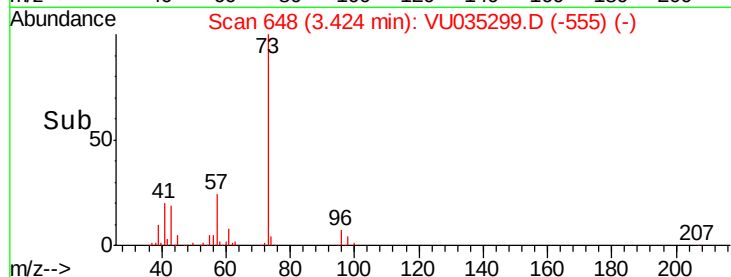
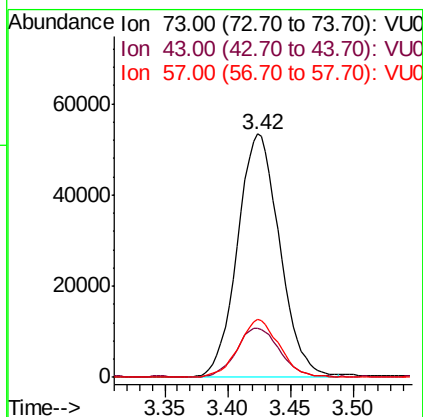
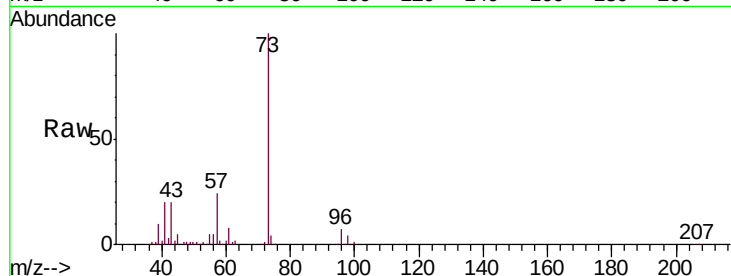




#18
Methyl tert-butyl Ether
Concen: 9.548 ug/L
RT: 3.42 min Scan# 648
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

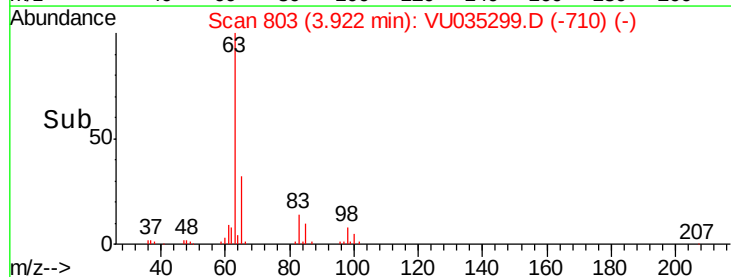
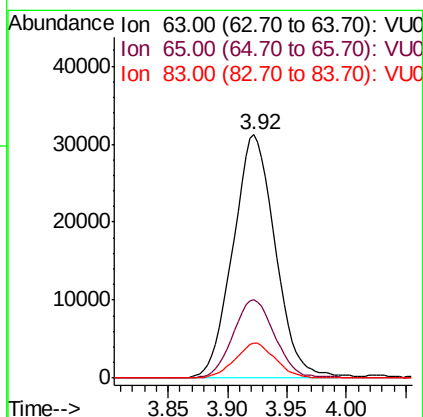
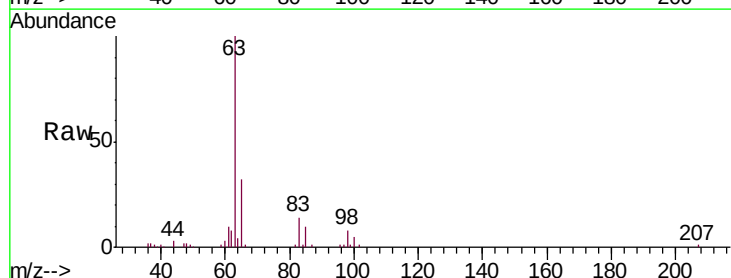
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

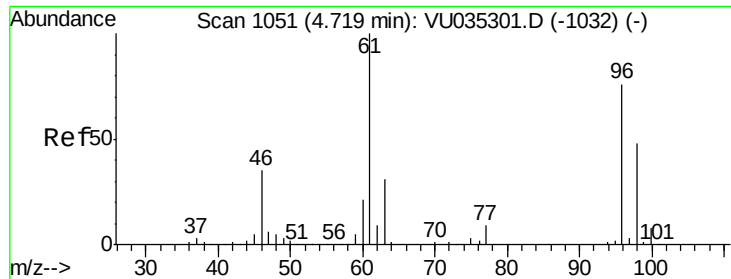
Tgt Ion: 73 Resp: 125155
Ion Ratio Lower Upper
73 100
43 20.2 16.0 24.0
57 22.9 17.6 26.4



#19
1,1-Dichloroethane
Concen: 9.792 ug/L
RT: 3.92 min Scan# 803
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 63 Resp: 76910
Ion Ratio Lower Upper
63 100
65 32.1 21.6 40.0
83 14.4 9.4 17.6

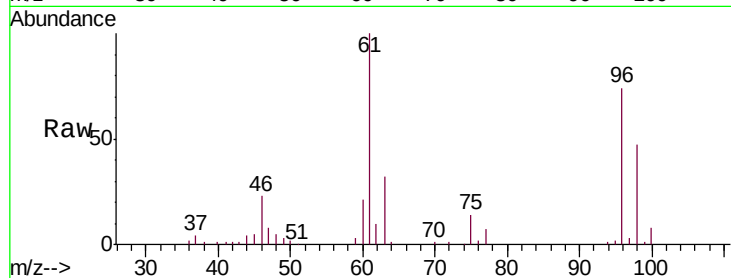




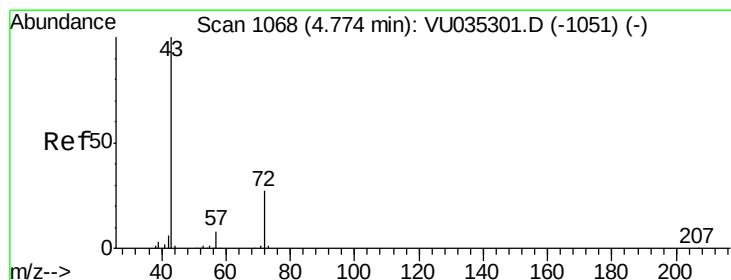
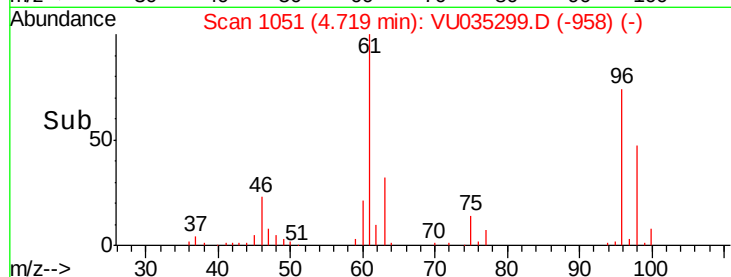
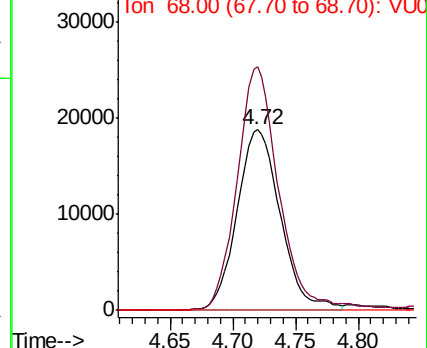
#20
 cis-1,2-Dichloroethene
 Concen: 9.768 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 96 Resp: 45166
 Ion Ratio Lower Upper
 96 100
 61 135.0 92.7 172.3
 68 0.0 0.0 0.0

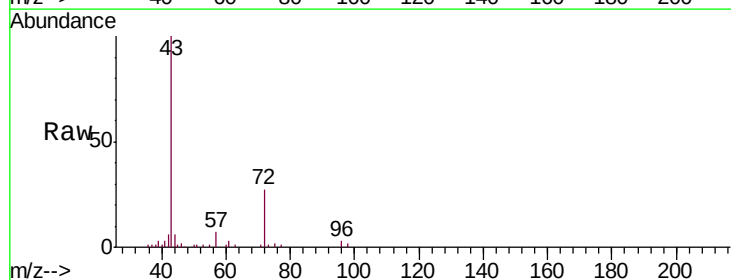


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

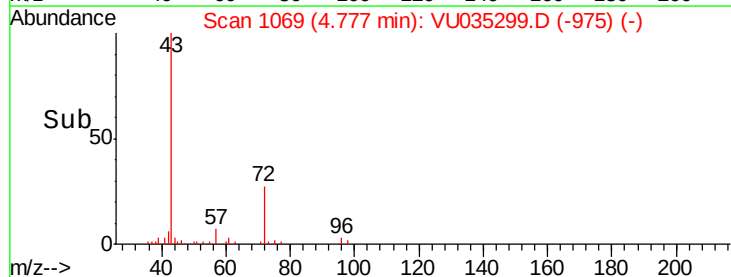
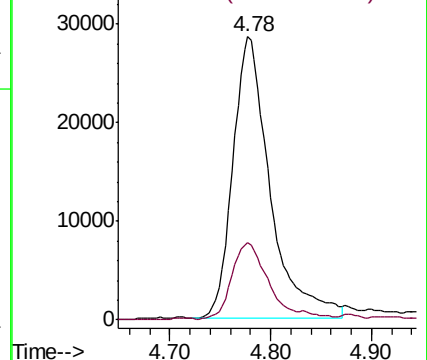


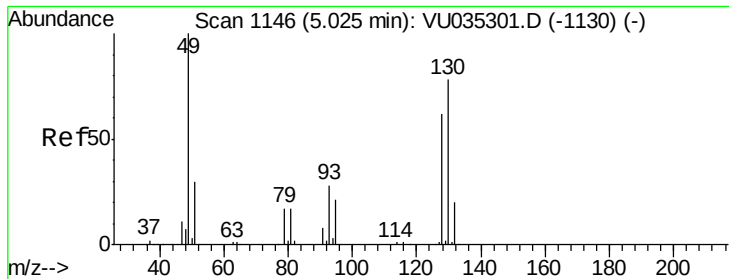
#22
 2-Butanone
 Concen: 18.869 ug/L
 RT: 4.78 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 43 Resp: 73328
 Ion Ratio Lower Upper
 43 100
 72 25.4 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0

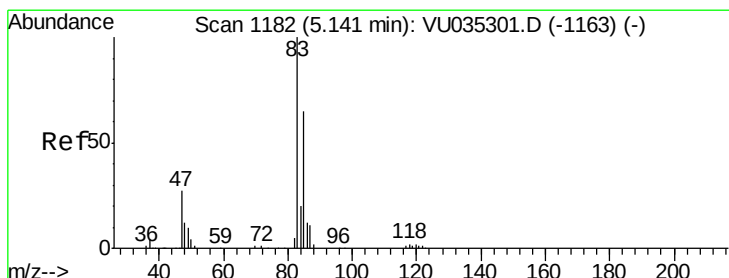
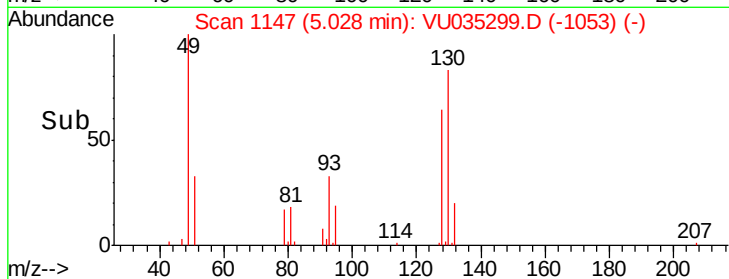
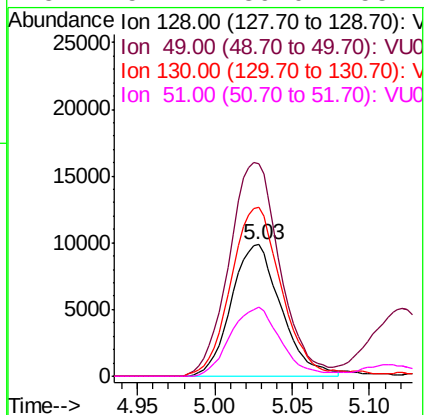
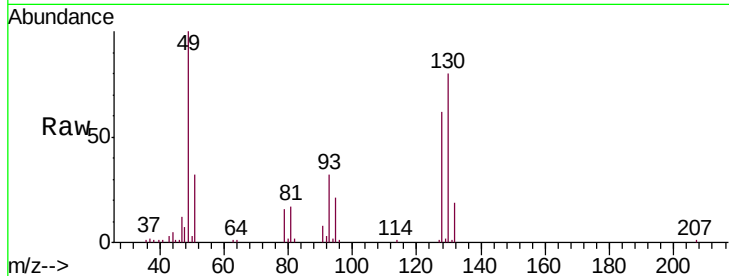




#23
 Bromochloromethane
 Concen: 9.497 ug/L
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

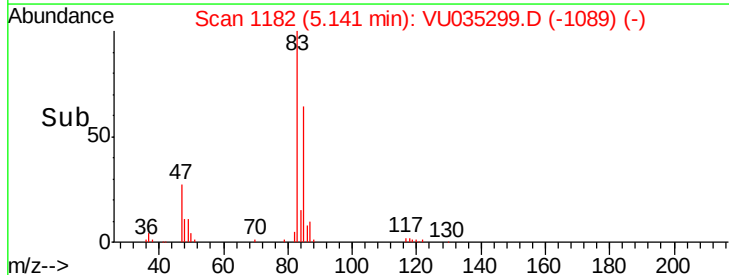
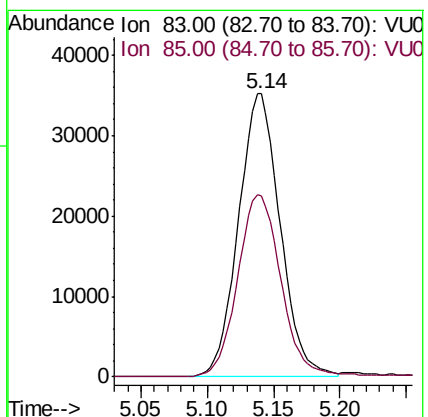
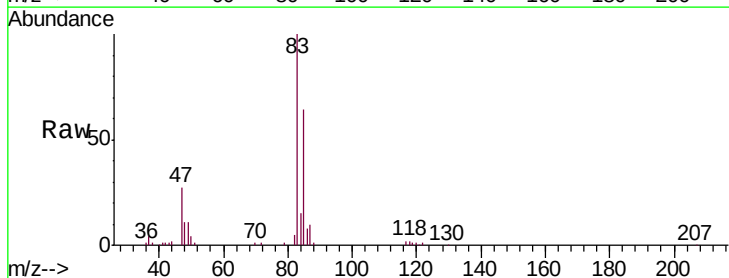
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

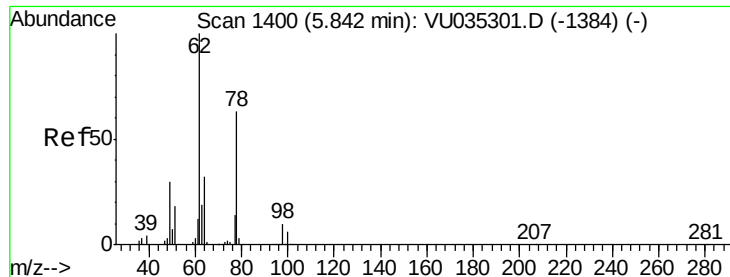
Tgt Ion:128 Resp: 22076
 Ion Ratio Lower Upper
 128 100
 49 161.0 112.7 209.3
 130 128.3 87.8 163.0
 51 52.1 39.0 58.4



#25
 Chloroform
 Concen: 9.600 ug/L
 RT: 5.14 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 83 Resp: 77116
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.5 84.5

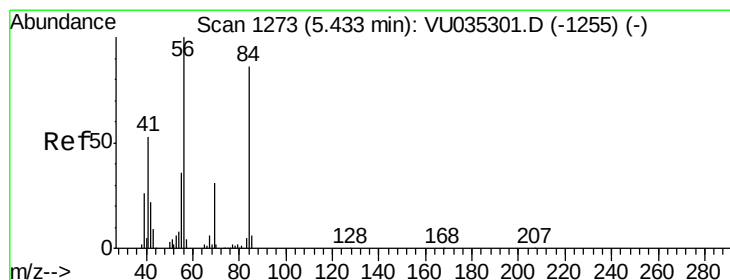
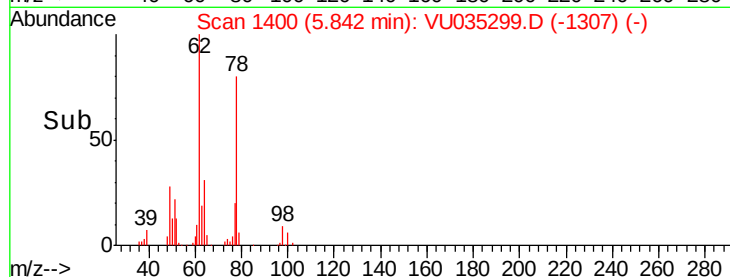
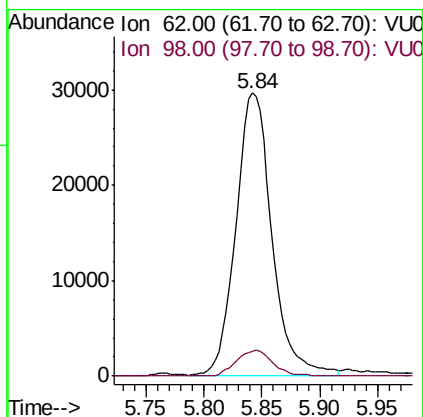
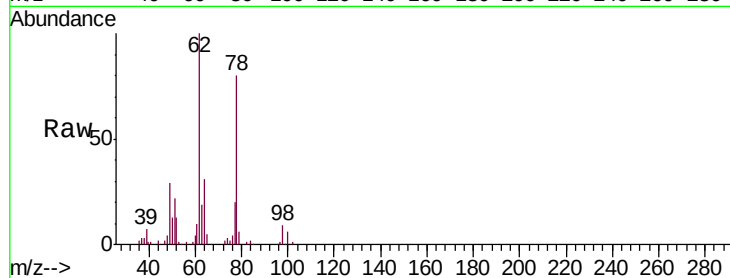




#27
 1,2-Dichloroethane
 Concen: 10.080 ug/L
 RT: 5.84 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

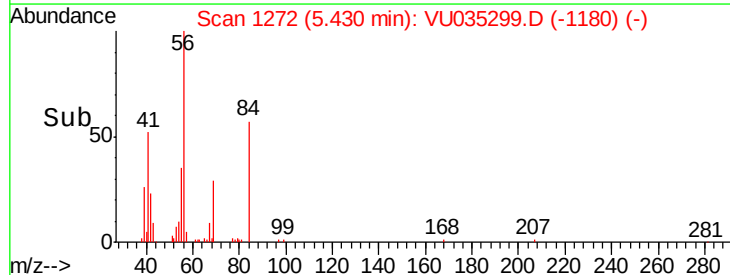
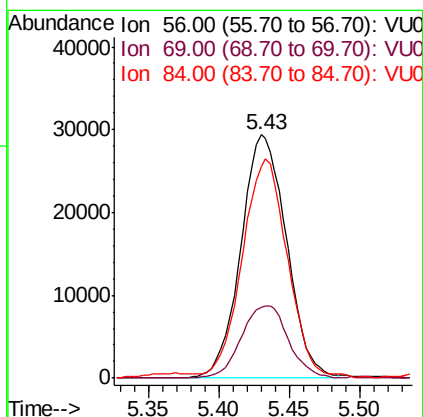
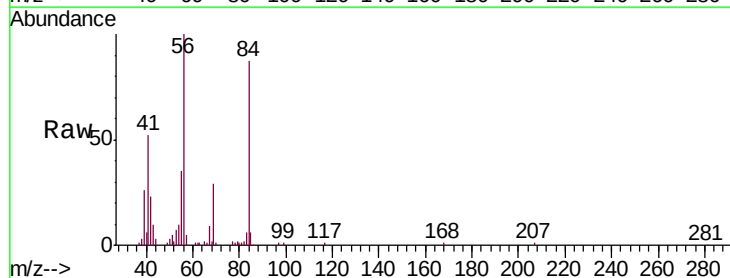
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

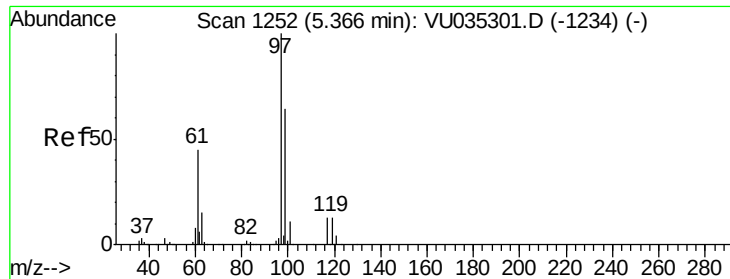
Tgt Ion: 62 Resp: 63408
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.8 11.6



#29
 Cyclohexane
 Concen: 9.768 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 56 Resp: 66356
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.2 36.4
 84 88.6 71.1 106.7

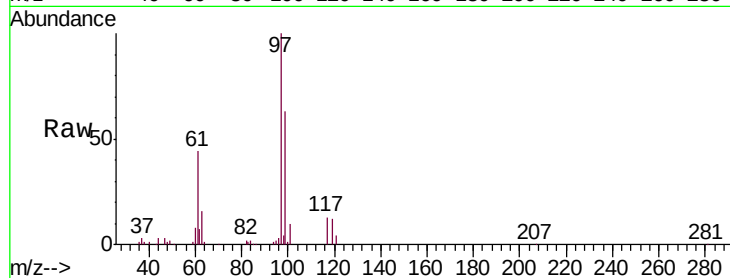




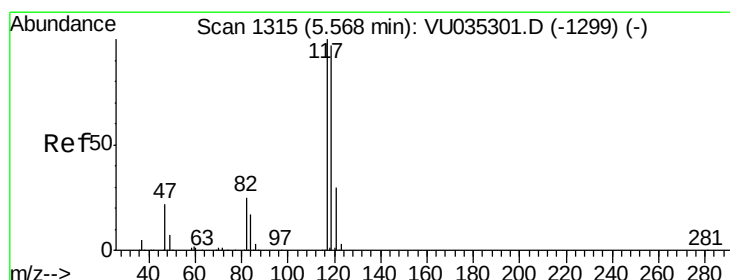
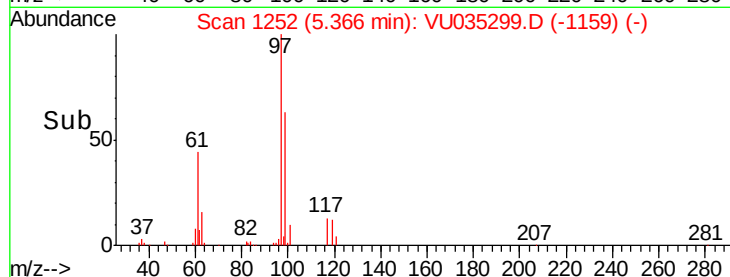
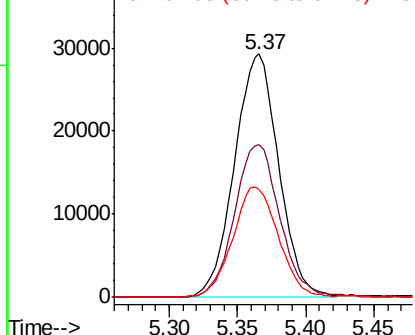
#30
 1,1,1-Trichloroethane
 Concen: 9.947 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 97 Resp: 66016
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.3 76.9
 61 45.6 36.6 54.8

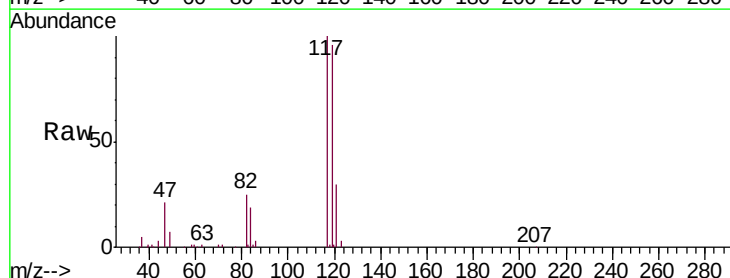


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

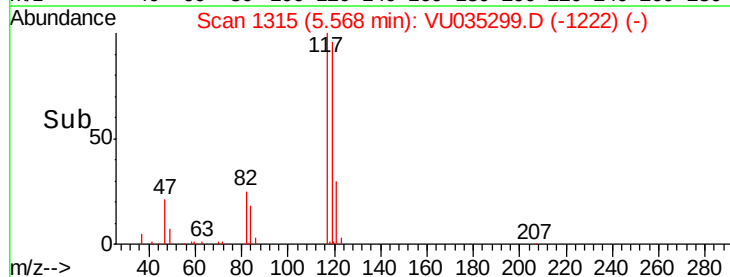
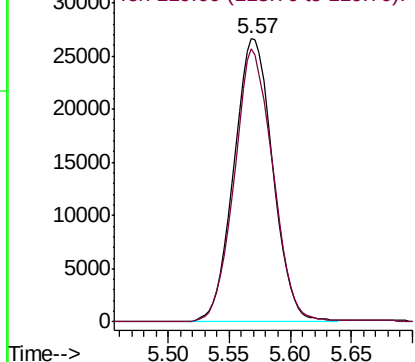


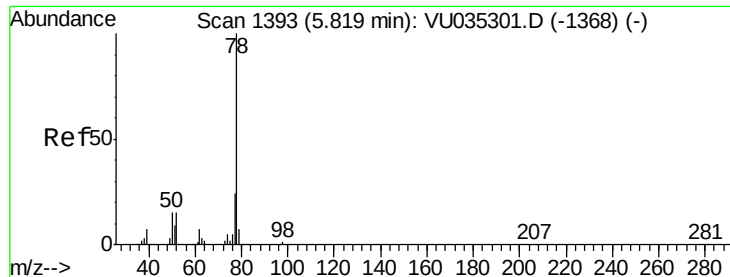
#31
 Carbon tetrachloride
 Concen: 10.097 ug/L
 RT: 5.57 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 117 Resp: 58690
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 9.749 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

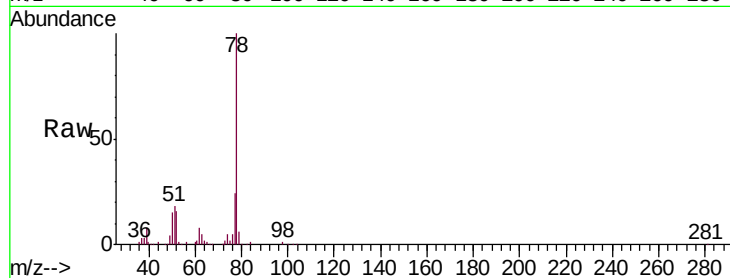
Instrument :

MSVOA_U

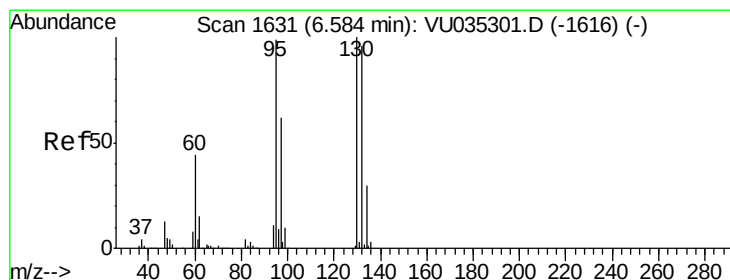
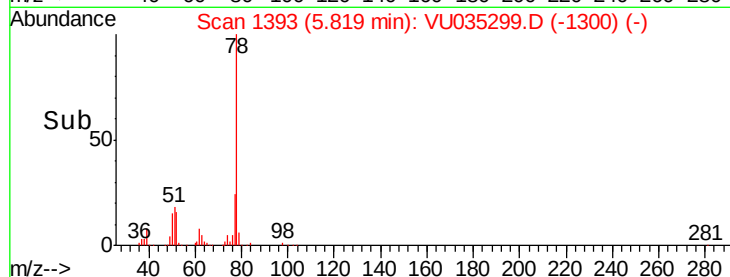
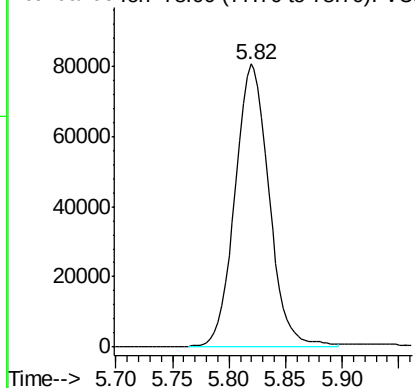
ClientSampleId :

VSTD00534

Tgt Ion: 78 Resp: 168331



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 9.984 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion: 95 Resp: 44152

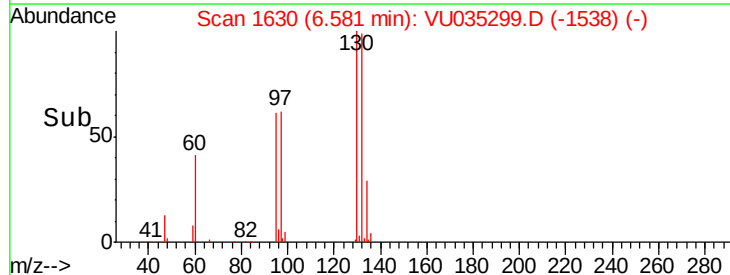
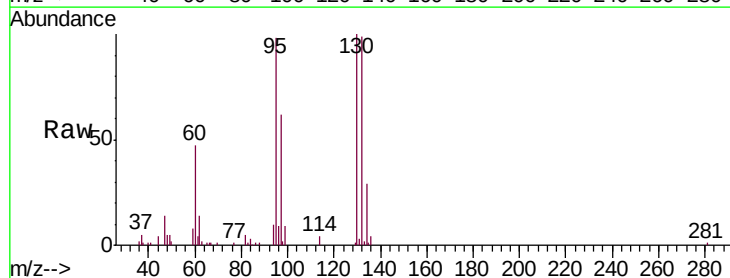
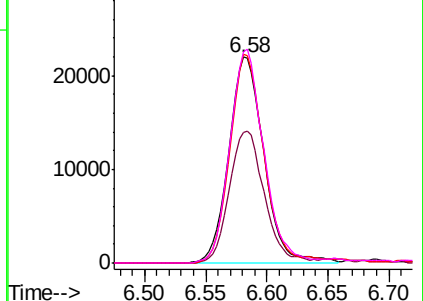
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.2	82.2
132	101.1	67.8	125.8
130	102.4	70.9	131.7

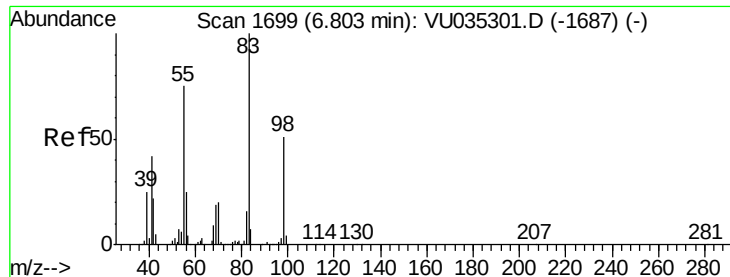
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

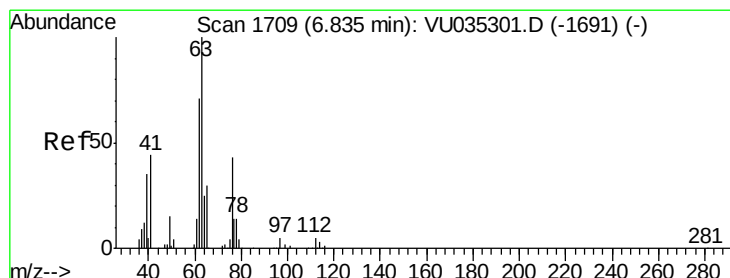
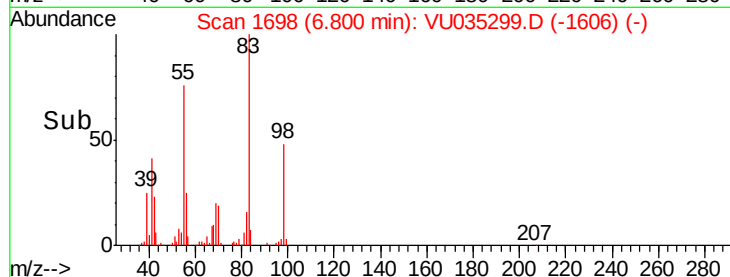
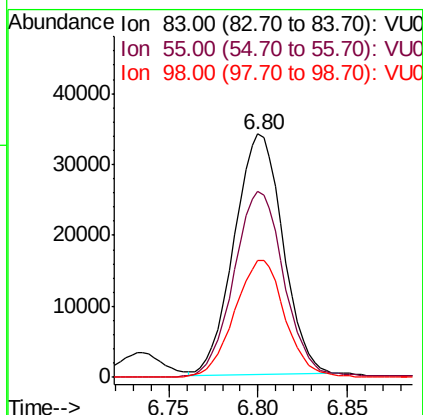
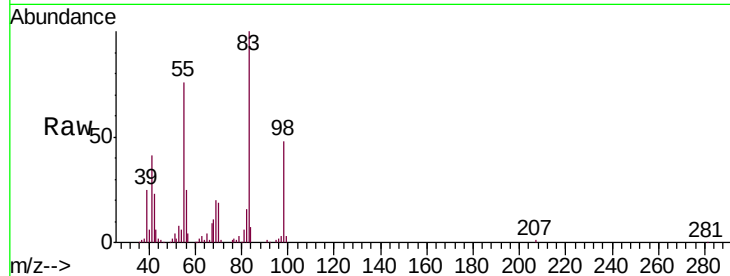




#35
Methylcyclohexane
Concen: 9.481 ug/L
RT: 6.80 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

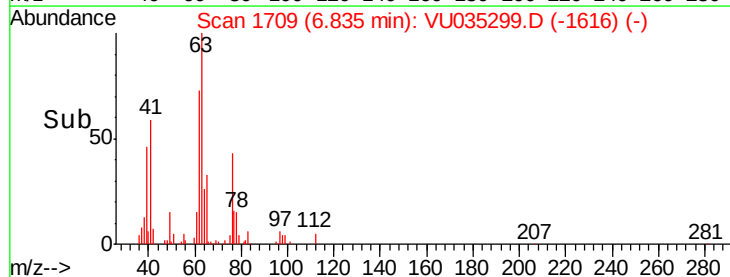
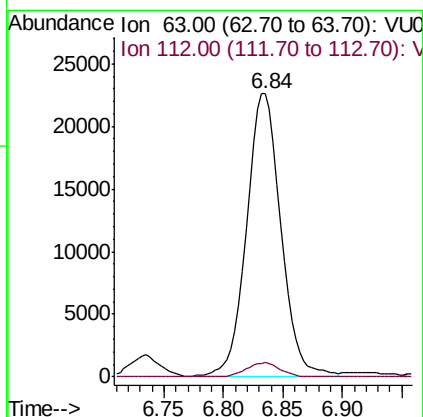
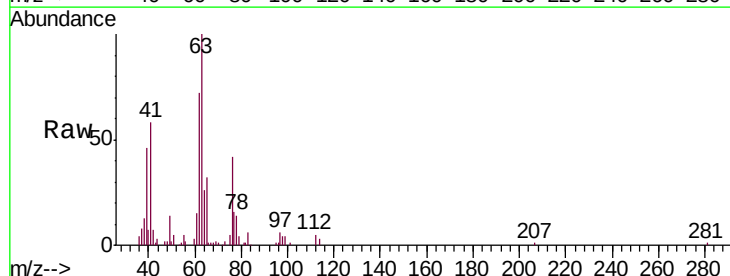
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

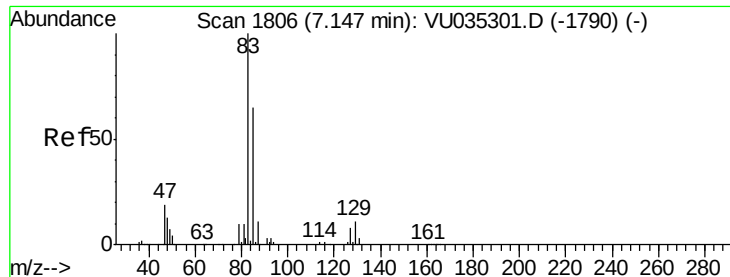
Tgt Ion: 83 Resp: 64474
Ion Ratio Lower Upper
83 100
55 80.1 59.5 89.3
98 50.6 39.9 59.9



#37
1,2-Dichloropropane
Concen: 10.143 ug/L
RT: 6.84 min Scan# 1709
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 63 Resp: 45373
Ion Ratio Lower Upper
63 100
112 4.8 3.6 5.4

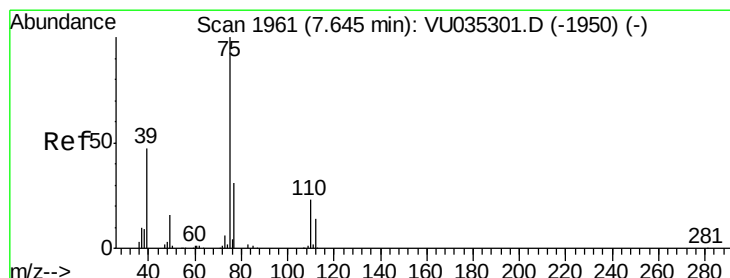
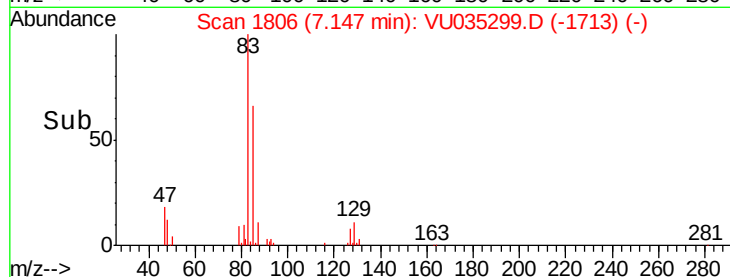
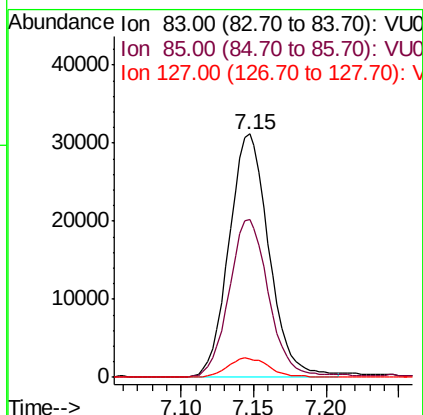
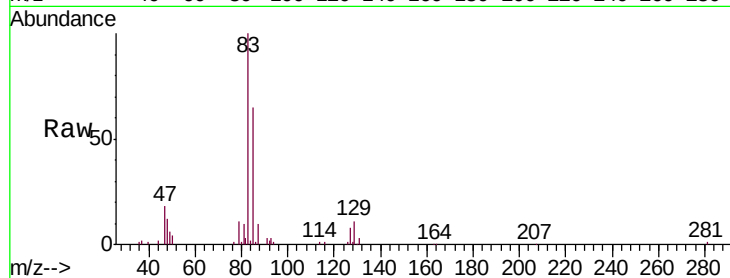




#38
 Bromodichloromethane
 Concen: 10.094 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

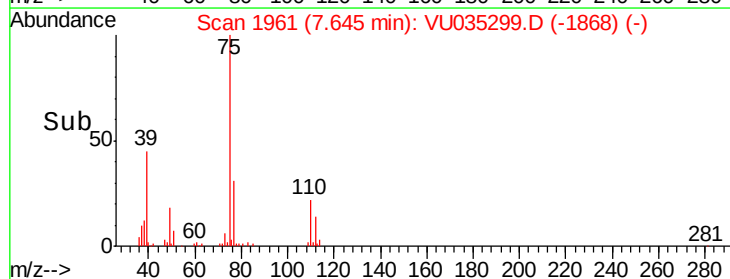
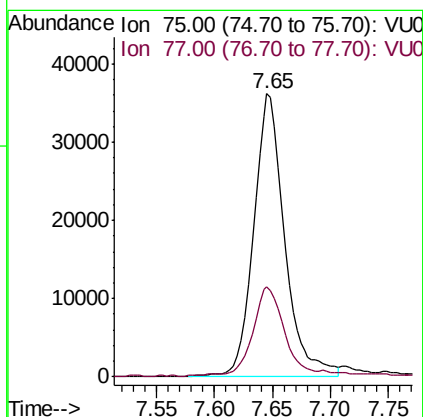
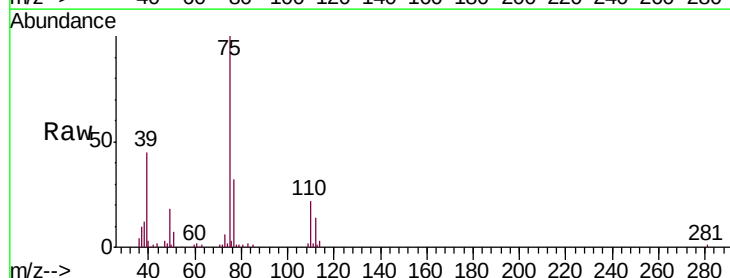
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

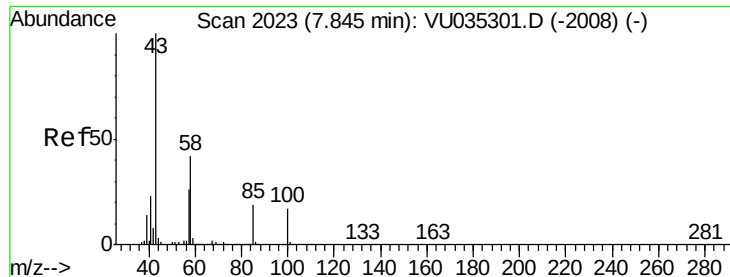
Tgt Ion: 83 Resp: 59886
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.3 84.1
 127 7.7 6.6 10.0



#39
 cis-1,3-Dichloropropene
 Concen: 9.392 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 75 Resp: 67954
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

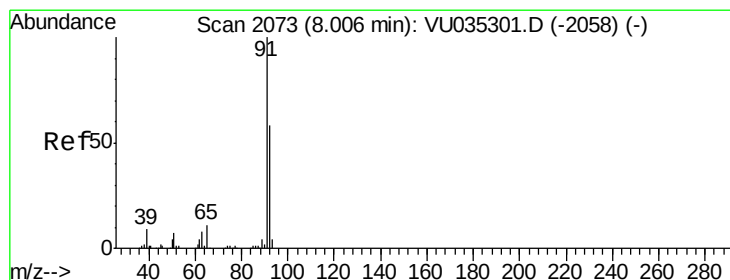
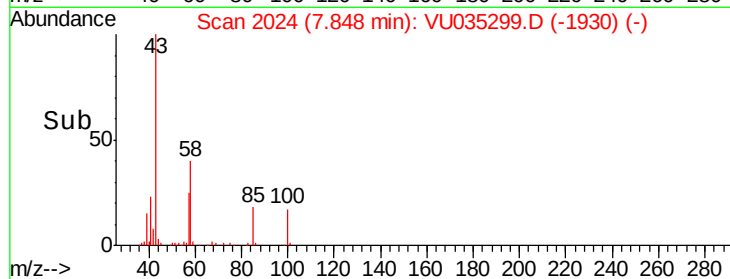
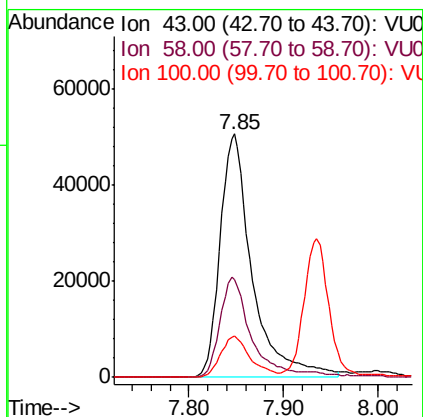
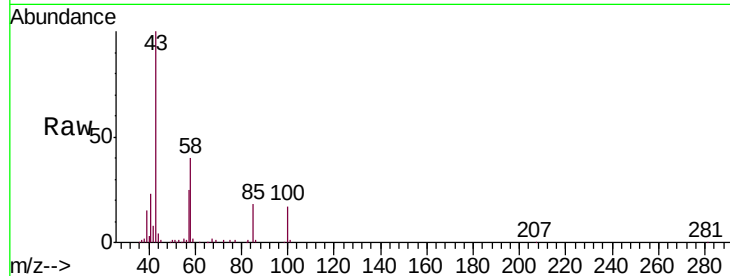




#40
 4-Methyl-2-pentanone
 Concen: 18.865 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

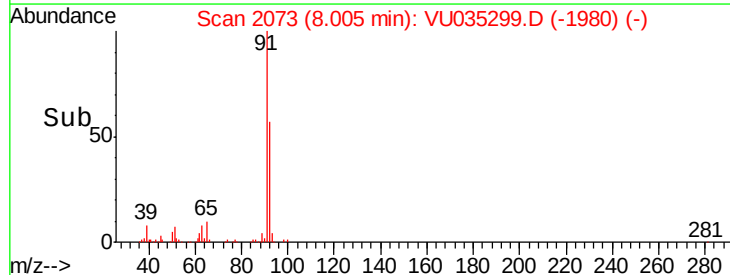
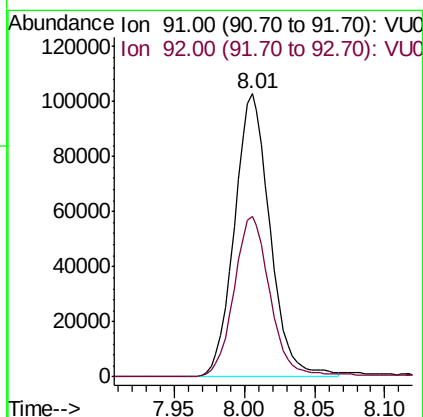
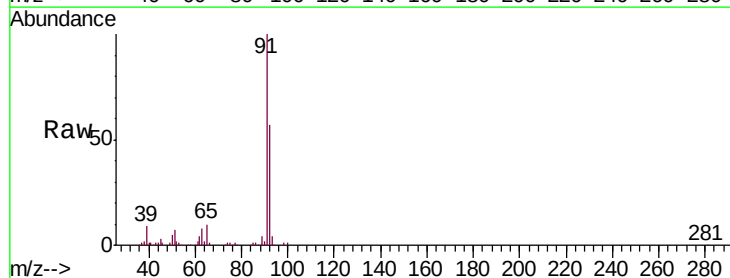
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

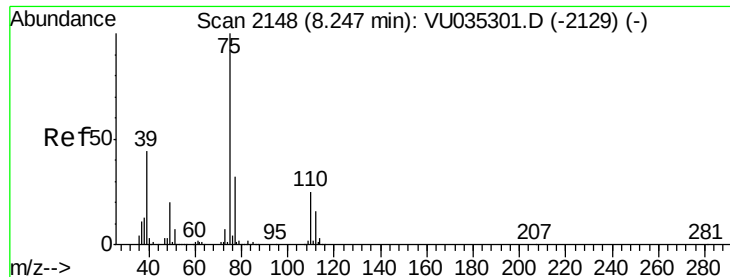
Tgt Ion: 43 Resp: 119008
 Ion Ratio Lower Upper
 43 100
 58 39.2 33.1 49.7
 100 15.9 13.2 19.8



#42
 Toluene
 Concen: 9.726 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 91 Resp: 181677
 Ion Ratio Lower Upper
 91 100
 92 56.7 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 9.018 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

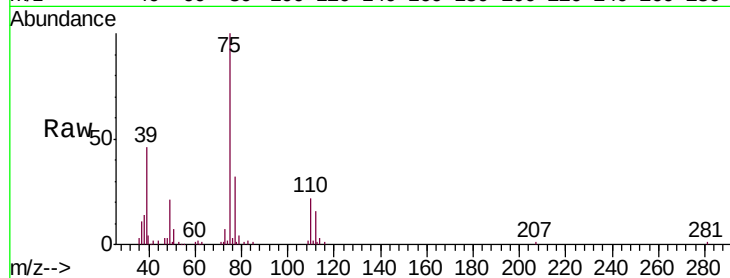
VSTD00534

Tgt Ion: 75 Resp: 60827

Ion Ratio Lower Upper

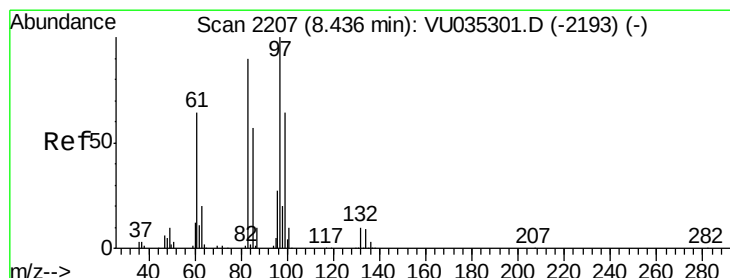
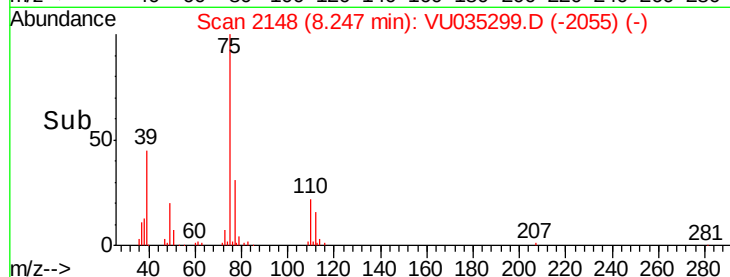
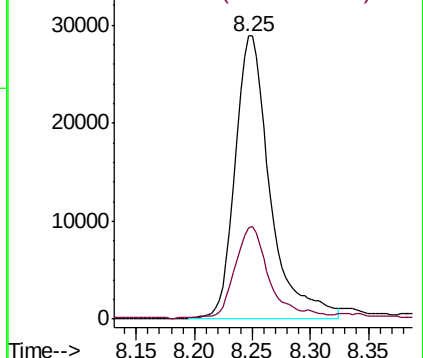
75 100

77 32.4 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VU035301.D (-2129) (-)

Ion 77.00 (76.70 to 77.70): VU035301.D (-2129) (-)



#45

1,1,2-Trichloroethane

Concen: 9.964 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion: 97 Resp: 43171

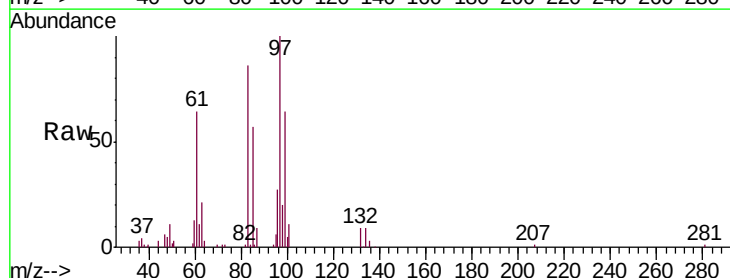
Ion Ratio Lower Upper

97 100

99 64.2 44.5 82.7

83 85.7 63.0 117.0

85 57.2 39.7 73.7

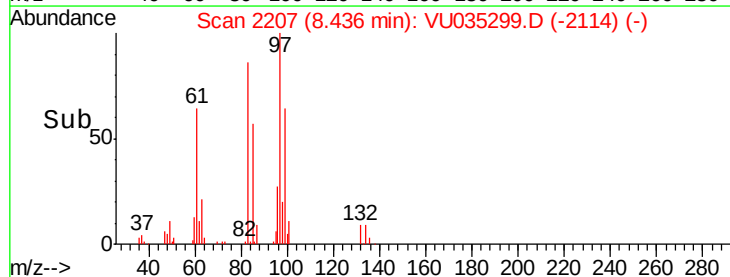
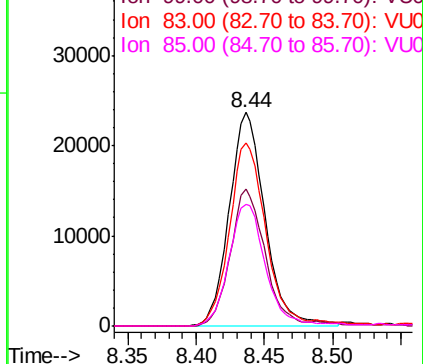


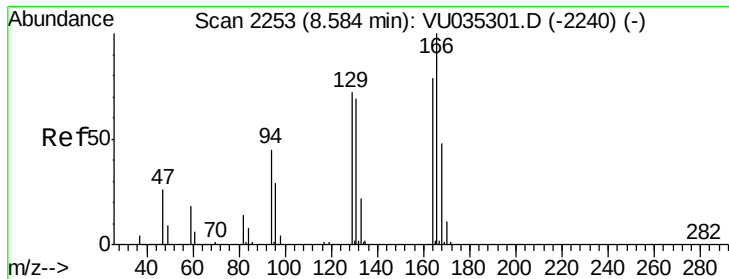
Abundance Ion 97.00 (96.70 to 97.70): VU035301.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU035301.D (-2193) (-)

Ion 83.00 (82.70 to 83.70): VU035301.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035301.D (-2193) (-)

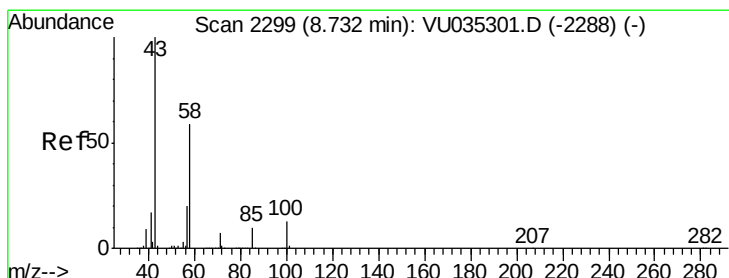
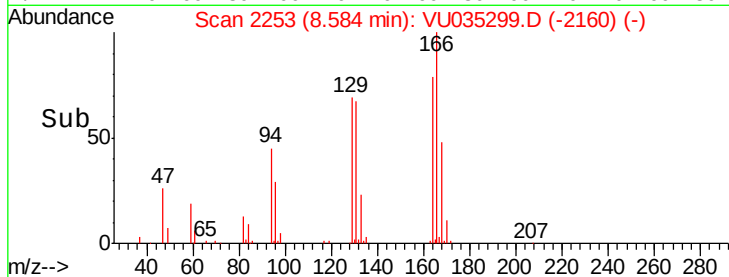
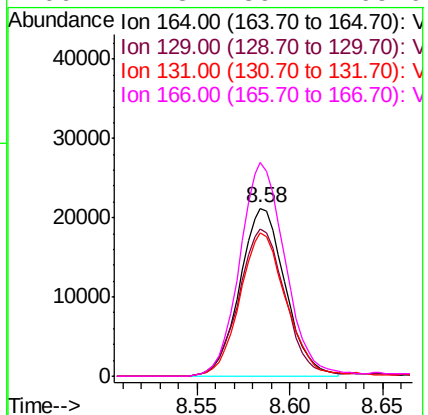
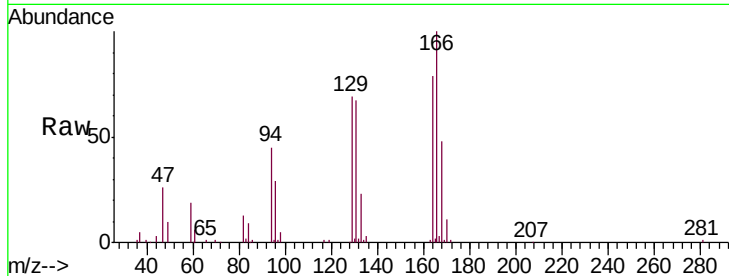




#46
Tetrachloroethene
Concen: 10.138 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

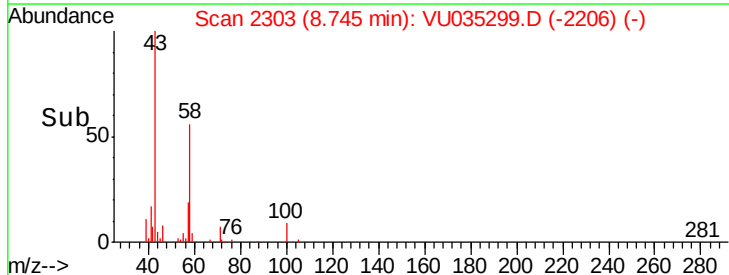
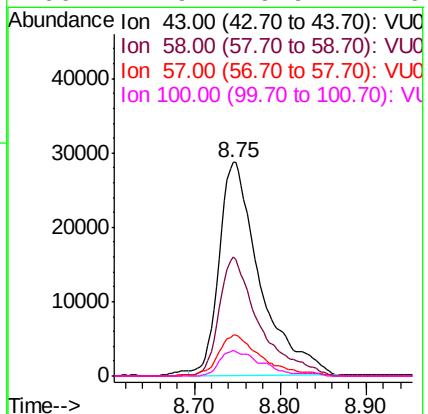
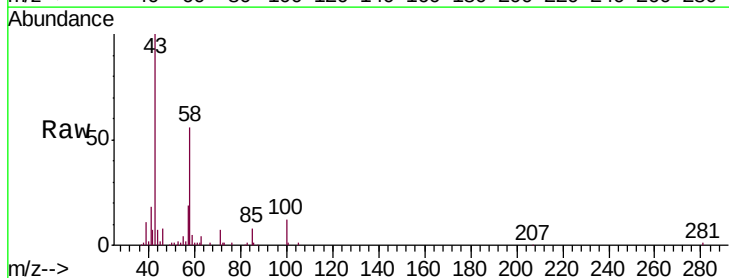
Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

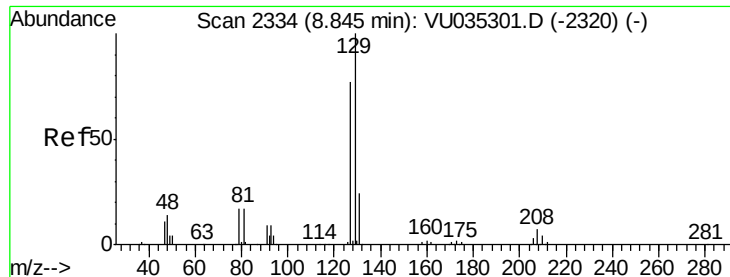
Tgt Ion:164 Resp: 36034
Ion Ratio Lower Upper
164 100
129 87.7 64.0 119.0
131 85.3 61.8 114.8
166 127.3 89.2 165.6



#48
2-Hexanone
Concen: 18.033 ug/L
RT: 8.75 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 43 Resp: 94273
Ion Ratio Lower Upper
43 100
58 54.5 42.7 64.1
57 16.8 14.8 22.2
100 11.9 9.9 14.9





#49

Dibromochloromethane

Concen: 9.423 ug/L

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

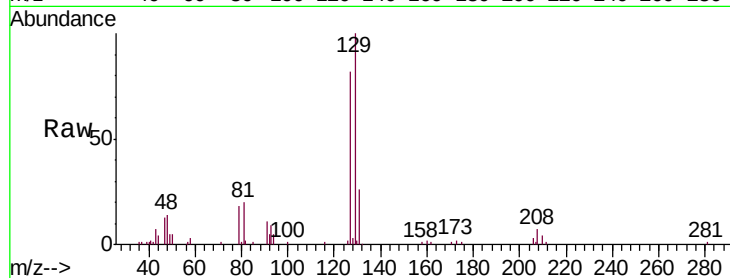
VSTD00534

Tgt Ion:129 Resp: 46104

Ion Ratio Lower Upper

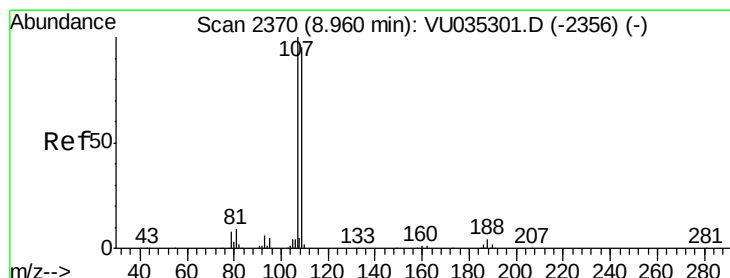
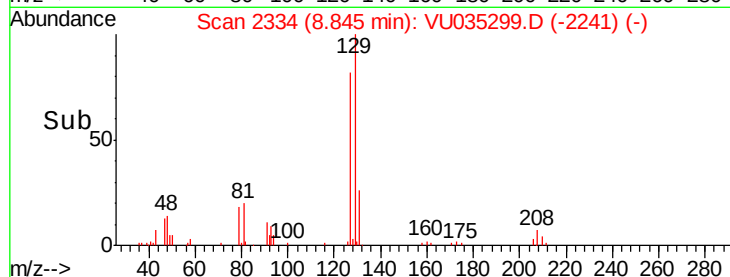
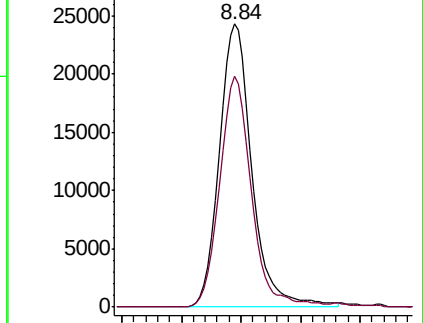
129 100

127 81.5 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 9.425 ug/L

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

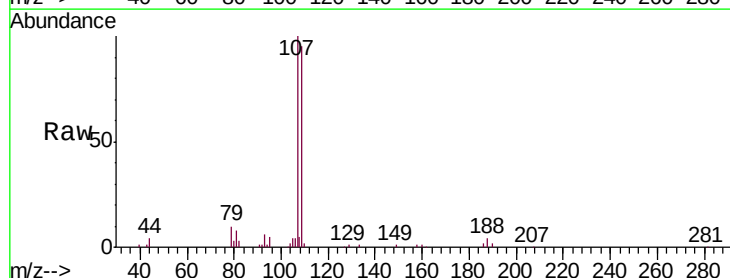
Tgt Ion:107 Resp: 45306

Ion Ratio Lower Upper

107 100

109 95.3 66.8 124.2

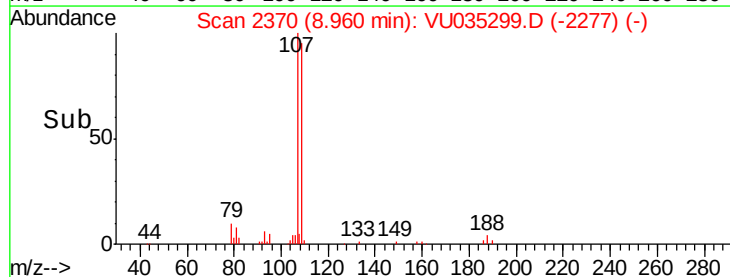
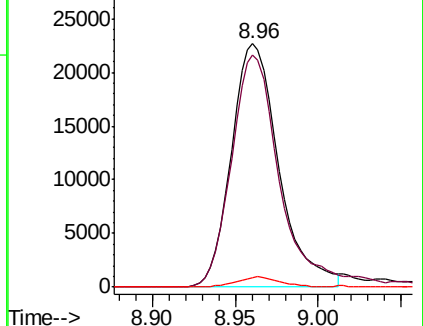
188 4.1 3.4 5.2

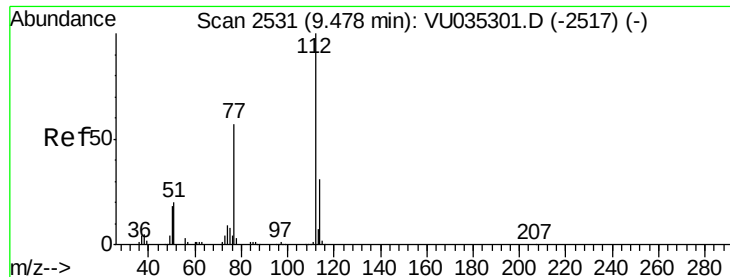


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 9.815 ug/L

RT: 9.48 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

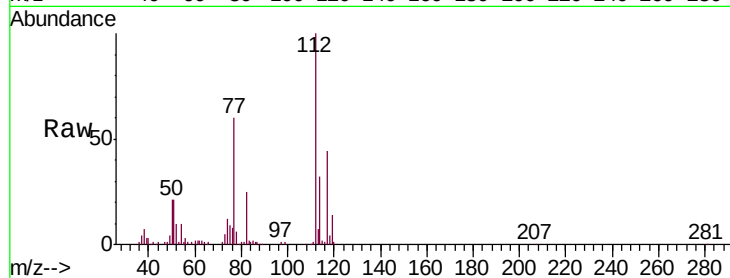
Tgt Ion: 112 Resp: 118016

Ion Ratio Lower Upper

112 100

114 31.9 21.9 40.7

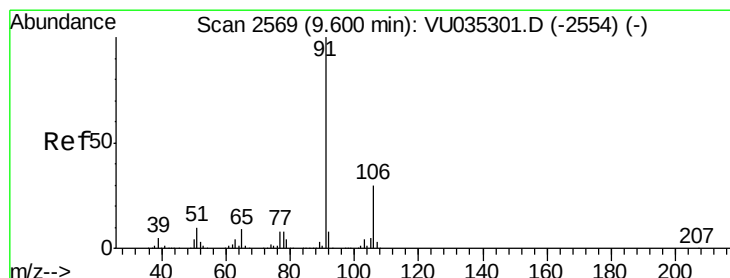
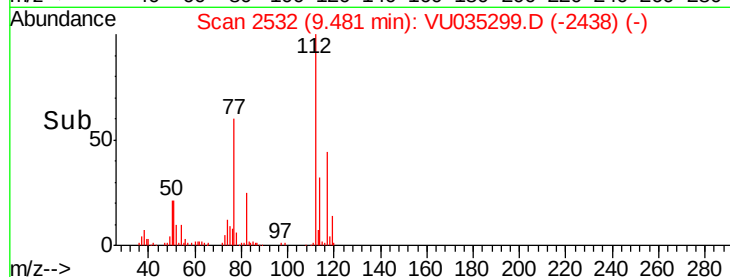
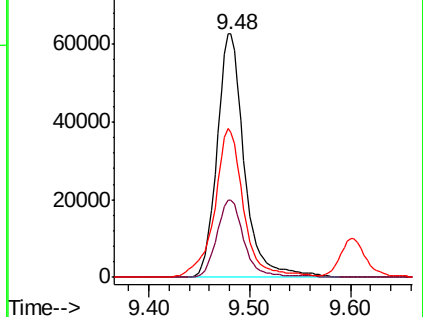
77 59.6 46.2 69.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 9.548 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035299.D

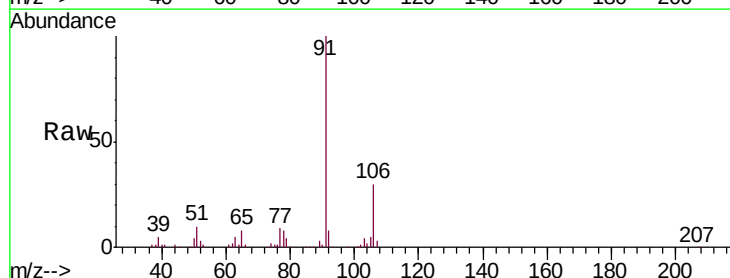
Acq: 19 Oct 2019 06:51

Tgt Ion: 91 Resp: 197097

Ion Ratio Lower Upper

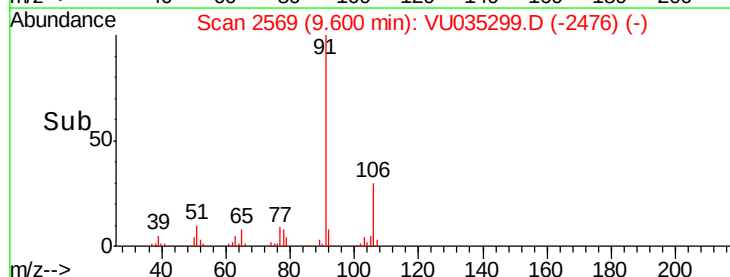
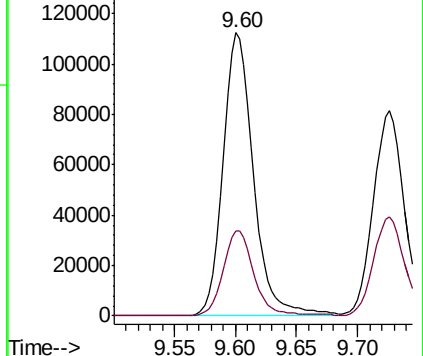
91 100

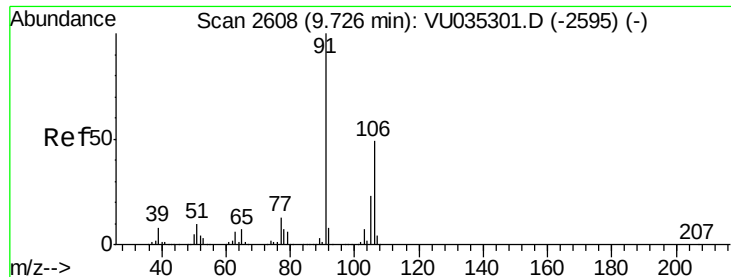
106 29.9 21.3 39.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 9.532 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

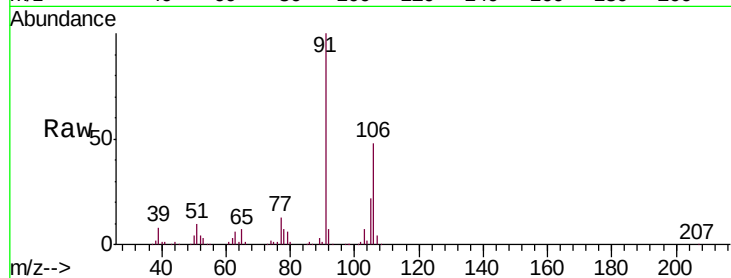
VSTD00534

Tgt Ion:106 Resp: 72236

Ion Ratio Lower Upper

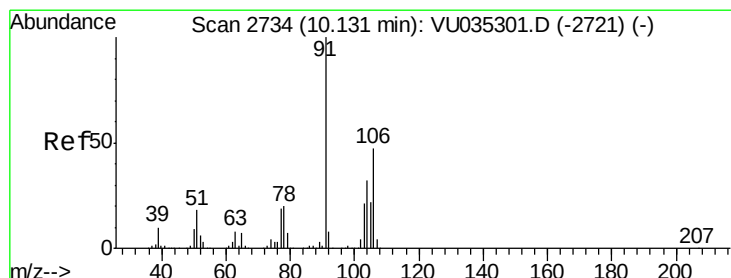
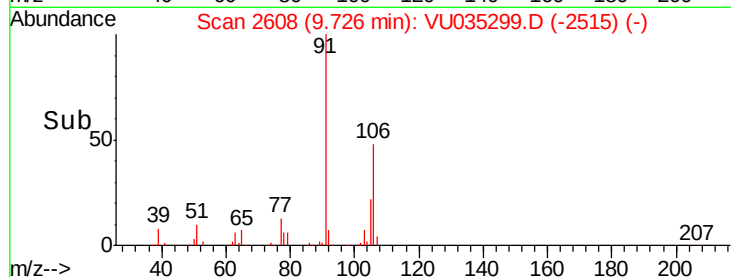
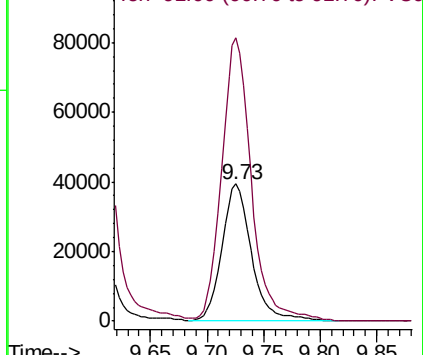
106 100

91 206.7 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 9.226 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035299.D

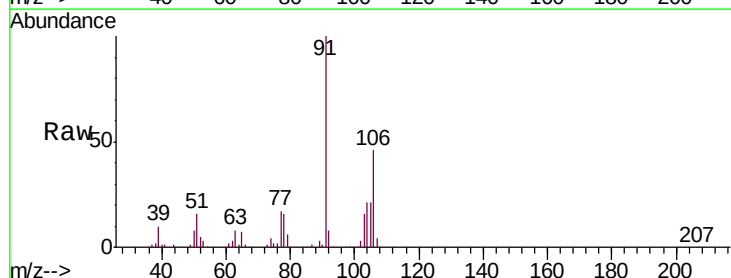
Acq: 19 Oct 2019 06:51

Tgt Ion:106 Resp: 70872

Ion Ratio Lower Upper

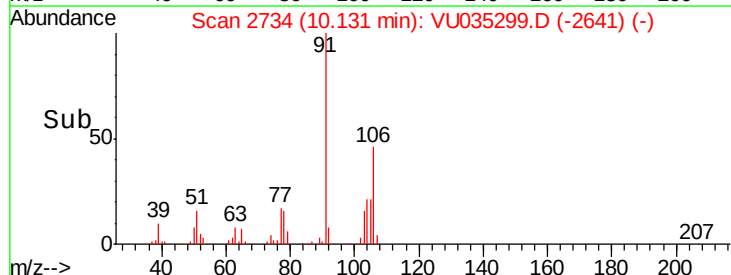
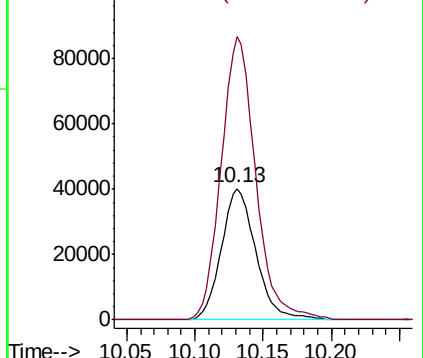
106 100

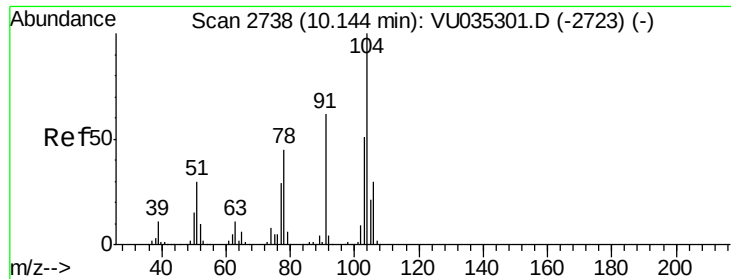
91 215.3 150.6 279.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 8.431 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

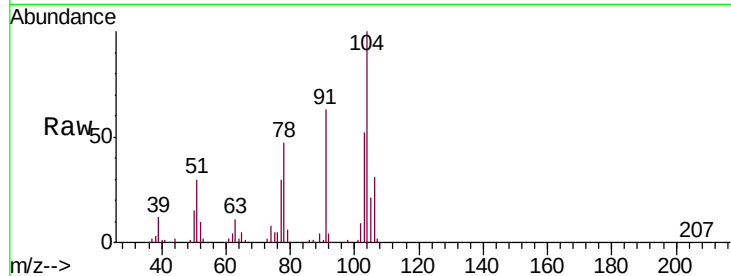
VSTD00534

Tgt Ion:104 Resp: 107566

Ion Ratio Lower Upper

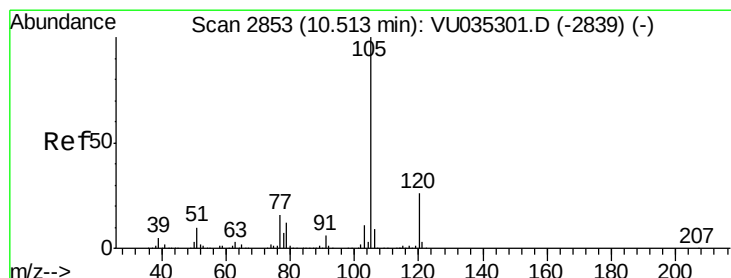
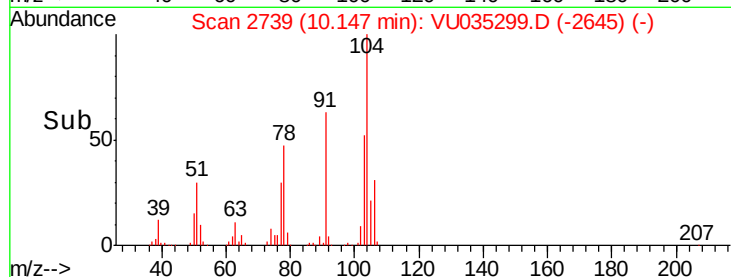
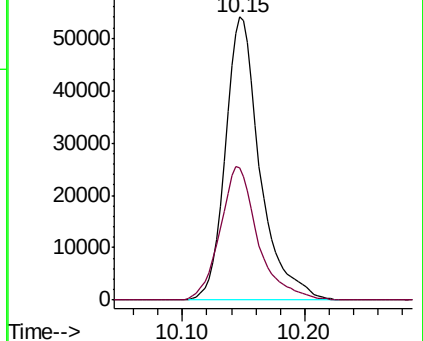
104 100

78 46.9 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: 9.178 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

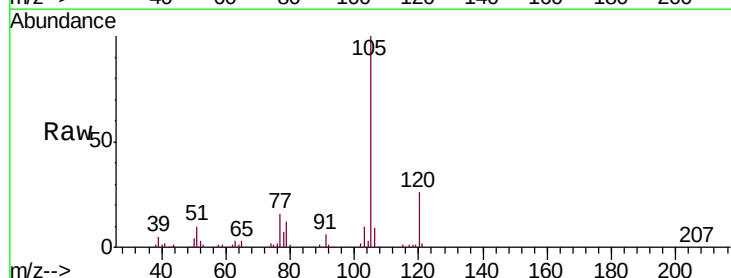
Tgt Ion:105 Resp: 180770

Ion Ratio Lower Upper

105 100

120 26.1 21.1 31.7

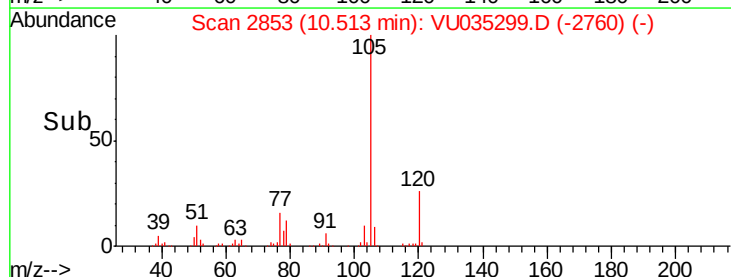
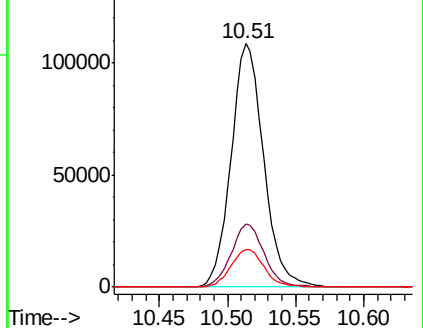
77 15.9 12.7 19.1

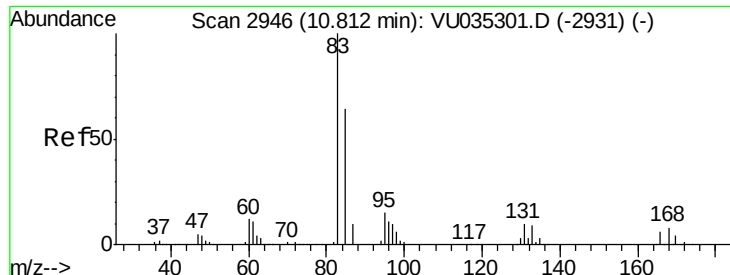


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0

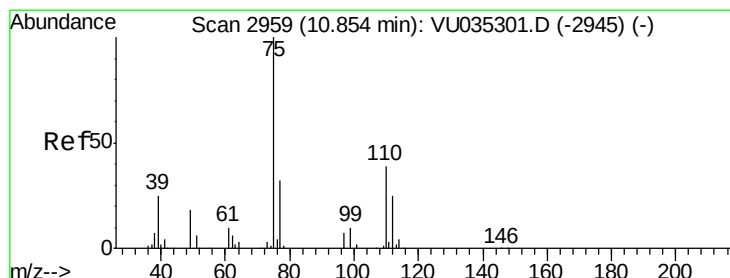
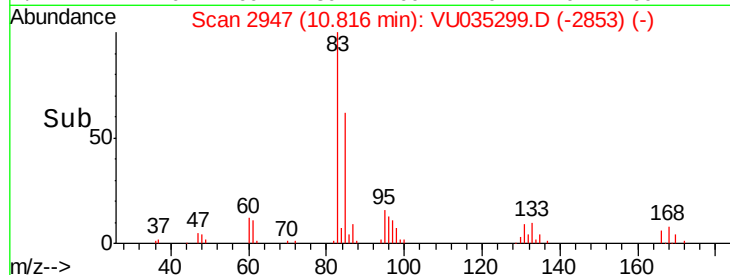
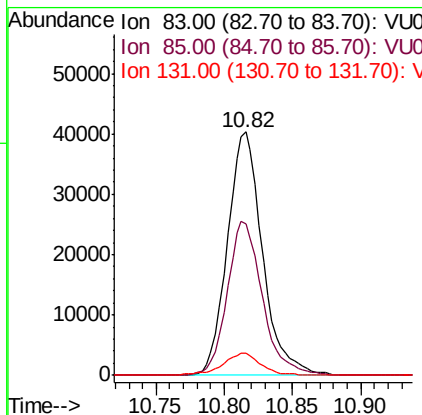
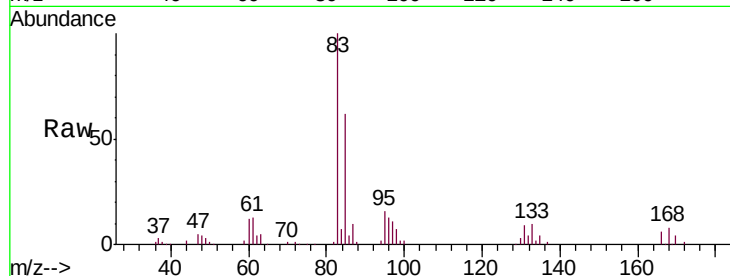




#58
 1,1,2,2-Tetrachloroethane
 Concen: 9.477 ug/L
 RT: 10.82 min Scan# 2947
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

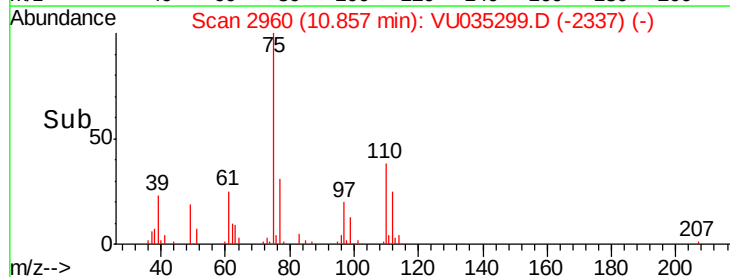
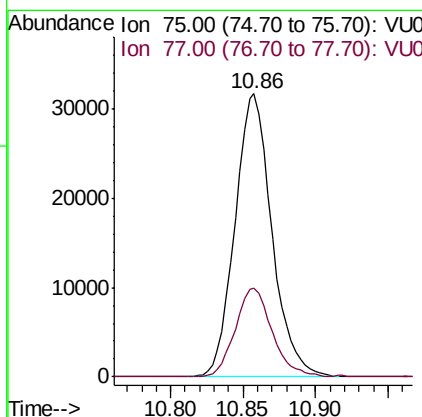
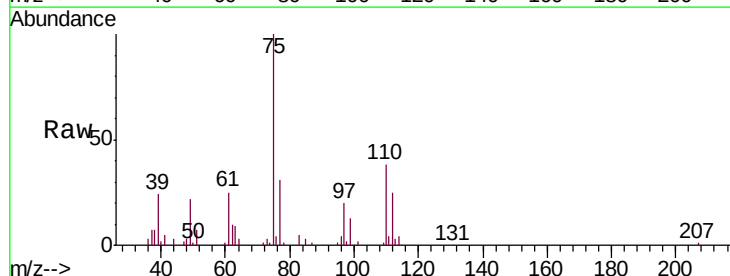
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

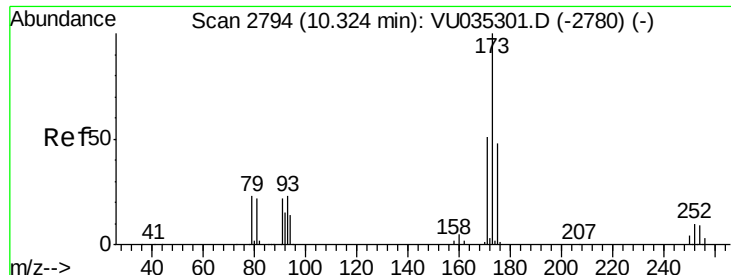
Tgt Ion: 83 Resp: 72000
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.9 83.5
 131 8.9 7.8 11.6



#59
 1,2,3-Trichloropropane
 Concen: 9.444 ug/L
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 75 Resp: 56062
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2

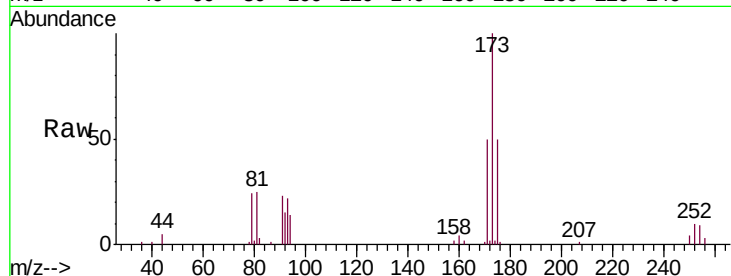




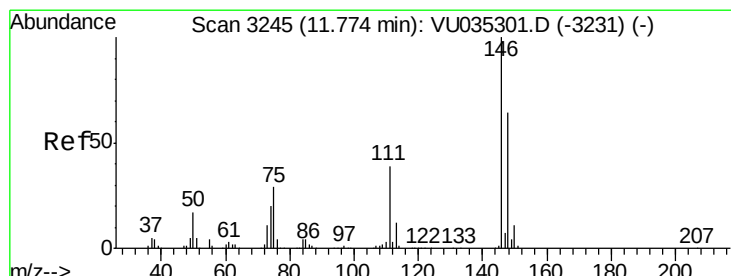
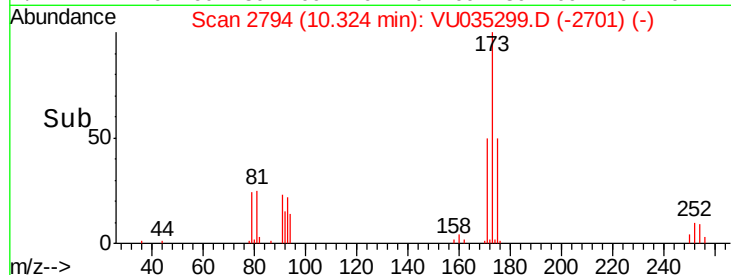
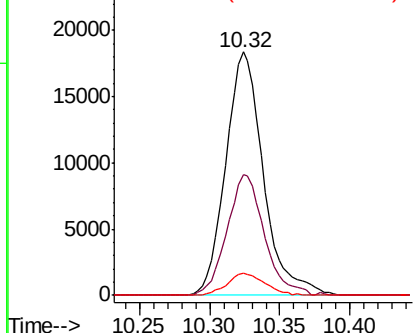
#61
Bromoform
Concen: 11.419 ug/L
RT: 10.32 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion:173 Resp: 34301
Ion Ratio Lower Upper
173 100
175 48.9 38.9 58.3
254 8.9 7.6 11.4

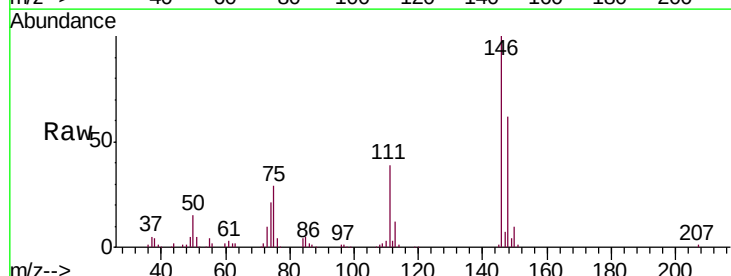


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

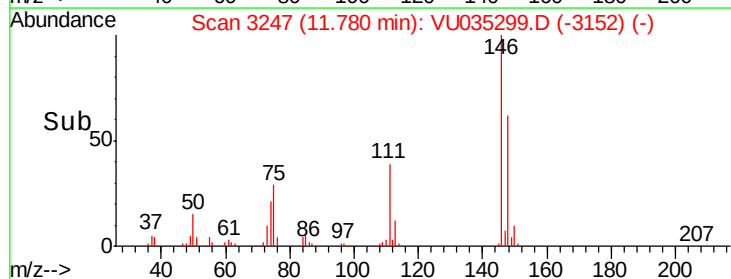
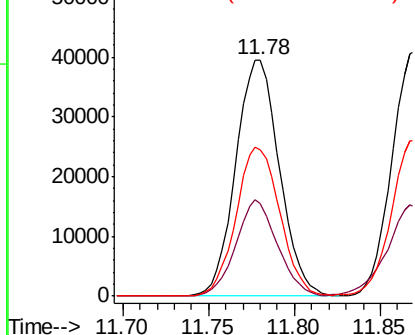


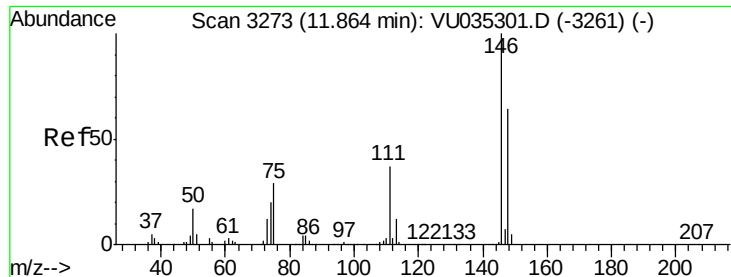
#62
1,3-Dichlorobenzene
Concen: 10.124 ug/L
RT: 11.78 min Scan# 3247
Delta R.T. 0.01 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion:146 Resp: 69891
Ion Ratio Lower Upper
146 100
111 39.2 27.3 50.7
148 62.0 44.8 83.2



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

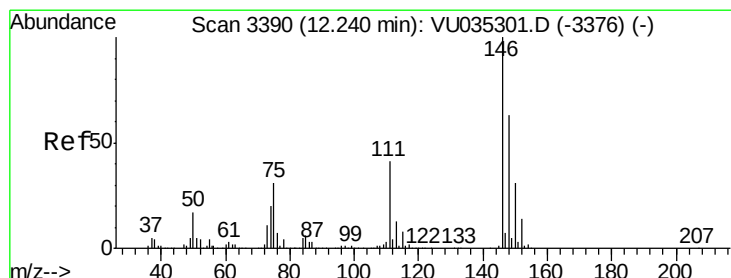
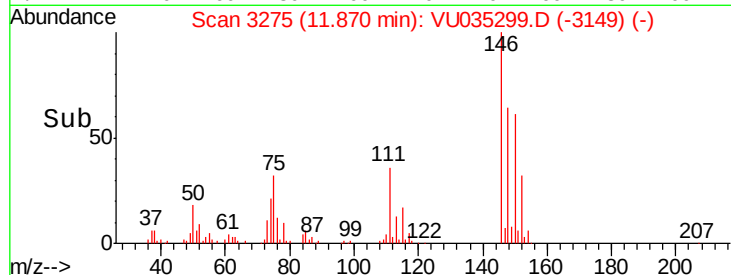
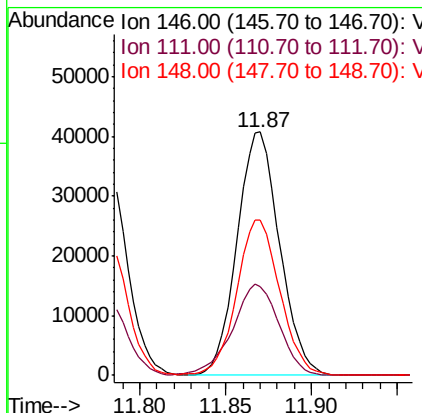
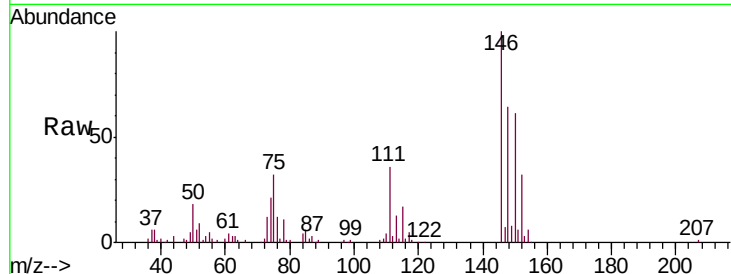




#63
 1,4-Dichlorobenzene
 Concen: 10.384 ug/L
 RT: 11.87 min Scan# 3275
 Delta R.T. 0.01 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

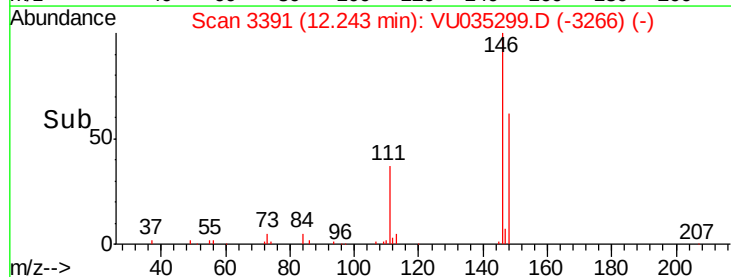
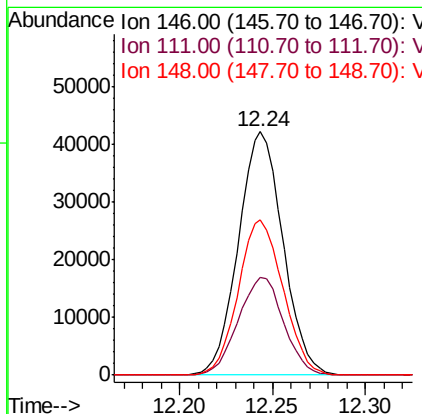
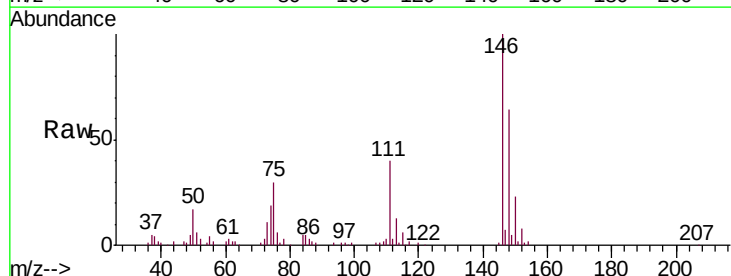
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

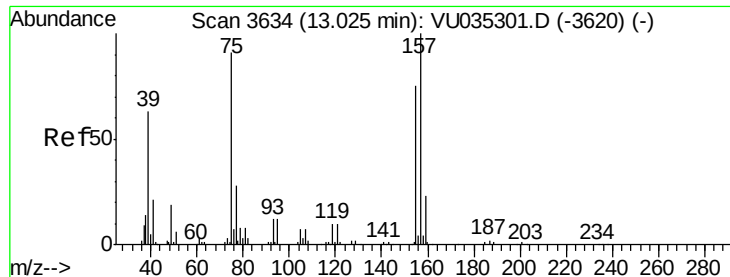
Tgt Ion:146 Resp: 70315
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.2 48.8
 148 63.6 44.5 82.7



#65
 1,2-Dichlorobenzene
 Concen: 10.239 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion:146 Resp: 70565
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.8 49.2
 148 63.6 50.2 75.4





#66

1,2-Dibromo-3-chloropropane

Concen: 9.046 ug/L

RT: 13.03 min Scan# 3635

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

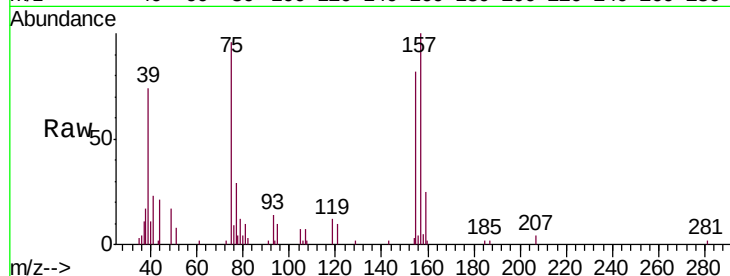
Tgt Ion: 75 Resp: 9888

Ion Ratio Lower Upper

75 100

155 85.5 66.2 99.2

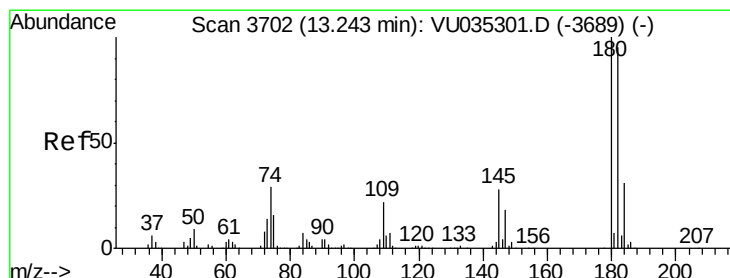
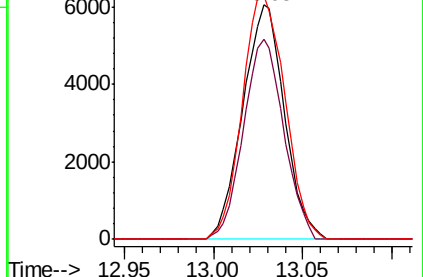
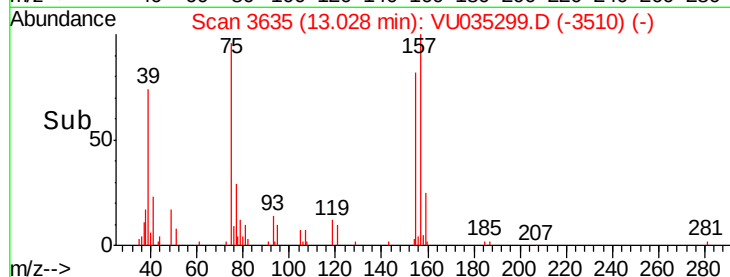
157 103.9 88.2 132.2



Abundance Ion 75.00 (74.70 to 75.70): VU035299.D (-3510) (-)

Ion 155.00 (154.70 to 155.70): VU035299.D (-3510) (-)

Ion 157.00 (156.70 to 157.70): VU035299.D (-3510) (-)



#67

1,3,5-Trichlorobenzene

Concen: 7.762 ug/L

RT: 13.25 min Scan# 3703

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion: 180 Resp: 30325

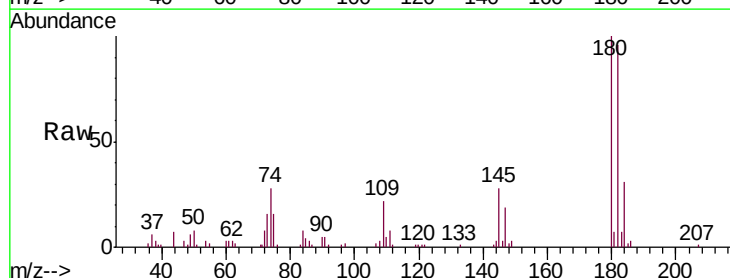
Ion Ratio Lower Upper

180 100

182 96.3 76.5 114.7

184 29.1 24.5 36.7

145 28.8 22.2 33.4

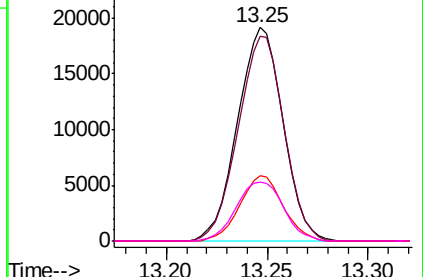
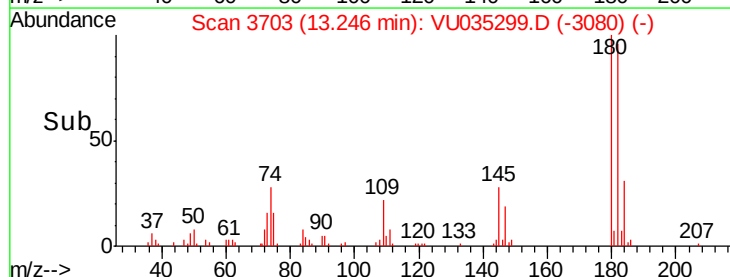


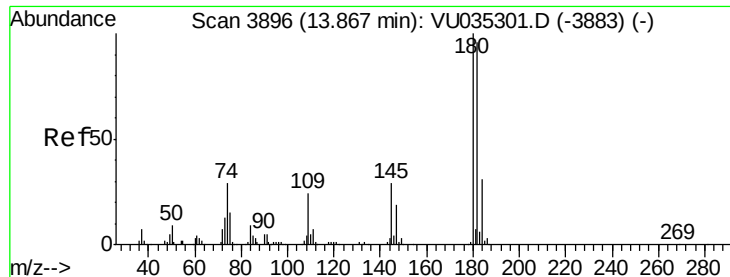
Abundance Ion 180.00 (179.70 to 180.70): VU035299.D (-3080) (-)

Ion 182.00 (181.70 to 182.70): VU035299.D (-3080) (-)

Ion 184.00 (183.70 to 184.70): VU035299.D (-3080) (-)

Ion 145.00 (144.70 to 145.70): VU035299.D (-3080) (-)





#68

1,2,4-trichlorobenzene

Concen: 5.256 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampled :

VSTD00534

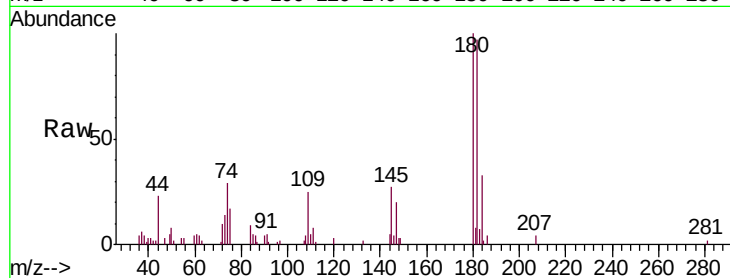
Tgt Ion:180 Resp: 13054

Ion Ratio Lower Upper

180 100

182 96.9 76.2 114.2

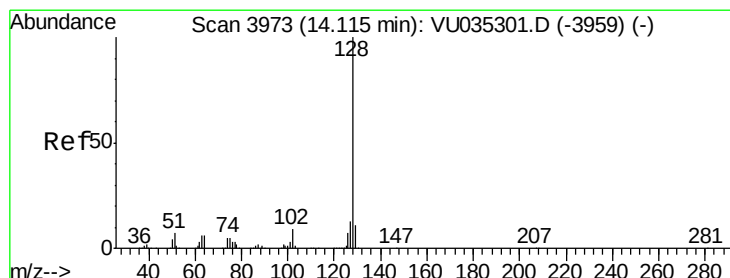
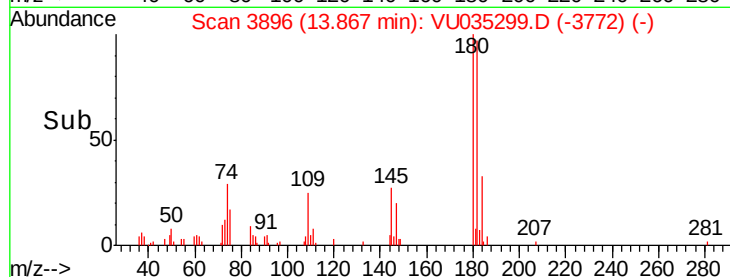
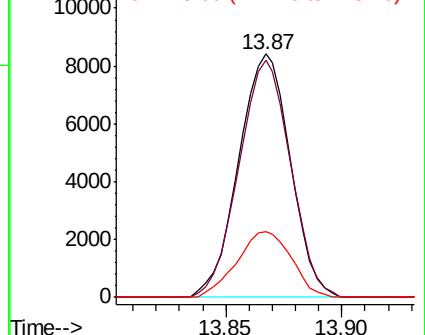
145 28.3 22.8 34.2



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: 5.804 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

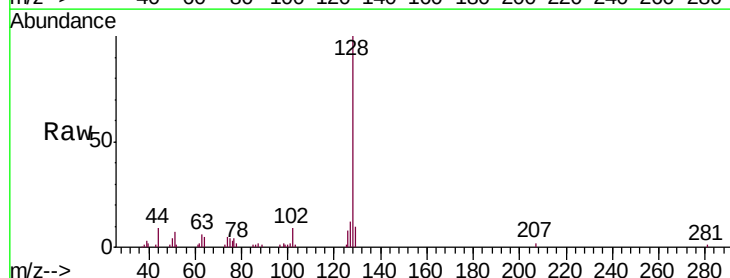
Tgt Ion:128 Resp: 36003

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

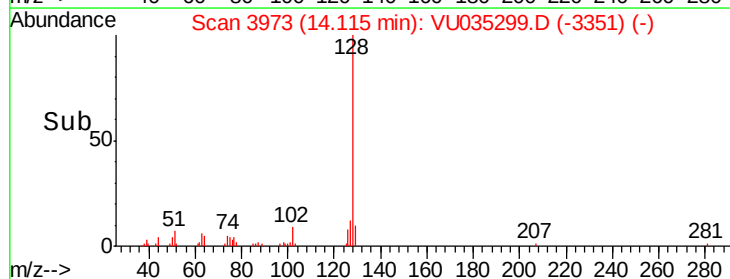
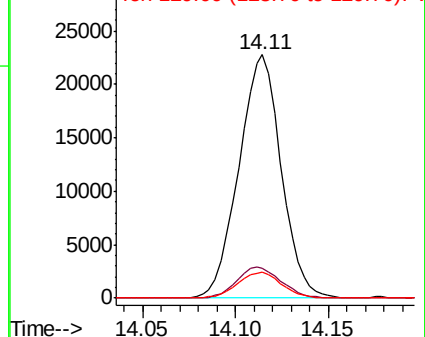
129 10.9 8.6 13.0

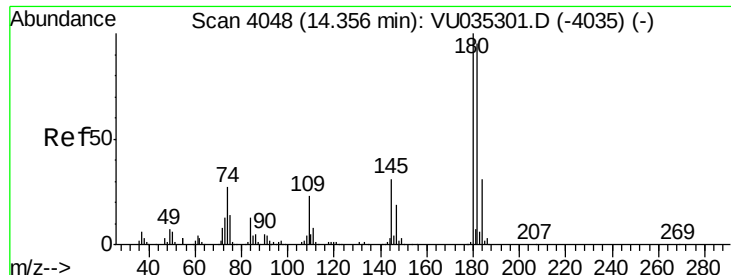


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

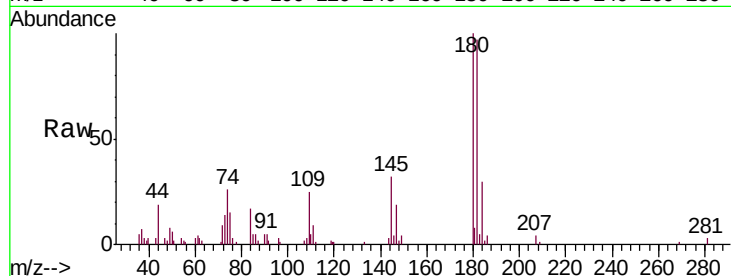




#70
 1,2,3-Trichlorobenzene
 Concen: 5.171 ug/L
 RT: 14.36 min Scan# 4048
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	76.2	114.2
145	31.6	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

