

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035399.D
 Acq On : 23 Oct 2019 09:49
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:14:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:45:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	255798	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	255640	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	126421	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61483	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	64046	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.60	63	129397	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.71	46	269066	60.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.06%
24) Chloroform-d	5.12	84	145427	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	79997	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.77	84	252289	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.73	67	90679	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.93	98	228437	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	8.21	79	35365	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.68	63	202996	51.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.20%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91227	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	94609	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	118614	5.448	ug/L 100
3) Chloromethane	1.53	50	120661	5.587	ug/L 99
5) Vinyl chloride	1.62	62	126556	5.706	ug/L 100
6) Bromomethane	1.88	94	69555	5.312	ug/L 99
8) Chloroethane	1.95	64	78949	5.521	ug/L 98
9) Trichlorofluoromethane	2.16	101	159442	5.385	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	91300	5.352	ug/L 93
12) 1,1-Dichloroethene	2.61	96	85178	5.183	ug/L 88
13) Acetone	2.69	43	190635	61.143	ug/L 97
14) Carbon disulfide	2.82	76	267798	5.154	ug/L 99
15) Methyl Acetate	3.00	43	40743	5.244	ug/L 98
16) Methylene chloride	3.08	84	100897	5.104	ug/L 96
17) Methyl tert-butyl Ether	3.43	73	217684	4.922	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	91287	5.147	ug/L 97
19) 1,1-Dichloroethane	3.92	63	181365	5.655	ug/L 99
21) 2-Butanone	4.79	43	277332	54.574	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	102241	5.216	ug/L 94

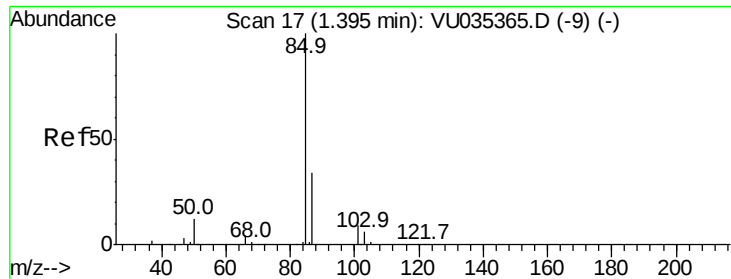
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\
 Data File : VU035399.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	44950	5.327	ug/L	94
25) Chloroform	5.14	83	190734	5.420	ug/L	99
27) 1,2-Dichloroethane	5.84	62	118531	5.492	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	153167	5.115	ug/L	99
30) Cyclohexane	5.43	56	147721	4.606	ug/L	98
31) Carbon tetrachloride	5.57	117	132106	4.899	ug/L	99
33) Benzene	5.82	78	395200	5.254	ug/L	100
34) Trichloroethene	6.58	95	100598	4.975	ug/L	97
35) Methylcyclohexane	6.80	83	148903	4.406	ug/L	97
37) 1,2-Dichloropropane	6.83	63	104967	5.497	ug/L	99
38) Bromodichloromethane	7.15	83	131782	5.123	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	148424	4.644	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	668872	51.890	ug/L	98
42) Toluene	8.00	91	423800	5.104	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	123143	4.715	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	75665	5.337	ug/L	99
47) Tetrachloroethene	8.58	164	80495	4.778	ug/L	99
48) 2-Hexanone	8.74	43	468076	51.778	ug/L	99
49) Dibromochloromethane	8.84	129	89998	5.008	ug/L	100
50) 1,2-Dibromoethane	8.96	107	71968	5.079	ug/L	100
51) Chlorobenzene	9.48	112	267444	4.989	ug/L	99
52) Ethylbenzene	9.60	91	455027	4.819	ug/L	100
53) m,p-Xylene	9.72	106	166377	4.667	ug/L	97
54) o-Xylene	10.13	106	163280	4.692	ug/L	98
55) Styrene	10.14	104	279443	4.933	ug/L	98
56) Isopropylbenzene	10.51	105	438353	4.683	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	97931	5.368	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	69529	5.226	ug/L	100
61) Bromoform	10.32	173	51328	4.383	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	209948	4.867	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	210830	4.971	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	198230	4.891	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	13925	4.864	ug/L	86
67) 1,3,5-Trichlorobenzene	13.24	180	132742	4.965	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	94066	5.286	ug/L	99
69) Naphthalene	14.11	128	126025	5.159	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	93774	5.635	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.448 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

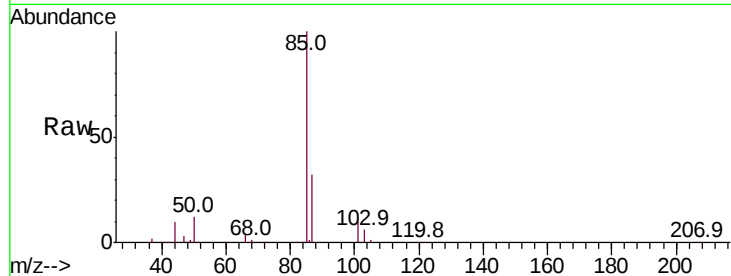
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 118614

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035365.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035365.D (-9) (-)

120000

100000

80000

60000

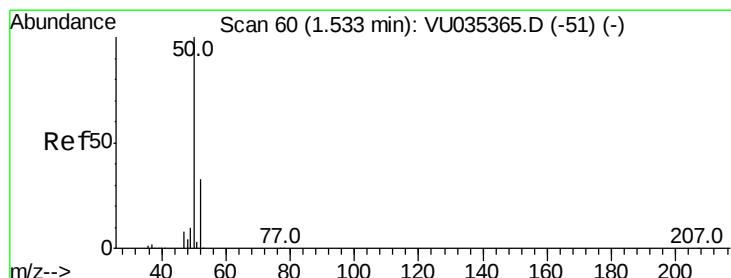
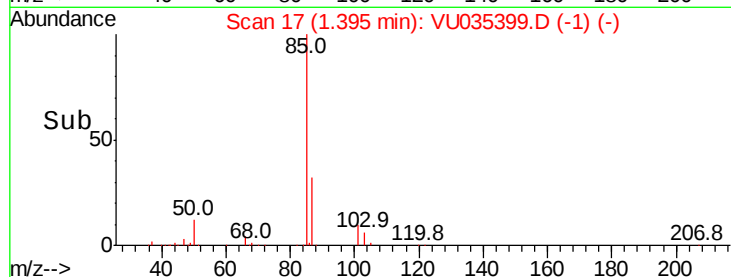
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 5.587 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035399.D

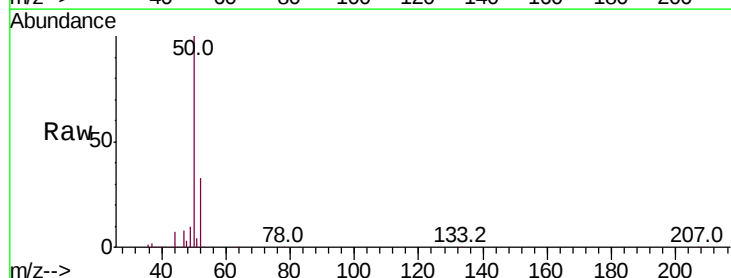
Acq: 23 Oct 2019 09:49

Tgt Ion: 50 Resp: 120661

Ion Ratio Lower Upper

50 100

52 33.1 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035365.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU035365.D (-51) (-)

120000

100000

80000

60000

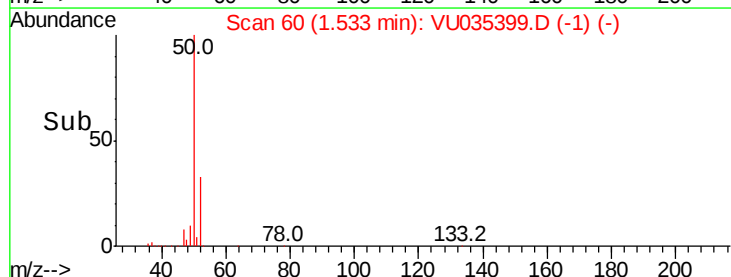
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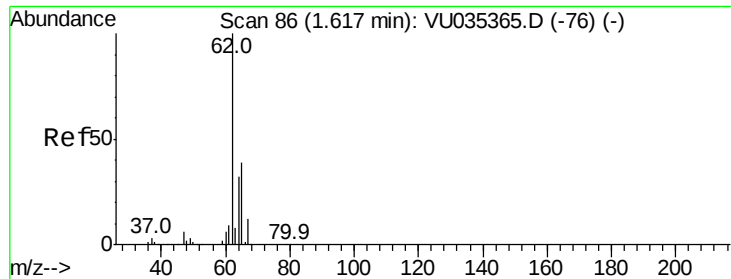
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 5.706 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

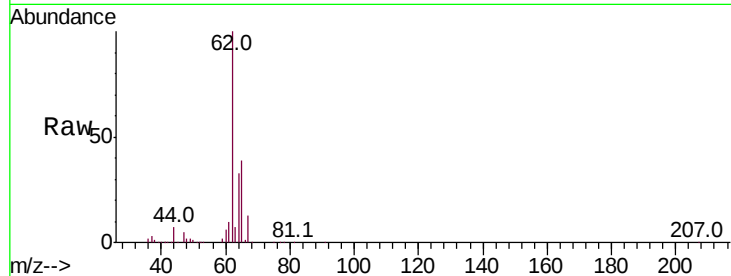
ClientSampled :

Tot Ion: 62 Resp: 126556

Ion Ratio Lower Upper

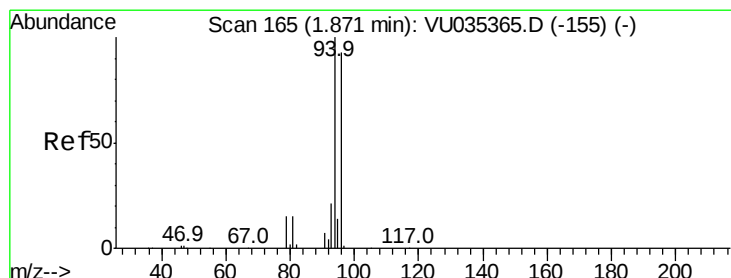
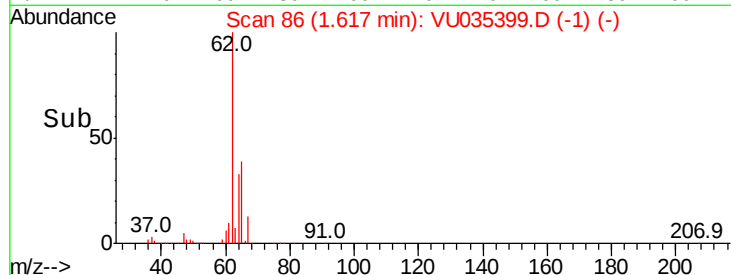
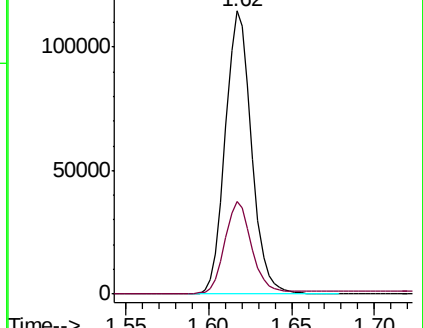
62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035365.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035399.D (-1) (-)



#6

Bromomethane

Concen: 5.312 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035399.D

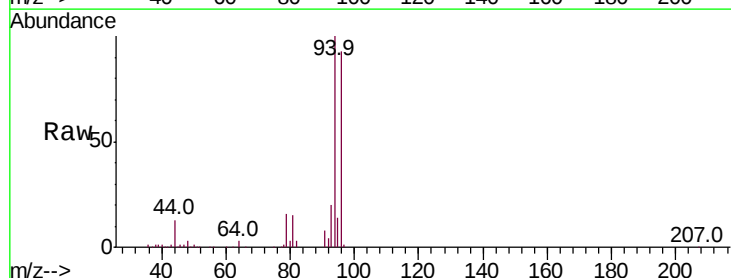
Acq: 23 Oct 2019 09:49

Tgt Ion: 94 Resp: 69555

Ion Ratio Lower Upper

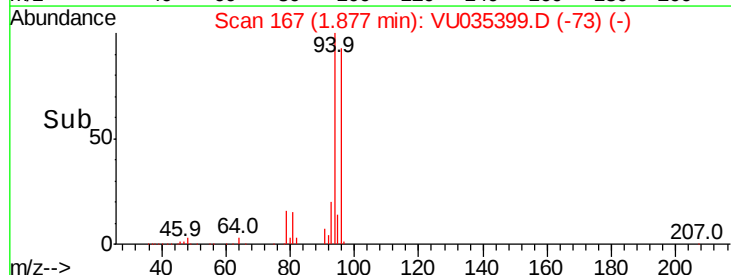
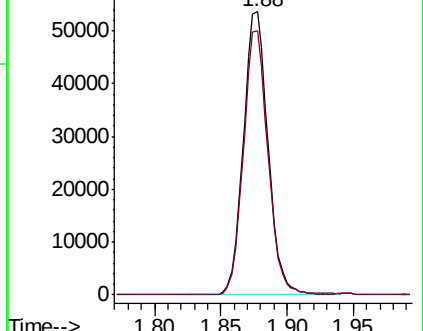
94 100

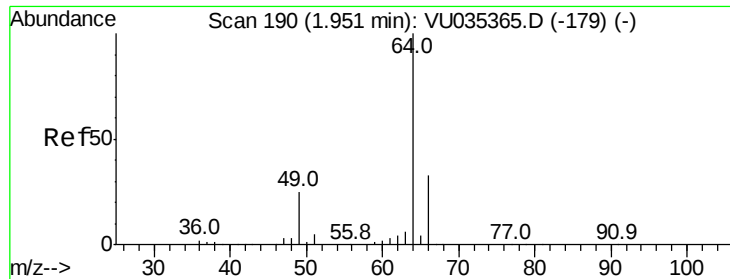
96 93.3 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035365.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU035399.D (-73) (-)

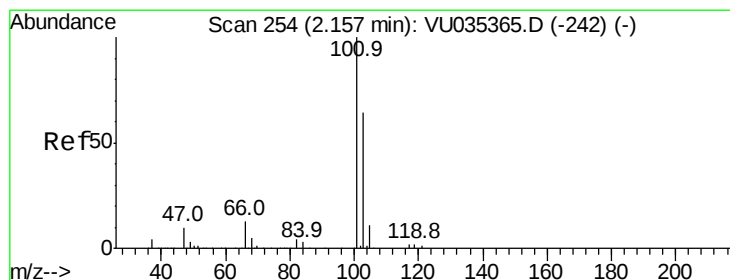
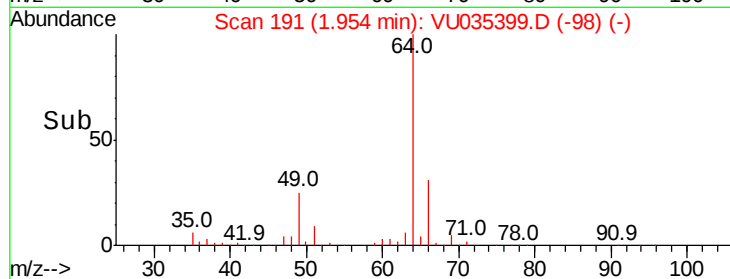
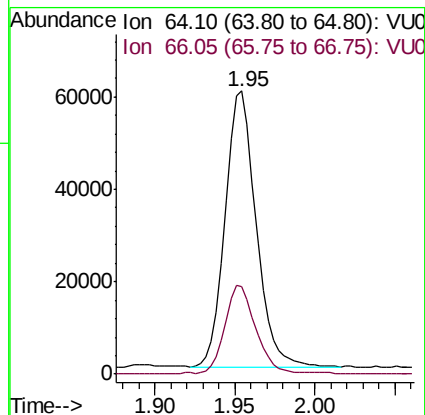
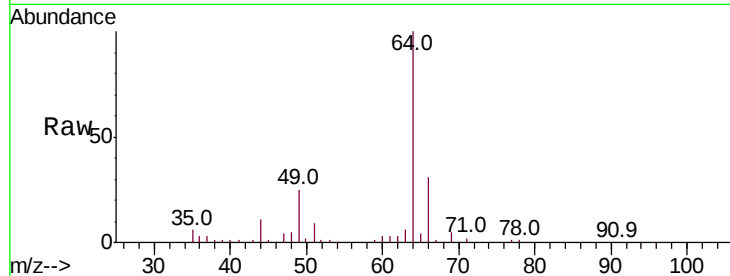




#8
Chloroethane
Concen: 5.521 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

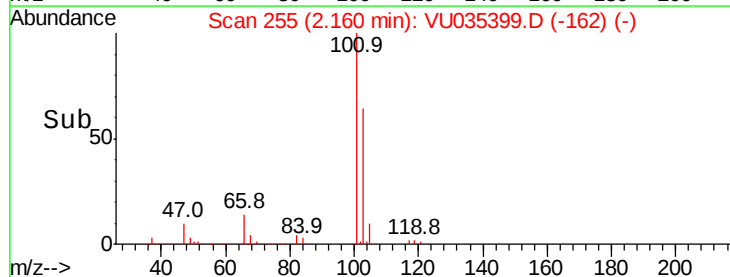
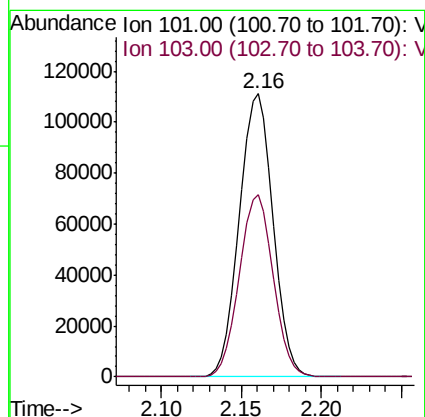
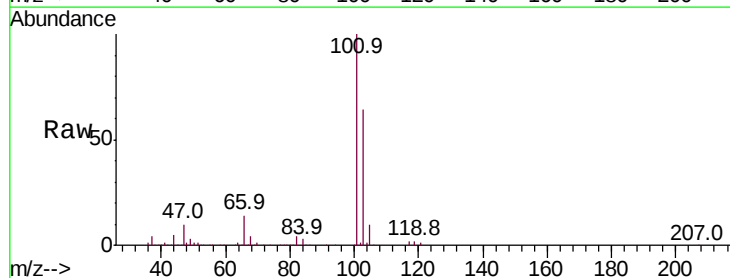
Instrument :
MSVOA_U
ClientSampleId :

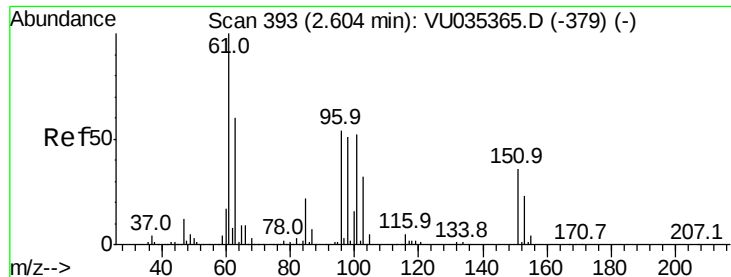
Tot Ion: 64 Resp: 78949
Ion Ratio Lower Upper
64 100
66 31.1 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.385 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion: 101 Resp: 159442
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9





#10

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

Concen: 5.352 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

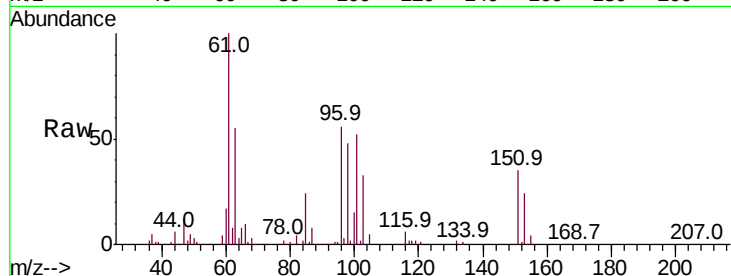
Tot Ion:101 Resp: 91300

Ion	Ratio	Lower	Upper
101	100		
85	45.4	33.9	50.9
151	69.6	61.0	91.4

101 100

85 45.4 33.9 50.9

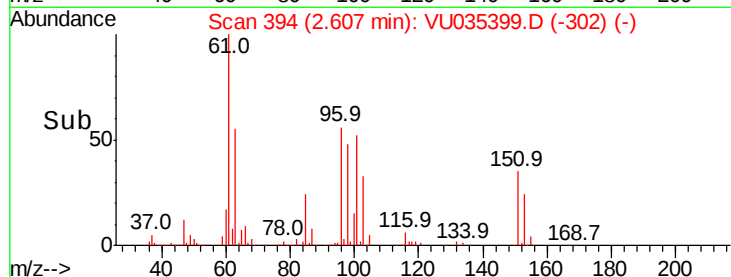
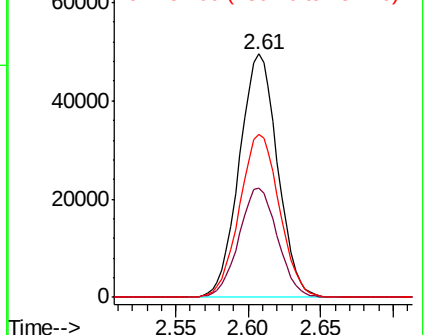
151 69.6 61.0 91.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.183 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

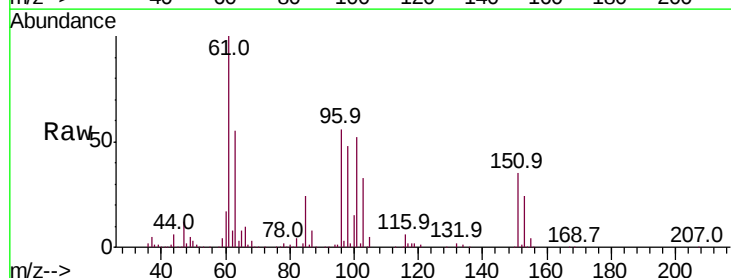
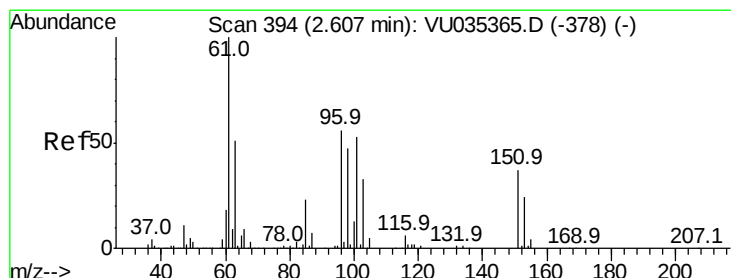
Tgt Ion: 96 Resp: 85178

Ion	Ratio	Lower	Upper
96	100		
61	179.3	120.6	224.0
63	98.9	86.8	161.2

96 100

61 179.3 120.6 224.0

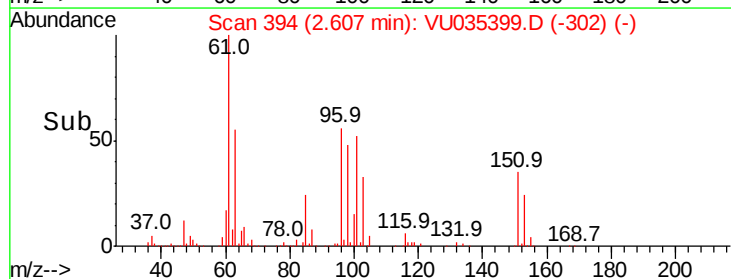
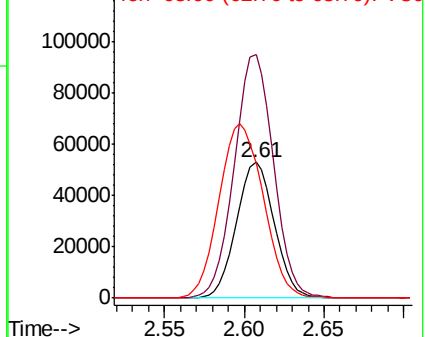
63 98.9 86.8 161.2

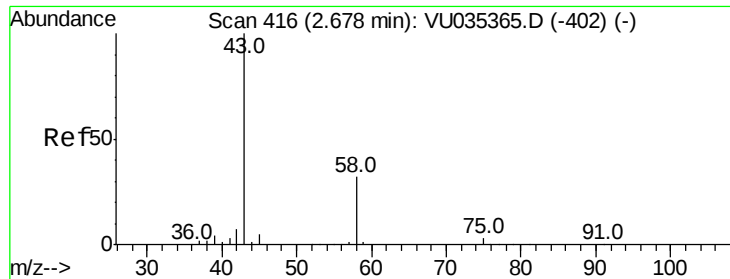


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 61.143 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.02 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

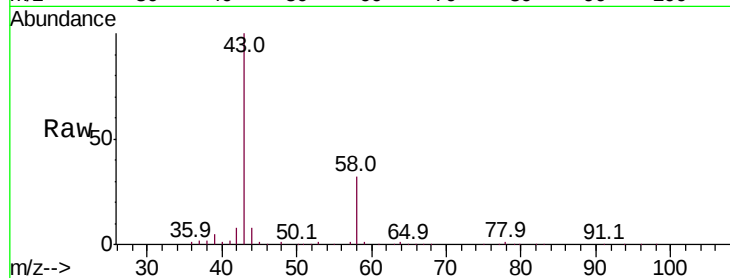
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 190635

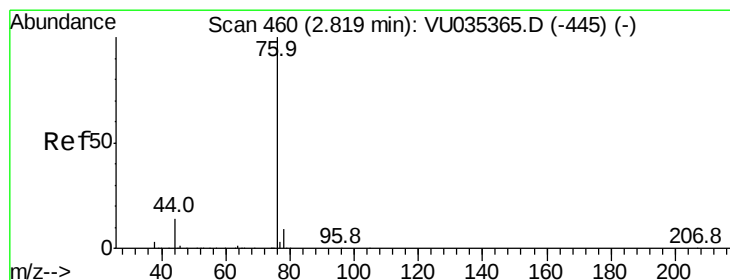
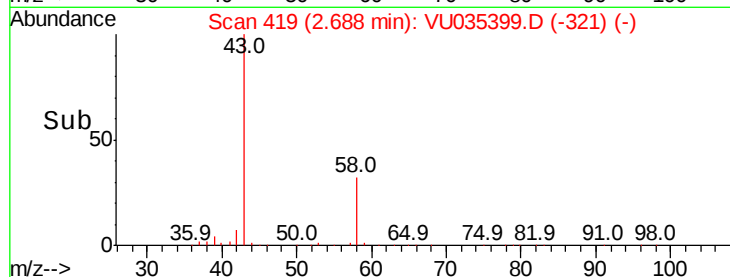
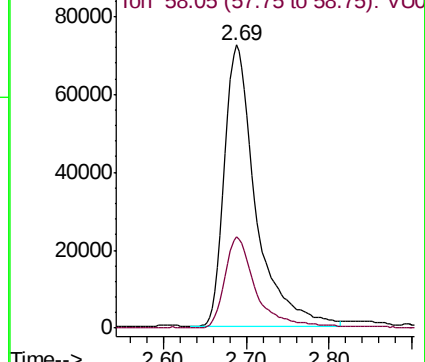
Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035399.D (-321) (-)



#14

Carbon disulfide

Concen: 5.154 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU035399.D

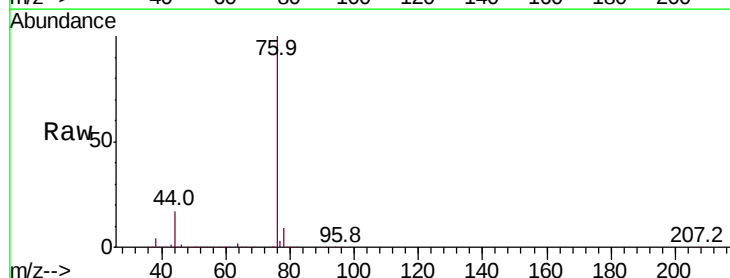
Acq: 23 Oct 2019 09:49

Tgt Ion: 76 Resp: 267798

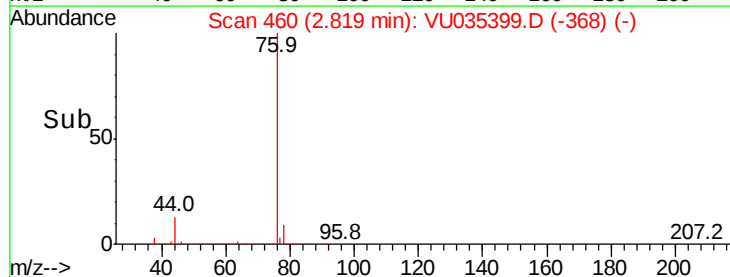
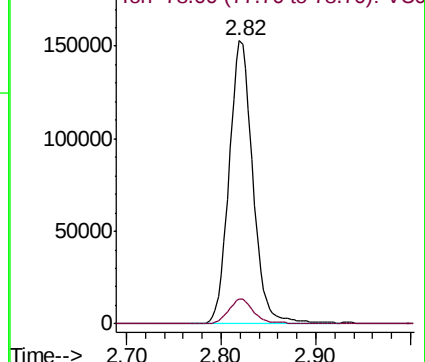
Ion Ratio Lower Upper

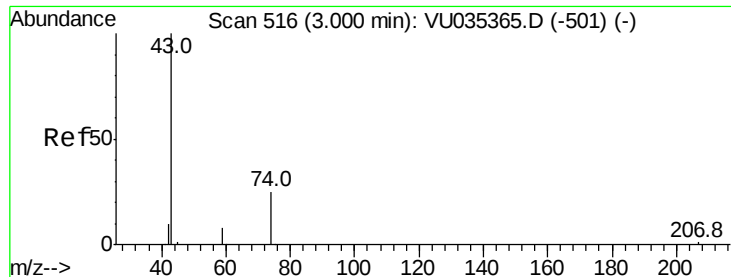
76 100

78 9.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035399.D (-368) (-)

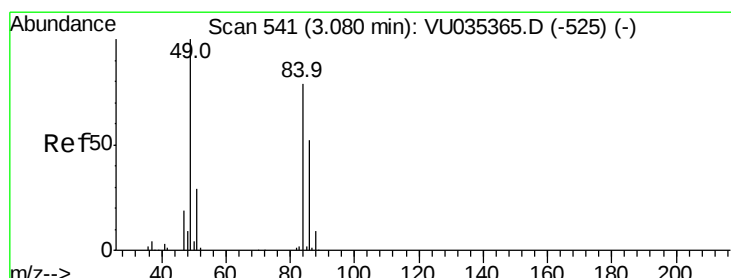
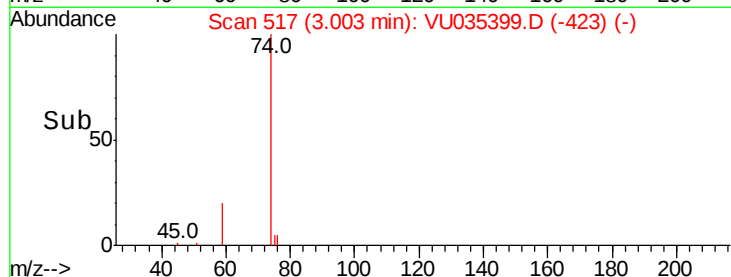
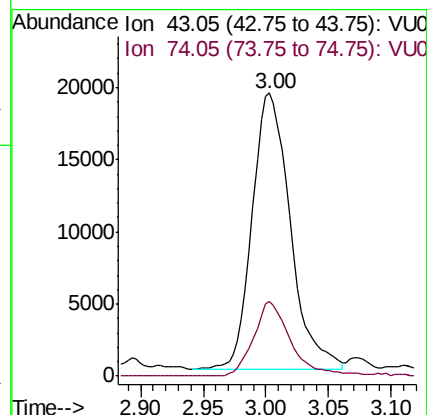
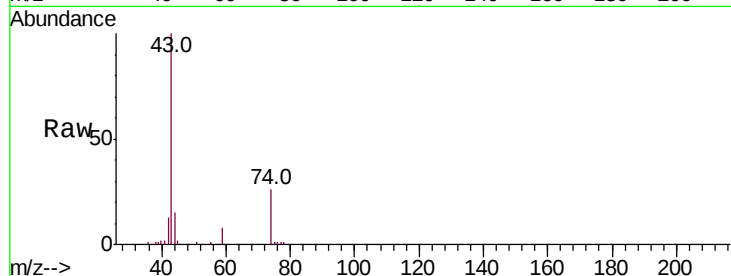




#15
Methvl Acetate
Concen: 5.244 ug/L
RT: 3.00 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

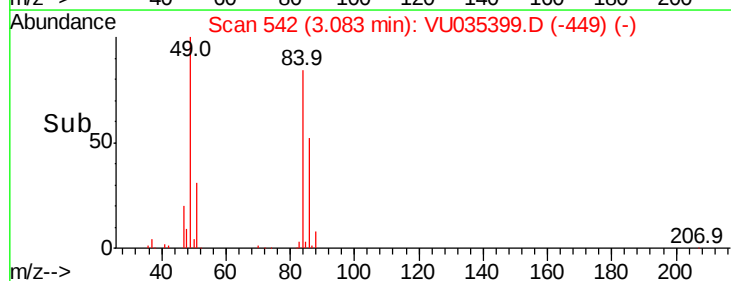
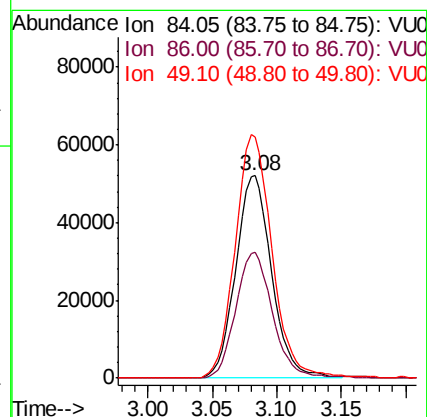
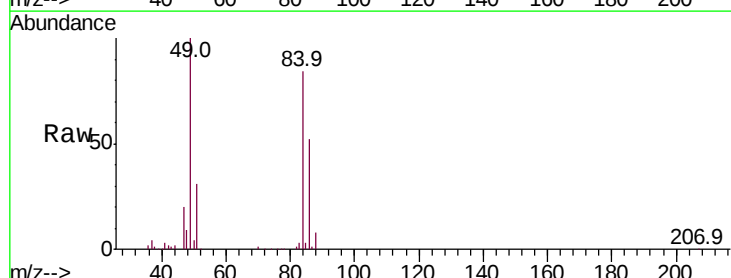
Instrument :
MSVOA_U
ClientSampleId :

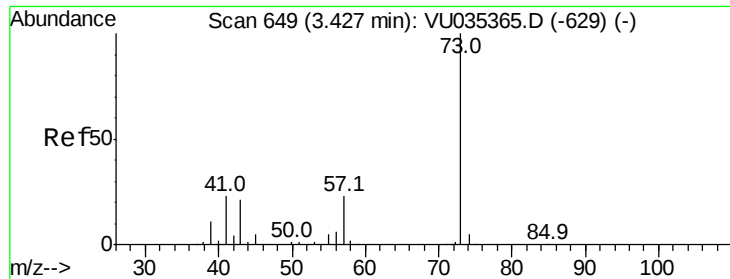
Tot Ion: 43 Resp: 40743
Ion Ratio Lower Upper
43 100
74 26.3 20.3 30.5



#16
Methylene chloride
Concen: 5.104 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion: 84 Resp: 100897
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.2
49 119.3 86.8 161.2

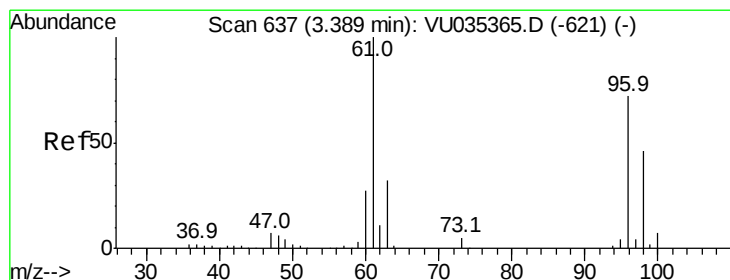
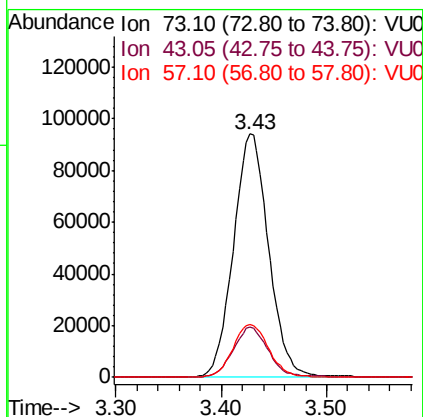
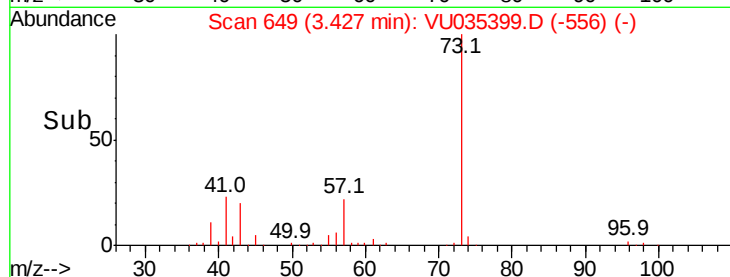
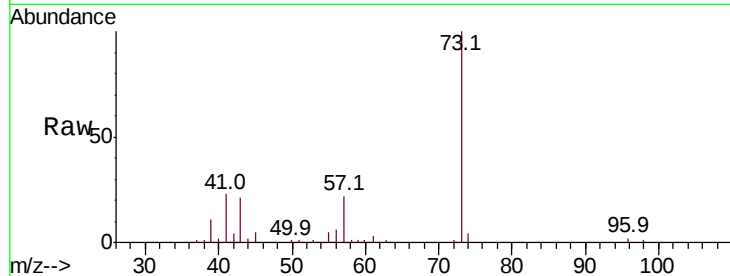




#17
Methvl tert-butvl Ether
Concen: 4.922 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

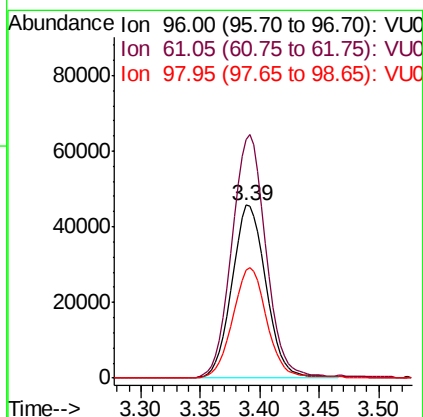
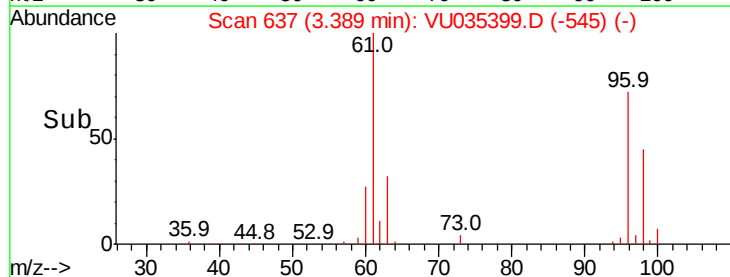
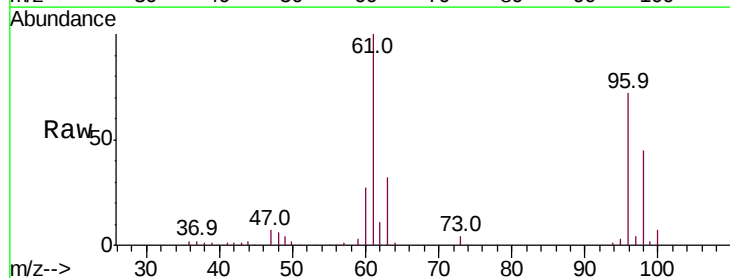
Instrument :
MSVOA_U
ClientSampleId :

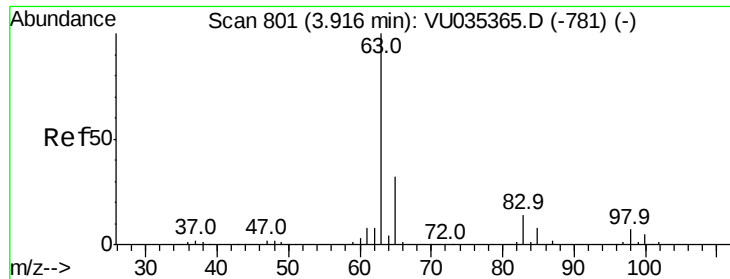
Tot Ion: 73 Resp: 217684
Ion Ratio Lower Upper
73 100
43 20.2 16.0 24.0
57 22.3 17.4 26.2



#18
trans-1,2-Dichloroethene
Concen: 5.147 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion: 96 Resp: 91287
Ion Ratio Lower Upper
96 100
61 138.0 93.0 172.6
98 62.4 43.7 81.1

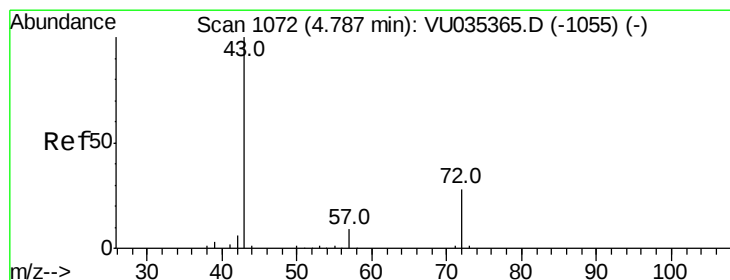
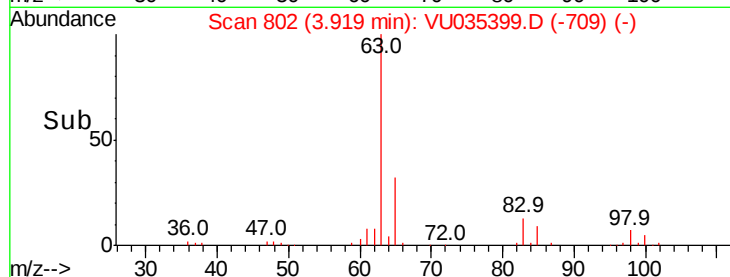
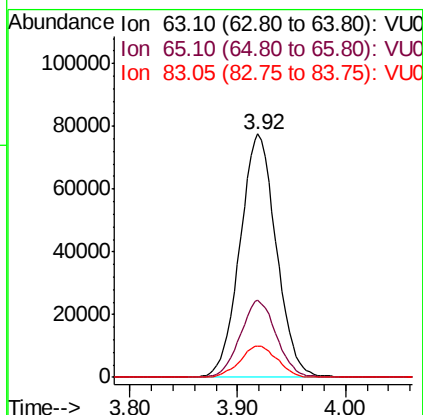
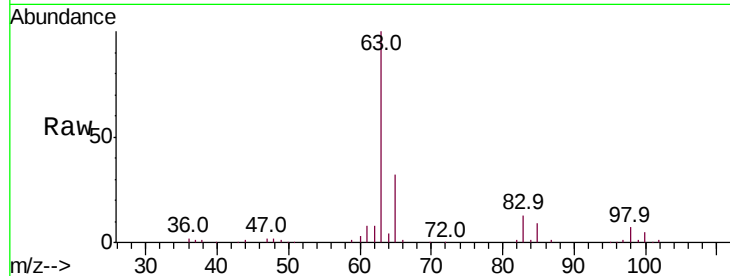




#19
 1,1-Dichloroethane
 Concen: 5.655 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

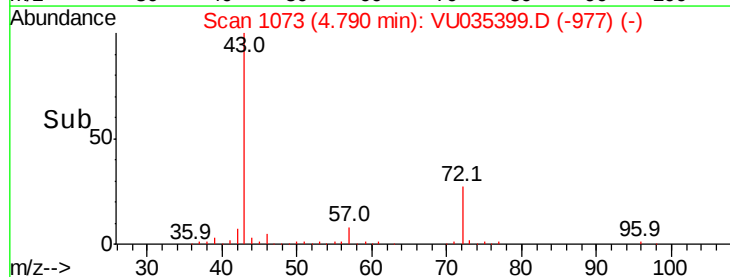
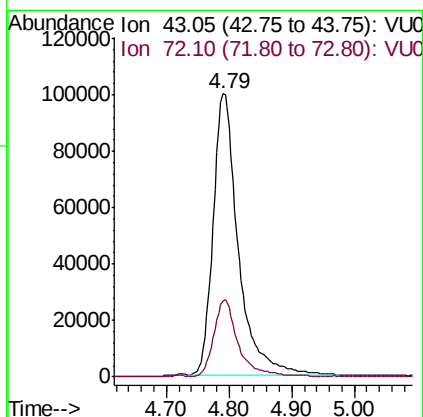
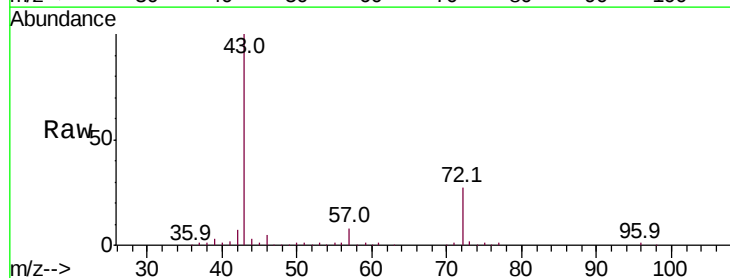
Instrument :
 MSVOA_U
 ClientSampled :

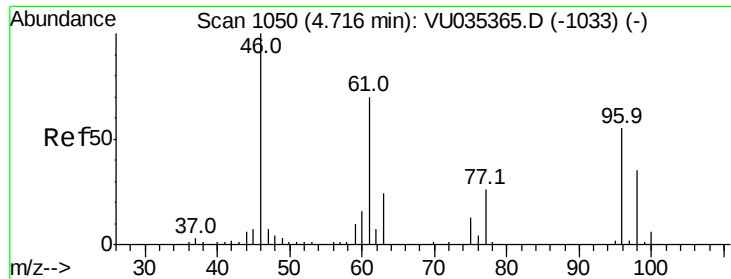
Tot Ion: 63 Resp: 181365
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.4 41.6
 83 13.0 9.3 17.3



#21
 2-Butanone
 Concen: 54.574 ug/L
 RT: 4.79 min Scan# 1073
 Delta R.T. 0.01 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion: 43 Resp: 277332
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.6 40.8

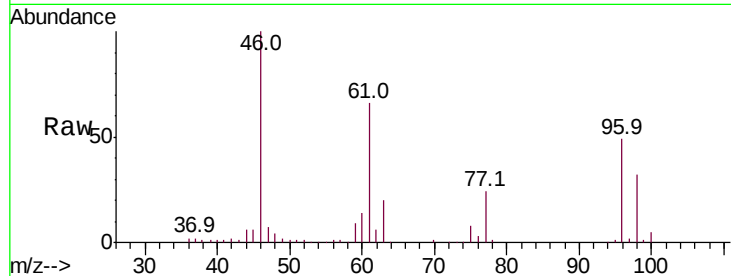




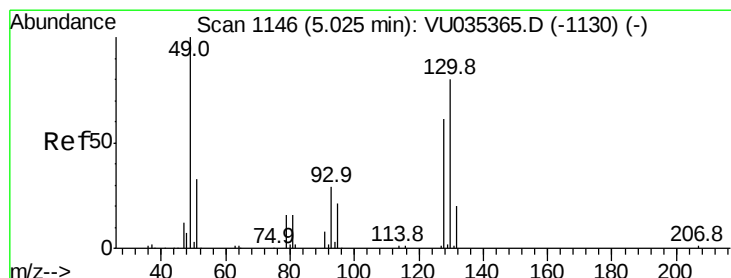
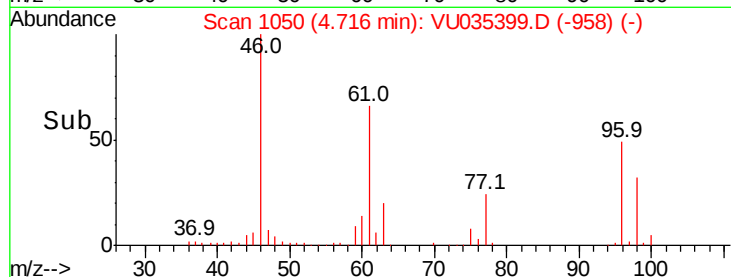
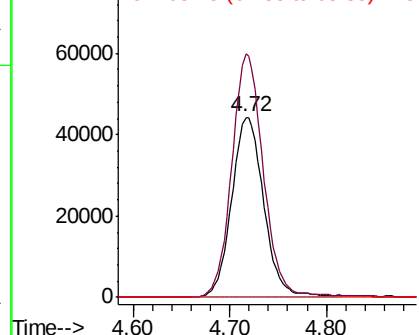
#22
 cis-1,2-Dichloroethene
 Concen: 5.216 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 96 Resp: 102241
 Ion Ratio Lower Upper
 96 100
 61 135.2 89.7 166.5
 68 0.0 0.0 0.0

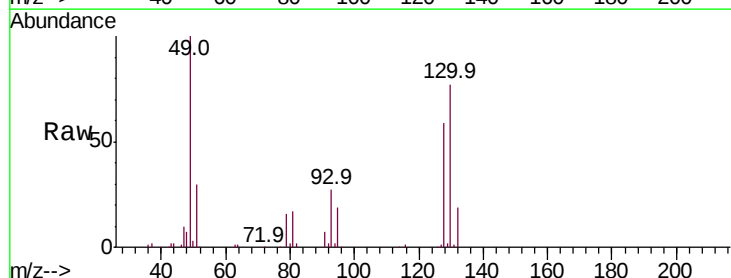


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

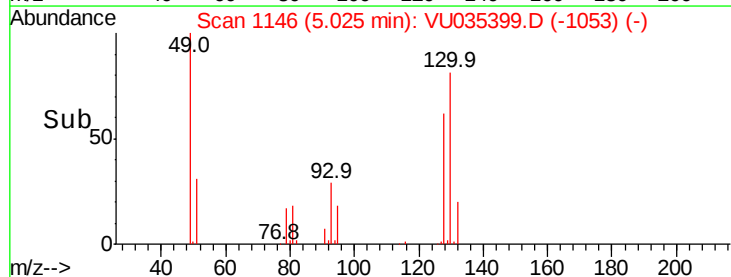
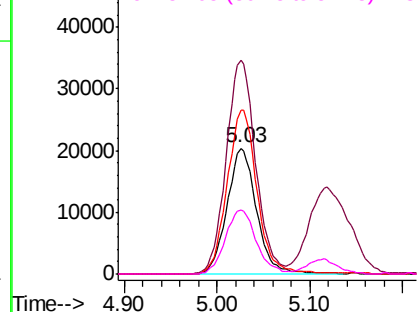


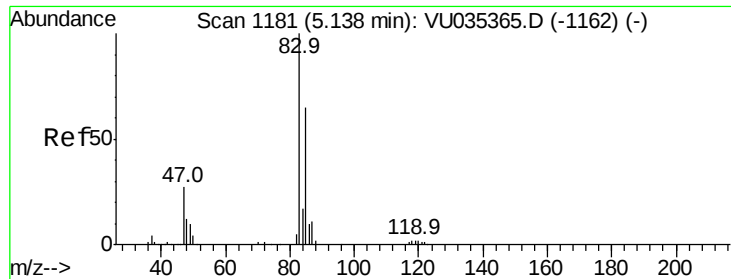
#23
 Bromochloromethane
 Concen: 5.327 ug/L
 RT: 5.03 min Scan# 1146
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion:128 Resp: 44950
 Ion Ratio Lower Upper
 128 100
 49 169.7 109.3 203.1
 130 130.0 88.7 164.7
 51 51.1 39.2 58.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

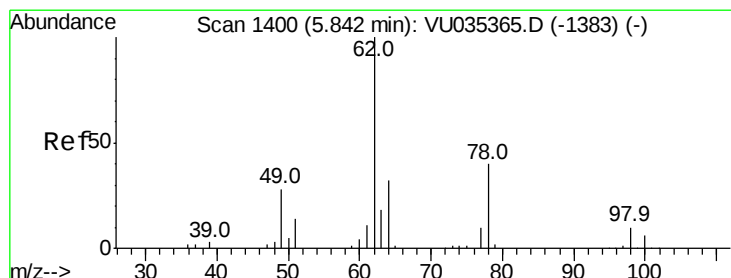
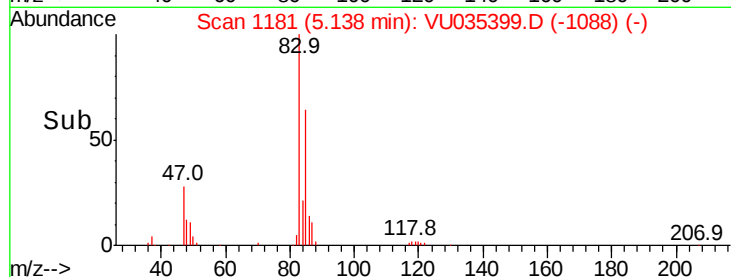
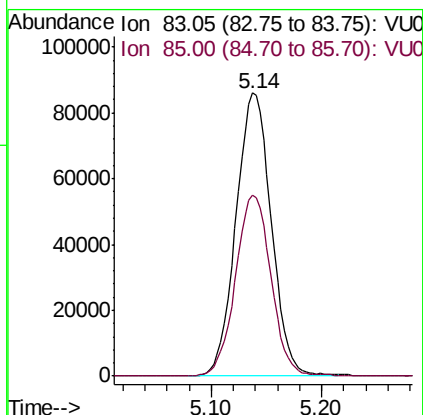
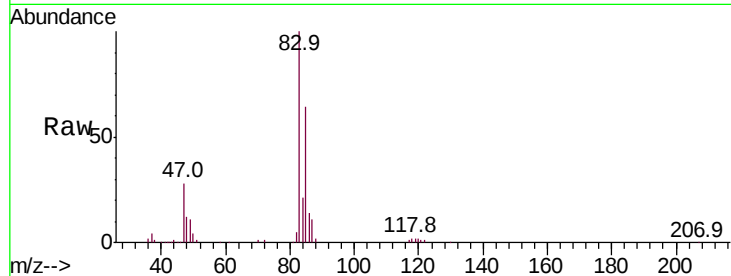




#25
Chloroform
Concen: 5.420 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

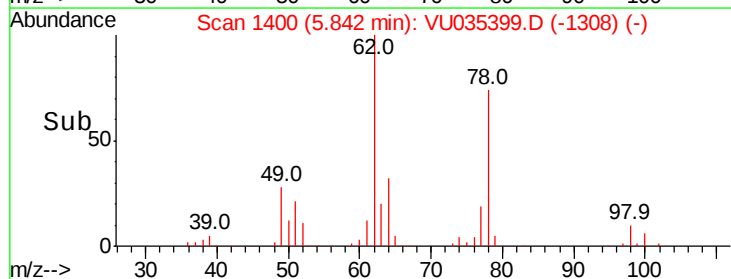
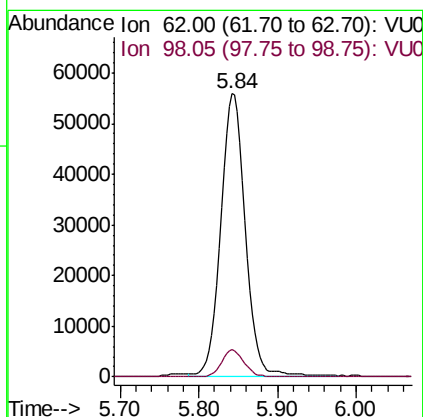
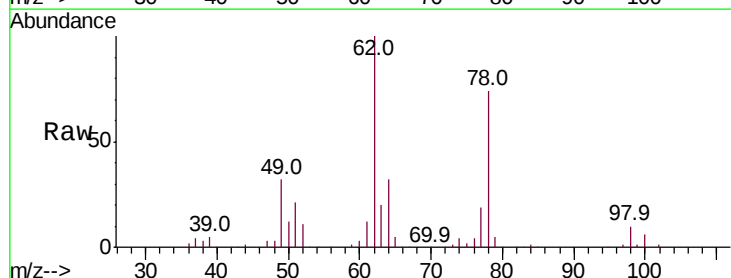
Instrument :
MSVOA_U
ClientSampleId :

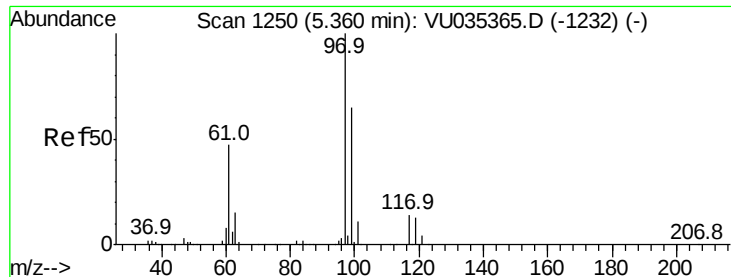
Tot Ion: 83 Resp: 190734
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.492 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion: 62 Resp: 118531
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

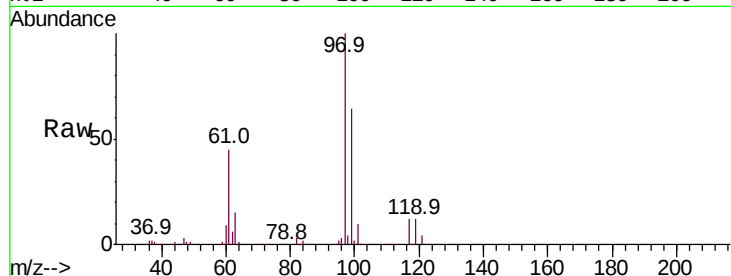




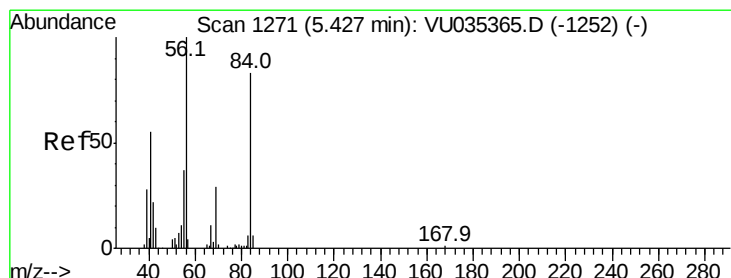
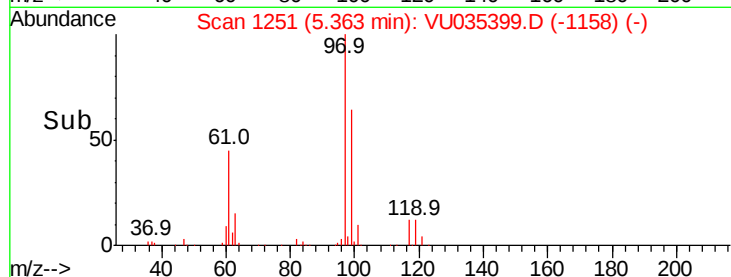
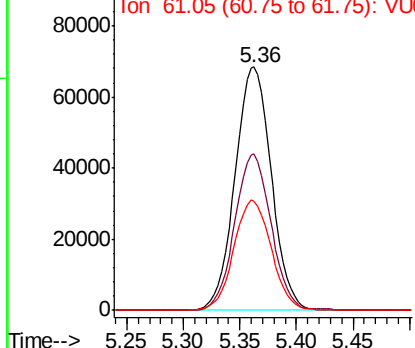
#29
 1,1,1-Trichloroethane
 Concen: 5.115 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.6	79.0
61	46.7	37.0	55.4

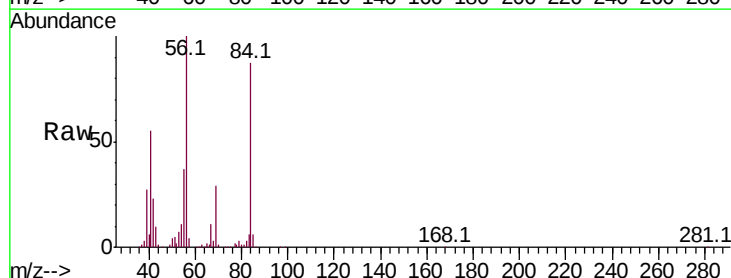


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

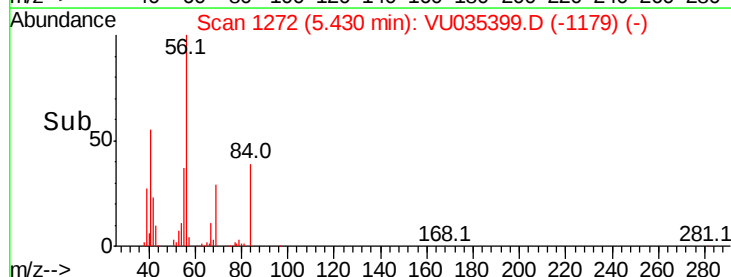
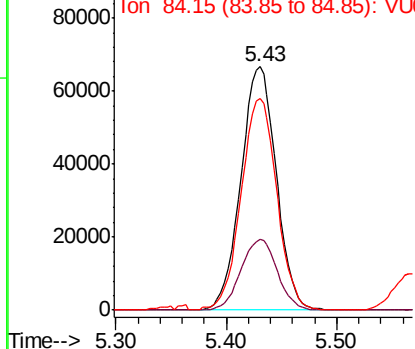


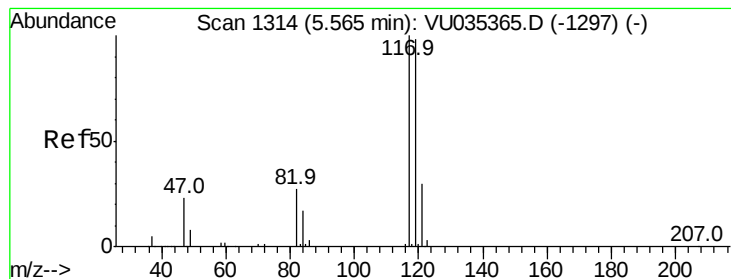
#30
 Cyclohexane
 Concen: 4.606 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.6	36.8
84	87.6	71.5	107.3



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





#31

Carbon tetrachloride

Concen: 4.899 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

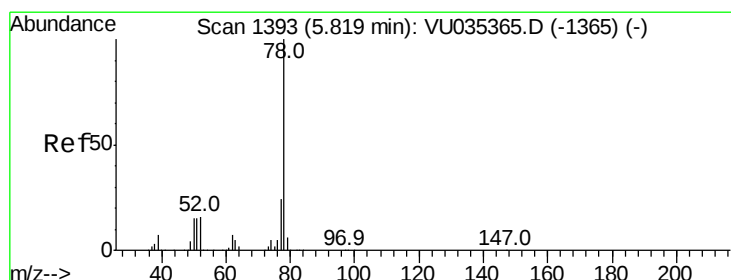
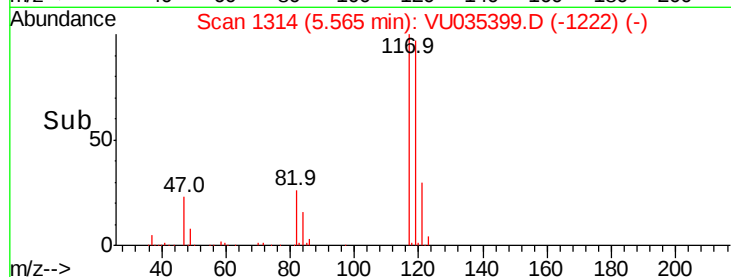
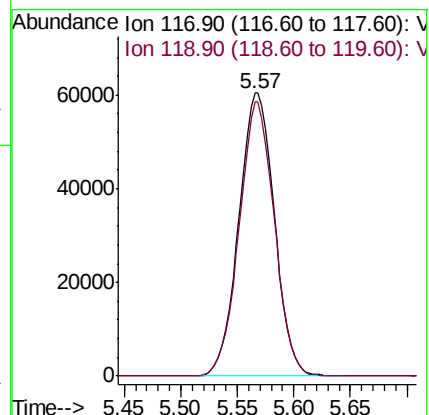
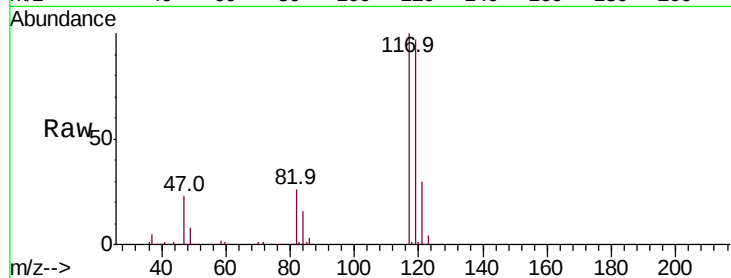
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 132106

Ion Ratio Lower Upper

117 100

119 95.8 77.4 116.0



#33

Benzene

Concen: 5.254 ug/L

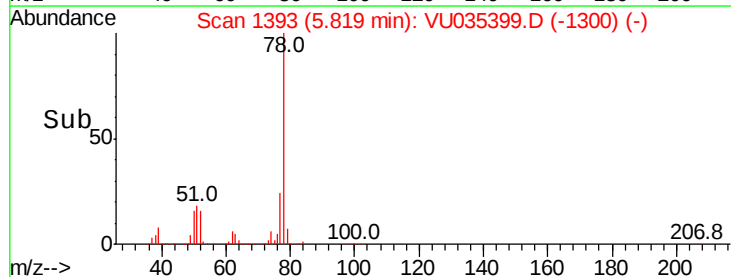
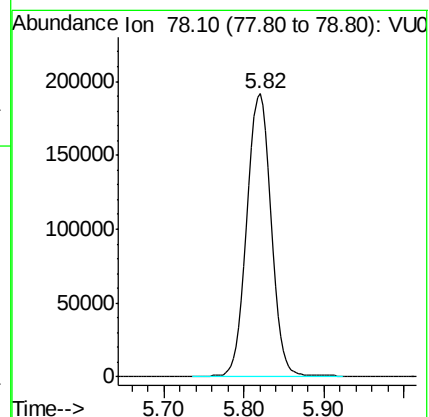
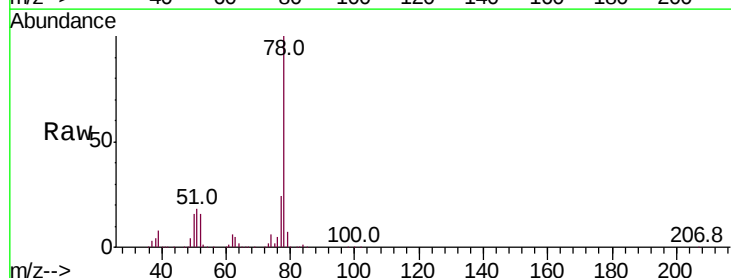
RT: 5.82 min Scan# 1393

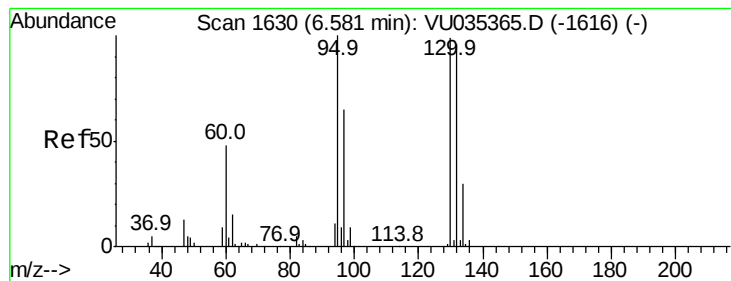
Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Tgt Ion: 78 Resp: 395200





#34

Trichloroethene

Concen: 4.975 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 100598

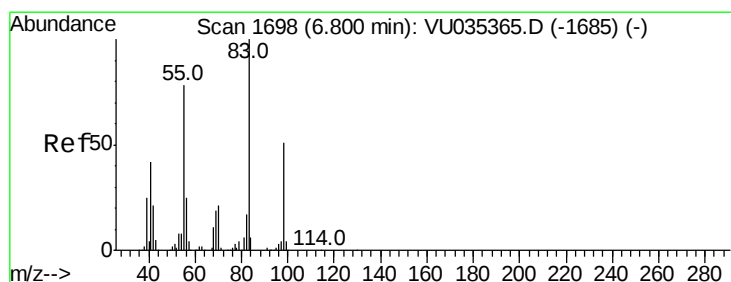
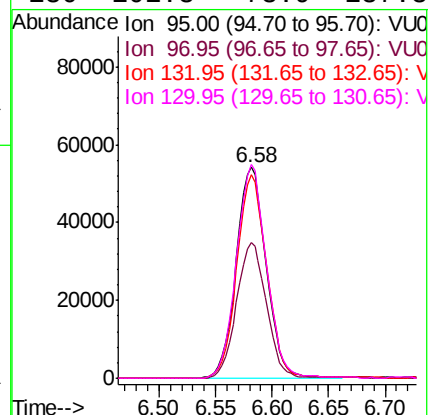
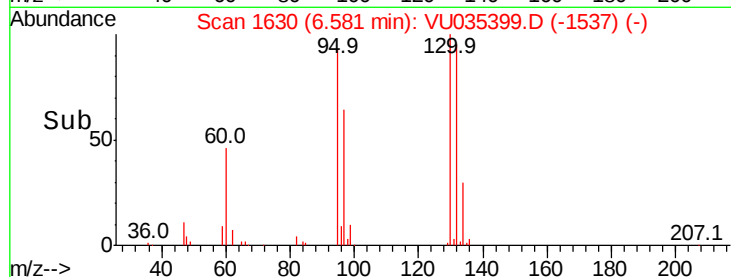
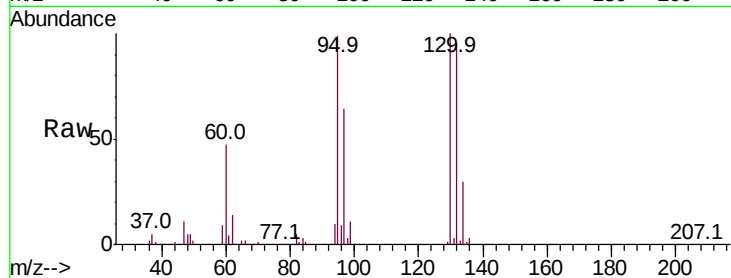
Ion Ratio Lower Upper

95 100

97 64.6 46.6 86.6

132 96.3 68.7 127.7

130 101.3 73.9 137.3



#35

Methylcyclohexane

Concen: 4.406 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

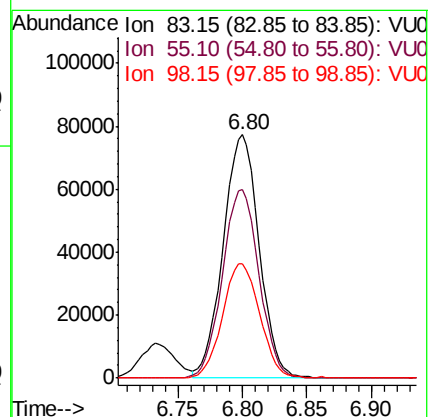
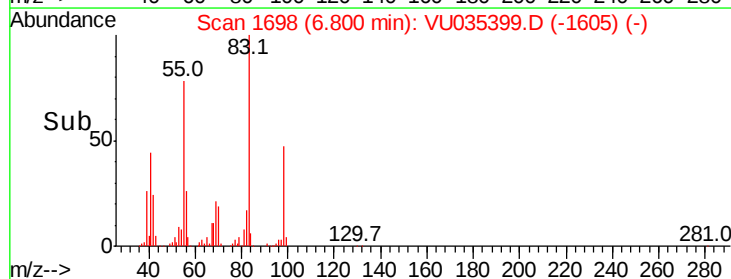
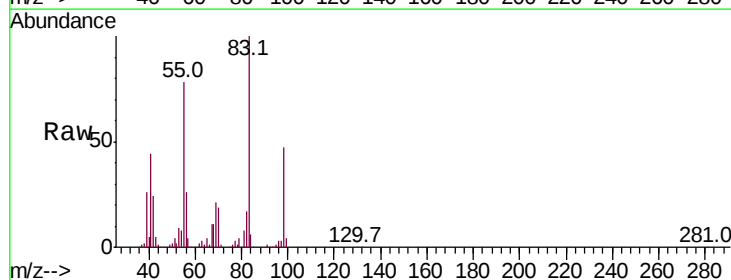
Tgt Ion: 83 Resp: 148903

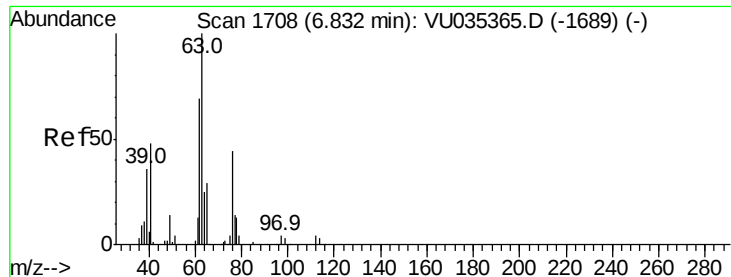
Ion Ratio Lower Upper

83 100

55 79.1 60.4 90.6

98 48.2 39.5 59.3

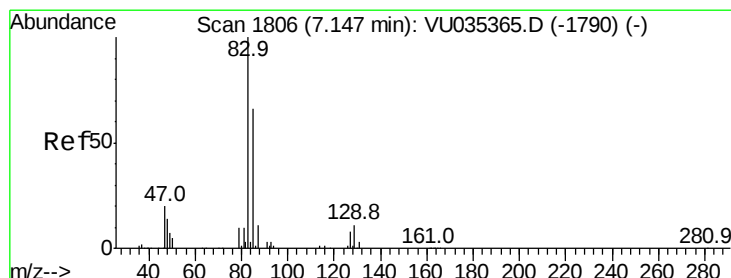
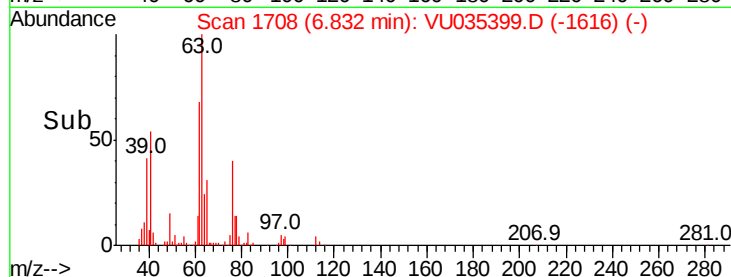
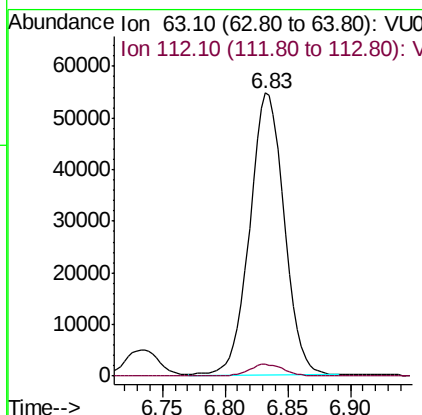
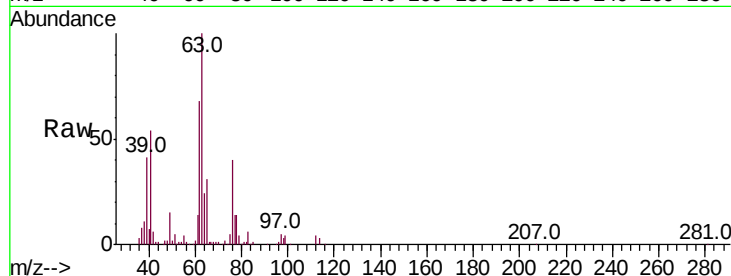




#37
 1,2-Dichloropropane
 Concen: 5.497 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

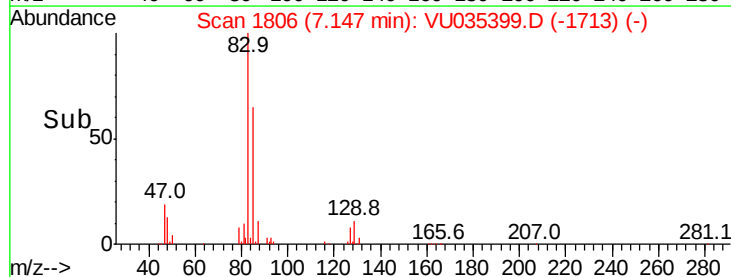
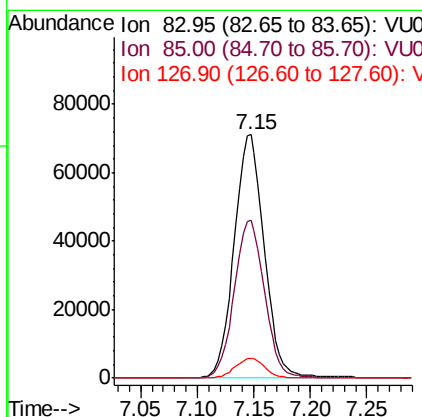
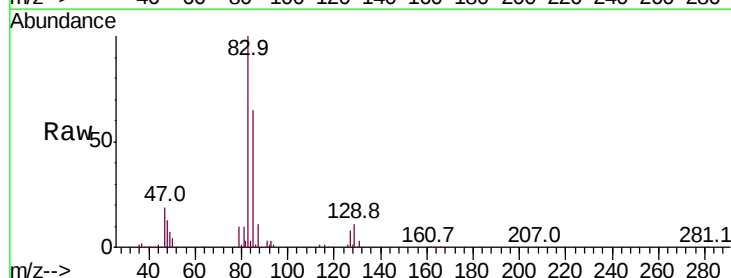
Instrument :
 MSVOA_U
 ClientSampleId :

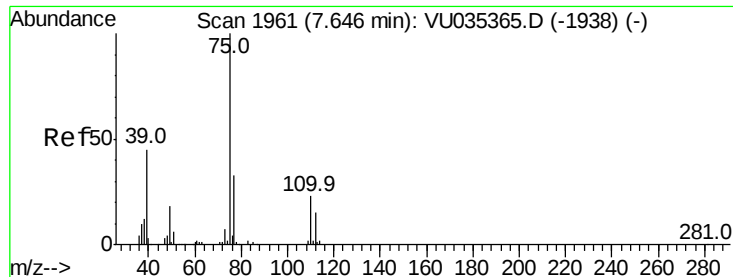
Tot Ion: 63 Resp: 104967
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.123 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion: 83 Resp: 131782
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.6 84.8
 127 8.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 4.644 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

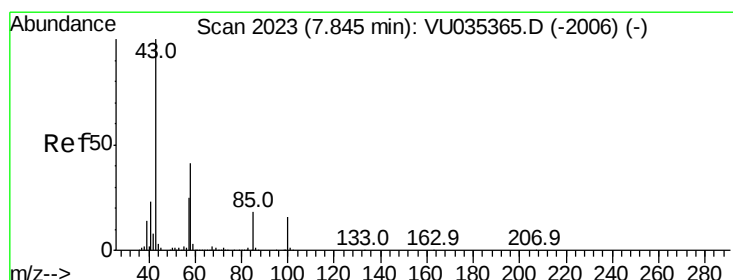
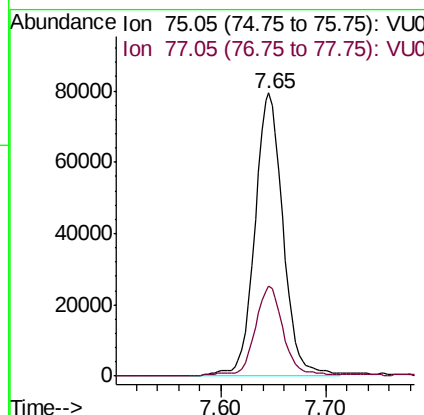
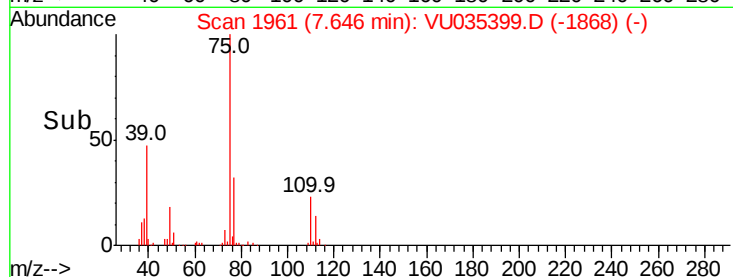
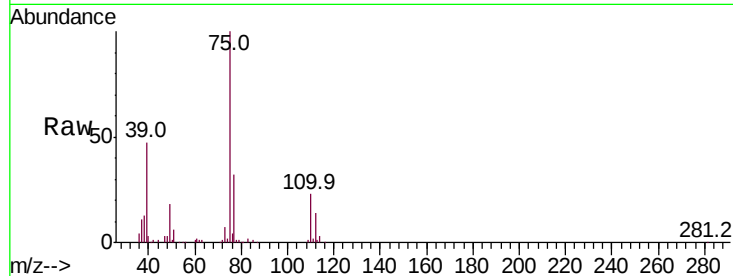
Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 148424

Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.7	42.1



#40

4-Methyl-2-pentanone

Concen: 51.890 ug/L

RT: 7.84 min Scan# 2023

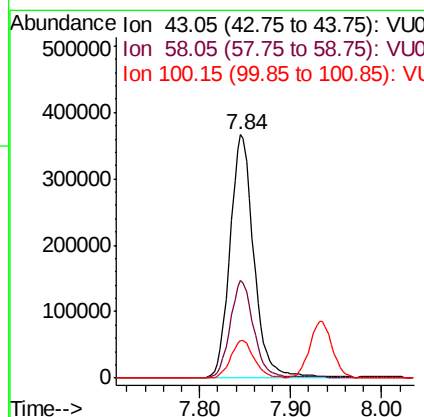
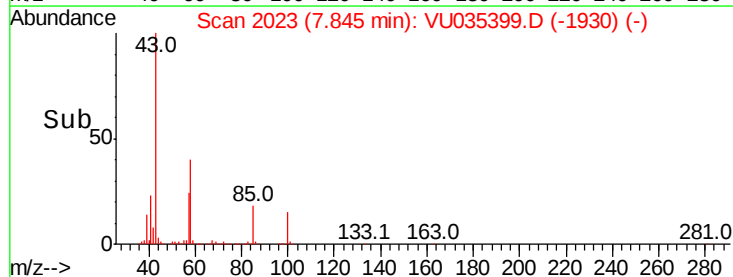
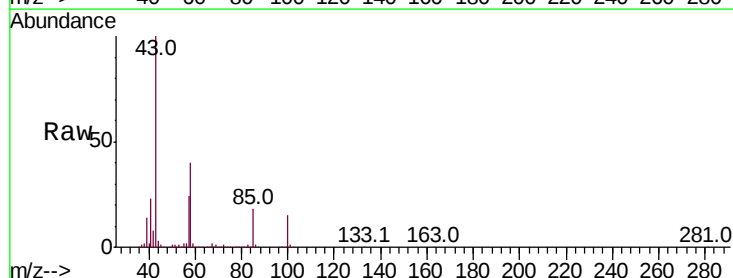
Delta R.T. 0.00 min

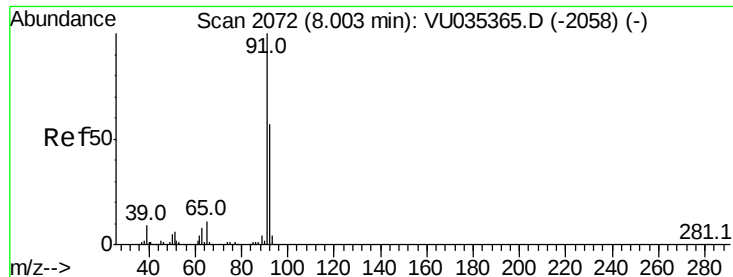
Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Tgt Ion: 43 Resp: 668872

Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.3	48.5
100	15.3	13.4	20.2





#42

Toluene

Concen: 5.104 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

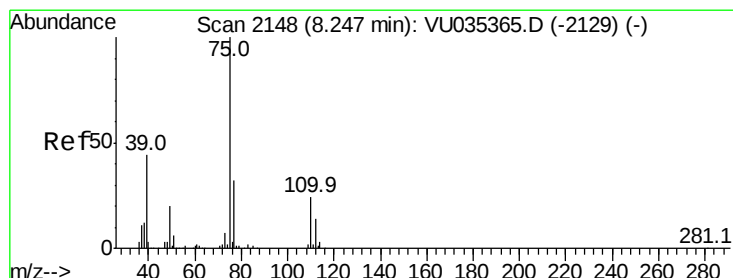
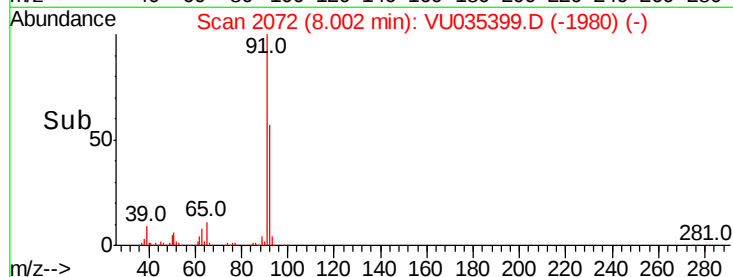
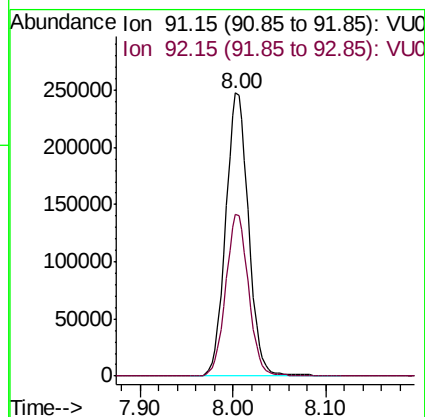
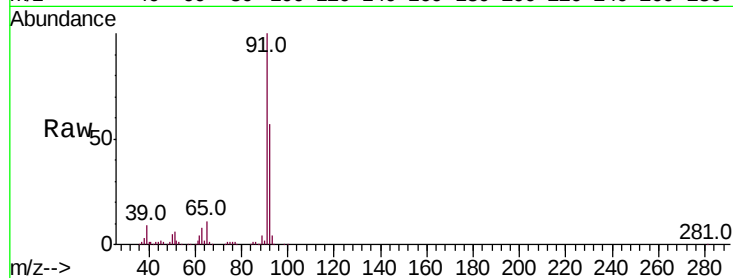
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 423800

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.715 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035399.D

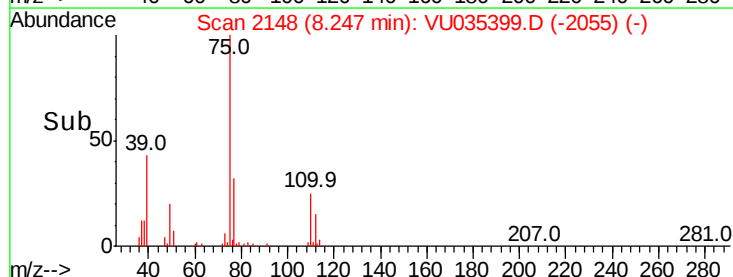
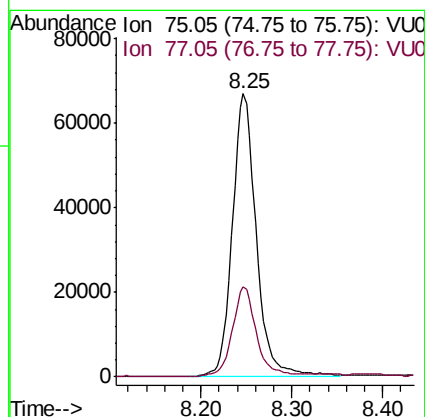
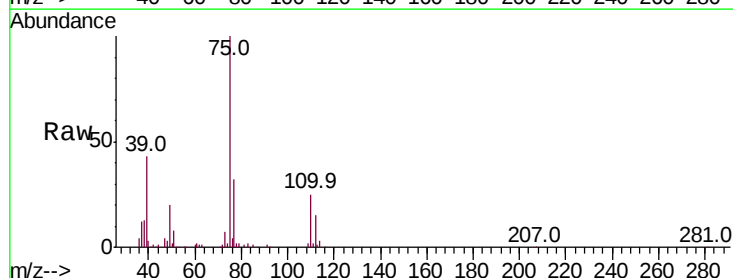
Acq: 23 Oct 2019 09:49

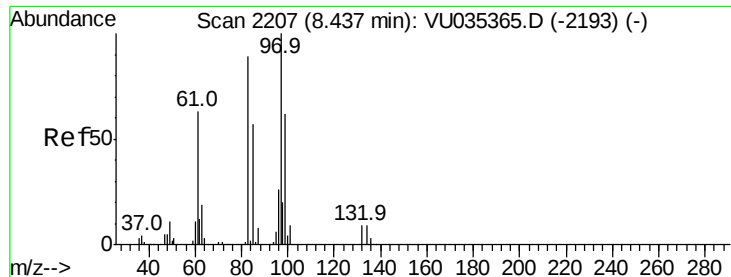
Tgt Ion: 75 Resp: 123143

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.8

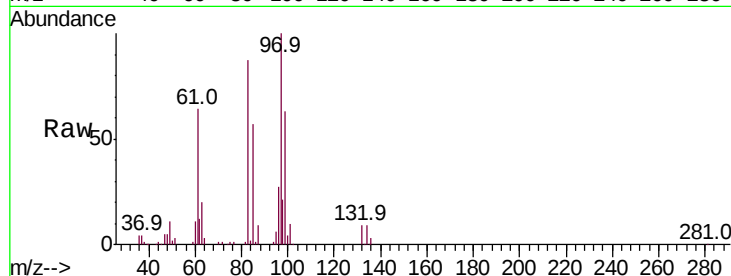




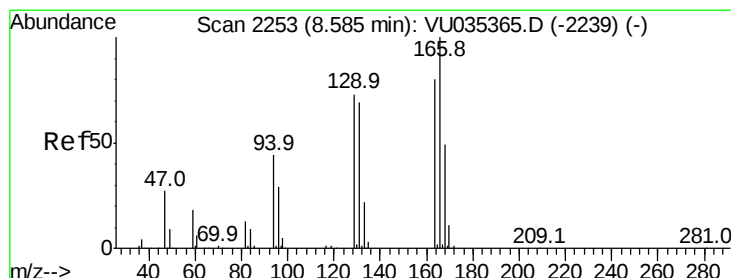
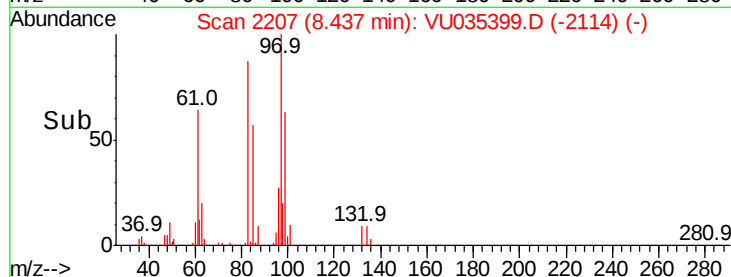
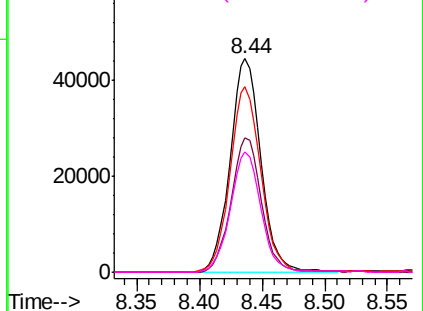
#45
 1,1,2-Trichloroethane
 Concen: 5.337 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	75665
Ion	Ratio	Lower	Upper
97	100		
99	62.7	42.9	79.7
83	86.7	60.4	112.2
85	56.6	38.4	71.2

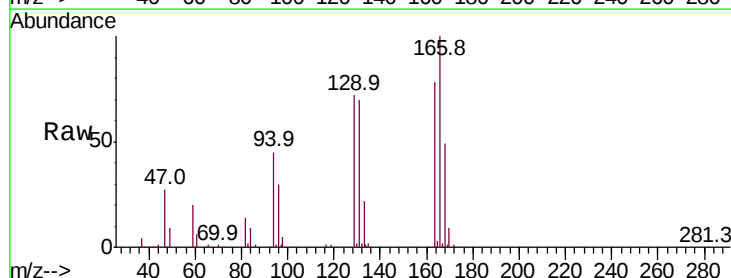


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

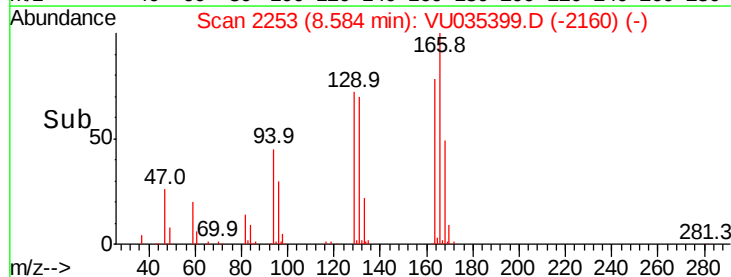
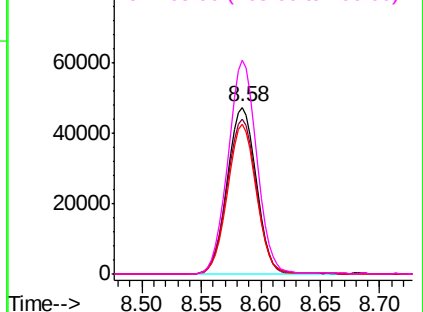


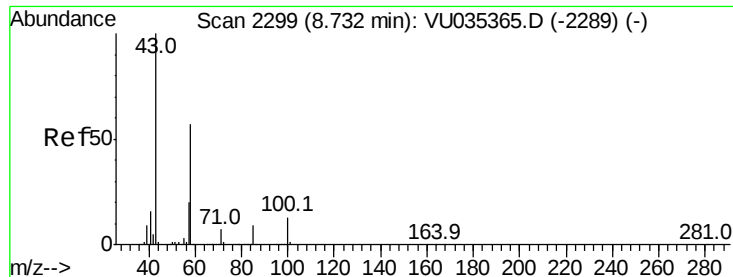
#47
 Tetrachloroethene
 Concen: 4.778 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion:	164	Resp:	80495
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.2	121.0
131	89.6	62.9	116.9
166	128.2	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

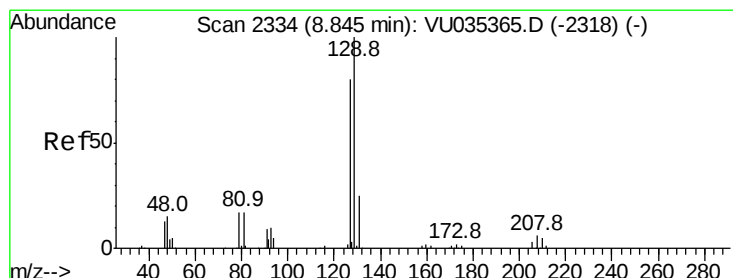
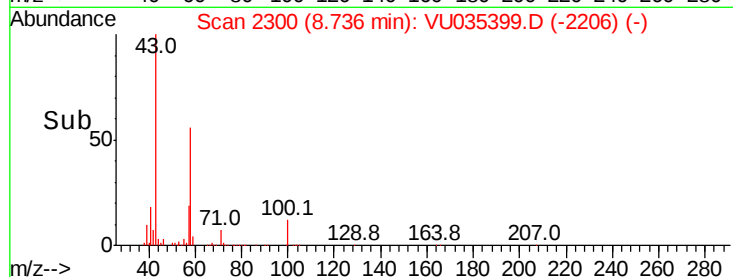
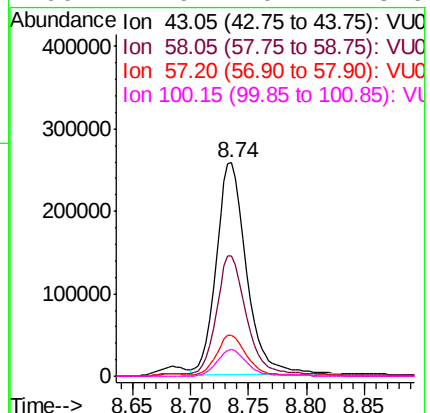
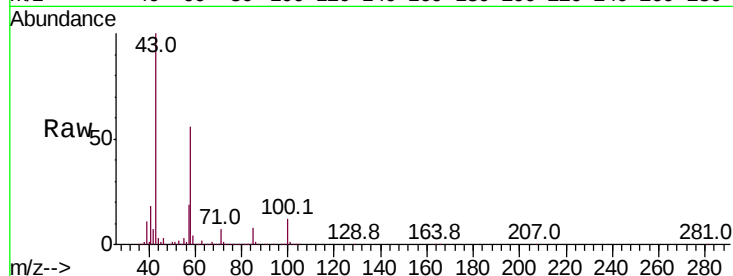




#48
2-Hexanone
Concen: 51.778 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

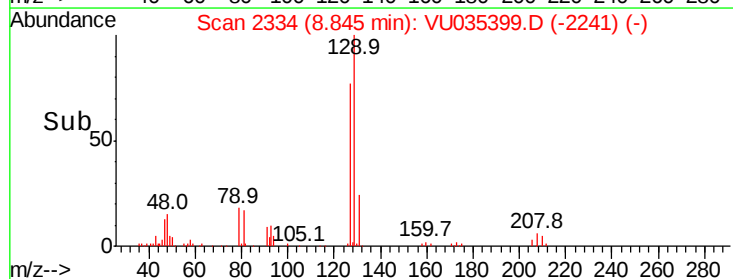
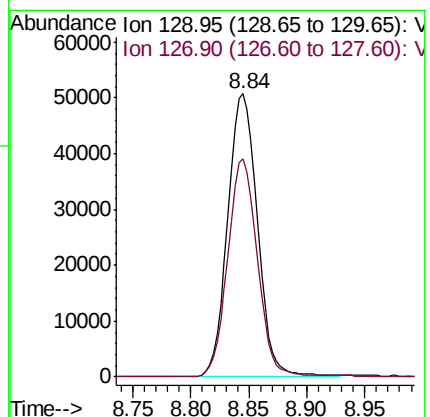
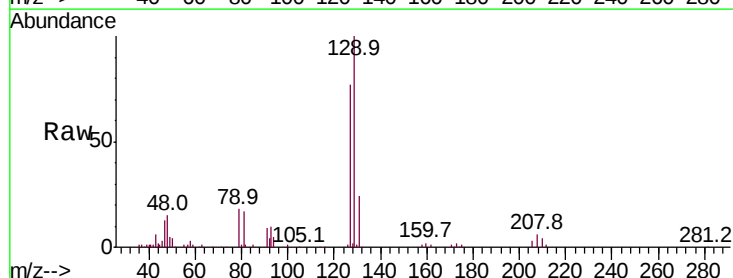
Instrument :
MSVOA_U
ClientSampleId :

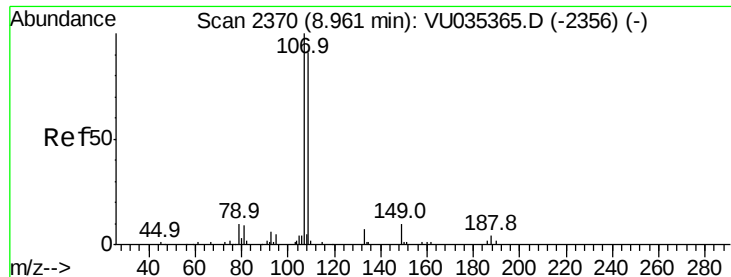
Tot Ion: 43 Resp: 468076
Ion Ratio Lower Upper
43 100
58 57.0 45.1 67.7
57 19.7 16.0 24.0
100 12.9 10.4 15.6



#49
Dibromochloromethane
Concen: 5.008 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion: 129 Resp: 89998
Ion Ratio Lower Upper
129 100
127 77.1 53.8 99.8

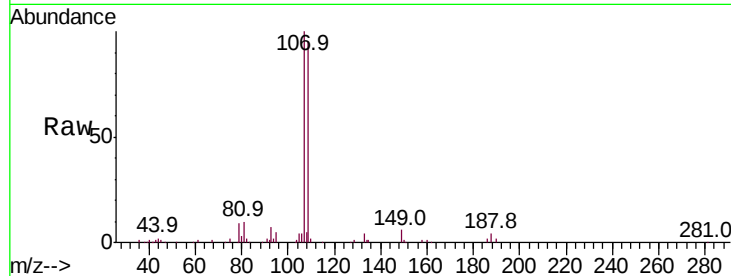




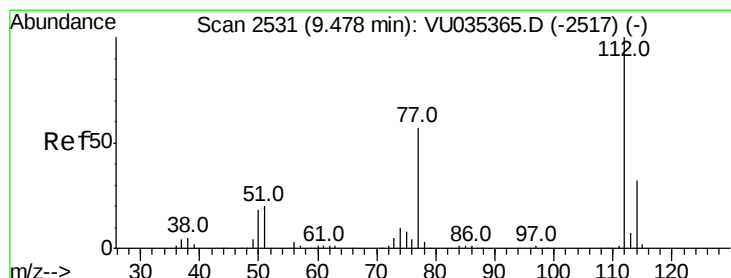
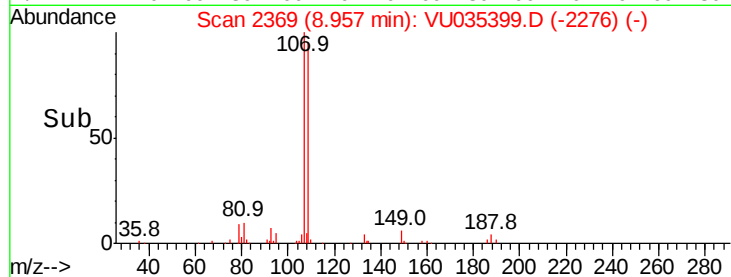
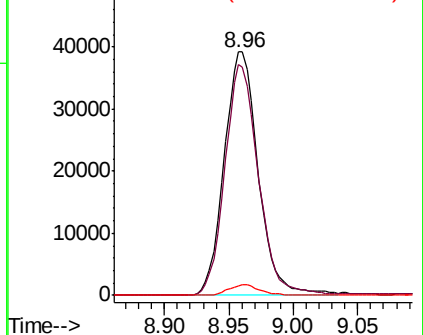
#50
1,2-Dibromoethane
Concen: 5.079 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:107 Resp: 71968
Ion Ratio Lower Upper
107 100
109 94.8 66.1 122.8
188 3.8 3.2 4.8

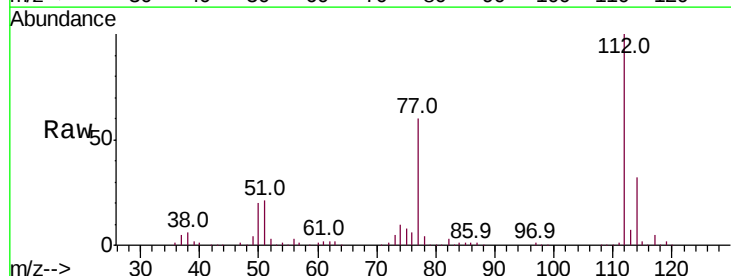


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

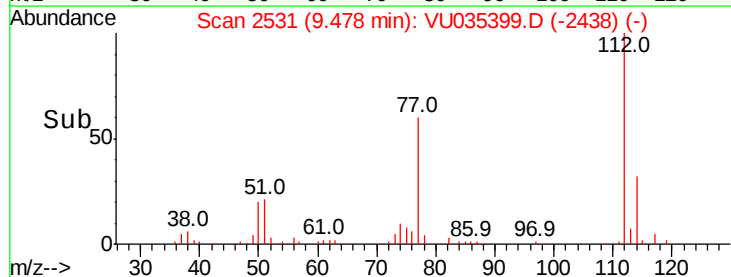
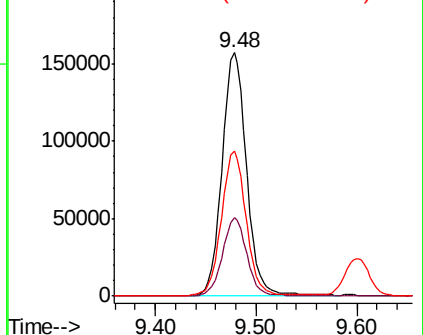


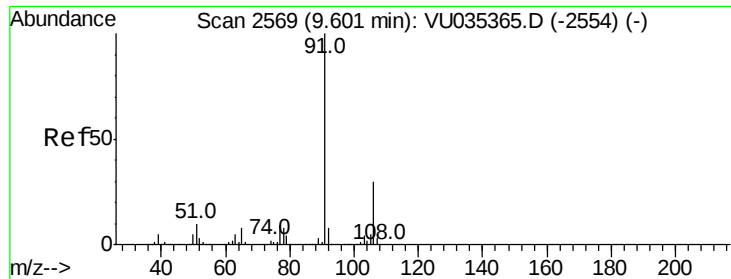
#51
Chlorobenzene
Concen: 4.989 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion:112 Resp: 267444
Ion Ratio Lower Upper
112 100
114 32.1 23.0 42.8
77 59.6 47.5 71.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.819 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

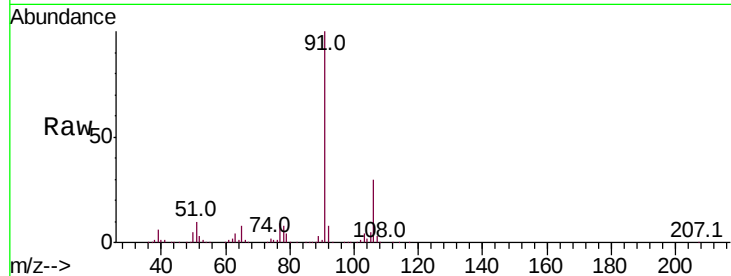
ClientSampleId :

Tot Ion: 91 Resp: 455027

Ion Ratio Lower Upper

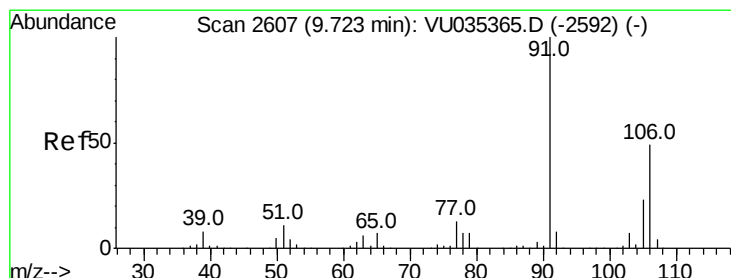
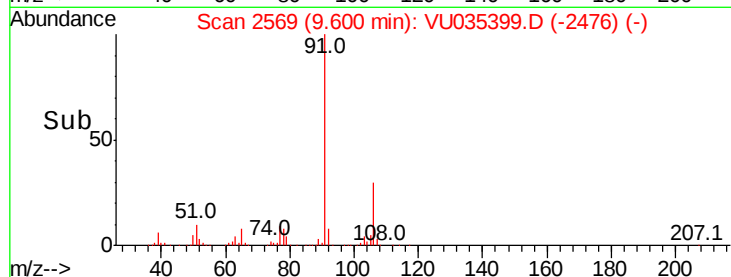
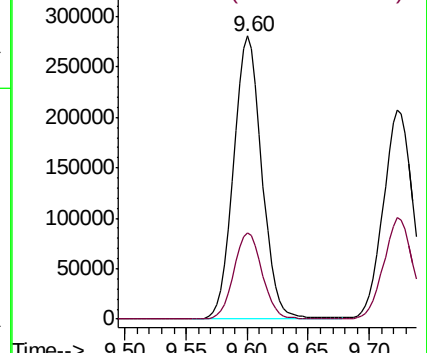
91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035365.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035399.D (-2476) (-)



#53

m,p-Xylene

Concen: 4.667 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035399.D

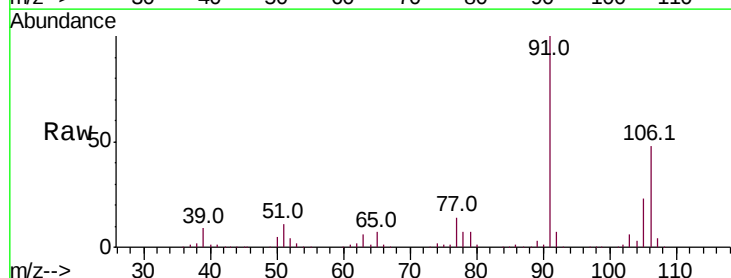
Acq: 23 Oct 2019 09:49

Tgt Ion: 106 Resp: 166377

Ion Ratio Lower Upper

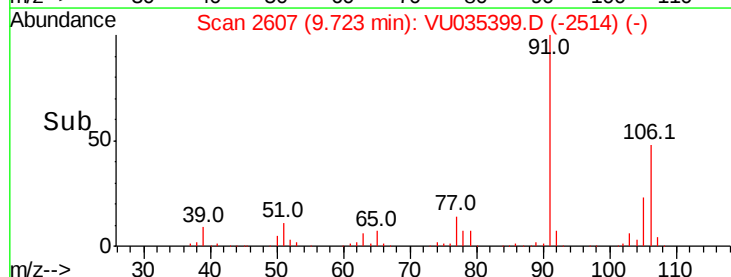
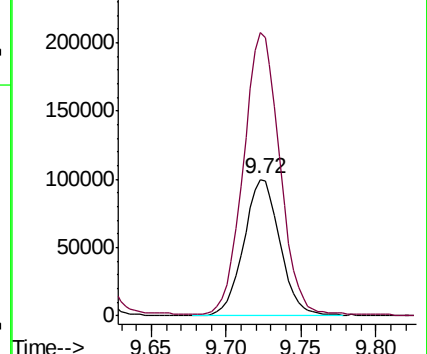
106 100

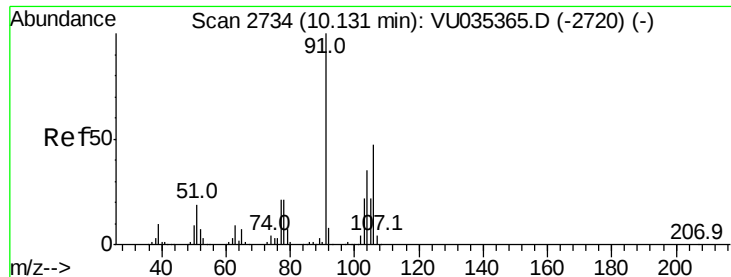
91 206.9 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): VU035365.D (-2592) (-)

Ion 91.15 (90.85 to 91.85): VU035399.D (-2514) (-)

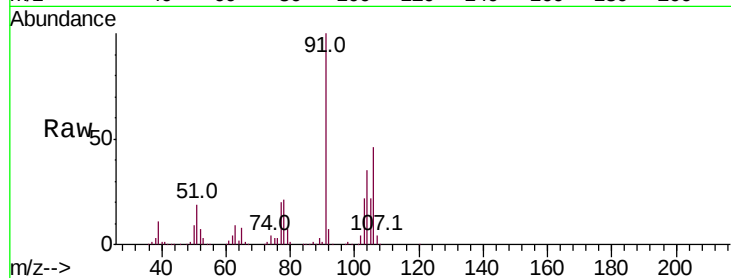




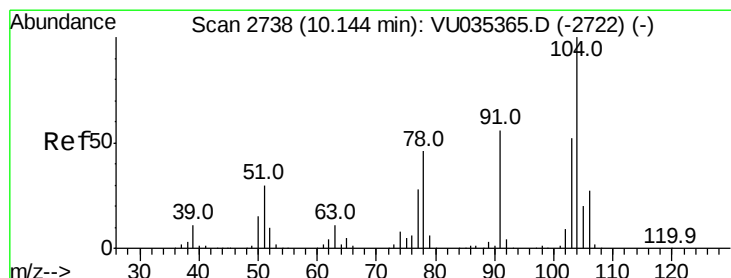
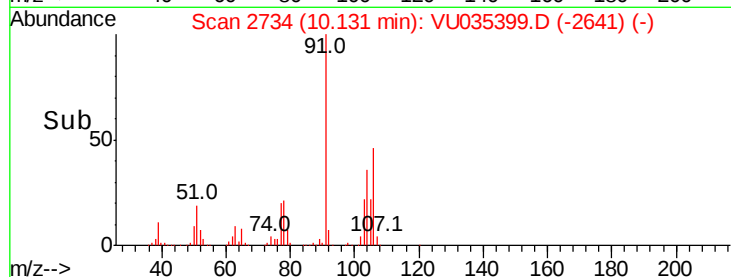
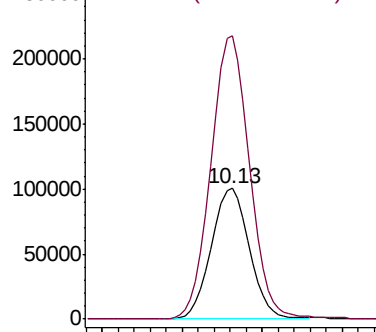
#54
o-Xylene
Concen: 4.692 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 163280
Ion Ratio Lower Upper
106 100
91 216.2 153.2 284.6

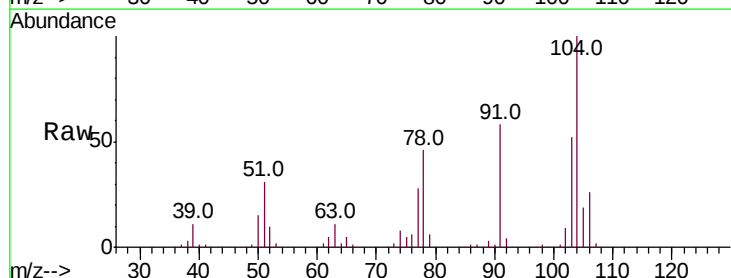


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

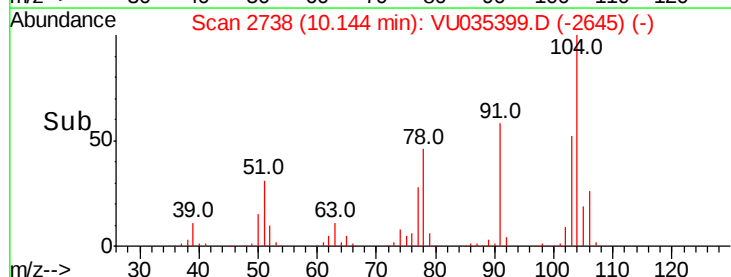
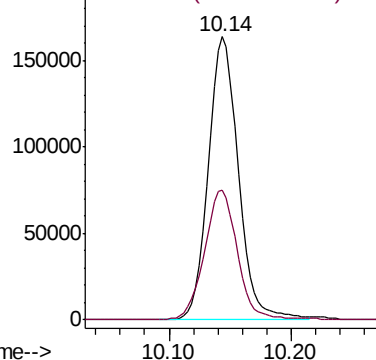


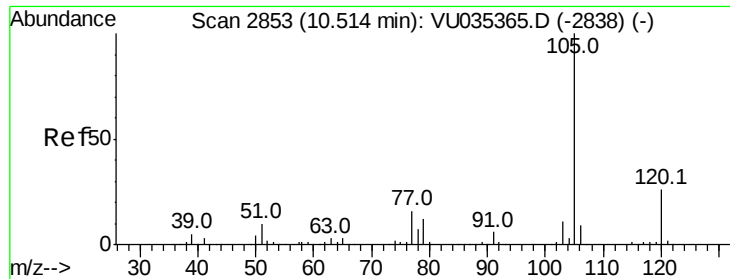
#55
Styrene
Concen: 4.933 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035399.D
Acq: 23 Oct 2019 09:49

Tgt Ion:104 Resp: 279443
Ion Ratio Lower Upper
104 100
78 46.0 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 4.683 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

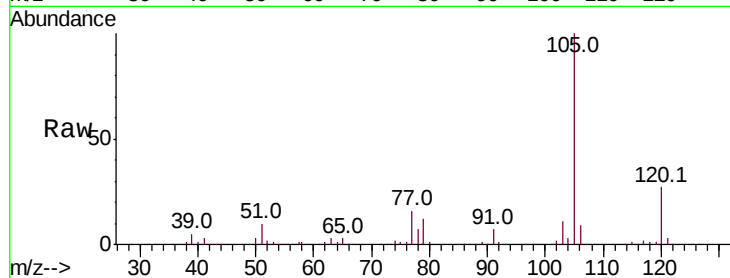
Tot Ion:105 Resp: 438353

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

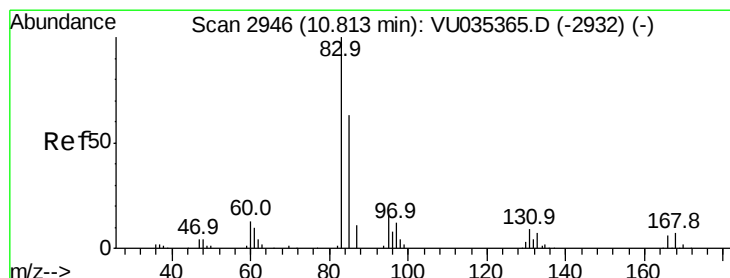
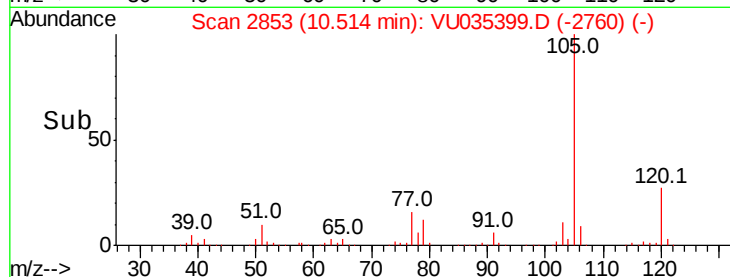
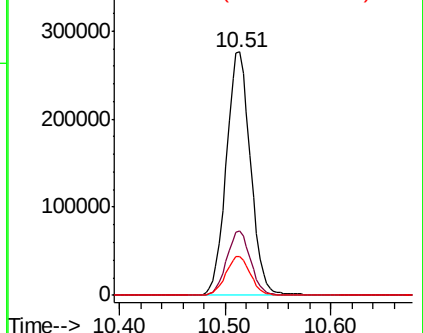
77 16.2 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.368 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

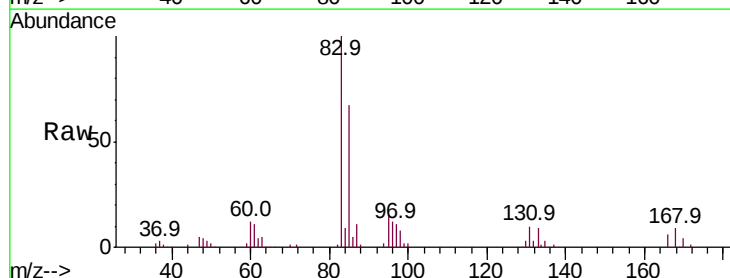
Tgt Ion: 83 Resp: 97931

Ion Ratio Lower Upper

83 100

85 67.5 46.8 86.8

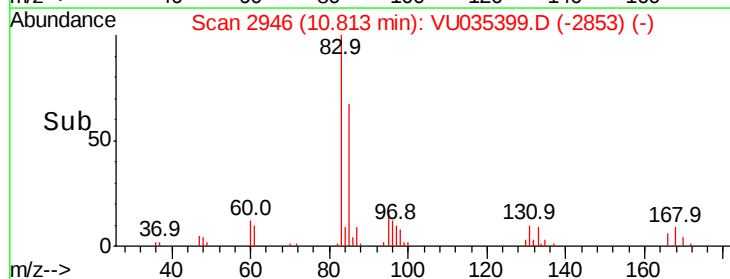
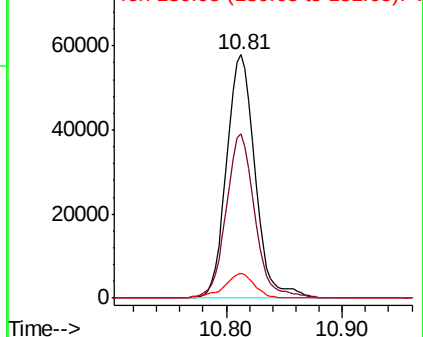
131 9.9 7.5 11.3

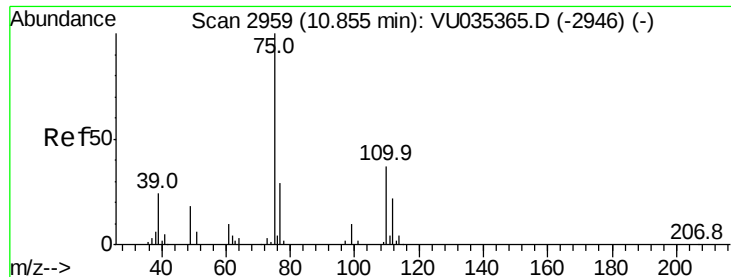


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.226 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

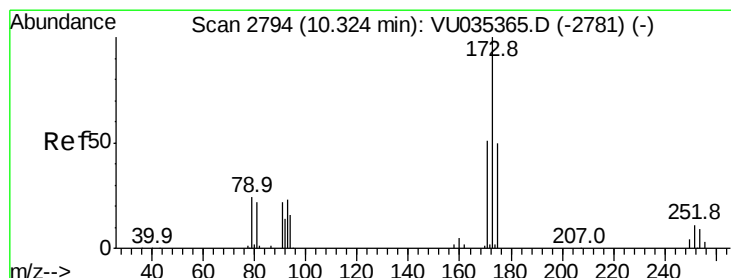
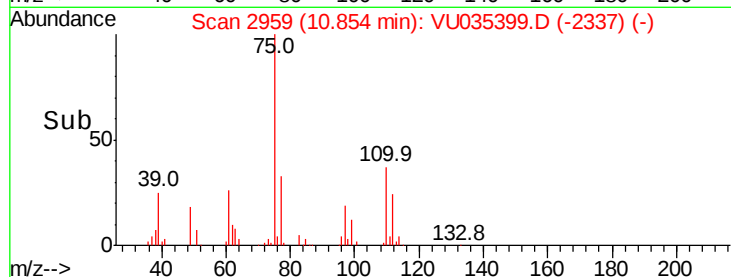
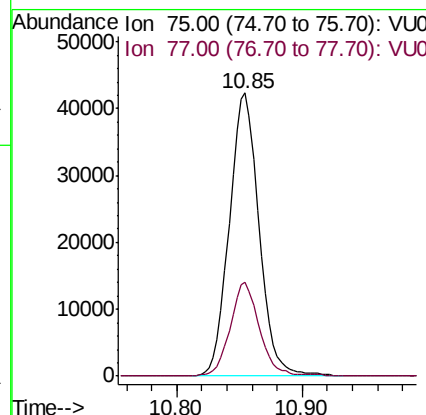
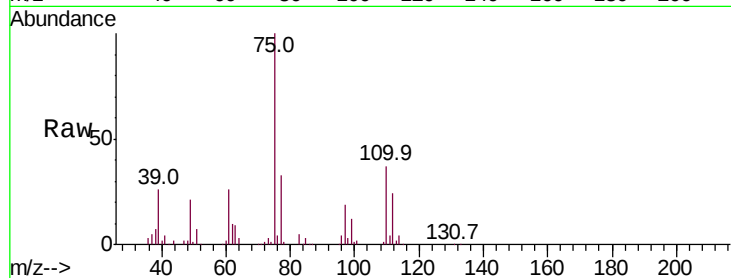
ClientSampleId :

Tot Ion: 75 Resp: 69529

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2



#61

Bromoform

Concen: 4.383 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

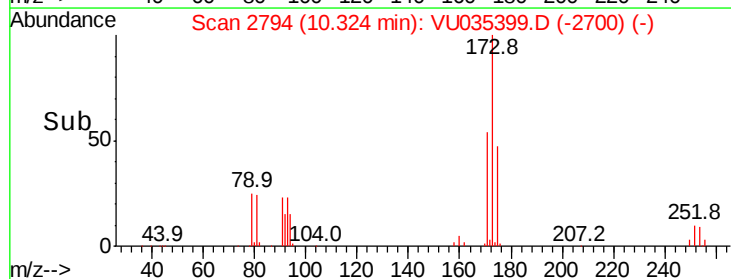
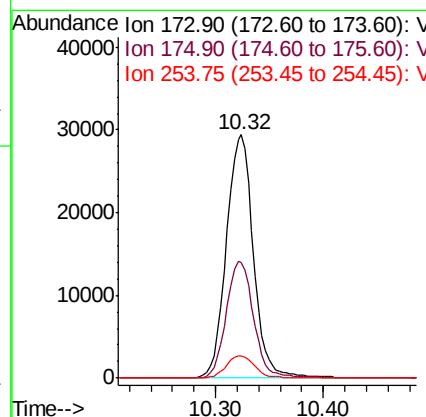
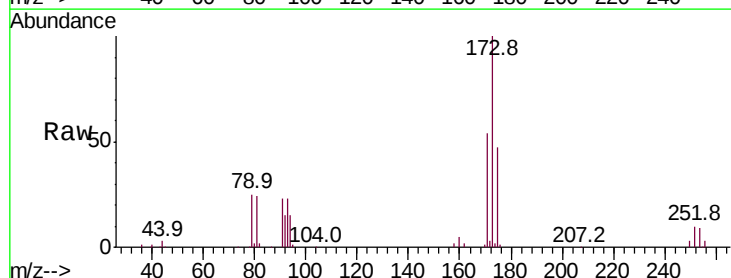
Tgt Ion: 173 Resp: 51328

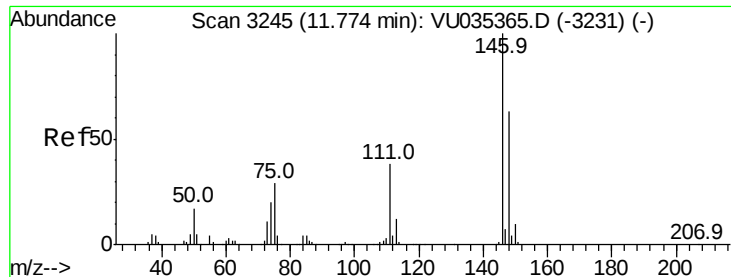
Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 9.6 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.867 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

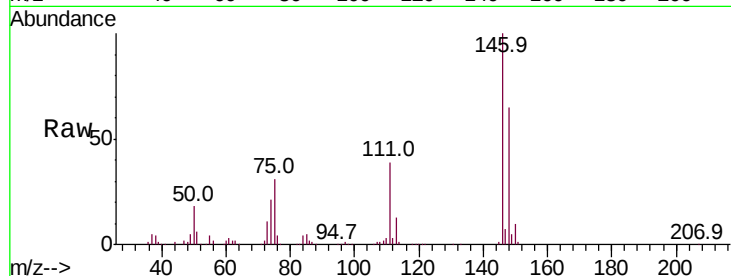
Tot Ion:146 Resp: 209948

Ion Ratio Lower Upper

146 100

111 39.3 27.8 51.6

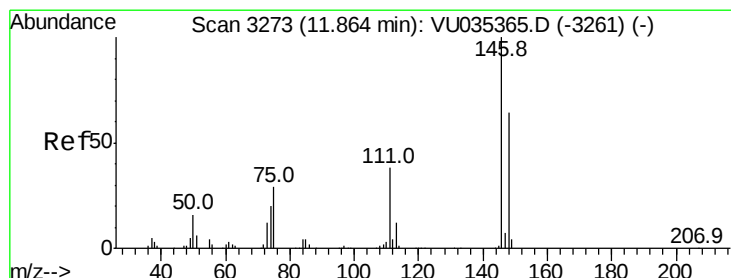
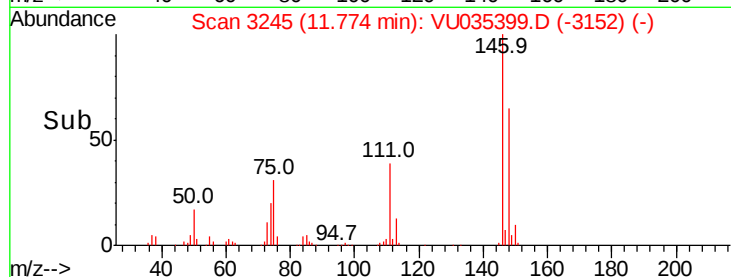
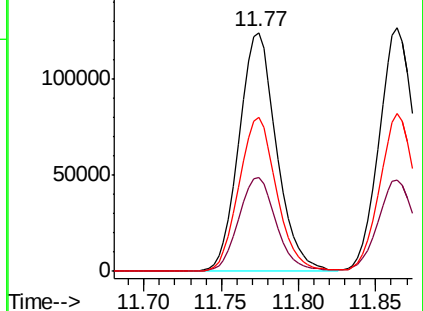
148 64.5 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.971 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

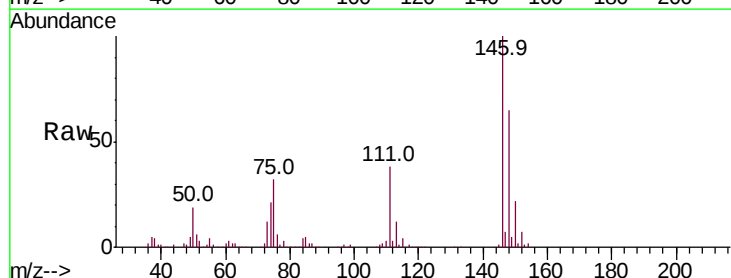
Tgt Ion:146 Resp: 210830

Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

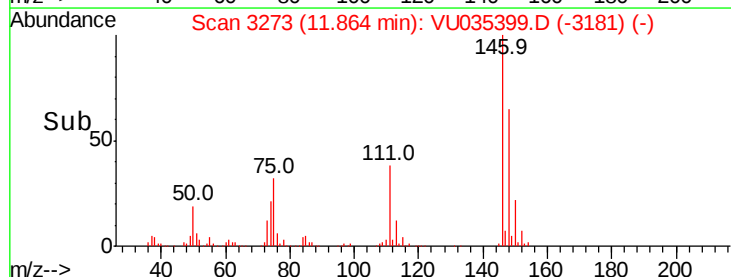
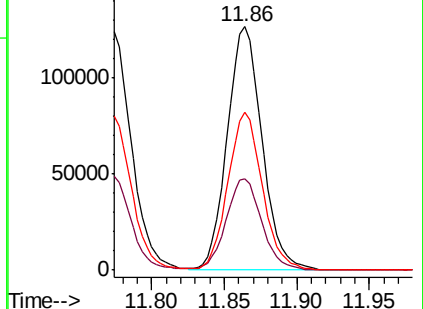
148 64.7 44.7 83.1

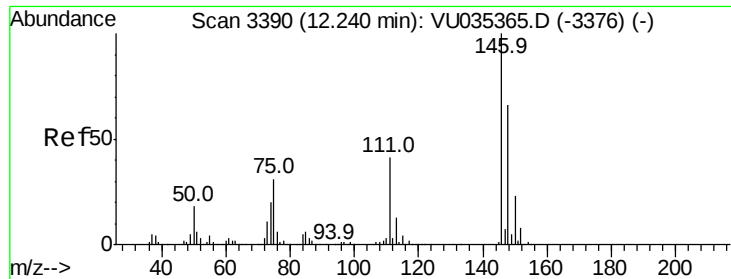


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.891 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

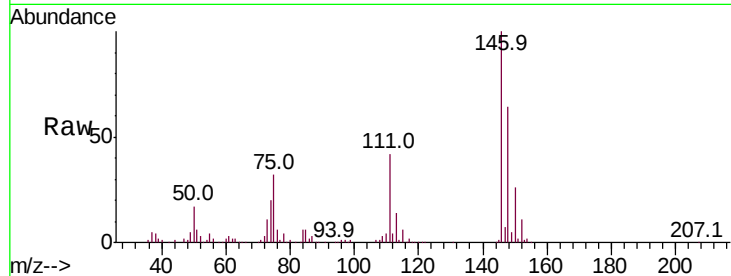
Tot Ion:146 Resp: 198230

Ion Ratio Lower Upper

146 100

111 41.7 33.0 49.6

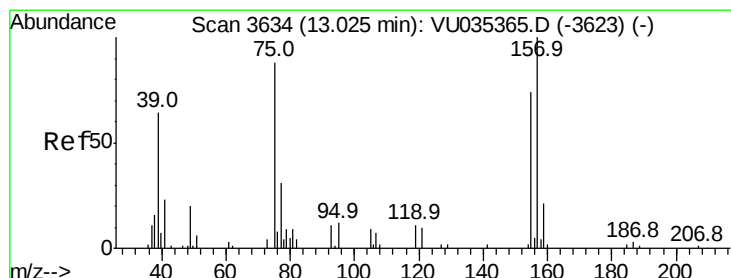
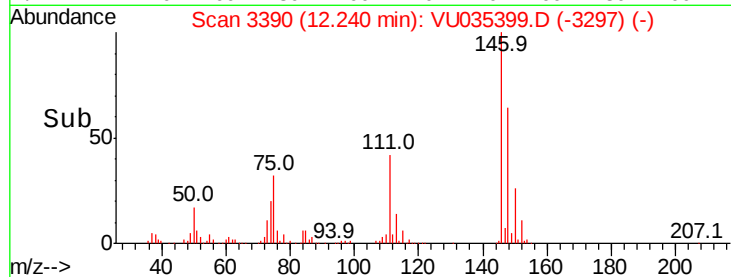
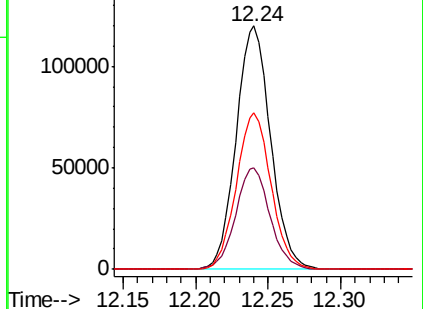
148 64.2 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.864 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. 0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

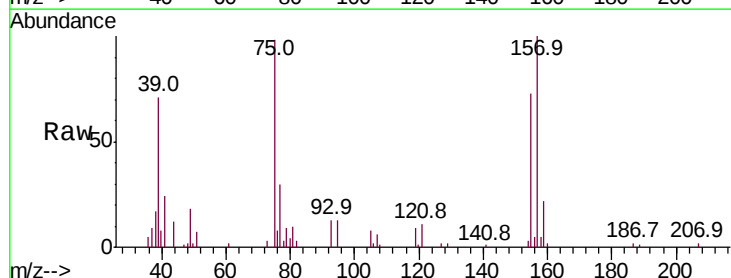
Tgt Ion: 75 Resp: 13925

Ion Ratio Lower Upper

75 100

155 75.0 70.0 105.0

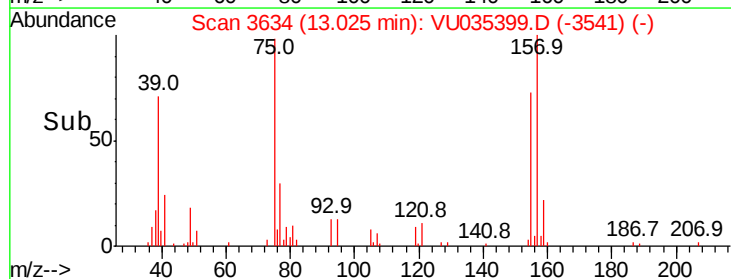
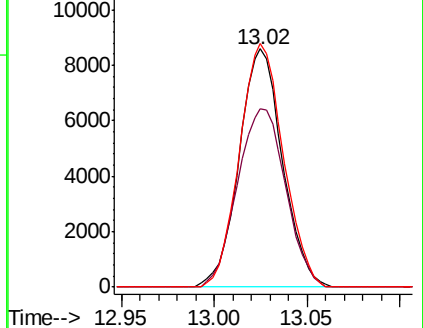
157 102.3 94.7 142.1

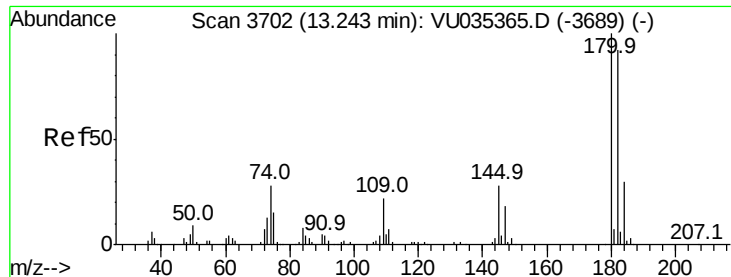


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

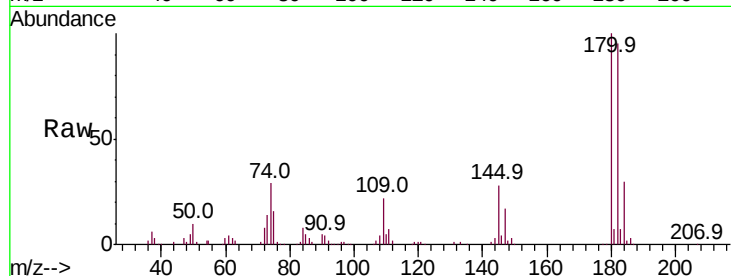




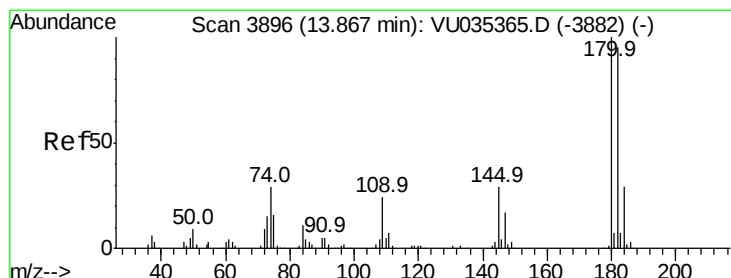
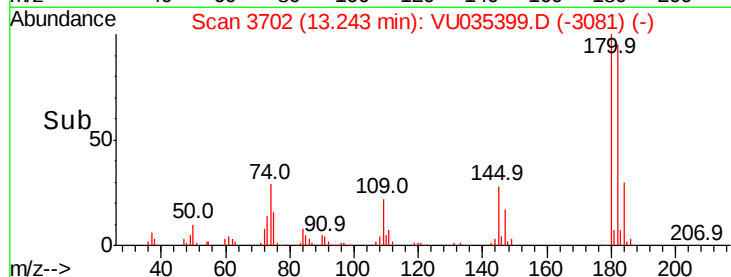
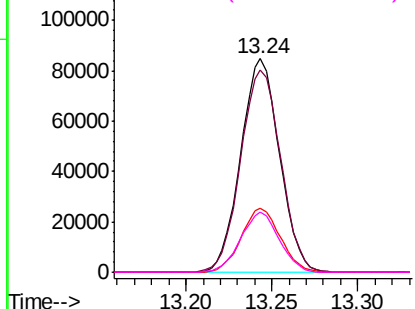
#67
 1,3,5-Trichlorobenzene
 Concen: 4.965 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	132742
Ion Ratio	Lower	Upper
180 100		
182 97.5	77.4	116.2
184 29.9	23.9	35.9
145 27.9	22.4	33.6

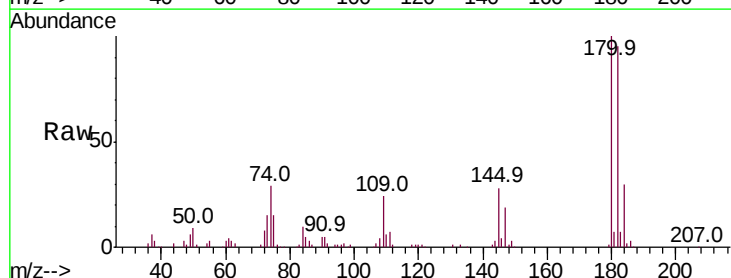


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

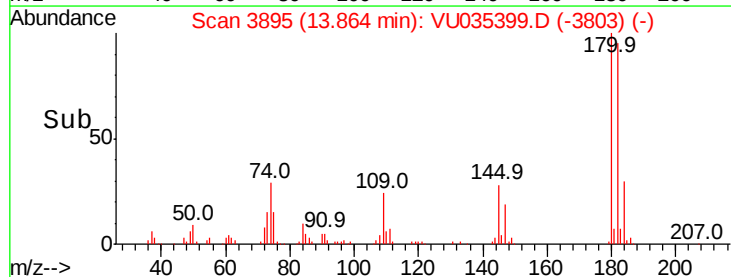
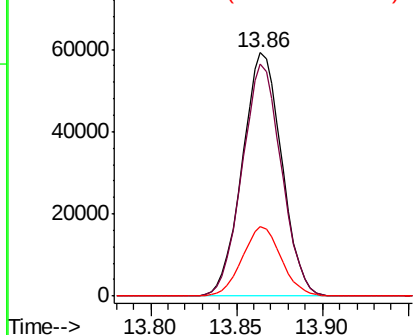


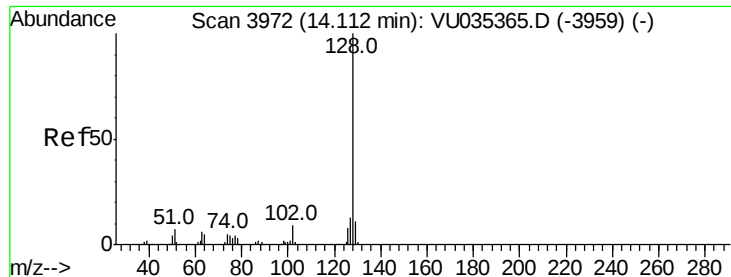
#68
 1,2,4-trichlorobenzene
 Concen: 5.286 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035399.D
 Acq: 23 Oct 2019 09:49

Tgt Ion:180	Resp: 94066
Ion Ratio	Lower Upper
180 100	
182 94.8	75.9 113.9
145 28.1	23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.159 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

Instrument :

MSVOA_U

ClientSampleId :

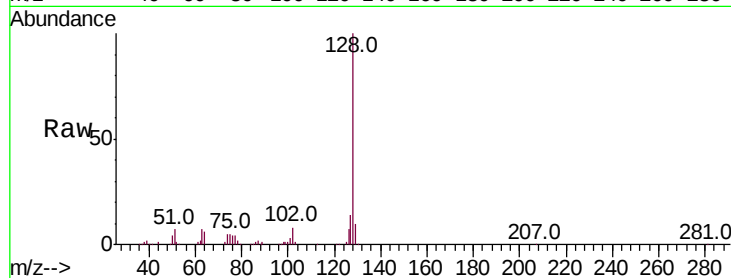
Tot Ion:128 Resp: 126025

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 13.1 10.7 16.1

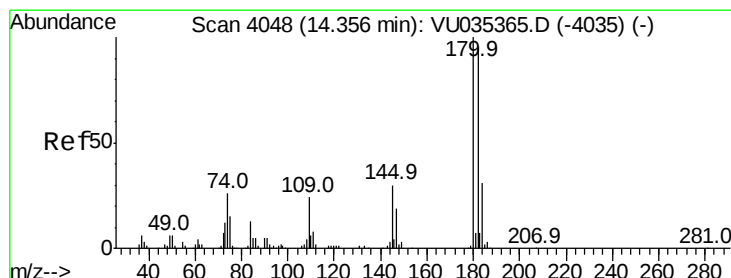
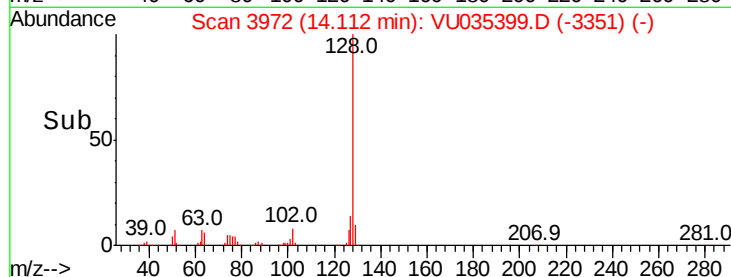
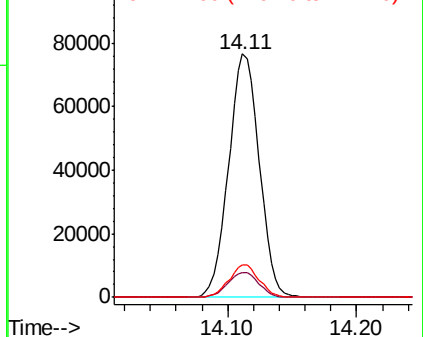


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.635 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035399.D

Acq: 23 Oct 2019 09:49

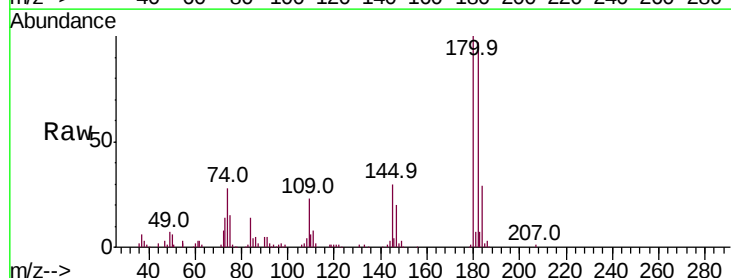
Tgt Ion:180 Resp: 93774

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 29.1 24.6 37.0



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

