

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035390.D
 Acq On : 23 Oct 2019 02:15
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:10:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	238447	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235899	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	108802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	60555	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.93	69	60633	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.60	63	128013	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.70	46	239627	57.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.70%
24) Chloroform-d	5.11	84	140322	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.75	65	75235	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.77	84	242358	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.73	67	86178	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.93	98	218710	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.21	79	32486	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.68	63	183233	49.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.96%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	83968	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	86053	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	113565	5.596	ug/L 98
3) Chloromethane	1.54	50	116881	5.806	ug/L 100
5) Vinyl chloride	1.62	62	121808	5.892	ug/L 97
6) Bromomethane	1.87	94	72536	5.942	ug/L 99
8) Chloroethane	1.95	64	75413	5.657	ug/L 99
9) Trichlorofluoromethane	2.16	101	157211	5.696	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90146	5.669	ug/L 94
12) 1,1-Dichloroethene	2.61	96	83245	5.434	ug/L 85
13) Acetone	2.67	43	168513	57.981	ug/L 100
14) Carbon disulfide	2.82	76	261887	5.406	ug/L 99
15) Methyl Acetate	3.00	43	39235	5.418	ug/L 100
16) Methylene chloride	3.08	84	100566	5.457	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	207012	5.021	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	89437	5.410	ug/L 93
19) 1,1-Dichloroethane	3.92	63	177537	5.938	ug/L 99
21) 2-Butanone	4.78	43	248710	52.503	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	101069	5.531	ug/L 100

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 ClientSampleId :

Quant Time: Oct 23 08:10:14 2019
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 Quant Title : TRACE VOA SOM01.0
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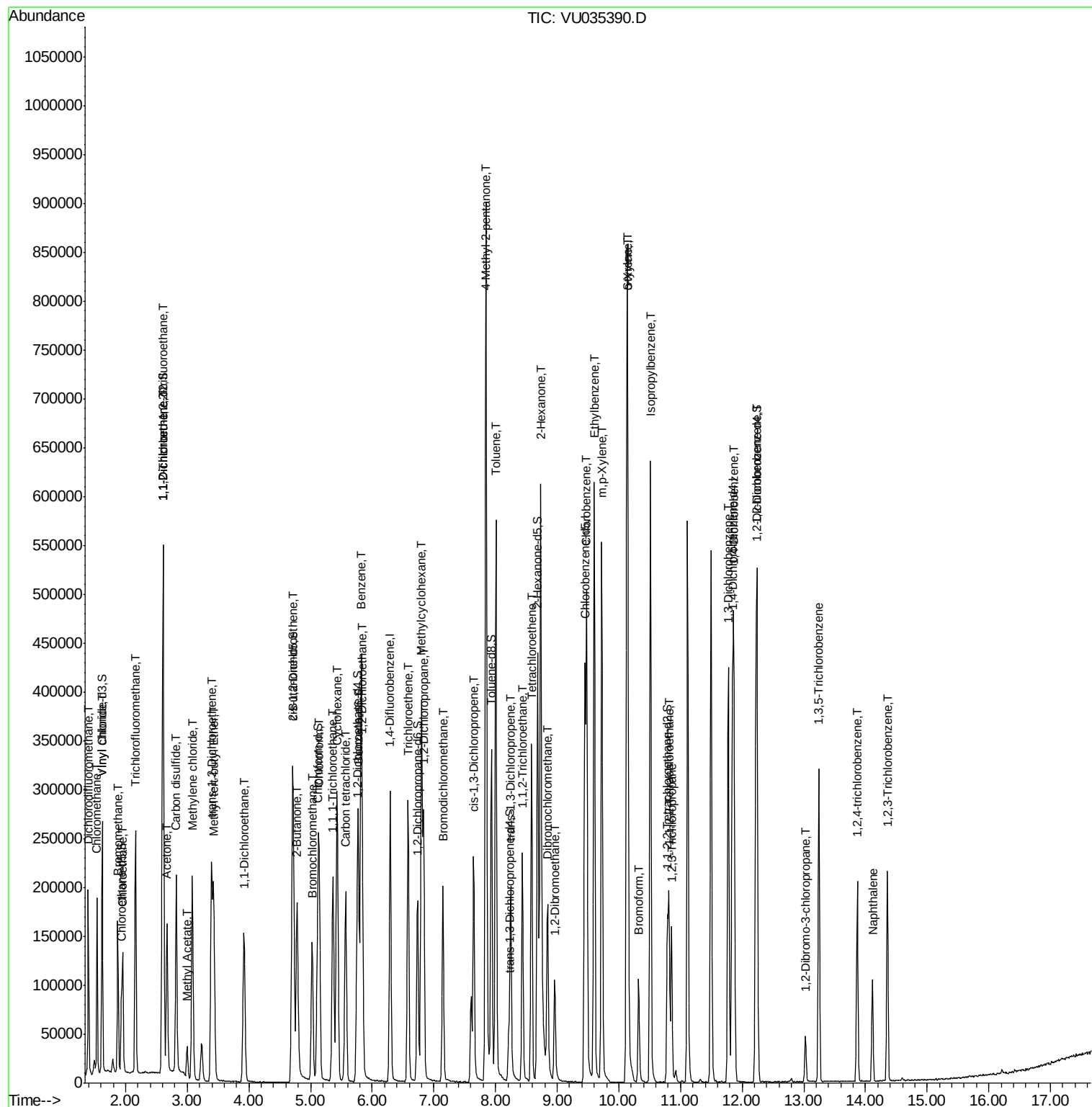
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	44461	5.652	ug/L	92
25) Chloroform	5.14	83	184797	5.633	ug/L	100
27) 1,2-Dichloroethane	5.84	62	111557	5.545	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	149379	5.406	ug/L	99
30) Cyclohexane	5.43	56	140076	4.733	ug/L	98
31) Carbon tetrachloride	5.57	117	129841	5.218	ug/L	100
33) Benzene	5.82	78	388484	5.597	ug/L	100
34) Trichloroethene	6.58	95	99326	5.323	ug/L	99
35) Methylcyclohexane	6.80	83	143689	4.607	ug/L	97
37) 1,2-Dichloropropane	6.84	63	101293	5.749	ug/L	99
38) Bromodichloromethane	7.15	83	130462	5.496	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	139466	4.729	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	612236	51.471	ug/L	98
42) Toluene	8.01	91	416164	5.432	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	112674	4.675	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	72447	5.538	ug/L	99
47) Tetrachloroethene	8.58	164	78252	5.034	ug/L	99
48) 2-Hexanone	8.73	43	446671	53.545	ug/L	96
49) Dibromochloromethane	8.84	129	85417	5.150	ug/L	96
50) 1,2-Dibromoethane	8.96	107	69050	5.280	ug/L	100
51) Chlorobenzene	9.48	112	257847	5.212	ug/L	99
52) Ethylbenzene	9.60	91	431266	4.950	ug/L	100
53) m,p-Xylene	9.72	106	158872	4.829	ug/L	98
54) o-Xylene	10.13	106	159575	4.970	ug/L	99
55) Styrene	10.14	104	267134	5.110	ug/L	99
56) Isopropylbenzene	10.51	105	415820	4.814	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	93943	5.580	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	67069	5.463	ug/L	99
61) Bromoform	10.32	173	49781	4.940	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	191171	5.149	ug/L	98
63) 1,4-Dichlorobenzene	11.87	146	186132	5.099	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	180277	5.169	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	11520	4.676	ug/L	92
67) 1,3,5-Trichlorobenzene	13.25	180	103813	4.512	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	65677	4.288	ug/L	97
69) Naphthalene	14.11	128	82624	3.930	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	66872	4.669	ug/L	99

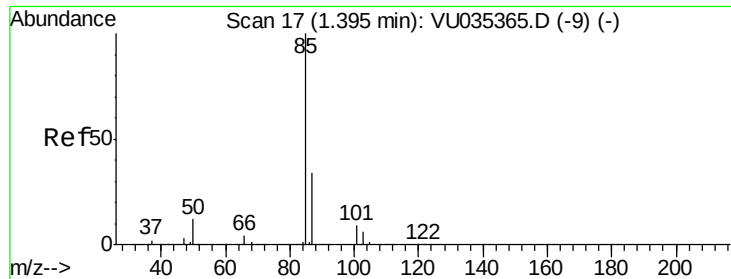
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.596 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

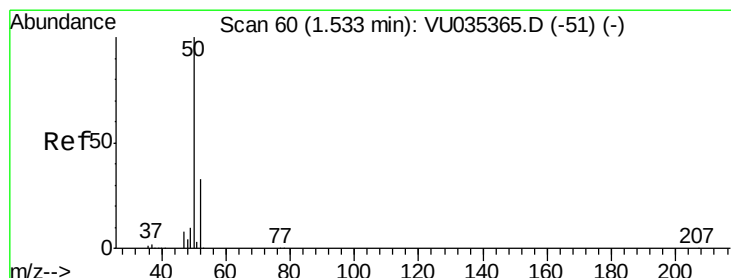
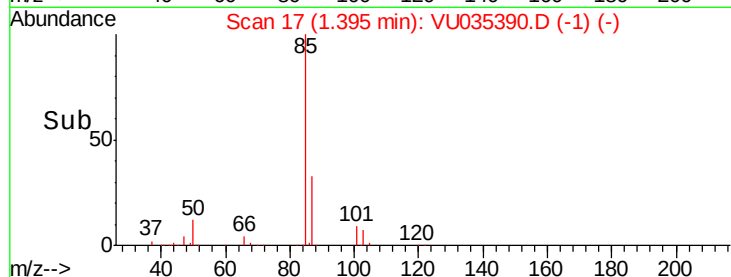
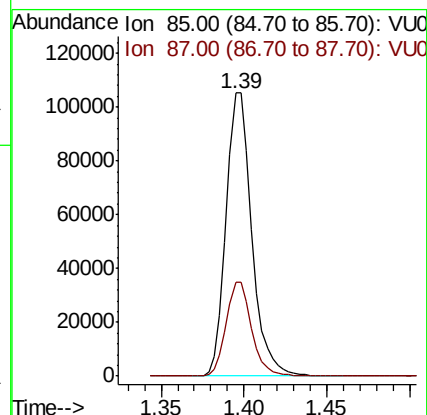
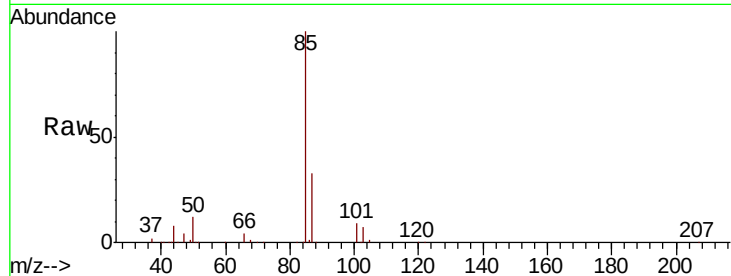
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 113565

Ion Ratio Lower Upper

85 100

87 33.1 25.5 38.3



#3

Chloromethane

Concen: 5.806 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035390.D

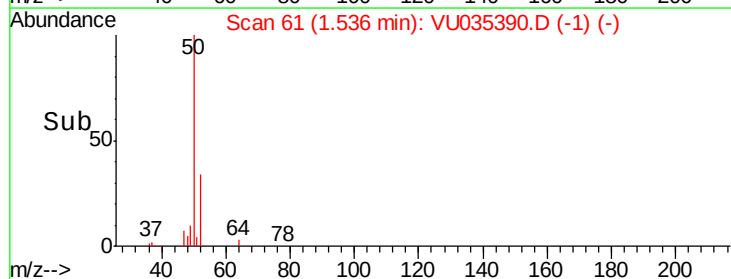
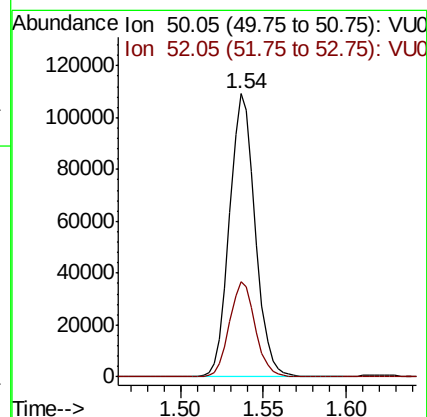
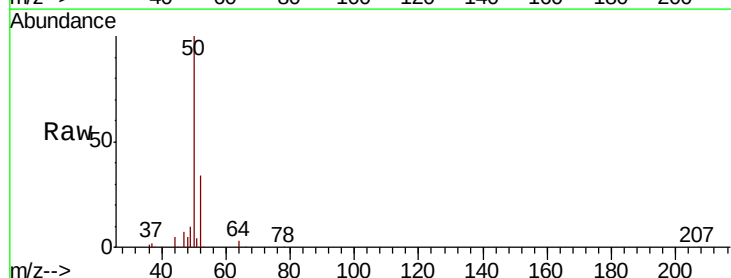
Acq: 23 Oct 2019 02:15

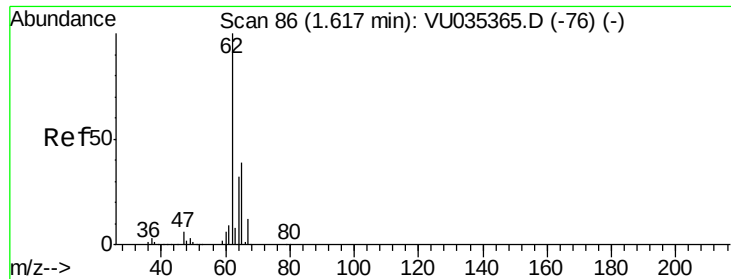
Tgt Ion: 50 Resp: 116881

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7





#5

Vinyl chloride

Concen: 5.892 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

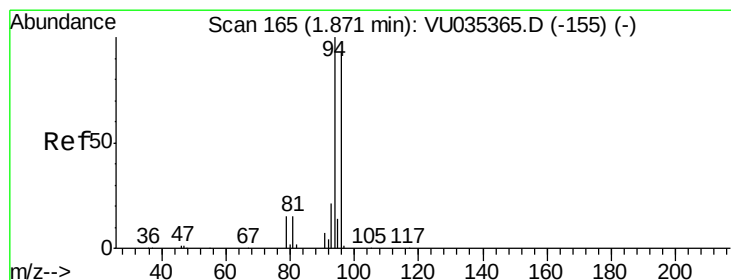
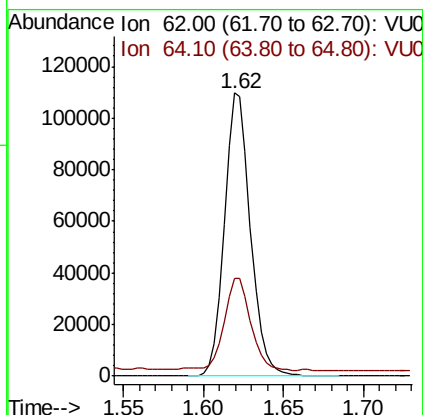
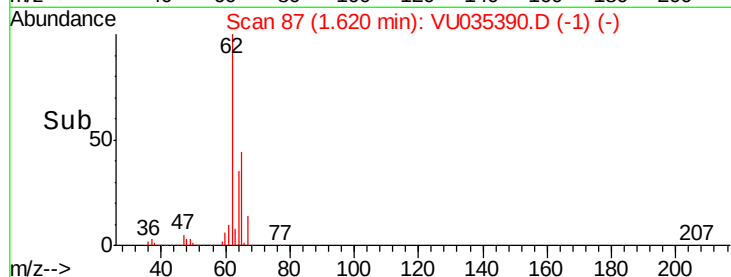
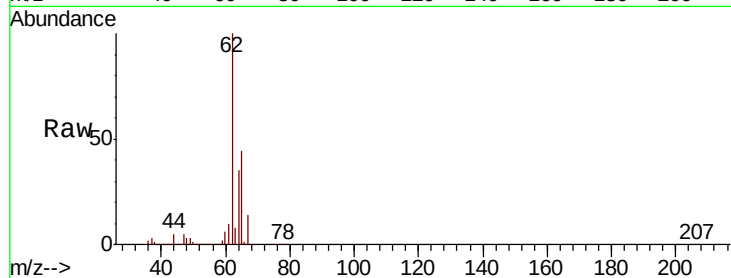
ClientSampleId :

Tot Ion: 62 Resp: 121808

Ion Ratio Lower Upper

62 100

64 34.5 22.9 42.5



#6

Bromomethane

Concen: 5.942 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035390.D

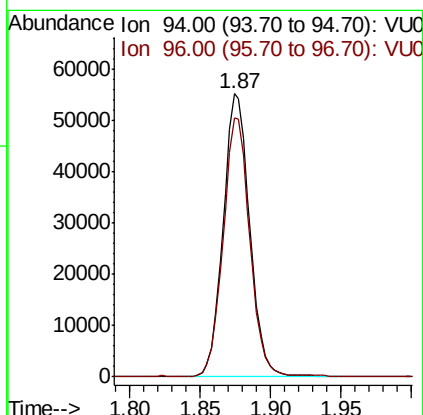
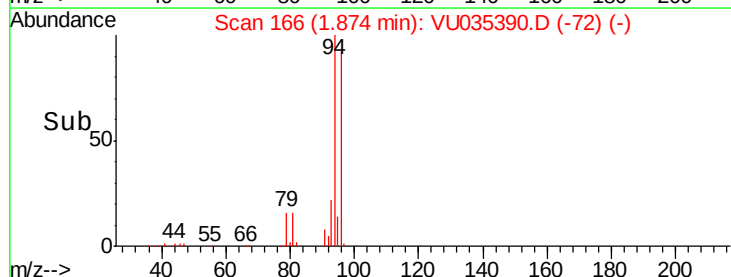
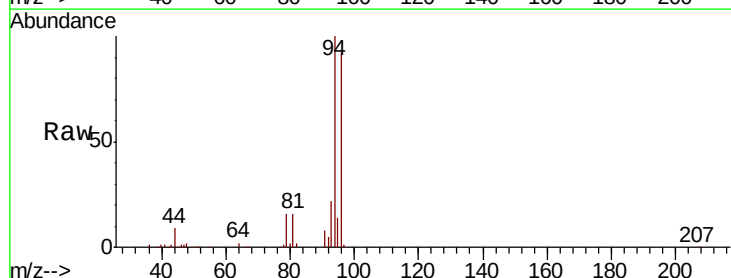
Acq: 23 Oct 2019 02:15

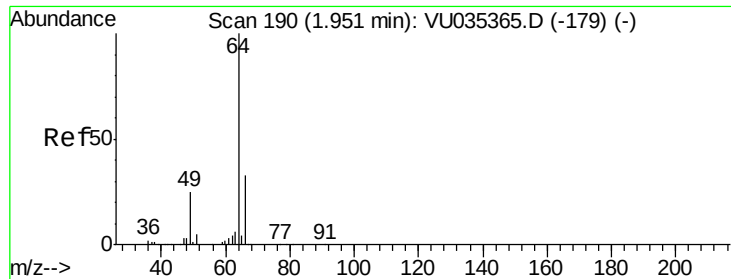
Tgt Ion: 94 Resp: 72536

Ion Ratio Lower Upper

94 100

96 91.6 64.6 120.0

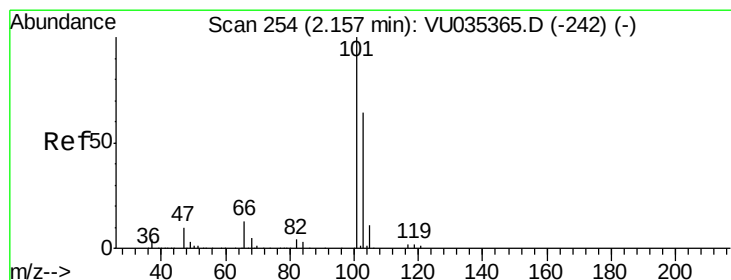
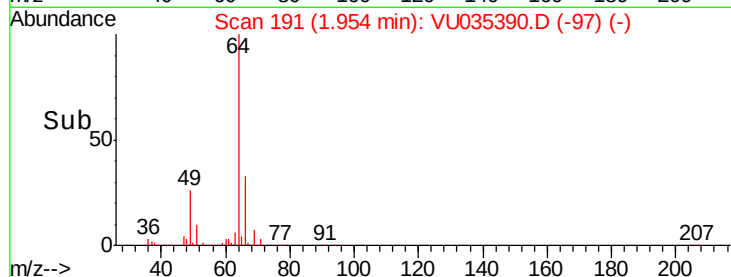
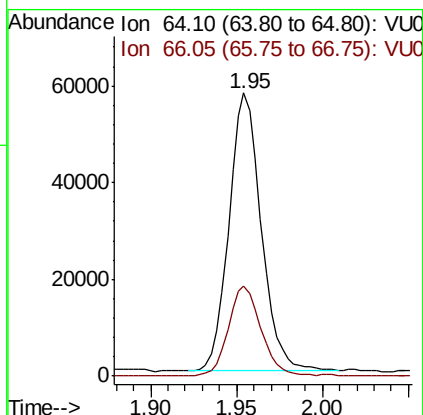
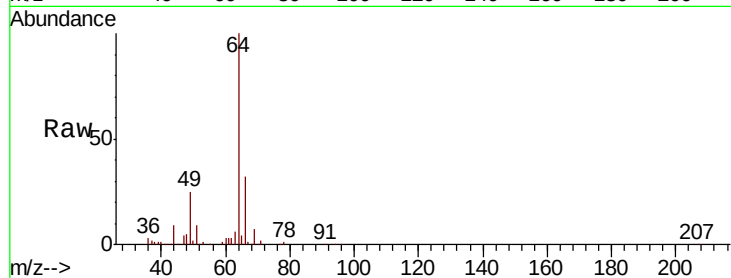




#8
Chloroethane
Concen: 5.657 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

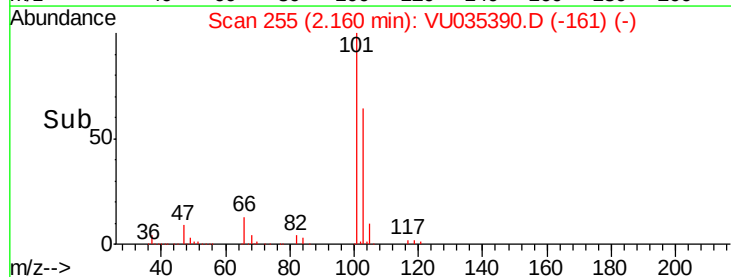
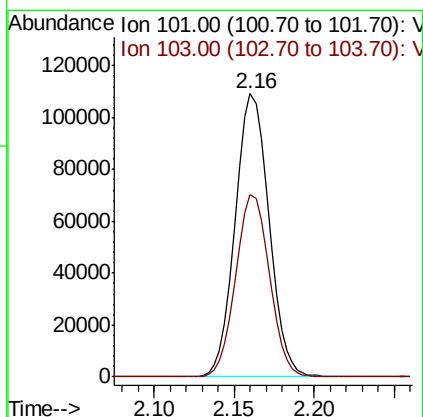
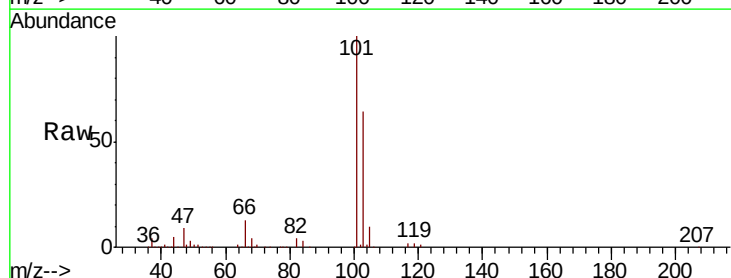
Instrument :
MSVOA_U
ClientSampleId :

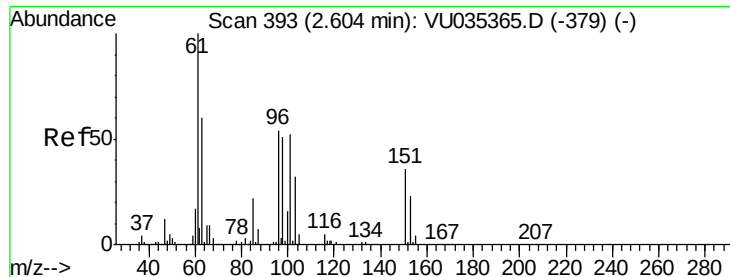
Tot Ion: 64 Resp: 75413
Ion Ratio Lower Upper
64 100
66 31.7 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.696 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion:101 Resp: 157211
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 5.669 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.01 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

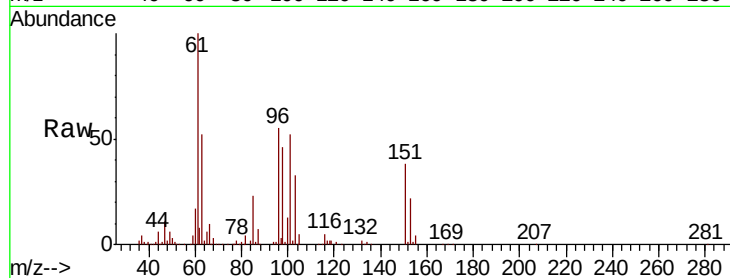
Tot Ion:101 Resp: 90146

Ion Ratio Lower Upper

101 100

85 44.7 33.9 50.9

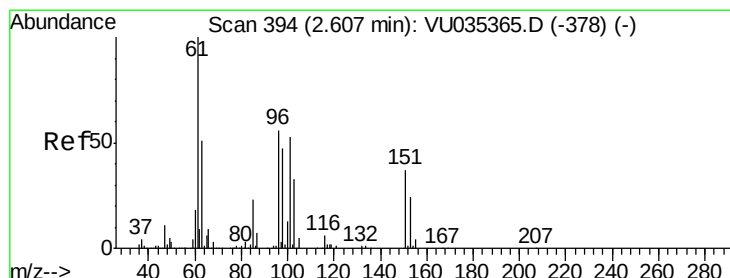
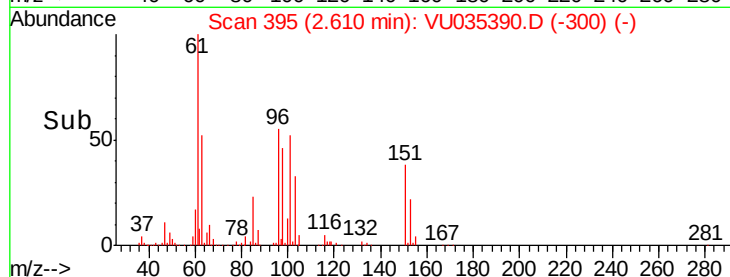
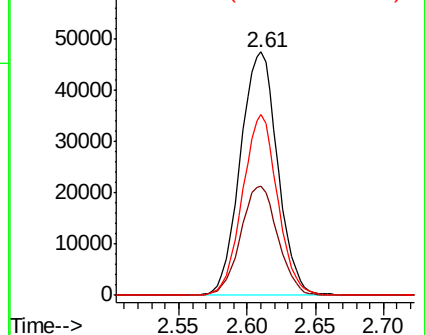
151 70.0 61.0 91.4



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: 5.434 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

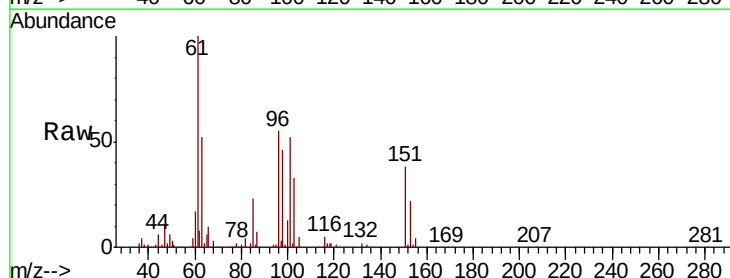
Tgt Ion: 96 Resp: 83245

Ion Ratio Lower Upper

96 100

61 181.7 120.6 224.0

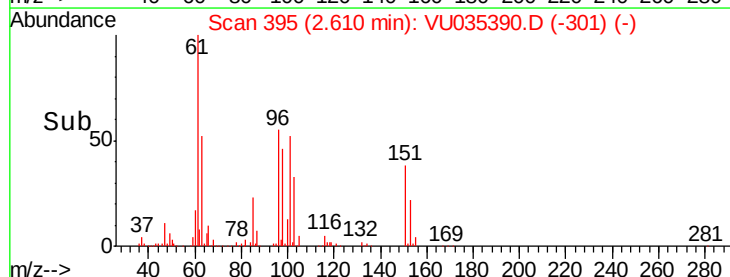
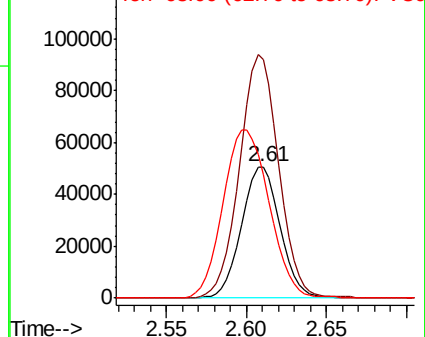
63 93.6 86.8 161.2

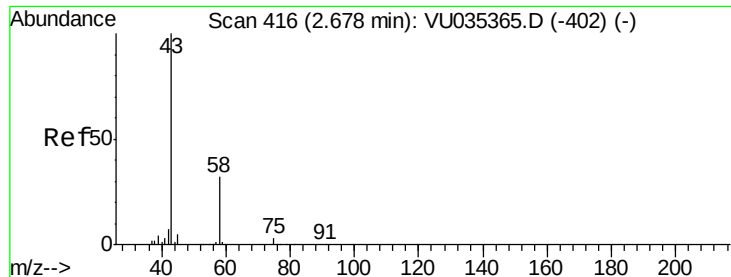


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.981 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

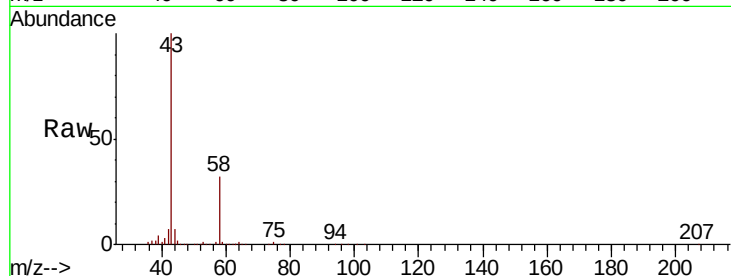
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 168513

Ion Ratio Lower Upper

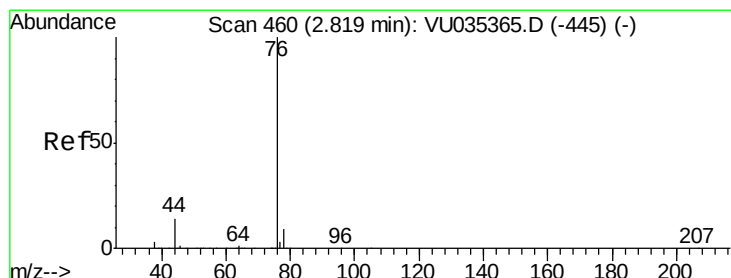
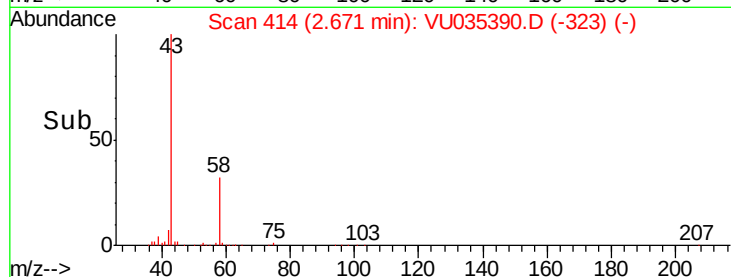
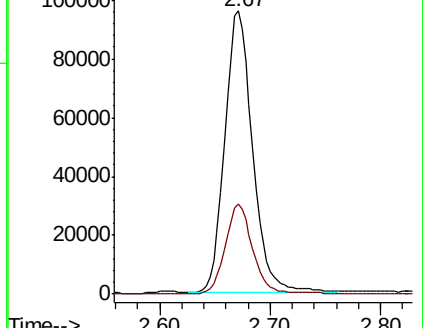
43 100

58 31.2 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035390.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035390.D (-323) (-)



#14

Carbon disulfide

Concen: 5.406 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035390.D

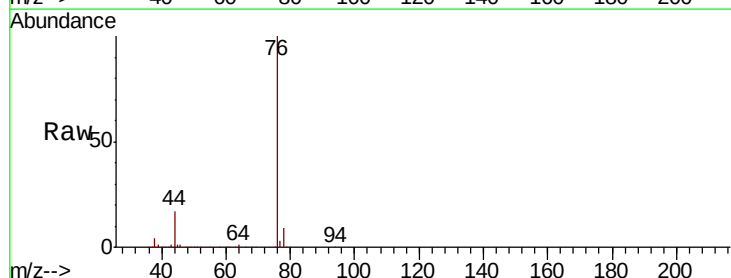
Acq: 23 Oct 2019 02:15

Tgt Ion: 76 Resp: 261887

Ion Ratio Lower Upper

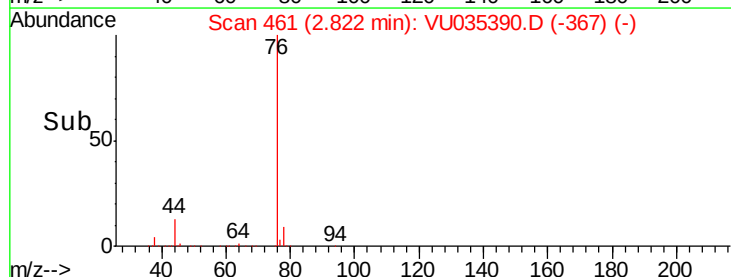
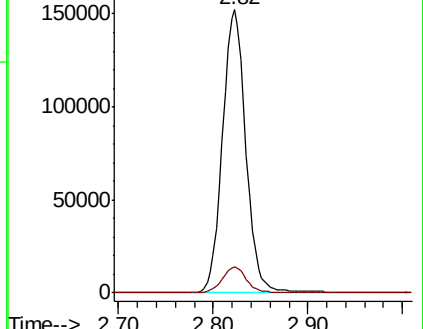
76 100

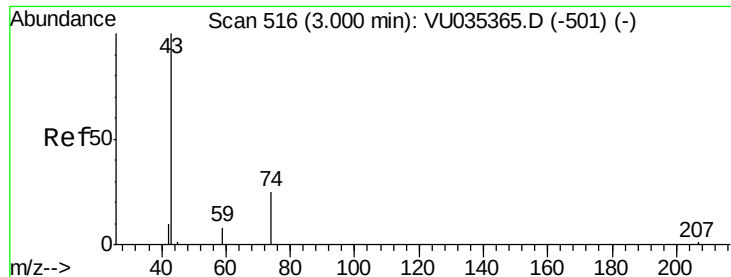
78 9.2 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035390.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU035390.D (-367) (-)

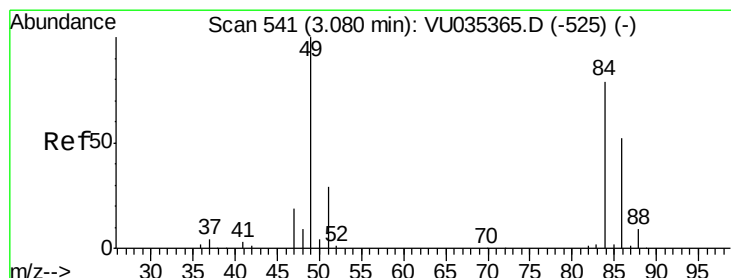
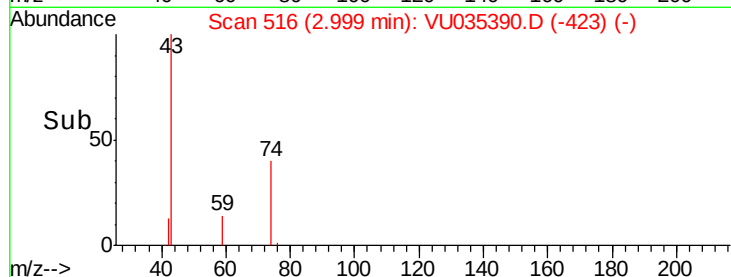
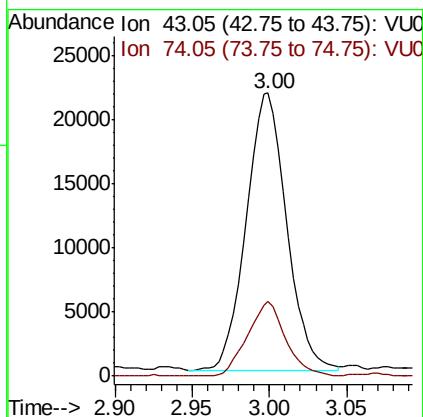
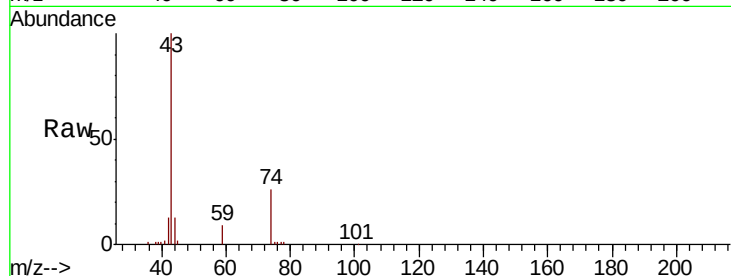




#15
Methvl Acetate
Concen: 5.418 ug/L
RT: 3.00 min Scan# 516
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

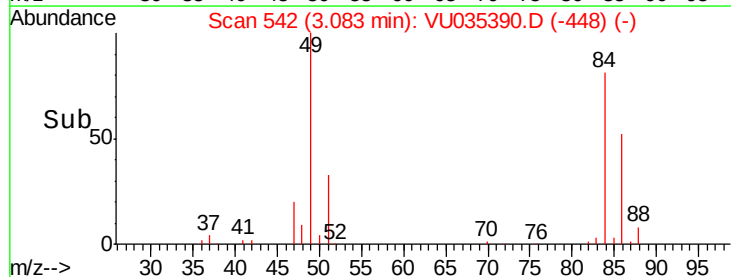
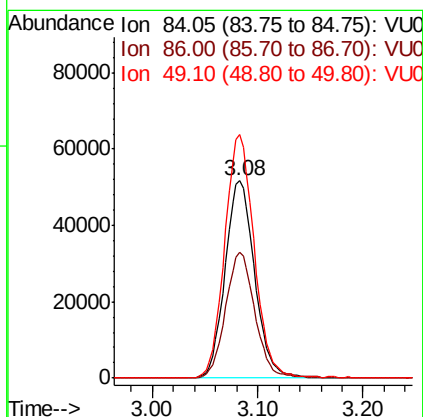
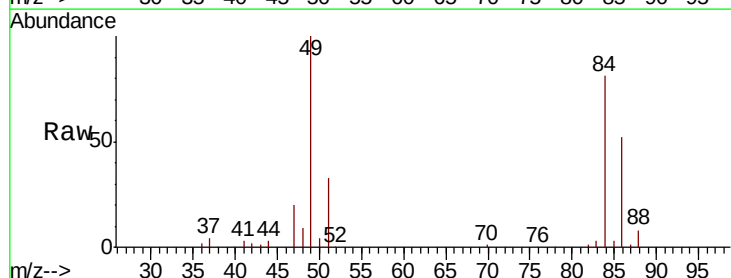
Instrument :
MSVOA_U
ClientSampled :

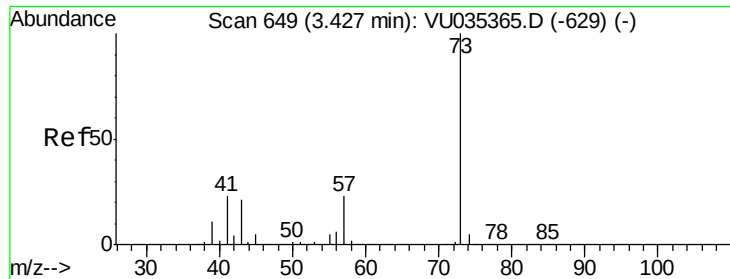
Tot Ion: 43 Resp: 39235
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 5.457 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion: 84 Resp: 100566
Ion Ratio Lower Upper
84 100
86 63.7 45.4 84.2
49 123.3 86.8 161.2

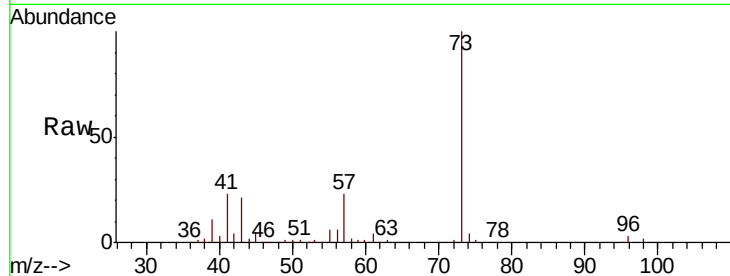




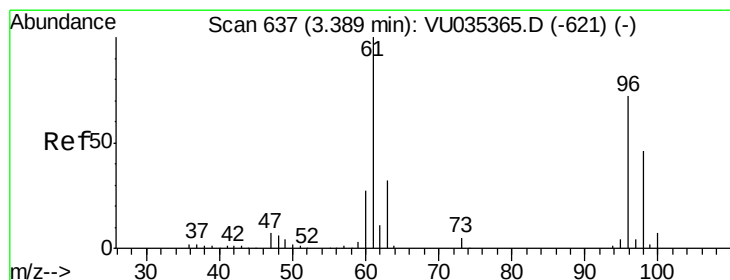
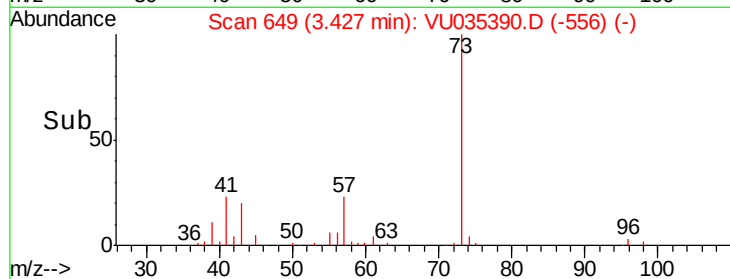
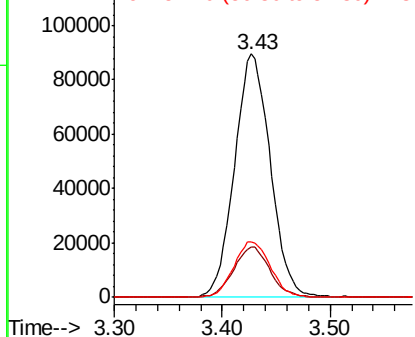
#17
Methyl tert-butyl Ether
Concen: 5.021 ug/L
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 207012
Ion Ratio Lower Upper
73 100
43 20.5 16.0 24.0
57 23.3 17.4 26.2

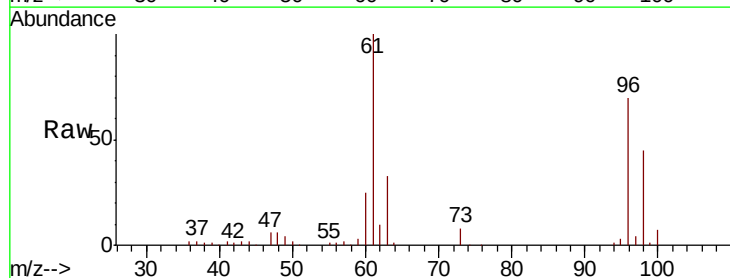


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

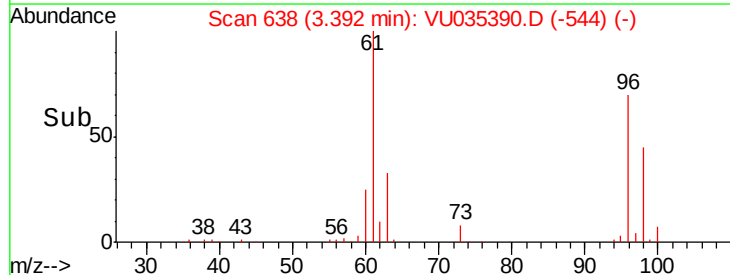
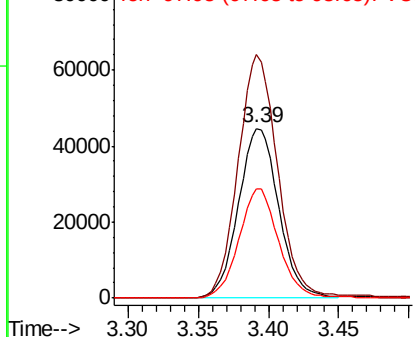


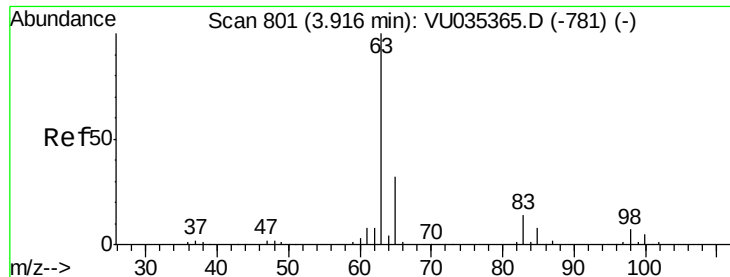
#18
trans-1,2-Dichloroethene
Concen: 5.410 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion: 96 Resp: 89437
Ion Ratio Lower Upper
96 100
61 143.4 93.0 172.6
98 64.7 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

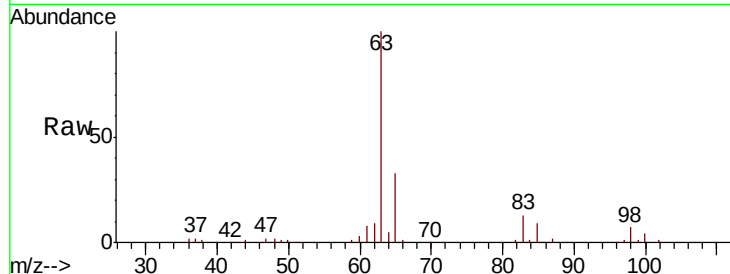




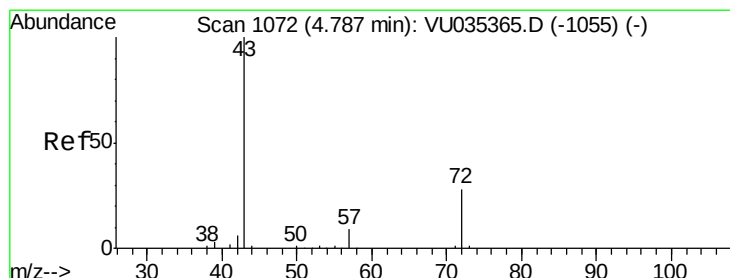
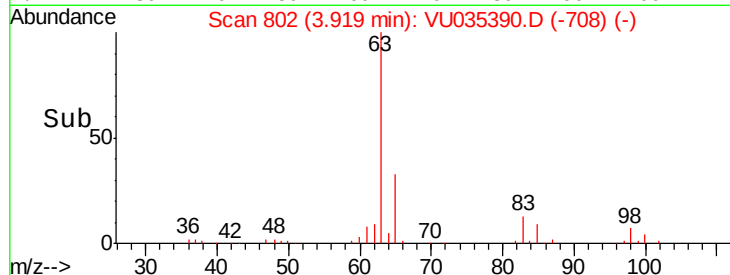
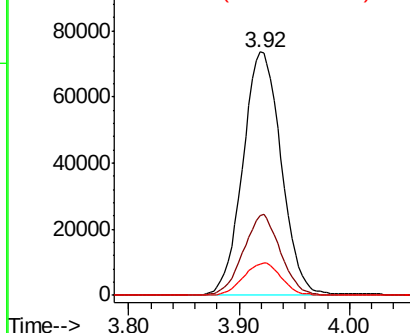
#19
 1,1-Dichloroethane
 Concen: 5.938 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 177537
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.4 41.6
 83 12.9 9.3 17.3

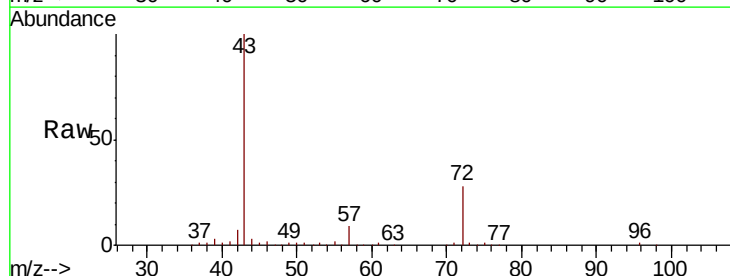


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

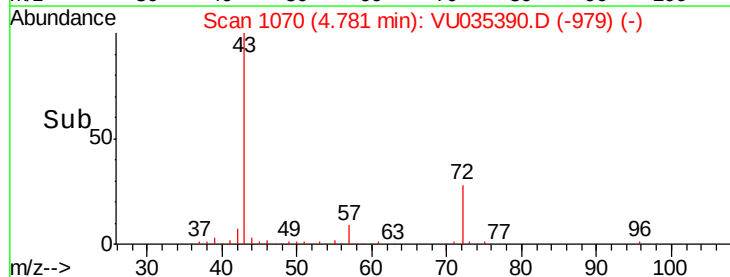
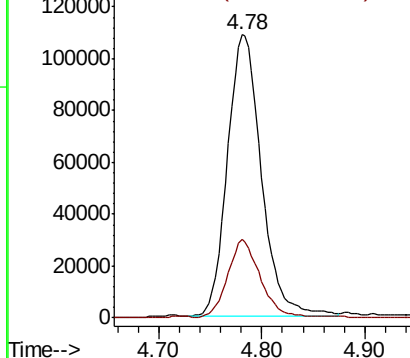


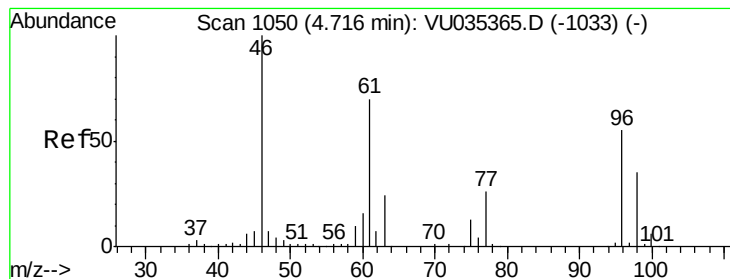
#21
 2-Butanone
 Concen: 52.503 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. -0.01 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Tgt Ion: 43 Resp: 248710
 Ion Ratio Lower Upper
 43 100
 72 26.3 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.531 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :
MSVOA_U
ClientSampleId :

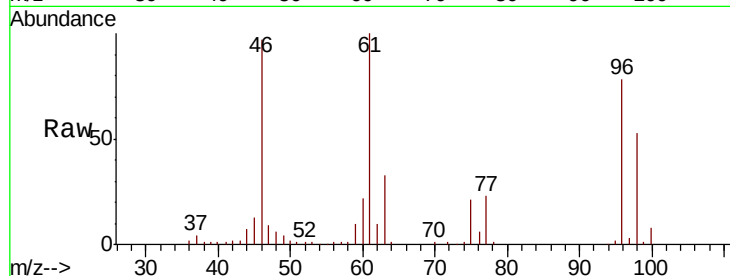
Tot Ion: 96 Resp: 101069

Ion Ratio Lower Upper

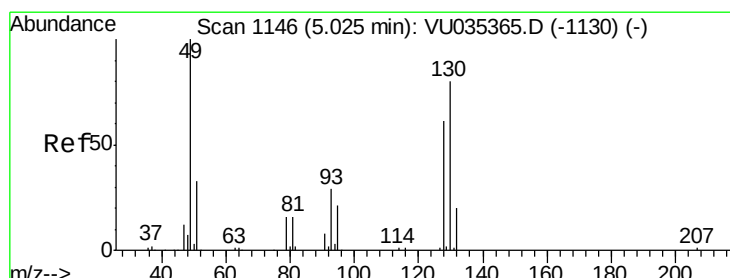
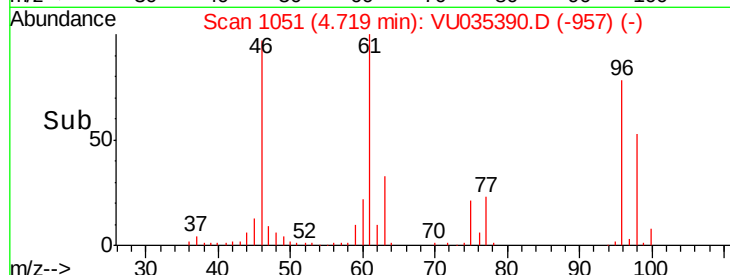
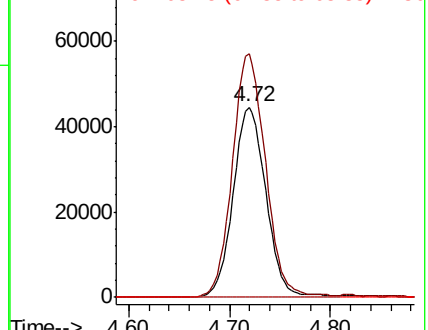
96 100

61 128.0 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: 5.652 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Tgt Ion:128 Resp: 44461

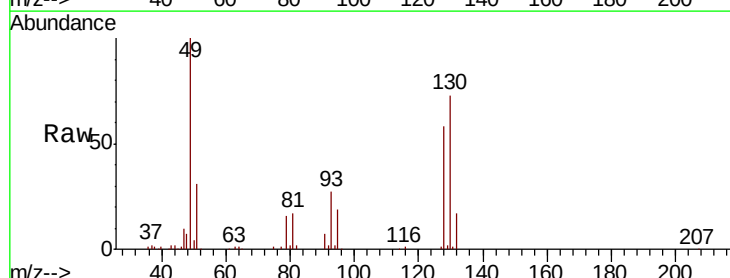
Ion Ratio Lower Upper

128 100

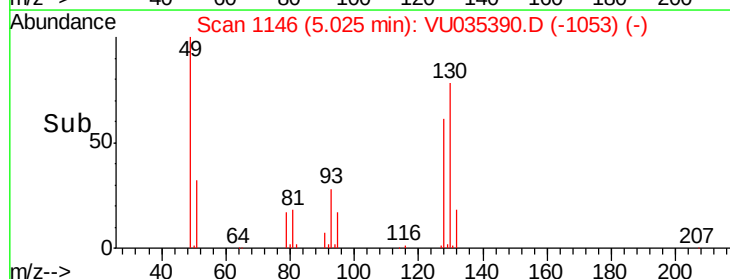
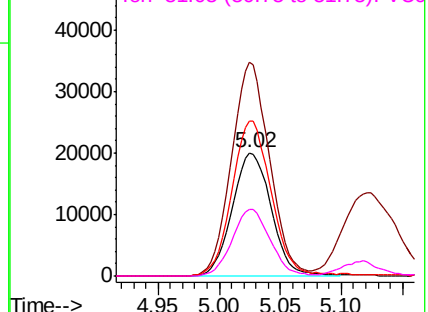
49 173.7 109.3 203.1

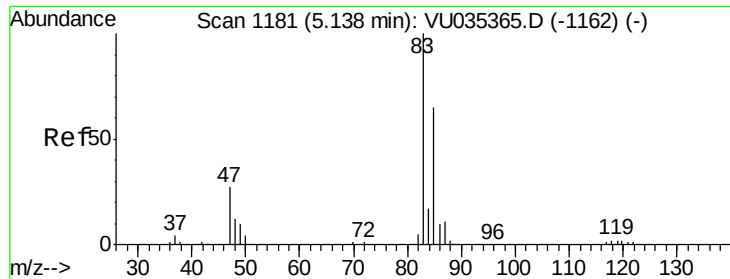
130 126.4 88.7 164.7

51 54.5 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

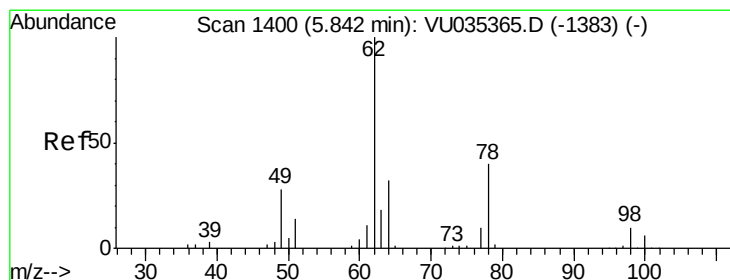
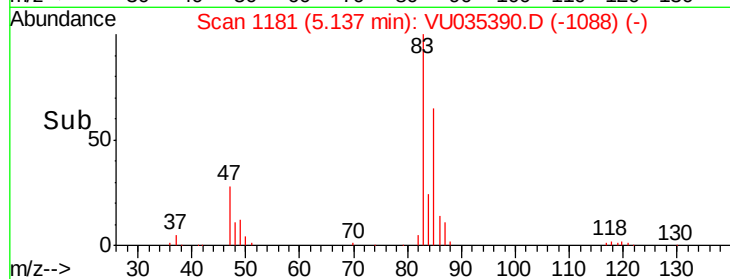
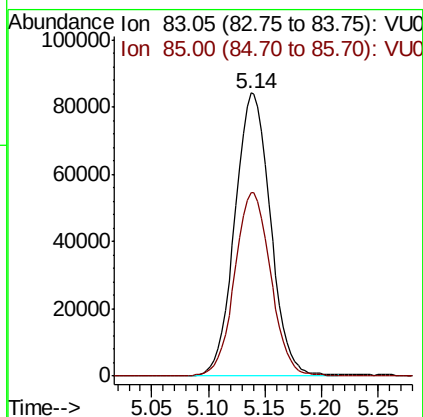
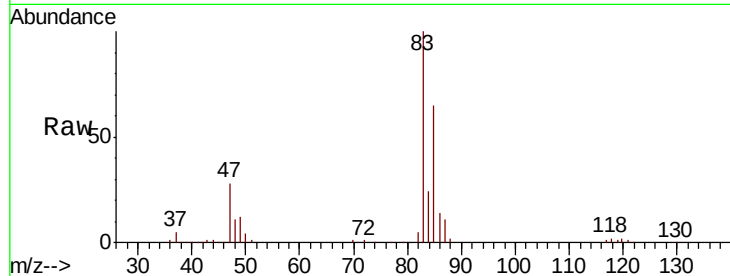




#25
Chloroform
Concen: 5.633 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

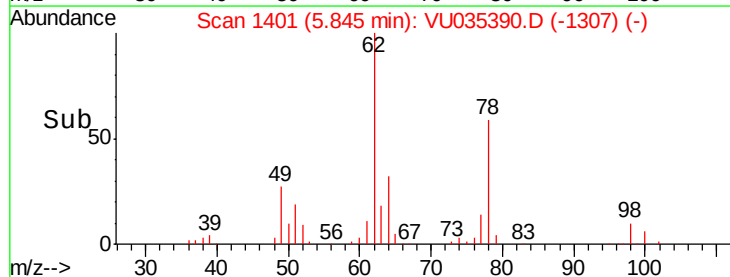
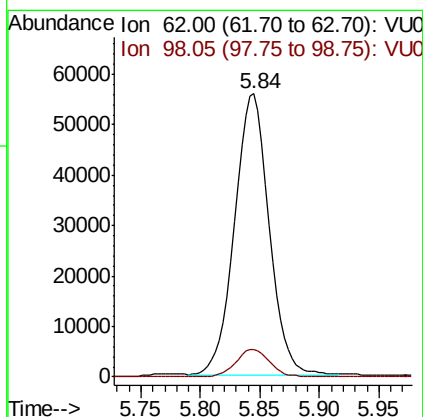
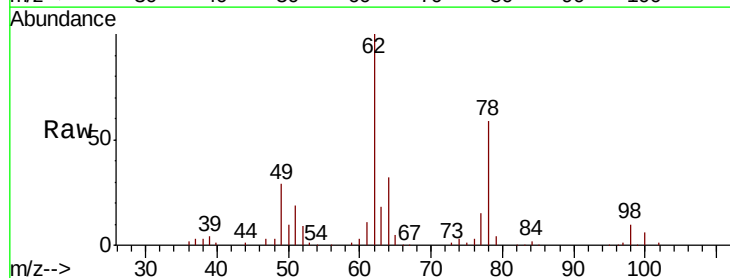
Instrument :
MSVOA_U
ClientSampleId :

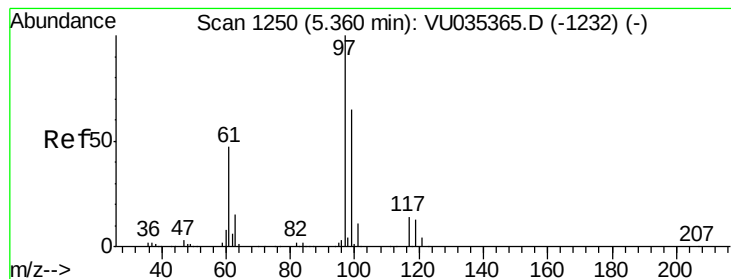
Tot Ion: 83 Resp: 184797
Ion Ratio Lower Upper
83 100
85 64.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.545 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion: 62 Resp: 111557
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 5.406 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

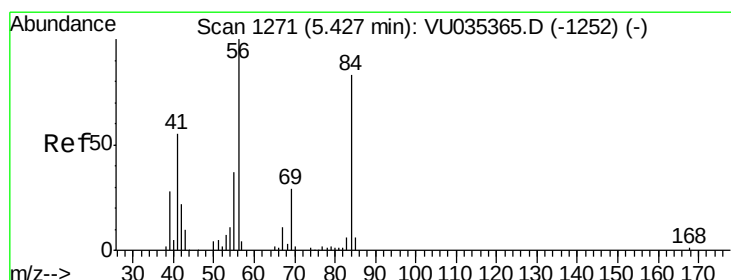
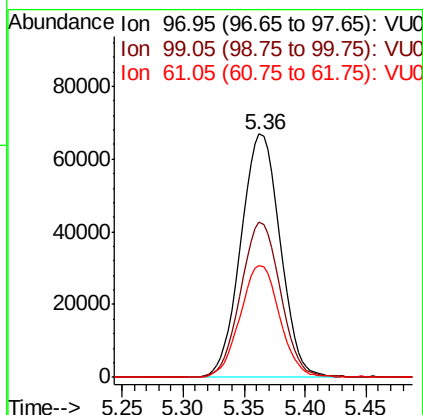
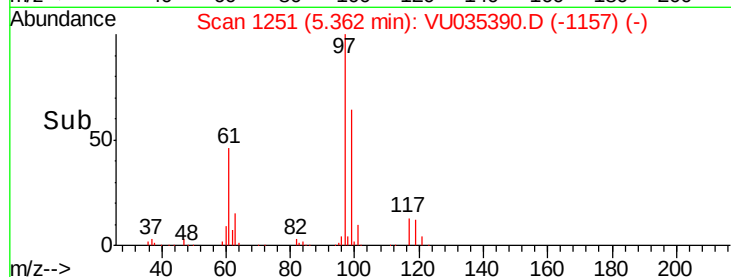
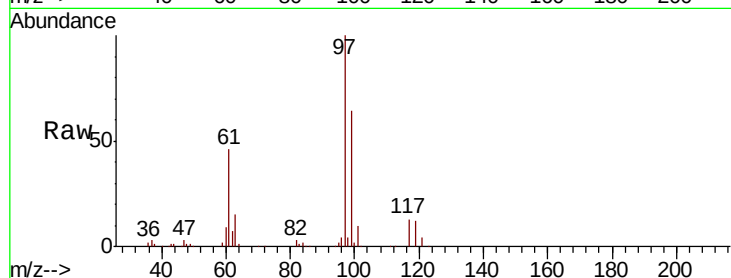
Tot Ion: 97 Resp: 149379

Ion Ratio Lower Upper

97 100

99 64.1 52.6 79.0

61 46.4 37.0 55.4



#30

Cyclohexane

Concen: 4.733 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

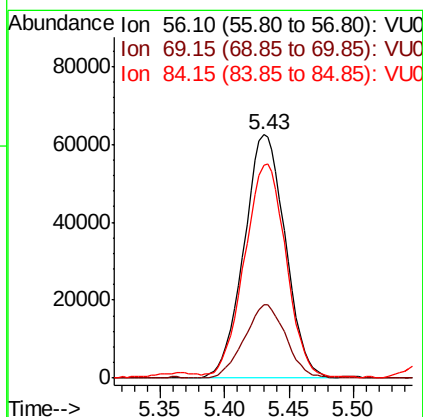
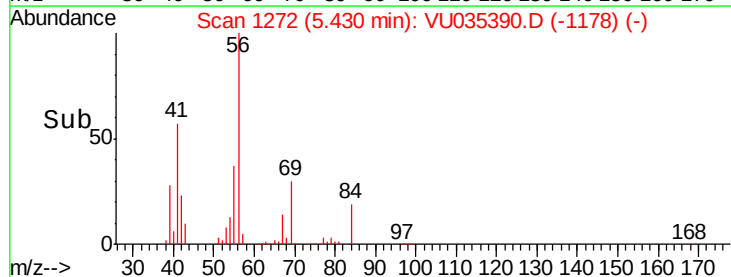
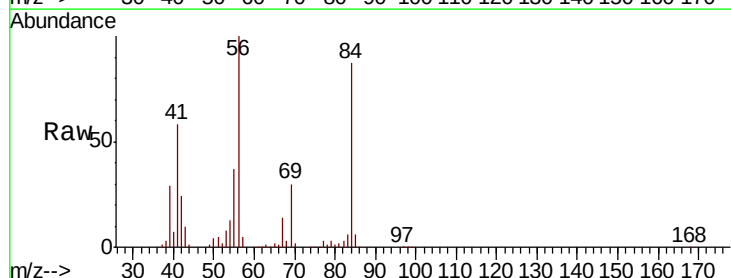
Tgt Ion: 56 Resp: 140076

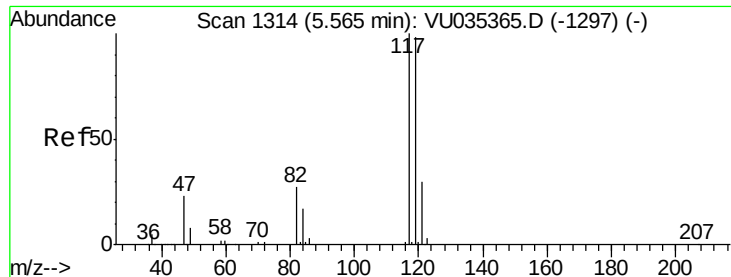
Ion Ratio Lower Upper

56 100

69 30.1 24.6 36.8

84 87.8 71.5 107.3

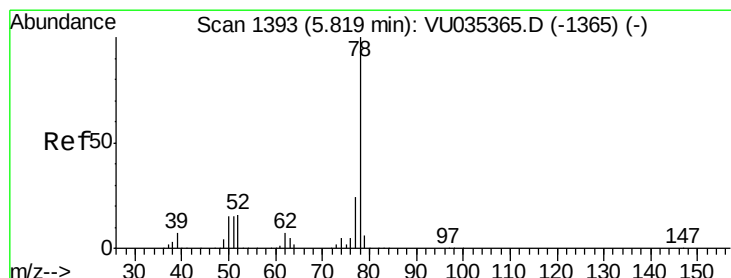
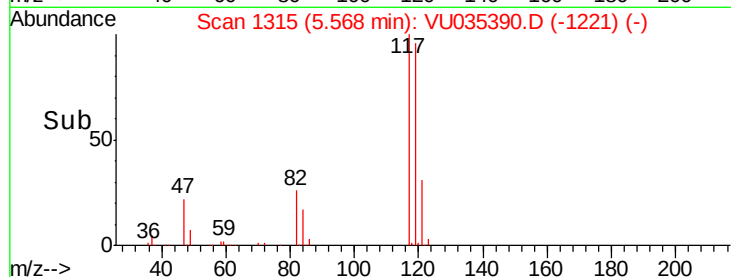
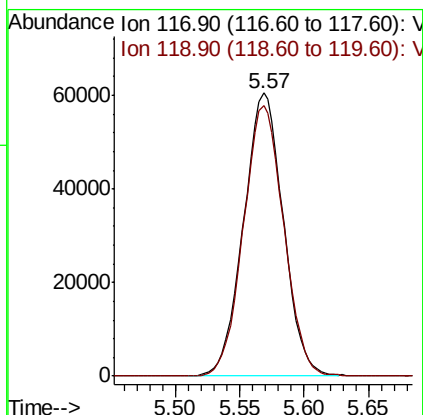
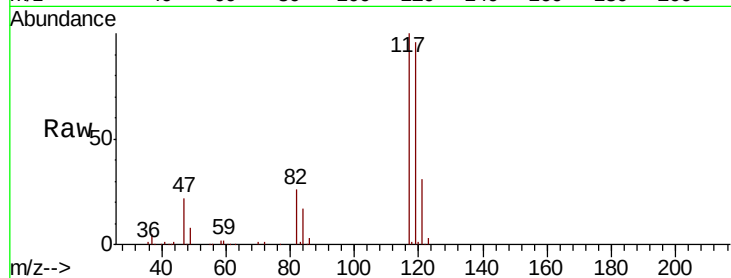




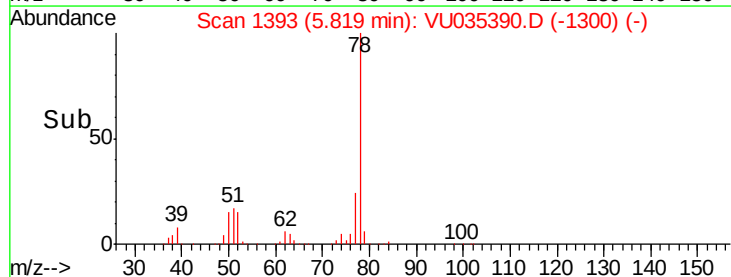
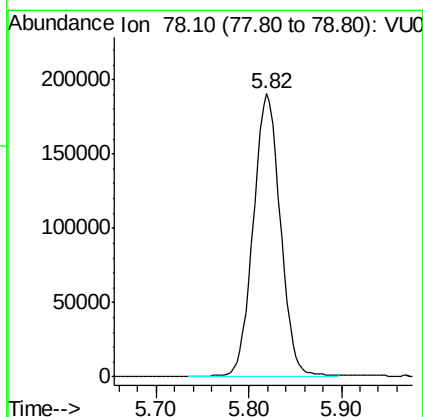
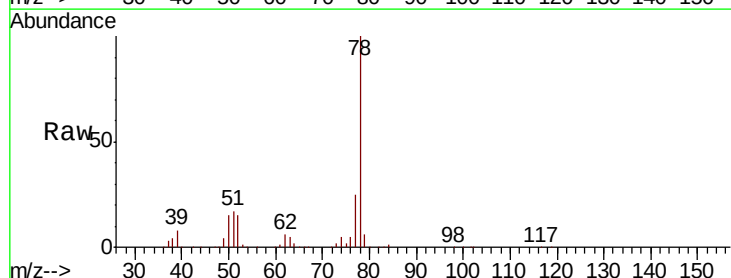
#31
Carbon tetrachloride
Concen: 5.218 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

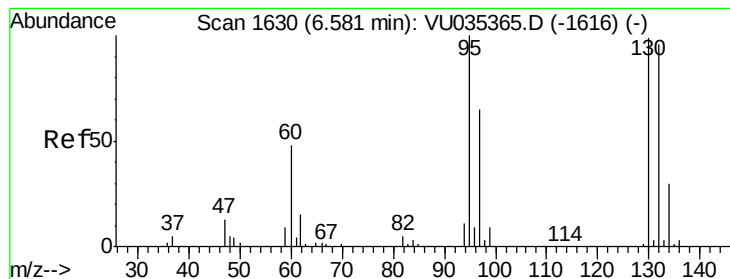
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 129841
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0



#33
Benzene
Concen: 5.597 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15
Tgt Ion: 78 Resp: 388484





#34

Trichloroethene

Concen: 5.323 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 99326

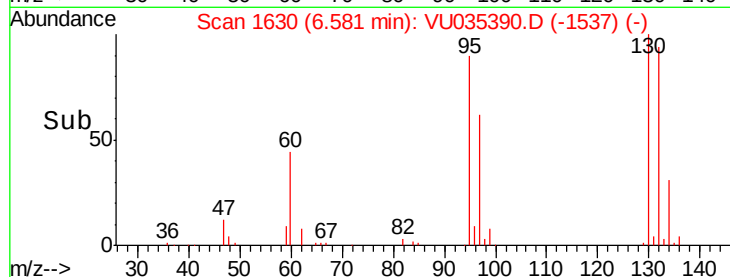
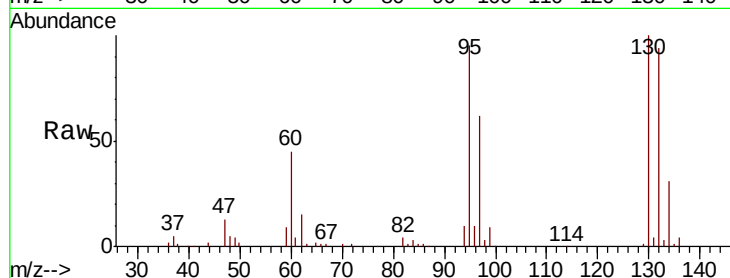
Ion Ratio Lower Upper

95 100

97 64.9 46.6 86.6

132 99.1 68.7 127.7

130 105.0 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU035390.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035390.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035390.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035390.D (-1537) (-)

Time-->

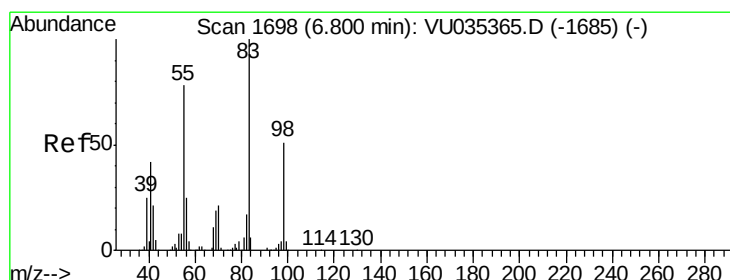
6.58

40000

20000

0

6.50 6.55 6.60 6.65



#35

Methylcyclohexane

Concen: 4.607 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

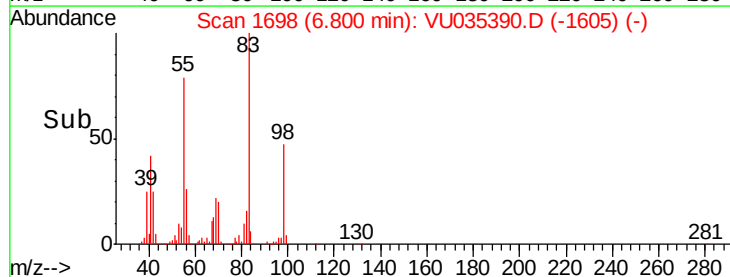
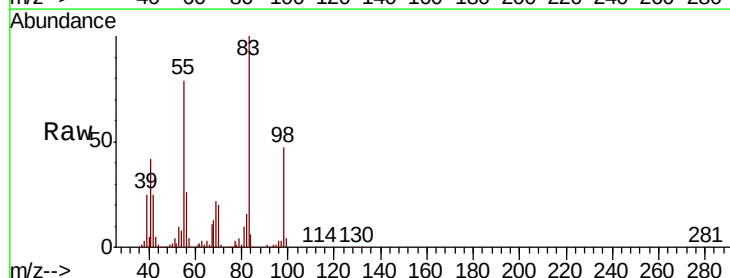
Tgt Ion: 83 Resp: 143689

Ion Ratio Lower Upper

83 100

55 79.3 60.4 90.6

98 48.0 39.5 59.3



Abundance Ion 83.15 (82.85 to 83.85): VU035390.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035390.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035390.D (-1605) (-)

Time-->

6.80

100000

80000

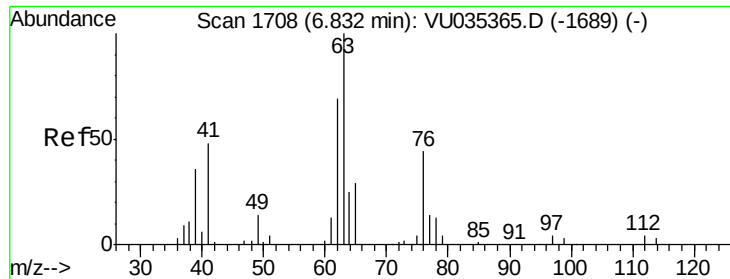
60000

40000

20000

0

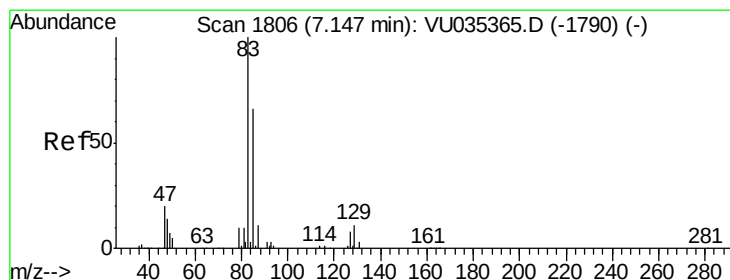
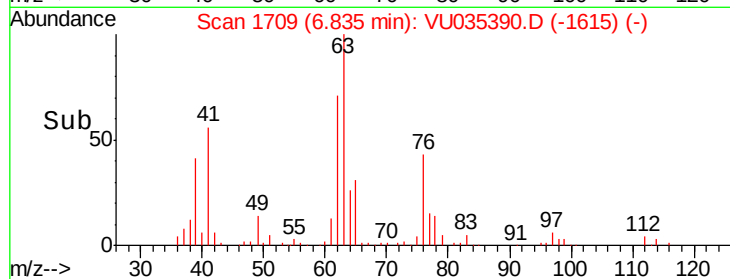
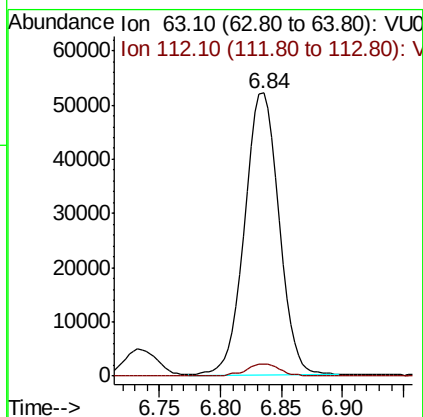
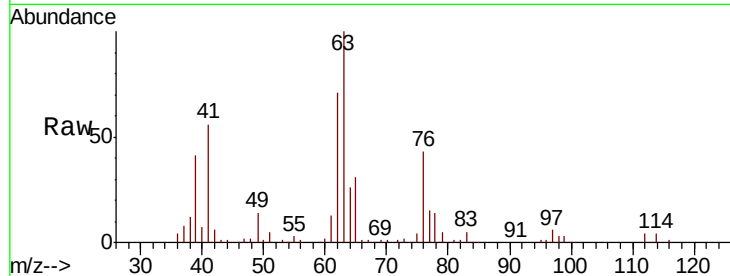
6.75 6.80 6.85 6.90



#37
 1,2-Dichloropropane
 Concen: 5.749 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

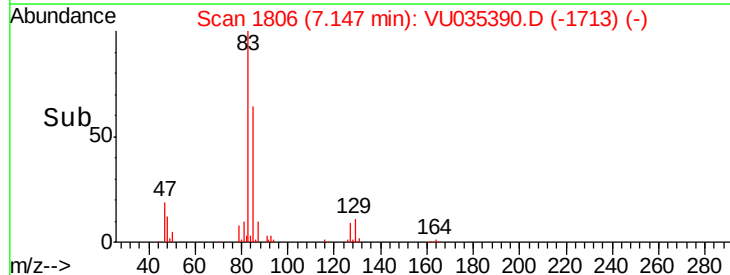
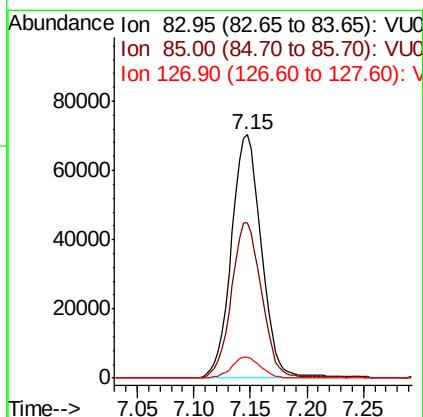
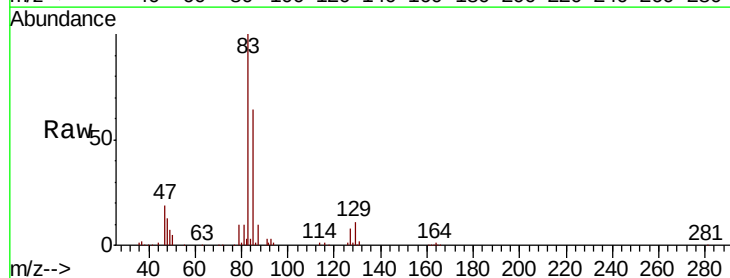
Instrument :
 MSVOA_U
 ClientSampled :

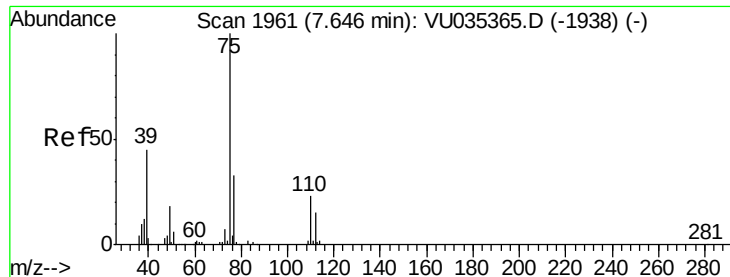
Tot Ion: 63 Resp: 101293
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.496 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Tgt Ion: 83 Resp: 130462
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.6 84.8
 127 8.5 6.9 10.3

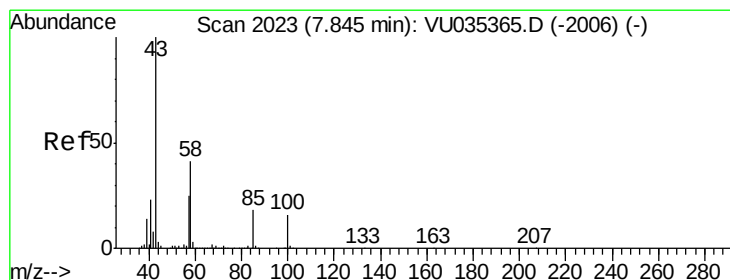
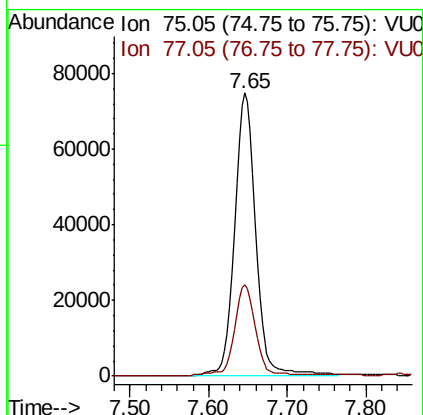
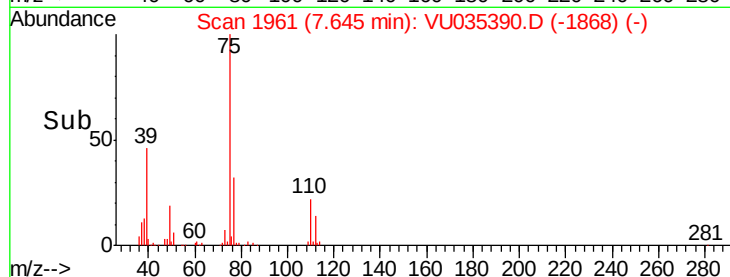
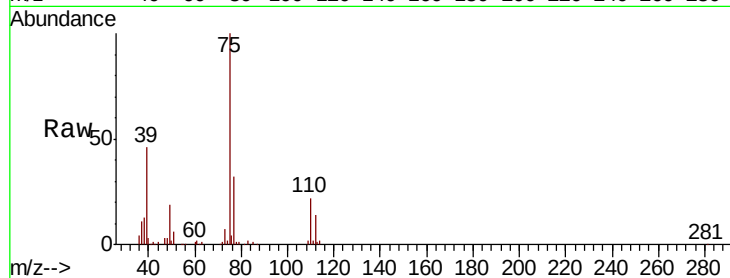




#39
 cis-1,3-Dichloropropene
 Concen: 4.729 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

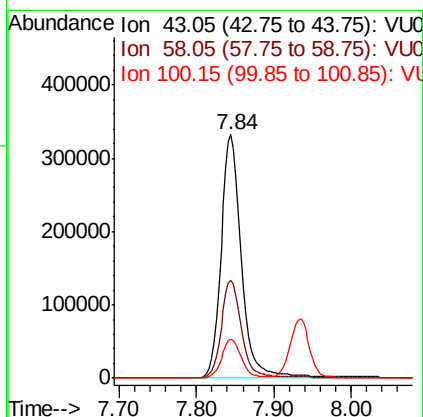
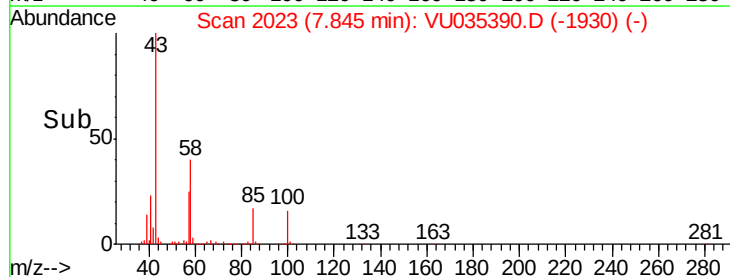
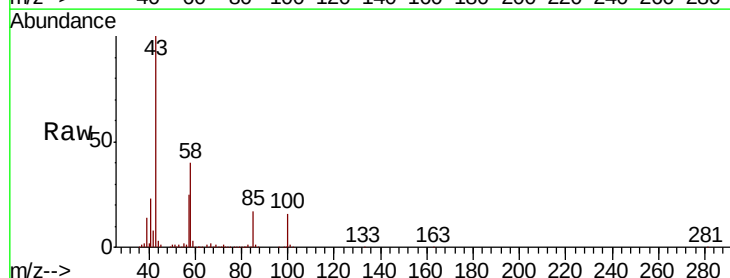
Instrument :
 MSVOA_U
 ClientSampleId :

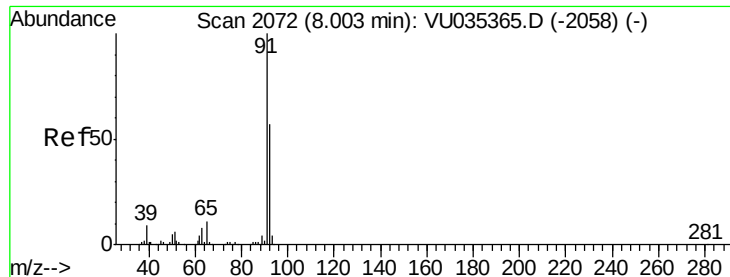
Tot Ion: 75 Resp: 139466
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 51.471 ug/L
 RT: 7.84 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Tgt Ion: 43 Resp: 612236
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.3 48.5
 100 15.3 13.4 20.2





#42

Toluene

Concen: 5.432 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

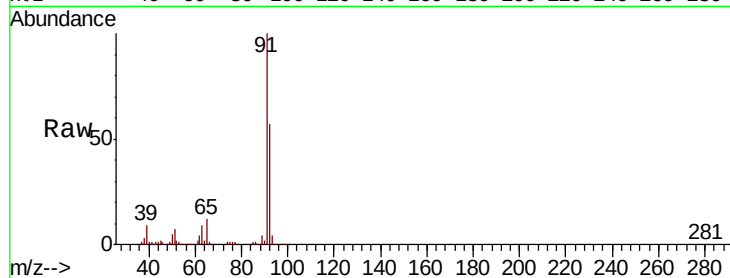
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 416164

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035365.D (-2058) (-)

Ion 92.15 (91.85 to 92.85): VU035390.D (-1979) (-)

8.01

250000

200000

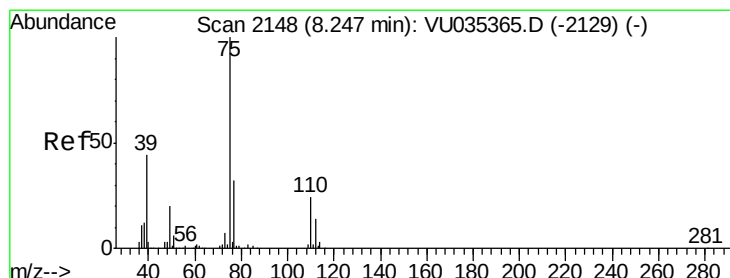
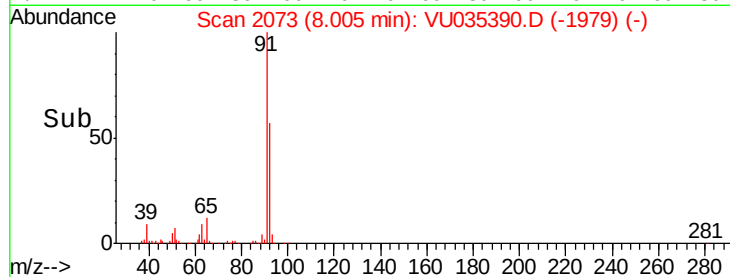
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.675 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035390.D

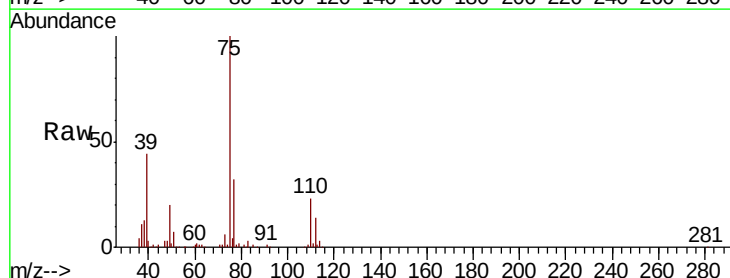
Acq: 23 Oct 2019 02:15

Tgt Ion: 75 Resp: 112674

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035365.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035390.D (-2055) (-)

8.25

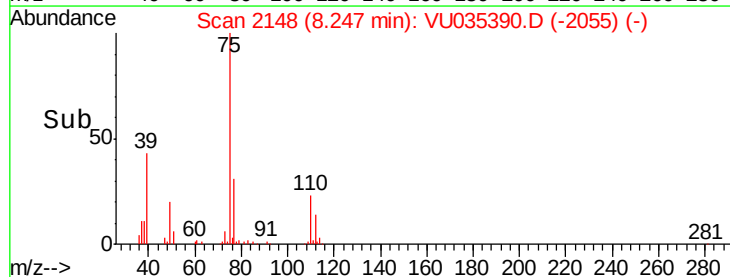
60000

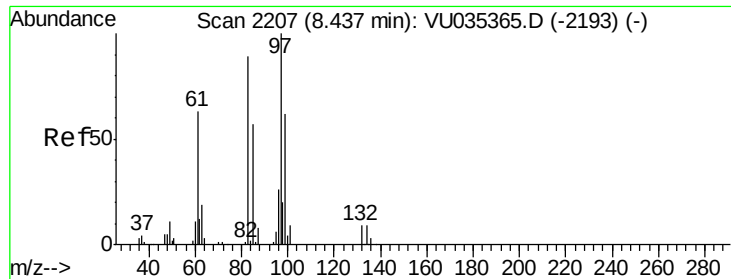
40000

20000

0

Time-->

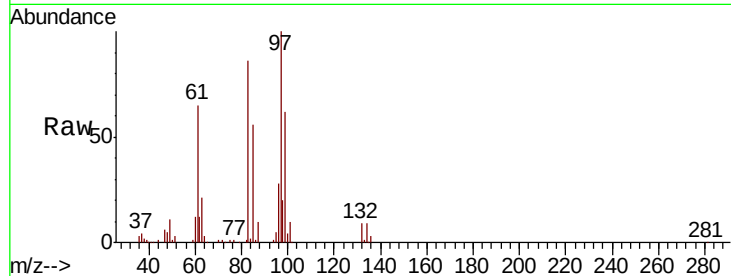




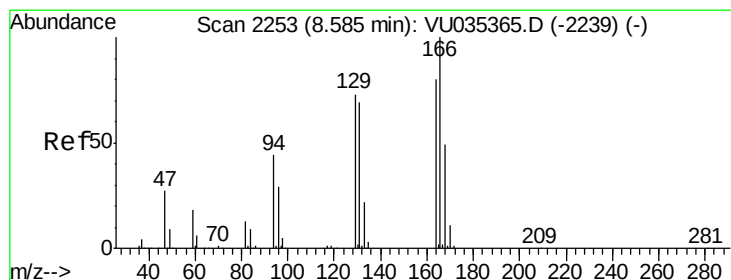
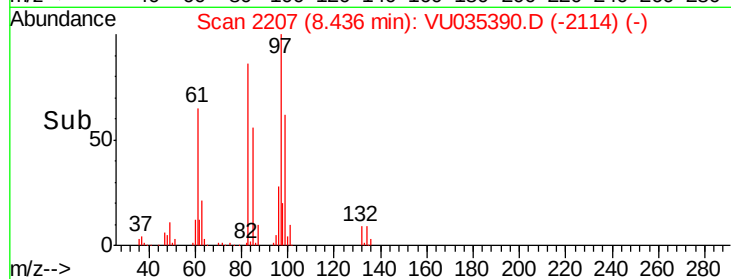
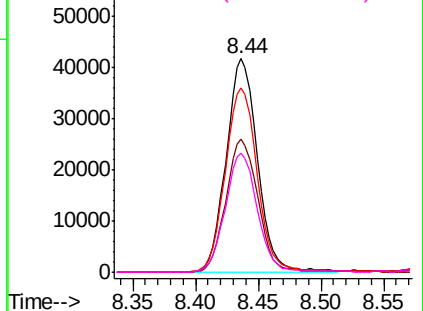
#45
 1,1,2-Trichloroethane
 Concen: 5.538 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	72447
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.9	79.7
83	86.1	60.4	112.2
85	56.0	38.4	71.2

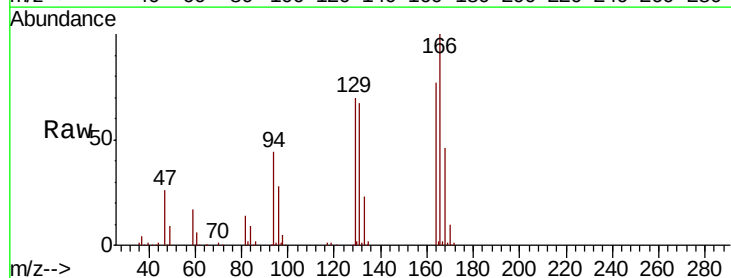


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

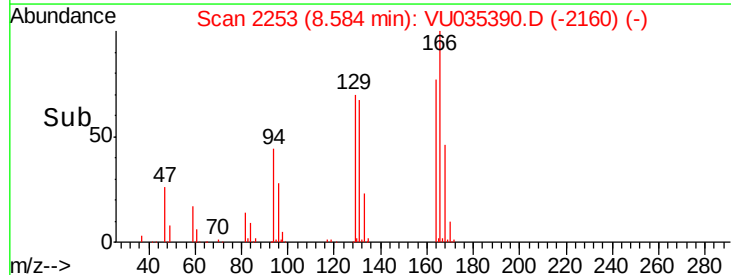
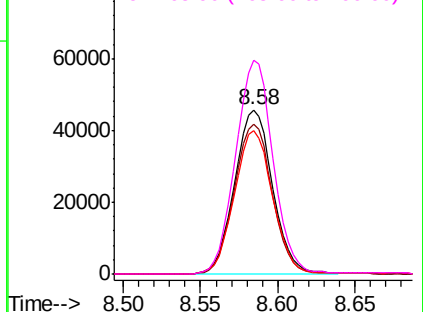


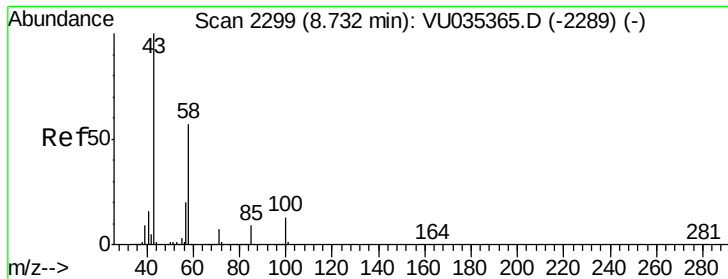
#47
 Tetrachloroethene
 Concen: 5.034 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Tgt Ion:	164	Resp:	78252
Ion	Ratio	Lower	Upper
164	100		
129	91.0	65.2	121.0
131	87.6	62.9	116.9
166	130.3	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

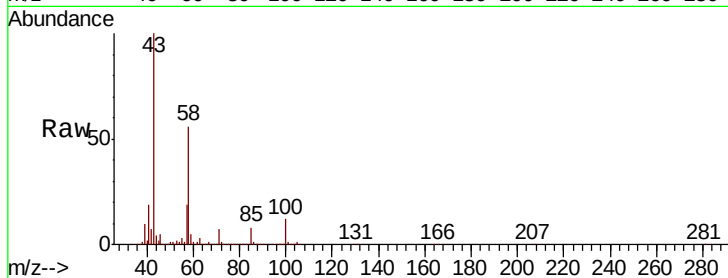




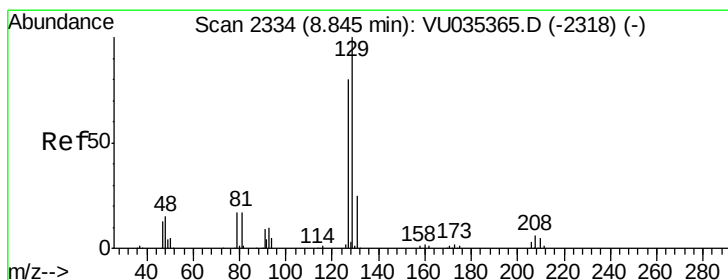
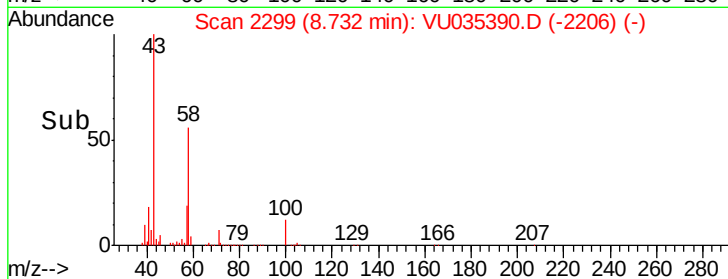
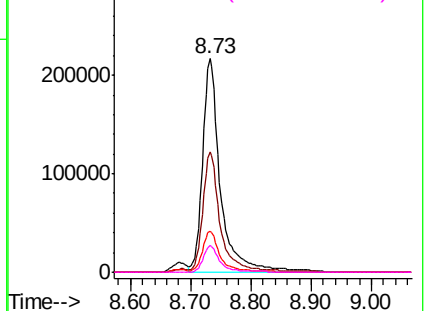
#48
2-Hexanone
Concen: 53.545 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 446671
Ion Ratio Lower Upper
43 100
58 52.9 45.1 67.7
57 18.5 16.0 24.0
100 11.4 10.4 15.6

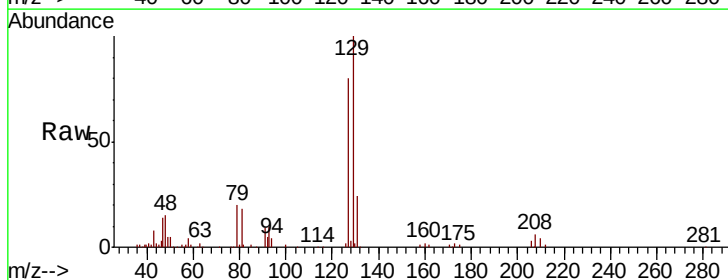


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

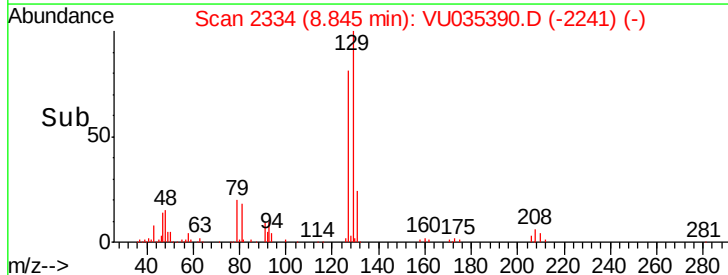
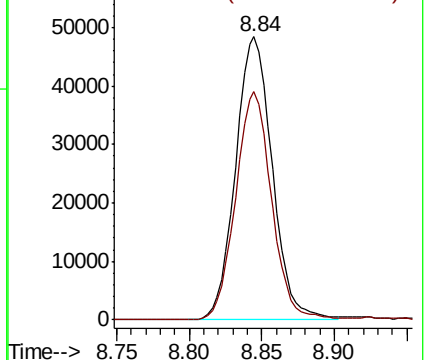


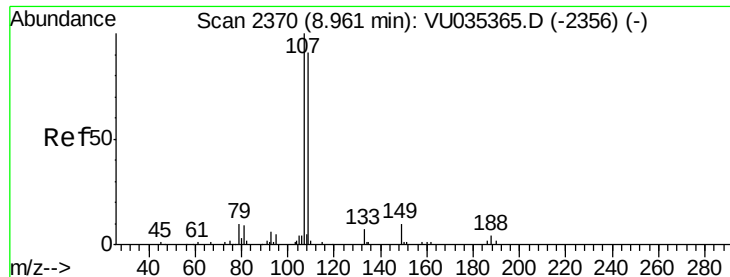
#49
Dibromochloromethane
Concen: 5.150 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion: 129 Resp: 85417
Ion Ratio Lower Upper
129 100
127 80.5 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

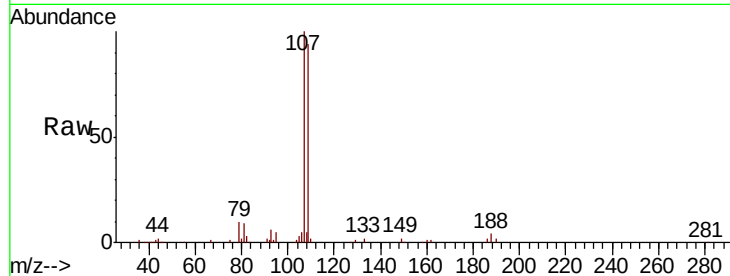




#50
1,2-Dibromoethane
Concen: 5.280 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.1	122.8
188	4.0	3.2	4.8

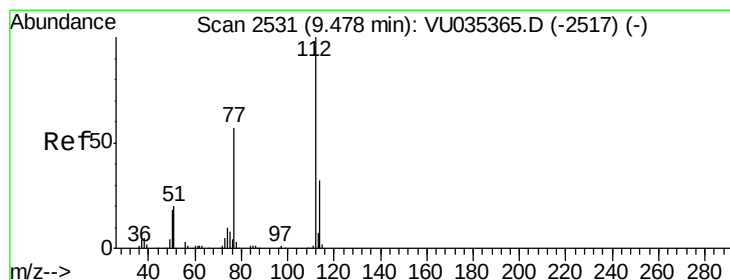
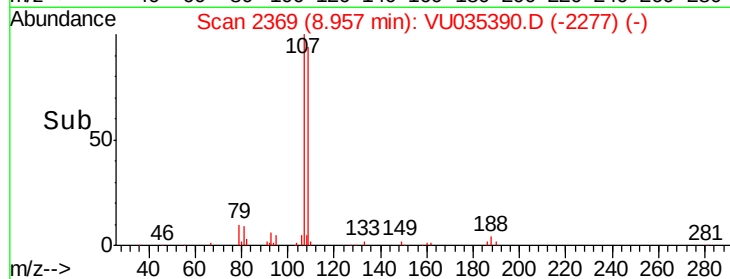
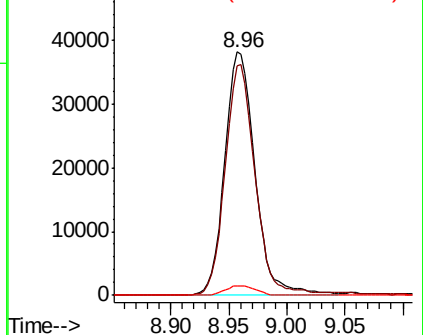


Abundance

Ion 106.95 (106.65 to 107.65): V

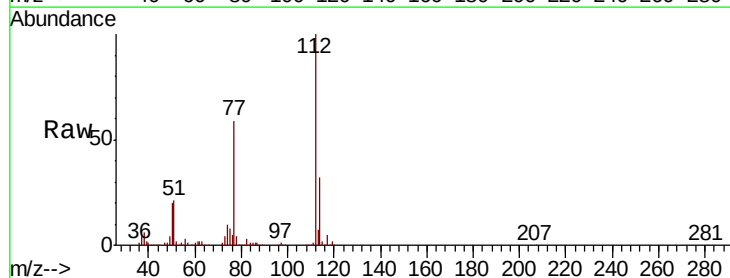
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.212 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	23.0	42.8
77	59.0	47.5	71.3

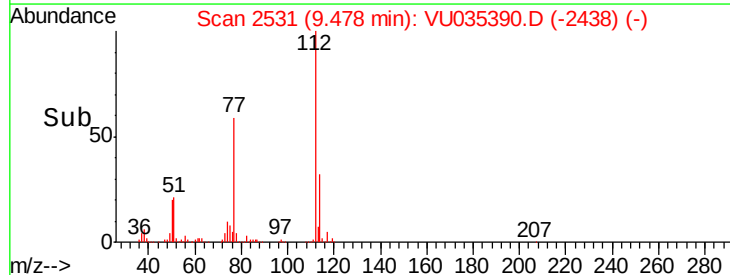
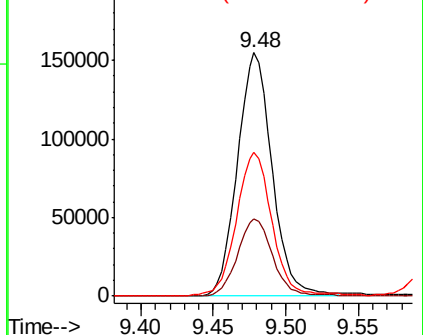


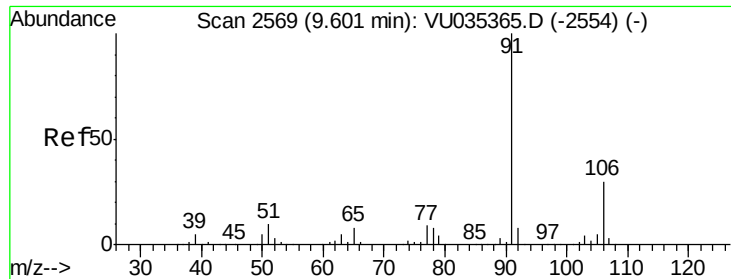
Abundance

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): VU

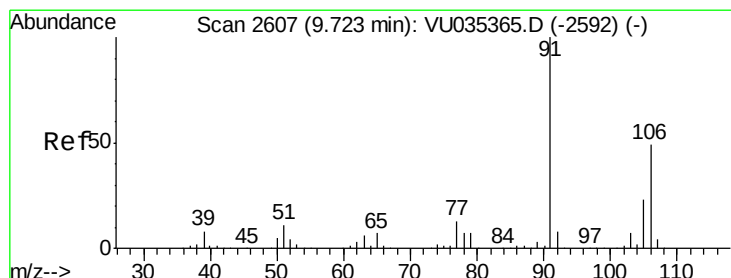
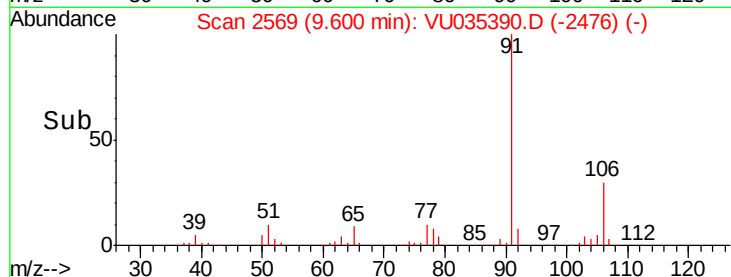
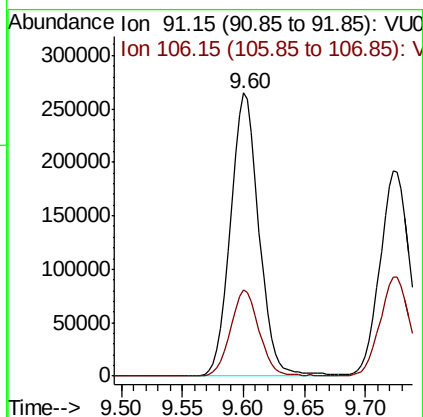
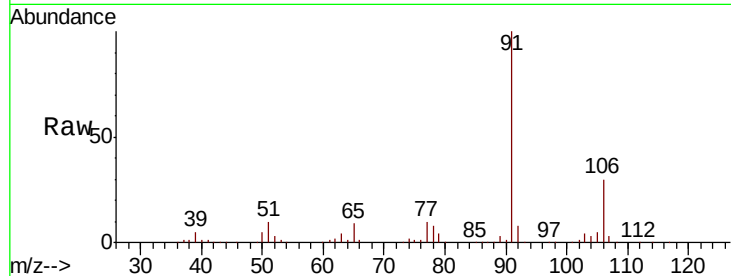




#52
Ethylbenzene
Concen: 4.950 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

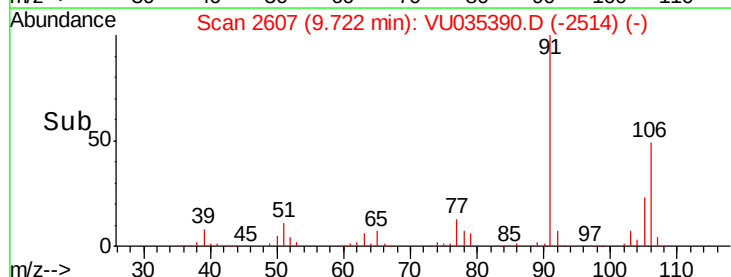
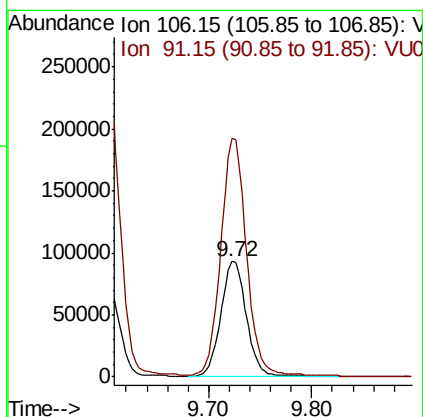
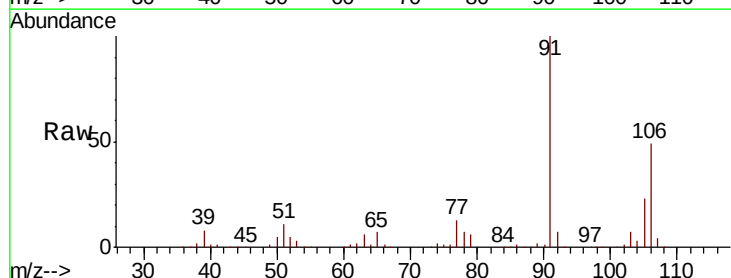
Instrument :
MSVOA_U
ClientSampleId :

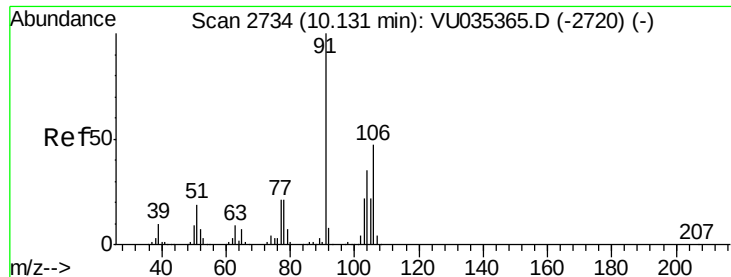
Tot Ion: 91 Resp: 431266
Ion Ratio Lower Upper
91 100
106 30.3 21.3 39.6



#53
m,p-Xylene
Concen: 4.829 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion: 106 Resp: 158872
Ion Ratio Lower Upper
106 100
91 206.2 142.0 263.6

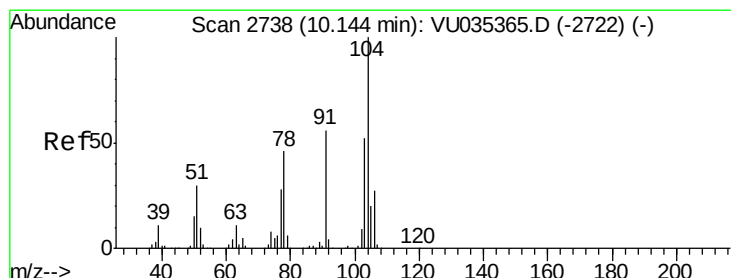
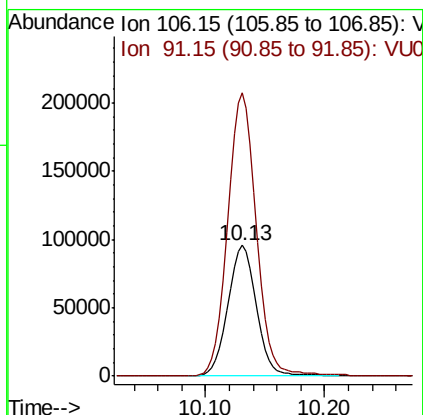
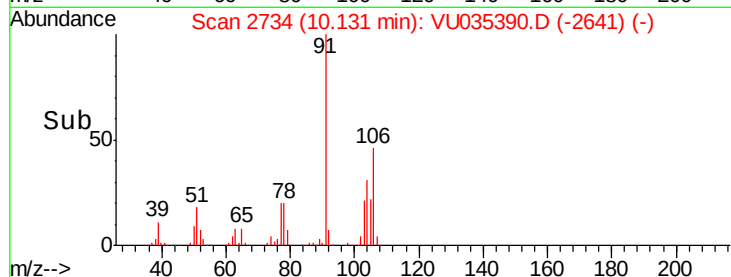
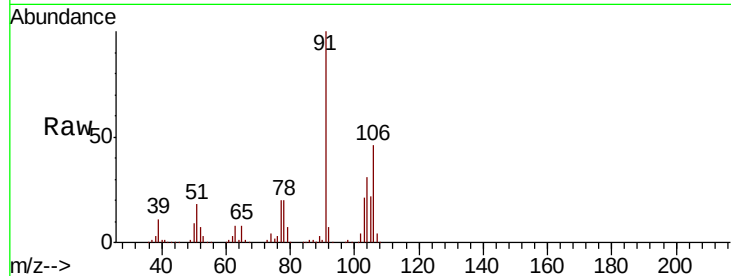




#54
o-Xylene
Concen: 4.970 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

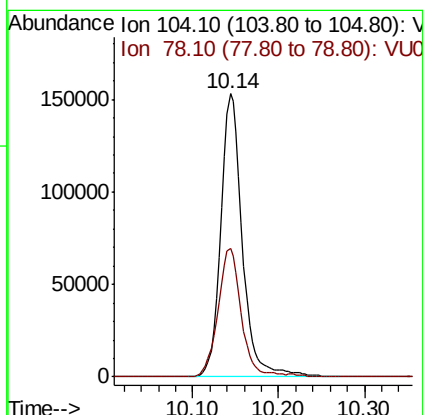
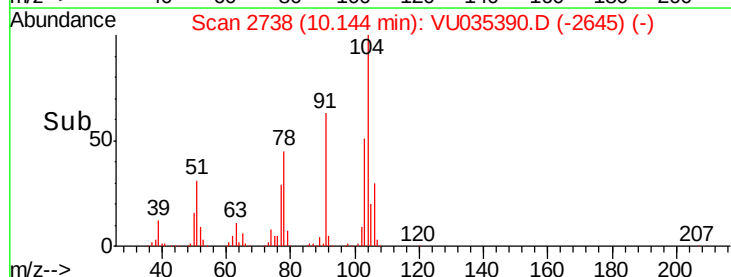
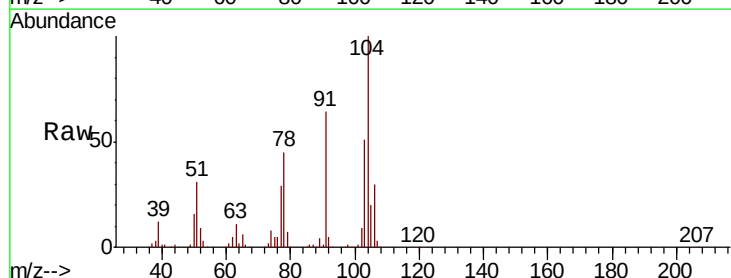
Instrument :
MSVOA_U
ClientSampled :

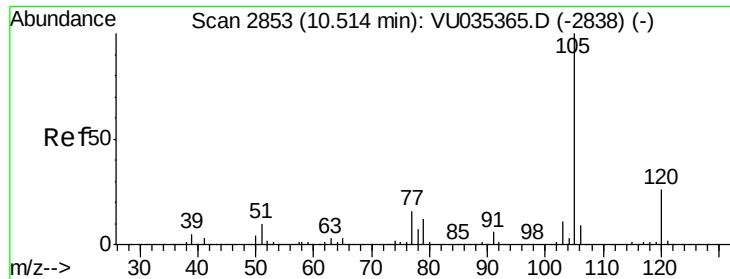
Tot Ion:106 Resp: 159575
Ion Ratio Lower Upper
106 100
91 216.6 153.2 284.6



#55
Styrene
Concen: 5.110 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035390.D
Acq: 23 Oct 2019 02:15

Tgt Ion:104 Resp: 267134
Ion Ratio Lower Upper
104 100
78 45.4 31.3 58.1





#56

Isopropylbenzene

Concen: 4.814 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

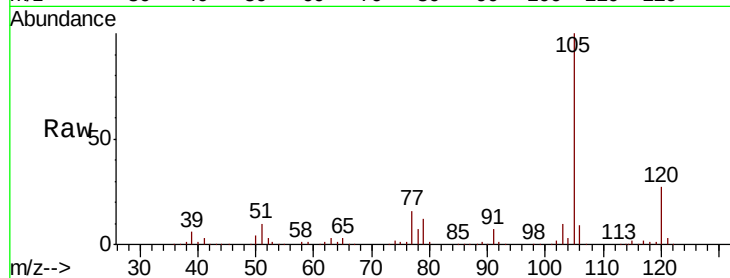
Tot Ion:105 Resp: 415820

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

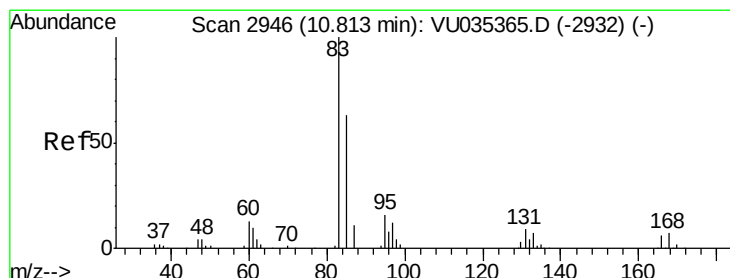
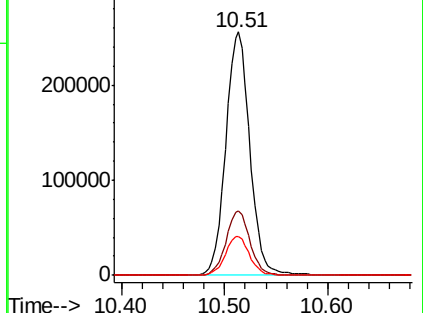
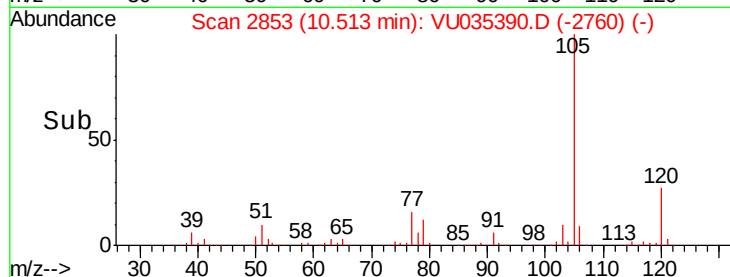
77 16.3 12.6 19.0



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: 5.580 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

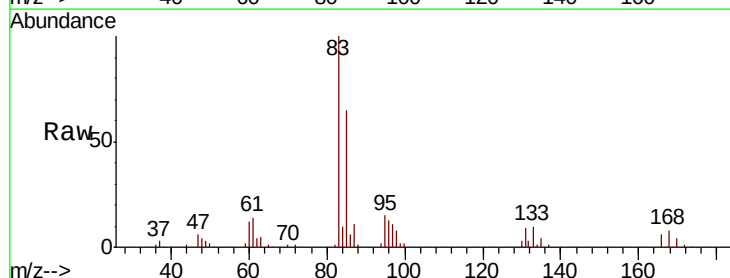
Tgt Ion: 83 Resp: 93943

Ion Ratio Lower Upper

83 100

85 64.7 46.8 86.8

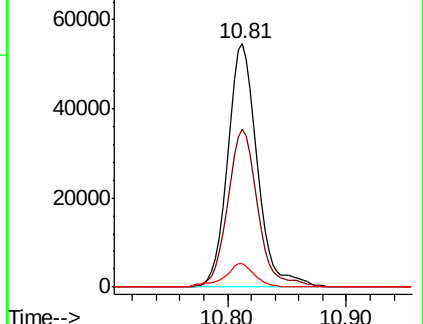
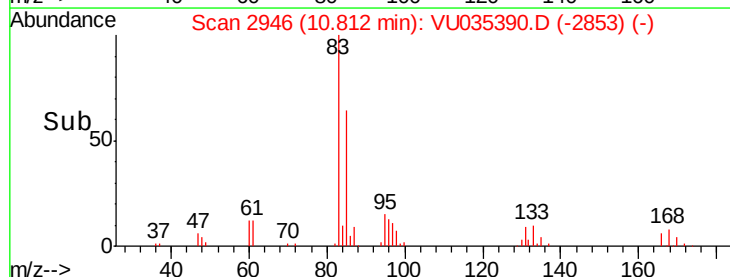
131 9.4 7.5 11.3

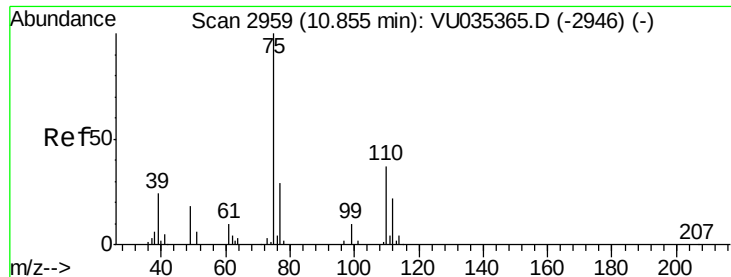


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.463 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

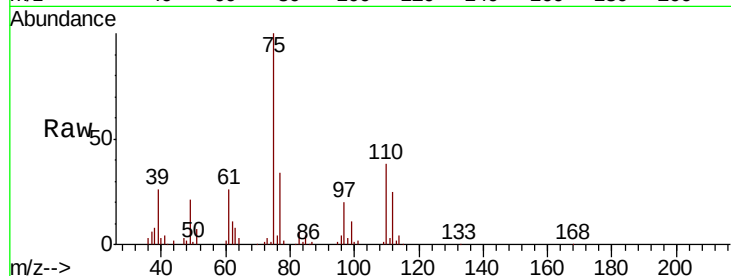
ClientSampled :

Tot Ion: 75 Resp: 67069

Ion Ratio Lower Upper

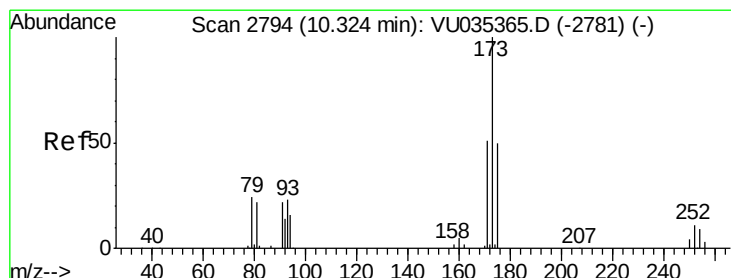
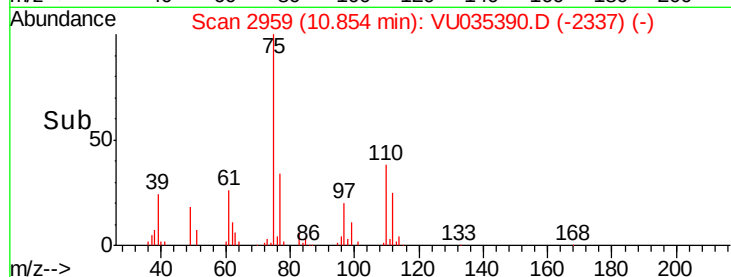
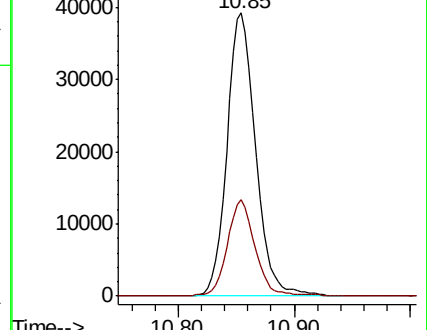
75 100

77 33.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035365.D (-2946) (-)

Ion 77.00 (76.70 to 77.70): VU035365.D (-2946) (-)



#61

Bromoform

Concen: 4.940 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

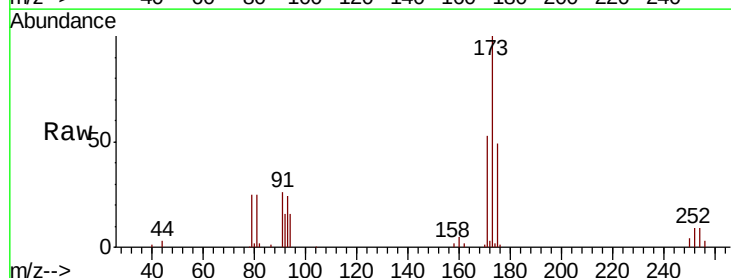
Tgt Ion: 173 Resp: 49781

Ion Ratio Lower Upper

173 100

175 48.1 38.8 58.2

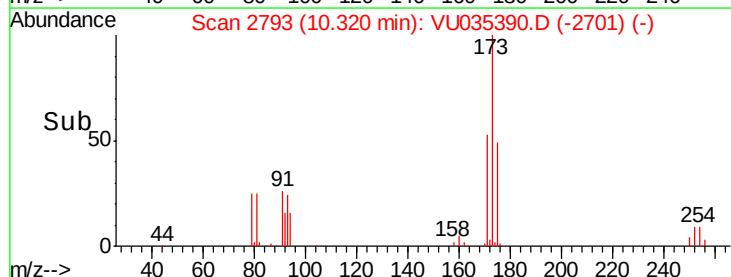
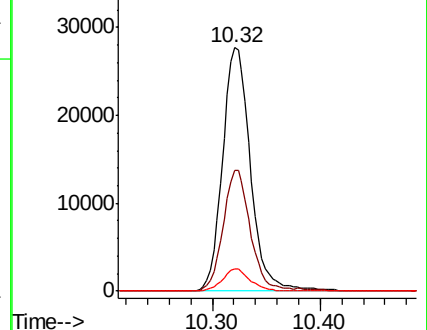
254 8.9 7.5 11.3

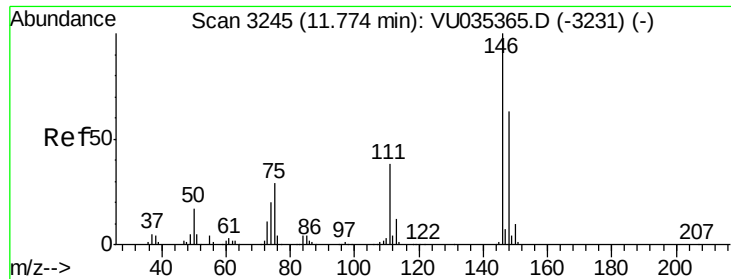


Abundance Ion 172.90 (172.60 to 173.60): VU035365.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU035365.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU035365.D (-2781) (-)





#62

1,3-Dichlorobenzene

Concen: 5.149 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035390.D

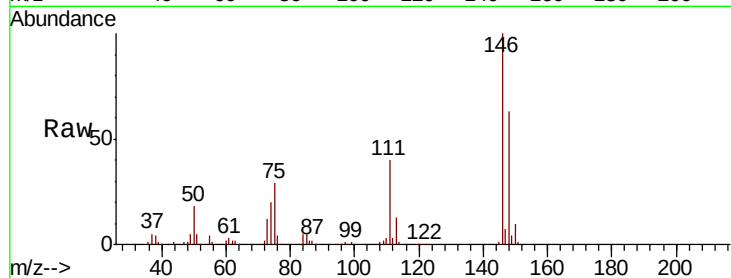
Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:146	Resp:	191171
Ion	Ratio	Lower Upper
146	100	
111	40.4	27.8 51.6
148	63.4	45.6 84.8

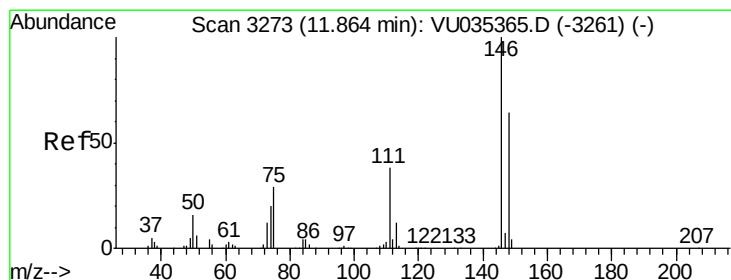
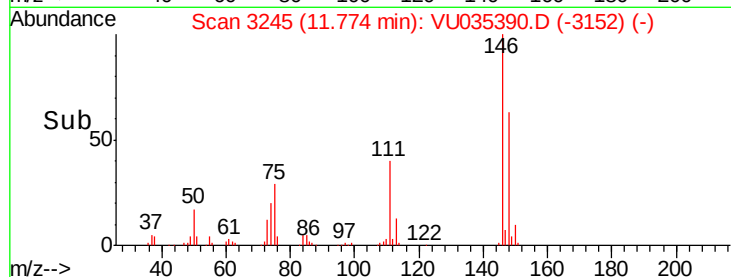
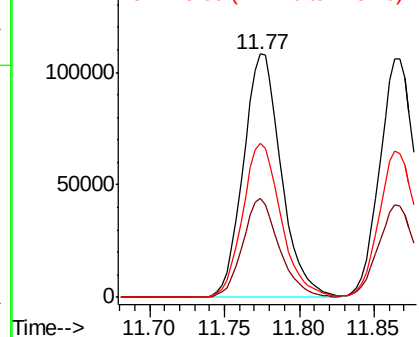


Abundance

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: 5.099 ug/L

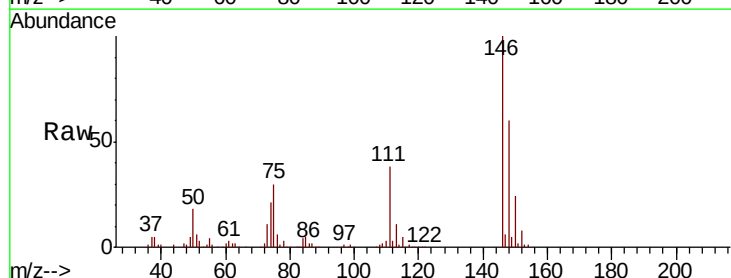
RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Tgt Ion:146	Resp:	186132
Ion	Ratio	Lower Upper
146	100	
111	38.1	26.4 49.0
148	60.3	44.7 83.1

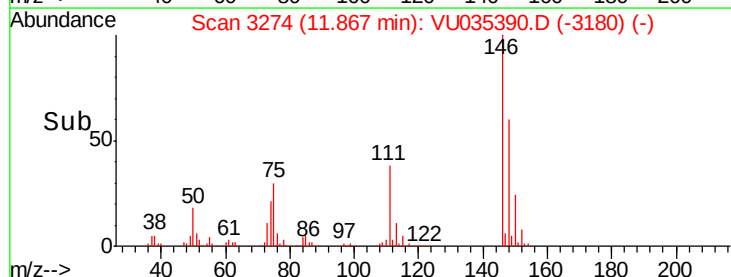
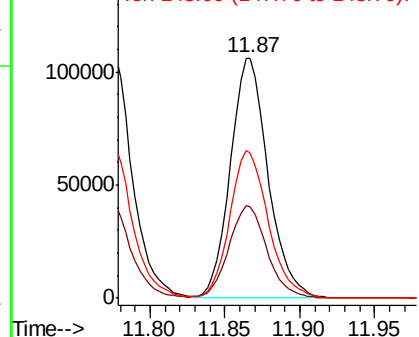


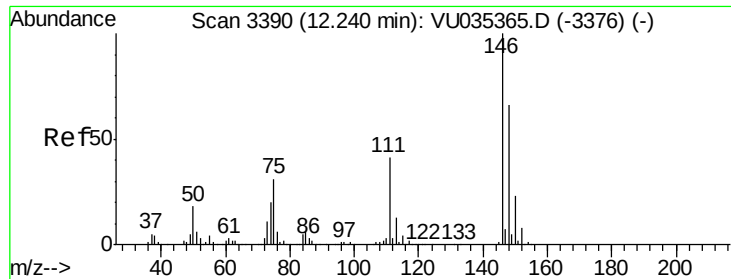
Abundance

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: 5.169 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

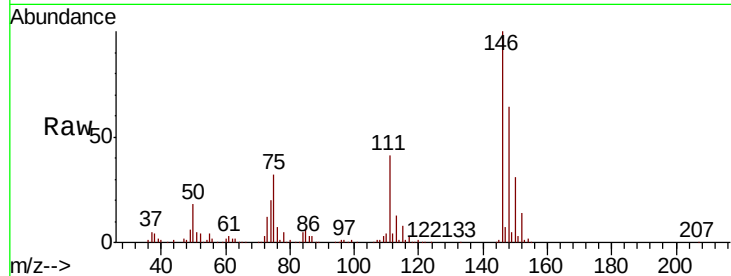
Tot Ion:146 Resp: 180277

Ion Ratio Lower Upper

146 100

111 40.7 33.0 49.6

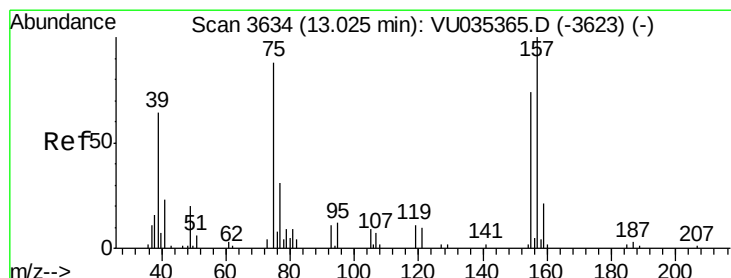
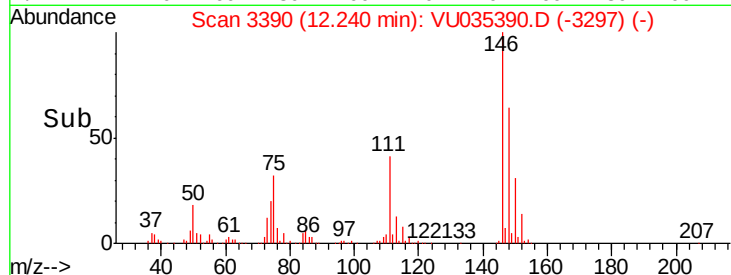
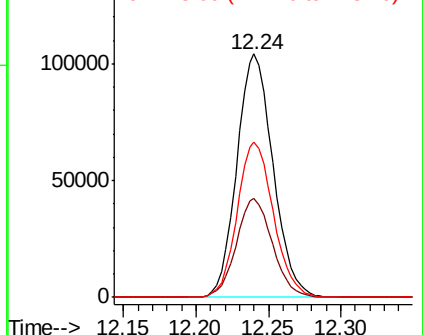
148 63.9 51.0 76.4



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: 4.676 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

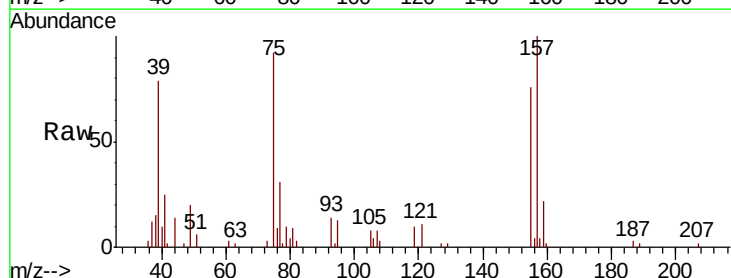
Tgt Ion: 75 Resp: 11520

Ion Ratio Lower Upper

75 100

155 82.2 70.0 105.0

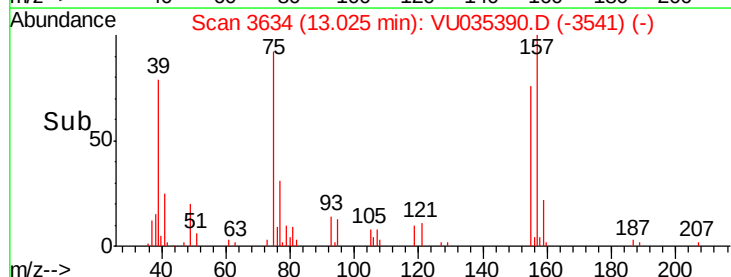
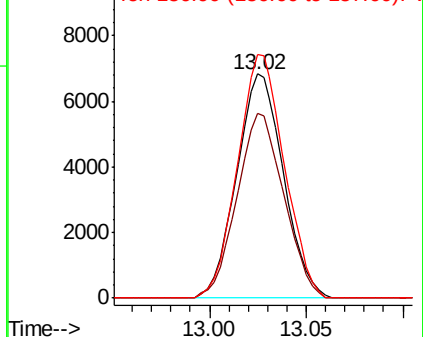
157 108.6 94.7 142.1

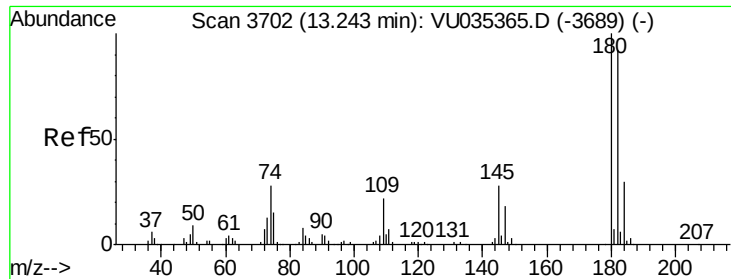


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

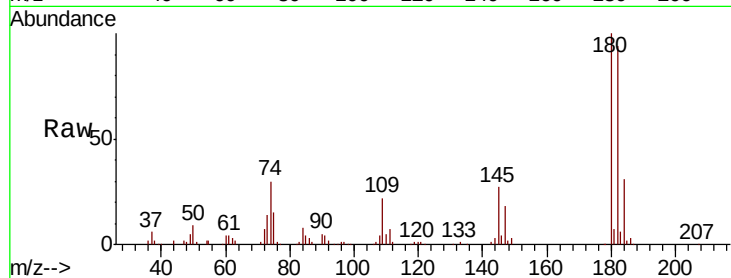




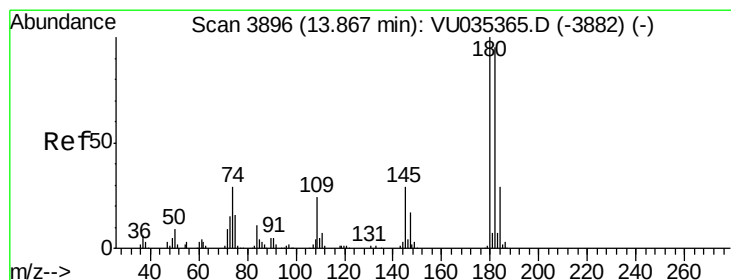
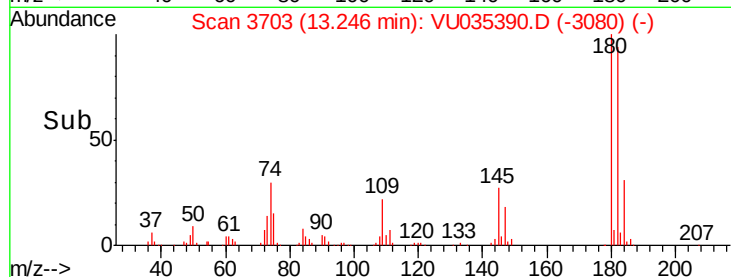
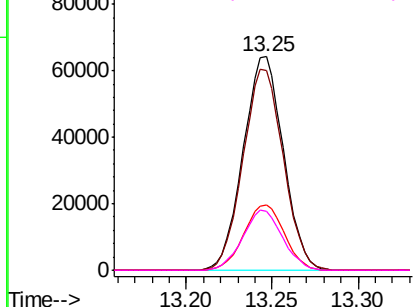
#67
 1,3,5-Trichlorobenzene
 Concen: 4.512 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	103813
Ion	Ratio	Lower Upper
180	100	
182	94.5	77.4 116.2
184	30.8	23.9 35.9
145	27.9	22.4 33.6

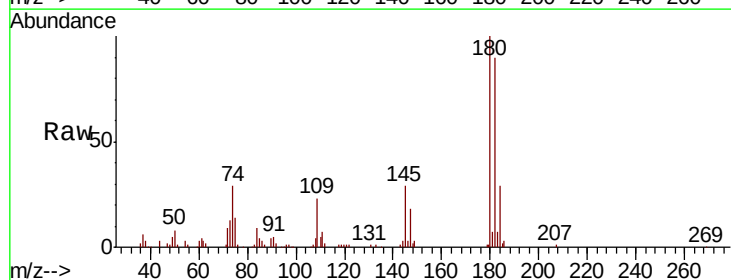


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

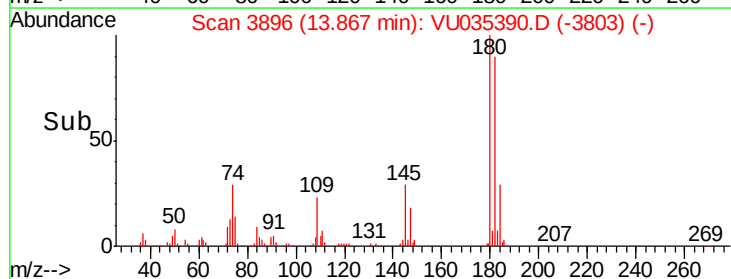
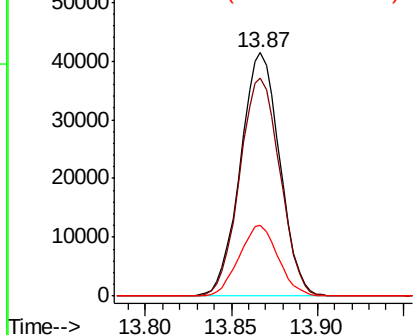


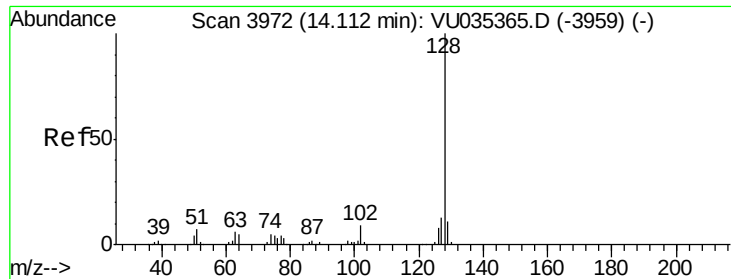
#68
 1,2,4-trichlorobenzene
 Concen: 4.288 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035390.D
 Acq: 23 Oct 2019 02:15

Tgt Ion:180	Resp:	65677
Ion	Ratio	Lower Upper
180	100	
182	91.8	75.9 113.9
145	28.7	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: 3.930 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

Instrument :

MSVOA_U

ClientSampleId :

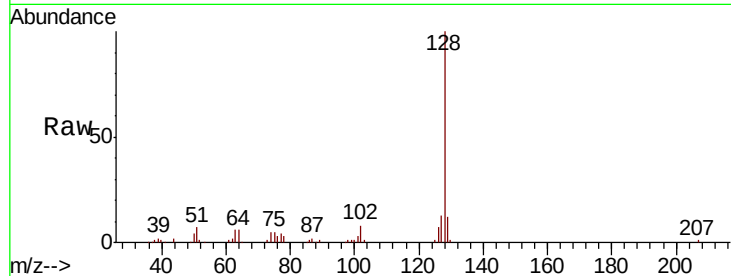
Tot Ion:128 Resp: 82624

Ion Ratio Lower Upper

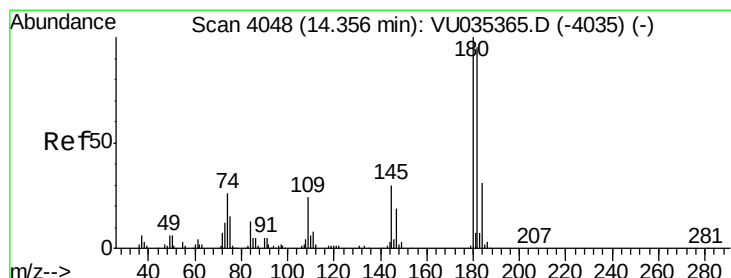
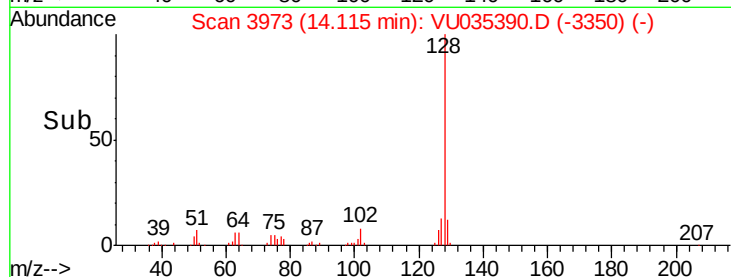
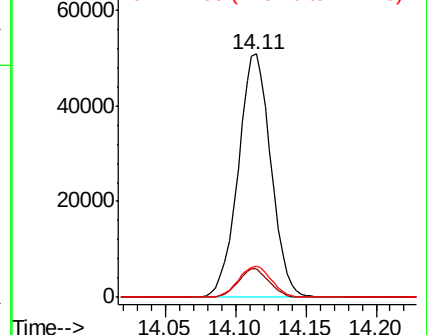
128 100

129 11.1 8.6 13.0

127 12.8 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: 4.669 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035390.D

Acq: 23 Oct 2019 02:15

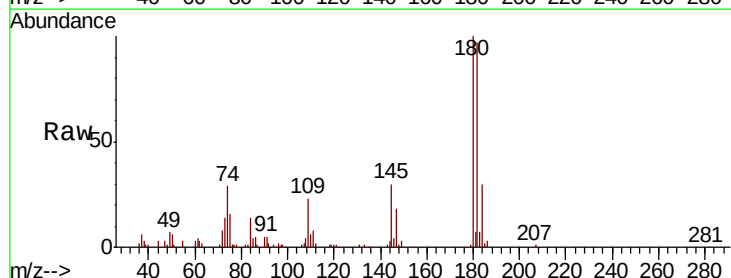
Tgt Ion:180 Resp: 66872

Ion Ratio Lower Upper

180 100

182 93.8 76.0 114.0

145 30.2 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

