

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035297.D
 Acq On : 19 Oct 2019 04:31
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 06:17:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 06:13:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	302066	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	296552	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	143417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	75629	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.93	69	75025	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.60	63	151936	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.20%
20) 2-Butanone-d5	4.71	46	280798	53.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.10%
24) Chloroform-d	5.11	84	164588	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.75	65	88873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.77	84	298685	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
36) 1,2-Dichloropropane-d6	6.74	67	100609	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.93	98	268900	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.22	79	41414	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
46) 2-Hexanone-d5	8.68	63	222902	48.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.74%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	96860	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	112552	4.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	125461	4.880	ug/L 100
3) Chloromethane	1.54	50	125813	4.934	ug/L 100
5) Vinyl chloride	1.62	62	132604	5.063	ug/L 99
6) Bromomethane	1.88	94	70520	4.560	ug/L 99
8) Chloroethane	1.95	64	82358	4.877	ug/L 100
9) Trichlorofluoromethane	2.16	101	173380	4.958	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	95910	4.761	ug/L 96
12) 1,1-Dichloroethene	2.61	96	93533	4.820	ug/L 89
13) Acetone	2.68	43	184504	50.113	ug/L 98
14) Carbon disulfide	2.82	76	289861	4.724	ug/L 100
15) Methyl Acetate	3.01	43	41807	4.557	ug/L 99
16) Methylene chloride	3.08	84	108062	4.629	ug/L 98
17) Methyl tert-butyl Ether	3.43	73	248191	4.752	ug/L 100
18) trans-1,2-Dichloroethene	3.39	96	100732	4.810	ug/L 93
19) 1,1-Dichloroethane	3.92	63	193468	5.108	ug/L 97
21) 2-Butanone	4.79	43	284920	47.479	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	114163	4.932	ug/L 97

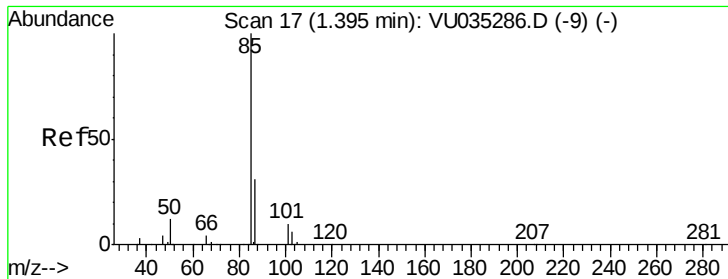
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
 Data File : VU035297.D
 Acq On : 19 Oct 2019 04:31
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 06:13:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	49838	5.002	ug/L	98
25) Chloroform	5.14	83	204487	4.921	ug/L	99
27) 1,2-Dichloroethane	5.84	62	128272	5.033	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	166163	4.783	ug/L	99
30) Cyclohexane	5.43	56	167249	4.496	ug/L	99
31) Carbon tetrachloride	5.57	117	146231	4.675	ug/L	99
33) Benzene	5.82	78	427969	4.905	ug/L	100
34) Trichloroethene	6.58	95	111071	4.735	ug/L	96
35) Methylcyclohexane	6.80	83	171350	4.371	ug/L	100
37) 1,2-Dichloropropane	6.83	63	111074	5.015	ug/L	100
38) Bromodichloromethane	7.15	83	142146	4.763	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	162103	4.372	ug/L	99
40) 4-Methyl-2-pentanone	7.85	43	700930	46.875	ug/L	99
42) Toluene	8.01	91	462859	4.805	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	131275	4.333	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	81129	4.933	ug/L	99
47) Tetrachloroethene	8.58	164	88427	4.525	ug/L	99
48) 2-Hexanone	8.74	43	507600	48.404	ug/L	98
49) Dibromochloromethane	8.84	129	97635	4.683	ug/L	99
50) 1,2-Dibromoethane	8.96	107	79782	4.853	ug/L	100
51) Chlorobenzene	9.48	112	301649	4.851	ug/L	99
52) Ethylbenzene	9.60	91	511873	4.673	ug/L	100
53) m,p-Xylene	9.72	106	185747	4.491	ug/L	99
54) o-Xylene	10.13	106	189114	4.685	ug/L	96
55) Styrene	10.14	104	311641	4.742	ug/L	99
56) Isopropylbenzene	10.51	105	500525	4.610	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	106010	5.009	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	76110	4.932	ug/L	99
61) Bromoform	10.32	173	57716	4.345	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	227755	4.654	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	222945	4.633	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	215621	4.690	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	13641	4.200	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	140766	4.642	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	87914	4.354	ug/L	99
69) Naphthalene	14.11	128	110001	3.969	ug/L	98
70) 1,2,3-Trichlorobenzene	14.36	180	86375	4.575	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.880 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

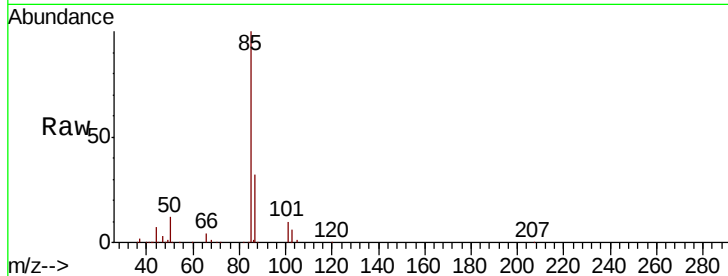
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 85 Resp: 125461

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035286.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035286.D (-9) (-)

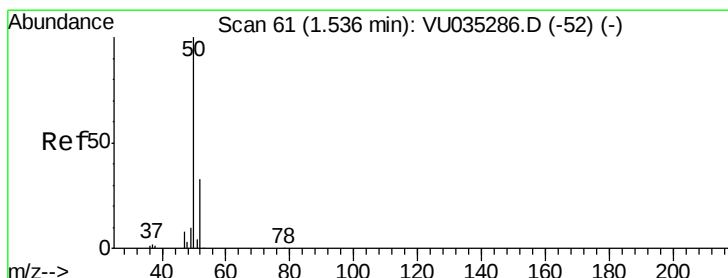
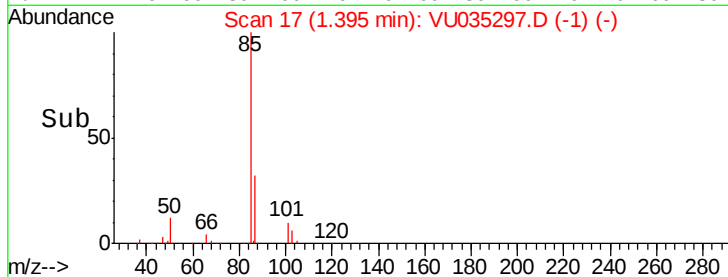
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.934 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035297.D

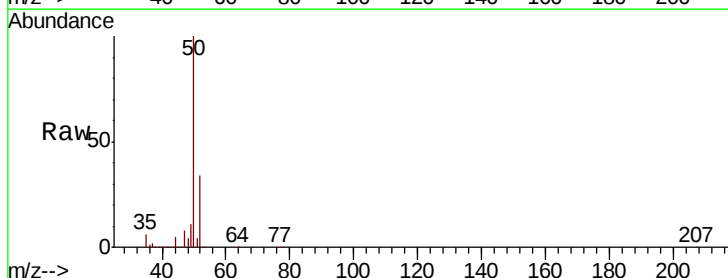
Acq: 19 Oct 2019 04:31

Tgt Ion: 50 Resp: 125813

Ion Ratio Lower Upper

50 100

52 33.8 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035286.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035286.D (-52) (-)

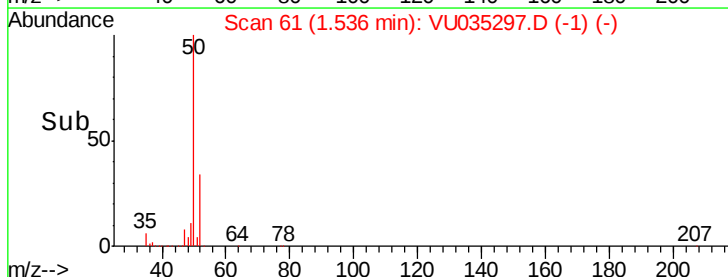
1.54

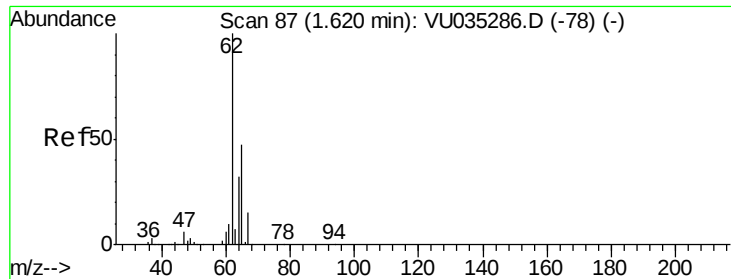
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 5.063 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

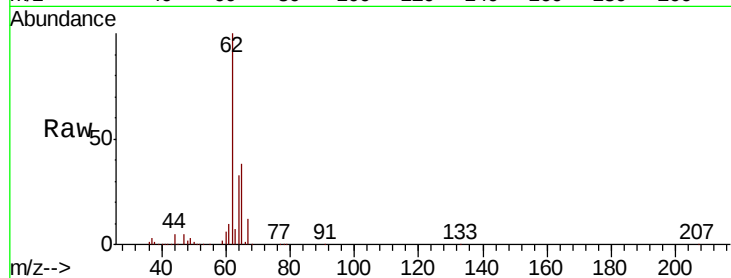
ClientSampleId :

Tot Ion: 62 Resp: 132604

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035286.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU035286.D (-78) (-)

1.62

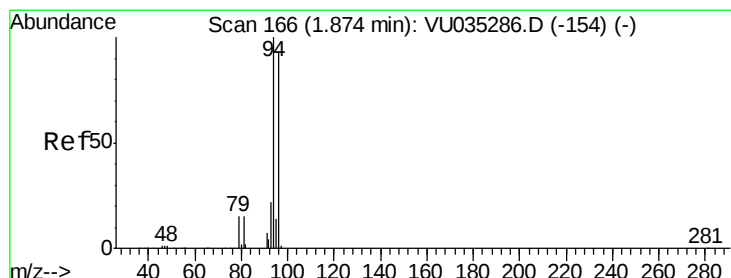
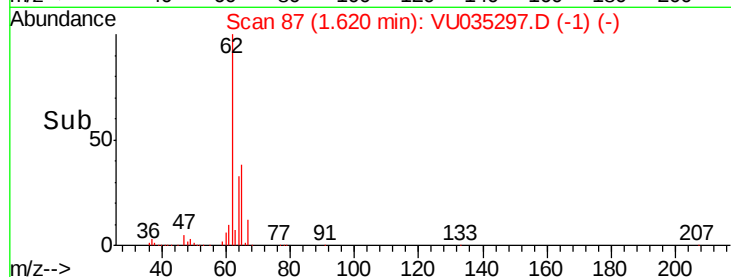
100000

50000

0

Time-->

1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.560 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035297.D

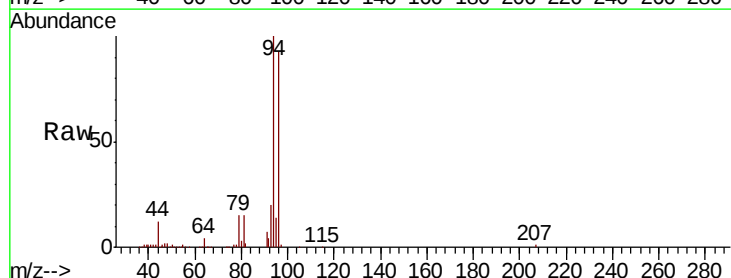
Acq: 19 Oct 2019 04:31

Tgt Ion: 94 Resp: 70520

Ion Ratio Lower Upper

94 100

96 92.9 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035286.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU035286.D (-154) (-)

1.88

60000

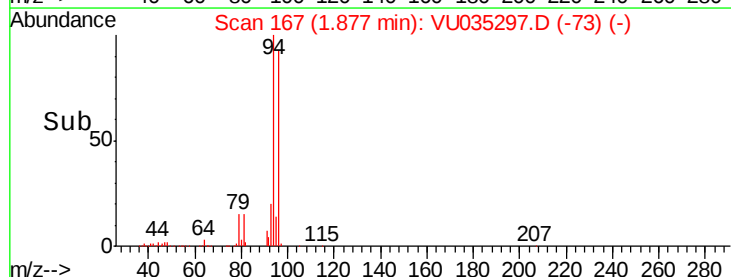
40000

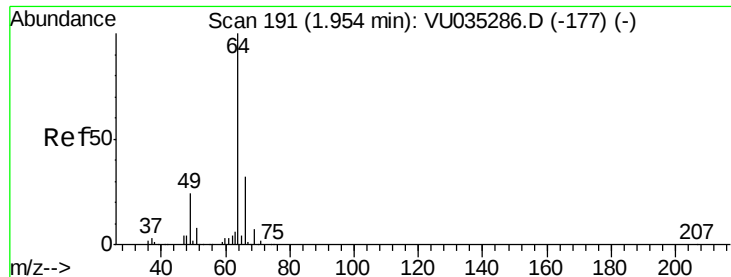
20000

0

Time-->

1.80 1.85 1.90 1.95

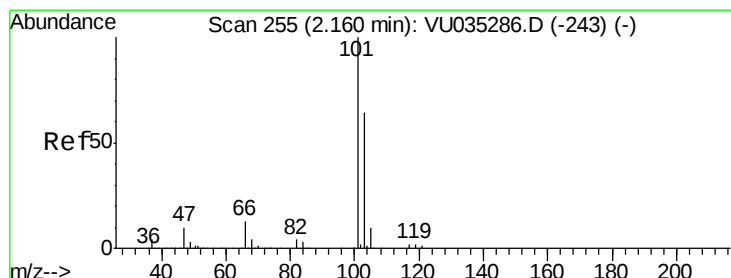
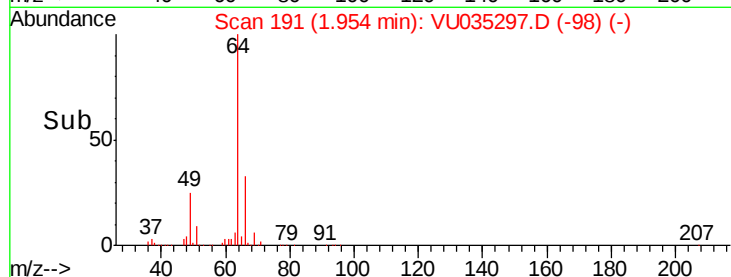
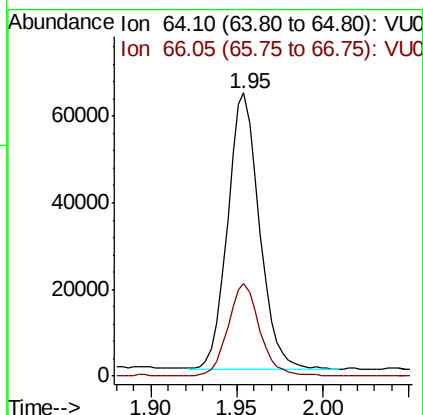
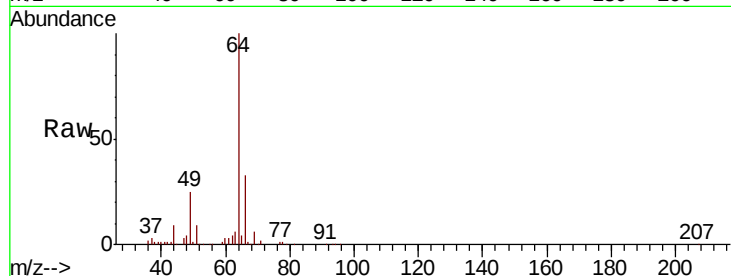




#8
Chloroethane
Concen: 4.877 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

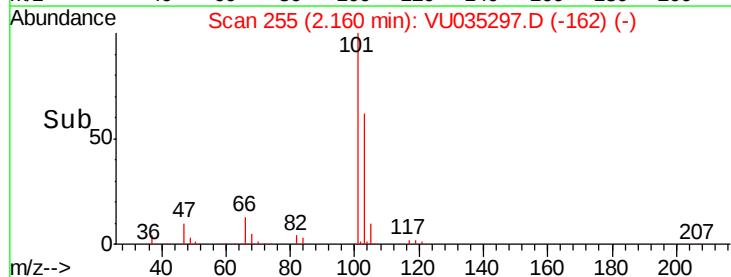
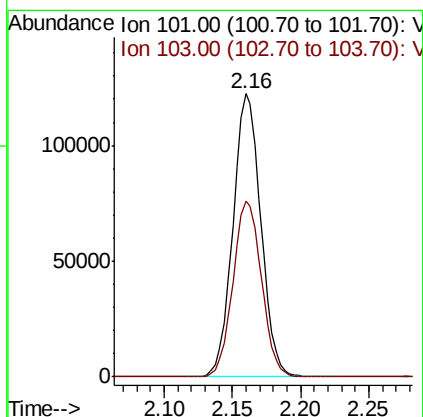
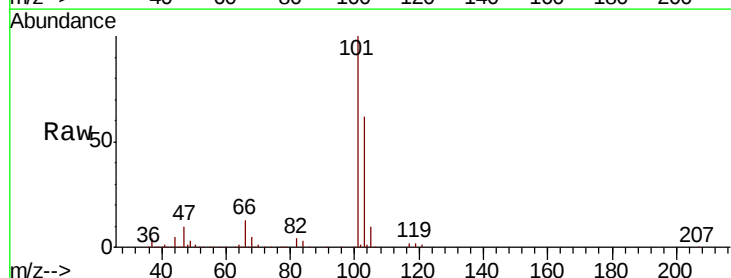
Instrument :
MSVOA_U
ClientSampleId :

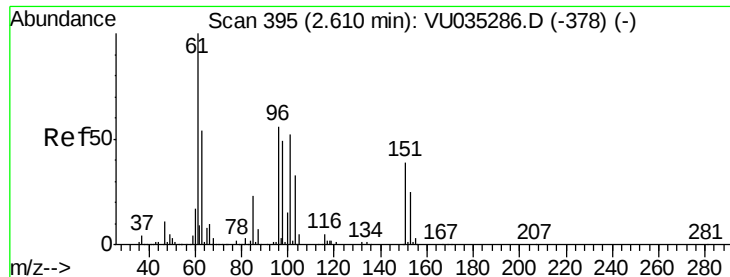
Tot Ion: 64 Resp: 82358
Ion Ratio Lower Upper
64 100
66 32.6 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.958 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Tgt Ion:101 Resp: 173380
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9





#10

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

Concen: 4.761 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

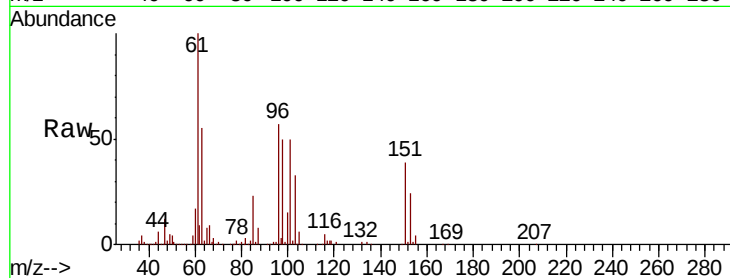
Tot Ion:101 Resp: 95910

Ion Ratio Lower Upper

101 100

85 45.4 33.9 50.9

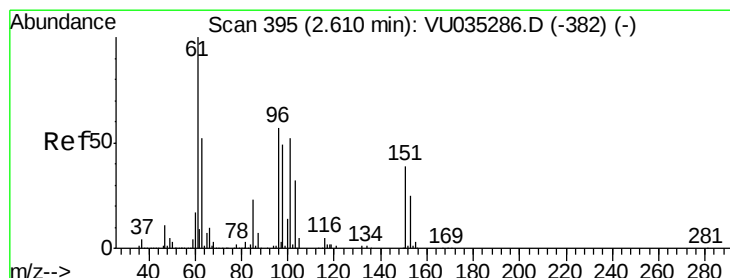
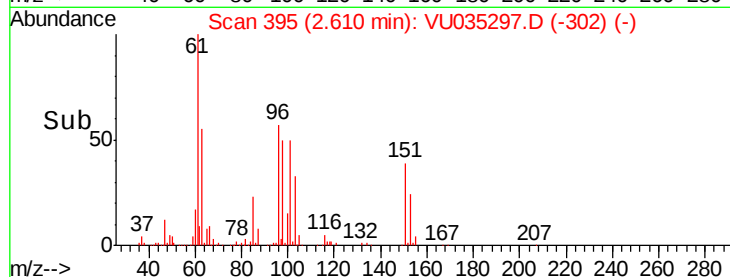
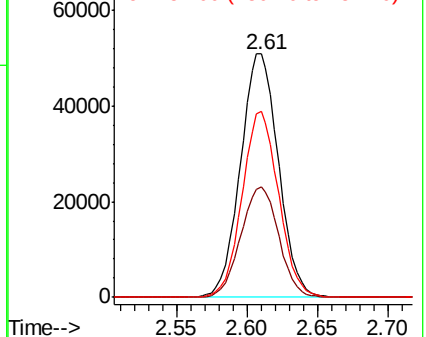
151 73.5 61.0 91.4



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: 4.820 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

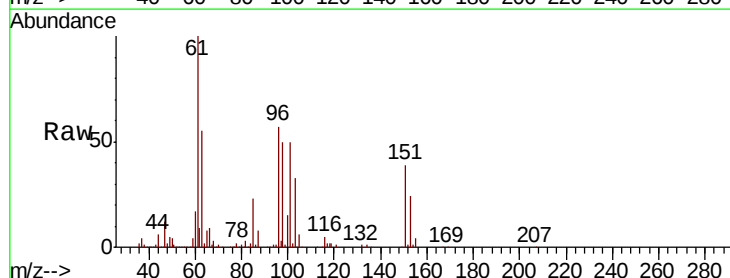
Tgt Ion: 96 Resp: 93533

Ion Ratio Lower Upper

96 100

61 175.7 120.6 224.0

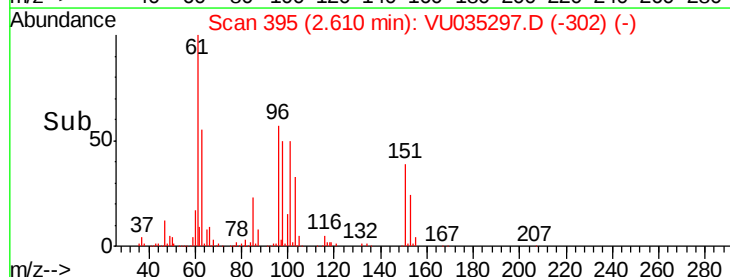
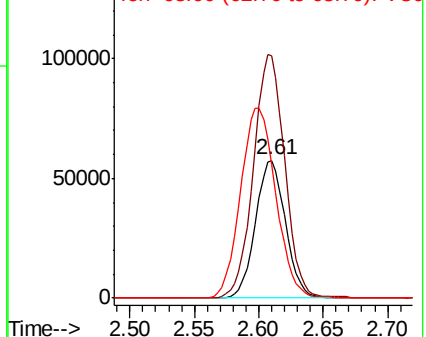
63 96.9 86.8 161.2

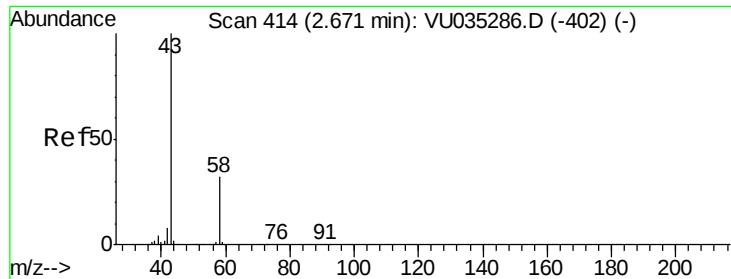


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.113 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

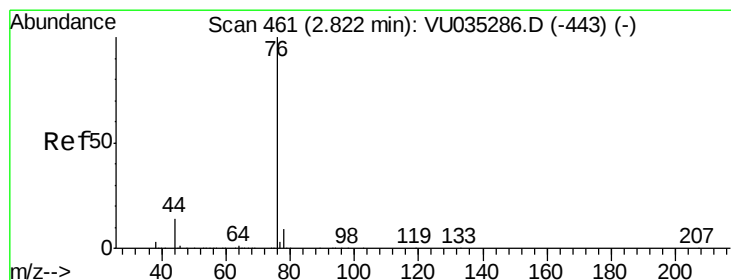
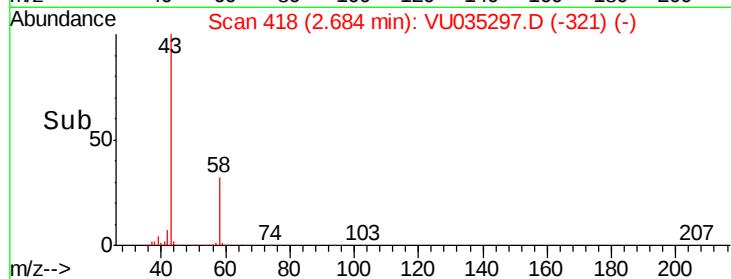
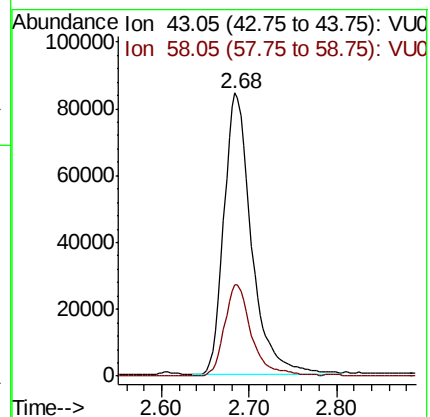
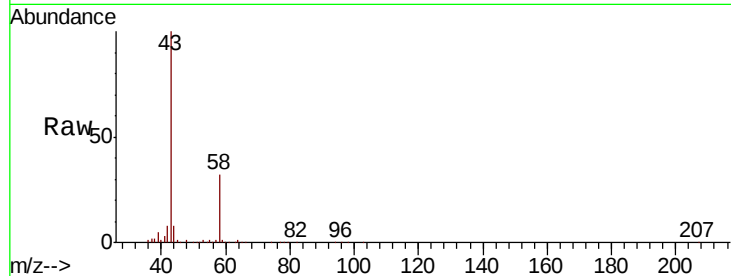
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 184504

Ion Ratio Lower Upper

43 100

58 32.1 0.0 61.8



#14

Carbon disulfide

Concen: 4.724 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035297.D

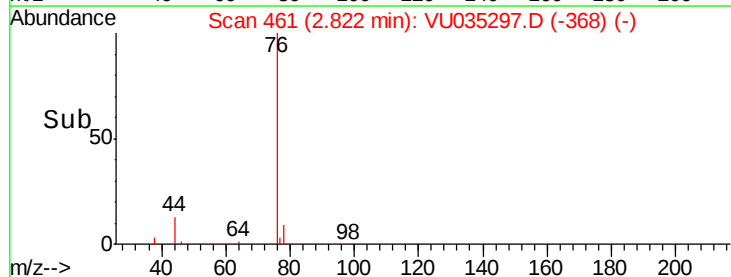
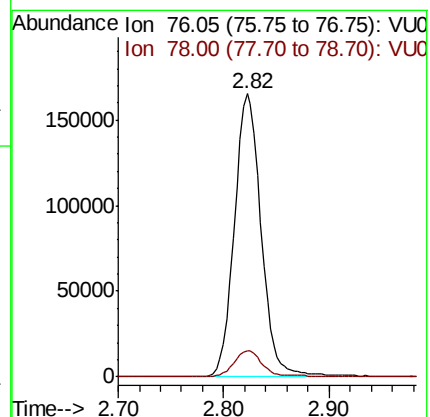
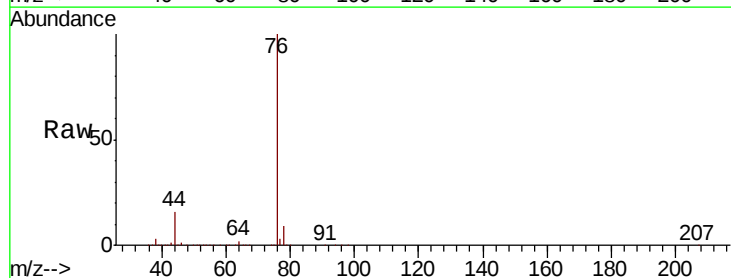
Acq: 19 Oct 2019 04:31

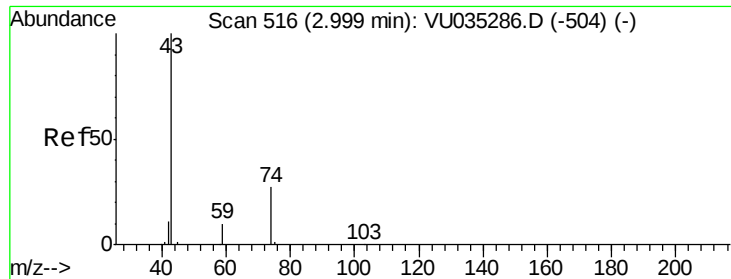
Tgt Ion: 76 Resp: 289861

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

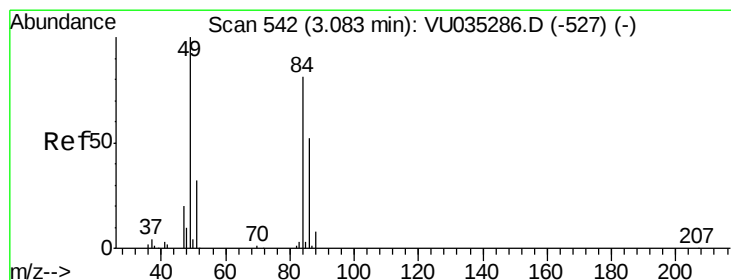
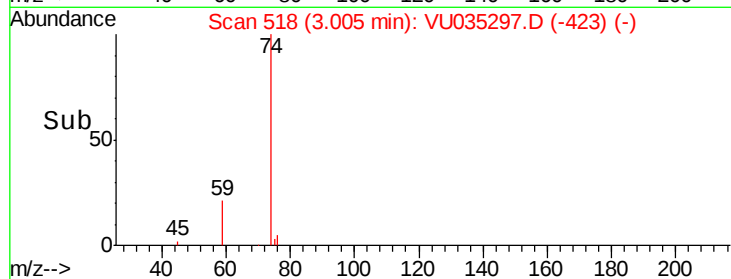
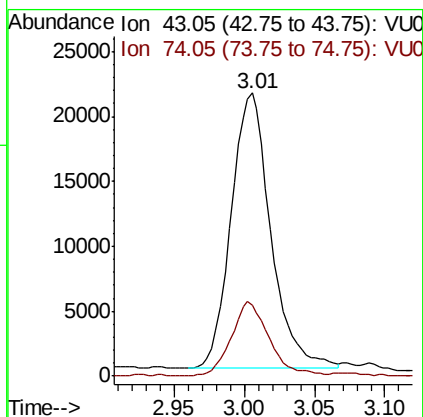
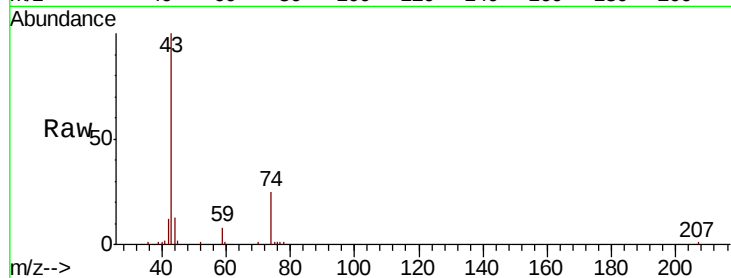




#15
Methyl Acetate
Concen: 4.557 ug/L
RT: 3.01 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

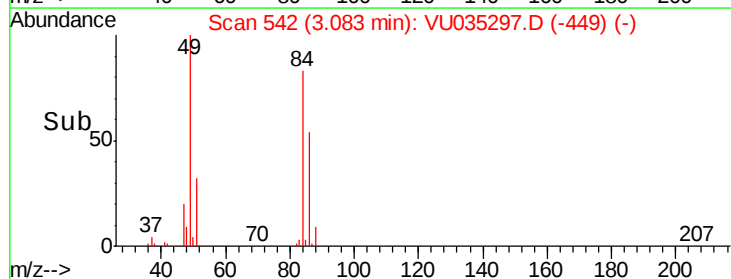
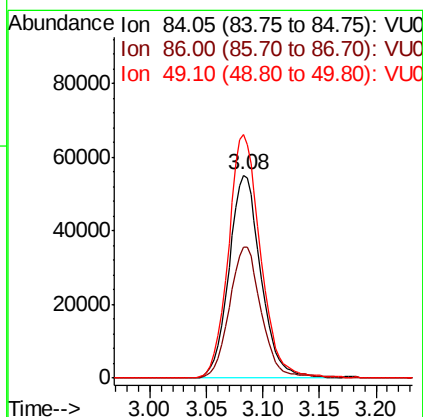
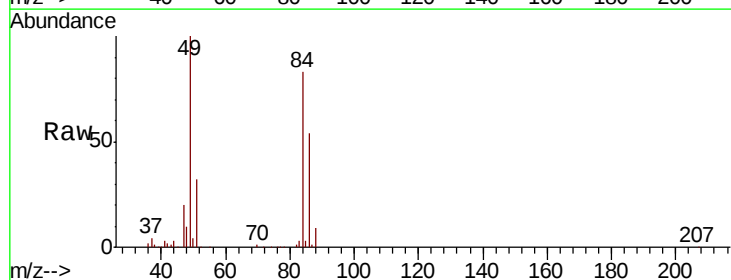
Instrument :
MSVOA_U
ClientSampleId :

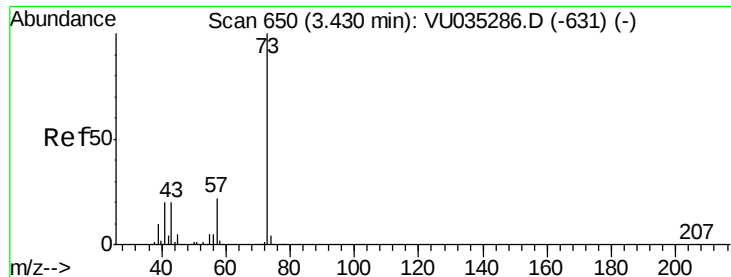
Tot Ion: 43 Resp: 41807
Ion Ratio Lower Upper
43 100
74 25.9 20.3 30.5



#16
Methylene chloride
Concen: 4.629 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Tgt Ion: 84 Resp: 108062
Ion Ratio Lower Upper
84 100
86 64.7 45.4 84.2
49 120.1 86.8 161.2



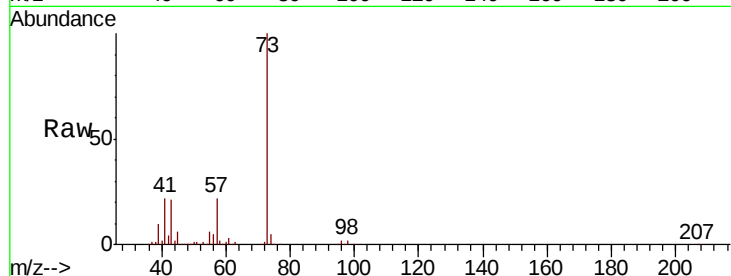


#17

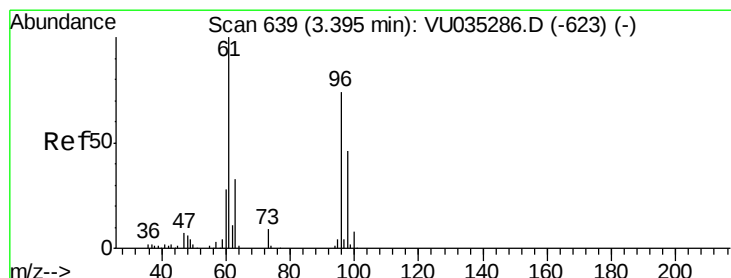
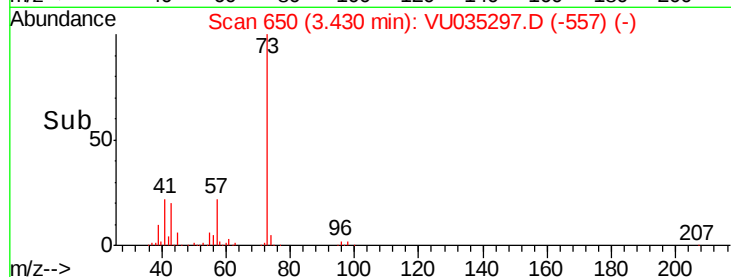
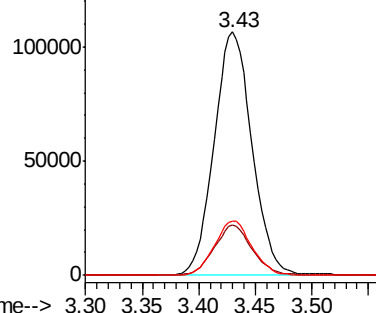
Methvl tert-butvl Ether
 Concen: 4.752 ug/L
 RT: 3.43 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.0	24.0
57	22.1	17.4	26.2



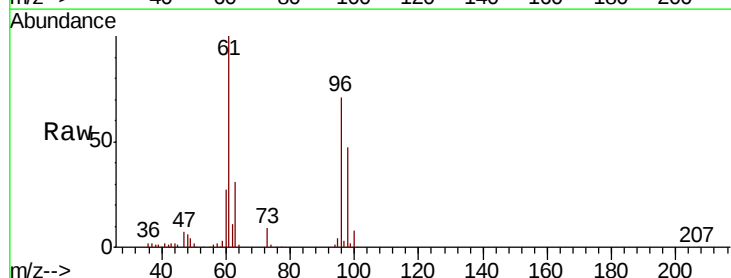
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



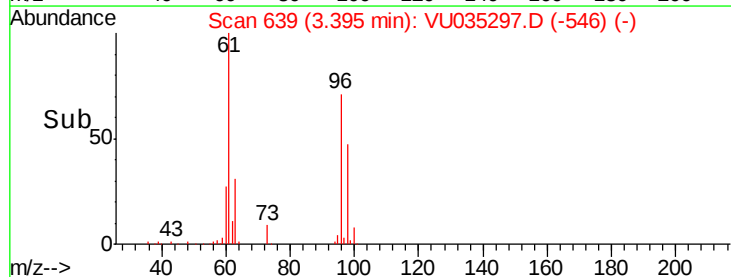
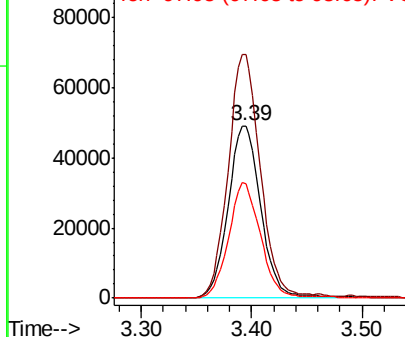
#18

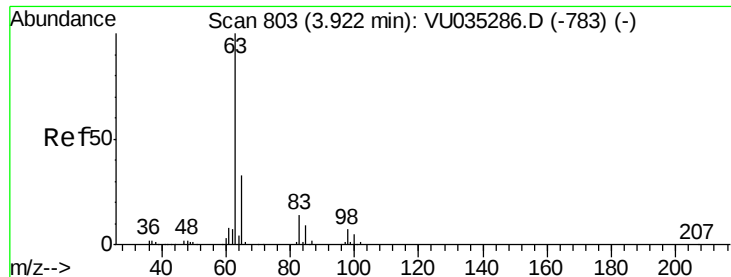
trans-1,2-Dichloroethene
 Concen: 4.810 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.3	93.0	172.6
98	66.4	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: 5.108 ug/L

RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

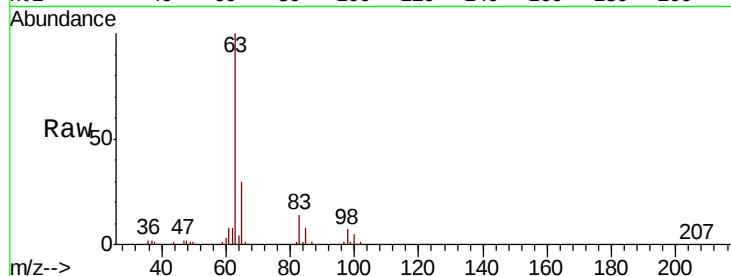
Tot Ion: 63 Resp: 193468

Ion Ratio Lower Upper

63 100

65 30.3 22.4 41.6

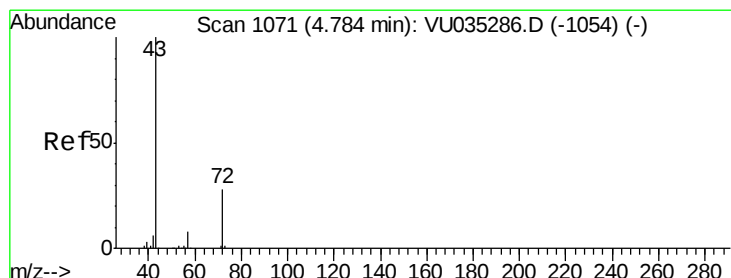
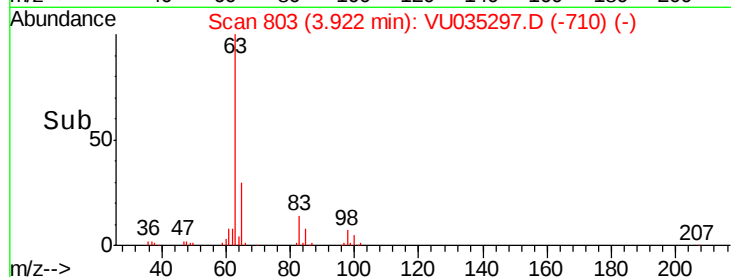
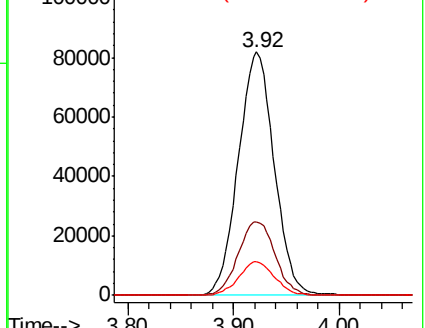
83 13.8 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035286.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035286.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035286.D (-783) (-)



#21

2-Butanone

Concen: 47.479 ug/L

RT: 4.79 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VU035297.D

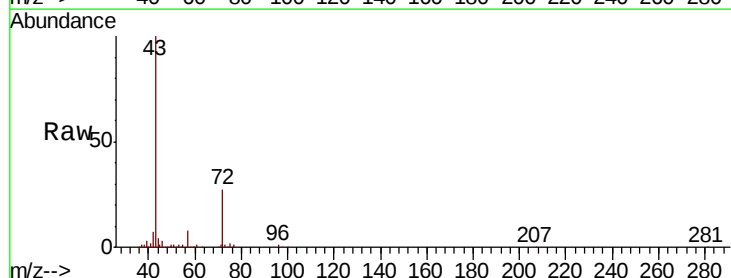
Acq: 19 Oct 2019 04:31

Tgt Ion: 43 Resp: 284920

Ion Ratio Lower Upper

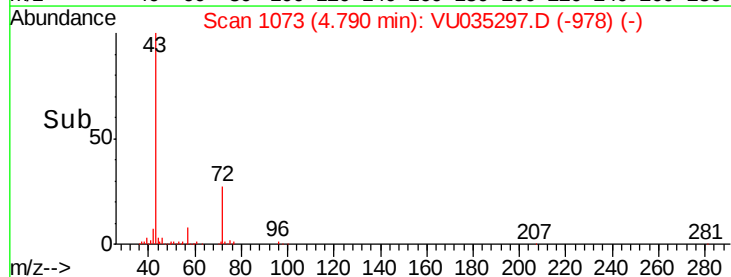
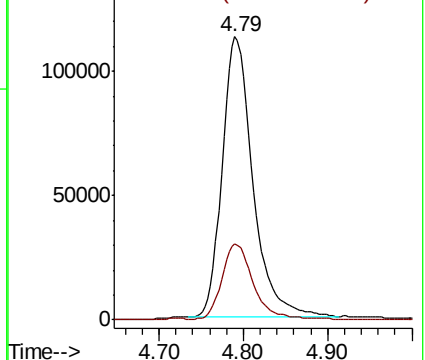
43 100

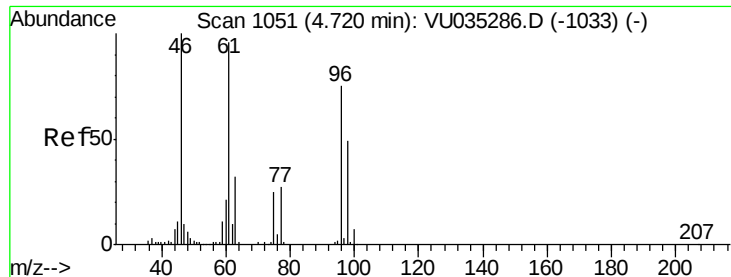
72 28.0 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU035286.D (-1054) (-)

Ion 72.10 (71.80 to 72.80): VU035286.D (-1054) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.932 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :
MSVOA_U
ClientSampleId :

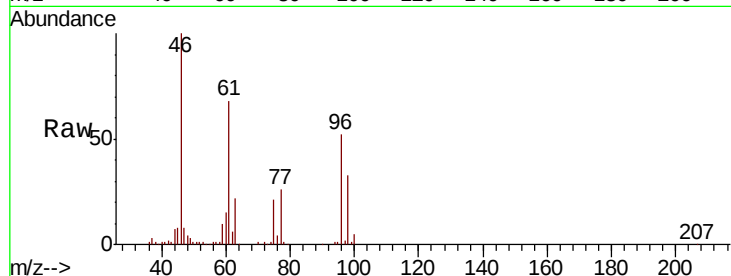
Tot Ion: 96 Resp: 114163

Ion Ratio Lower Upper

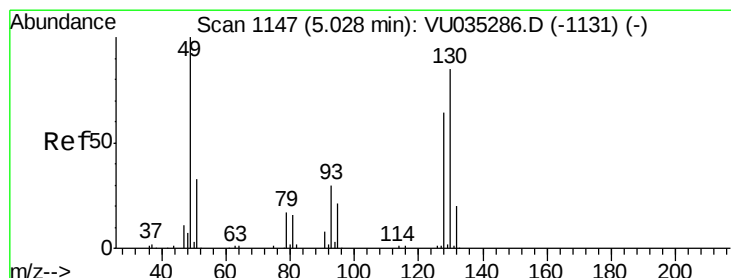
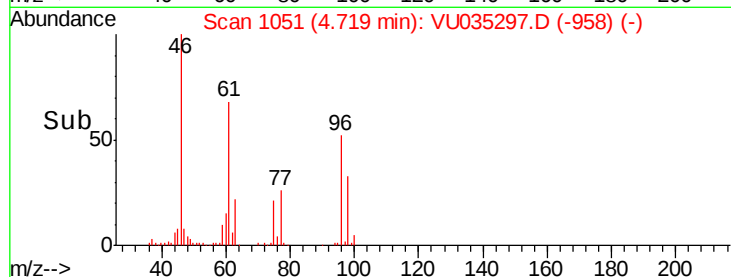
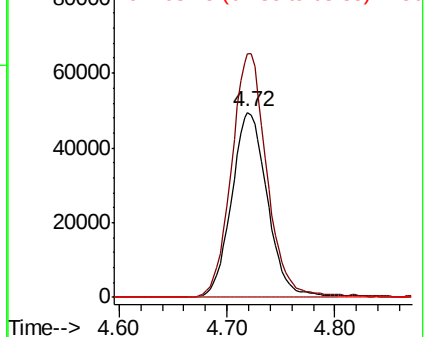
96 100

61 131.5 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: 5.002 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Tgt Ion:128 Resp: 49838

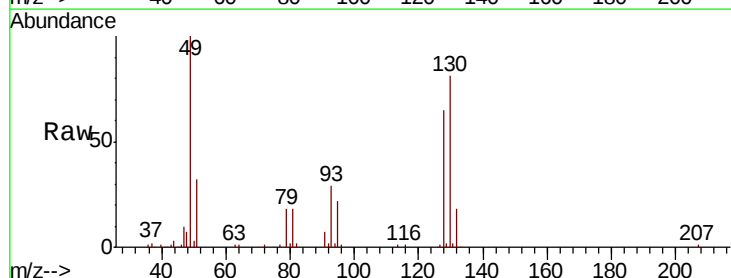
Ion Ratio Lower Upper

128 100

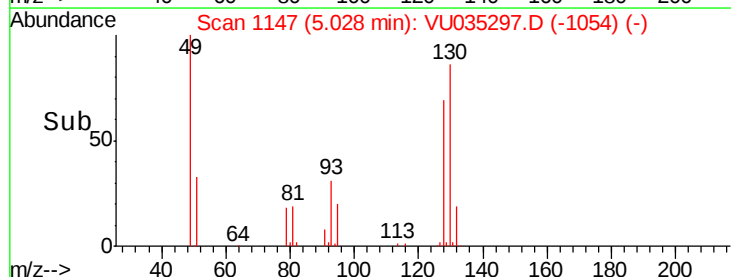
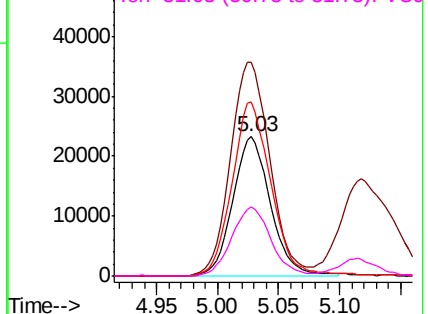
49 153.8 109.3 203.1

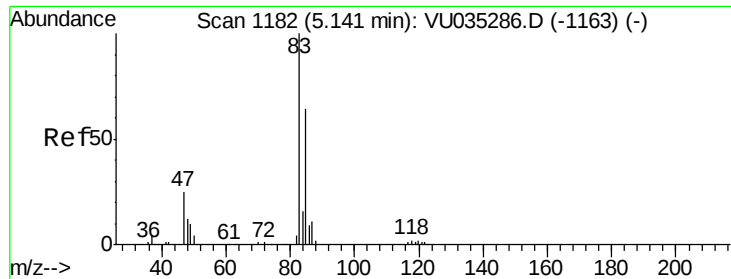
130 125.3 88.7 164.7

51 49.9 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

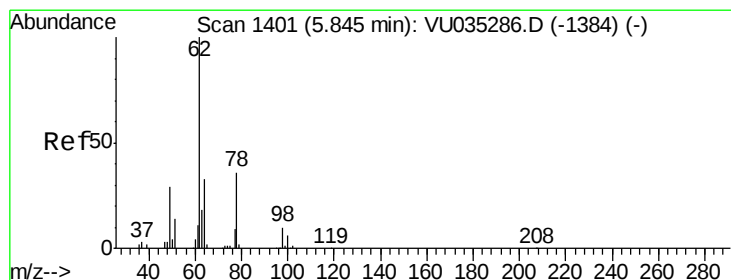
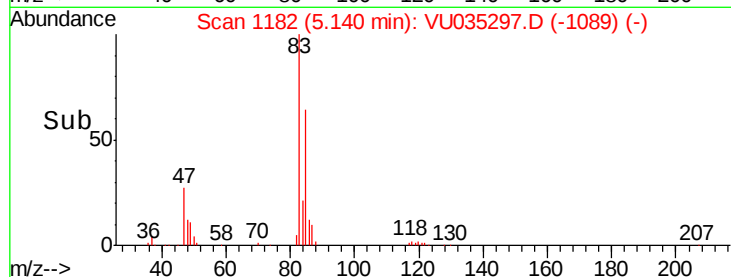
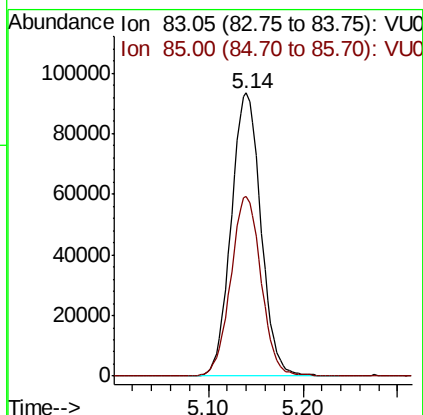
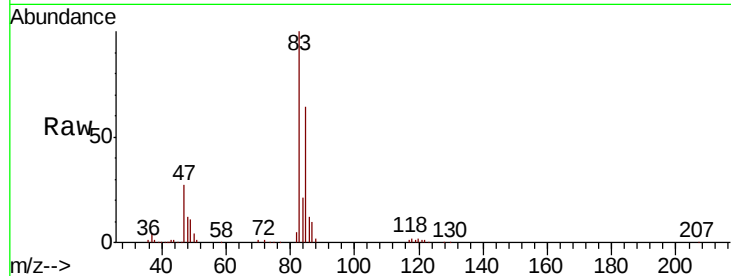




#25
Chloroform
Concen: 4.921 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

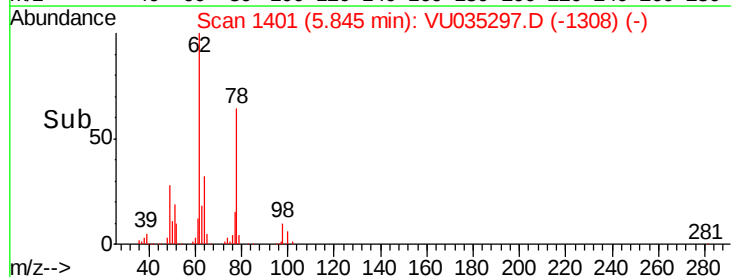
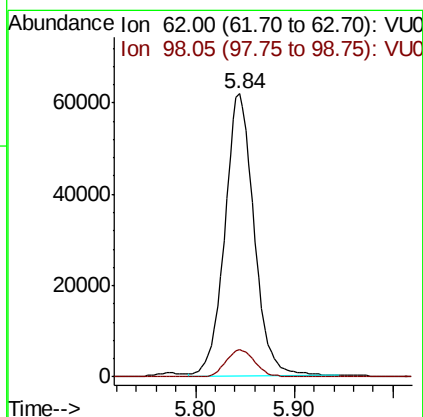
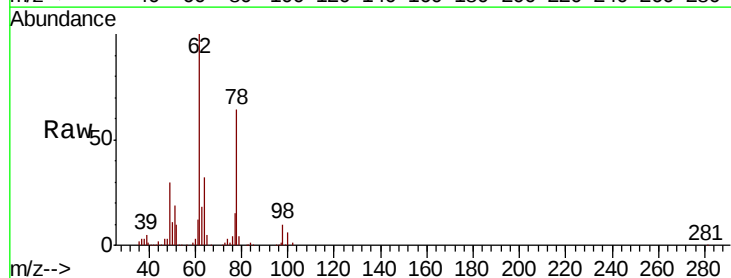
Instrument :
MSVOA_U
ClientSampleId :

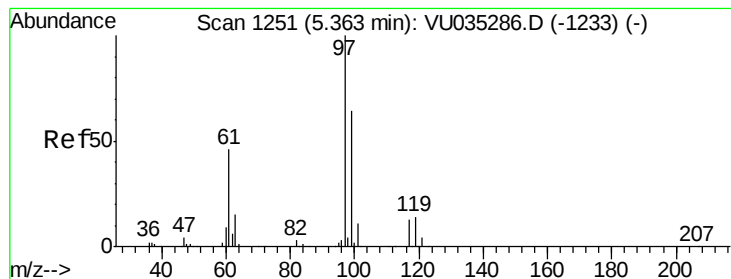
Tot Ion: 83 Resp: 204487
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.033 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Tgt Ion: 62 Resp: 128272
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.783 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

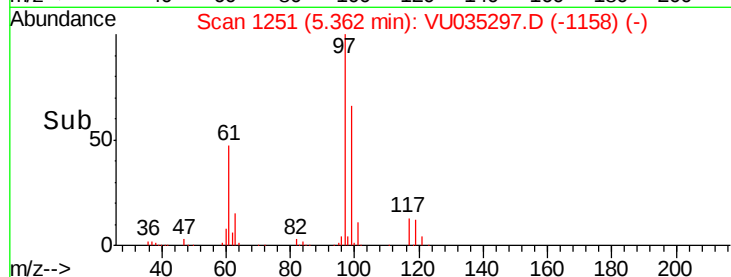
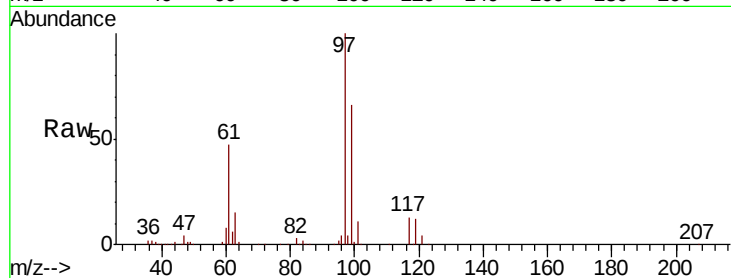
Tot Ion: 97 Resp: 166163

Ion Ratio Lower Upper

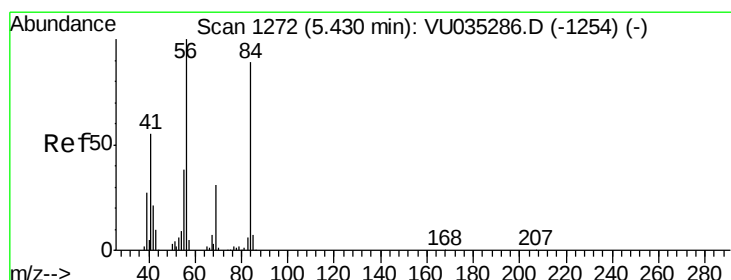
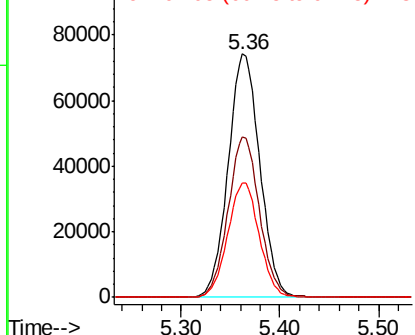
97 100

99 65.4 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: 4.496 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

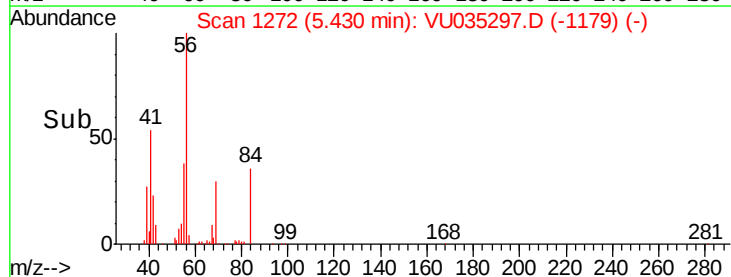
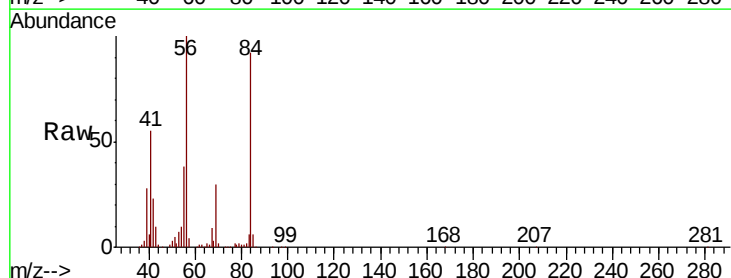
Tgt Ion: 56 Resp: 167249

Ion Ratio Lower Upper

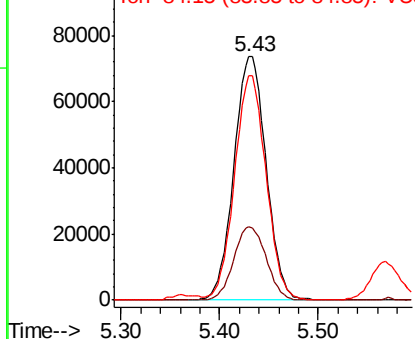
56 100

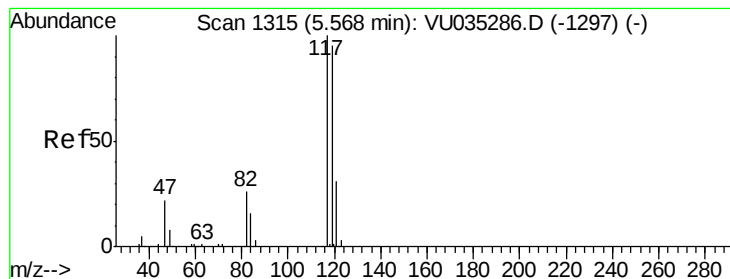
69 30.3 24.6 36.8

84 90.2 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: 4.675 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

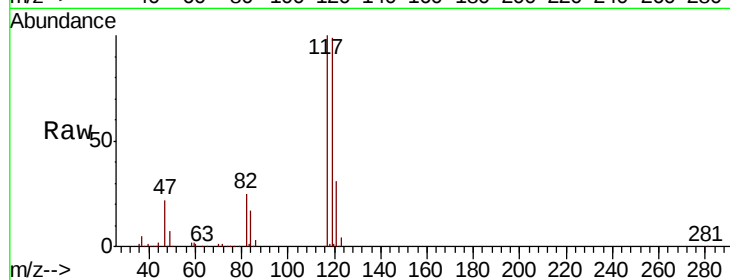
ClientSampleId :

Tot Ion:117 Resp: 146231

Ion Ratio Lower Upper

117 100

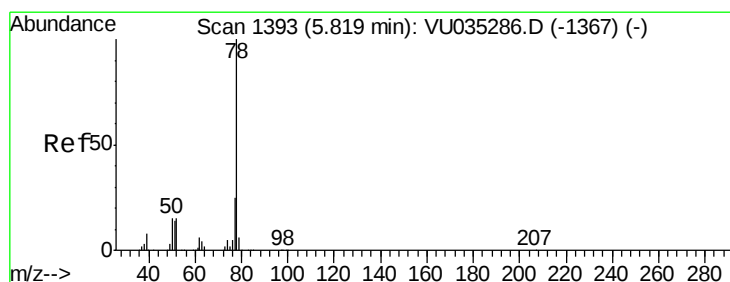
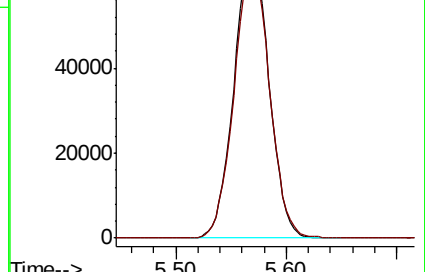
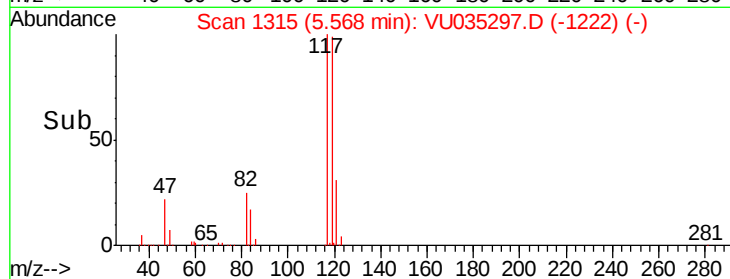
119 97.9 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57



#33

Benzene

Concen: 4.905 ug/L

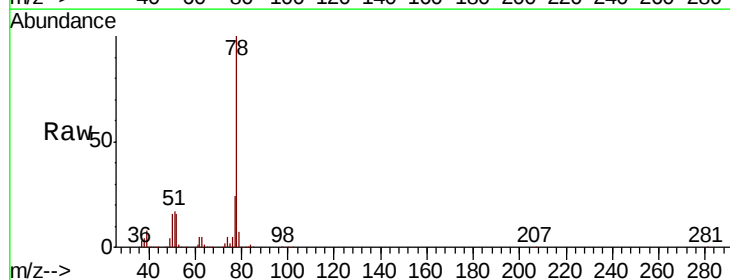
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035297.D

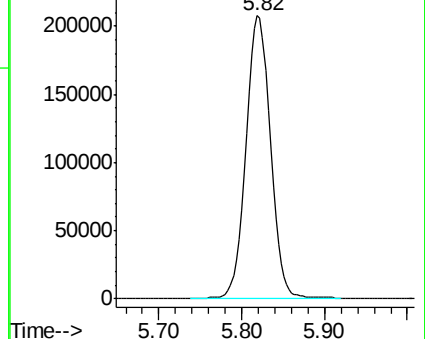
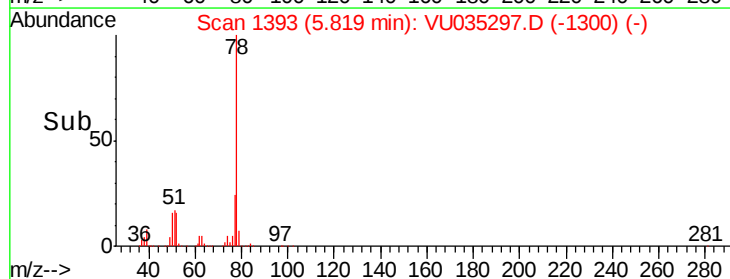
Acq: 19 Oct 2019 04:31

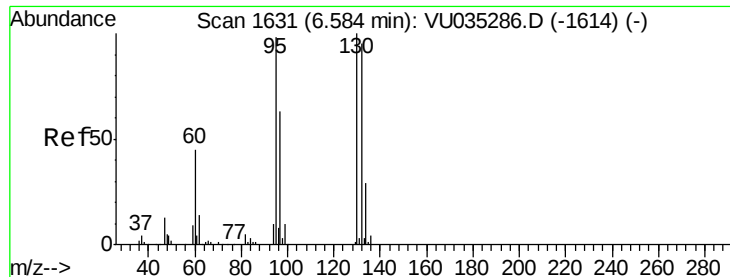
Tgt Ion: 78 Resp: 427969



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82





#34

Trichloroethene

Concen: 4.735 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 111071

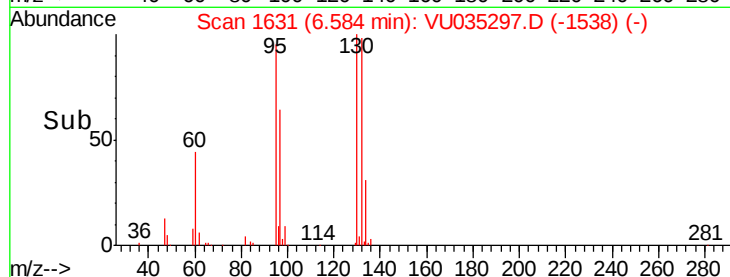
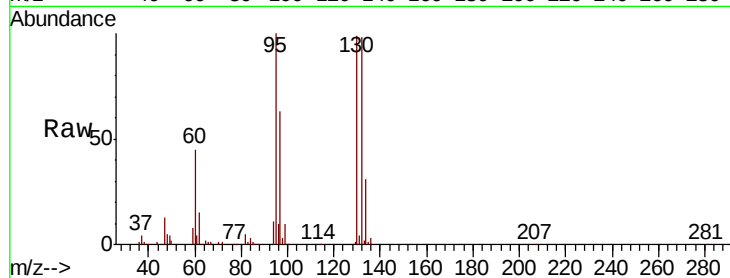
Ion Ratio Lower Upper

95 100

97 62.9 46.6 86.6

132 97.5 68.7 127.7

130 99.0 73.9 137.3

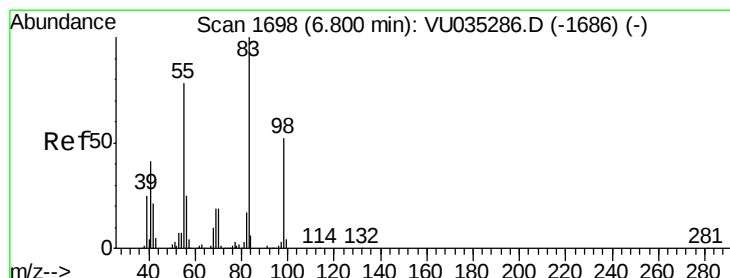
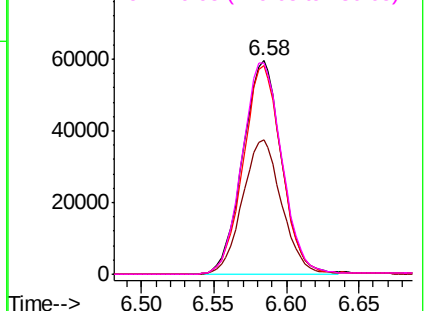


Abundance Ion 95.00 (94.70 to 95.70): VU035297.D (-1538) (-)

Ion 96.95 (96.65 to 97.65): VU035297.D (-1538) (-)

Ion 131.95 (131.65 to 132.65): VU035297.D (-1538) (-)

Ion 129.95 (129.65 to 130.65): VU035297.D (-1538) (-)



#35

Methylcyclohexane

Concen: 4.371 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

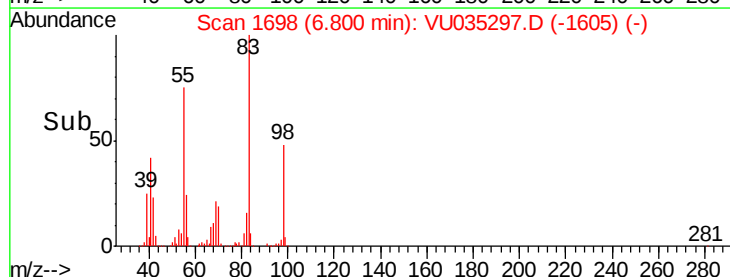
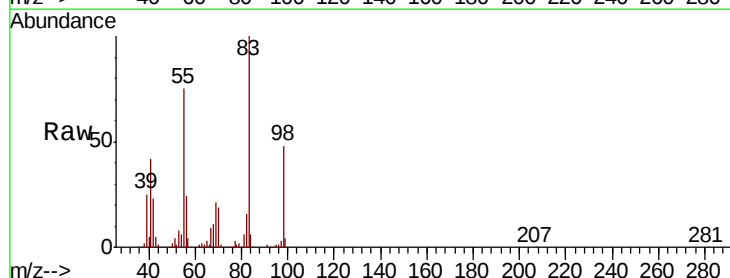
Tgt Ion: 83 Resp: 171350

Ion Ratio Lower Upper

83 100

55 75.4 60.4 90.6

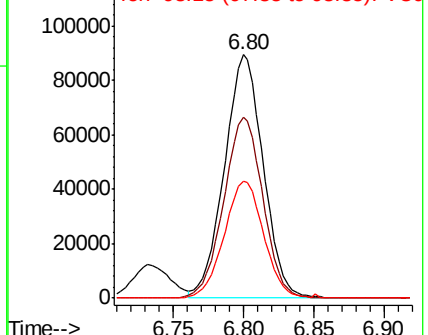
98 49.1 39.5 59.3

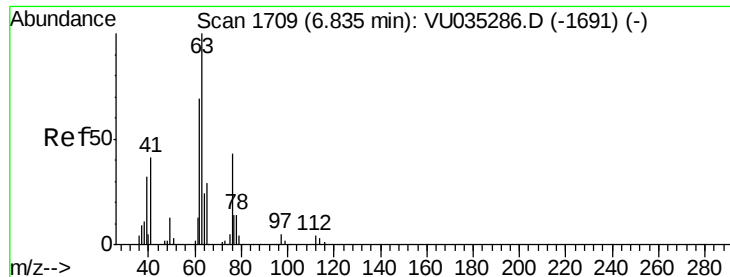


Abundance Ion 83.15 (82.85 to 83.85): VU035297.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035297.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035297.D (-1605) (-)

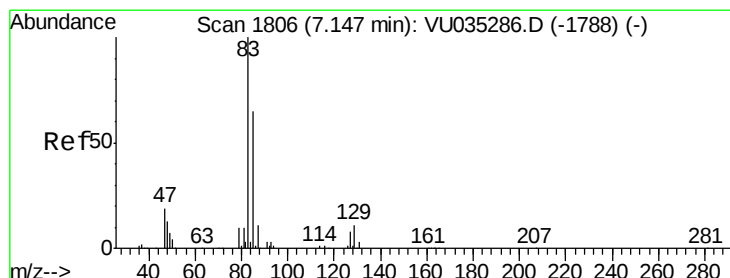
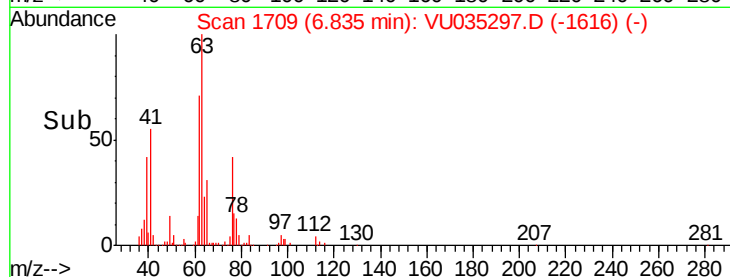
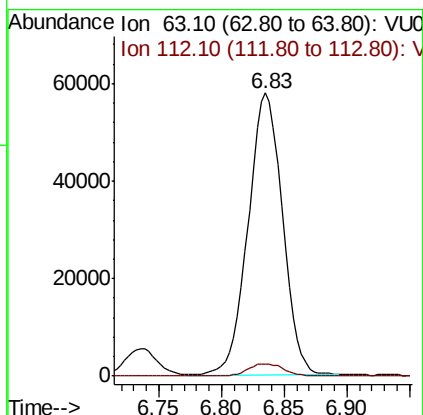
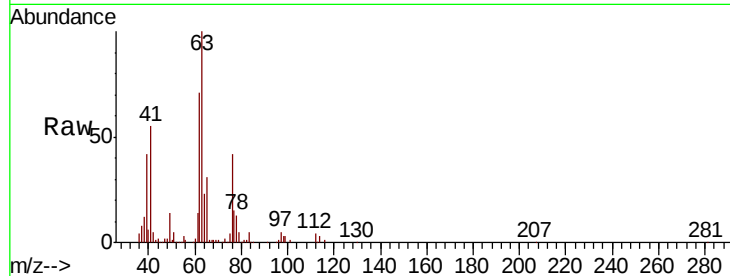




#37
 1,2-Dichloropropane
 Concen: 5.015 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

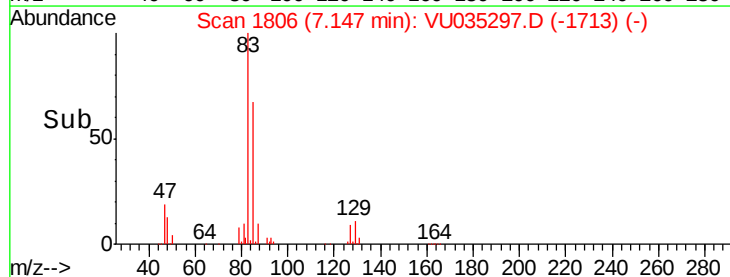
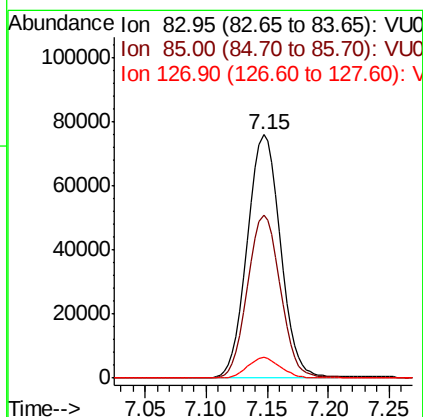
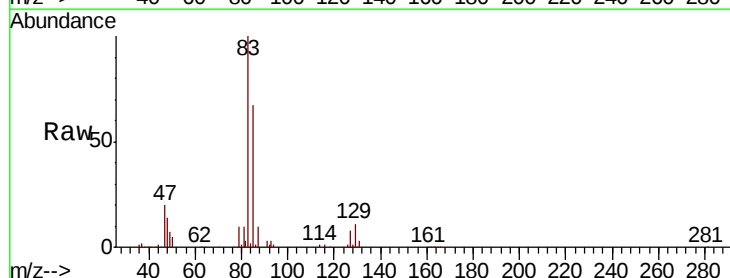
Instrument :
 MSVOA_U
 ClientSampleId :

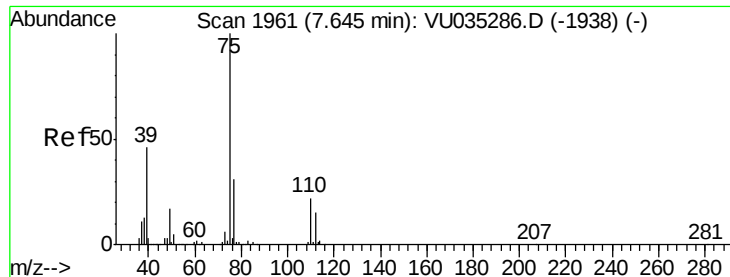
Tot Ion: 63 Resp: 111074
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.763 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion: 83 Resp: 142146
 Ion Ratio Lower Upper
 83 100
 85 66.9 45.6 84.8
 127 8.5 6.9 10.3



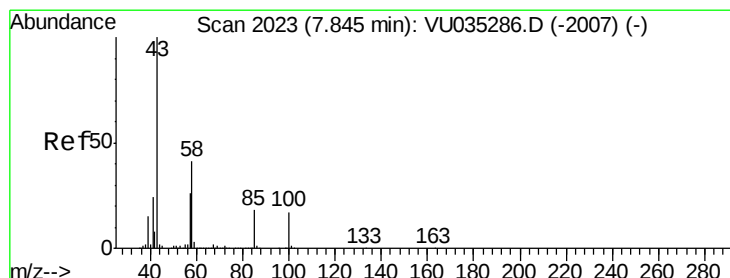
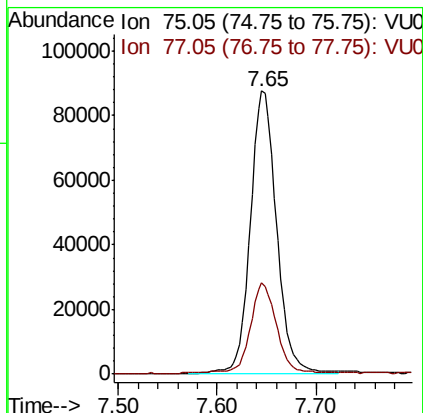
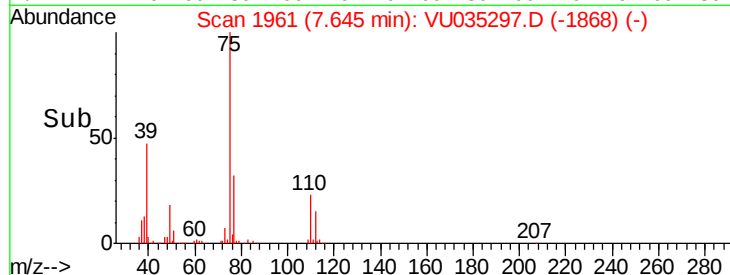
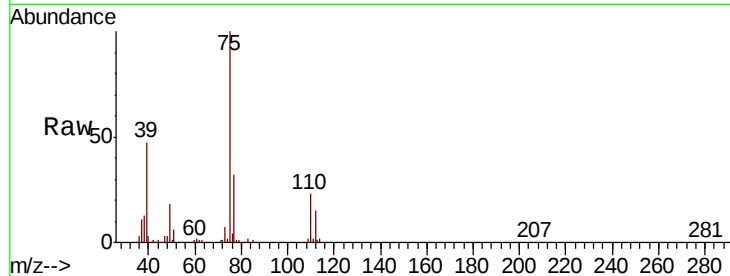


#39

cis-1,3-Dichloropropene
 Concen: 4.372 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Instrument :
 MSVOA_U
 ClientSampleId :

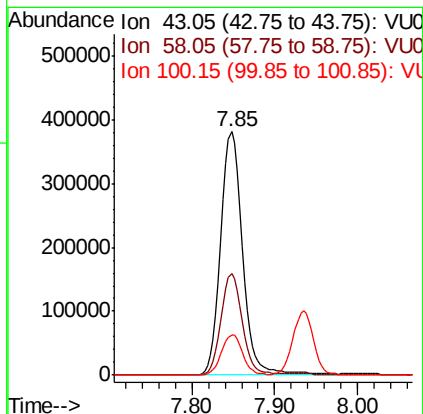
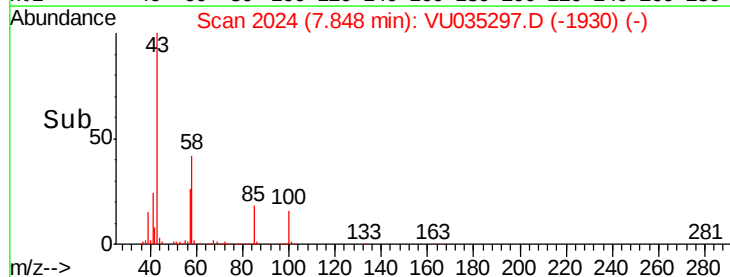
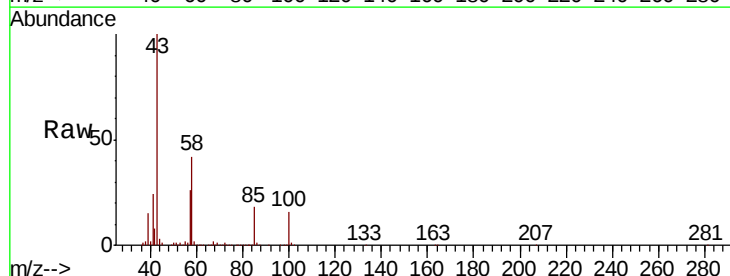
Tot Ion: 75 Resp: 162103
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.7 42.1

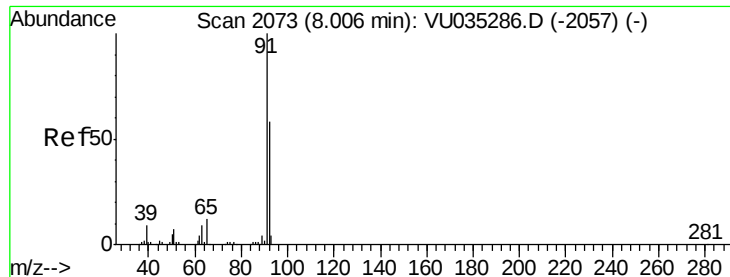


#40

4-Methyl-2-pentanone
 Concen: 46.875 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion: 43 Resp: 700930
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 16.0 13.4 20.2





#42

Toluene

Concen: 4.805 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

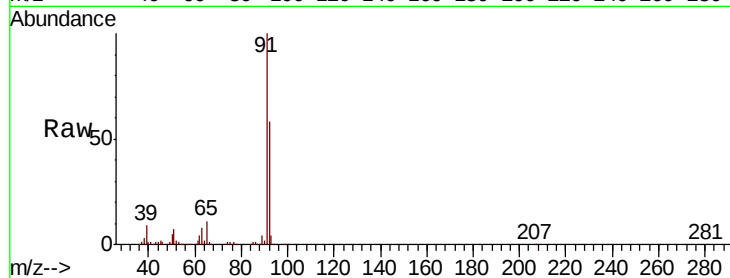
ClientSampled :

Tot Ion: 91 Resp: 462859

Ion Ratio Lower Upper

91 100

92 58.4 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035286.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035286.D (-2057) (-)

8.01

250000

200000

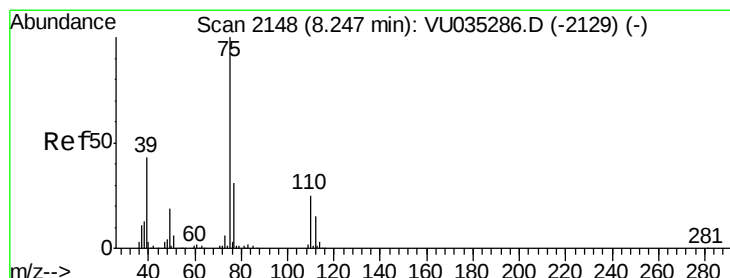
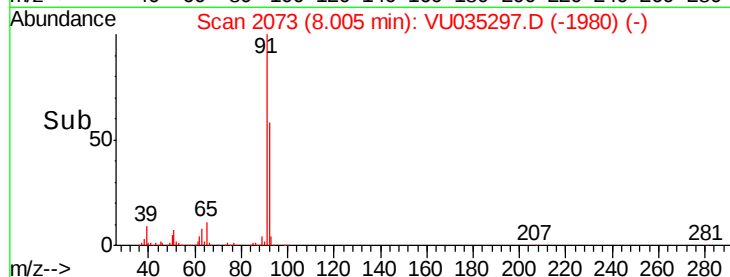
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.333 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035297.D

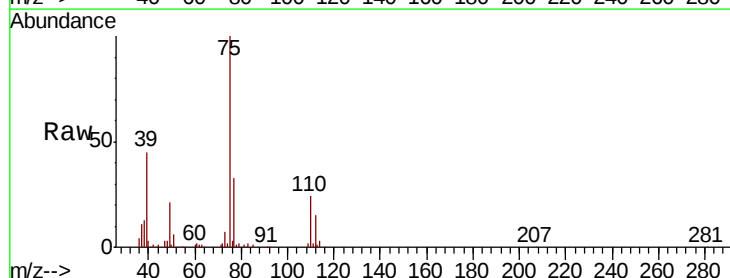
Acq: 19 Oct 2019 04:31

Tgt Ion: 75 Resp: 131275

Ion Ratio Lower Upper

75 100

77 32.7 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035286.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035286.D (-2129) (-)

8.25

80000

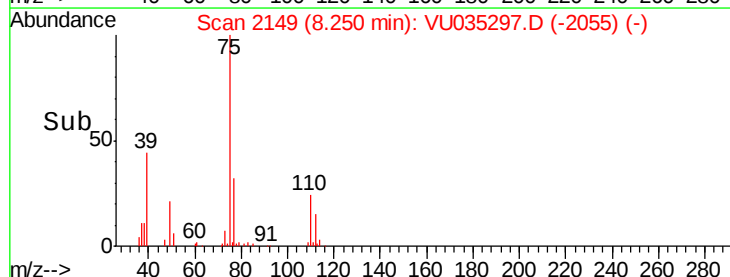
60000

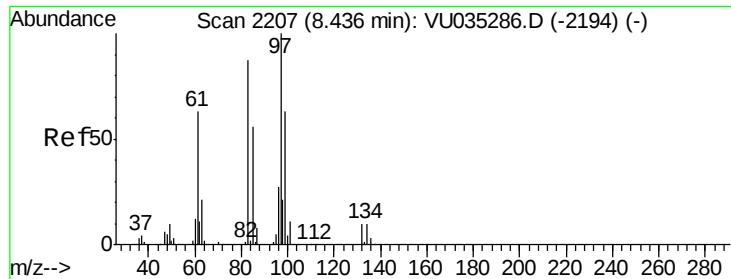
40000

20000

0

Time-->

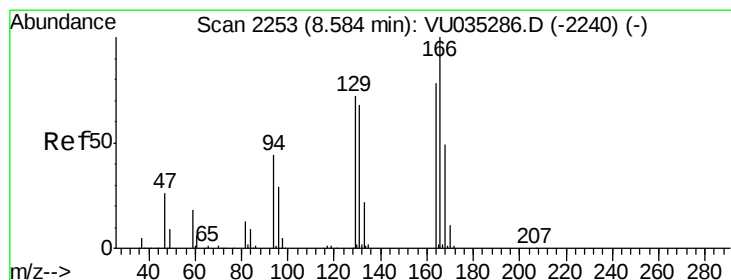
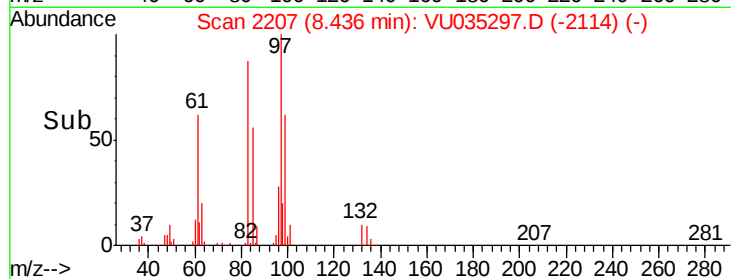
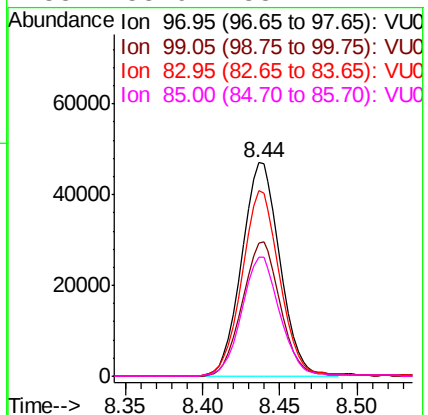
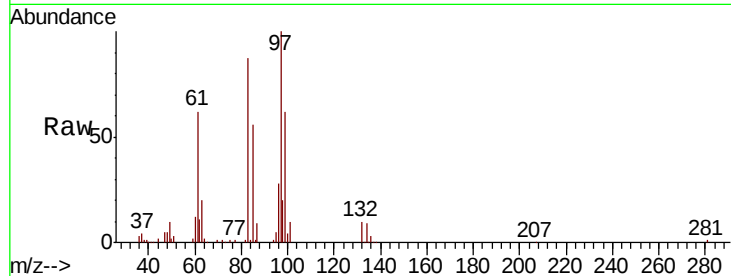




#45
 1,1,2-Trichloroethane
 Concen: 4.933 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

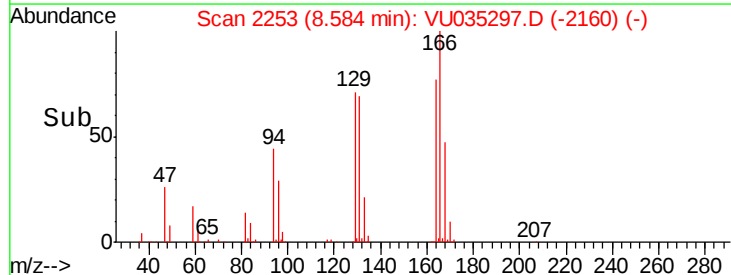
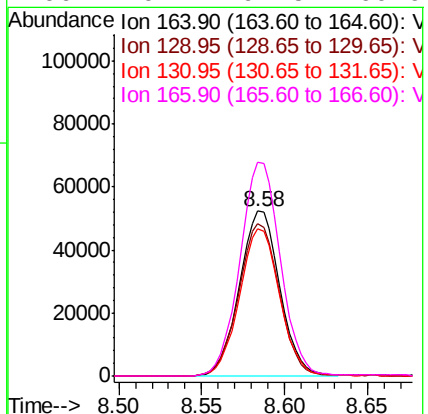
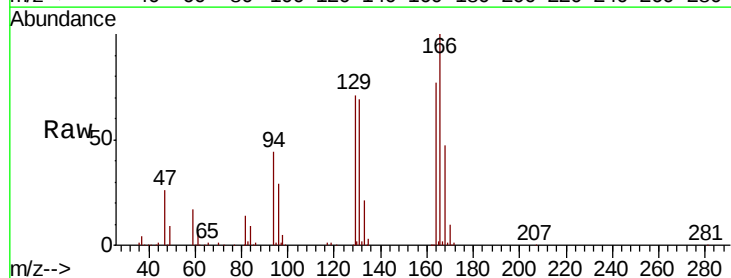
Instrument :
 MSVOA_U
 ClientSampleId :

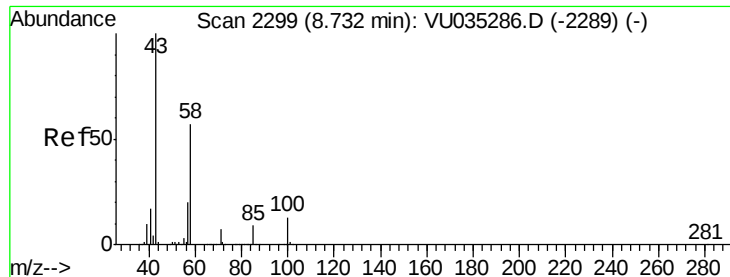
Tot Ion:	97	Resp:	81129
Ion	Ratio	Lower	Upper
97	100		
99	62.1	42.9	79.7
83	86.8	60.4	112.2
85	55.9	38.4	71.2



#47
 Tetrachloroethene
 Concen: 4.525 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion:	164	Resp:	88427
Ion	Ratio	Lower	Upper
164	100		
129	92.3	65.2	121.0
131	89.5	62.9	116.9
166	129.7	91.5	169.9

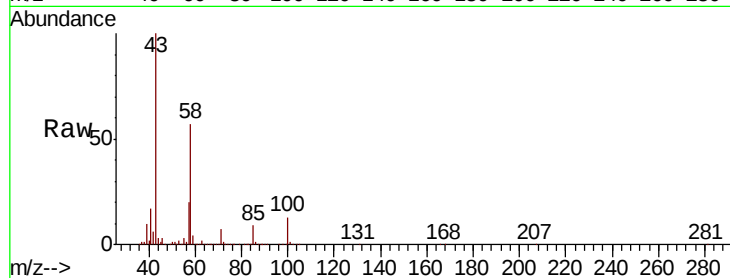




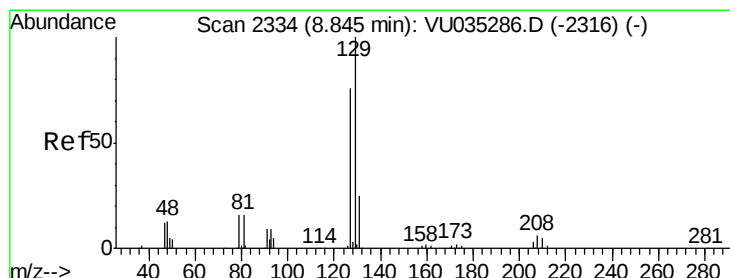
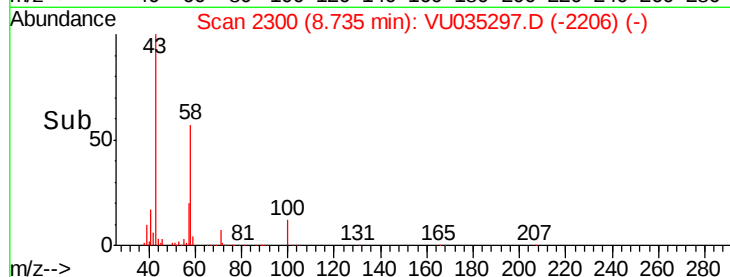
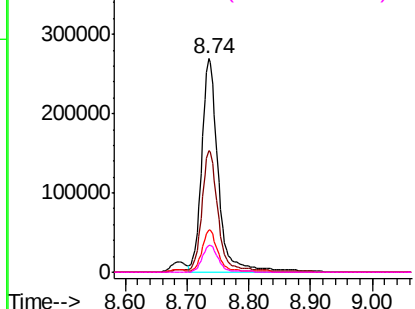
#48
2-Hexanone
Concen: 48.404 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	507600
Ion	Ratio	Lower	Upper
43	100		
58	55.4	45.1	67.7
57	18.1	16.0	24.0
100	12.8	10.4	15.6

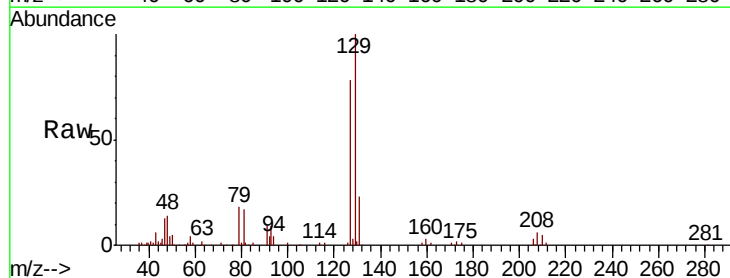


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

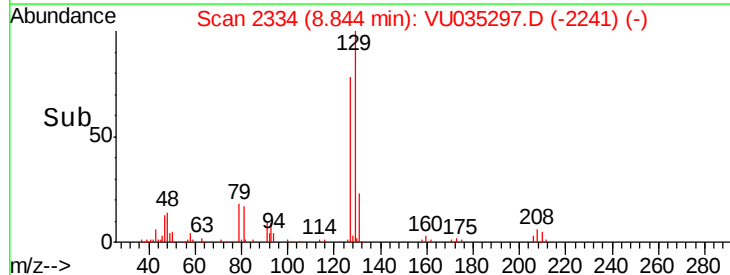
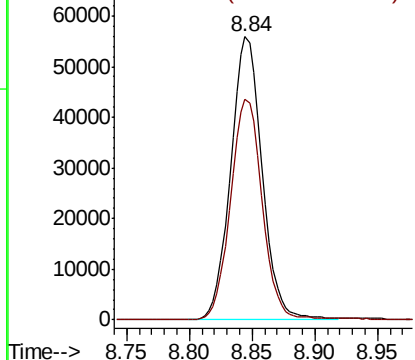


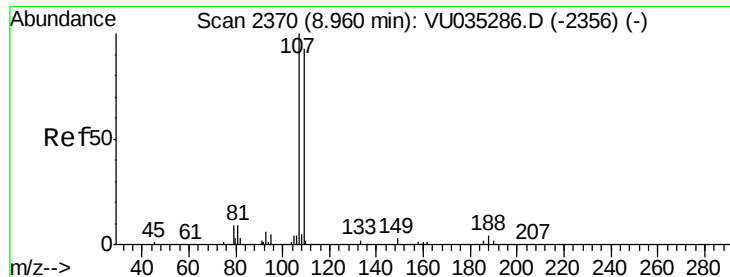
#49
Dibromochloromethane
Concen: 4.683 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Tgt Ion:	129	Resp:	97635
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	99.8



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

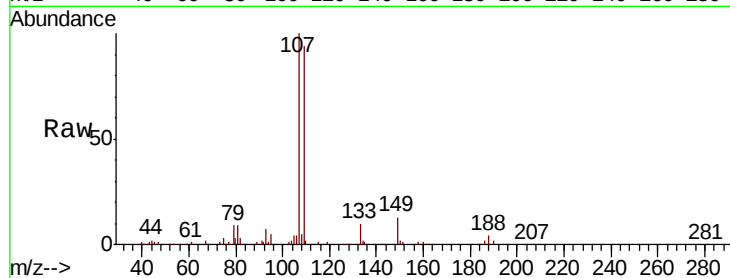




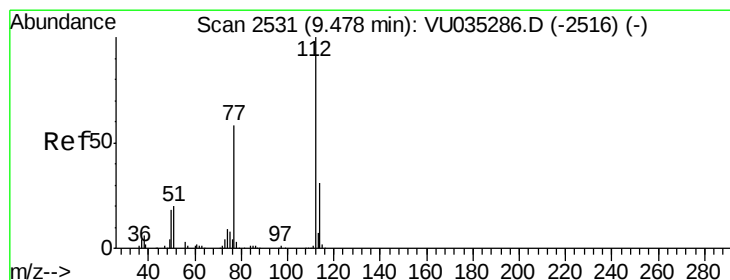
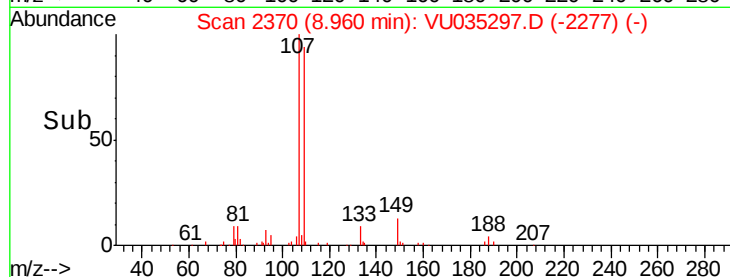
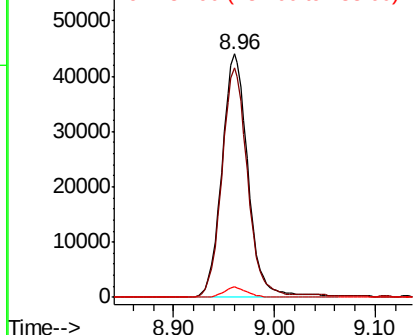
#50
 1,2-Dibromoethane
 Concen: 4.853 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:107 Resp: 79782
 Ion Ratio Lower Upper
 107 100
 109 94.2 66.1 122.8
 188 4.2 3.2 4.8

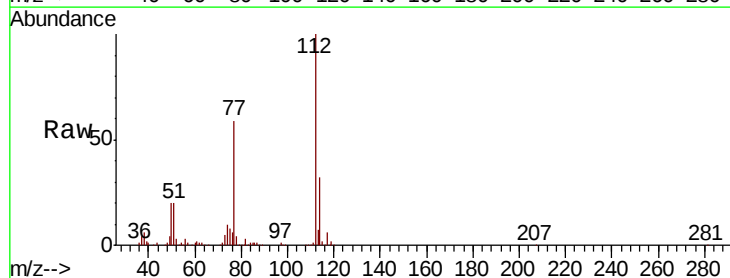


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

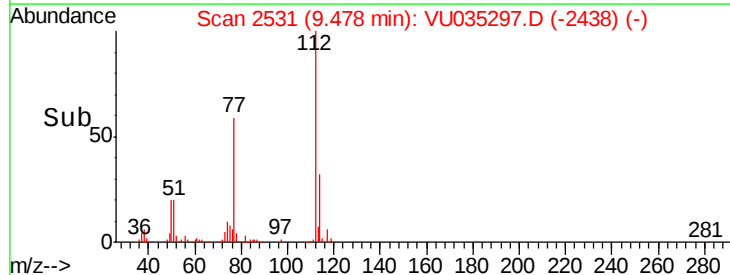
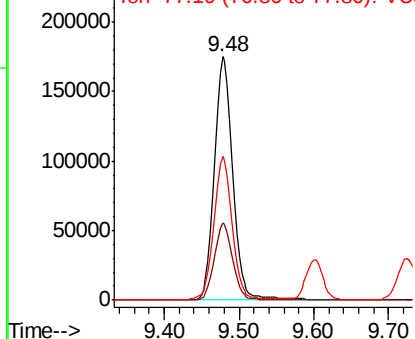


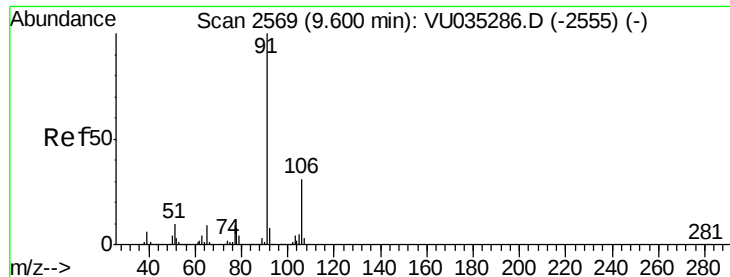
#51
 Chlorobenzene
 Concen: 4.851 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion:112 Resp: 301649
 Ion Ratio Lower Upper
 112 100
 114 31.7 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): V





#52

Ethylbenzene

Concen: 4.673 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

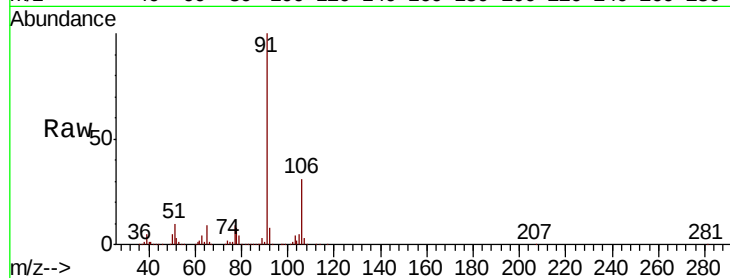
ClientSampleId :

Tot Ion: 91 Resp: 511873

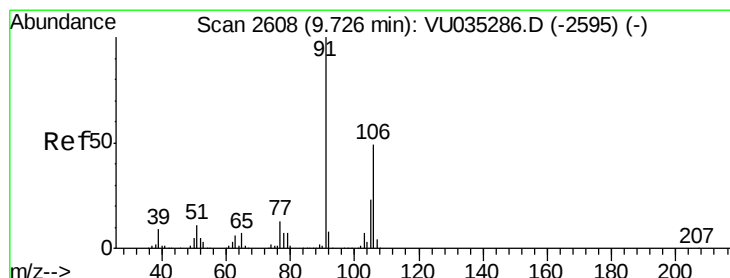
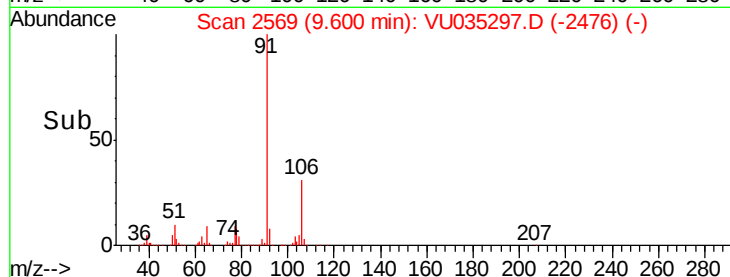
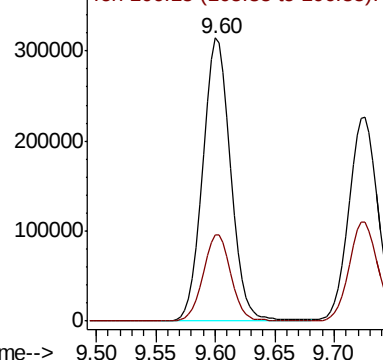
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035286.D (-2555) (-)



#53

m,p-Xylene

Concen: 4.491 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035297.D

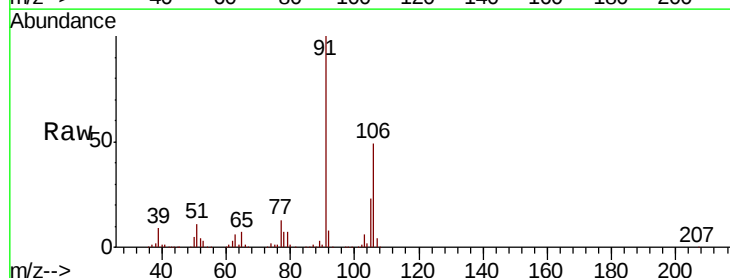
Acq: 19 Oct 2019 04:31

Tgt Ion: 106 Resp: 185747

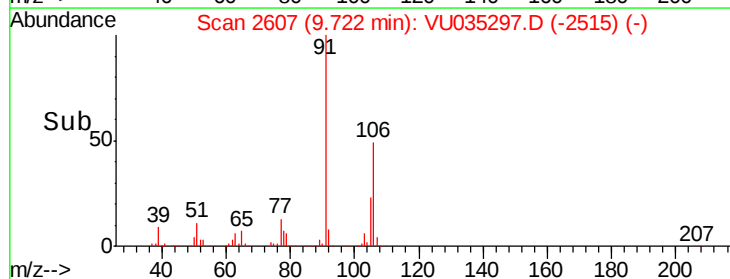
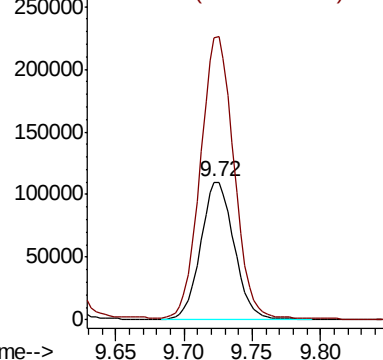
Ion Ratio Lower Upper

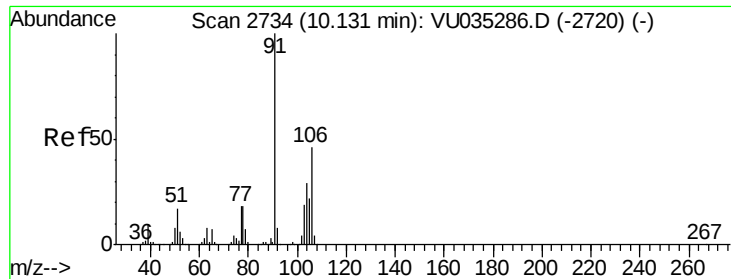
106 100

91 205.0 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): VU035286.D (-2595) (-)

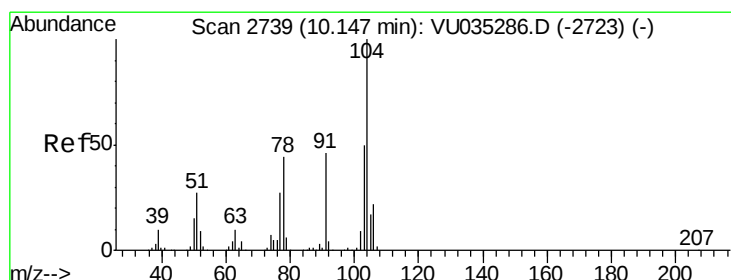
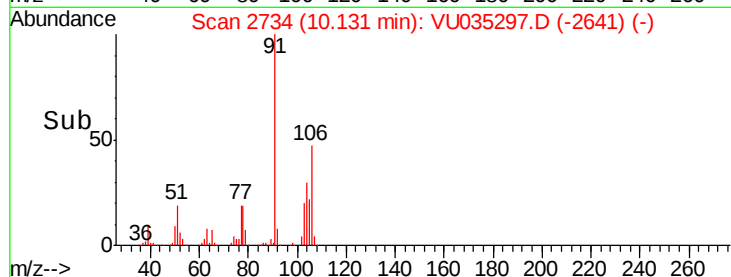
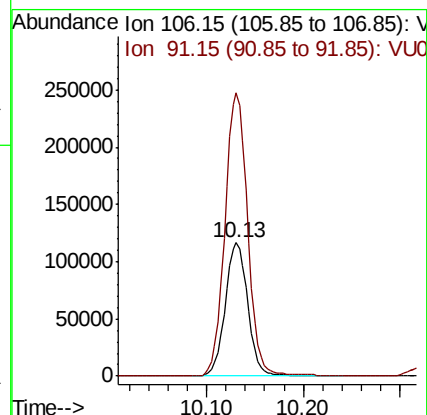
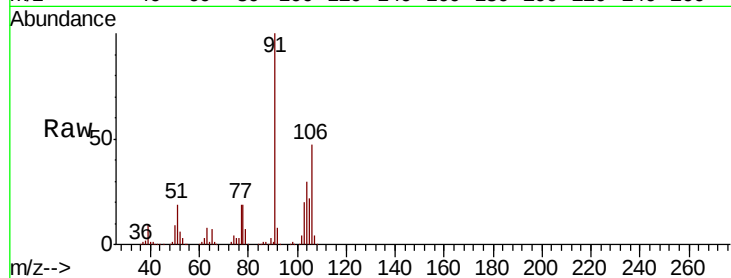




#54
o-Xylene
Concen: 4.685 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

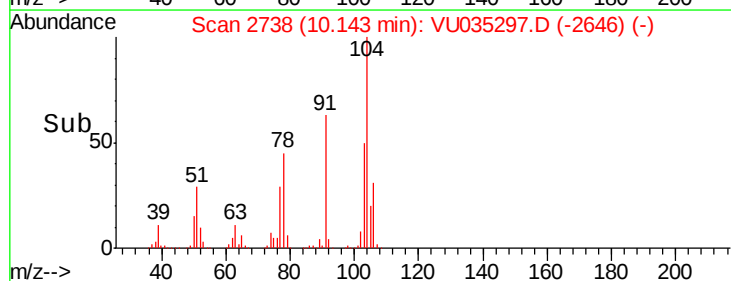
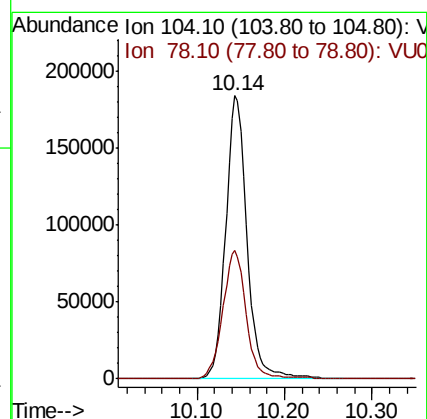
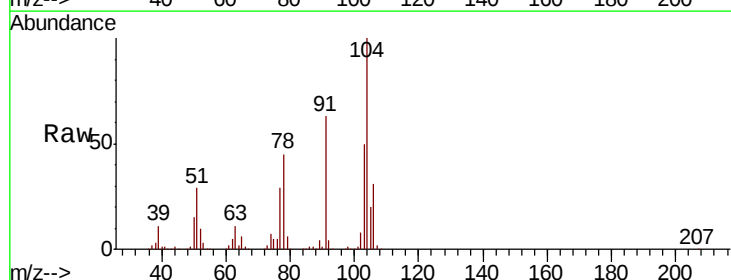
Instrument :
MSVOA_U
ClientSampleId :

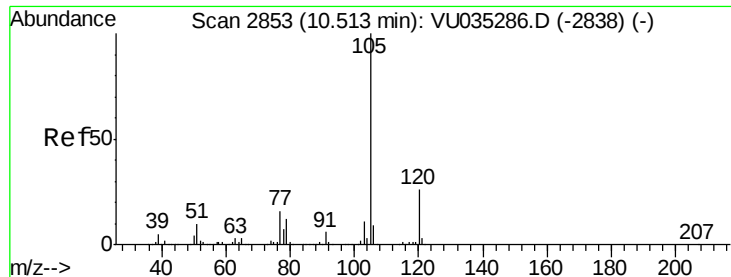
Tot Ion:106 Resp: 189114
Ion Ratio Lower Upper
106 100
91 212.6 153.2 284.6



#55
Styrene
Concen: 4.742 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. -0.00 min
Lab File: VU035297.D
Acq: 19 Oct 2019 04:31

Tgt Ion:104 Resp: 311641
Ion Ratio Lower Upper
104 100
78 45.2 31.3 58.1





#56

Isopropylbenzene

Concen: 4.610 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampled :

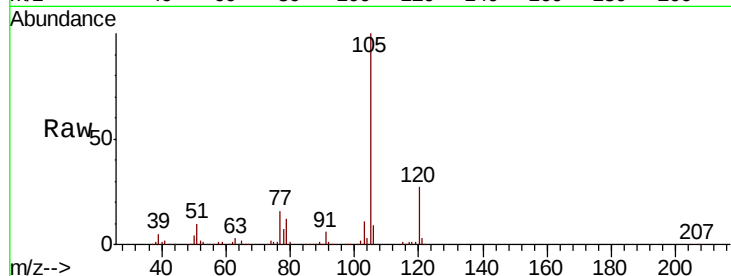
Tot Ion:105 Resp: 500525

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

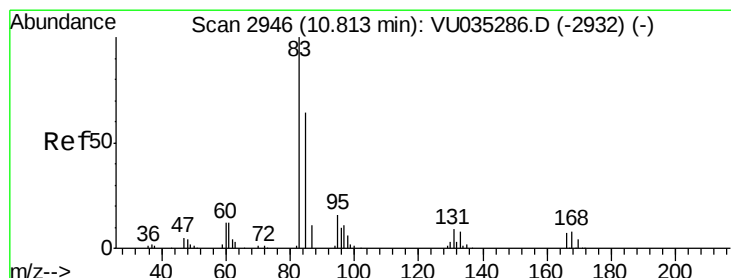
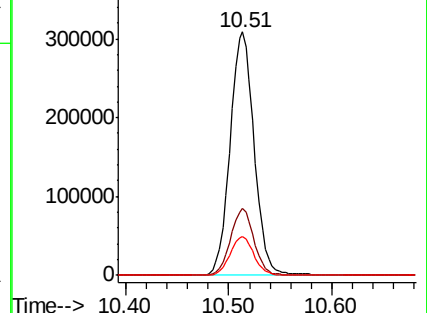
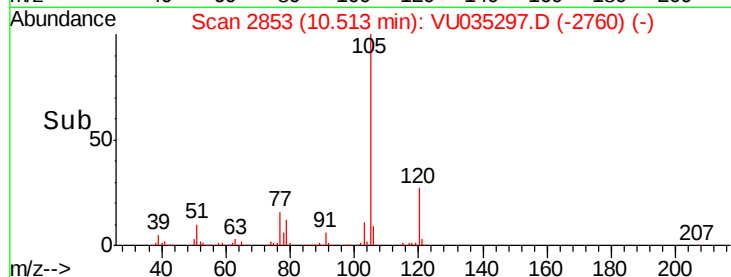
77 16.0 12.6 19.0



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: 5.009 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

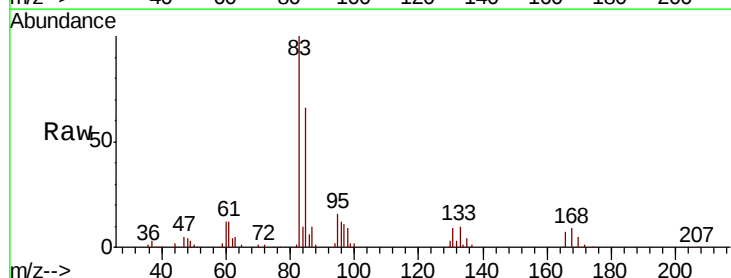
Tgt Ion: 83 Resp: 106010

Ion Ratio Lower Upper

83 100

85 65.6 46.8 86.8

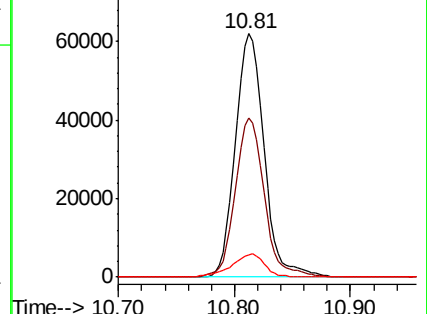
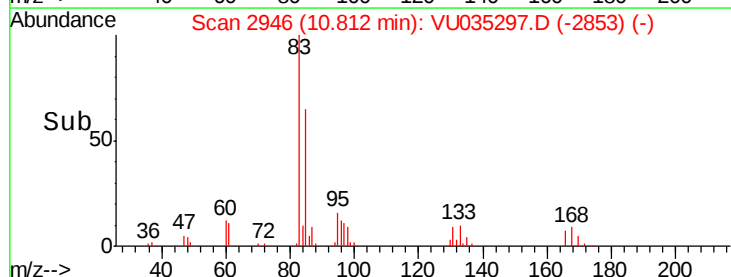
131 9.2 7.5 11.3

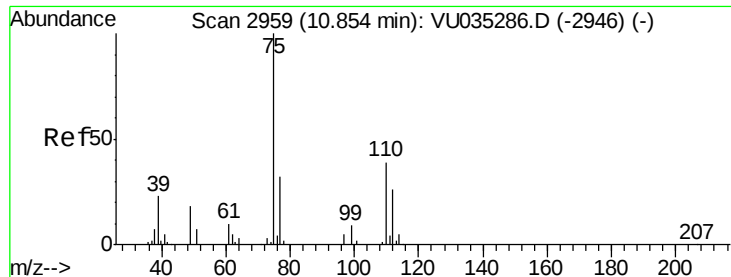


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

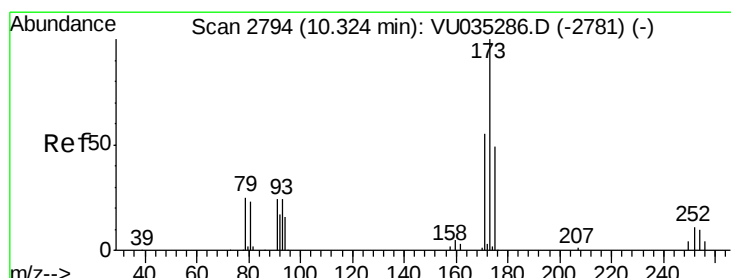
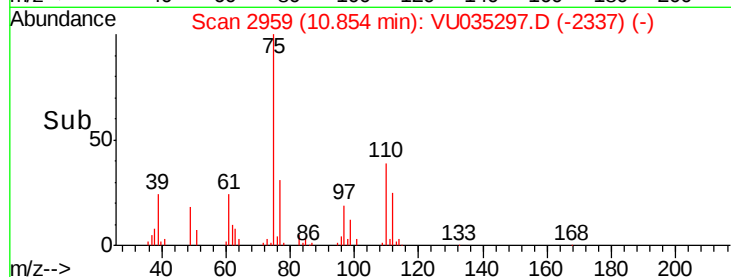
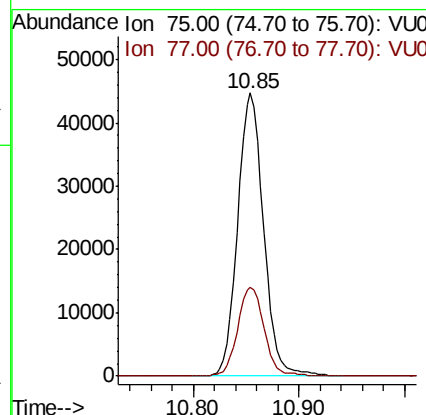
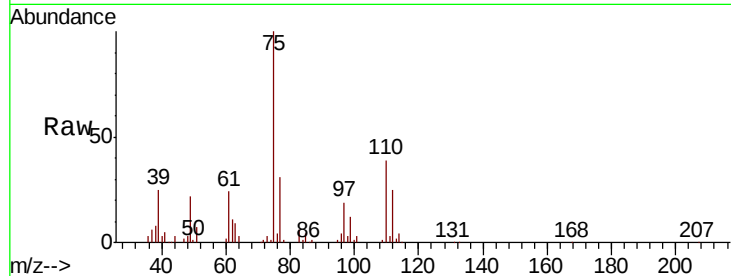




#59
 1,2,3-Trichloropropane
 Concen: 4.932 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

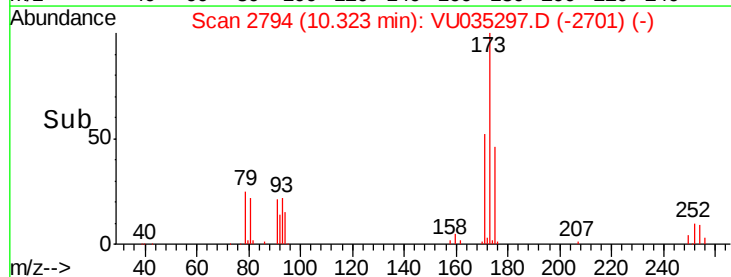
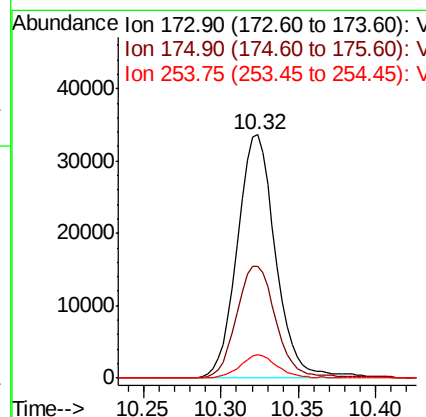
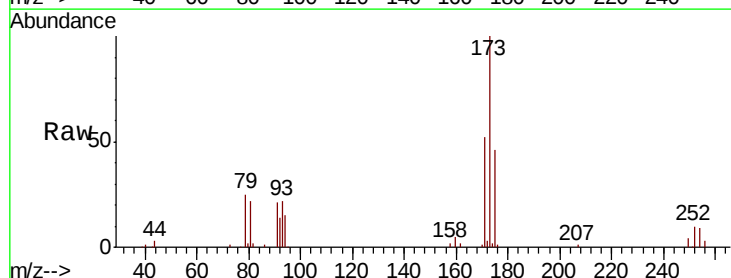
Instrument :
 MSVOA_U
 ClientSampleId :

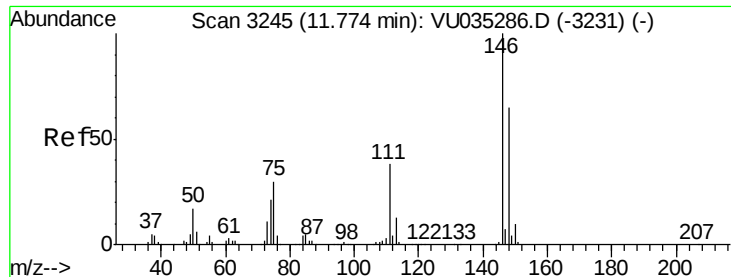
Tot Ion: 75 Resp: 76110
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.2 39.2



#61
 Bromoform
 Concen: 4.345 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion: 173 Resp: 57716
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.8 58.2
 254 9.3 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.654 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

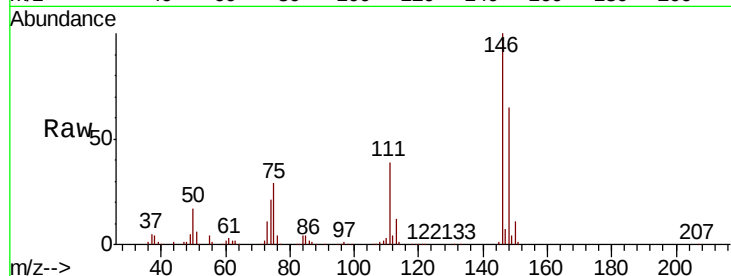
Tot Ion:146 Resp: 227755

Ion Ratio Lower Upper

146 100

111 39.0 27.8 51.6

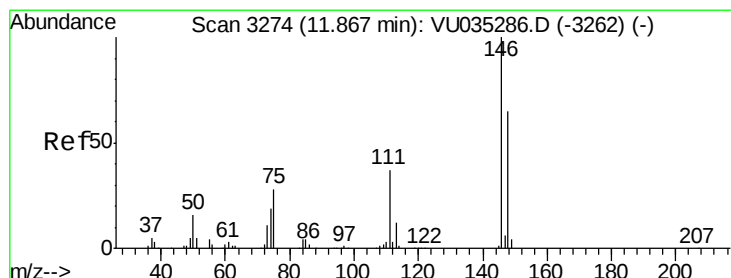
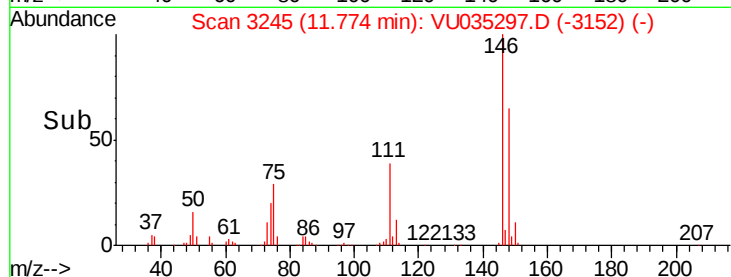
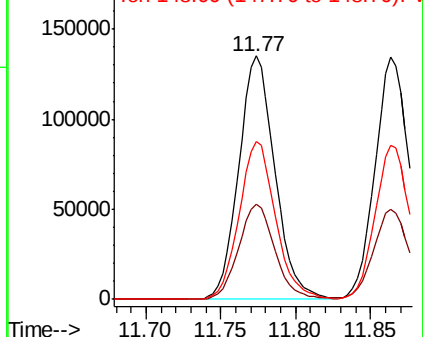
148 65.0 45.6 84.8



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: 4.633 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

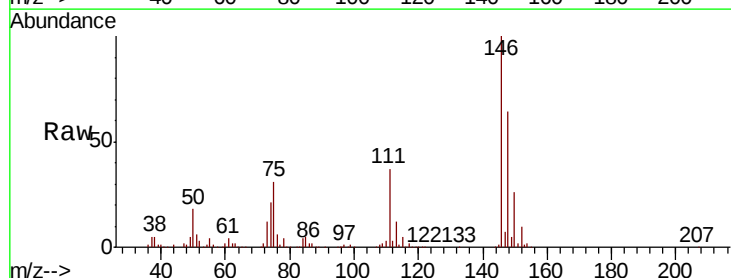
Tgt Ion:146 Resp: 222945

Ion Ratio Lower Upper

146 100

111 37.3 26.4 49.0

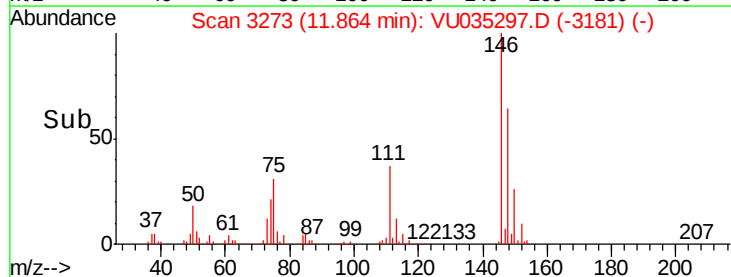
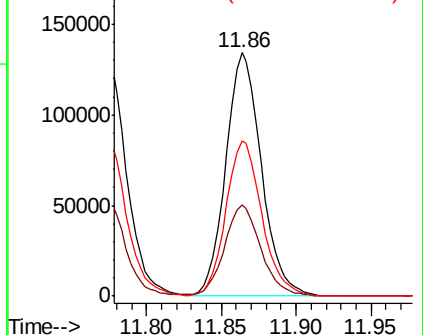
148 63.6 44.7 83.1

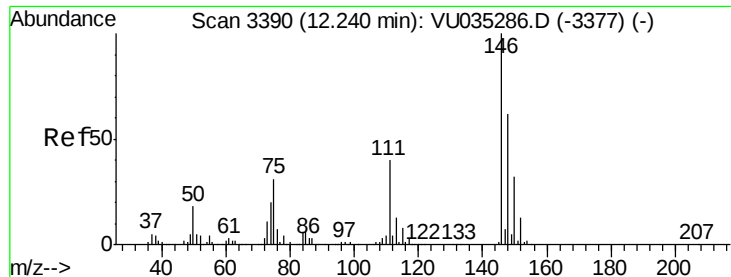


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.690 ug/L

RT: 12.24 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

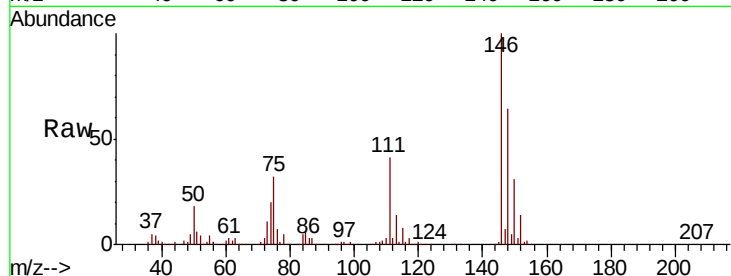
Tot Ion:146 Resp: 215621

Ion Ratio Lower Upper

146 100

111 41.4 33.0 49.6

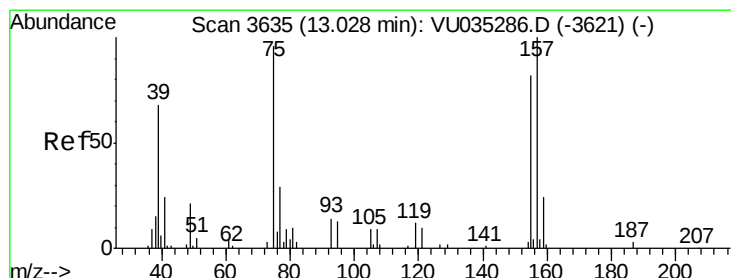
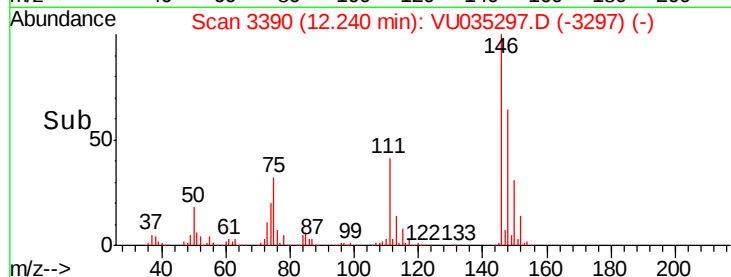
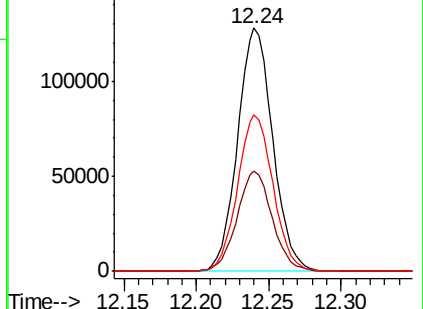
148 64.4 51.0 76.4



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: 4.200 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

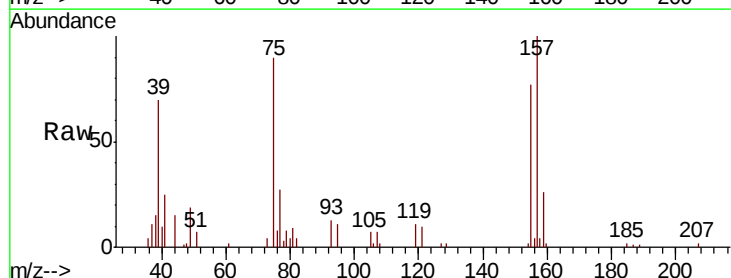
Tgt Ion: 75 Resp: 13641

Ion Ratio Lower Upper

75 100

155 85.5 70.0 105.0

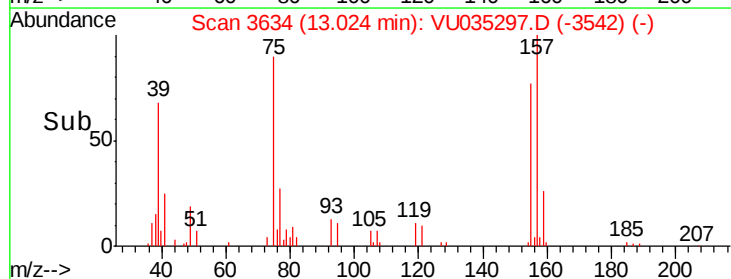
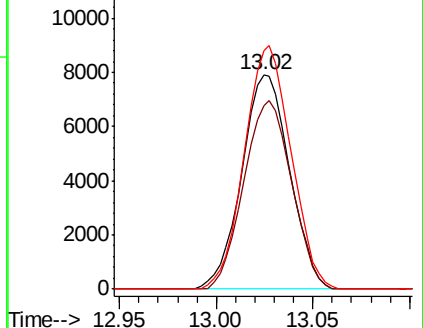
157 111.2 94.7 142.1

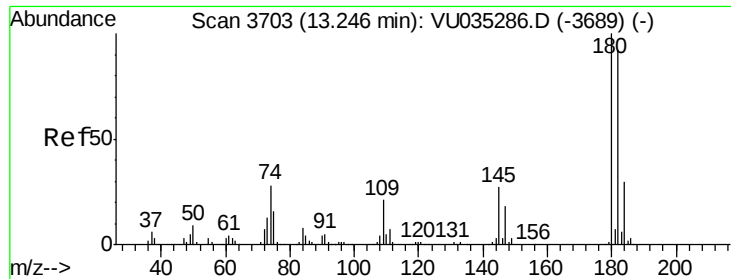


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

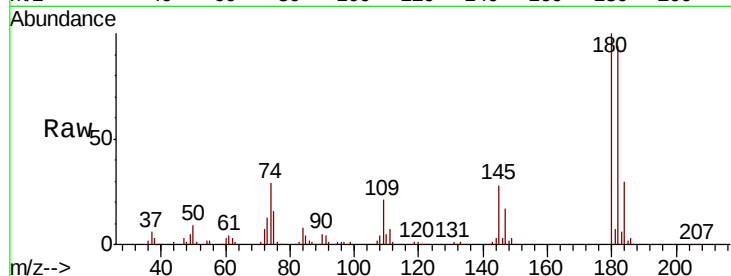




#67
 1,3,5-Trichlorobenzene
 Concen: 4.642 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.4	116.2
184	30.2	23.9	35.9
145	27.5	22.4	33.6



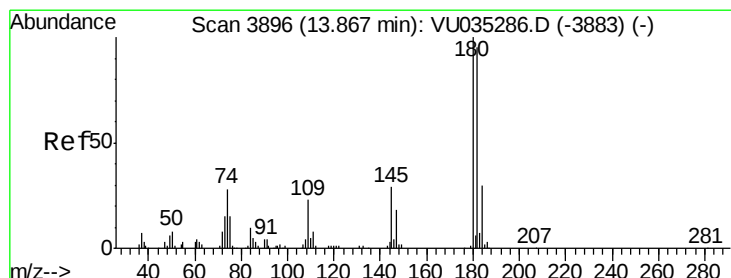
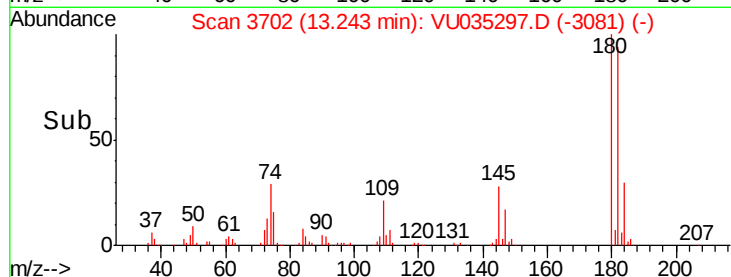
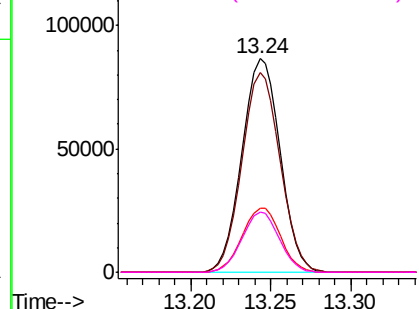
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

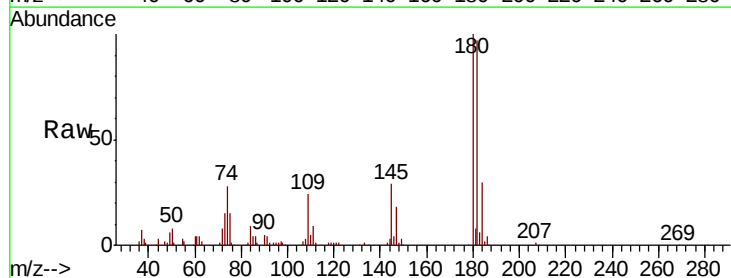
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.354 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035297.D
 Acq: 19 Oct 2019 04:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.9	113.9
145	29.0	23.4	35.2

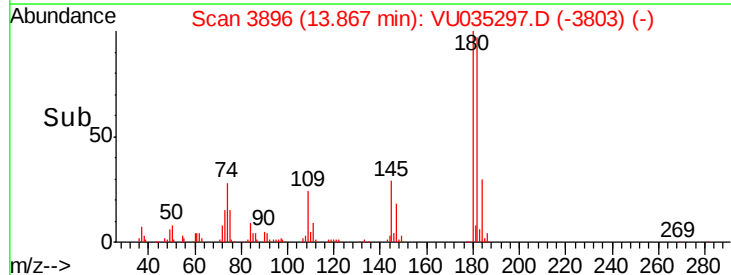
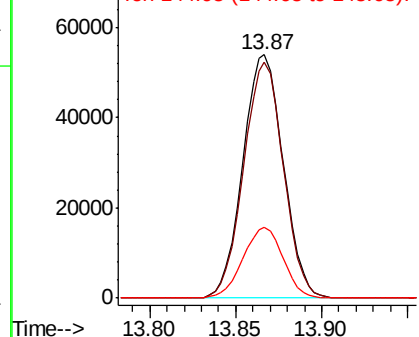


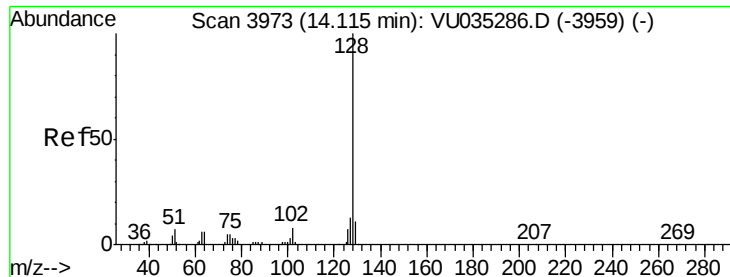
Abundance

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: 3.969 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

Instrument :

MSVOA_U

ClientSampleId :

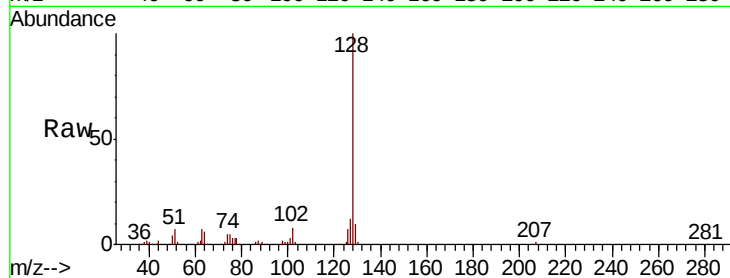
Tot Ion:128 Resp: 110001

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

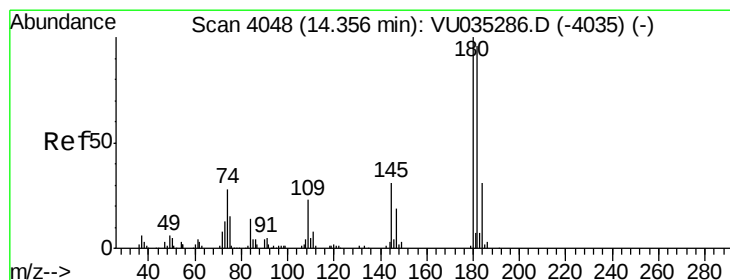
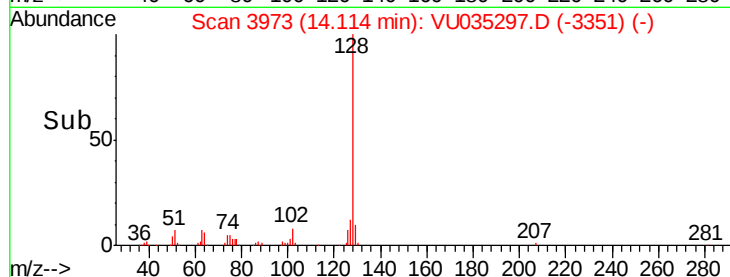
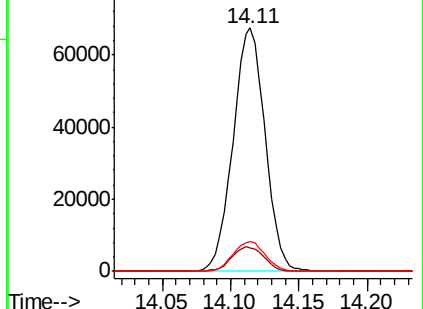
127 12.4 10.7 16.1



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: 4.575 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU035297.D

Acq: 19 Oct 2019 04:31

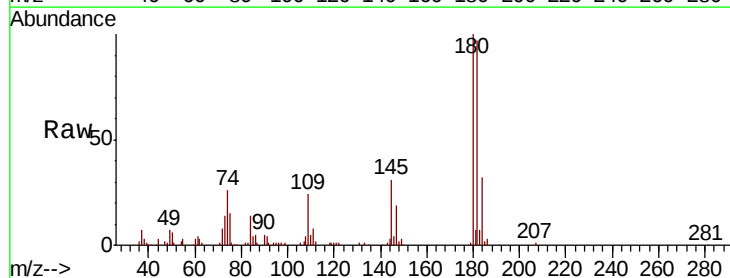
Tgt Ion:180 Resp: 86375

Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 30.6 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

