

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035260.D
 Acq On : 18 Oct 2019 11:27
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 18 13:55:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 07:32:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	342785	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	326069	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	152475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	90617	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.94	69	82009	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.60	63	177659	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.00%
20) 2-Butanone-d5	4.71	46	267075	44.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.92%
24) Chloroform-d	5.11	84	183019	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.75	65	97639	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.77	84	338035	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.74	67	109420	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.93	98	312569	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.22	79	48443	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.68	63	231503	45.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100687	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	121980	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	143443	4.917	ug/L 99
3) Chloromethane	1.54	50	141367	4.885	ug/L 100
5) Vinyl chloride	1.62	62	144686	4.868	ug/L 99
6) Bromomethane	1.88	94	83245	4.744	ug/L 99
8) Chloroethane	1.95	64	88070	4.596	ug/L 98
9) Trichlorofluoromethane	2.16	101	194815	4.910	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	109268	4.780	ug/L 98
12) 1,1-Dichloroethene	2.61	96	104191	4.731	ug/L 91
13) Acetone	2.67	43	183806	43.993	ug/L 98
14) Carbon disulfide	2.82	76	327617	4.705	ug/L 100
15) Methyl Acetate	3.00	43	42653	4.097	ug/L 94
16) Methylene chloride	3.08	84	118321	4.466	ug/L 98
17) Methyl tert-butyl Ether	3.43	73	274605	4.633	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	114216	4.806	ug/L 97
19) 1,1-Dichloroethane	3.92	63	212225	4.938	ug/L 99
21) 2-Butanone	4.78	43	292236	42.914	ug/L 99
22) cis-1,2-Dichloroethene	4.72	96	125848	4.791	ug/L 97

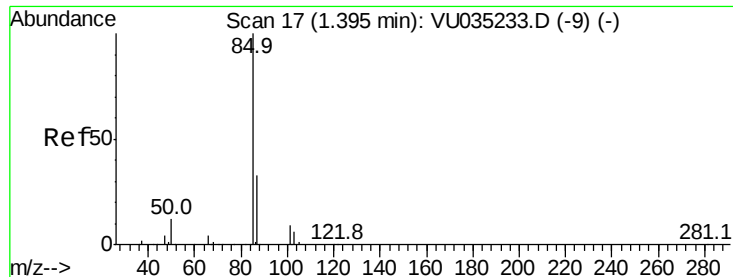
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	54596	4.828	ug/L	98
25) Chloroform	5.14	83	218412	4.632	ug/L	98
27) 1,2-Dichloroethane	5.84	62	136598	4.723	ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	186995	4.896	ug/L	99
30) Cyclohexane	5.43	56	189980	4.644	ug/L	98
31) Carbon tetrachloride	5.57	117	165105	4.801	ug/L	99
33) Benzene	5.82	78	472608	4.926	ug/L	100
34) Trichloroethene	6.58	95	123027	4.770	ug/L	98
35) Methylcyclohexane	6.80	83	203989	4.732	ug/L	98
37) 1,2-Dichloropropane	6.84	63	120196	4.935	ug/L	100
38) Bromodichloromethane	7.15	83	157348	4.795	ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	189495	4.648	ug/L	98
40) 4-Methyl-2-pentanone	7.85	43	725940	44.153	ug/L	99
42) Toluene	8.01	91	517318	4.885	ug/L	98
44) trans-1,3-Dichloropropene	8.25	75	149586	4.490	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	86979	4.810	ug/L	99
47) Tetrachloroethene	8.58	164	102333	4.762	ug/L	97
48) 2-Hexanone	8.74	43	488683	42.382	ug/L	95
49) Dibromochloromethane	8.84	129	108842	4.748	ug/L	97
50) 1,2-Dibromoethane	8.96	107	84429	4.671	ug/L	100
51) Chlorobenzene	9.48	112	328263	4.801	ug/L	99
52) Ethylbenzene	9.60	91	578919	4.807	ug/L	100
53) m,p-Xylene	9.73	106	219339	4.823	ug/L	99
54) o-Xylene	10.13	106	212092	4.779	ug/L	98
55) Styrene	10.14	104	344460	4.767	ug/L	97
56) Isopropylbenzene	10.51	105	562040	4.708	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	113247	4.867	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	79417	4.680	ug/L	100
61) Bromoform	10.32	173	63723	4.512	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	245156	4.712	ug/L	98
63) 1,4-Dichlorobenzene	11.87	146	234663	4.587	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	227490	4.654	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	13773	3.989	ug/L	99
67) 1,3,5-Trichlorobenzene	13.25	180	137138	4.253	ug/L	97
68) 1,2,4-trichlorobenzene	13.87	180	86615	4.035	ug/L	99
69) Naphthalene	14.11	128	117152	3.976	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	86365	4.303	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.917 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

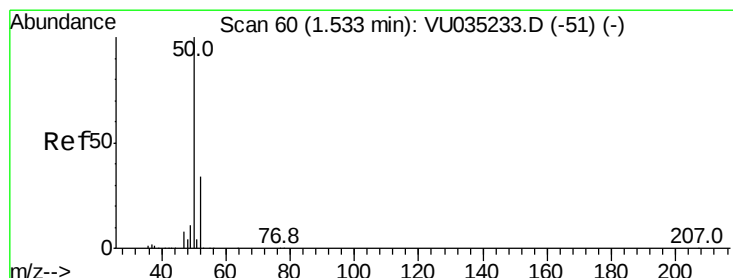
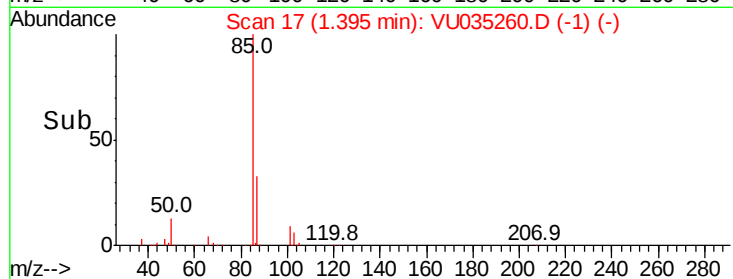
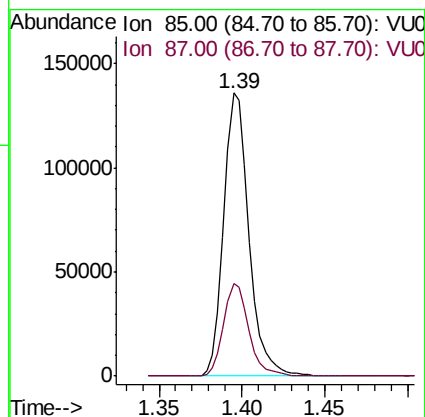
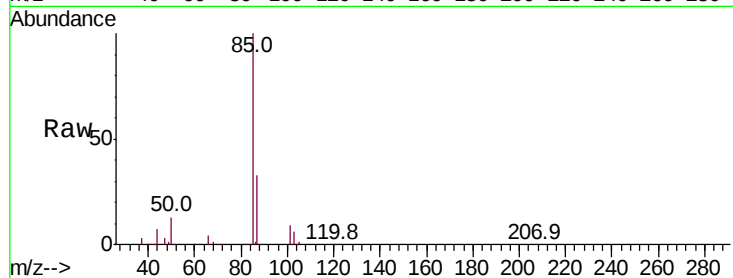
ClientSampleId :

Tot Ion: 85 Resp: 143443

Ion Ratio Lower Upper

85 100

87 32.7 25.5 38.3



#3

Chloromethane

Concen: 4.885 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035260.D

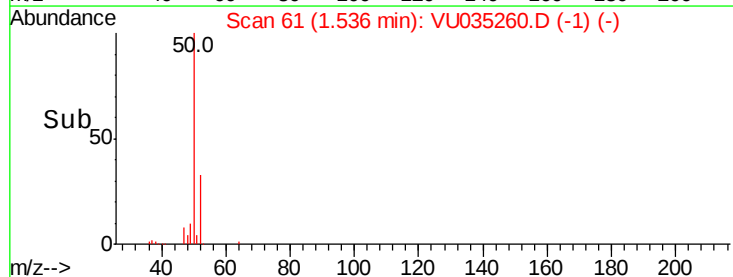
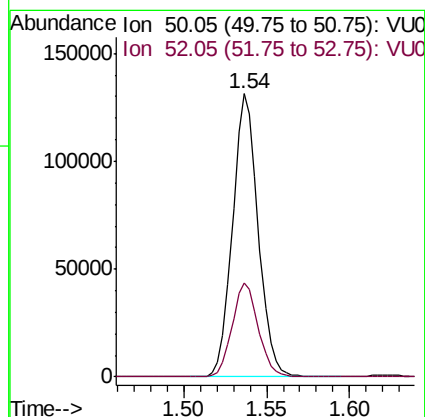
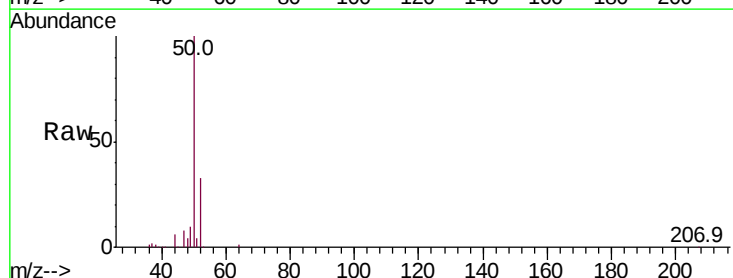
Acq: 18 Oct 2019 11:27

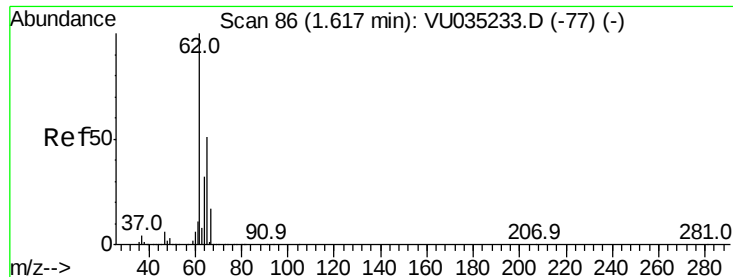
Tgt Ion: 50 Resp: 141367

Ion Ratio Lower Upper

50 100

52 33.4 23.5 43.7





#5

Vinyl chloride

Concen: 4.868 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

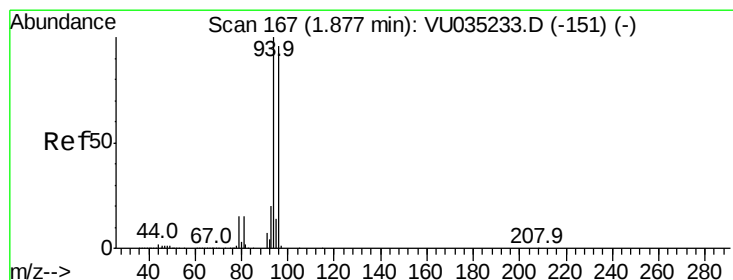
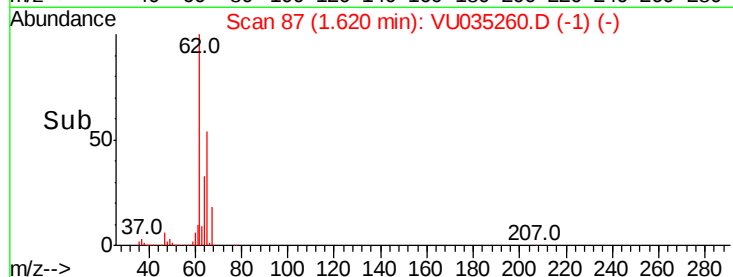
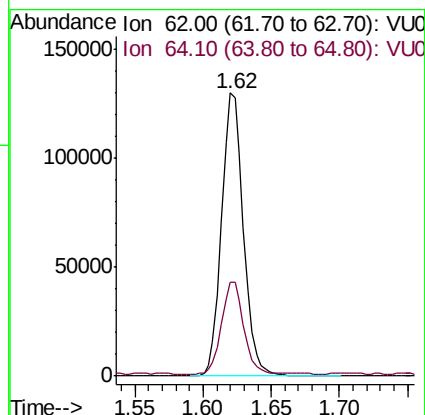
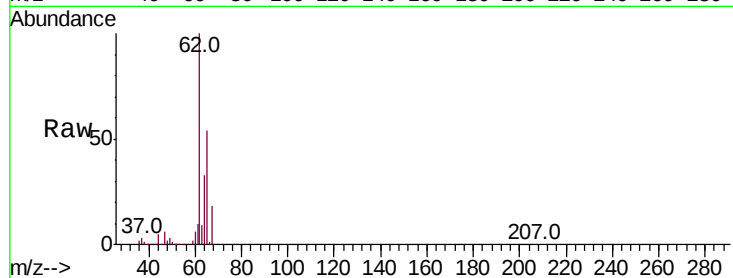
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 144686

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 4.744 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035260.D

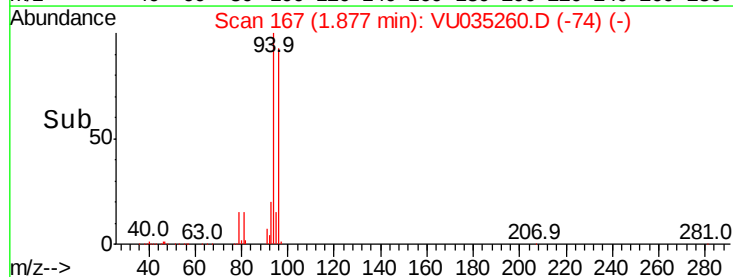
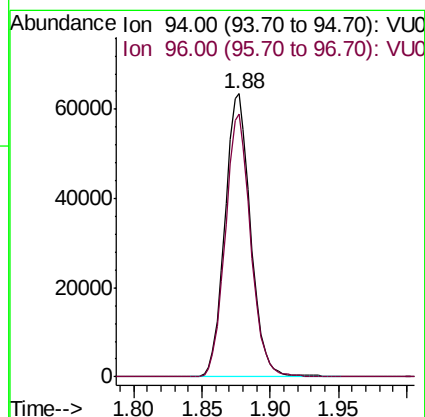
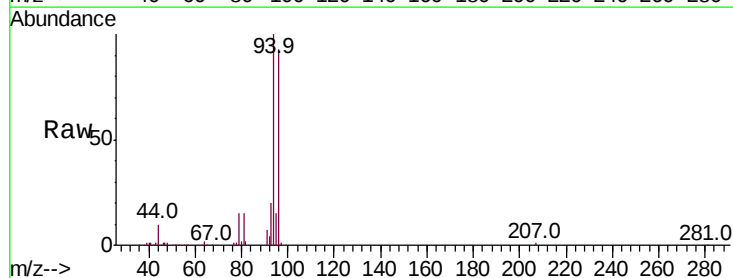
Acq: 18 Oct 2019 11:27

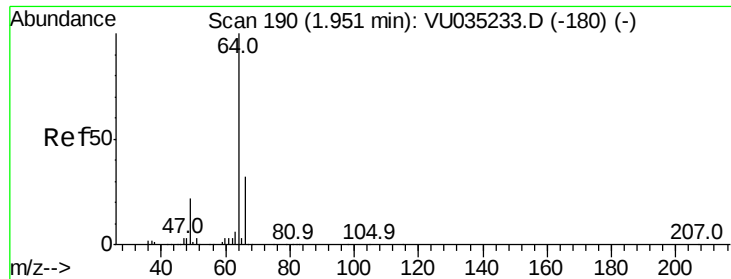
Tgt Ion: 94 Resp: 83245

Ion Ratio Lower Upper

94 100

96 92.9 64.6 120.0

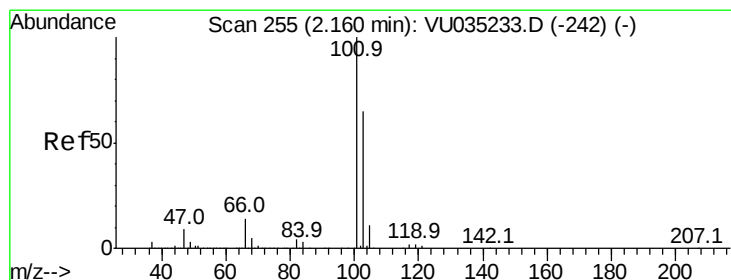
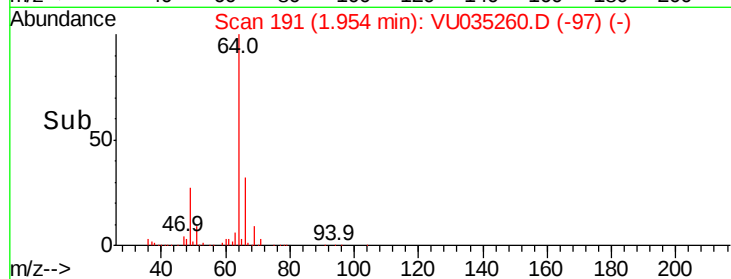
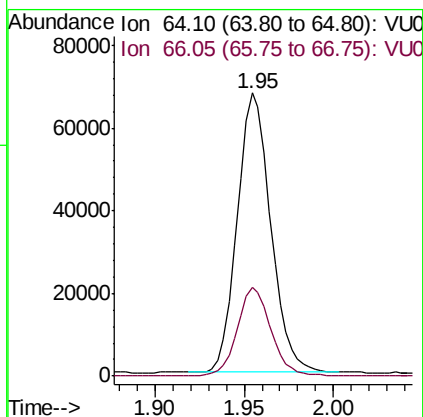
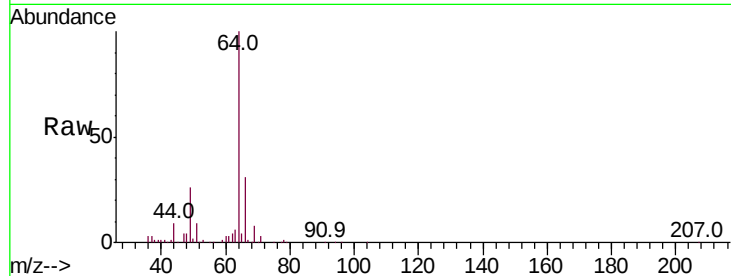




#8
Chloroethane
Concen: 4.596 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

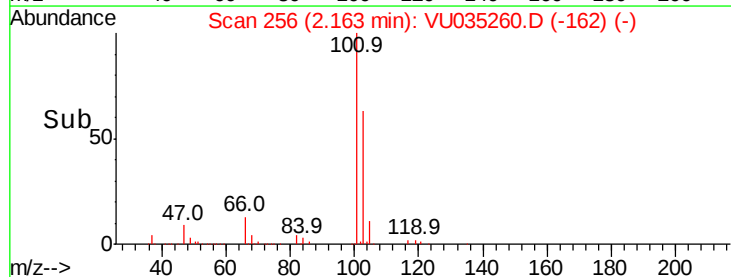
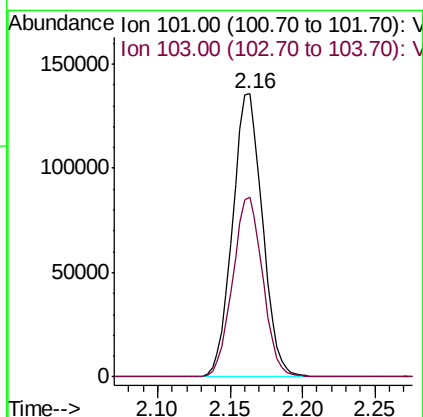
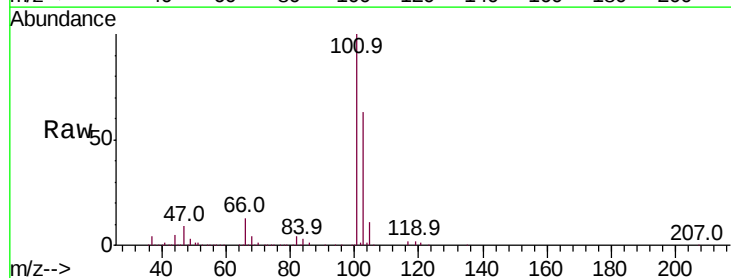
Instrument :
MSVOA_U
ClientSampleId :

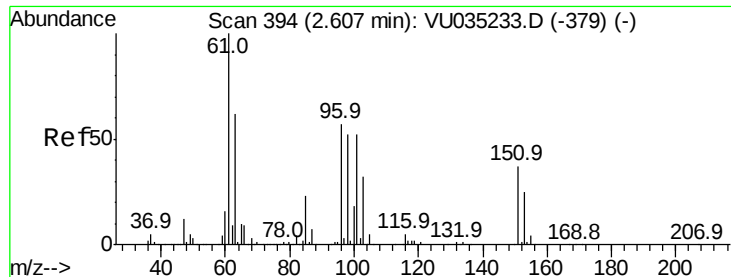
Tot Ion: 64 Resp: 88070
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.910 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Tgt Ion:101 Resp: 194815
Ion Ratio Lower Upper
101 100
103 63.7 51.9 77.9





#10

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

Concen: 4.780 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

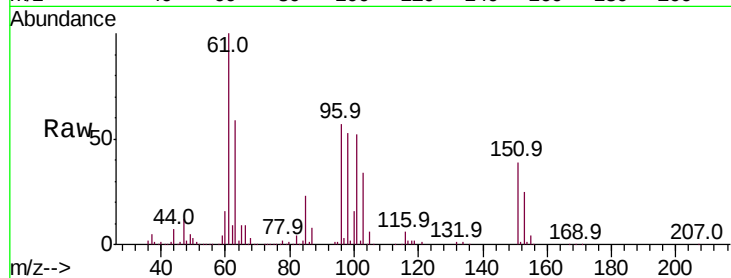
Tot Ion:101 Resp: 109268

Ion Ratio Lower Upper

101 100

85 43.3 33.9 50.9

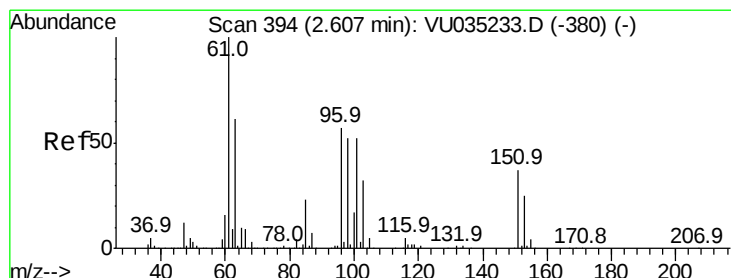
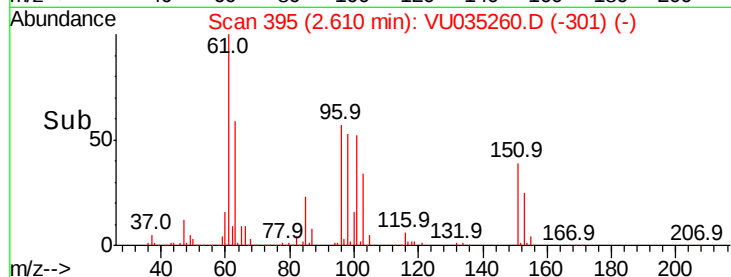
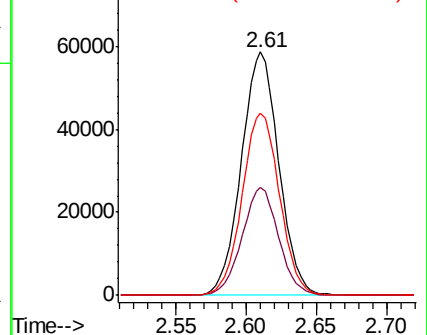
151 74.8 61.0 91.4



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: 4.731 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

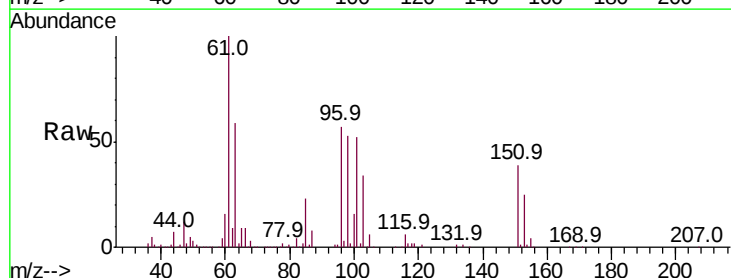
Tgt Ion: 96 Resp: 104191

Ion Ratio Lower Upper

96 100

61 174.1 120.6 224.0

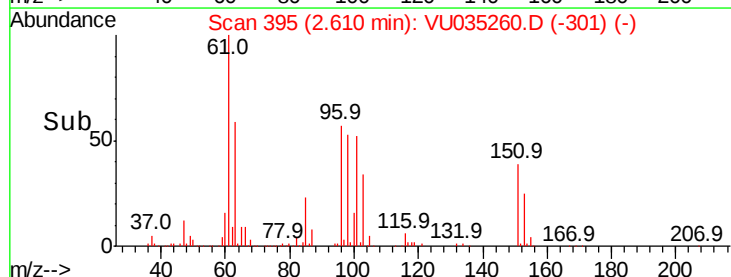
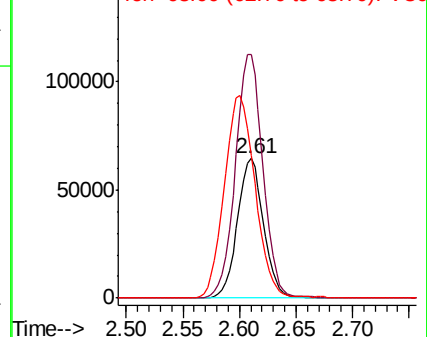
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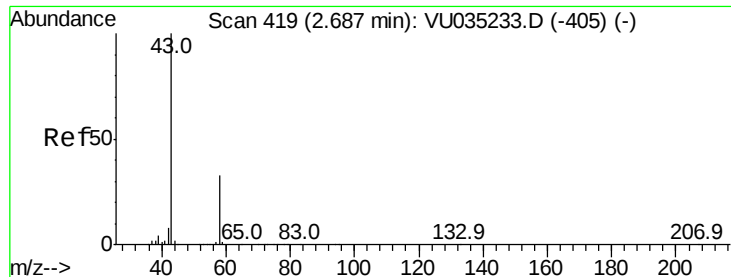


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 43.993 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

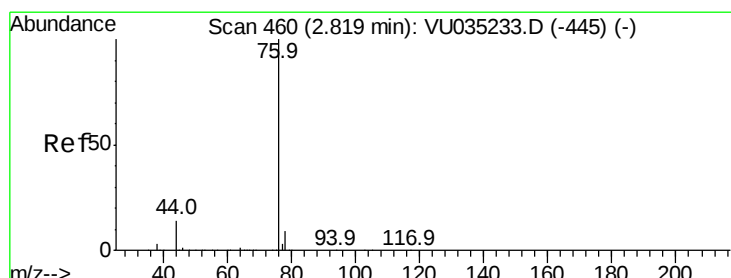
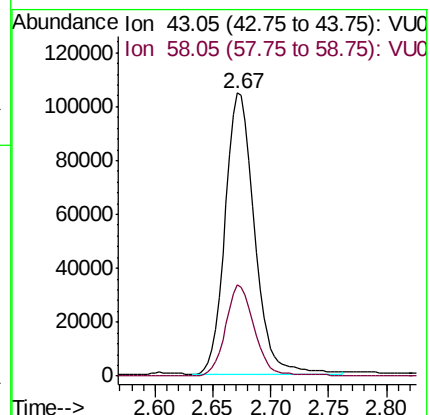
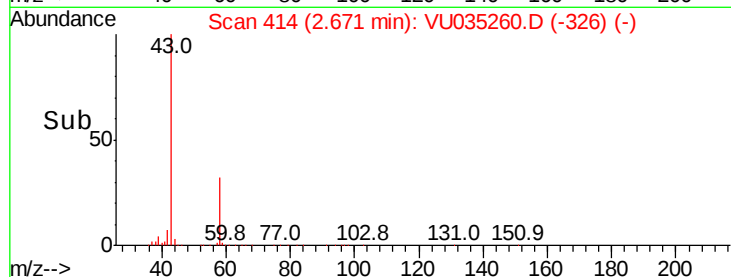
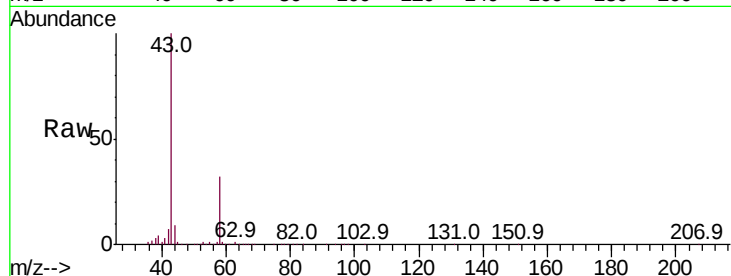
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 183806

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.8



#14

Carbon disulfide

Concen: 4.705 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035260.D

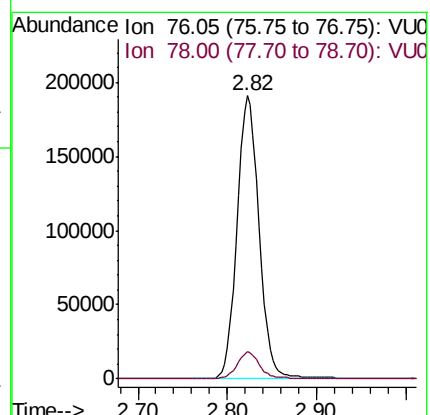
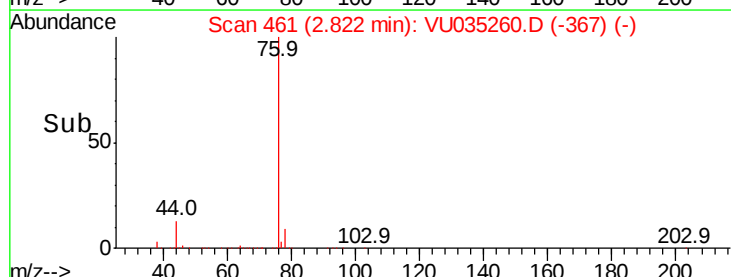
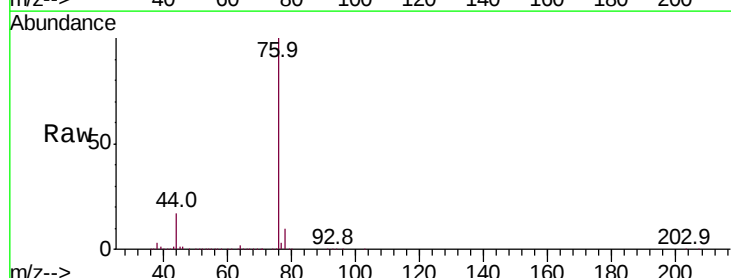
Acq: 18 Oct 2019 11:27

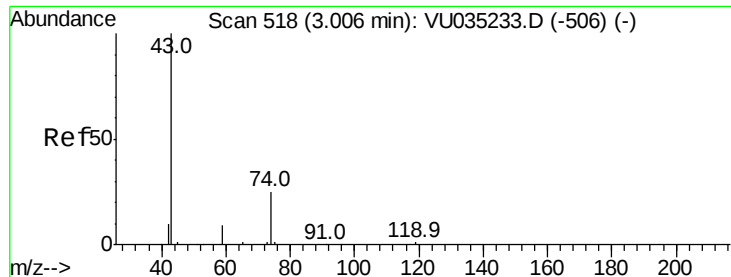
Tgt Ion: 76 Resp: 327617

Ion Ratio Lower Upper

76 100

78 9.6 7.6 11.4





#15

Methvl Acetate

Concen: 4.097 ug/L

RT: 3.00 min Scan# 516

Delta R.T. -0.01 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

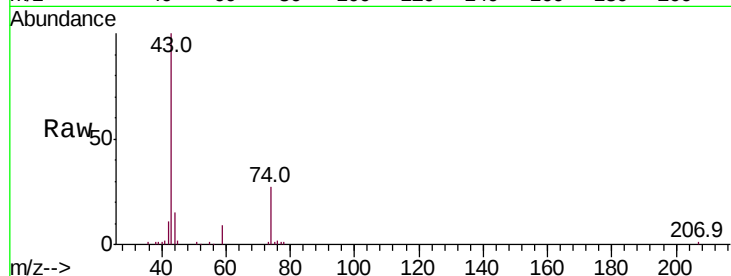
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 42653

Ion Ratio Lower Upper

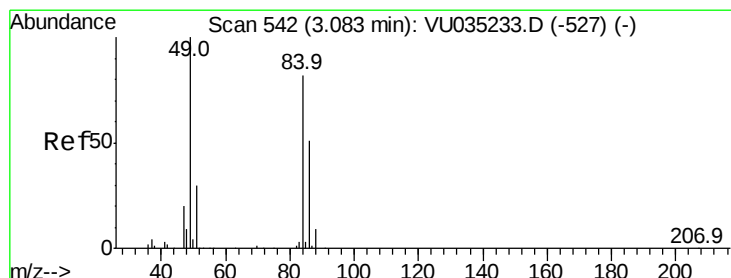
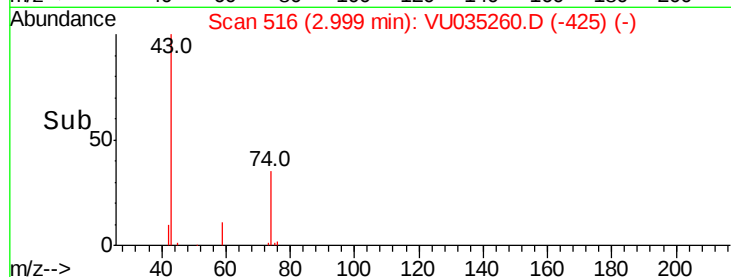
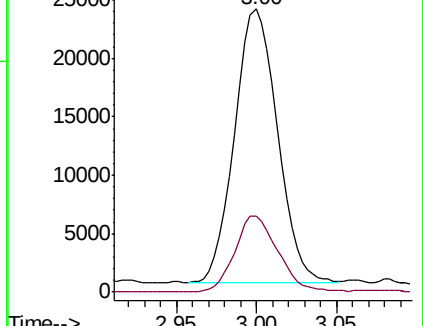
43 100

74 28.3 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VU035233.D (-506) (-)

Ion 74.05 (73.75 to 74.75): VU035233.D (-506) (-)



#16

Methylene chloride

Concen: 4.466 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

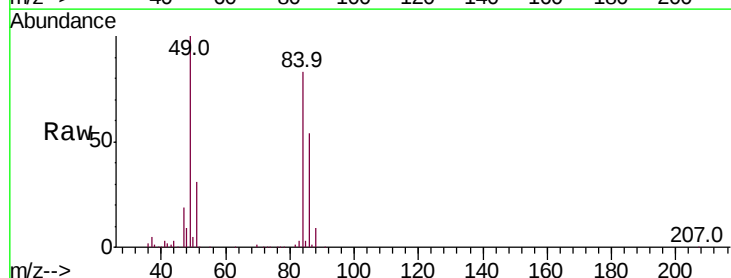
Tgt Ion: 84 Resp: 118321

Ion Ratio Lower Upper

84 100

86 65.0 45.4 84.2

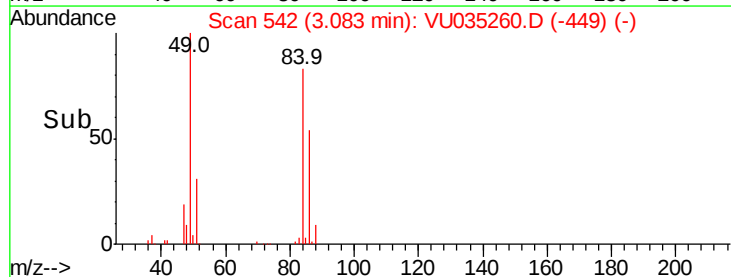
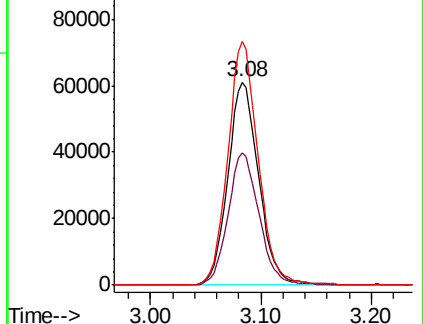
49 120.1 86.8 161.2

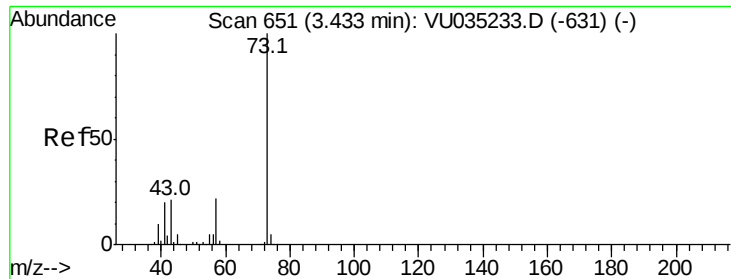


Abundance Ion 84.05 (83.75 to 84.75): VU035233.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035233.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035233.D (-527) (-)





#17

Methvl tert-butvl Ether

Concen: 4.633 ug/L

RT: 3.43 min Scan# 650

Delta R.T. -0.00 min

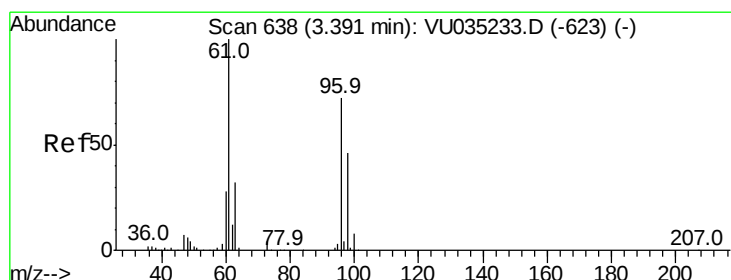
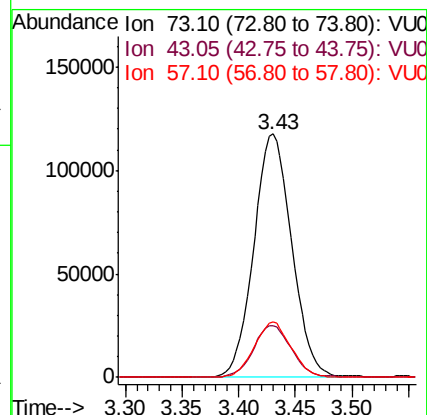
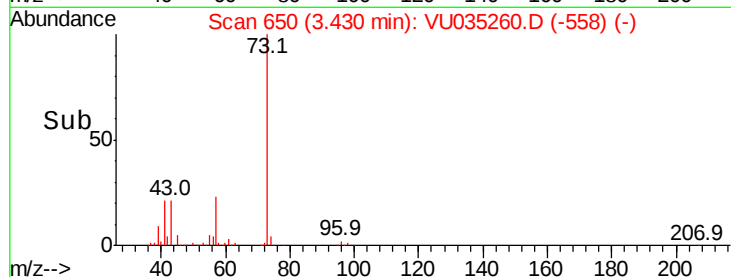
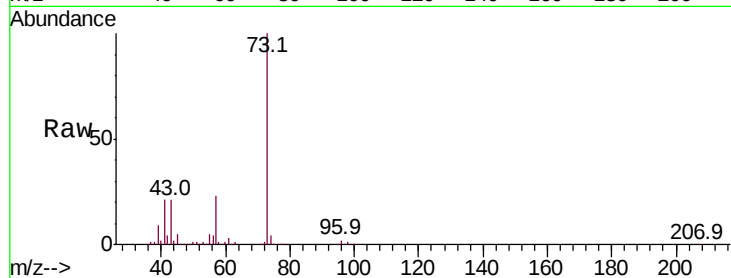
Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 274605

Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.0	24.0
57	22.1	17.4	26.2



#18

trans-1,2-Dichloroethene

Concen: 4.806 ug/L

RT: 3.39 min Scan# 639

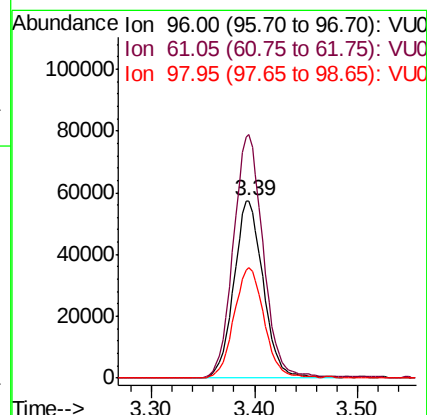
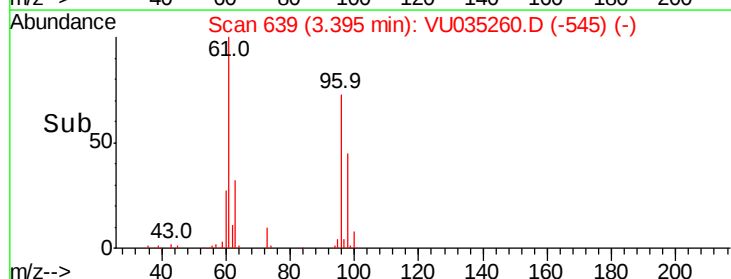
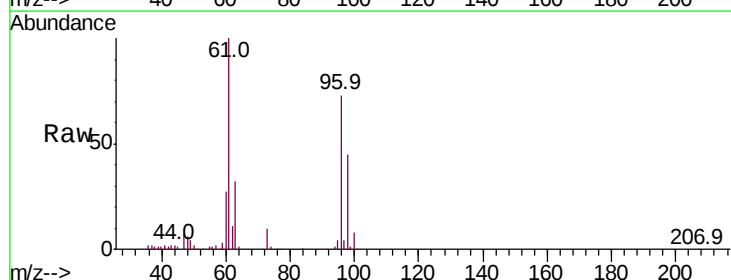
Delta R.T. 0.00 min

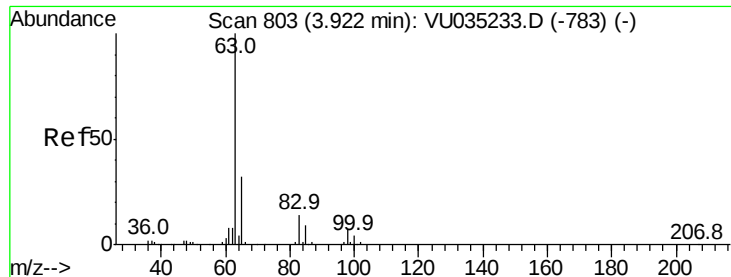
Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Tgt Ion: 96 Resp: 114216

Ion	Ratio	Lower	Upper
96	100		
61	137.2	93.0	172.6
98	62.3	43.7	81.1

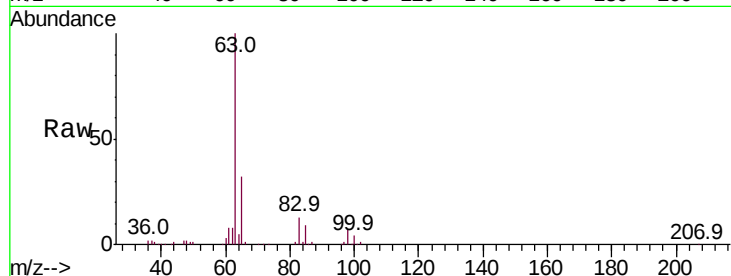




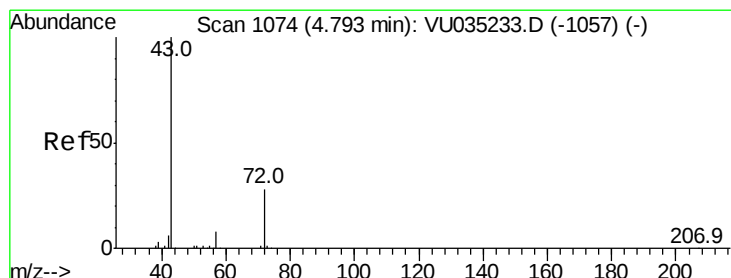
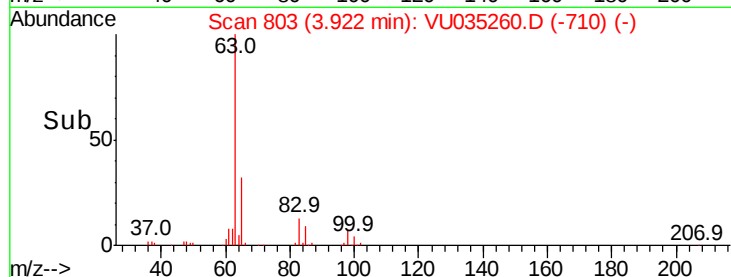
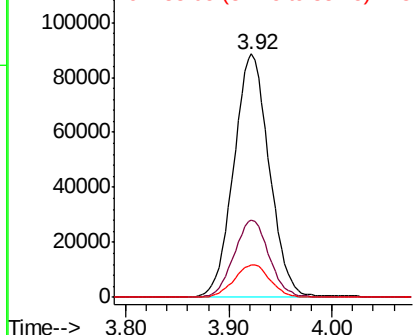
#19
 1,1-Dichloroethane
 Concen: 4.938 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.4	41.6
83	13.2	9.3	17.3

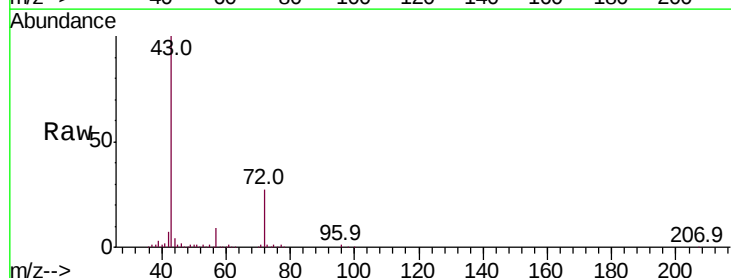


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

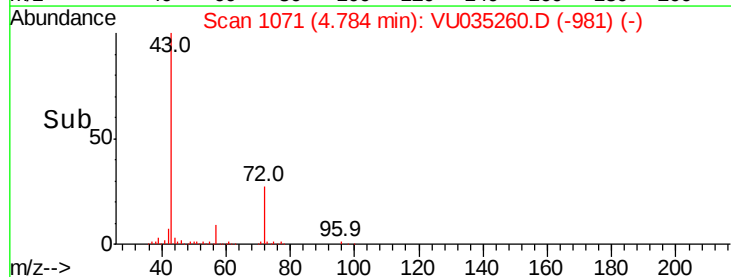
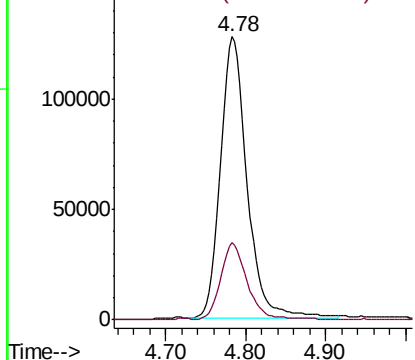


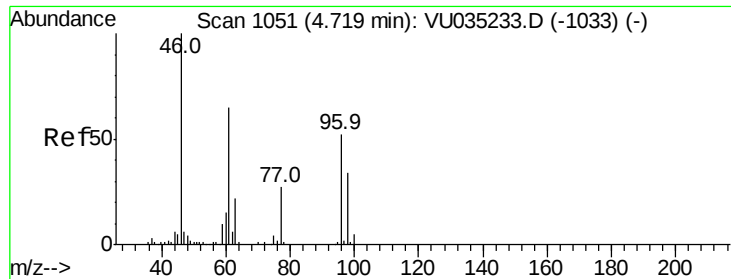
#21
 2-Butanone
 Concen: 42.914 ug/L
 RT: 4.78 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.6	13.6	40.8



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

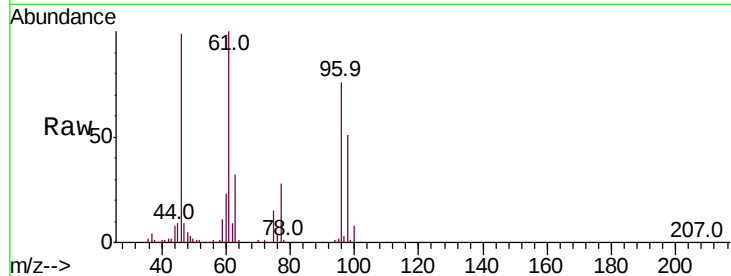




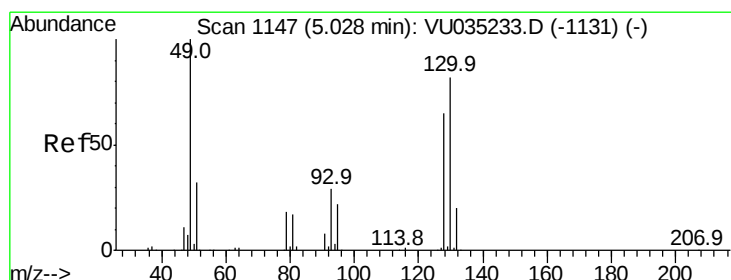
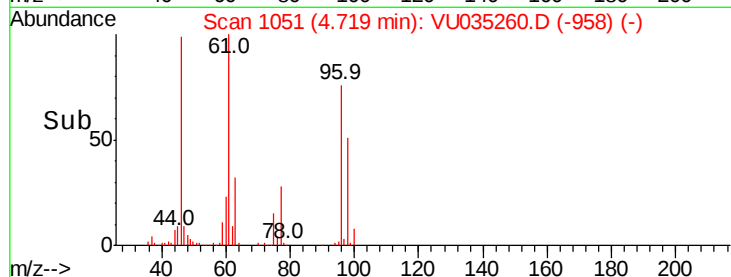
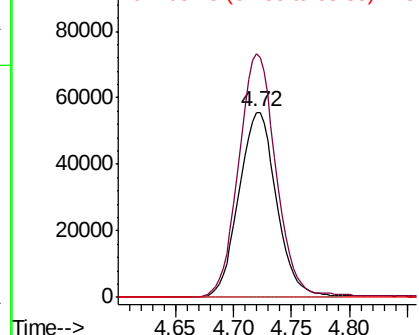
#22
 cis-1,2-Dichloroethene
 Concen: 4.791 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 125848
 Ion Ratio Lower Upper
 96 100
 61 131.8 89.7 166.5
 68 0.0 0.0 0.0

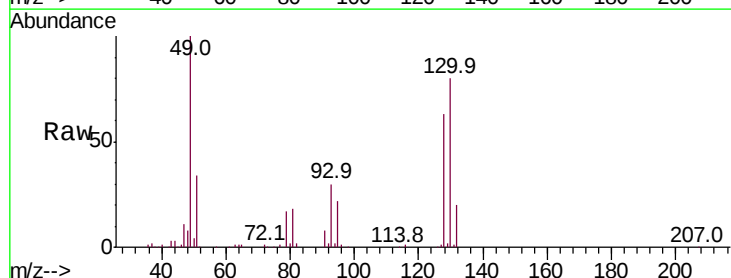


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

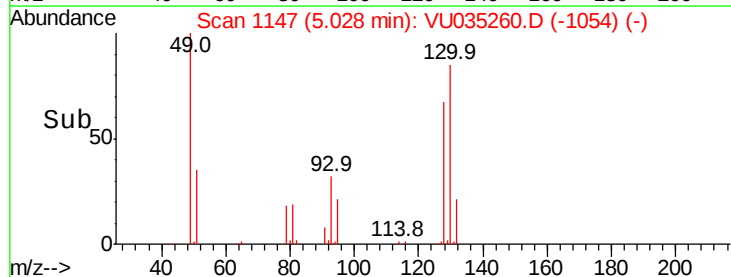
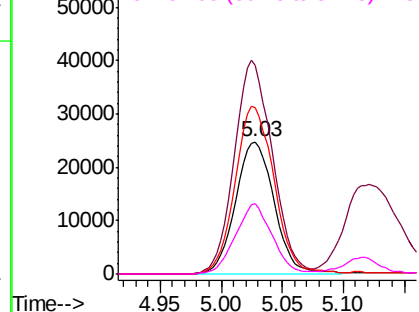


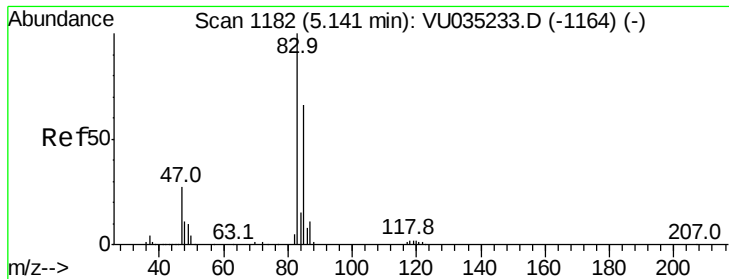
#23
 Bromochloromethane
 Concen: 4.828 ug/L
 RT: 5.03 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 128 Resp: 54596
 Ion Ratio Lower Upper
 128 100
 49 157.5 109.3 203.1
 130 126.0 88.7 164.7
 51 53.7 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: 4.632 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

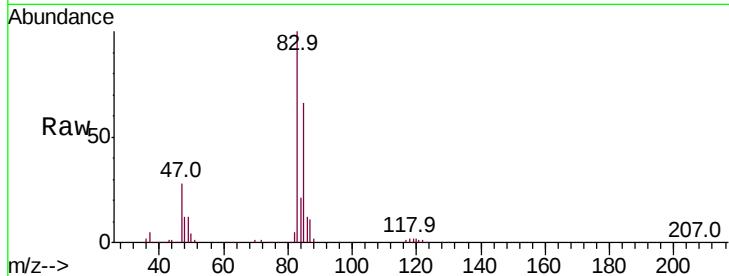
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 218412

Ion Ratio Lower Upper

83 100

85 66.4 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035233.D (-1164) (-)

Ion 85.00 (84.70 to 85.70): VU035233.D (-1164) (-)

5.14

100000

80000

60000

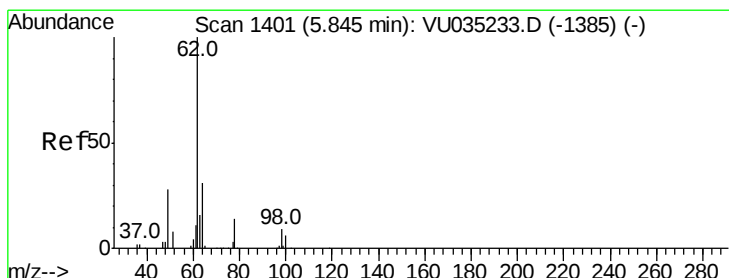
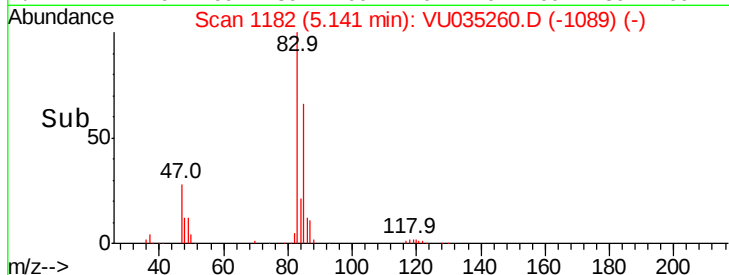
40000

20000

0

5.10 5.20

Time-->



#27

1,2-Dichloroethane

Concen: 4.723 ug/L

RT: 5.84 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VU035260.D

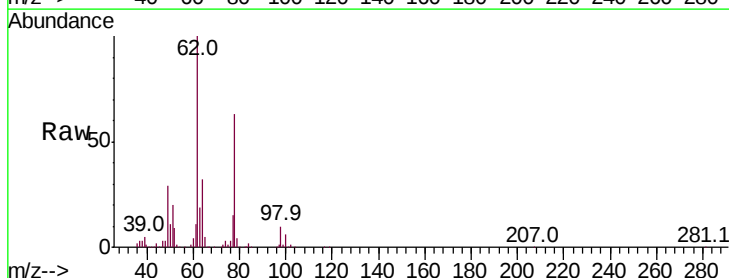
Acq: 18 Oct 2019 11:27

Tgt Ion: 62 Resp: 136598

Ion Ratio Lower Upper

62 100

98 10.0 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035233.D (-1385) (-)

Ion 98.05 (97.75 to 98.75): VU035233.D (-1385) (-)

5.84

80000

60000

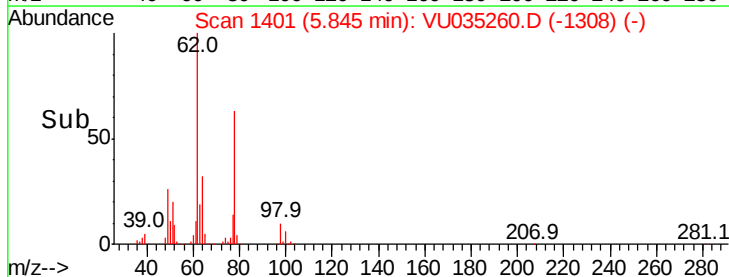
40000

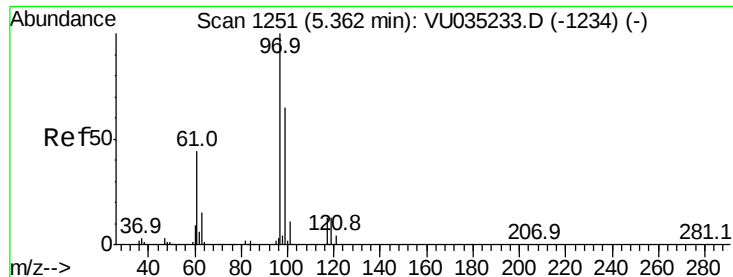
20000

0

5.75 5.80 5.85 5.90 5.95

Time-->

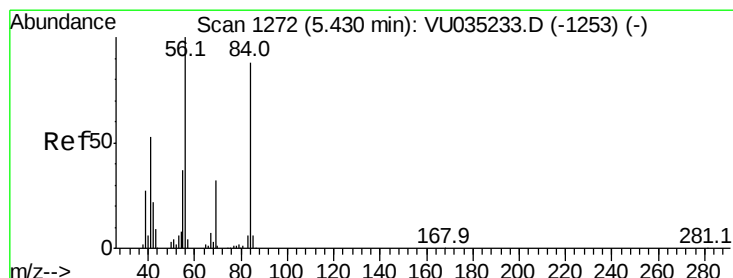
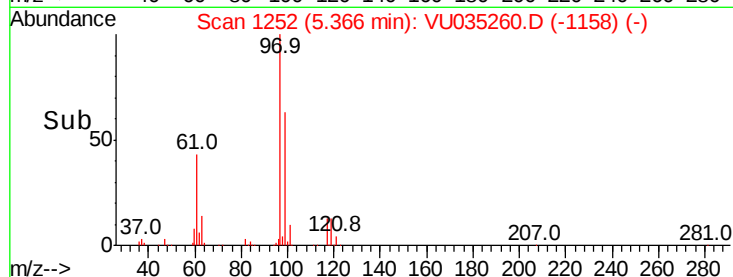
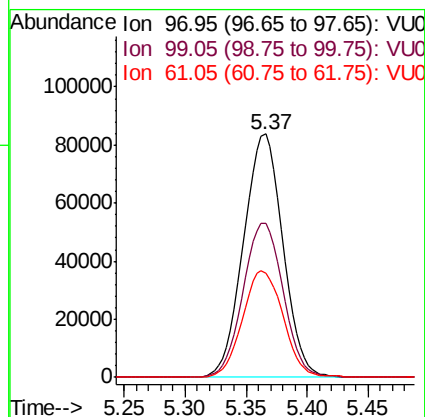
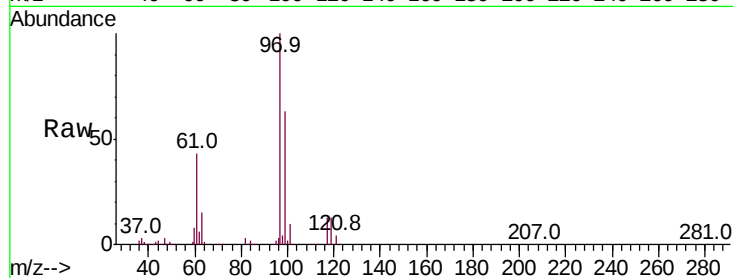




#29
 1,1,1-Trichloroethane
 Concen: 4.896 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

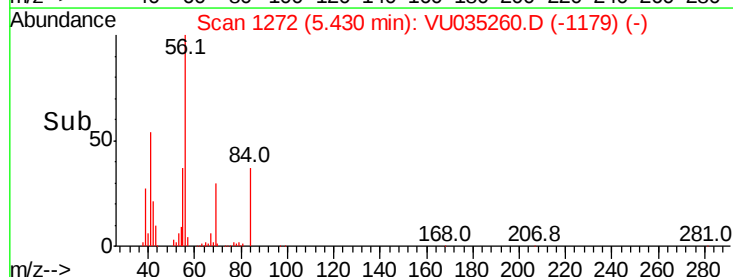
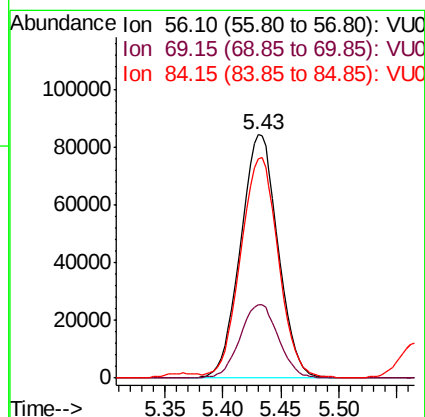
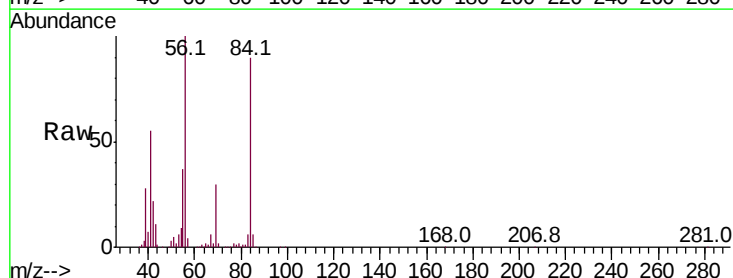
Instrument :
 MSVOA_U
 ClientSampleId :

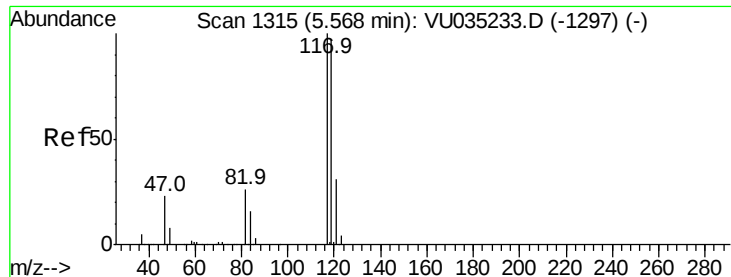
Tot Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.6	79.0
61	45.3	37.0	55.4



#30
 Cyclohexane
 Concen: 4.644 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.6	36.8
84	91.4	71.5	107.3





#31

Carbon tetrachloride

Concen: 4.801 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

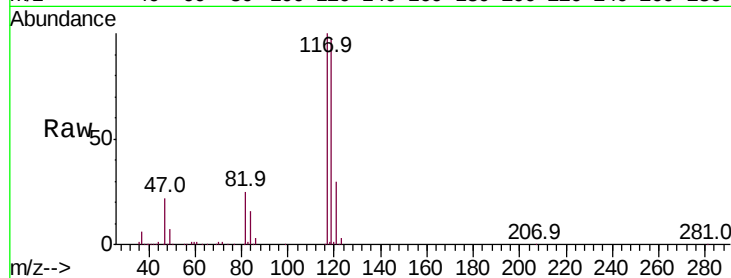
ClientSampleId :

Tot Ion:117 Resp: 165105

Ion Ratio Lower Upper

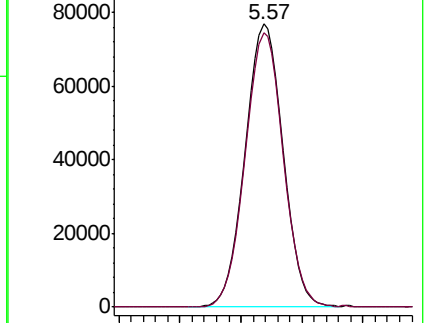
117 100

119 97.3 77.4 116.0

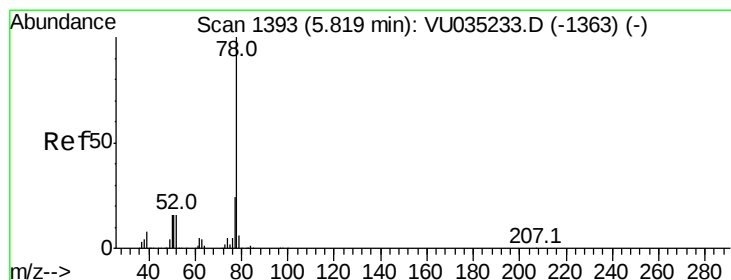
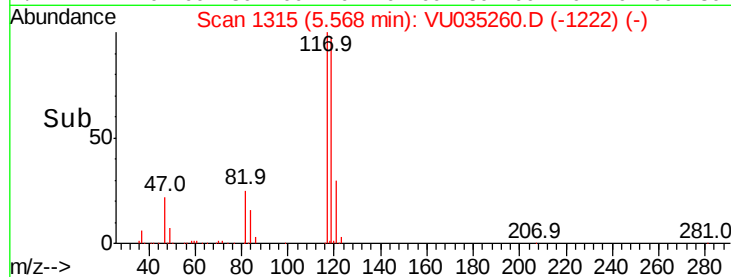


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.926 ug/L

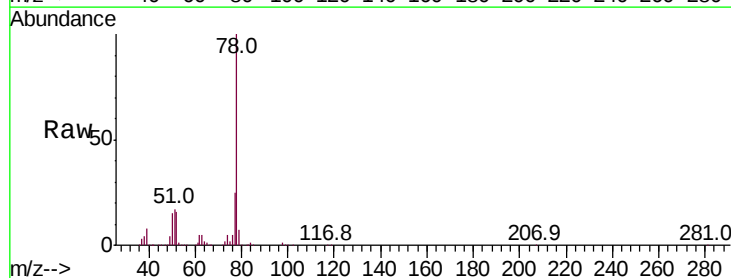
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

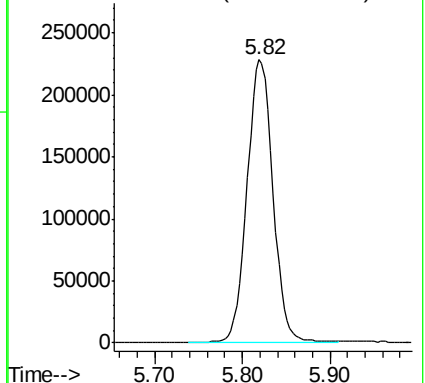
Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

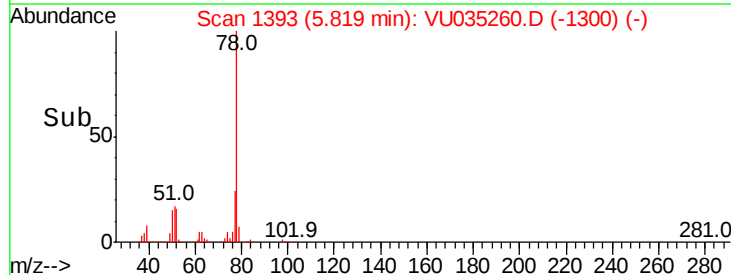
Tgt Ion: 78 Resp: 472608

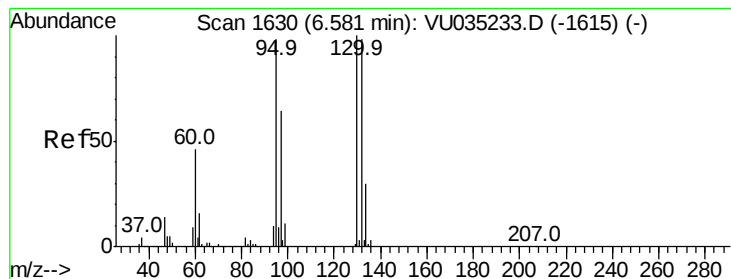


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.770 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 123027

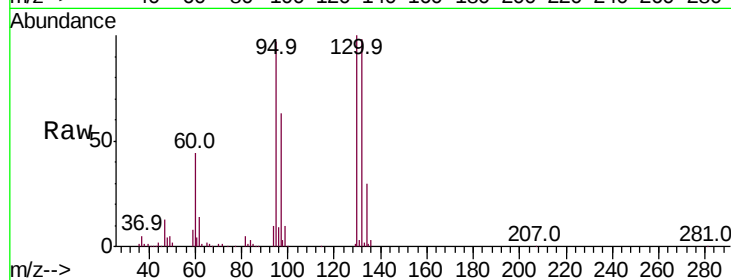
Ion Ratio Lower Upper

95 100

97 65.3 46.6 86.6

132 101.8 68.7 127.7

130 103.5 73.9 137.3

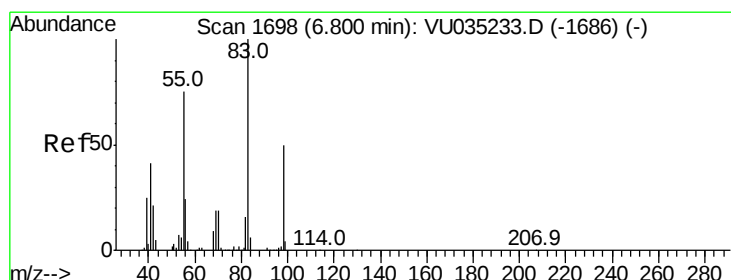
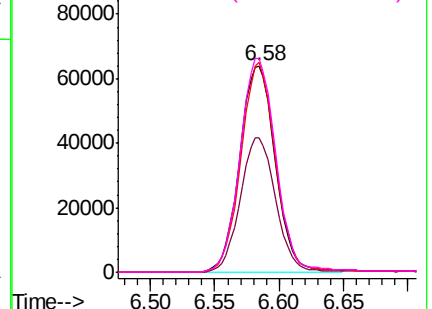
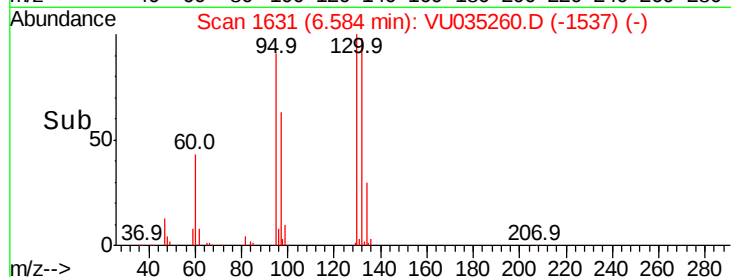


Abundance Ion 95.00 (94.70 to 95.70): VU035260.D (-1630) (-)

Ion 96.95 (96.65 to 97.65): VU035260.D (-1630) (-)

Ion 131.95 (131.65 to 132.65): VU035260.D (-1630) (-)

Ion 129.95 (129.65 to 130.65): VU035260.D (-1630) (-)



#35

Methylcyclohexane

Concen: 4.732 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

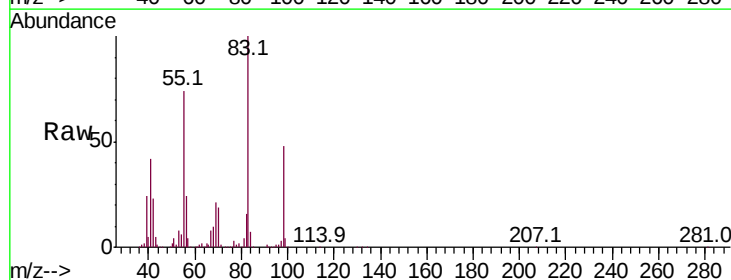
Tgt Ion: 83 Resp: 203989

Ion Ratio Lower Upper

83 100

55 74.2 60.4 90.6

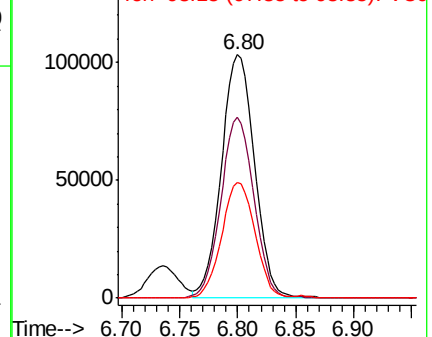
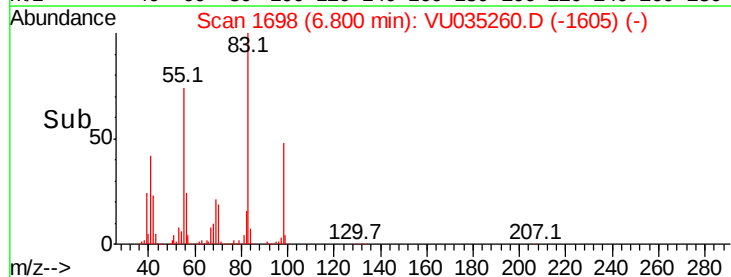
98 47.7 39.5 59.3

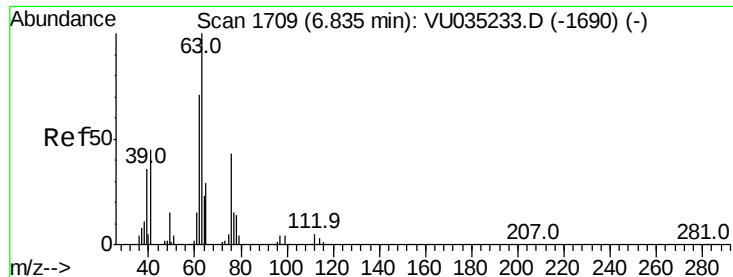


Abundance Ion 83.15 (82.85 to 83.85): VU035260.D (-1697) (-)

Ion 55.10 (54.80 to 55.80): VU035260.D (-1697) (-)

Ion 98.15 (97.85 to 98.85): VU035260.D (-1697) (-)





#37

1,2-Dichloropropane

Concen: 4.935 ug/L

RT: 6.84 min Scan# 1709

Delta R.T. 0.00 min

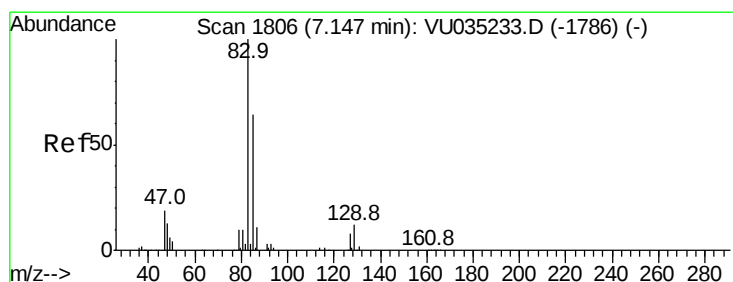
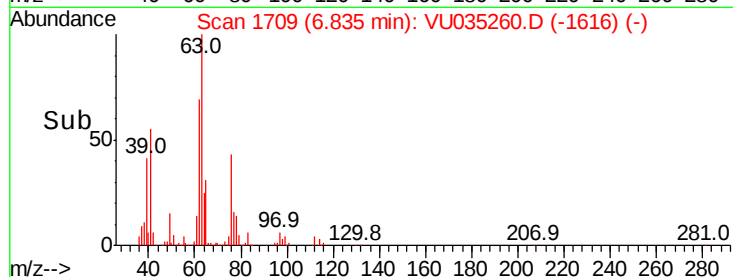
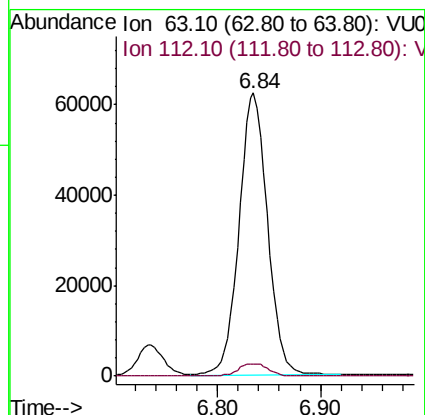
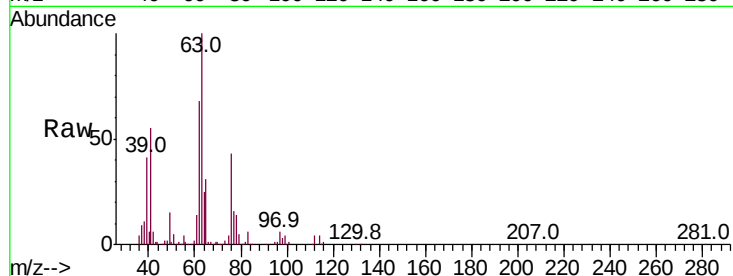
Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 120196

Ion	Ratio	Lower	Upper
63	100		
112	4.6	3.7	5.5



#38

Bromodichloromethane

Concen: 4.795 ug/L

RT: 7.15 min Scan# 1806

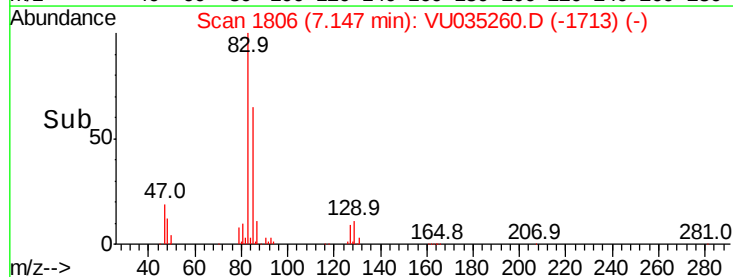
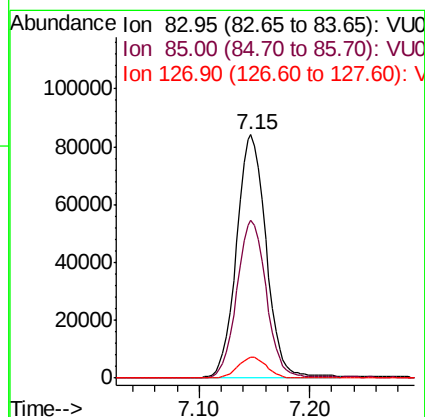
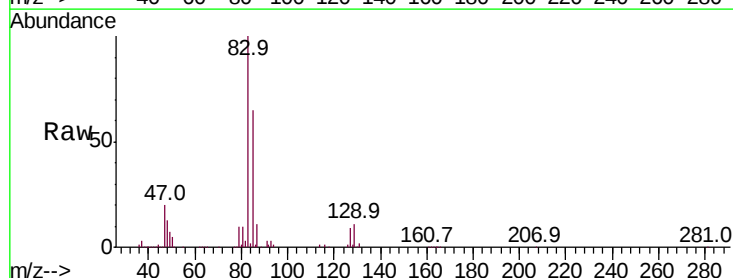
Delta R.T. 0.00 min

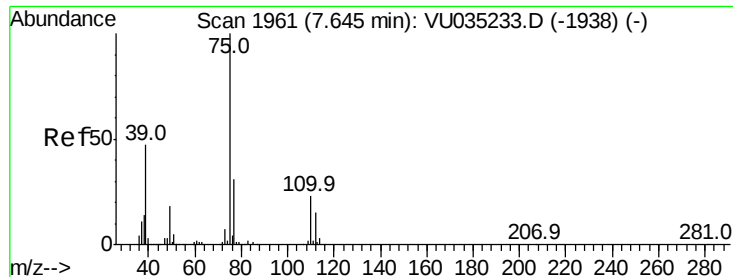
Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Tgt Ion: 83 Resp: 157348

Ion	Ratio	Lower	Upper
83	100		
85	64.9	45.6	84.8
127	8.7	6.9	10.3

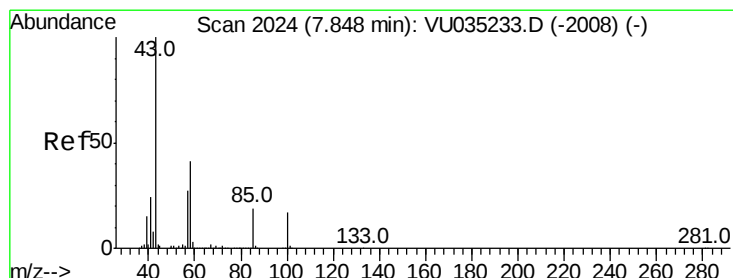
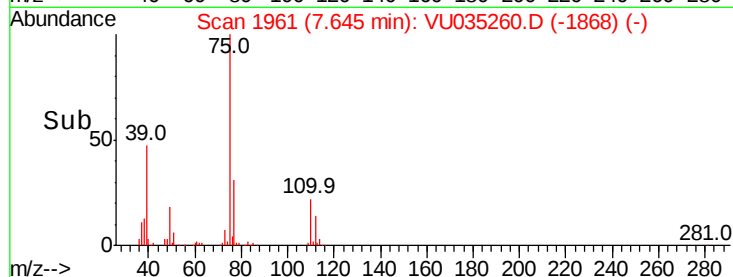
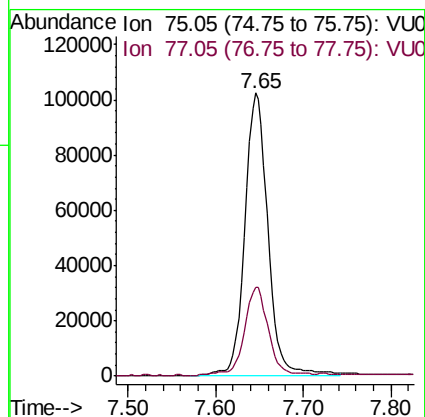
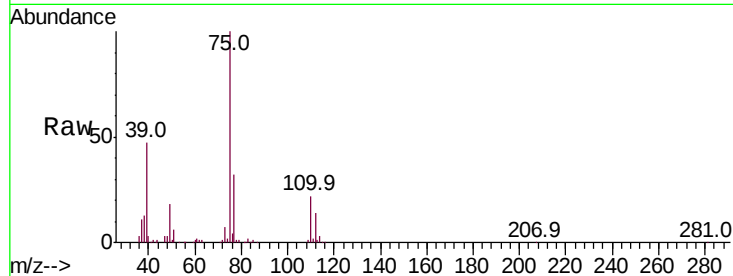




#39
 cis-1,3-Dichloropropene
 Concen: 4.648 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

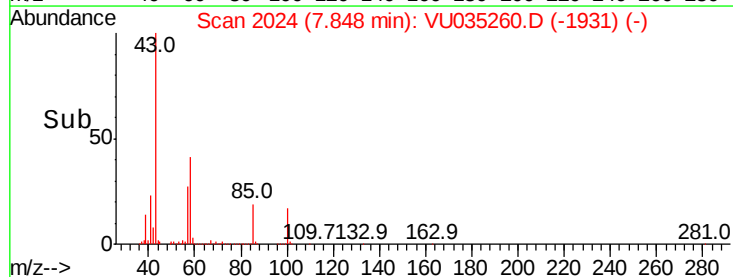
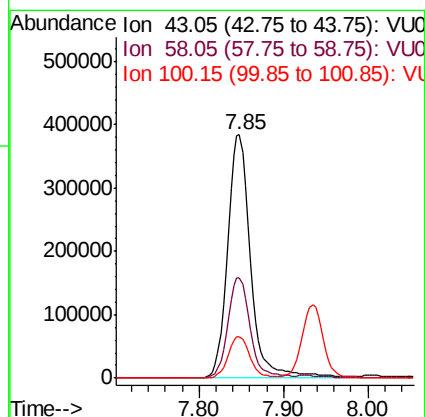
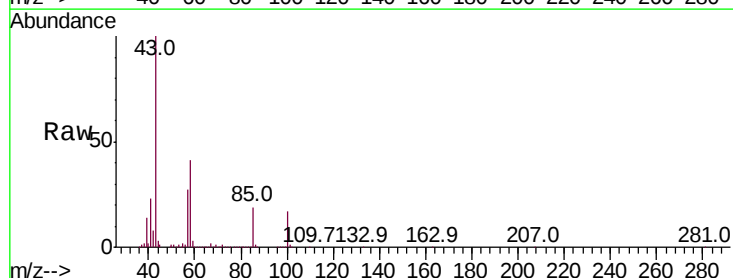
Instrument :
 MSVOA_U
 ClientSampled :

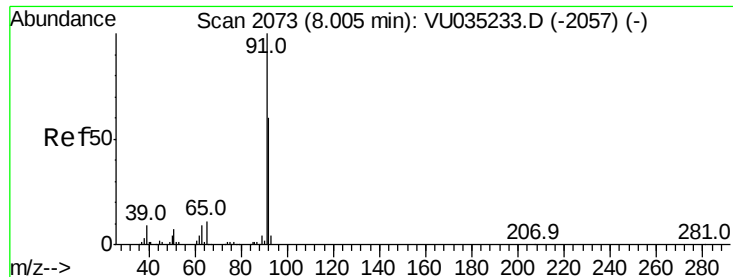
Tot Ion: 75 Resp: 189495
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 44.153 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 43 Resp: 725940
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.3 48.5
 100 16.2 13.4 20.2





#42

Toluene

Concen: 4.885 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

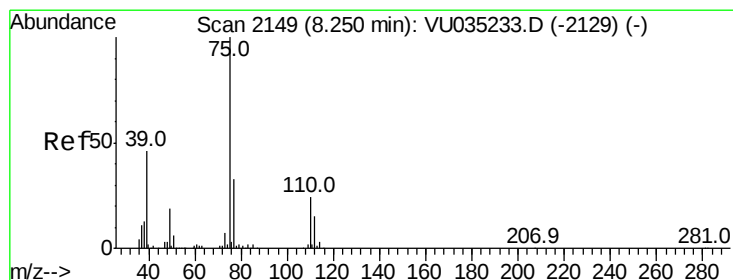
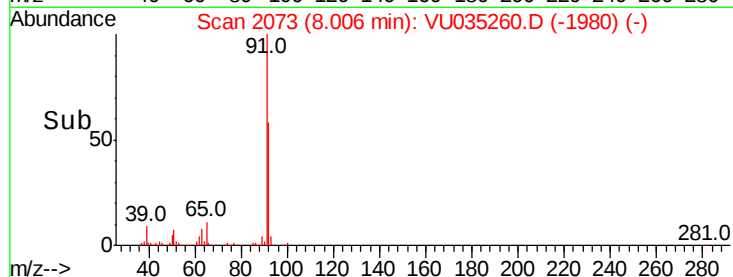
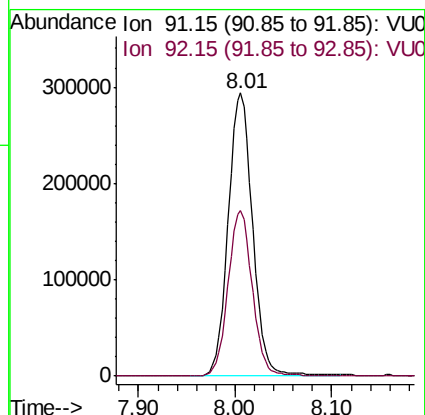
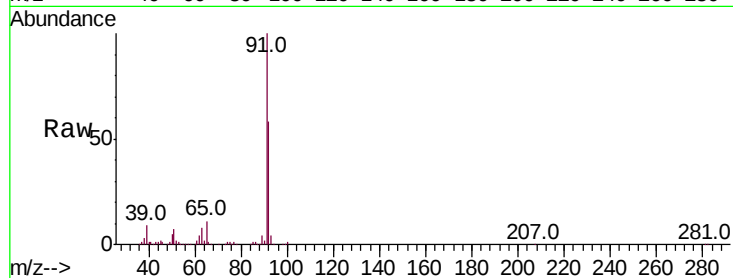
ClientSampleId :

Tot Ion: 91 Resp: 517318

Ion Ratio Lower Upper

91 100

92 58.3 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.490 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035260.D

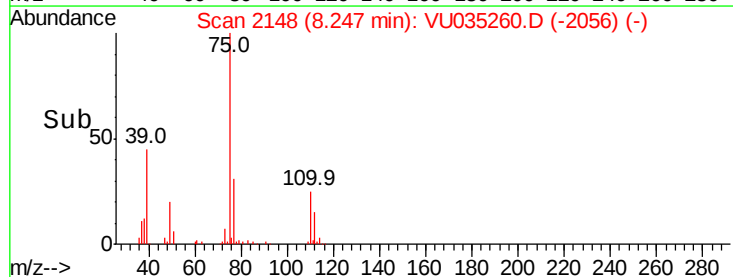
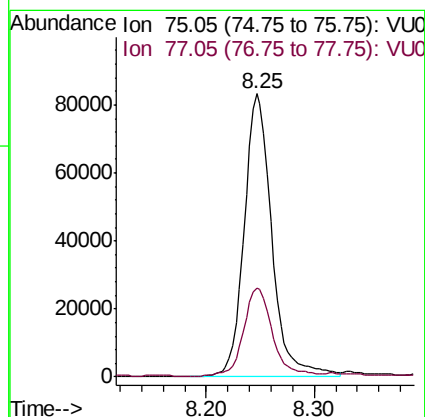
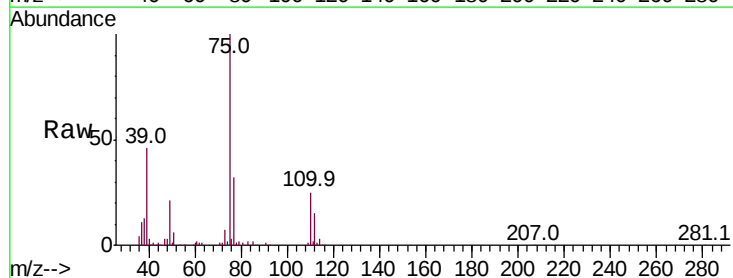
Acq: 18 Oct 2019 11:27

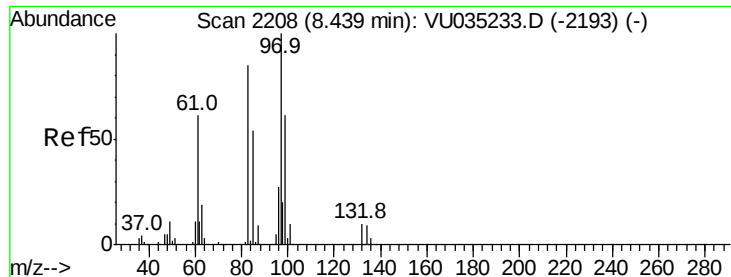
Tgt Ion: 75 Resp: 149586

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.8

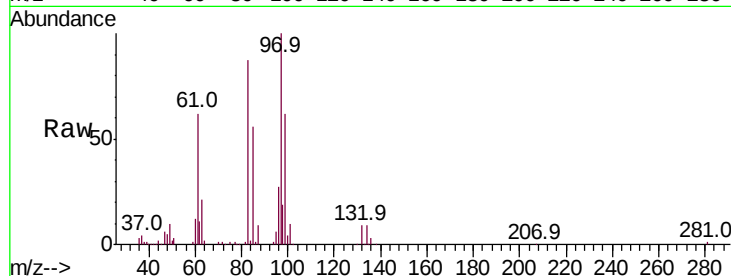




#45
1,1,2-Trichloroethane
Concen: 4.810 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	86979
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.9	79.7
83	87.0	60.4	112.2
85	56.0	38.4	71.2



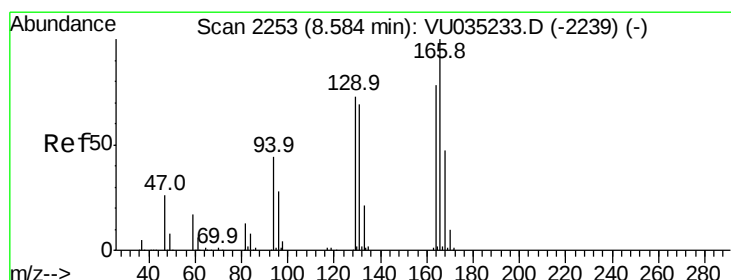
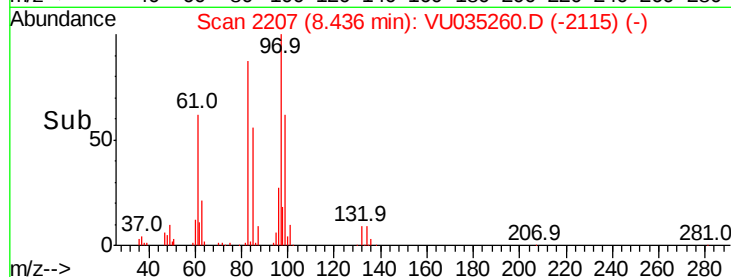
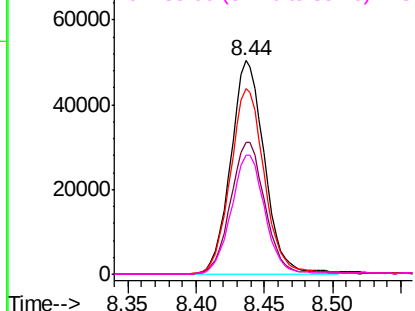
Abundance

Ion 96.95 (96.65 to 97.65): VU035233.D (-2193) (-)

Ion 99.05 (98.75 to 99.75): VU035233.D (-2193) (-)

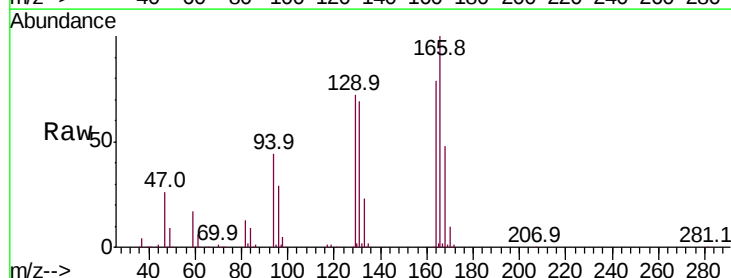
Ion 82.95 (82.65 to 83.65): VU035233.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035233.D (-2193) (-)



#47
Tetrachloroethene
Concen: 4.762 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Tgt Ion:	164	Resp:	102333
Ion	Ratio	Lower	Upper
164	100		
129	91.1	65.2	121.0
131	86.8	62.9	116.9
166	126.1	91.5	169.9



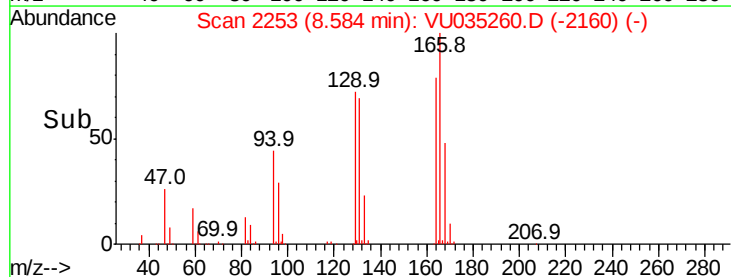
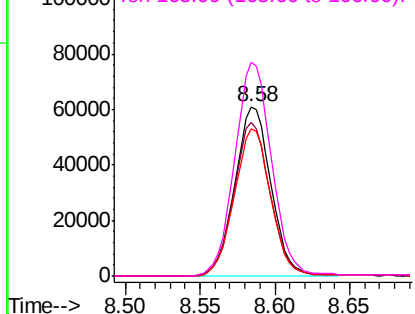
Abundance

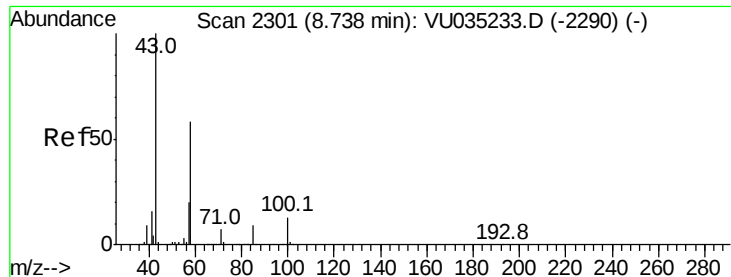
Ion 163.90 (163.60 to 164.60): VU035233.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035233.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035233.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035233.D (-2239) (-)

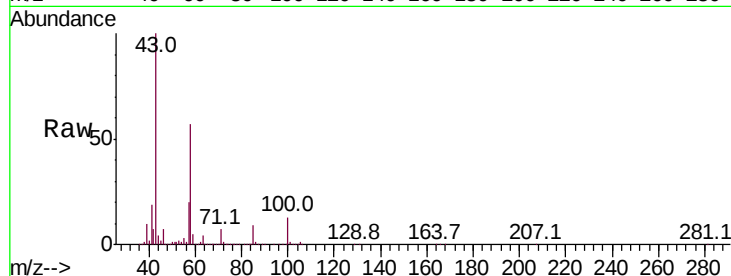




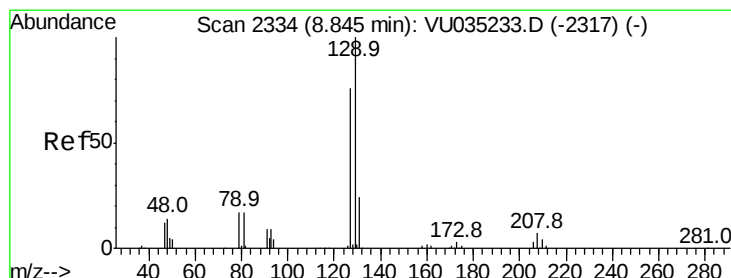
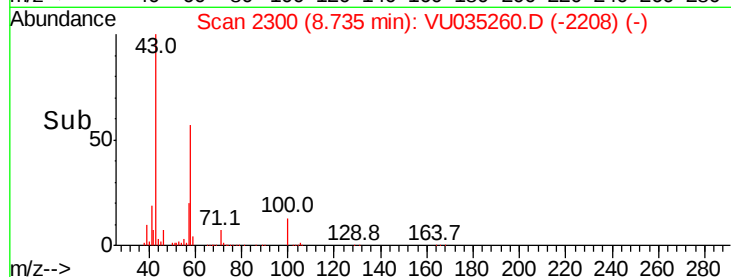
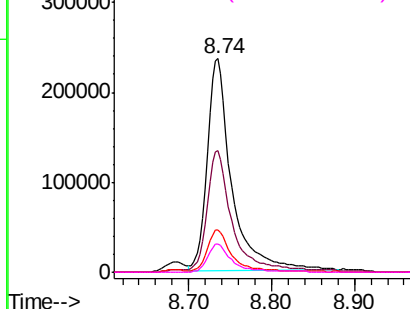
#48
2-Hexanone
Concen: 42.382 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 488683
Ion Ratio Lower Upper
43 100
58 61.1 45.1 67.7
57 19.4 16.0 24.0
100 13.4 10.4 15.6

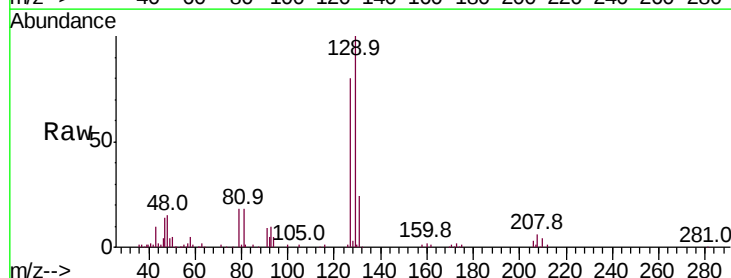


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

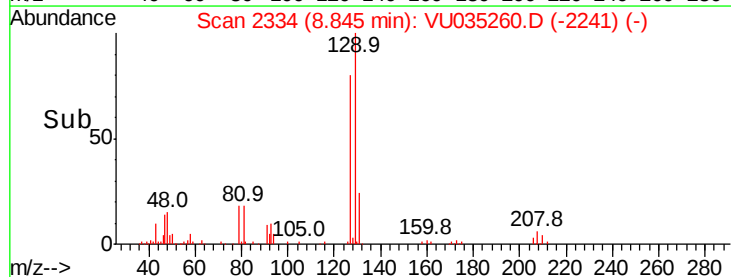
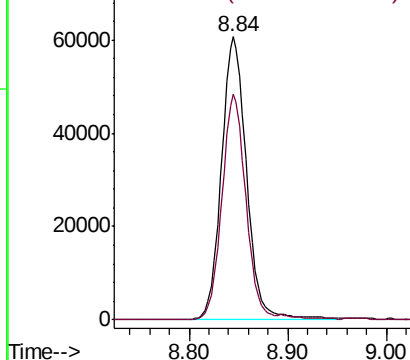


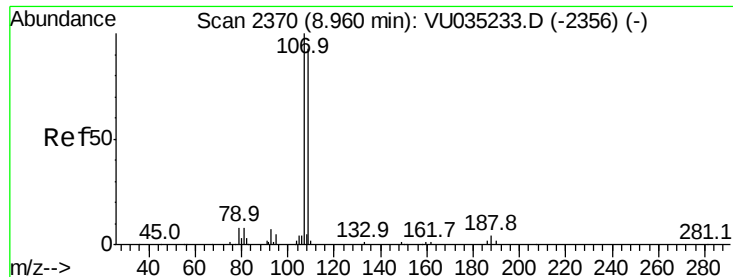
#49
Dibromochloromethane
Concen: 4.748 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Tgt Ion: 129 Resp: 108842
Ion Ratio Lower Upper
129 100
127 79.6 53.8 99.8



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

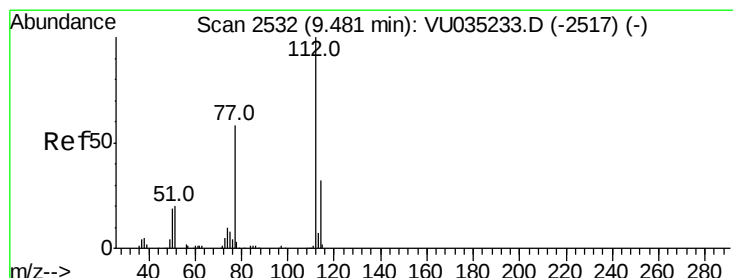
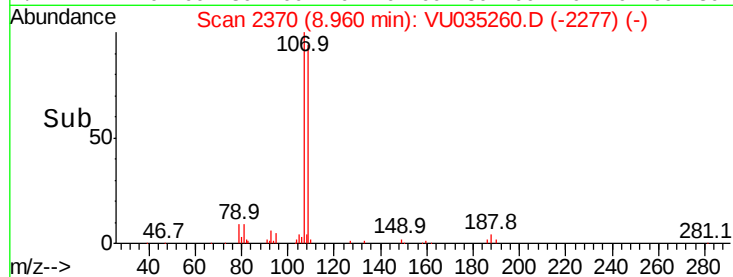
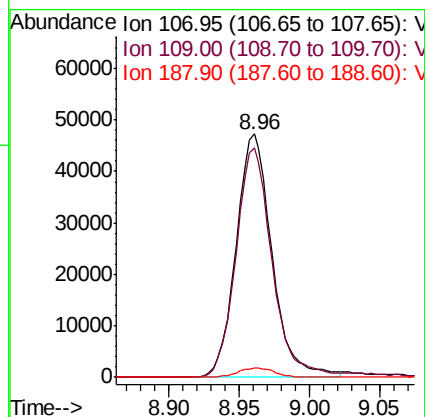
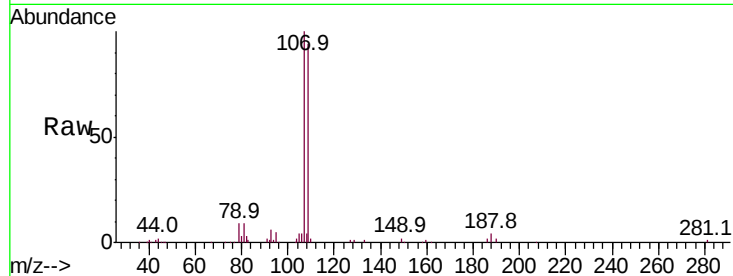




#50
 1,2-Dibromoethane
 Concen: 4.671 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

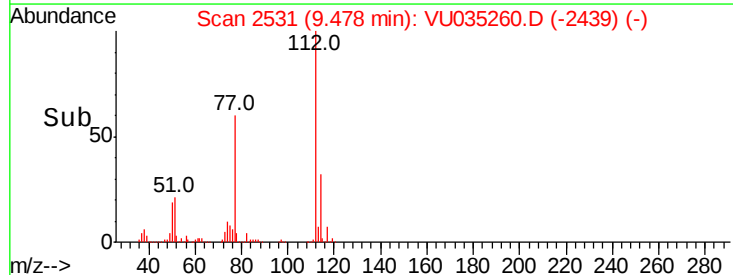
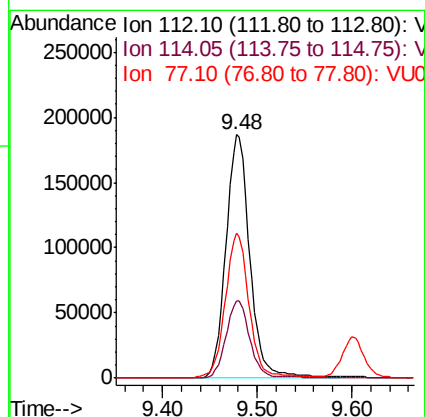
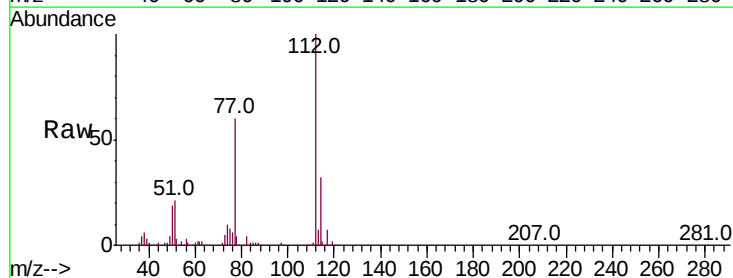
Instrument :
 MSVOA_U
 ClientSampleId :

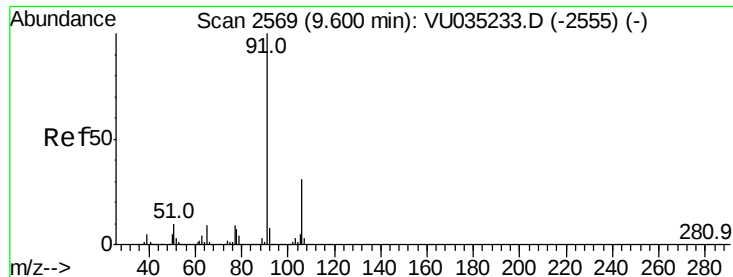
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	66.1	122.8
188	3.8	3.2	4.8



#51
 Chlorobenzene
 Concen: 4.801 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. -0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	23.0	42.8
77	59.7	47.5	71.3





#52

Ethylbenzene

Concen: 4.807 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

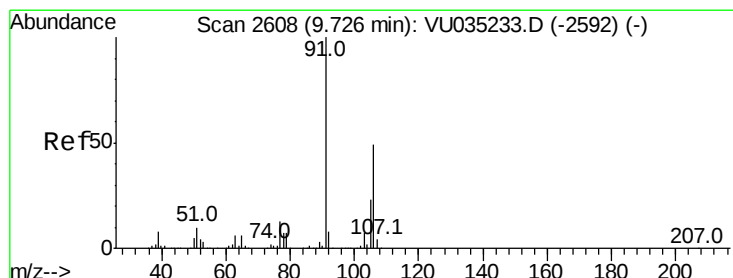
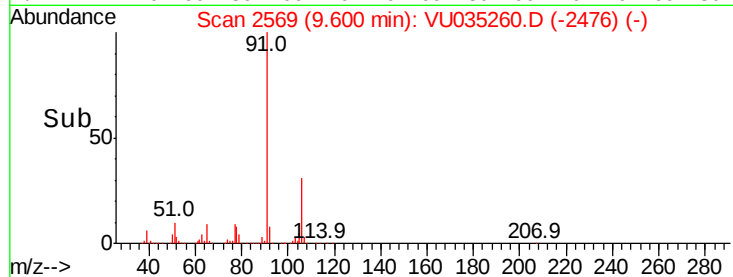
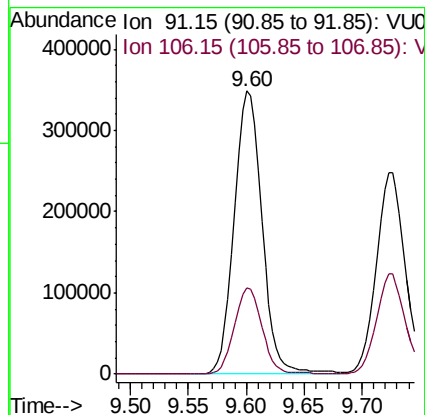
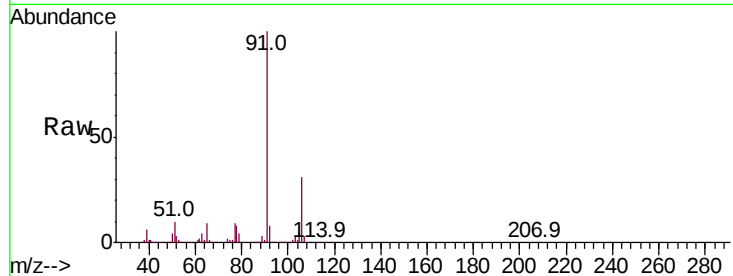
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 578919

Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



#53

m,p-Xylene

Concen: 4.823 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035260.D

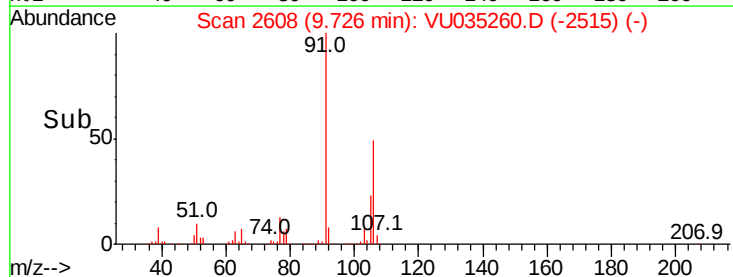
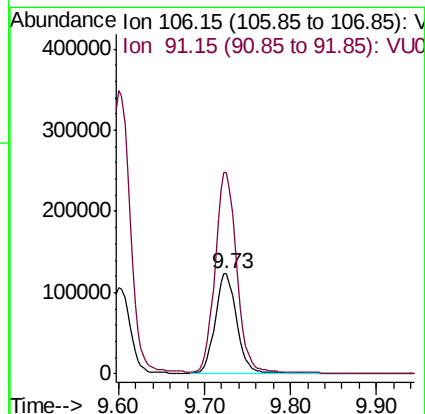
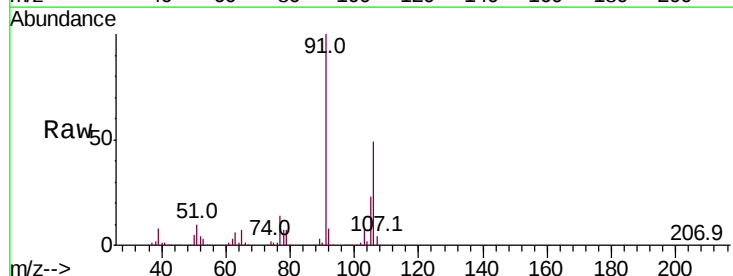
Acq: 18 Oct 2019 11:27

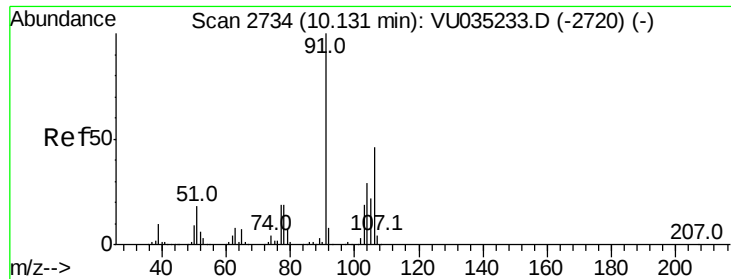
Tgt Ion: 106 Resp: 219339

Ion Ratio Lower Upper

106 100

91 202.0 142.0 263.6

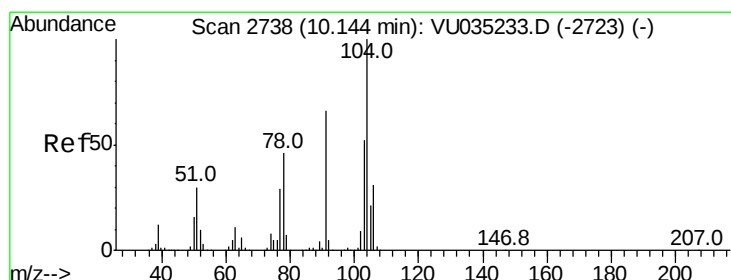
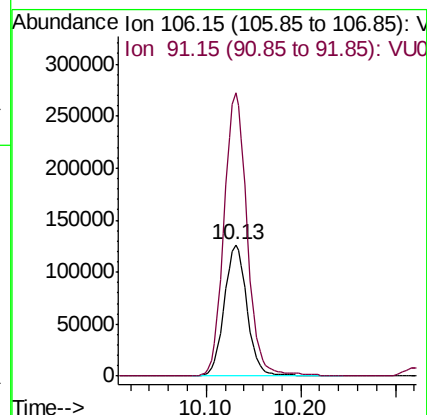
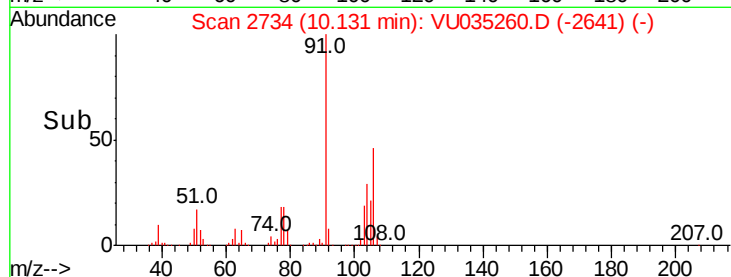
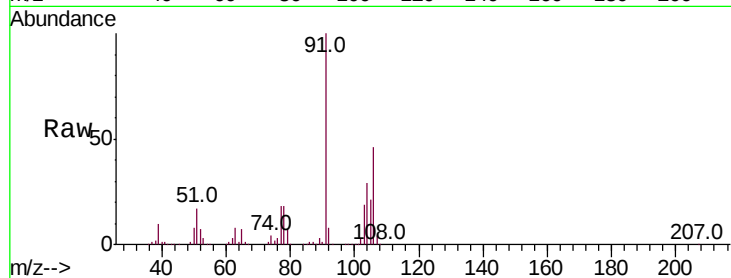




#54
o-Xylene
Concen: 4.779 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

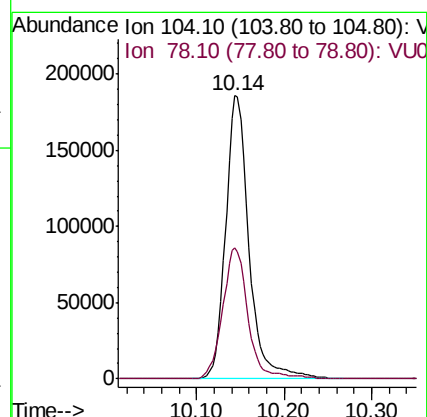
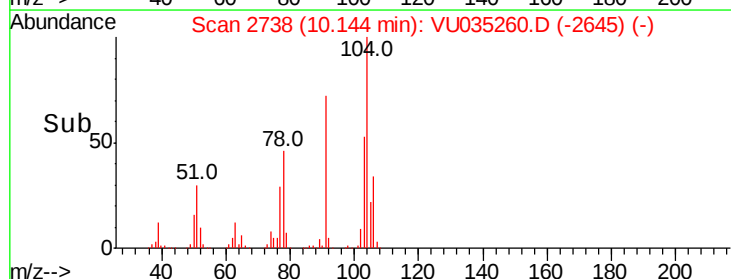
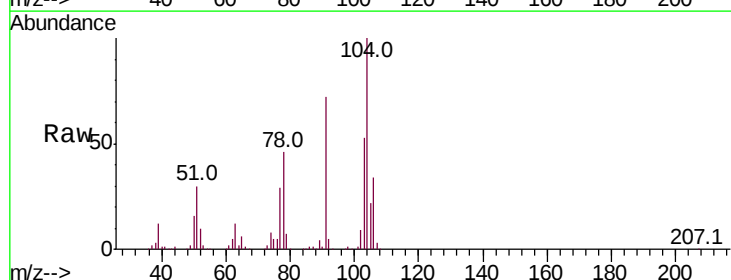
Instrument :
MSVOA_U
ClientSampled :

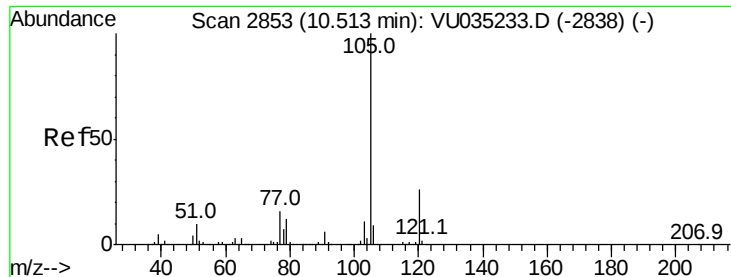
Tot Ion:106 Resp: 212092
Ion Ratio Lower Upper
106 100
91 215.7 153.2 284.6



#55
Styrene
Concen: 4.767 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035260.D
Acq: 18 Oct 2019 11:27

Tgt Ion:104 Resp: 344460
Ion Ratio Lower Upper
104 100
78 46.5 31.3 58.1





#56

Isopropylbenzene

Concen: 4.708 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

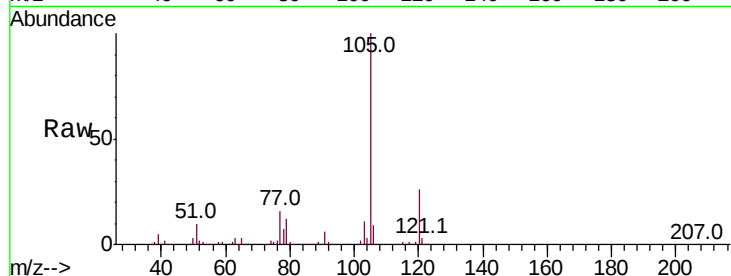
Tot Ion:105 Resp: 562040

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

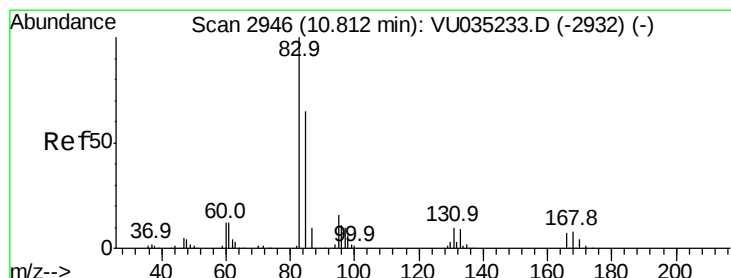
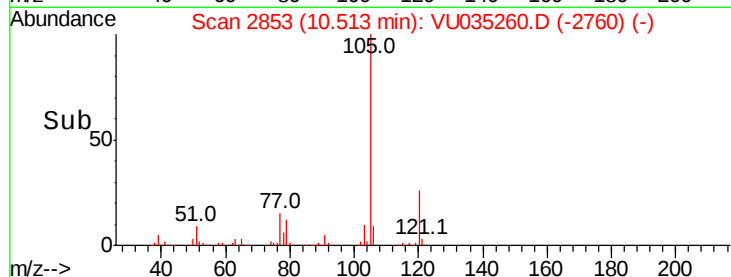
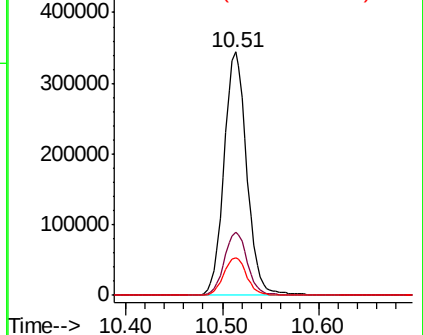
77 15.9 12.6 19.0



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: 4.867 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

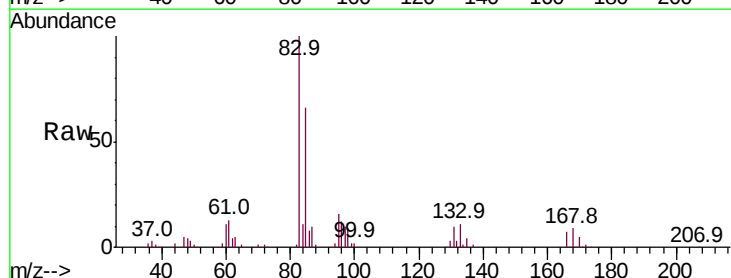
Tgt Ion: 83 Resp: 113247

Ion Ratio Lower Upper

83 100

85 65.9 46.8 86.8

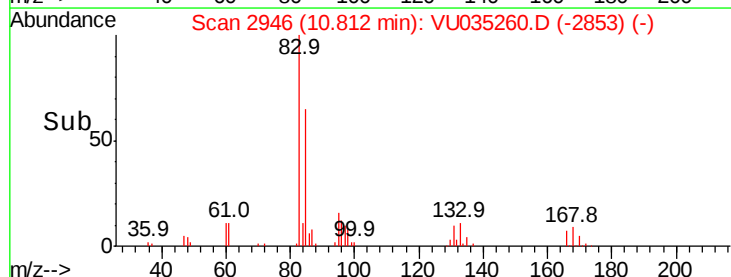
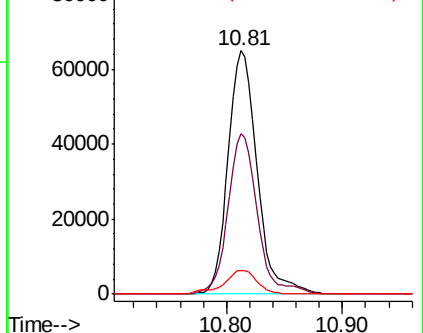
131 9.9 7.5 11.3

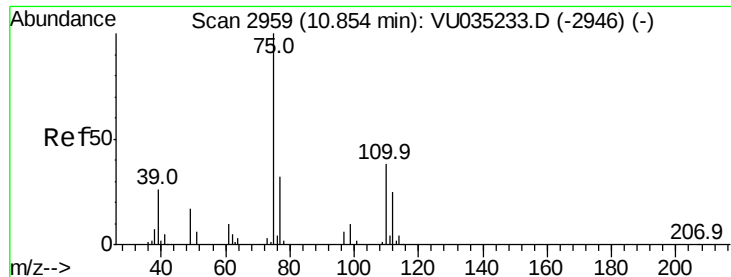


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.680 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

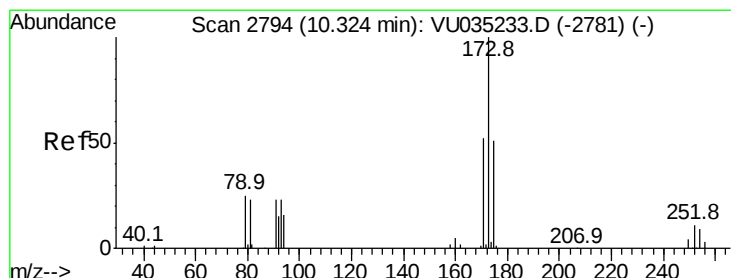
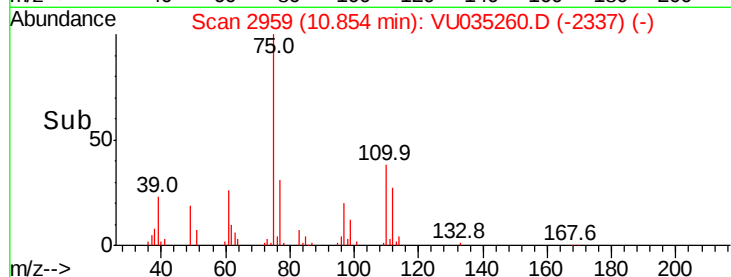
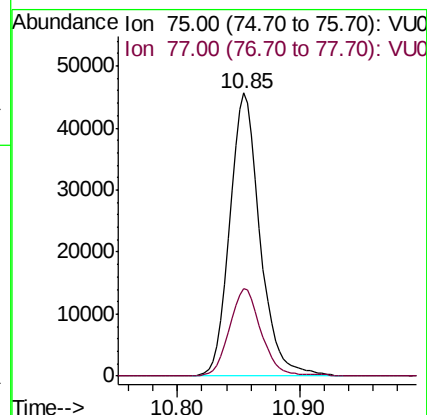
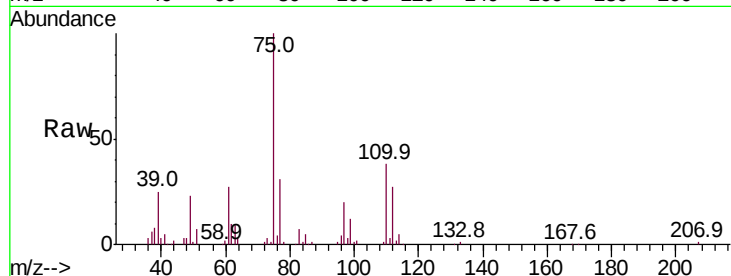
ClientSampled :

Tot Ion: 75 Resp: 79417

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



#61

Bromoform

Concen: 4.512 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

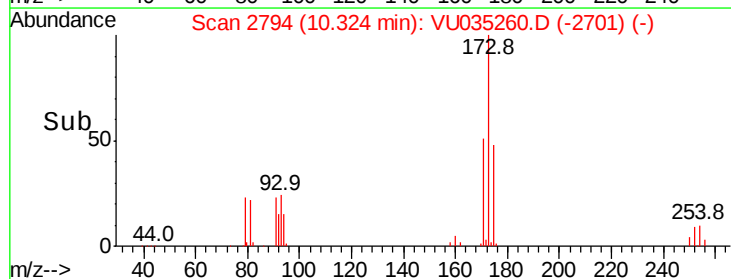
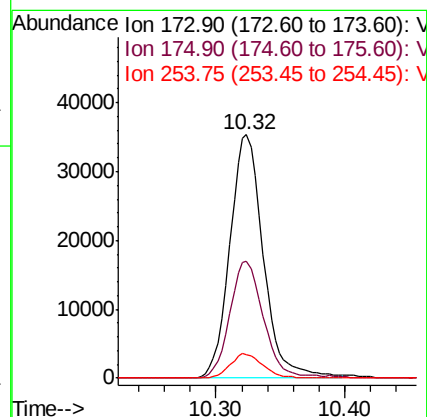
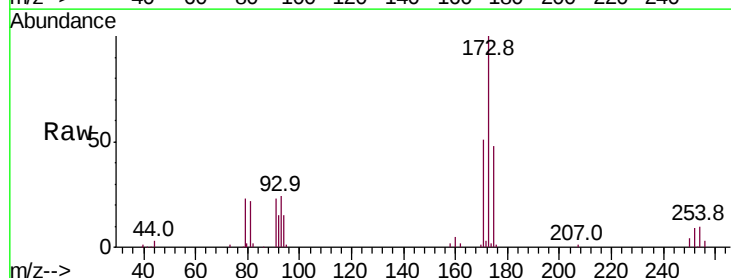
Tgt Ion: 173 Resp: 63723

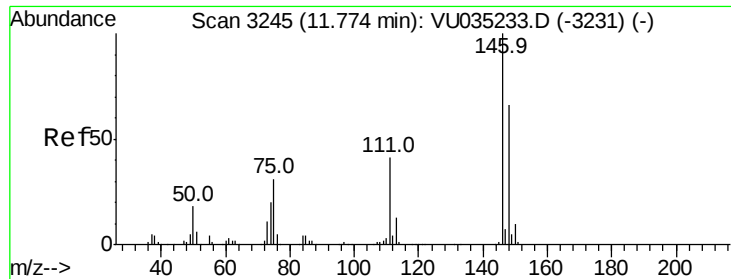
Ion Ratio Lower Upper

173 100

175 48.3 38.8 58.2

254 9.9 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.712 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

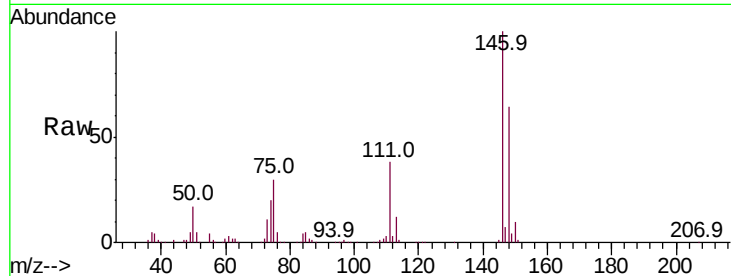
Tot Ion:146 Resp: 245156

Ion Ratio Lower Upper

146 100

111 37.6 27.8 51.6

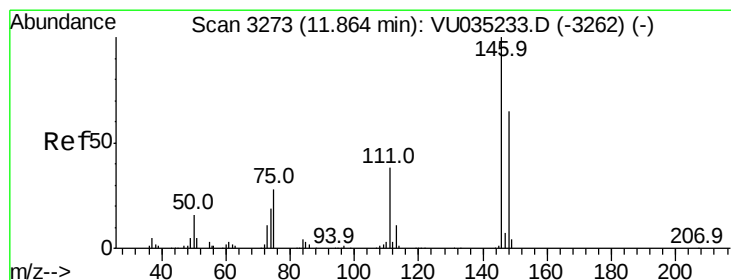
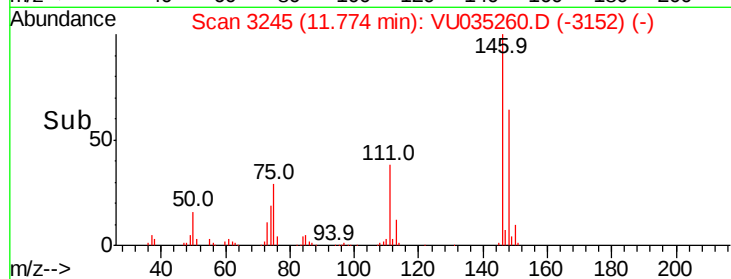
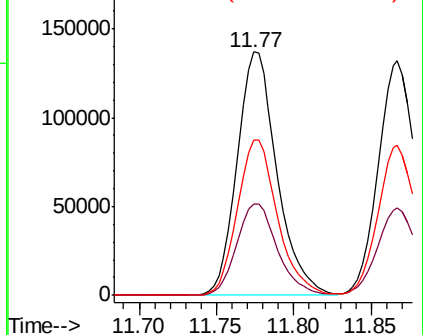
148 63.9 45.6 84.8



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: 4.587 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

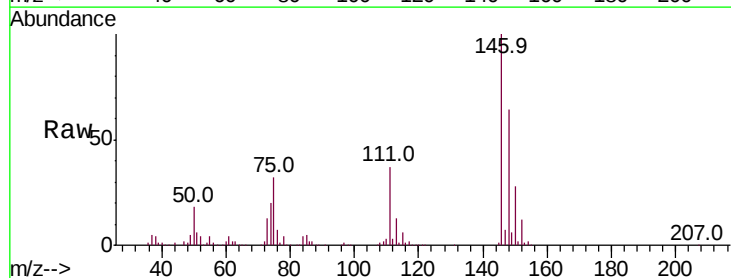
Tgt Ion:146 Resp: 234663

Ion Ratio Lower Upper

146 100

111 37.3 26.4 49.0

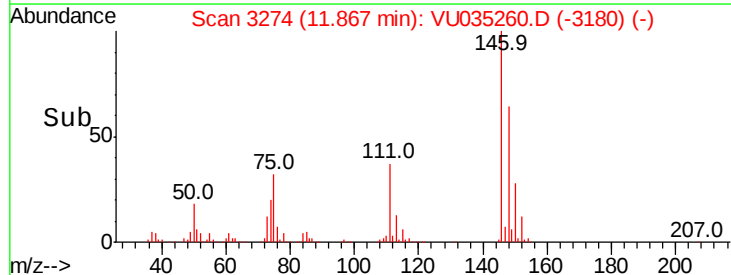
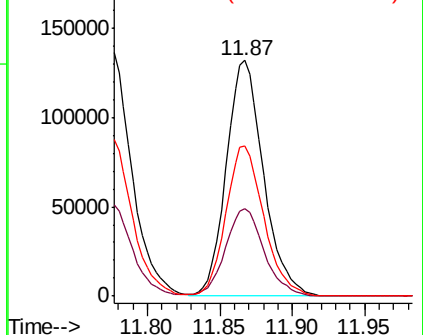
148 64.0 44.7 83.1

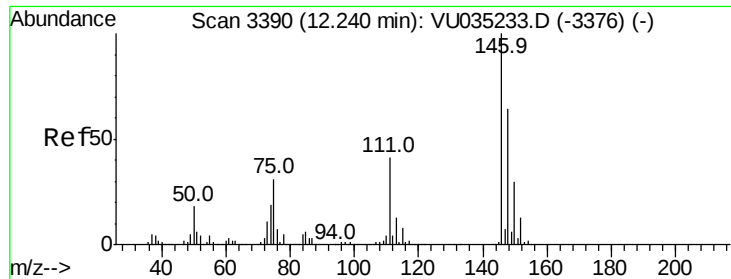


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

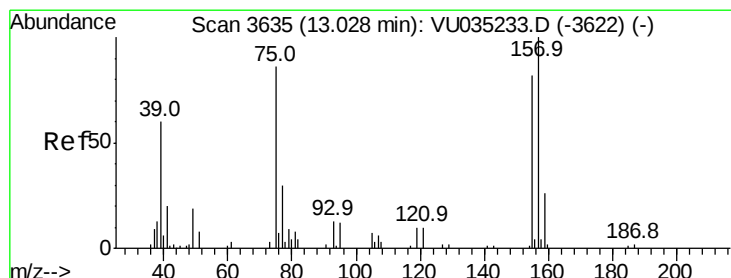
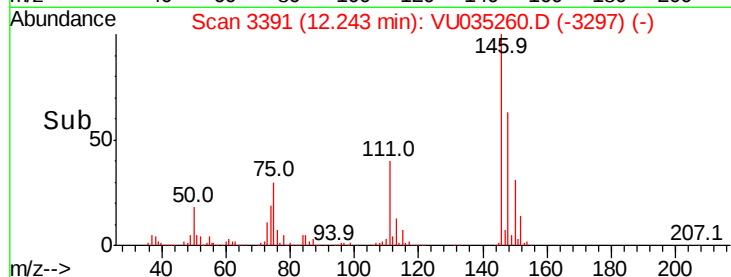
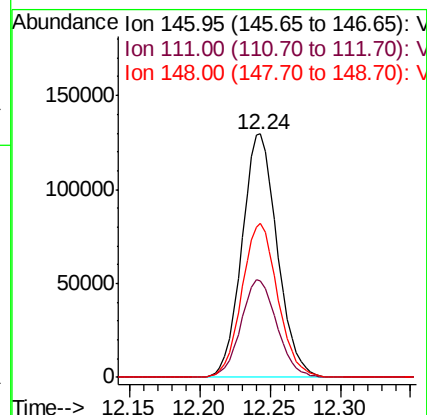
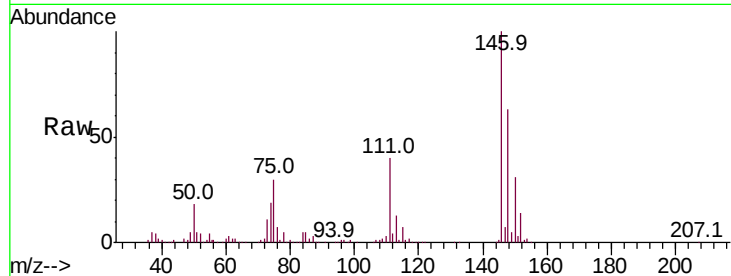




#65
 1,2-Dichlorobenzene
 Concen: 4.654 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

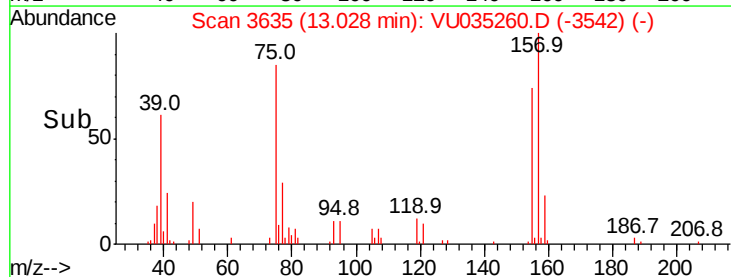
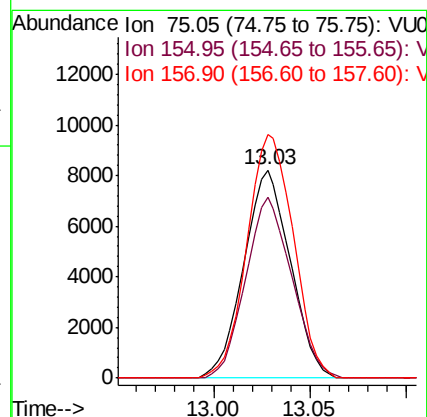
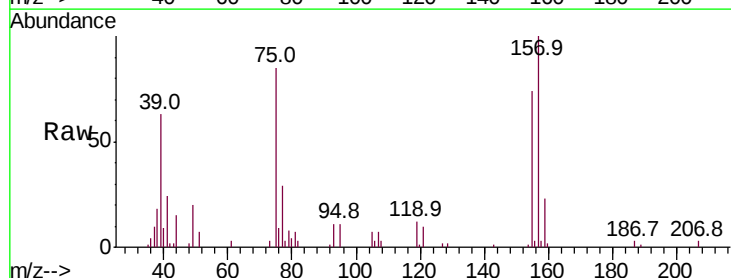
Instrument :
 MSVOA_U
 ClientSampleId :

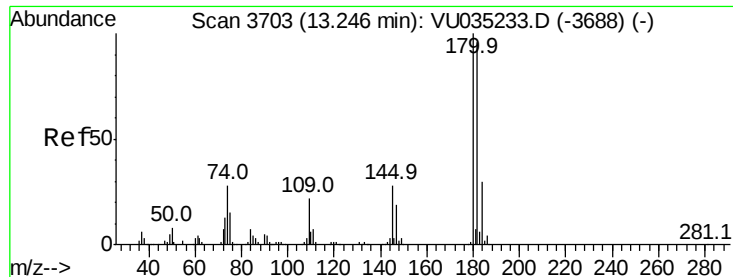
Tot Ion:146 Resp: 227490
 Ion Ratio Lower Upper
 146 100
 111 39.9 33.0 49.6
 148 63.2 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.989 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion: 75 Resp: 13773
 Ion Ratio Lower Upper
 75 100
 155 86.9 70.0 105.0
 157 117.1 94.7 142.1

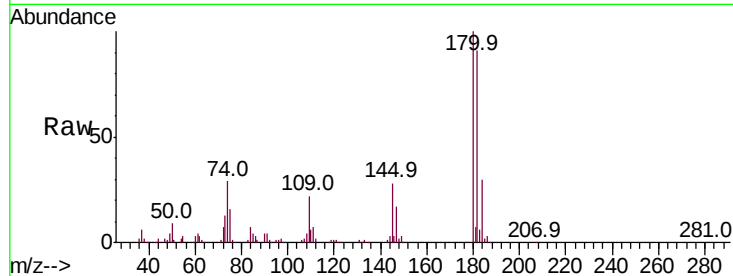




#67
 1,3,5-Trichlorobenzene
 Concen: 4.253 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	180	Resp:	137138
Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.4	116.2
184	29.8	23.9	35.9
145	27.6	22.4	33.6



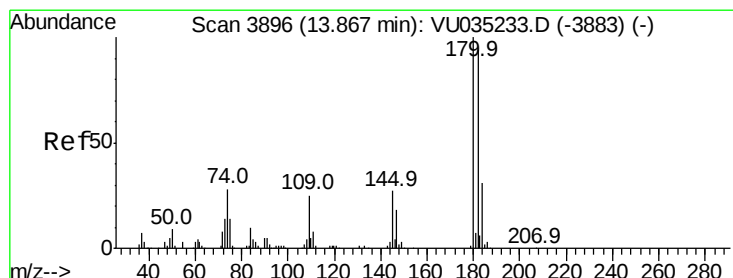
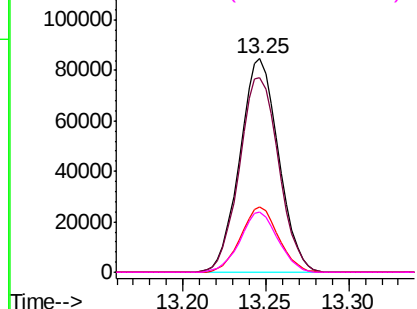
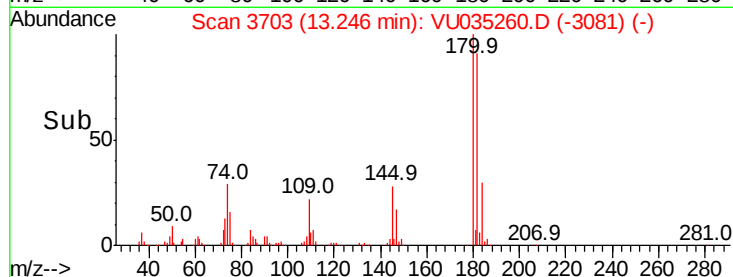
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

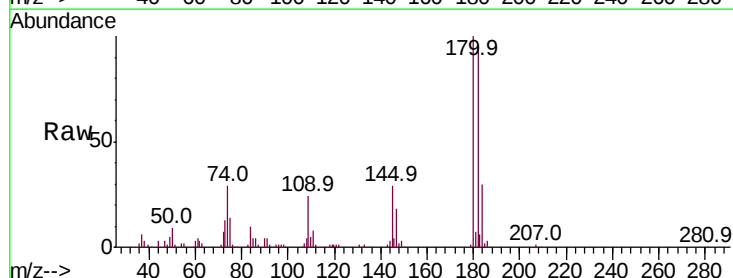
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.035 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035260.D
 Acq: 18 Oct 2019 11:27

Tgt Ion:	180	Resp:	86615
Ion	Ratio	Lower	Upper
180	100		
182	95.5	75.9	113.9
145	28.2	23.4	35.2

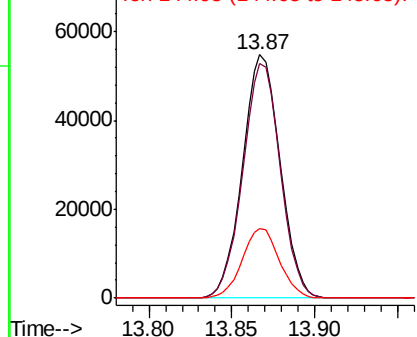
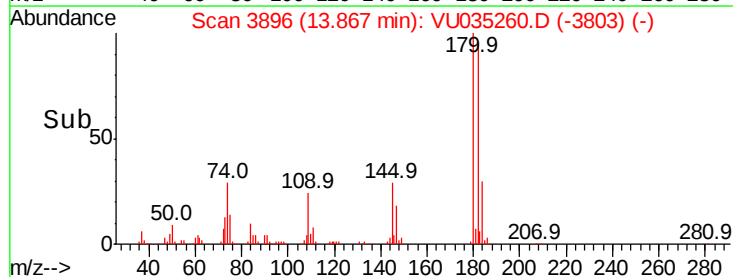


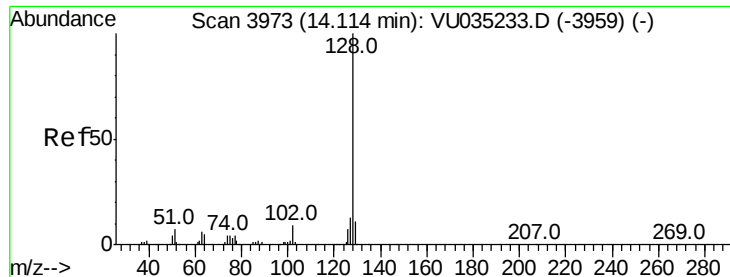
Abundance

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: 3.976 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

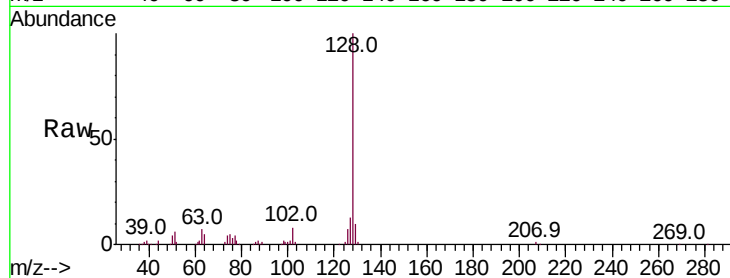
Tot Ion:128 Resp: 117152

Ion Ratio Lower Upper

128 100

129 10.4 8.6 13.0

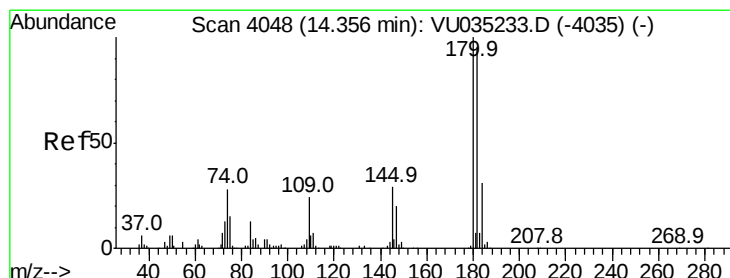
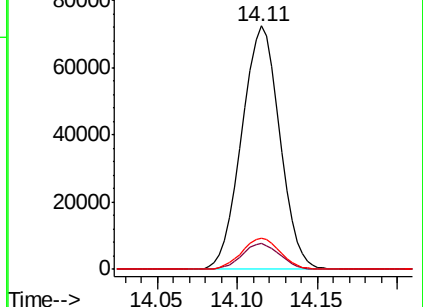
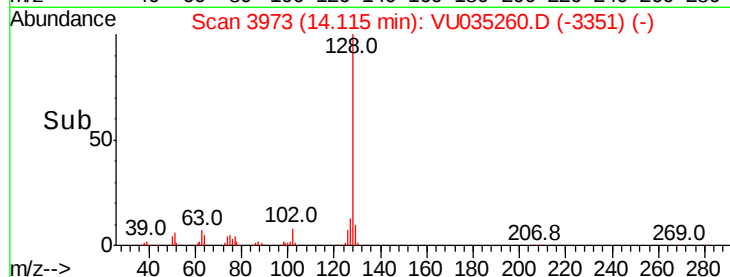
127 12.9 10.7 16.1



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: 4.303 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035260.D

Acq: 18 Oct 2019 11:27

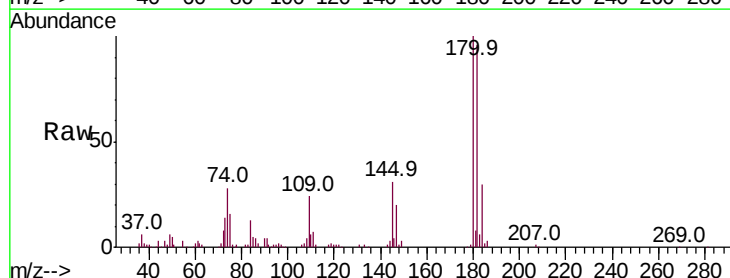
Tgt Ion:180 Resp: 86365

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 31.0 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

