

Data File : VU033901.D
Acq On : 22 Aug 2019 15:37
Operator : JC/SP
Sample : VSTD05031
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Quant Time: Aug 23 01:57:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 01:53:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	567556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	571643	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	290181	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	252125	49.18	ug/L	0.00
7) Chloroethane-d5	1.67	69	205730	43.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	450921	51.78	ug/L	0.00
21) 2-Butanone-d5	4.15	46	350489	123.99	ug/L	0.00
24) Chloroform-d	4.62	84	415072	50.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	265969	51.07	ug/L	0.00
32) Benzene-d6	5.31	84	841006	52.10	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	268507	51.05	ug/L	0.00
41) Toluene-d8	7.54	98	776327	52.05	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	124463	50.93	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	240584	120.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	376224	51.65	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	287746	49.31	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	260146	46.836	ug/L	100
3) Chloromethane	1.32	50	255421	45.026	ug/L	100
5) Vinyl chloride	1.39	62	289106	45.623	ug/L	100
6) Bromomethane	1.61	94	111107	25.492	ug/L	100
8) Chloroethane	1.68	64	175070	40.194	ug/L	100
9) Trichlorofluoromethane	1.87	101	346675	41.769	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	197817	48.402	ug/L	100
12) 1,1-Dichloroethene	2.27	96	188357	47.828	ug/L	100
13) Acetone	2.30	43	311723	112.968	ug/L	100
14) Carbon disulfide	2.46	76	592201	47.662	ug/L	100
15) Methyl Acetate	2.60	43	262551	57.519	ug/L	100
16) Methylene chloride	2.68	84	226254	49.106	ug/L	100
17) trans-1,2-Dichloroethene	2.96	96	200517	48.563	ug/L	100
18) Methyl tert-butyl Ether	2.98	73	618546	51.060	ug/L	100
19) 1,1-Dichloroethane	3.42	63	403348	50.363	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	226369	50.648	ug/L	100
22) 2-Butanone	4.23	43	399949	124.443	ug/L	100
23) Bromochloromethane	4.52	128	115372	47.803	ug/L	100
25) Chloroform	4.65	83	402850	48.765	ug/L	100
27) 1,2-Dichloroethane	5.38	62	318693	50.688	ug/L	100
29) Cyclohexane	4.97	56	335825	53.582	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	325050	47.100	ug/L	100
31) Carbon tetrachloride	5.11	117	291208	46.471	ug/L	100
33) Benzene	5.36	78	882253	50.547	ug/L	100
34) Trichloroethene	6.16	95	219384	47.516	ug/L	100
35) Methylcyclohexane	6.39	83	346737	50.754	ug/L	100
37) 1,2-Dichloropropane	6.41	63	235481	49.366	ug/L	100
38) Bromodichloromethane	6.73	83	300288	48.600	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	360269	51.546	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	690554	118.458	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082219\
Quantitation Report (Not Reviewed)

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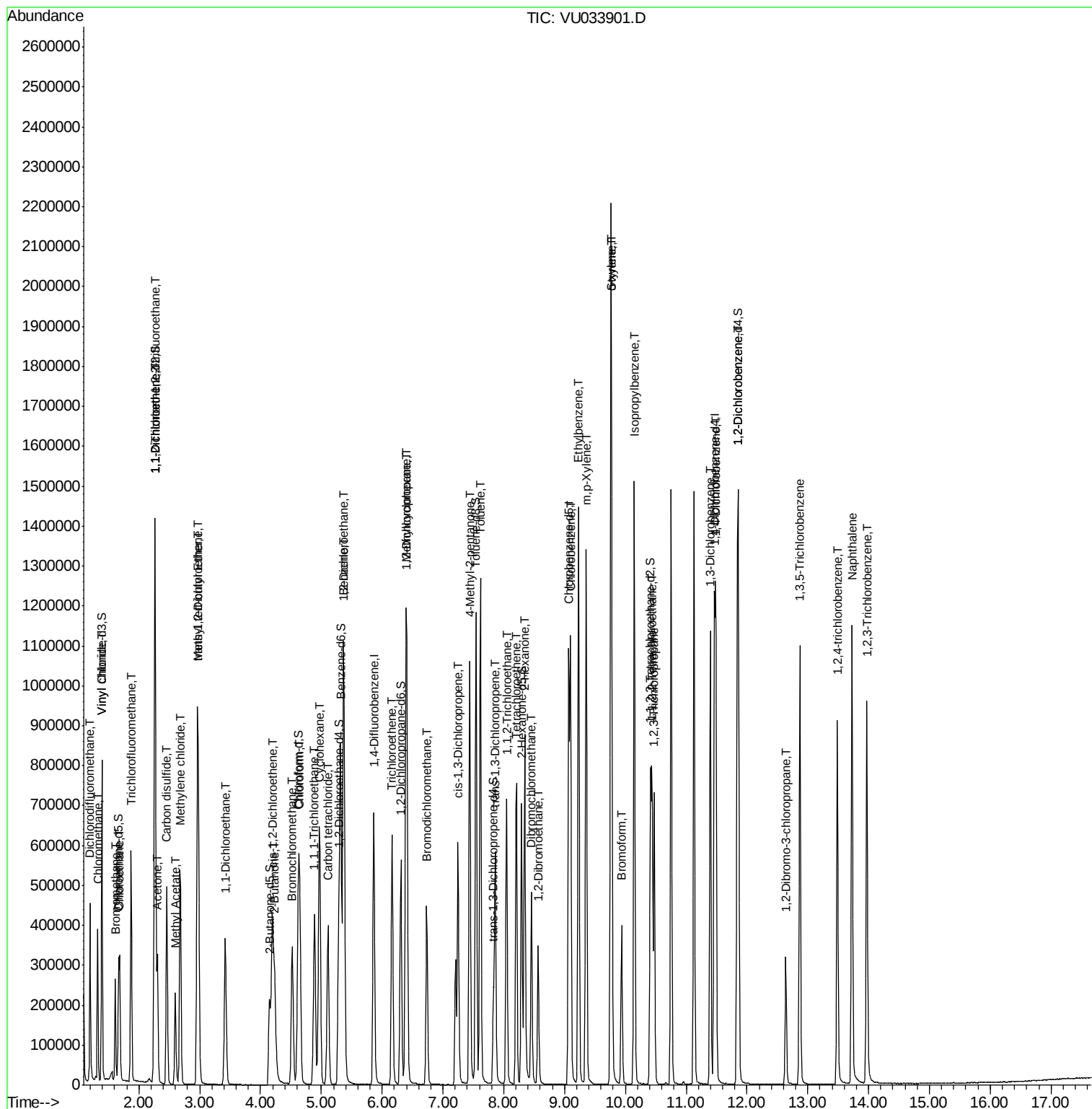
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	920734	50.221	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	324382	50.641	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	218143	48.783	ug/L	100
46) Tetrachloroethene	8.21	164	172164	46.643	ug/L	100
48) 2-Hexanone	8.34	43	545535	119.839	ug/L	100
49) Dibromochloromethane	8.46	129	239593	47.820	ug/L	100
50) 1,2-Dibromoethane	8.57	107	229989	48.536	ug/L	100
51) Chlorobenzene	9.10	112	580456	47.965	ug/L	100
52) Ethylbenzene	9.23	91	987343	50.646	ug/L	100
53) m,p-Xylene	9.36	106	370891	50.993	ug/L	100
54) o-xylene	9.76	106	364994	51.669	ug/L	100
55) Styrene	9.77	104	637348	52.734	ug/L	100
56) Isopropylbenzene	10.15	105	946486	51.278	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	374236	51.252	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	300902	51.641	ug/L	100
61) Bromoform	9.94	173	179608	49.085	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	450349	49.022	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	459132	48.286	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	450272	48.952	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	83666	53.264	ug/L	100
67) 1,3,5-Trichlorobenzene	12.87	180	343925	48.633	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	288367	49.645	ug/L	100
69) Naphthalene	13.73	128	915814	56.141	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	314971	52.310	ug/L	100

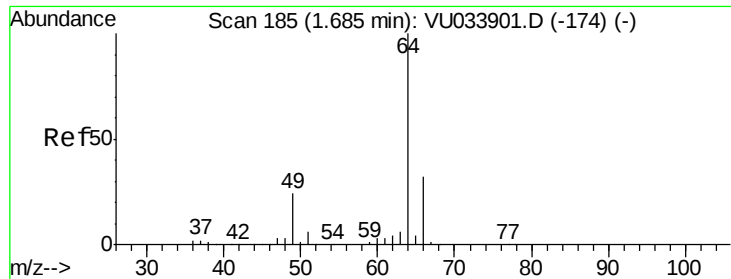
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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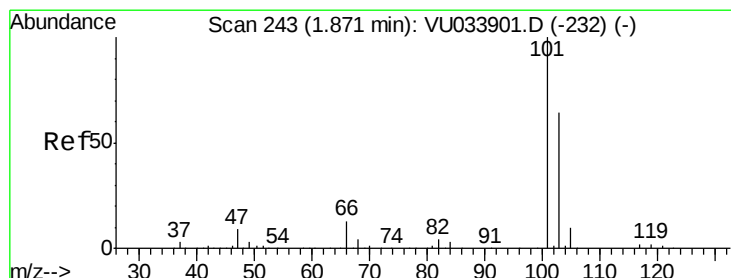
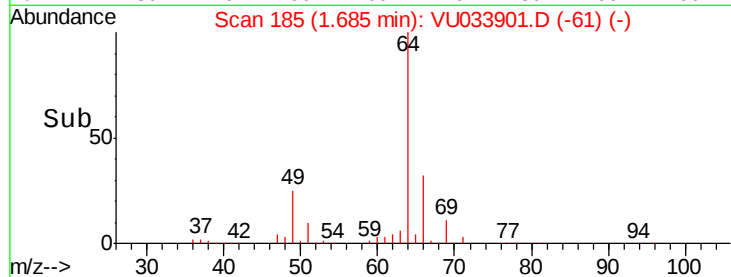
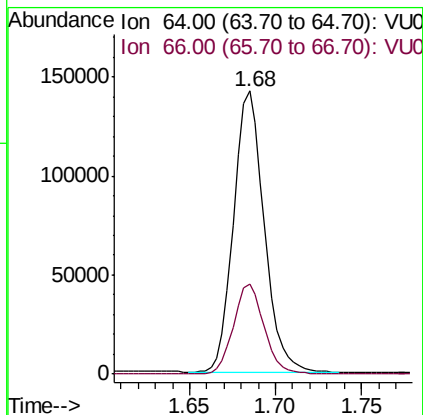
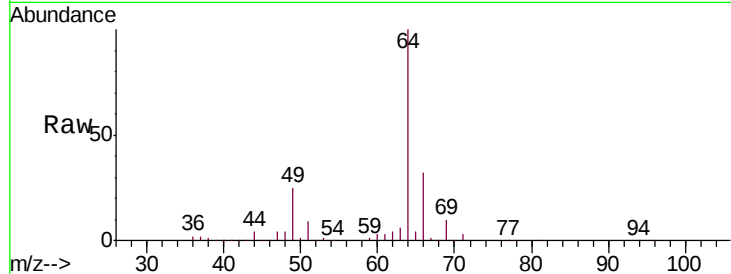




#8
Chloroethane
Concen: 40.194 ug/L
RT: 1.68 min Scan# 185
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

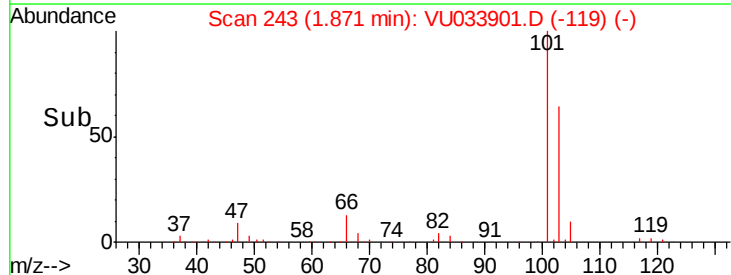
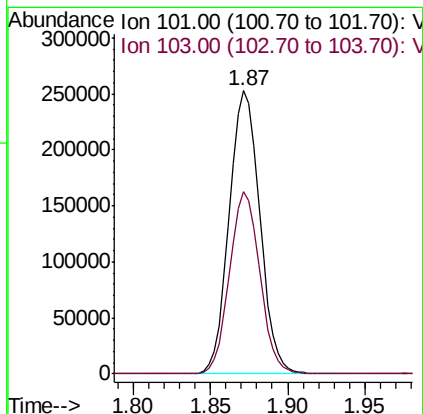
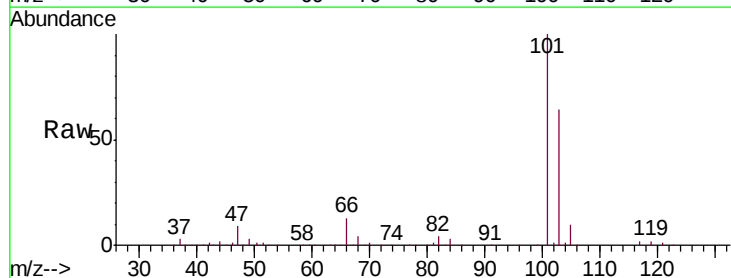
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

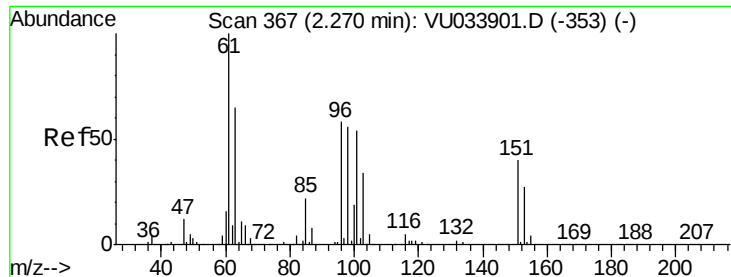
Tgt Ion: 64 Resp: 175070
Ion Ratio Lower Upper
64 100
66 31.9 22.3 41.5



#9
Trichlorofluoromethane
Concen: 41.769 ug/L
RT: 1.87 min Scan# 243
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

Tgt Ion: 101 Resp: 346675
Ion Ratio Lower Upper
101 100
103 63.6 50.9 76.3





#10

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

Concen: 48.402 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

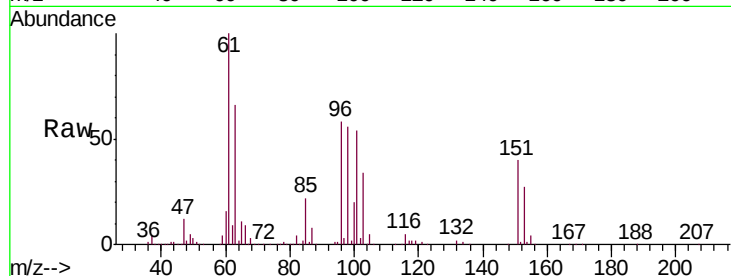
Tgt Ion: 101 Resp: 197817

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

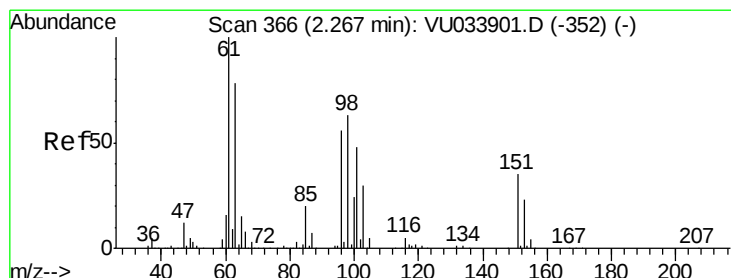
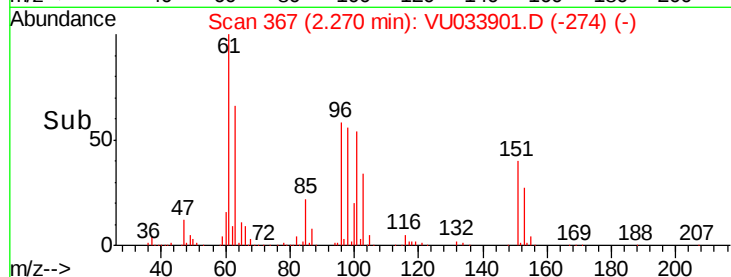
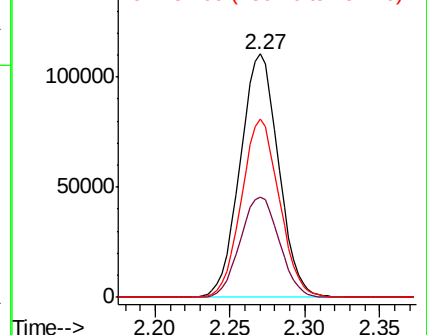
151 72.2 57.8 86.6



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: 47.828 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

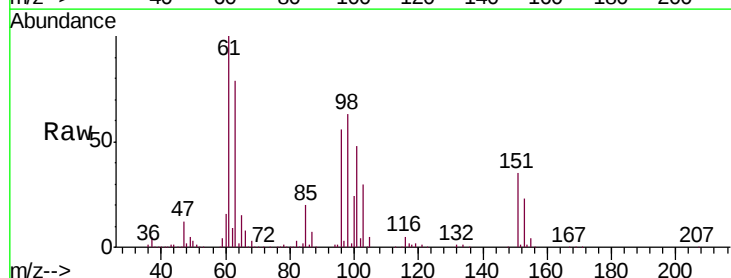
Tgt Ion: 96 Resp: 188357

Ion Ratio Lower Upper

96 100

61 178.1 124.7 231.5

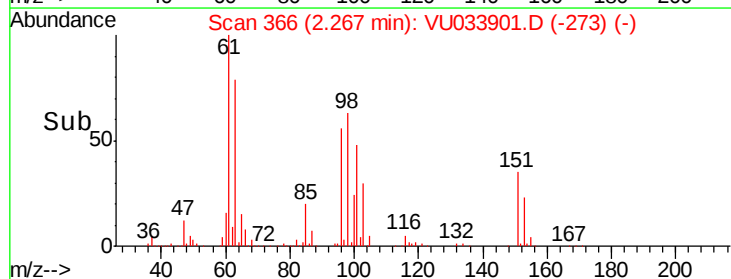
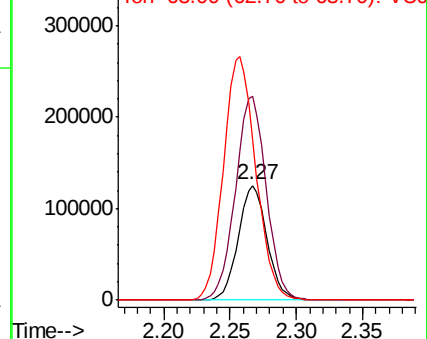
63 139.9 97.9 181.9



Abundance Ion 96.00 (95.70 to 96.70): VU0

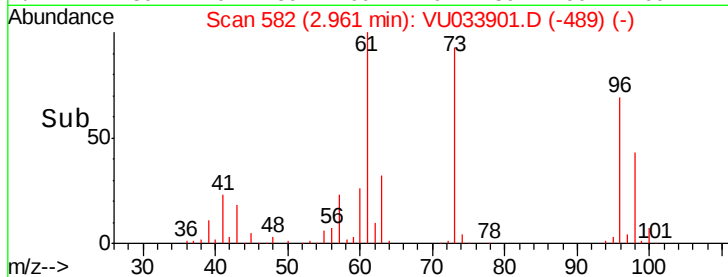
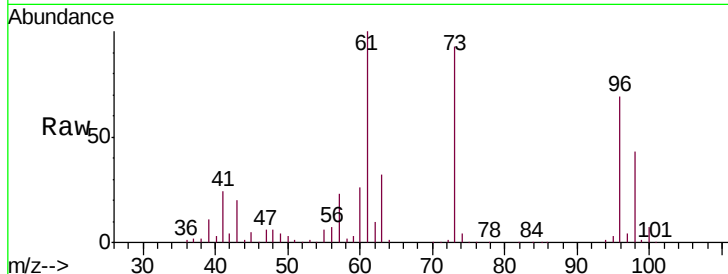
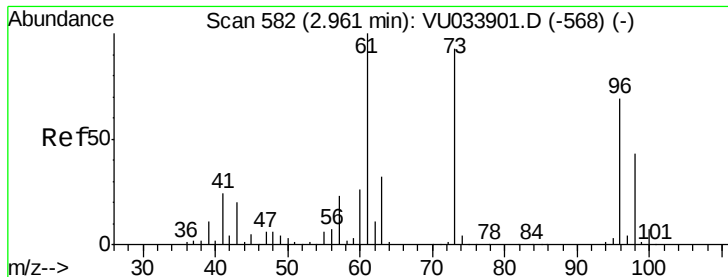
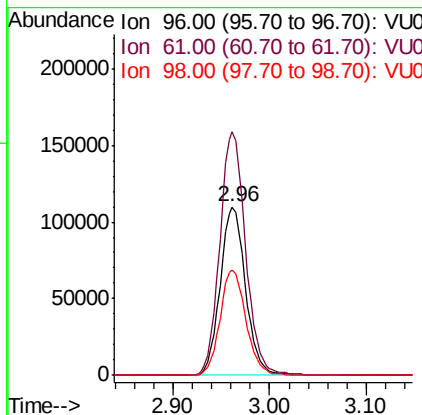
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



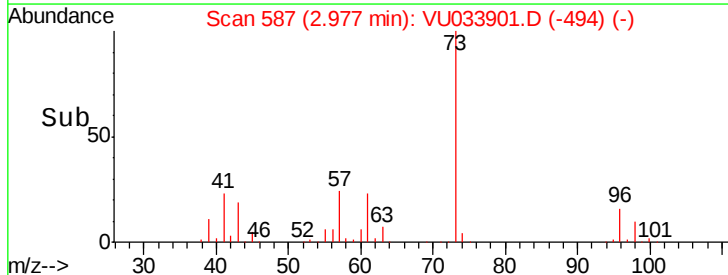
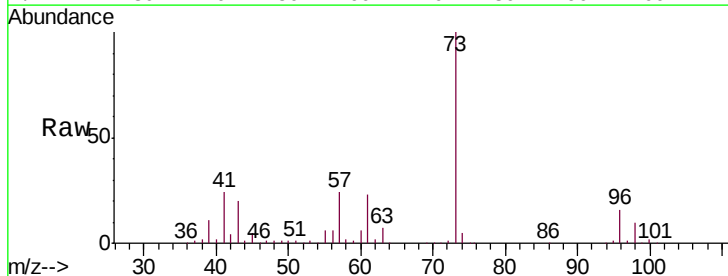
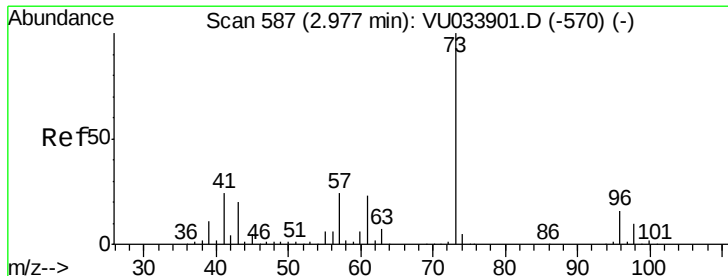
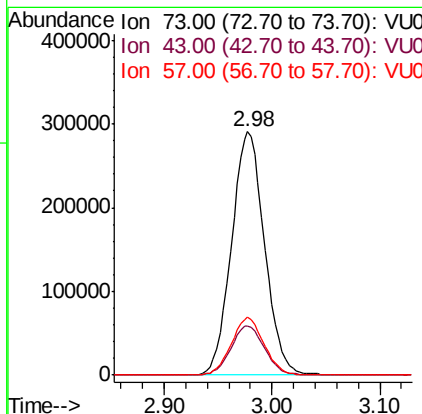
Instrument :
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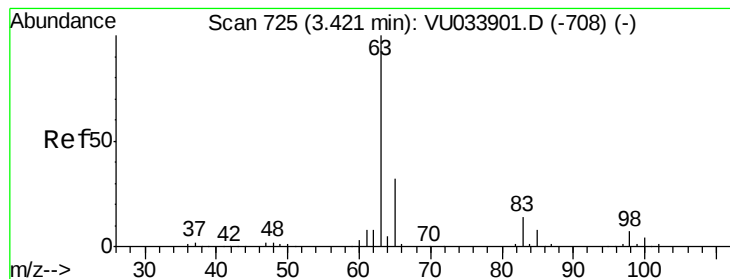
Tgt Ion: 96 Resp: 200517
Ion Ratio Lower Upper
96 100
61 144.5 101.2 187.8
98 62.8 44.0 81.6



#18
Methyl tert-butyl Ether
Concen: 51.060 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

Tgt Ion: 73 Resp: 618546
Ion Ratio Lower Upper
73 100
43 20.4 16.3 24.5
57 23.5 18.8 28.2





#19

1,1-Dichloroethane

Concen: 50.363 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

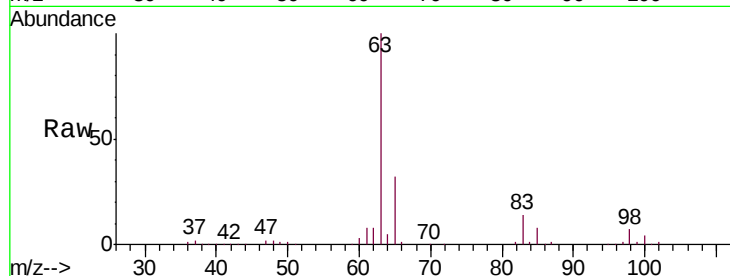
Tgt Ion: 63 Resp: 403348

Ion Ratio Lower Upper

63 100

65 32.0 22.4 41.6

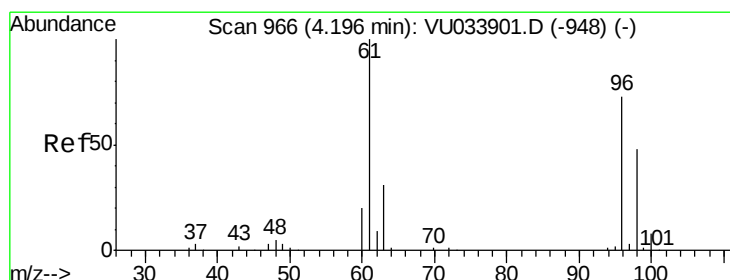
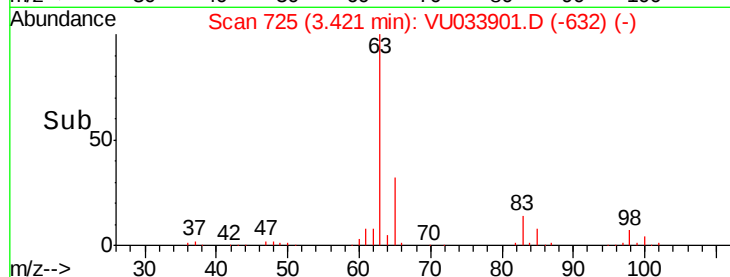
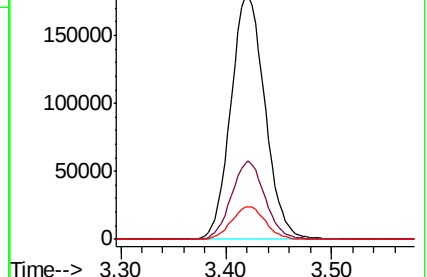
83 13.5 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033901.D (-708) (-)

Ion 65.00 (64.70 to 65.70): VU033901.D (-708) (-)

Ion 83.00 (82.70 to 83.70): VU033901.D (-708) (-)



#20

cis-1,2-Dichloroethene

Concen: 50.648 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

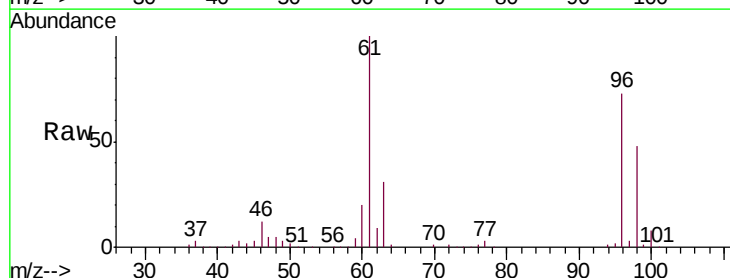
Tgt Ion: 96 Resp: 226369

Ion Ratio Lower Upper

96 100

61 136.5 95.5 177.4

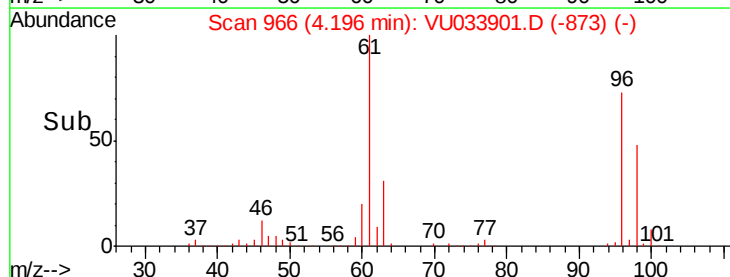
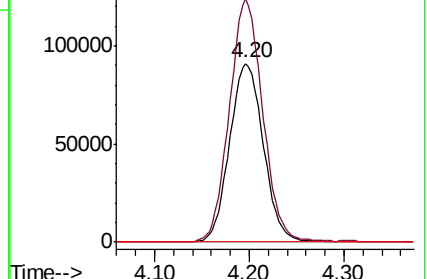
68 0.0 0.0 0.0

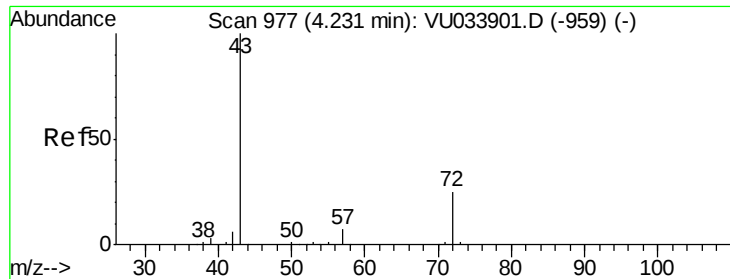


Abundance Ion 96.00 (95.70 to 96.70): VU033901.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU033901.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU033901.D (-948) (-)





#22

2-Butanone

Concen: 124.443 ug/L

RT: 4.23 min Scan# 977

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

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ClientSampleId :

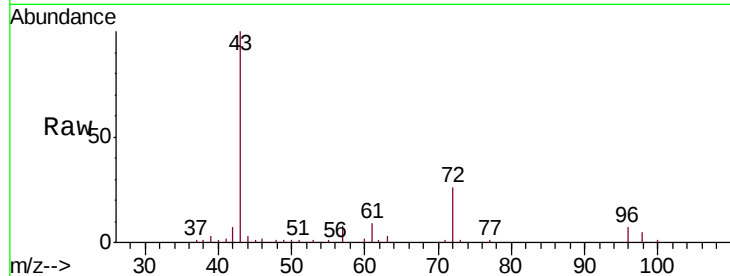
VSTD05031

Tgt Ion: 43 Resp: 399949

Ion Ratio Lower Upper

43 100

72 26.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033901.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VU033901.D (-959) (-)

4.23

150000

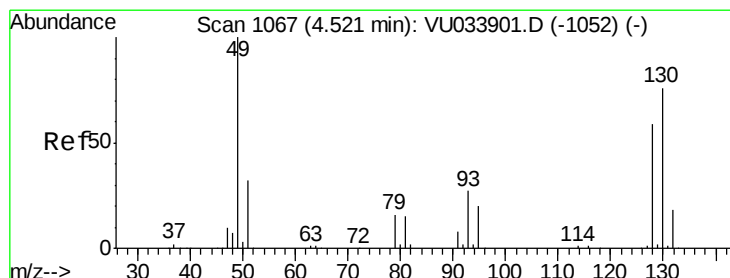
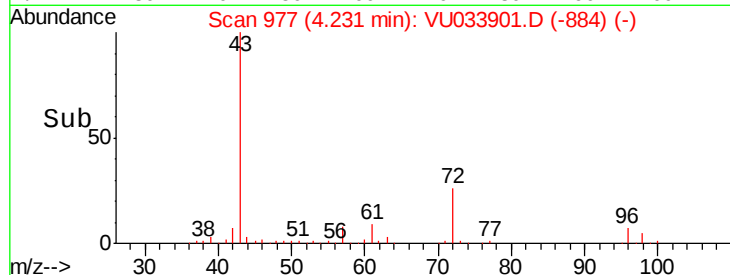
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50000

0

4.10 4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 47.803 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Tgt Ion: 128 Resp: 115372

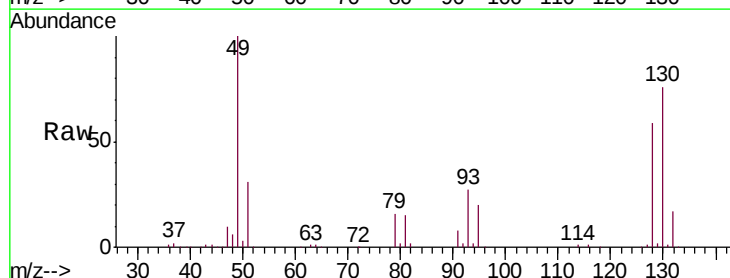
Ion Ratio Lower Upper

128 100

49 170.6 119.4 221.8

130 129.8 90.9 168.7

51 53.7 43.0 64.4



Abundance Ion 128.00 (127.70 to 128.70): VU033901.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033901.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033901.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033901.D (-1052) (-)

120000

100000

80000

60000

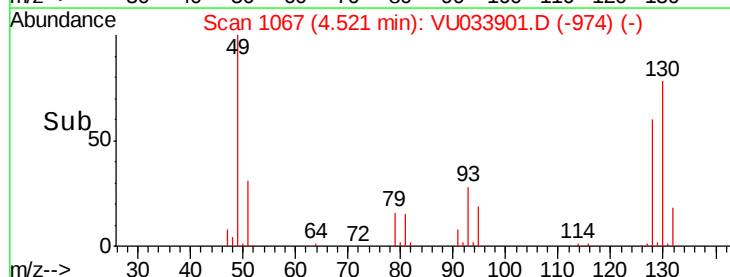
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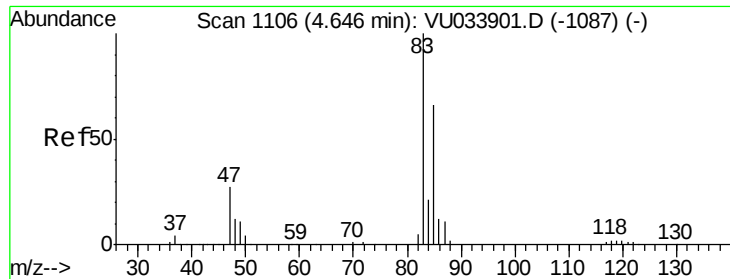
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0

4.45 4.50 4.55 4.60

Time-->

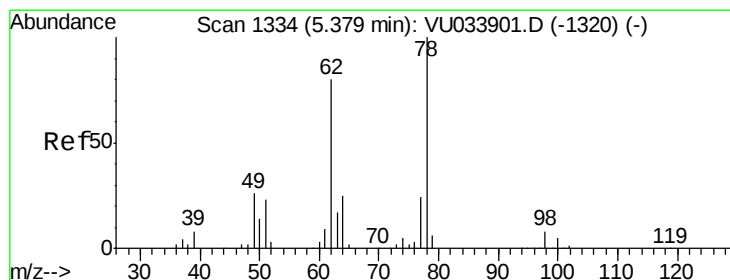
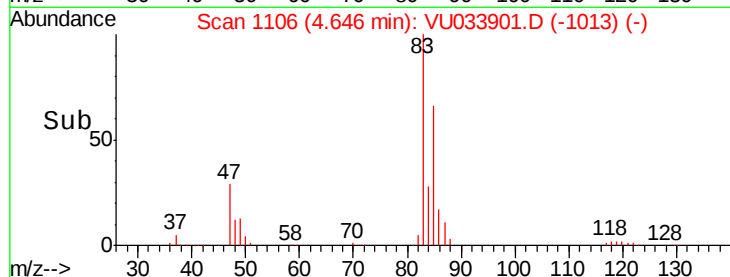
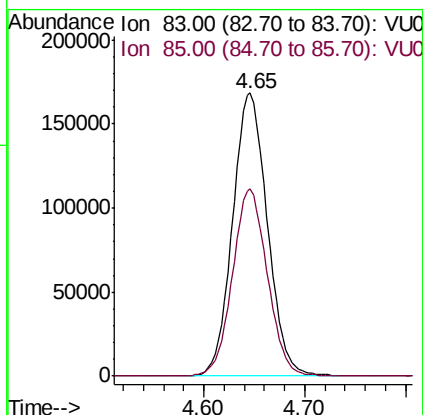
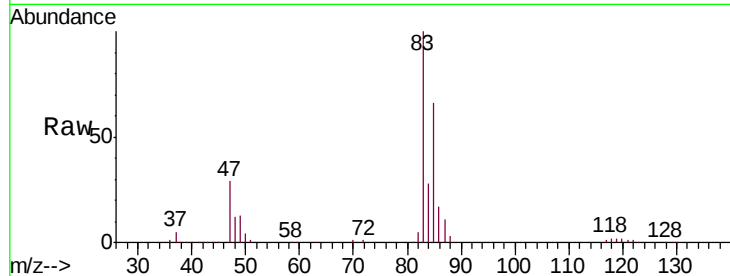




#25
 Chloroform
 Concen: 48.765 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

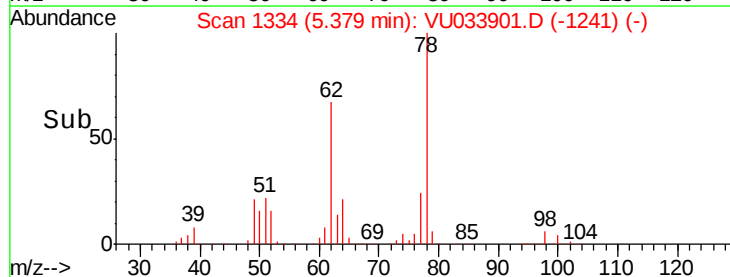
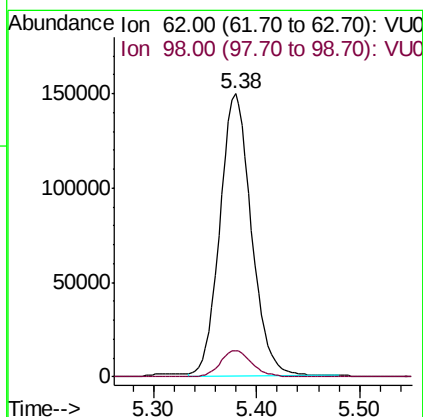
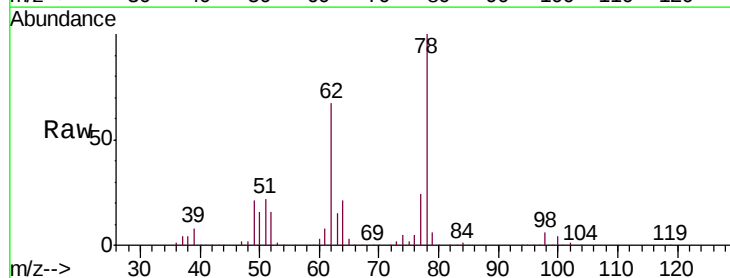
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

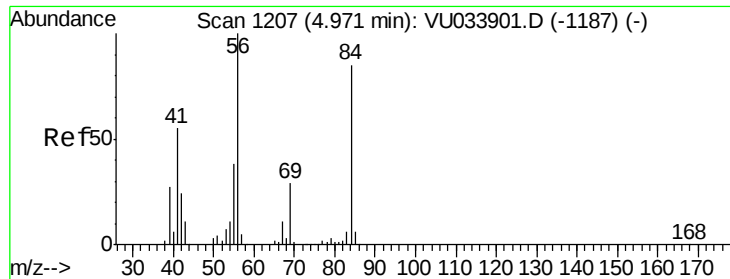
Tgt Ion: 83 Resp: 402850
 Ion Ratio Lower Upper
 83 100
 85 66.0 46.2 85.8



#27
 1,2-Dichloroethane
 Concen: 50.688 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Tgt Ion: 62 Resp: 318693
 Ion Ratio Lower Upper
 62 100
 98 9.4 7.5 11.3

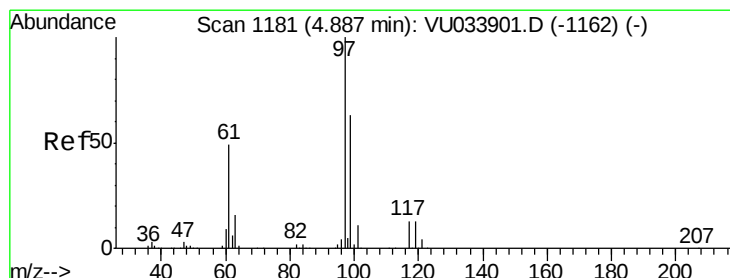
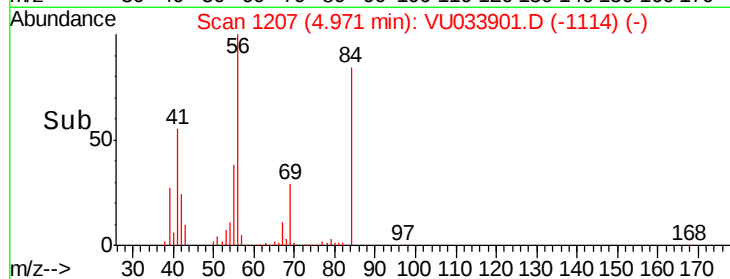
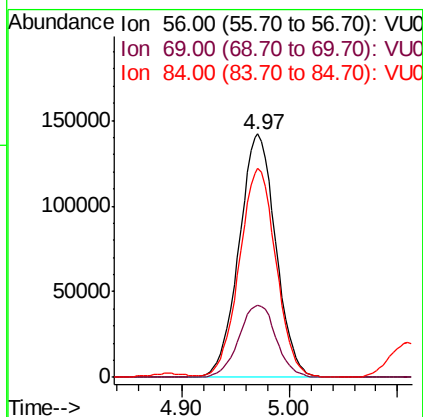
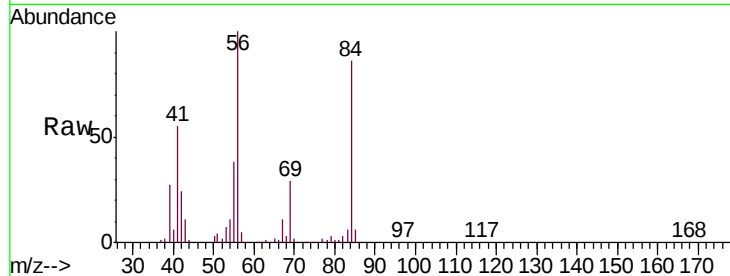




#29
Cyclohexane
Concen: 53.582 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

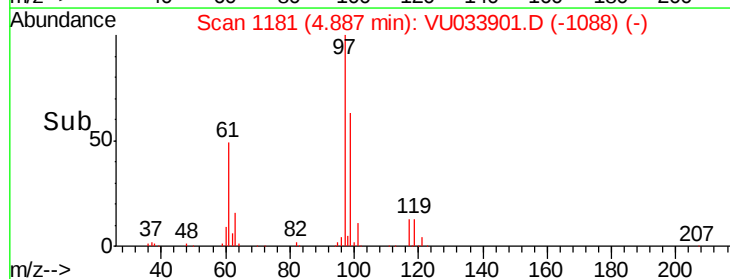
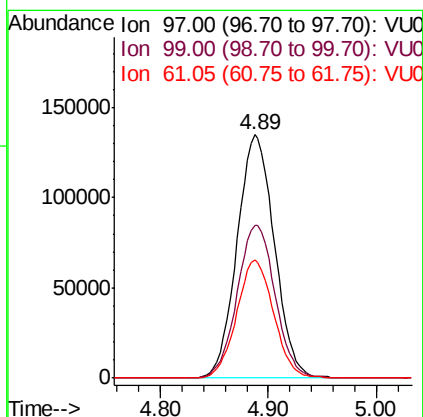
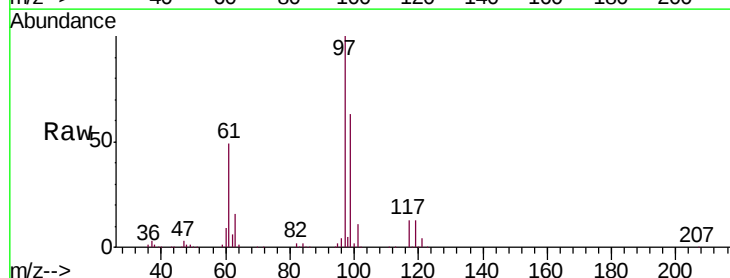
Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

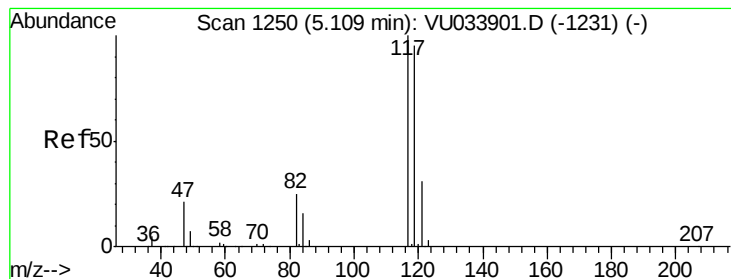
Tgt Ion: 56 Resp: 335825
Ion Ratio Lower Upper
56 100
69 30.1 24.1 36.1
84 85.8 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 47.100 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

Tgt Ion: 97 Resp: 325050
Ion Ratio Lower Upper
97 100
99 63.9 51.1 76.7
61 48.2 38.6 57.8





#31

Carbon tetrachloride

Concen: 46.471 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampled :

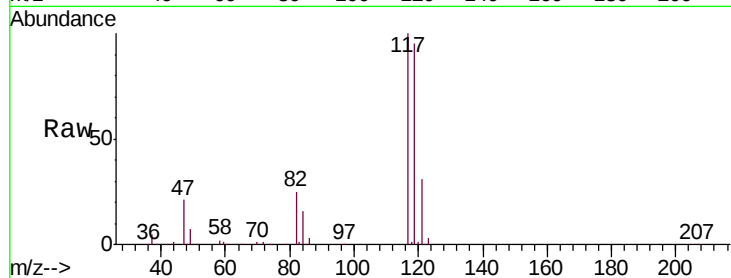
VSTD05031

Tgt Ion:117 Resp: 291208

Ion Ratio Lower Upper

117 100

119 95.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

150000

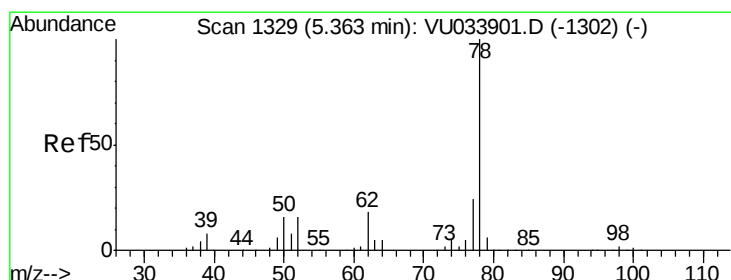
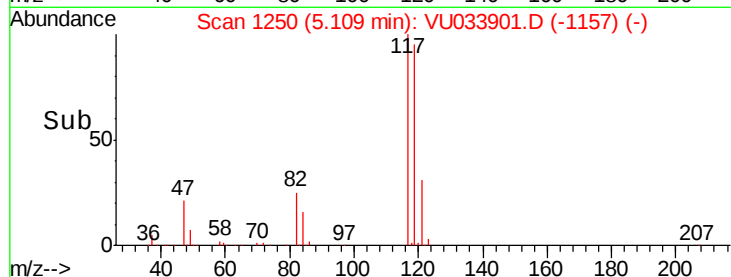
100000

50000

0

Time-->

5.00 5.10 5.20



#33

Benzene

Concen: 50.547 ug/L

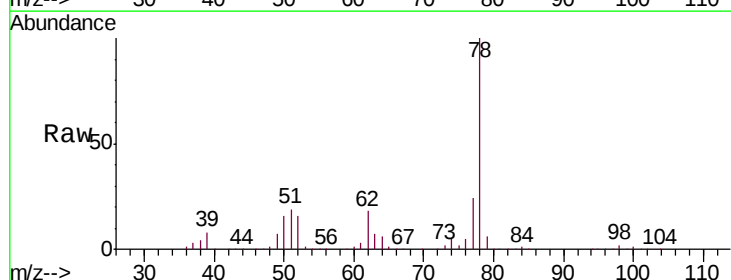
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Tgt Ion: 78 Resp: 882253



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.36

400000

300000

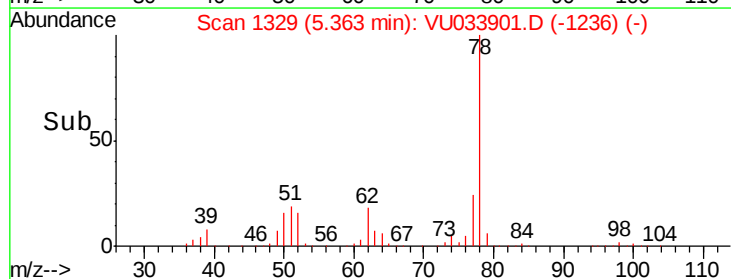
200000

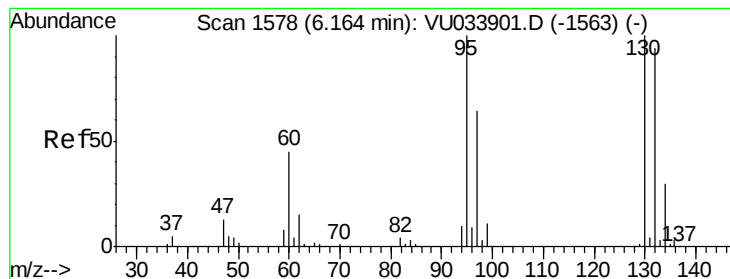
100000

0

Time-->

5.20 5.30 5.40 5.50





#34

Trichloroethene

Concen: 47.516 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion: 95 Resp: 219384

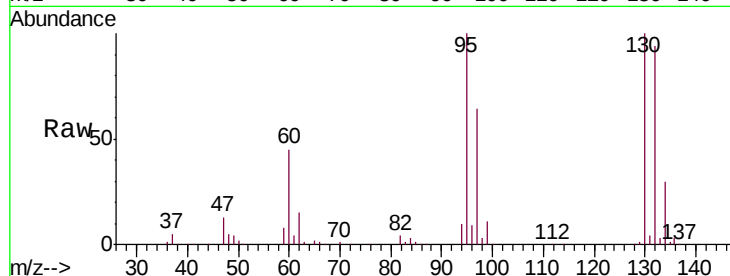
Ion Ratio Lower Upper

95 100

97 63.8 44.7 82.9

132 93.9 65.7 122.1

130 100.0 70.0 130.0

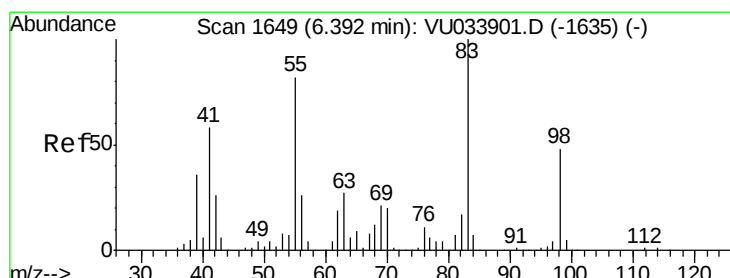
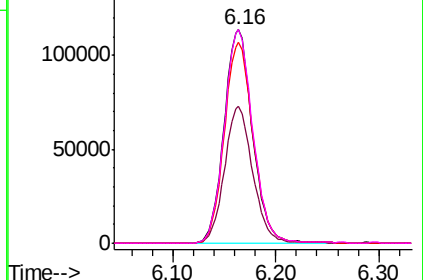
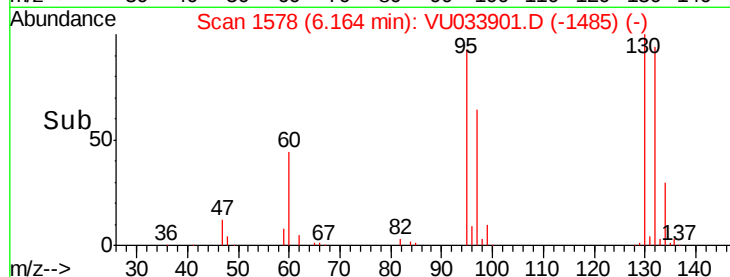


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.754 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

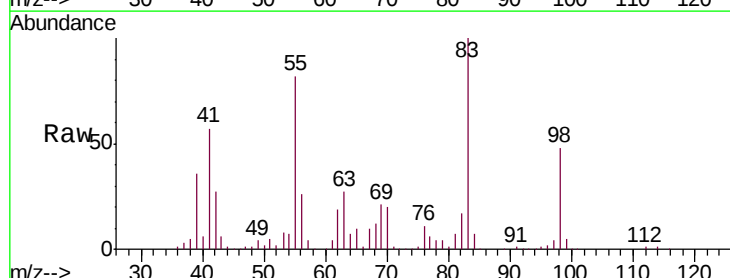
Tgt Ion: 83 Resp: 346737

Ion Ratio Lower Upper

83 100

55 80.5 64.4 96.6

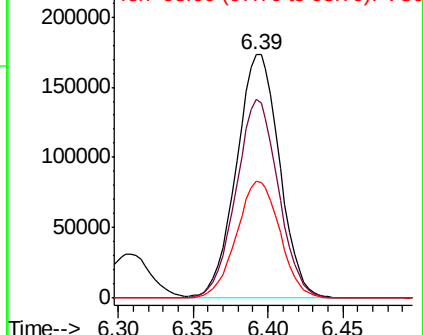
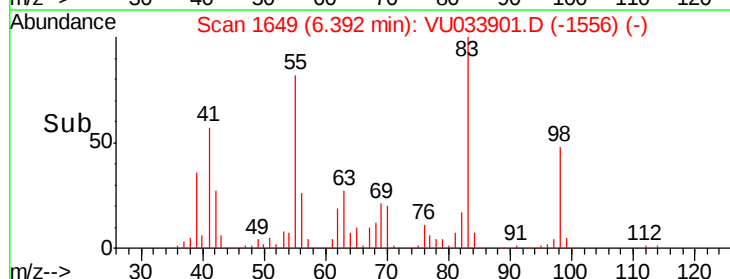
98 48.4 38.7 58.1

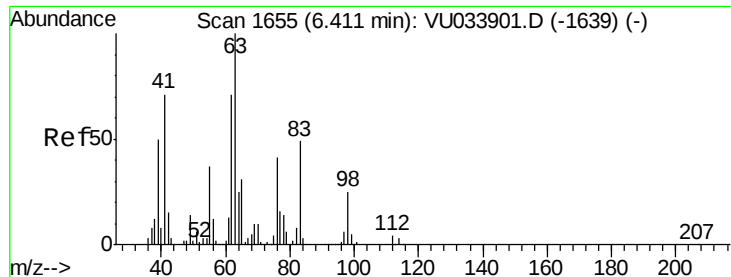


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 49.366 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampled :

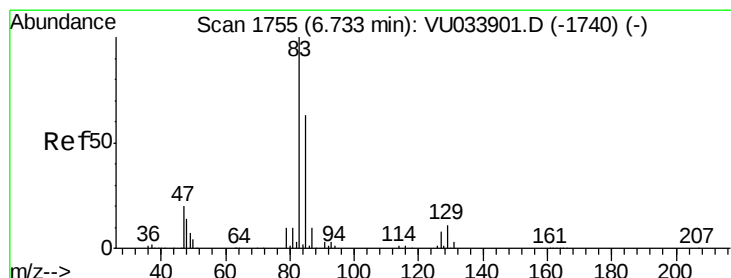
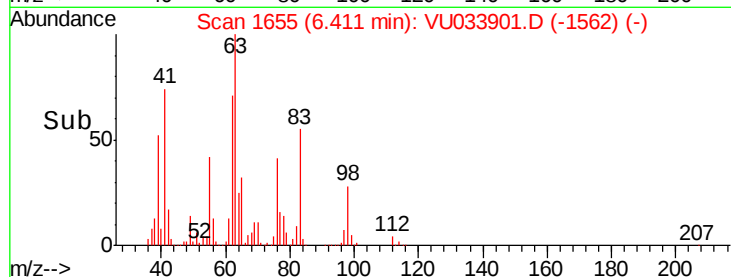
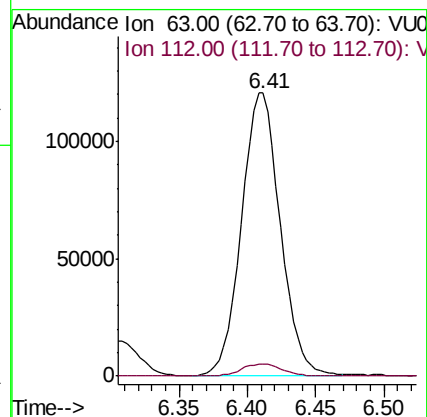
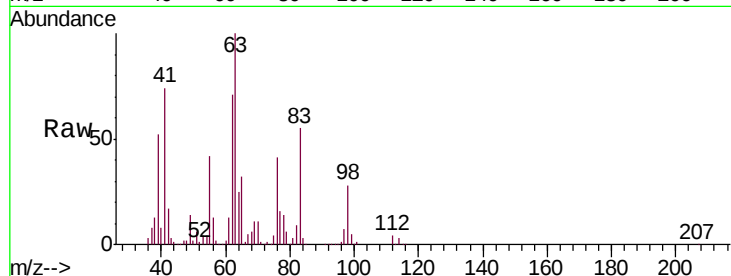
VSTD05031

Tgt Ion: 63 Resp: 235481

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 48.600 ug/L

RT: 6.73 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

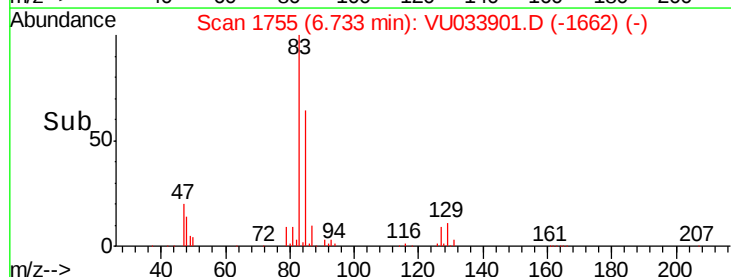
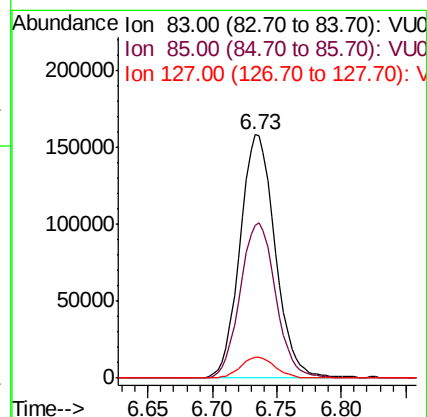
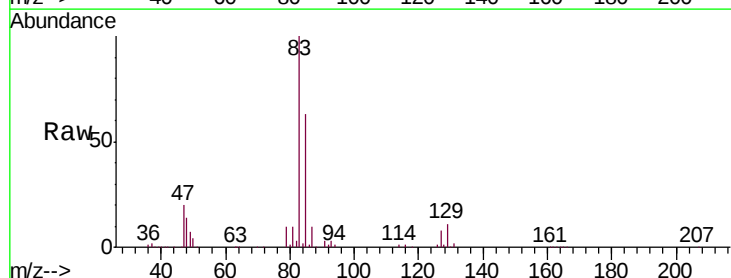
Tgt Ion: 83 Resp: 300288

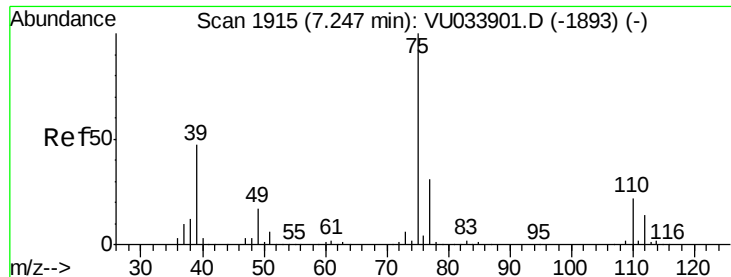
Ion Ratio Lower Upper

83 100

85 62.9 44.0 81.8

127 8.5 6.8 10.2

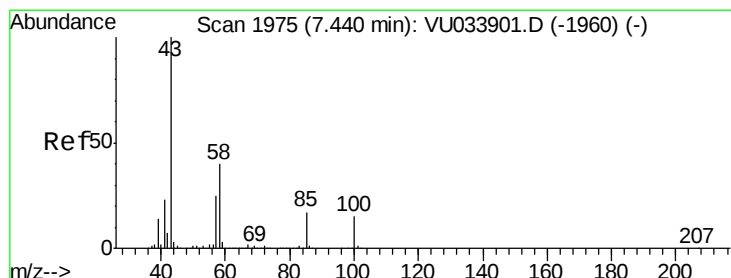
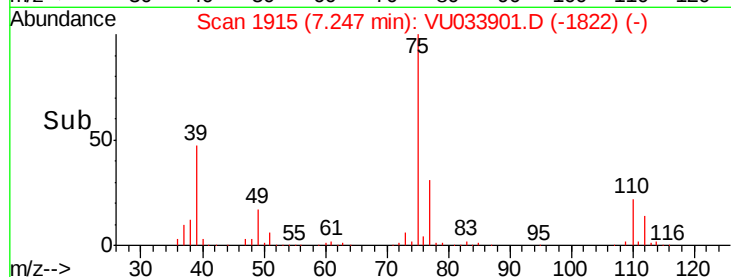
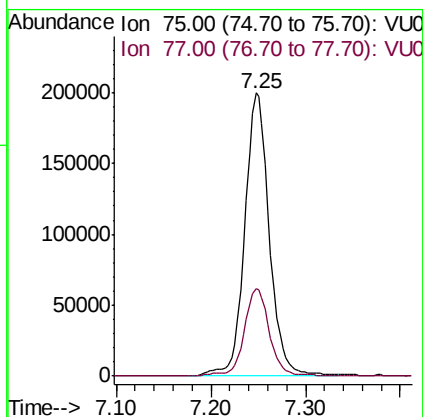
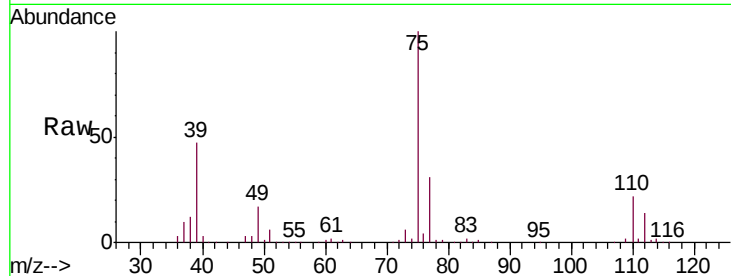




#39
 cis-1,3-Dichloropropene
 Concen: 51.546 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

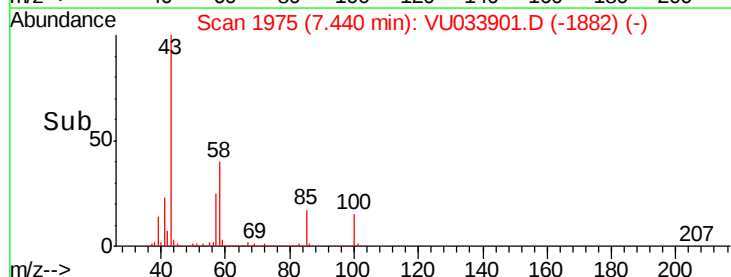
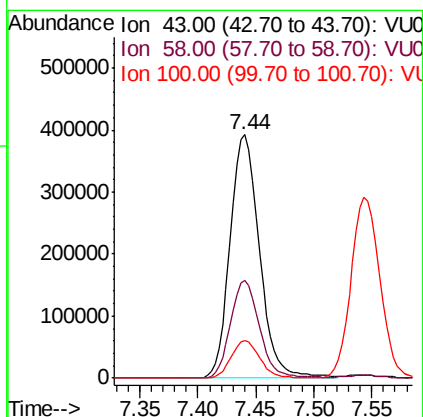
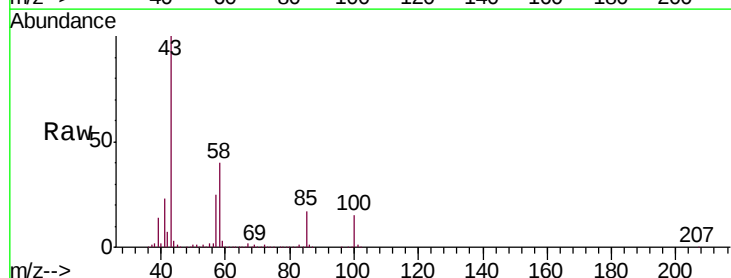
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

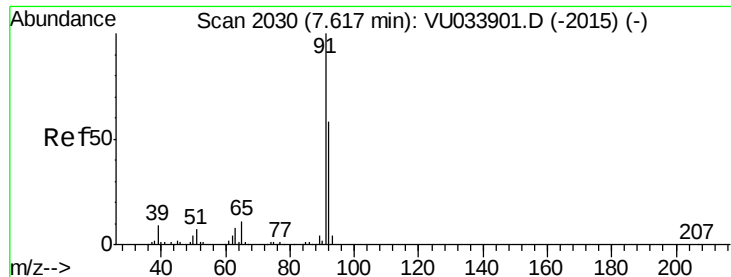
Tgt Ion: 75 Resp: 360269
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 118.458 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Tgt Ion: 43 Resp: 690554
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 15.0 12.0 18.0





#42

Toluene

Concen: 50.221 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

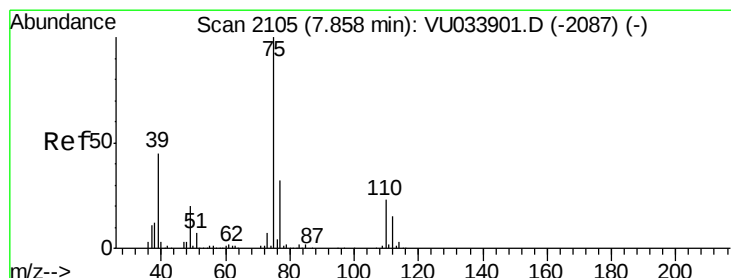
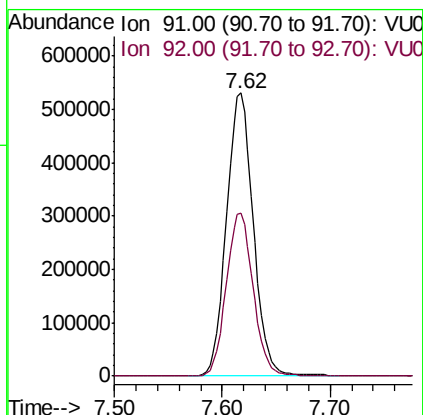
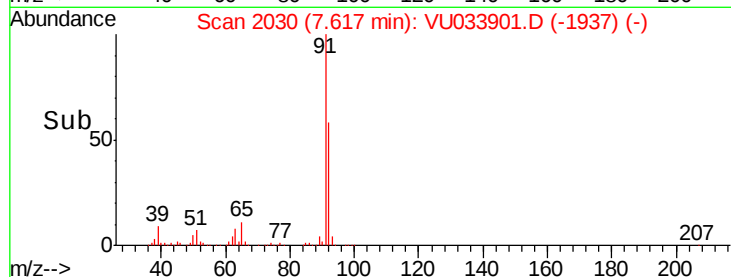
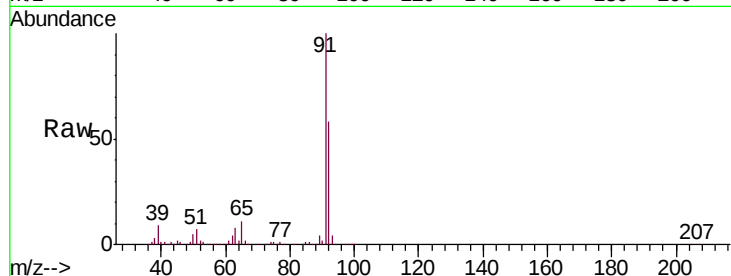
VSTD05031

Tgt Ion: 91 Resp: 920734

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 50.641 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU033901.D

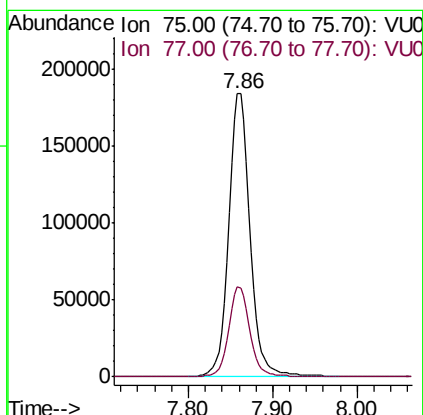
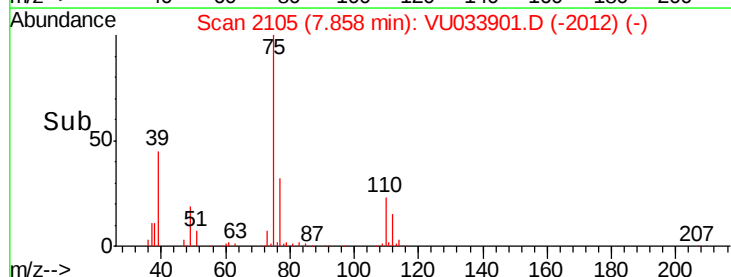
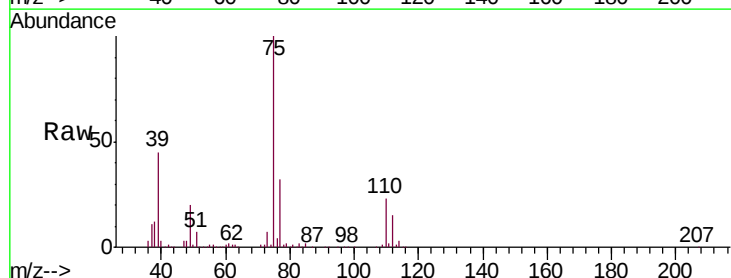
Acq: 22 Aug 2019 15:37

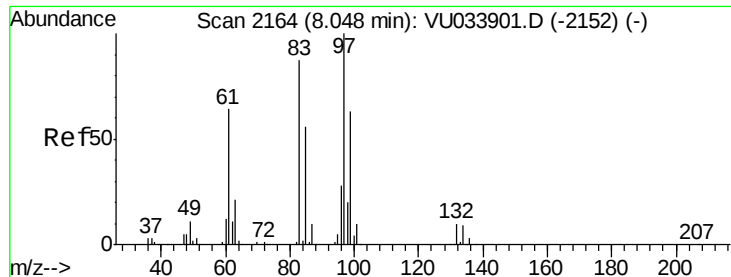
Tgt Ion: 75 Resp: 324382

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

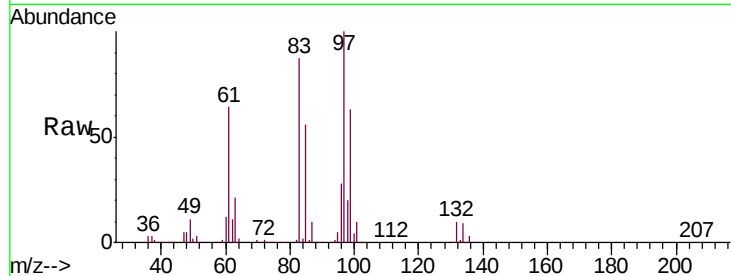




#45
 1,1,2-Trichloroethane
 Concen: 48.783 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

Tgt Ion:	97	Resp:	218143
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	87.4	61.2	113.6
85	55.7	39.0	72.4



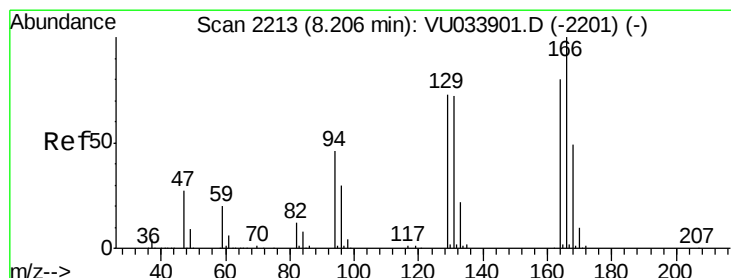
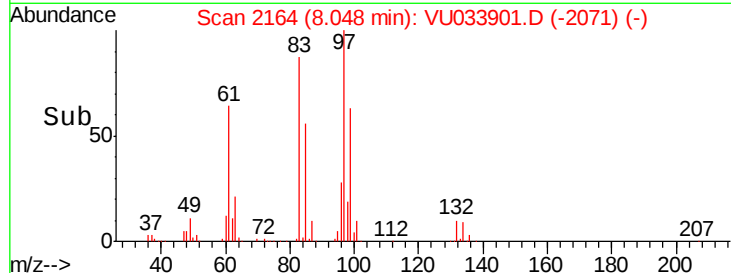
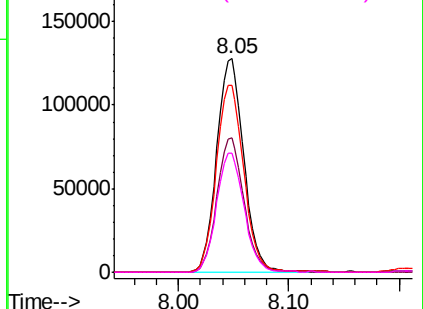
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

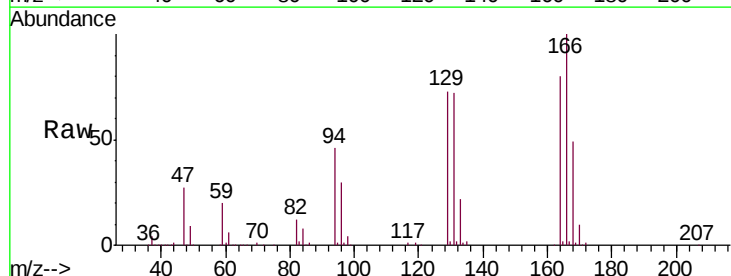
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 46.643 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Tgt Ion:	164	Resp:	172164
Ion	Ratio	Lower	Upper
164	100		
129	91.3	63.9	118.7
131	89.3	62.5	116.1
166	124.7	87.3	162.1



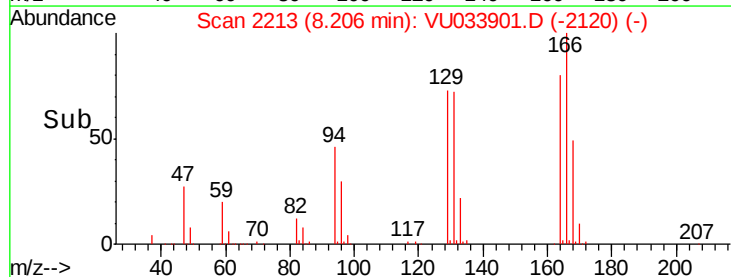
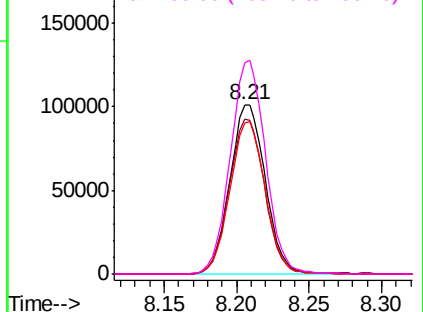
Abundance

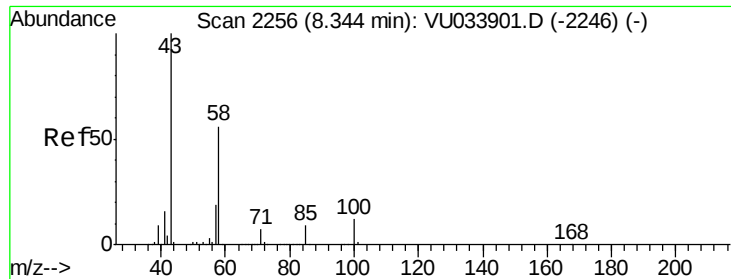
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

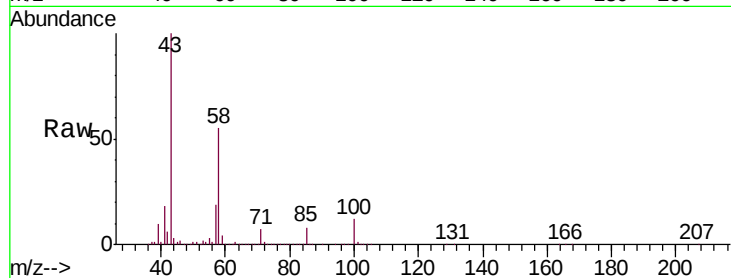




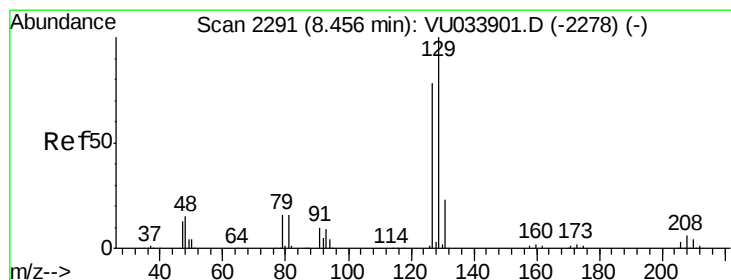
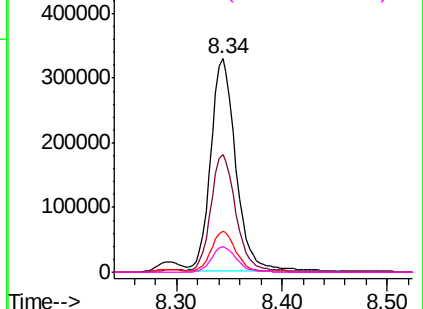
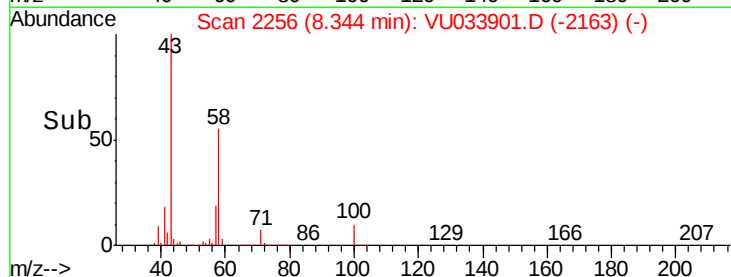
#48
2-Hexanone
Concen: 119.839 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05031

Tgt Ion:	43	Resp:	545535
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.3	66.5
57	19.1	15.3	22.9
100	11.8	9.4	14.2

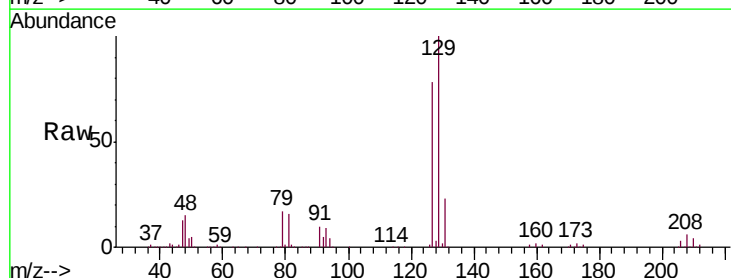


Abundance Ion 43.00 (42.70 to 43.70): VU033901.D (-2246) (-)
Ion 58.00 (57.70 to 58.70): VU033901.D (-2246) (-)
Ion 57.00 (56.70 to 57.70): VU033901.D (-2246) (-)
Ion 100.00 (99.70 to 100.70): VU033901.D (-2246) (-)

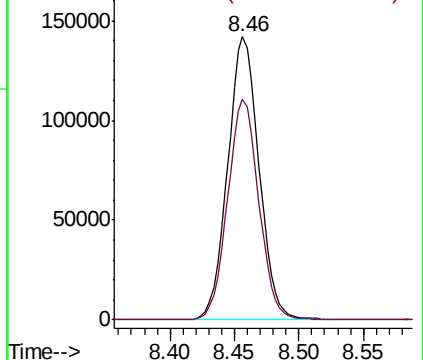
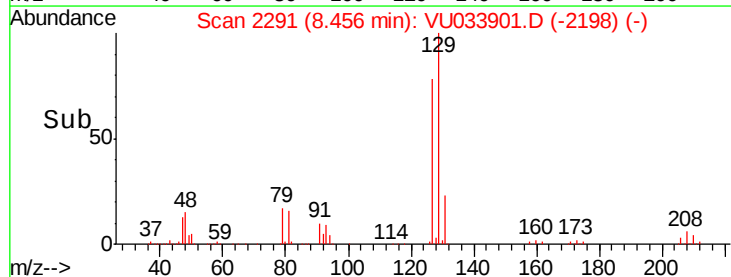


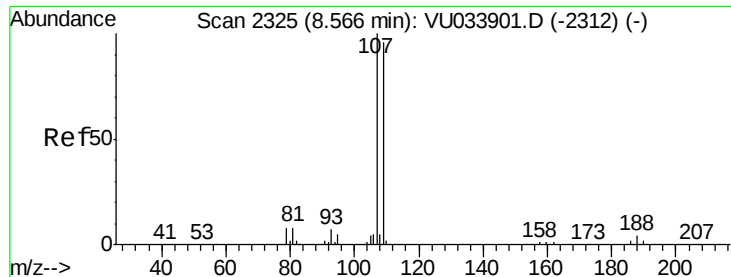
#49
Dibromochloromethane
Concen: 47.820 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033901.D
Acq: 22 Aug 2019 15:37

Tgt Ion:	129	Resp:	239593
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.5	101.3



Abundance Ion 129.00 (128.70 to 129.70): VU033901.D (-2278) (-)
Ion 127.00 (126.70 to 127.70): VU033901.D (-2278) (-)

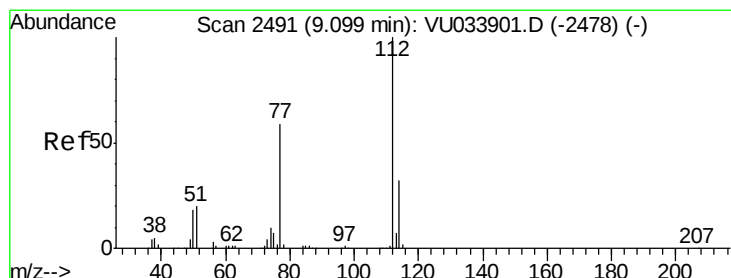
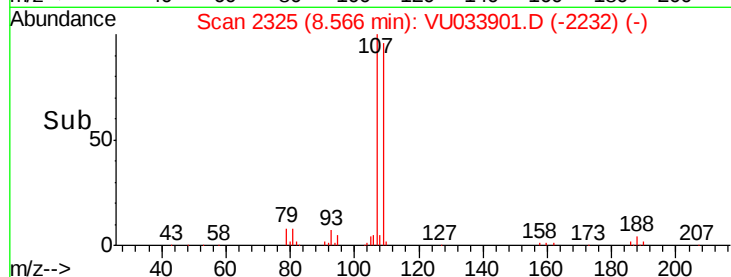
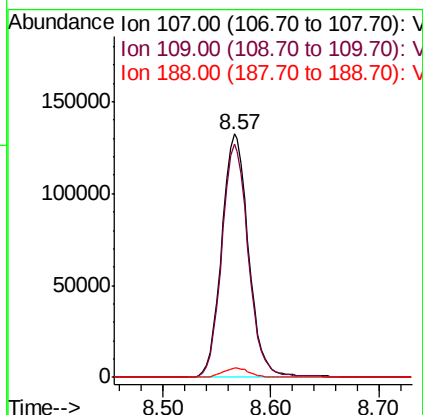
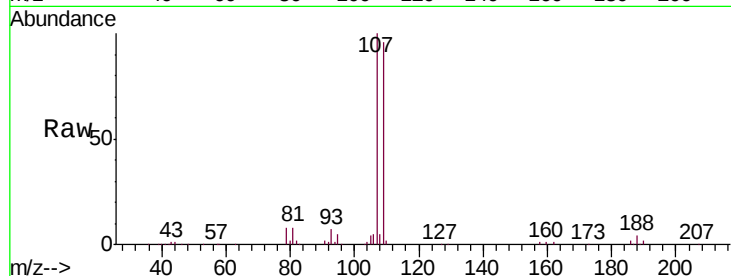




#50
 1,2-Dibromoethane
 Concen: 48.536 ug/L
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

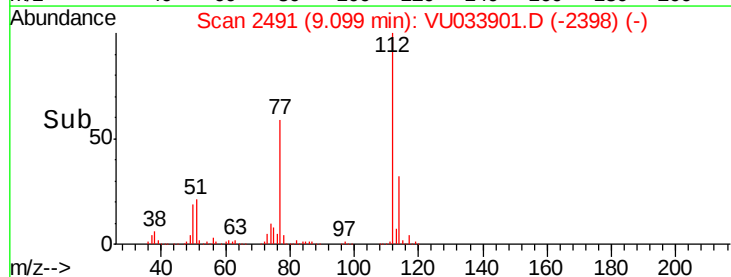
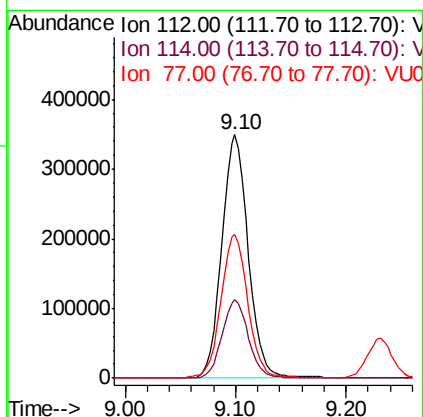
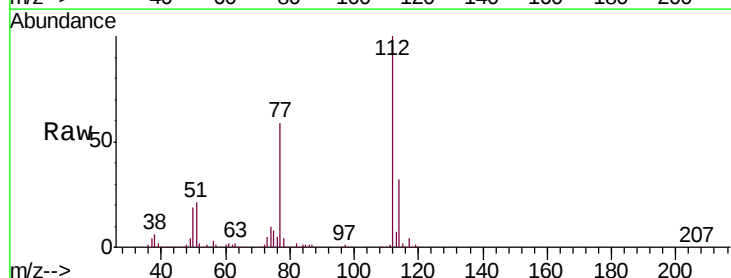
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

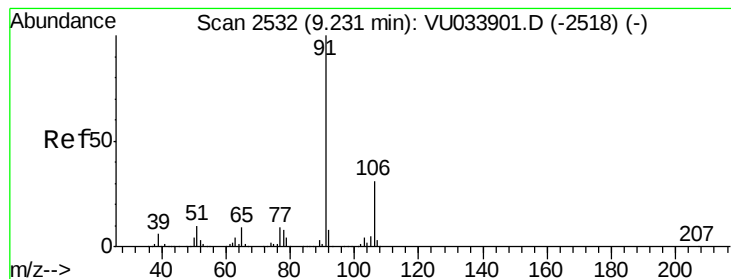
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	66.9	124.3
188	3.7	3.0	4.4



#51
 Chlorobenzene
 Concen: 47.965 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	59.1	47.3	70.9





#52

Ethylbenzene

Concen: 50.646 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

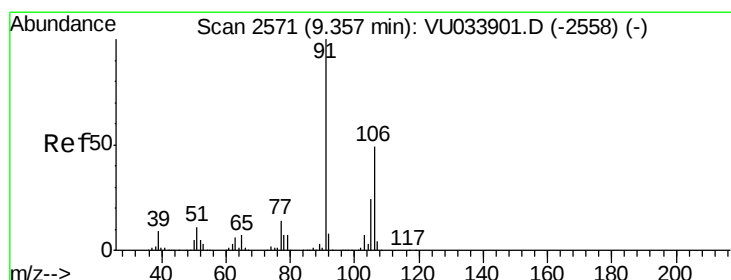
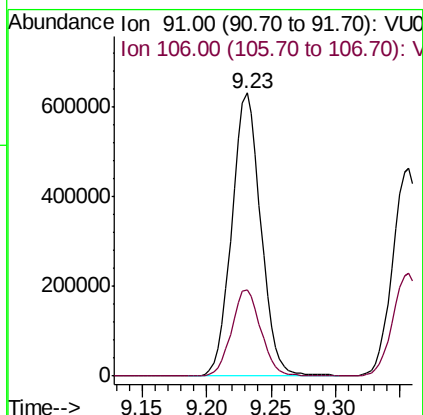
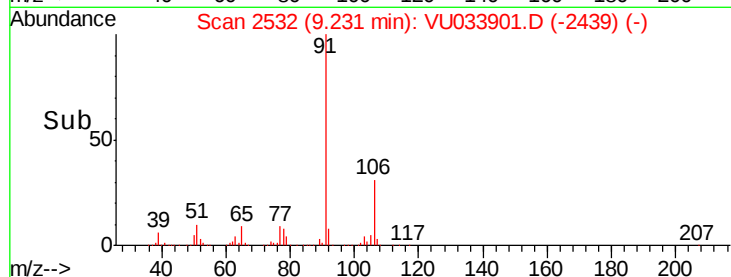
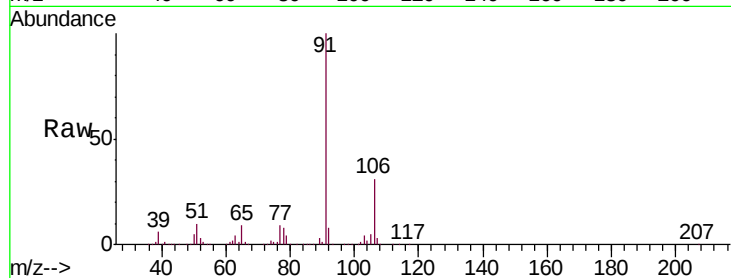
VSTD05031

Tgt Ion: 91 Resp: 987343

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 50.993 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033901.D

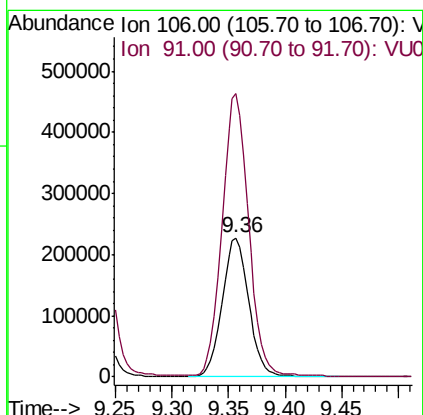
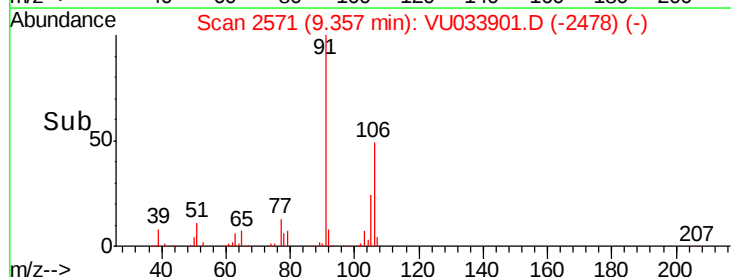
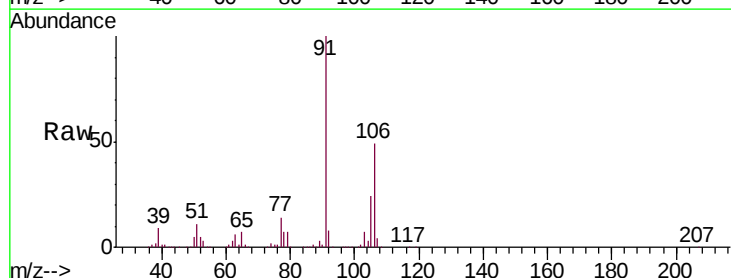
Acq: 22 Aug 2019 15:37

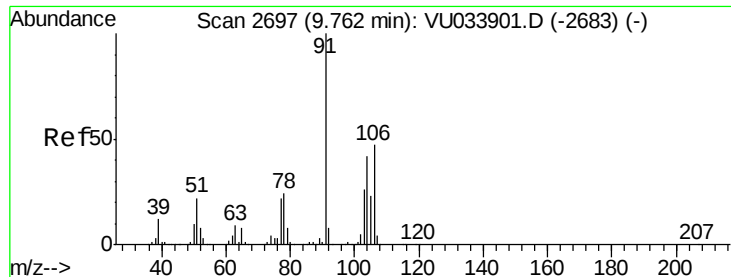
Tgt Ion: 106 Resp: 370891

Ion Ratio Lower Upper

106 100

91 203.1 142.2 264.0





#54

o-xylene

Concen: 51.669 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

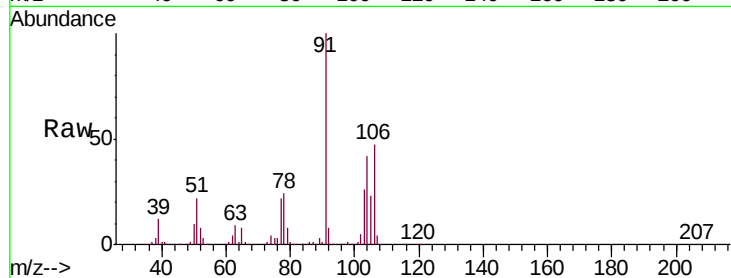
VSTD05031

Tgt Ion:106 Resp: 364994

Ion Ratio Lower Upper

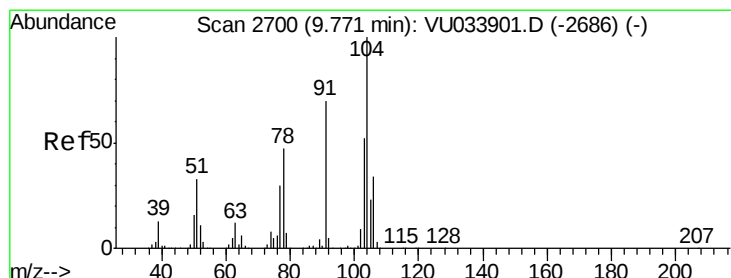
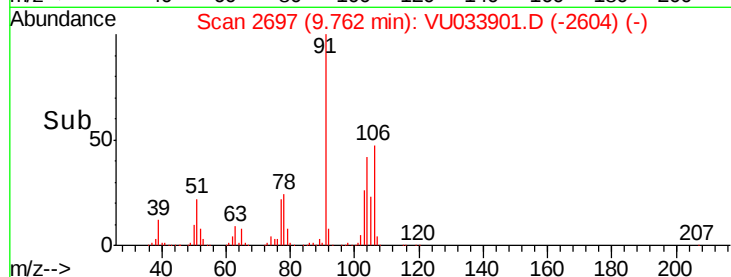
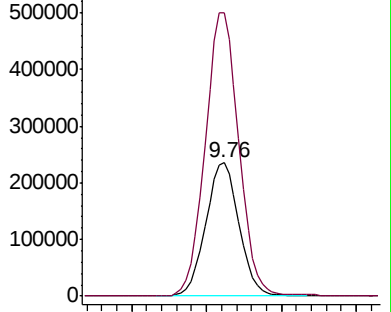
106 100

91 212.3 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.734 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU033901.D

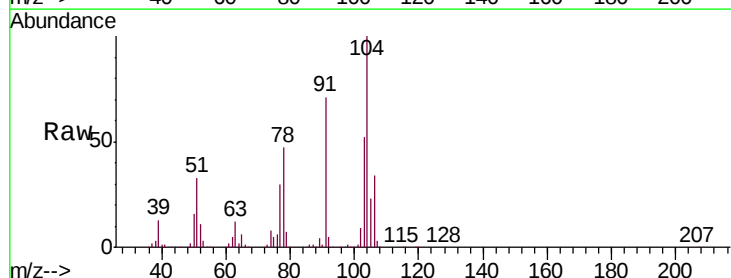
Acq: 22 Aug 2019 15:37

Tgt Ion:104 Resp: 637348

Ion Ratio Lower Upper

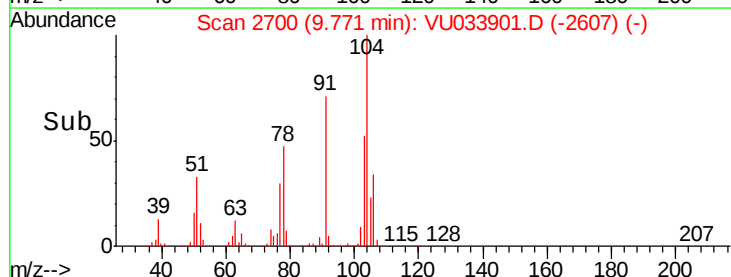
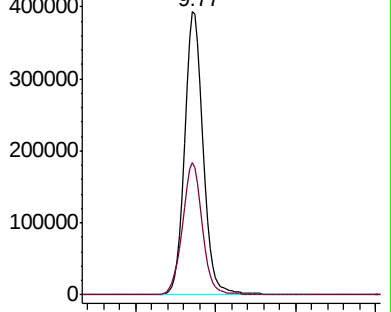
104 100

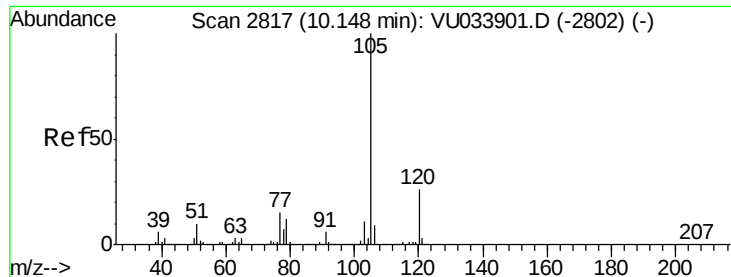
78 46.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.278 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

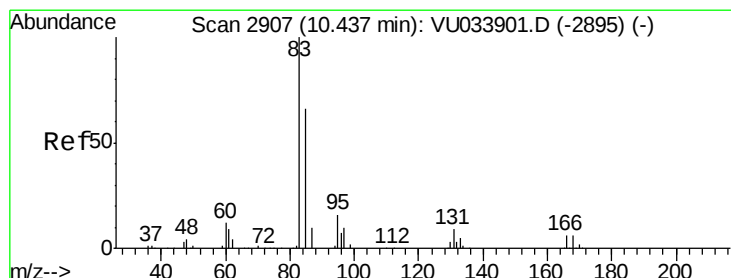
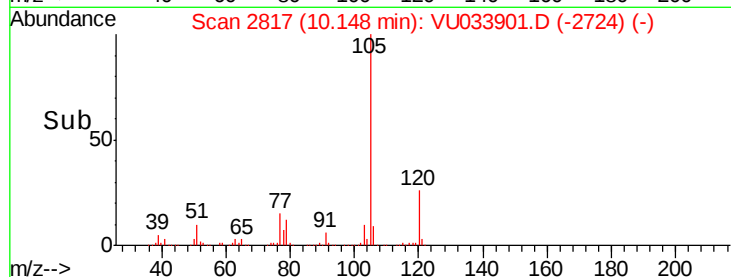
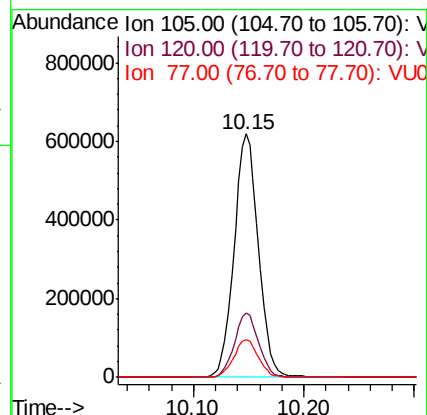
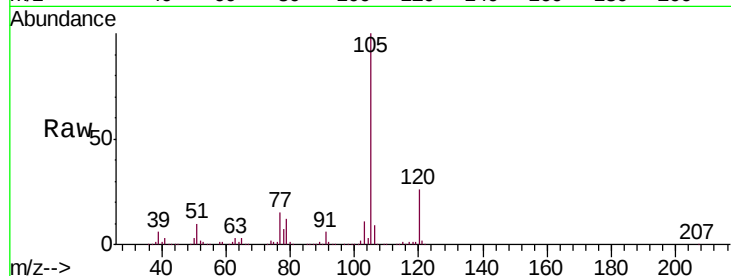
Tgt Ion: 105 Resp: 946486

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 15.7 12.6 18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 51.252 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

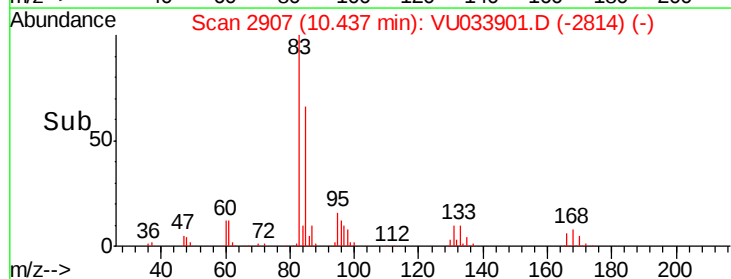
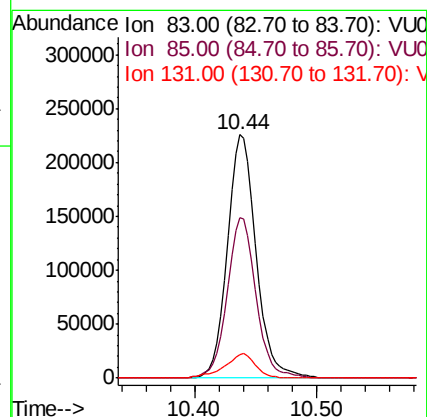
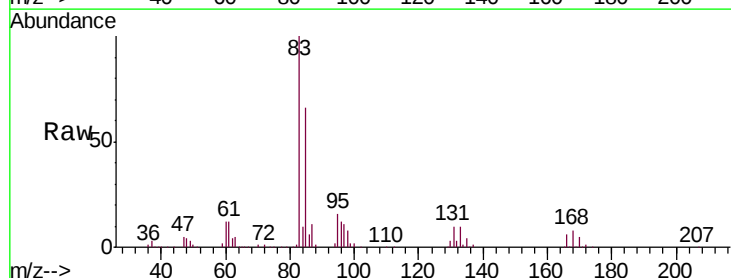
Tgt Ion: 83 Resp: 374236

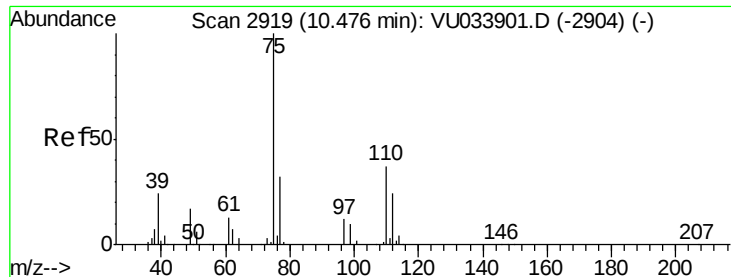
Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9

131 9.9 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 51.641 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

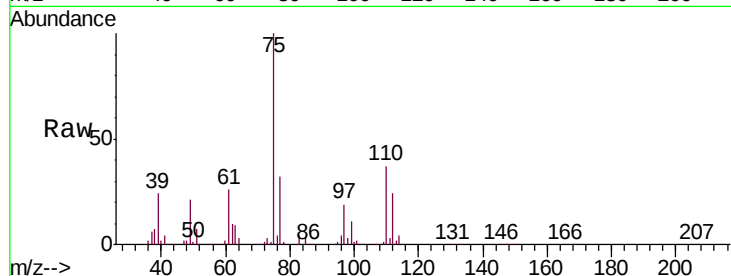
VSTD05031

Tgt Ion: 75 Resp: 300902

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033901.D (-2904) (-)

Ion 77.00 (76.70 to 77.70): VU033901.D (-2904) (-)

10.48

200000

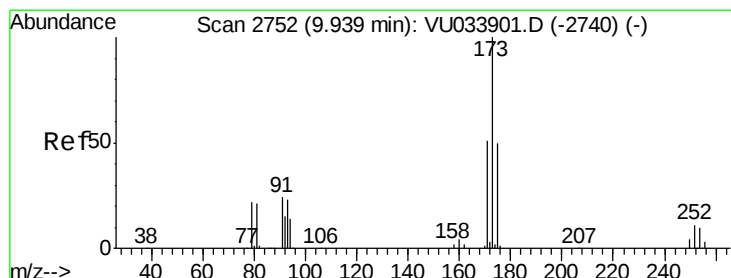
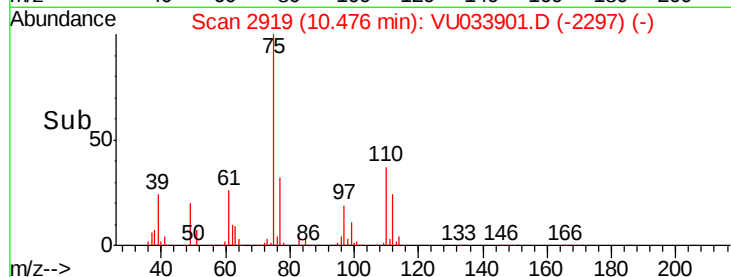
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 49.085 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

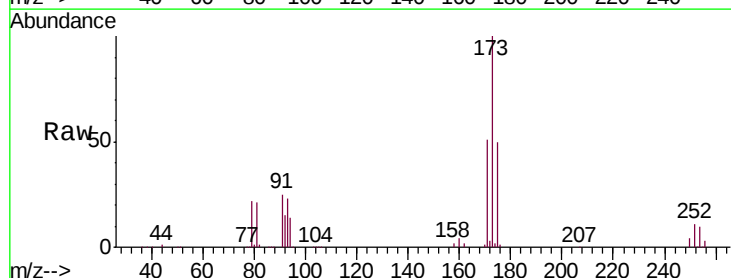
Tgt Ion: 173 Resp: 179608

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

254 10.6 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VU033901.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033901.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033901.D (-2740) (-)

9.94

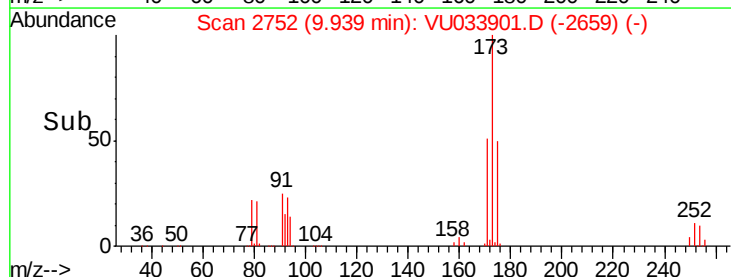
150000

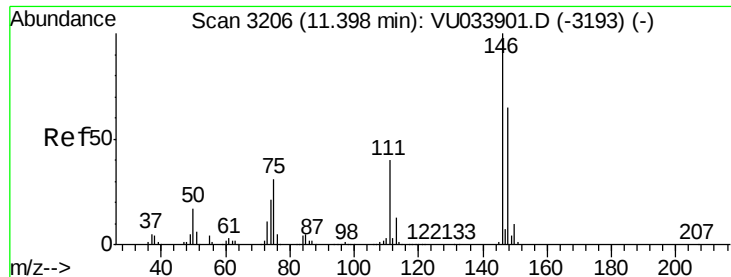
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.022 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

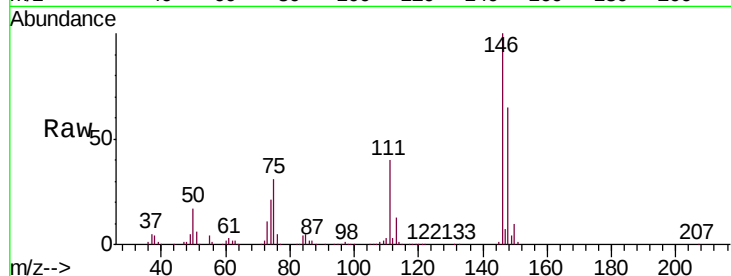
Tgt Ion:146 Resp: 450349

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

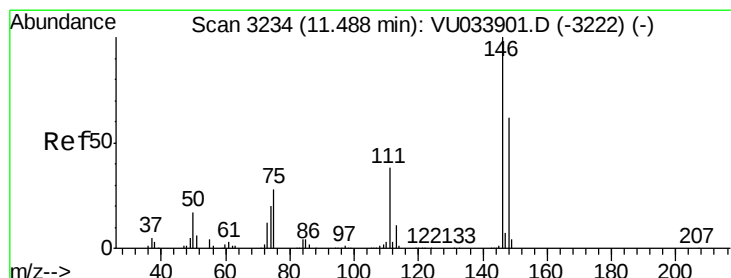
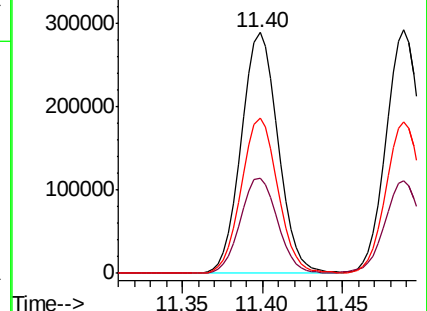
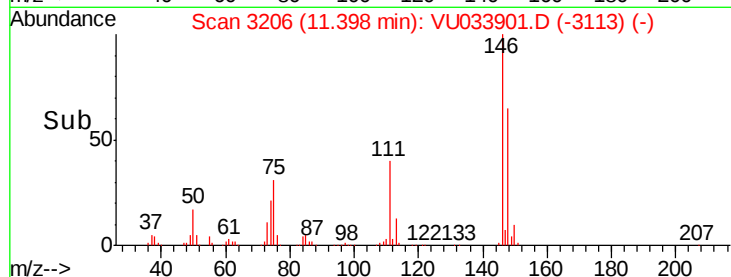
148 64.5 45.1 83.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.286 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

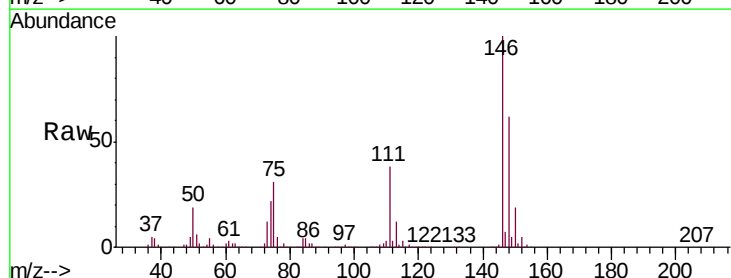
Tgt Ion:146 Resp: 459132

Ion Ratio Lower Upper

146 100

111 38.1 26.7 49.5

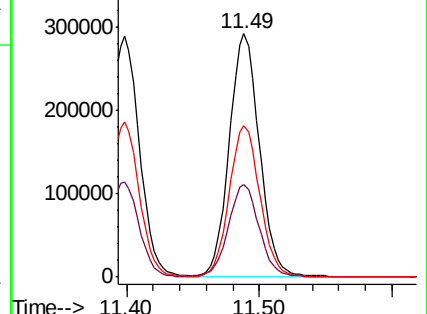
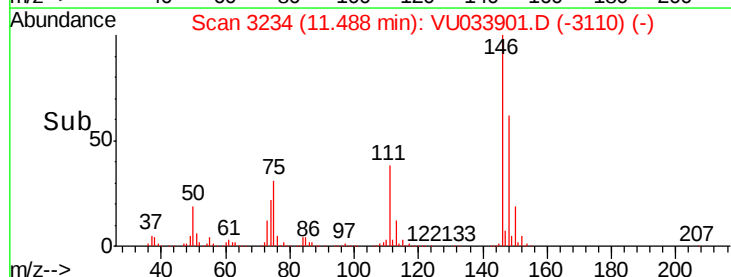
148 62.2 43.5 80.9

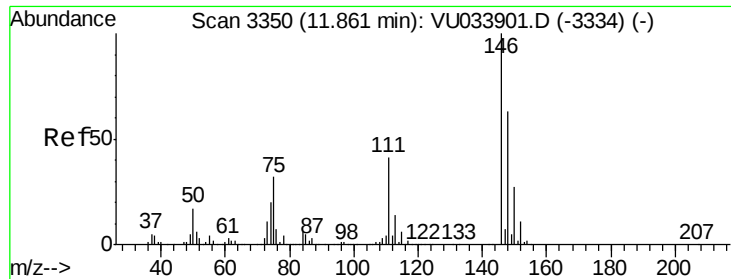


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

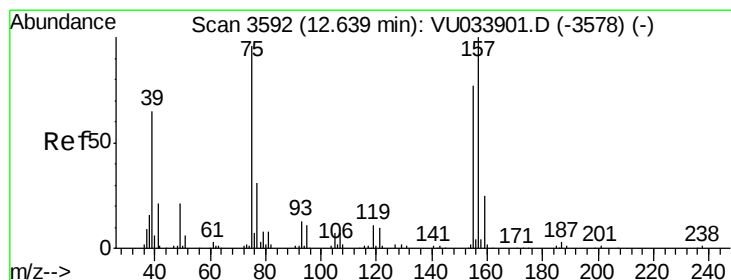
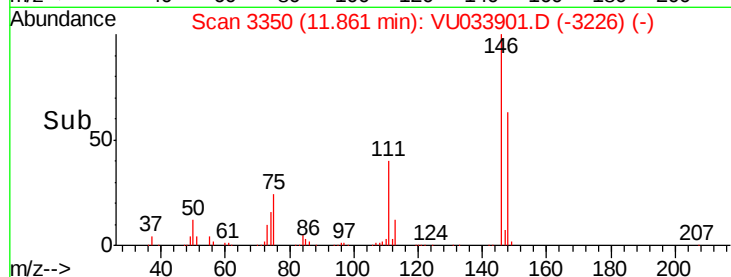
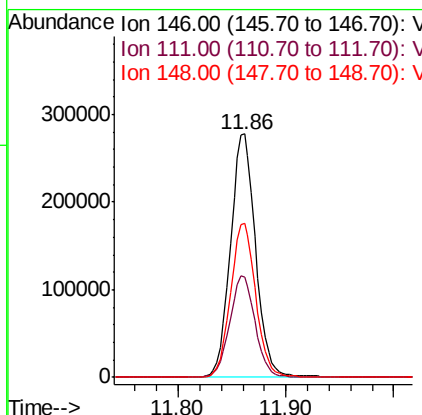
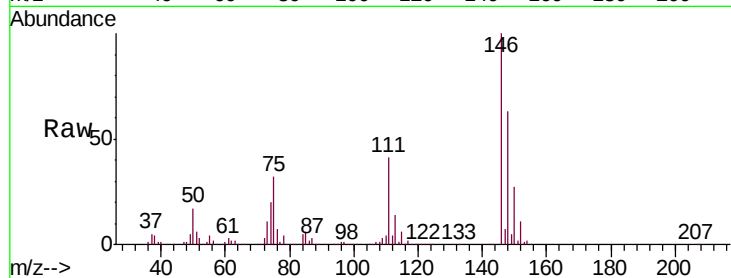




#65
 1,2-Dichlorobenzene
 Concen: 48.952 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

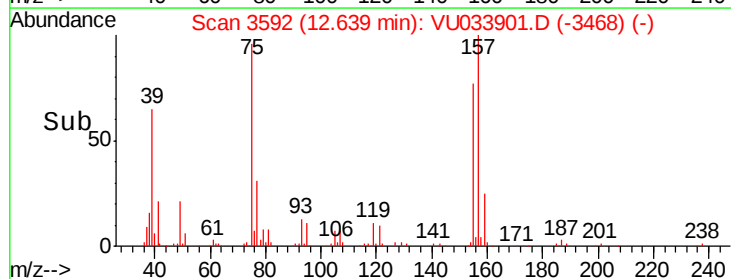
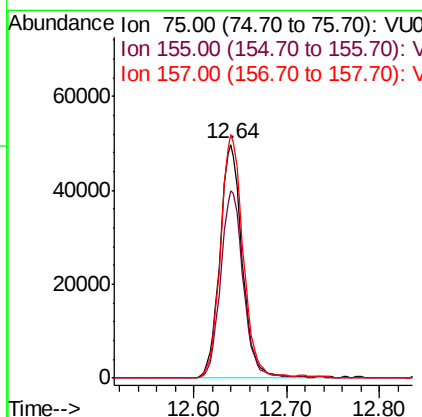
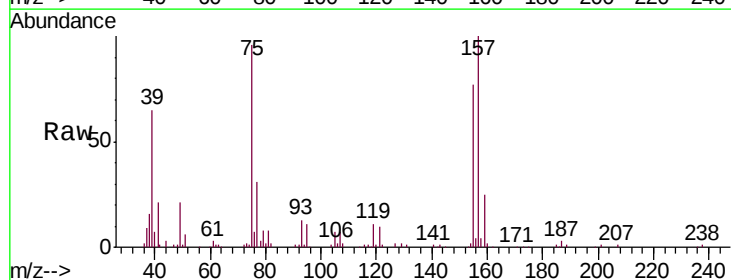
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05031

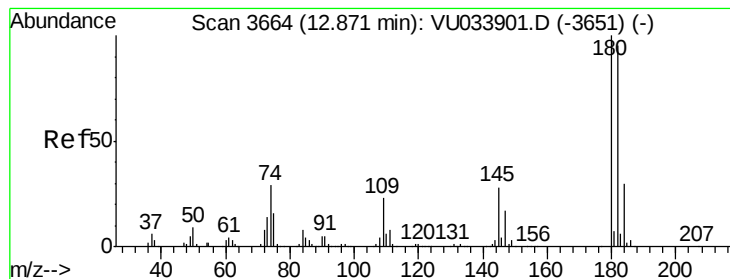
Tgt Ion: 146 Resp: 450272
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.1 49.7
 148 63.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.264 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033901.D
 Acq: 22 Aug 2019 15:37

Tgt Ion: 75 Resp: 83666
 Ion Ratio Lower Upper
 75 100
 155 80.4 64.3 96.5
 157 104.3 83.4 125.2





#67

1,3,5-Trichlorobenzene

Concen: 48.633 ug/L

RT: 12.87 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

Tgt Ion:180 Resp: 343925

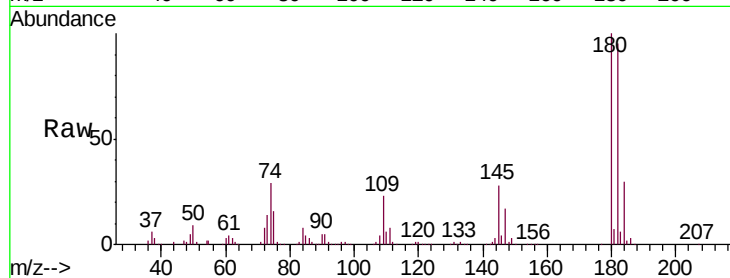
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.1 24.1 36.1

145 28.0 22.4 33.6

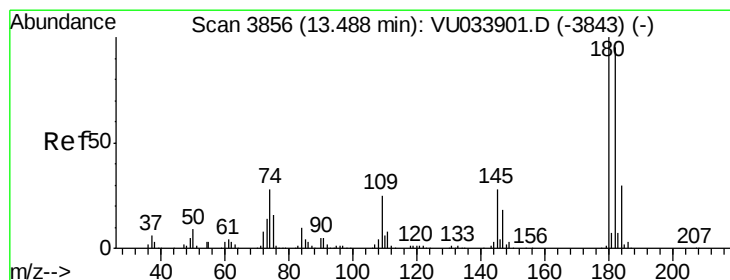
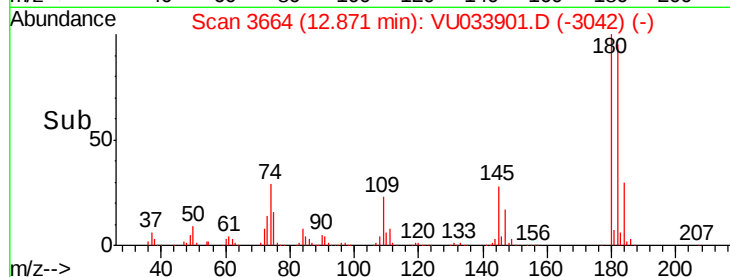
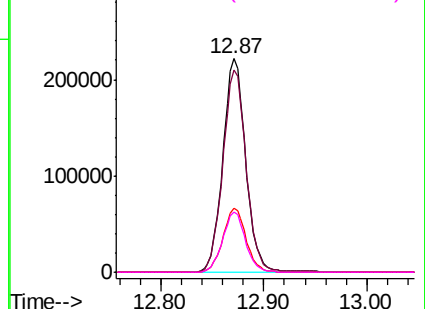


Abundance Ion 180.00 (179.70 to 180.70): V

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: 49.645 ug/L

RT: 13.49 min Scan# 3856

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

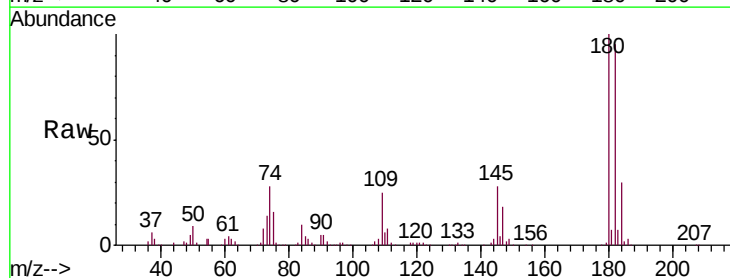
Tgt Ion:180 Resp: 288367

Ion Ratio Lower Upper

180 100

182 96.0 76.8 115.2

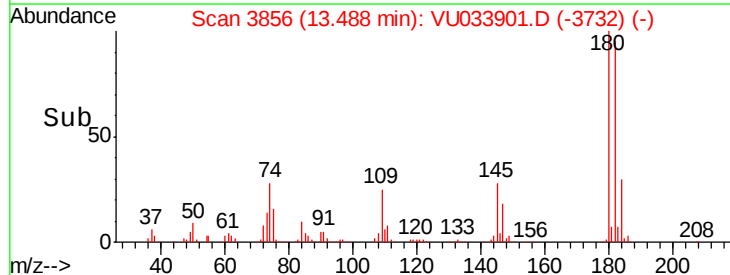
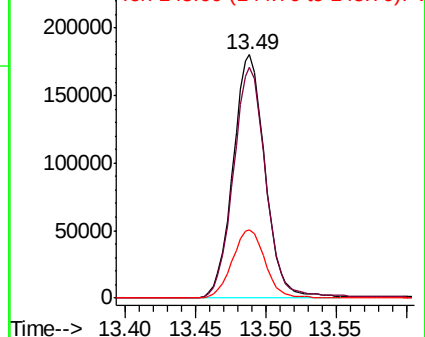
145 28.5 22.8 34.2

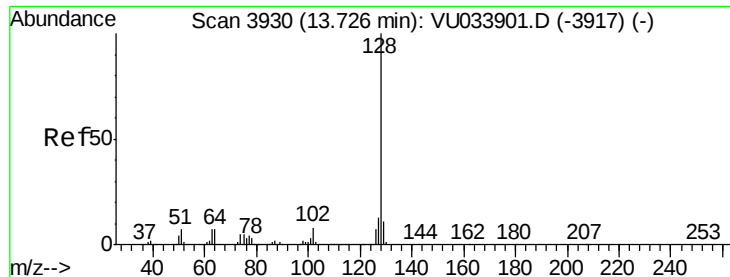


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.141 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05031

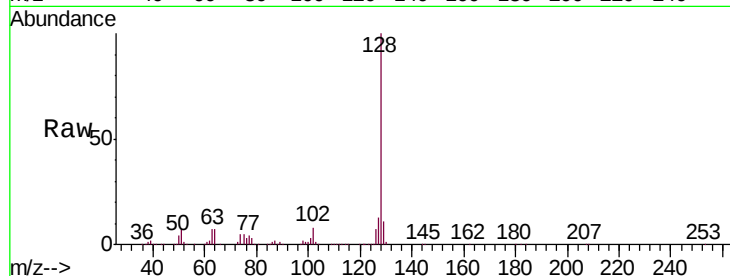
Tgt Ion:128 Resp: 915814

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

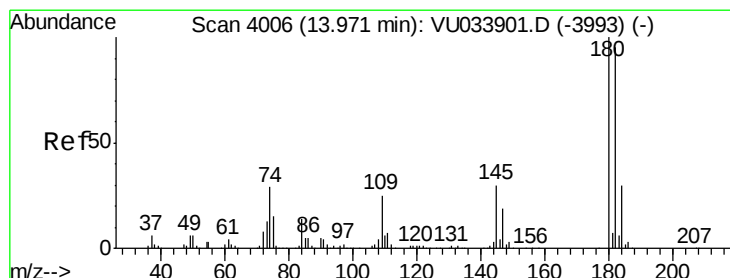
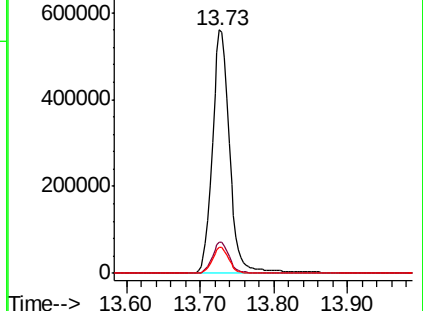
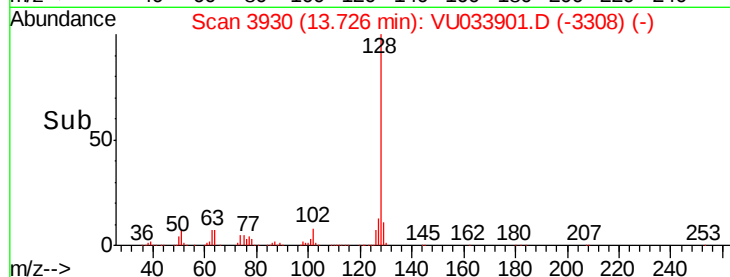
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.310 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033901.D

Acq: 22 Aug 2019 15:37

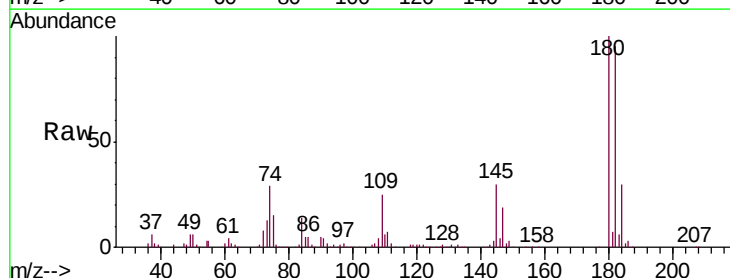
Tgt Ion:180 Resp: 314971

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 29.9 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

