

Data File : VU033633.D
Acq On : 08 Aug 2019 13:12
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Quant Time: Aug 09 07:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 08 15:37:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	325983	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	317047	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	168615	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	165761	45.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.08%
7) Chloroethane-d5	1.67	69	168181	53.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.98%
11) 1,1-Dichloroethene-d2	2.26	63	272336	45.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.56%
21) 2-Butanone-d5	4.16	46	262562	97.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.42%
24) Chloroform-d	4.62	84	278415	45.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	5.29	65	178265	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
32) Benzene-d6	5.32	84	564534	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
36) 1,2-Dichloropropane-d6	6.31	67	180283	47.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.92%
41) Toluene-d8	7.55	98	528976	48.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.78%
43) trans-1,3-Dichloropropene-	7.83	79	92381	50.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.42%
47) 2-Hexanone-d5	8.30	63	191875	101.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.95%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	274099	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.84	152	219764	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	133629	44.517	ug/L	99
3) Chloromethane	1.32	50	144041	44.007	ug/L	100
5) Vinyl chloride	1.40	62	157496	44.513	ug/L	99
6) Bromomethane	1.62	94	110139	46.339	ug/L	99
8) Chloroethane	1.69	64	111765	50.644	ug/L	98
9) Trichlorofluoromethane	1.88	101	208338	44.355	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	107206	44.394	ug/L	99
12) 1,1-Dichloroethene	2.27	96	103452	44.863	ug/L	97
13) Acetone	2.32	43	177895	97.035	ug/L	99
14) Carbon disulfide	2.46	76	313396	45.401	ug/L	99
15) Methyl Acetate	2.60	43	135853	45.453	ug/L	99
16) Methylene chloride	2.68	84	120621	44.121	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	108335	45.089	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	349046	46.252	ug/L	99
19) 1,1-Dichloroethane	3.42	63	208367	44.453	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	125433	46.360	ug/L	96
22) 2-Butanone	4.24	43	219017	95.162	ug/L	99

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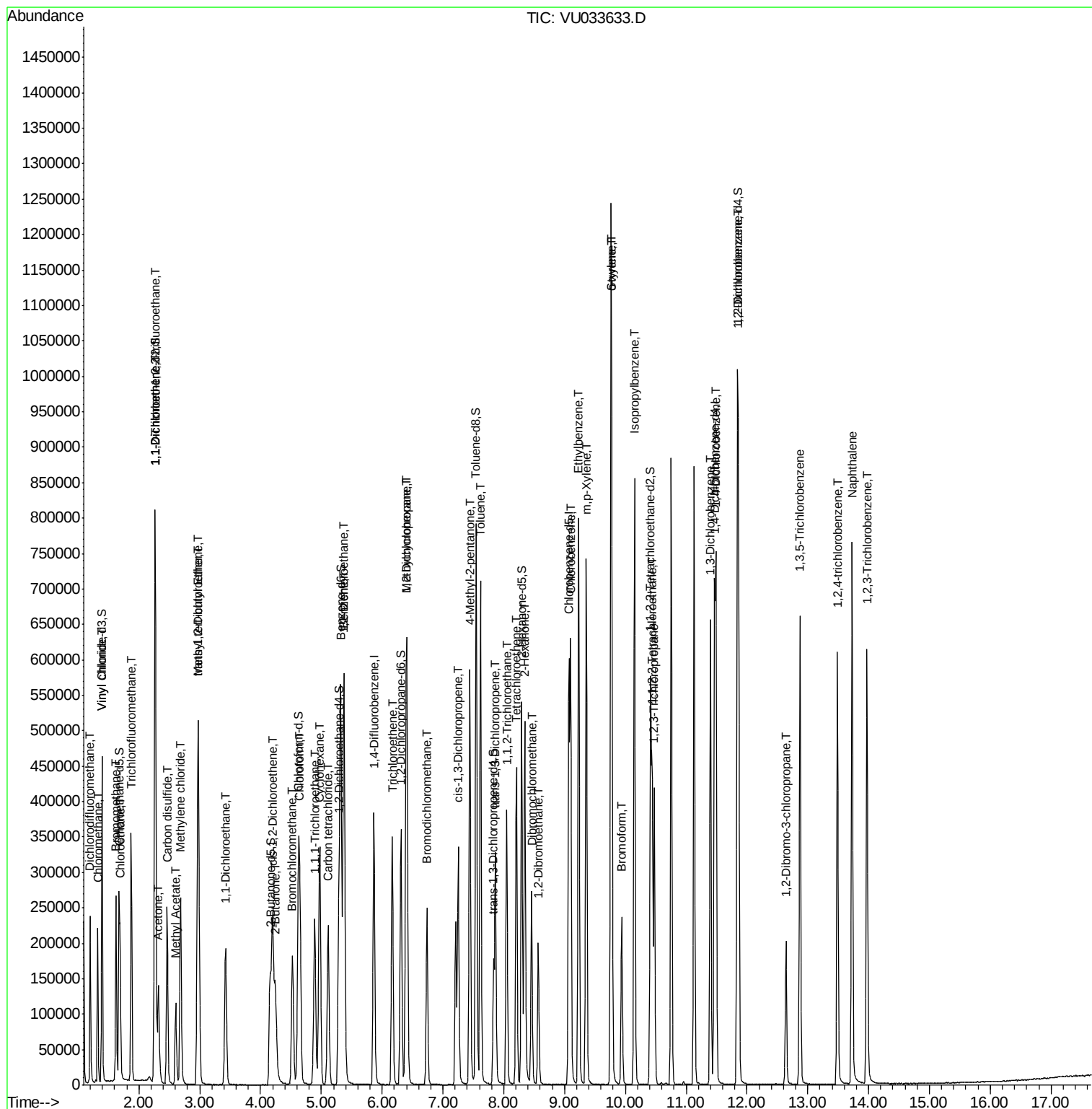
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	62687	43.814	ug/L	99
25) Chloroform	4.65	83	217042	44.204	ug/L	96
27) 1,2-Dichloroethane	5.38	62	169033	44.414	ug/L	99
29) Cyclohexane	4.97	56	178502	48.732	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	182318	45.807	ug/L	99
31) Carbon tetrachloride	5.11	117	163542	46.456	ug/L	99
33) Benzene	5.37	78	467955	46.755	ug/L	100
34) Trichloroethene	6.16	95	120450	46.918	ug/L	99
35) Methylcyclohexane	6.40	83	194373	49.437	ug/L	98
37) 1,2-Dichloropropane	6.41	63	126243	46.669	ug/L	99
38) Bromodichloromethane	6.74	83	161853	46.253	ug/L	100
39) cis-1,3-Dichloropropene	7.25	75	204042	50.674	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	382069	97.360	ug/L	99
42) Toluene	7.62	91	510445	47.557	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	181673	47.936	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	120401	46.704	ug/L	99
46) Tetrachloroethene	8.21	164	100161	48.092	ug/L	97
48) 2-Hexanone	8.35	43	321522	99.378	ug/L	99
49) Dibromochloromethane	8.46	129	135917	46.270	ug/L	99
50) 1,2-Dibromoethane	8.57	107	131695	47.084	ug/L	98
51) Chlorobenzene	9.10	112	327011	46.584	ug/L	98
52) Ethylbenzene	9.23	91	555879	48.206	ug/L	99
53) m,p-Xylene	9.36	106	213871	48.942	ug/L	98
54) o-xylene	9.76	106	209866	48.449	ug/L	100
55) Styrene	9.77	104	362887	49.236	ug/L	99
56) Isopropylbenzene	10.15	105	546025	48.942	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	216193	45.665	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	169810	45.976	ug/L	99
61) Bromoform	9.94	173	106933	47.314	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	273725	48.331	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	276429	47.216	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	278705	48.520	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	51207	47.861	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	212767	49.697	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	193106	53.961	ug/L	97
69) Naphthalene	13.73	128	602781	57.673	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	200225	53.594	ug/L	99

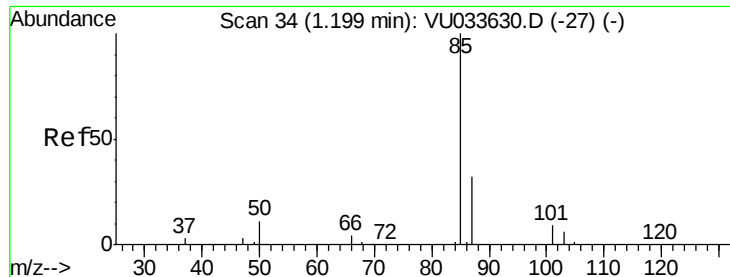
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 44.517 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

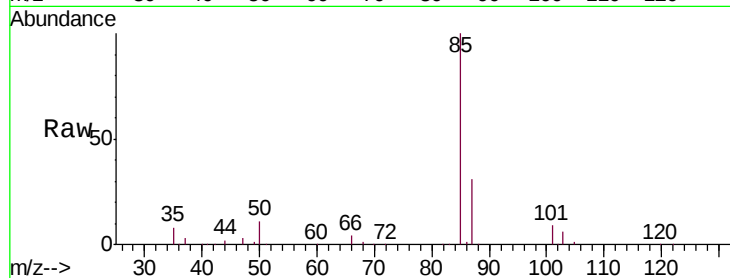
VICV36

Tgt Ion: 85 Resp: 133629

Ion Ratio Lower Upper

85 100

87 31.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU033633.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033633.D (-1) (-)

1.20

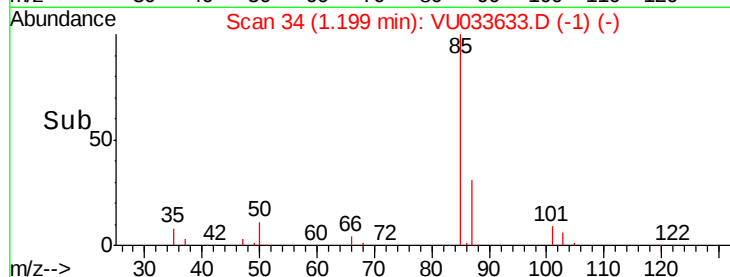
150000

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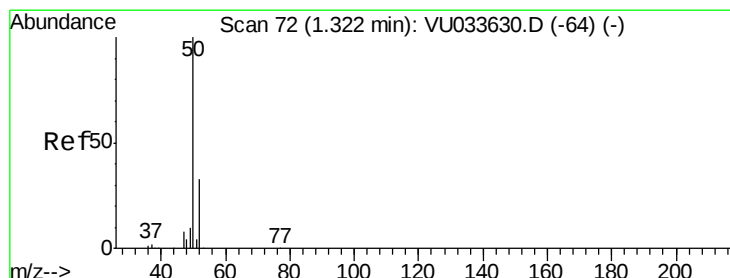
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 44.007 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033633.D

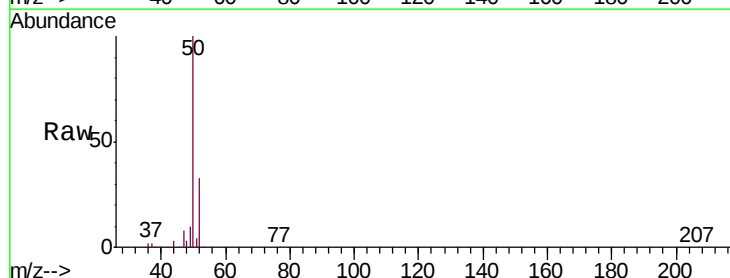
Acq: 08 Aug 2019 13:12

Tgt Ion: 50 Resp: 144041

Ion Ratio Lower Upper

50 100

52 33.1 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033633.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033633.D (-1) (-)

1.32

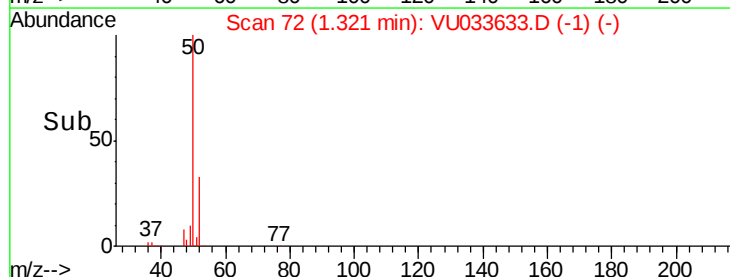
150000

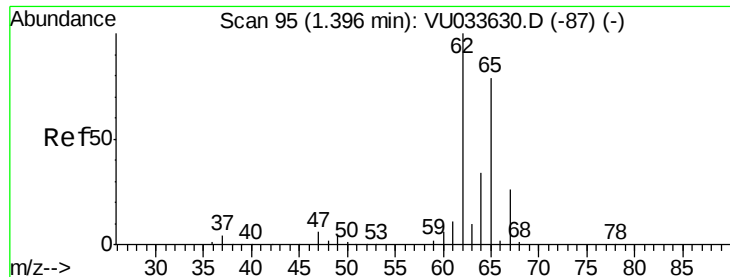
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 44.513 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

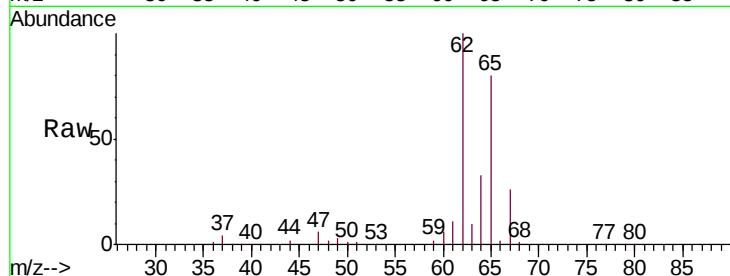
VICV36

Tgt Ion: 62 Resp: 157496

Ion Ratio Lower Upper

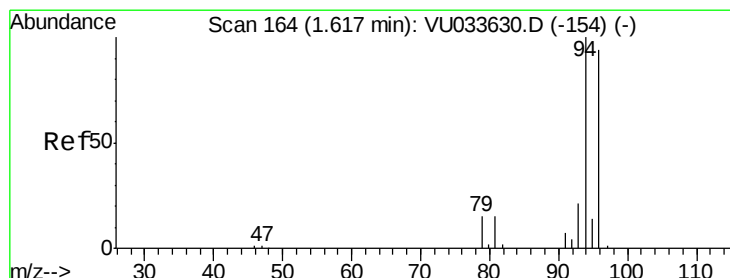
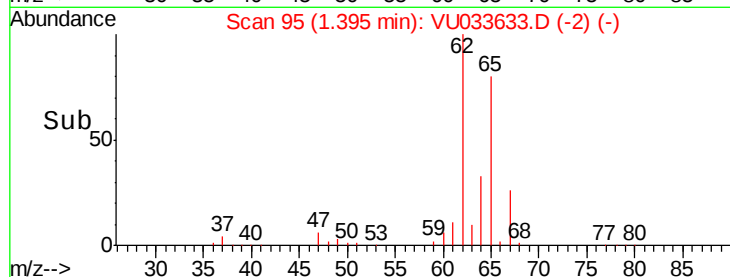
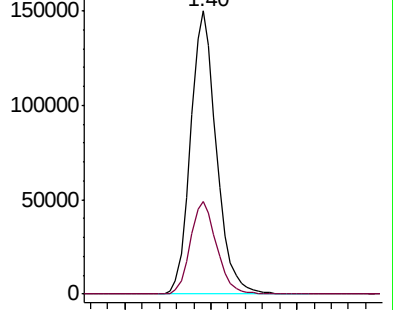
62 100

64 32.9 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU033633.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU033633.D (-87) (-)



#6

Bromomethane

Concen: 46.339 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU033633.D

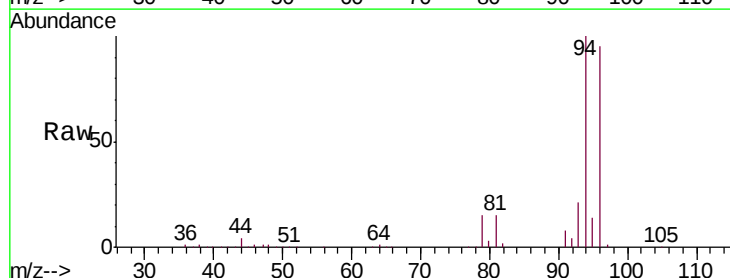
Acq: 08 Aug 2019 13:12

Tgt Ion: 94 Resp: 110139

Ion Ratio Lower Upper

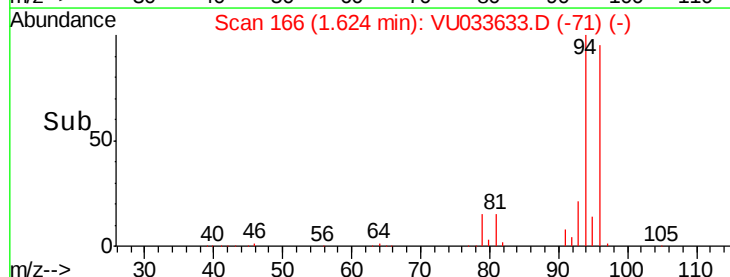
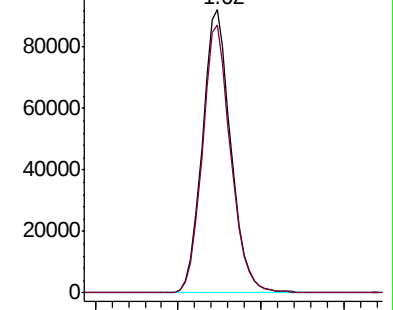
94 100

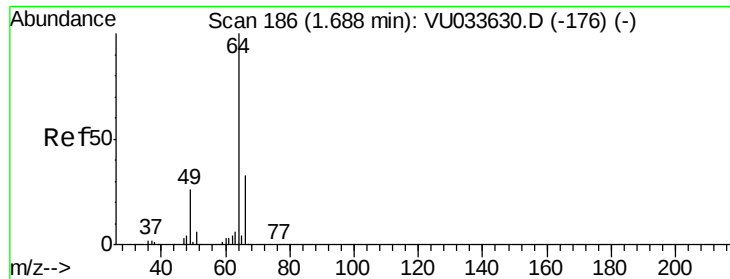
96 94.6 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VU033633.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU033633.D (-154) (-)





#8

Chloroethane

Concen: 50.644 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

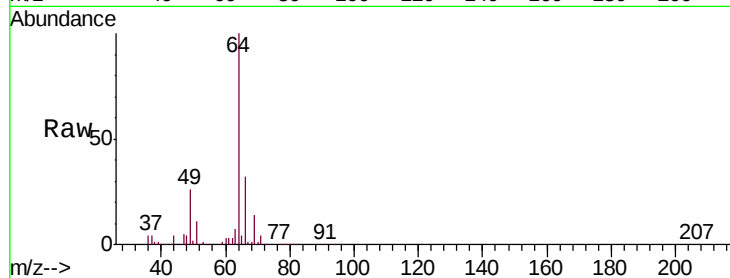
VICV36

Tgt Ion: 64 Resp: 111765

Ion Ratio Lower Upper

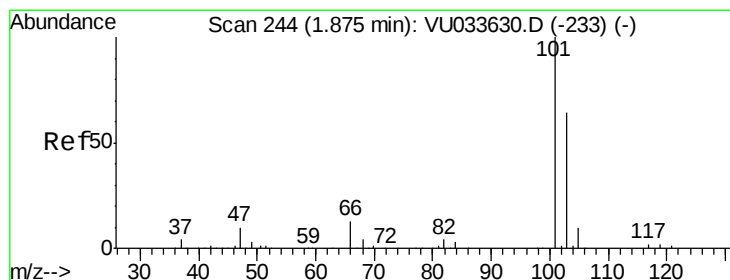
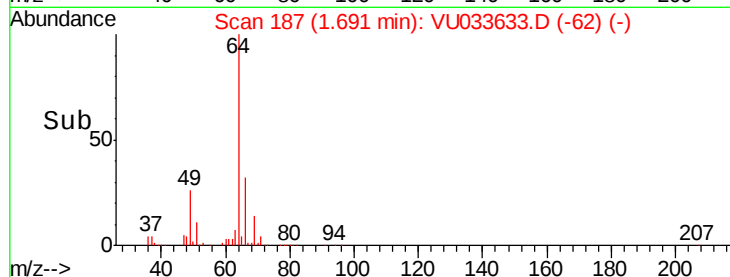
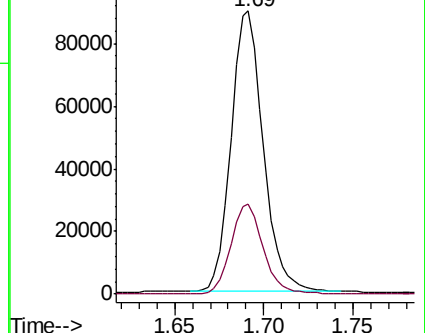
64 100

66 31.6 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU033633.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033633.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 44.355 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033633.D

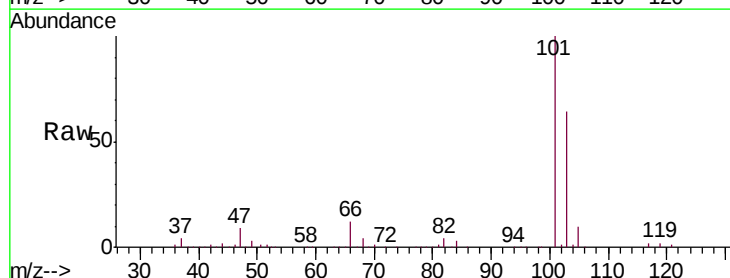
Acq: 08 Aug 2019 13:12

Tgt Ion: 101 Resp: 208338

Ion Ratio Lower Upper

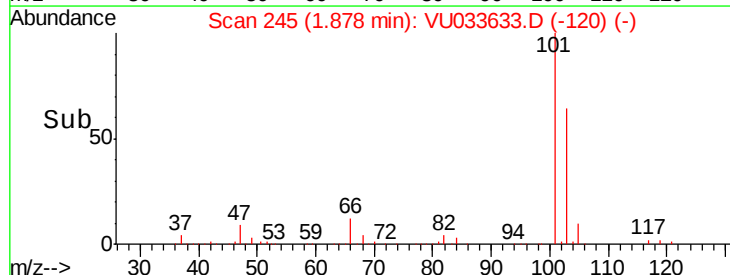
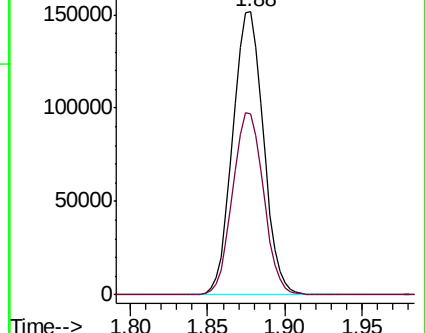
101 100

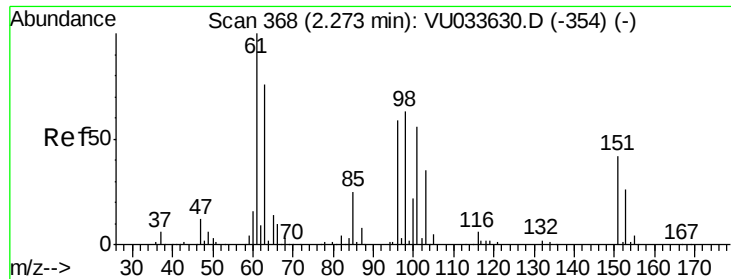
103 64.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU033633.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033633.D (-233) (-)





#10

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

Concen: 44.394 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033633.D

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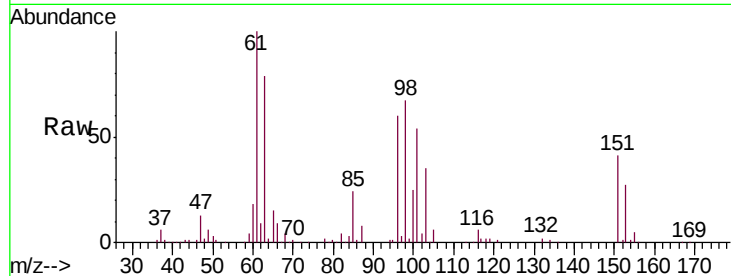
Tgt Ion:101 Resp: 107206

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

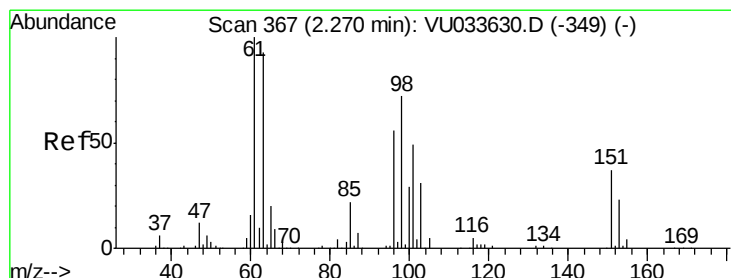
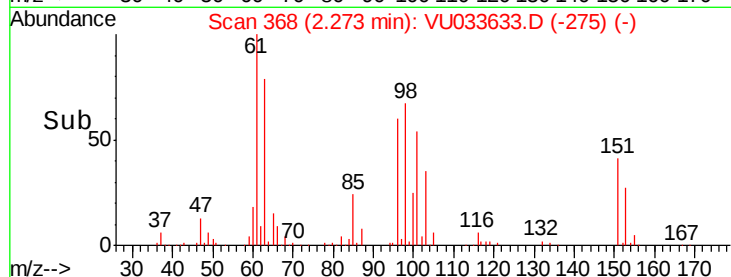
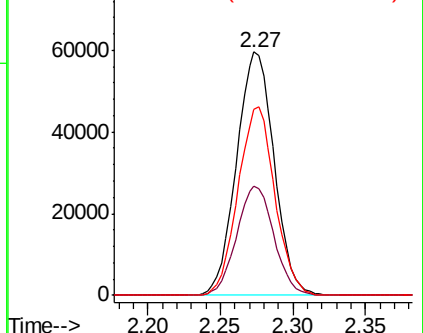
151 76.0 60.4 90.6



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: 44.863 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

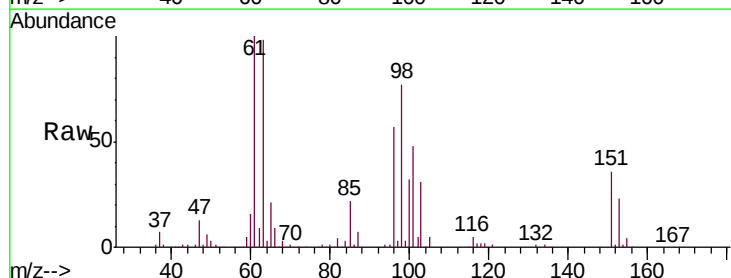
Tgt Ion: 96 Resp: 103452

Ion Ratio Lower Upper

96 100

61 174.0 124.0 230.2

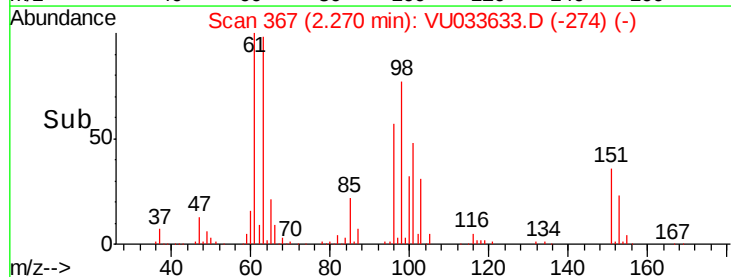
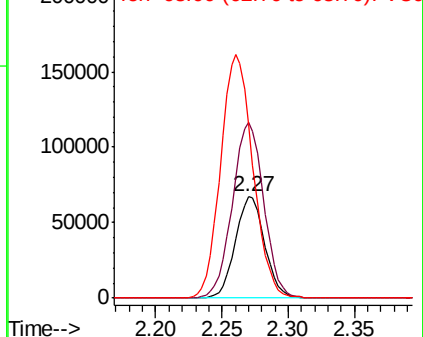
63 170.5 114.9 213.5

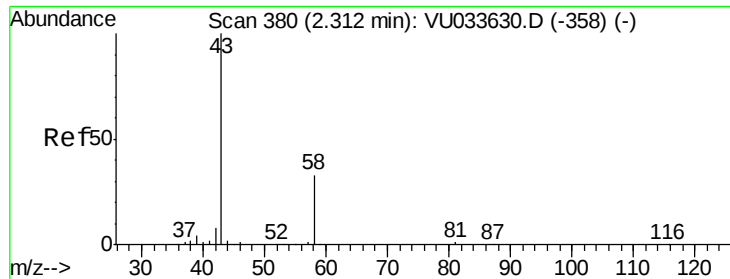


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.035 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU033633.D

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ClientSampleId :

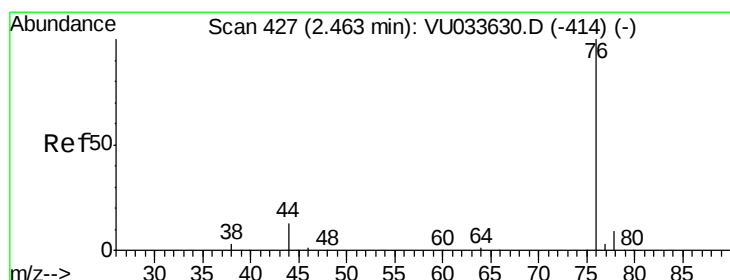
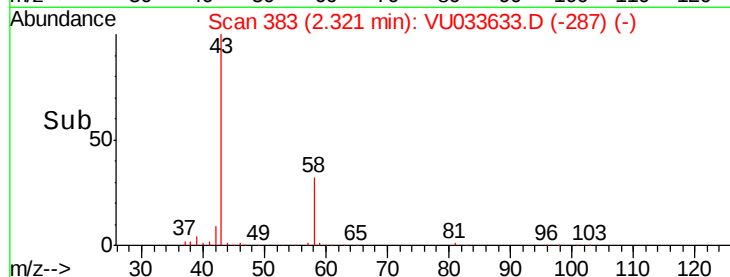
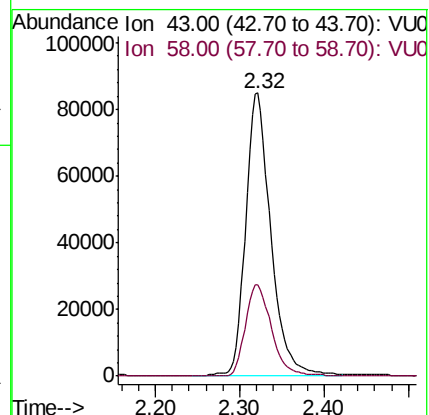
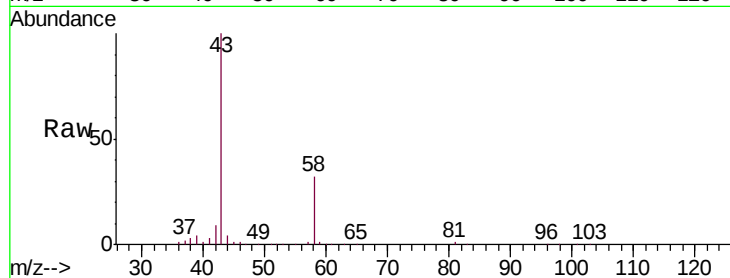
VICV36

Tgt Ion: 43 Resp: 177895

Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.0



#14

Carbon disulfide

Concen: 45.401 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033633.D

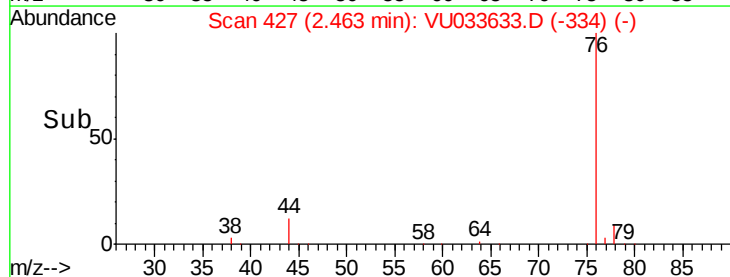
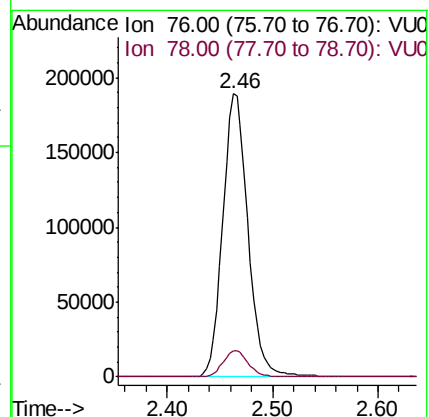
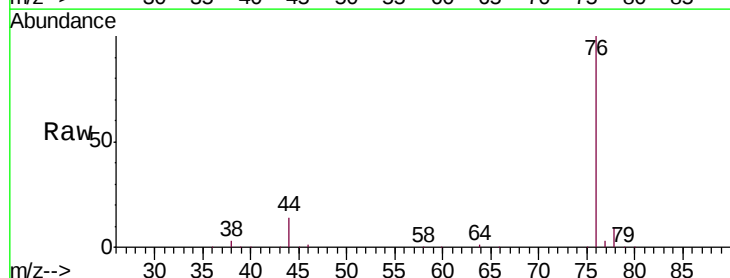
Acq: 08 Aug 2019 13:12

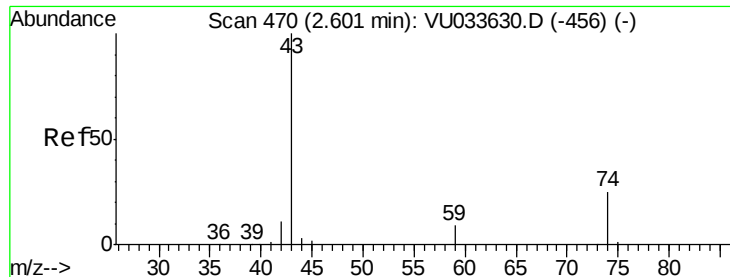
Tgt Ion: 76 Resp: 313396

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

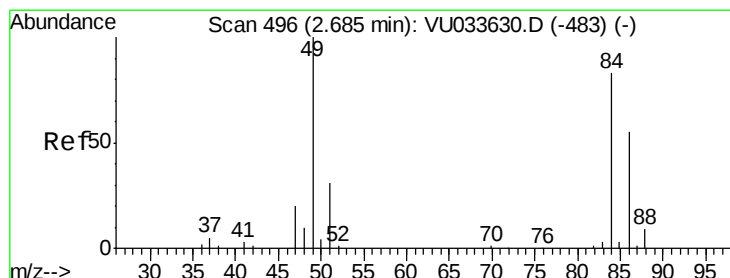
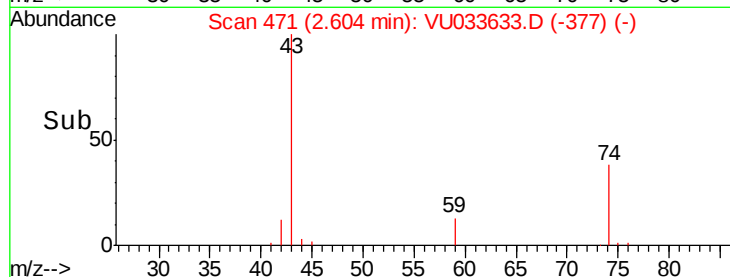
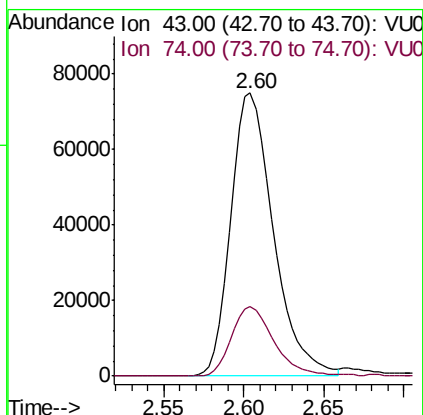
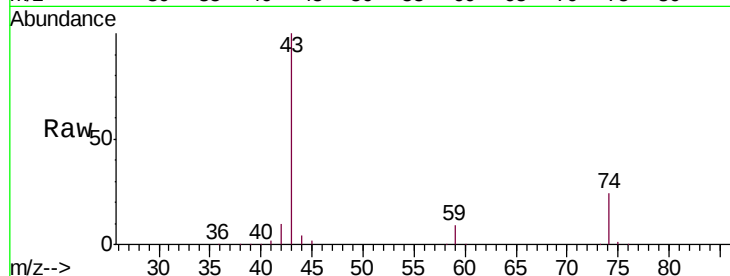




#15
Methyl Acetate
Concen: 45.453 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

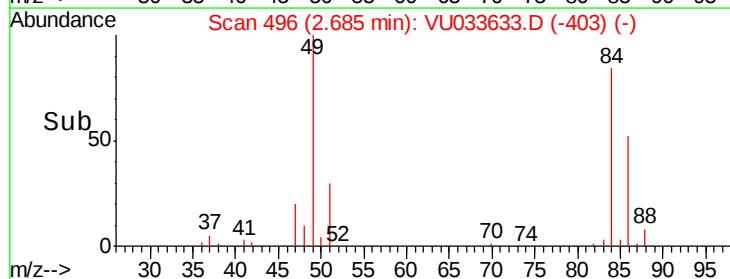
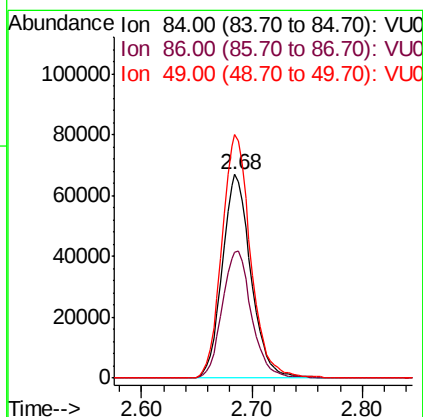
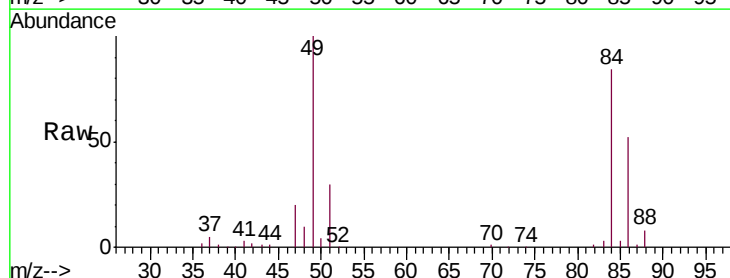
Instrument :
MSVOA_U
ClientSampleId :
VICV36

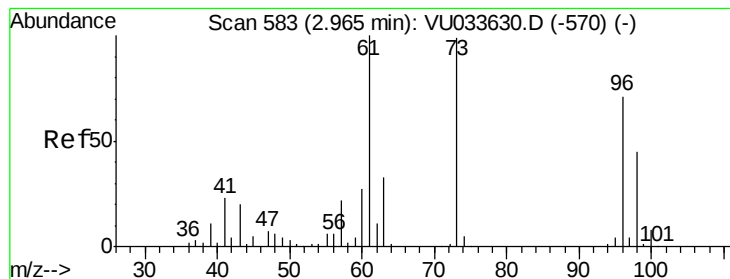
Tgt Ion: 43 Resp: 135853
Ion Ratio Lower Upper
43 100
74 24.7 19.5 29.3



#16
Methylene chloride
Concen: 44.121 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Tgt Ion: 84 Resp: 120621
Ion Ratio Lower Upper
84 100
86 62.1 46.0 85.4
49 119.7 84.4 156.8





#17

trans-1,2-Dichloroethene

Concen: 45.089 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

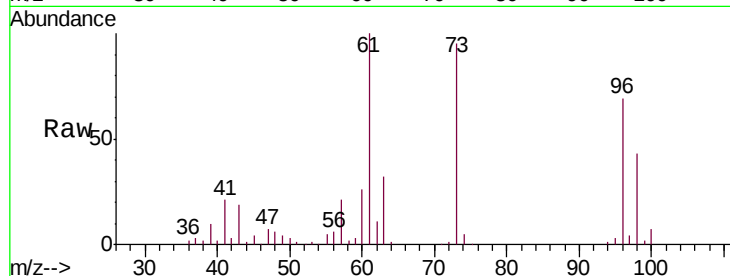
Tgt Ion: 96 Resp: 108335

Ion Ratio Lower Upper

96 100

61 144.7 98.7 183.3

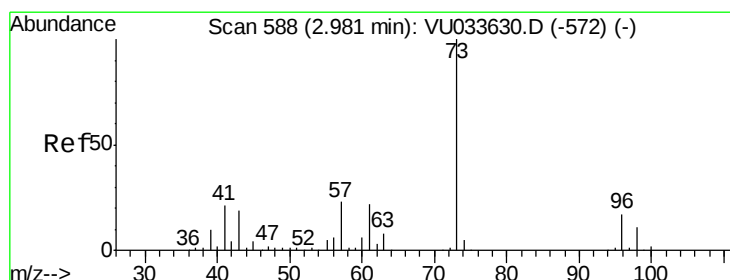
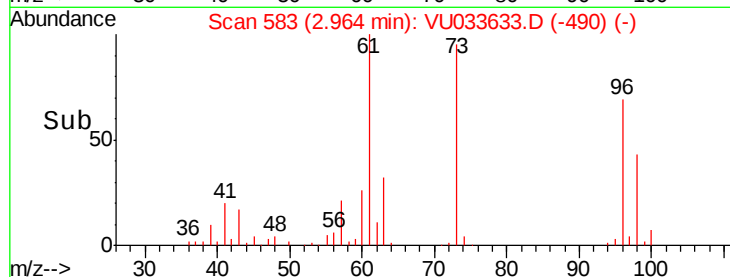
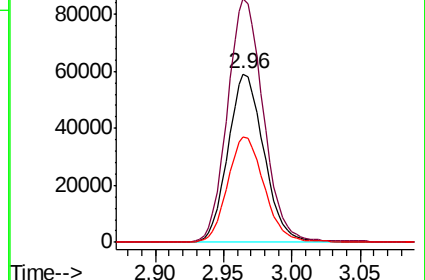
98 62.8 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033633.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033633.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033633.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 46.252 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

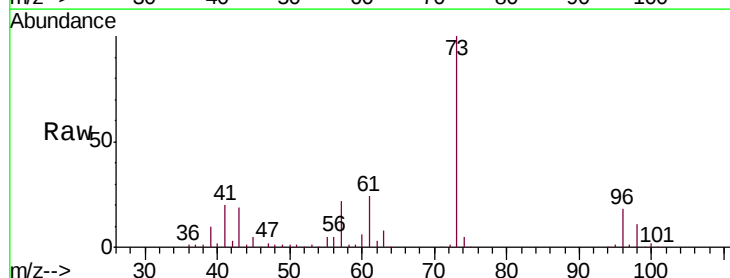
Tgt Ion: 73 Resp: 349046

Ion Ratio Lower Upper

73 100

43 19.2 15.5 23.3

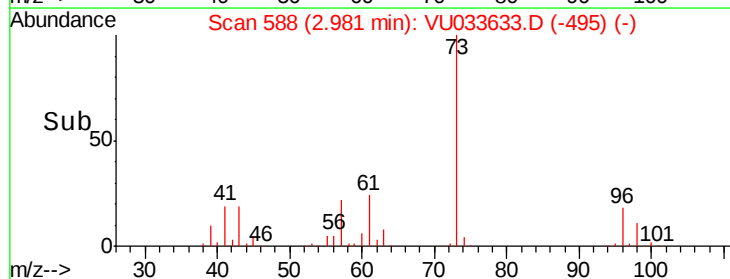
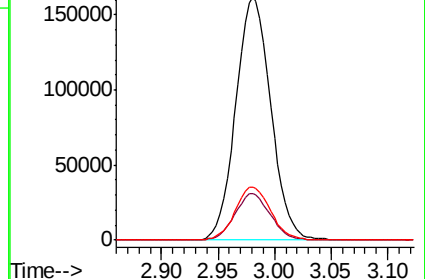
57 22.1 18.0 27.0

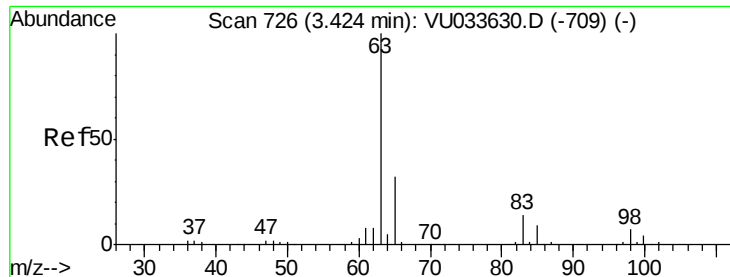


Abundance Ion 73.00 (72.70 to 73.70): VU033633.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU033633.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU033633.D (-495) (-)

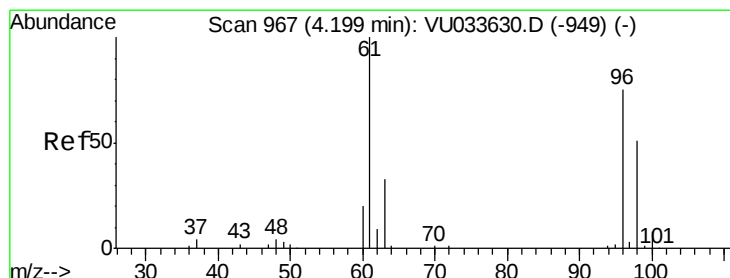
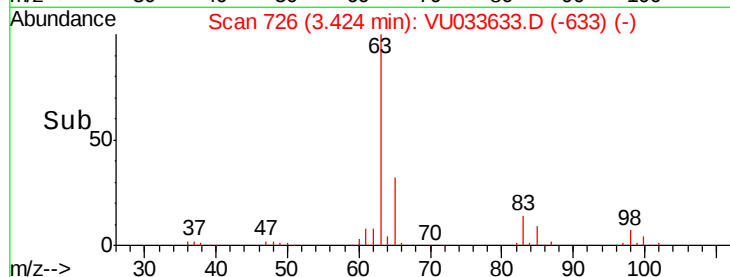
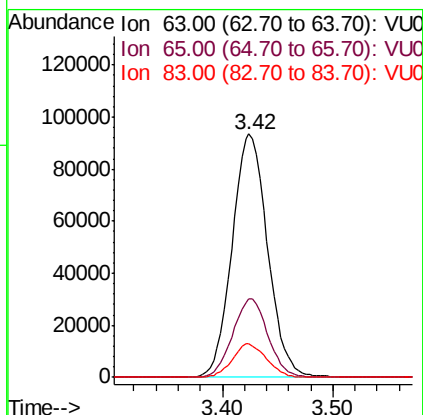
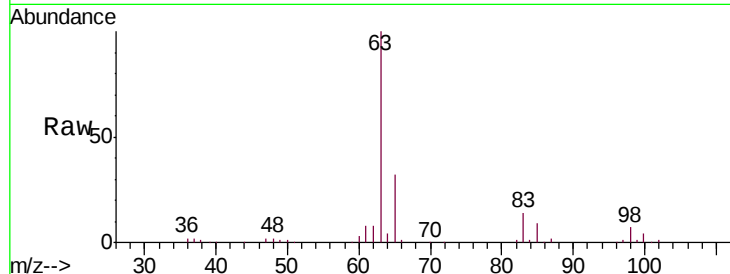




#19
 1,1-Dichloroethane
 Concen: 44.453 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

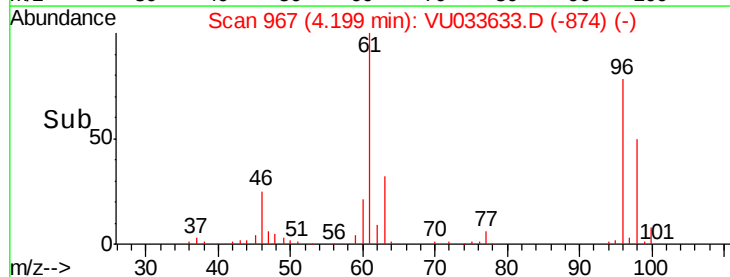
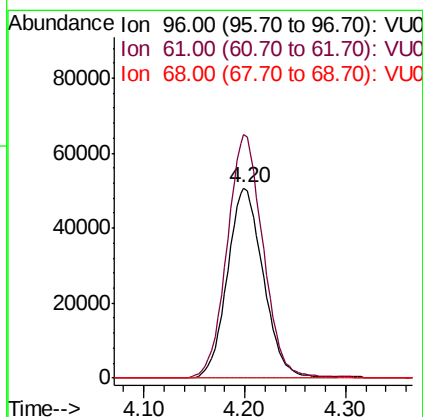
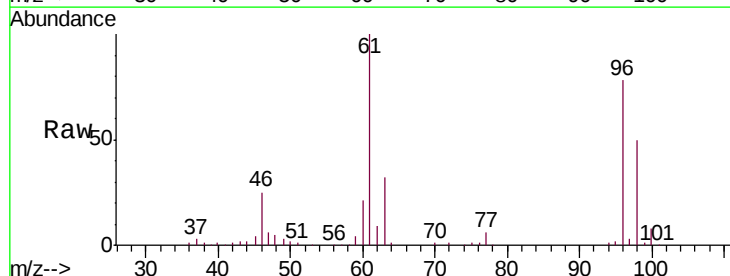
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

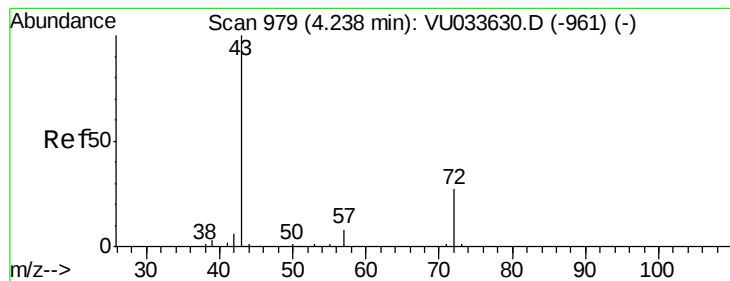
Tgt Ion: 63 Resp: 208367
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.5 41.9
 83 13.8 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 46.360 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Tgt Ion: 96 Resp: 125433
 Ion Ratio Lower Upper
 96 100
 61 127.9 93.0 172.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.162 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

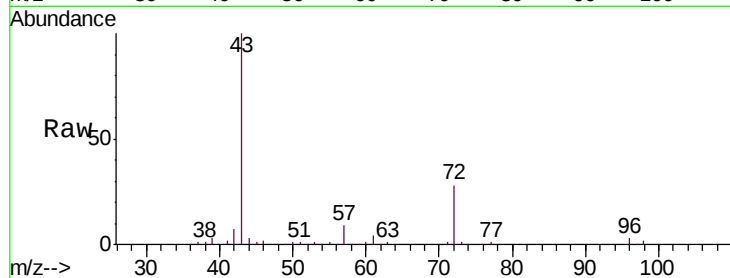
VICV36

Tgt Ion: 43 Resp: 219017

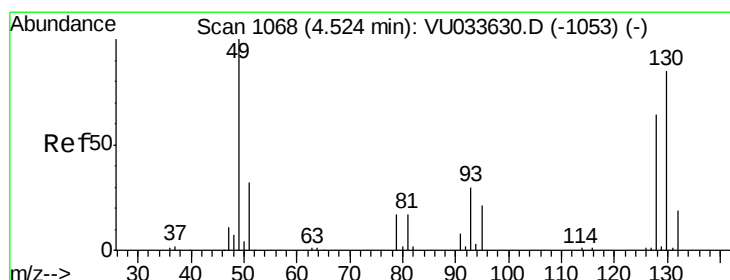
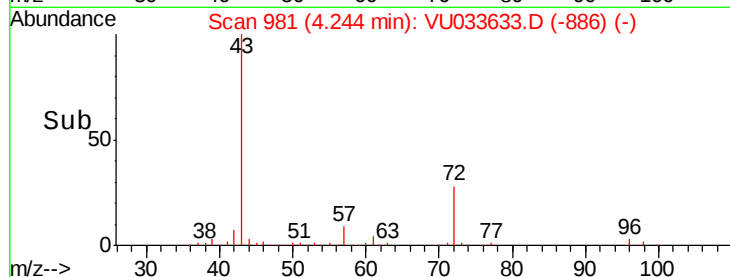
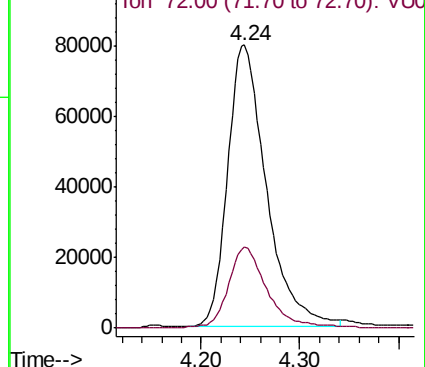
Ion Ratio Lower Upper

43 100

72 28.5 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VU033633.D (-961) (-)



#23

Bromochloromethane

Concen: 43.814 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Tgt Ion: 128 Resp: 62687

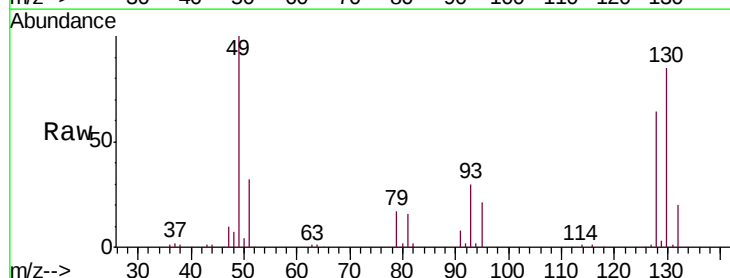
Ion Ratio Lower Upper

128 100

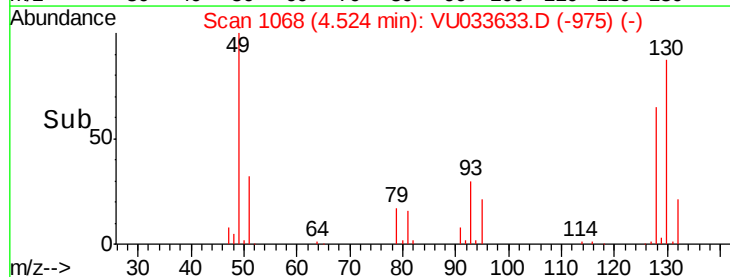
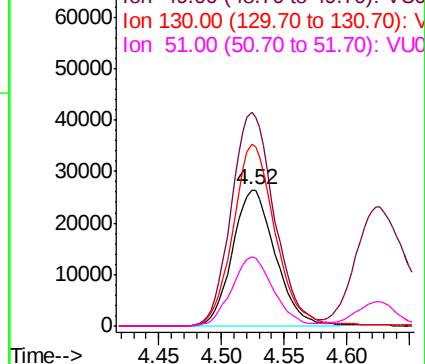
49 157.3 109.8 204.0

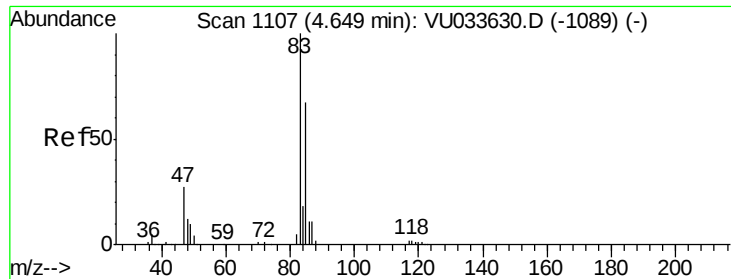
130 134.0 93.0 172.8

51 51.1 39.8 59.8



Abundance Ion 128.00 (127.70 to 128.70): VU033633.D (-975) (-)

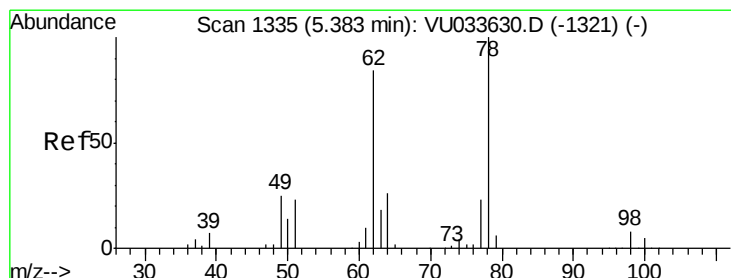
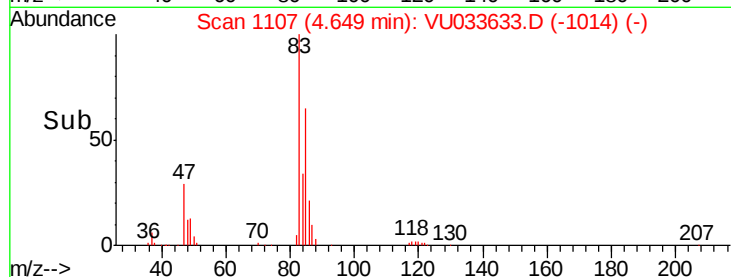
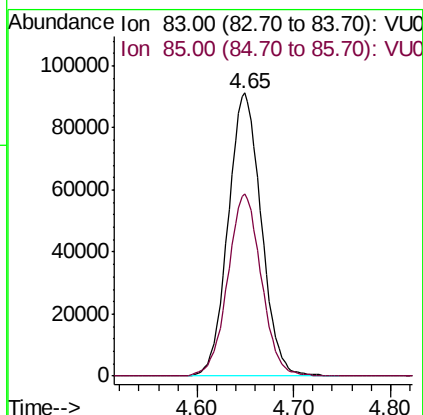
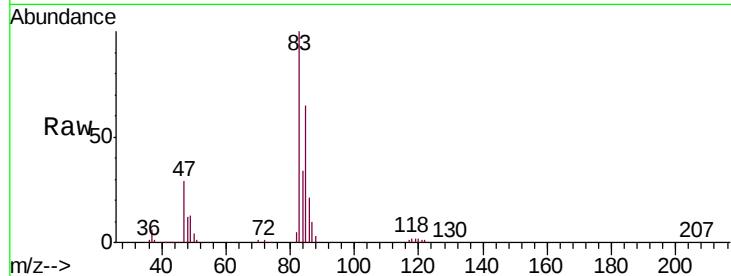




#25
Chloroform
Concen: 44.204 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

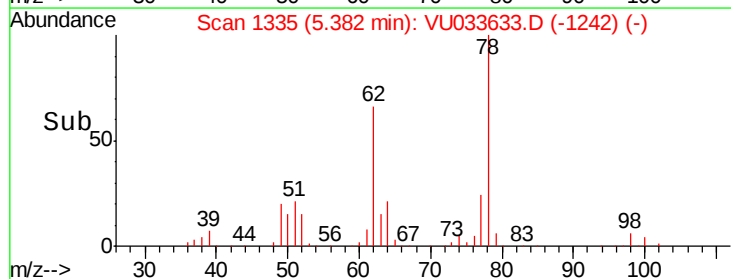
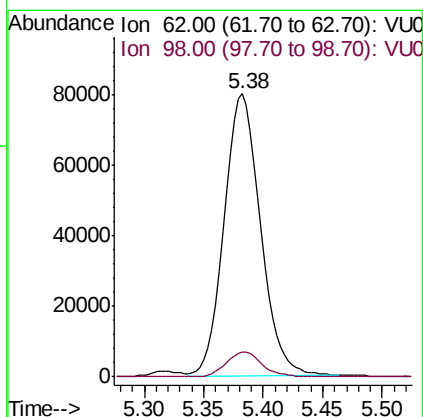
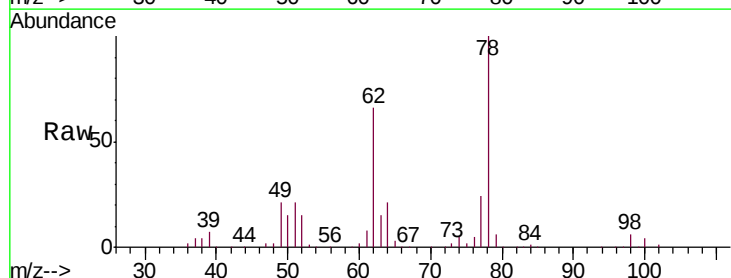
Instrument :
MSVOA_U
ClientSampleId :
VICV36

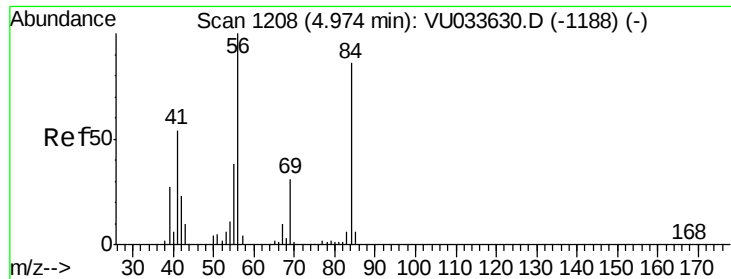
Tgt Ion: 83 Resp: 217042
Ion Ratio Lower Upper
83 100
85 64.5 47.2 87.6



#27
1,2-Dichloroethane
Concen: 44.414 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Tgt Ion: 62 Resp: 169033
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2

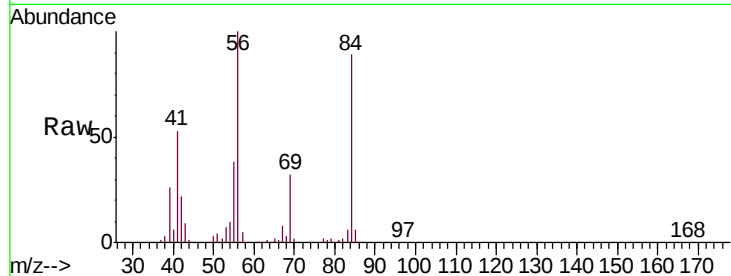




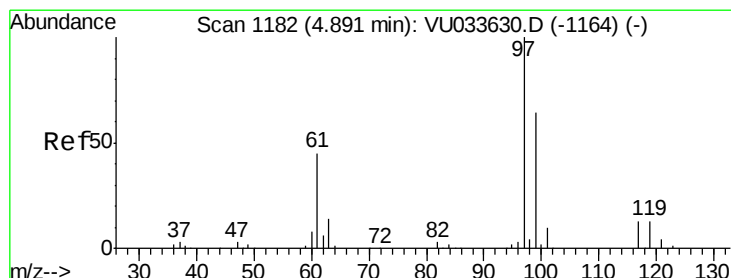
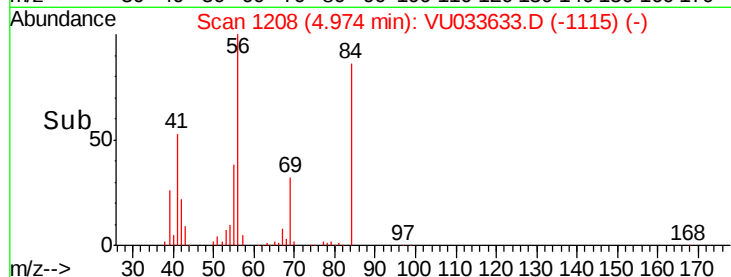
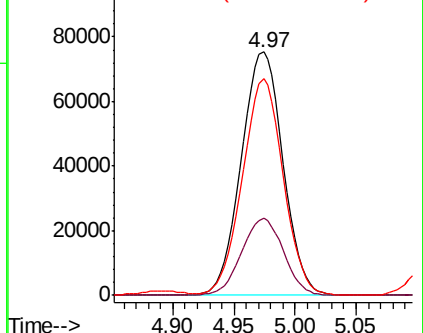
#29
Cyclohexane
Concen: 48.732 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Tgt Ion: 56 Resp: 178502
Ion Ratio Lower Upper
56 100
69 31.7 25.2 37.8
84 86.8 70.2 105.2

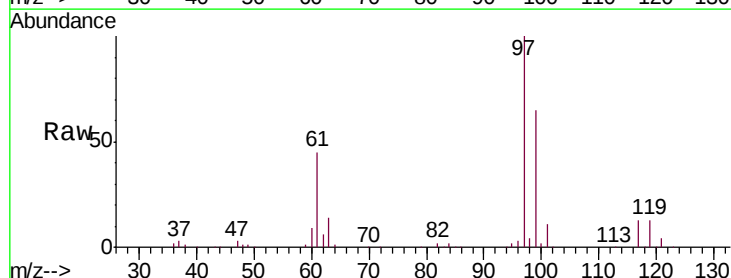


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

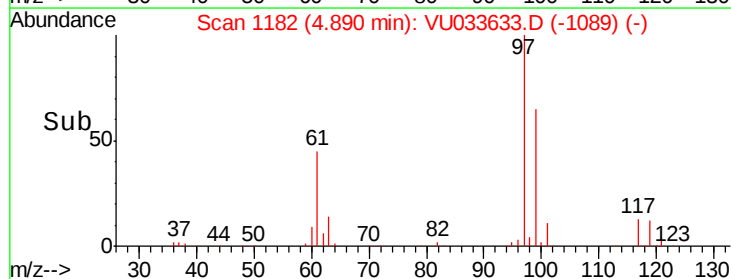
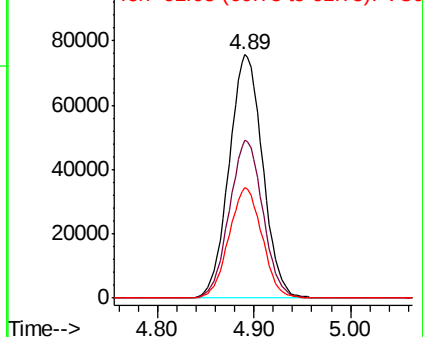


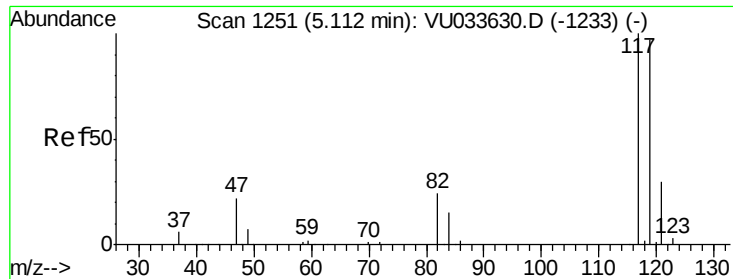
#30
1,1,1-Trichloroethane
Concen: 45.807 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Tgt Ion: 97 Resp: 182318
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.2
61 44.8 36.2 54.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 46.456 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

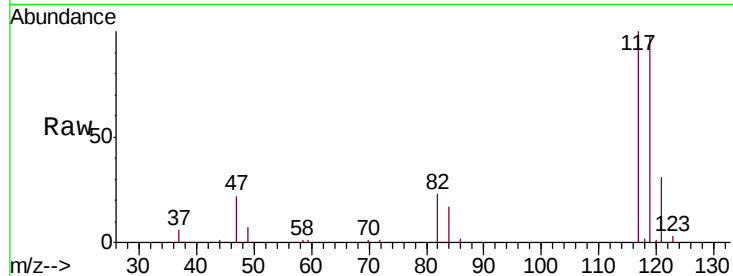
VICV36

Tgt Ion:117 Resp: 163542

Ion Ratio Lower Upper

117 100

119 95.7 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.11

80000

60000

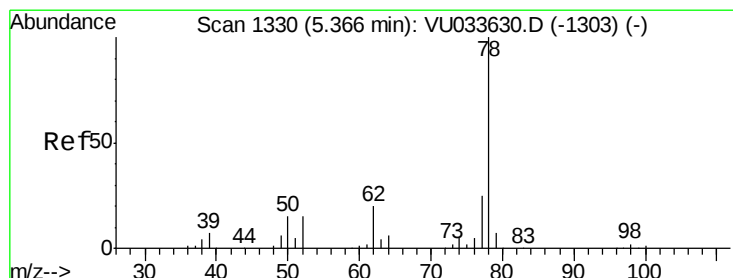
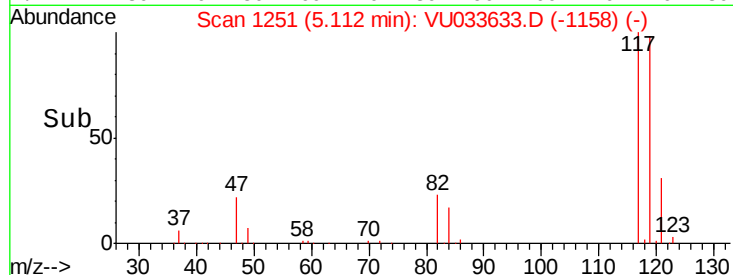
40000

20000

0

Time-->

5.00 5.05 5.10 5.15 5.20



#33

Benzene

Concen: 46.755 ug/L

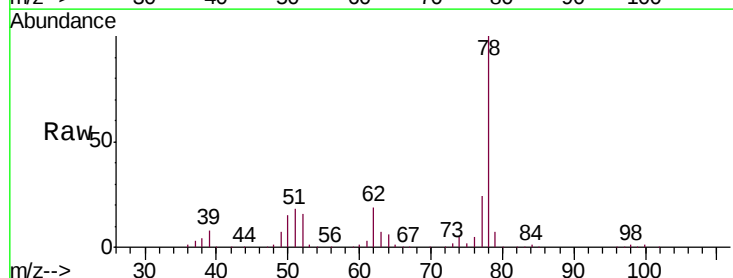
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Tgt Ion: 78 Resp: 467955



Abundance Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

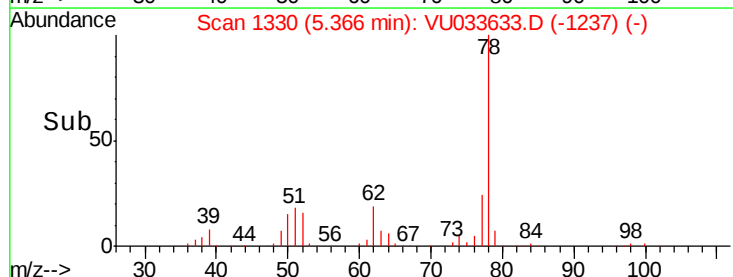
100000

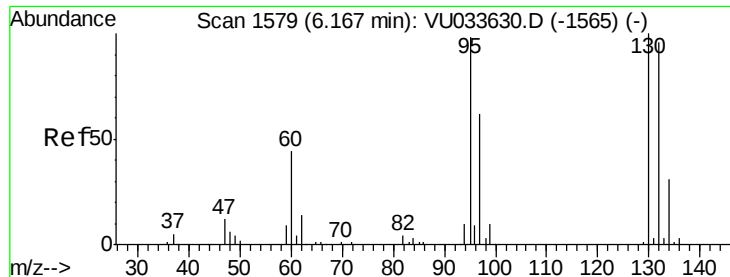
50000

0

Time-->

5.20 5.30 5.40 5.50





#34

Trichloroethene

Concen: 46.918 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

Tgt Ion: 95 Resp: 120450

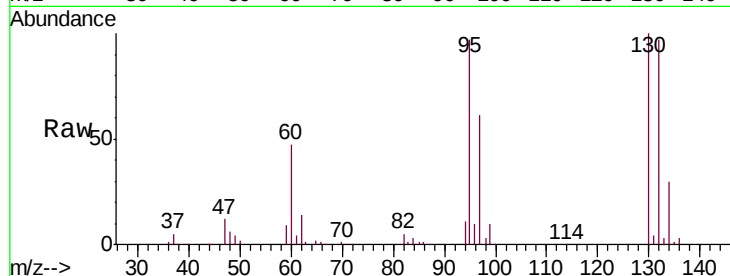
Ion Ratio Lower Upper

95 100

97 63.0 44.4 82.5

132 100.3 69.1 128.3

130 103.1 71.7 133.3

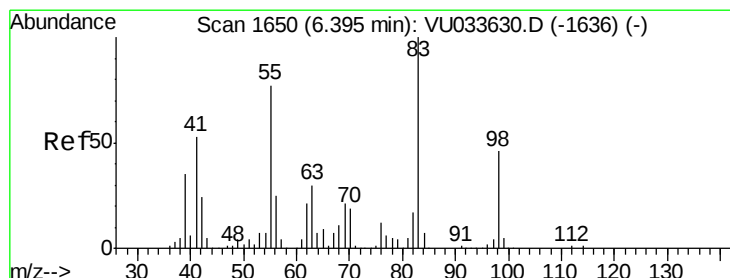
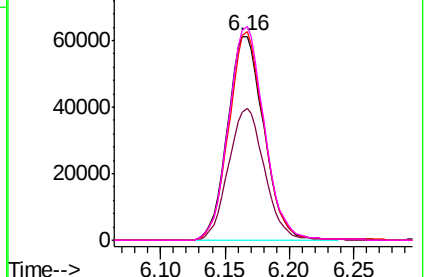
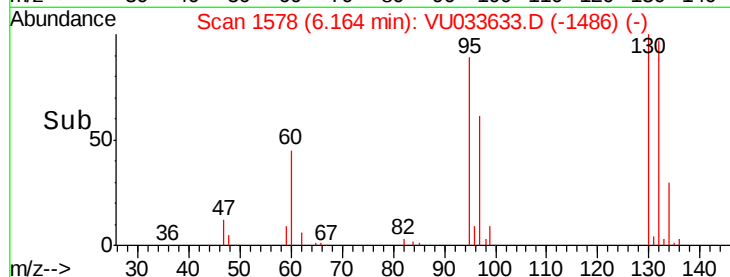


Abundance Ion 95.00 (94.70 to 95.70): VU033633.D (-1565) (-)

Ion 97.00 (96.70 to 97.70): VU033633.D (-1565) (-)

Ion 132.00 (131.70 to 132.70): VU033633.D (-1565) (-)

Ion 130.00 (129.70 to 130.70): VU033633.D (-1565) (-)



#35

Methylcyclohexane

Concen: 49.437 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

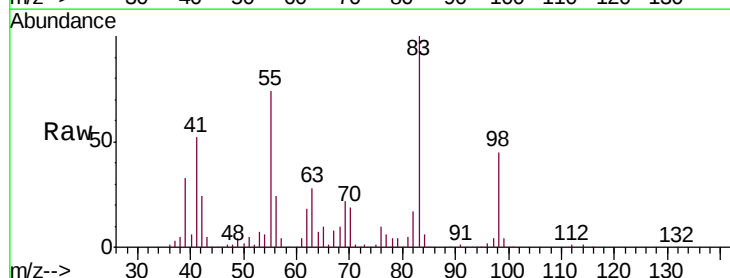
Tgt Ion: 83 Resp: 194373

Ion Ratio Lower Upper

83 100

55 73.6 61.3 91.9

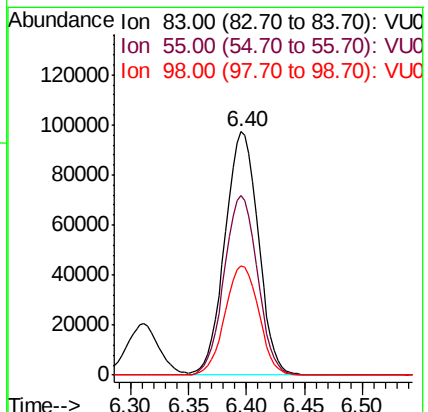
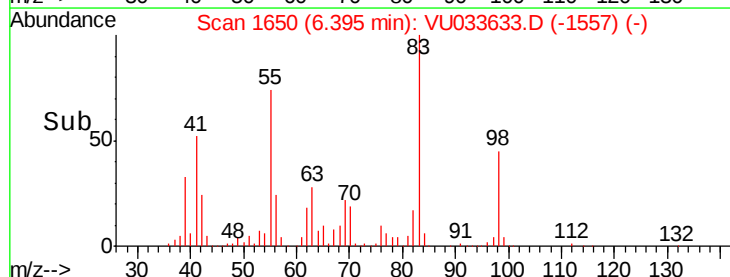
98 45.4 36.7 55.1

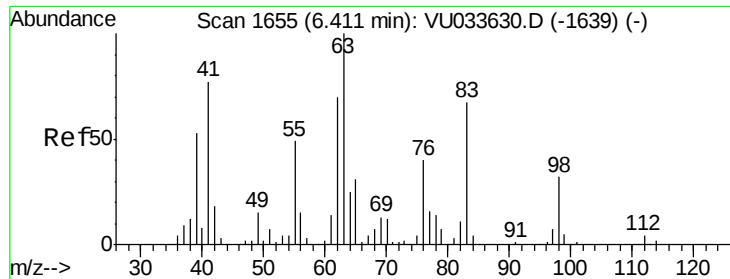


Abundance Ion 83.00 (82.70 to 83.70): VU033633.D (-1557) (-)

Ion 55.00 (54.70 to 55.70): VU033633.D (-1557) (-)

Ion 98.00 (97.70 to 98.70): VU033633.D (-1557) (-)

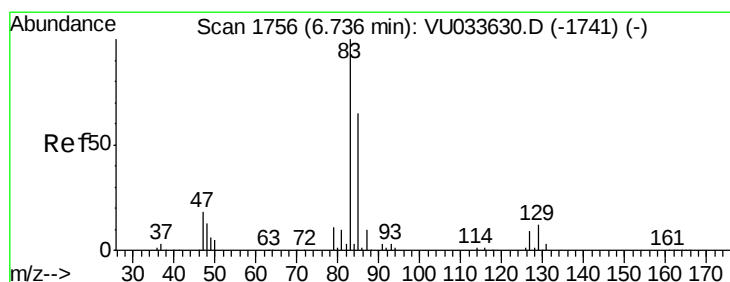
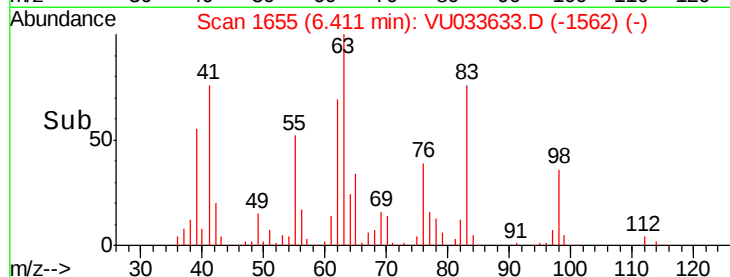
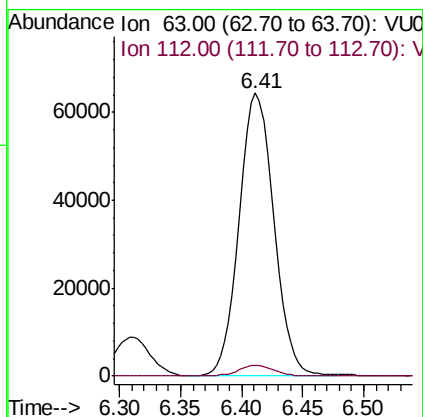
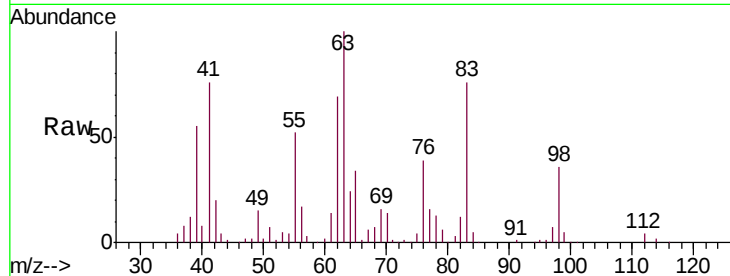




#37
 1,2-Dichloropropane
 Concen: 46.669 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

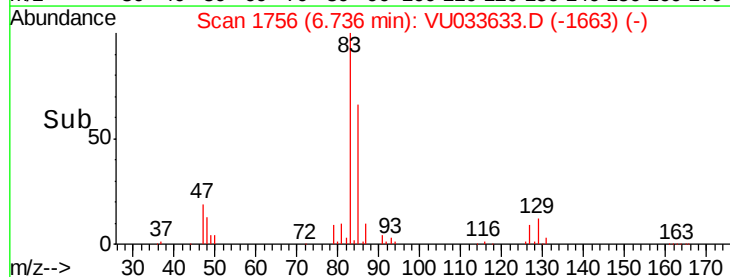
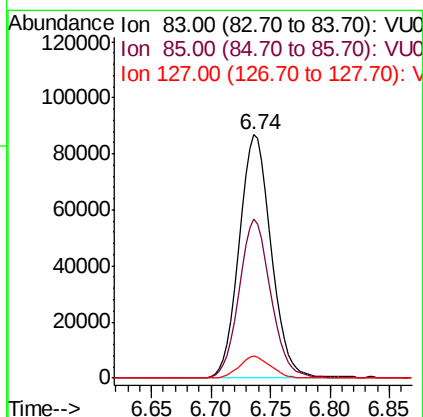
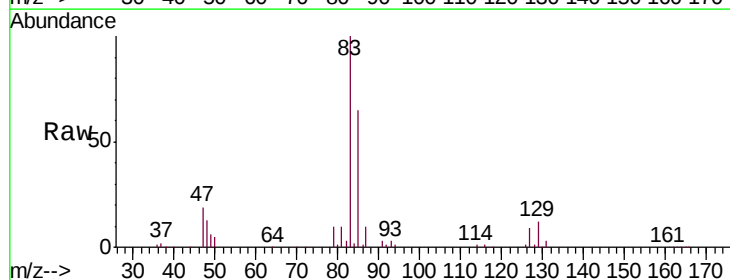
Instrument :
 MSVOA_U
 ClientSampleID :
 VICV36

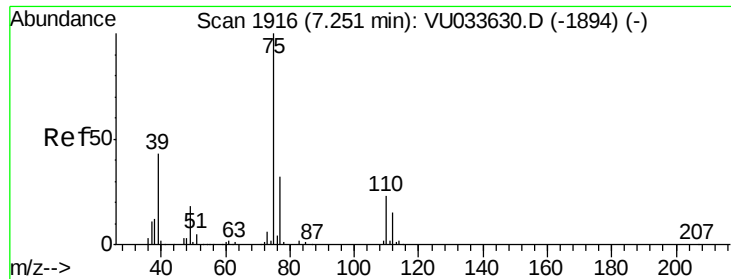
Tgt Ion: 63 Resp: 126243
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.6



#38
 Bromodichloromethane
 Concen: 46.253 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Tgt Ion: 83 Resp: 161853
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.6 84.6
 127 8.9 7.0 10.4

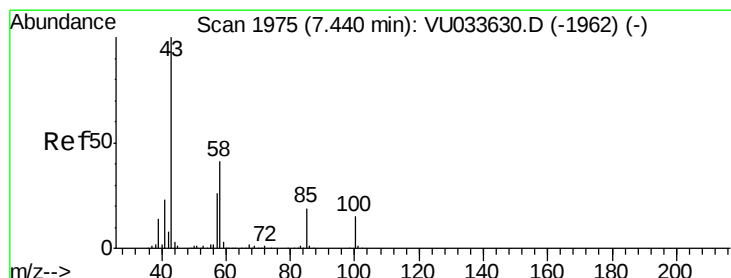
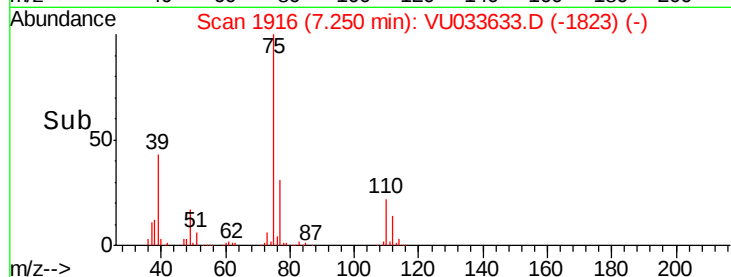
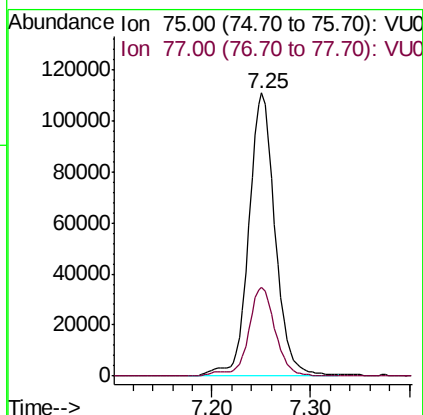
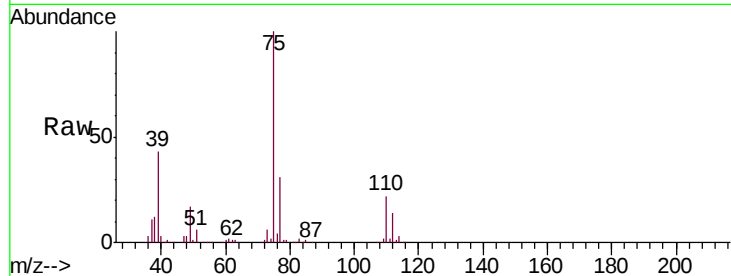




#39
 cis-1,3-Dichloropropene
 Concen: 50.674 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

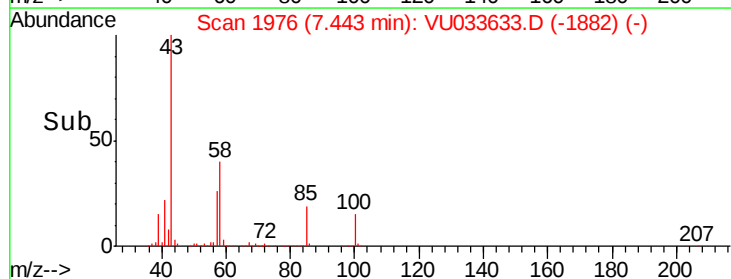
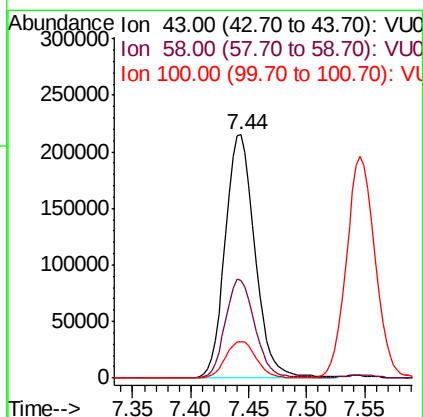
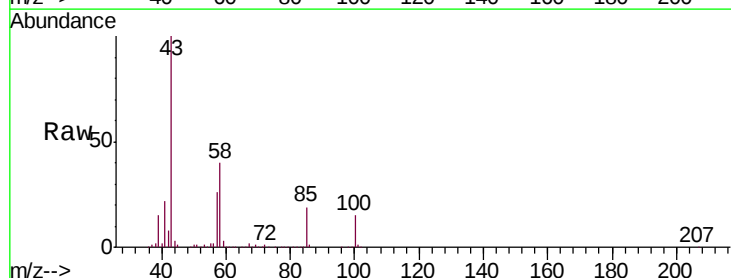
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

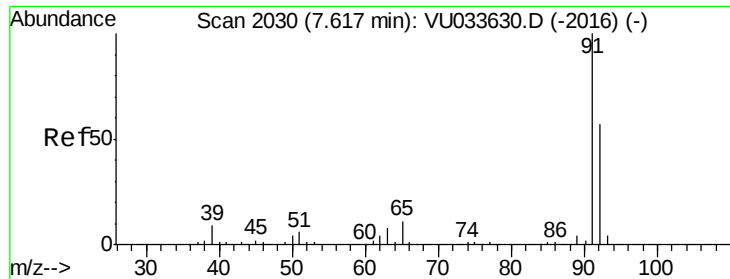
Tgt Ion: 75 Resp: 204042
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 97.360 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Tgt Ion: 43 Resp: 382069
 Ion Ratio Lower Upper
 43 100
 58 40.5 32.7 49.1
 100 15.5 12.2 18.4





#42

Toluene

Concen: 47.557 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

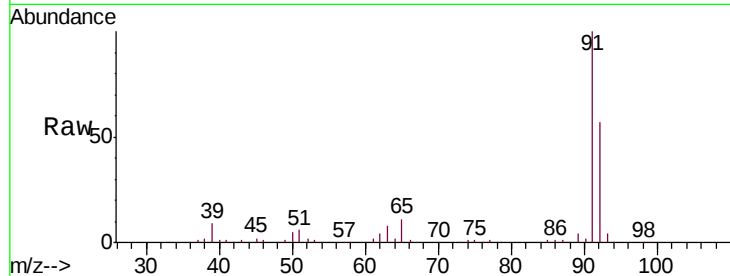
VICV36

Tgt Ion: 91 Resp: 510445

Ion Ratio Lower Upper

91 100

92 56.8 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VU033633.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033633.D (-2016) (-)

7.62

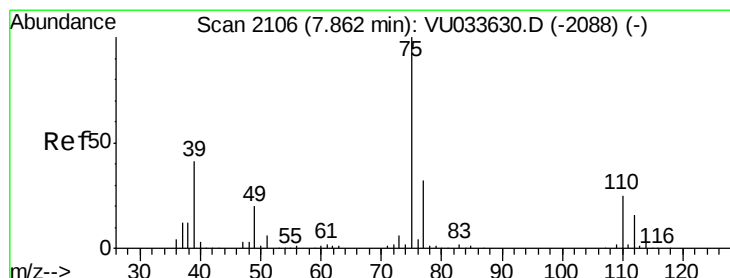
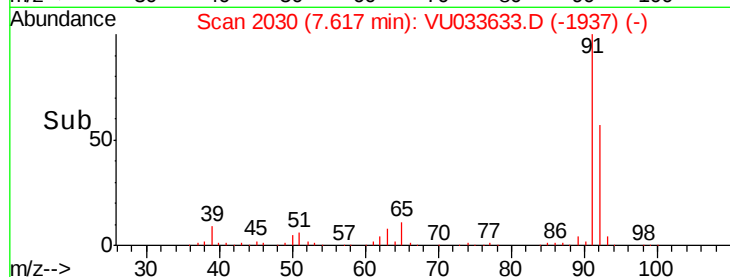
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.936 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033633.D

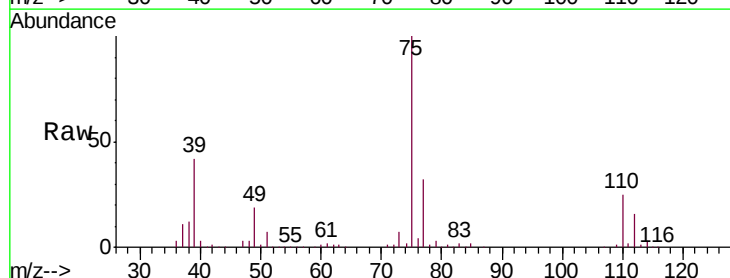
Acq: 08 Aug 2019 13:12

Tgt Ion: 75 Resp: 181673

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



Abundance Ion 75.00 (74.70 to 75.70): VU033633.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033633.D (-2088) (-)

7.86

120000

100000

80000

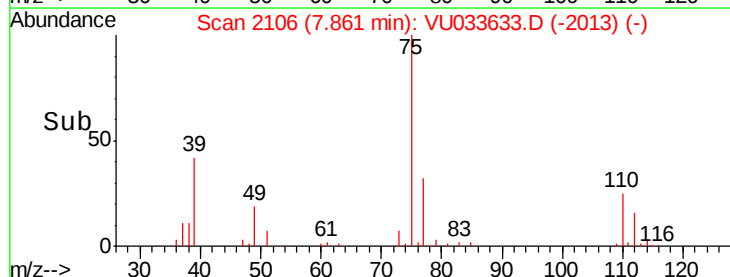
60000

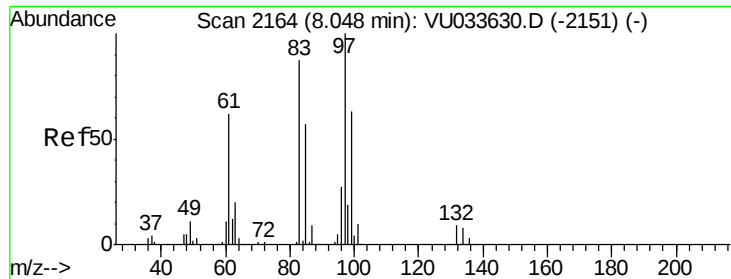
40000

20000

0

Time-->

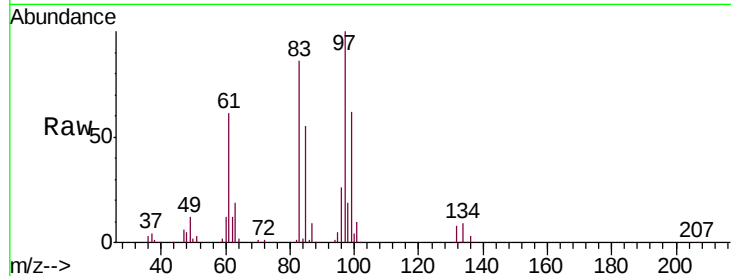




#45
 1,1,2-Trichloroethane
 Concen: 46.704 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

Tgt Ion:	97	Resp:	120401
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.0	81.6
83	85.9	60.6	112.6
85	55.4	39.9	74.1



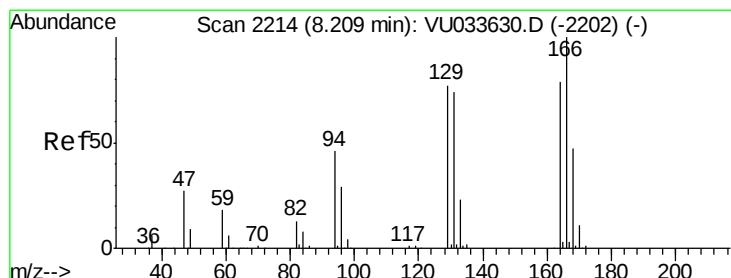
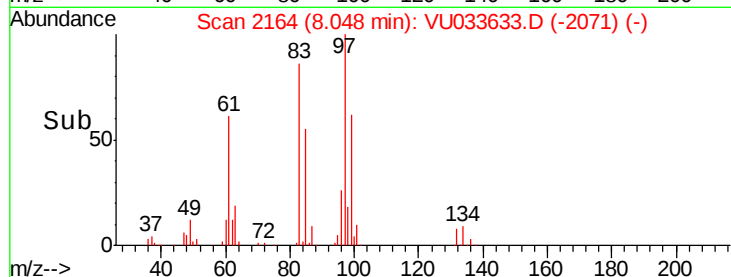
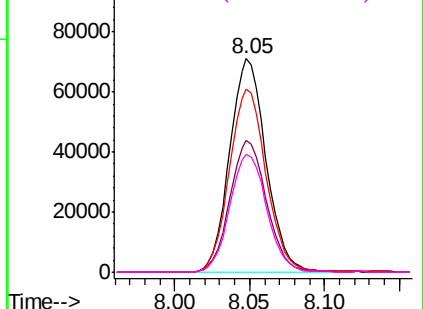
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

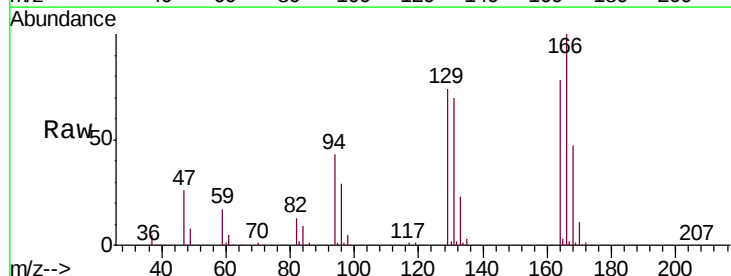
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 48.092 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Tgt Ion:	164	Resp:	100161
Ion	Ratio	Lower	Upper
164	100		
129	94.1	68.1	126.5
131	88.8	65.5	121.6
166	127.6	88.5	164.3



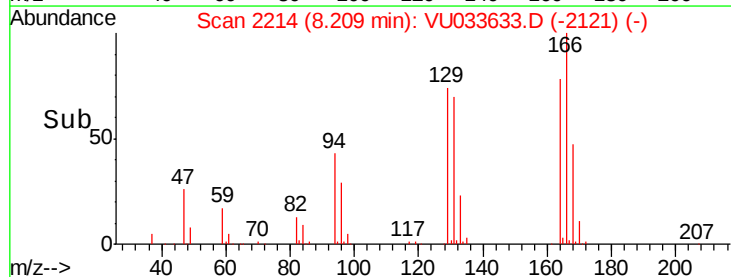
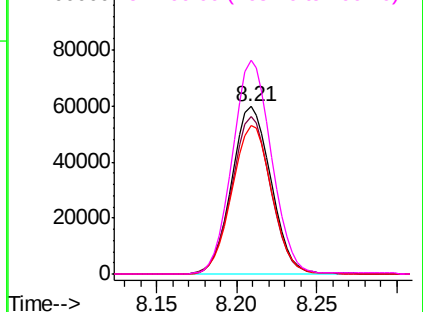
Abundance

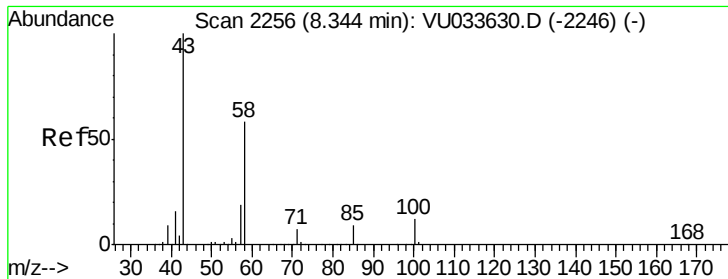
Ion 164.00 (163.70 to 164.70): V

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

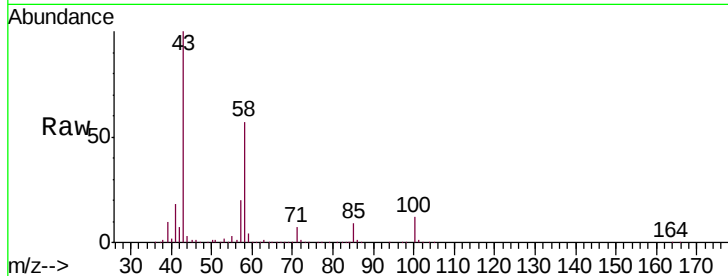




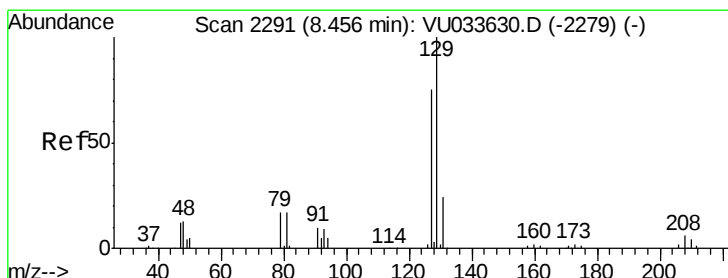
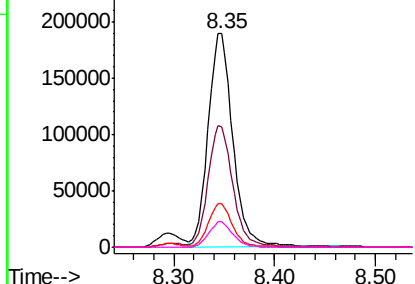
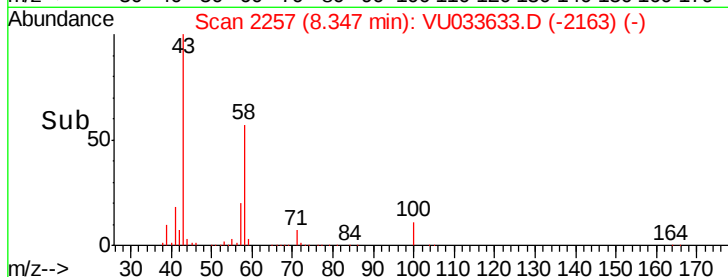
#48
2-Hexanone
Concen: 99.378 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Instrument :
MSVOA_U
ClientSampleId :
VICV36

Tgt Ion:	43	Resp:	321522
Ion	Ratio	Lower	Upper
43	100		
58	56.7	44.8	67.2
57	19.6	15.5	23.3
100	11.7	9.4	14.2

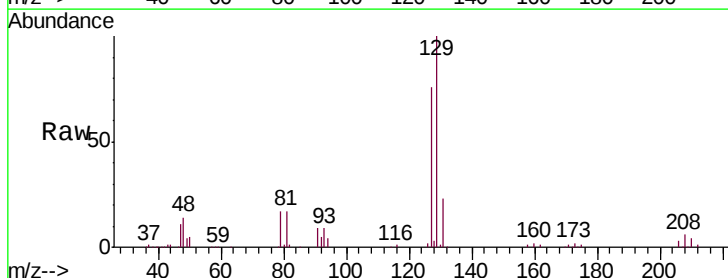


Abundance Ion 43.00 (42.70 to 43.70): VU033633.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033633.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033633.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033633.D (-2163) (-)

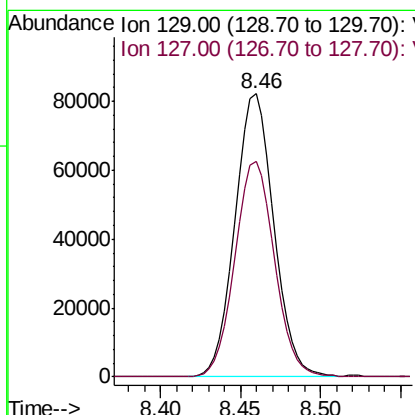
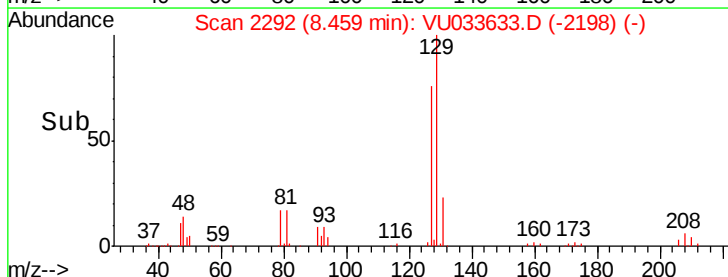


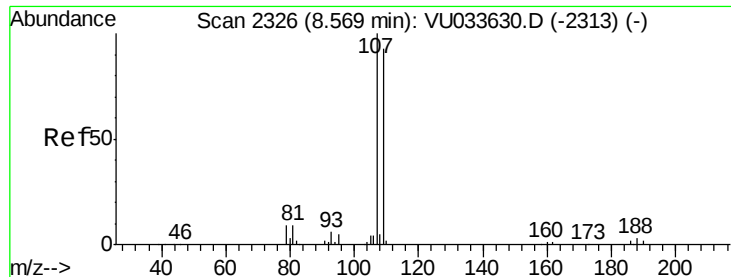
#49
Dibromochloromethane
Concen: 46.270 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Tgt Ion:	129	Resp:	135917
Ion	Ratio	Lower	Upper
129	100		
127	76.2	52.5	97.5



Abundance Ion 129.00 (128.70 to 129.70): VU033633.D (-2198) (-)
Ion 127.00 (126.70 to 127.70): VU033633.D (-2198) (-)

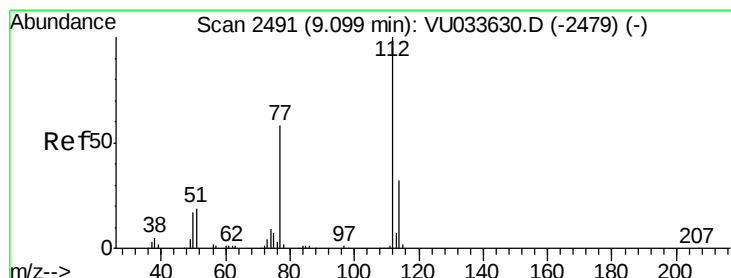
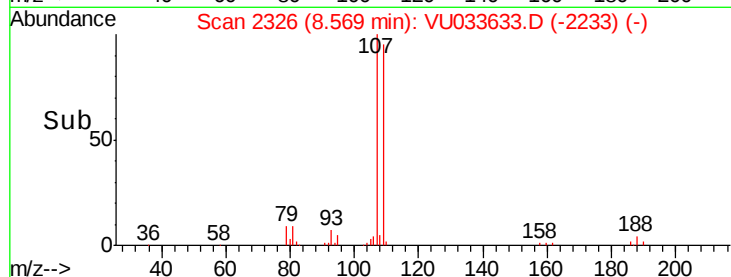
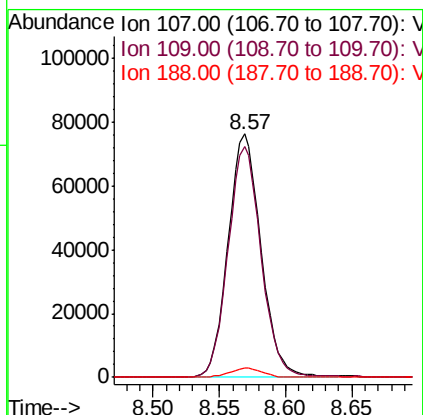
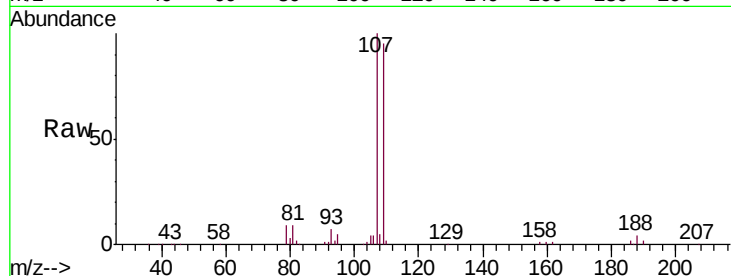




#50
1,2-Dibromoethane
Concen: 47.084 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

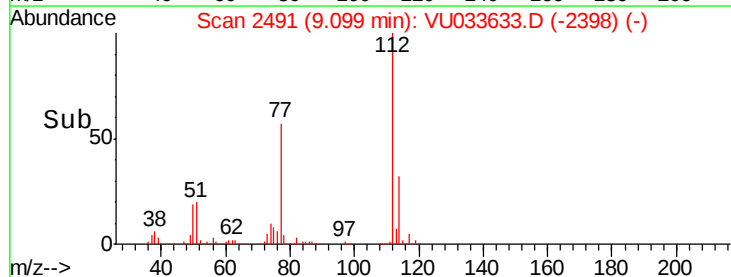
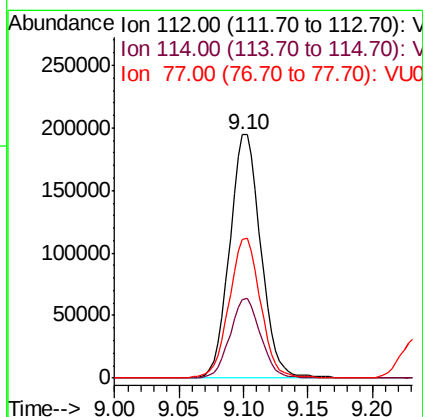
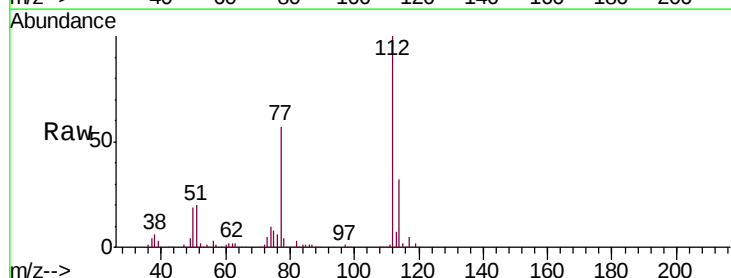
Instrument :
MSVOA_U
ClientSampleId :
VICV36

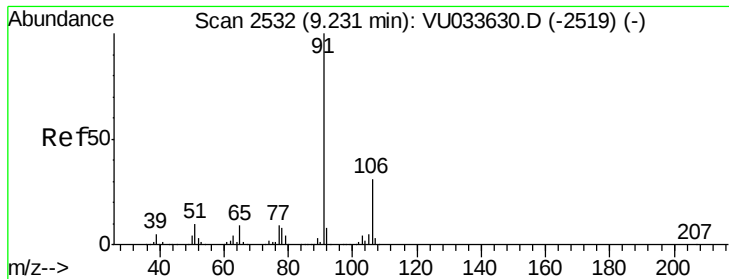
Tgt Ion:107 Resp: 131695
Ion Ratio Lower Upper
107 100
109 95.0 65.4 121.4
188 3.7 2.6 4.0



#51
Chlorobenzene
Concen: 46.584 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033633.D
Acq: 08 Aug 2019 13:12

Tgt Ion:112 Resp: 327011
Ion Ratio Lower Upper
112 100
114 32.4 22.7 42.1
77 57.2 47.2 70.8





#52

Ethylbenzene

Concen: 48.206 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

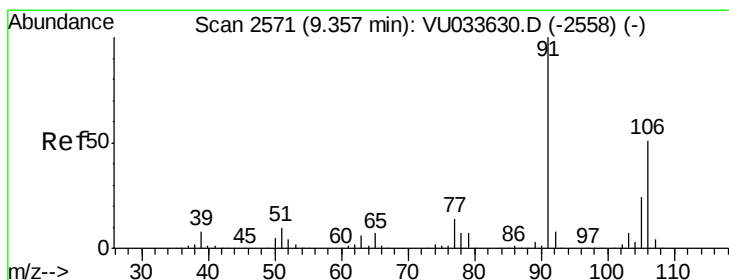
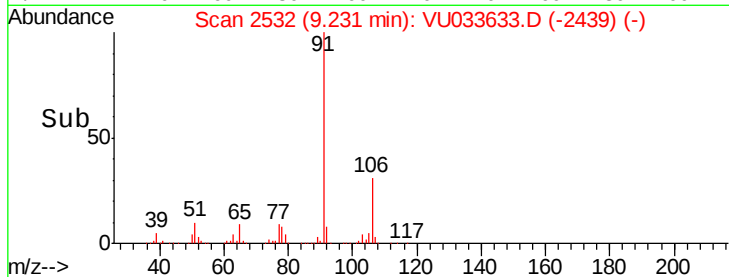
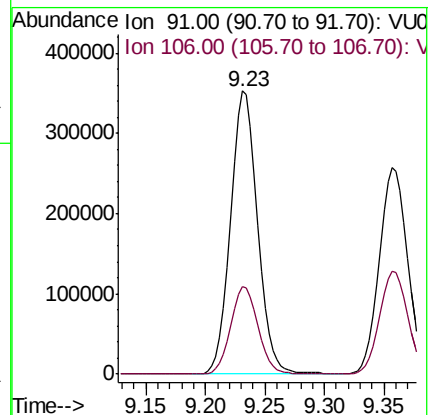
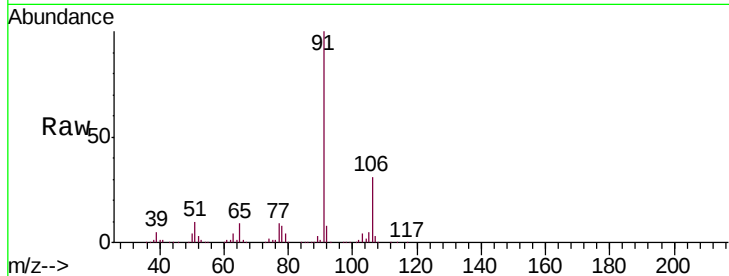
VICV36

Tgt Ion: 91 Resp: 555879

Ion Ratio Lower Upper

91 100

106 30.9 21.9 40.7



#53

m,p-Xylene

Concen: 48.942 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033633.D

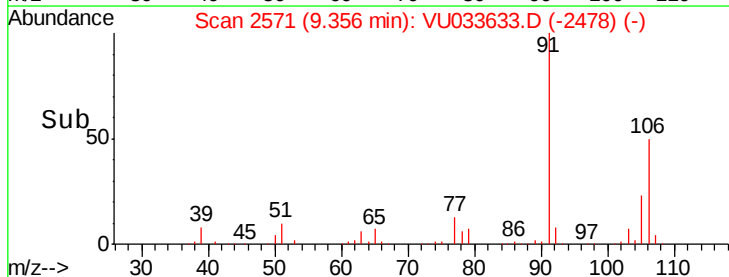
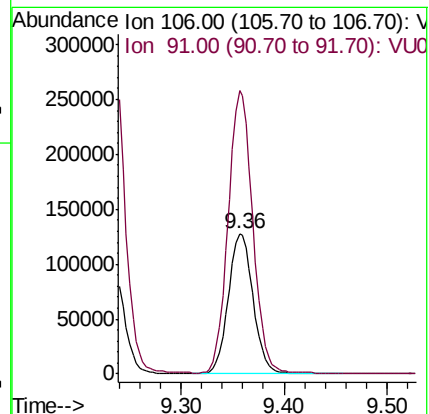
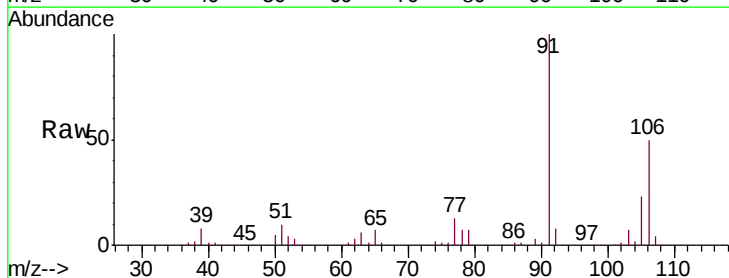
Acq: 08 Aug 2019 13:12

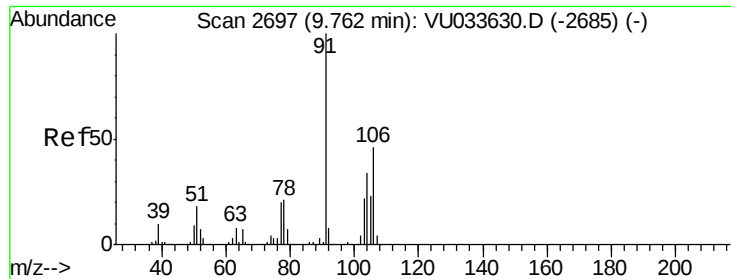
Tgt Ion: 106 Resp: 213871

Ion Ratio Lower Upper

106 100

91 201.5 138.5 257.3





#54

o-xylene

Concen: 48.449 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

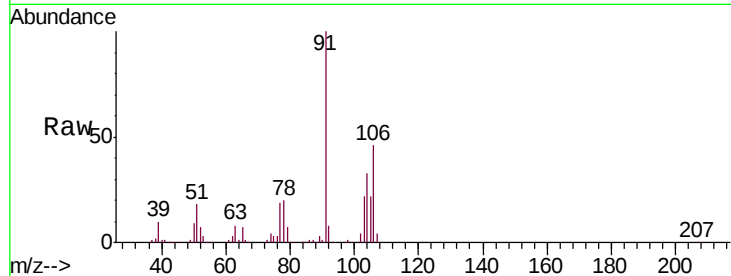
VICV36

Tgt Ion:106 Resp: 209866

Ion Ratio Lower Upper

106 100

91 217.6 152.1 282.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

300000

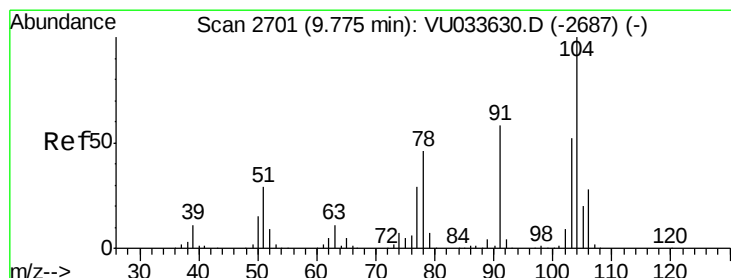
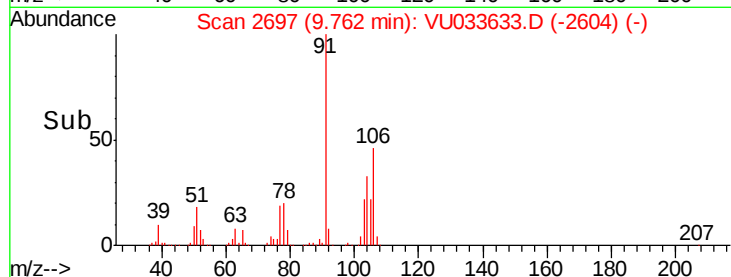
200000

100000

0

9.70 9.75 9.80 9.85

Time-->



#55

Styrene

Concen: 49.236 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033633.D

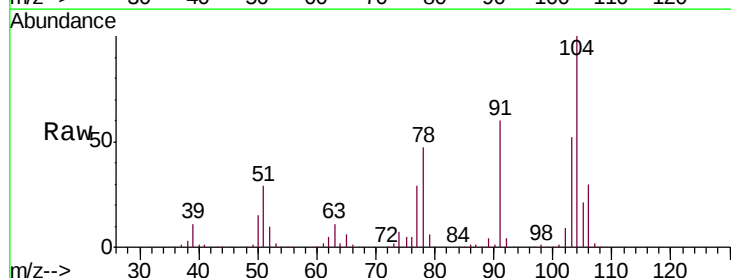
Acq: 08 Aug 2019 13:12

Tgt Ion:104 Resp: 362887

Ion Ratio Lower Upper

104 100

78 46.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

250000

200000

150000

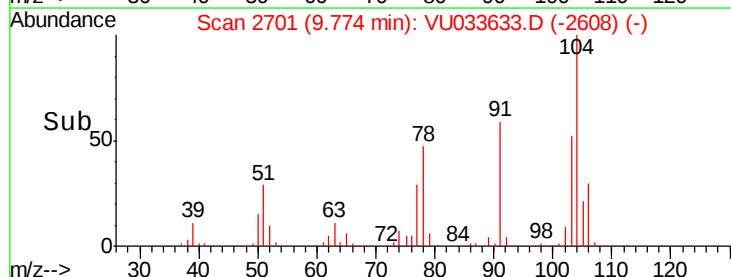
100000

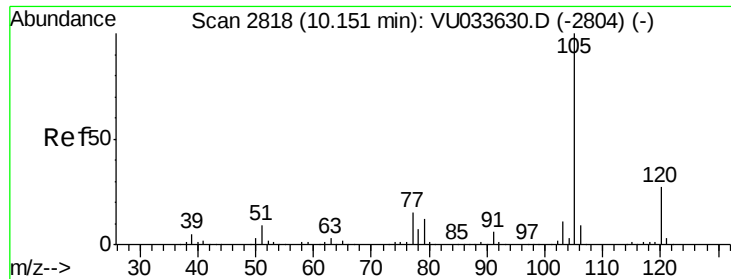
50000

0

9.70 9.75 9.80 9.85

Time-->





#56

Isopropylbenzene

Concen: 48.942 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

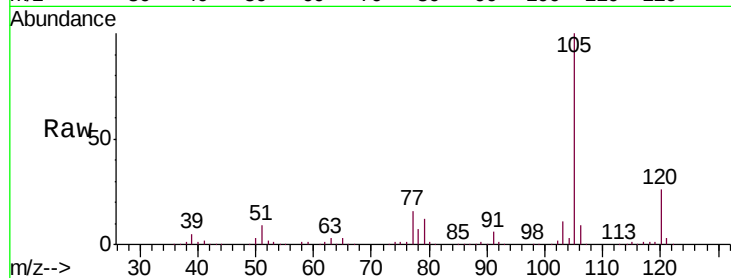
Tgt Ion: 105 Resp: 546025

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

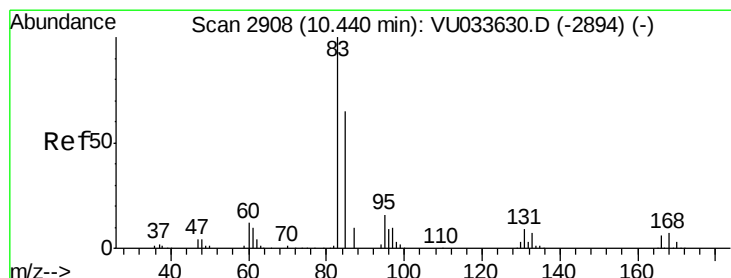
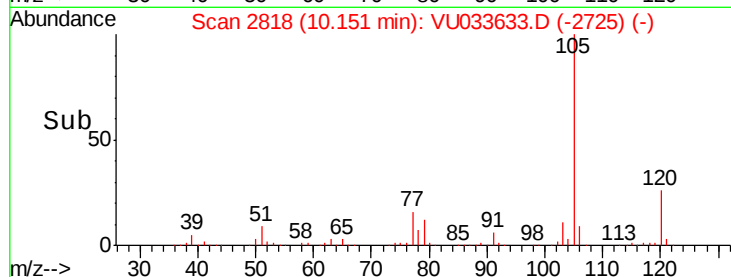
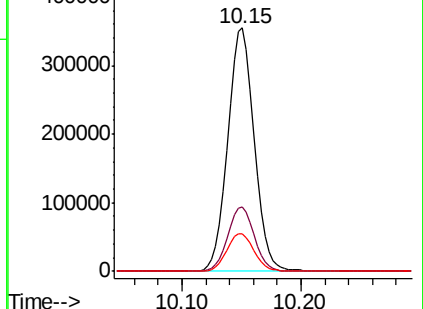
77 16.0 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 45.665 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

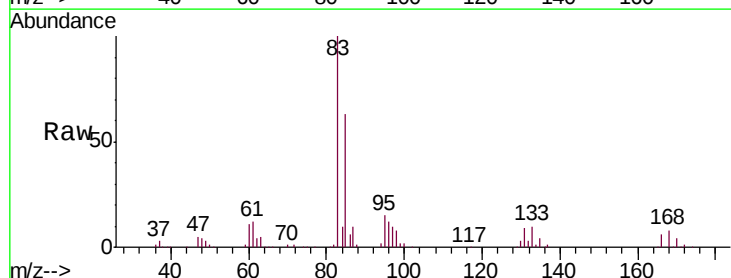
Tgt Ion: 83 Resp: 216193

Ion Ratio Lower Upper

83 100

85 63.2 45.7 84.9

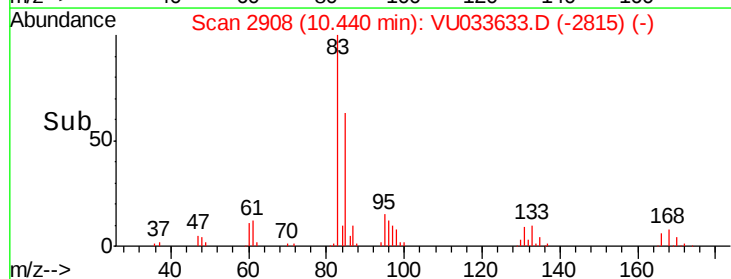
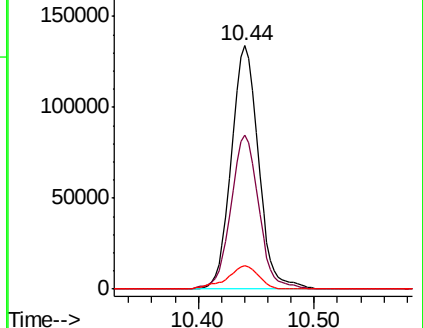
131 9.4 7.7 11.5

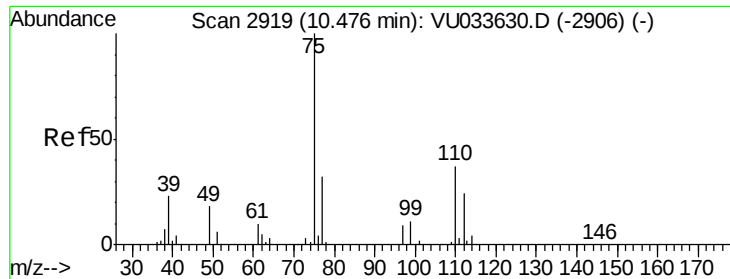


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.976 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

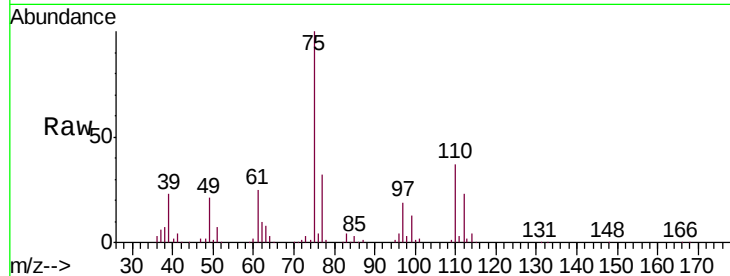
VICV36

Tgt Ion: 75 Resp: 169810

Ion Ratio Lower Upper

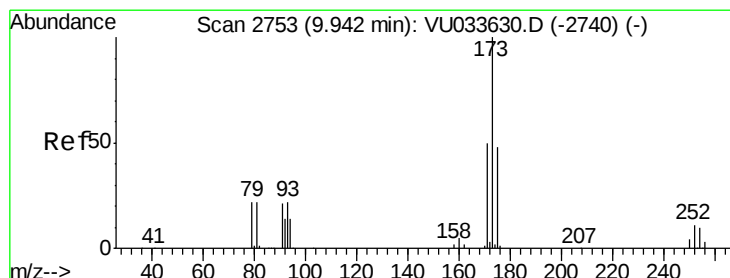
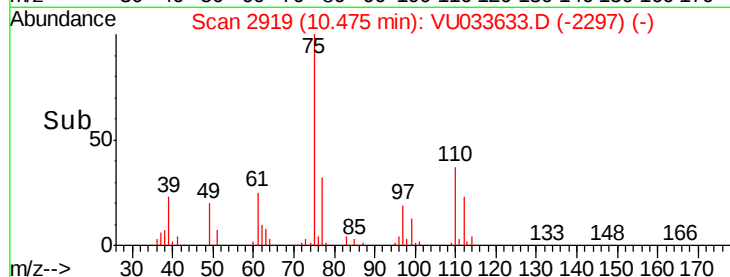
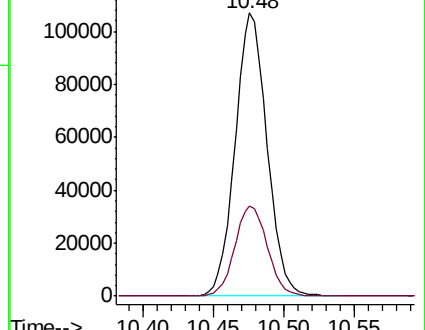
75 100

77 32.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU033633.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU033633.D (-2906) (-)



#61

Bromoform

Concen: 47.314 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

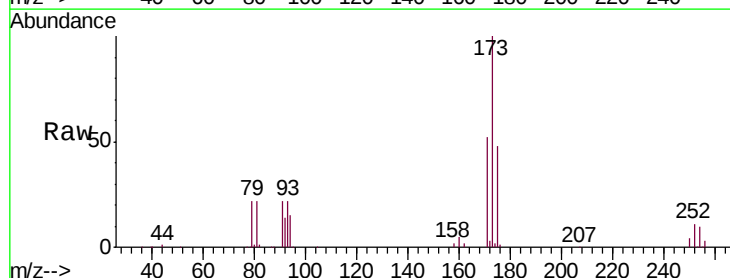
Tgt Ion: 173 Resp: 106933

Ion Ratio Lower Upper

173 100

175 48.1 39.3 58.9

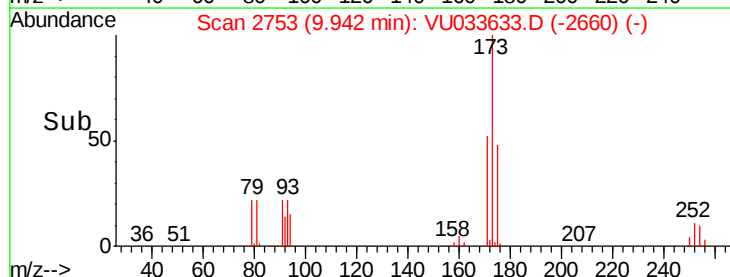
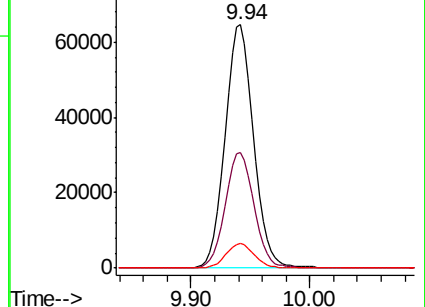
254 10.0 7.8 11.8

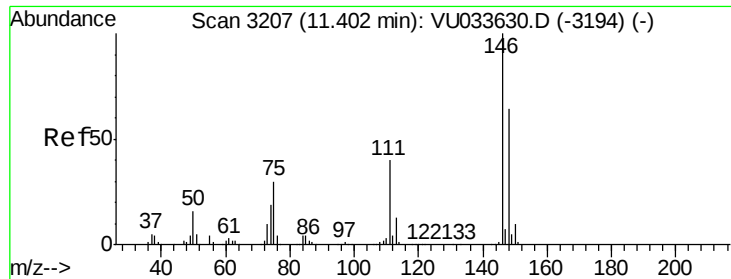


Abundance Ion 173.00 (172.70 to 173.70): VU033633.D (-2740) (-)

Ion 175.00 (174.70 to 175.70): VU033633.D (-2740) (-)

Ion 254.00 (253.70 to 254.70): VU033633.D (-2740) (-)





#62

1,3-Dichlorobenzene

Concen: 48.331 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

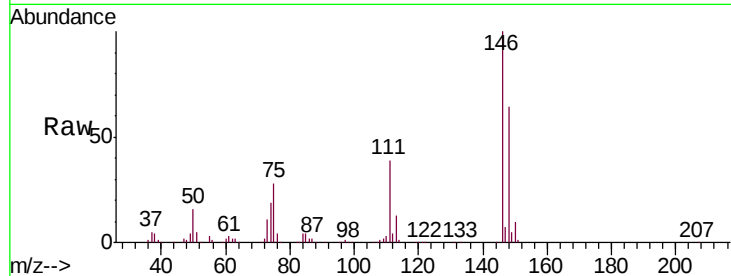
Tgt Ion:146 Resp: 273725

Ion Ratio Lower Upper

146 100

111 39.4 27.9 51.9

148 63.9 44.7 82.9

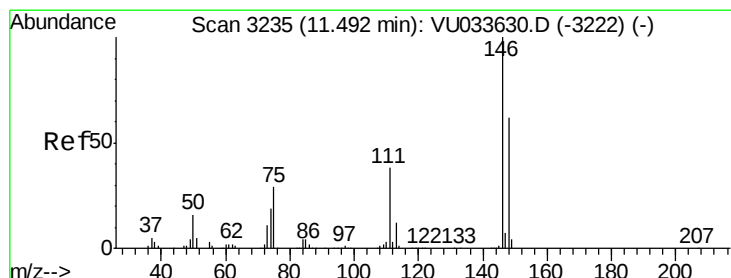
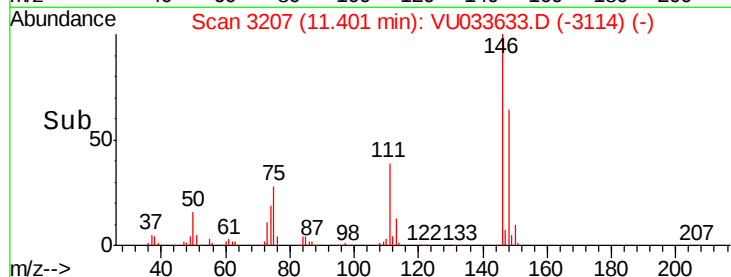
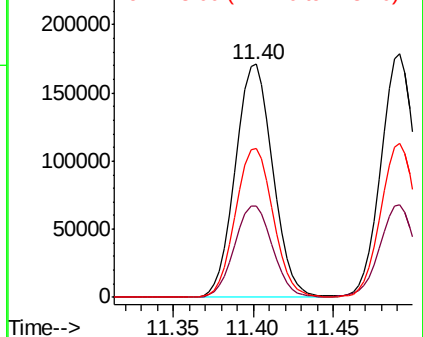


Abundance

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: 47.216 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

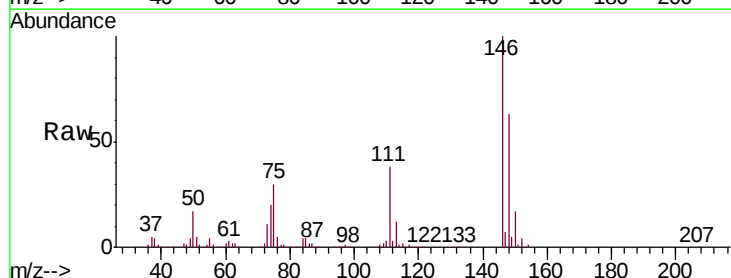
Tgt Ion:146 Resp: 276429

Ion Ratio Lower Upper

146 100

111 38.1 26.8 49.8

148 63.1 43.8 81.3

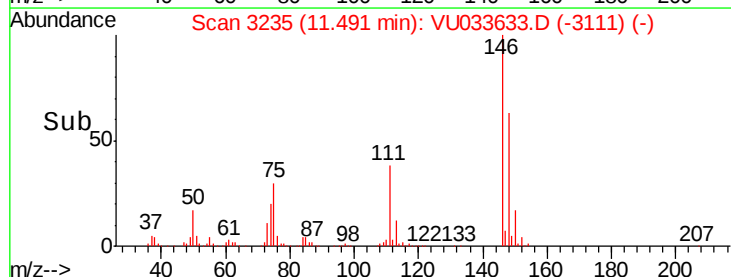
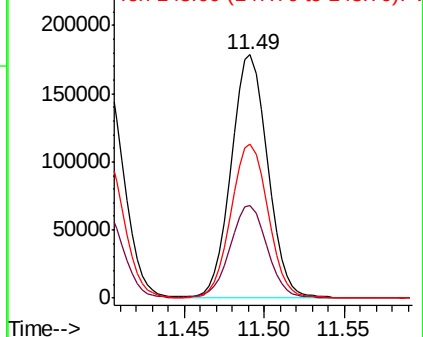


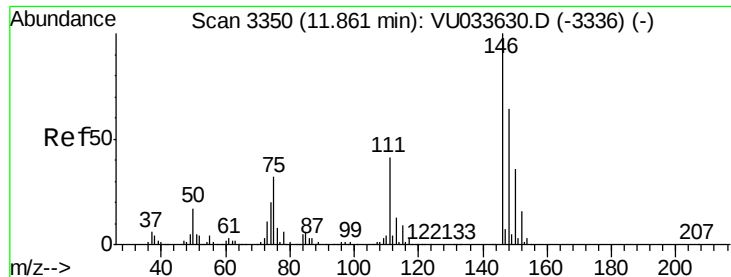
Abundance

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: 48.520 ug/L

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

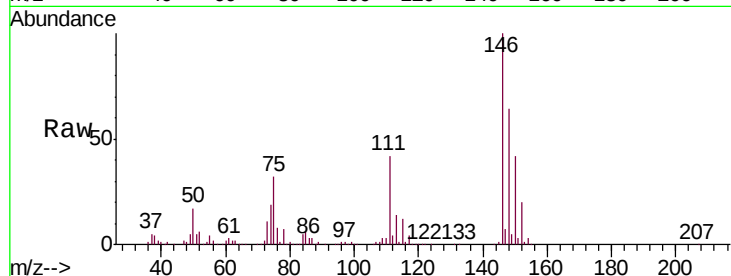
Tgt Ion: 146 Resp: 278705

Ion Ratio Lower Upper

146 100

111 41.8 33.0 49.4

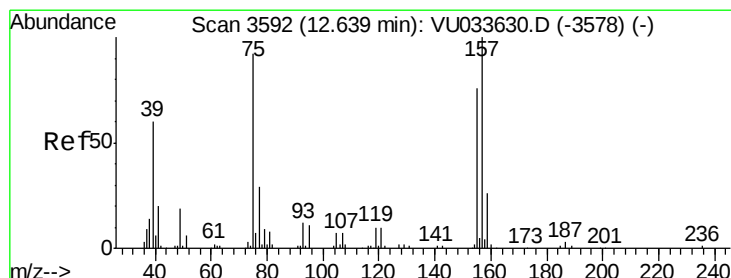
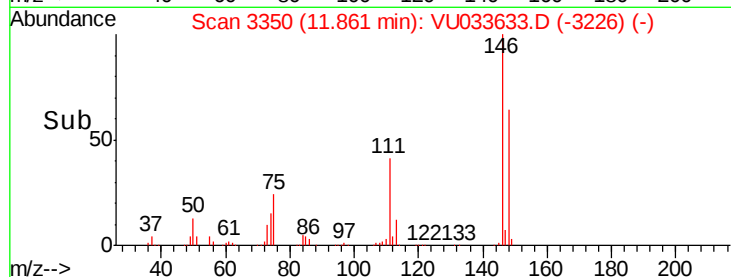
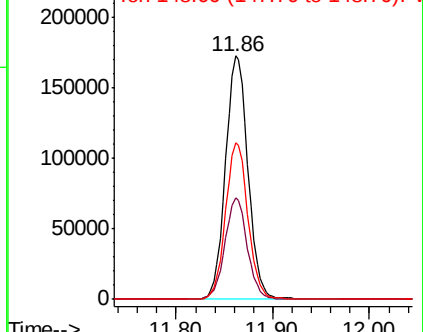
148 64.2 51.0 76.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 47.861 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

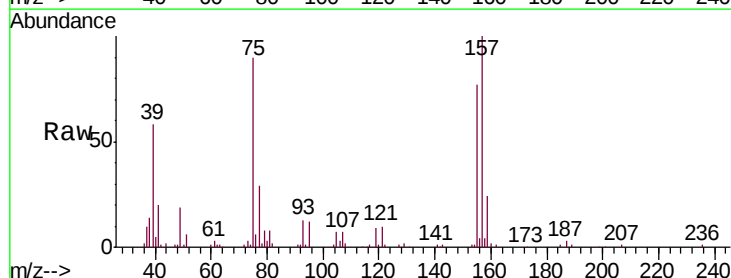
Tgt Ion: 75 Resp: 51207

Ion Ratio Lower Upper

75 100

155 85.5 65.8 98.8

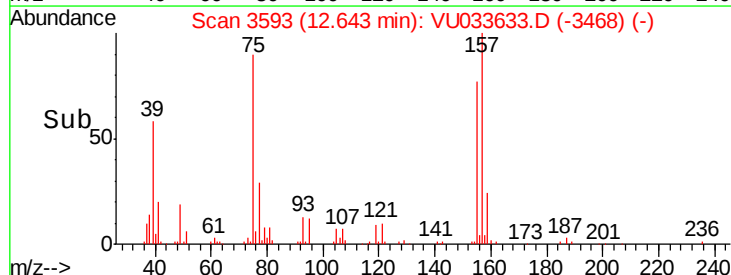
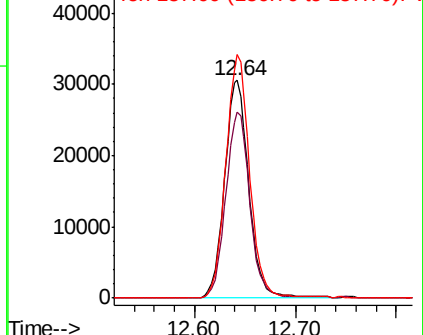
157 111.7 86.9 130.3

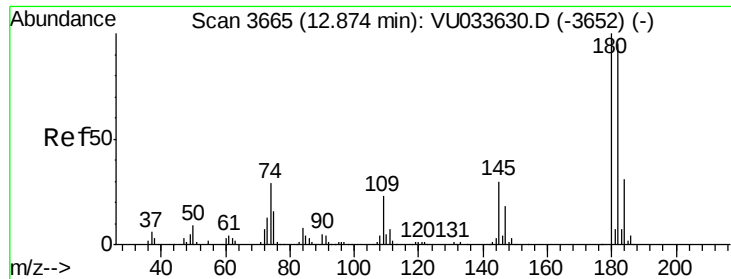


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

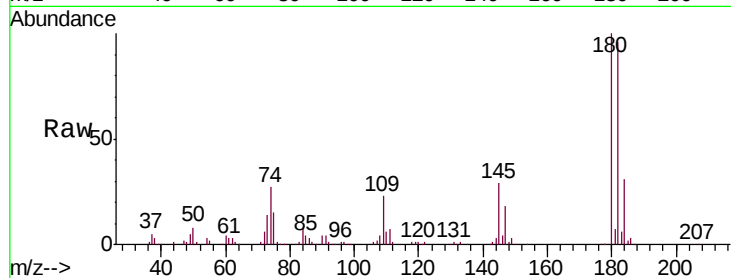




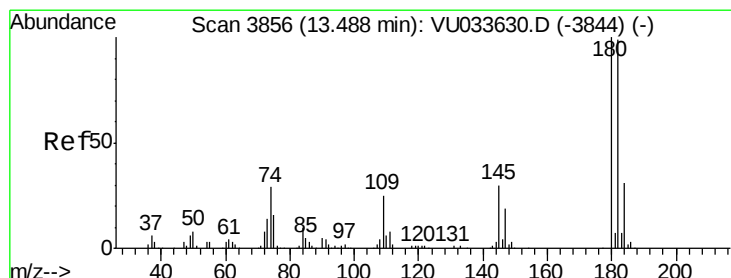
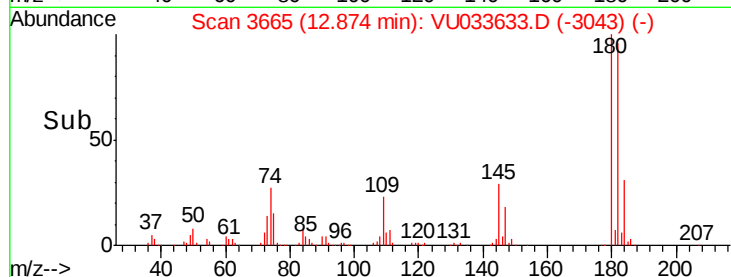
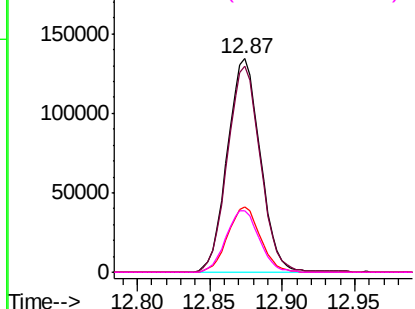
#67
 1,3,5-Trichlorobenzene
 Concen: 49.697 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV36

Tgt Ion:	180	Resp:	212767
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.3	114.5
184	30.3	24.2	36.4
145	29.1	23.5	35.3

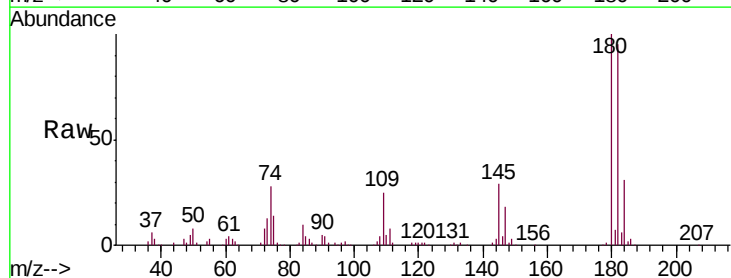


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

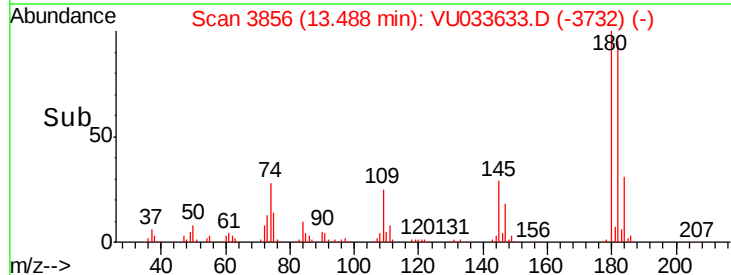
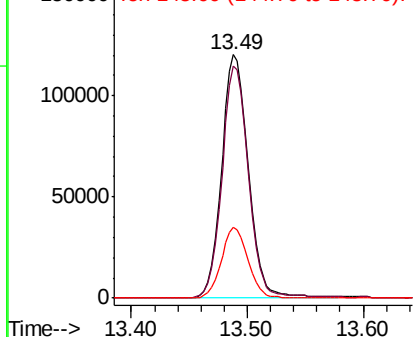


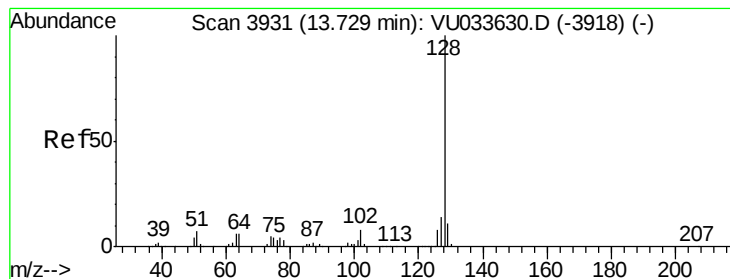
#68
 1,2,4-trichlorobenzene
 Concen: 53.961 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033633.D
 Acq: 08 Aug 2019 13:12

Tgt Ion:	180	Resp:	193106
Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.5	117.7
145	29.0	23.6	35.4



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: 57.673 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

Instrument :

MSVOA_U

ClientSampleId :

VICV36

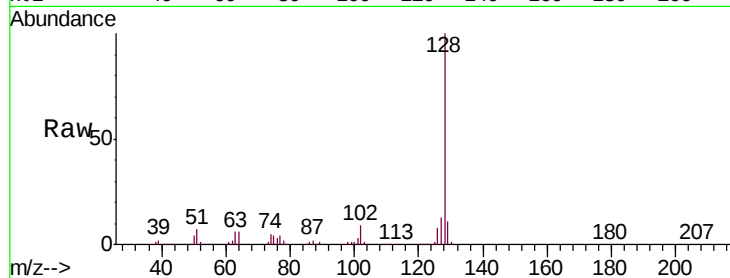
Tgt Ion:128 Resp: 602781

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

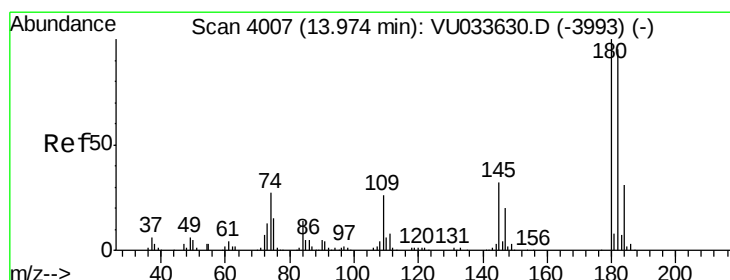
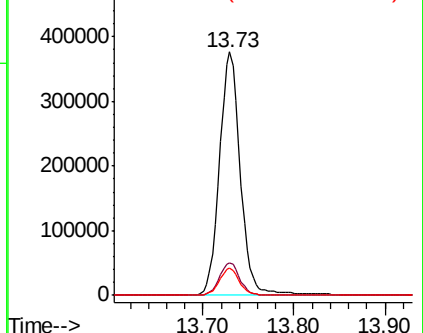
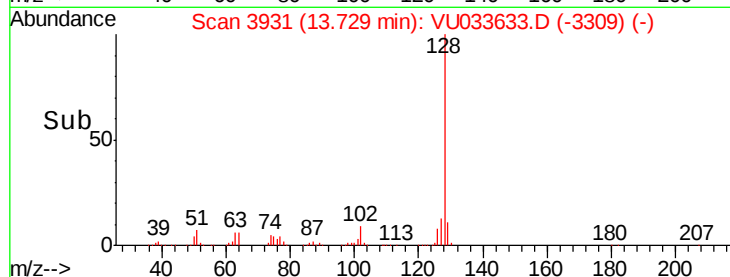
129 10.9 8.8 13.2



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: 53.594 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033633.D

Acq: 08 Aug 2019 13:12

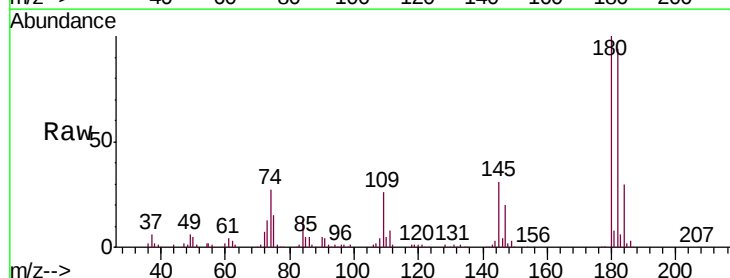
Tgt Ion:180 Resp: 200225

Ion Ratio Lower Upper

180 100

182 94.2 76.6 115.0

145 31.0 25.1 37.7



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

