

Data File : VU033906.D
Acq On : 22 Aug 2019 17:34
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Quant Time: Aug 23 02:42:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:20:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	612854	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	607438	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	305370	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	247514	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.10%
7) Chloroethane-d5	1.66	69	202378	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.94%
11) 1,1-Dichloroethene-d2	2.25	63	453622	46.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.58%
21) 2-Butanone-d5	4.15	46	366562	101.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.36%
24) Chloroform-d	4.62	84	420785	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
26) 1,2-Dichloroethane-d4	5.28	65	269158	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.20%
32) Benzene-d6	5.31	84	845274	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
36) 1,2-Dichloropropane-d6	6.31	67	274191	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.54	98	771715	49.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.98%
43) trans-1,3-Dichloropropene-	7.83	79	128614	49.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.54%
47) 2-Hexanone-d5	8.29	63	241817	103.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.85%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	383313	48.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	291174	46.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.46%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	262764	46.314	ug/L	99
3) Chloromethane	1.32	50	259061	47.521	ug/L	99
5) Vinyl chloride	1.39	62	299350	46.748	ug/L	99
6) Bromomethane	1.61	94	125803	50.707	ug/L	98
8) Chloroethane	1.68	64	181608	47.276	ug/L	99
9) Trichlorofluoromethane	1.87	101	350170	46.630	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	199599	46.485	ug/L	99
12) 1,1-Dichloroethene	2.27	96	195754	47.360	ug/L	96
13) Acetone	2.30	43	301627	91.313	ug/L	99
14) Carbon disulfide	2.46	76	611958	46.035	ug/L	100
15) Methyl Acetate	2.60	43	279335	48.559	ug/L	100
16) Methylene chloride	2.68	84	236276	47.445	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	208721	47.015	ug/L	99
18) Methyl tert-butyl Ether	2.98	73	662339	49.288	ug/L	100
19) 1,1-Dichloroethane	3.42	63	418843	47.341	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	235639	48.220	ug/L	97
22) 2-Butanone	4.23	43	412502	99.395	ug/L	100

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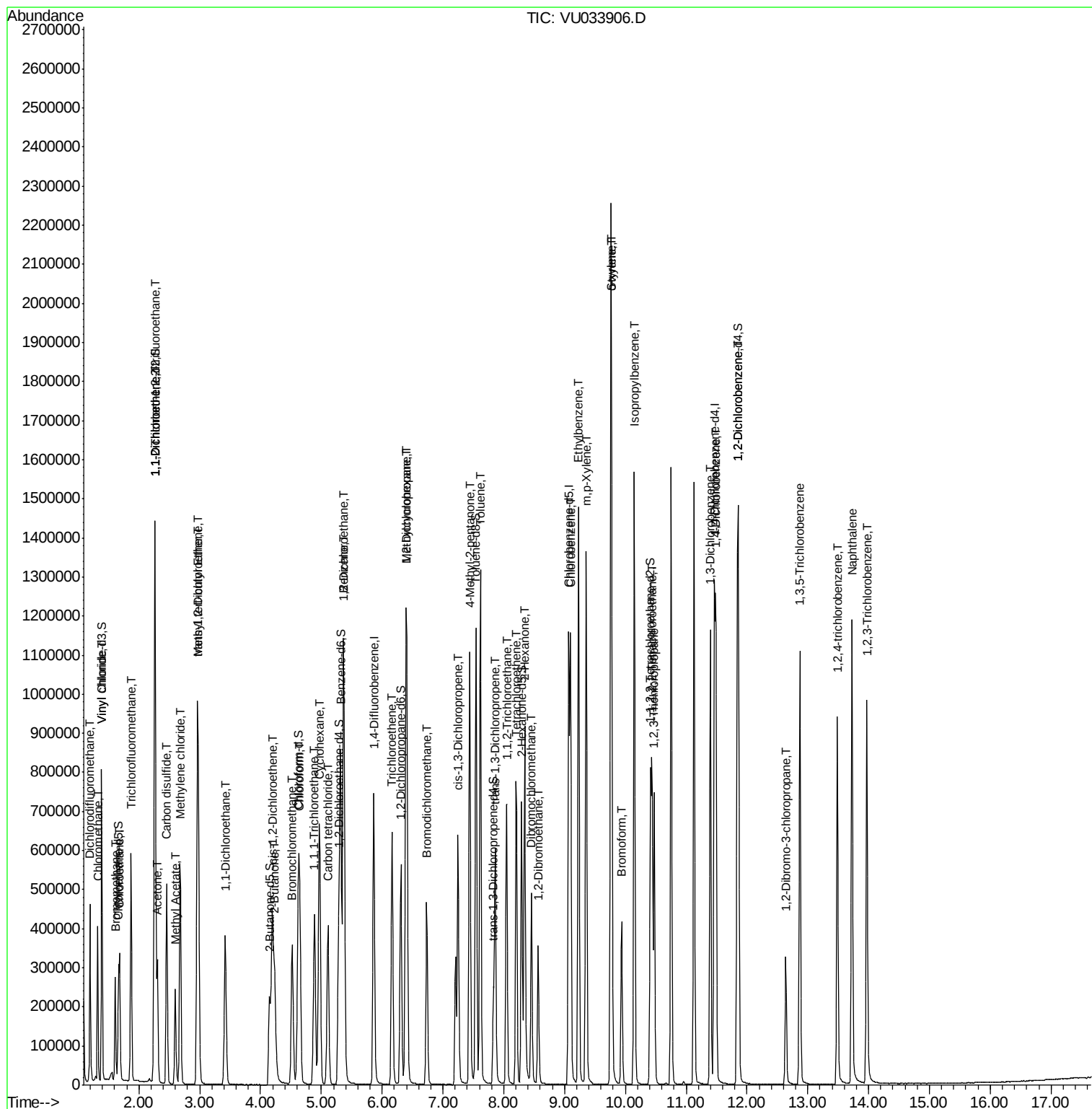
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	118528	47.163	ug/L	99
25) Chloroform	4.65	83	413783	47.222	ug/L	97
27) 1,2-Dichloroethane	5.38	62	325153	47.289	ug/L	100
29) Cyclohexane	4.97	56	353368	50.419	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	334394	47.801	ug/L	99
31) Carbon tetrachloride	5.11	117	296188	47.700	ug/L	99
33) Benzene	5.36	78	911499	49.625	ug/L	100
34) Trichloroethene	6.16	95	224996	47.210	ug/L	99
35) Methylcyclohexane	6.39	83	355337	49.455	ug/L	99
37) 1,2-Dichloropropane	6.41	63	244220	48.601	ug/L	100
38) Bromodichloromethane	6.74	83	313143	48.226	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	377118	50.492	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	733458	101.911	ug/L	100
42) Toluene	7.62	91	939649	49.438	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	336134	49.942	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	222058	48.164	ug/L	98
46) Tetrachloroethene	8.21	164	173500	46.844	ug/L	98
48) 2-Hexanone	8.34	43	588561	105.316	ug/L	99
49) Dibromochloromethane	8.46	129	244288	47.763	ug/L	99
50) 1,2-Dibromoethane	8.57	107	238854	48.581	ug/L	100
51) Chlorobenzene	9.10	112	594867	47.323	ug/L	98
52) Ethylbenzene	9.23	91	1027428	50.046	ug/L	100
53) m,p-Xylene	9.36	106	378069	49.974	ug/L	100
54) o-xylene	9.76	106	376584	50.499	ug/L	99
55) Styrene	9.77	104	656812	51.727	ug/L	97
56) Isopropylbenzene	10.15	105	981169	50.633	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	388334	48.597	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	307038	47.810	ug/L	100
61) Bromoform	9.94	173	186858	48.508	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	462019	48.166	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	464492	46.732	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	460144	48.082	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	87144	49.652	ug/L	99
67) 1,3,5-Trichlorobenzene	12.87	180	354001	48.012	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	301154	49.814	ug/L	100
69) Naphthalene	13.73	128	944913	52.349	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	318078	49.785	ug/L	99

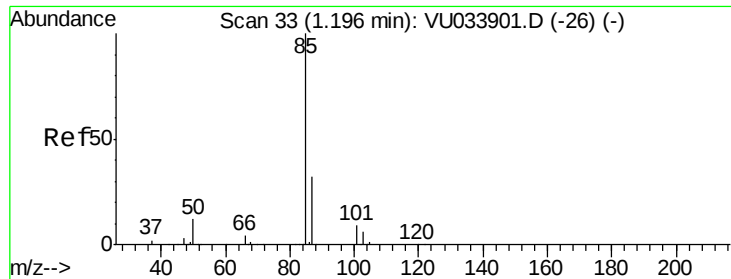
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.314 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

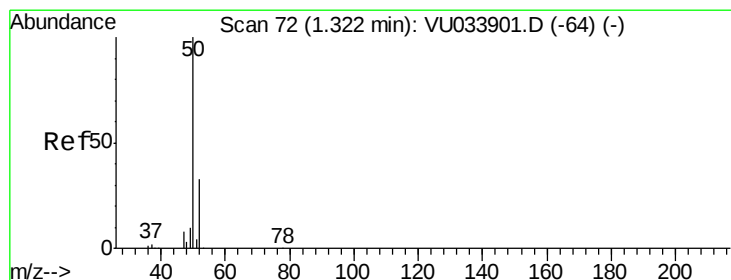
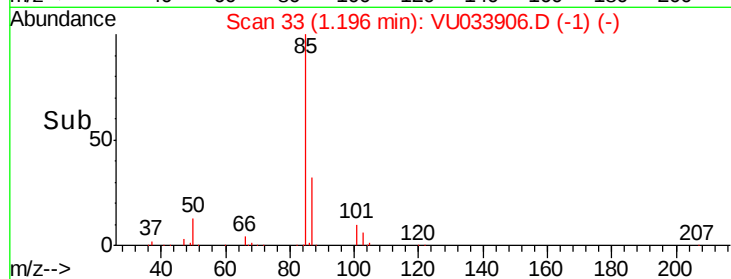
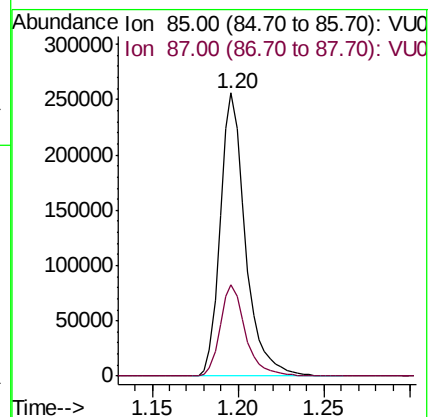
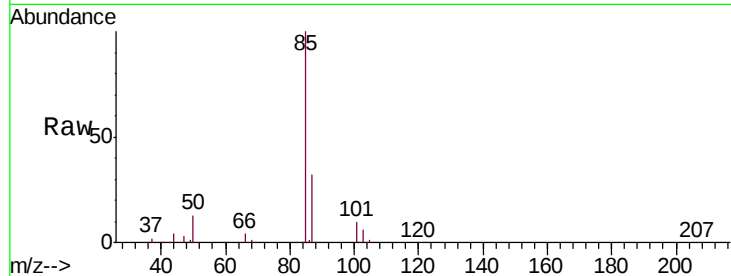
VICV35

Tgt Ion: 85 Resp: 262764

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



#3

Chloromethane

Concen: 47.521 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033906.D

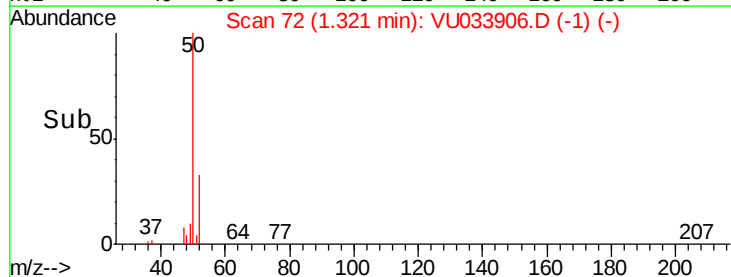
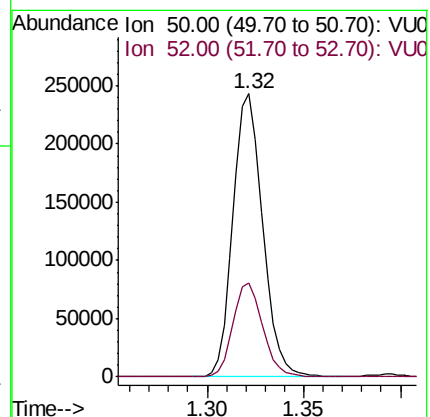
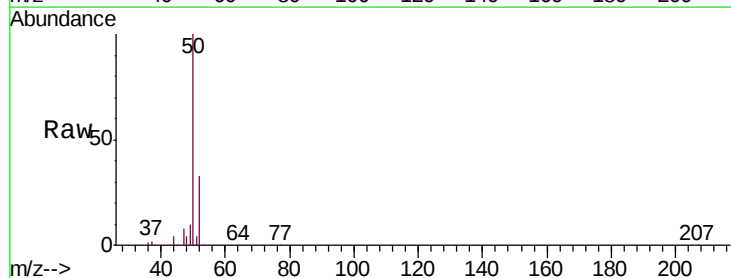
Acq: 22 Aug 2019 17:34

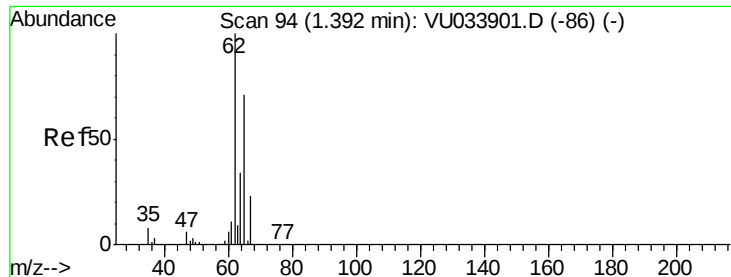
Tgt Ion: 50 Resp: 259061

Ion Ratio Lower Upper

50 100

52 33.2 23.0 42.8





#5

Vinyl chloride

Concen: 46.748 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

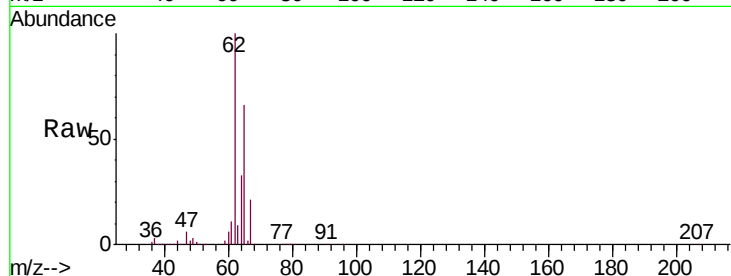
VICV35

Tgt Ion: 62 Resp: 299350

Ion Ratio Lower Upper

62 100

64 33.5 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033906.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033906.D (-86) (-)

1.39

300000

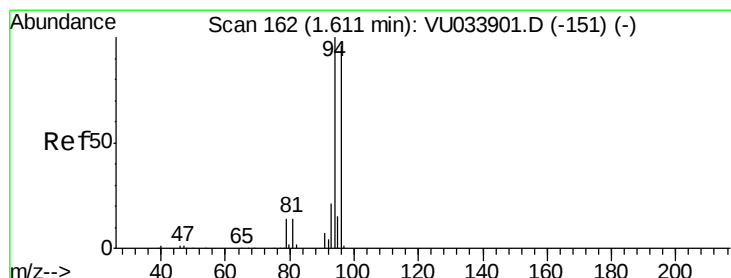
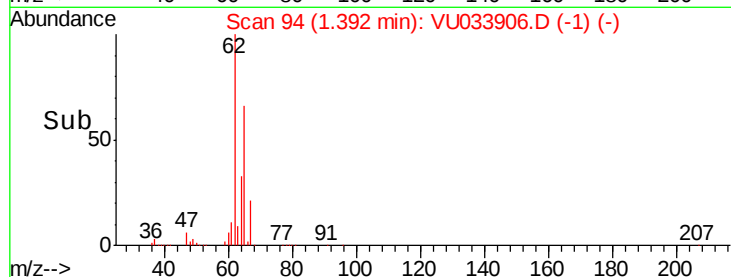
200000

100000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 50.707 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU033906.D

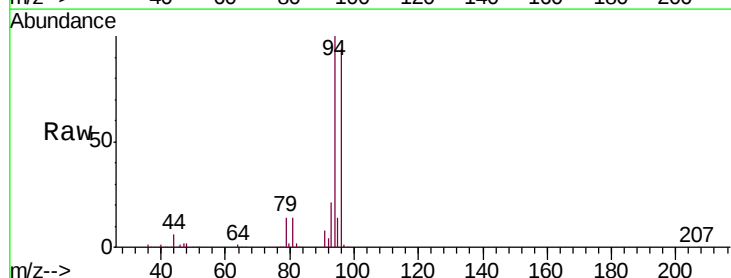
Acq: 22 Aug 2019 17:34

Tgt Ion: 94 Resp: 125803

Ion Ratio Lower Upper

94 100

96 94.2 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033906.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU033906.D (-151) (-)

1.61

100000

80000

60000

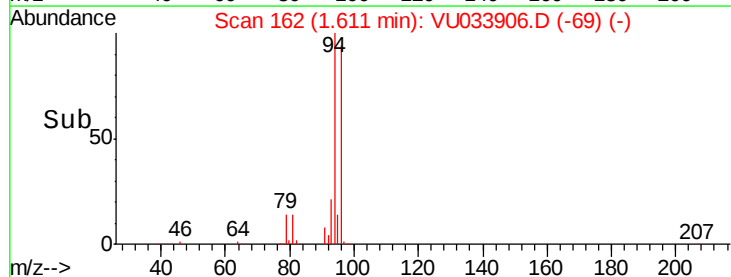
40000

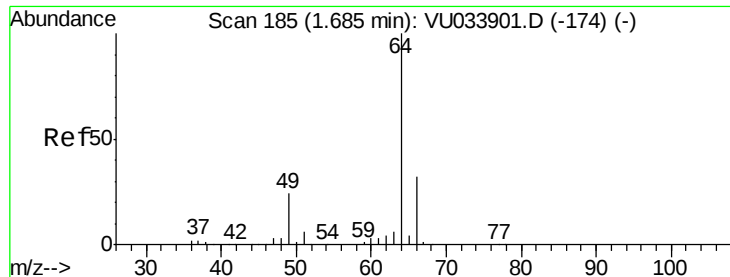
20000

0

1.55 1.60 1.65 1.70

Time-->





#8

Chloroethane

Concen: 47.276 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

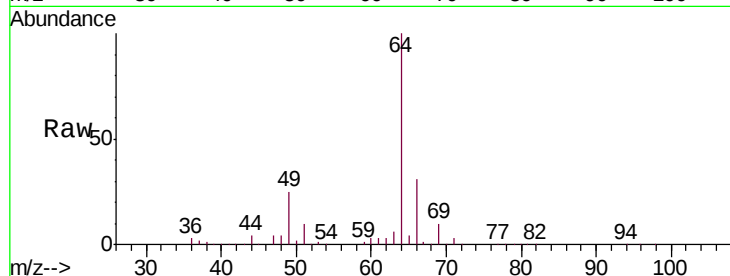
VICV35

Tgt Ion: 64 Resp: 181608

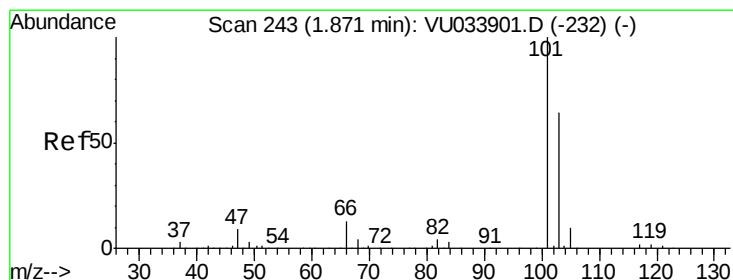
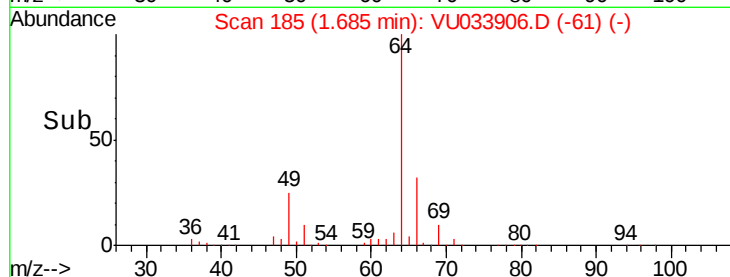
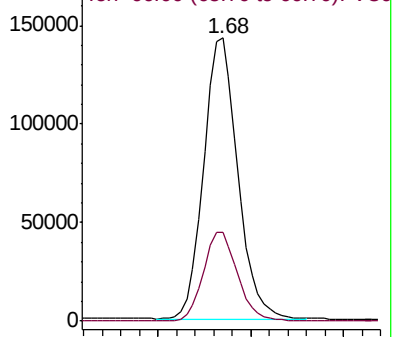
Ion Ratio Lower Upper

64 100

66 31.2 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU033906.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 46.630 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033906.D

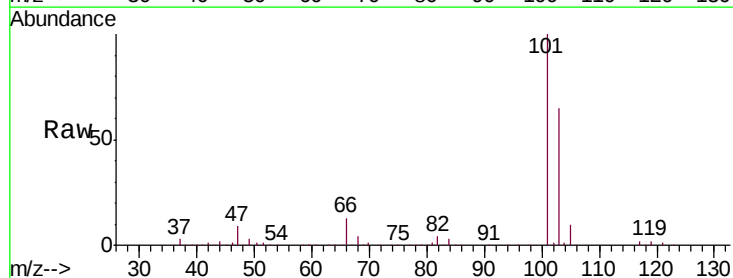
Acq: 22 Aug 2019 17:34

Tgt Ion: 101 Resp: 350170

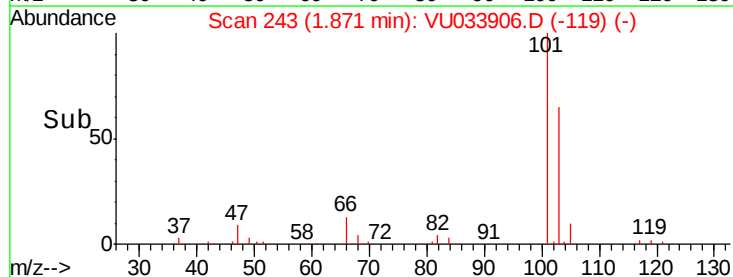
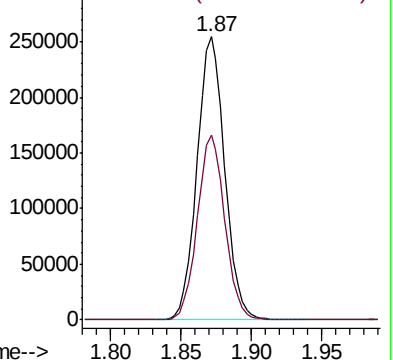
Ion Ratio Lower Upper

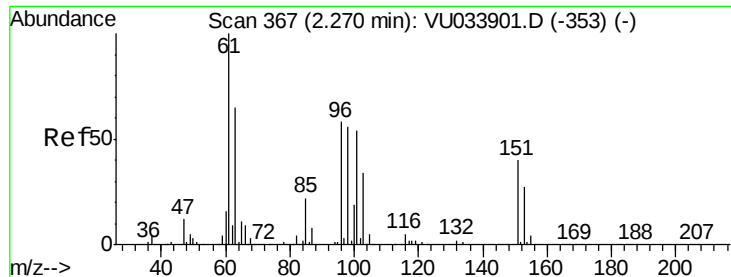
101 100

103 64.6 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU033906.D (-232) (-)





#10

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

Concen: 46.485 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

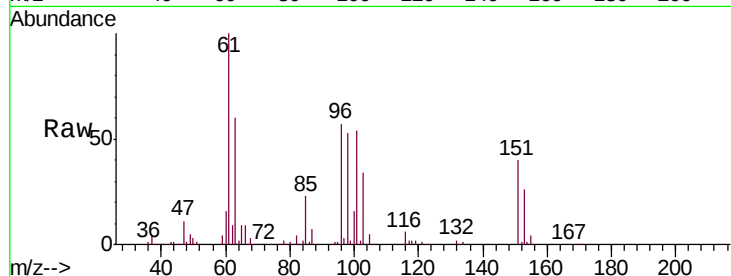
Tgt Ion: 101 Resp: 199599

Ion Ratio Lower Upper

101 100

85 43.3 33.7 50.5

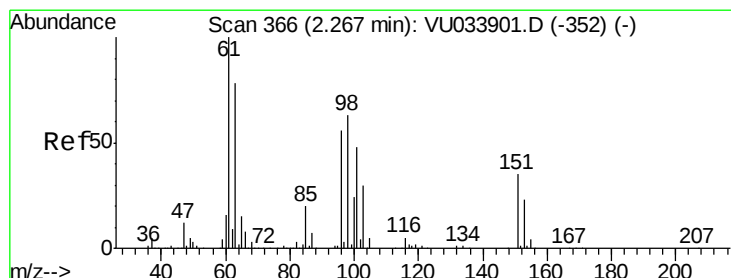
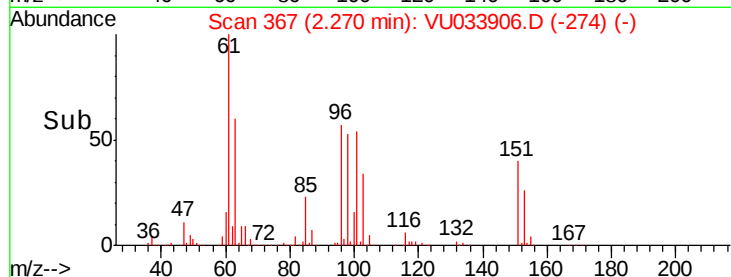
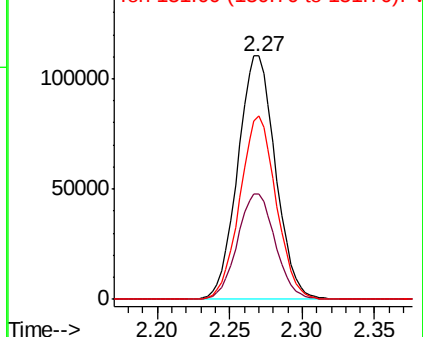
151 72.5 57.8 86.6



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: 47.360 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

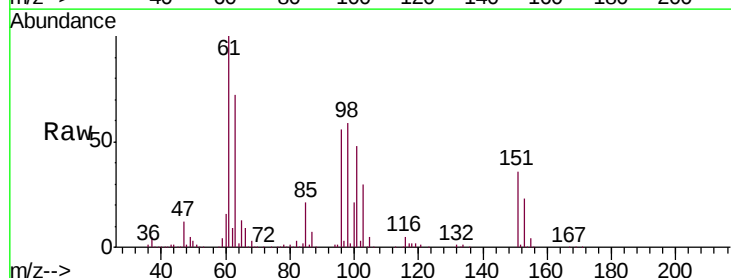
Tgt Ion: 96 Resp: 195754

Ion Ratio Lower Upper

96 100

61 179.3 124.7 231.5

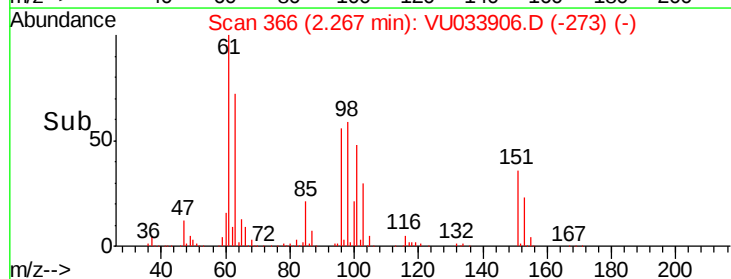
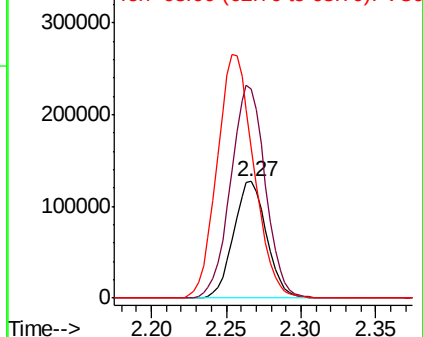
63 129.0 97.9 181.9

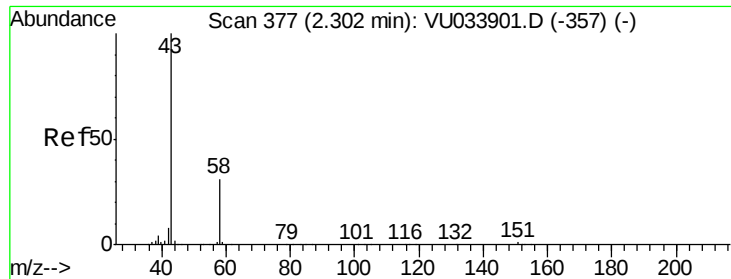


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.313 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

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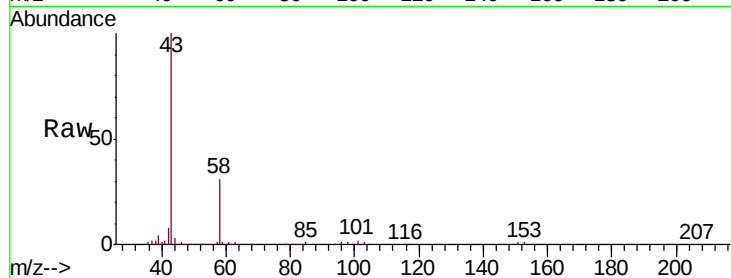
VICV35

Tgt Ion: 43 Resp: 301627

Ion Ratio Lower Upper

43 100

58 30.9 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033906.D (-284) (-)

Ion 58.00 (57.70 to 58.70): VU033906.D (-284) (-)

2.30

200000

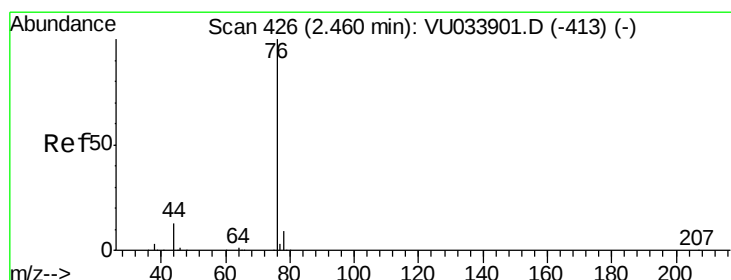
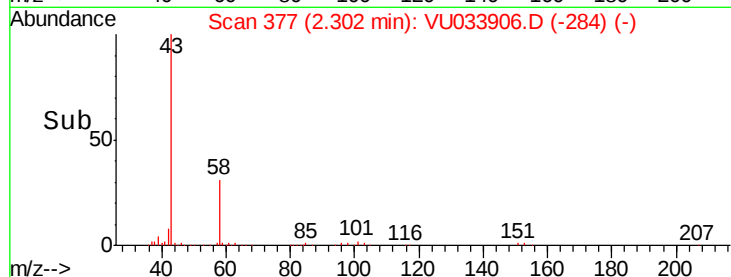
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 46.035 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VU033906.D

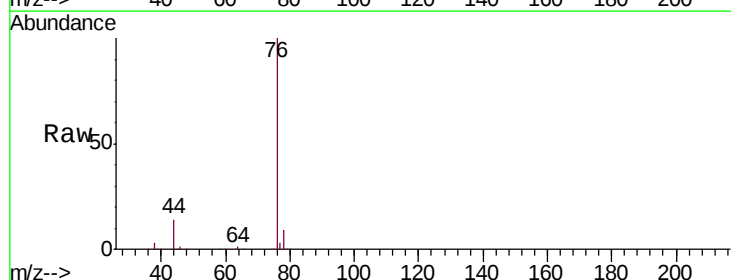
Acq: 22 Aug 2019 17:34

Tgt Ion: 76 Resp: 611958

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033906.D (-333) (-)

Ion 78.00 (77.70 to 78.70): VU033906.D (-333) (-)

2.46

400000

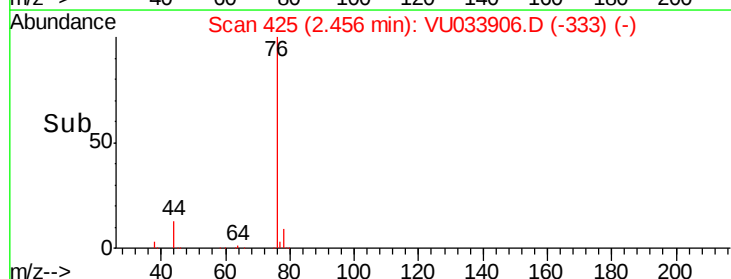
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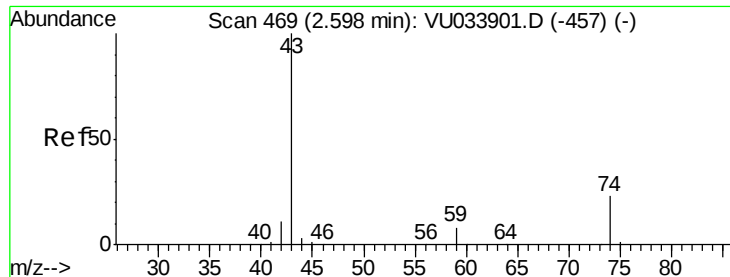
200000

100000

0

Time-->





#15

Methyl Acetate

Concen: 48.559 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampled :

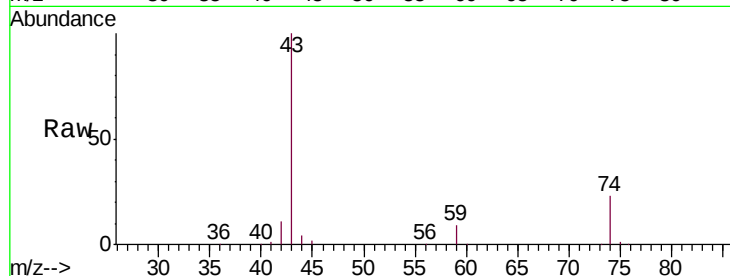
VICV35

Tgt Ion: 43 Resp: 279335

Ion Ratio Lower Upper

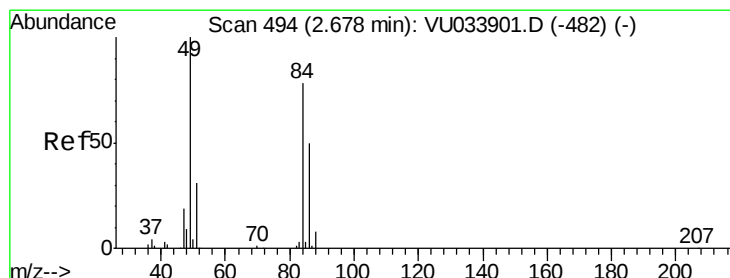
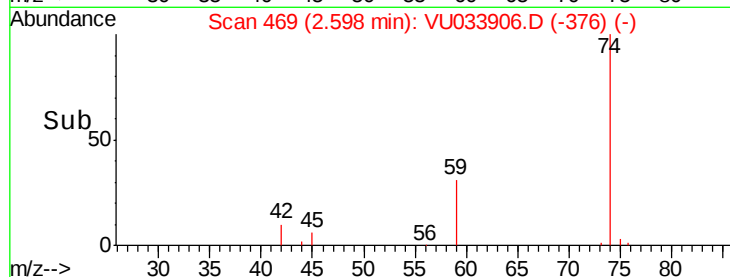
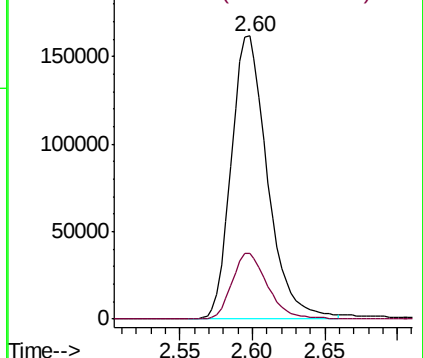
43 100

74 23.1 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU033906.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU033906.D (-376) (-)



#16

Methylene chloride

Concen: 47.445 ug/L

RT: 2.68 min Scan# 494

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

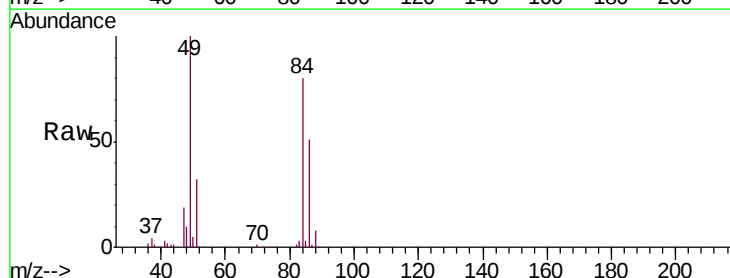
Tgt Ion: 84 Resp: 236276

Ion Ratio Lower Upper

84 100

86 64.3 45.3 84.1

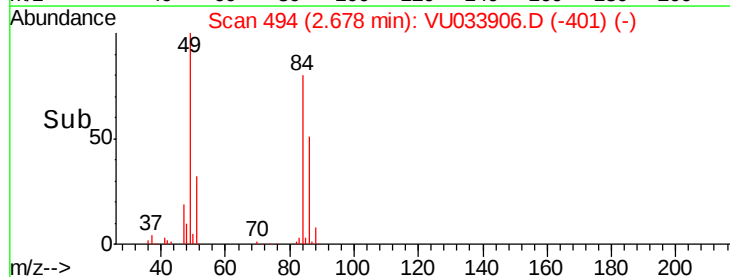
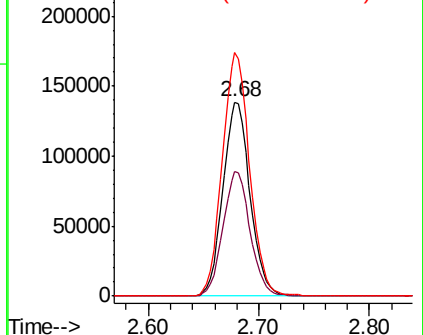
49 125.5 90.2 167.6

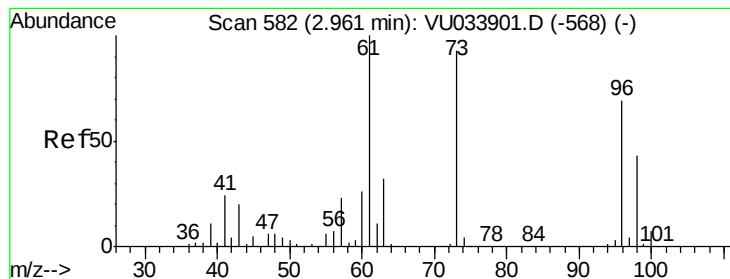


Abundance Ion 84.00 (83.70 to 84.70): VU033906.D (-401) (-)

Ion 86.00 (85.70 to 86.70): VU033906.D (-401) (-)

Ion 49.00 (48.70 to 49.70): VU033906.D (-401) (-)





#17

trans-1,2-Dichloroethene

Concen: 47.015 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampled :

VICV35

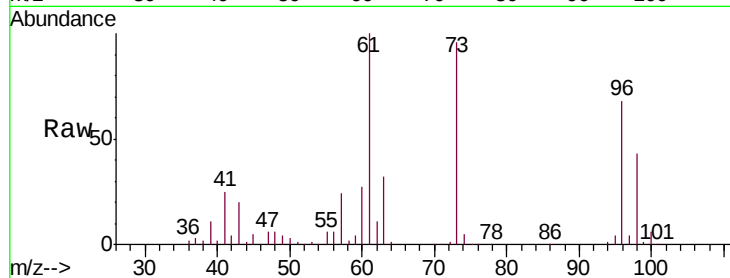
Tgt Ion: 96 Resp: 208721

Ion Ratio Lower Upper

96 100

61 146.5 101.2 187.8

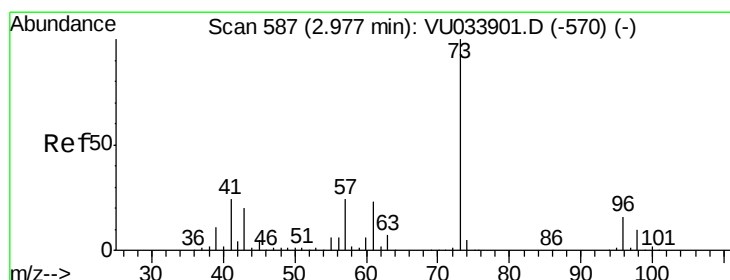
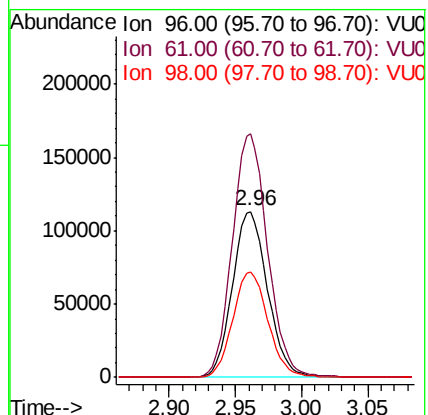
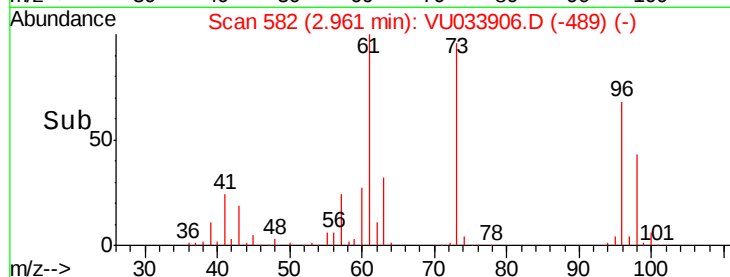
98 63.6 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU033906.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033906.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033906.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 49.288 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

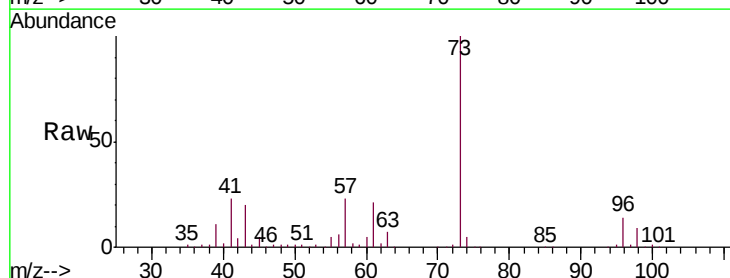
Tgt Ion: 73 Resp: 662339

Ion Ratio Lower Upper

73 100

43 20.3 16.3 24.5

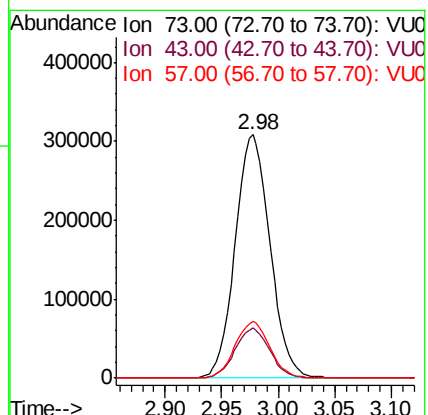
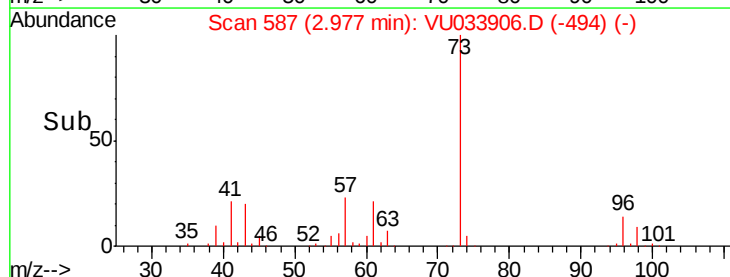
57 23.2 18.8 28.2

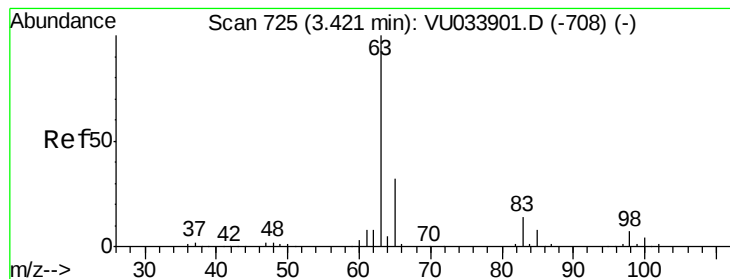


Abundance Ion 73.00 (72.70 to 73.70): VU033906.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033906.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033906.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 47.341 ug/L

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

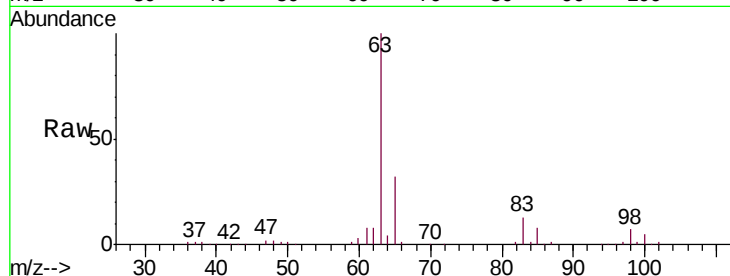
Tgt Ion: 63 Resp: 418843

Ion Ratio Lower Upper

63 100

65 31.6 22.4 41.6

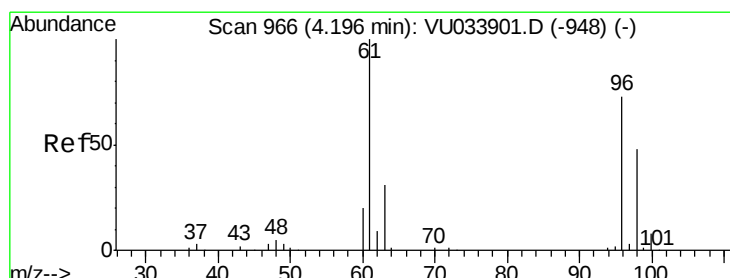
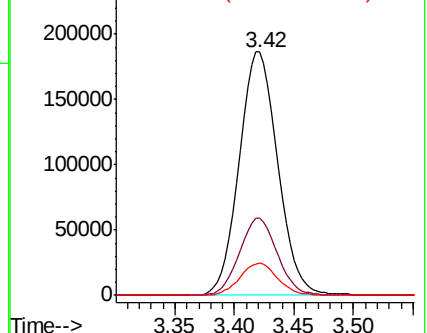
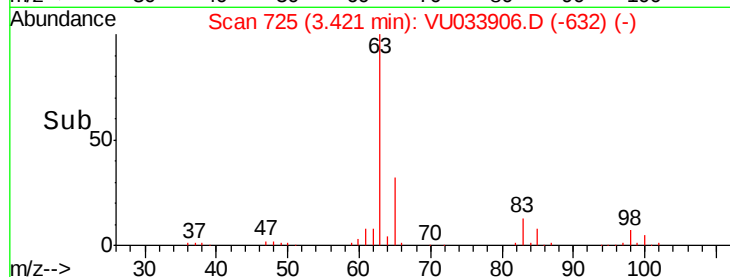
83 13.1 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033906.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033906.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033906.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.220 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

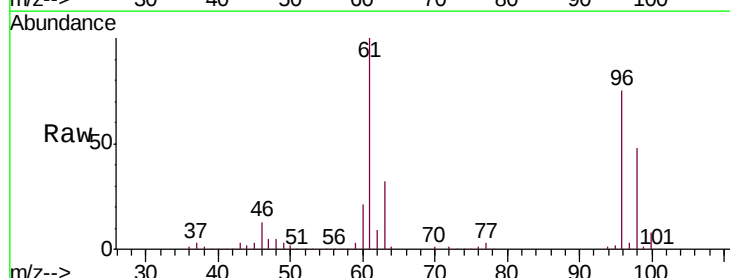
Tgt Ion: 96 Resp: 235639

Ion Ratio Lower Upper

96 100

61 132.9 95.5 177.4

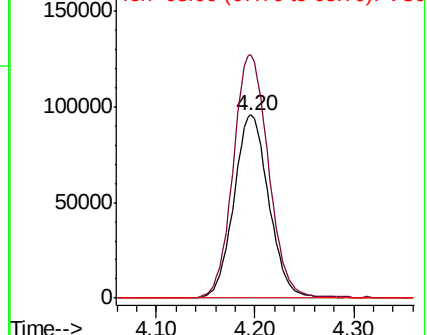
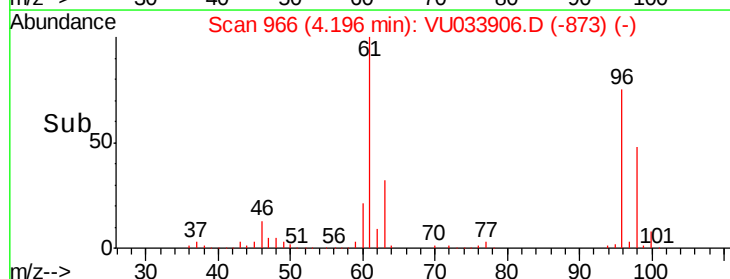
68 0.0 0.0 0.0

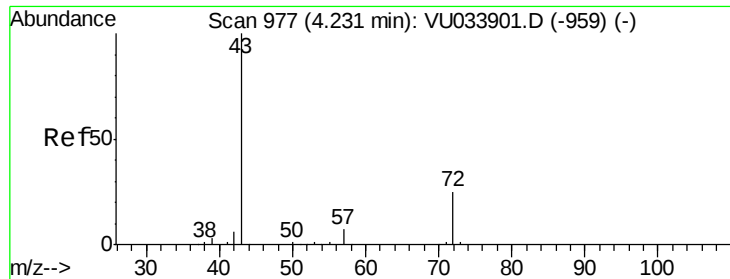


Abundance Ion 96.00 (95.70 to 96.70): VU033906.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033906.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033906.D (-873) (-)





#22

2-Butanone

Concen: 99.395 ug/L

RT: 4.23 min Scan# 977

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

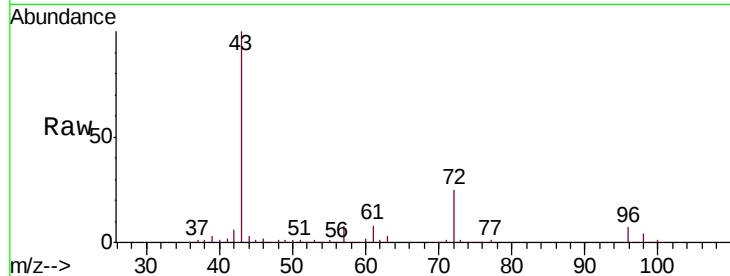
VICV35

Tgt Ion: 43 Resp: 412502

Ion Ratio Lower Upper

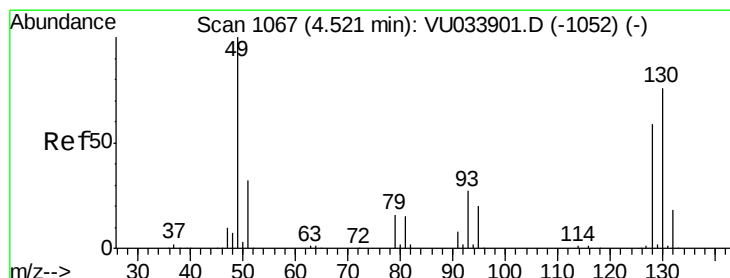
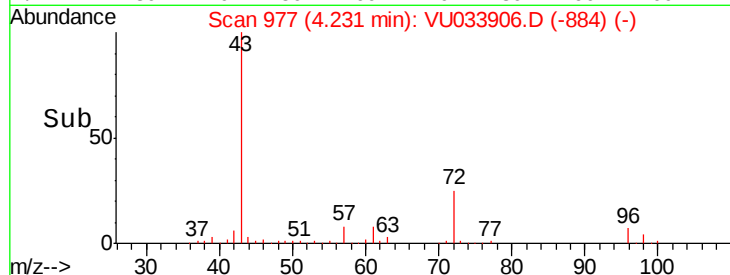
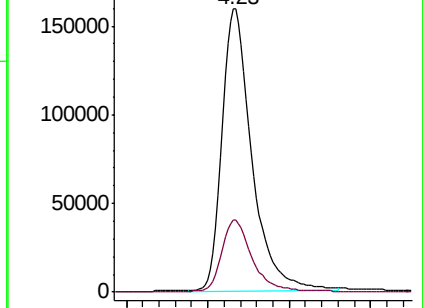
43 100

72 26.0 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VU033906.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VU033906.D (-884) (-)



#23

Bromochloromethane

Concen: 47.163 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Tgt Ion: 128 Resp: 118528

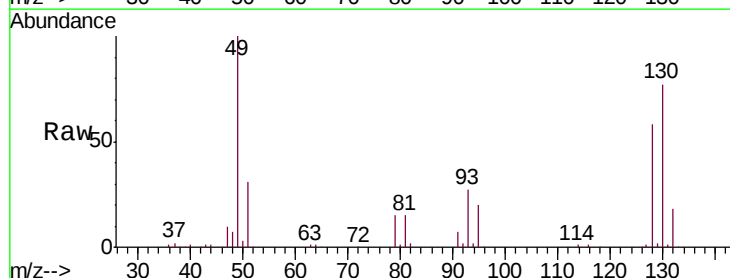
Ion Ratio Lower Upper

128 100

49 171.6 119.4 221.8

130 131.7 90.9 168.7

51 52.6 43.0 64.4

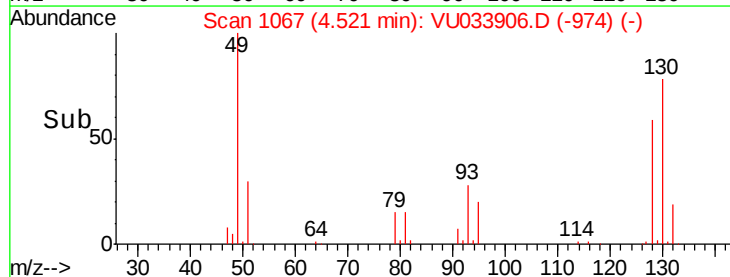
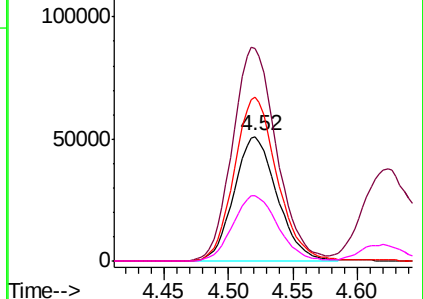


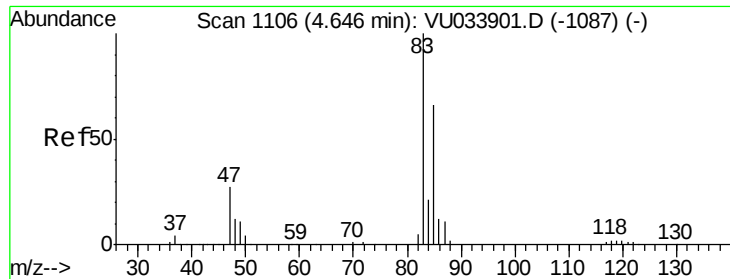
Abundance Ion 128.00 (127.70 to 128.70): VU033906.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033906.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033906.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033906.D (-974) (-)

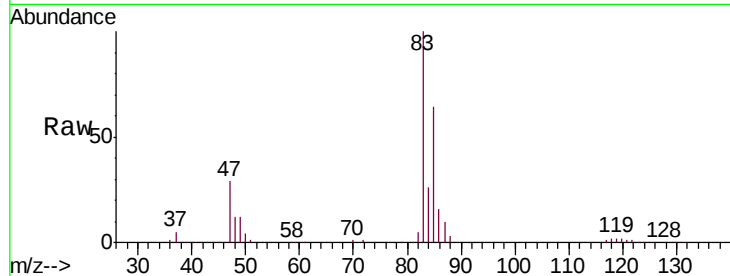




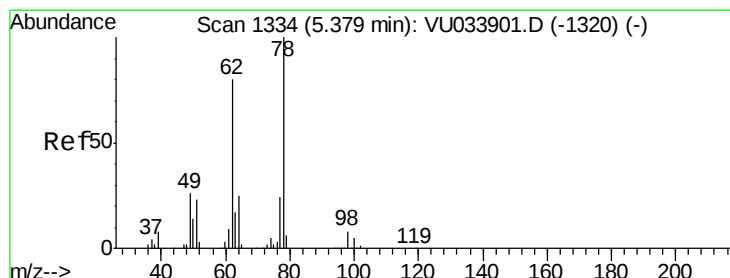
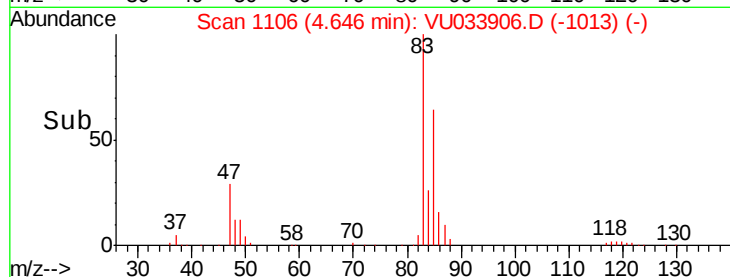
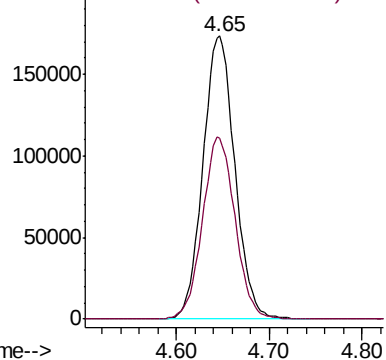
#25
Chloroform
Concen: 47.222 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Tgt Ion: 83 Resp: 413783
Ion Ratio Lower Upper
83 100
85 64.0 46.2 85.8

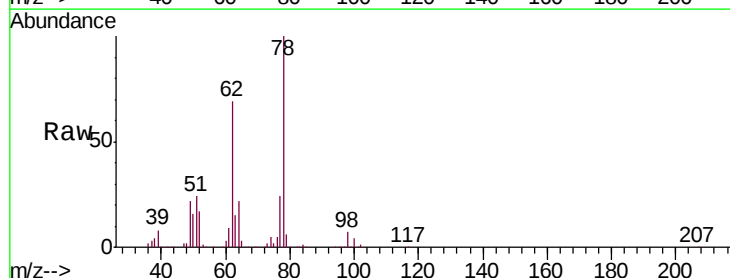


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0

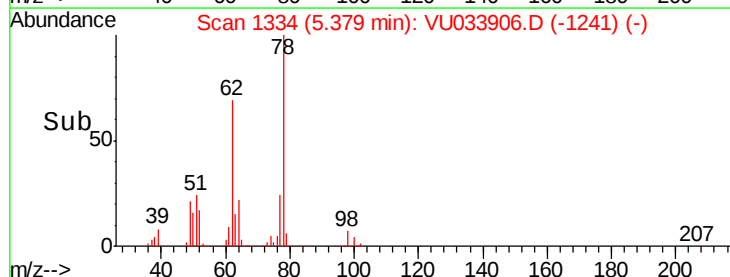
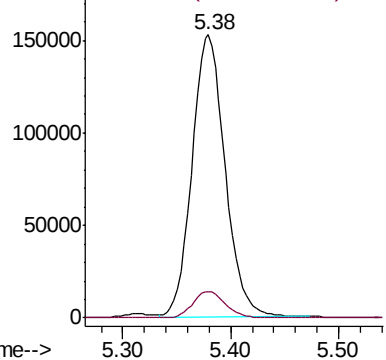


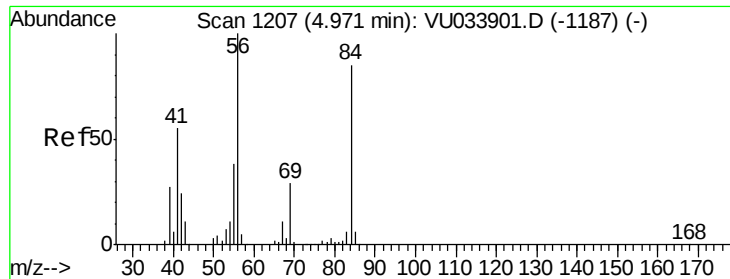
#27
1,2-Dichloroethane
Concen: 47.289 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Tgt Ion: 62 Resp: 325153
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

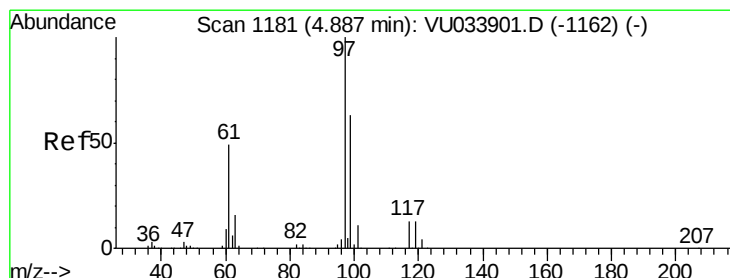
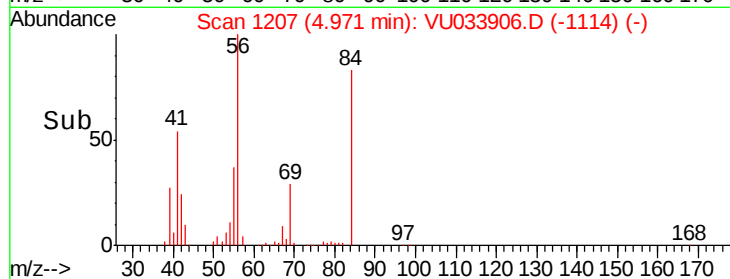
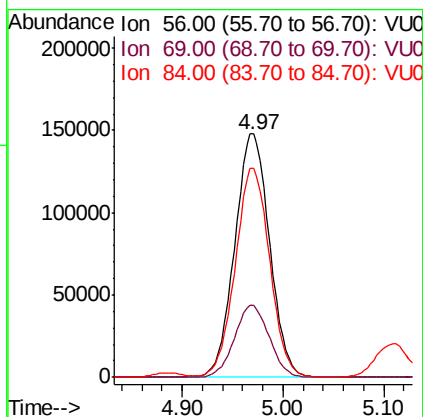
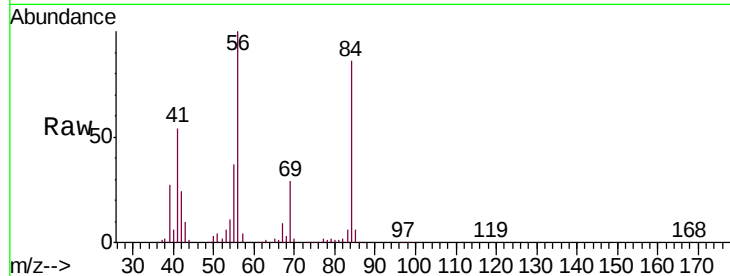




#29
Cyclohexane
Concen: 50.419 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

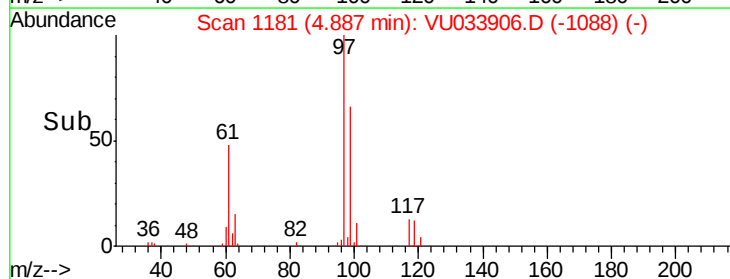
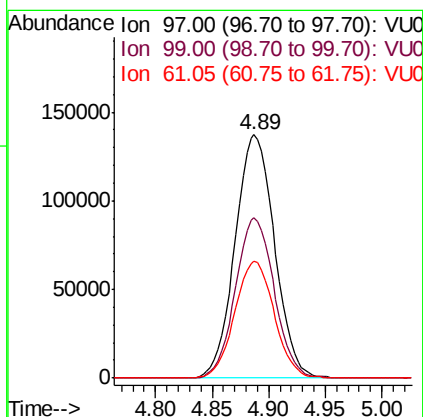
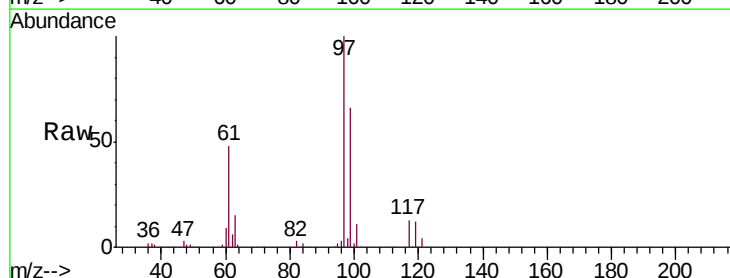
Instrument :
MSVOA_U
ClientSampleId :
VICV35

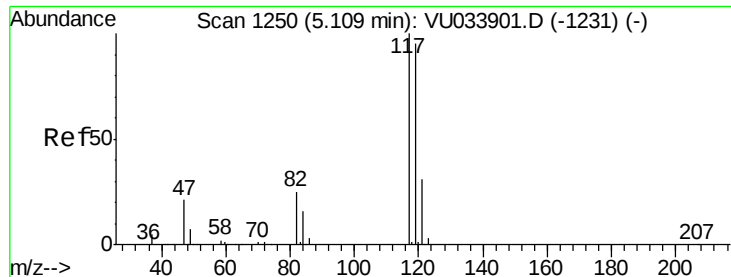
Tgt Ion: 56 Resp: 353368
Ion Ratio Lower Upper
56 100
69 29.6 24.1 36.1
84 84.7 68.6 103.0



#30
1,1,1-Trichloroethane
Concen: 47.801 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Tgt Ion: 97 Resp: 334394
Ion Ratio Lower Upper
97 100
99 64.8 51.1 76.7
61 48.0 38.6 57.8





#31

Carbon tetrachloride

Concen: 47.700 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

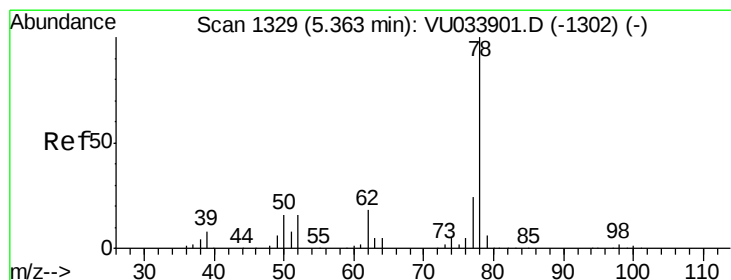
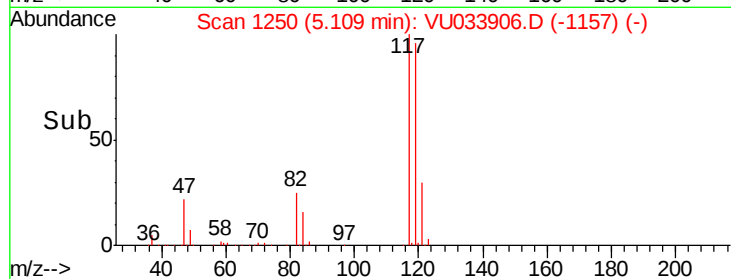
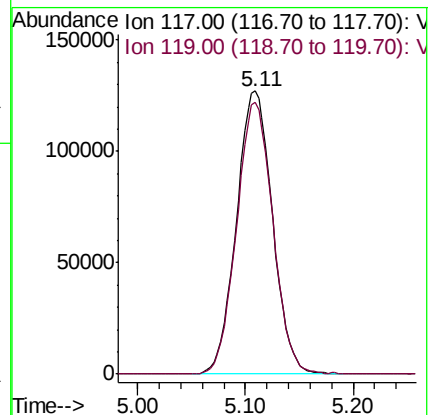
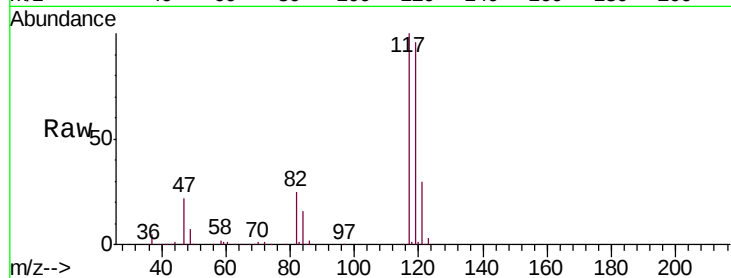
VICV35

Tgt Ion:117 Resp: 296188

Ion Ratio Lower Upper

117 100

119 96.4 76.3 114.5



#33

Benzene

Concen: 49.625 ug/L

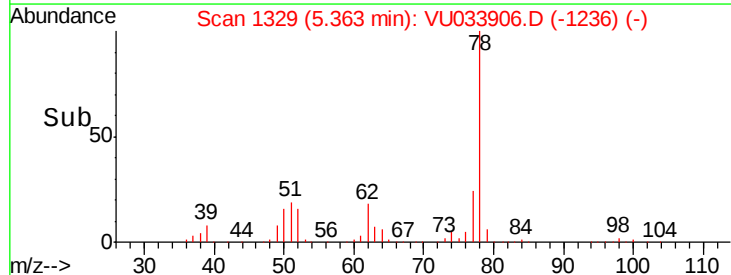
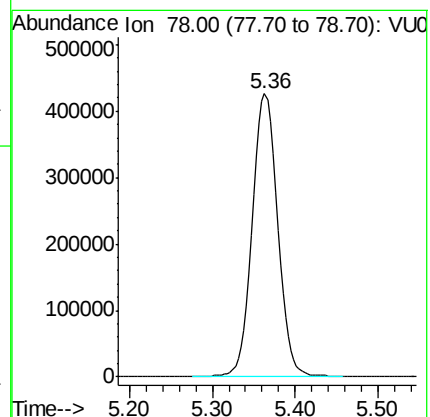
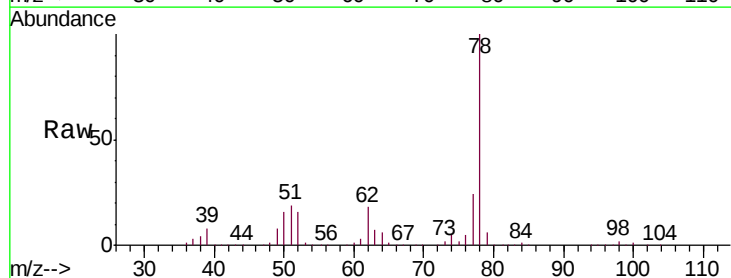
RT: 5.36 min Scan# 1329

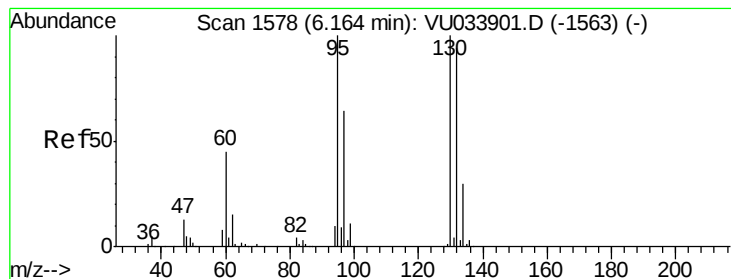
Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Tgt Ion: 78 Resp: 911499





#34

Trichloroethene

Concen: 47.210 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

Tgt Ion: 95 Resp: 224996

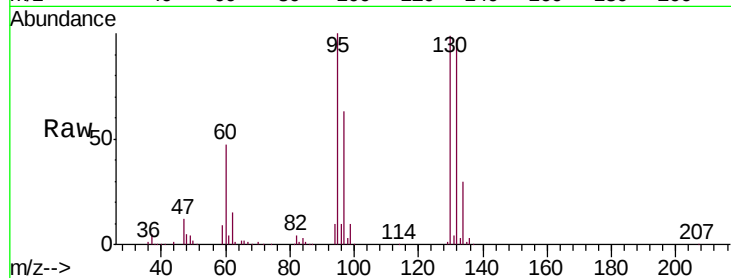
Ion Ratio Lower Upper

95 100

97 63.3 44.7 82.9

132 96.9 65.7 122.1

130 99.4 70.0 130.0



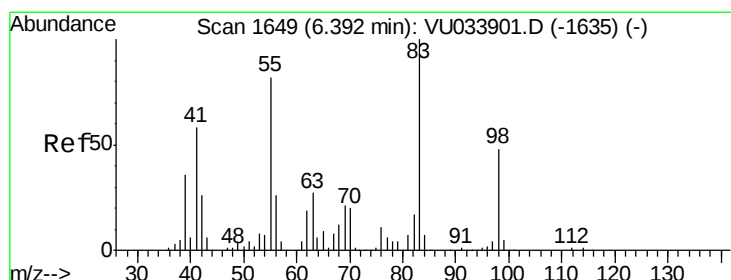
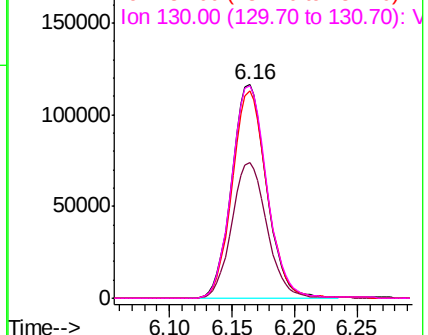
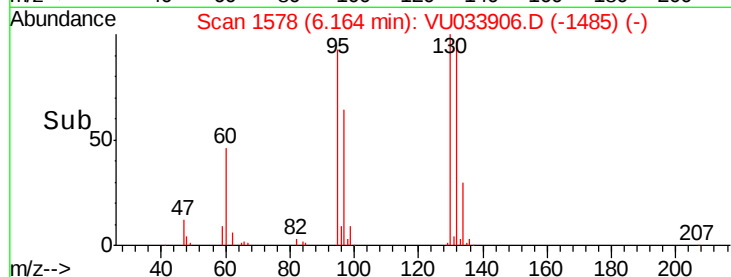
Abundance

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: 49.455 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

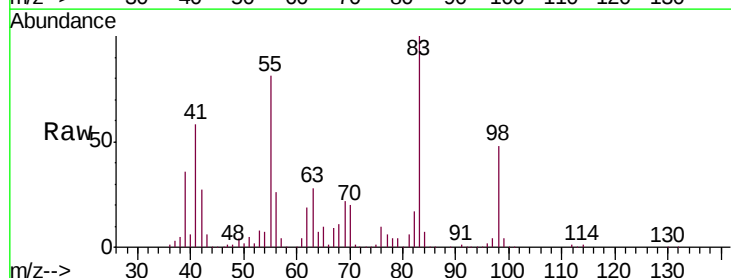
Tgt Ion: 83 Resp: 355337

Ion Ratio Lower Upper

83 100

55 80.2 64.4 96.6

98 47.5 38.7 58.1

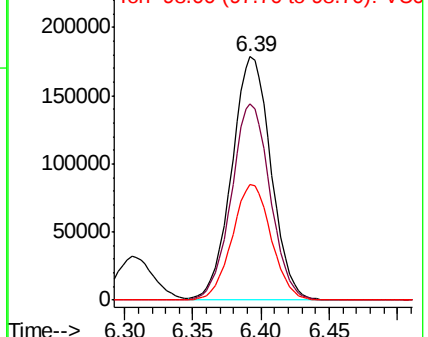
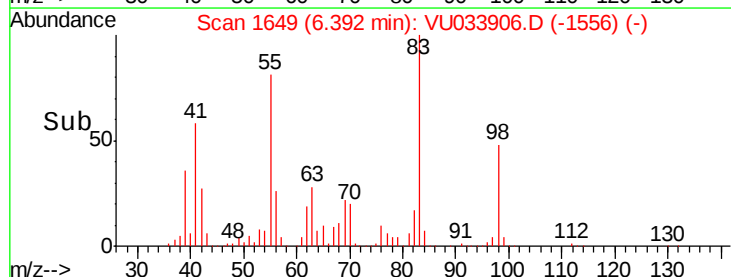


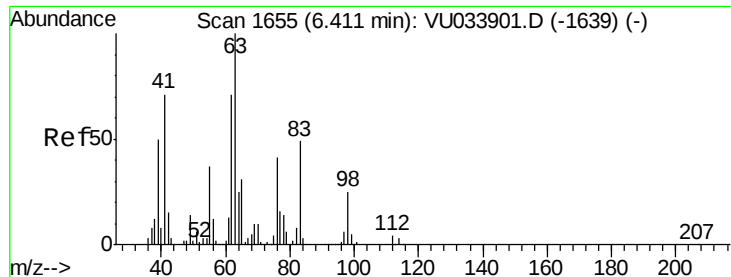
Abundance

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: 48.601 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampled :

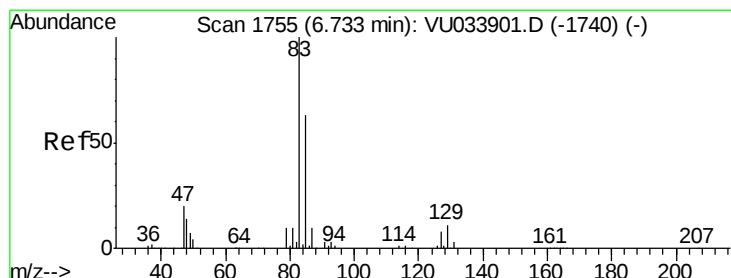
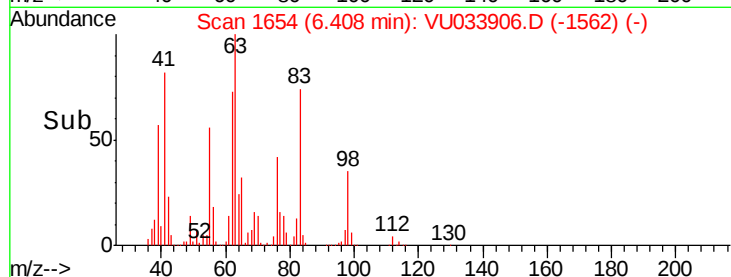
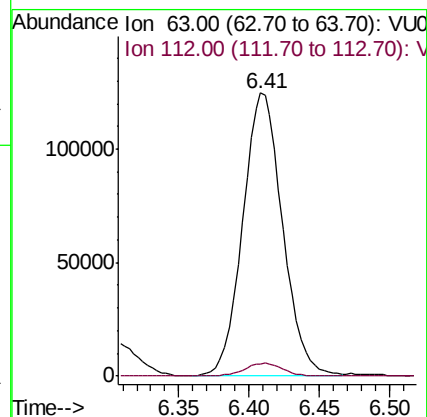
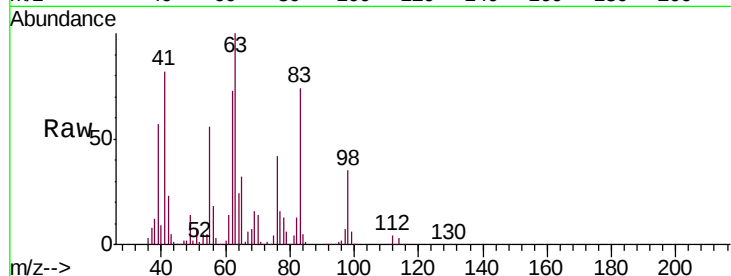
VICV35

Tgt Ion: 63 Resp: 244220

Ion Ratio Lower Upper

63 100

112 4.5 3.5 5.3



#38

Bromodichloromethane

Concen: 48.226 ug/L

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

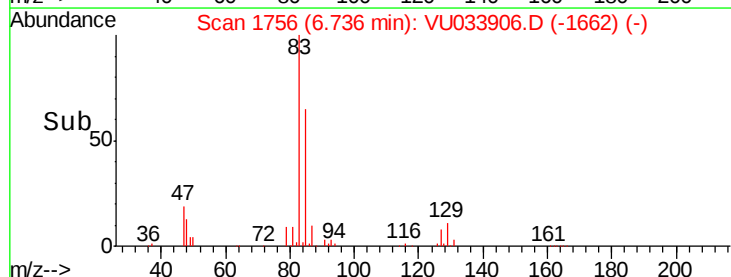
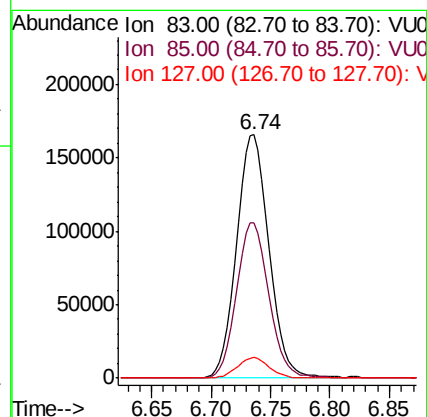
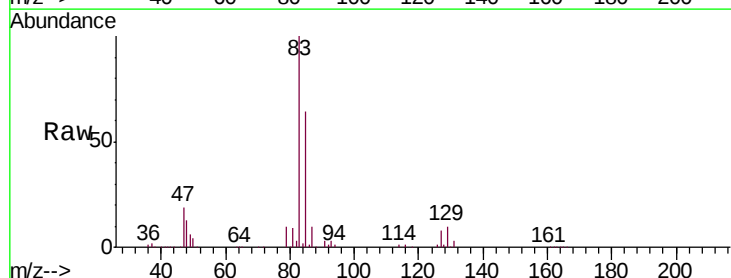
Tgt Ion: 83 Resp: 313143

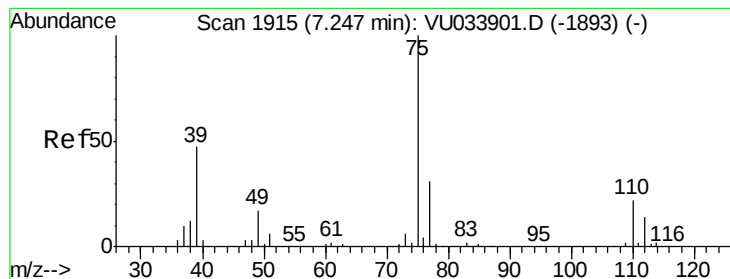
Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.8

127 8.4 6.8 10.2



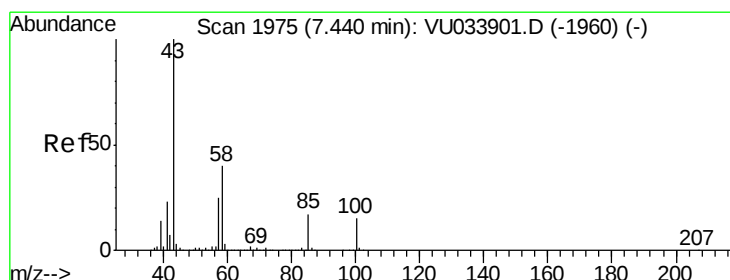
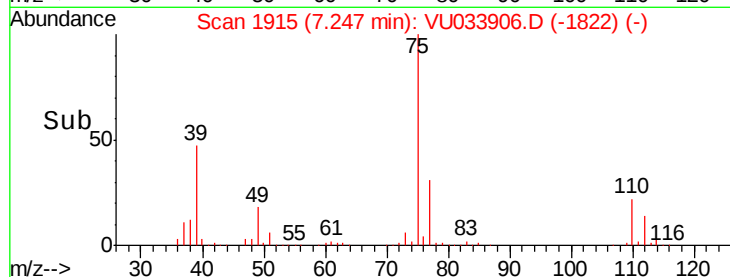
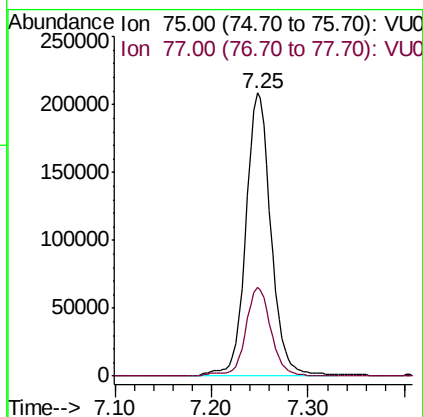
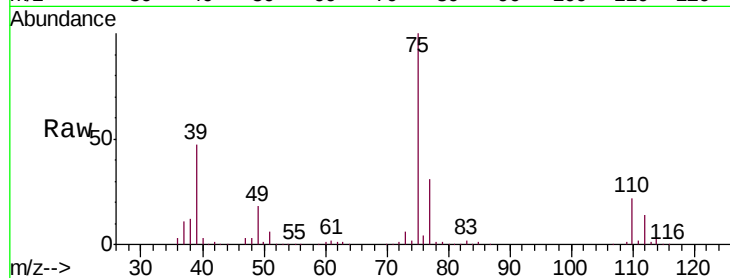


#39

cis-1,3-Dichloropropene
Concen: 50.492 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Instrument :
MSVOA_U
ClientSampleId :
VICV35

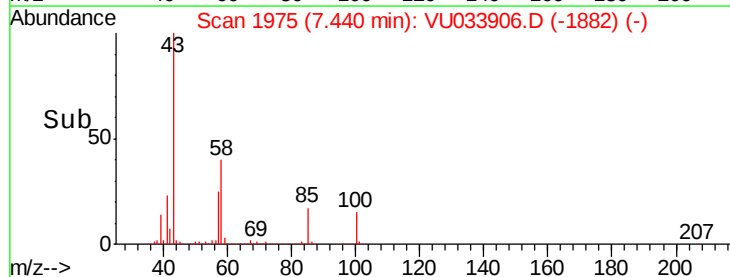
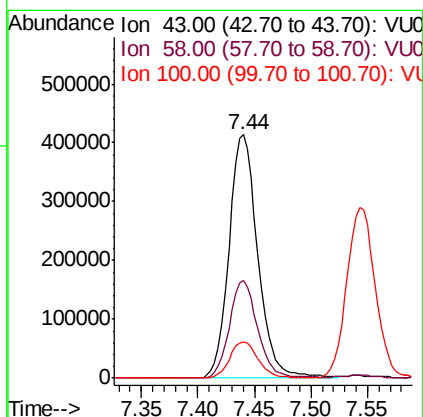
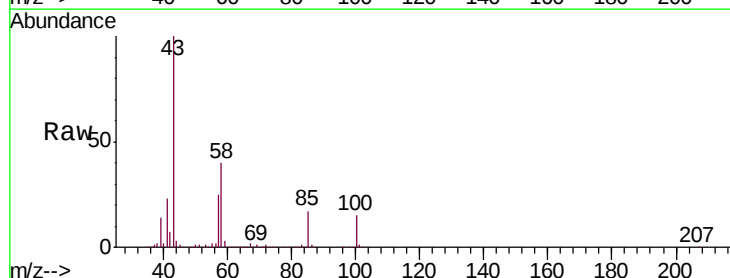
Tgt Ion: 75 Resp: 377118
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.4

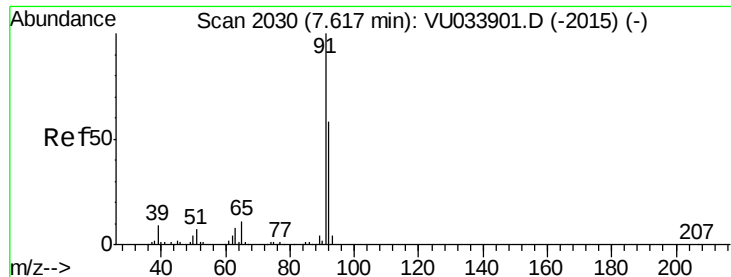


#40

4-Methyl-2-pentanone
Concen: 101.911 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Tgt Ion: 43 Resp: 733458
Ion Ratio Lower Upper
43 100
58 39.4 31.6 47.4
100 14.9 12.0 18.0





#42

Toluene

Concen: 49.438 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

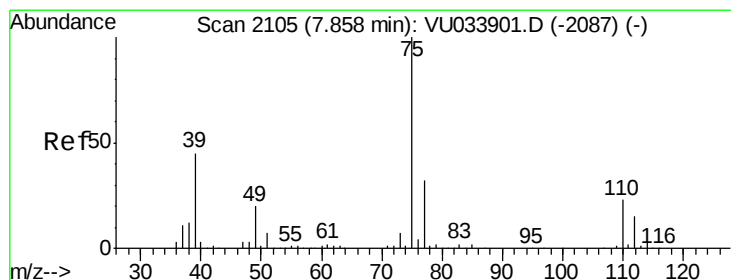
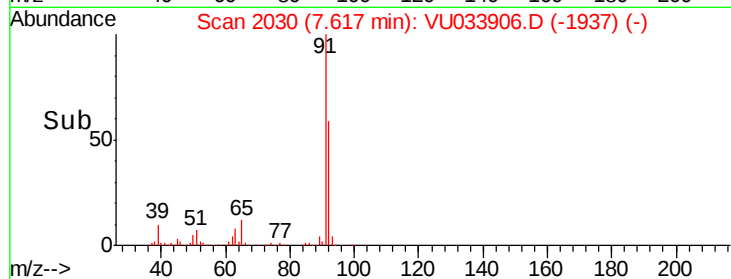
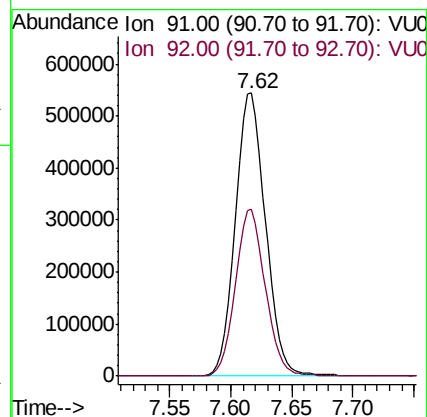
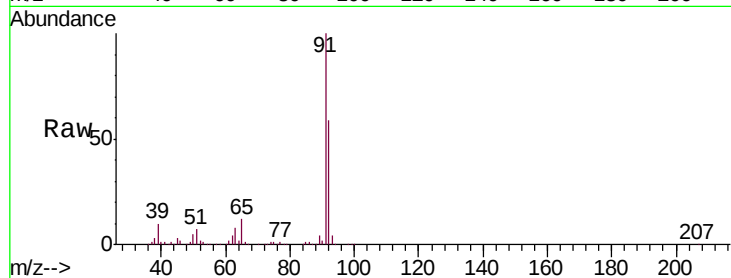
VICV35

Tgt Ion: 91 Resp: 939649

Ion Ratio Lower Upper

91 100

92 58.7 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 49.942 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033906.D

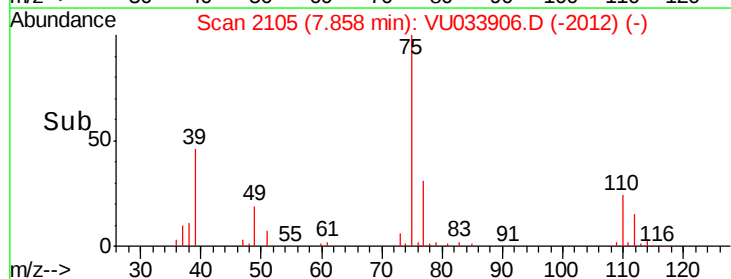
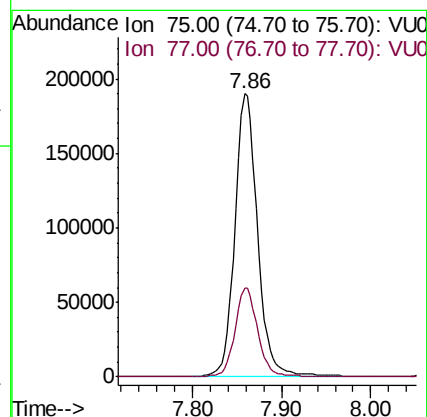
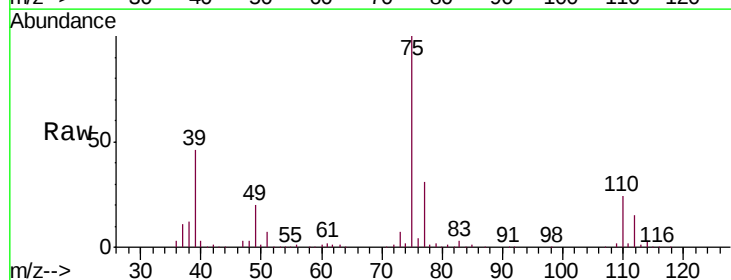
Acq: 22 Aug 2019 17:34

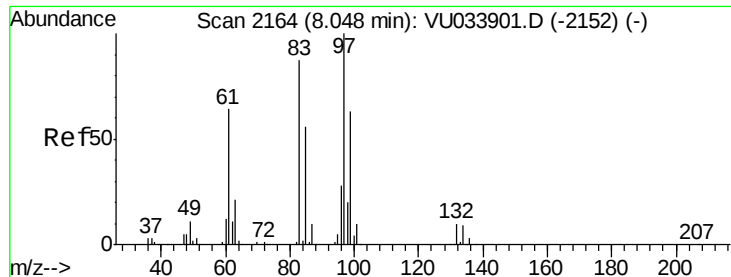
Tgt Ion: 75 Resp: 336134

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.3

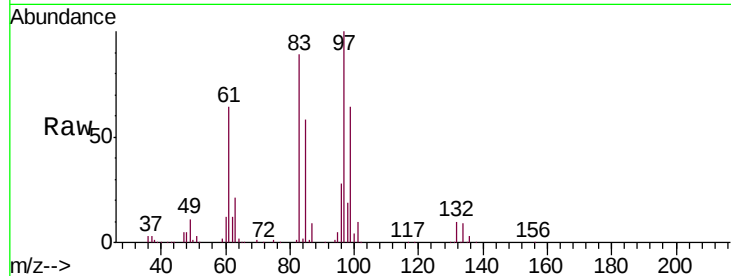




#45
 1,1,2-Trichloroethane
 Concen: 48.164 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Tgt Ion:	97	Resp:	222058
Ion	Ratio	Lower	Upper
97	100		
99	64.4	44.2	82.2
83	88.6	61.2	113.6
85	58.0	39.0	72.4



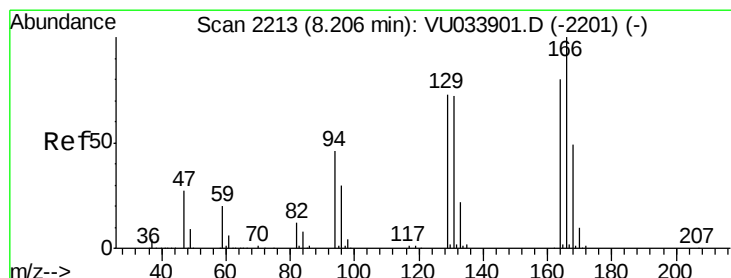
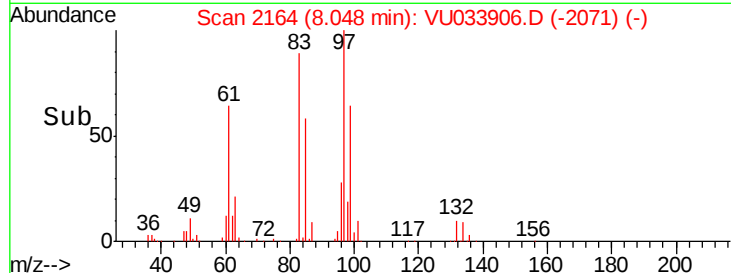
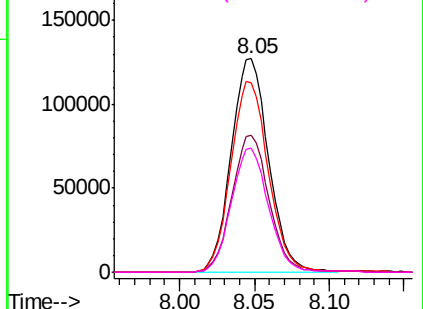
Abundance

Ion 97.00 (96.70 to 97.70): VU033906.D (-2164) (-)

Ion 99.00 (98.70 to 99.70): VU033906.D (-2164) (-)

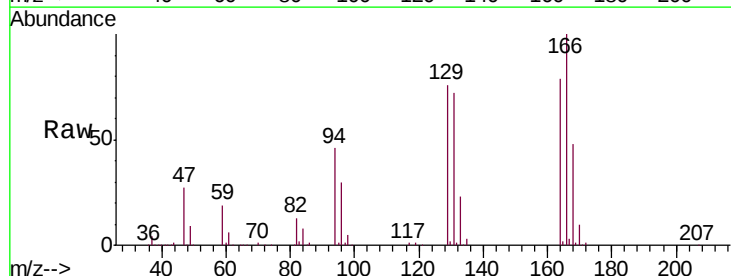
Ion 83.00 (82.70 to 83.70): VU033906.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VU033906.D (-2164) (-)



#46
 Tetrachloroethene
 Concen: 46.844 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

Tgt Ion:	164	Resp:	173500
Ion	Ratio	Lower	Upper
164	100		
129	95.4	63.9	118.7
131	90.3	62.5	116.1
166	125.9	87.3	162.1



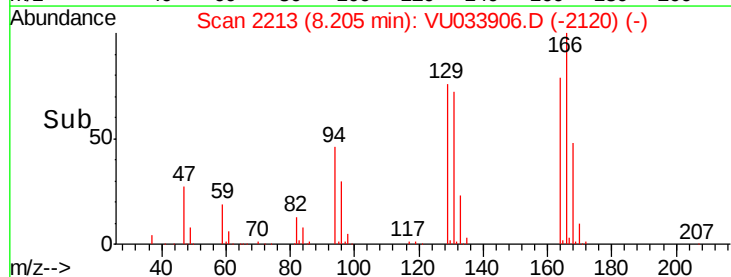
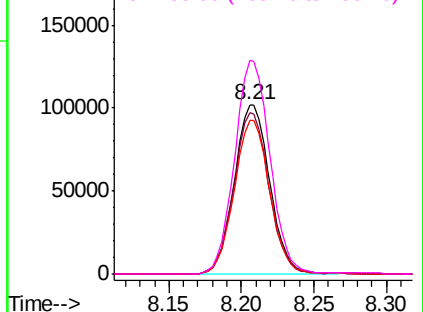
Abundance

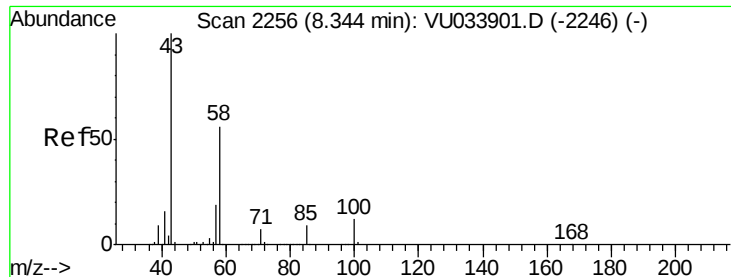
Ion 164.00 (163.70 to 164.70): VU033906.D (-2213) (-)

Ion 129.00 (128.70 to 129.70): VU033906.D (-2213) (-)

Ion 131.00 (130.70 to 131.70): VU033906.D (-2213) (-)

Ion 166.00 (165.70 to 166.70): VU033906.D (-2213) (-)

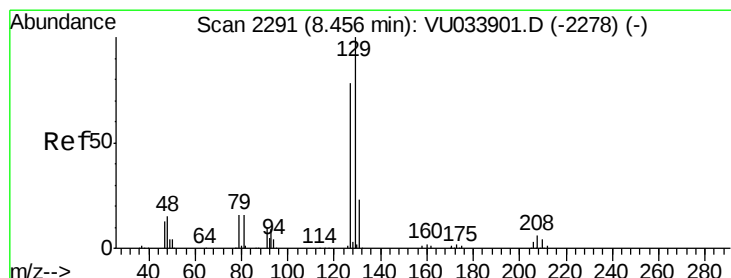
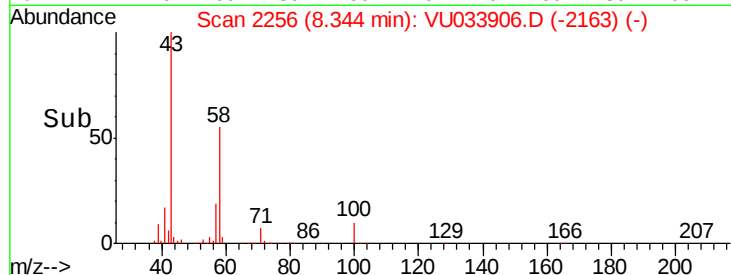
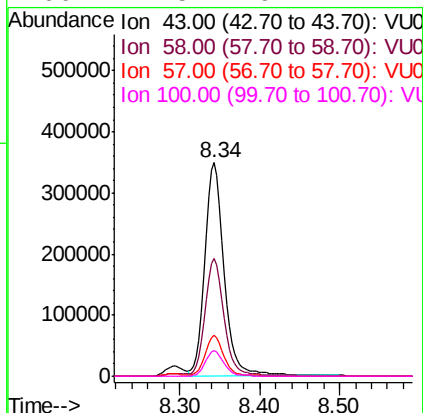
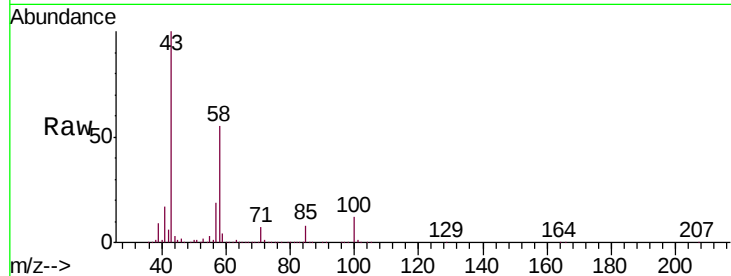




#48
2-Hexanone
Concen: 105.316 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

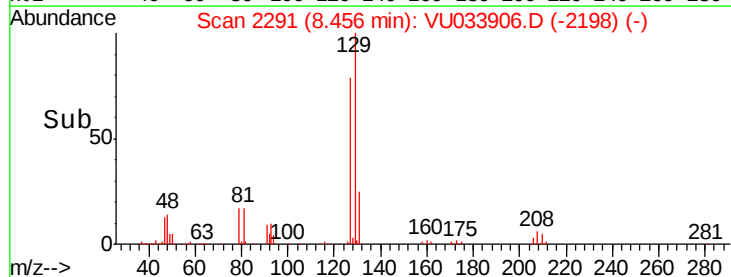
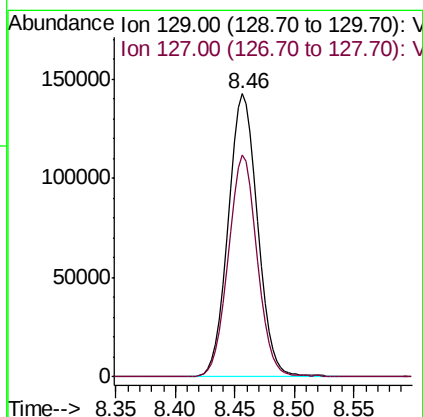
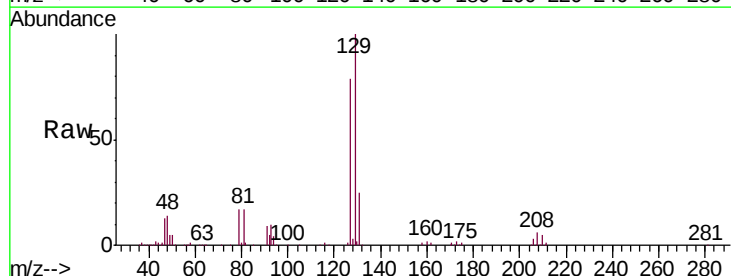
Instrument :
MSVOA_U
ClientSampled :
VICV35

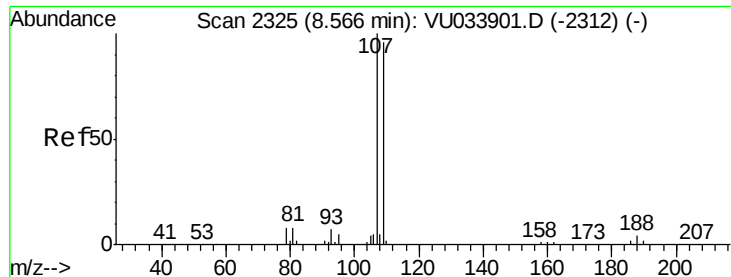
Tgt Ion: 43 Resp: 588561
Ion Ratio Lower Upper
43 100
58 54.7 44.3 66.5
57 18.4 15.3 22.9
100 11.5 9.4 14.2



#49
Dibromochloromethane
Concen: 47.763 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Tgt Ion: 129 Resp: 244288
Ion Ratio Lower Upper
129 100
127 78.6 54.5 101.3

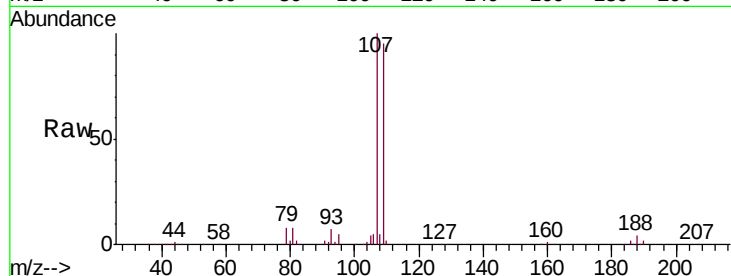




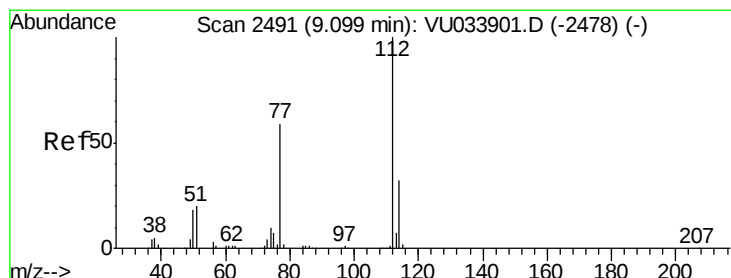
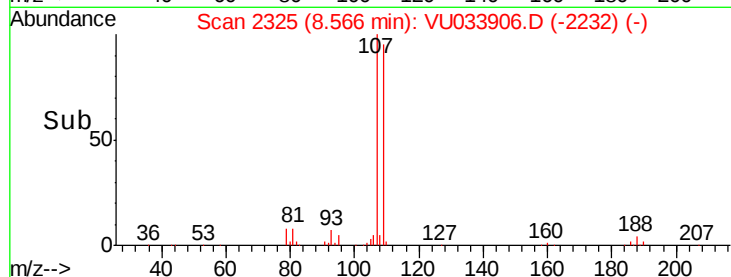
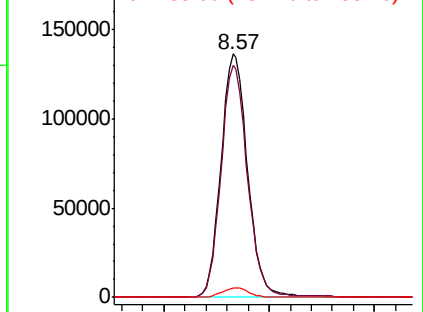
#50
1,2-Dibromoethane
Concen: 48.581 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Instrument :
MSVOA_U
ClientSampleId :
VICV35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.9	124.3
188	3.8	3.0	4.4

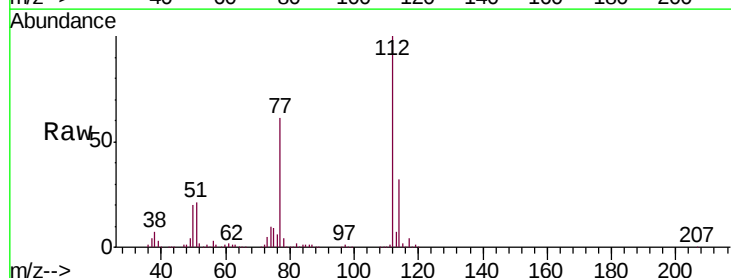


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

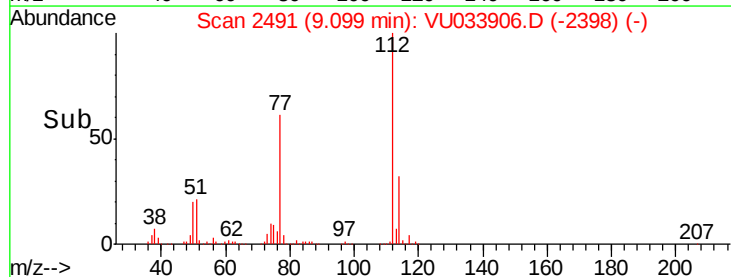
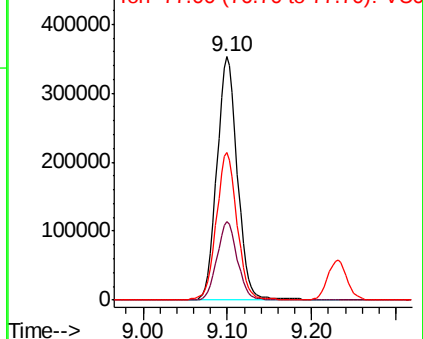


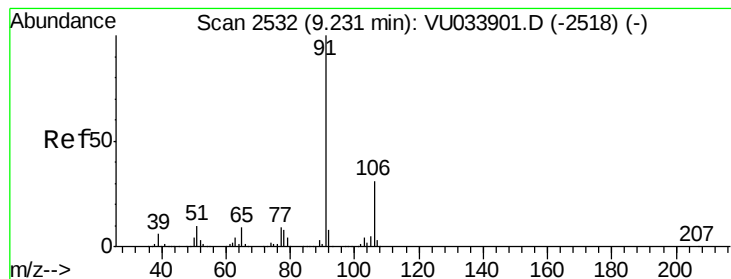
#51
Chlorobenzene
Concen: 47.323 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033906.D
Acq: 22 Aug 2019 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.5	41.7
77	60.7	47.3	70.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 50.046 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

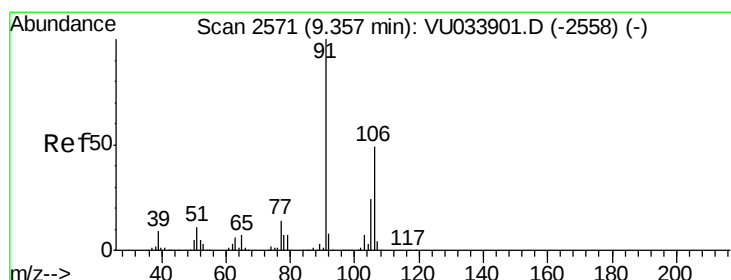
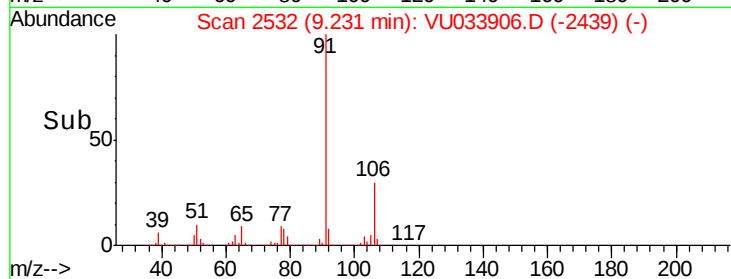
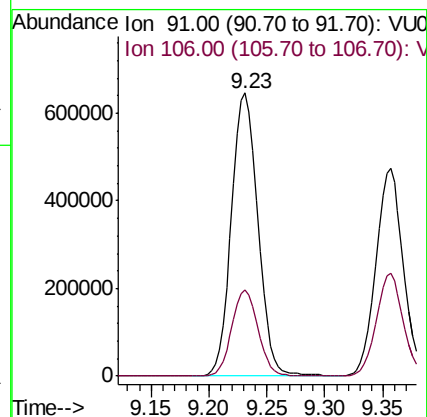
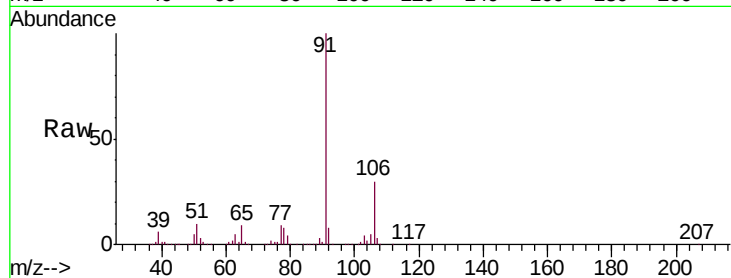
VICV35

Tgt Ion: 91 Resp: 1027428

Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8



#53

m,p-Xylene

Concen: 49.974 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033906.D

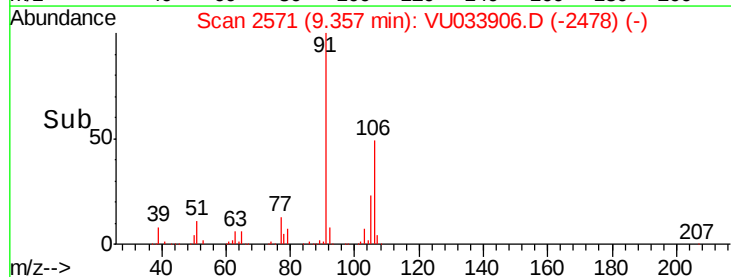
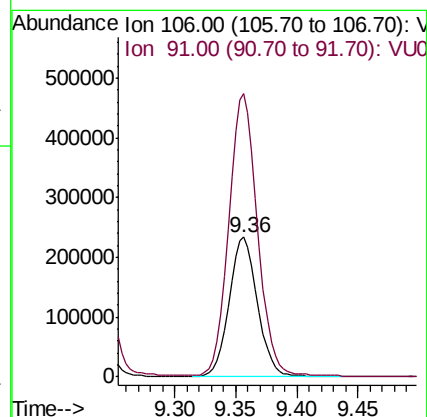
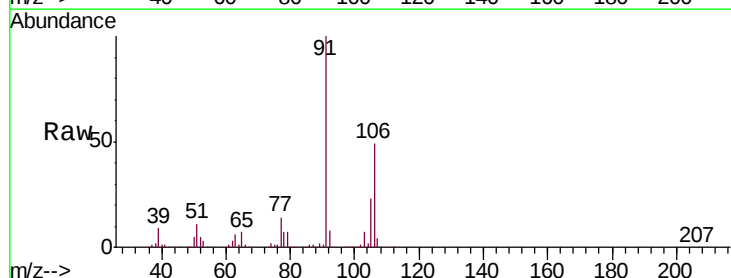
Acq: 22 Aug 2019 17:34

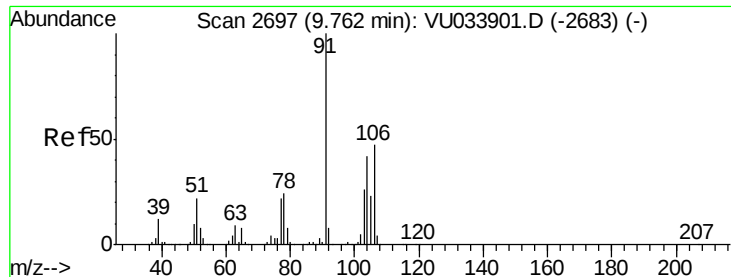
Tgt Ion: 106 Resp: 378069

Ion Ratio Lower Upper

106 100

91 203.1 142.2 264.0





#54

o-xylene

Concen: 50.499 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

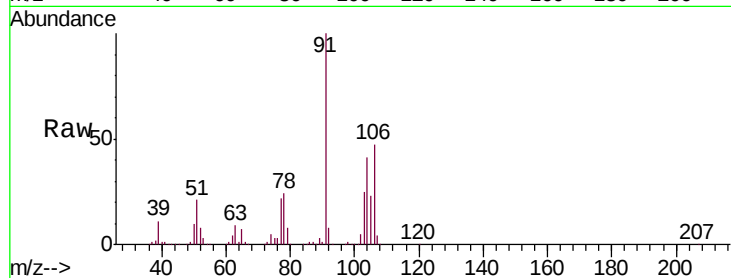
VICV35

Tgt Ion:106 Resp: 376584

Ion Ratio Lower Upper

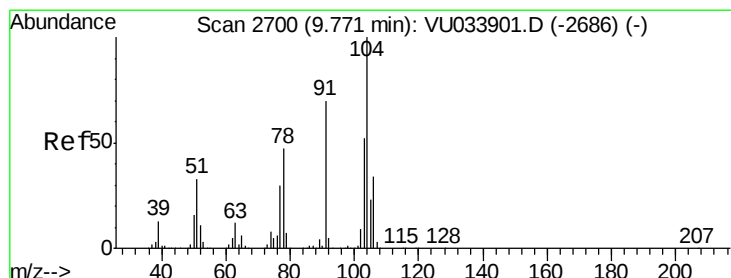
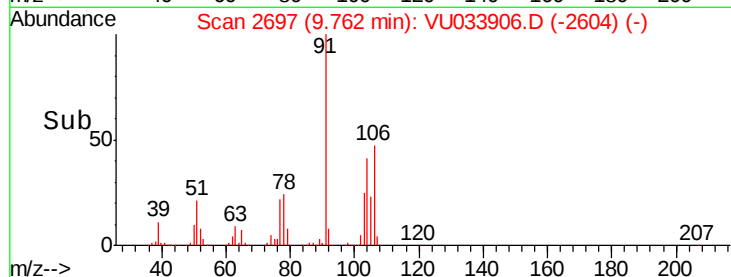
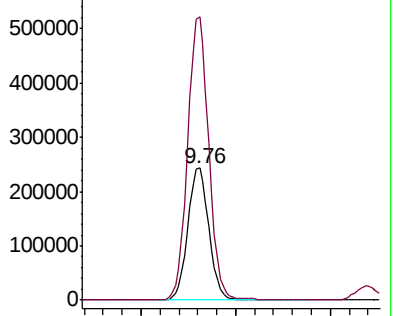
106 100

91 214.5 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.727 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033906.D

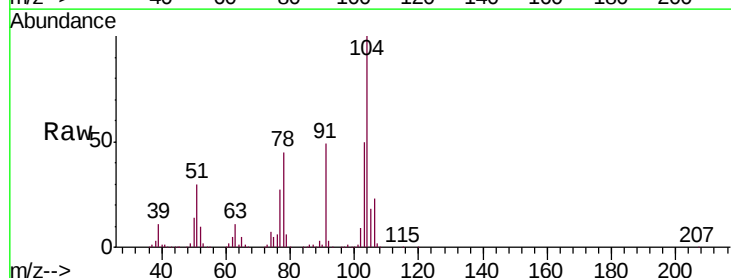
Acq: 22 Aug 2019 17:34

Tgt Ion:104 Resp: 656812

Ion Ratio Lower Upper

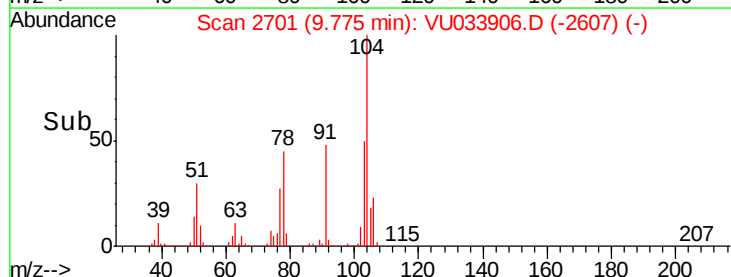
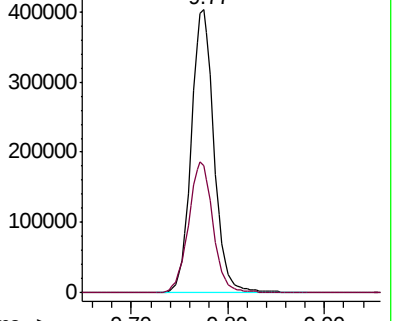
104 100

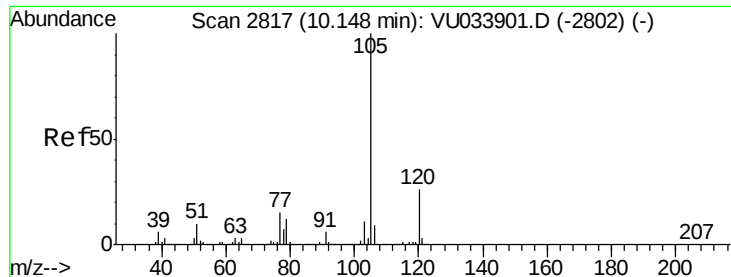
78 44.9 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.633 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

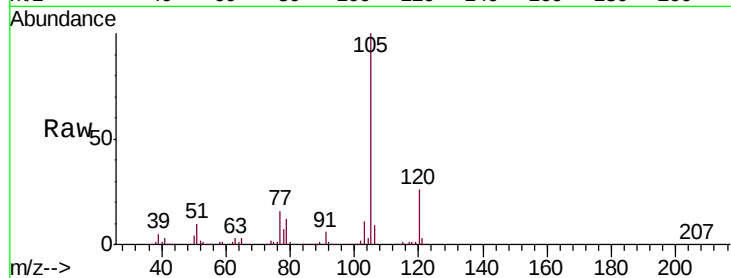
Tgt Ion:105 Resp: 981169

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

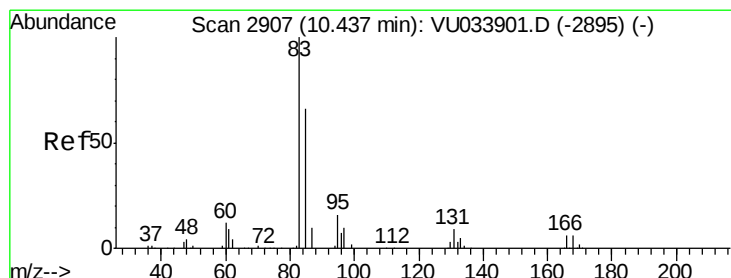
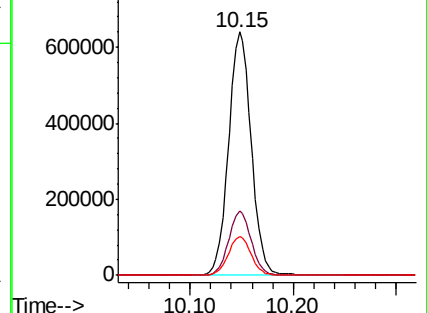
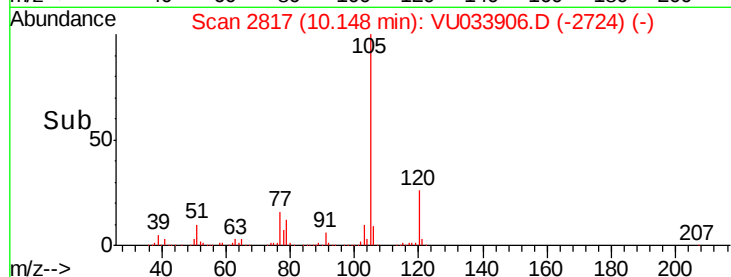
77 16.2 12.6 18.8



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: 48.597 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

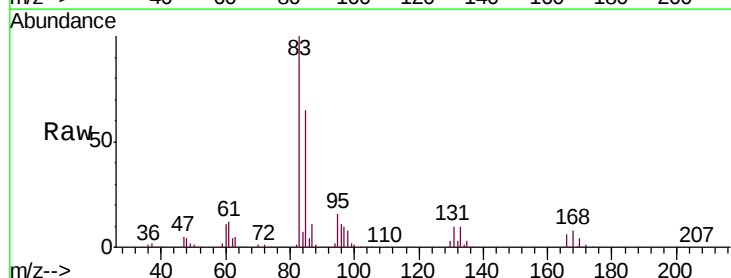
Tgt Ion: 83 Resp: 388334

Ion Ratio Lower Upper

83 100

85 64.8 46.3 85.9

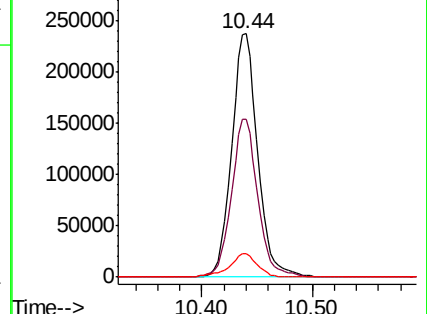
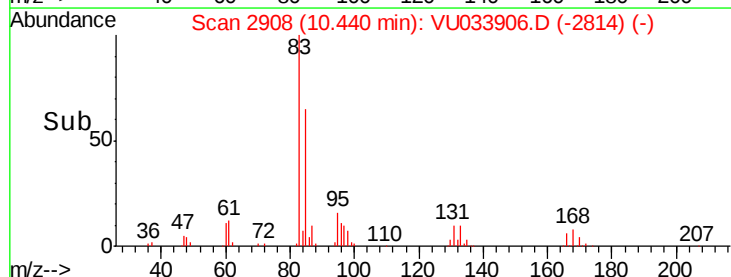
131 9.6 7.9 11.9

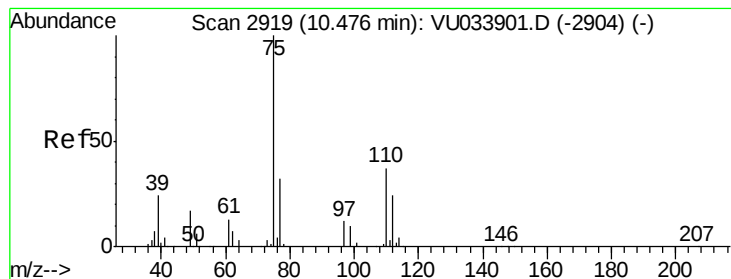


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.810 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

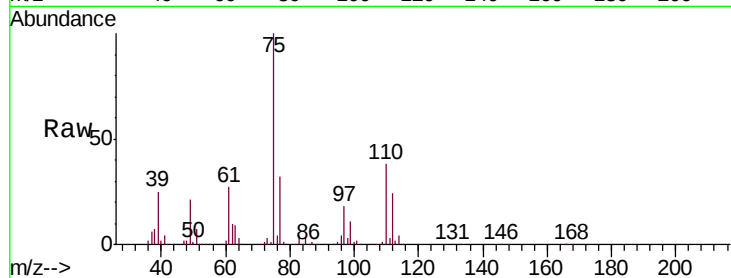
VICV35

Tgt Ion: 75 Resp: 307038

Ion Ratio Lower Upper

75 100

77 32.1 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

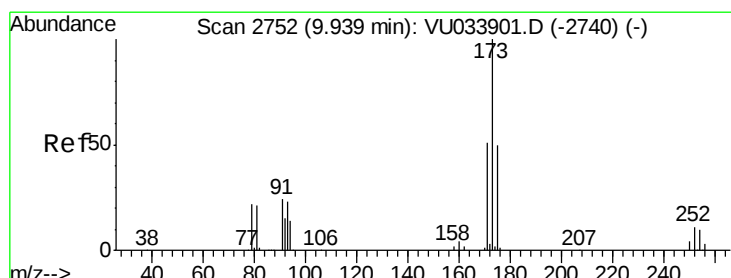
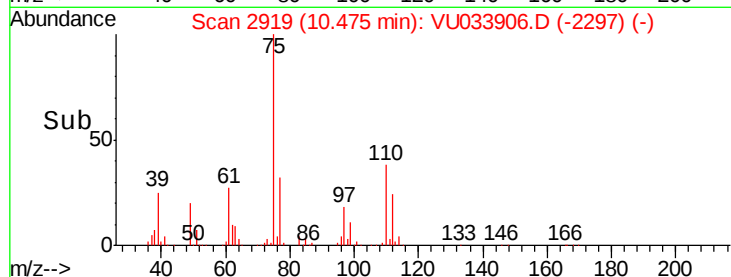
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 48.508 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

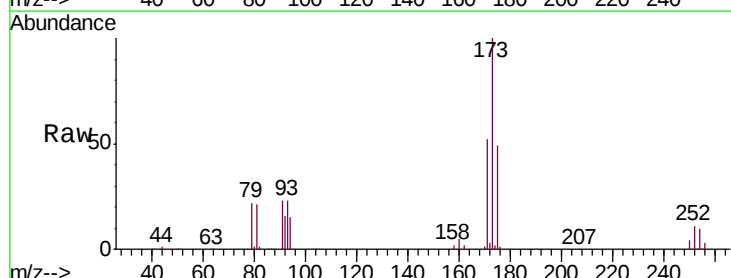
Tgt Ion: 173 Resp: 186858

Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

254 10.4 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

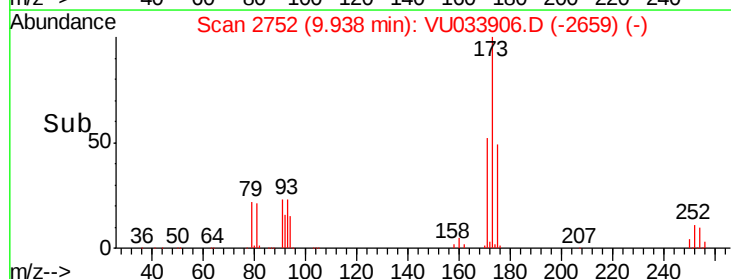
150000

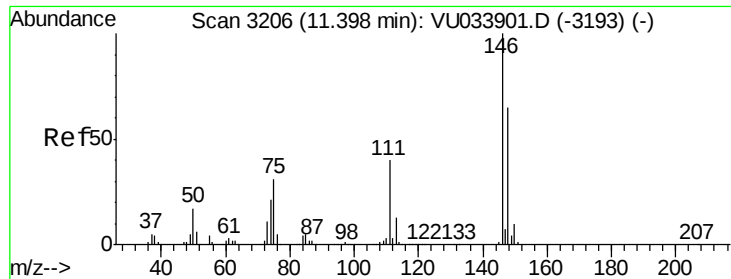
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 48.166 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

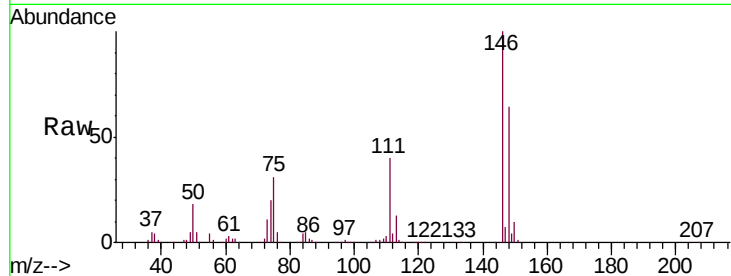
Tgt Ion:146 Resp: 462019

Ion Ratio Lower Upper

146 100

111 40.1 27.8 51.6

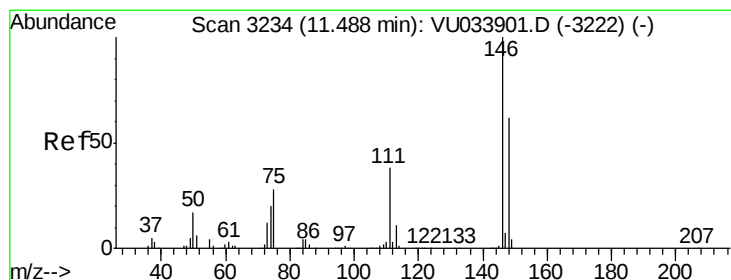
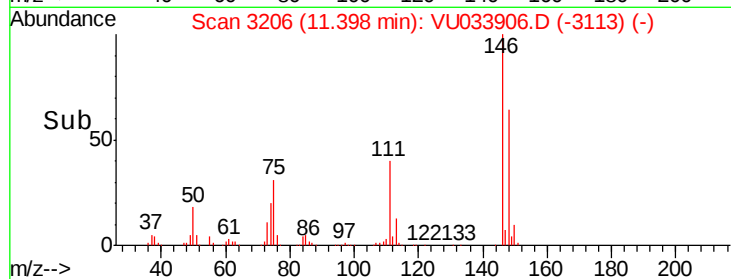
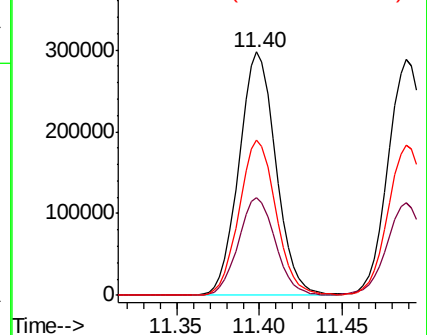
148 63.6 45.1 83.9



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: 46.732 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

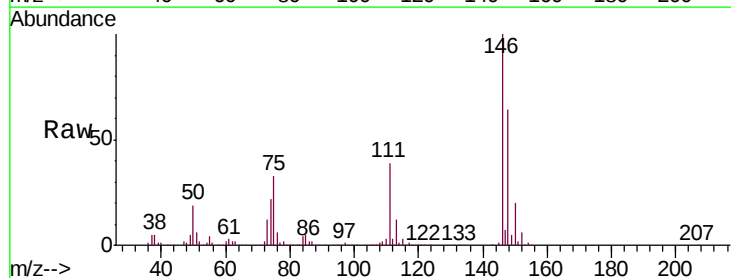
Tgt Ion:146 Resp: 464492

Ion Ratio Lower Upper

146 100

111 39.2 26.7 49.5

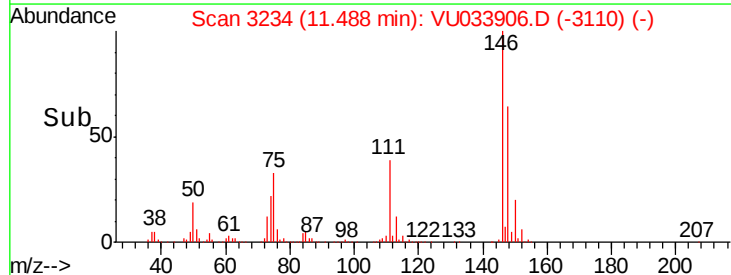
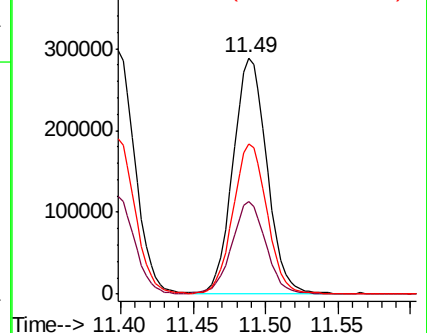
148 63.8 43.5 80.9

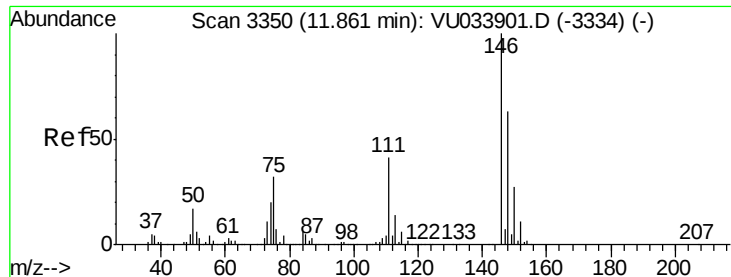


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

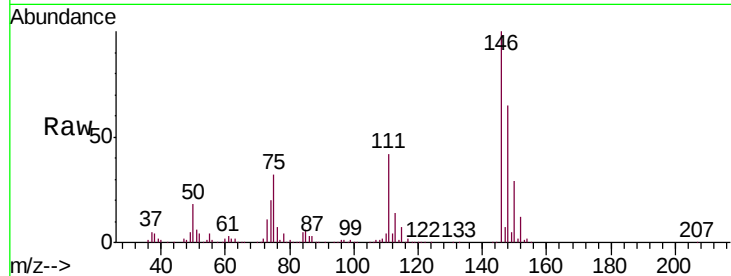




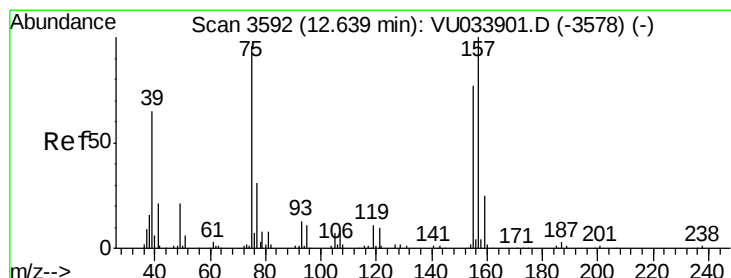
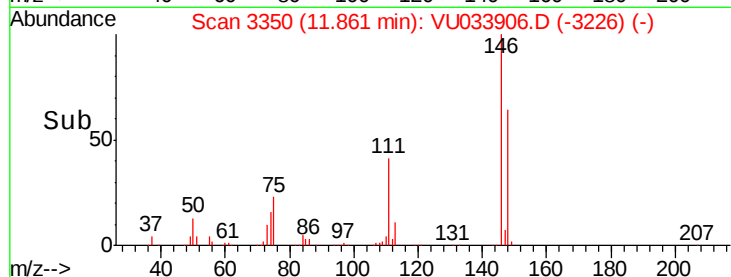
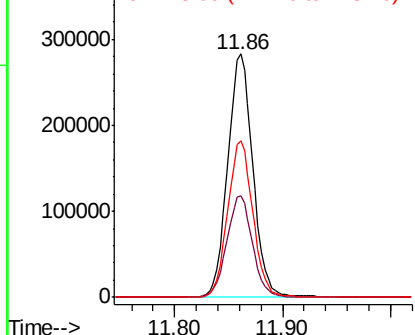
#65
 1,2-Dichlorobenzene
 Concen: 48.082 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Tgt Ion: 146 Resp: 460144
 Ion Ratio Lower Upper
 146 100
 111 41.8 33.1 49.7
 148 64.5 50.8 76.2

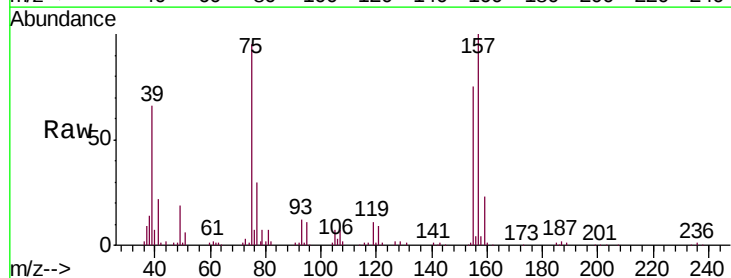


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

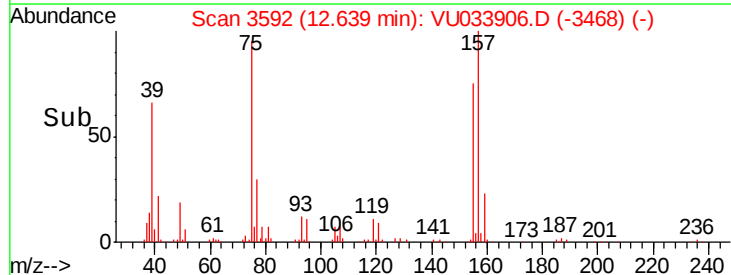
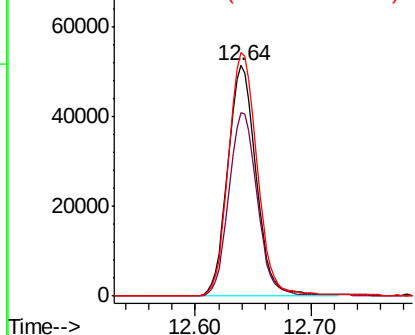


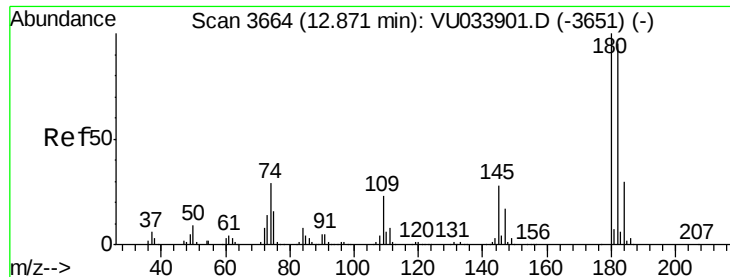
#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.652 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

Tgt Ion: 75 Resp: 87144
 Ion Ratio Lower Upper
 75 100
 155 79.6 64.3 96.5
 157 105.8 83.4 125.2



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

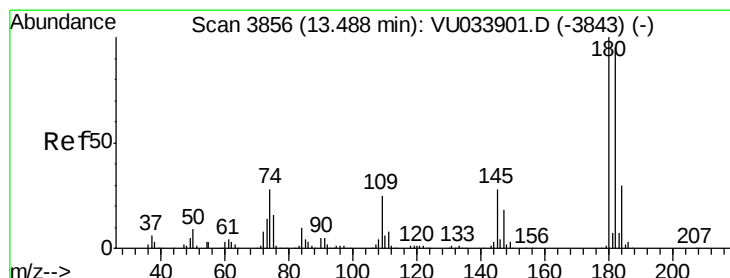
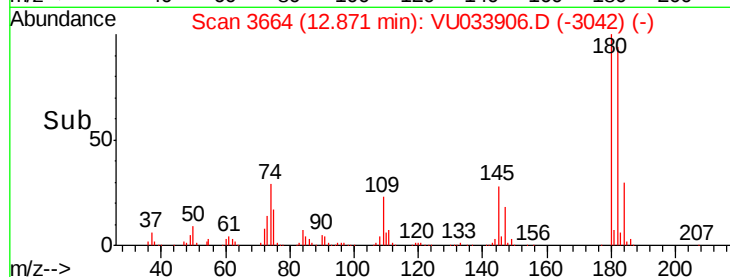
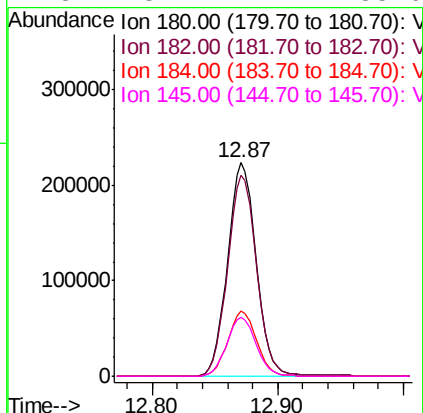
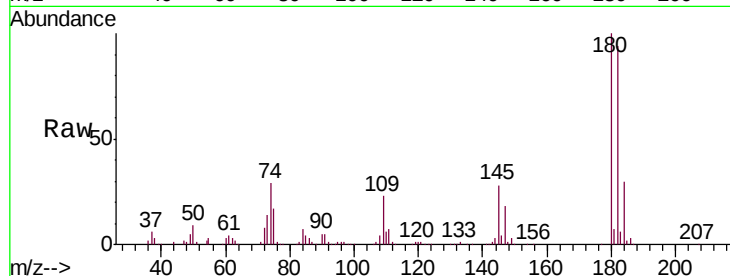




#67
 1,3,5-Trichlorobenzene
 Concen: 48.012 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

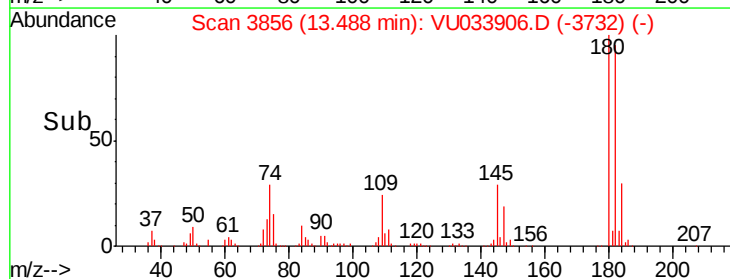
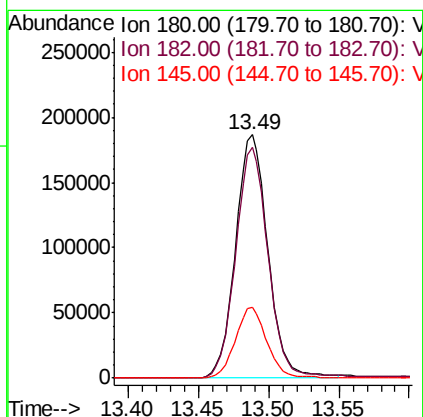
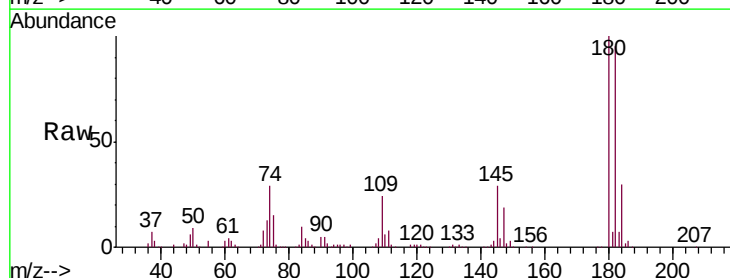
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

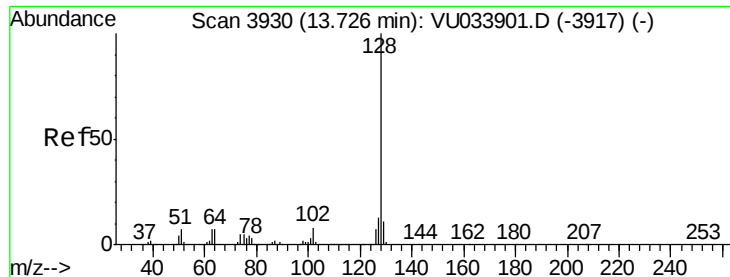
Tgt Ion:	180	Resp:	354001
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.4	114.6
184	30.6	24.1	36.1
145	28.2	22.4	33.6



#68
 1,2,4-trichlorobenzene
 Concen: 49.814 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033906.D
 Acq: 22 Aug 2019 17:34

Tgt Ion:	180	Resp:	301154
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	28.4	22.8	34.2





#69

Naphthalene

Concen: 52.349 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

Instrument :

MSVOA_U

ClientSampleId :

VICV35

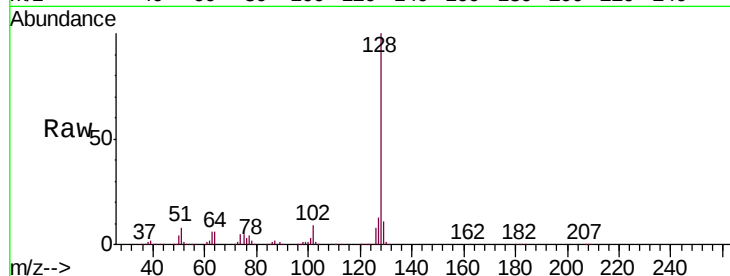
Tgt Ion:128 Resp: 944913

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

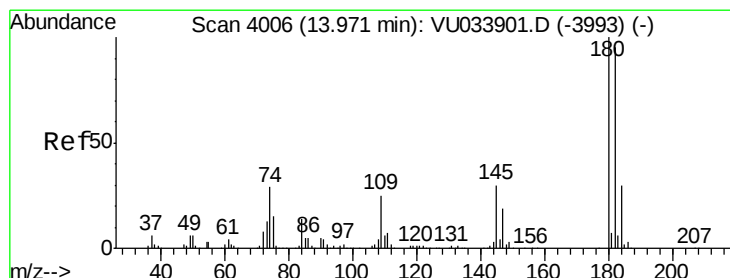
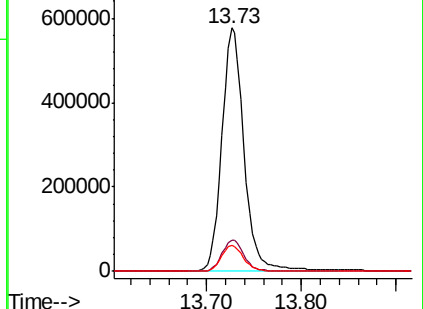
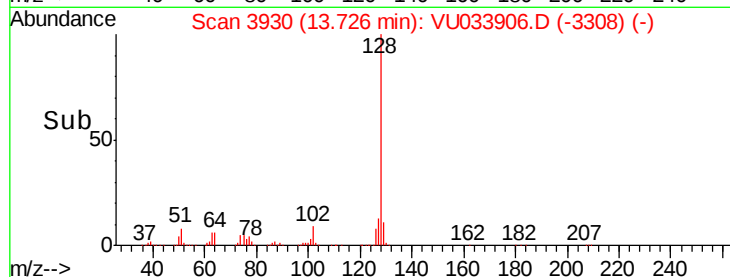
129 10.8 8.3 12.5



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: 49.785 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. -0.00 min

Lab File: VU033906.D

Acq: 22 Aug 2019 17:34

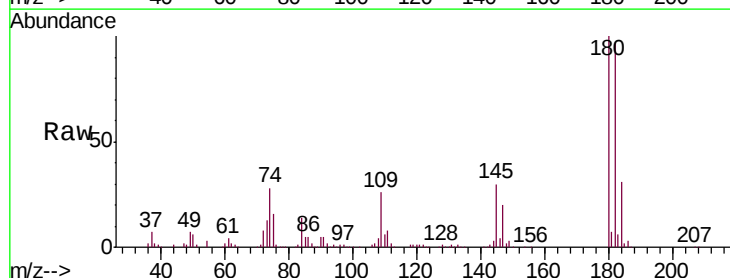
Tgt Ion:180 Resp: 318078

Ion Ratio Lower Upper

180 100

182 97.4 76.7 115.1

145 30.5 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

