

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037963.D
 Acq On : 30 Apr 2020 20:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 06:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	685394	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	677010	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	321223	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	254026	42.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.28%
7) Chloroethane-d5	1.93	69	222292	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.66%
11) 1,1-Dichloroethene-d2	2.59	63	432444	43.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.70%
21) 2-Butanone-d5	4.66	46	464299	98.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	5.10	84	445972	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.74	65	300103	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
32) Benzene-d6	5.76	84	897165	44.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.92%
36) 1,2-Dichloropropane-d6	6.72	67	302505	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.44%
41) Toluene-d8	7.92	98	812320	44.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.76%
43) trans-1,3-Dichloropropene-	8.20	79	147403	47.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.02%
47) 2-Hexanone-d5	8.65	63	300201	104.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.33%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	446427	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	12.20	152	297418	44.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	240029	45.012	ug/L 98
3) Chloromethane	1.53	50	323919	47.930	ug/L 99
5) Vinyl chloride	1.62	62	325907	47.460	ug/L 100
6) Bromomethane	1.86	94	152545	46.639	ug/L 100
8) Chloroethane	1.95	64	200340	48.510	ug/L 100
9) Trichlorofluoromethane	2.15	101	327192	45.843	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	198228	45.191	ug/L 99
12) 1,1-Dichloroethene	2.60	96	207829	46.298	ug/L 90
13) Acetone	2.65	43	295152	97.252	ug/L 100
14) Carbon disulfide	2.82	76	676443	45.492	ug/L 99
15) Methyl Acetate	2.98	43	333206	50.425	ug/L 100
16) Methylene chloride	3.08	84	263060	49.715	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	230924	47.647	ug/L 100
18) Methyl tert-butyl Ether	3.40	73	816909	50.659	ug/L 100
19) 1,1-Dichloroethane	3.91	63	474393	49.137	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	267016	49.827	ug/L 99
22) 2-Butanone	4.74	43	494388	100.648	ug/L 98

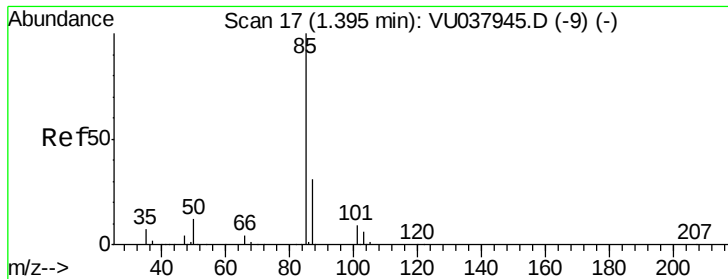
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043020\
 Data File : VU037963.D
 Acq On : 30 Apr 2020 20:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 01 06:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 02:16:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	126518	50.192	ug/L	98
25) Chloroform	5.12	83	446643	48.194	ug/L	98
27) 1,2-Dichloroethane	5.83	62	379136	49.474	ug/L	99
29) Cyclohexane	5.42	56	394683	44.616	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	353504	46.974	ug/L	99
31) Carbon tetrachloride	5.56	117	276457	46.537	ug/L	99
33) Benzene	5.81	78	1010271	47.735	ug/L	100
34) Trichloroethene	6.57	95	244001	47.544	ug/L	99
35) Methylcyclohexane	6.79	83	377168	43.751	ug/L	100
37) 1,2-Dichloropropane	6.82	63	280705	49.608	ug/L	100
38) Bromodichloromethane	7.13	83	337636	49.144	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	429219	49.485	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	927846	101.204	ug/L	99
42) Toluene	7.99	91	1059284	47.639	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	404873	49.997	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	256409	50.033	ug/L	99
46) Tetrachloroethene	8.57	164	159486	42.564	ug/L	98
48) 2-Hexanone	8.71	43	743073	98.350	ug/L	100
49) Dibromochloromethane	8.83	129	247359	50.048	ug/L	99
50) 1,2-Dibromoethane	8.94	107	268261	48.729	ug/L #	99
51) Chlorobenzene	9.47	112	660187	47.685	ug/L	100
52) Ethylbenzene	9.59	91	1160754	47.092	ug/L	100
53) m,p-Xylene	9.71	106	443411	47.379	ug/L	97
54) o-xylene	10.11	106	437894	47.523	ug/L	98
55) Styrene	10.13	104	758856	48.486	ug/L	98
56) Isopropylbenzene	10.50	105	1100434	46.382	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	456932	49.943	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	387008	49.328	ug/L	100
61) Bromoform	10.31	173	168336	49.010	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	482261	46.892	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	490091	47.161	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	490636	47.290	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	107235	49.518	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	326059	46.505	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	318106	47.334	ug/L	99
69) Naphthalene	14.11	128	1277749	49.557	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	322607	48.775	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.012 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

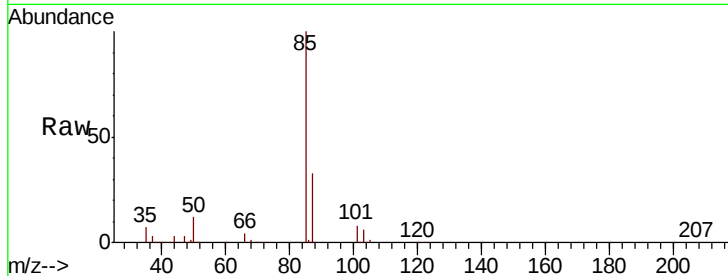
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 240029

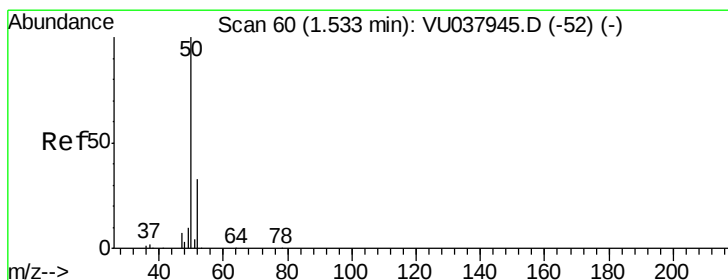
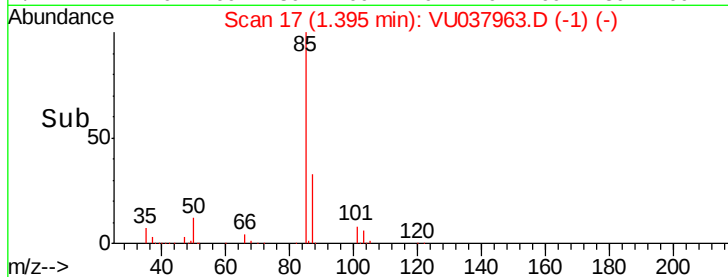
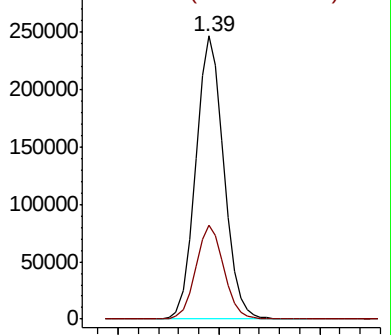
Ion Ratio Lower Upper

85 100

87 32.9 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU037945.D (-9) (-)



#3

Chloromethane

Concen: 47.930 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037963.D

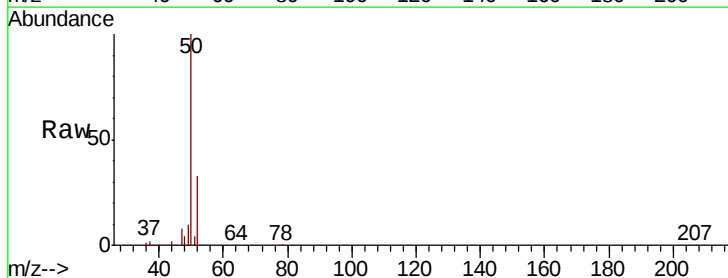
Acq: 30 Apr 2020 20:19

Tgt Ion: 50 Resp: 323919

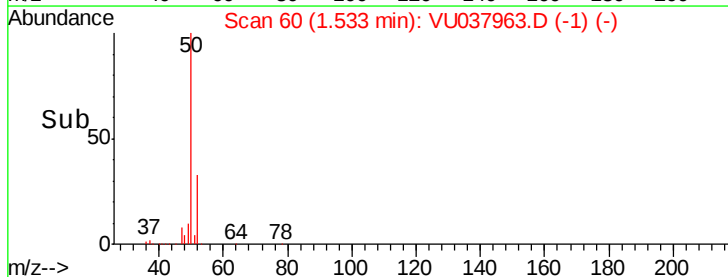
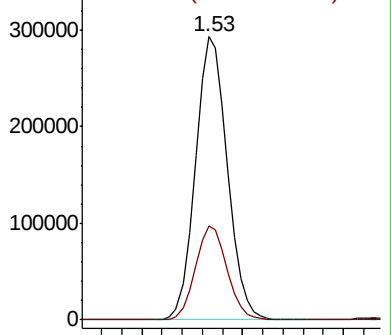
Ion Ratio Lower Upper

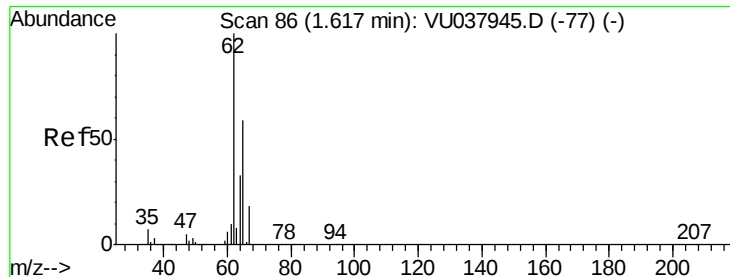
50 100

52 33.4 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU037945.D (-52) (-)





#5

Vinyl chloride

Concen: 47.460 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

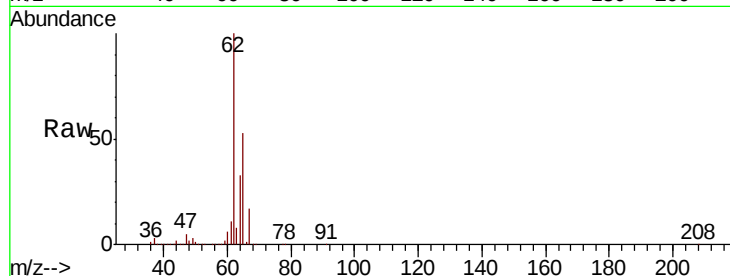
ClientSampleId :

Tot Ion: 62 Resp: 325907

Ion Ratio Lower Upper

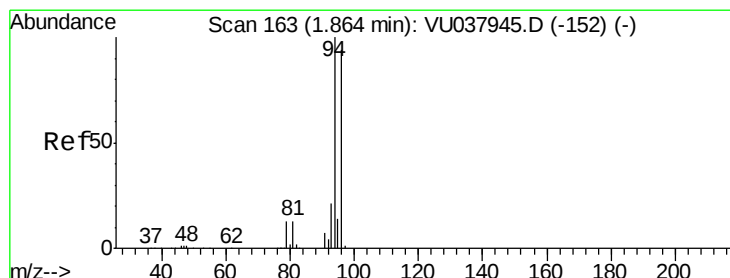
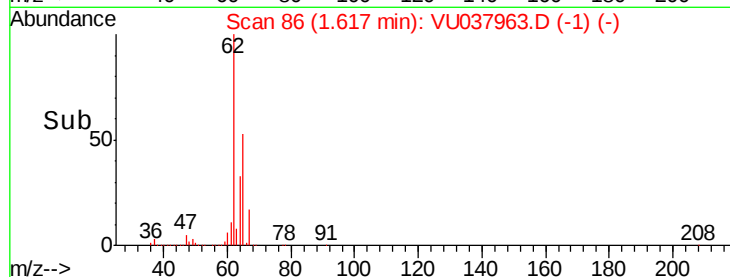
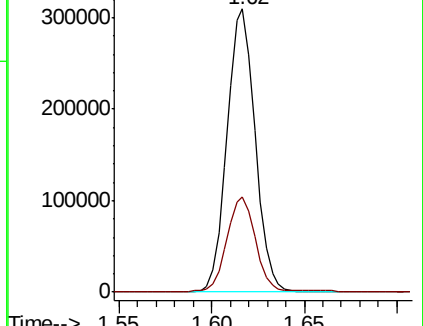
62 100

64 33.5 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VU037963.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037963.D (-77) (-)



#6

Bromomethane

Concen: 46.639 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU037963.D

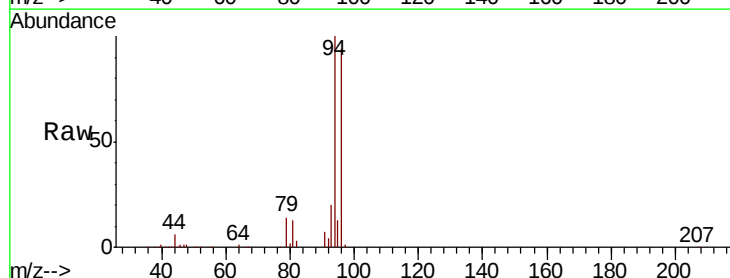
Acq: 30 Apr 2020 20:19

Tgt Ion: 94 Resp: 152545

Ion Ratio Lower Upper

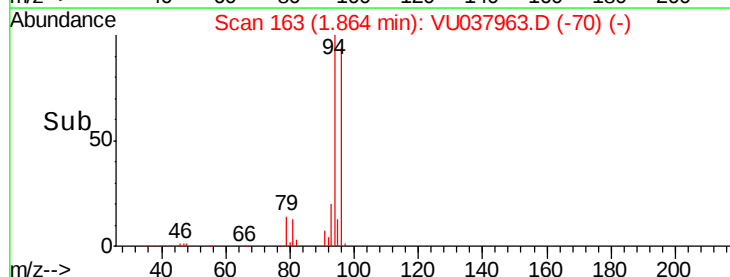
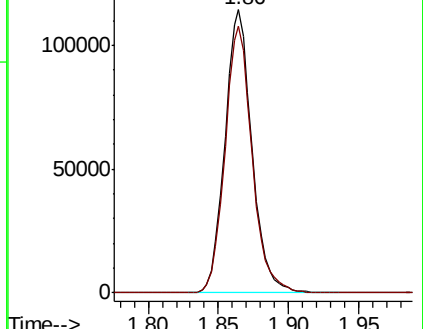
94 100

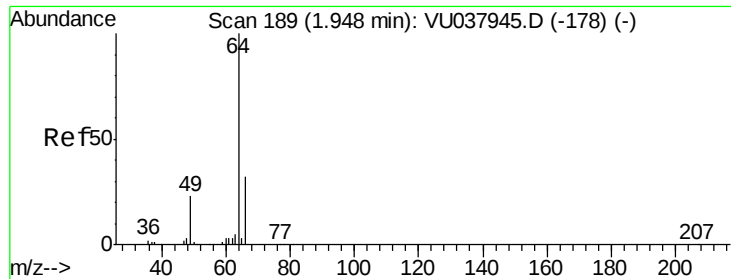
96 94.0 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU037963.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU037963.D (-152) (-)

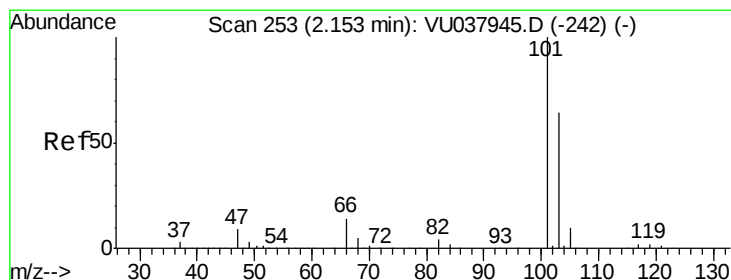
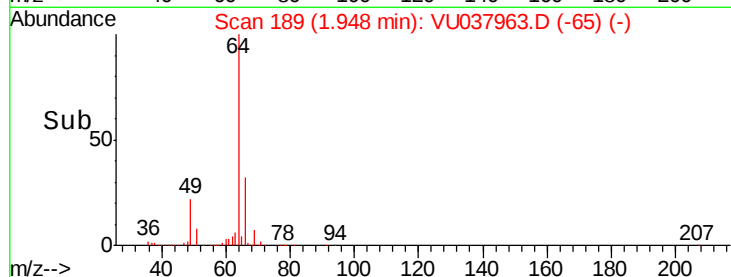
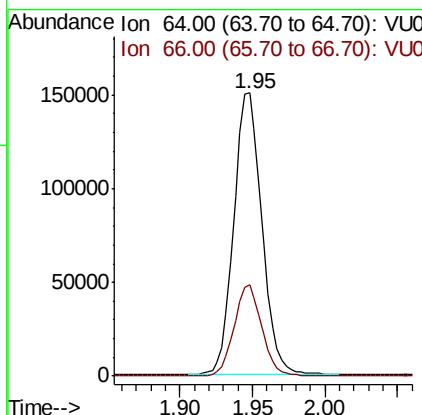
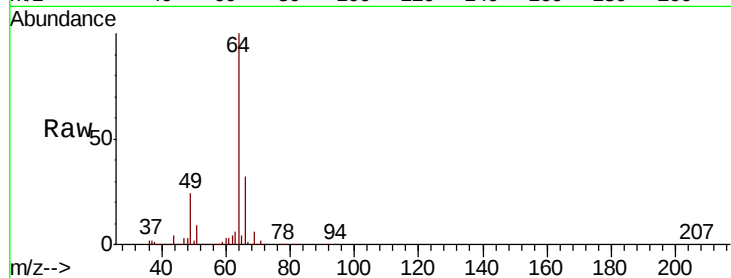




#8
Chloroethane
Concen: 48.510 ug/L
RT: 1.95 min Scan# 189
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

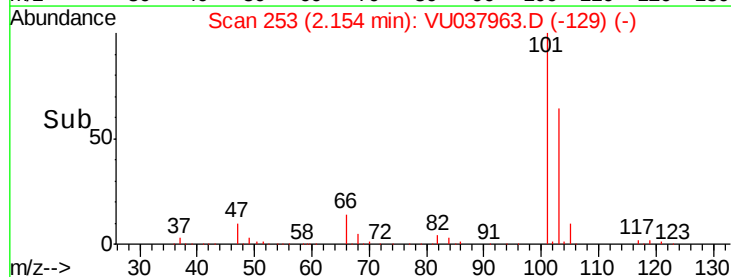
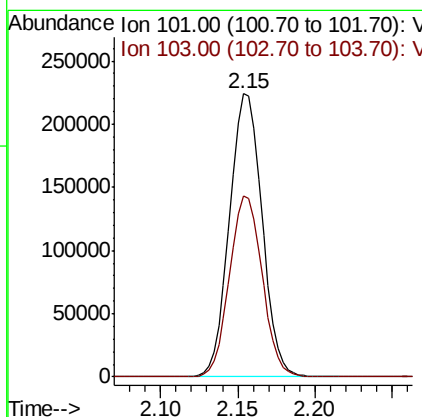
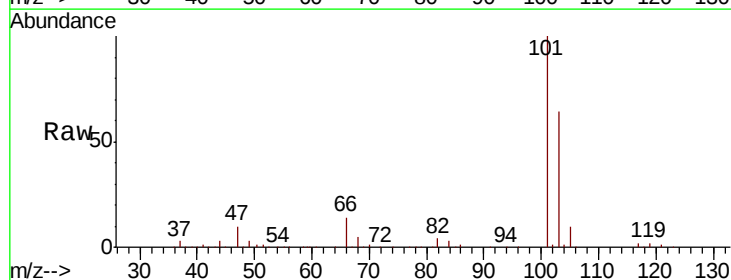
Instrument :
MSVOA_U
ClientSampleId :

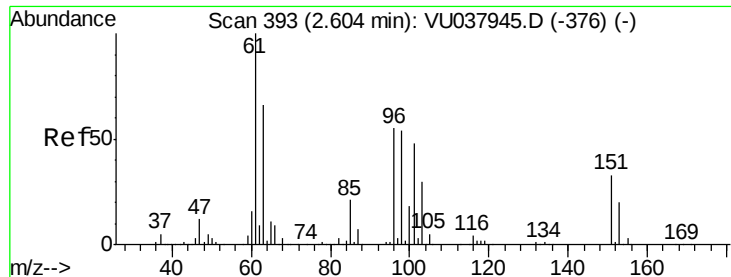
Tot Ion: 64 Resp: 200340
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 45.843 ug/L
RT: 2.15 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion:101 Resp: 327192
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.0





#10

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

Concen: 45.191 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

ClientSampled :

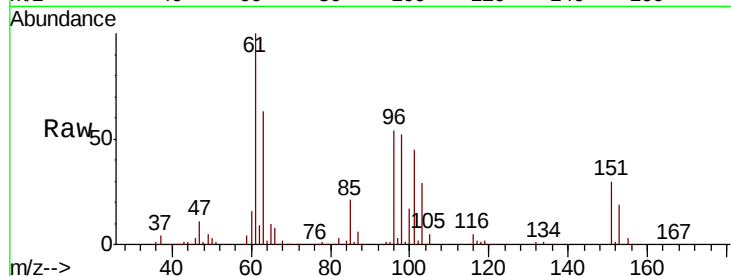
Tot Ion:101 Resp: 198228

Ion Ratio Lower Upper

101 100

85 44.9 34.7 52.1

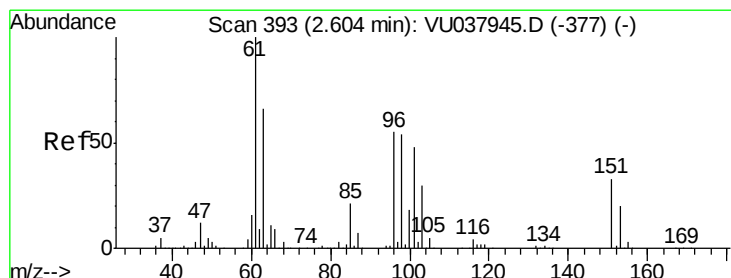
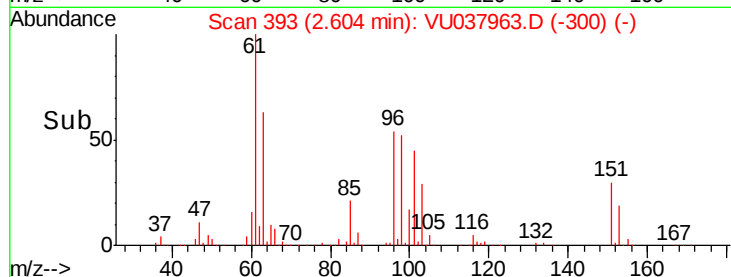
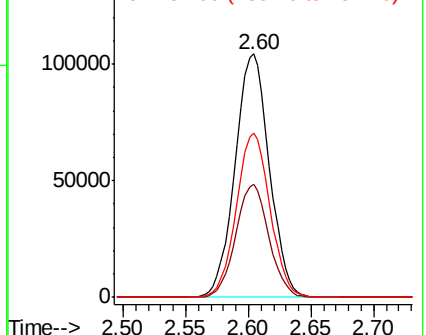
151 66.3 53.4 80.2



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: 46.298 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

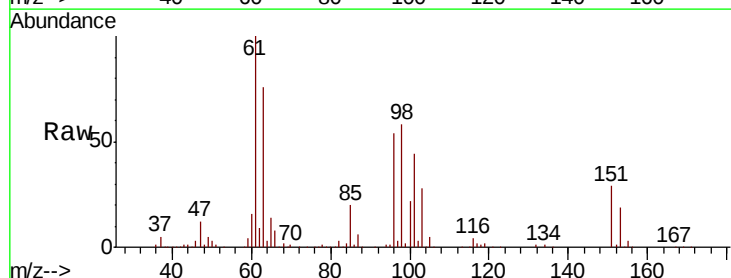
Tgt Ion: 96 Resp: 207829

Ion Ratio Lower Upper

96 100

61 185.1 126.1 234.3

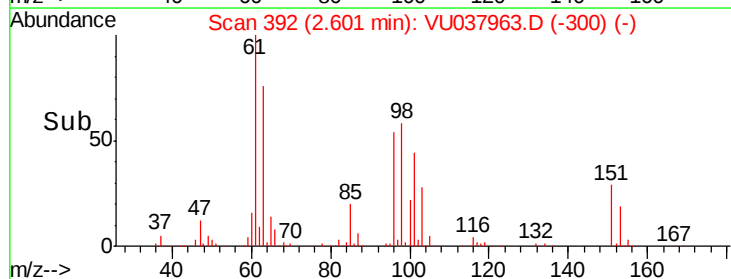
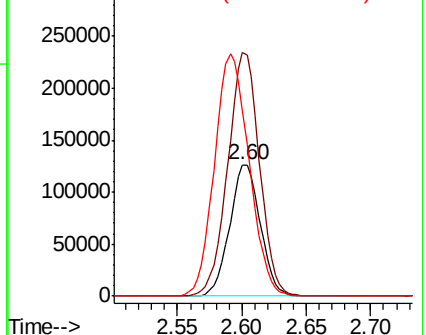
63 140.9 83.4 154.8

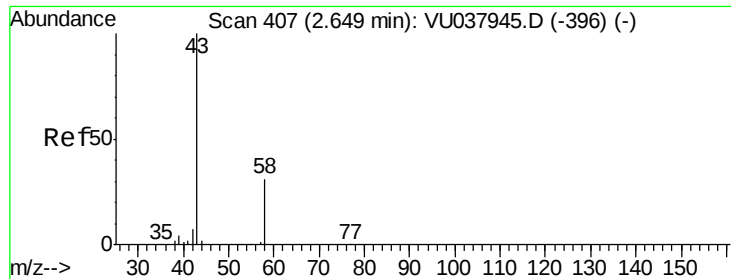


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.252 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

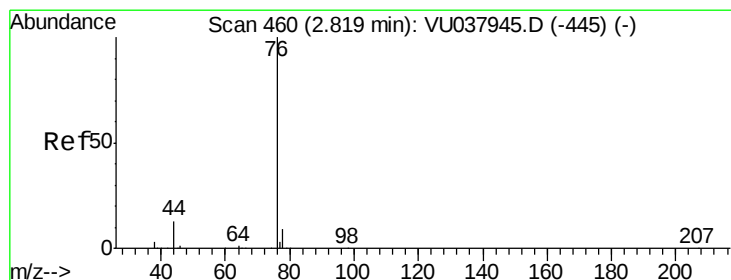
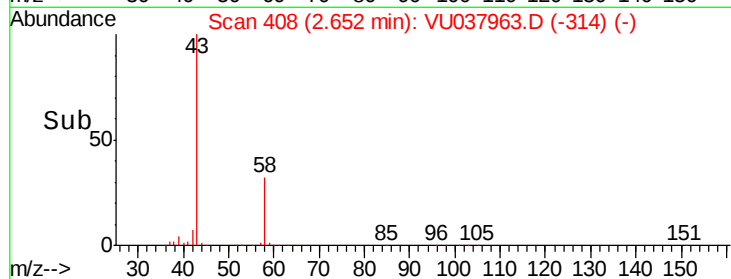
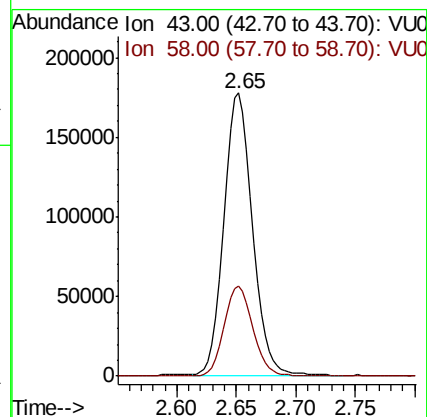
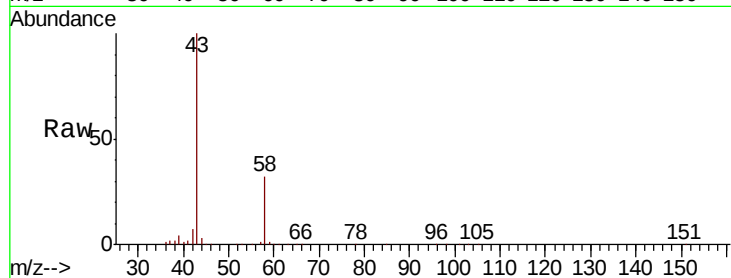
ClientSampleId :

Tot Ion: 43 Resp: 295152

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.4



#14

Carbon disulfide

Concen: 45.492 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037963.D

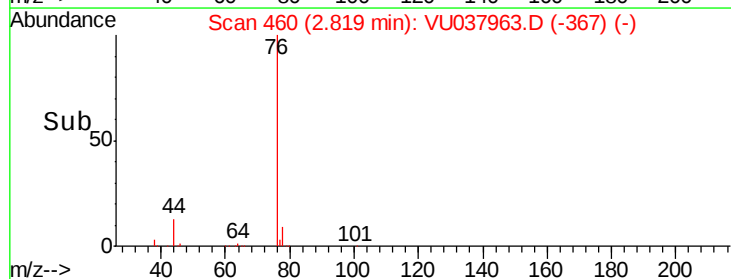
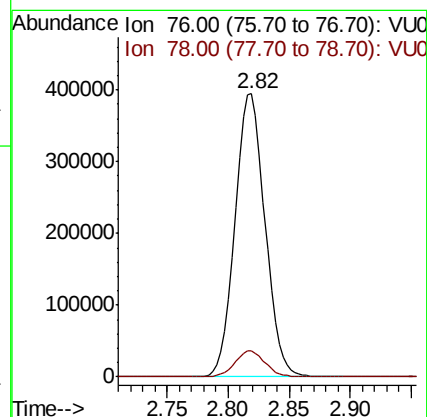
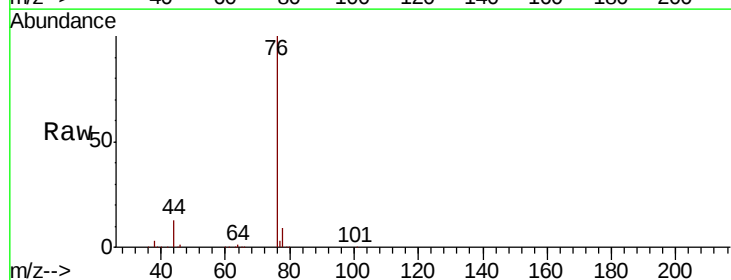
Acq: 30 Apr 2020 20:19

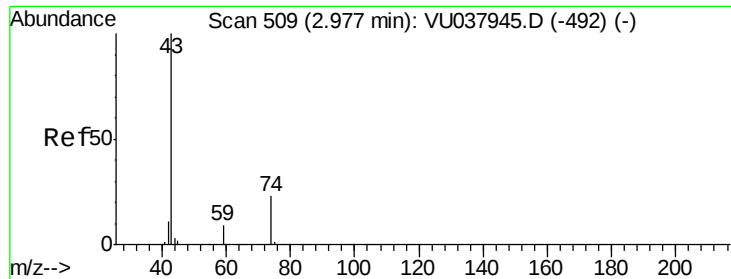
Tgt Ion: 76 Resp: 676443

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.4

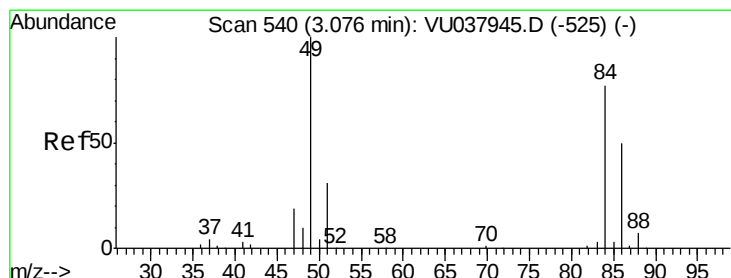
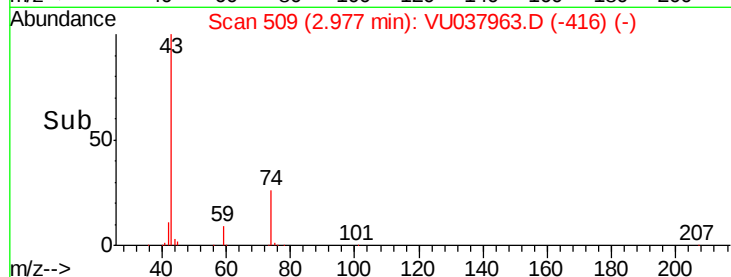
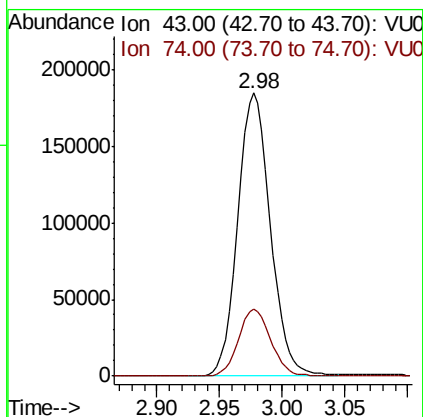
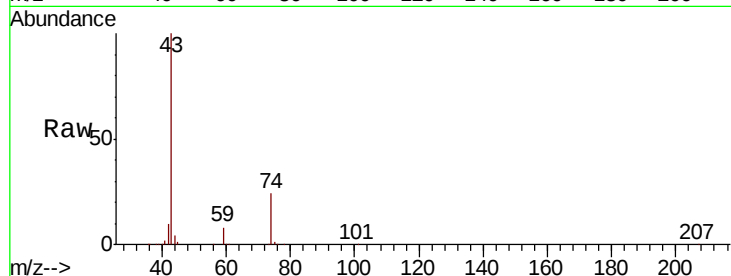




#15
Methvl Acetate
Concen: 50.425 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

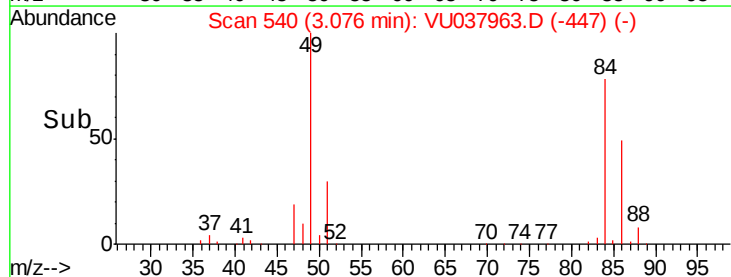
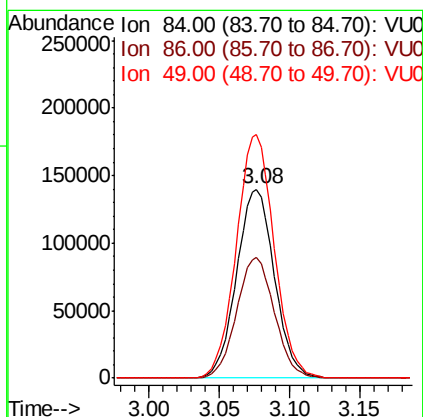
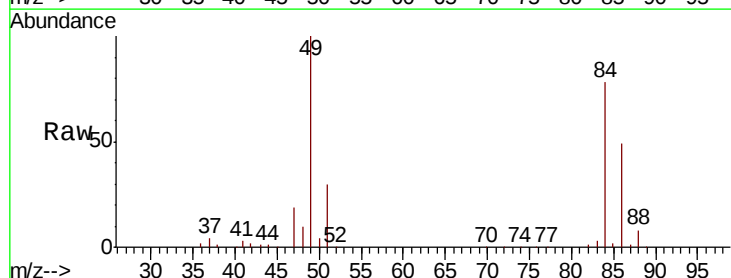
Instrument :
MSVOA_U
ClientSampleId :

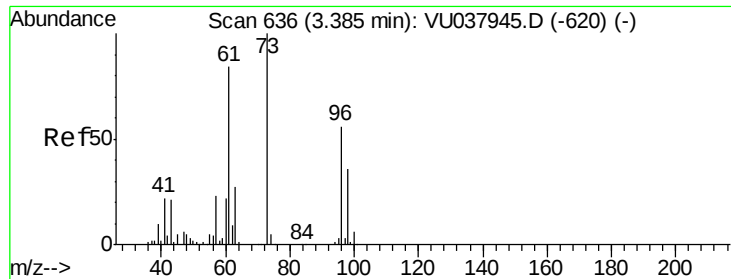
Tot Ion: 43 Resp: 333206
Ion Ratio Lower Upper
43 100
74 23.4 18.6 27.8



#16
Methylene chloride
Concen: 49.715 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion: 84 Resp: 263060
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.9
49 128.7 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 47.647 ug/L

RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :
MSVOA_U
ClientSampleId :

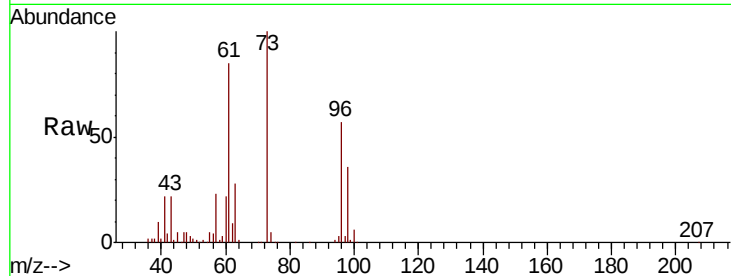
Tot Ion: 96 Resp: 230924

Ion Ratio Lower Upper

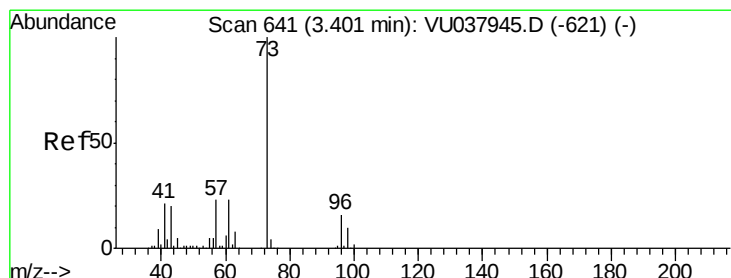
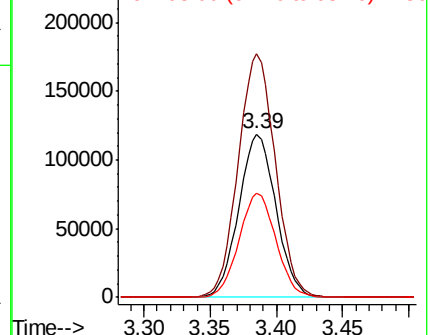
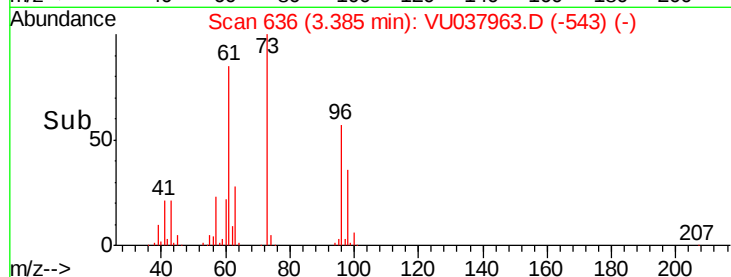
96 100

61 149.3 104.9 194.9

98 64.1 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 50.659 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

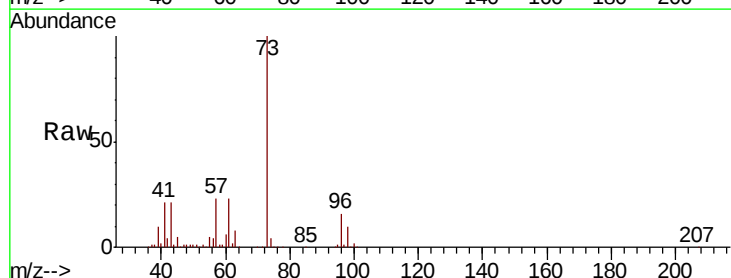
Tgt Ion: 73 Resp: 816909

Ion Ratio Lower Upper

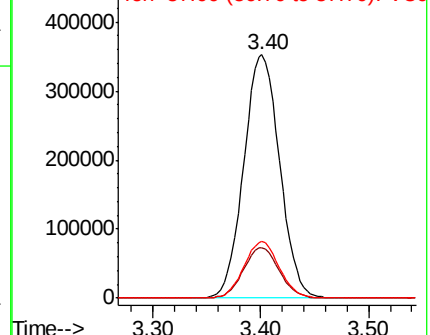
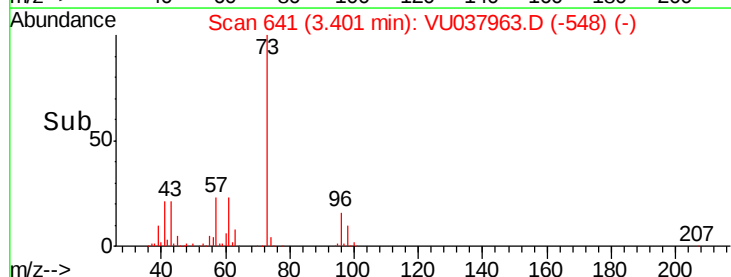
73 100

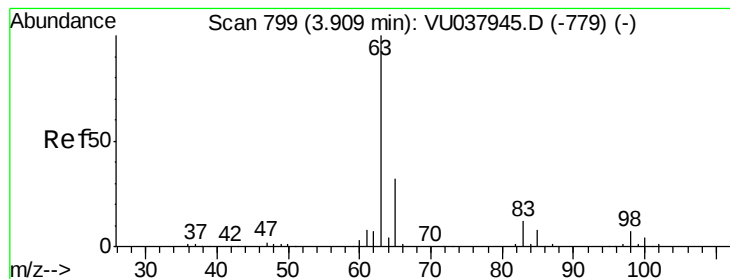
43 20.7 16.3 24.5

57 22.8 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 49.137 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

ClientSampled :

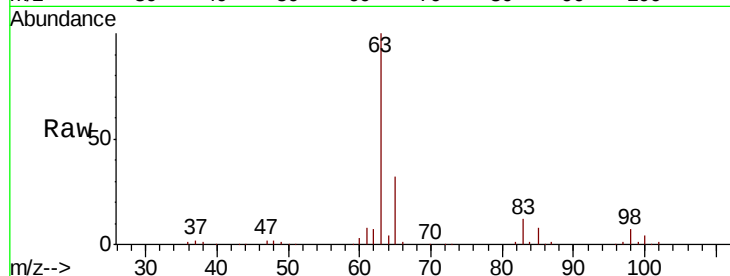
Tot Ion: 63 Resp: 474393

Ion Ratio Lower Upper

63 100

65 31.6 22.5 41.7

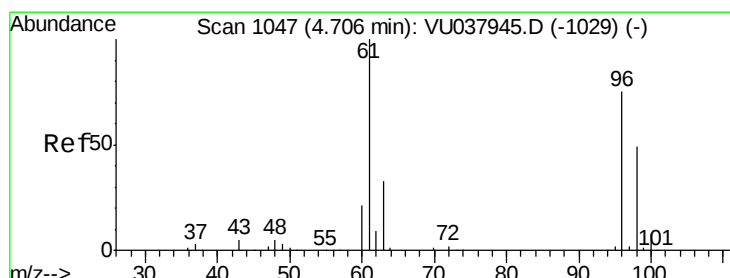
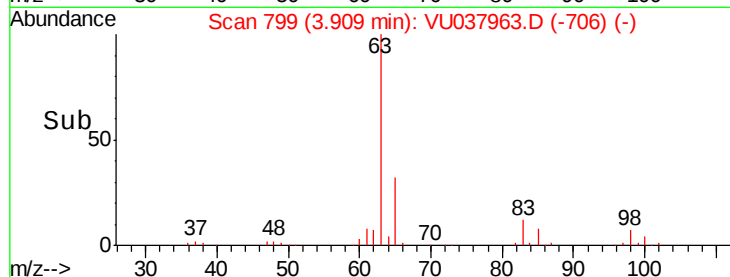
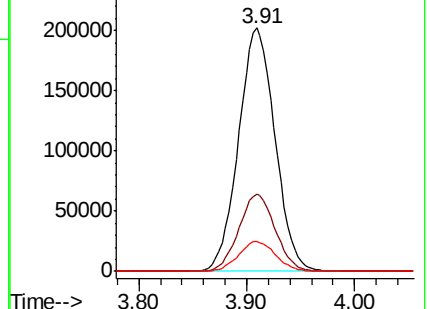
83 12.3 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU037945.D (-779) (-)

Ion 65.00 (64.70 to 65.70): VU037945.D (-779) (-)

Ion 83.00 (82.70 to 83.70): VU037945.D (-779) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.827 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

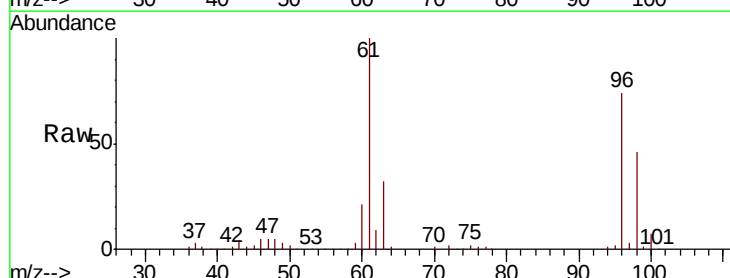
Tgt Ion: 96 Resp: 267016

Ion Ratio Lower Upper

96 100

61 135.1 93.9 174.3

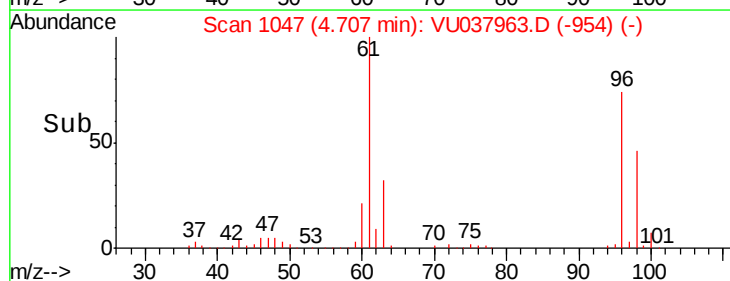
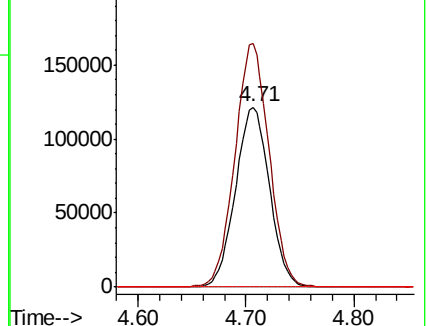
68 0.0 0.0 0.0

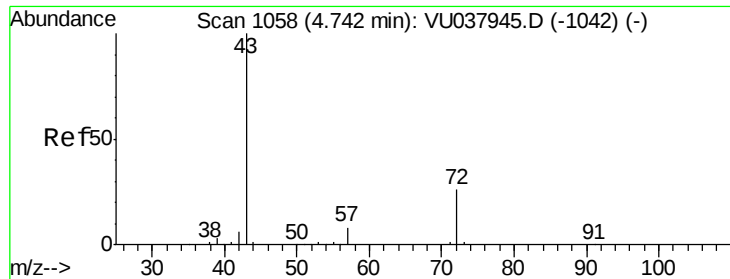


Abundance Ion 96.00 (95.70 to 96.70): VU037945.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037945.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037945.D (-1029) (-)





#22

2-Butanone

Concen: 100.648 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

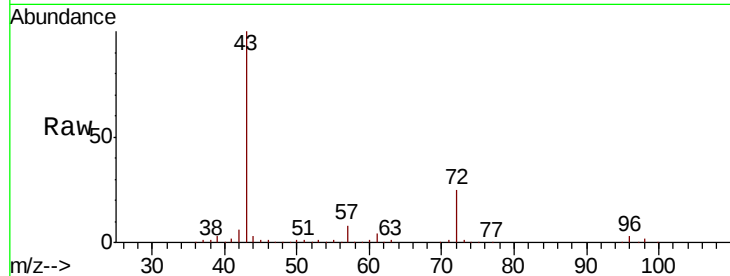
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 494388

Ion Ratio Lower Upper

43 100

72 25.7 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VU037945.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU037945.D (-1042) (-)

4.74

250000

200000

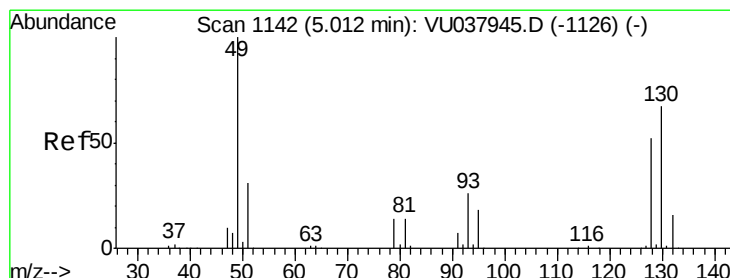
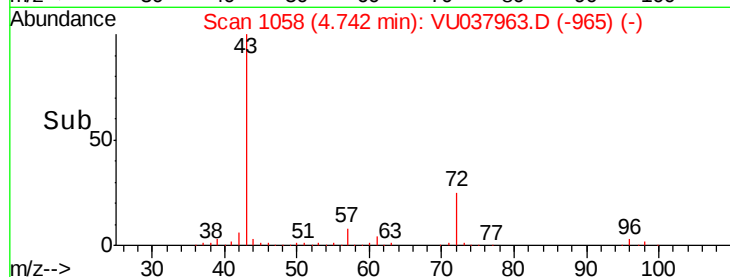
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 50.192 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Tgt Ion: 128 Resp: 126518

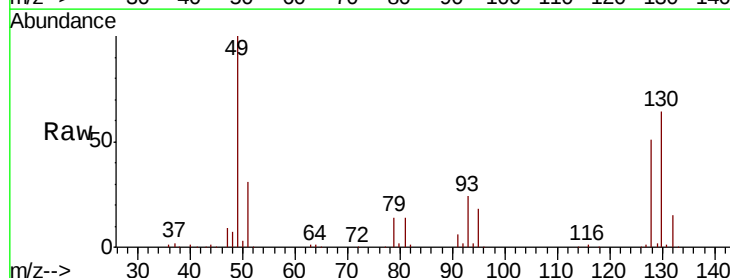
Ion Ratio Lower Upper

128 100

49 197.5 136.2 252.9

130 127.3 91.3 169.5

51 61.4 49.0 73.6



Abundance Ion 128.00 (127.70 to 128.70): VU037945.D (-1126) (-)

Ion 49.00 (48.70 to 49.70): VU037945.D (-1126) (-)

Ion 130.00 (129.70 to 130.70): VU037945.D (-1126) (-)

Ion 51.00 (50.70 to 51.70): VU037945.D (-1126) (-)

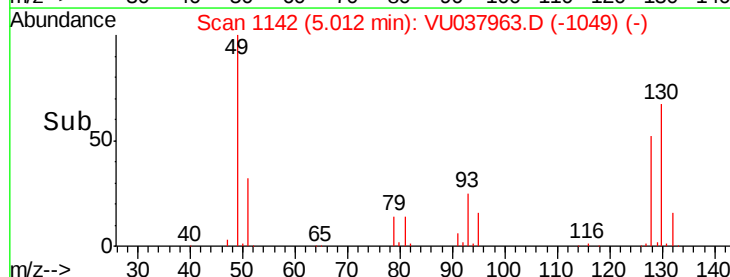
150000

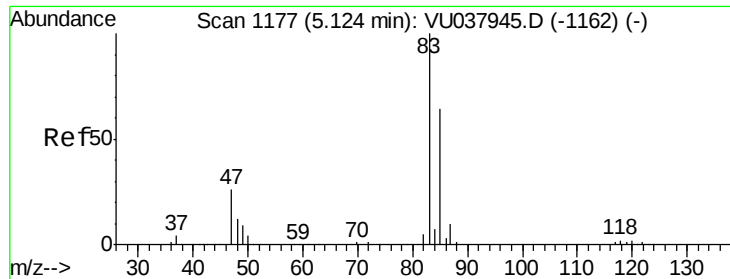
100000

50000

0

Time-->

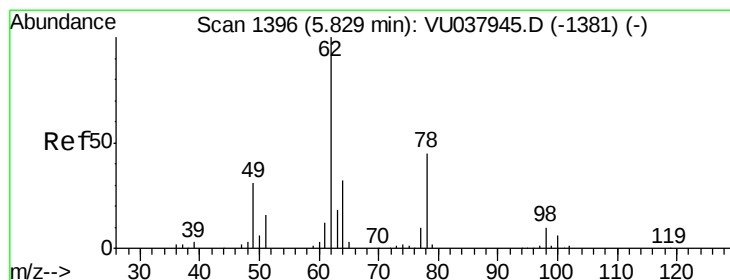
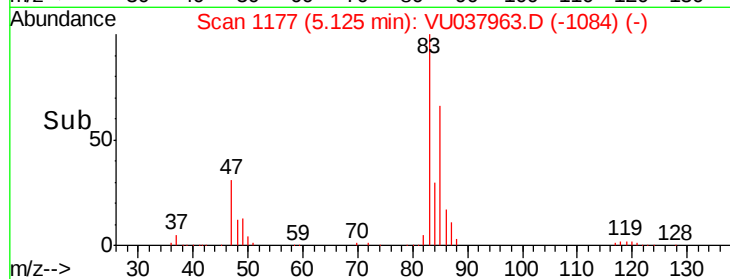
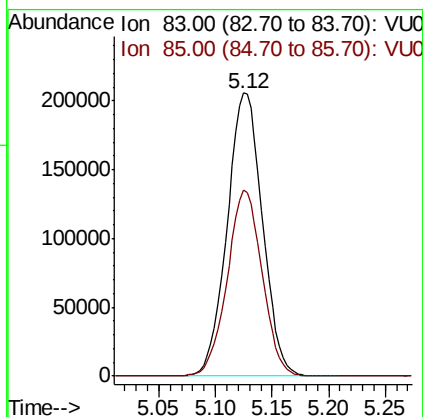
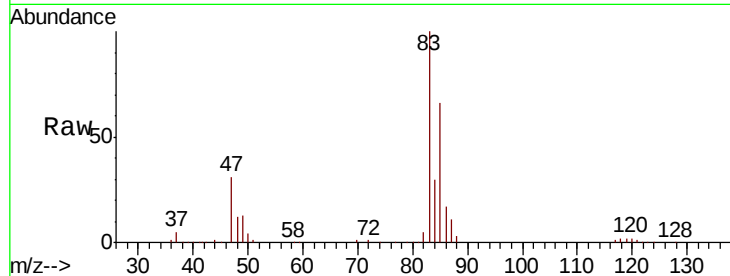




#25
Chloroform
Concen: 48.194 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

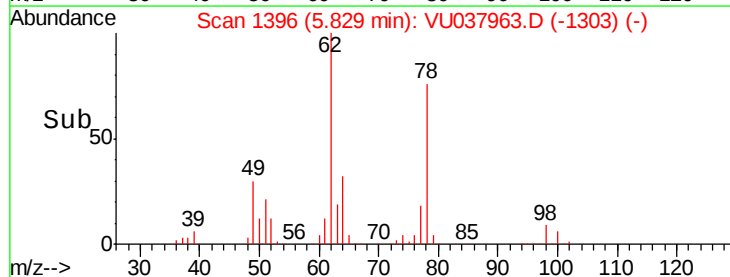
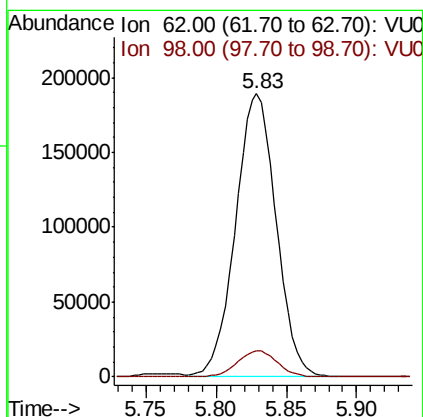
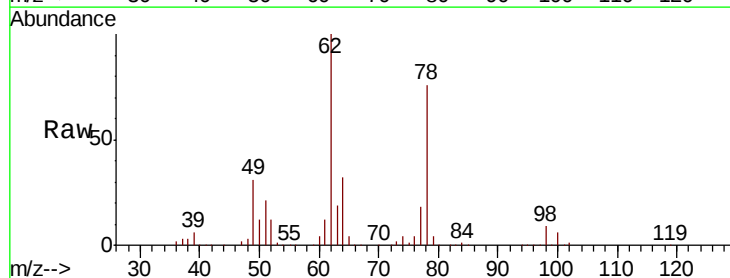
Instrument :
MSVOA_U
ClientSampleId :

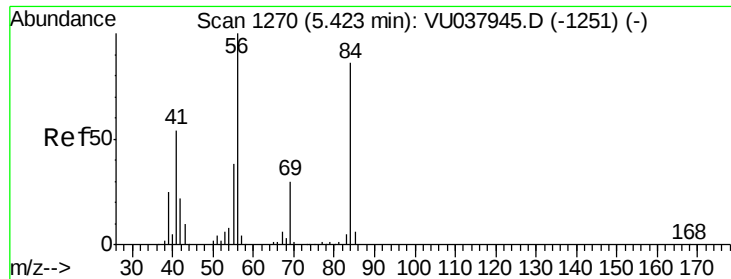
Tot Ion: 83 Resp: 446643
Ion Ratio Lower Upper
83 100
85 65.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.474 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion: 62 Resp: 379136
Ion Ratio Lower Upper
62 100
98 9.3 7.6 11.4

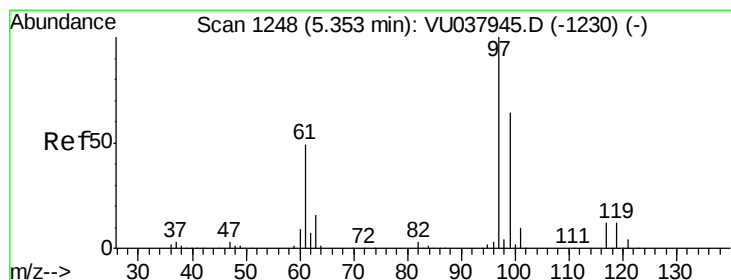
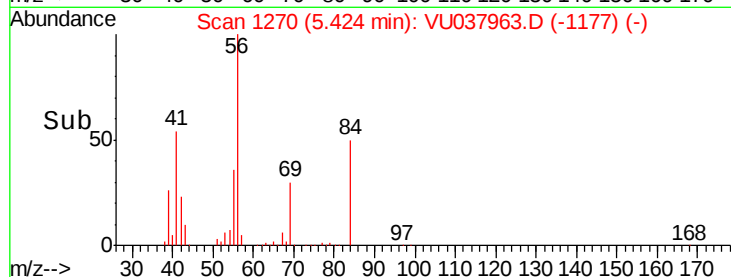
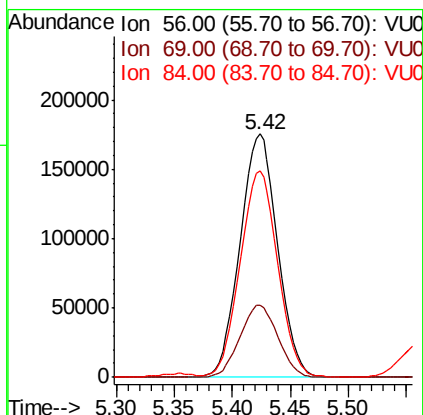
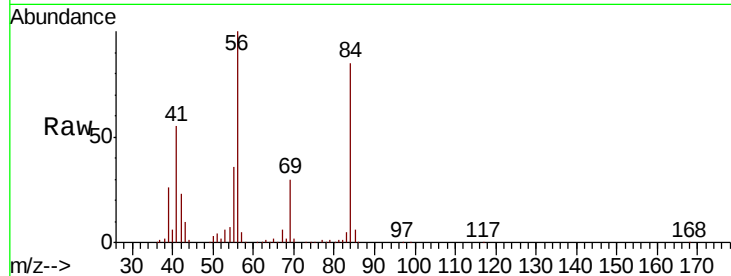




#29
Cyclohexane
Concen: 44.616 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

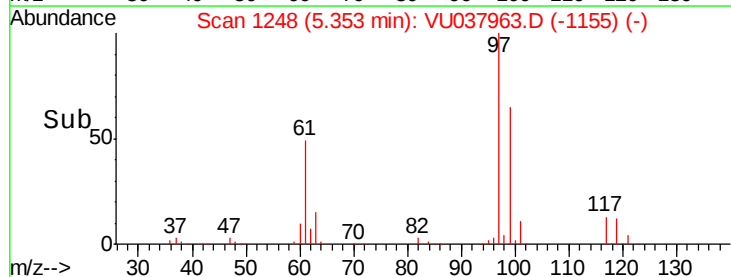
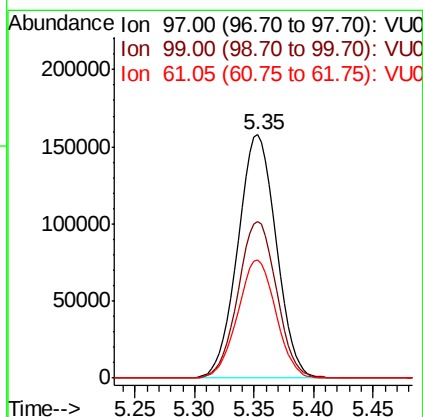
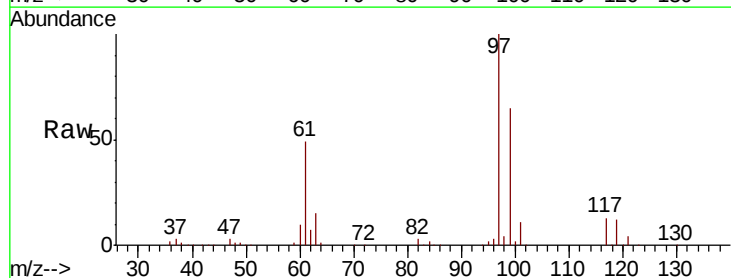
Instrument :
MSVOA_U
ClientSampled :

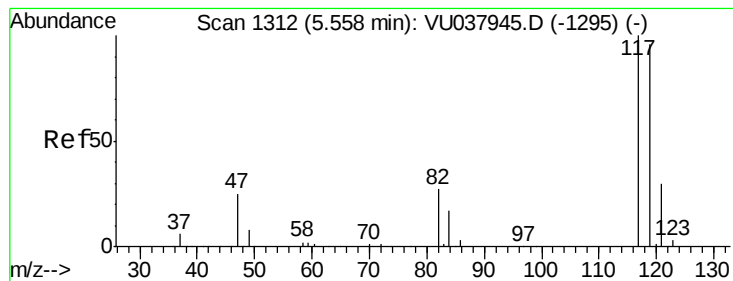
Tot Ion	56	Resp	394683
Ion Ratio	100	Lower	Upper
69	30.0	23.8	35.8
84	84.8	68.2	102.4



#30
1,1,1-Trichloroethane
Concen: 46.974 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion	97	Resp	353504
Ion Ratio	100	Lower	Upper
99	64.7	50.5	75.7
61	48.4	38.8	58.2





#31

Carbon tetrachloride

Concen: 46.537 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

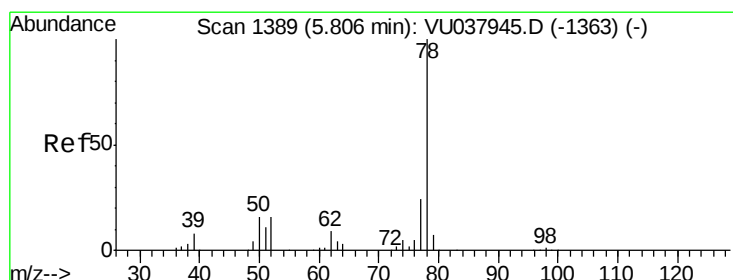
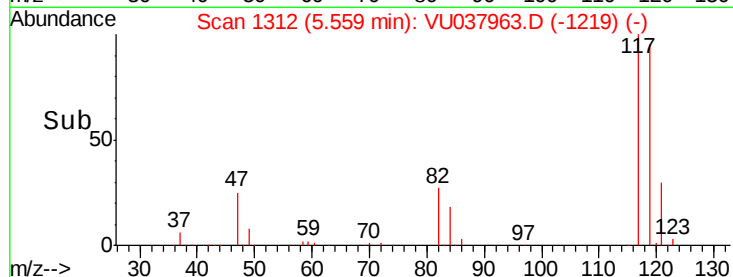
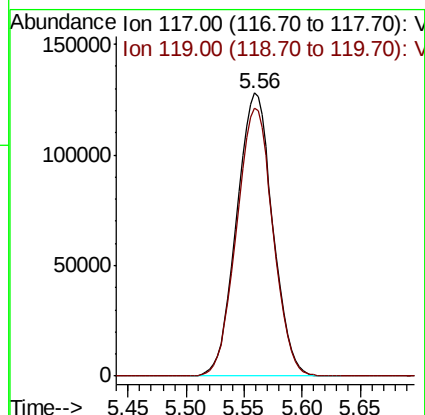
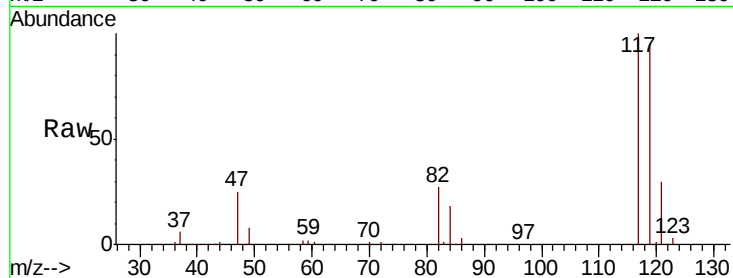
ClientSampled :

Tot Ion:117 Resp: 276457

Ion Ratio Lower Upper

117 100

119 95.2 76.7 115.1



#33

Benzene

Concen: 47.735 ug/L

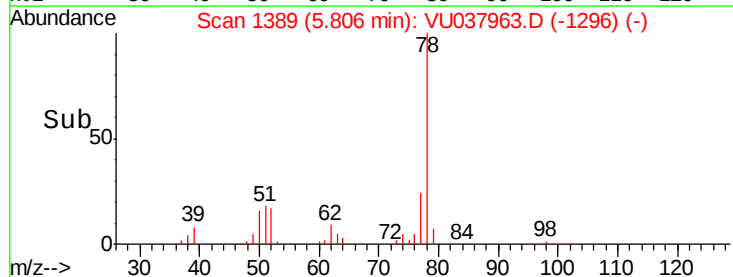
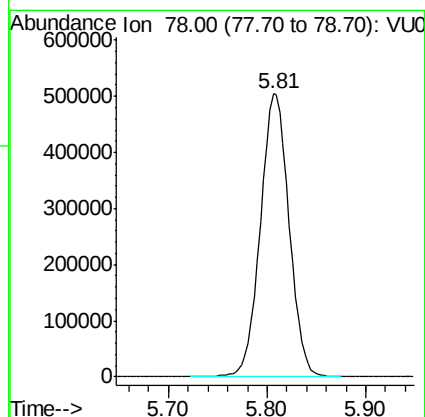
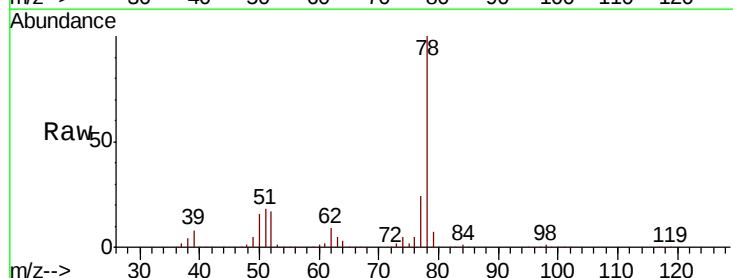
RT: 5.81 min Scan# 1389

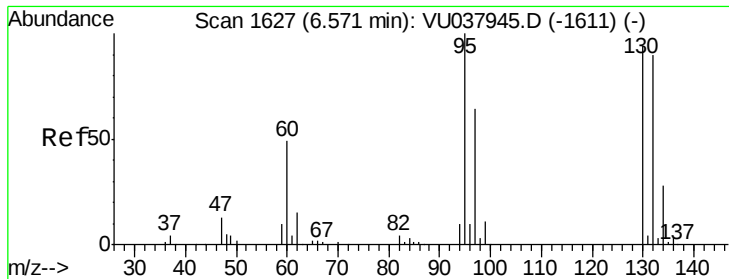
Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Tgt Ion: 78 Resp: 1010271

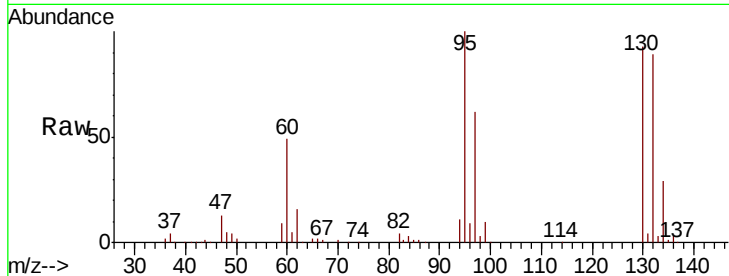




#34
 Trichloroethene
 Concen: 47.544 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	95	Resp:	244001
Ion	Ratio	Lower	Upper
95	100		
97	62.5	44.9	83.5
132	88.9	63.2	117.4
130	93.5	65.9	122.3



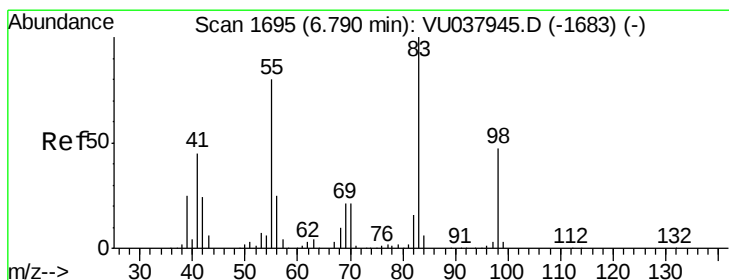
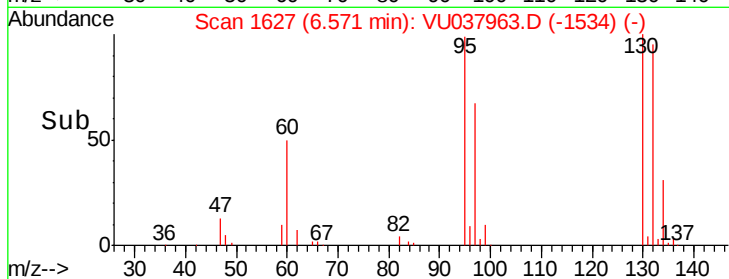
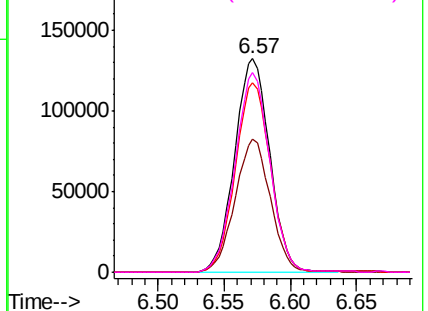
Abundance

Ion 95.00 (94.70 to 95.70): VU037963.D (-1611) (-)

Ion 97.00 (96.70 to 97.70): VU037963.D (-1611) (-)

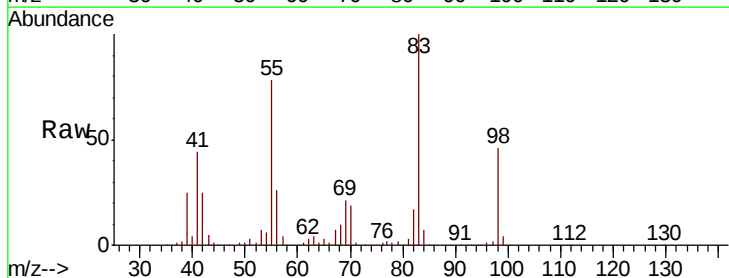
Ion 132.00 (131.70 to 132.70): VU037963.D (-1611) (-)

Ion 130.00 (129.70 to 130.70): VU037963.D (-1611) (-)



#35
 Methylcyclohexane
 Concen: 43.751 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion:	83	Resp:	377168
Ion	Ratio	Lower	Upper
83	100		
55	80.4	64.2	96.4
98	48.1	38.1	57.1

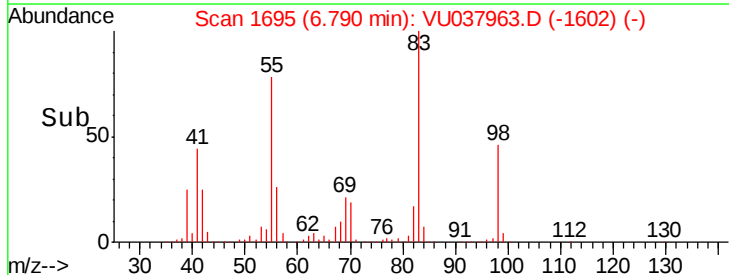
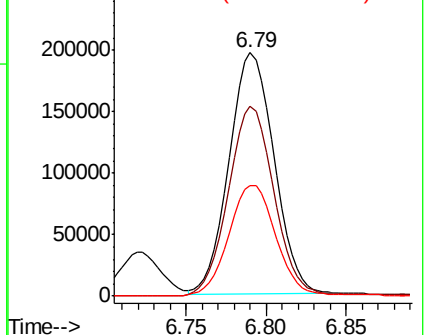


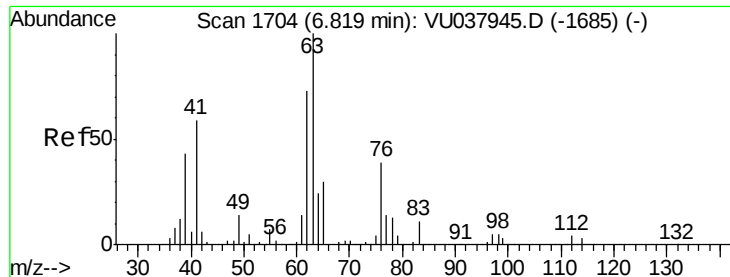
Abundance

Ion 83.00 (82.70 to 83.70): VU037963.D (-1683) (-)

Ion 55.00 (54.70 to 55.70): VU037963.D (-1683) (-)

Ion 98.00 (97.70 to 98.70): VU037963.D (-1683) (-)

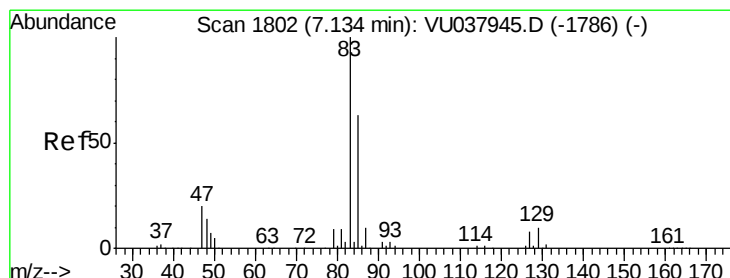
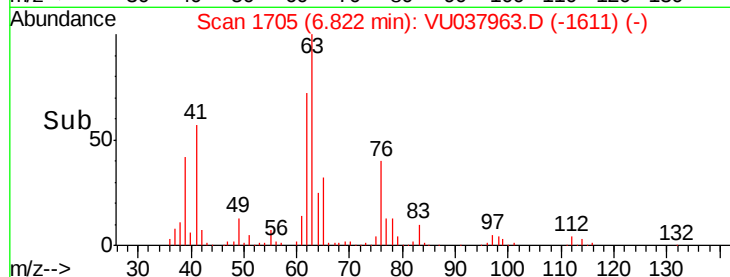
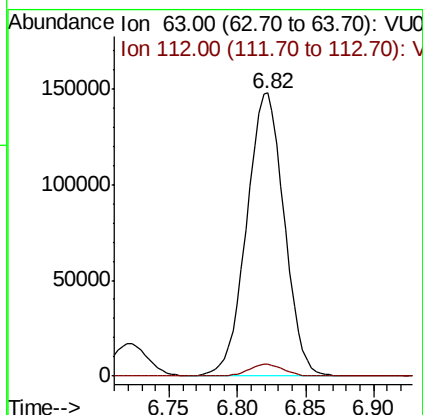
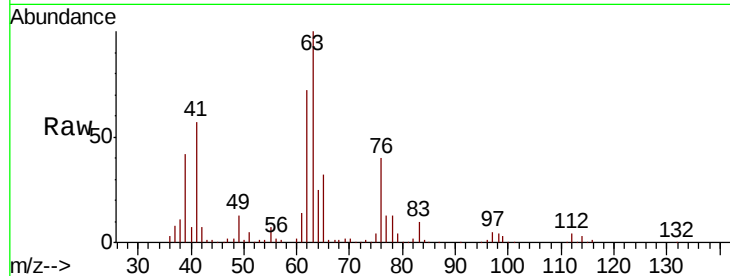




#37
 1,2-Dichloropropane
 Concen: 49.608 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

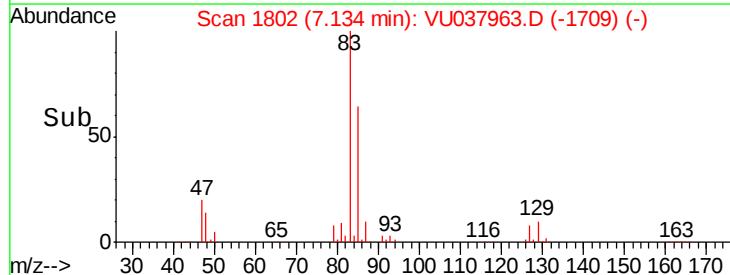
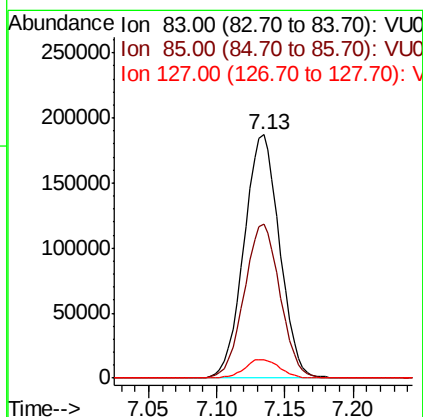
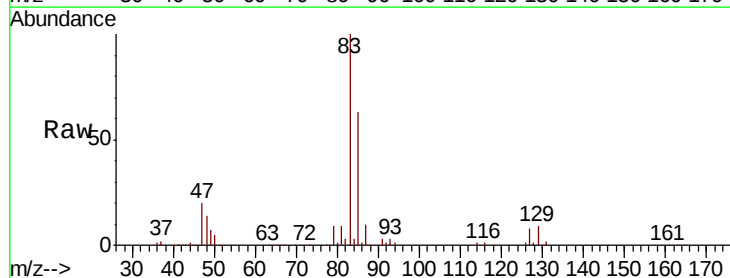
Instrument :
 MSVOA_U
 ClientSampleId :

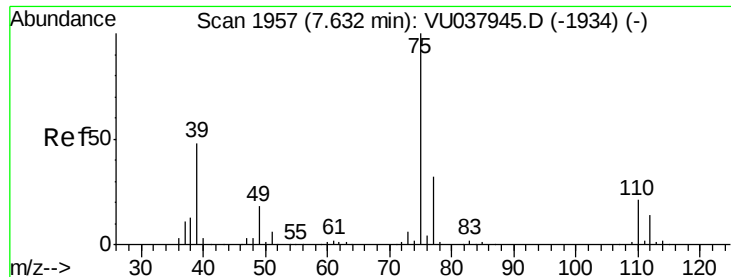
Tot Ion: 63 Resp: 280705
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.1 4.7



#38
 Bromodichloromethane
 Concen: 49.144 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion: 83 Resp: 337636
 Ion Ratio Lower Upper
 83 100
 85 63.2 43.8 81.3
 127 7.5 6.1 9.1

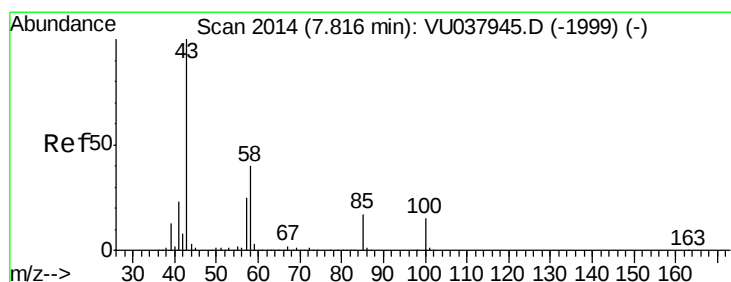
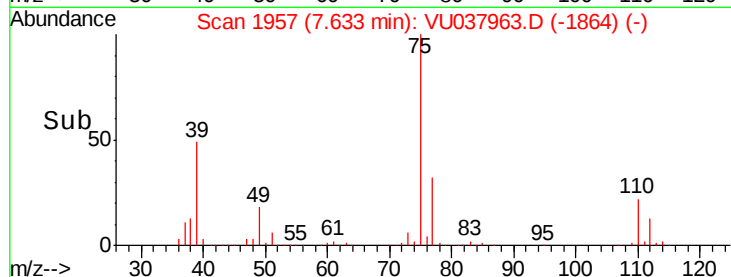
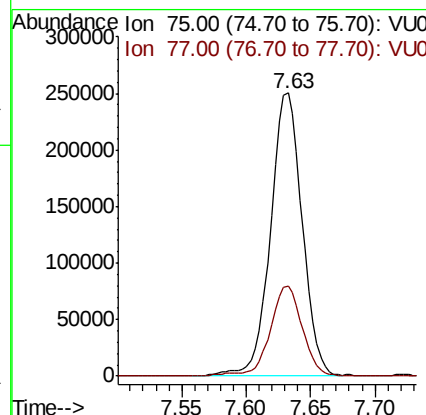
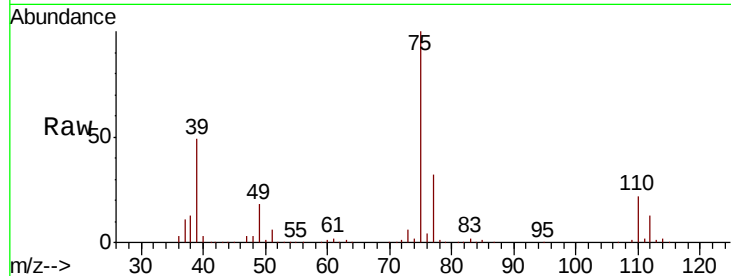




#39
 cis-1,3-Dichloropropene
 Concen: 49.485 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

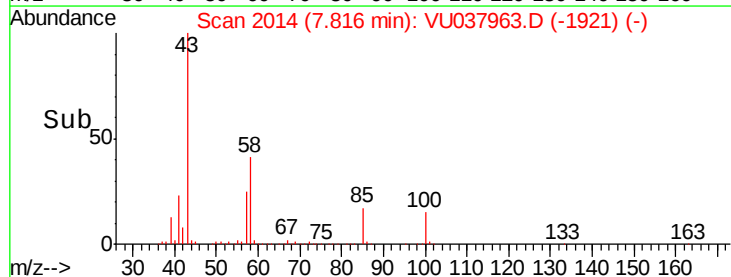
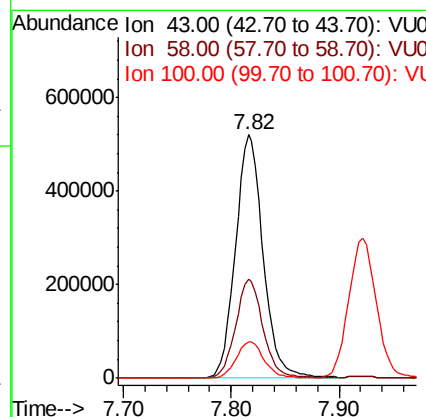
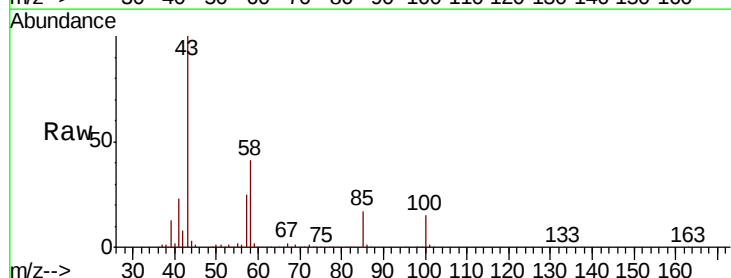
Instrument :
 MSVOA_U
 ClientSampled :

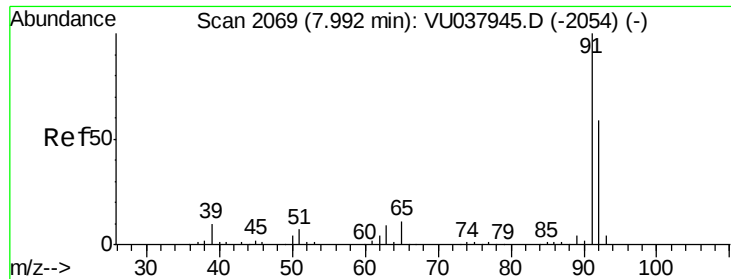
Tot Ion: 75 Resp: 429219
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 101.204 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion: 43 Resp: 927846
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.8 47.8
 100 15.1 12.2 18.2





#42

Toluene

Concen: 47.639 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

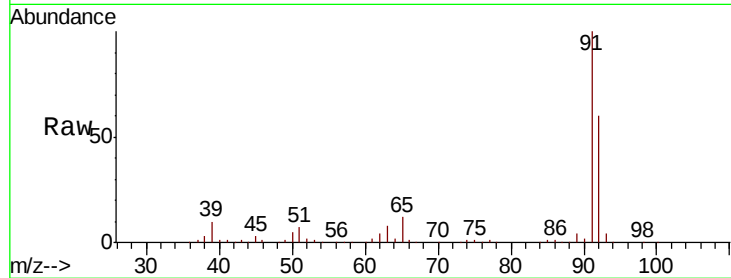
ClientSampleId :

Tot Ion: 91 Resp: 1059284

Ion Ratio Lower Upper

91 100

92 59.5 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU037945.D (-2054) (-)

7.99

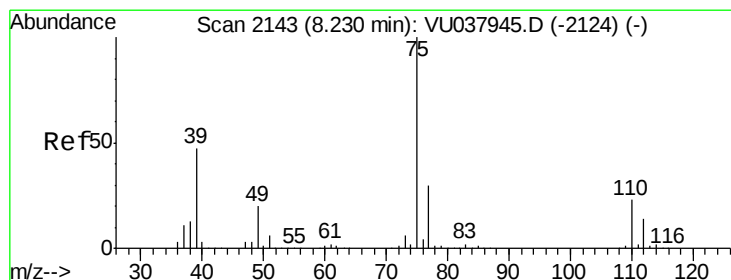
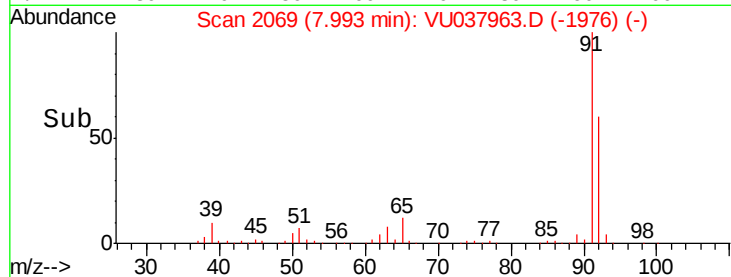
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.997 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU037963.D

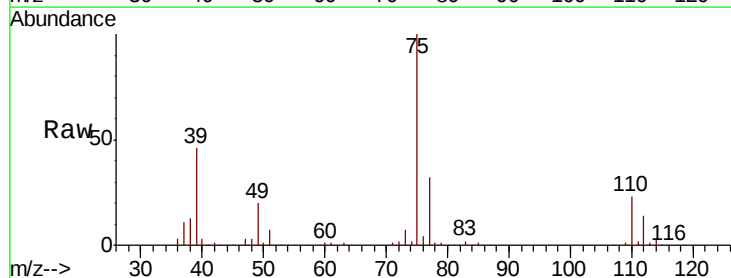
Acq: 30 Apr 2020 20:19

Tgt Ion: 75 Resp: 404873

Ion Ratio Lower Upper

75 100

77 31.7 21.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VU037945.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037945.D (-2124) (-)

8.23

250000

200000

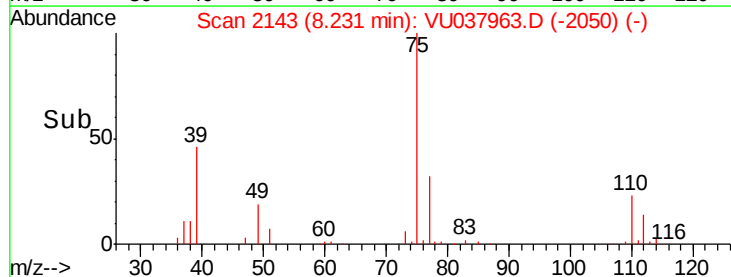
150000

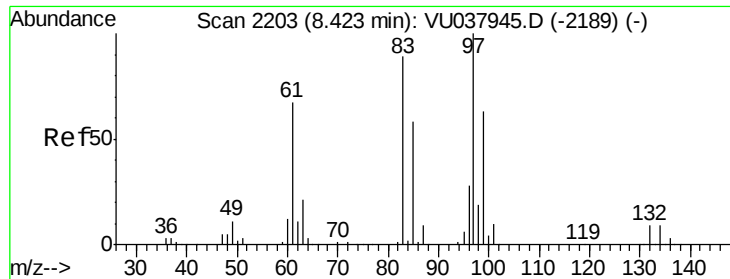
100000

50000

0

Time-->

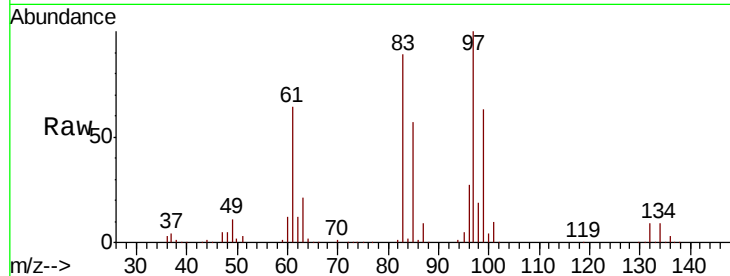




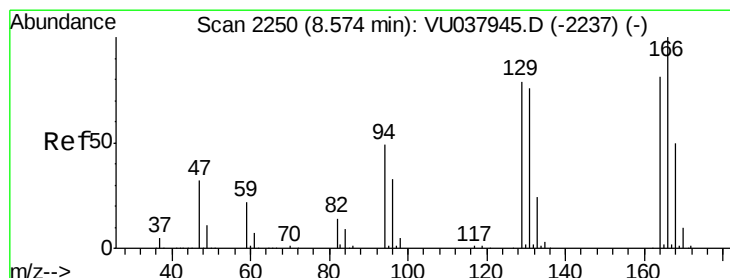
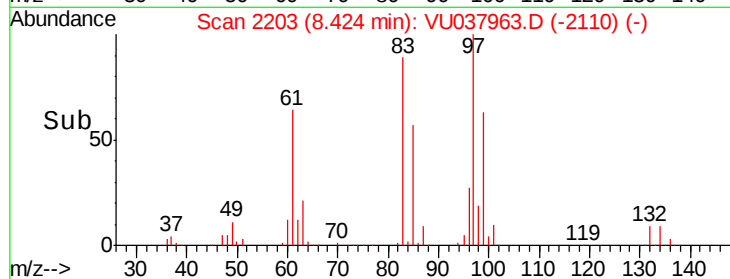
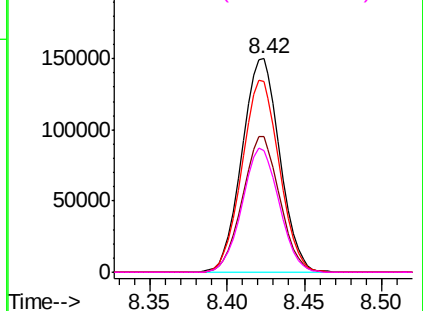
#45
 1,1,2-Trichloroethane
 Concen: 50.033 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	97	Resp:	256409
Ion	Ratio	Lower	Upper
97	100		
99	63.5	44.4	82.4
83	89.3	61.9	115.1
85	56.9	40.5	75.1

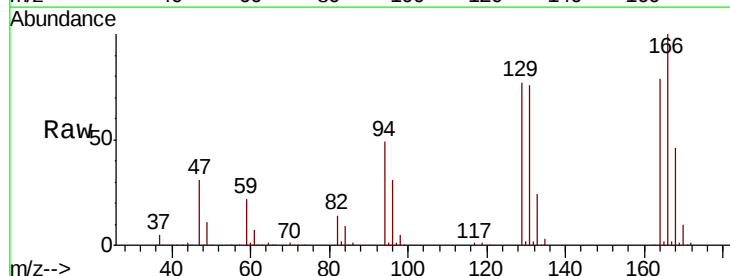


Abundance Ion 97.00 (96.70 to 97.70): VU037945.D (-2189) (-)

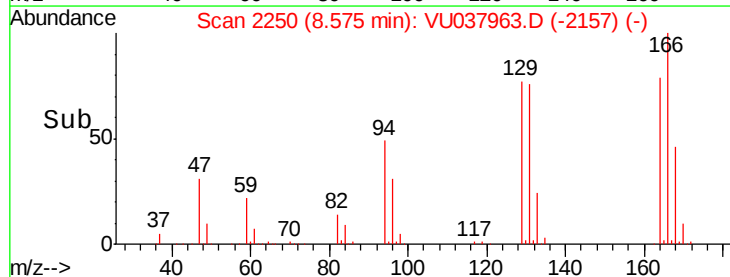
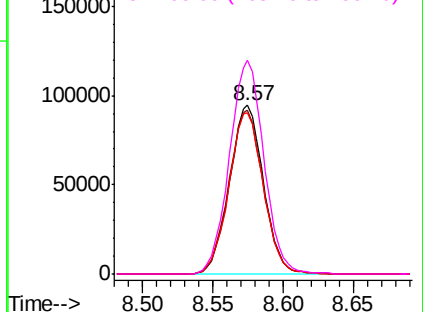


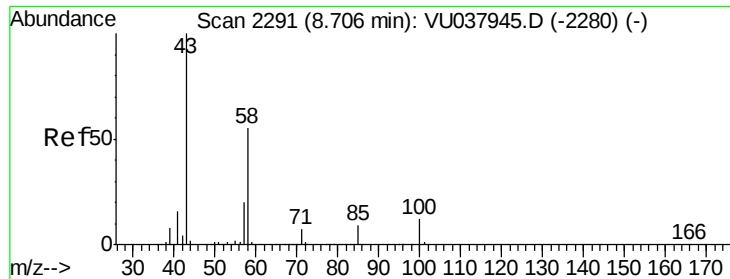
#46
 Tetrachloroethene
 Concen: 42.564 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion:	164	Resp:	159486
Ion	Ratio	Lower	Upper
164	100		
129	97.0	68.4	127.0
131	95.5	65.7	122.1
166	126.5	86.7	161.1



Abundance Ion 164.00 (163.70 to 164.70): VU037945.D (-2237) (-)

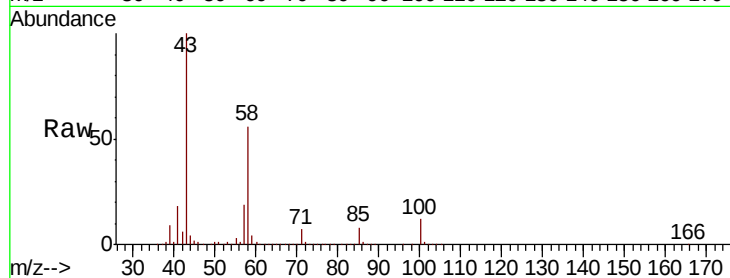




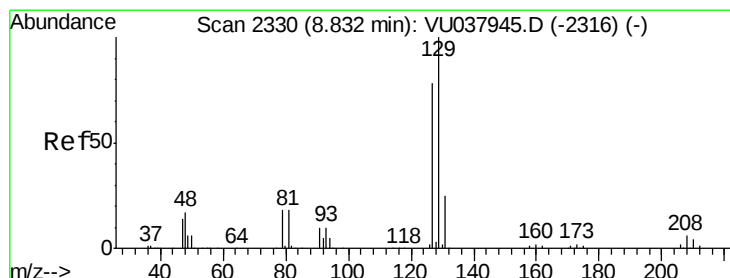
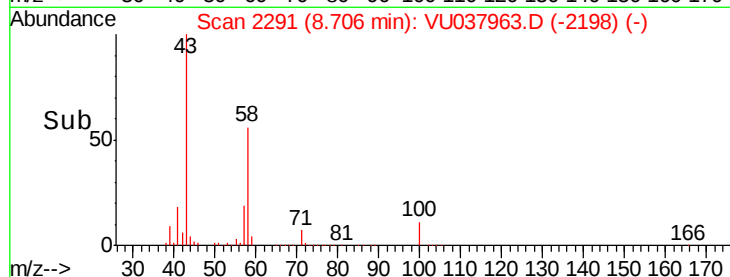
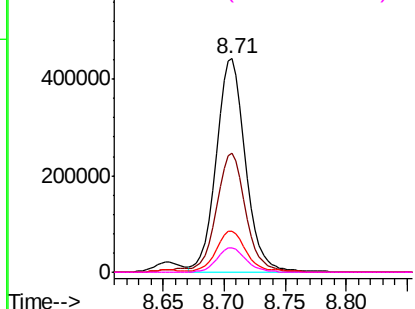
#48
2-Hexanone
Concen: 98.350 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 743073
Ion Ratio Lower Upper
43 100
58 57.7 46.4 69.6
57 20.3 16.4 24.6
100 11.6 9.5 14.3

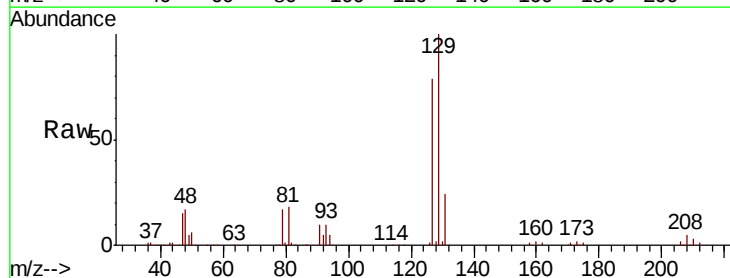


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

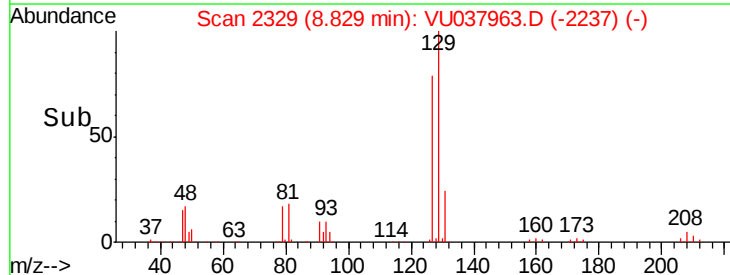
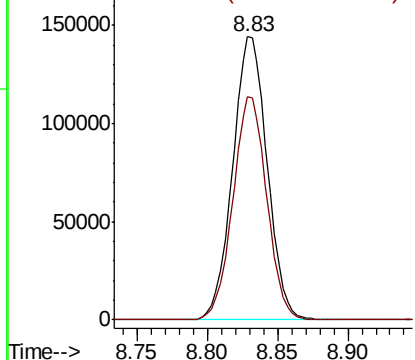


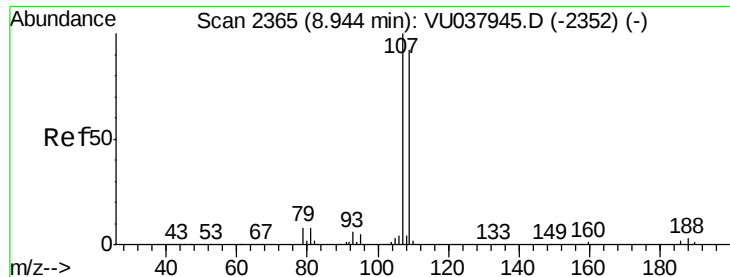
#49
Dibromochloromethane
Concen: 50.048 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion: 129 Resp: 247359
Ion Ratio Lower Upper
129 100
127 78.8 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

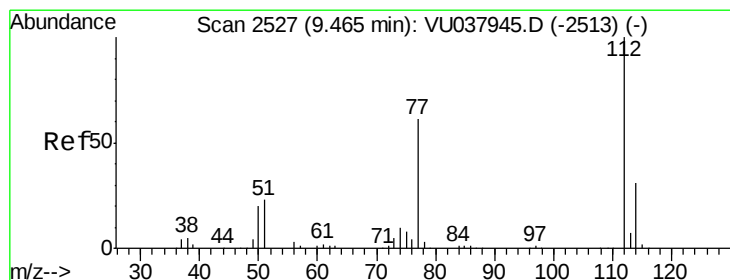
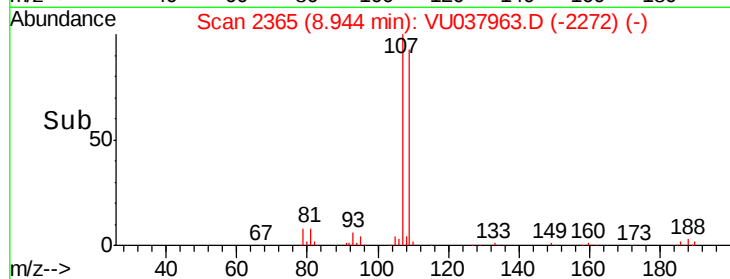
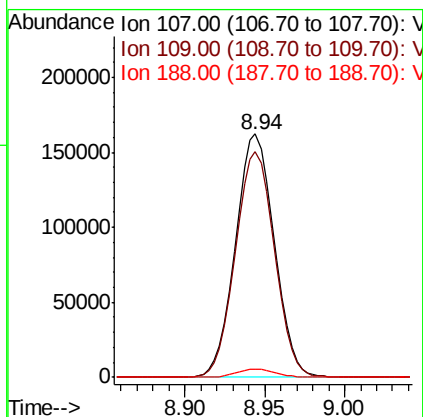
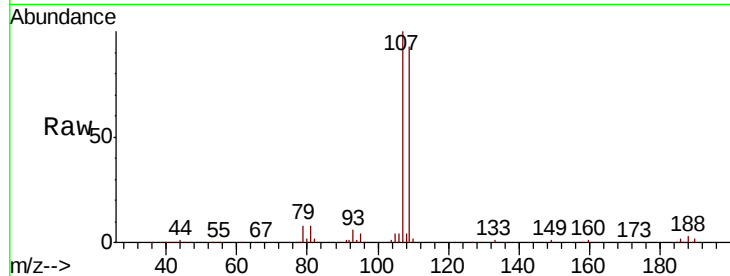




#50
 1,2-Dibromoethane
 Concen: 48.729 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

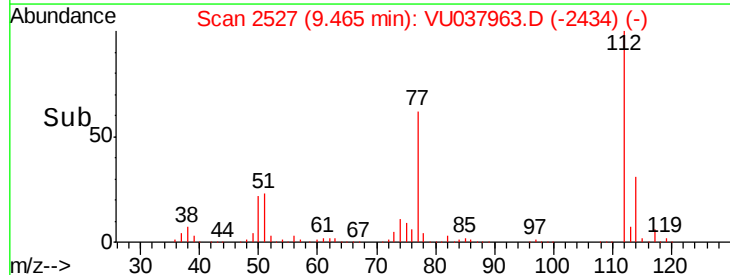
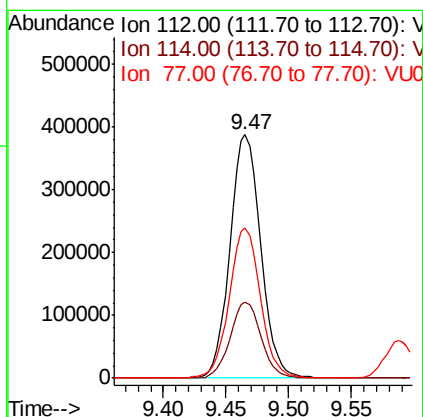
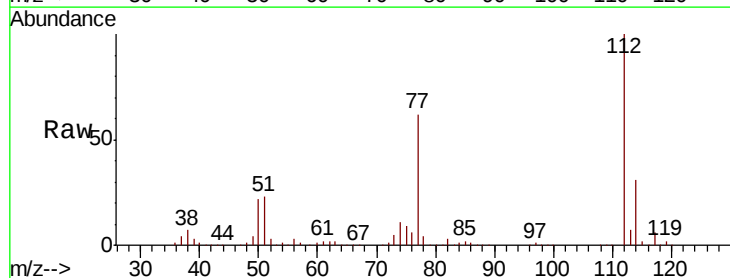
Instrument :
 MSVOA_U
 ClientSampleId :

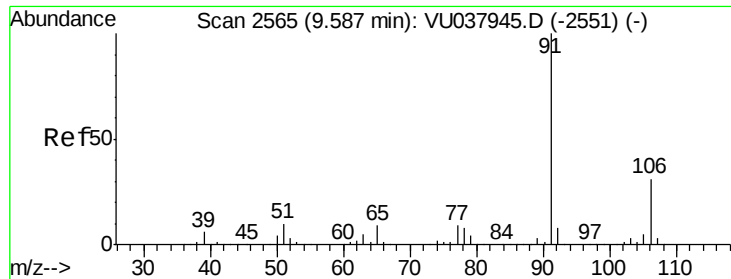
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.1	119.1
188	3.4	2.2	3.2#



#51
 Chlorobenzene
 Concen: 47.685 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	21.6	40.2
77	61.5	49.3	73.9





#52

Ethylbenzene

Concen: 47.092 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

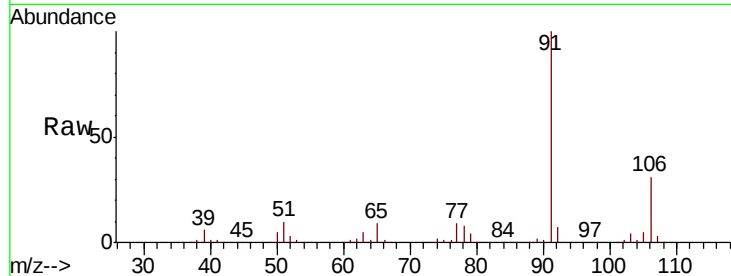
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 1160754

Ion Ratio Lower Upper

91 100

106 30.9 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU037945.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037963.D (-2472) (-)

800000

600000

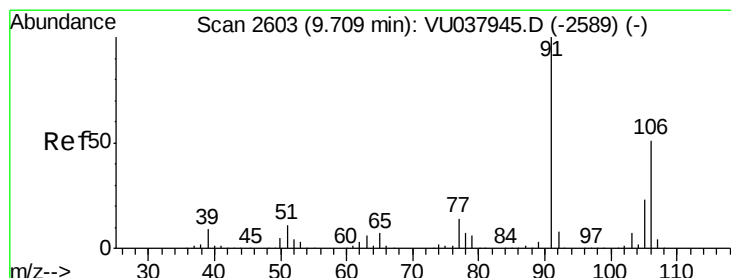
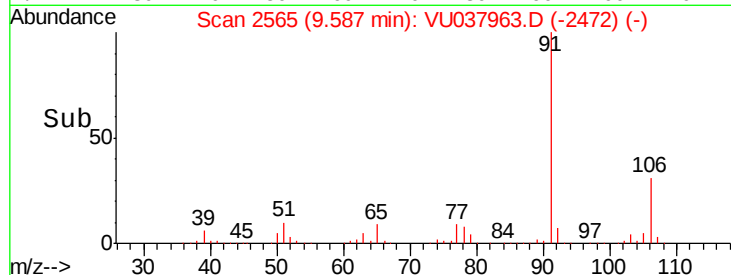
400000

200000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 47.379 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU037963.D

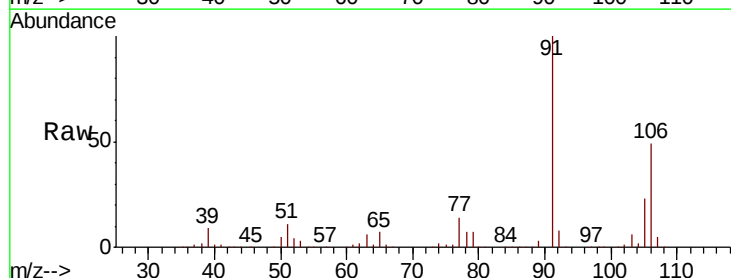
Acq: 30 Apr 2020 20:19

Tgt Ion: 106 Resp: 443411

Ion Ratio Lower Upper

106 100

91 202.3 138.0 256.4



Abundance Ion 106.00 (105.70 to 106.70): VU037963.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VU037945.D (-2589) (-)

800000

600000

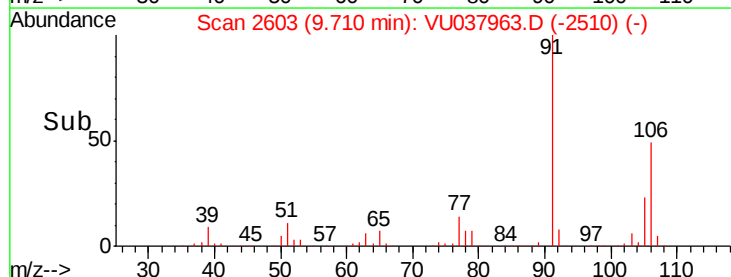
400000

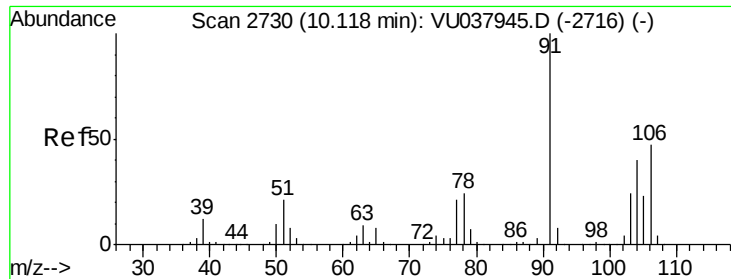
200000

0

9.60 9.70 9.80

Time-->

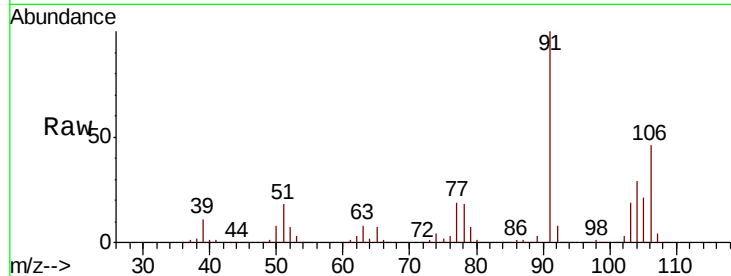




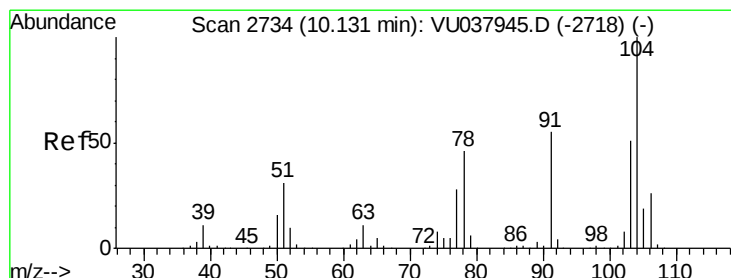
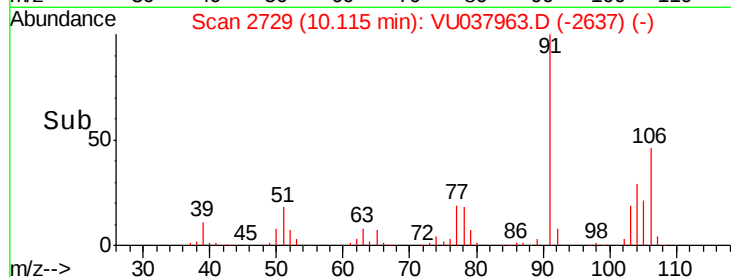
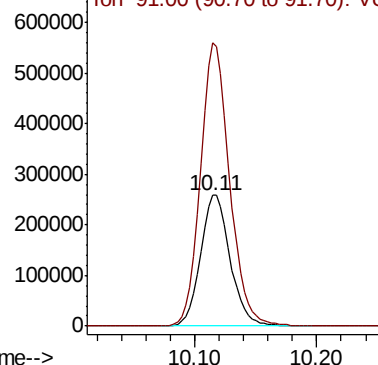
#54
o-xylene
Concen: 47.523 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 437894
Ion Ratio Lower Upper
106 100
91 216.7 149.4 277.4

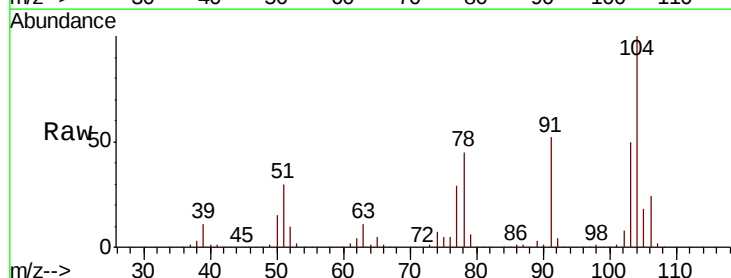


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

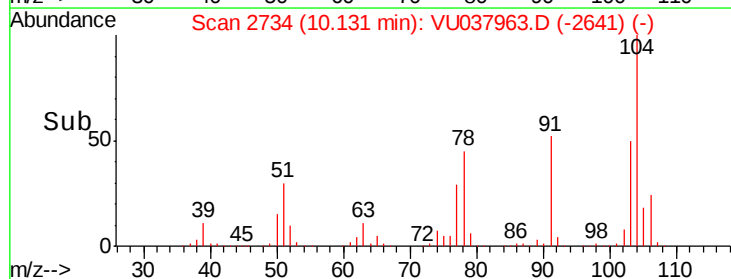
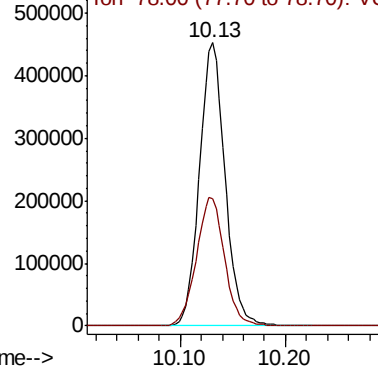


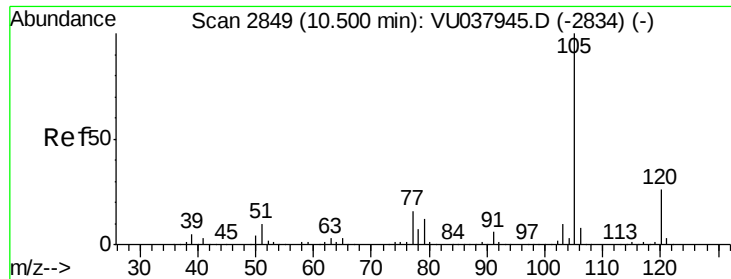
#55
Styrene
Concen: 48.486 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU037963.D
Acq: 30 Apr 2020 20:19

Tgt Ion:104 Resp: 758856
Ion Ratio Lower Upper
104 100
78 45.0 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.382 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

ClientSampleId :

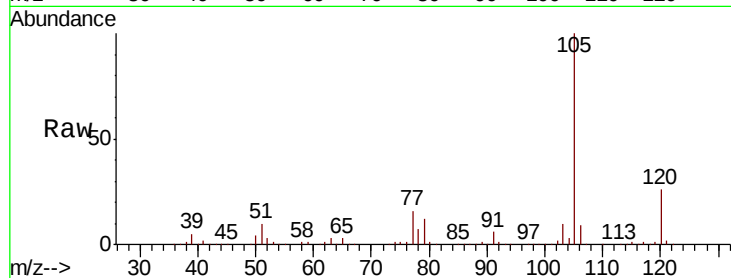
Tot Ion:105 Resp: 1100434

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

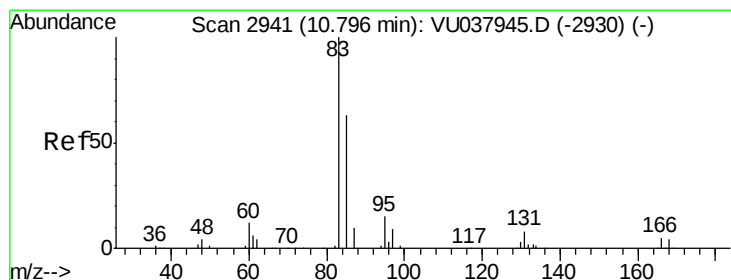
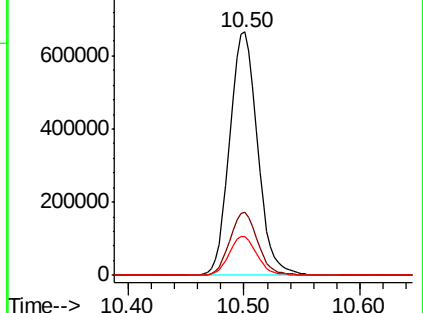
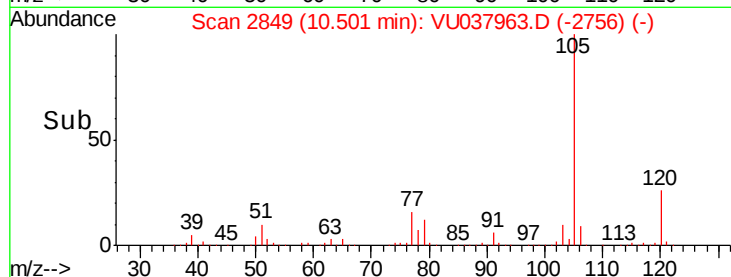
77 16.1 13.0 19.4



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: 49.943 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

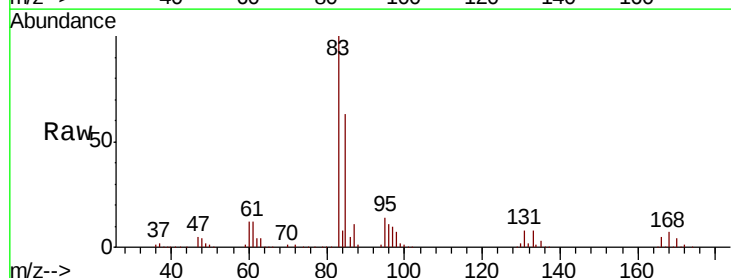
Tgt Ion: 83 Resp: 456932

Ion Ratio Lower Upper

83 100

85 63.5 44.9 83.3

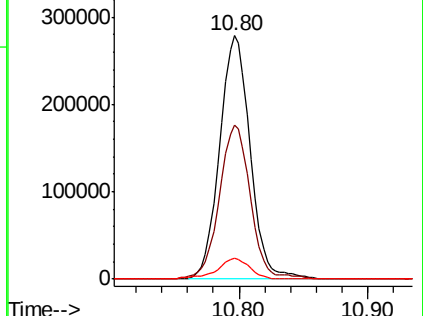
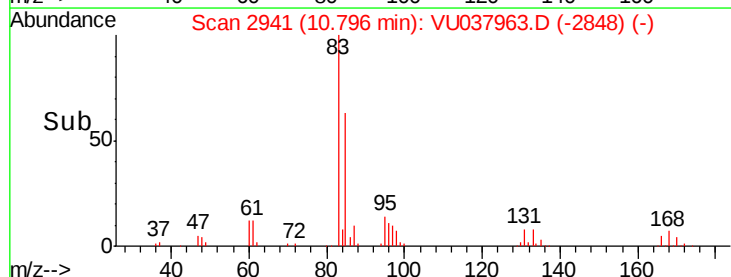
131 8.5 6.8 10.2

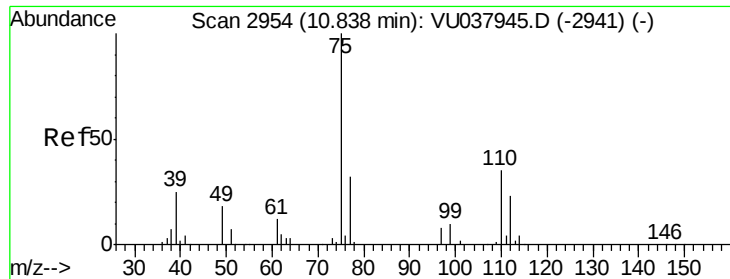


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.328 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

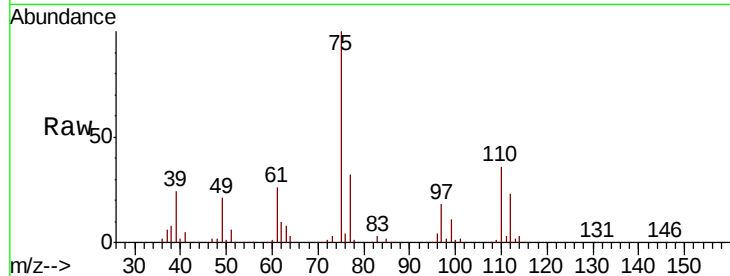
ClientSampleId :

Tot Ion: 75 Resp: 387008

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU037945.D (-2941) (-)

Ion 77.00 (76.70 to 77.70): VU037945.D (-2941) (-)

10.84

250000

200000

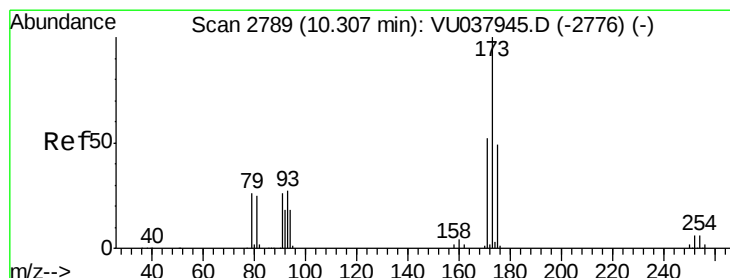
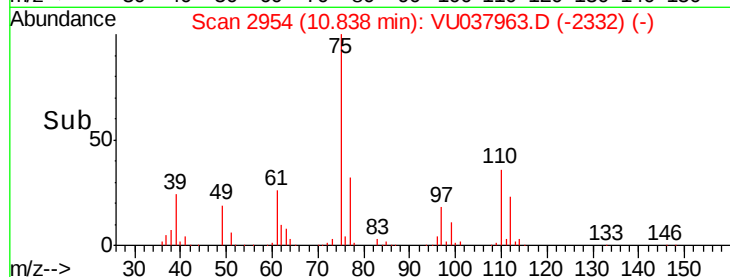
150000

100000

50000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 49.010 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

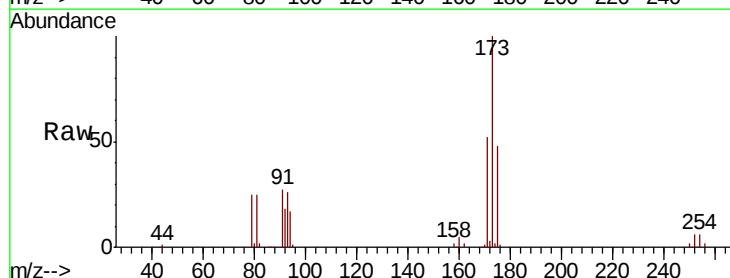
Tgt Ion: 173 Resp: 168336

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

254 6.1 4.7 7.1



Abundance Ion 173.00 (172.70 to 173.70): VU037945.D (-2776) (-)

Ion 175.00 (174.70 to 175.70): VU037945.D (-2776) (-)

Ion 254.00 (253.70 to 254.70): VU037945.D (-2776) (-)

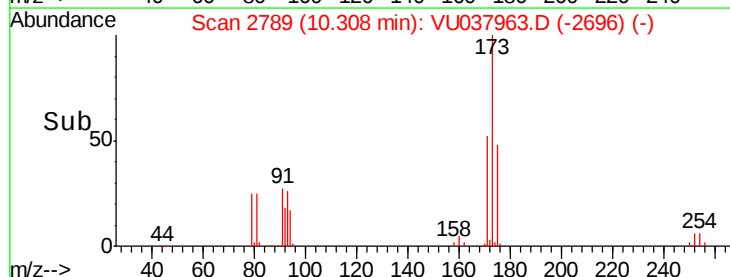
10.31

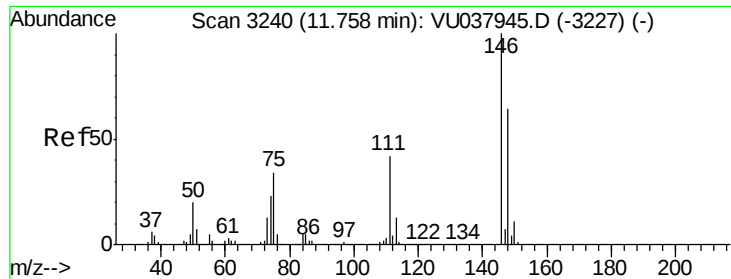
100000

50000

0

Time--> 10.25 10.30 10.35





#62

1,3-Dichlorobenzene

Concen: 46.892 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

ClientSampled :

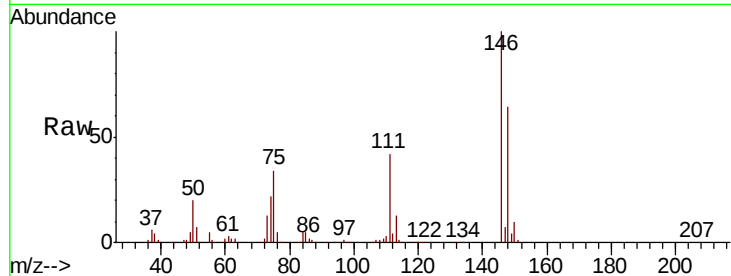
Tot Ion:146 Resp: 482261

Ion Ratio Lower Upper

146 100

111 42.2 29.2 54.2

148 64.2 44.9 83.5

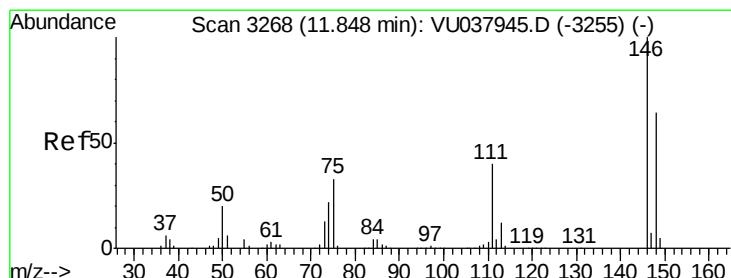
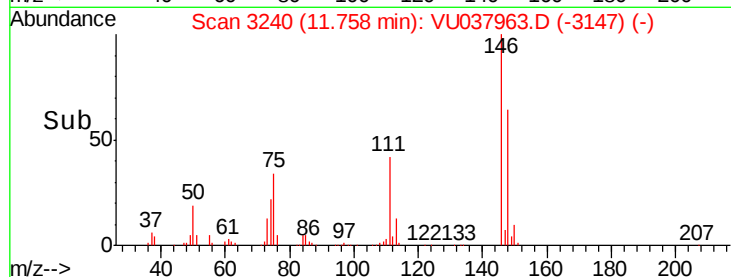
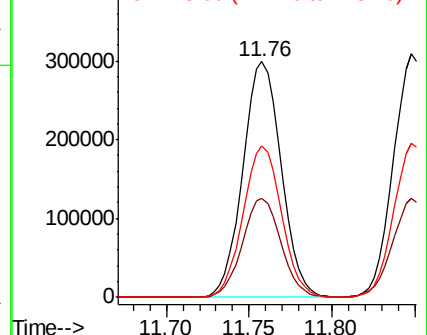


Abundance

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: 47.161 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

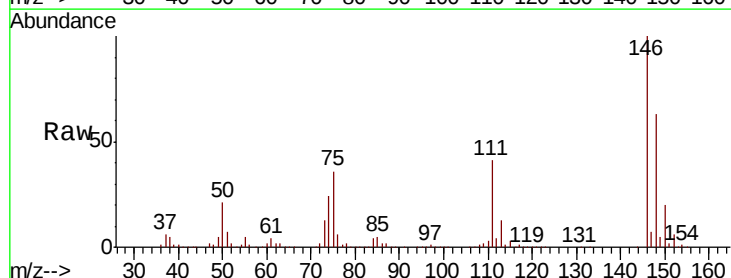
Tgt Ion:146 Resp: 490091

Ion Ratio Lower Upper

146 100

111 40.7 28.2 52.4

148 63.1 44.5 82.7

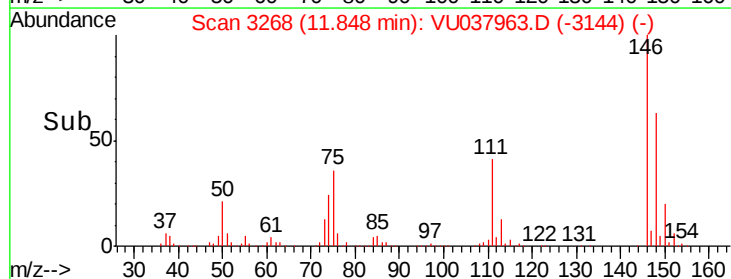
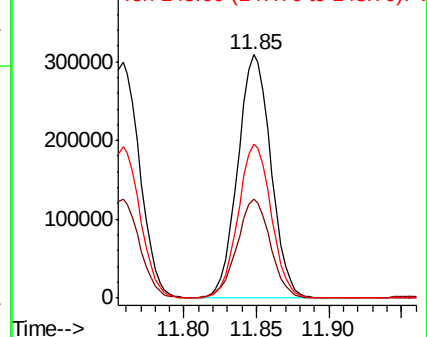


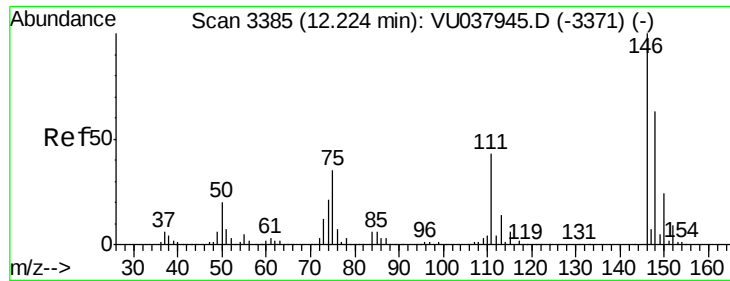
Abundance

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

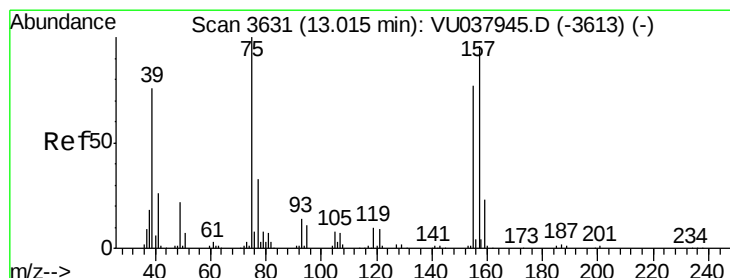
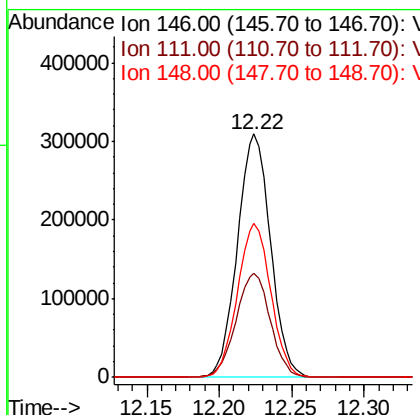
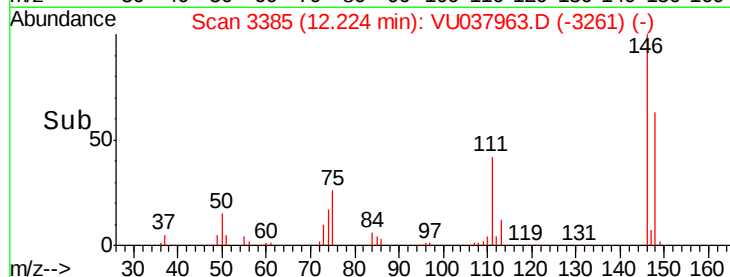
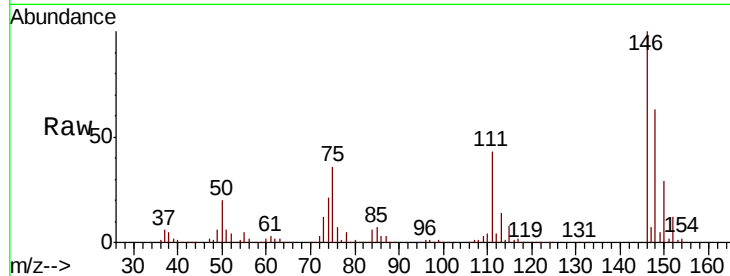




#65
 1,2-Dichlorobenzene
 Concen: 47.290 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

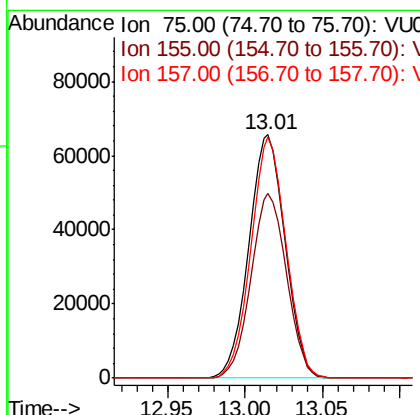
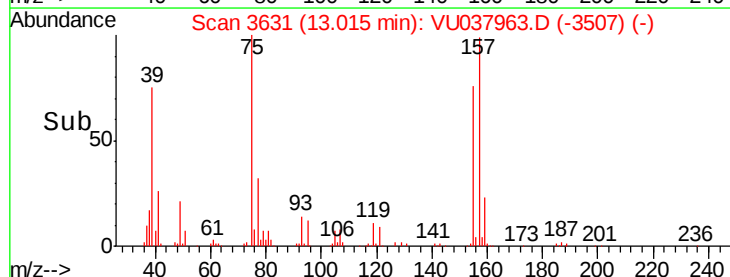
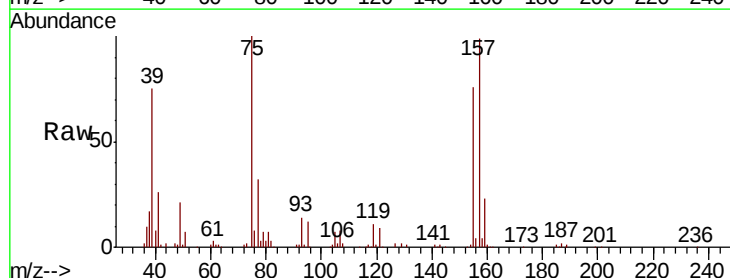
Instrument :
 MSVOA_U
 ClientSampleId :

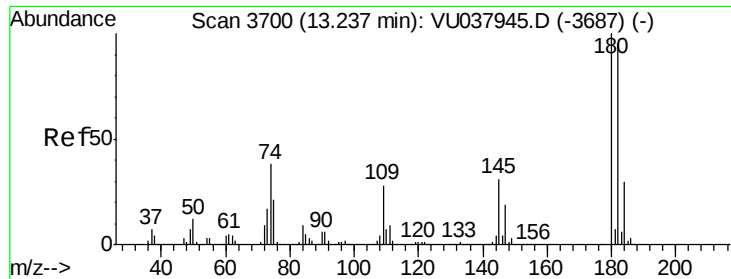
Tot Ion:146 Resp: 490636
 Ion Ratio Lower Upper
 146 100
 111 42.8 34.6 51.8
 148 63.0 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.518 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion: 75 Resp: 107235
 Ion Ratio Lower Upper
 75 100
 155 76.1 61.3 91.9
 157 99.1 76.9 115.3

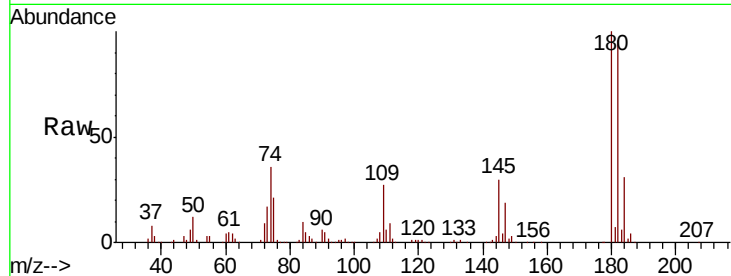




#67
 1,3,5-Trichlorobenzene
 Concen: 46.505 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.7	113.5
184	30.1	24.2	36.2
145	30.2	24.6	37.0



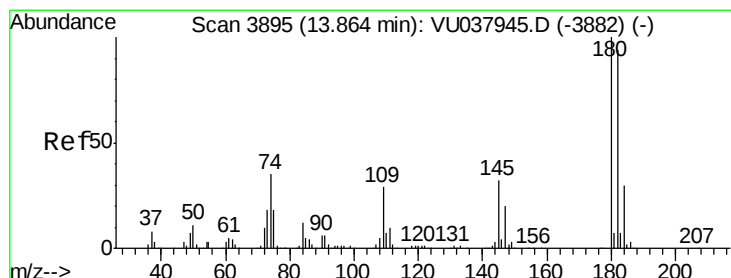
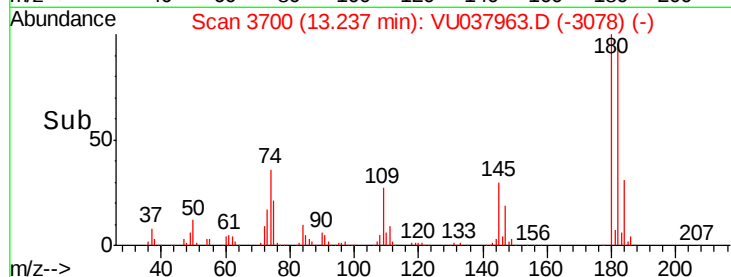
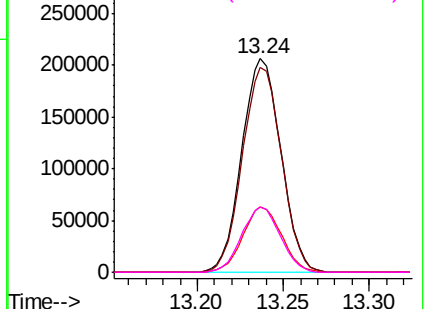
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

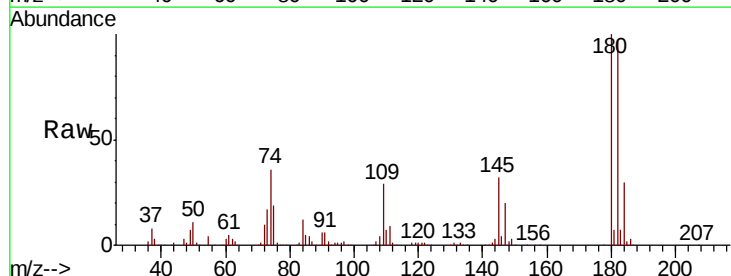
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.334 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU037963.D
 Acq: 30 Apr 2020 20:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
145	31.4	25.3	37.9

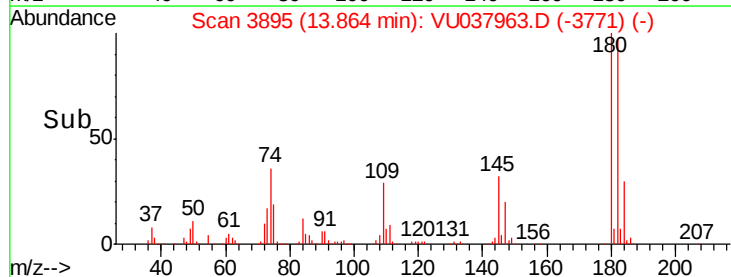
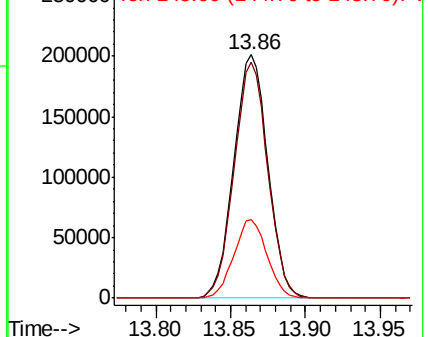


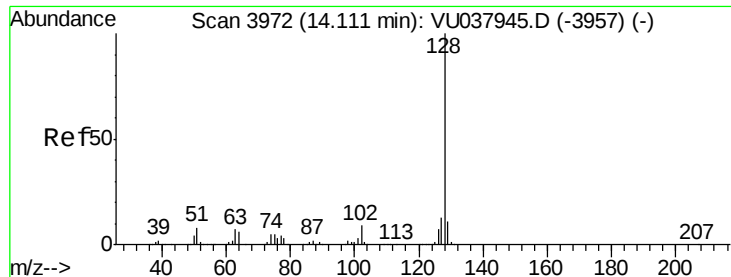
Abundance

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





#69

Naphthalene

Concen: 49.557 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

Instrument :

MSVOA_U

ClientSampleId :

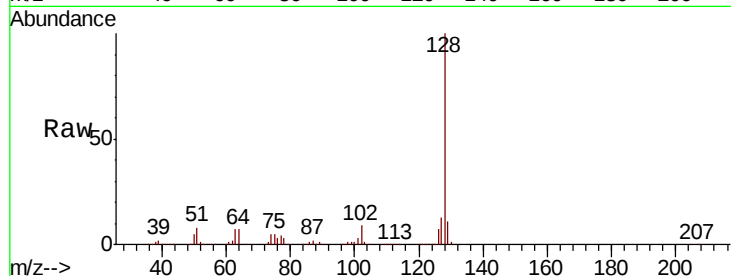
Tot Ion:128 Resp: 1277749

Ion Ratio Lower Upper

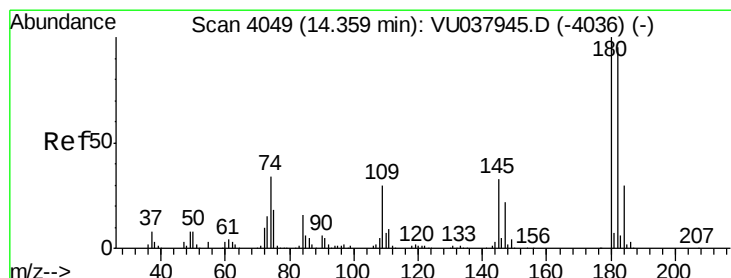
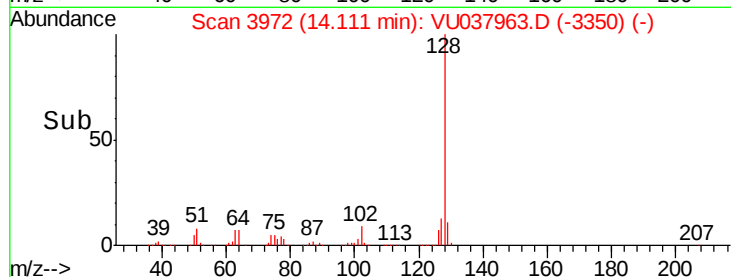
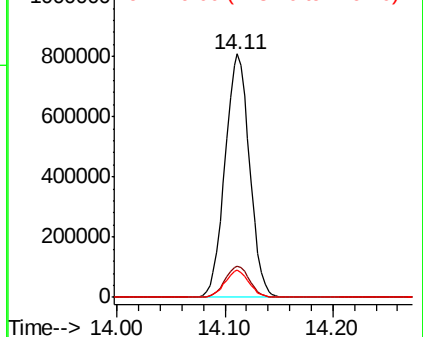
128 100

127 13.0 10.4 15.6

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: 48.775 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. -0.00 min

Lab File: VU037963.D

Acq: 30 Apr 2020 20:19

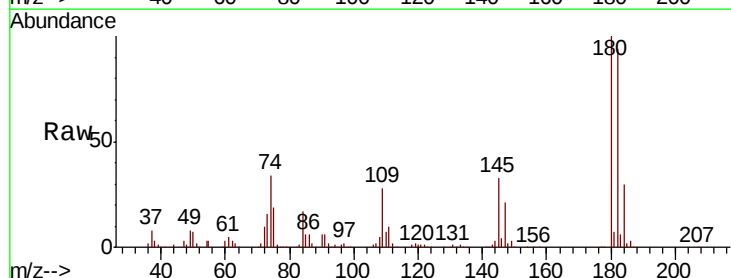
Tgt Ion:180 Resp: 322607

Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

145 32.8 27.0 40.4



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

