

Data File : VU037334.D
Acq On : 19 Mar 2020 09:31
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Quant Time: Mar 20 01:55:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 17 14:02:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	187345	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	186198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	95626	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	43759	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.93	69	41395	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.59	63	99499	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	4.68	46	152698	51.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	5.11	84	111210	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.74	65	63455	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.76	84	190978	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.73	67	62580	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.93	98	185718	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	8.21	79	29171	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.66	63	134302	52.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.54%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	57173	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	75088	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	105339	4.858	ug/L 100
3) Chloromethane	1.54	50	92839	4.362	ug/L 99
5) Vinyl chloride	1.62	62	91473	4.800	ug/L 99
6) Bromomethane	1.87	94	46023	4.749	ug/L 97
8) Chloroethane	1.95	64	50513	4.597	ug/L 97
9) Trichlorofluoromethane	2.16	101	139369	4.849	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	65828	4.947	ug/L 97
12) 1,1-Dichloroethene	2.60	96	59197	4.929	ug/L 99
13) Acetone	2.67	43	129745	52.018	ug/L 97
14) Carbon disulfide	2.82	76	182778	4.721	ug/L 99
15) Methyl Acetate	2.99	43	28781	5.018	ug/L 95
16) Methylene chloride	3.08	84	65355	4.522	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	172101	4.984	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	64026	4.946	ug/L 95
19) 1,1-Dichloroethane	3.91	63	126363	4.846	ug/L 95
21) 2-Butanone	4.76	43	209615	52.626	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	72051	5.017	ug/L 98

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Instrument :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 17 14:02:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	31259	4.805	ug/L	95
25) Chloroform	5.13	83	136289	4.801	ug/L	99
27) 1,2-Dichloroethane	5.83	62	96264	4.826	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	124938	4.906	ug/L	99
30) Cyclohexane	5.43	56	110252	4.832	ug/L	98
31) Carbon tetrachloride	5.56	117	111963	4.997	ug/L	98
33) Benzene	5.81	78	272768	4.878	ug/L	100
34) Trichloroethene	6.57	95	74709	4.890	ug/L	98
35) Methylcyclohexane	6.79	83	115138	4.983	ug/L	97
37) 1,2-Dichloropropane	6.83	63	70341	4.756	ug/L	99
38) Bromodichloromethane	7.14	83	101033	4.855	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	106424	4.787	ug/L	96
40) 4-Methyl-2-pentanone	7.83	43	508423	50.977	ug/L	99
42) Toluene	8.00	91	305116	5.061	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	95822	5.138	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	52096	4.885	ug/L	97
47) Tetrachloroethene	8.58	164	59306	4.998	ug/L	96
48) 2-Hexanone	8.72	43	372300	50.836	ug/L	99
49) Dibromochloromethane	8.83	129	71843	5.166	ug/L	98
50) 1,2-Dibromoethane	8.95	107	52465	5.063	ug/L	99
51) Chlorobenzene	9.47	112	192097	4.937	ug/L	99
52) Ethylbenzene	9.59	91	338907	4.955	ug/L	100
53) m,p-Xylene	9.72	106	127021	5.049	ug/L	98
54) o-Xylene	10.12	106	123270	5.133	ug/L	98
55) Styrene	10.14	104	207401	5.132	ug/L	99
56) Isopropylbenzene	10.50	105	337958	5.036	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	69683	4.956	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	50775	4.834	ug/L	99
61) Bromoform	10.31	173	41648	4.940	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	155188	4.835	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	154602	4.837	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	147217	4.711	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	12166	4.999	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	119130	4.864	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	85145	5.006	ug/L	96
69) Naphthalene	14.12	128	116062	4.765	ug/L	98
70) 1,2,3-Trichlorobenzene	14.37	180	78130	4.741	ug/L	98

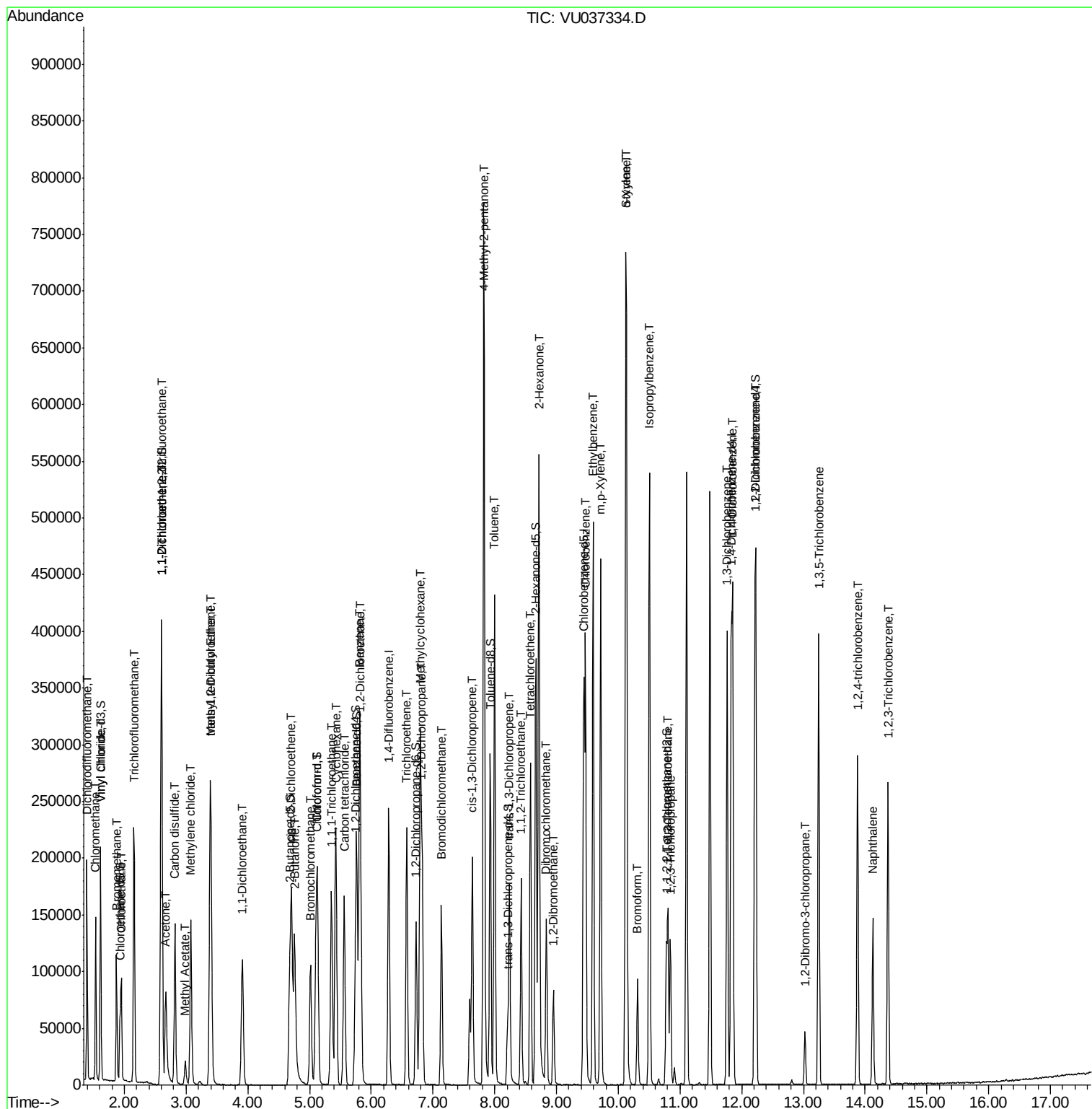
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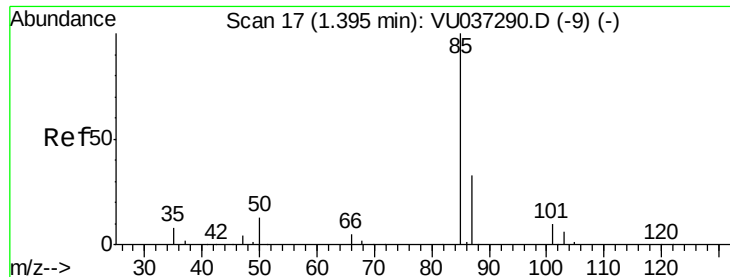
Data File : VU037334.D

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Acq On       : 19 Mar 2020   09:31
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ALS Vial    : 1      Sample Multiplier: 1
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ClientSampleId :
VSTD00513

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#2

Dichlorodifluoromethane

Concen: 4.858 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

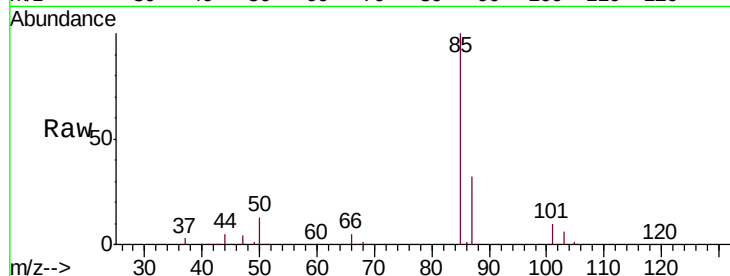
VSTD00513

Tgt Ion: 85 Resp: 105339

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037290.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037290.D (-9) (-)

1.39

120000

100000

80000

60000

40000

20000

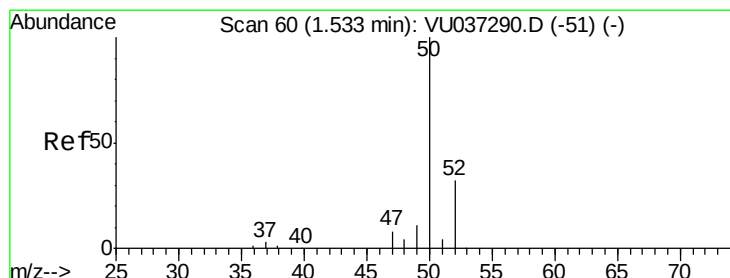
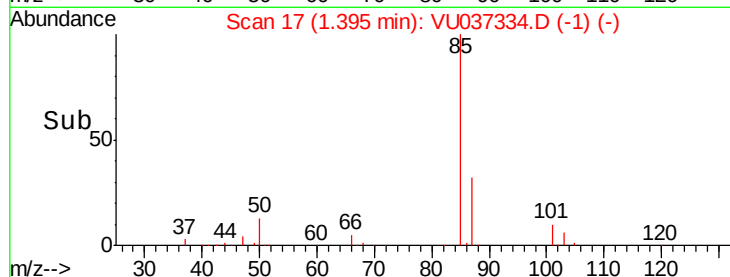
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 4.362 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU037334.D

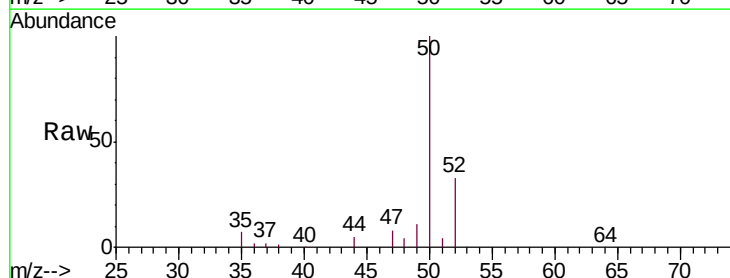
Acq: 19 Mar 2020 09:31

Tgt Ion: 50 Resp: 92839

Ion Ratio Lower Upper

50 100

52 32.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037290.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037290.D (-51) (-)

1.54

100000

80000

60000

40000

20000

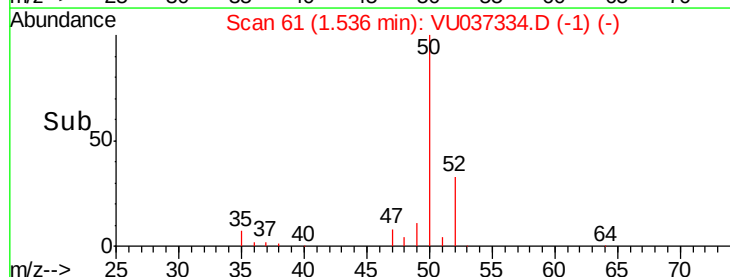
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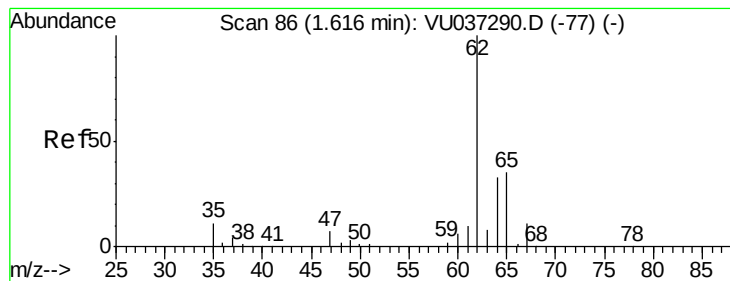
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 4.800 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

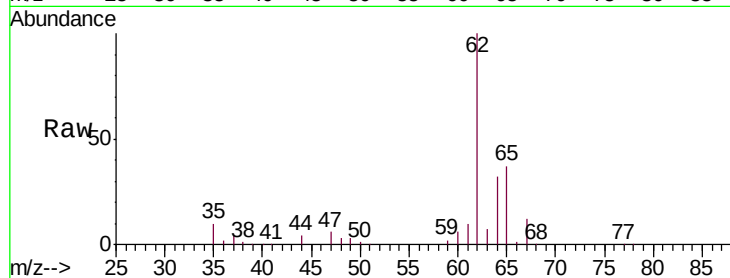
VSTD00513

Tgt Ion: 62 Resp: 91473

Ion Ratio Lower Upper

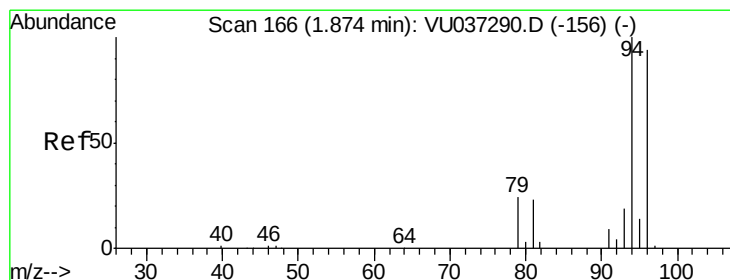
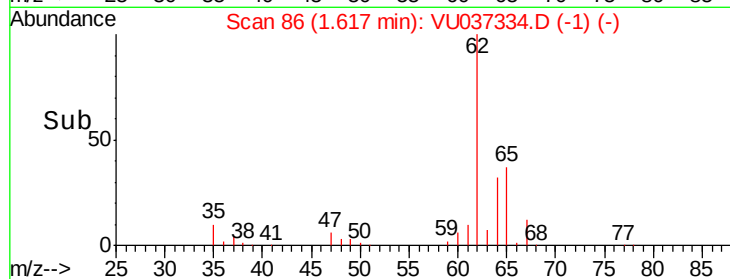
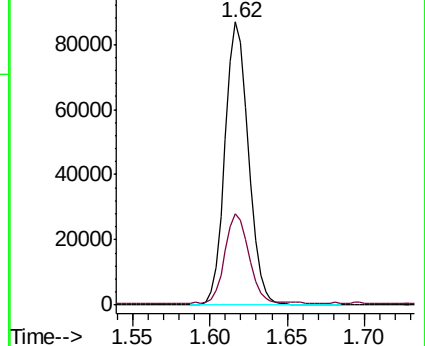
62 100

64 32.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU037290.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU037290.D (-77) (-)



#6

Bromomethane

Concen: 4.749 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037334.D

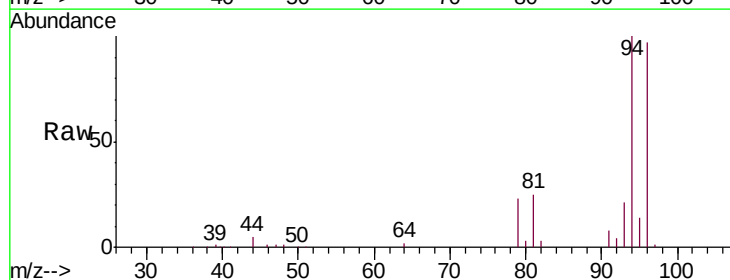
Acq: 19 Mar 2020 09:31

Tgt Ion: 94 Resp: 46023

Ion Ratio Lower Upper

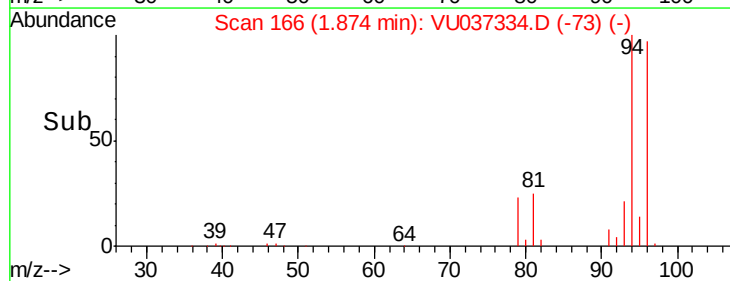
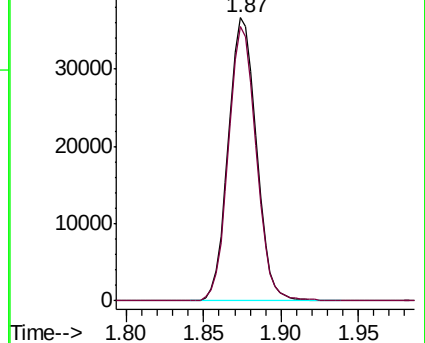
94 100

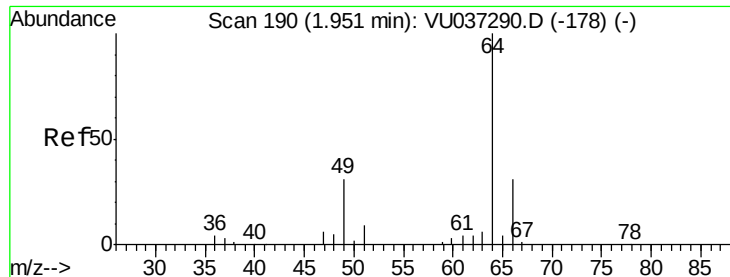
96 97.0 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU037290.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU037290.D (-156) (-)





#8

Chloroethane

Concen: 4.597 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

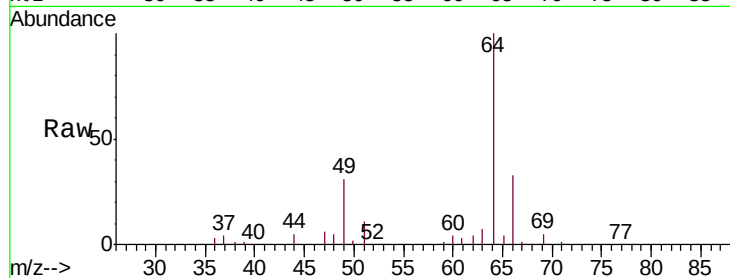
VSTD00513

Tgt Ion: 64 Resp: 50513

Ion Ratio Lower Upper

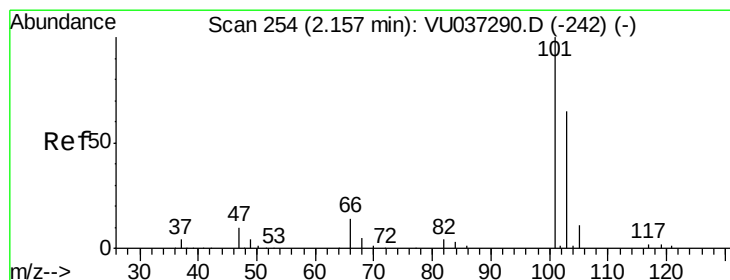
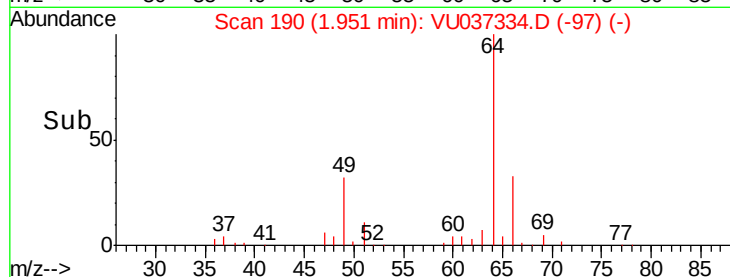
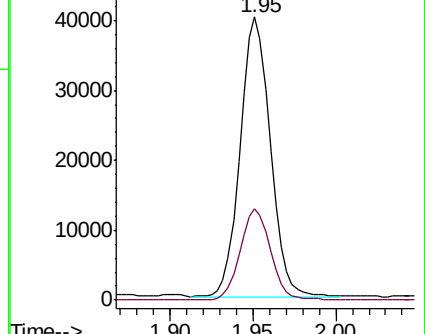
64 100

66 32.5 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VU037290.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037290.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 4.849 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037334.D

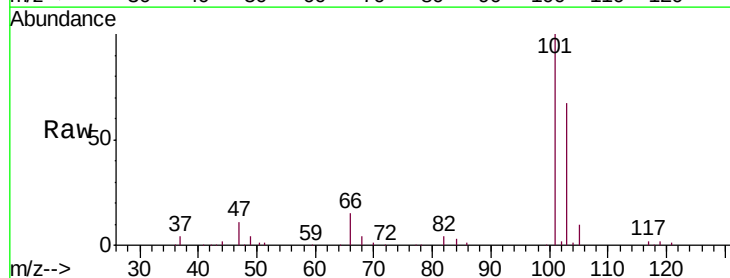
Acq: 19 Mar 2020 09:31

Tgt Ion: 101 Resp: 139369

Ion Ratio Lower Upper

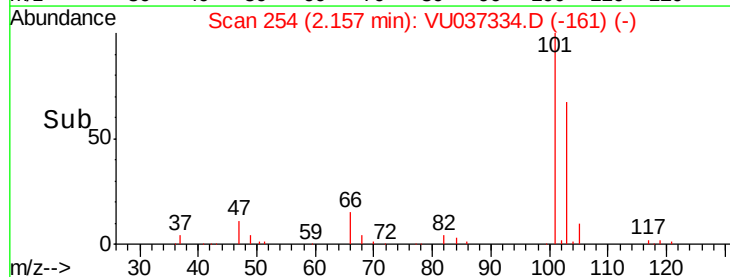
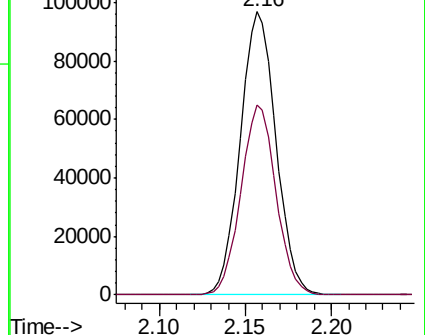
101 100

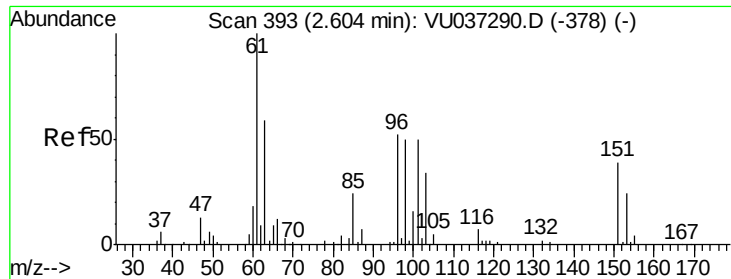
103 65.9 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VU037290.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037290.D (-242) (-)





#10

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

Concen: 4.947 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037334.D

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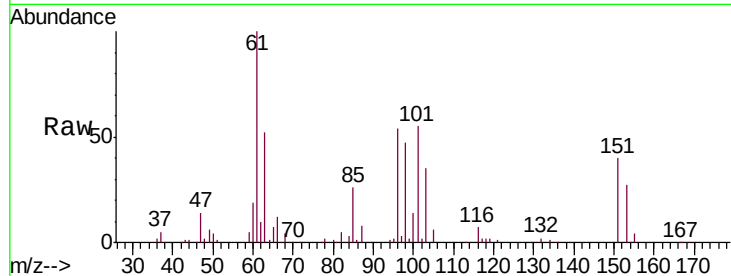
Tgt Ion:101 Resp: 65828

Ion Ratio Lower Upper

101 100

85 47.1 39.1 58.7

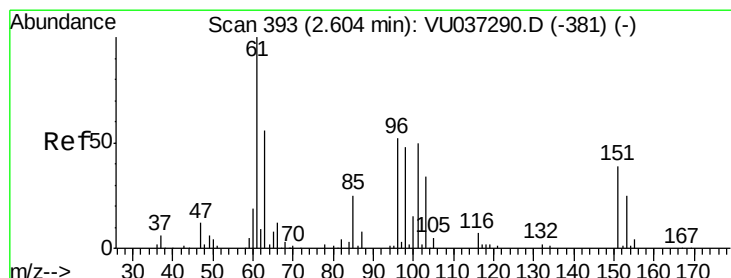
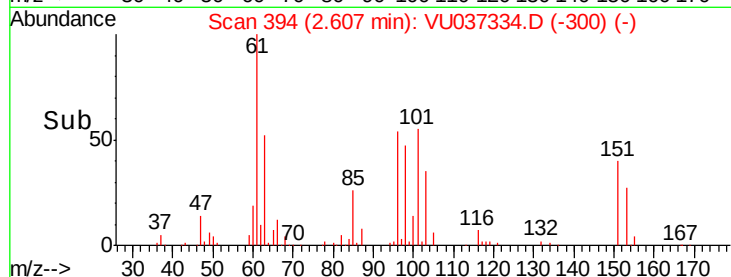
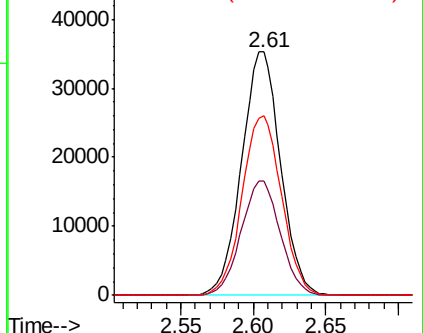
151 74.8 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.929 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

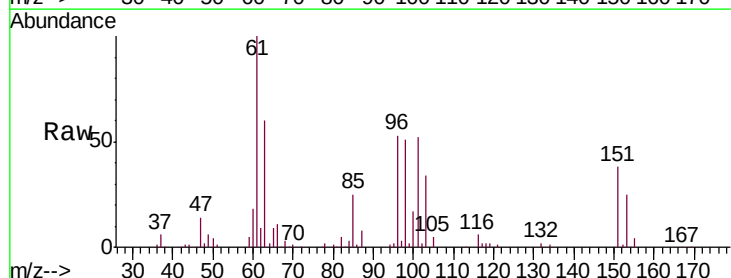
Tgt Ion: 96 Resp: 59197

Ion Ratio Lower Upper

96 100

61 190.0 134.3 249.5

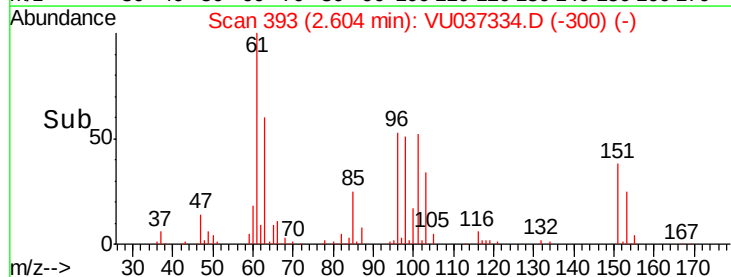
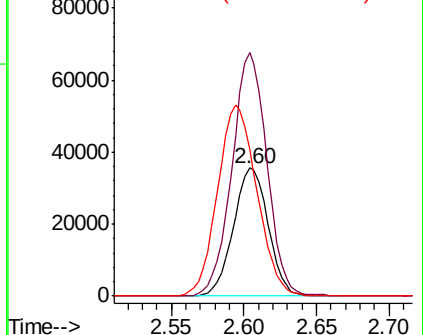
63 114.6 80.3 149.1

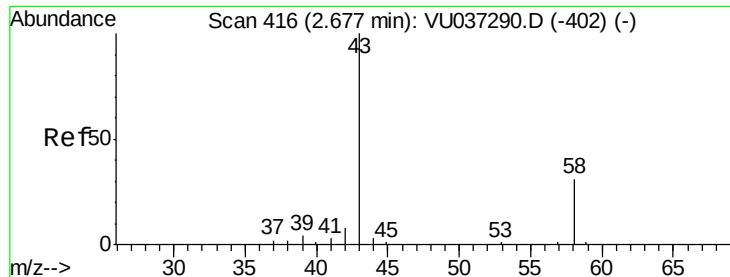


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.018 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

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MSVOA_U

ClientSampleId :

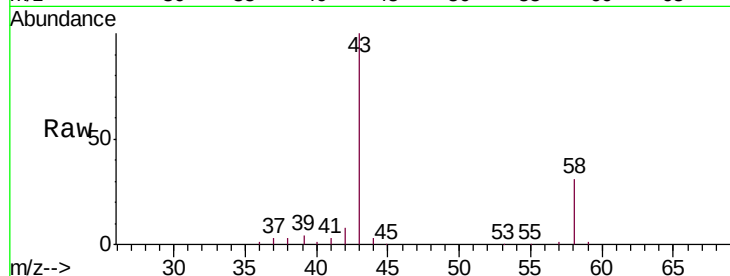
VSTD00513

Tgt Ion: 43 Resp: 129745

Ion Ratio Lower Upper

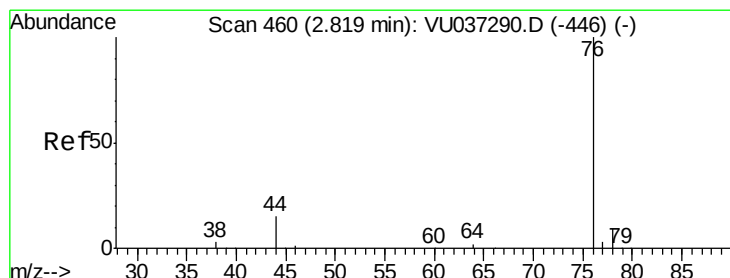
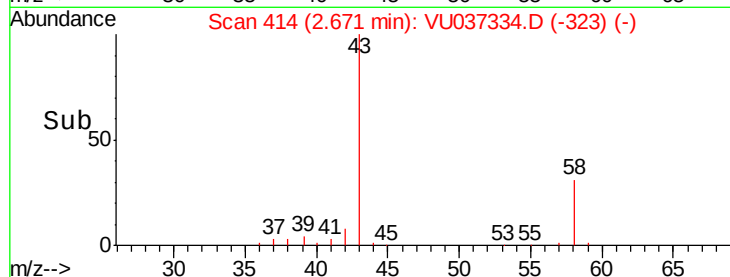
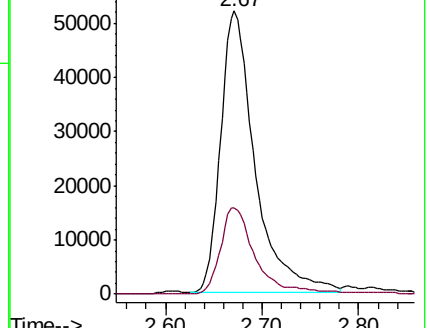
43 100

58 30.5 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037290.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU037290.D (-402) (-)



#14

Carbon disulfide

Concen: 4.721 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037334.D

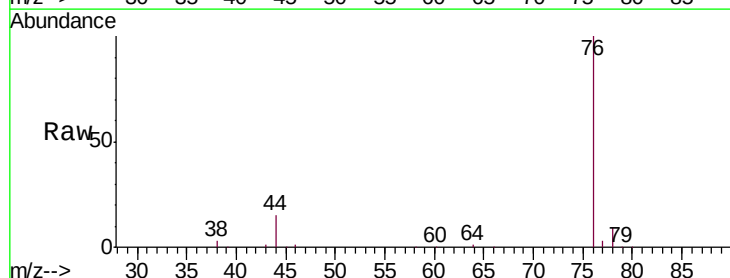
Acq: 19 Mar 2020 09:31

Tgt Ion: 76 Resp: 182778

Ion Ratio Lower Upper

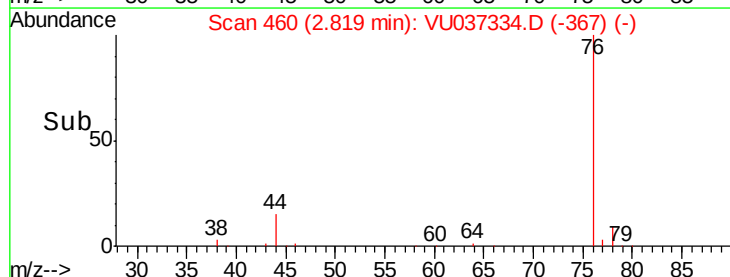
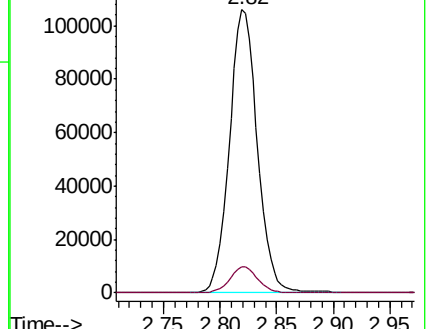
76 100

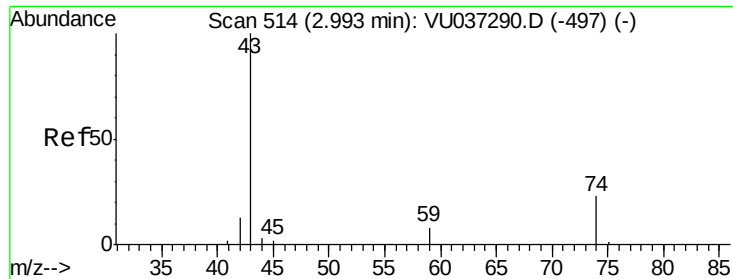
78 9.3 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037290.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU037290.D (-446) (-)

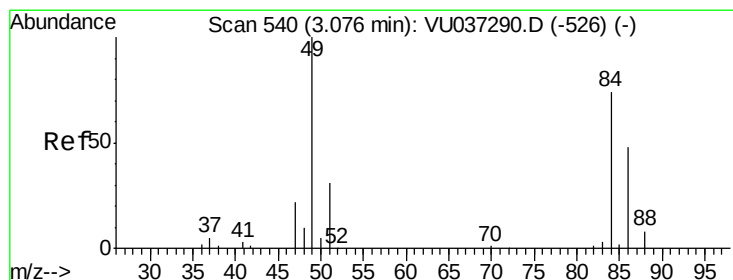
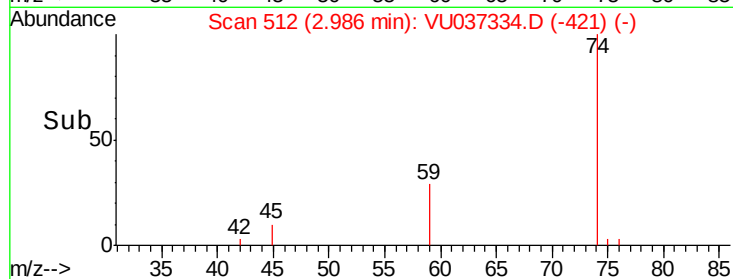
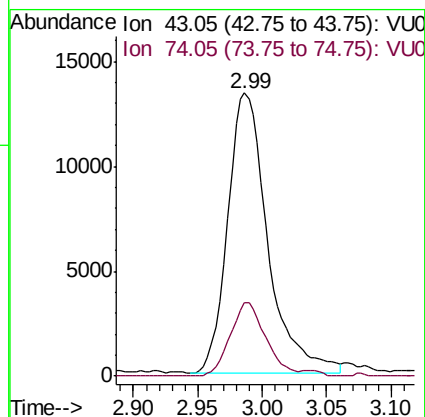
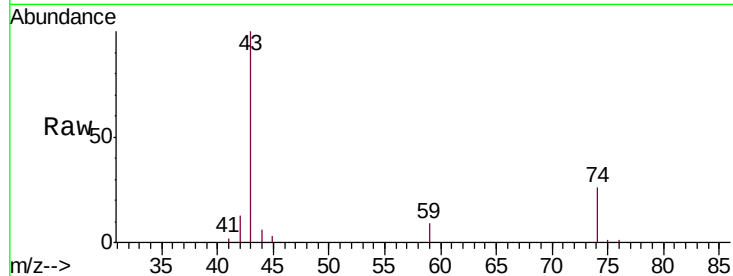




#15
Methyl Acetate
Concen: 5.018 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

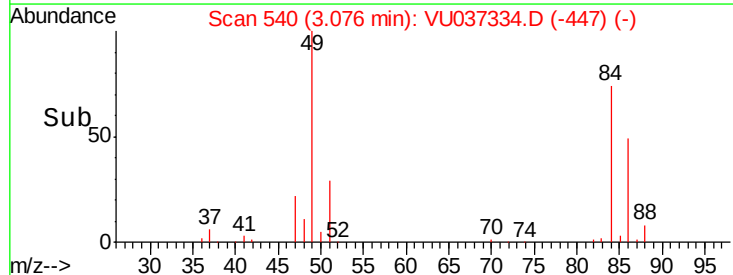
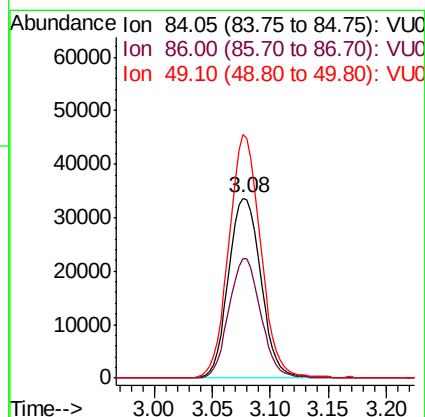
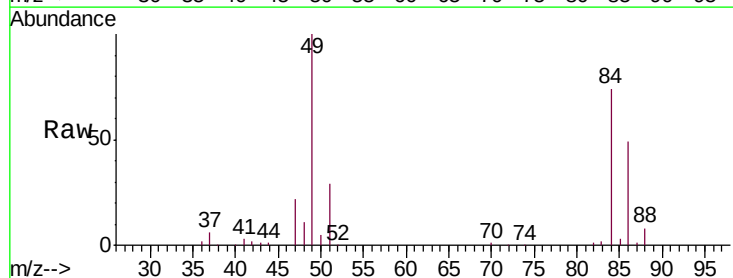
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

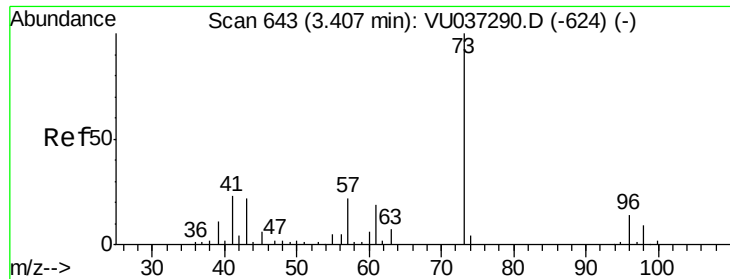
Tgt Ion: 43 Resp: 28781
Ion Ratio Lower Upper
43 100
74 23.4 17.0 25.4



#16
Methylene chloride
Concen: 4.522 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Tgt Ion: 84 Resp: 65355
Ion Ratio Lower Upper
84 100
86 66.1 45.2 84.0
49 135.1 94.4 175.4

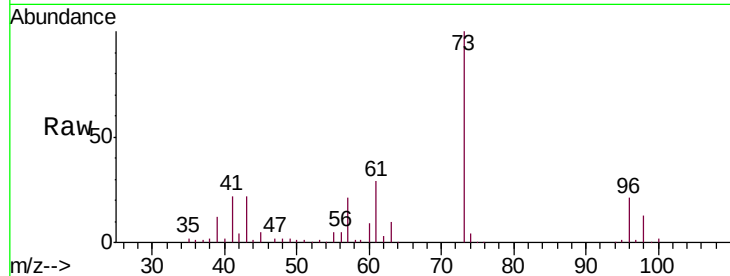




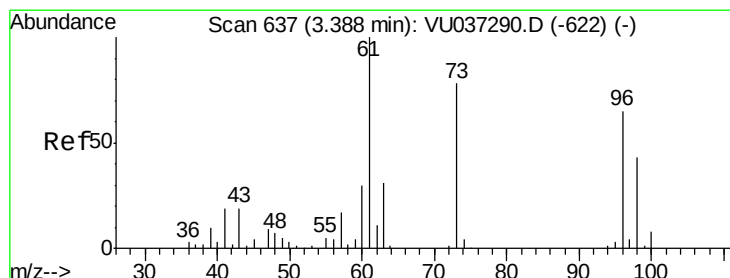
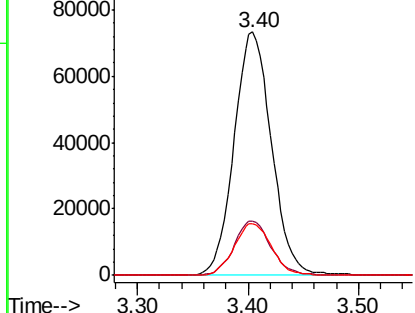
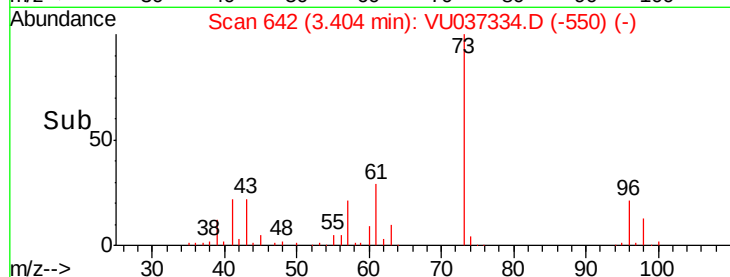
#17
Methyl tert-butyl Ether
Concen: 4.984 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tgt Ion: 73 Resp: 172101
Ion Ratio Lower Upper
73 100
43 22.4 18.6 28.0
57 21.3 17.1 25.7

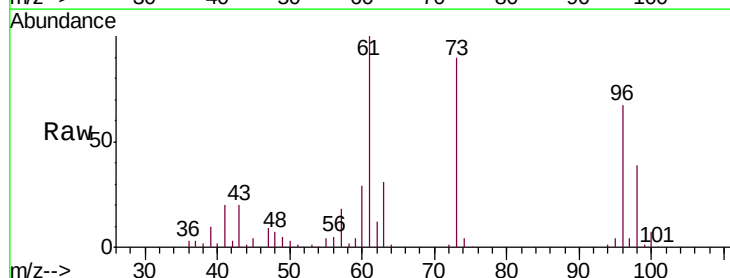


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

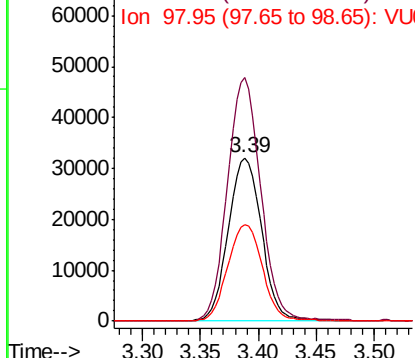
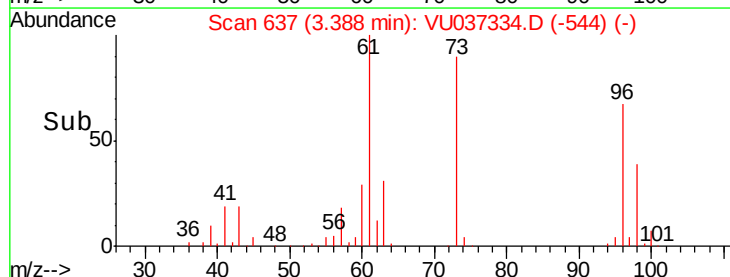


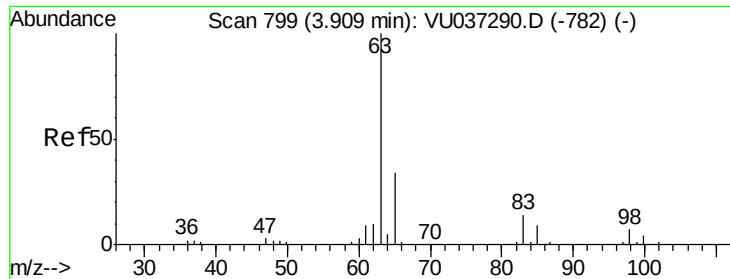
#18
trans-1,2-Dichloroethene
Concen: 4.946 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Tgt Ion: 96 Resp: 64026
Ion Ratio Lower Upper
96 100
61 149.3 107.5 199.7
98 59.0 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

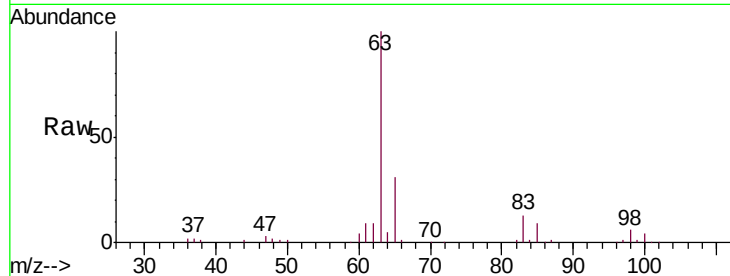




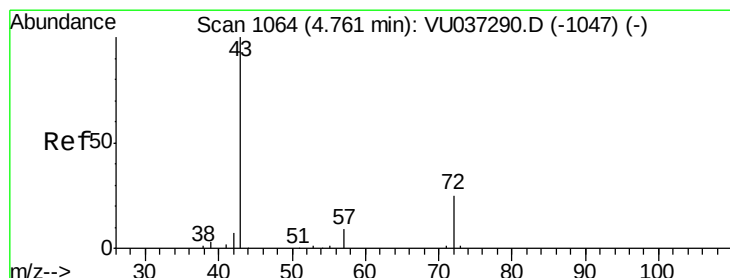
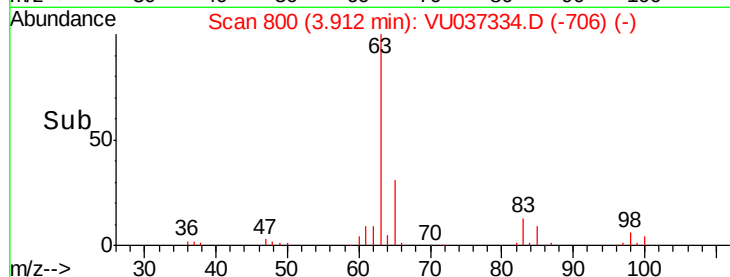
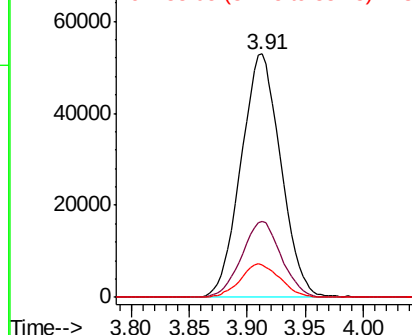
#19
 1,1-Dichloroethane
 Concen: 4.846 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion: 63 Resp: 126363
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.1 44.7
 83 13.3 10.1 18.9

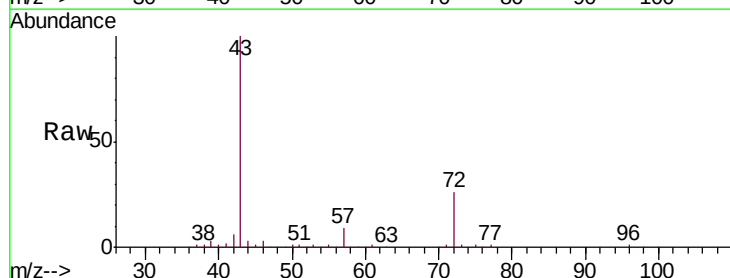


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

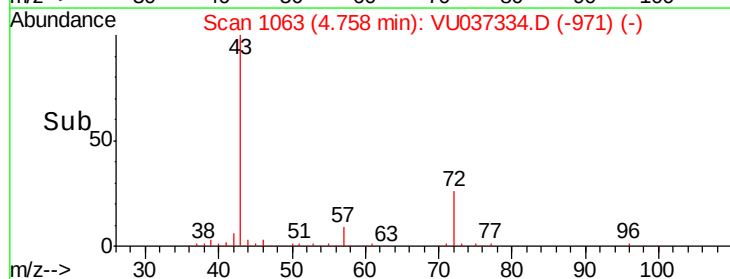
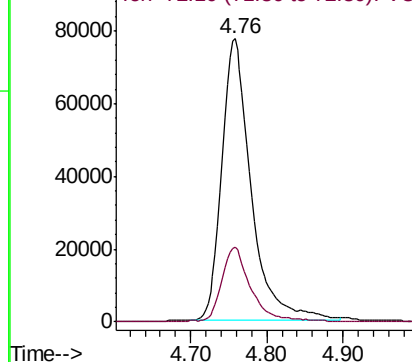


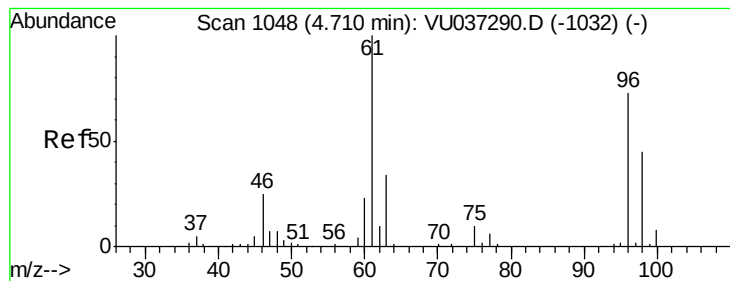
#21
 2-Butanone
 Concen: 52.626 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 43 Resp: 209615
 Ion Ratio Lower Upper
 43 100
 72 25.9 12.5 37.5



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





#22

cis-1,2-Dichloroethene

Concen: 5.017 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

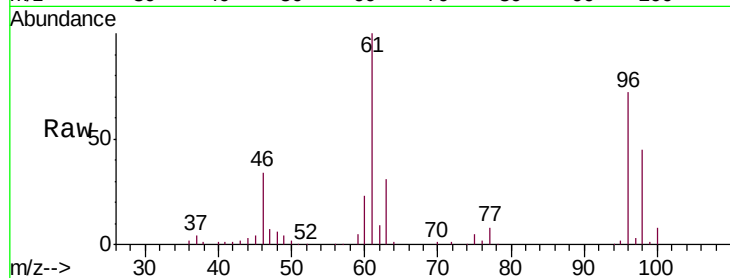
Tgt Ion: 96 Resp: 72051

Ion Ratio Lower Upper

96 100

61 139.3 95.8 178.0

68 0.0 0.0 0.0

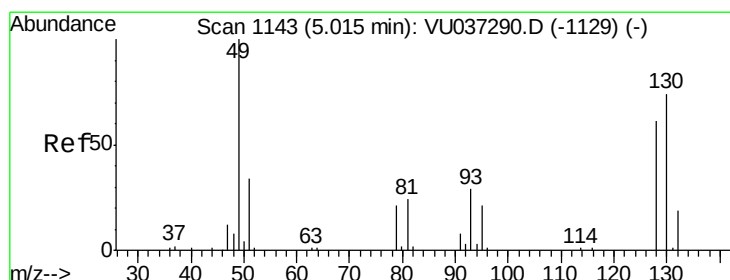
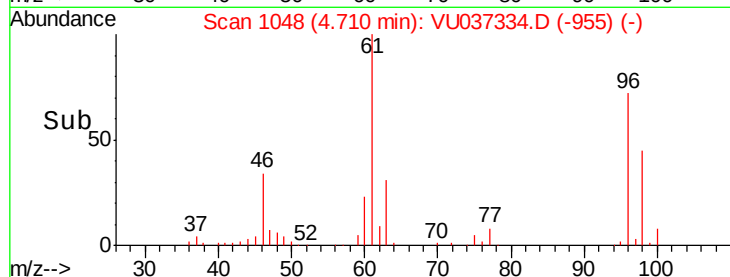
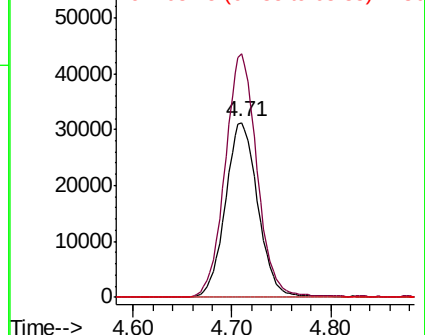


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.805 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Tgt Ion: 128 Resp: 31259

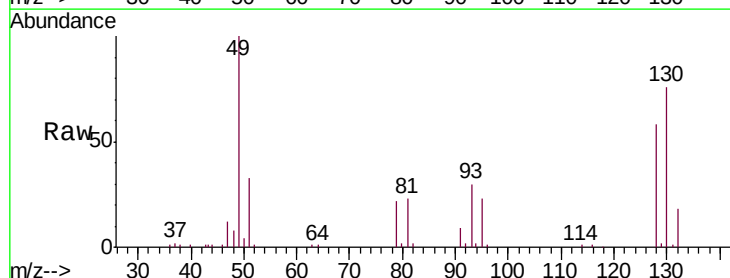
Ion Ratio Lower Upper

128 100

49 171.6 116.7 216.7

130 130.7 85.3 158.5

51 55.9 44.6 66.8



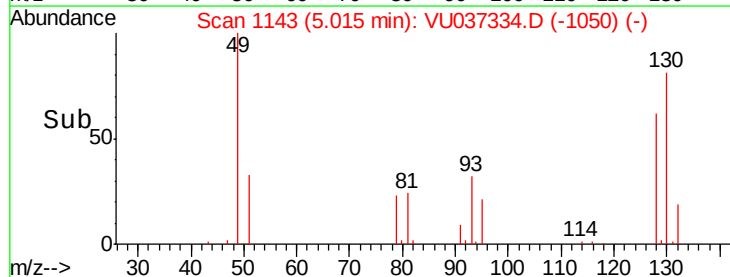
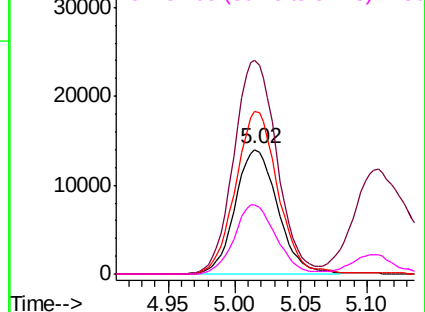
Abundance

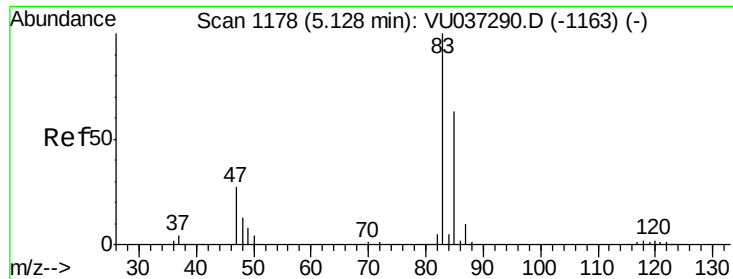
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

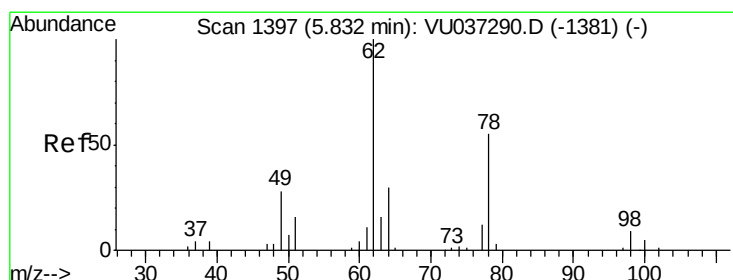
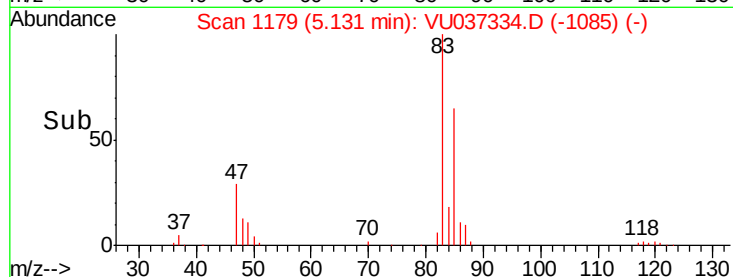
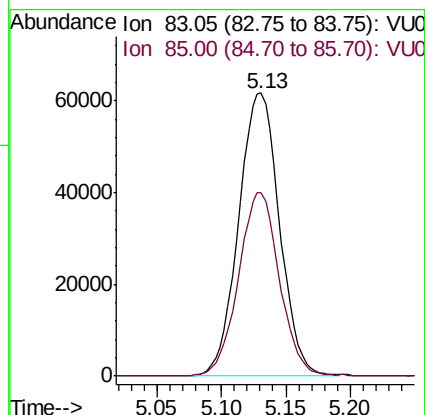
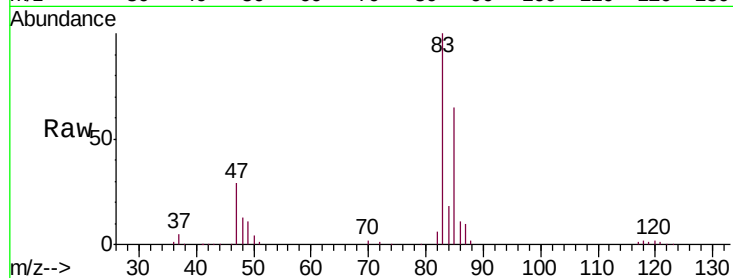




#25
Chloroform
Concen: 4.801 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

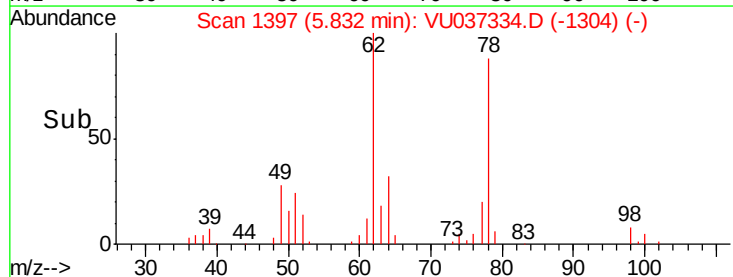
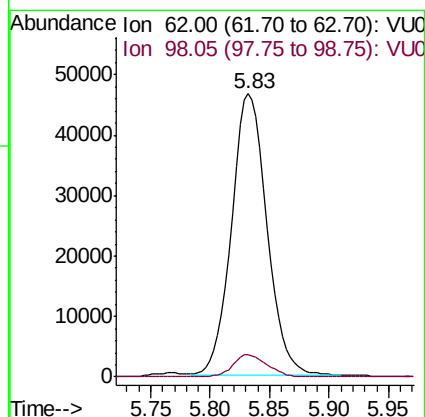
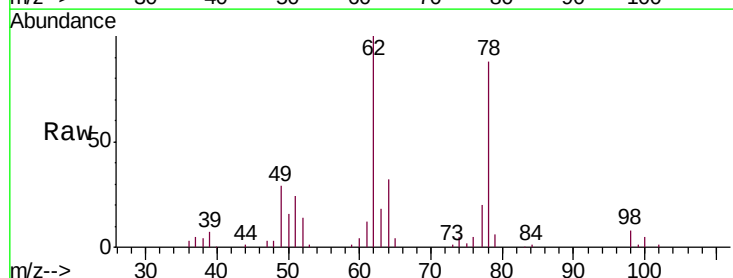
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

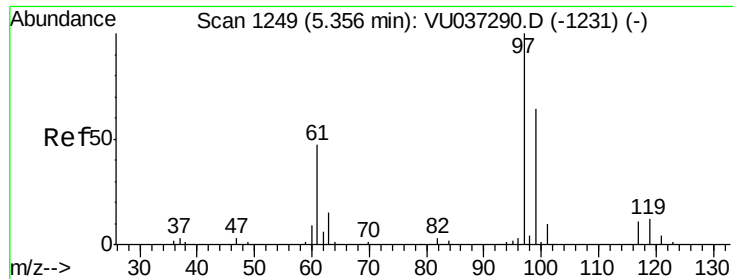
Tgt Ion: 83 Resp: 136289
Ion Ratio Lower Upper
83 100
85 64.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.826 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Tgt Ion: 62 Resp: 96264
Ion Ratio Lower Upper
62 100
98 7.8 6.8 10.2

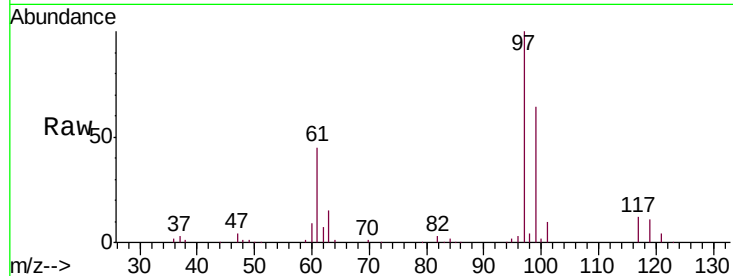




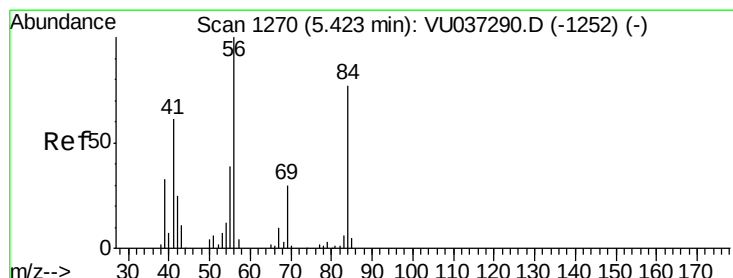
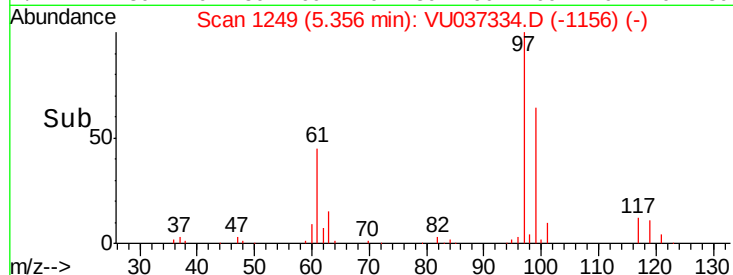
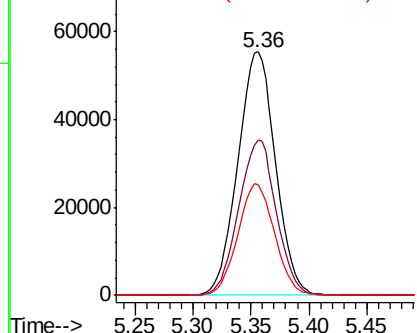
#29
 1,1,1-Trichloroethane
 Concen: 4.906 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion: 97 Resp: 124938
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.6 76.0
 61 44.8 36.8 55.2

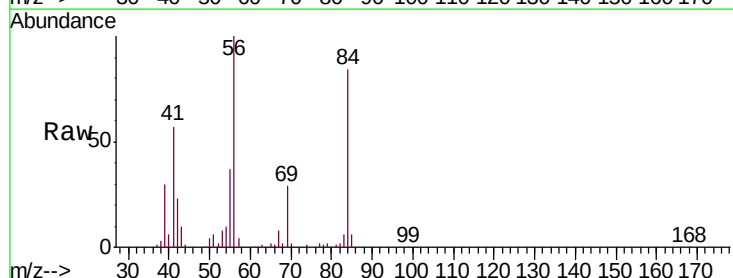


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

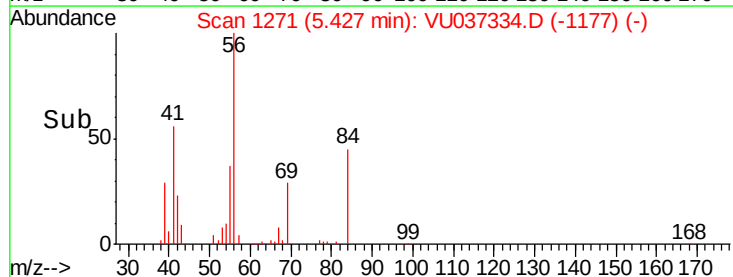
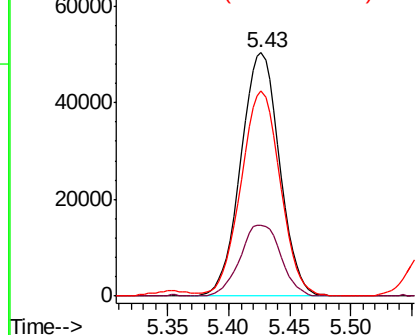


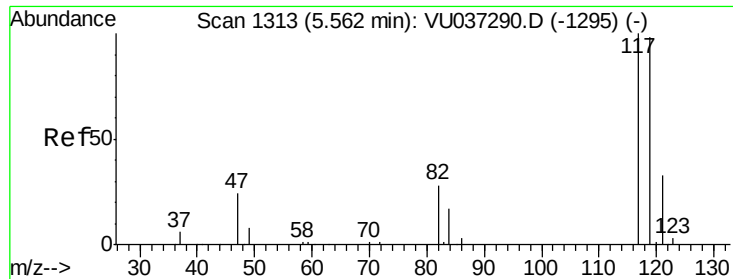
#30
 Cyclohexane
 Concen: 4.832 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 56 Resp: 110252
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.3 36.5
 84 86.1 66.6 100.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.997 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

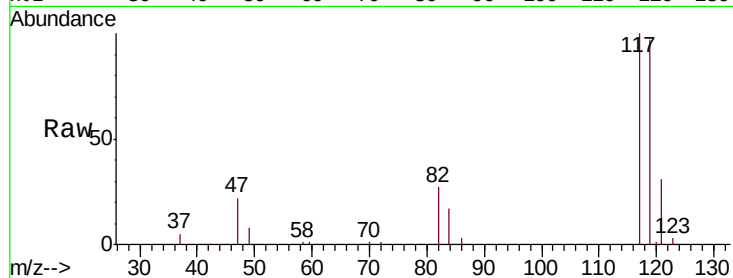
VSTD00513

Tgt Ion:117 Resp: 111963

Ion Ratio Lower Upper

117 100

119 94.6 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

60000

50000

40000

30000

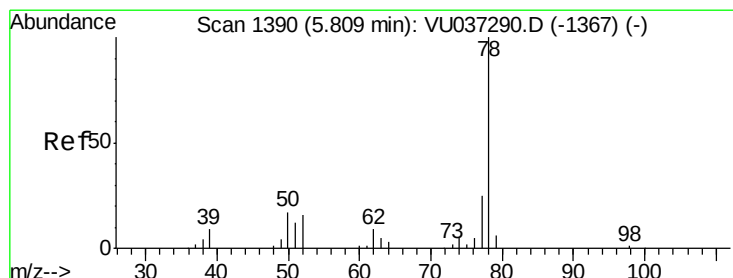
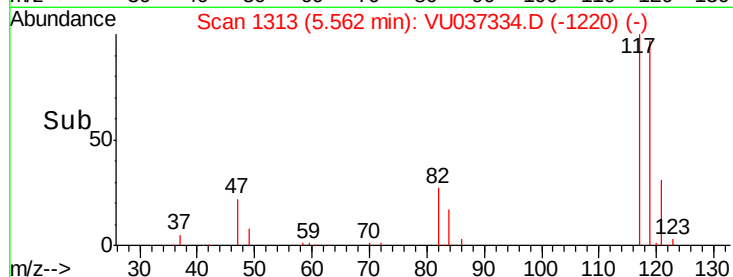
20000

10000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 4.878 ug/L

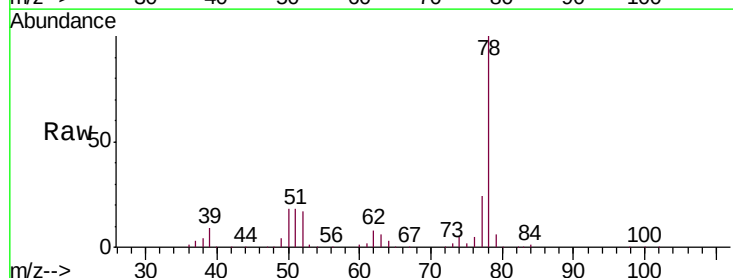
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Tgt Ion: 78 Resp: 272768



Abundance Ion 78.10 (77.80 to 78.80): VU0

150000

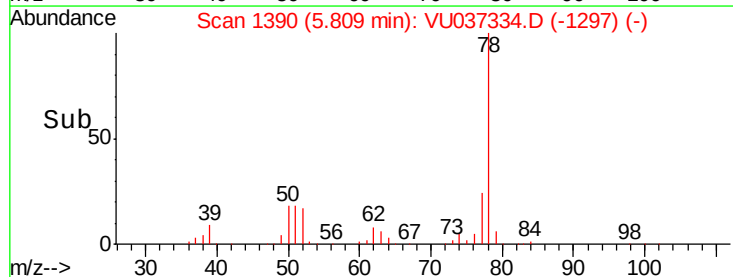
100000

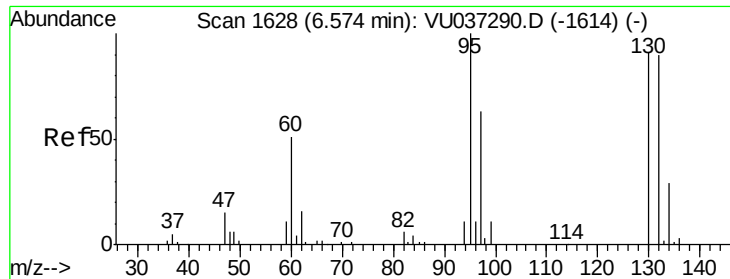
50000

0

Time-->

5.70 5.80 5.90 6.00

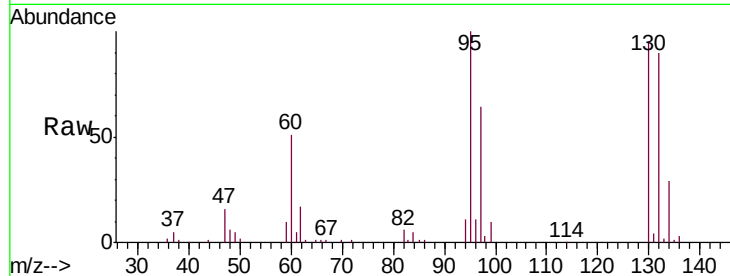




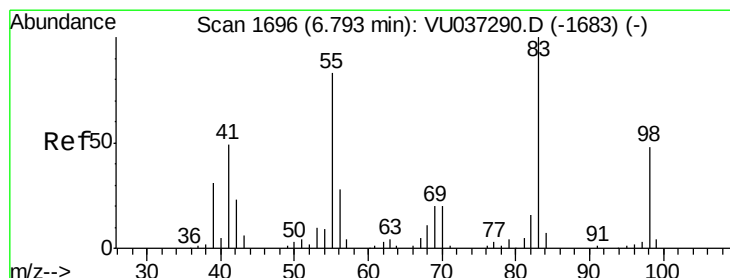
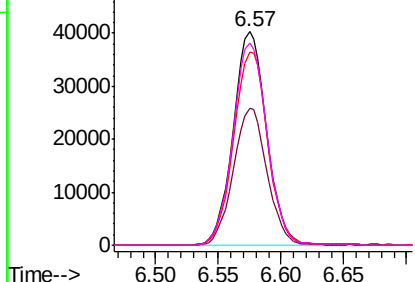
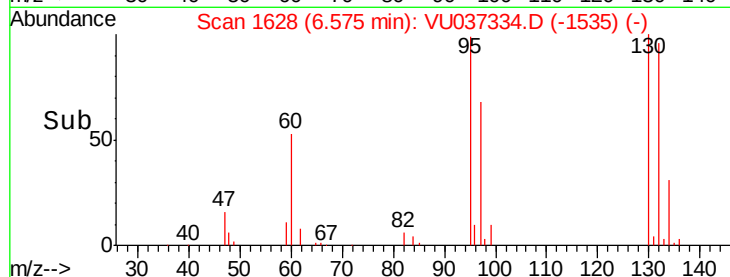
#34
 Trichloroethene
 Concen: 4.890 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion: 95 Resp: 74709
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.3 82.3
 132 90.5 63.2 117.4
 130 94.7 64.0 119.0

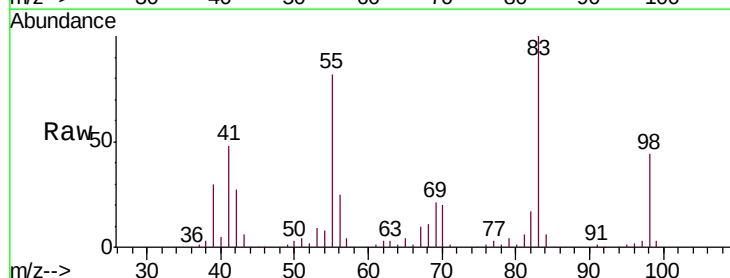


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

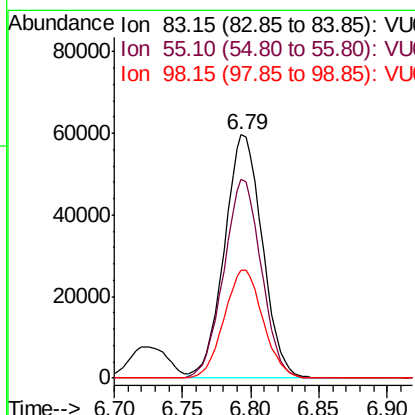
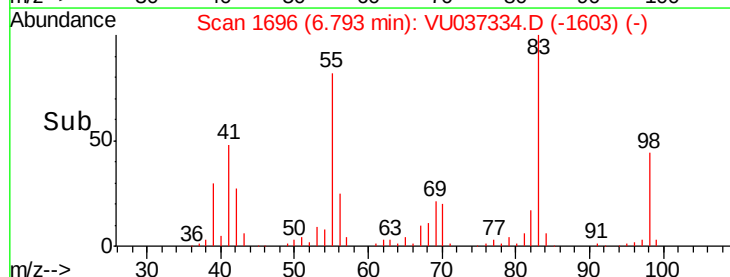


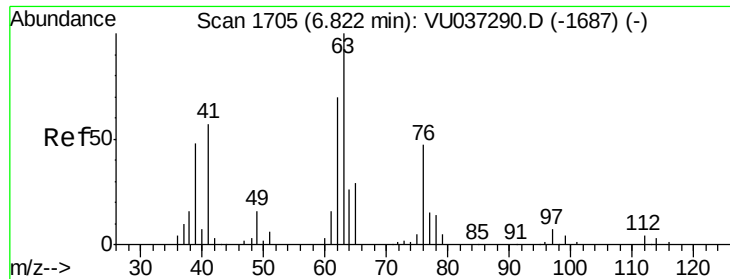
#35
 Methylcyclohexane
 Concen: 4.983 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 83 Resp: 115138
 Ion Ratio Lower Upper
 83 100
 55 80.6 67.0 100.6
 98 45.4 37.4 56.0



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

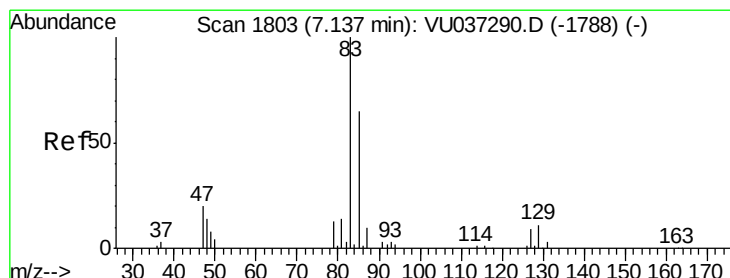
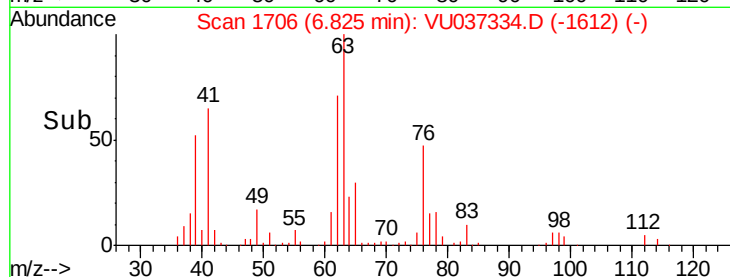
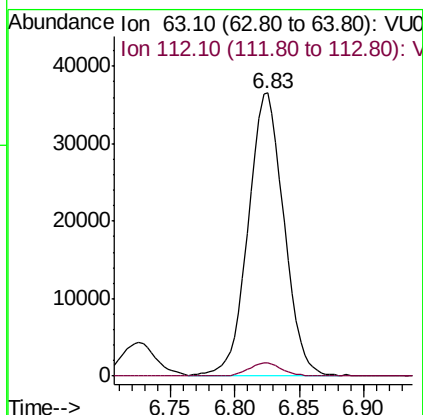
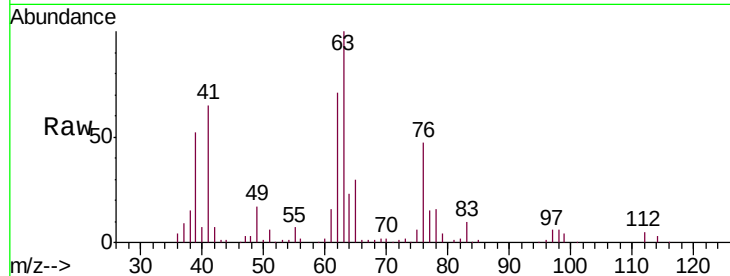




#37
 1,2-Dichloropropane
 Concen: 4.756 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

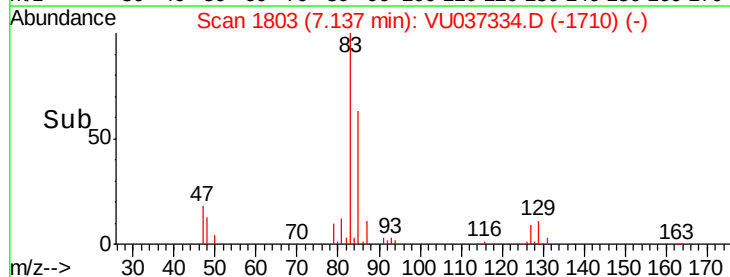
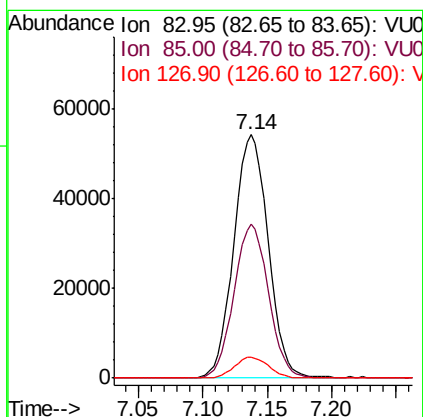
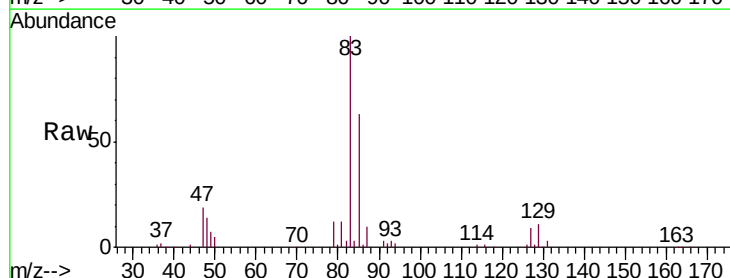
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

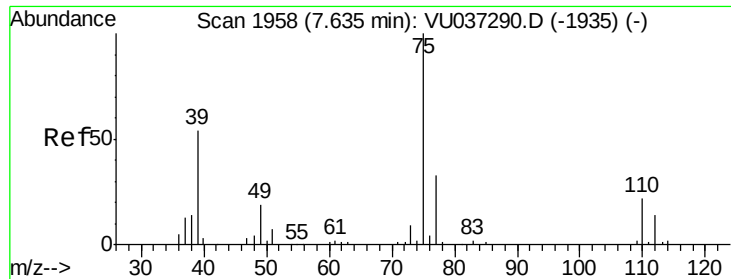
Tgt Ion: 63 Resp: 70341
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.855 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 83 Resp: 101033
 Ion Ratio Lower Upper
 83 100
 85 63.1 45.8 85.0
 127 8.8 7.0 10.6

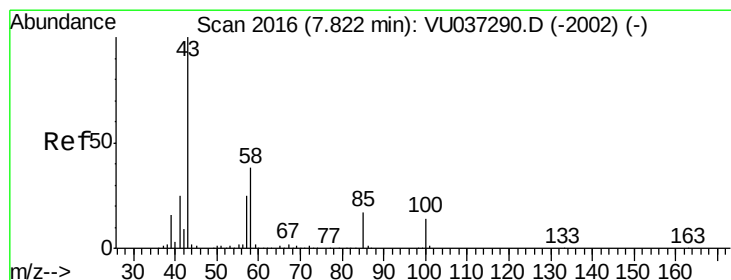
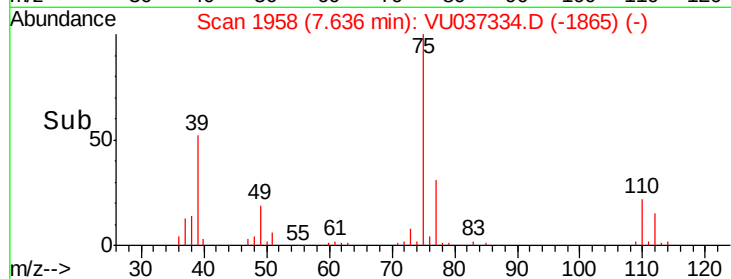
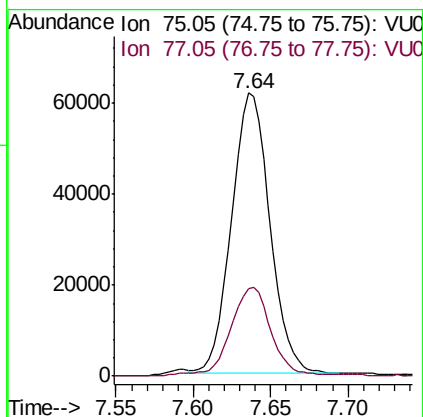
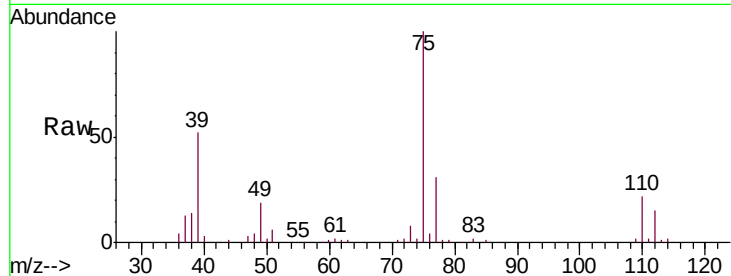




#39
 cis-1,3-Dichloropropene
 Concen: 4.787 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

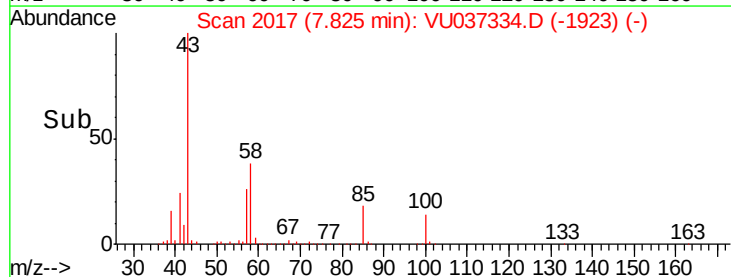
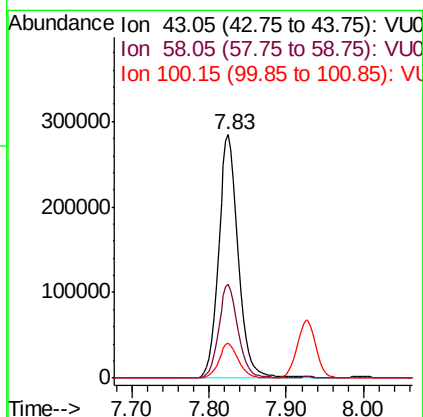
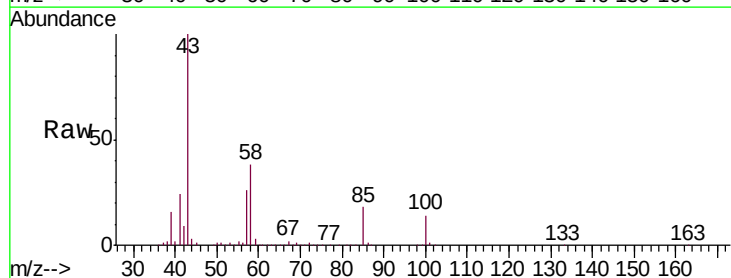
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

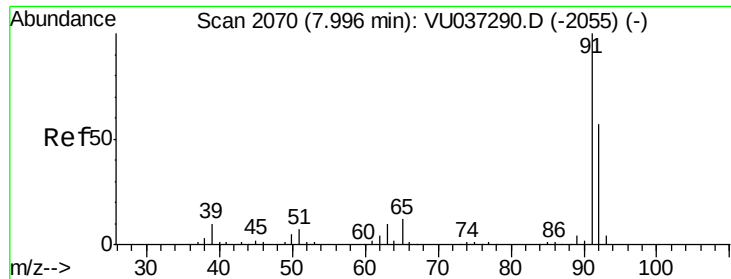
Tgt Ion: 75 Resp: 106424
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 50.977 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 43 Resp: 508423
 Ion Ratio Lower Upper
 43 100
 58 38.1 29.8 44.8
 100 14.1 11.3 16.9





#42

Toluene

Concen: 5.061 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

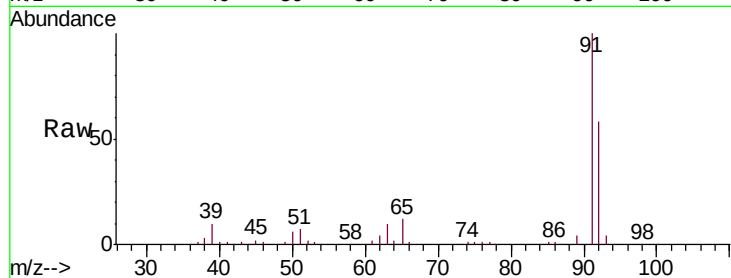
VSTD00513

Tgt Ion: 91 Resp: 305116

Ion Ratio Lower Upper

91 100

92 58.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037290.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU037290.D (-2055) (-)

8.00

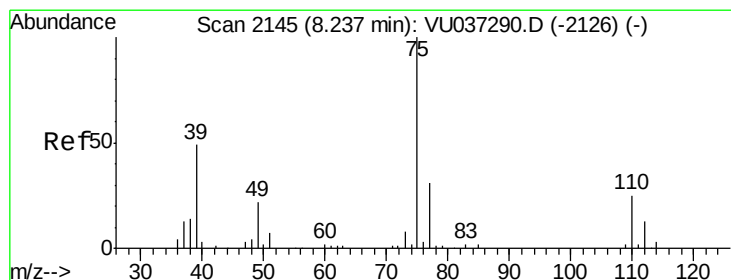
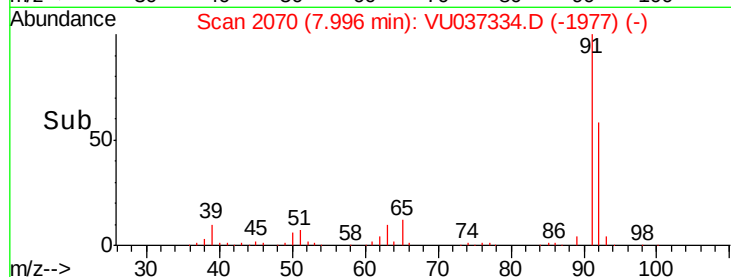
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.138 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037334.D

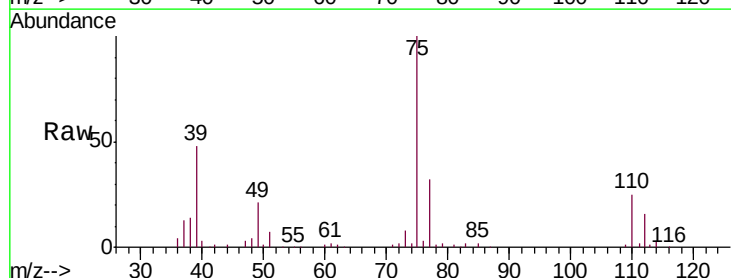
Acq: 19 Mar 2020 09:31

Tgt Ion: 75 Resp: 95822

Ion Ratio Lower Upper

75 100

77 32.5 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU037290.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU037290.D (-2126) (-)

8.24

60000

50000

40000

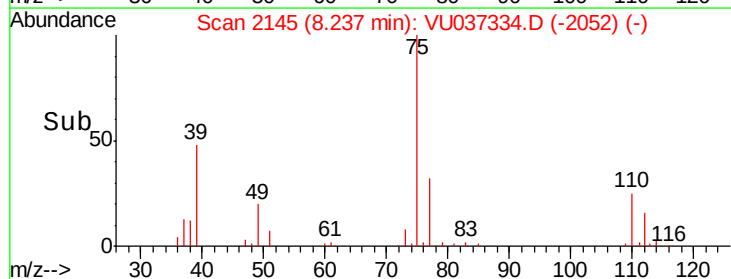
30000

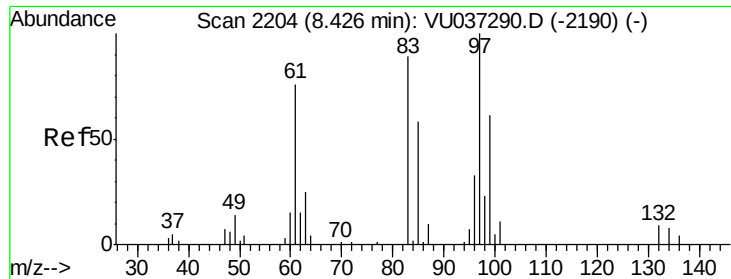
20000

10000

0

Time-->

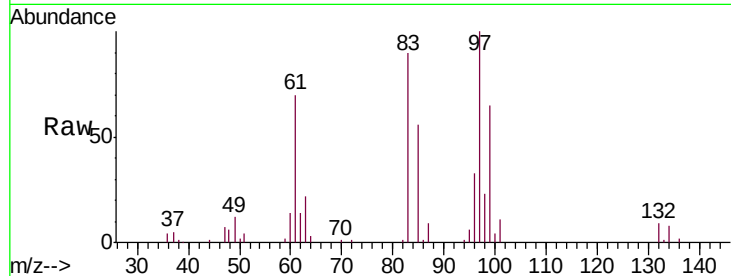




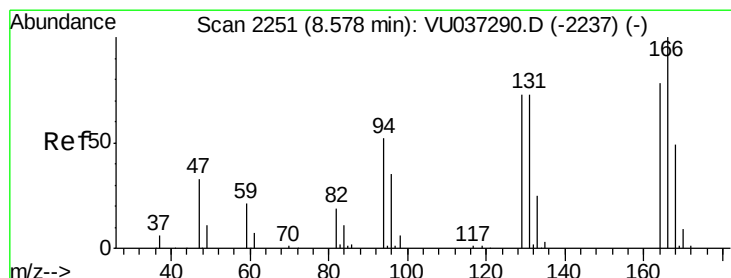
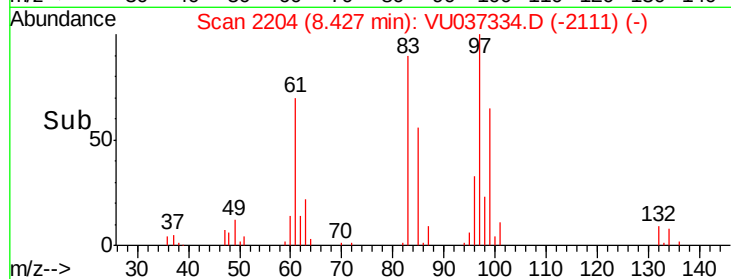
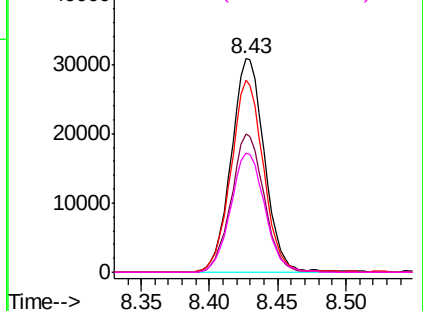
#45
 1,1,2-Trichloroethane
 Concen: 4.885 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion:	97	Resp:	52096
Ion	Ratio	Lower	Upper
97	100		
99	65.0	42.8	79.6
83	89.7	62.4	115.8
85	55.9	40.7	75.7

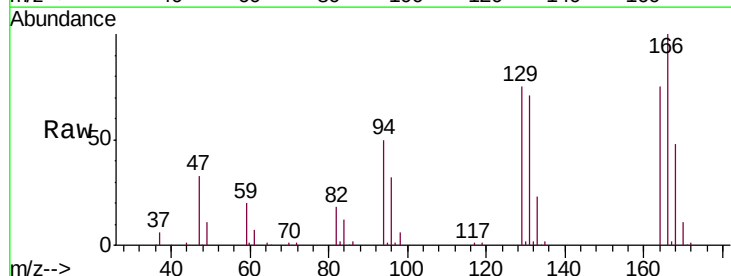


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

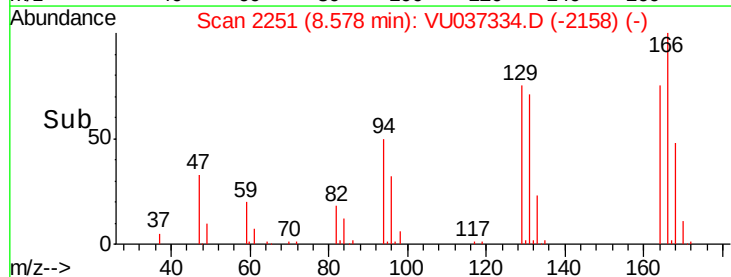
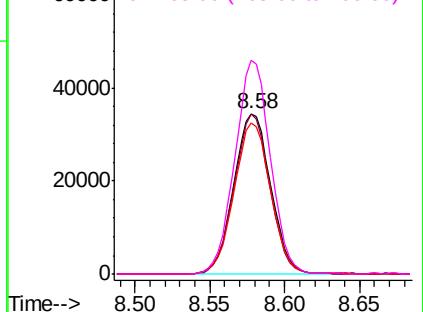


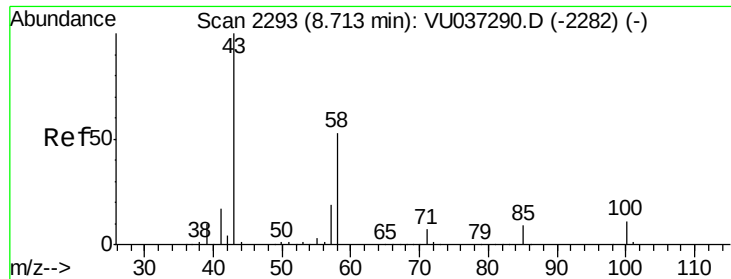
#47
 Tetrachloroethene
 Concen: 4.998 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion:	164	Resp:	59306
Ion	Ratio	Lower	Upper
164	100		
129	99.6	65.8	122.2
131	94.0	65.1	120.9
166	133.2	89.7	166.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

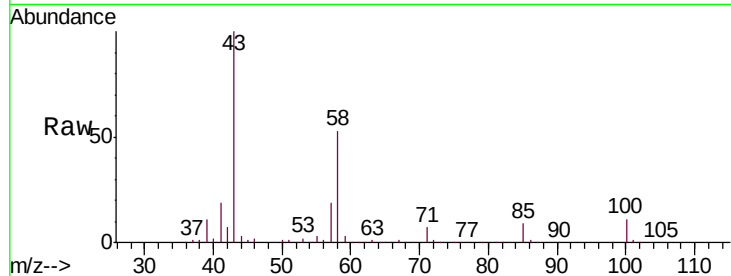




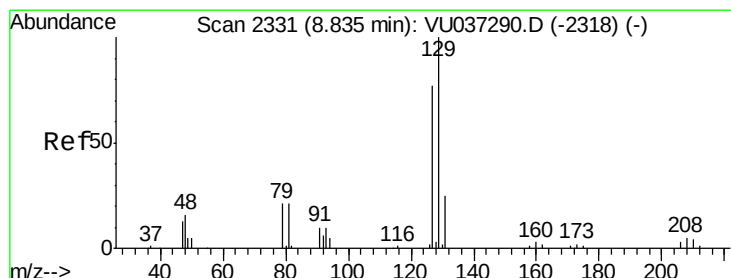
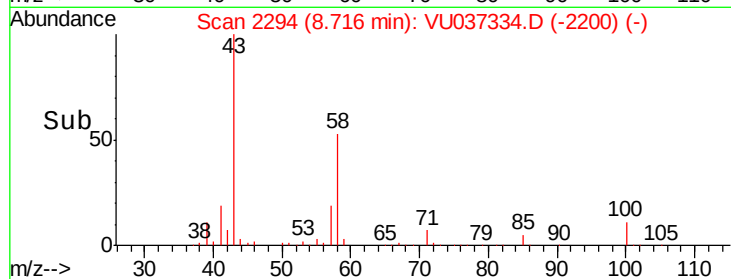
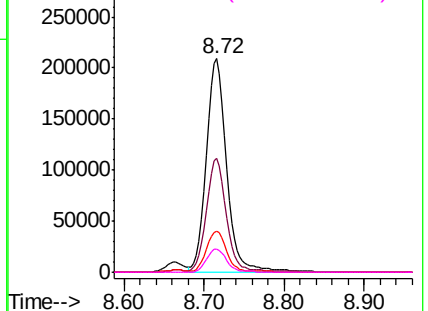
#48
2-Hexanone
Concen: 50.836 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tgt Ion: 43 Resp: 372300
Ion Ratio Lower Upper
43 100
58 52.9 41.9 62.9
57 18.7 14.7 22.1
100 11.2 8.6 13.0

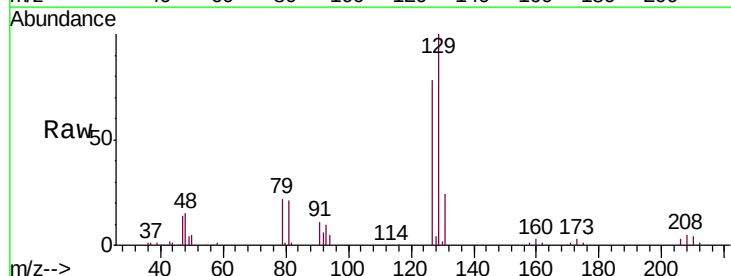


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

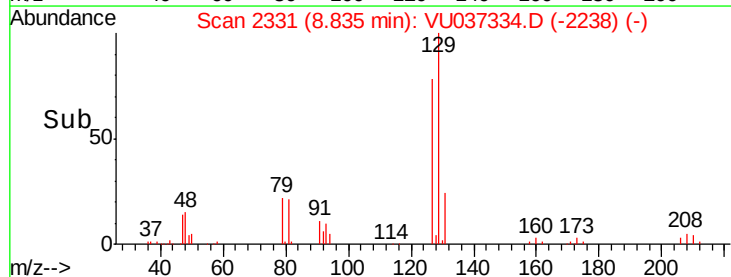
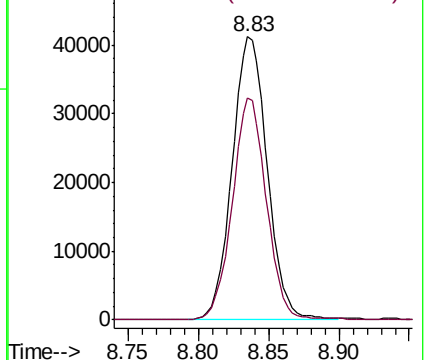


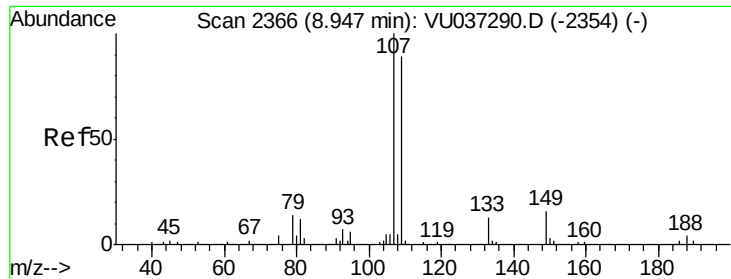
#49
Dibromochloromethane
Concen: 5.166 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Tgt Ion: 129 Resp: 71843
Ion Ratio Lower Upper
129 100
127 78.4 53.6 99.6



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

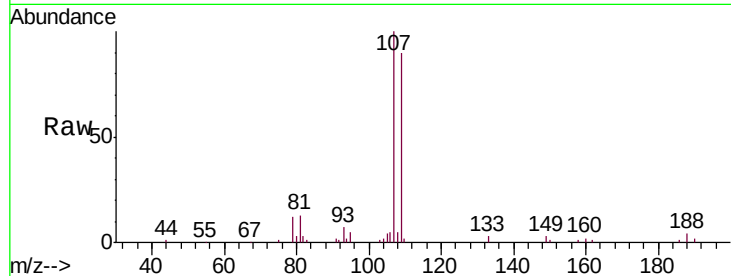




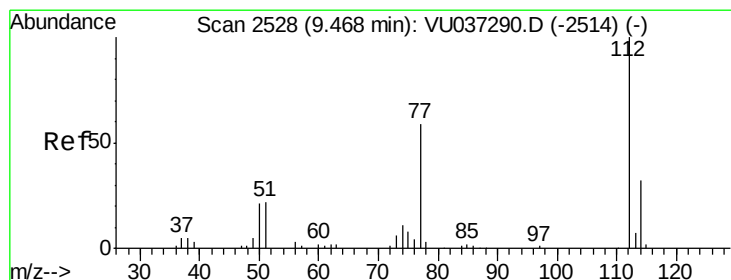
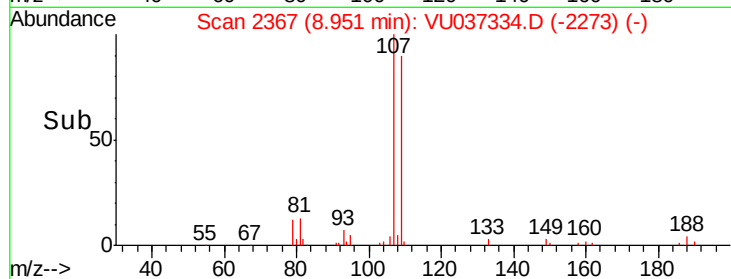
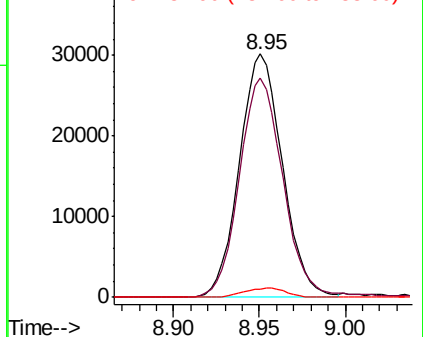
#50
1,2-Dibromoethane
Concen: 5.063 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tgt Ion:107 Resp: 52465
Ion Ratio Lower Upper
107 100
109 89.8 62.3 115.7
188 3.5 3.0 4.6

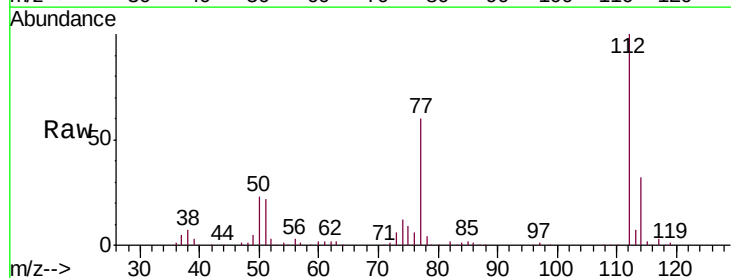


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

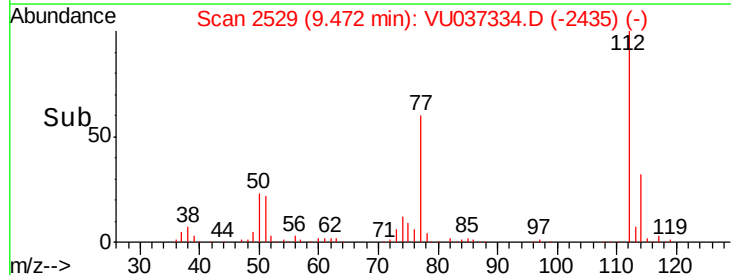
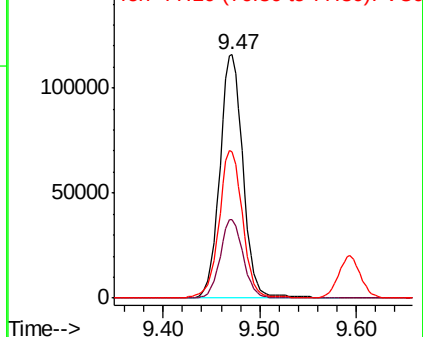


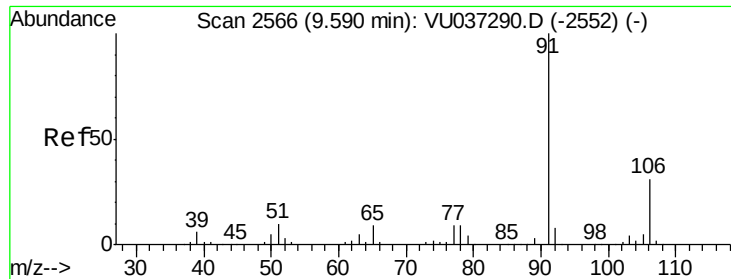
#51
Chlorobenzene
Concen: 4.937 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. 0.00 min
Lab File: VU037334.D
Acq: 19 Mar 2020 09:31

Tgt Ion:112 Resp: 192097
Ion Ratio Lower Upper
112 100
114 32.4 22.1 41.1
77 60.0 47.8 71.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.955 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

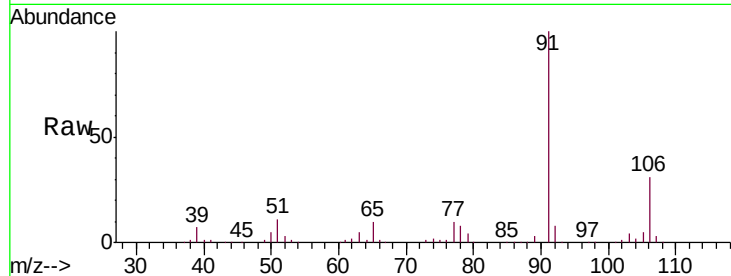
VSTD00513

Tgt Ion: 91 Resp: 338907

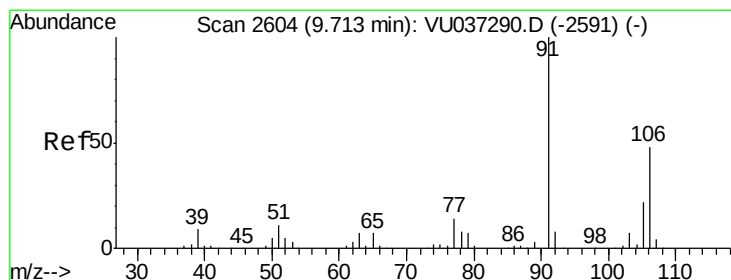
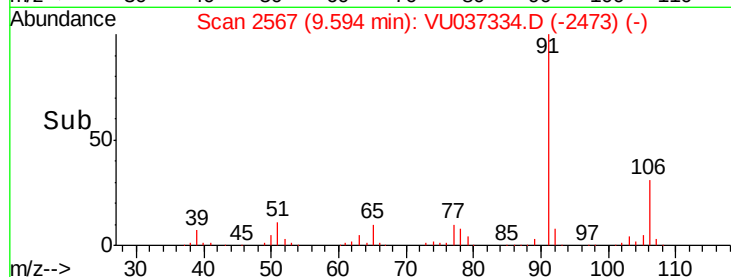
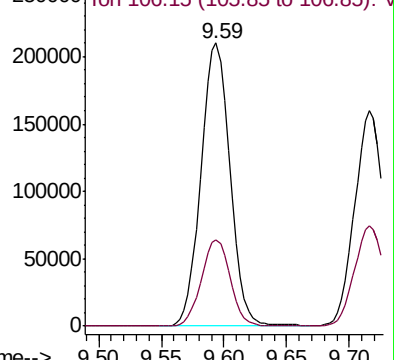
Ion Ratio Lower Upper

91 100

106 30.7 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037290.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.049 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VU037334.D

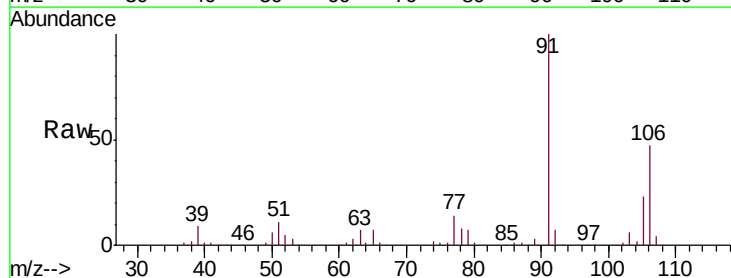
Acq: 19 Mar 2020 09:31

Tgt Ion: 106 Resp: 127021

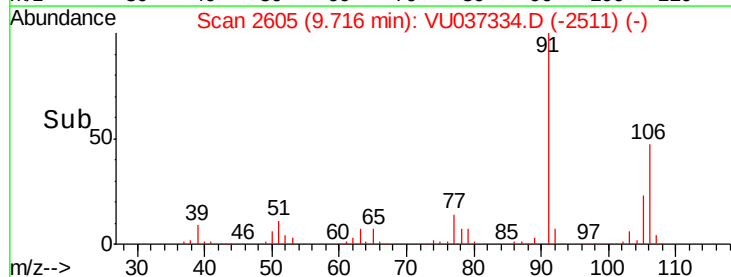
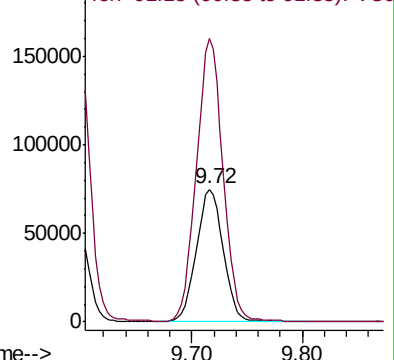
Ion Ratio Lower Upper

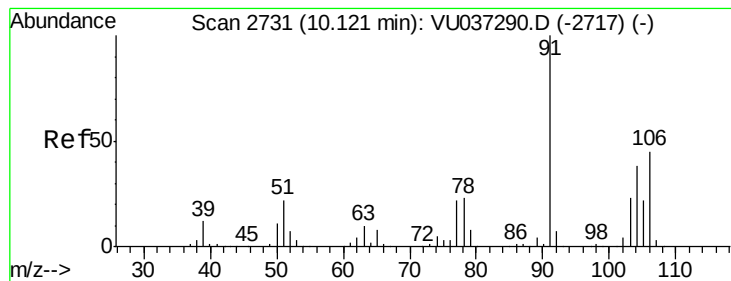
106 100

91 213.3 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037290.D (-2591) (-)





#54

o-Xylene

Concen: 5.133 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

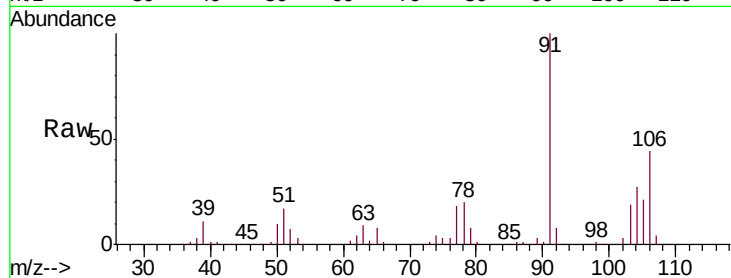
VSTD00513

Tgt Ion:106 Resp: 123270

Ion Ratio Lower Upper

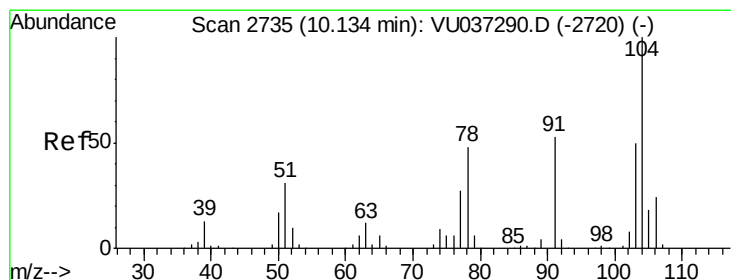
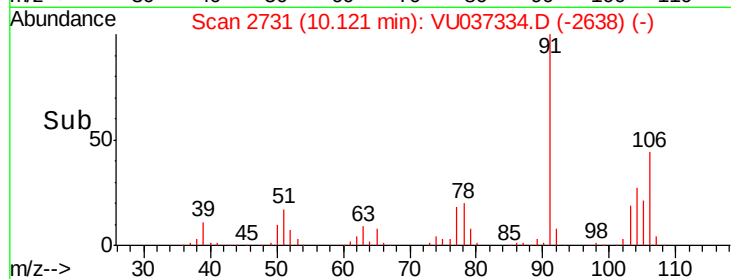
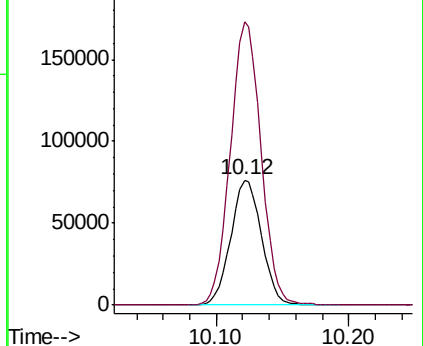
106 100

91 226.5 155.8 289.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.132 ug/L

RT: 10.14 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VU037334.D

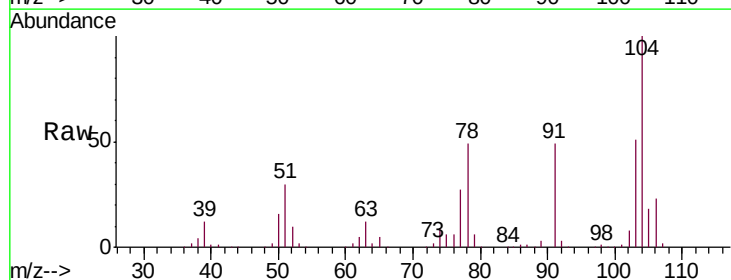
Acq: 19 Mar 2020 09:31

Tgt Ion:104 Resp: 207401

Ion Ratio Lower Upper

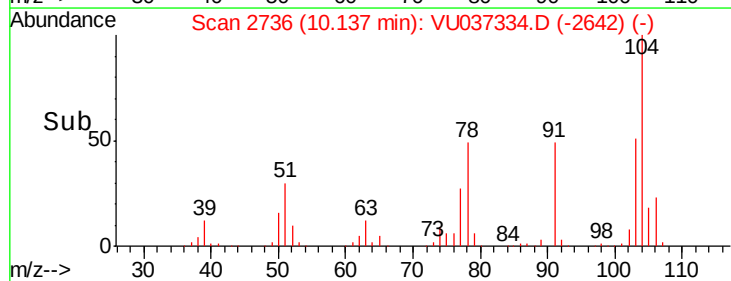
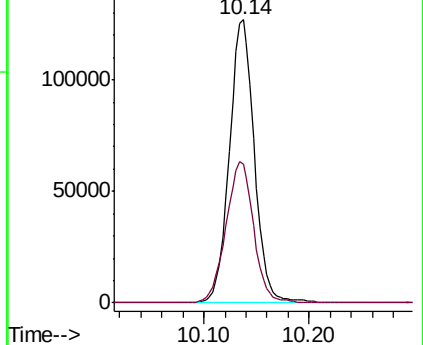
104 100

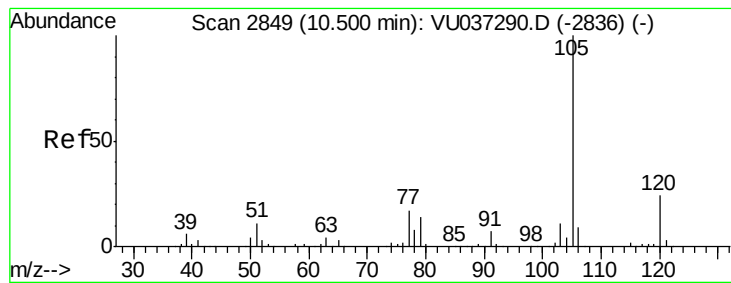
78 49.0 33.6 62.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.036 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

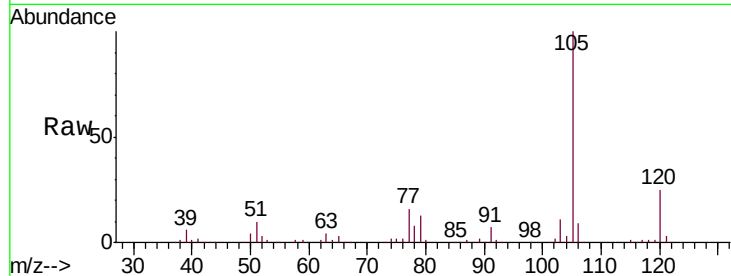
Tgt Ion: 105 Resp: 337958

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.2

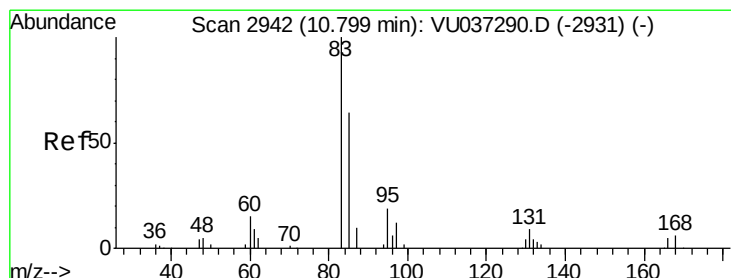
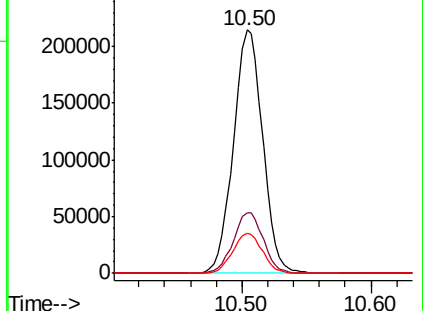
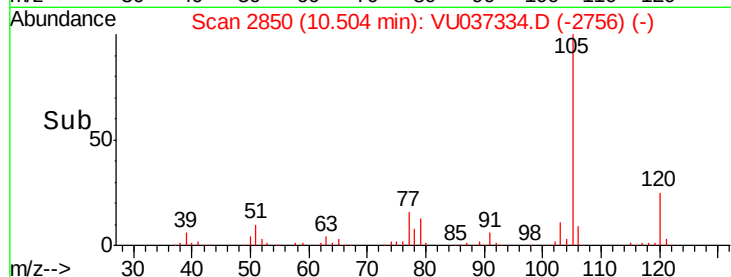
77 16.7 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.956 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. 0.00 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

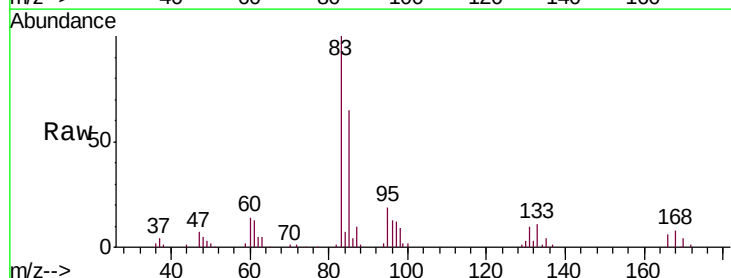
Tgt Ion: 83 Resp: 69683

Ion Ratio Lower Upper

83 100

85 64.6 45.9 85.3

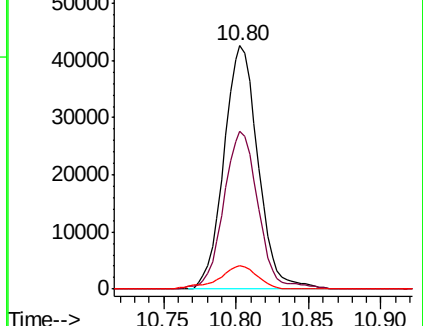
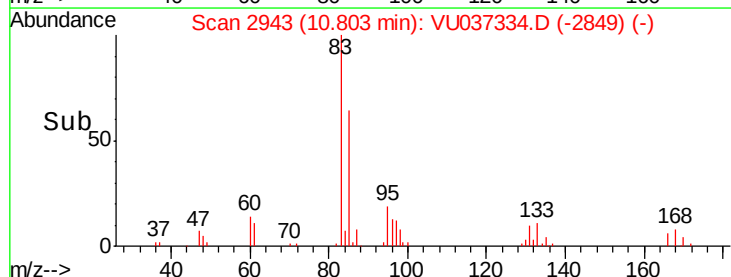
131 9.7 7.5 11.3

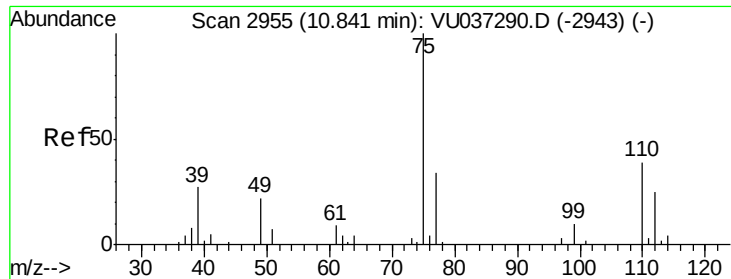


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

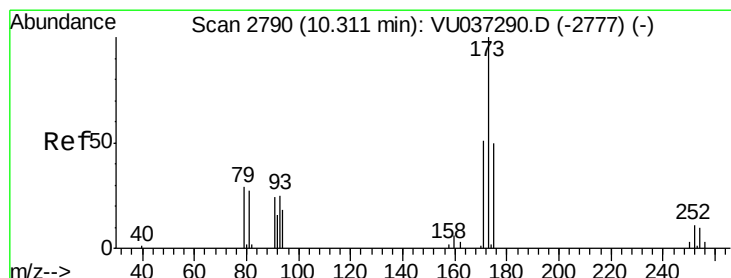
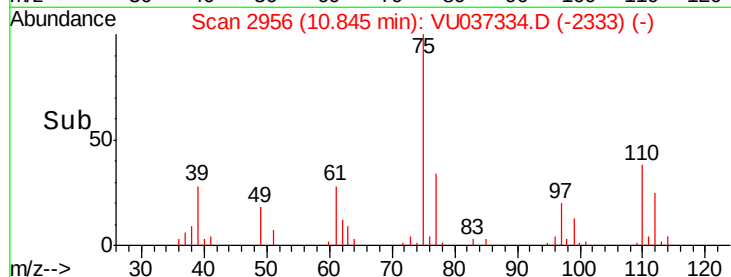
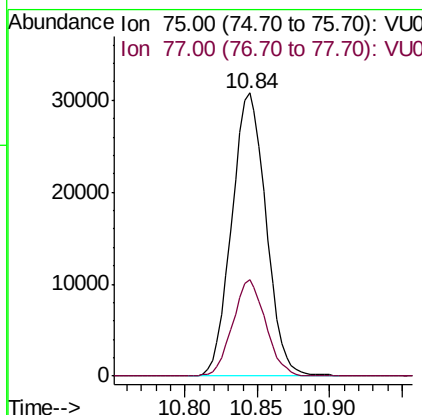
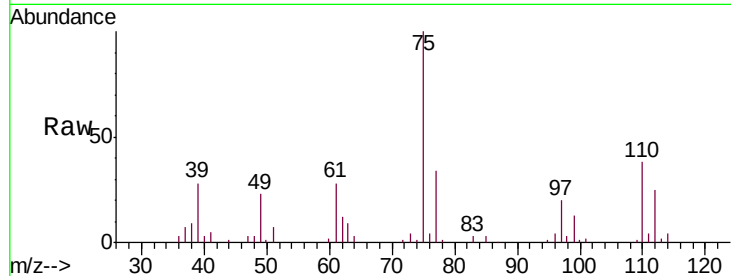




#59
 1,2,3-Trichloropropane
 Concen: 4.834 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

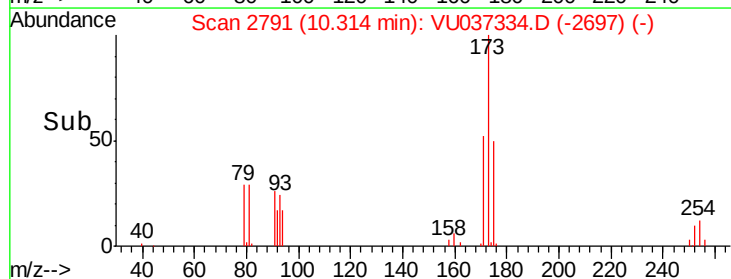
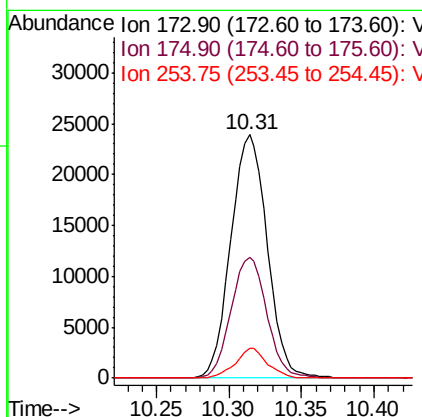
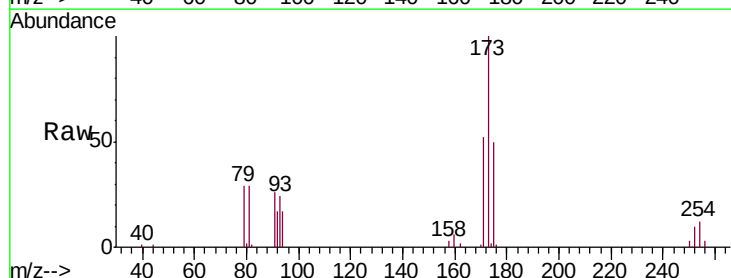
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

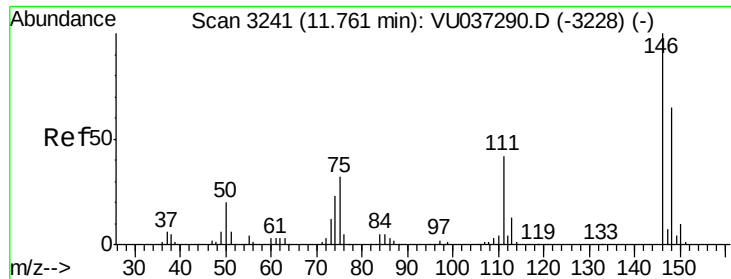
Tgt Ion: 75 Resp: 50775
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6



#61
 Bromoform
 Concen: 4.940 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 173 Resp: 41648
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.2 57.2
 254 10.6 7.8 11.8

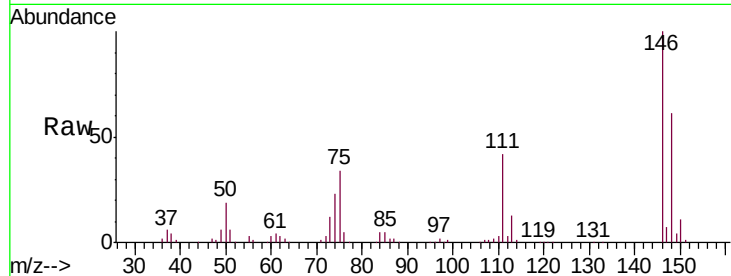




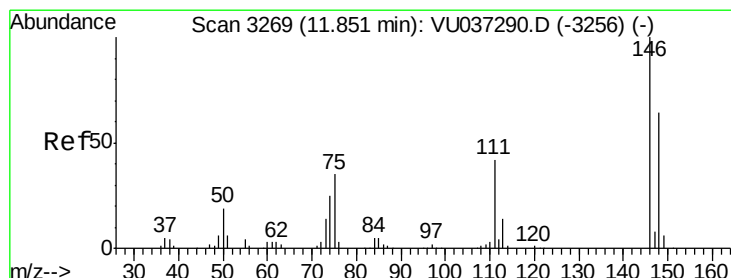
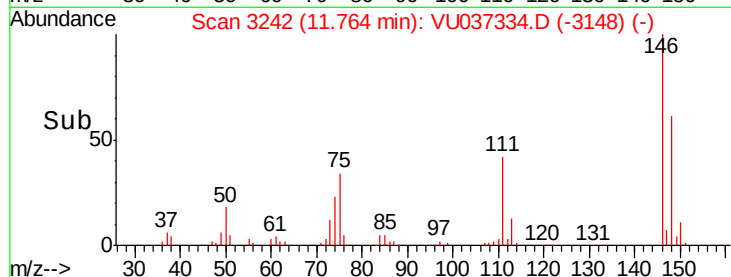
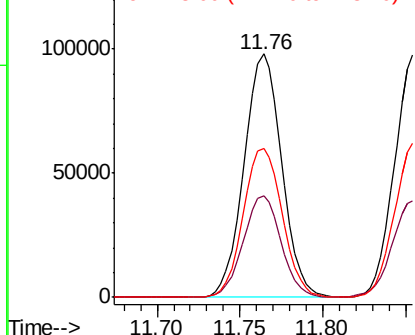
#62
 1,3-Dichlorobenzene
 Concen: 4.835 ug/L
 RT: 11.76 min Scan# 3242
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion:146 Resp: 155188
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.6 55.0
 148 61.0 45.6 84.8

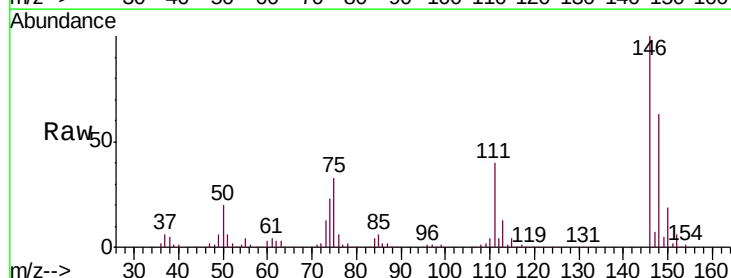


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

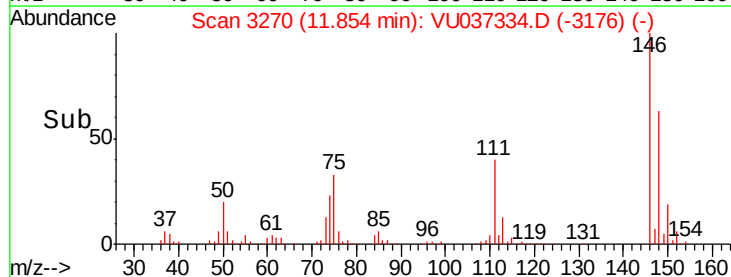
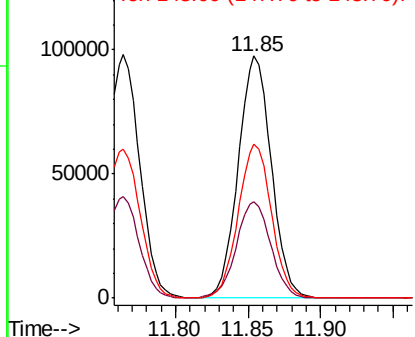


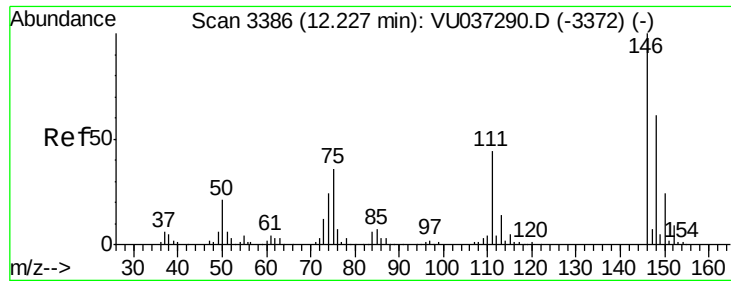
#63
 1,4-Dichlorobenzene
 Concen: 4.837 ug/L
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion:146 Resp: 154602
 Ion Ratio Lower Upper
 146 100
 111 39.9 29.0 53.9
 148 63.5 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

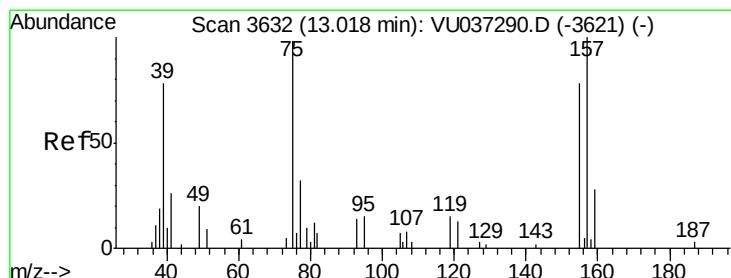
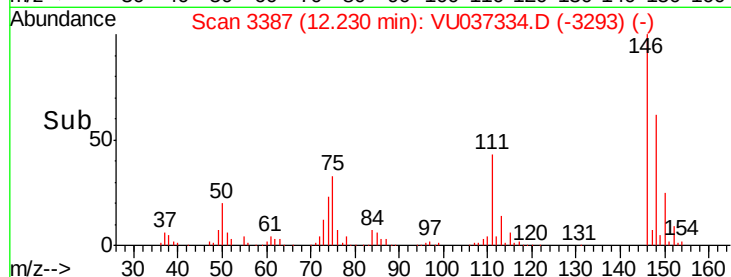
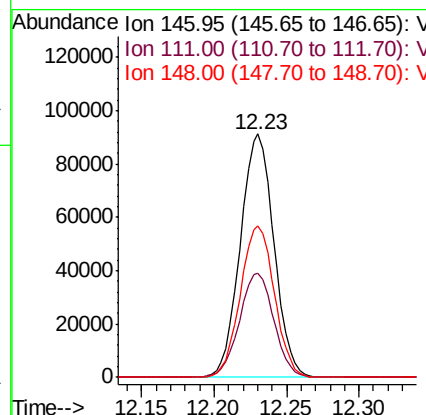
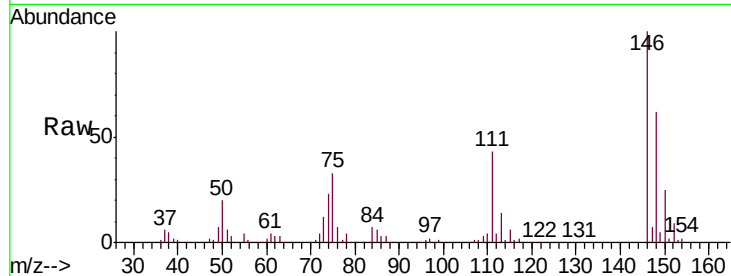




#65
 1,2-Dichlorobenzene
 Concen: 4.711 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

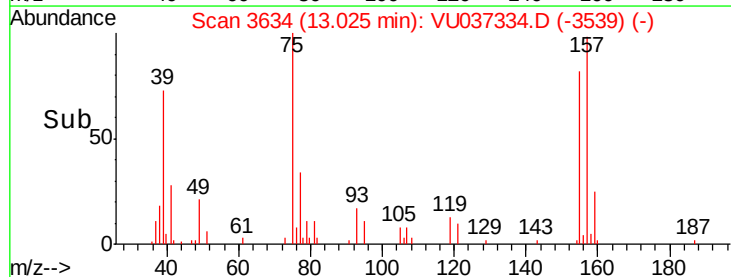
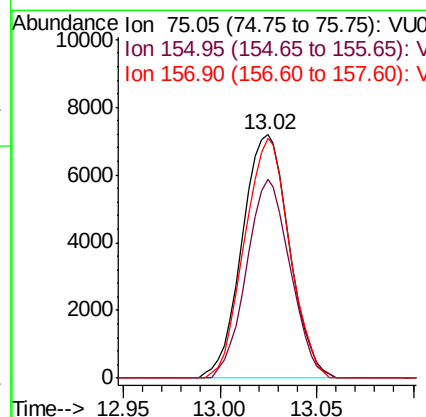
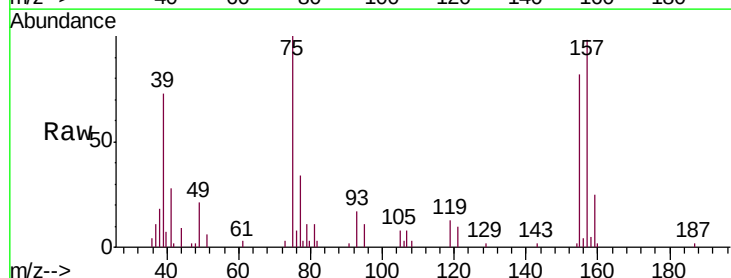
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

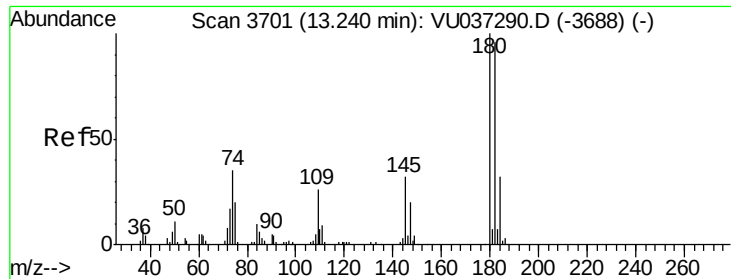
Tgt Ion: 146 Resp: 147217
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.4 53.2
 148 62.2 48.8 73.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.999 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion: 75 Resp: 12166
 Ion Ratio Lower Upper
 75 100
 155 81.8 63.7 95.5
 157 98.5 81.5 122.3

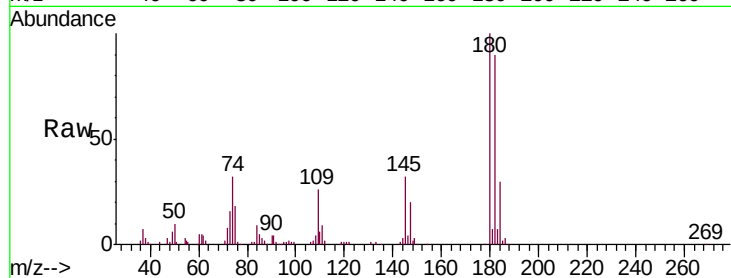




#67
 1,3,5-Trichlorobenzene
 Concen: 4.864 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tgt Ion:	180	Resp:	119130
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
184	30.3	24.4	36.6
145	31.1	24.6	36.8



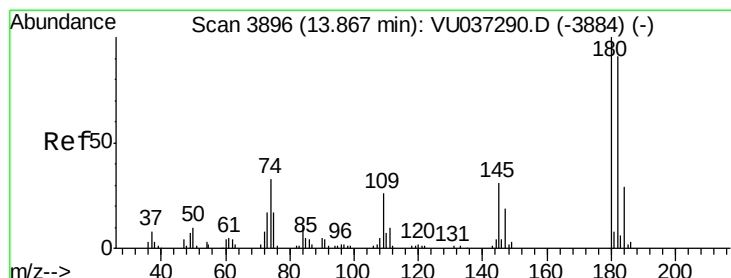
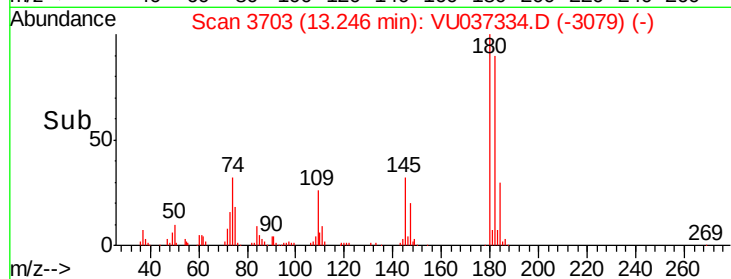
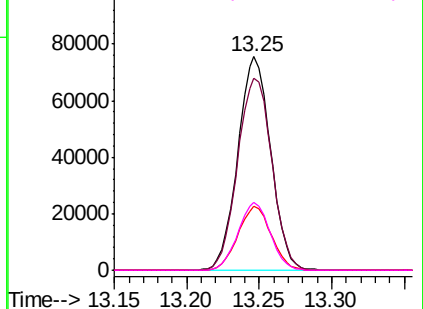
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

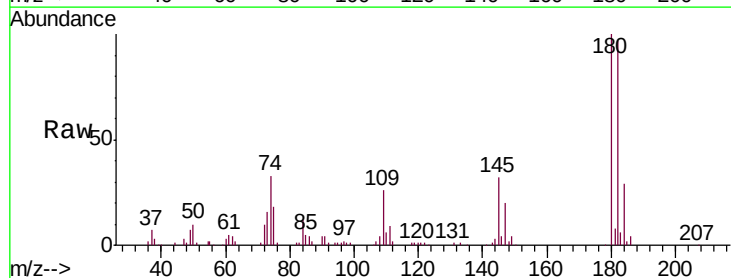
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.006 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037334.D
 Acq: 19 Mar 2020 09:31

Tgt Ion:	180	Resp:	85145
Ion	Ratio	Lower	Upper
180	100		
182	97.2	73.8	110.6
145	31.5	24.6	36.8

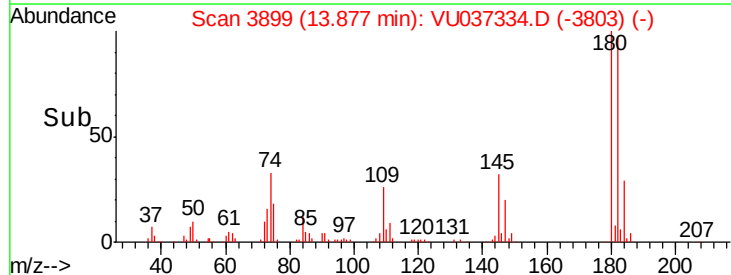
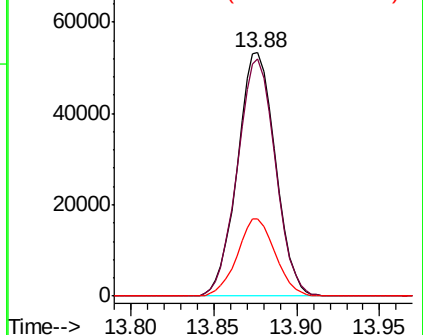


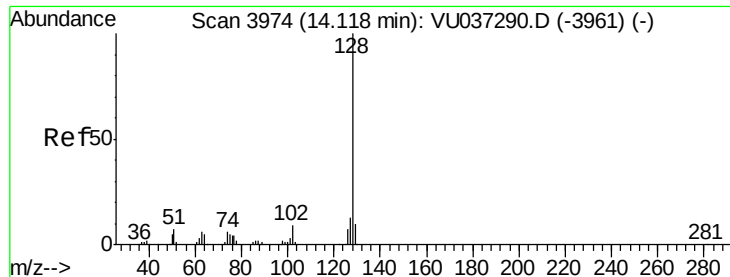
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.765 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

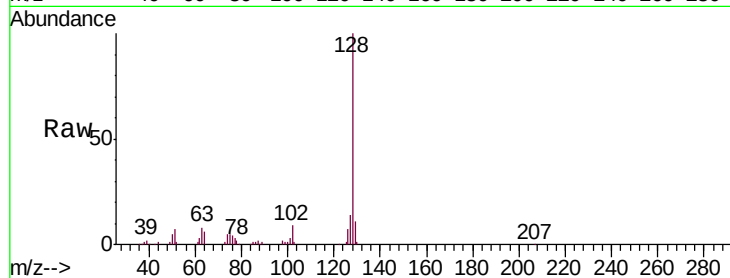
Tgt Ion:128 Resp: 116062

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

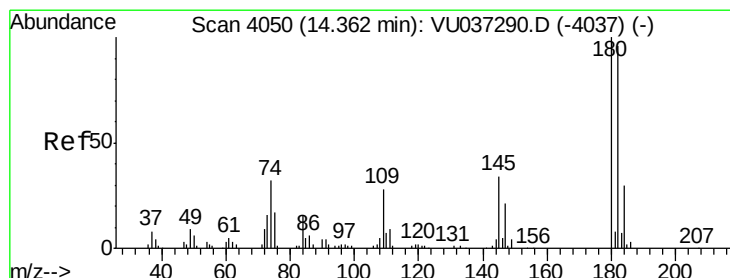
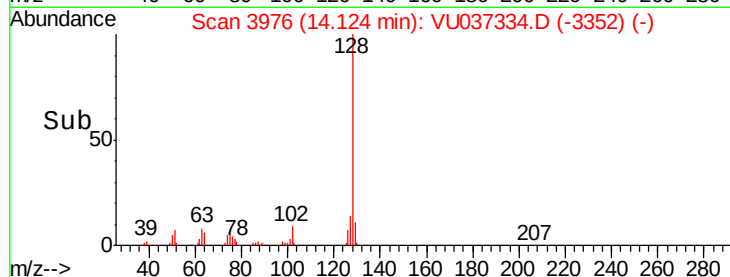
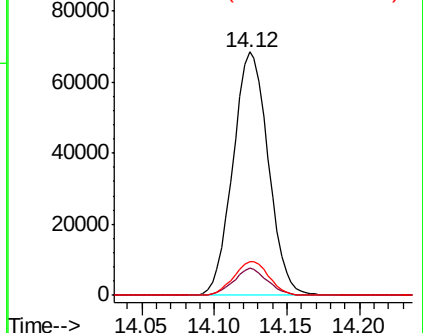
127 13.9 10.0 15.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.741 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.01 min

Lab File: VU037334.D

Acq: 19 Mar 2020 09:31

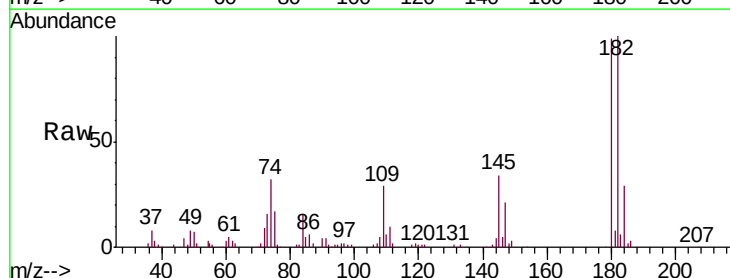
Tgt Ion:180 Resp: 78130

Ion Ratio Lower Upper

180 100

182 98.6 77.4 116.2

145 34.2 26.7 40.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

