

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU031620\
 Data File : VU037293.D
 Acq On : 16 Mar 2020 14:32
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Mar 16 19:03:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 18:59:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	142392	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	140600	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	70191	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34623	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.93	69	31567	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.59	63	76467	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	4.68	46	110000	49.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.16%
24) Chloroform-d	5.11	84	82089	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.74	65	46266	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.76	84	143530	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.72	67	46710	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.93	98	139585	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.20	79	21199	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	8.66	63	95469	49.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.40%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	41201	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.21	152	53603	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	76924	4.67	ug/L	100
3) Chloromethane	1.53	50	71398	4.41	ug/L	99
5) Vinyl chloride	1.62	62	66774	4.61	ug/L	100
6) Bromomethane	1.87	94	35083	4.76	ug/L	98
8) Chloroethane	1.95	64	36723	4.40	ug/L	98
9) Trichlorofluoromethane	2.16	101	102470	4.69	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	47710	4.72	ug/L	100
12) 1,1-Dichloroethene	2.60	96	43017	4.71	ug/L	99
13) Acetone	2.67	43	92535	48.81	ug/L	99
14) Carbon disulfide	2.82	76	134417	4.57	ug/L	99
15) Methyl Acetate	2.99	43	21984	5.04	ug/L	99
16) Methylene chloride	3.08	84	48622	4.43	ug/L	96
17) Methyl tert-butyl Ether	3.40	73	123999	4.73	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	45250	4.60	ug/L	99
19) 1,1-Dichloroethane	3.91	63	92364	4.66	ug/L	96
21) 2-Butanone	4.76	43	146128	48.27	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	50729	4.65	ug/L	99

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 Data File : VU037293.D
 Acq On : 16 Mar 2020 14:32
 Operator : JC/MD
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Quant Time: Mar 16 19:03:01 2020
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Mar 16 18:59:32 2020
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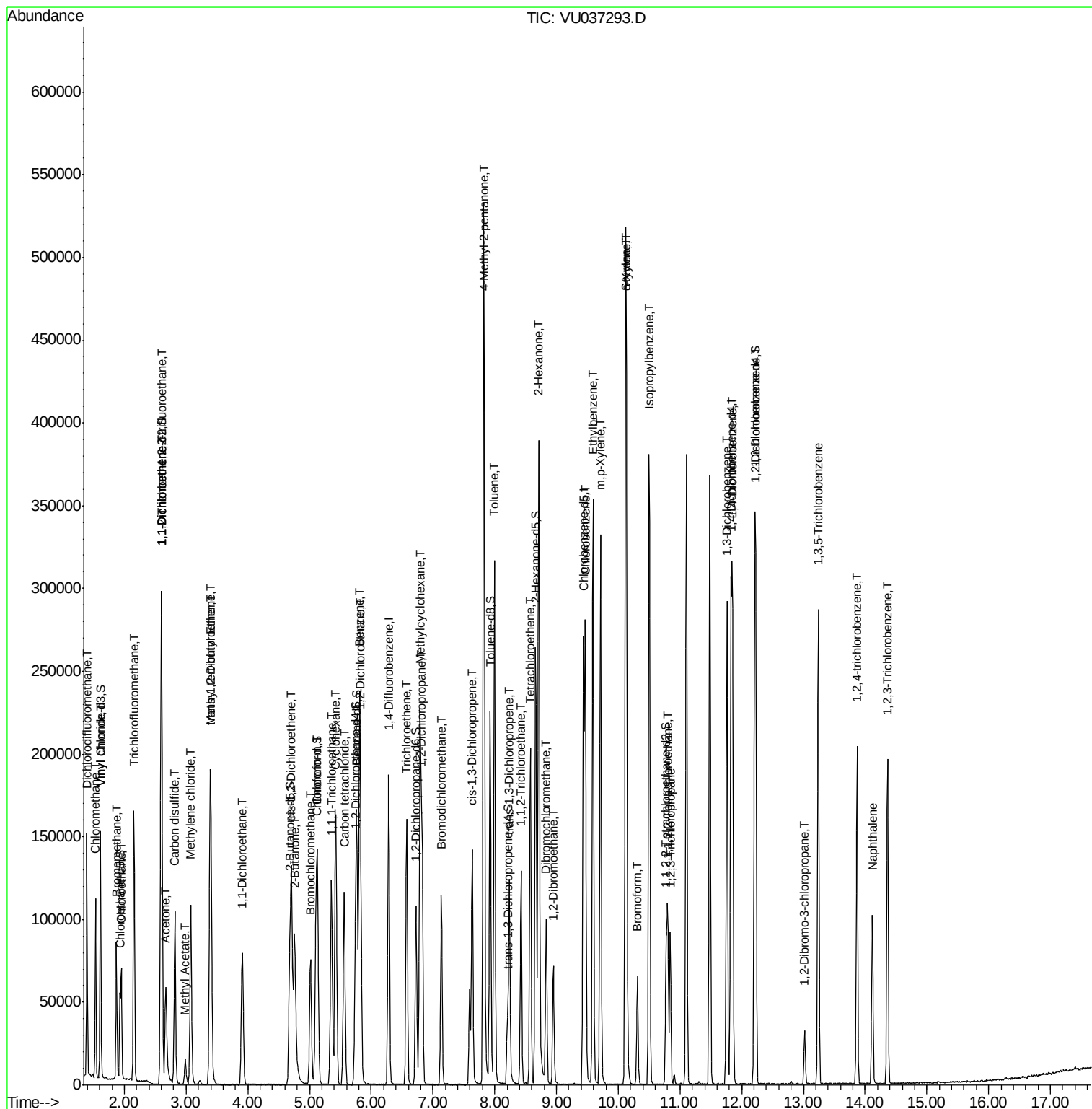
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	22868	4.62	ug/L	97
25) Chloroform	5.13	83	98827	4.58	ug/L	100
27) 1,2-Dichloroethane	5.83	62	69001	4.55	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	88756	4.62	ug/L	99
30) Cyclohexane	5.42	56	78616	4.56	ug/L	99
31) Carbon tetrachloride	5.56	117	79372	4.69	ug/L	98
33) Benzene	5.81	78	196890	4.66	ug/L	100
34) Trichloroethene	6.57	95	54281	4.71	ug/L	97
35) Methylcyclohexane	6.79	83	83493	4.79	ug/L	97
37) 1,2-Dichloropropane	6.82	63	52806	4.73	ug/L	100
38) Bromodichloromethane	7.14	83	71347	4.54	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	75790	4.51	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	357230	47.43	ug/L	99
42) Toluene	8.00	91	218730	4.80	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	66976	4.76	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	37089	4.61	ug/L	98
47) Tetrachloroethene	8.58	164	42624	4.76	ug/L	98
48) 2-Hexanone	8.71	43	258232	46.70	ug/L	98
49) Dibromochloromethane	8.84	129	49708	4.73	ug/L	97
50) 1,2-Dibromoethane	8.95	107	35603	4.55	ug/L	94
51) Chlorobenzene	9.47	112	134965	4.59	ug/L	98
52) Ethylbenzene	9.59	91	242792	4.70	ug/L	98
53) m,p-Xylene	9.71	106	89224	4.70	ug/L	97
54) o-Xylene	10.12	106	86436	4.77	ug/L	95
55) Styrene	10.13	104	144046	4.72	ug/L	98
56) Isopropylbenzene	10.50	105	240071	4.74	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	48010	4.52	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	35668	4.50	ug/L	98
61) Bromoform	10.31	173	28166	4.55	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	110581	4.69	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	107694	4.59	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	105667	4.61	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	8538	4.78	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	84773	4.72	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	58439	4.68	ug/L	98
69) Naphthalene	14.12	128	78439	4.39	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	56354	4.66	ug/L	98

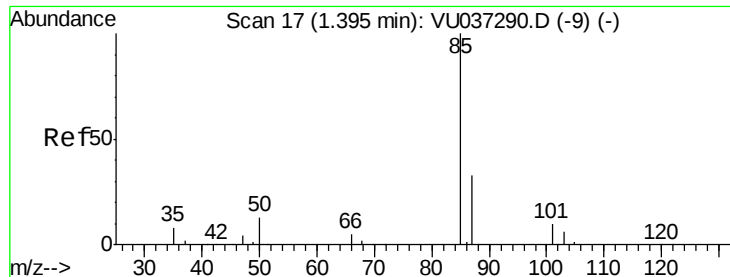
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU031620\
Data File : VU037293.D
Acq On : 16 Mar 2020 14:32
Operator : JC/MD
Sample : VSTDICV005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Quant Time: Mar 16 19:03:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR031620WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.67 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

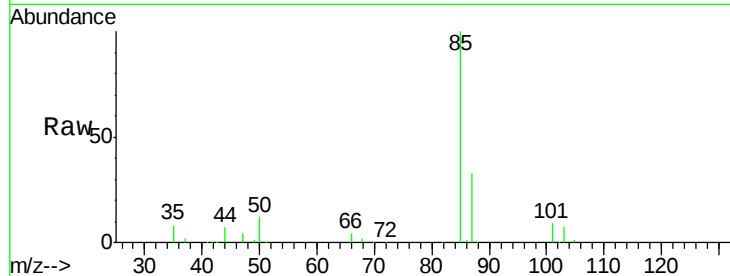
VICV05

Tgt Ion: 85 Resp: 76924

Ion Ratio Lower Upper

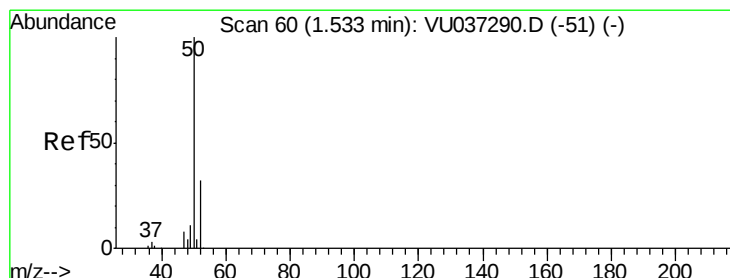
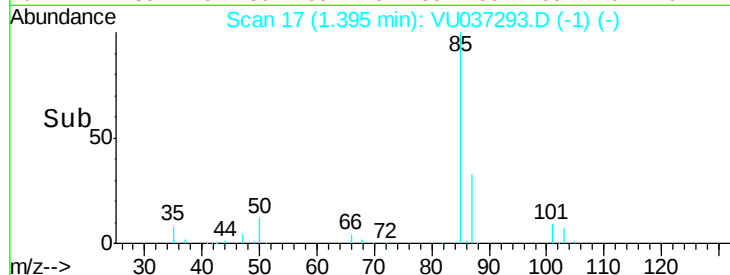
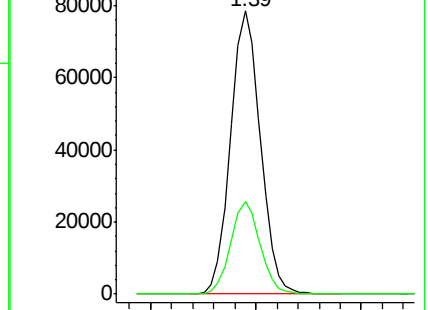
85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU037293.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037293.D (-9) (-)



#3

Chloromethane

Concen: 4.41 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU037293.D

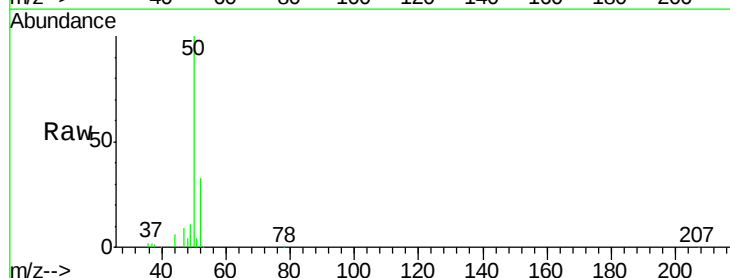
Acq: 16 Mar 2020 14:32

Tgt Ion: 50 Resp: 71398

Ion Ratio Lower Upper

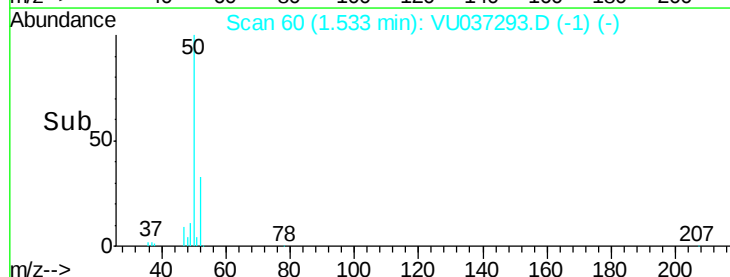
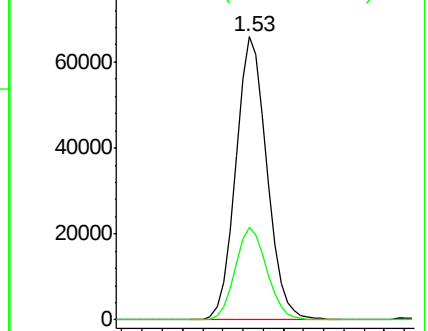
50 100

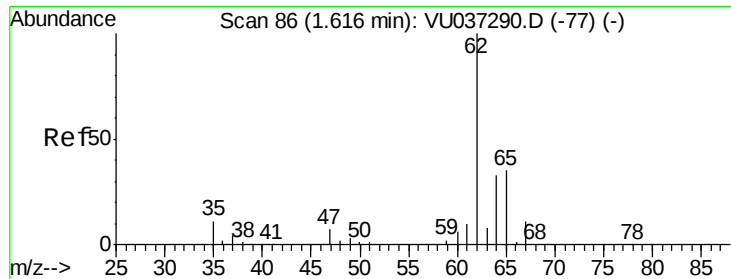
52 32.6 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU037293.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU037293.D (-51) (-)





#5

Vinyl chloride

Concen: 4.61 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

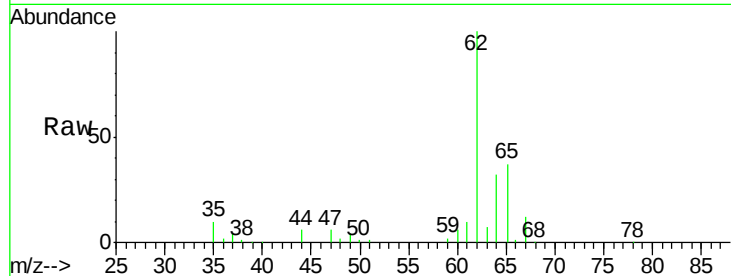
VICV05

Tgt Ion: 62 Resp: 66774

Ion Ratio Lower Upper

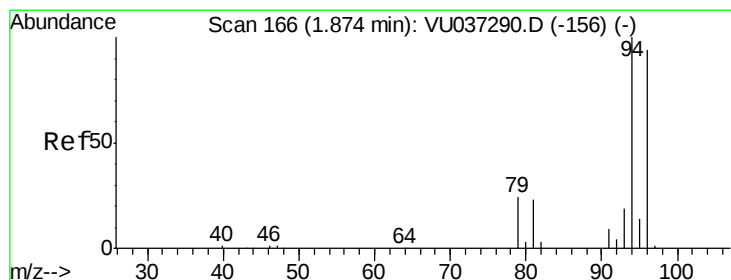
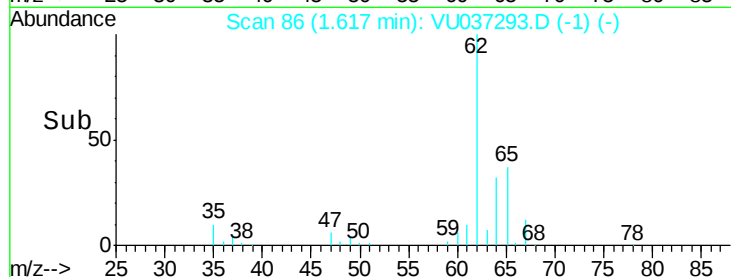
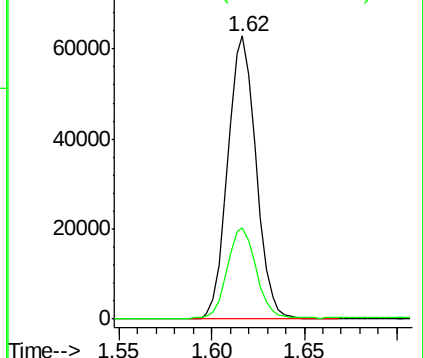
62 100

64 32.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.76 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU037293.D

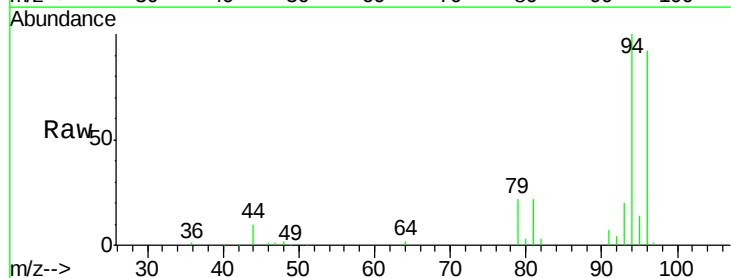
Acq: 16 Mar 2020 14:32

Tgt Ion: 94 Resp: 35083

Ion Ratio Lower Upper

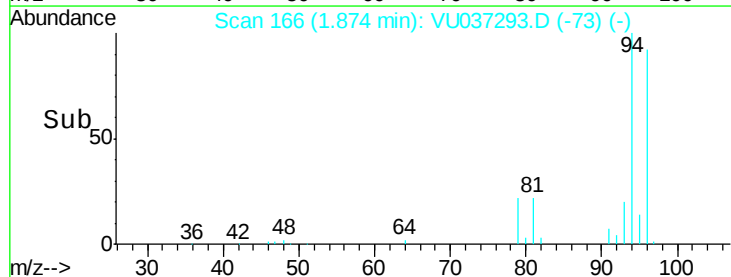
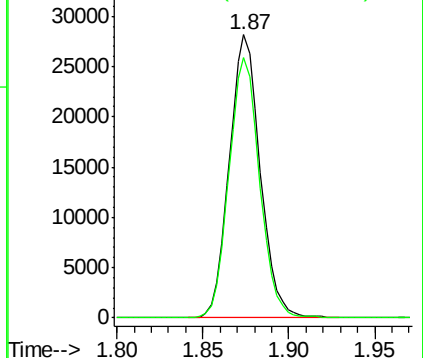
94 100

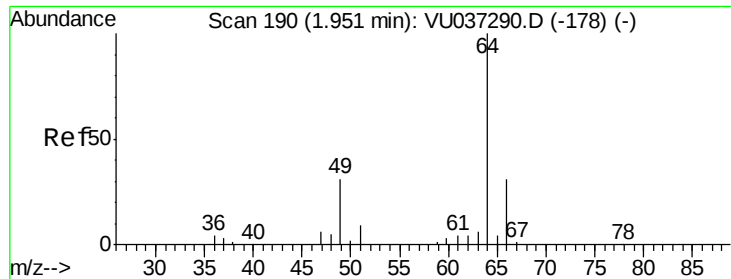
96 91.8 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.40 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

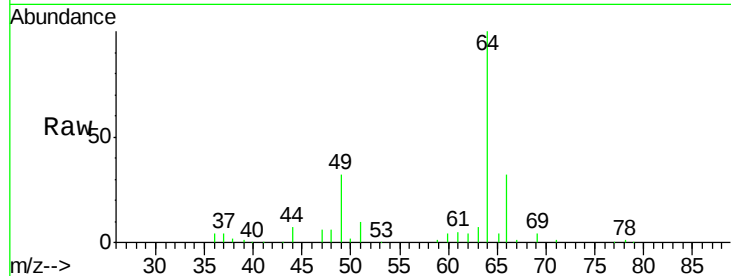
VICV05

Tgt Ion: 64 Resp: 36723

Ion Ratio Lower Upper

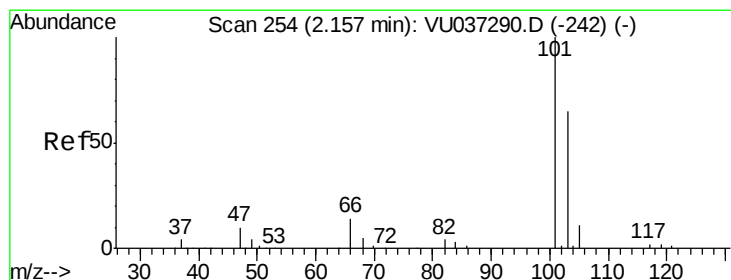
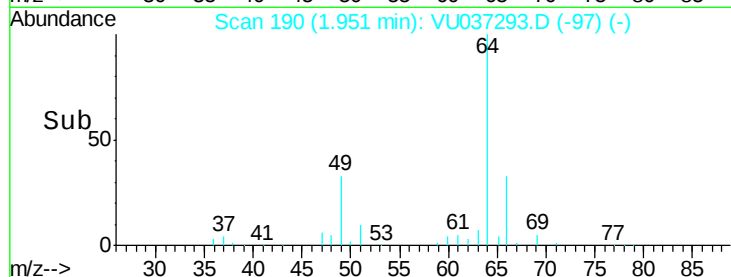
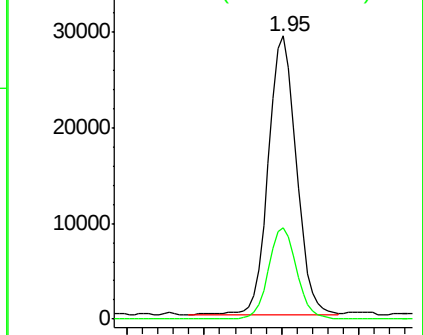
64 100

66 32.3 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VU037293.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU037293.D (-178) (-)



#9

Trichlorofluoromethane

Concen: 4.69 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU037293.D

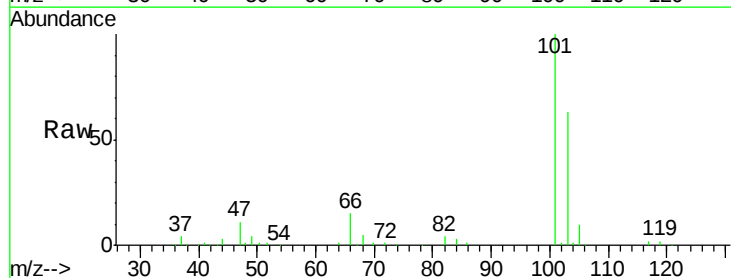
Acq: 16 Mar 2020 14:32

Tgt Ion: 101 Resp: 102470

Ion Ratio Lower Upper

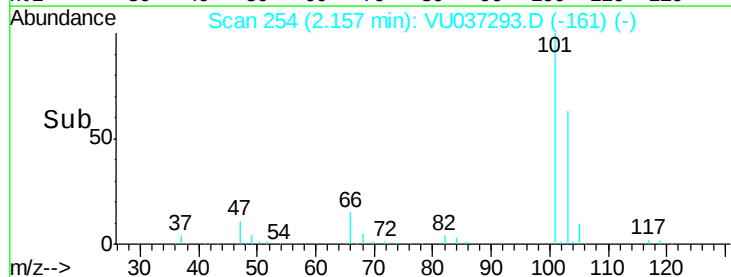
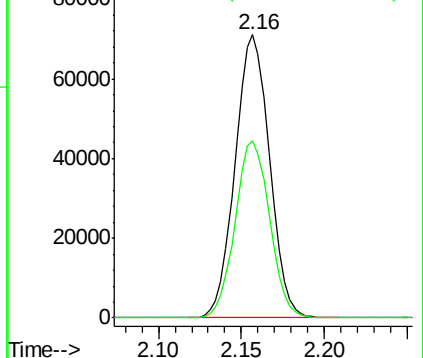
101 100

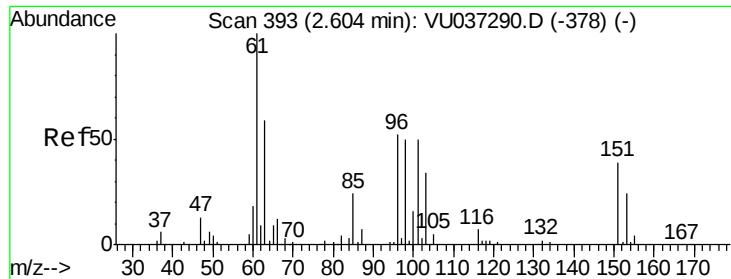
103 62.7 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VU037293.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU037293.D (-242) (-)





#10

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

Concen: 4.72 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

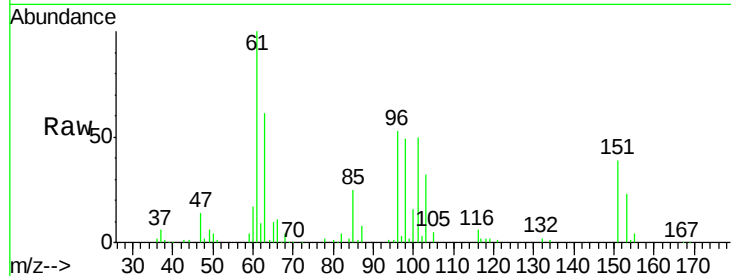
Tgt Ion: 101 Resp: 47710

Ion Ratio Lower Upper

101 100

85 48.7 39.1 58.7

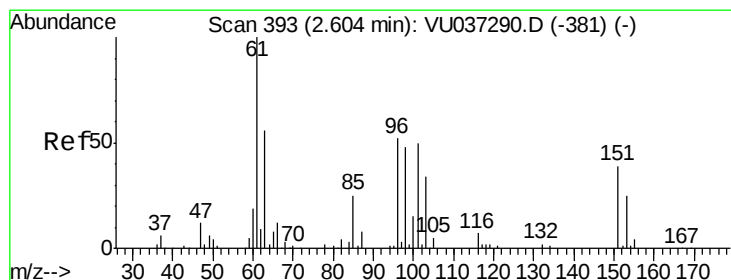
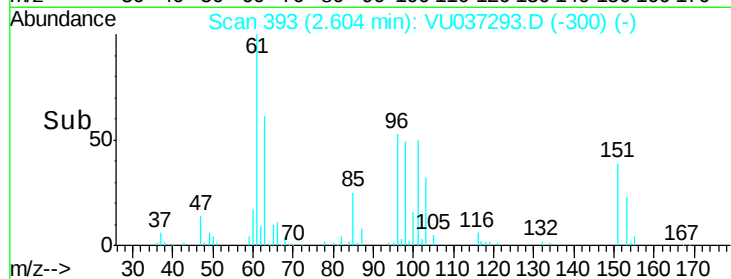
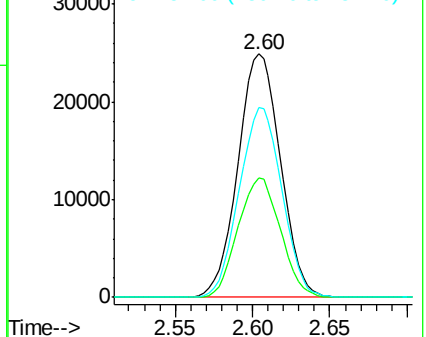
151 78.0 62.5 93.7



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: 4.71 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

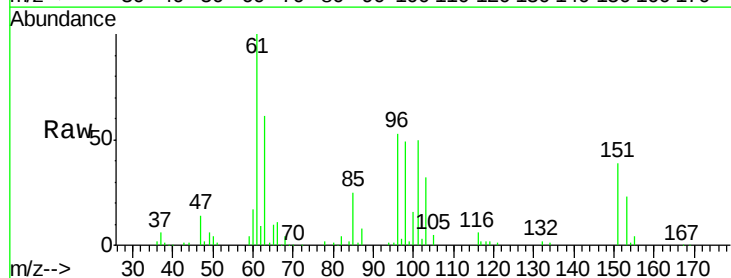
Tgt Ion: 96 Resp: 43017

Ion Ratio Lower Upper

96 100

61 190.4 134.3 249.5

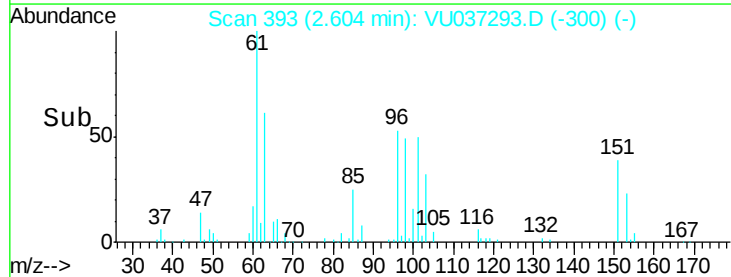
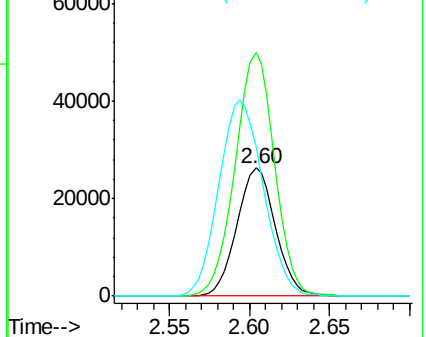
63 116.4 80.3 149.1

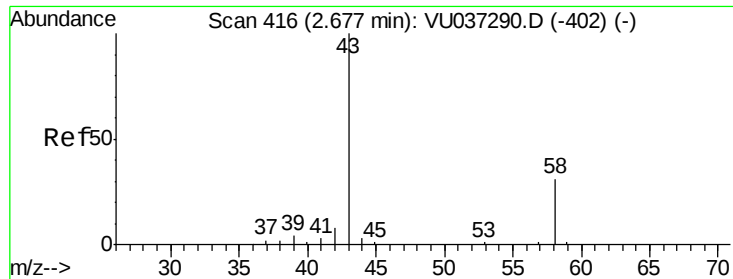


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.81 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

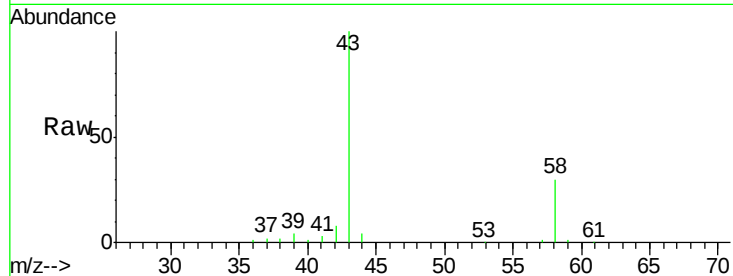
VICV05

Tgt Ion: 43 Resp: 92535

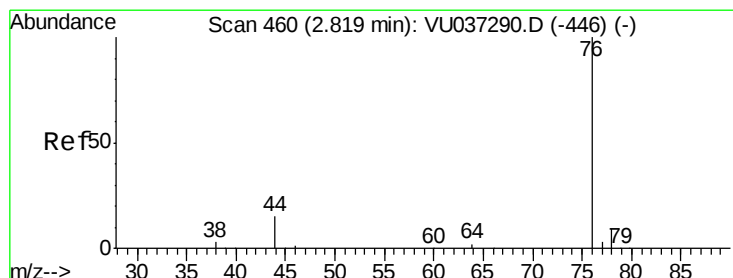
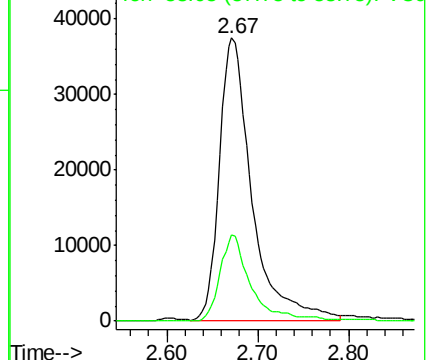
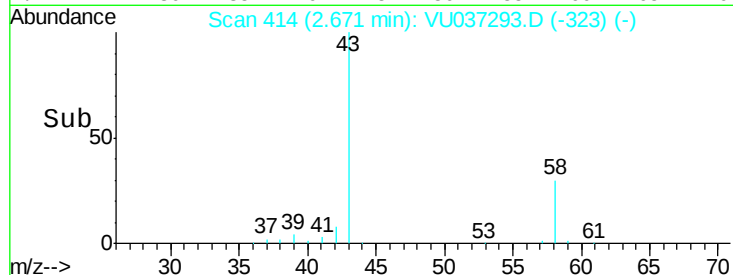
Ion Ratio Lower Upper

43 100

58 28.2 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VU037293.D (-323) (-)



#14

Carbon disulfide

Concen: 4.57 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037293.D

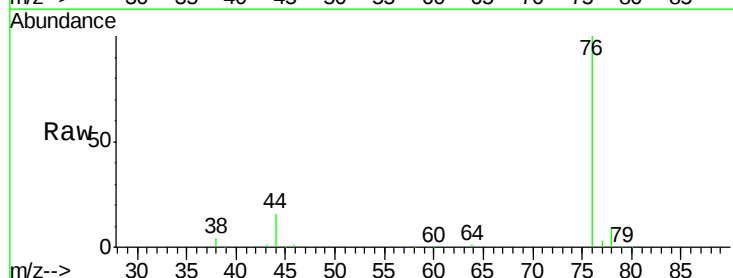
Acq: 16 Mar 2020 14:32

Tgt Ion: 76 Resp: 134417

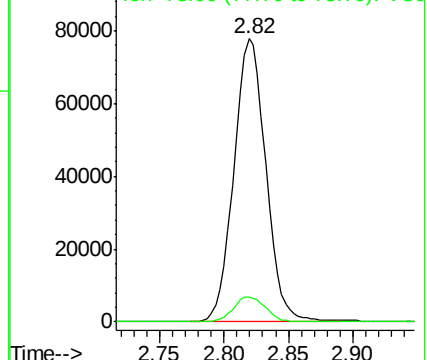
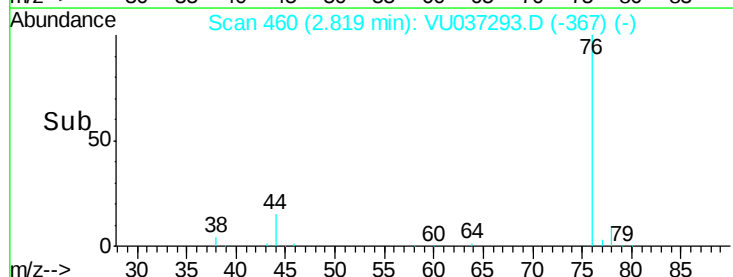
Ion Ratio Lower Upper

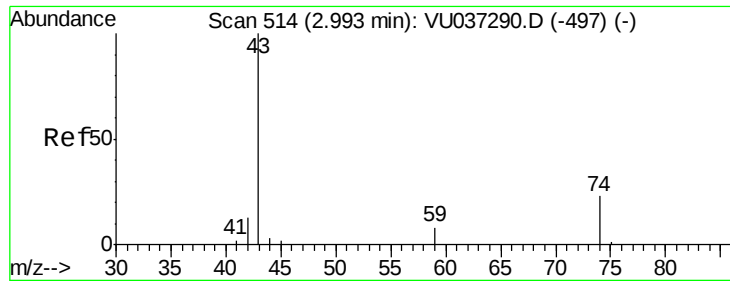
76 100

78 8.7 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU037293.D (-367) (-)

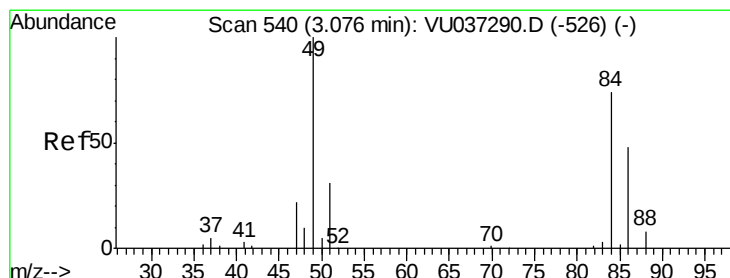
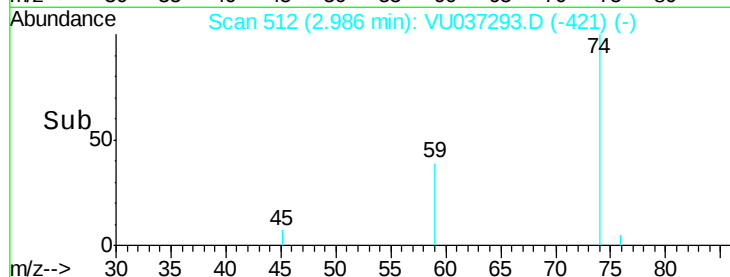
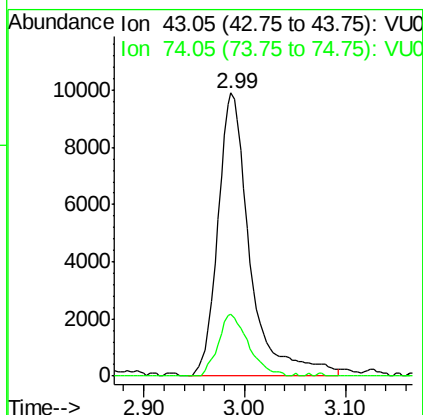
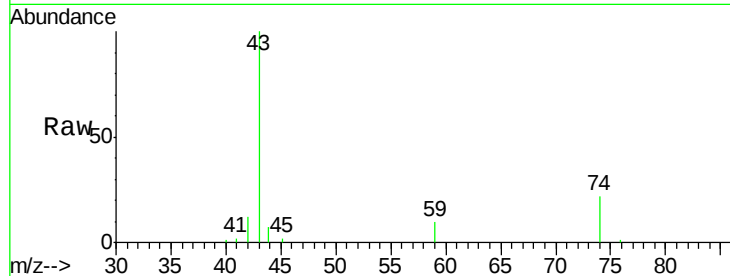




#15
Methyl Acetate
Concen: 5.04 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.01 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

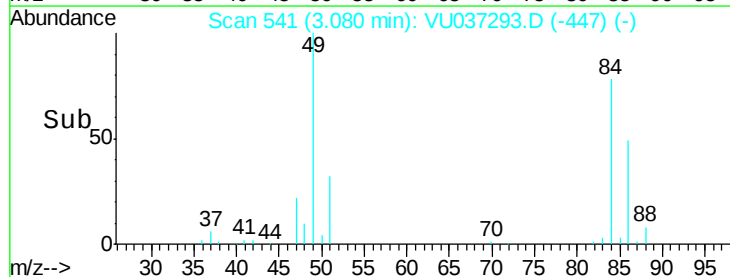
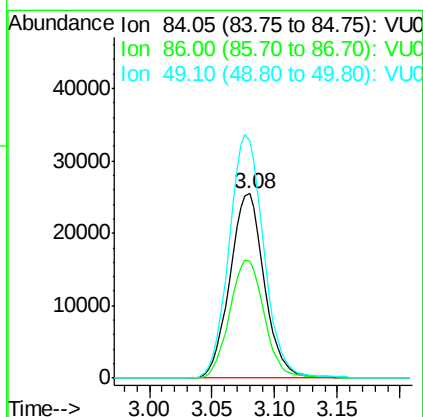
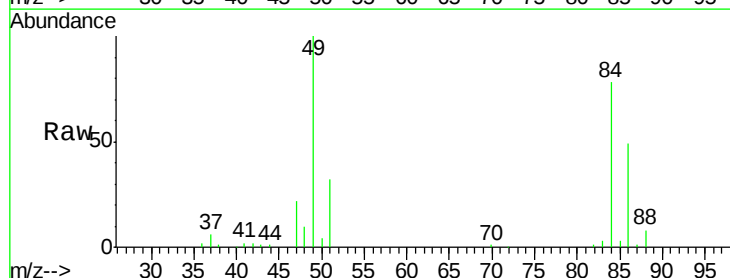
Instrument :
MSVOA_U
ClientSampled :
VICV05

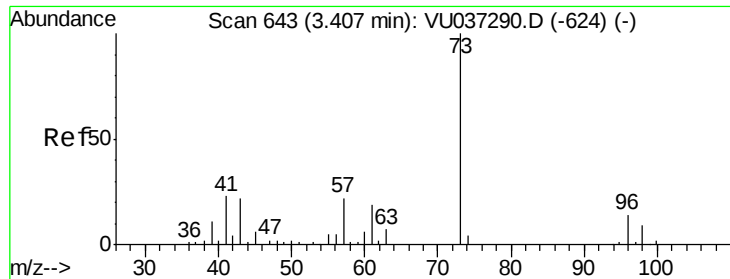
Tgt Ion: 43 Resp: 21984
Ion Ratio Lower Upper
43 100
74 20.5 17.0 25.4



#16
Methylene chloride
Concen: 4.43 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Tgt Ion: 84 Resp: 48622
Ion Ratio Lower Upper
84 100
86 63.6 45.2 84.0
49 128.8 94.4 175.4

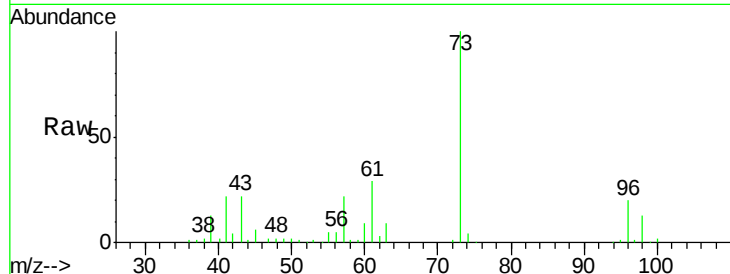




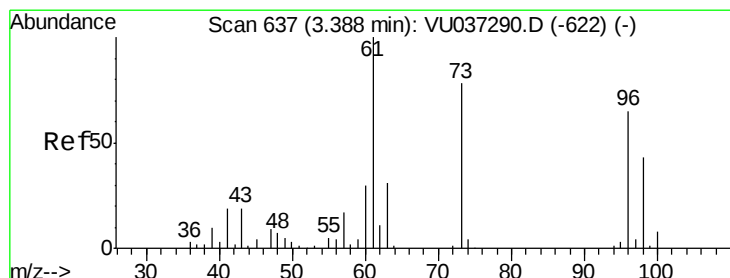
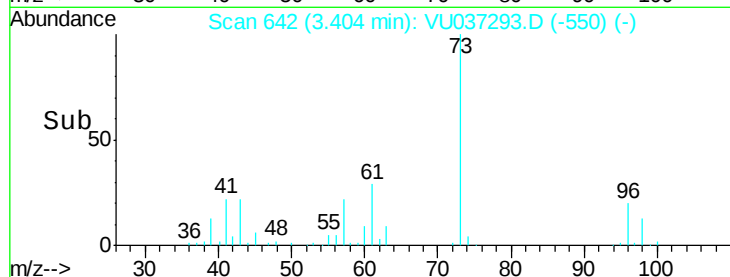
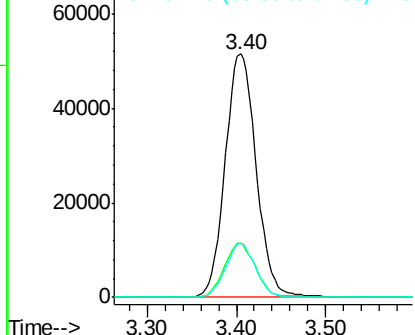
#17
Methyl tert-butyl Ether
Concen: 4.73 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tgt Ion:	73	Resp:	123999
Ion	Ratio	Lower	Upper
73	100		
43	22.3	18.6	28.0
57	21.4	17.1	25.7

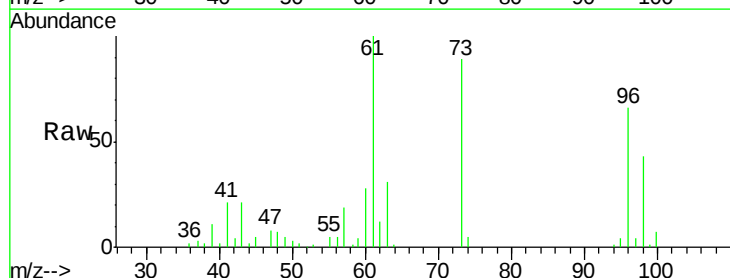


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

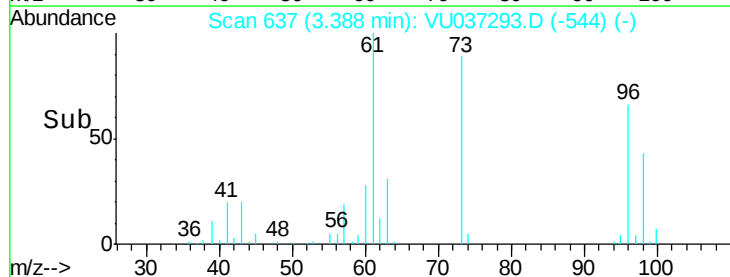
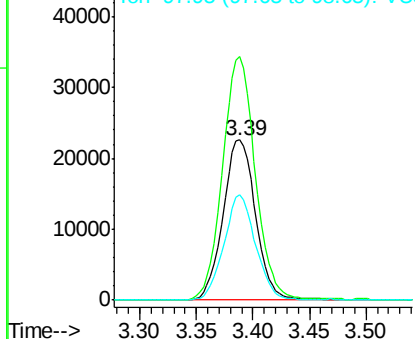


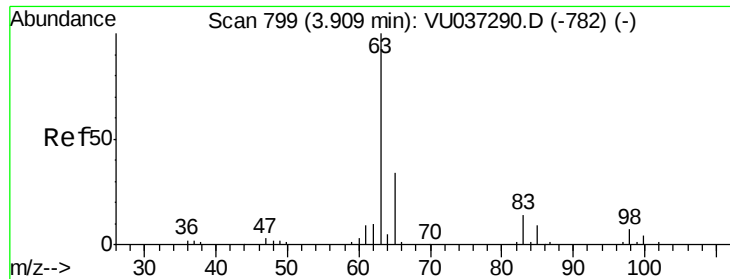
#18
trans-1,2-Dichloroethene
Concen: 4.60 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Tgt Ion:	96	Resp:	45250
Ion	Ratio	Lower	Upper
96	100		
61	152.2	107.5	199.7
98	66.1	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

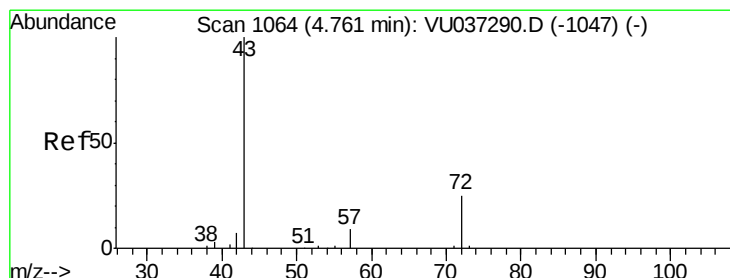
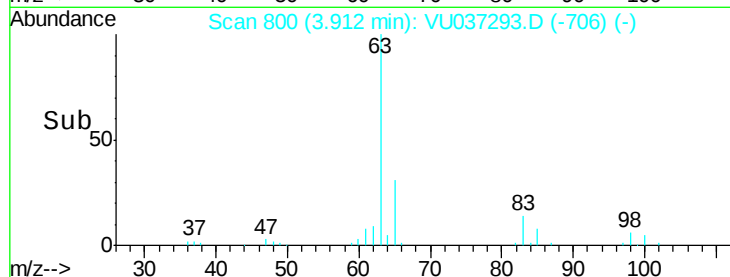
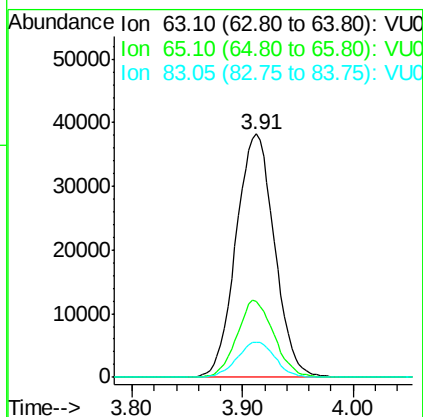
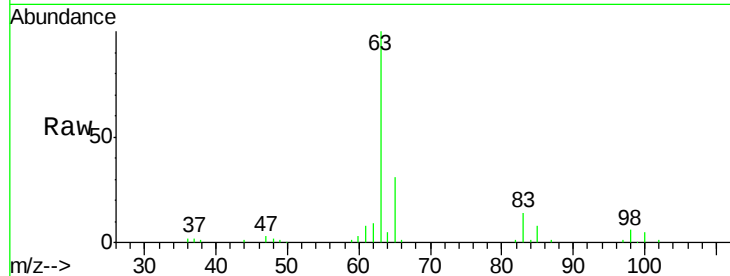




#19
 1,1-Dichloroethane
 Concen: 4.66 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

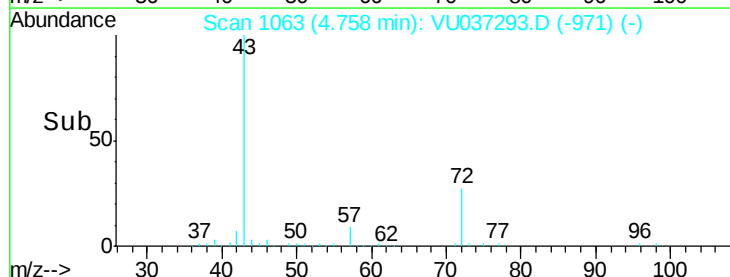
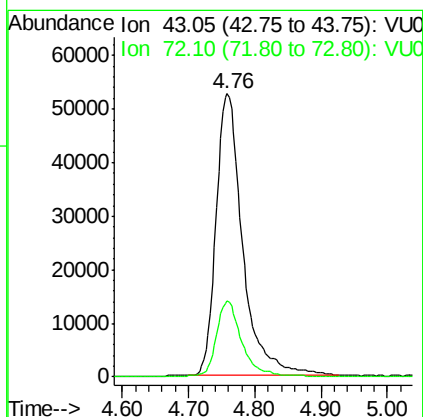
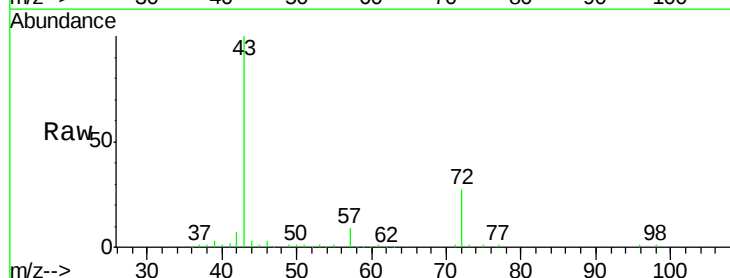
Instrument :
 MSVOA_U
 ClientSampled :
 VICV05

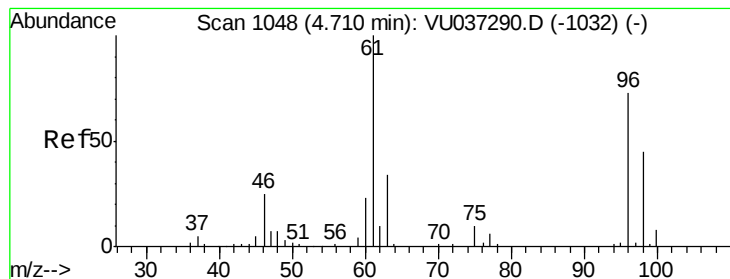
Tgt Ion: 63 Resp: 92364
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.1 44.7
 83 14.4 10.1 18.9



#21
 2-Butanone
 Concen: 48.27 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

Tgt Ion: 43 Resp: 146128
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.5 37.5





#22

cis-1,2-Dichloroethene

Concen: 4.65 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

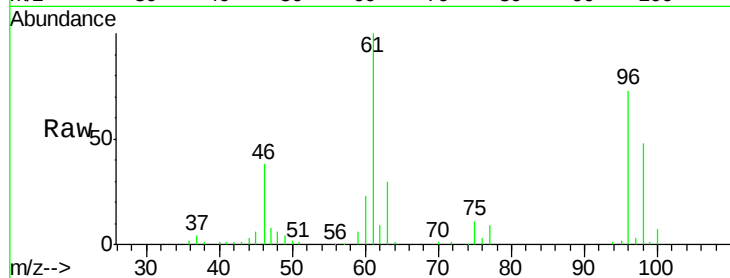
Tgt Ion: 96 Resp: 50729

Ion Ratio Lower Upper

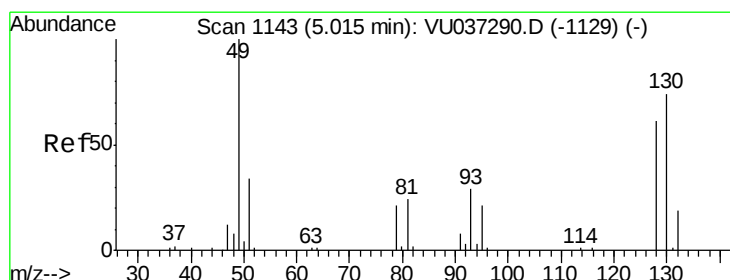
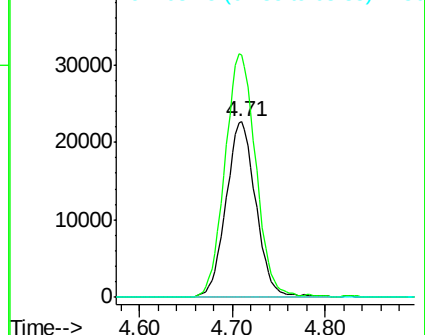
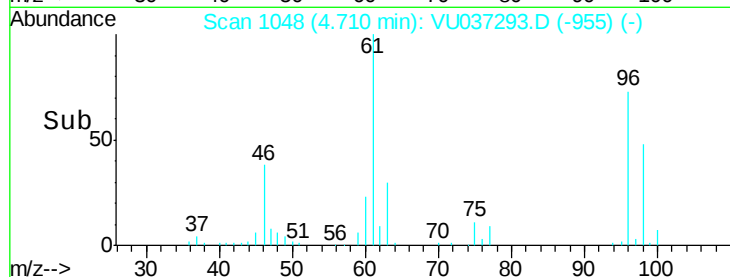
96 100

61 137.8 95.8 178.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037293.D (-955) (-)



#23

Bromochloromethane

Concen: 4.62 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Tgt Ion: 128 Resp: 22868

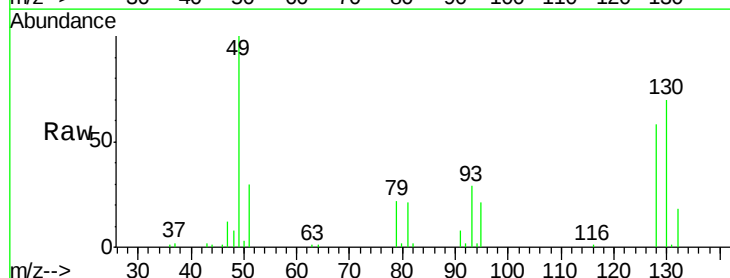
Ion Ratio Lower Upper

128 100

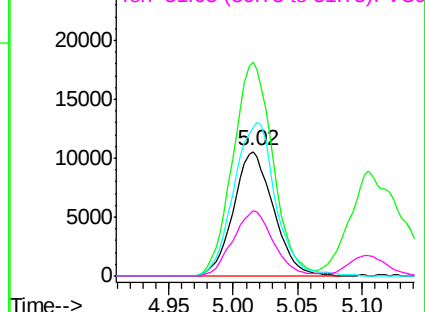
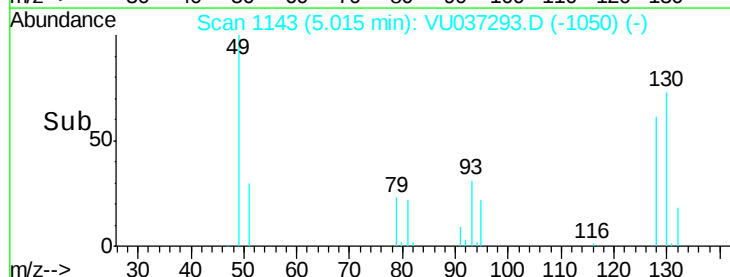
49 171.8 116.7 216.7

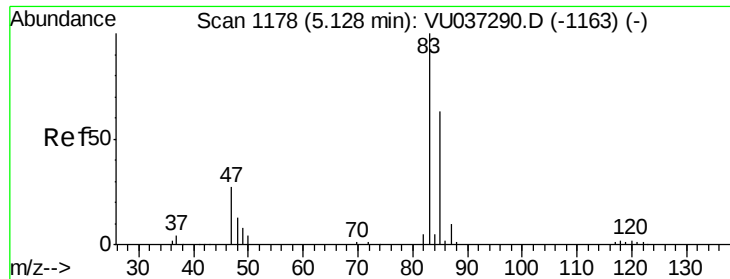
130 119.8 85.3 158.5

51 52.1 44.6 66.8



Abundance Ion 127.90 (127.60 to 128.60): VU037293.D (-1050) (-)

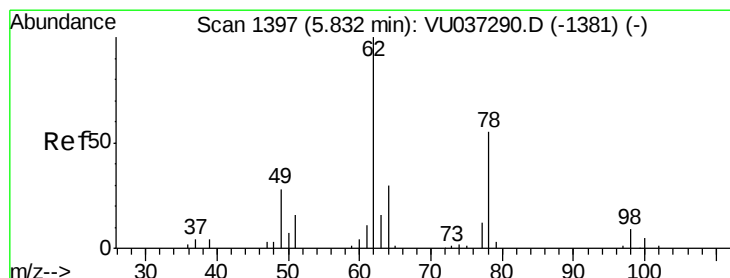
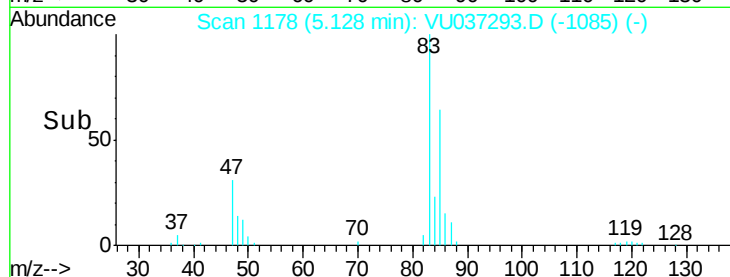
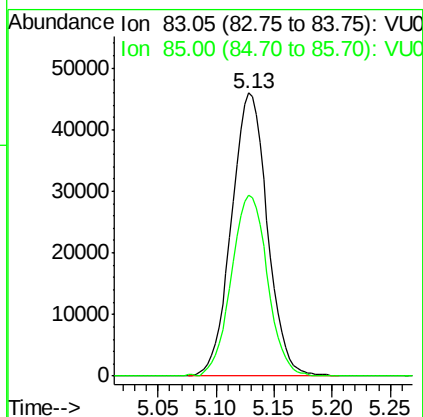
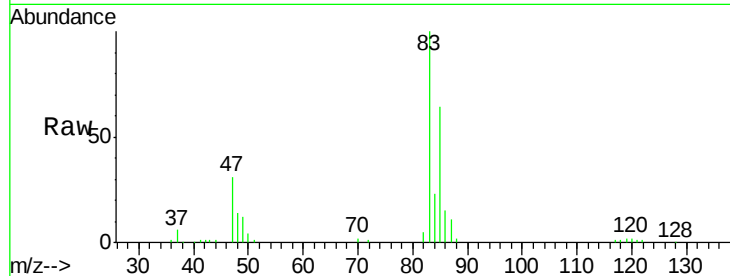




#25
Chloroform
Concen: 4.58 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

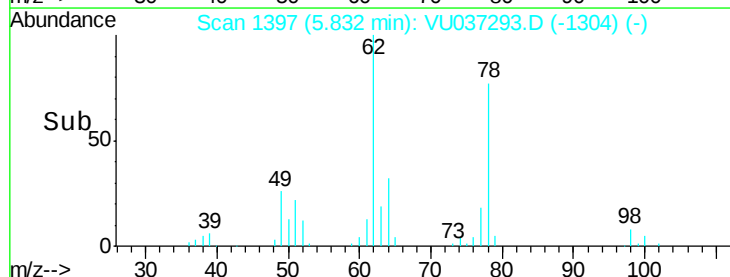
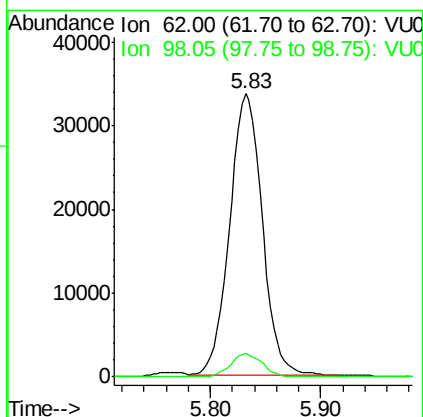
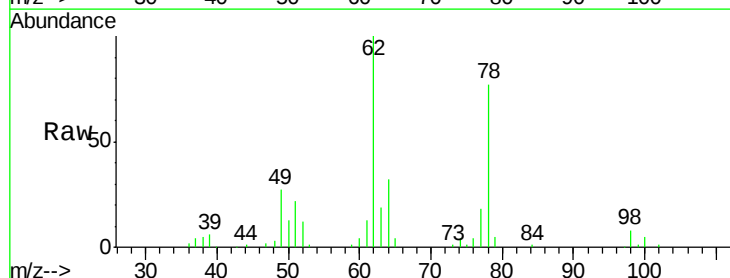
Instrument :
MSVOA_U
ClientSampleId :
VICV05

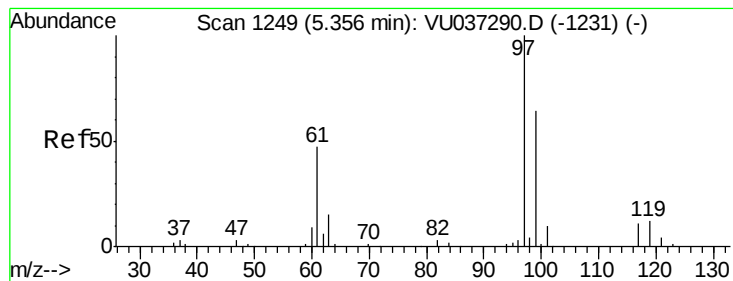
Tgt Ion: 83 Resp: 98827
Ion Ratio Lower Upper
83 100
85 63.9 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.55 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Tgt Ion: 62 Resp: 69001
Ion Ratio Lower Upper
62 100
98 8.2 6.8 10.2





#29

1,1,1-Trichloroethane

Concen: 4.62 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

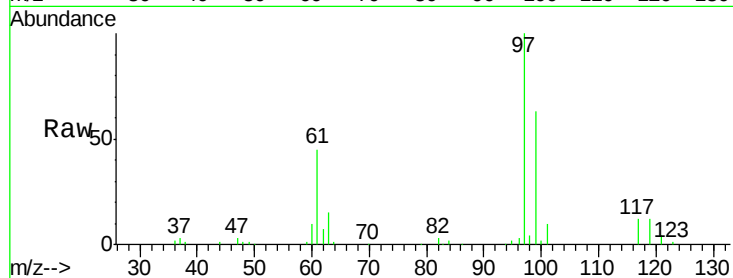
Tgt Ion: 97 Resp: 88756

Ion Ratio Lower Upper

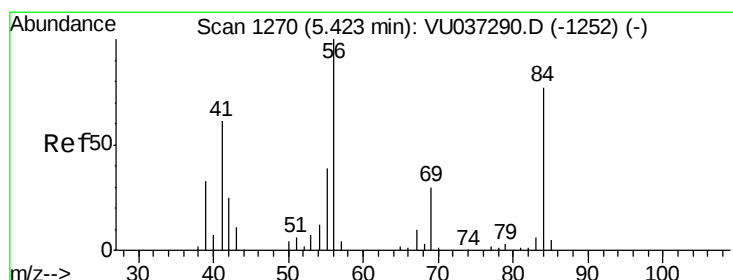
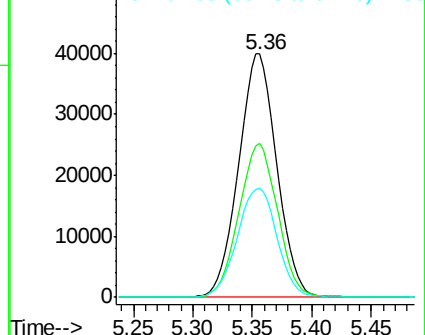
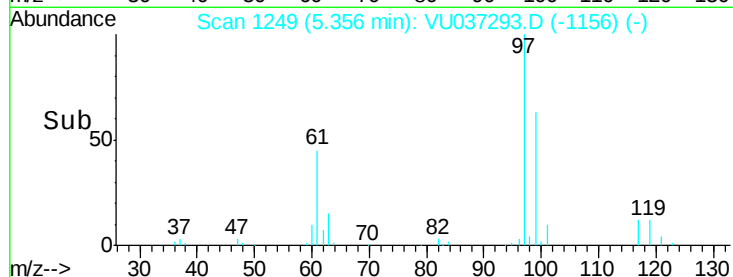
97 100

99 64.0 50.6 76.0

61 46.8 36.8 55.2



Abundance Ion 96.95 (96.65 to 97.65): VU037293.D (-1156) (-)



#30

Cyclohexane

Concen: 4.56 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

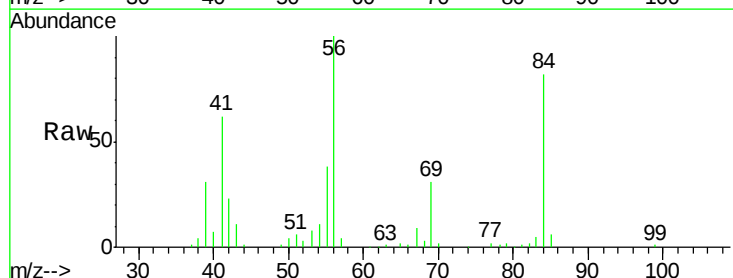
Tgt Ion: 56 Resp: 78616

Ion Ratio Lower Upper

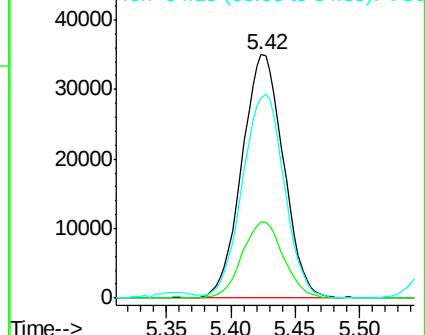
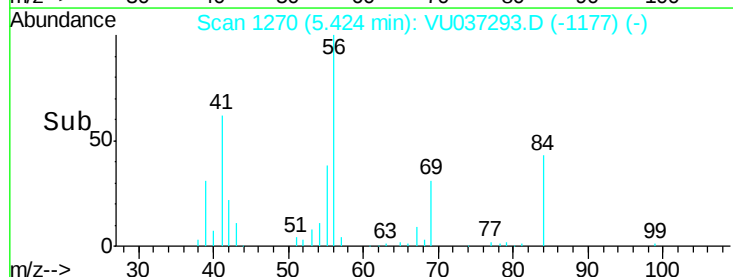
56 100

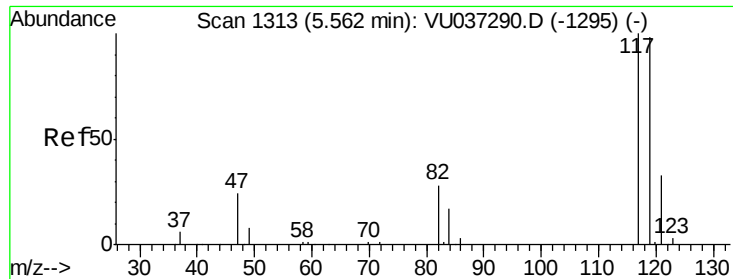
69 31.2 24.3 36.5

84 84.7 66.6 100.0



Abundance Ion 56.10 (55.80 to 56.80): VU037293.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.69 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

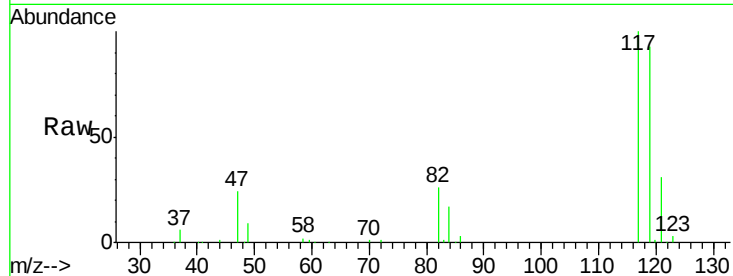
VICV05

Tgt Ion:117 Resp: 79372

Ion Ratio Lower Upper

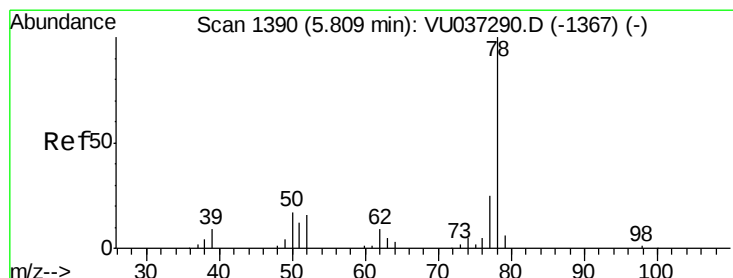
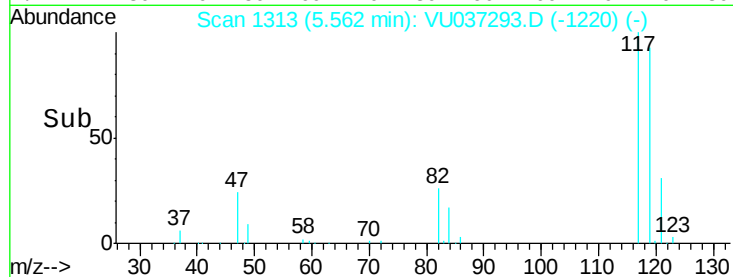
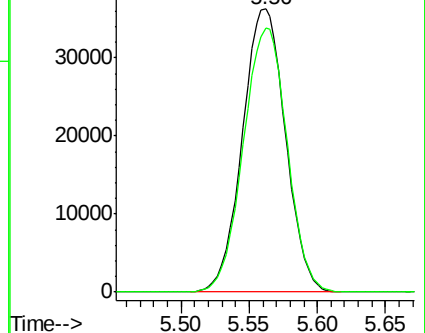
117 100

119 94.8 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.66 ug/L

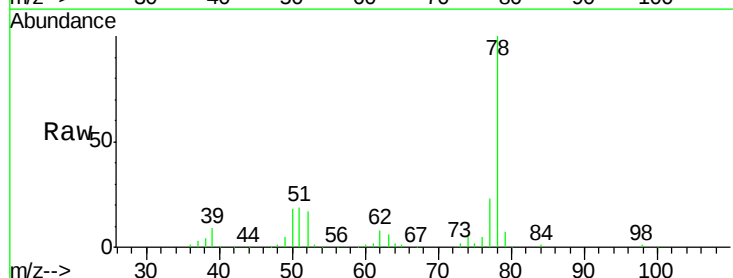
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

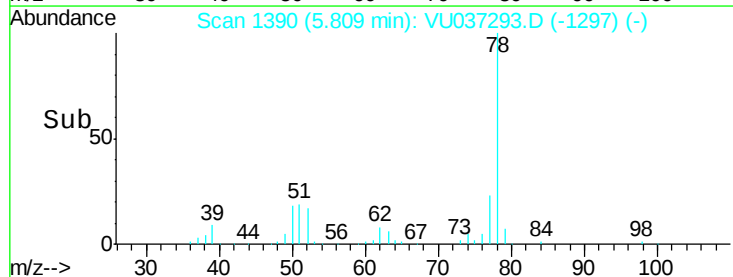
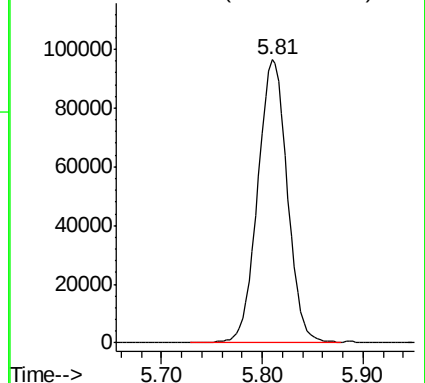
Lab File: VU037293.D

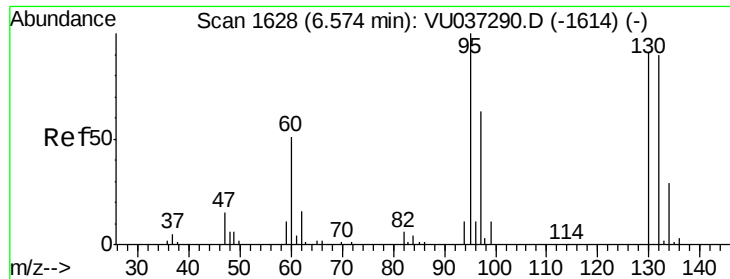
Acq: 16 Mar 2020 14:32

Tgt Ion: 78 Resp: 196890



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.71 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tgt Ion: 95 Resp: 54281

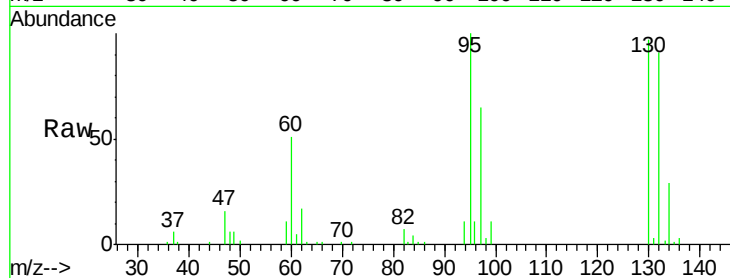
Ion Ratio Lower Upper

95 100

97 65.2 44.3 82.3

132 90.7 63.2 117.4

130 96.8 64.0 119.0

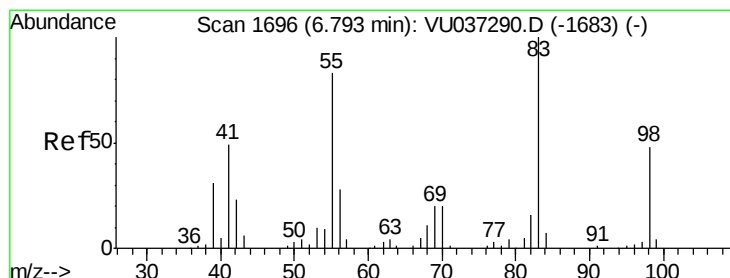
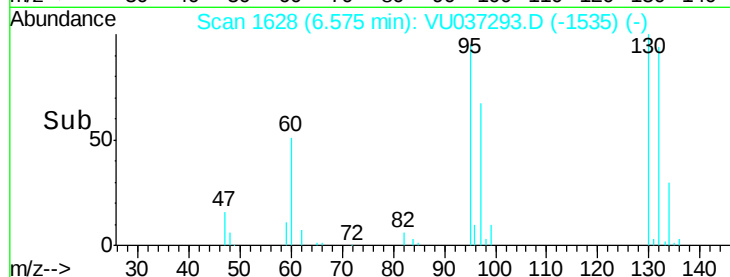
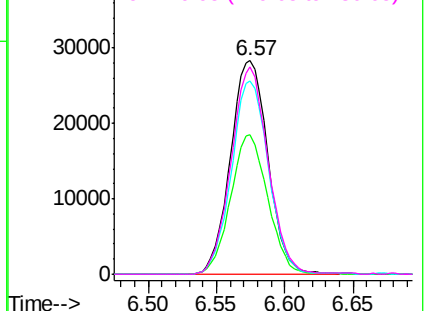


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.79 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

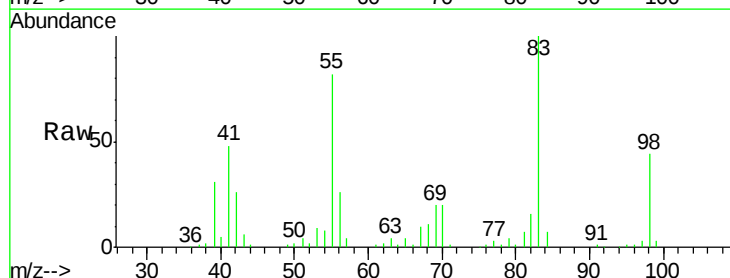
Tgt Ion: 83 Resp: 83493

Ion Ratio Lower Upper

83 100

55 80.5 67.0 100.6

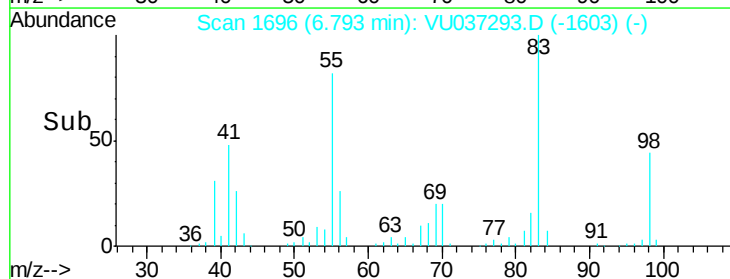
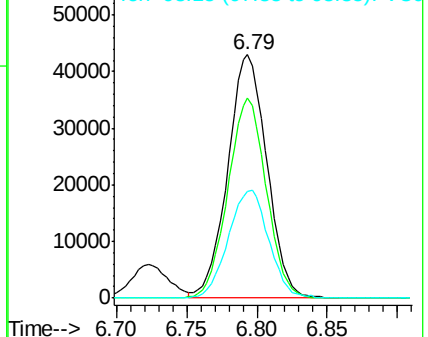
98 45.8 37.4 56.0

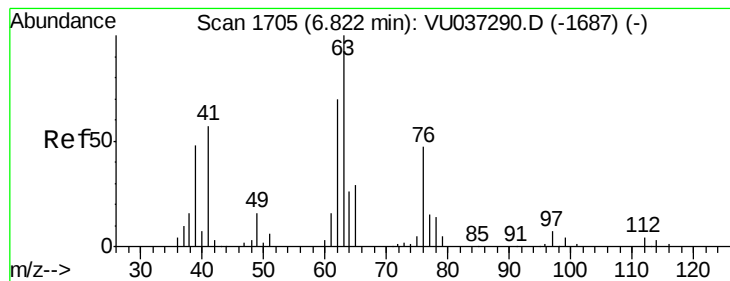


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.73 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

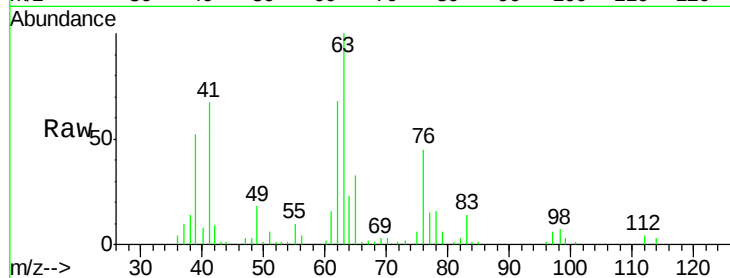
VICV05

Tgt Ion: 63 Resp: 52806

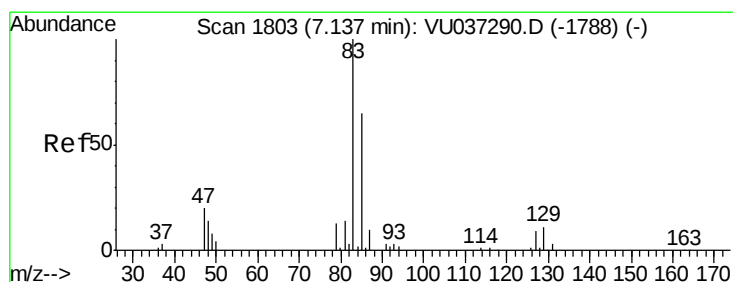
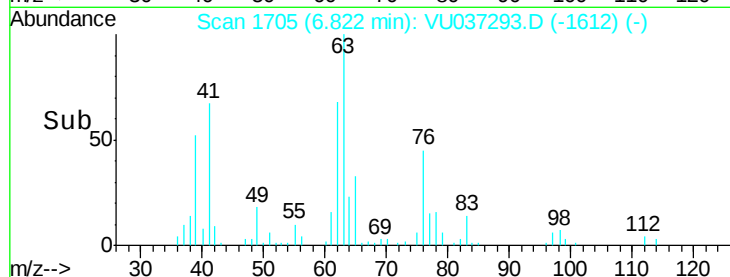
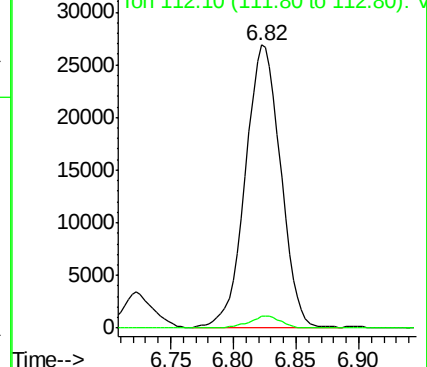
Ion Ratio Lower Upper

63 100

112 3.8 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU037293.D (-1612) (-)



#38

Bromodichloromethane

Concen: 4.54 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

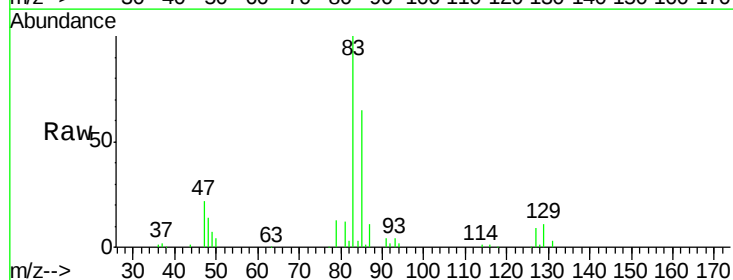
Tgt Ion: 83 Resp: 71347

Ion Ratio Lower Upper

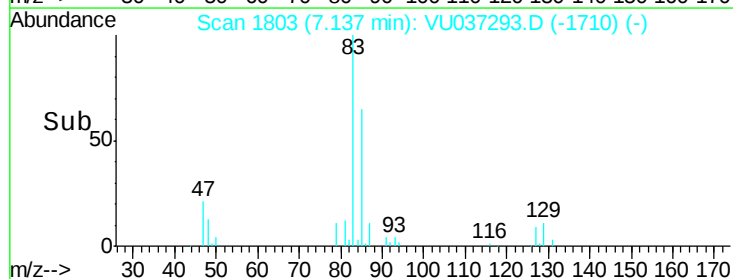
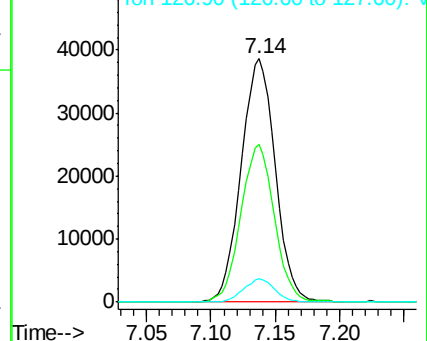
83 100

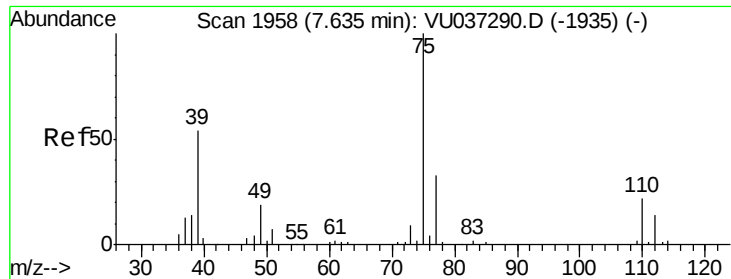
85 65.1 45.8 85.0

127 9.4 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VU037293.D (-1710) (-)

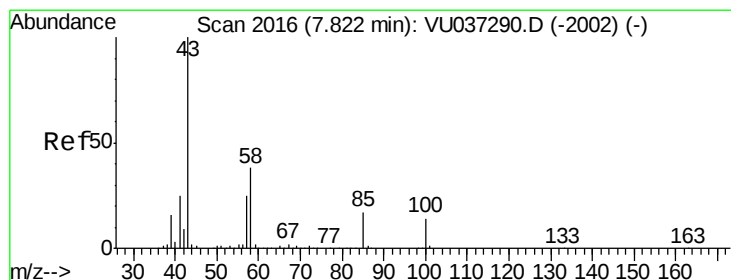
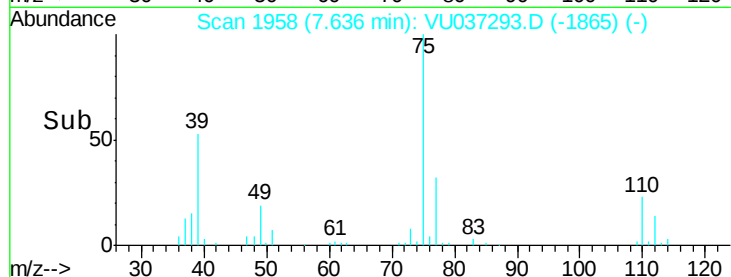
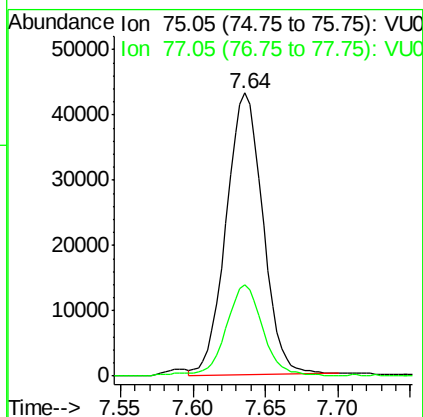
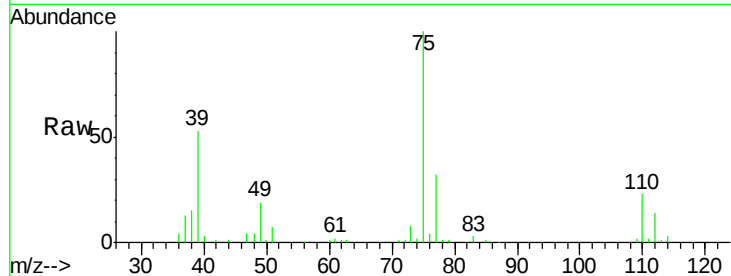




#39
 cis-1,3-Dichloropropene
 Concen: 4.51 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

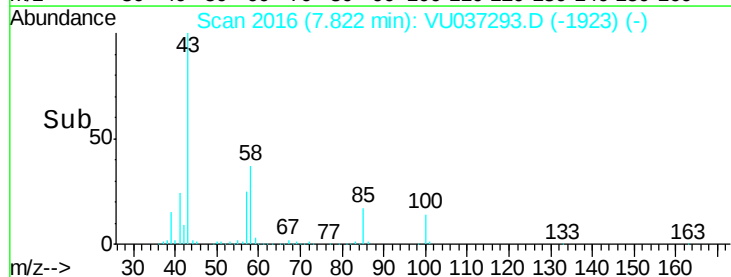
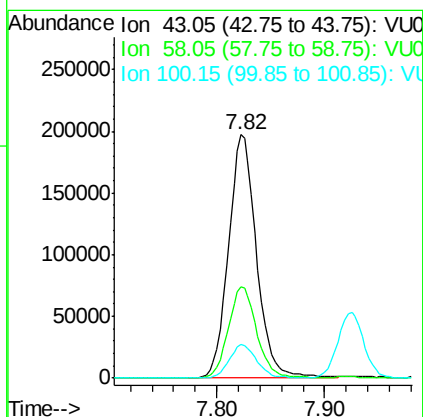
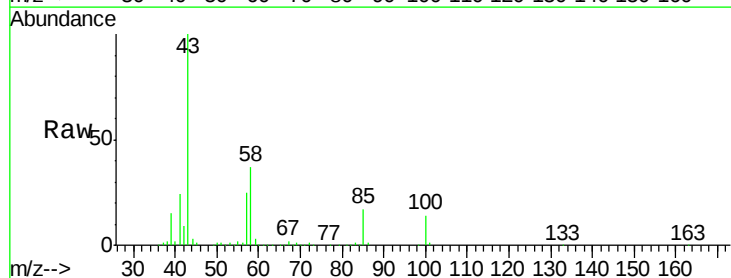
Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

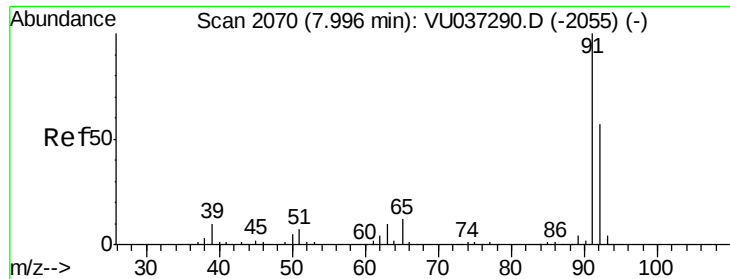
Tgt Ion: 75 Resp: 75790
 Ion Ratio Lower Upper
 75 100
 77 32.1 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 47.43 ug/L
 RT: 7.82 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

Tgt Ion: 43 Resp: 357230
 Ion Ratio Lower Upper
 43 100
 58 38.2 29.8 44.8
 100 13.6 11.3 16.9





#42

Toluene

Concen: 4.80 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

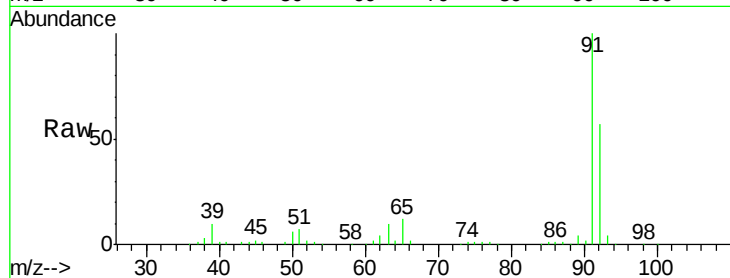
VICV05

Tgt Ion: 91 Resp: 218730

Ion Ratio Lower Upper

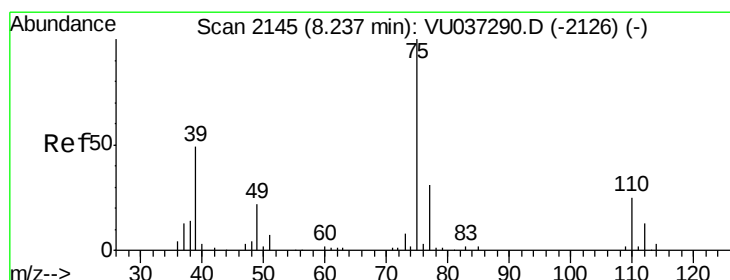
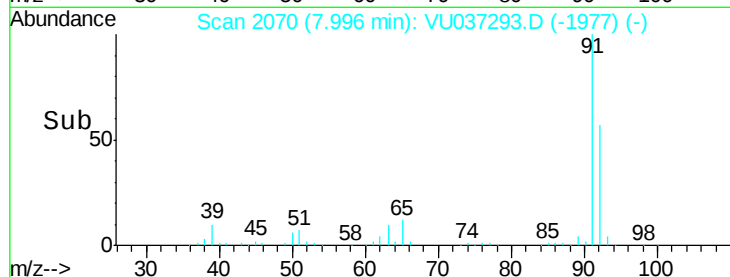
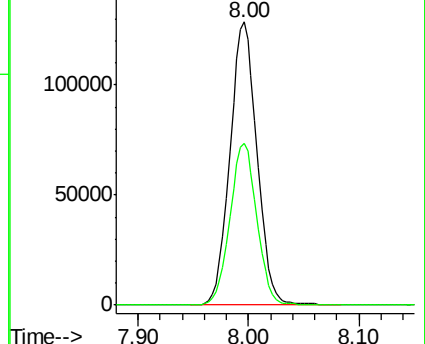
91 100

92 57.3 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU037293.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU037293.D (-1977) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.76 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VU037293.D

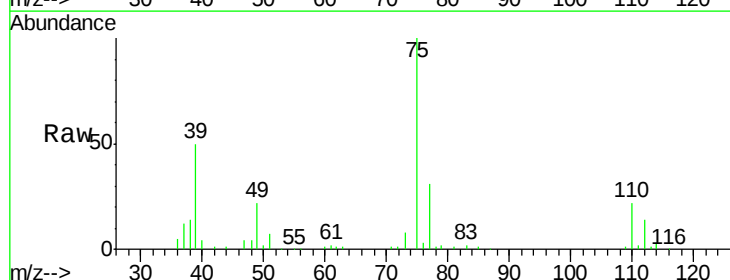
Acq: 16 Mar 2020 14:32

Tgt Ion: 75 Resp: 66976

Ion Ratio Lower Upper

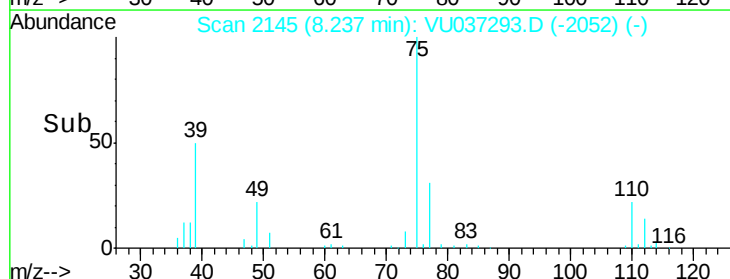
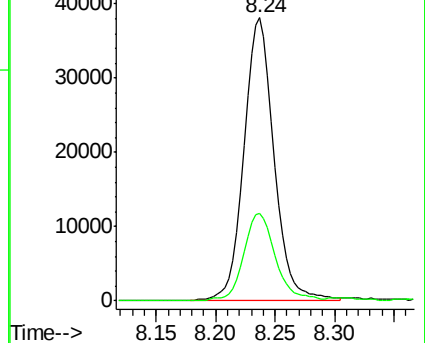
75 100

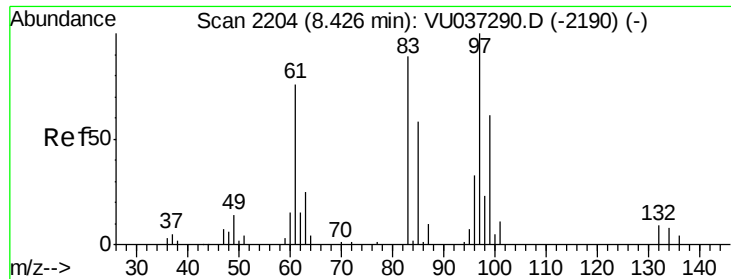
77 30.8 21.9 40.7



Abundance Ion 75.05 (74.75 to 75.75): VU037293.D (-2052) (-)

Ion 77.05 (76.75 to 77.75): VU037293.D (-2052) (-)





#45

1,1,2-Trichloroethane

Concen: 4.61 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tgt Ion: 97 Resp: 37089

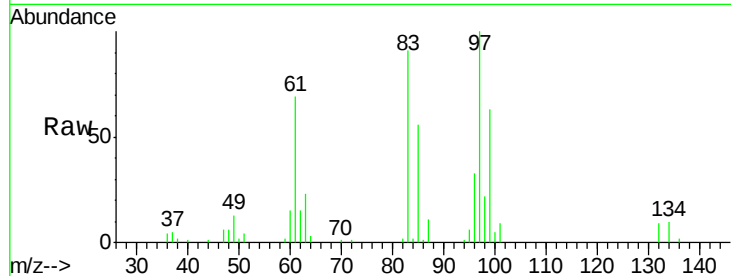
Ion Ratio Lower Upper

97 100

99 63.3 42.8 79.6

83 90.9 62.4 115.8

85 56.3 40.7 75.7

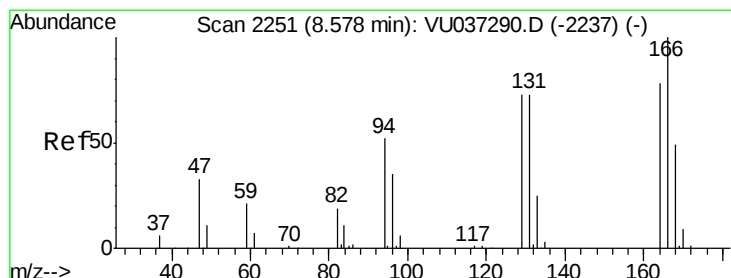
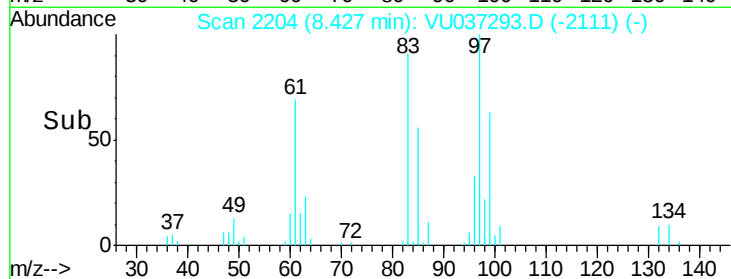
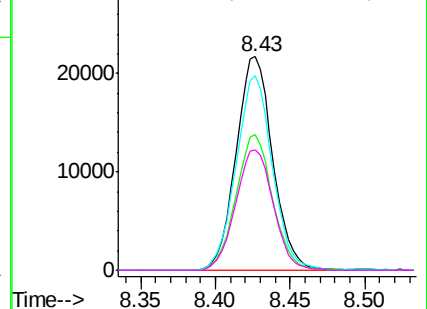


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.76 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Tgt Ion: 164 Resp: 42624

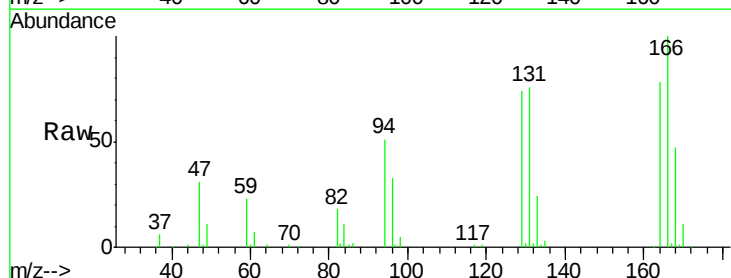
Ion Ratio Lower Upper

164 100

129 95.8 65.8 122.2

131 97.2 65.1 120.9

166 128.6 89.7 166.5

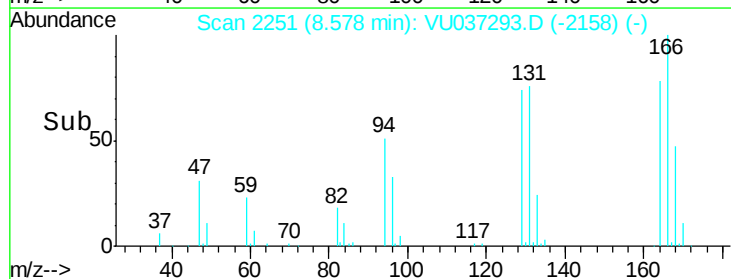
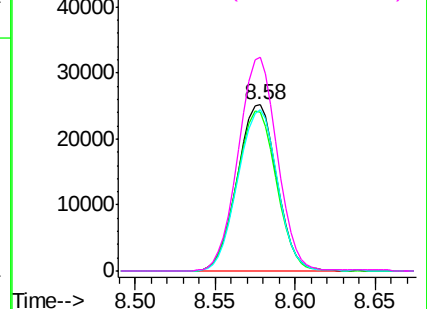


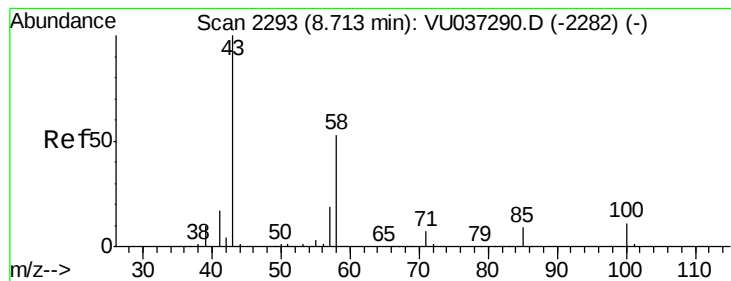
Abundance Ion 163.90 (163.60 to 164.60): V

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: 46.70 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

Tgt Ion: 43 Resp: 258232

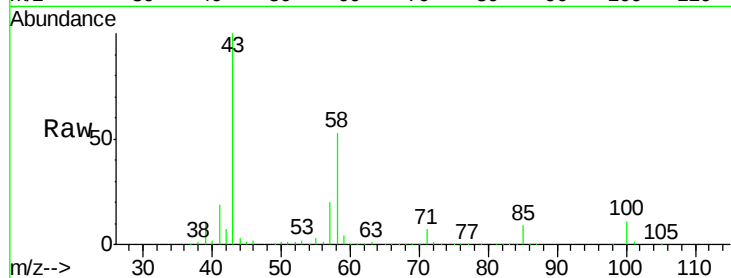
Ion Ratio Lower Upper

43 100

58 54.3 41.9 62.9

57 19.1 14.7 22.1

100 11.1 8.6 13.0

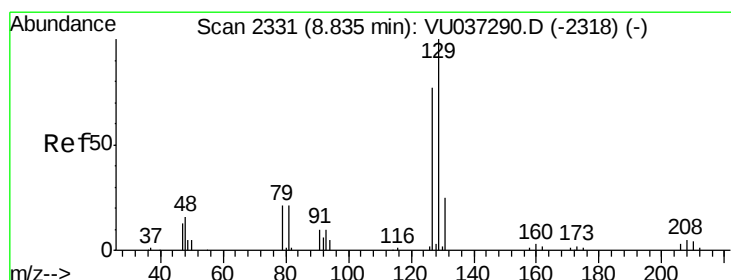
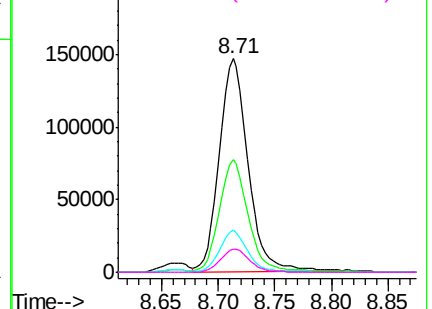
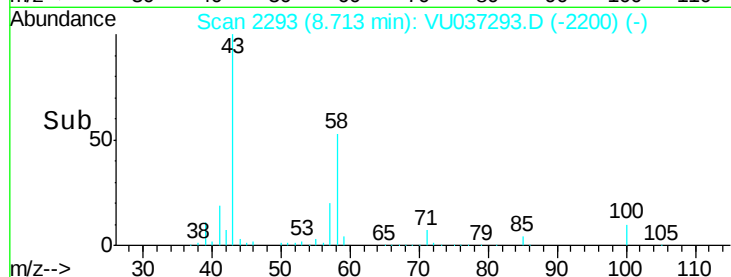


Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 4.73 ug/L

RT: 8.84 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU037293.D

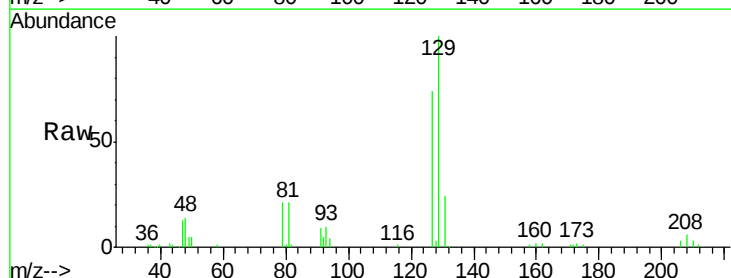
Acq: 16 Mar 2020 14:32

Tgt Ion: 129 Resp: 49708

Ion Ratio Lower Upper

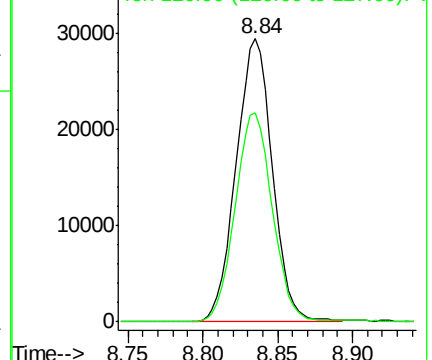
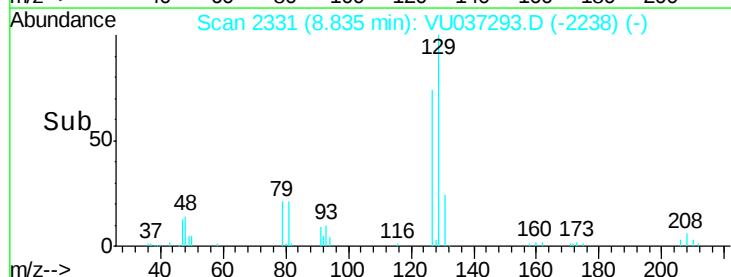
129 100

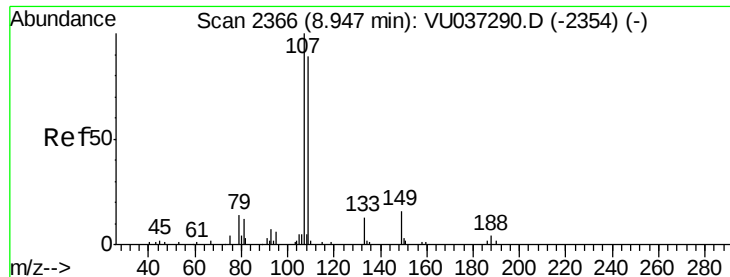
127 73.7 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

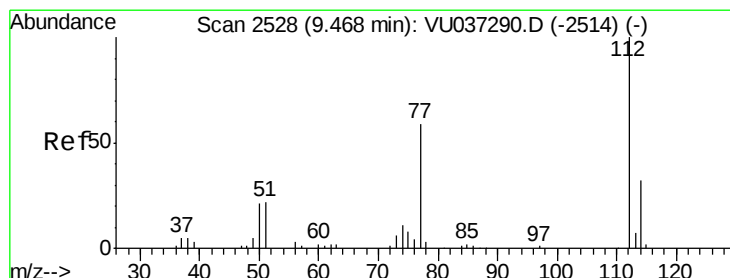
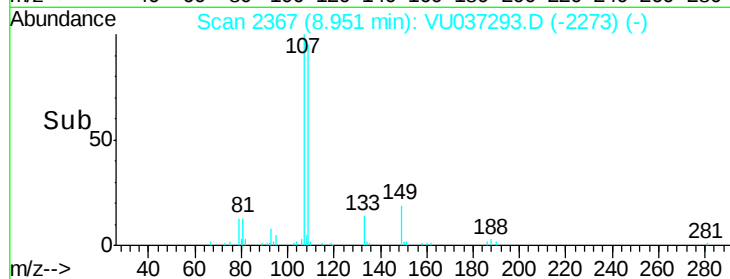
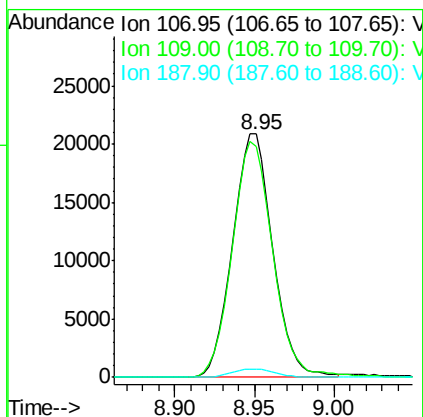
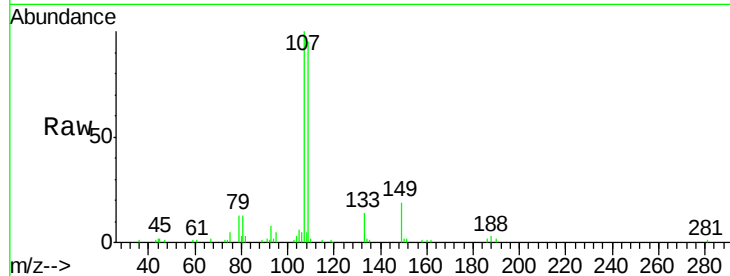




#50
1,2-Dibromoethane
Concen: 4.55 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

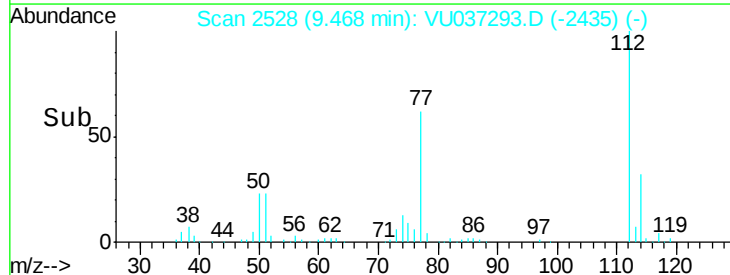
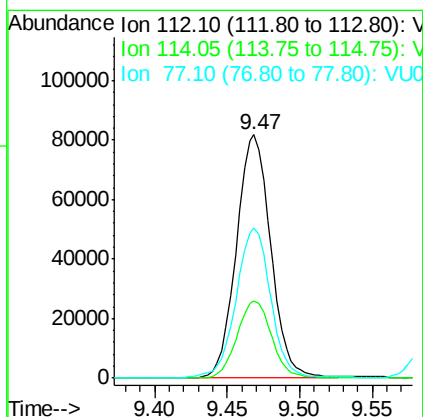
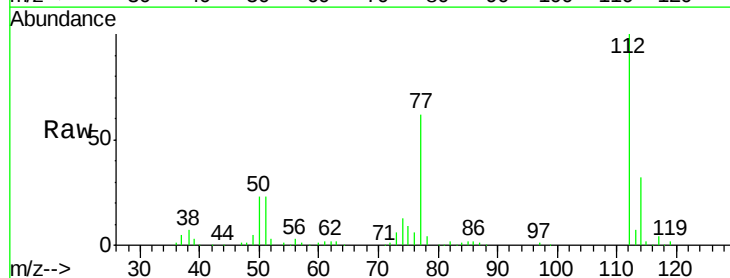
Instrument :
MSVOA_U
ClientSampleId :
VICV05

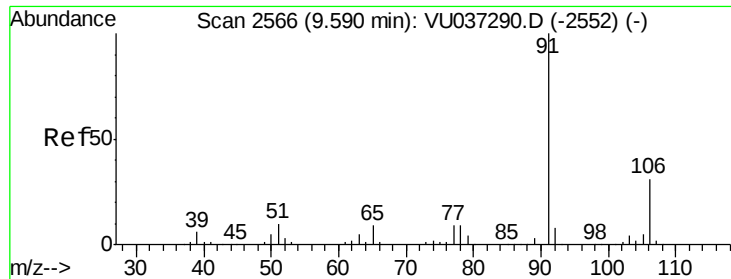
Tgt Ion:107 Resp: 35603
Ion Ratio Lower Upper
107 100
109 94.7 62.3 115.7
188 3.4 3.0 4.6



#51
Chlorobenzene
Concen: 4.59 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Tgt Ion:112 Resp: 134965
Ion Ratio Lower Upper
112 100
114 31.7 22.1 41.1
77 61.8 47.8 71.6





#52

Ethylbenzene

Concen: 4.70 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

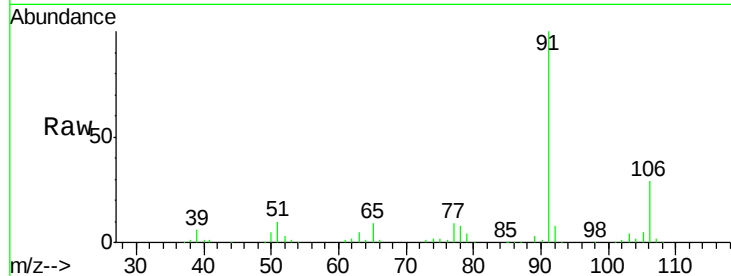
VICV05

Tgt Ion: 91 Resp: 242792

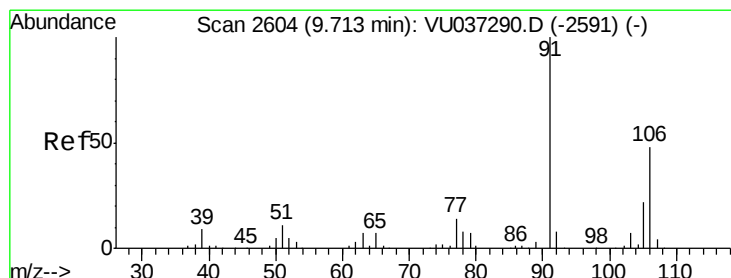
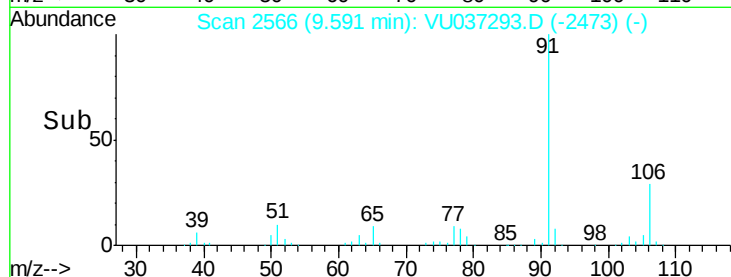
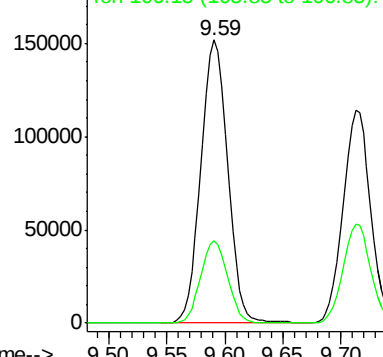
Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU037293.D (-2552) (-)



#53

m,p-Xylene

Concen: 4.70 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU037293.D

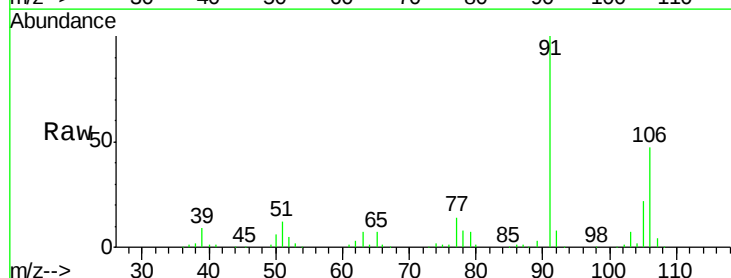
Acq: 16 Mar 2020 14:32

Tgt Ion: 106 Resp: 89224

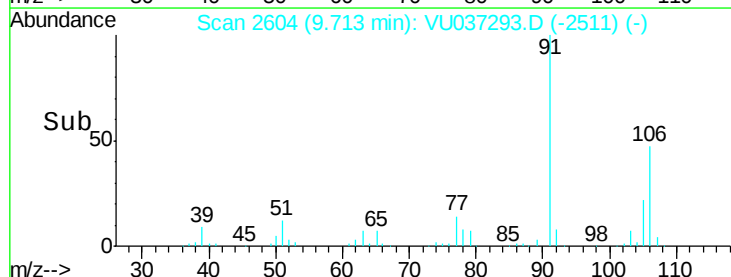
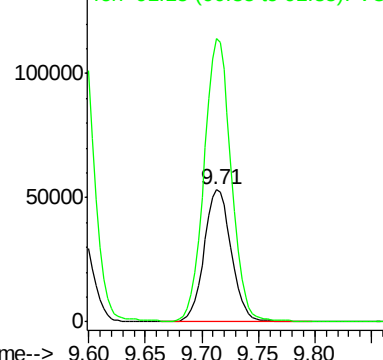
Ion Ratio Lower Upper

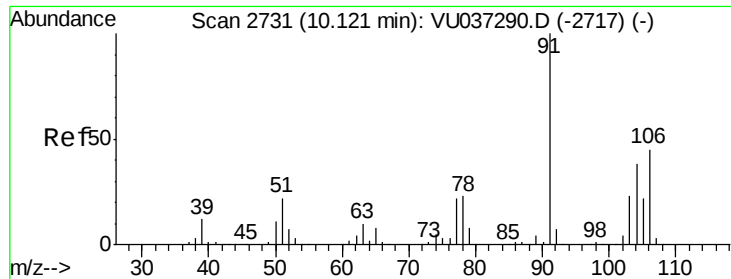
106 100

91 214.6 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU037293.D (-2591) (-)

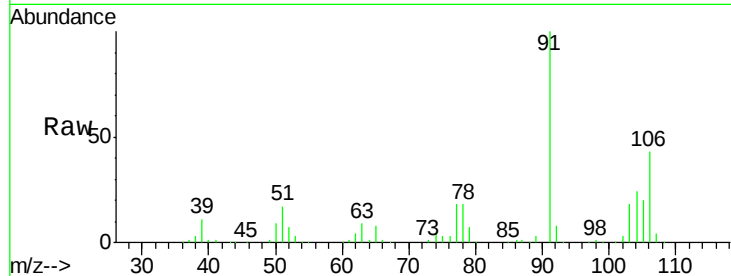




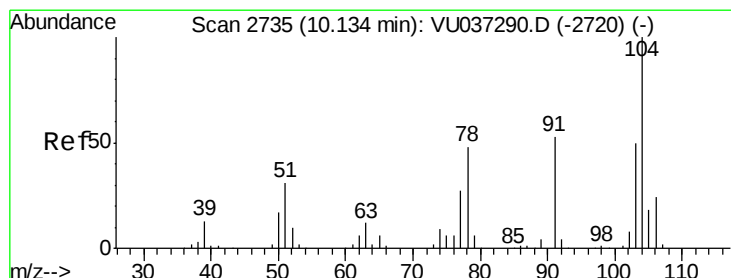
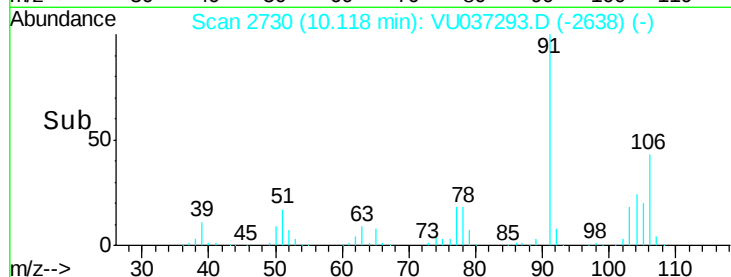
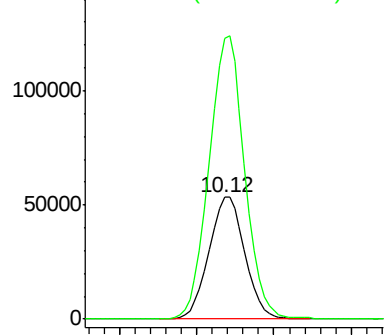
#54
o-Xylene
Concen: 4.77 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Instrument :
MSVOA_U
ClientSampleId :
VICV05

Tgt Ion:106 Resp: 86436
Ion Ratio Lower Upper
106 100
91 230.1 155.8 289.3

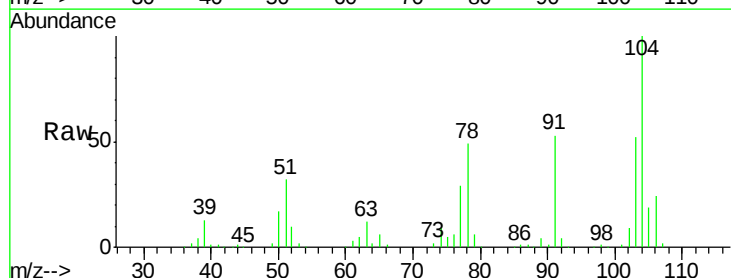


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

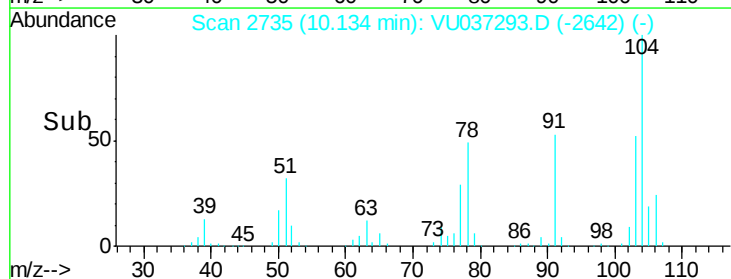
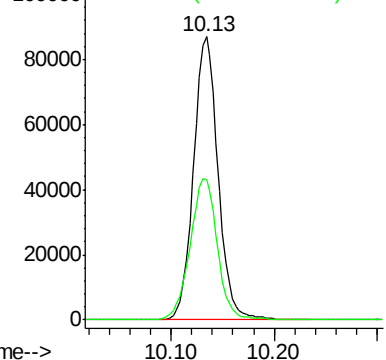


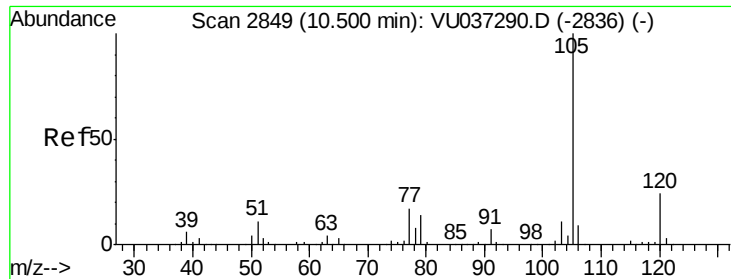
#55
Styrene
Concen: 4.72 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VU037293.D
Acq: 16 Mar 2020 14:32

Tgt Ion:104 Resp: 144046
Ion Ratio Lower Upper
104 100
78 49.5 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: 4.74 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

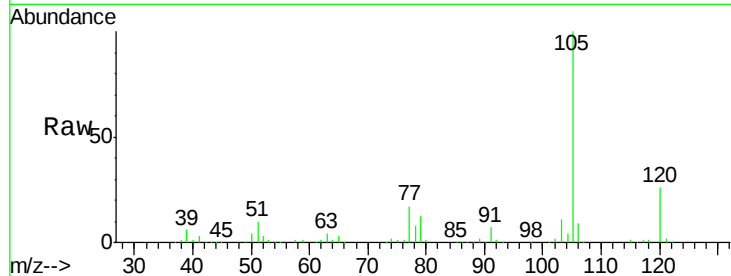
Tgt Ion: 105 Resp: 240071

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.2

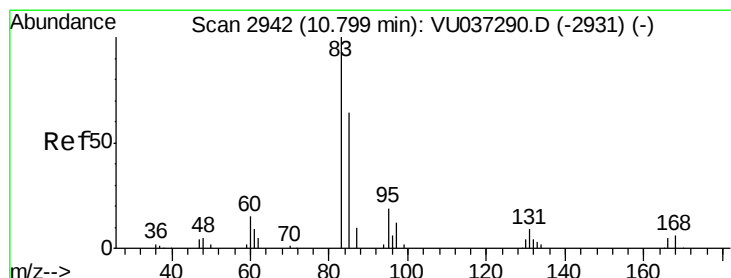
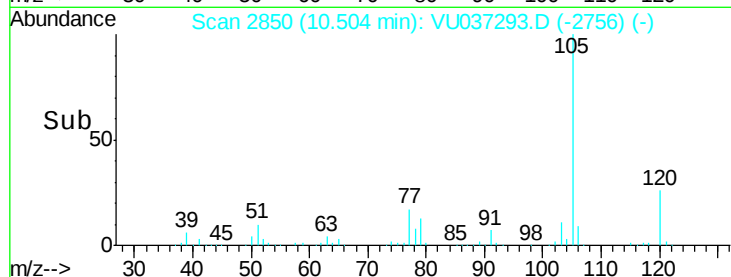
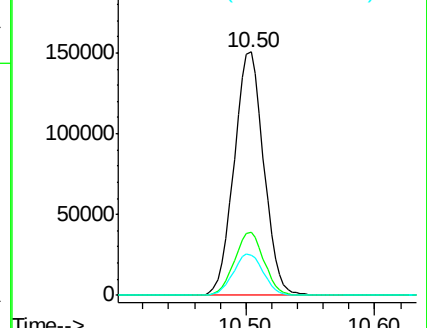
77 17.3 13.8 20.6



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: 4.52 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

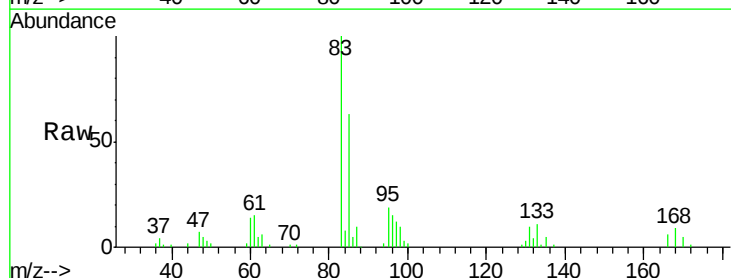
Tgt Ion: 83 Resp: 48010

Ion Ratio Lower Upper

83 100

85 62.7 45.9 85.3

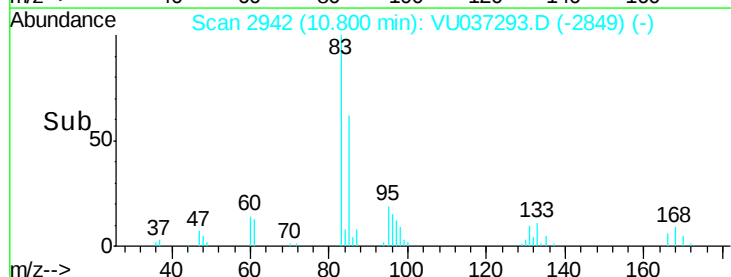
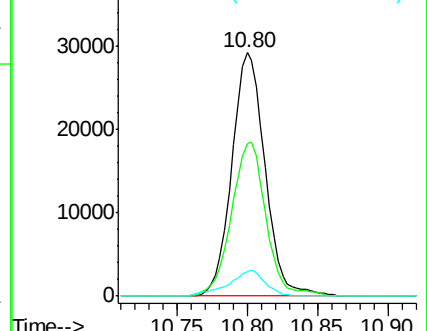
131 10.3 7.5 11.3

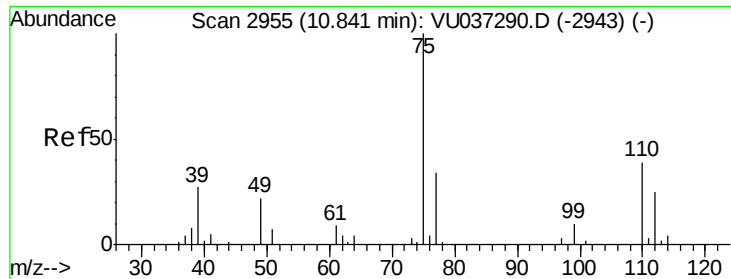


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.50 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

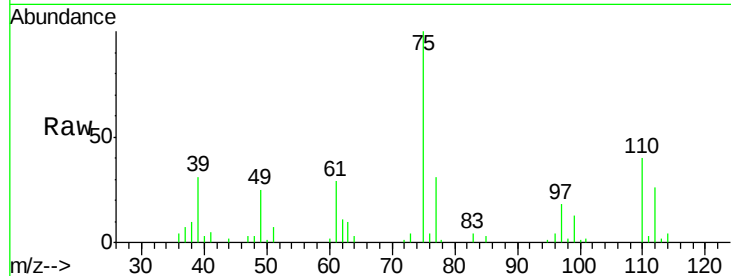
VICV05

Tgt Ion: 75 Resp: 35668

Ion Ratio Lower Upper

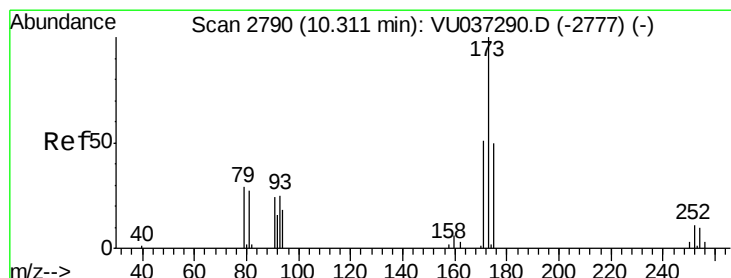
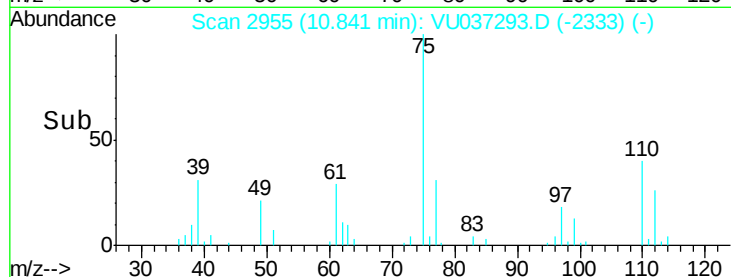
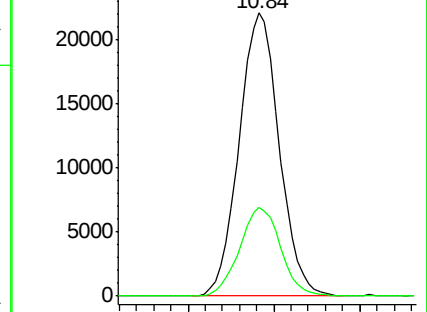
75 100

77 32.0 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU037290.D (-2943) (-)

Ion 77.00 (76.70 to 77.70): VU037290.D (-2943) (-)



#61

Bromoform

Concen: 4.55 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

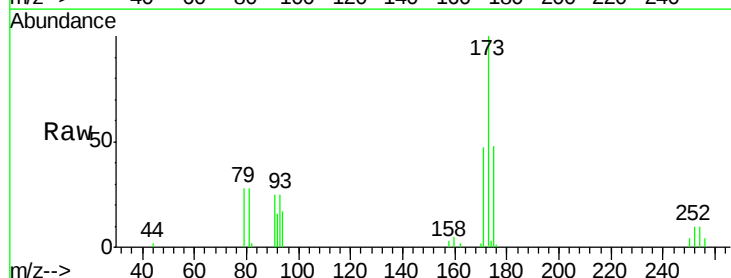
Tgt Ion: 173 Resp: 28166

Ion Ratio Lower Upper

173 100

175 49.8 38.2 57.2

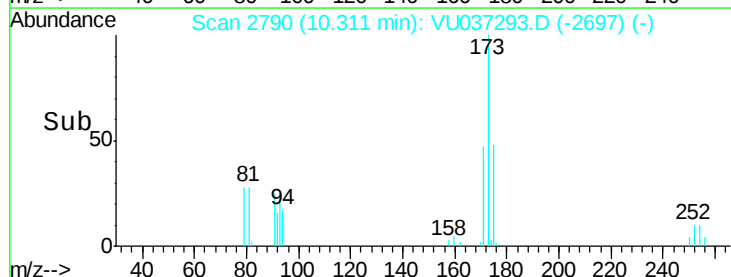
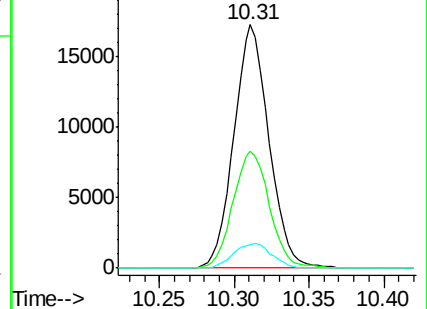
254 10.8 7.8 11.8

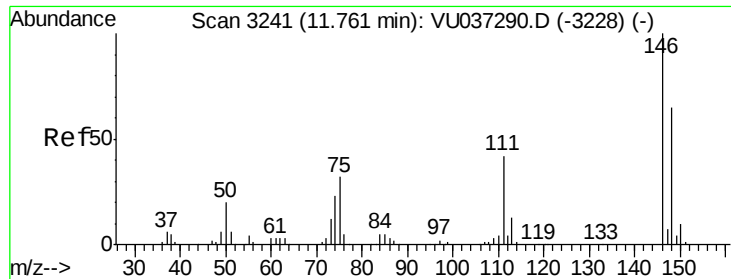


Abundance Ion 172.90 (172.60 to 173.60): VU037290.D (-2777) (-)

Ion 174.90 (174.60 to 175.60): VU037290.D (-2777) (-)

Ion 253.75 (253.45 to 254.45): VU037290.D (-2777) (-)





#62

1,3-Dichlorobenzene

Concen: 4.69 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

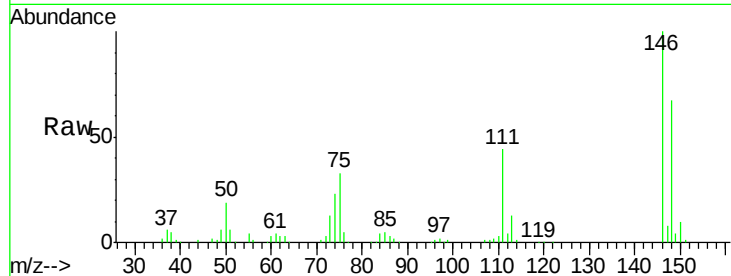
Tgt Ion:146 Resp: 110581

Ion Ratio Lower Upper

146 100

111 43.7 29.6 55.0

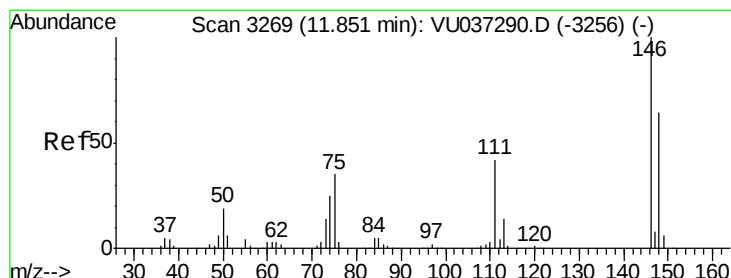
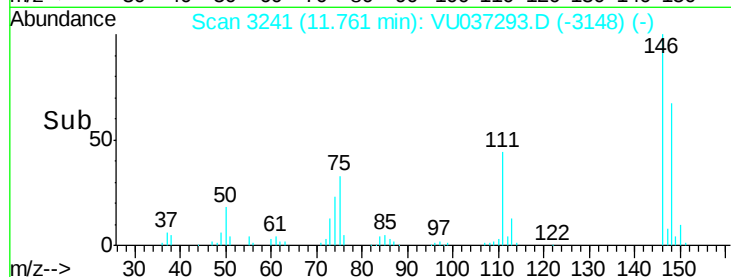
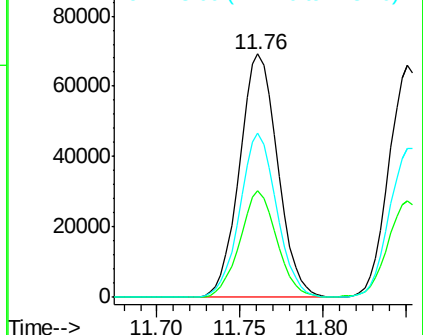
148 67.4 45.6 84.8



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: 4.59 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

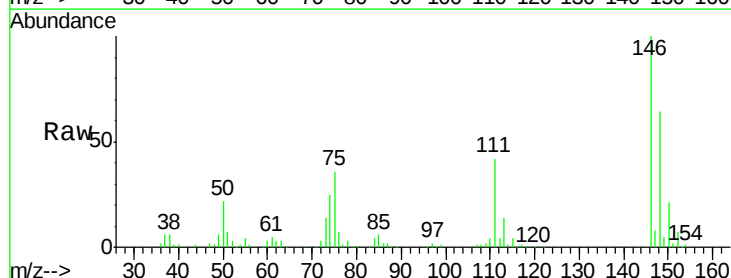
Tgt Ion:146 Resp: 107694

Ion Ratio Lower Upper

146 100

111 41.6 29.0 53.9

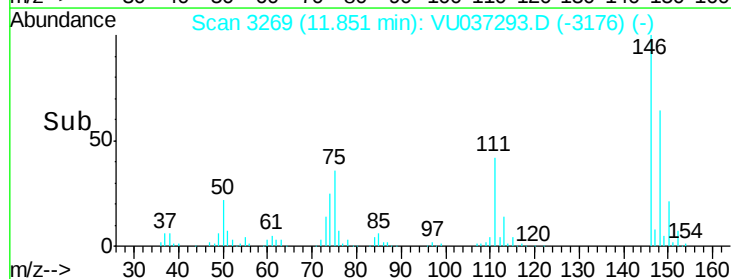
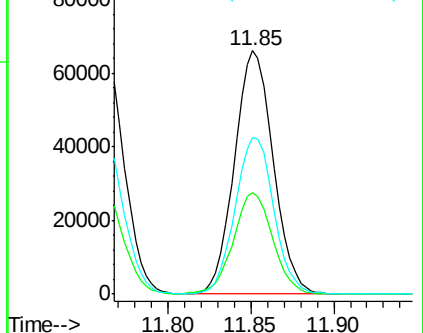
148 64.1 45.1 83.9

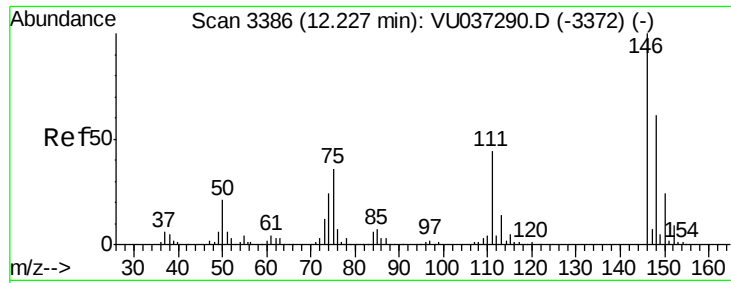


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.61 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampled :

VICV05

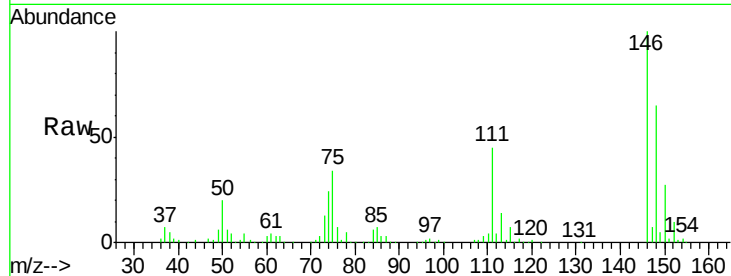
Tgt Ion:146 Resp: 105667

Ion Ratio Lower Upper

146 100

111 45.1 35.4 53.2

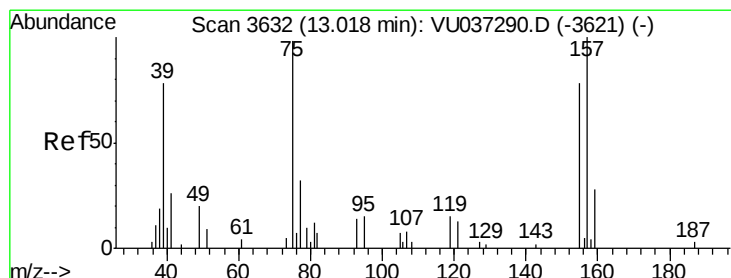
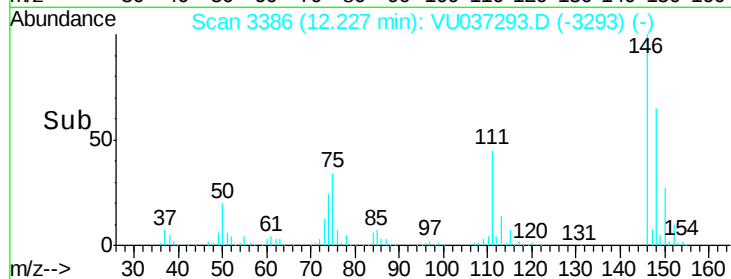
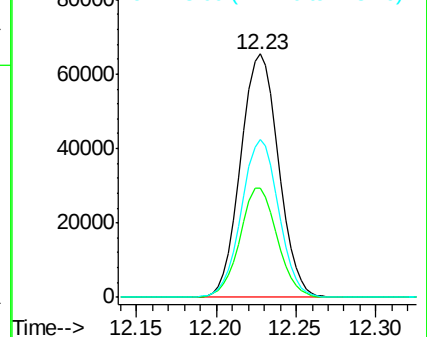
148 64.7 48.8 73.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.78 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

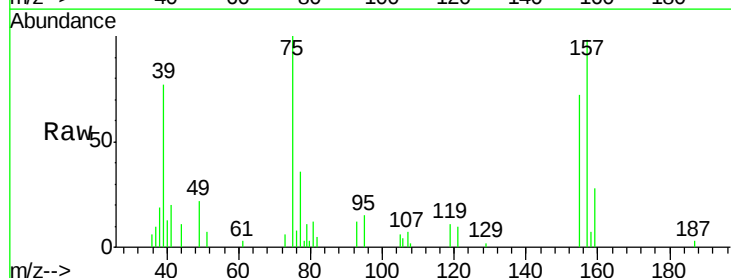
Tgt Ion: 75 Resp: 8538

Ion Ratio Lower Upper

75 100

155 72.5 63.7 95.5

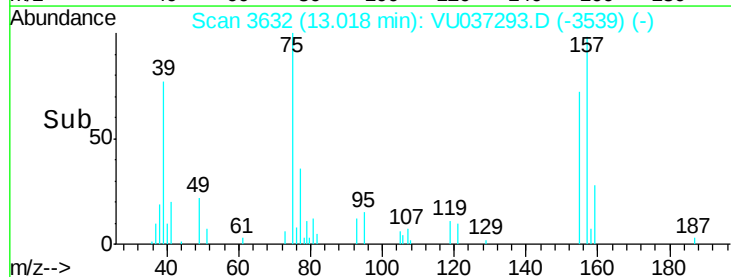
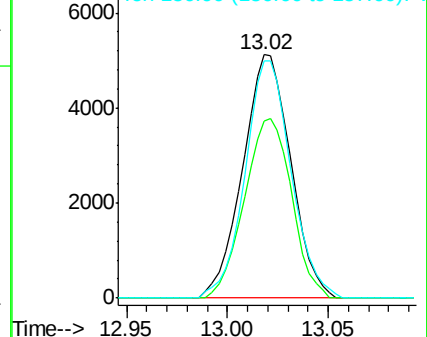
157 97.6 81.5 122.3

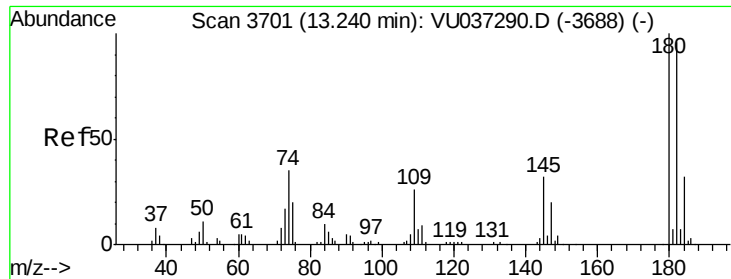


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

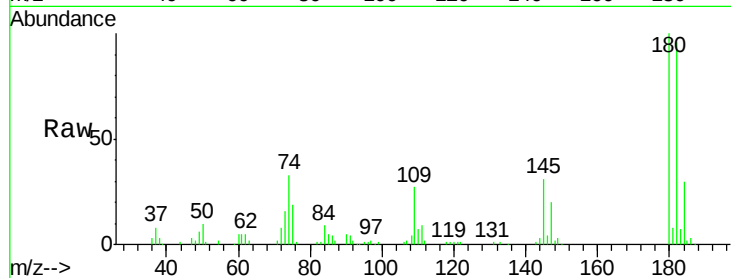




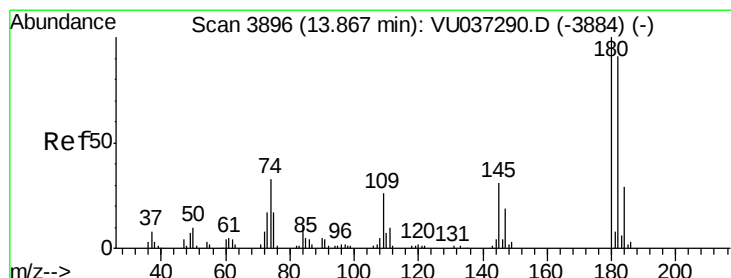
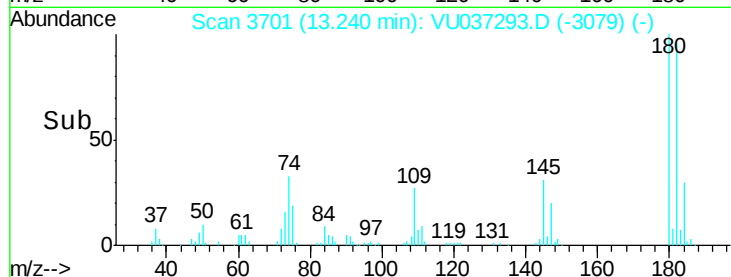
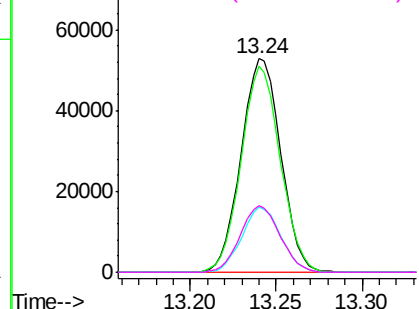
#67
 1,3,5-Trichlorobenzene
 Concen: 4.72 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV05

Tgt Ion:180 Resp: 84773
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.2 114.4
 184 29.8 24.4 36.6
 145 31.0 24.6 36.8

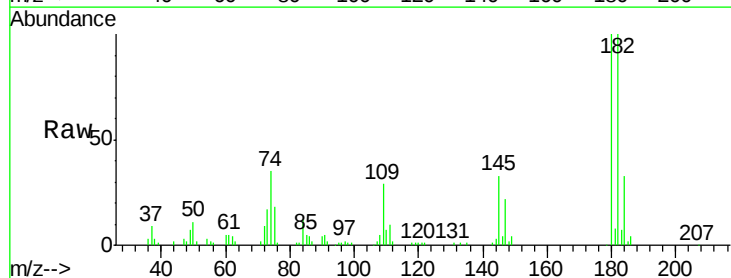


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

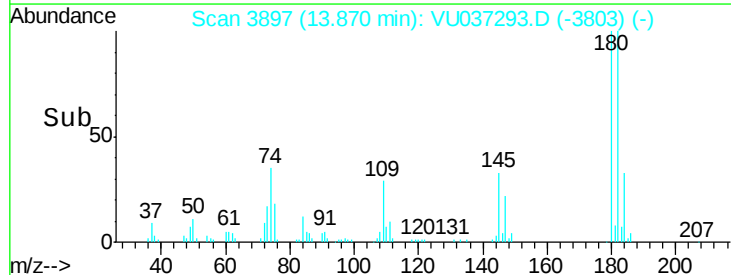
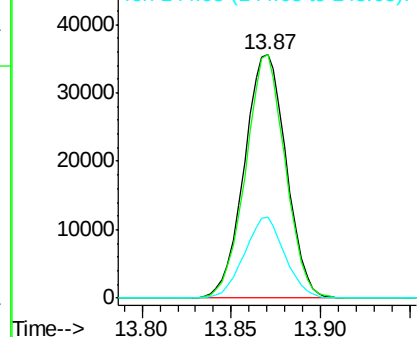


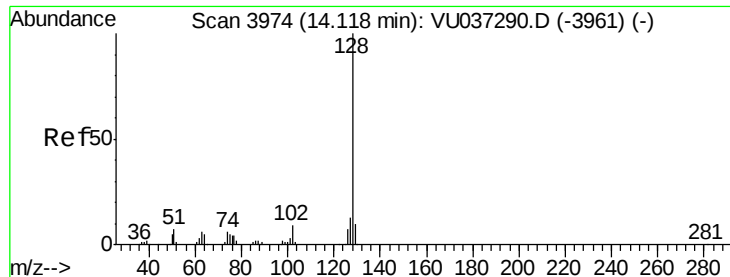
#68
 1,2,4-trichlorobenzene
 Concen: 4.68 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU037293.D
 Acq: 16 Mar 2020 14:32

Tgt Ion:180 Resp: 58439
 Ion Ratio Lower Upper
 180 100
 182 94.4 73.8 110.6
 145 32.0 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: 4.39 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

Instrument :

MSVOA_U

ClientSampleId :

VICV05

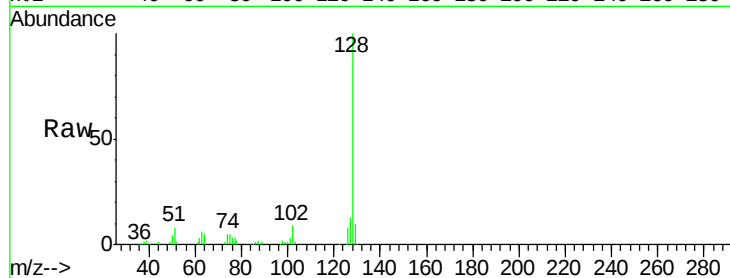
Tgt Ion:128 Resp: 78439

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

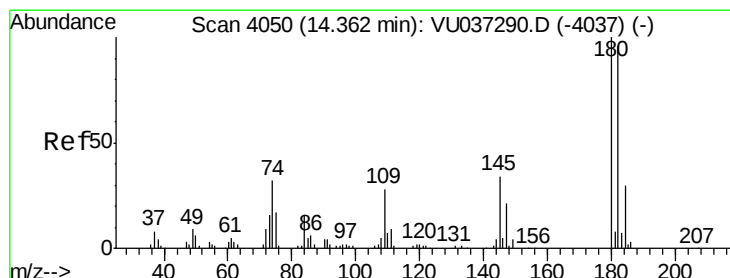
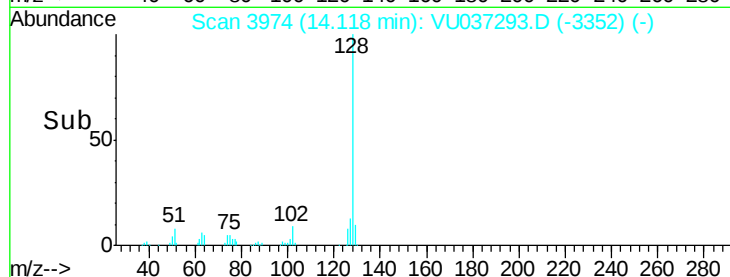
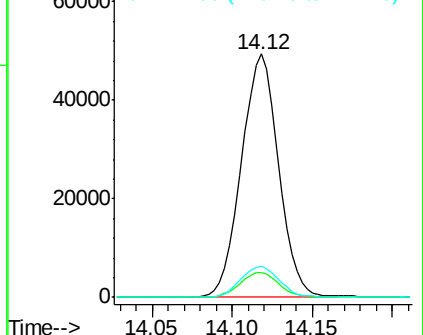
127 13.2 10.0 15.0



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: 4.66 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU037293.D

Acq: 16 Mar 2020 14:32

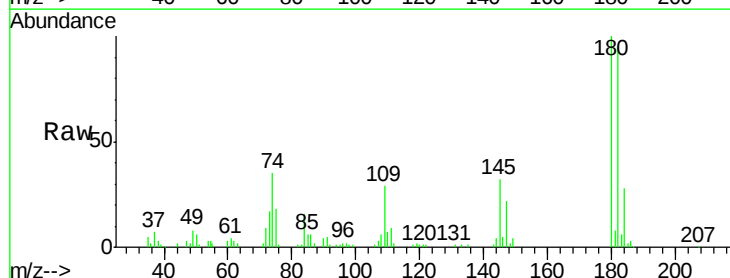
Tgt Ion:180 Resp: 56354

Ion Ratio Lower Upper

180 100

182 93.9 77.4 116.2

145 33.3 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

