

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101120\
 Data File : VU040645.D
 Acq On : 10 Oct 2020 19:24
 Operator : SY/MD
 Sample : L4352-22DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ15DL

Quant Time: Oct 12 07:15:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 12 07:06:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122470	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123040	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40771	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.92	69	35303	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.58	63	61363	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.65	46	175275	53.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	5.08	84	83911	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.72	65	52524	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.74	84	156275	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	54637	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.91	98	126354	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	8.19	79	21432	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	123518	51.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48908	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	53558	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	501	0.048 ug/L	100
5) Vinyl chloride	1.61	62	25418	2.326 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	457	0.045 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	657	0.075 ug/L #	1
16) Methylene chloride	3.06	84	1700	0.152 ug/L	80
18) trans-1,2-Dichloroethene	3.37	96	2245	0.245 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	105066	10.651 ug/L	96
25) Chloroform	5.11	83	2103	0.109 ug/L	88
34) Trichloroethene	6.56	95	1035	0.101 ug/L	92
35) Methylcyclohexane	6.71	83	12821	0.882 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6253	0.568 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1705	0.113 ug/L	90
44) trans-1,3-Dichloropropene	8.18	75	995	0.072 ug/L	84
48) 2-Hexanone	8.64	43	18722	2.864 ug/L #	71
59) 1,2,3-Trichloropropane	11.81	75	7631	0.943 ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 12 07:06:57 2020
Response via : Initial Calibration

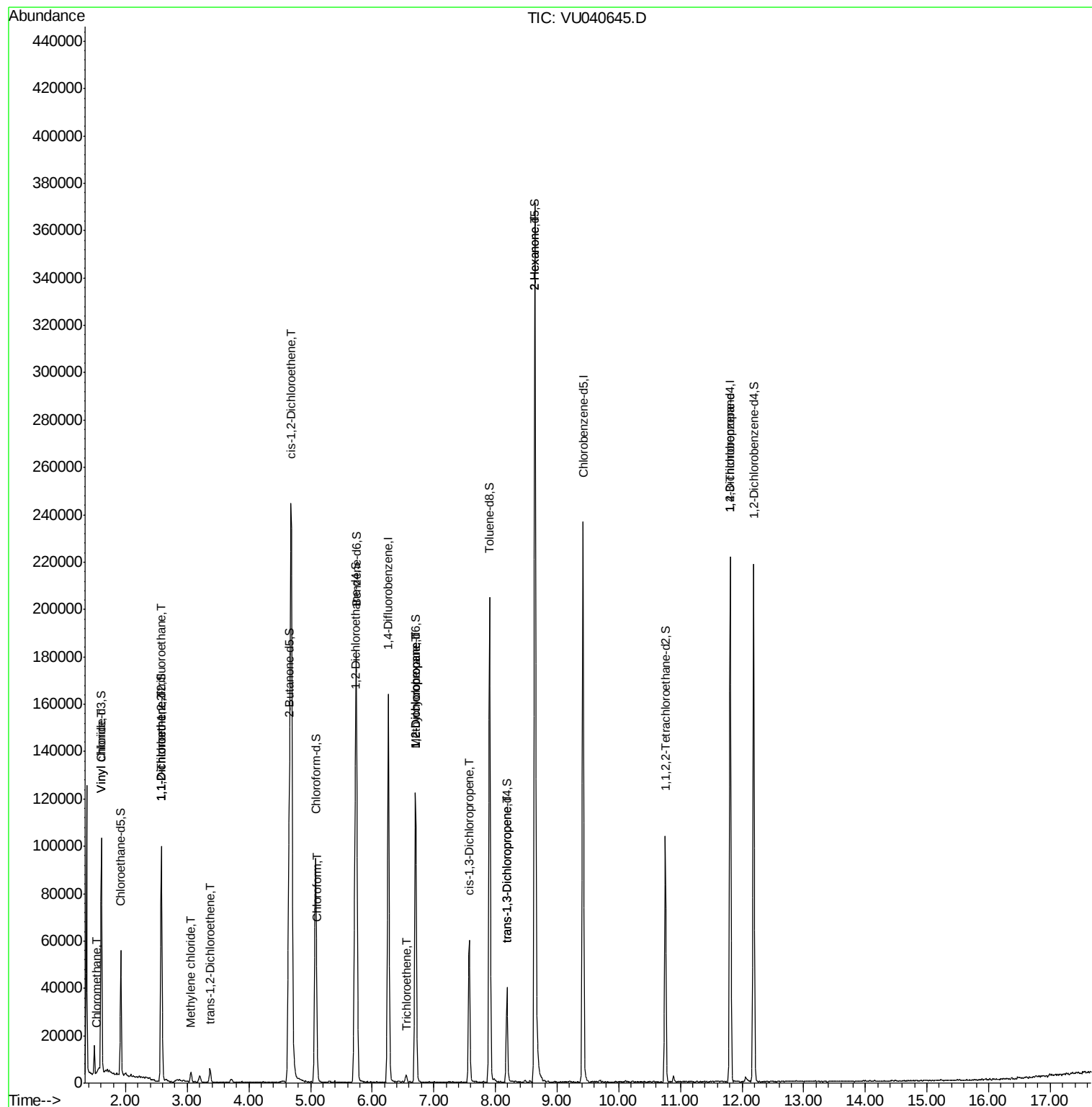
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

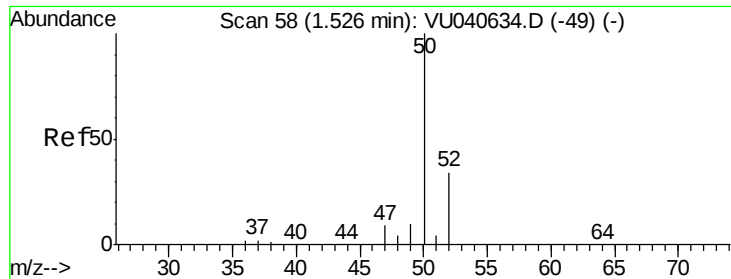
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Mon Oct 12 07:06:57 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.048 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampled :

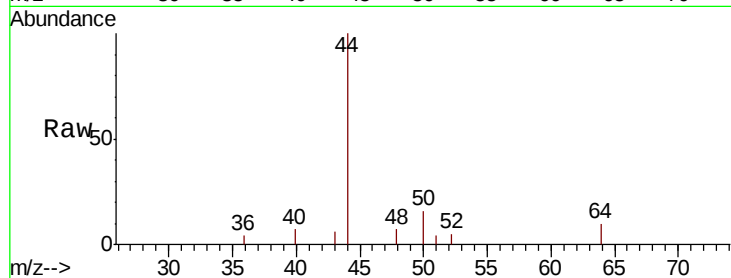
ETZ15DL

Tot Ion: 50 Resp: 501

Ion Ratio Lower Upper

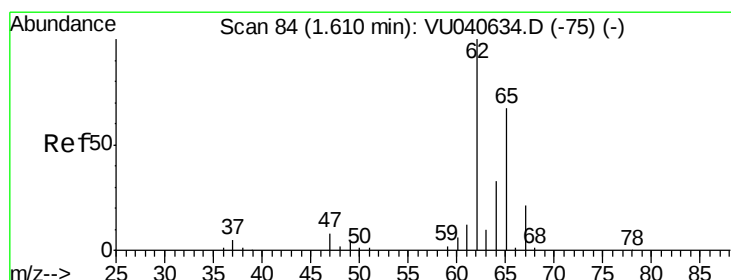
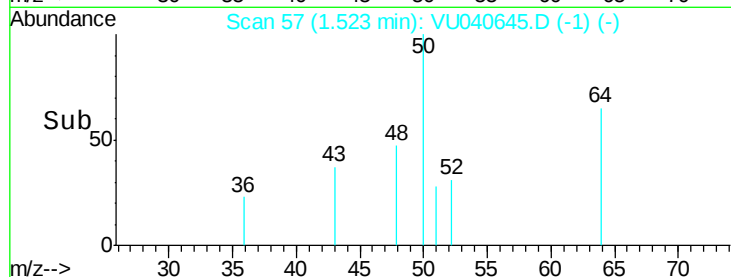
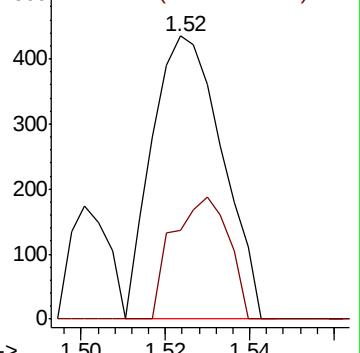
50 100

52 31.5 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 2.326 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040645.D

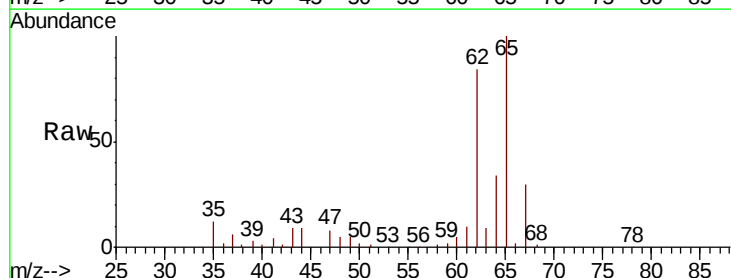
Acq: 10 Oct 2020 19:24

Tgt Ion: 62 Resp: 25418

Ion Ratio Lower Upper

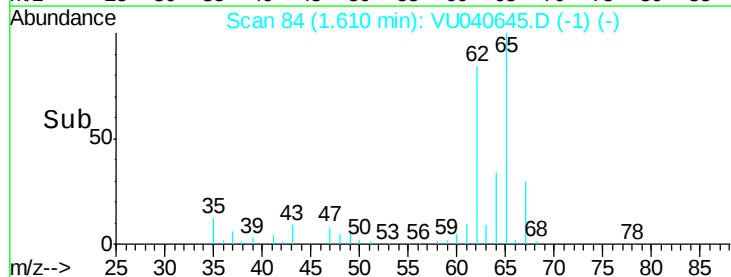
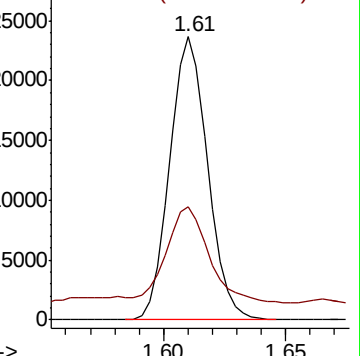
62 100

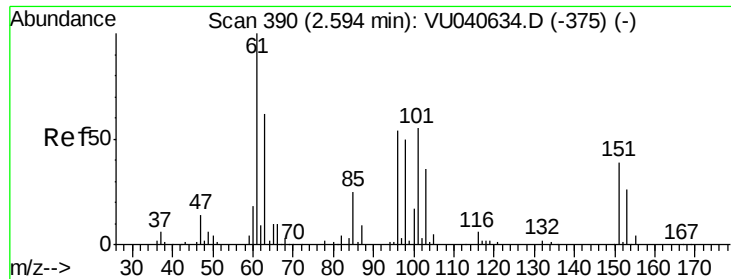
64 40.2 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ15DL

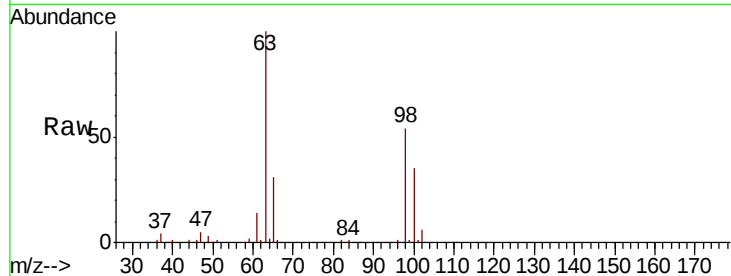
Tot Ion:101 Resp: 457

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

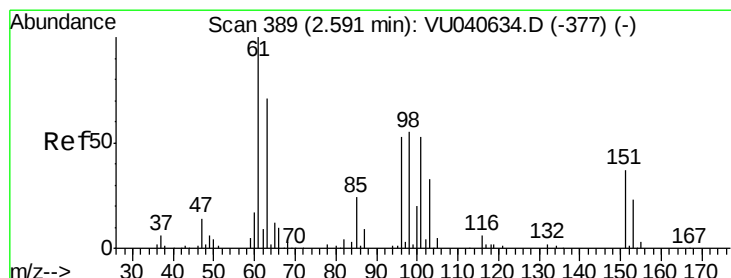
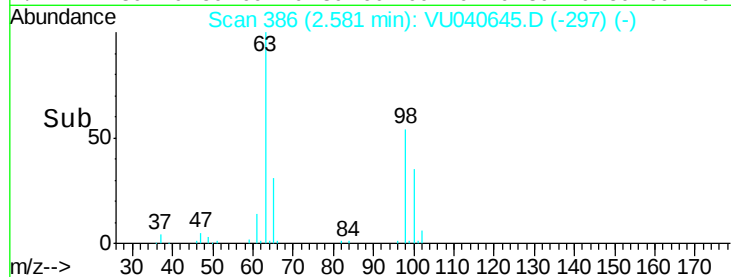
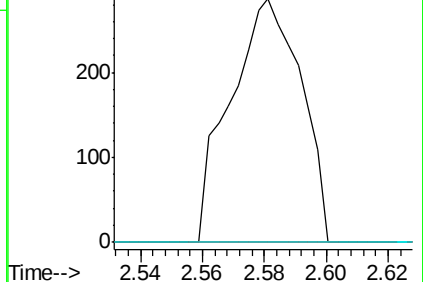
151 0.0 58.0 87.0#



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: 0.075 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

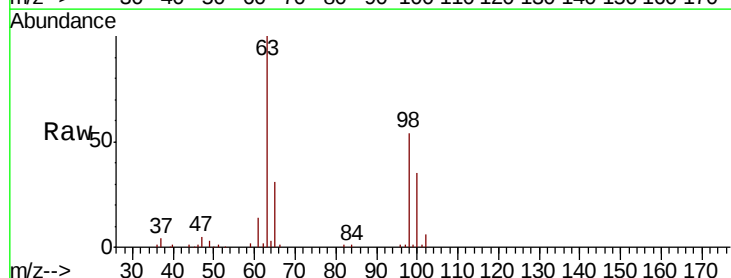
Tgt Ion: 96 Resp: 657

Ion Ratio Lower Upper

96 100

61 1150.2 128.8 239.2#

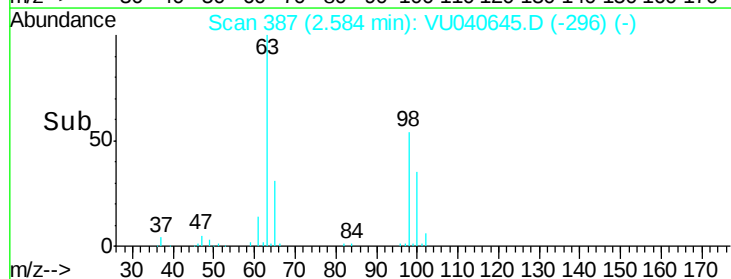
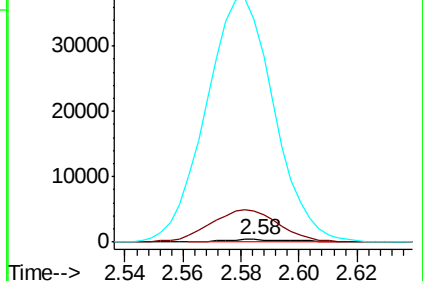
63 8125.7 84.6 157.2#

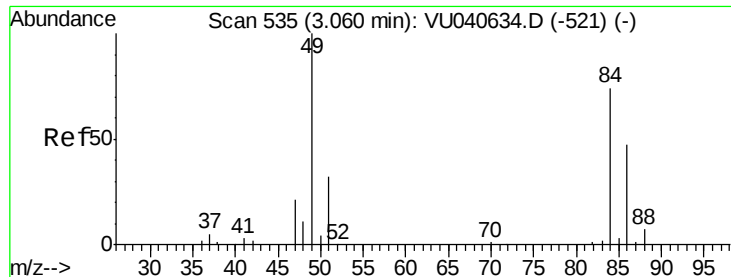


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

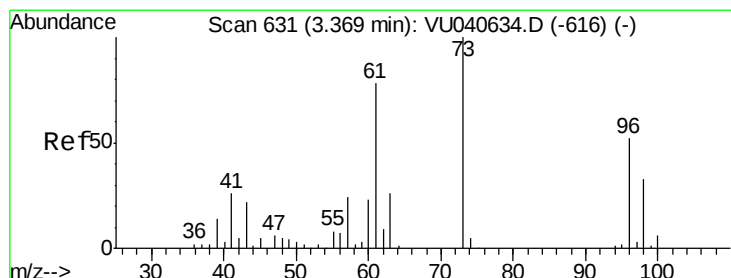
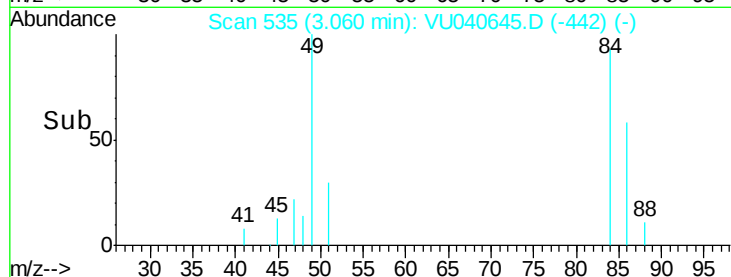
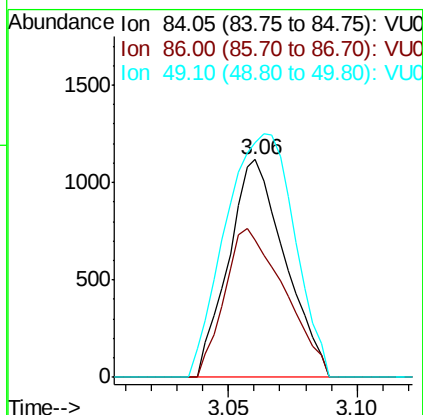
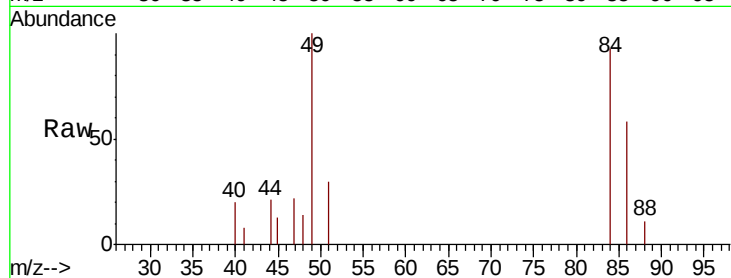




#16
Methvlene chloride
Concen: 0.152 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040645.D
Acq: 10 Oct 2020 19:24

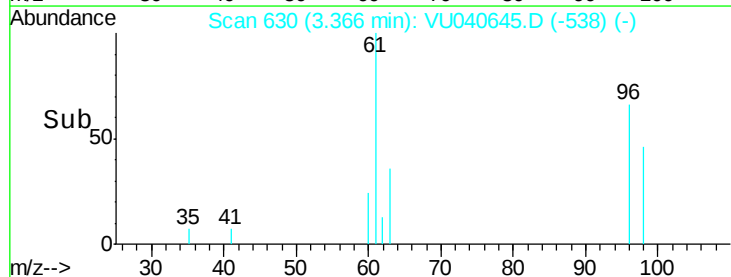
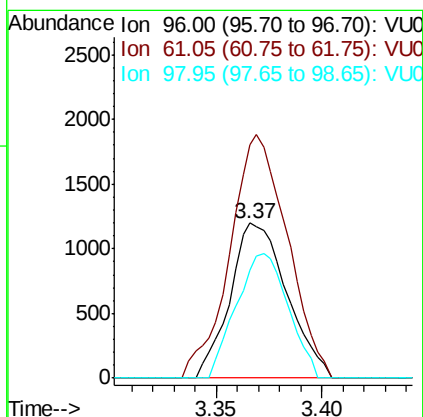
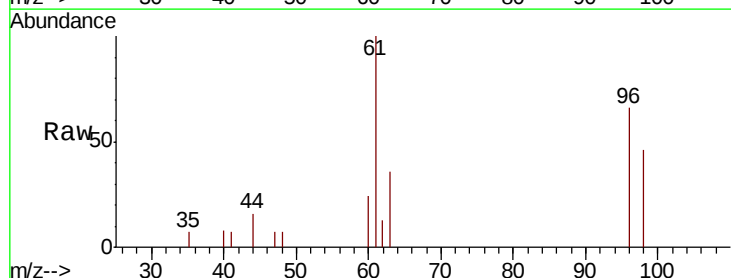
Instrument :
MSVOA_U
ClientSampleId :
ETZ15DL

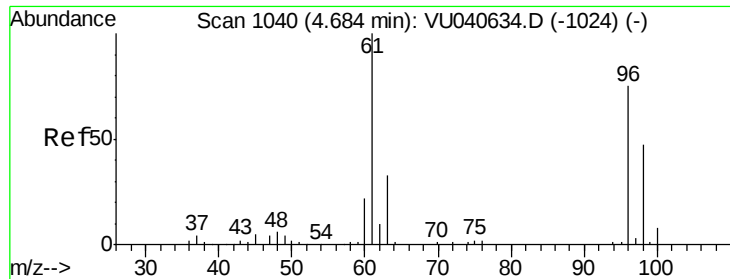
Tot Ion: 84 Resp: 1700
Ion Ratio Lower Upper
84 100
86 63.0 45.4 84.4
49 107.9 99.8 185.3



#18
trans-1,2-Dichloroethene
Concen: 0.245 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040645.D
Acq: 10 Oct 2020 19:24

Tgt Ion: 96 Resp: 2245
Ion Ratio Lower Upper
96 100
61 150.7 105.9 196.7
98 69.2 43.8 81.3





#22

cis-1,2-Dichloroethene

Concen: 10.651 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ15DL

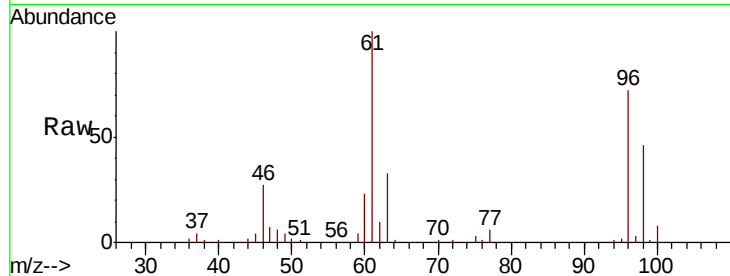
Tot Ion: 96 Resp: 105066

Ion Ratio Lower Upper

96 100

61 138.0 99.8 185.4

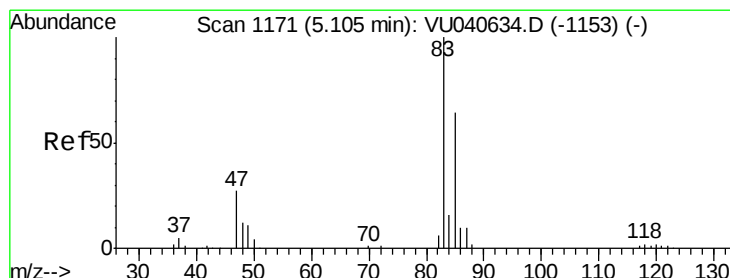
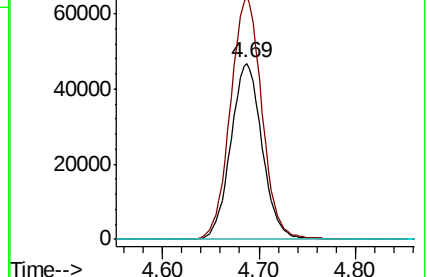
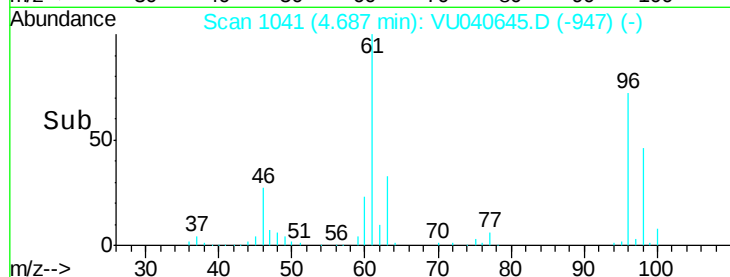
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040645.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040645.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040645.D (-947) (-)



#25

Chloroform

Concen: 0.109 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040645.D

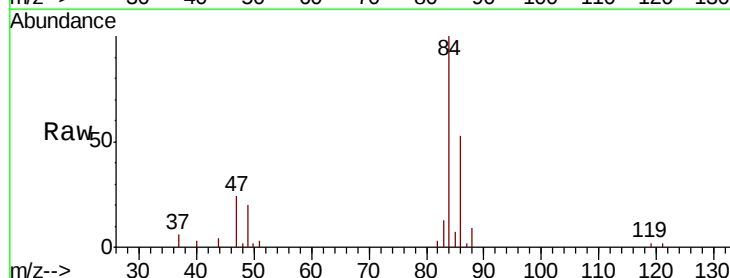
Acq: 10 Oct 2020 19:24

Tgt Ion: 83 Resp: 2103

Ion Ratio Lower Upper

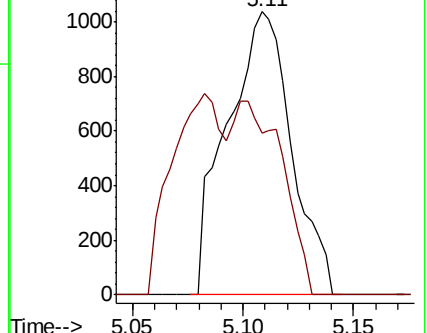
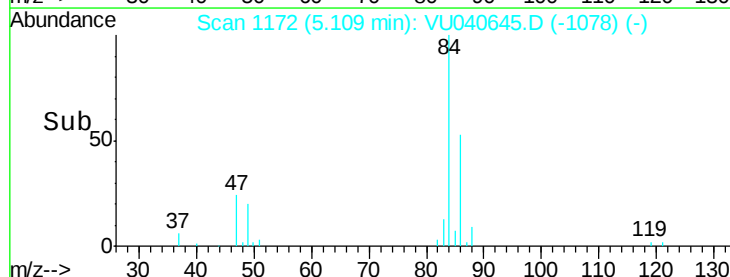
83 100

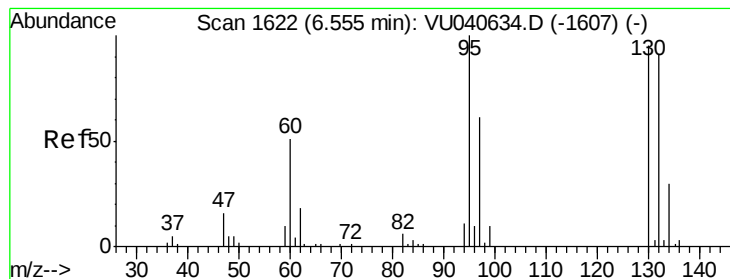
85 57.3 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040645.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040645.D (-1078) (-)





#34

Trichloroethene

Concen: 0.101 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

ETZ15DL

Tot Ion: 95 Resp: 1035

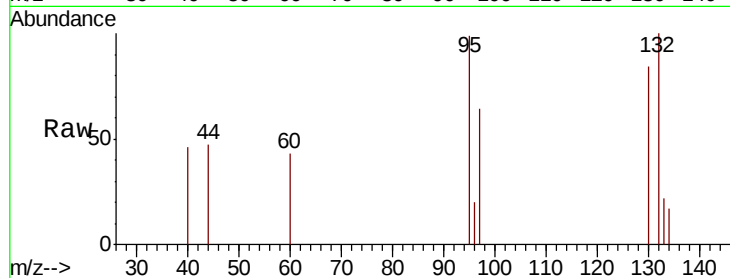
Ion Ratio Lower Upper

95 100

97 64.0 45.5 84.5

132 100.7 67.5 125.4

130 84.8 69.9 129.9

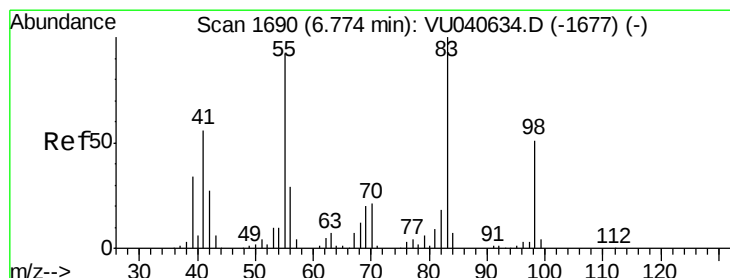
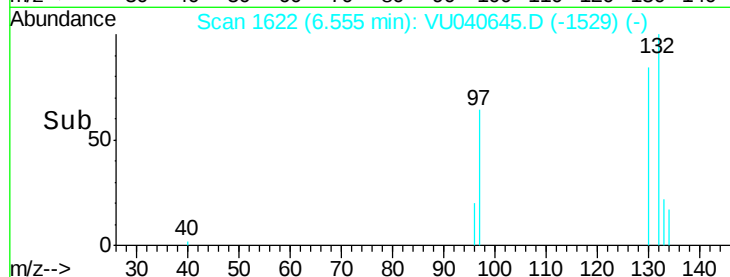
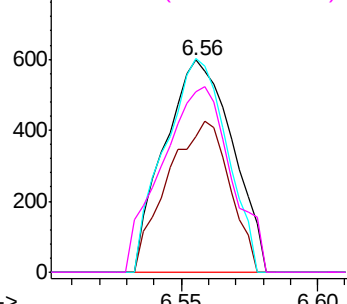


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.882 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

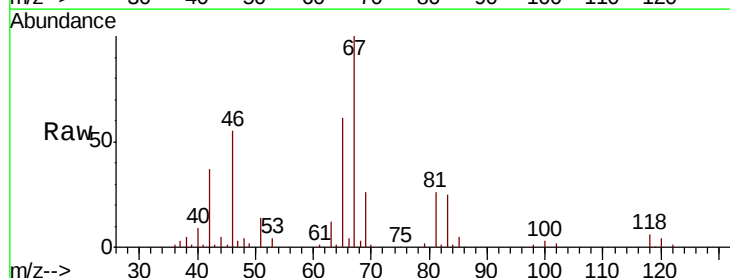
Tgt Ion: 83 Resp: 12821

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

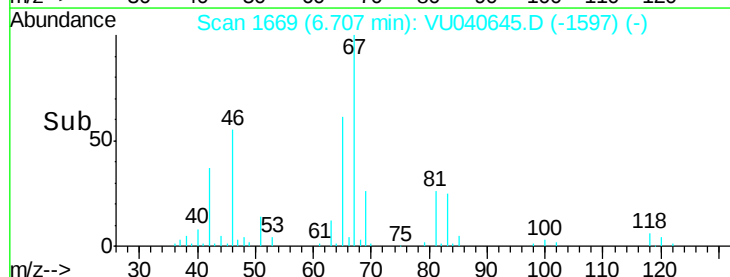
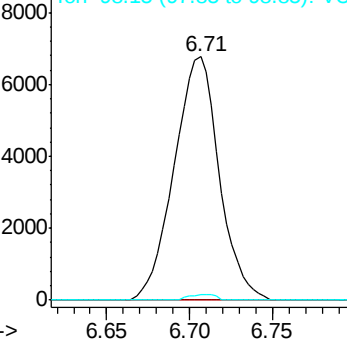
98 1.4 38.4 57.6#

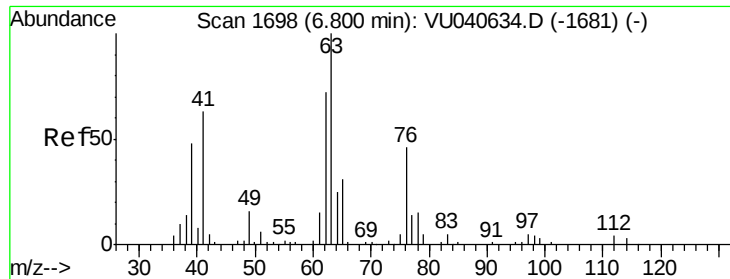


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

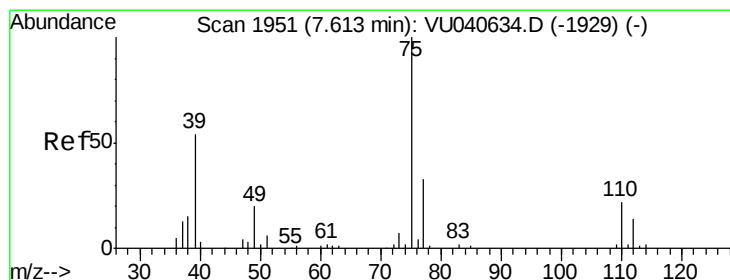
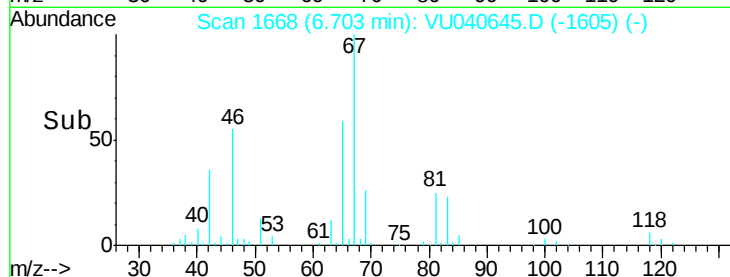
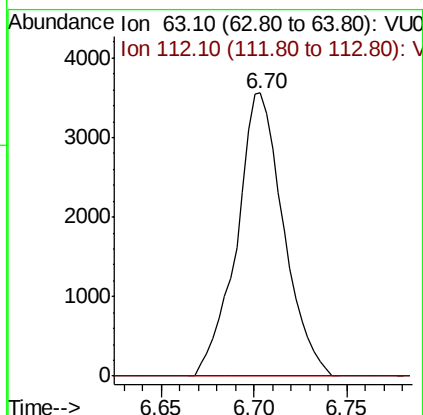
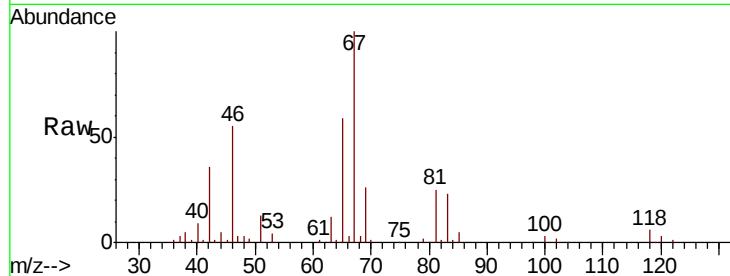




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040645.D
 Acq: 10 Oct 2020 19:24

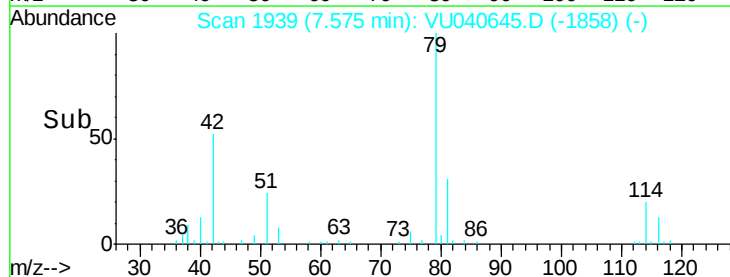
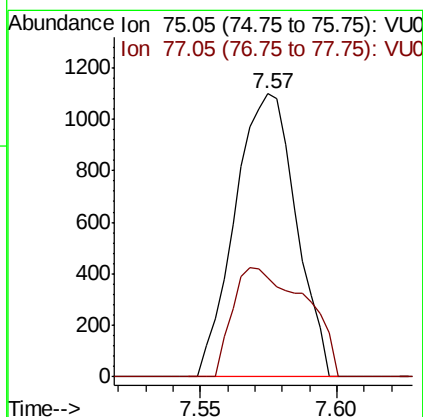
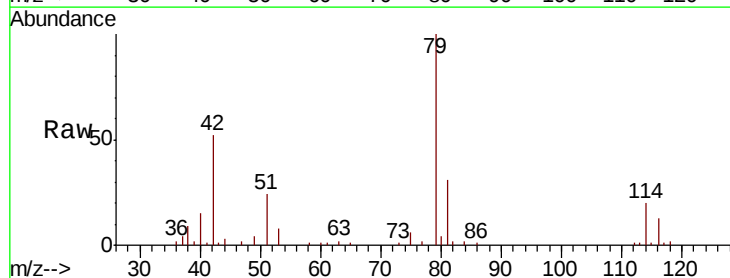
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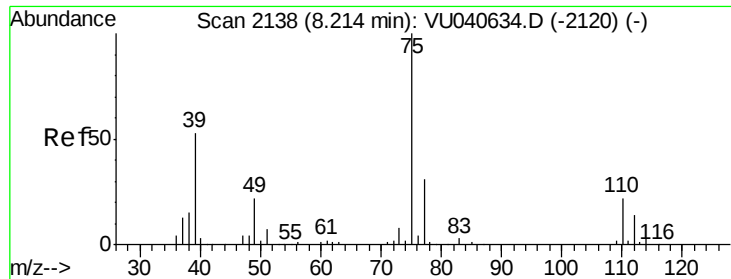
Tot Ion: 63 Resp: 6253
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040645.D
 Acq: 10 Oct 2020 19:24

Tgt Ion: 75 Resp: 1705
 Ion Ratio Lower Upper
 75 100
 77 34.8 20.5 38.1

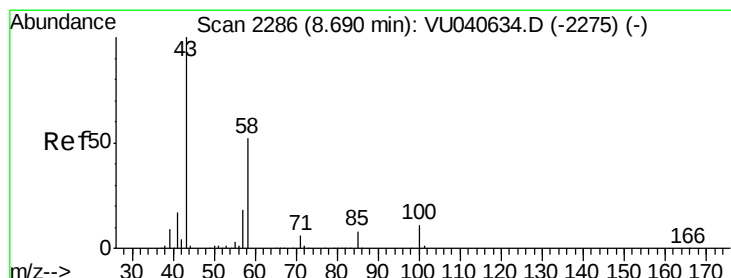
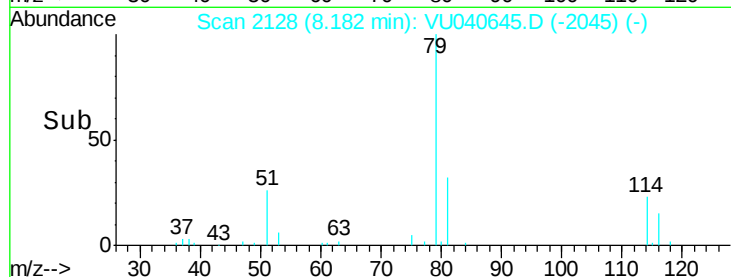
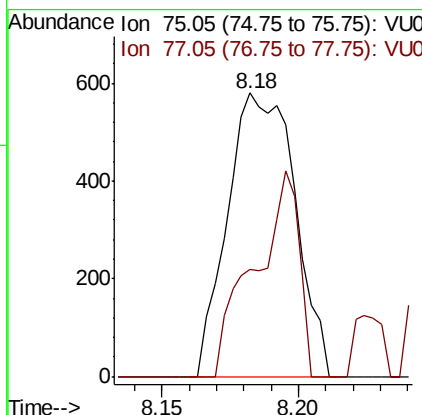
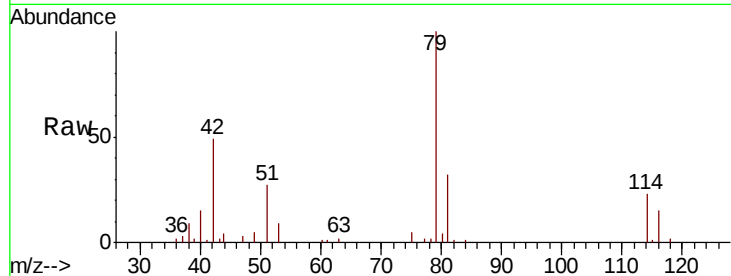




#44
trans-1,3-Dichloropropene
Concen: 0.072 ug/L
RT: 8.18 min Scan# 2128
Delta R.T. -0.03 min
Lab File: VU040645.D
Acq: 10 Oct 2020 19:24

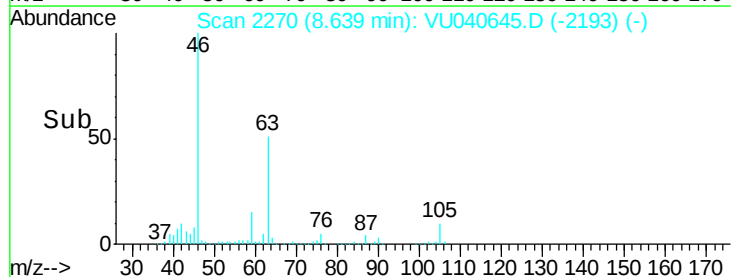
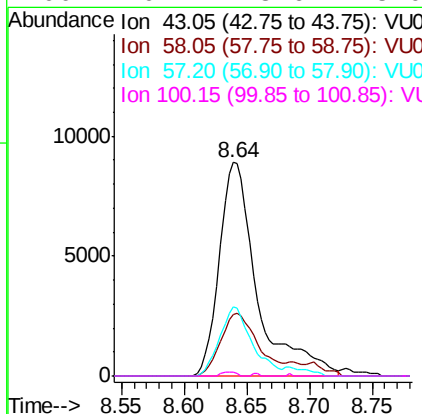
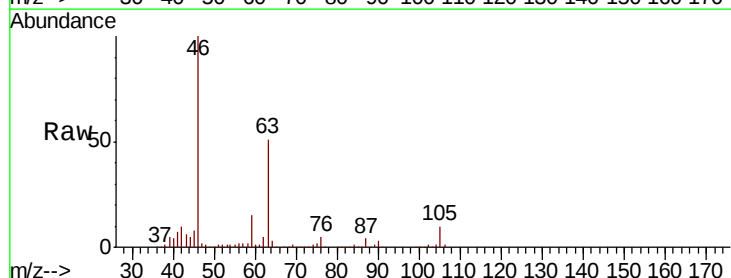
Instrument :
MSVOA_U
ClientSampleId :
ETZ15DL

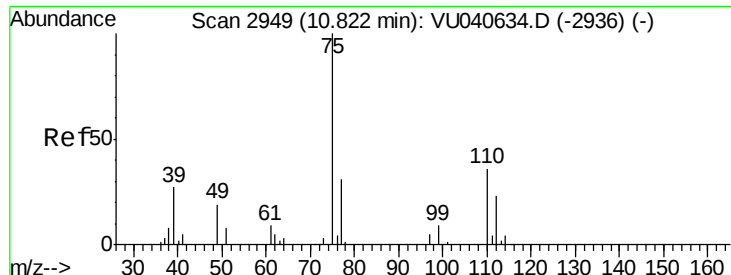
Tot Ion: 75 Resp: 995
Ion Ratio Lower Upper
75 100
77 37.8 20.4 38.0



#48
2-Hexanone
Concen: 2.864 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040645.D
Acq: 10 Oct 2020 19:24

Tgt Ion: 43 Resp: 18722
Ion Ratio Lower Upper
43 100
58 28.4 41.0 61.6#
57 27.5 14.4 21.6#
100 0.7 8.6 13.0#





#59

1,2,3-Trichloropropane

Concen: 0.943 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040645.D

Acq: 10 Oct 2020 19:24

Instrument :

MSVOA_U

ClientSampleId :

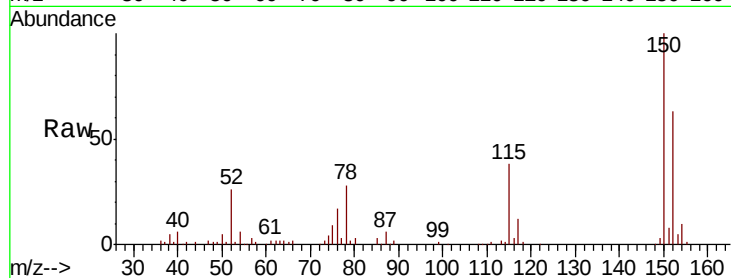
ETZ15DL

Tot Ion: 75 Resp: 7631

Ion Ratio Lower Upper

75 100

77 37.9 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

