

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102120\
 Data File : VU040895.D
 Acq On : 22 Oct 2020 00:05
 Operator : SY/MD
 Sample : L4447-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ55DL

Quant Time: Oct 22 00:54:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 22 00:42:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	213438	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	222587	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92082	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	68205	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.92	69	65246	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.58	63	107196	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.65	46	338363	65.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.26%#
24) Chloroform-d	5.08	84	158337	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	99665	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.75	84	275901	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.70	67	98577	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.91	98	214330	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	8.19	79	38329	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.64	63	244074	61.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	95169	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	88846	5.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	1648	0.070	ug/L	85
5) Vinyl chloride	1.61	62	1938	0.089	ug/L #	1
8) Chloroethane	1.94	64	657	0.046	ug/L #	59
13) Acetone	2.66	43	5795	1.587	ug/L	74
16) Methylene chloride	3.06	84	8270	0.430	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	64832	3.642	ug/L	95
34) Trichloroethene	6.56	95	51594	2.833	ug/L	94
35) Methylcyclohexane	6.70	83	22677	0.832	ug/L #	15
37) 1,2-Dichloropropane	6.70	63	11575	0.599	ug/L #	89
39) cis-1,3-Dichloropropene	7.57	75	2711	0.105	ug/L #	58
44) trans-1,3-Dichloropropene	8.18	75	1744	0.075	ug/L #	64
47) Tetrachloroethene	8.56	164	73861	5.450	ug/L	96
48) 2-Hexanone	8.64	43	34661	3.675	ug/L #	74
49) Dibromochloromethane	8.56	129	73423	4.675	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	13803	1.099	ug/L	91

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 22 00:42:50 2020
Response via : Initial Calibration

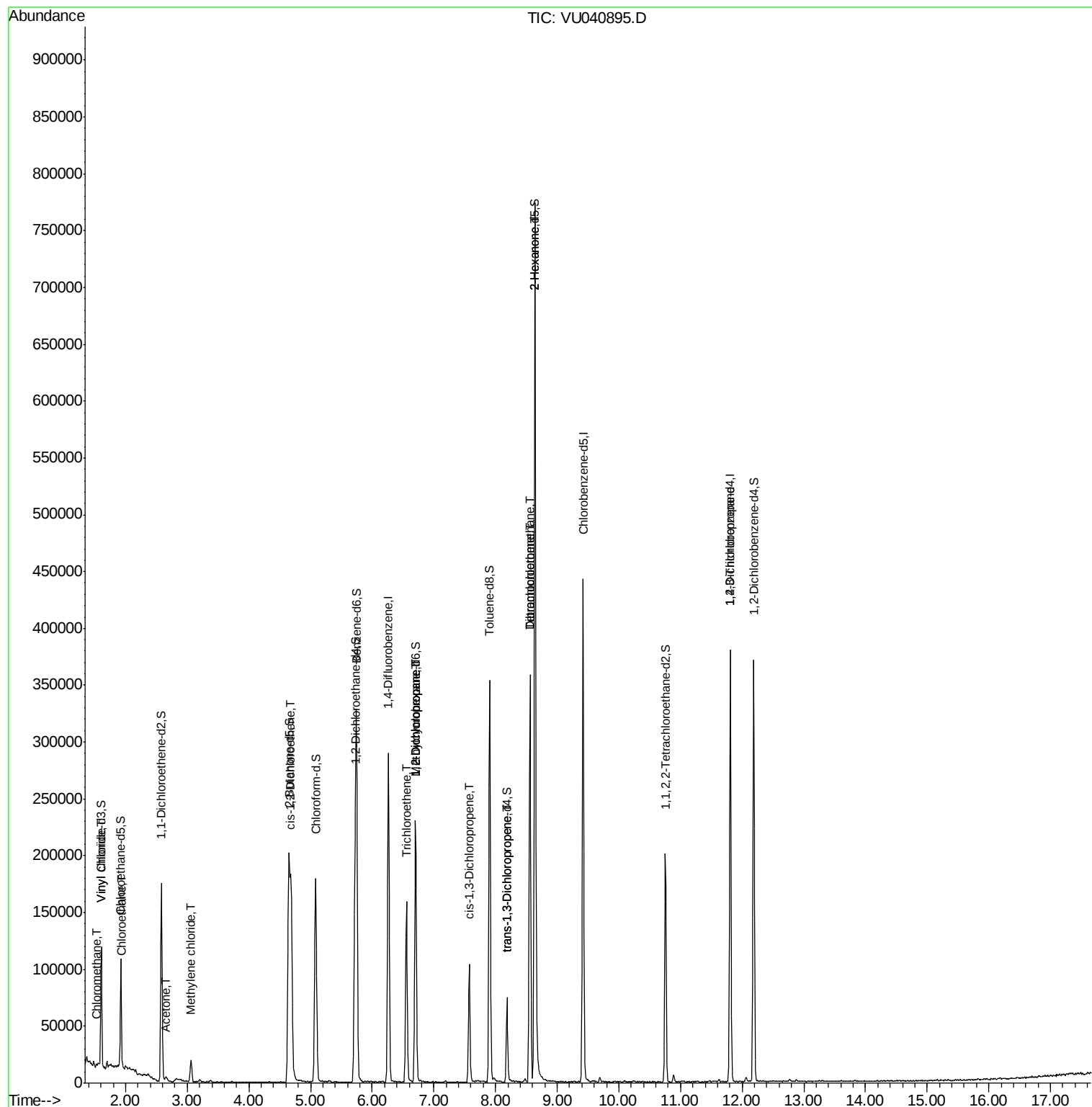
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

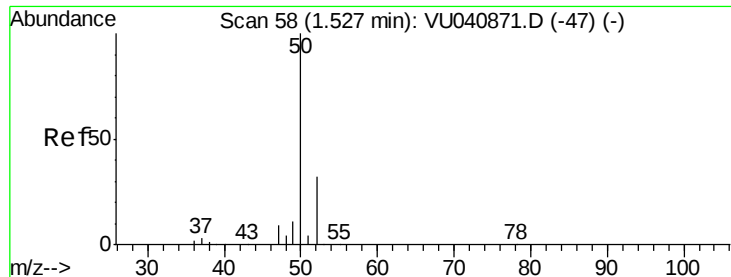
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

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#3

Chloromethane

Concen: 0.070 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Instrument :

MSVOA_U

ClientSampleId :

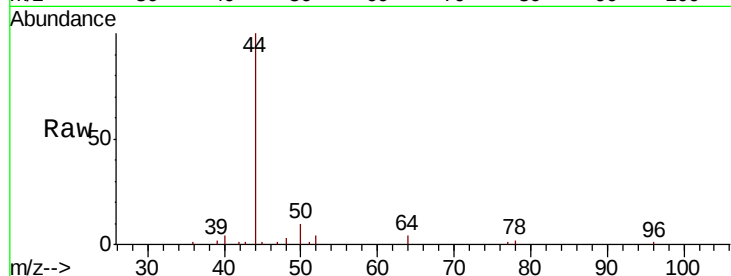
ETZ55DL

Tot Ion: 50 Resp: 1648

Ion Ratio Lower Upper

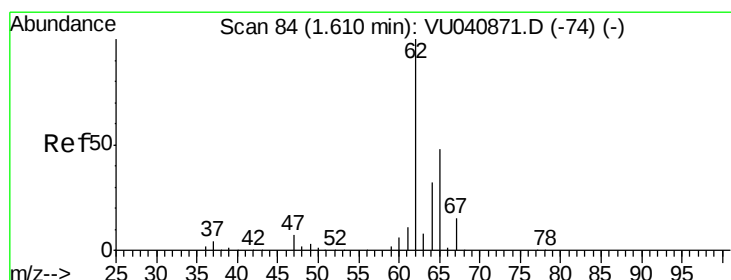
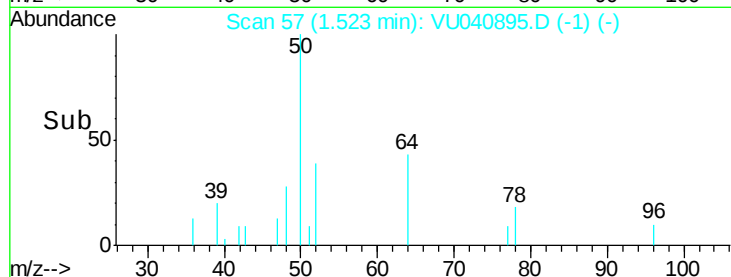
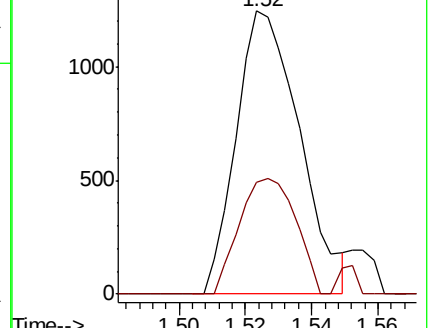
50 100

52 39.4 21.8 40.6



Abundance Ion 50.05 (49.75 to 50.75): VU040895.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040895.D (-1) (-)



#5

Vinyl chloride

Concen: 0.089 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040895.D

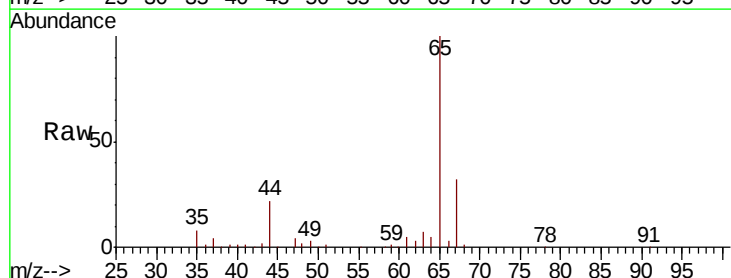
Acq: 22 Oct 2020 00:05

Tgt Ion: 62 Resp: 1938

Ion Ratio Lower Upper

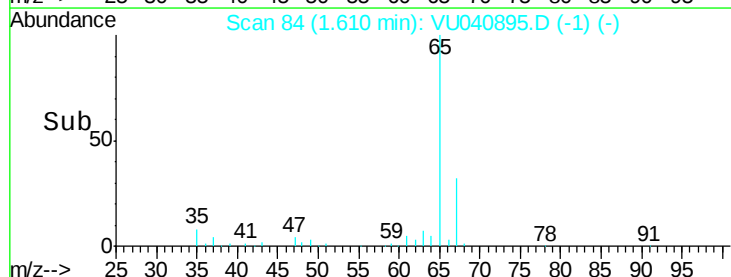
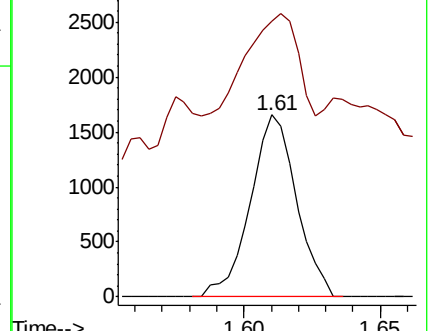
62 100

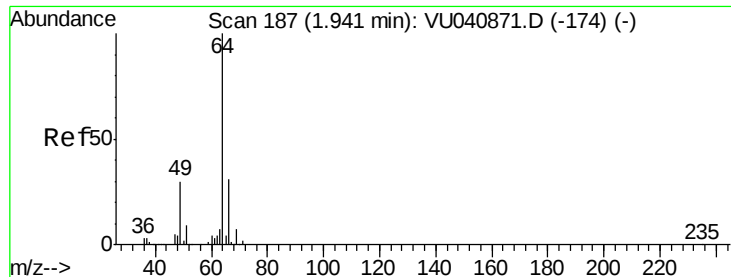
64 152.1 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VU040895.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU040895.D (-1) (-)

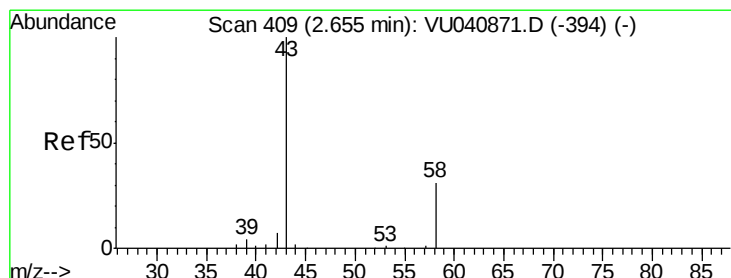
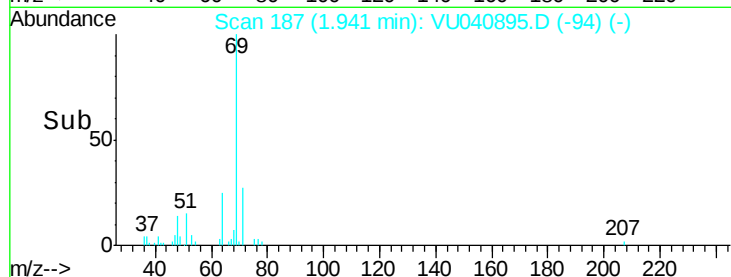
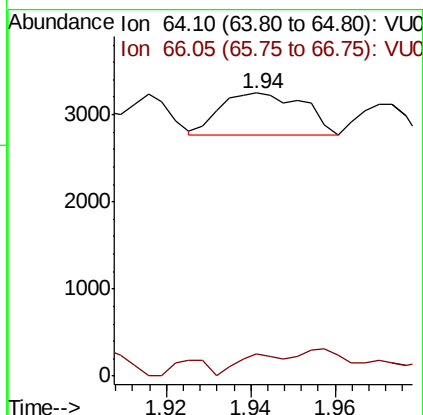
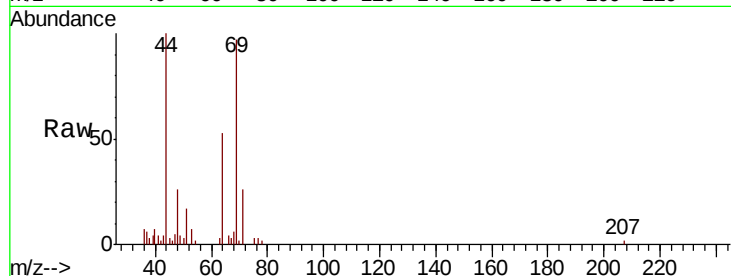




#8
Chloroethane
Concen: 0.046 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040895.D
Acq: 22 Oct 2020 00:05

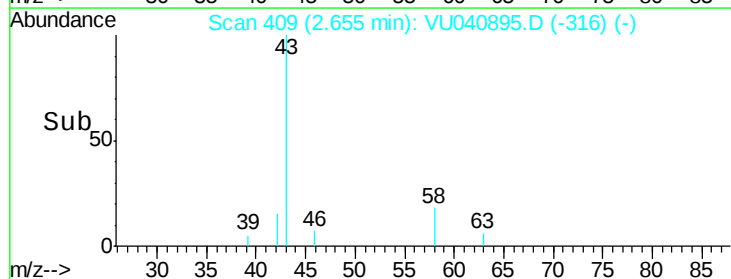
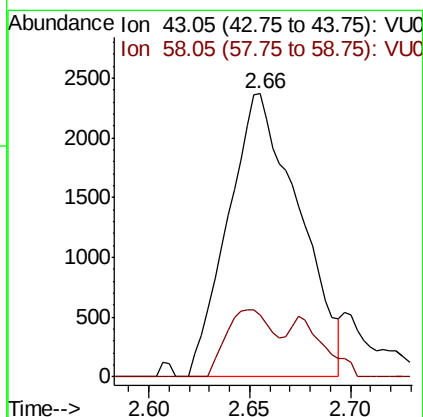
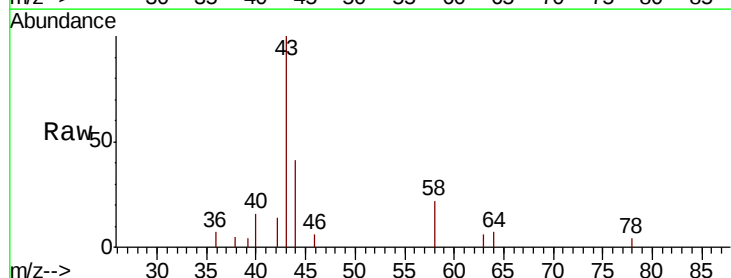
Instrument :
MSVOA_U
ClientSampleId :
ETZ55DL

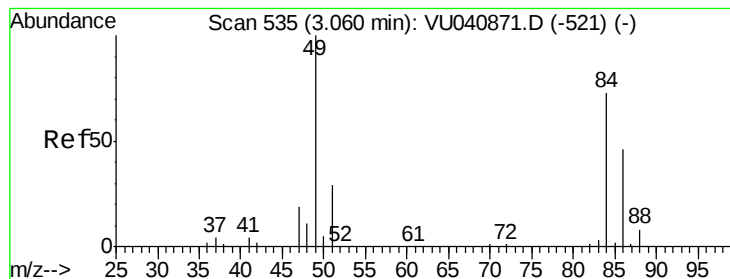
Tot Ion: 64 Resp: 657
Ion Ratio Lower Upper
64 100
66 7.9 21.2 39.4#



#13
Acetone
Concen: 1.587 ug/L
RT: 2.66 min Scan# 409
Delta R.T. -0.00 min
Lab File: VU040895.D
Acq: 22 Oct 2020 00:05

Tgt Ion: 43 Resp: 5795
Ion Ratio Lower Upper
43 100
58 15.5 0.0 58.6





#16

Methvlene chloride

Concen: 0.430 ug/L

RT: 3.06 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Instrument :

MSVOA_U

ClientSampleId :

ETZ55DL

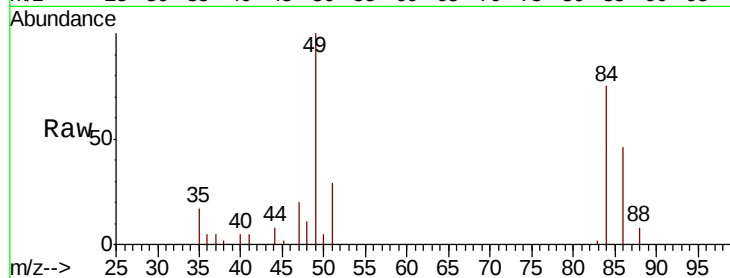
Tot Ion: 84 Resp: 8270

Ion Ratio Lower Upper

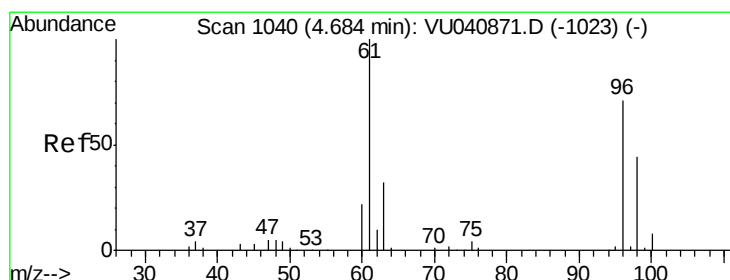
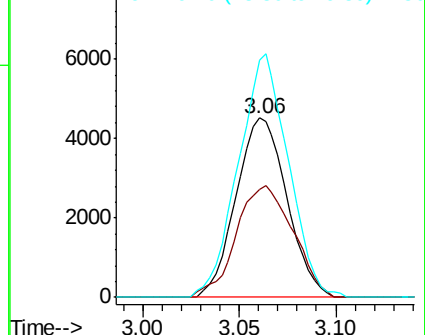
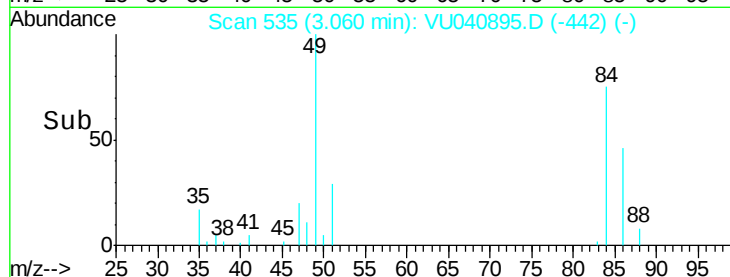
84 100

86 60.6 44.9 83.5

49 132.5 94.7 175.9



Abundance Ion 84.05 (83.75 to 84.75): VU040895.D (-442) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.642 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

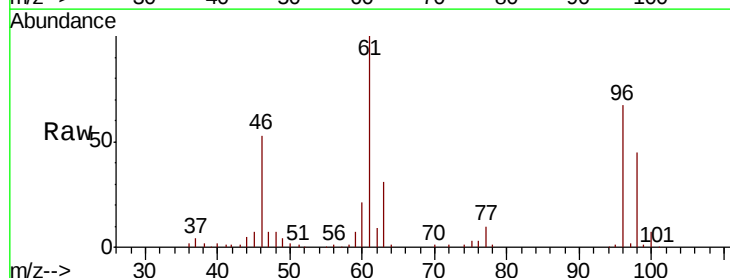
Tgt Ion: 96 Resp: 64832

Ion Ratio Lower Upper

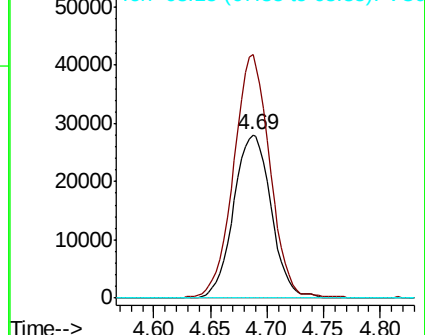
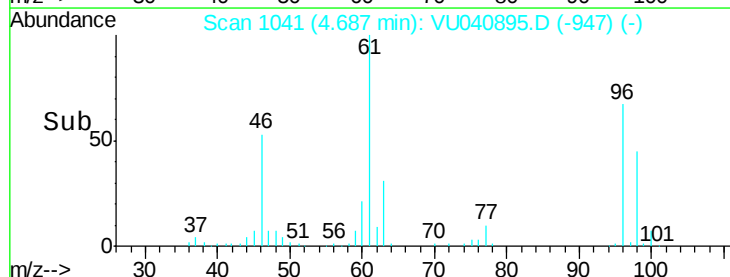
96 100

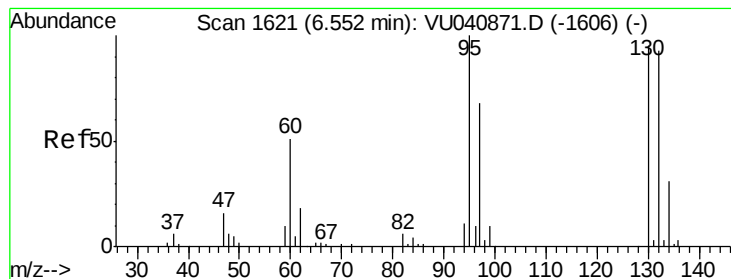
61 148.9 100.0 185.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040895.D (-947) (-)





#34

Trichloroethene

Concen: 2.833 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Instrument :

MSVOA_U

ClientSampleId :

ETZ55DL

Tot Ion: 95 Resp: 51594

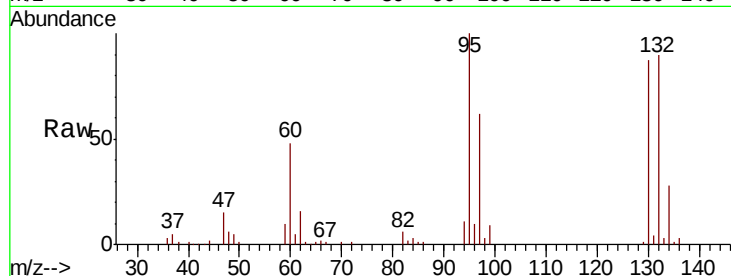
Ion Ratio Lower Upper

95 100

97 62.3 46.0 85.4

132 90.1 63.6 118.2

130 87.3 68.6 127.4

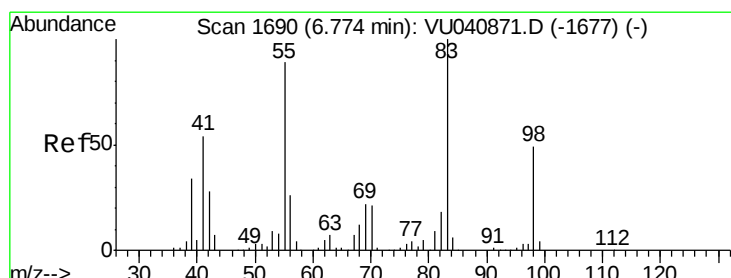
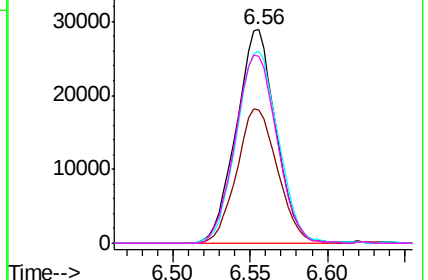
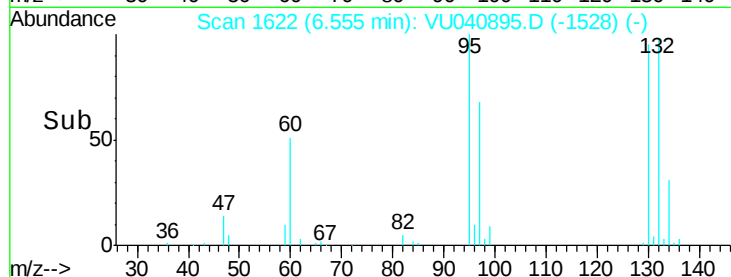


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.832 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

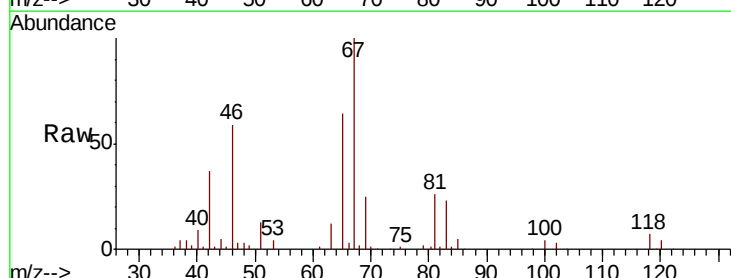
Tgt Ion: 83 Resp: 22677

Ion Ratio Lower Upper

83 100

55 0.1 69.1 103.7#

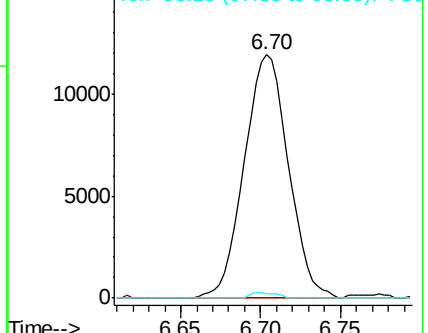
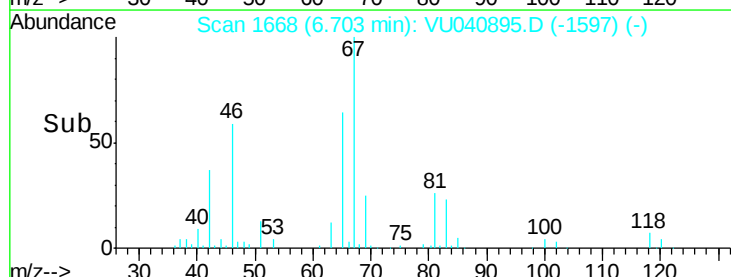
98 1.3 37.8 56.6#

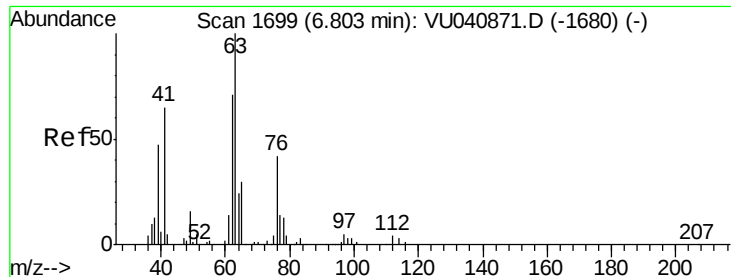


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

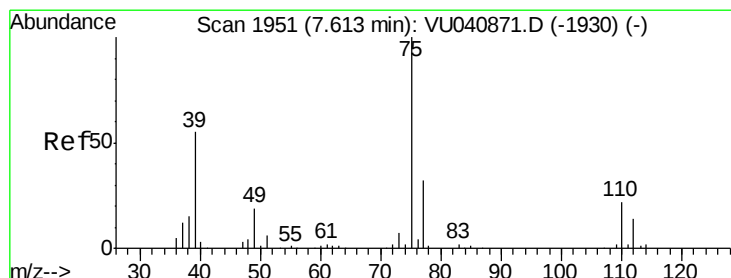
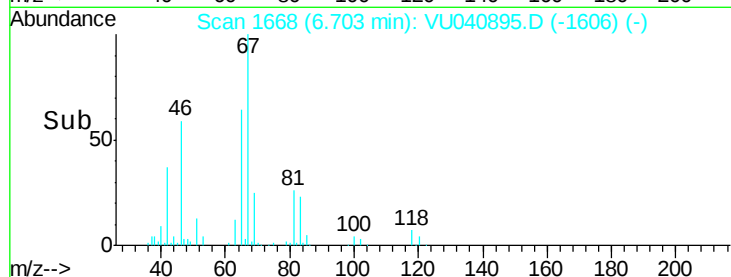
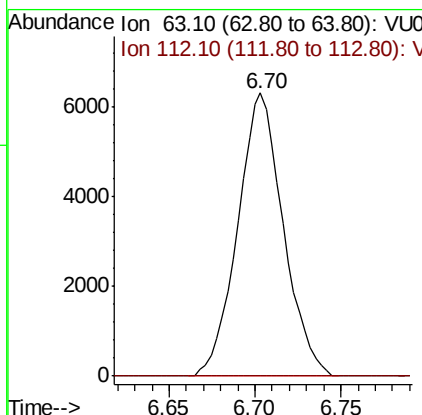
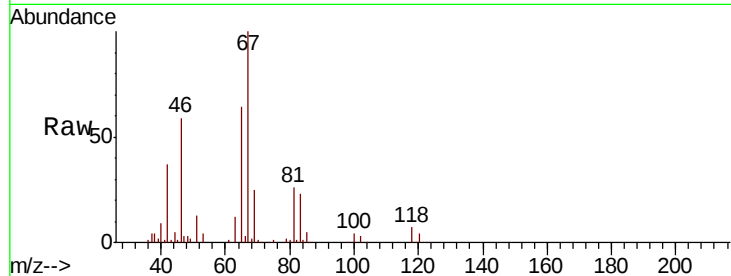




#37
 1,2-Dichloropropane
 Concen: 0.599 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040895.D
 Acq: 22 Oct 2020 00:05

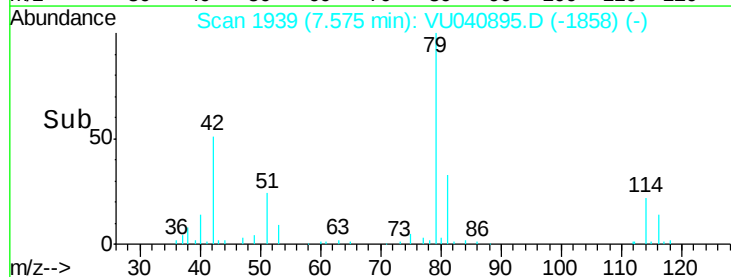
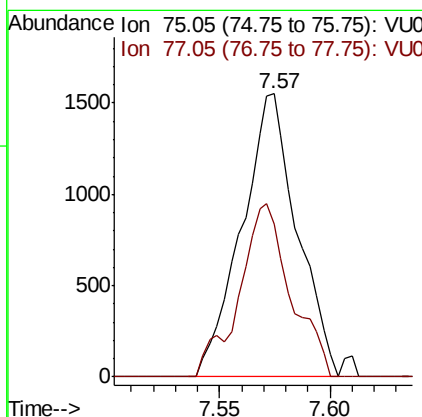
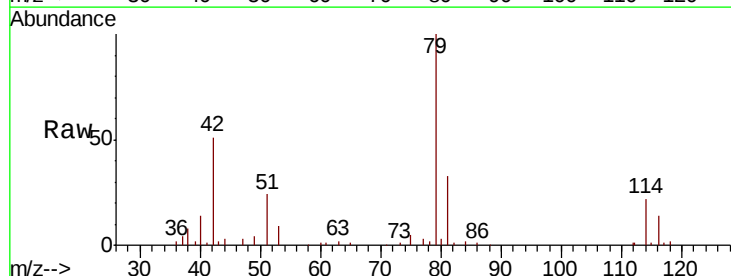
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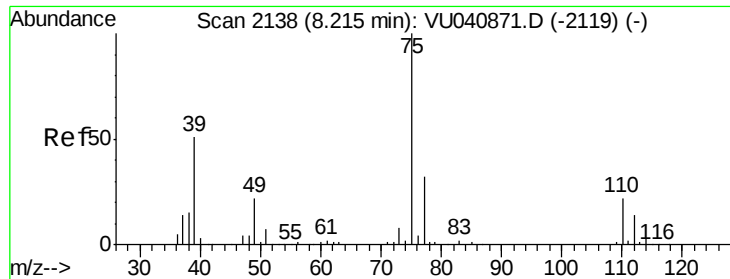
Tot Ion: 63 Resp: 11575
 Ion Ratio Lower Upper
 63 100
 112 0.2 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040895.D
 Acq: 22 Oct 2020 00:05

Tgt Ion: 75 Resp: 2711
 Ion Ratio Lower Upper
 75 100
 77 53.8 21.6 40.2#





#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Instrument :

MSVOA_U

ClientSampleId :

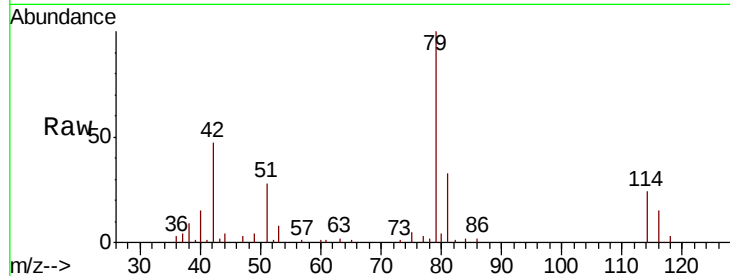
ETZ55DL

Tot Ion: 75 Resp: 1744

Ion Ratio Lower Upper

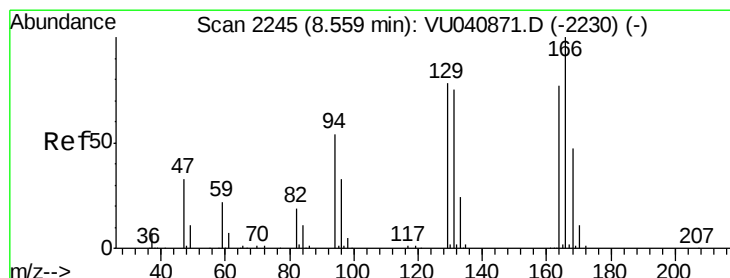
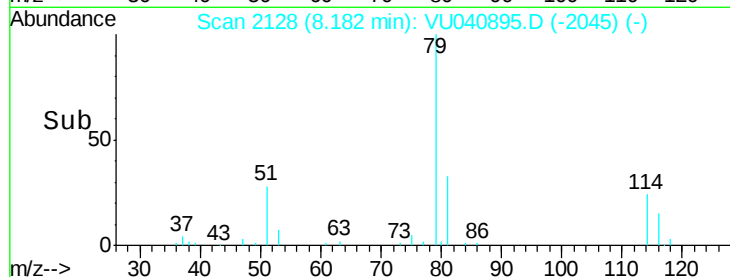
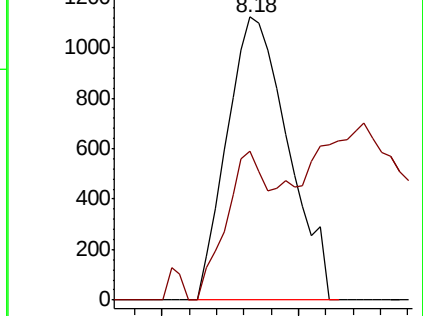
75 100

77 52.4 22.6 42.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 5.450 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Tgt Ion: 164 Resp: 73861

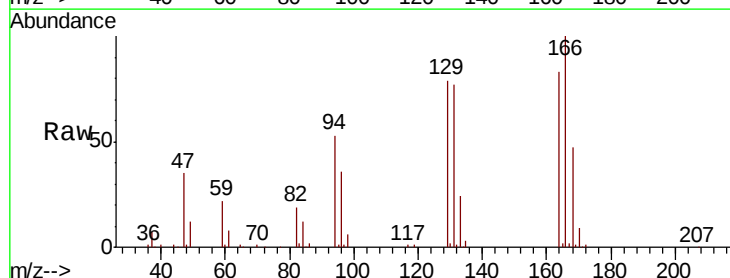
Ion Ratio Lower Upper

164 100

129 95.9 69.7 129.4

131 92.9 65.4 121.4

166 120.8 90.0 167.2

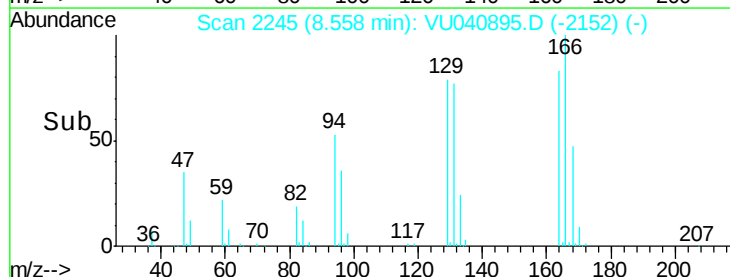
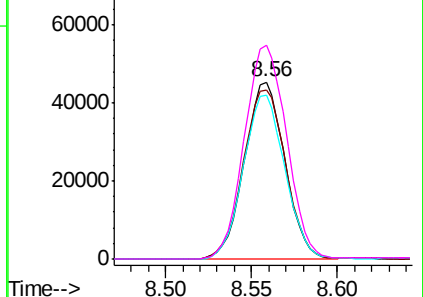


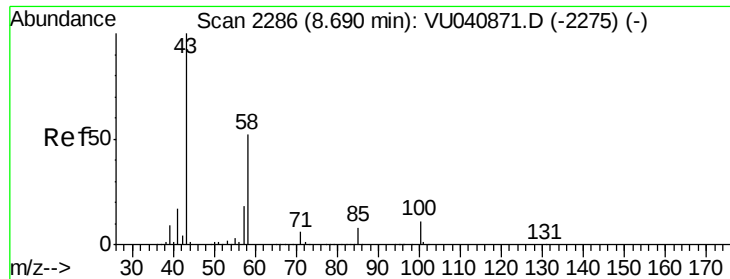
Abundance Ion 163.90 (163.60 to 164.60): V

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

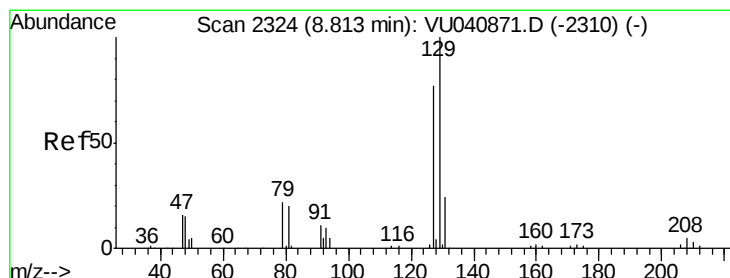
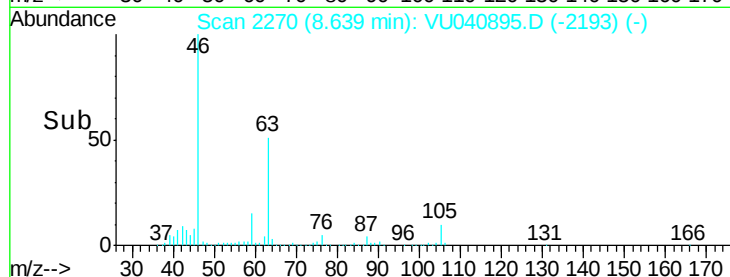
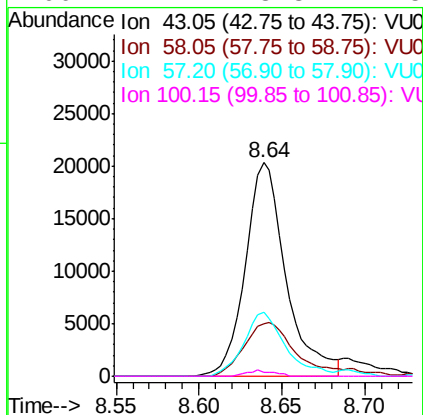
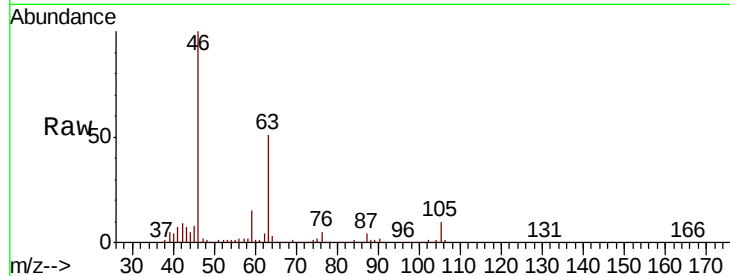




#48
2-Hexanone
Concen: 3.675 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040895.D
Acq: 22 Oct 2020 00:05

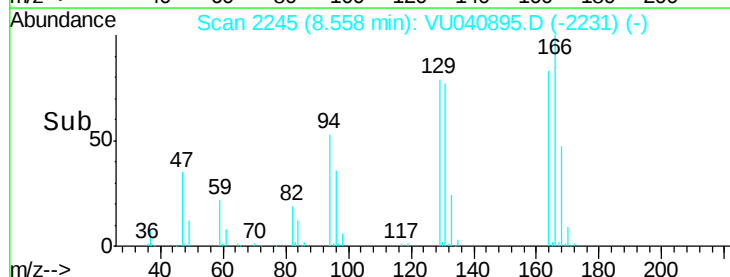
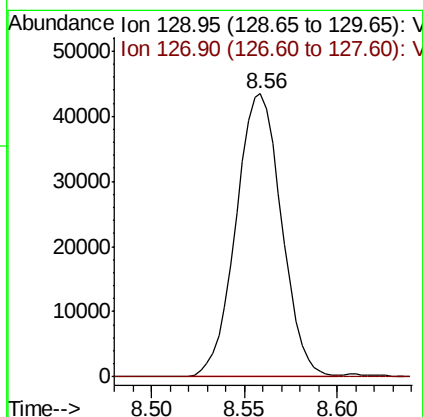
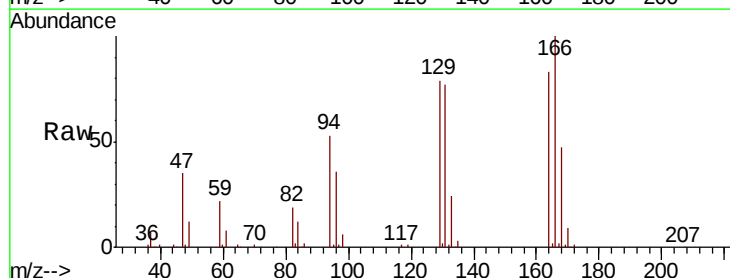
Instrument :
MSVOA_U
ClientSampleId :
ETZ55DL

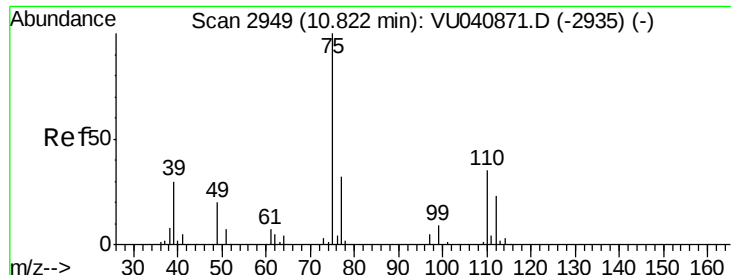
Tot Ion:	43	Resp:	34661
Ion	Ratio	Lower	Upper
43	100		
58	33.6	40.9	61.3#
57	30.5	14.4	21.6#
100	1.7	8.3	12.5#



#49
Dibromochloromethane
Concen: 4.675 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040895.D
Acq: 22 Oct 2020 00:05

Tgt Ion:	129	Resp:	73423
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.9	103.9#





#59

1,2,3-Trichloropropane

Concen: 1.099 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040895.D

Acq: 22 Oct 2020 00:05

Instrument :

MSVOA_U

ClientSampleId :

ETZ55DL

Tot Ion: 75 Resp: 13803

Ion Ratio Lower Upper

75 100

77 39.6 27.5 41.3

