

Data File : VU035964.D
Acq On : 04 Dec 2019 12:04
Operator : JC/SP
Sample : K6056-06DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE13DL

Quant Time: Dec 05 03:57:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 05 03:54:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	295816	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	320806	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	104360	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	153146	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	127914	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.59	63	213708	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	4.70	46	283385	47.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.92%
24) Chloroform-d	5.11	84	224914	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.75	65	120790	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.77	84	431688	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
36) 1,2-Dichloropropane-d6	6.73	67	143316	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.93	98	346229	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.21	79	52440	4.22	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.40%
46) 2-Hexanone-d5	8.68	63	210264	43.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.04%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	116584	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	106142	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

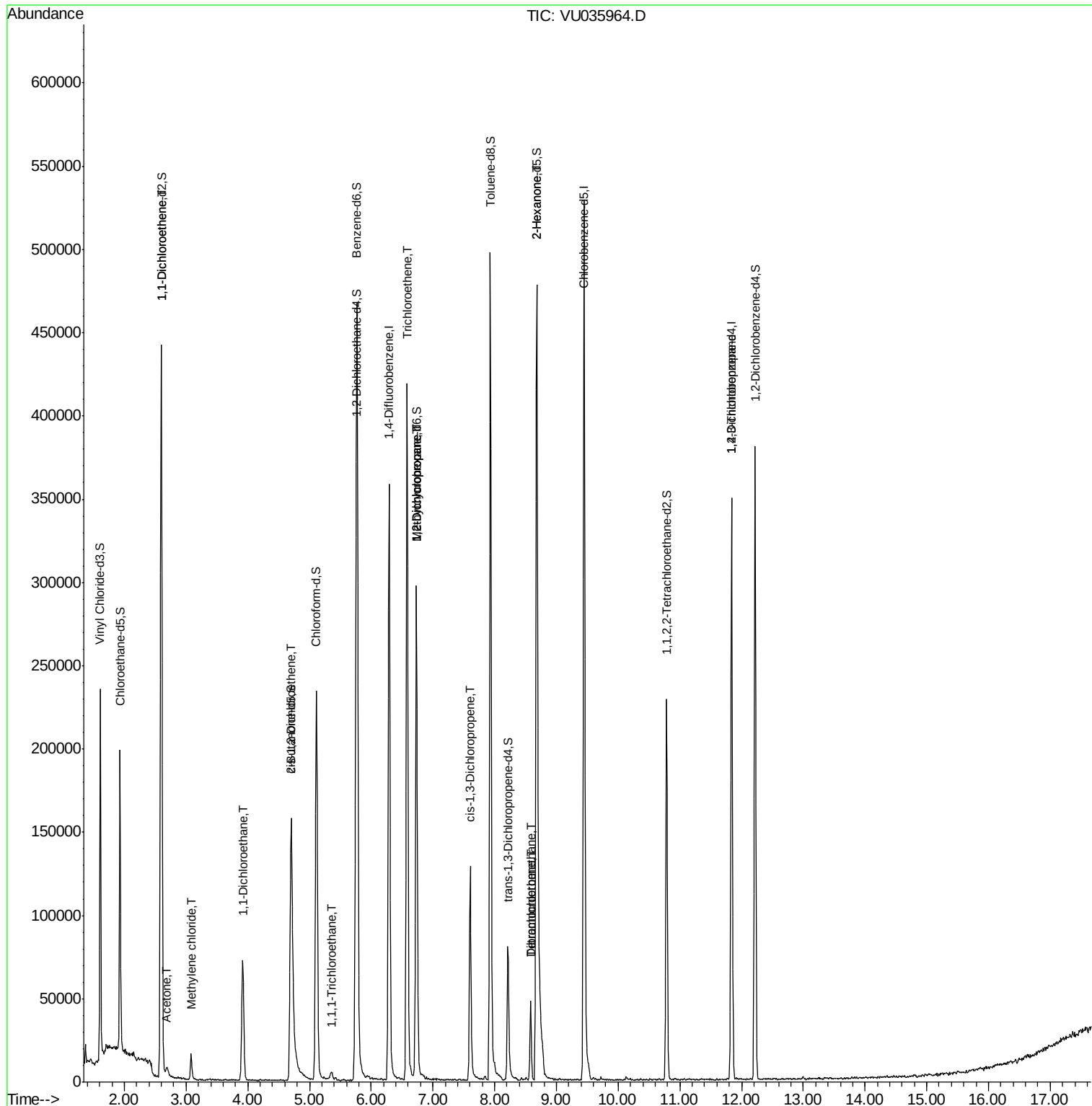
						Qvalue
12) 1,1-Dichloroethene	2.61	96	86126	4.063	ug/L	92
13) Acetone	2.69	43	10067	1.865	ug/L	68
16) Methylene chloride	3.08	84	7368	0.224	ug/L	84
19) 1,1-Dichloroethane	3.92	63	84293	1.921	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	4128	0.174	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	3036	0.078	ug/L #	81
34) Trichloroethene	6.58	95	144114	5.649	ug/L	97
35) Methylcyclohexane	6.73	83	33709	0.881	ug/L #	17
37) 1,2-Dichloropropane	6.73	63	15198	0.556	ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3184	0.088	ug/L #	21
47) Tetrachloroethene	8.58	164	11117	0.536	ug/L	88
48) 2-Hexanone	8.68	43	26022	2.194	ug/L #	67
49) Dibromochloromethane	8.58	129	9272	0.409	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	11800	0.665	ug/L #	87

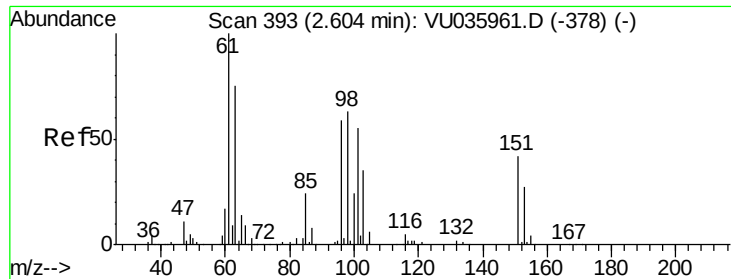
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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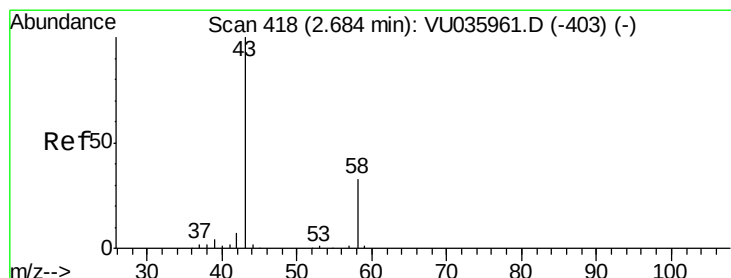
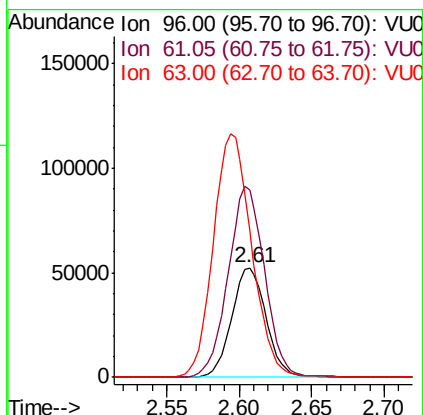
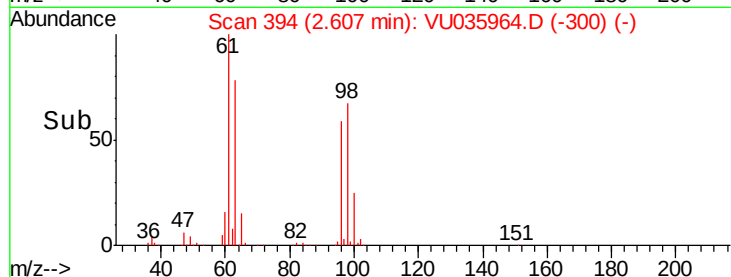
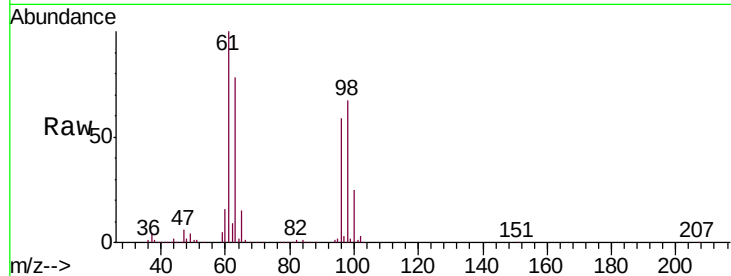




#12
 1,1-Dichloroethene
 Concen: 4.063 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU035964.D
 Acq: 04 Dec 2019 12:04

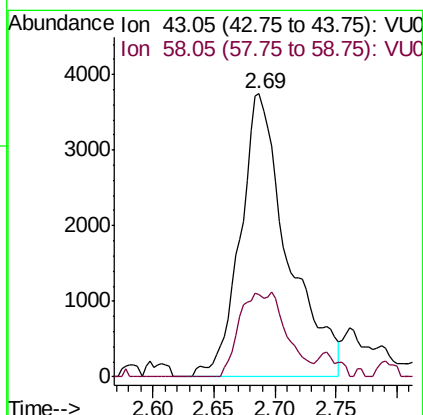
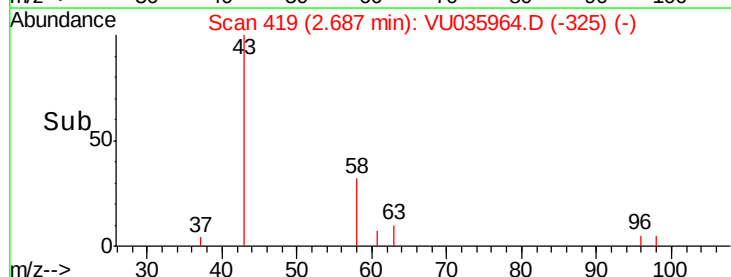
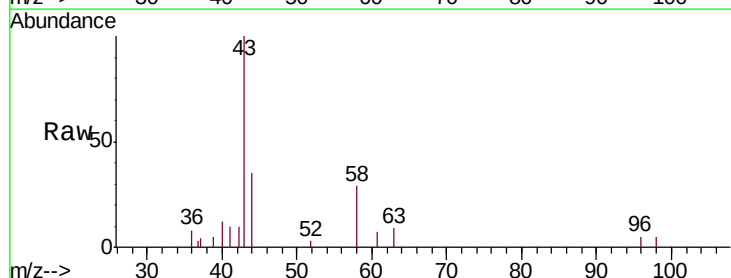
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE13DL

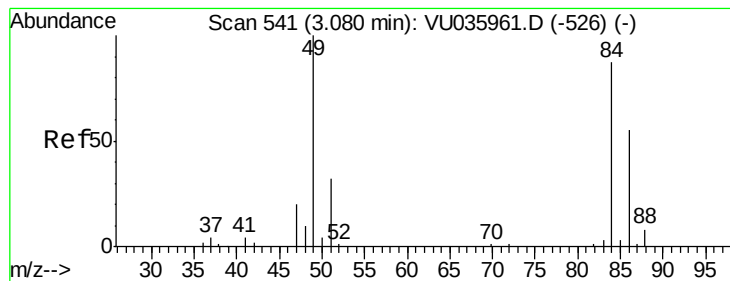
Tgt Ion: 96 Resp: 86126
 Ion Ratio Lower Upper
 96 100
 61 170.6 127.1 236.1
 63 133.3 86.0 159.8



#13
 Acetone
 Concen: 1.865 ug/L
 RT: 2.69 min Scan# 419
 Delta R.T. 0.00 min
 Lab File: VU035964.D
 Acq: 04 Dec 2019 12:04

Tgt Ion: 43 Resp: 10067
 Ion Ratio Lower Upper
 43 100
 58 15.8 0.0 68.6





#16

Methylene chloride

Concen: 0.224 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

BFE13DL

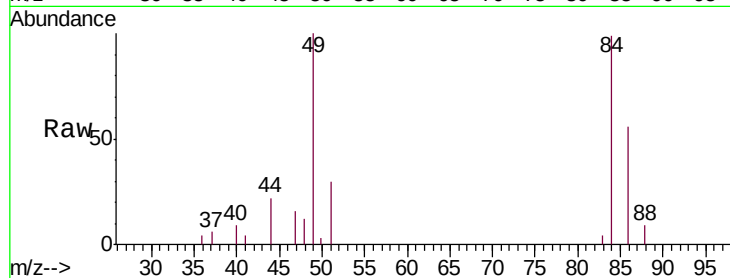
Tgt Ion: 84 Resp: 7368

Ion Ratio Lower Upper

84 100

86 57.0 44.7 82.9

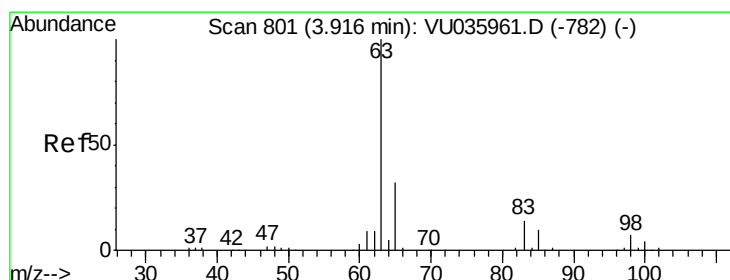
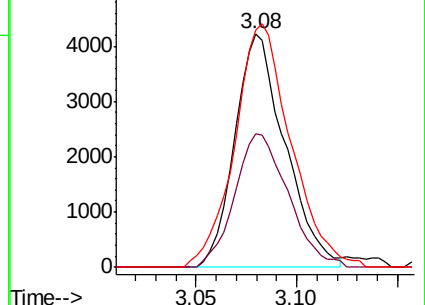
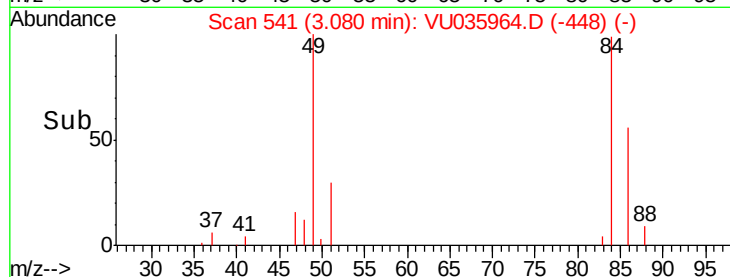
49 101.3 86.2 160.2



Abundance Ion 84.05 (83.75 to 84.75): VU035964.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU035964.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU035964.D (-448) (-)



#19

1,1-Dichloroethane

Concen: 1.921 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

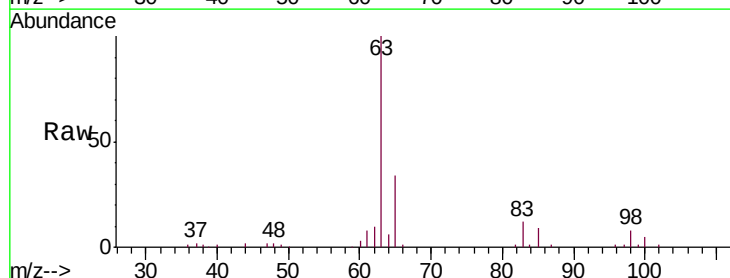
Tgt Ion: 63 Resp: 84293

Ion Ratio Lower Upper

63 100

65 33.8 22.4 41.6

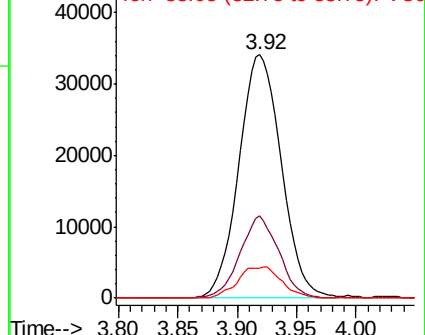
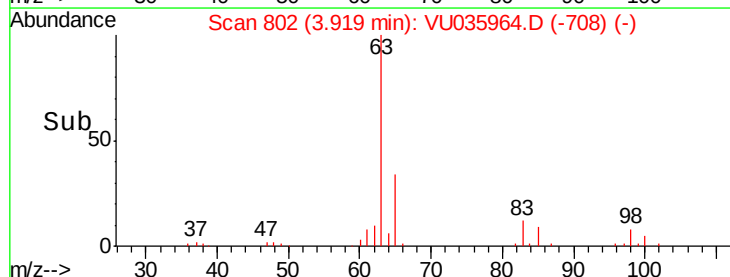
83 12.5 9.8 18.2

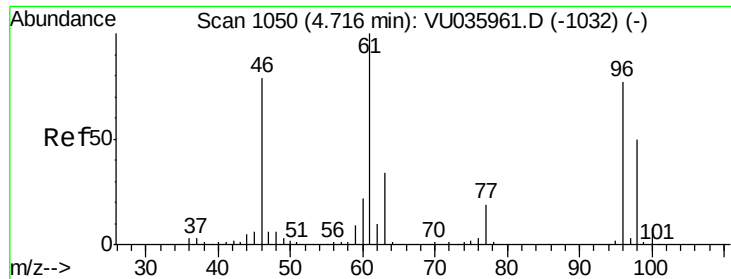


Abundance Ion 63.10 (62.80 to 63.80): VU035964.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU035964.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU035964.D (-708) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.174 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

BFE13DL

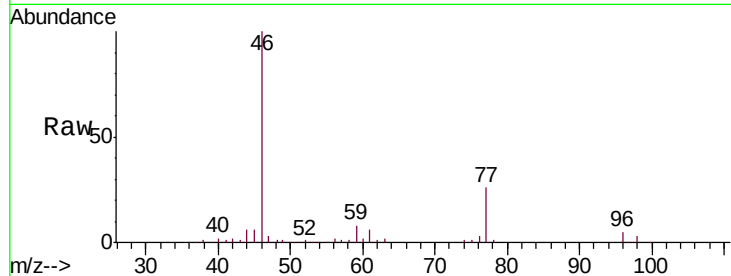
Tgt Ion: 96 Resp: 4128

Ion Ratio Lower Upper

96 100

61 130.2 95.7 177.7

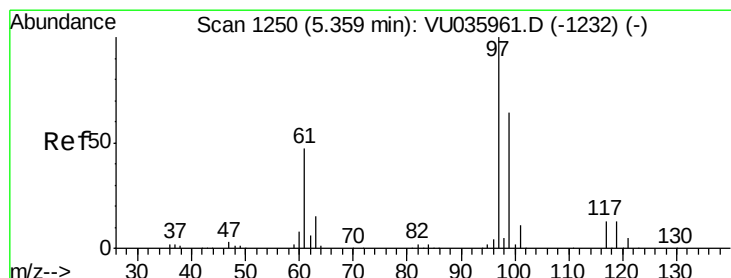
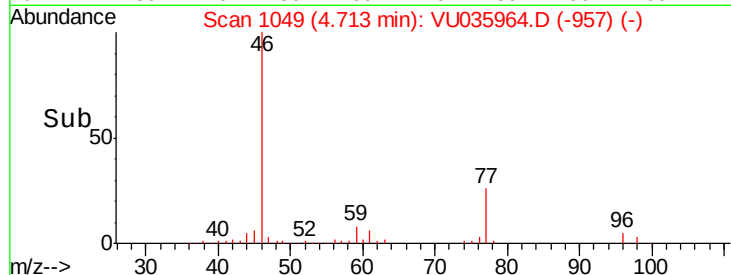
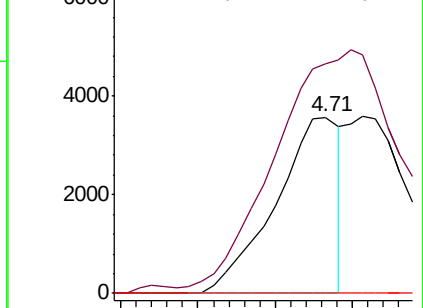
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035964.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035964.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035964.D (-1032) (-)



#29

1,1,1-Trichloroethane

Concen: 0.078 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

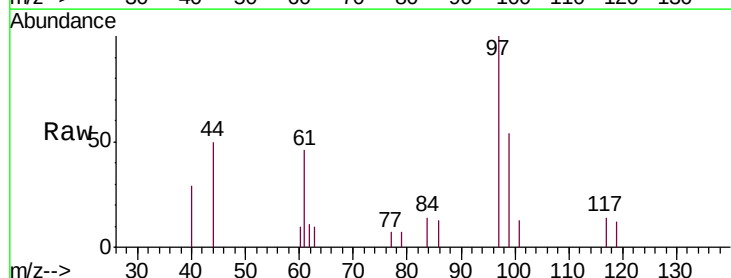
Tgt Ion: 97 Resp: 3036

Ion Ratio Lower Upper

97 100

99 53.3 51.8 77.8

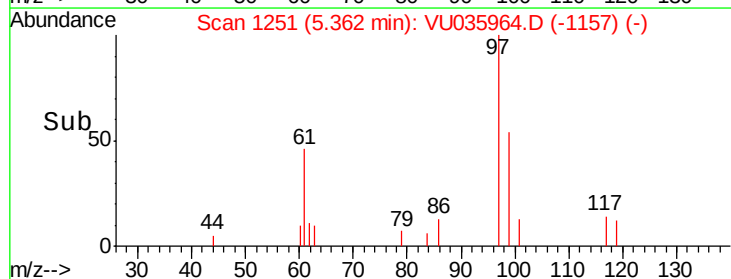
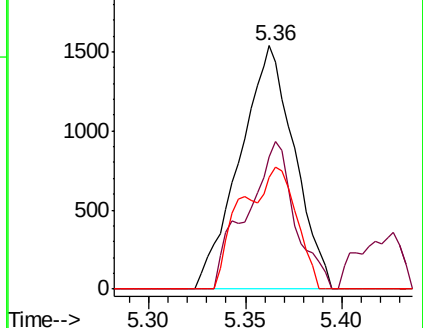
61 30.2 37.6 56.4#

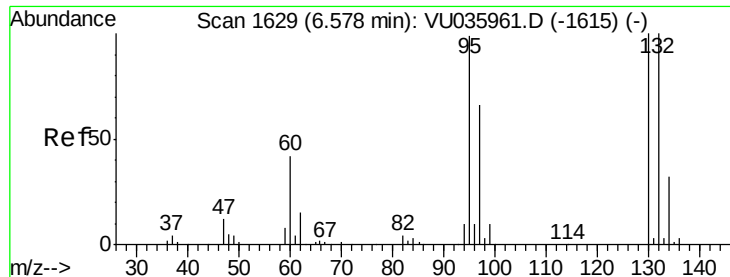


Abundance Ion 96.95 (96.65 to 97.65): VU035964.D (-1232) (-)

Ion 99.05 (98.75 to 99.75): VU035964.D (-1232) (-)

Ion 61.05 (60.75 to 61.75): VU035964.D (-1232) (-)





#34

Trichloroethene

Concen: 5.649 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

Instrument :

MSVOA_U

ClientSampled :

BFE13DL

Tgt Ion: 95 Resp: 144114

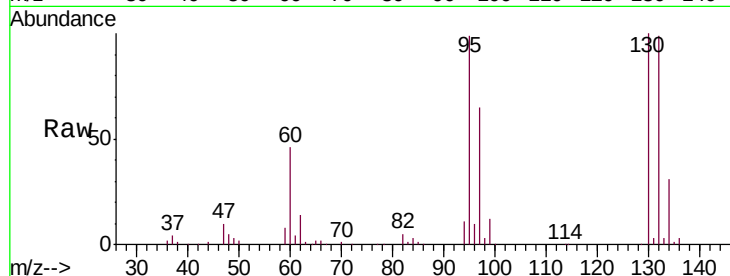
Ion Ratio Lower Upper

95 100

97 65.7 46.3 85.9

132 99.2 65.7 122.1

130 100.6 69.2 128.6

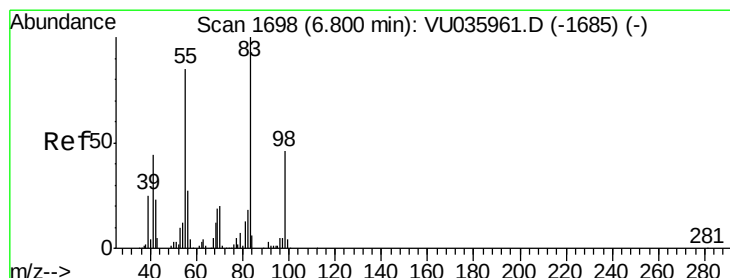
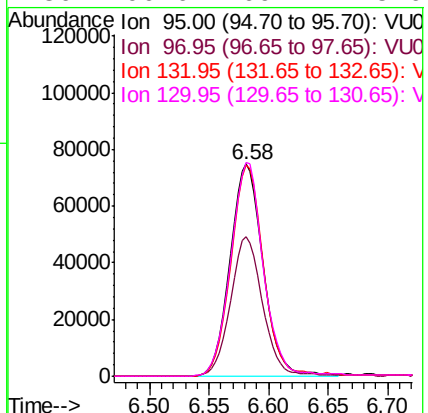
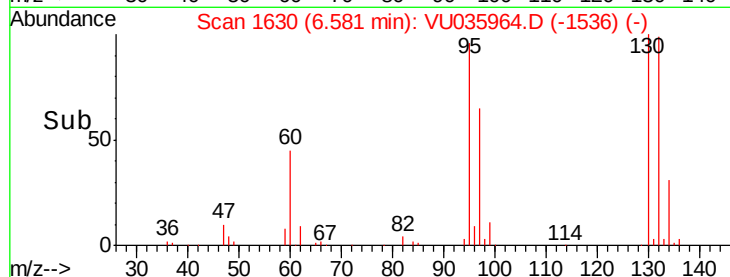


Abundance Ion 95.00 (94.70 to 95.70): VU035961.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035961.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035961.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035961.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.881 ug/L

RT: 6.73 min Scan# 1676

Delta R.T. -0.07 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

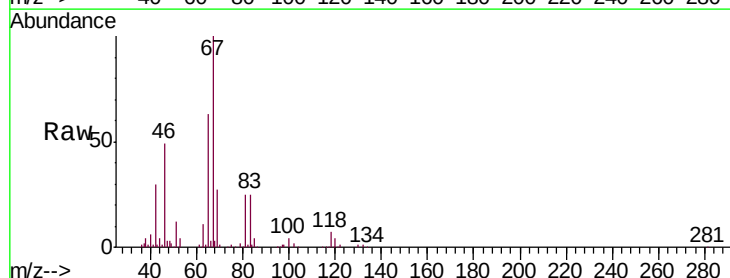
Tgt Ion: 83 Resp: 33709

Ion Ratio Lower Upper

83 100

55 0.0 67.4 101.0#

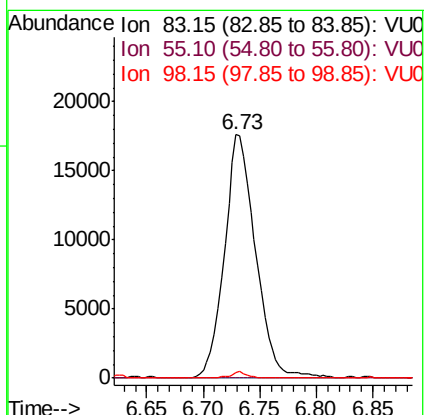
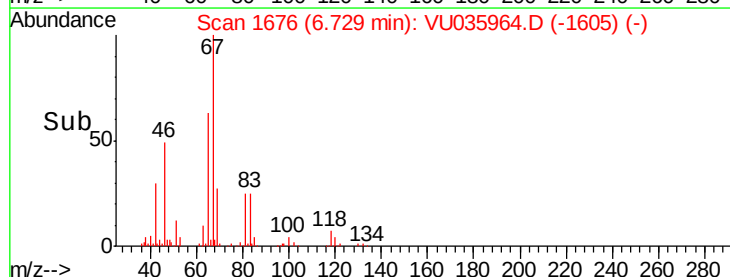
98 1.3 34.6 52.0#

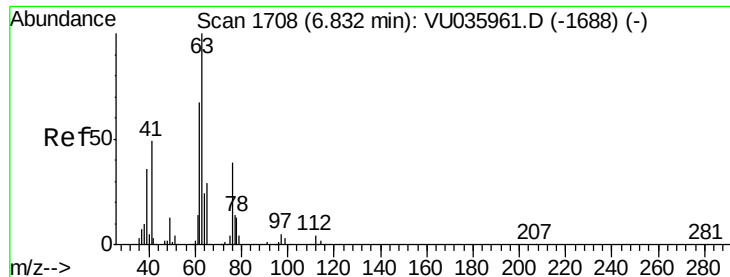


Abundance Ion 83.15 (82.85 to 83.85): VU035961.D (-1685) (-)

Ion 55.10 (54.80 to 55.80): VU035961.D (-1685) (-)

Ion 98.15 (97.85 to 98.85): VU035961.D (-1685) (-)

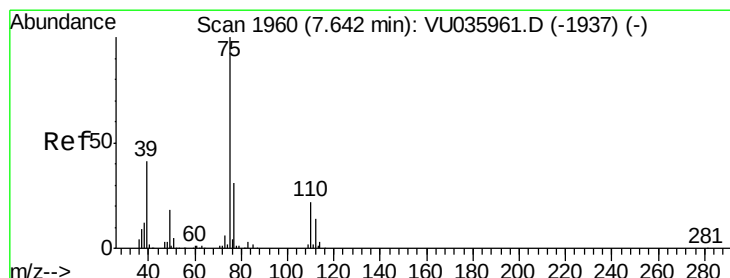
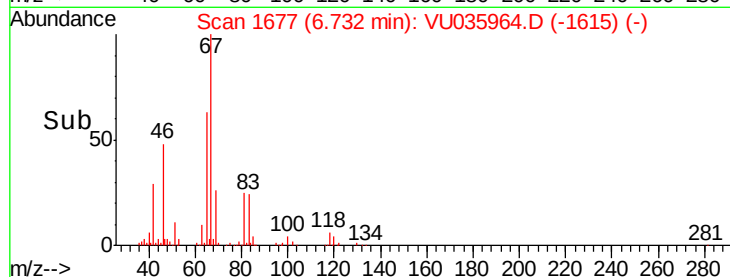
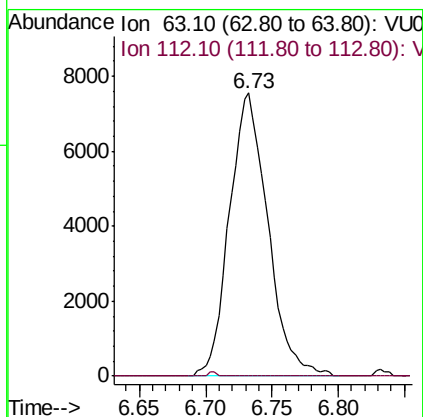
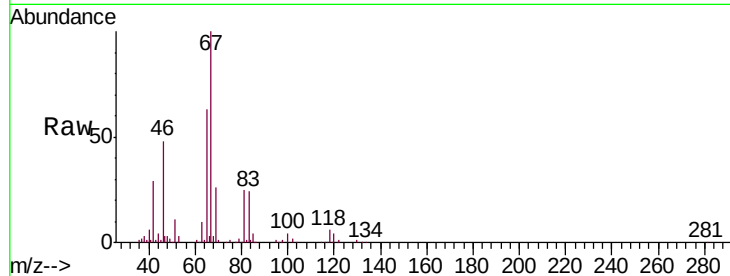




#37
 1,2-Dichloropropane
 Concen: 0.556 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035964.D
 Acq: 04 Dec 2019 12:04

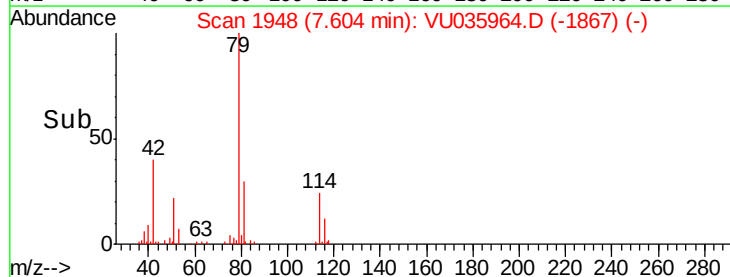
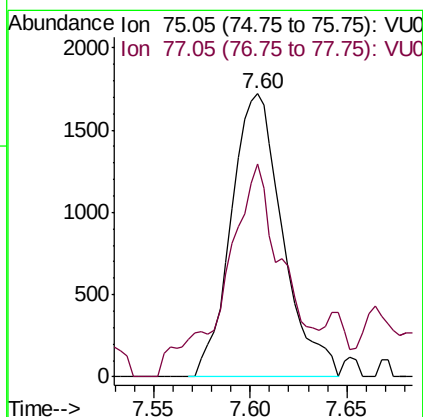
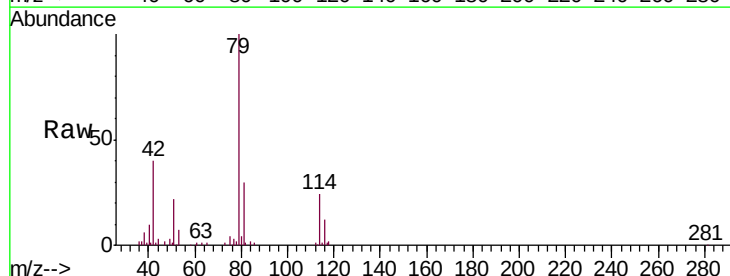
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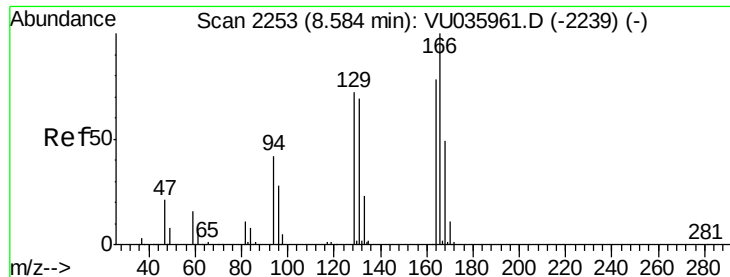
Tgt Ion: 63 Resp: 15198
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035964.D
 Acq: 04 Dec 2019 12:04

Tgt Ion: 75 Resp: 3184
 Ion Ratio Lower Upper
 75 100
 77 75.0 21.9 40.7#

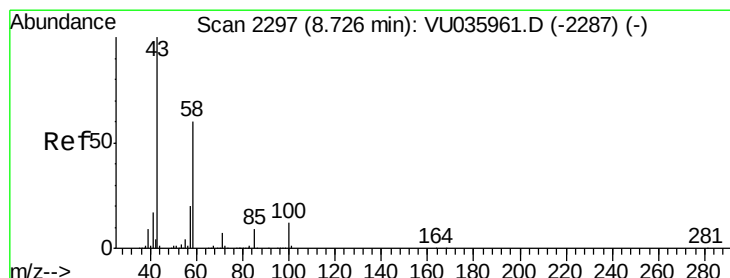
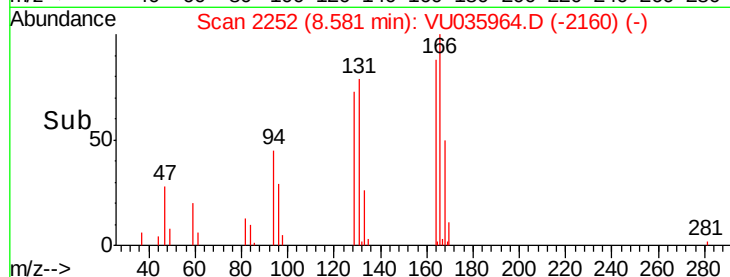
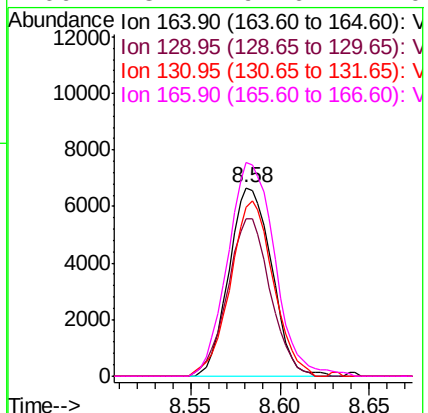
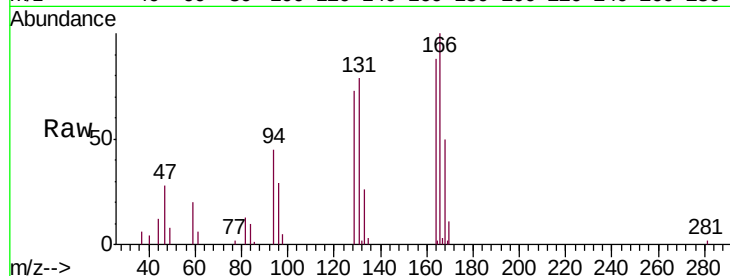




#47
Tetrachloroethene
Concen: 0.536 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU035964.D
Acq: 04 Dec 2019 12:04

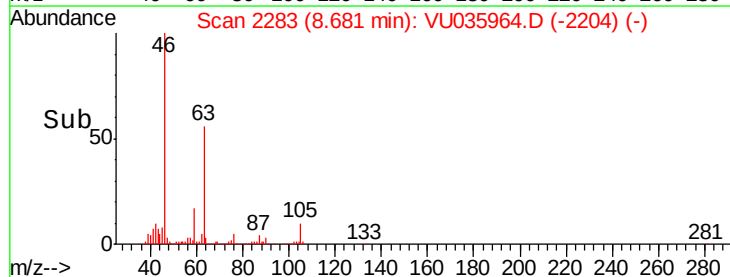
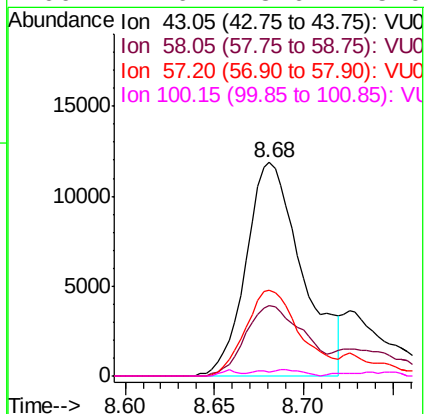
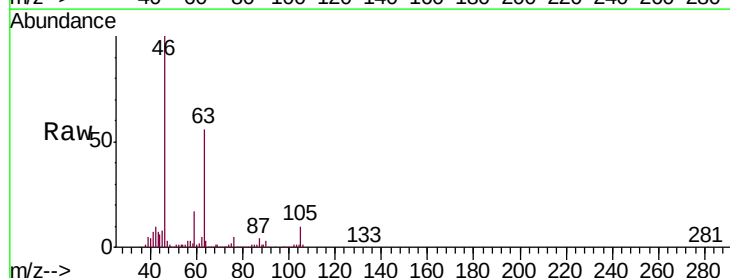
Instrument :
MSVOA_U
ClientSampleId :
BFE13DL

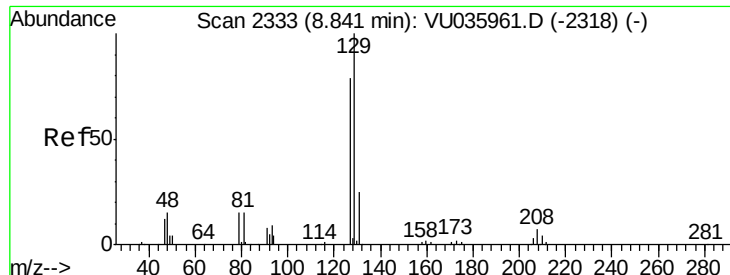
Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.1	67.9	126.1
131	89.8	64.1	119.1
166	113.2	92.6	172.0



#48
2-Hexanone
Concen: 2.194 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.05 min
Lab File: VU035964.D
Acq: 04 Dec 2019 12:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	45.4	68.2#
57	39.6	14.9	22.3#
100	1.6	8.6	13.0#





#49

Dibromochloromethane

Concen: 0.409 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035964.D

Acq: 04 Dec 2019 12:04

Instrument :

MSVOA_U

ClientSampleId :

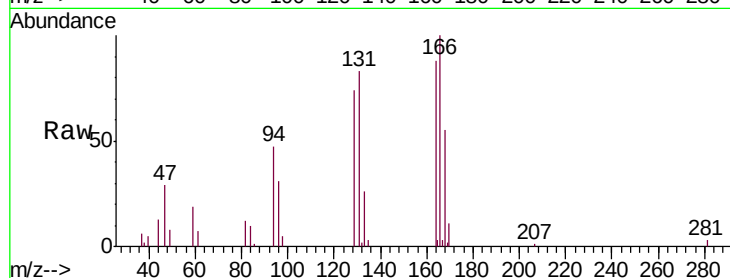
BFE13DL

Tgt Ion:129 Resp: 9272

Ion Ratio Lower Upper

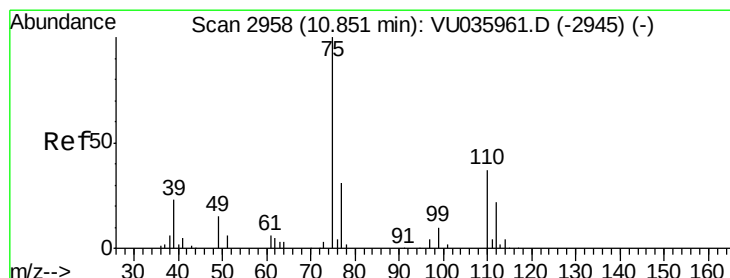
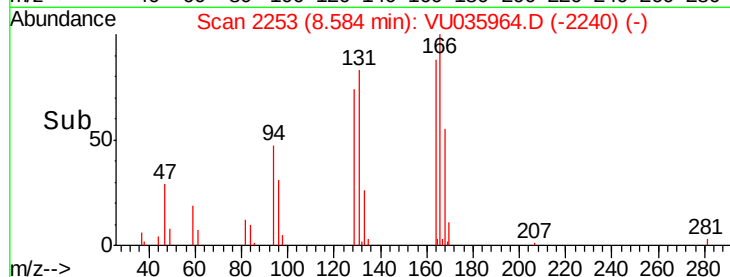
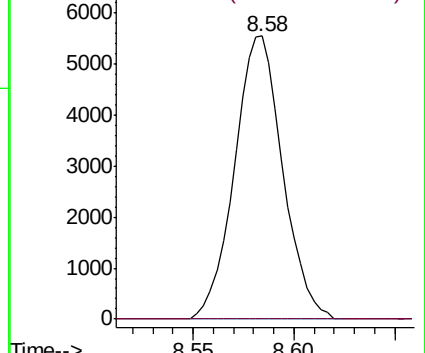
129 100

127 0.0 52.8 98.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.665 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035964.D

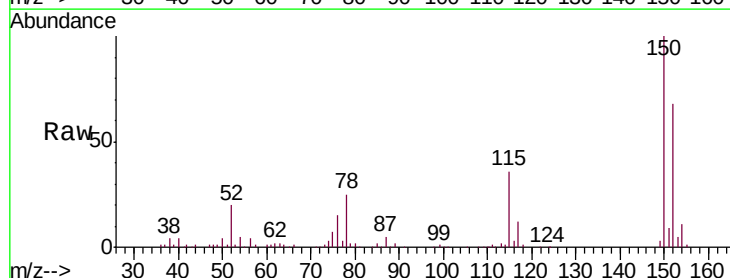
Acq: 04 Dec 2019 12:04

Tgt Ion: 75 Resp: 11800

Ion Ratio Lower Upper

75 100

77 40.7 26.6 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

