

Data File : VU032053.D
Acq On : 16 May 2019 16:55
Operator : JC/SP
Sample : K2739-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB885

Quant Time: May 17 07:21:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	383625	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	388571	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152985	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79226	2.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	49.00%
7) Chloroethane-d5	1.67	69	83895	3.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	60.80%#
11) 1,1-Dichloroethene-d2	2.27	63	117637	2.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	45.60%#
20) 2-Butanone-d5	4.19	46	300729	47.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.80%
24) Chloroform-d	4.64	84	207482	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.00%
26) 1,2-Dichloroethane-d4	5.31	65	112681	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
32) Benzene-d6	5.33	84	395187	3.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	66.60%#
36) 1,2-Dichloropropane-d6	6.33	67	131466	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.80%
41) Toluene-d8	7.56	98	312335	2.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.80%#
43) trans-1,3-Dichloropropene-	7.85	79	40046	3.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.20%
46) 2-Hexanone-d5	8.31	63	240713	42.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	123768	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	129463	3.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.80%#

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	2841	0.154 ug/L	93
8) Chloroethane	1.59	64	3038	0.253 ug/L #	51
13) Acetone	2.32	43	17910	8.599 ug/L	94
14) Carbon disulfide	2.47	76	7874	0.160 ug/L #	90
16) Methylene chloride	2.69	84	2181	0.119 ug/L #	85
17) Methyl tert-butyl Ether	3.00	73	5915	0.163 ug/L #	83
21) 2-Butanone	4.29	43	3249	1.087 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	9384	0.578 ug/L	99
35) Methylcyclohexane	6.33	83	32221	1.383 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13830	0.948 ug/L #	87
42) Toluene	7.64	91	10030	0.161 ug/L	89
44) trans-1,3-Dichloropropene	7.85	75	1800	0.115 ug/L #	66
47) Tetrachloroethene	8.22	164	9722	0.804 ug/L	84
48) 2-Hexanone	8.37	43	10640	2.028 ug/L #	65
59) 1,2,3-Trichloropropane	11.48	75	16752	1.808 ug/L #	87
69) Naphthalene	13.76	128	6413	0.329 ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

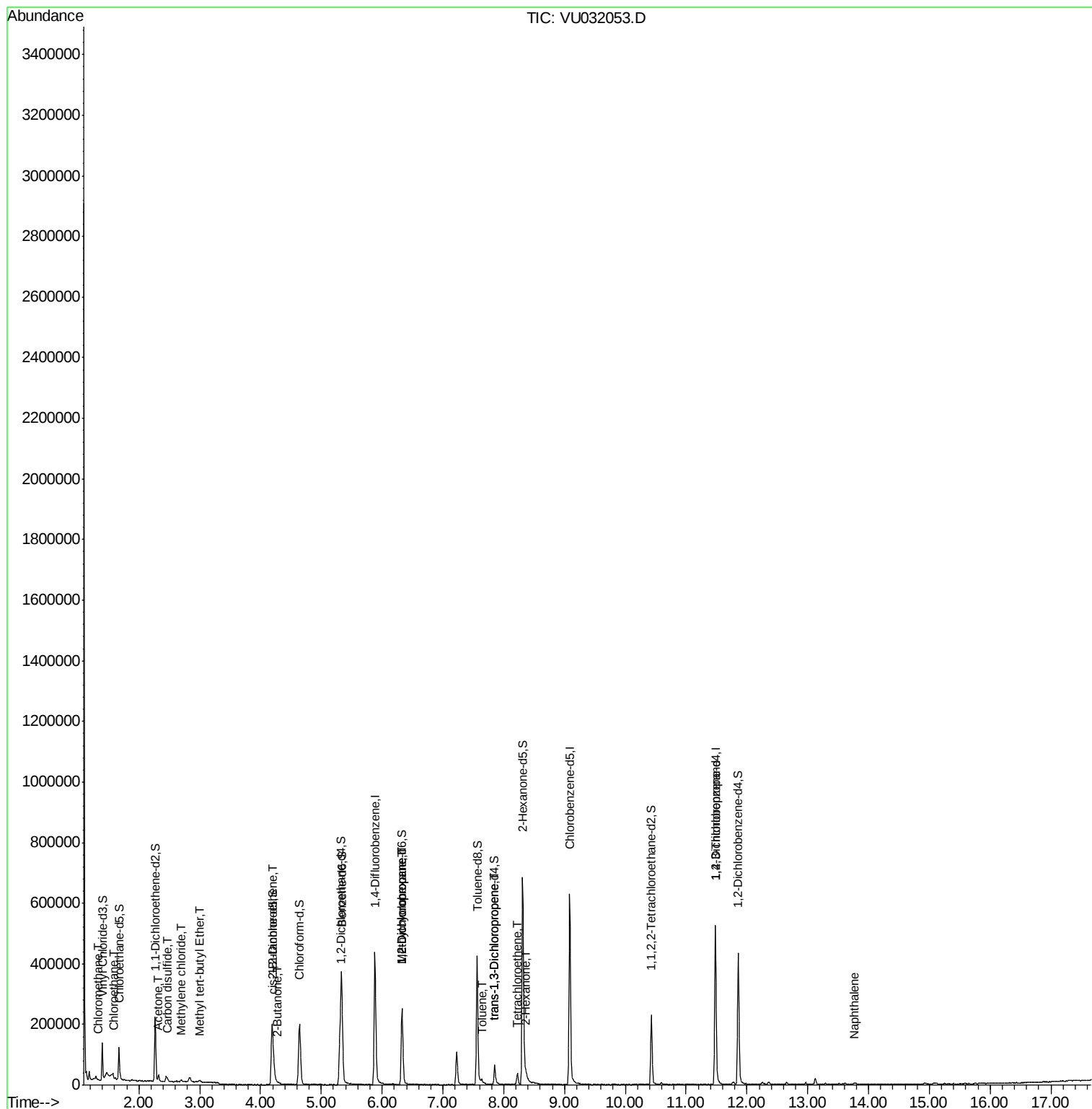
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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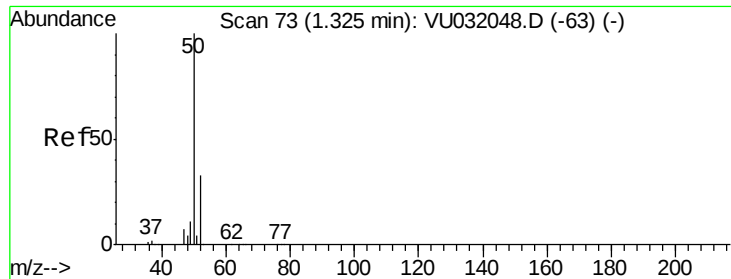
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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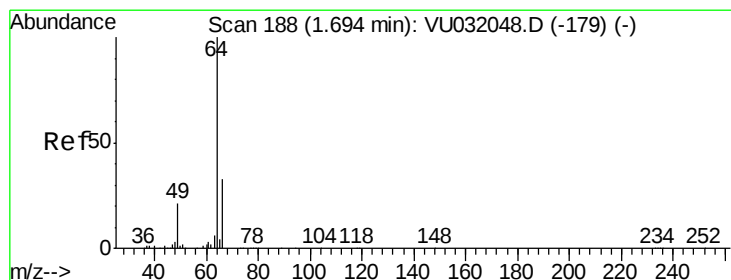
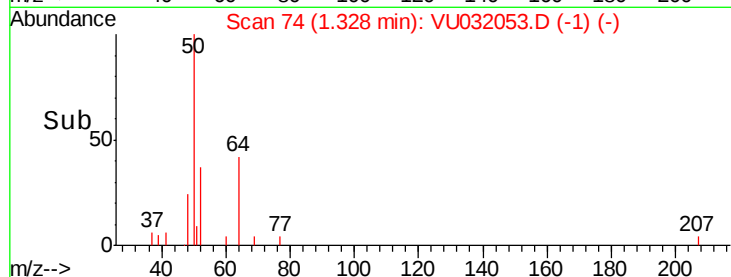
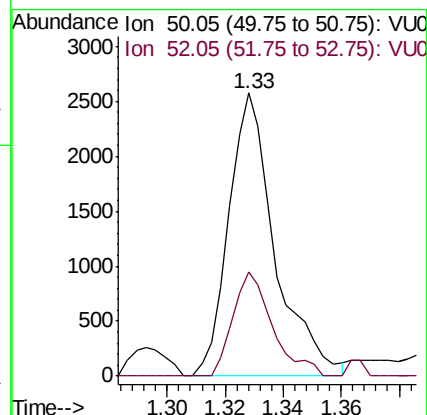
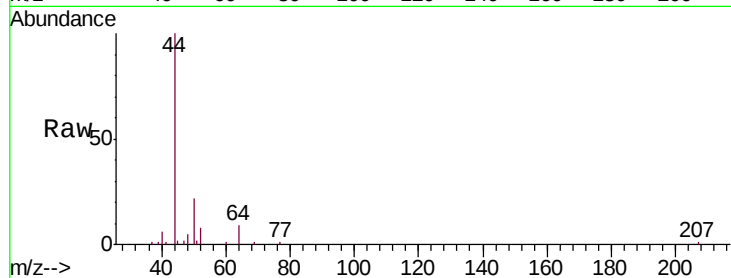




#3
Chloromethane
Concen: 0.154 ug/L
RT: 1.33 min Scan# 74
Delta R.T. 0.00 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

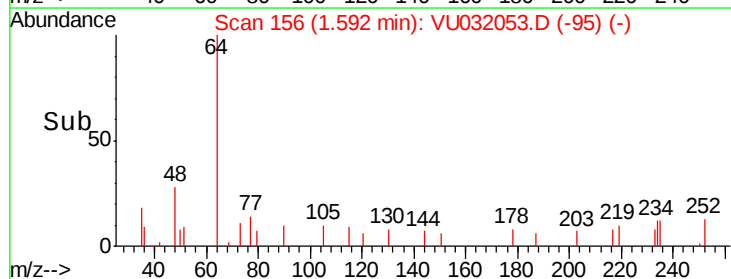
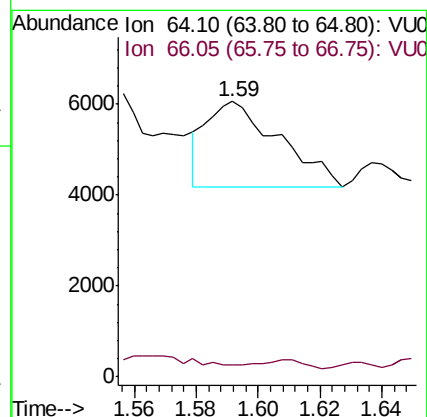
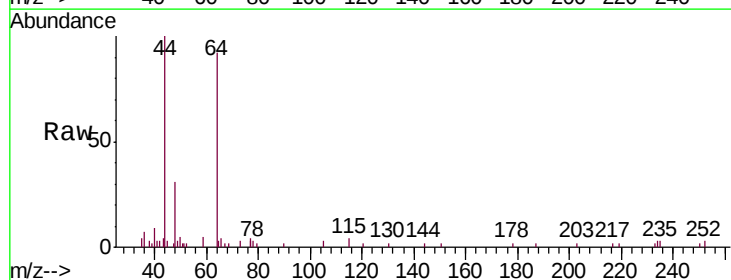
Instrument :
MSVOA_U
ClientSampleId :
DB885

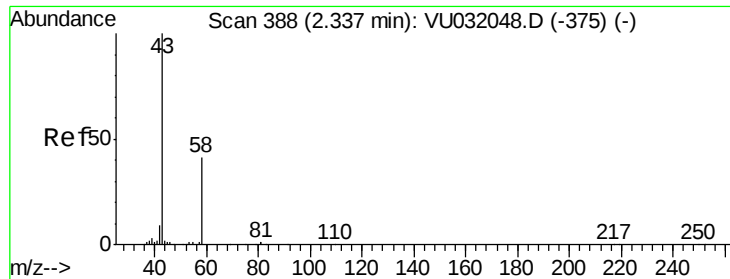
Tgt Ion: 50 Resp: 2841
Ion Ratio Lower Upper
50 100
52 37.0 23.2 43.0



#8
Chloroethane
Concen: 0.253 ug/L
RT: 1.59 min Scan# 156
Delta R.T. -0.10 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

Tgt Ion: 64 Resp: 3038
Ion Ratio Lower Upper
64 100
66 4.3 22.0 41.0#





#13

Acetone

Concen: 8.599 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.02 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

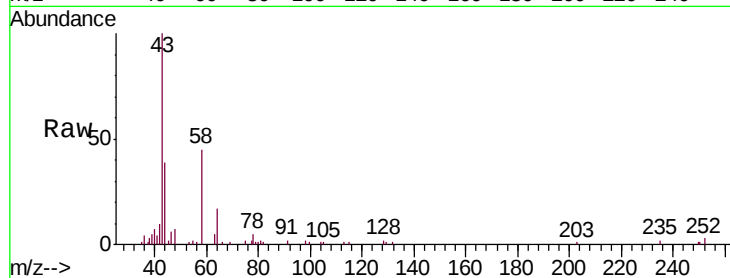
DB885

Tgt Ion: 43 Resp: 17910

Ion Ratio Lower Upper

43 100

58 43.3 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032048.D (-375) (-)

2.32

12000

10000

8000

6000

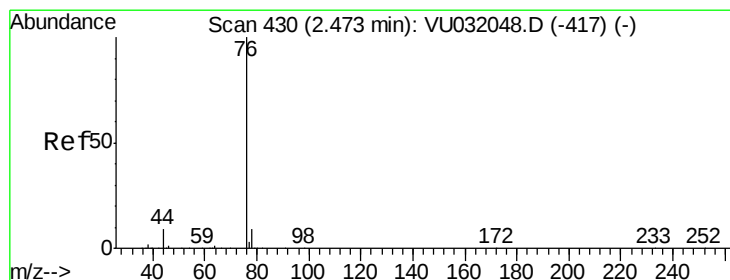
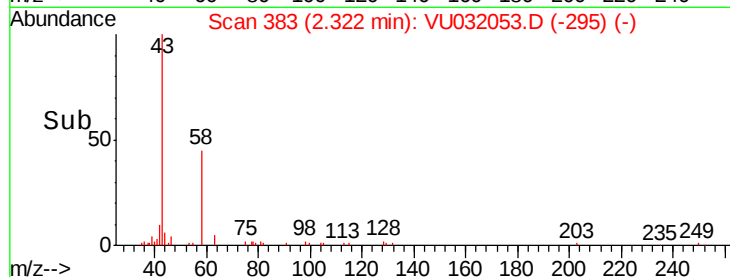
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 0.160 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032053.D

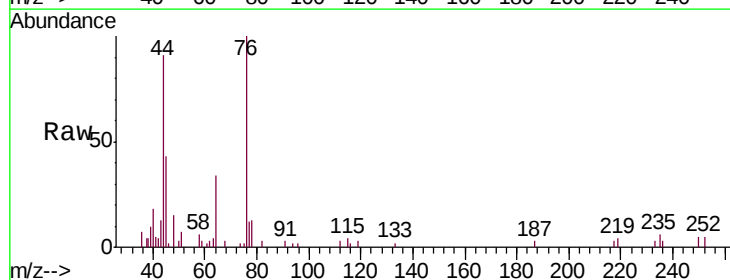
Acq: 16 May 2019 16:55

Tgt Ion: 76 Resp: 7874

Ion Ratio Lower Upper

76 100

78 13.4 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VU032048.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU032048.D (-417) (-)

2.47

5000

4000

3000

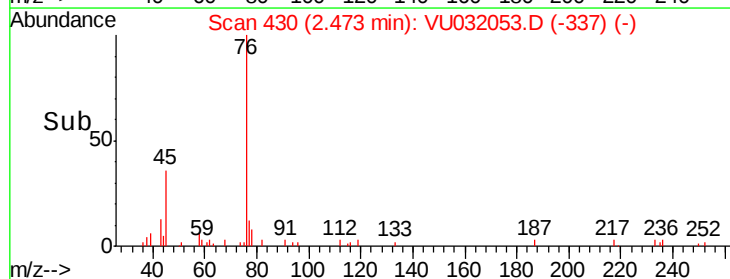
2000

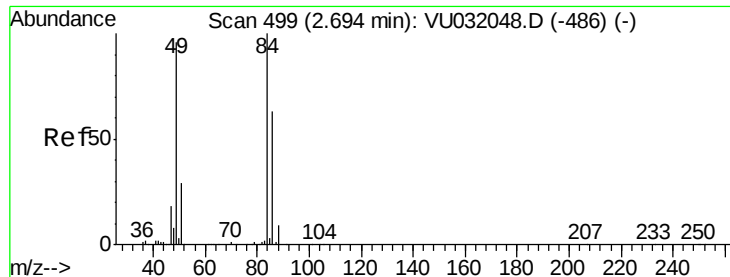
1000

0

Time-->

2.40 2.45 2.50 2.55

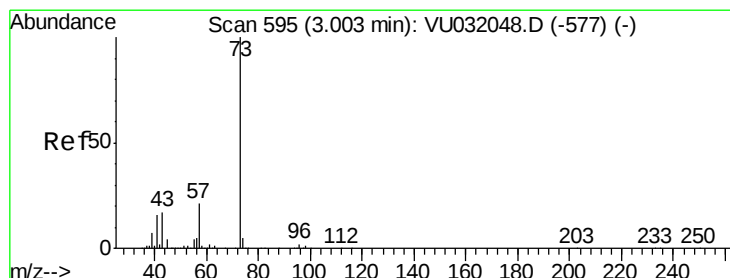
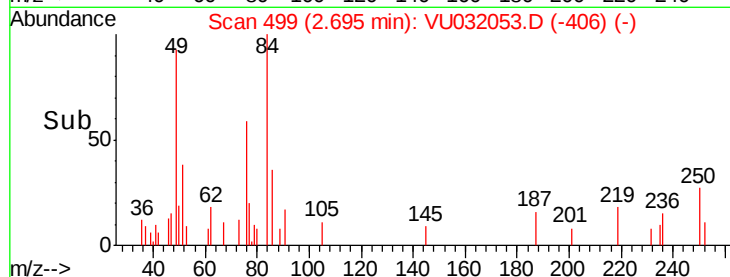
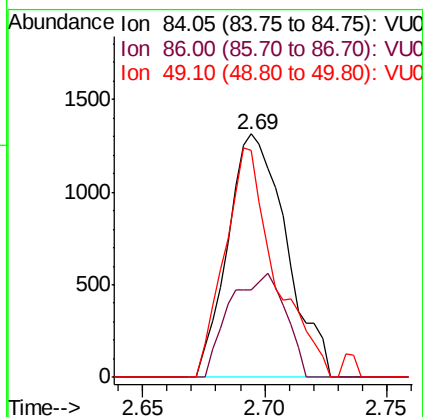
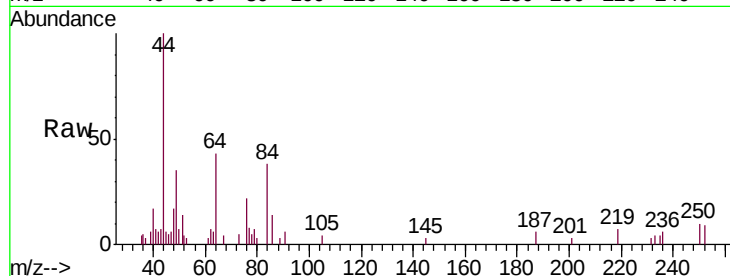




#16
Methylene chloride
Concen: 0.119 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

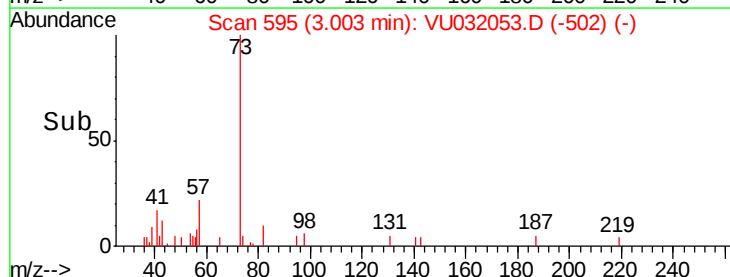
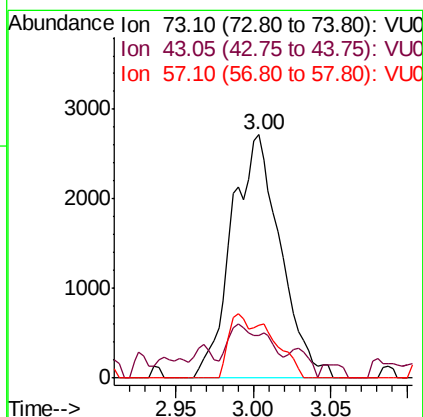
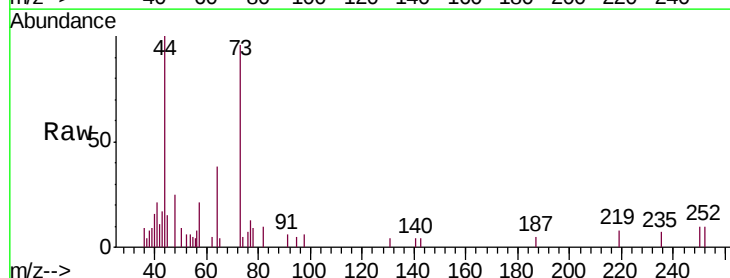
Instrument :
MSVOA_U
ClientSampleId :
DB885

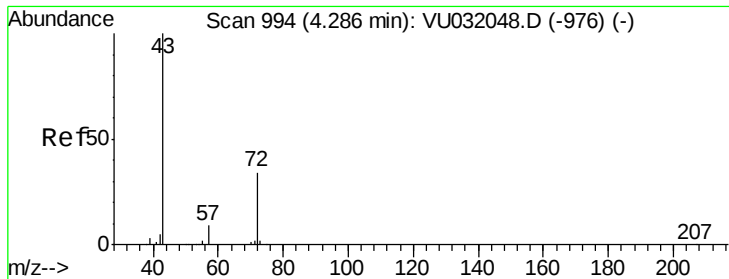
Tgt Ion: 84 Resp: 2181
Ion Ratio Lower Upper
84 100
86 35.8 43.1 80.1#
49 93.4 67.7 125.7



#17
Methyl tert-butyl Ether
Concen: 0.163 ug/L
RT: 3.00 min Scan# 595
Delta R.T. 0.00 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

Tgt Ion: 73 Resp: 5915
Ion Ratio Lower Upper
73 100
43 11.1 13.0 19.6#
57 12.3 17.9 26.9#





#21

2-Butanone

Concen: 1.087 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.00 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

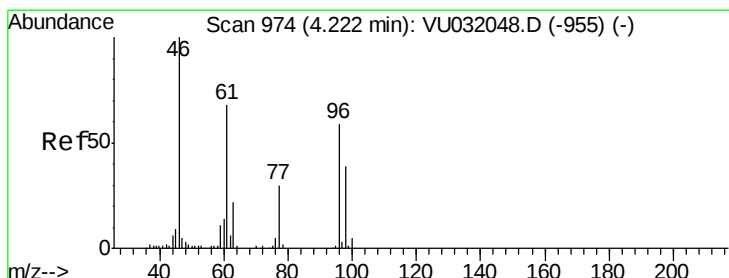
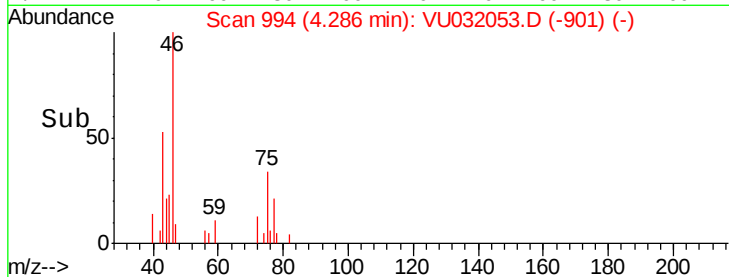
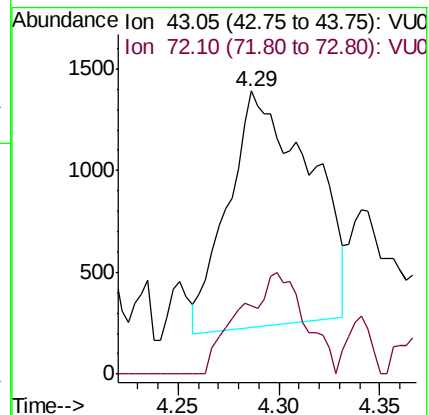
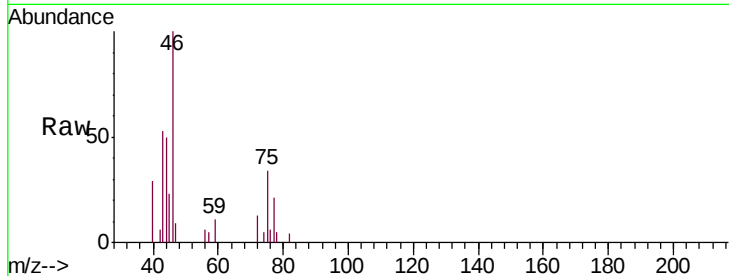
DB885

Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

72 34.2 16.8 50.3



#22

cis-1,2-Dichloroethene

Concen: 0.578 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.01 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

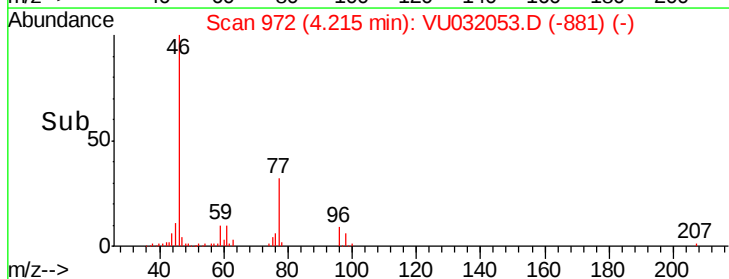
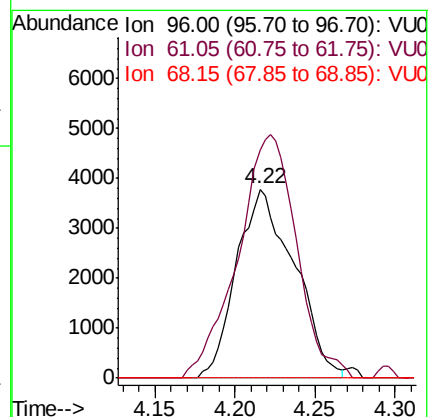
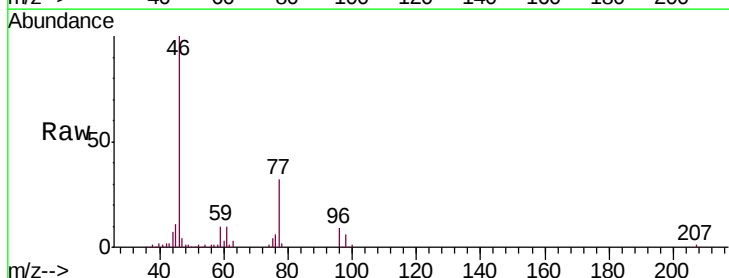
Tgt Ion: 96 Resp: 9384

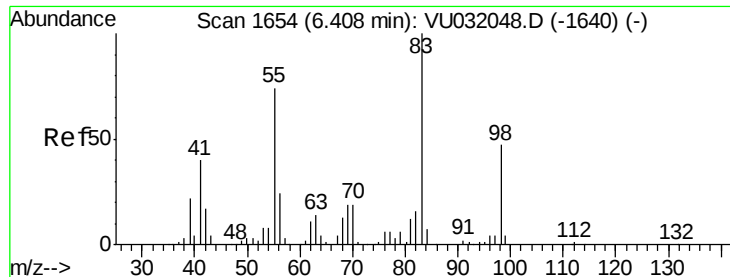
Ion Ratio Lower Upper

96 100

61 121.2 85.8 159.4

68 0.0 0.0 0.0

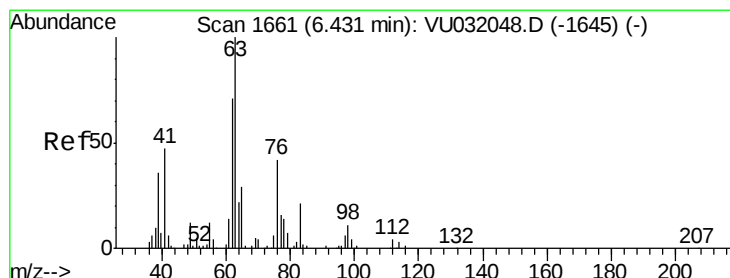
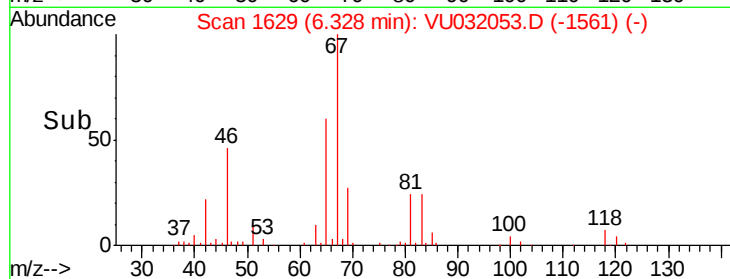
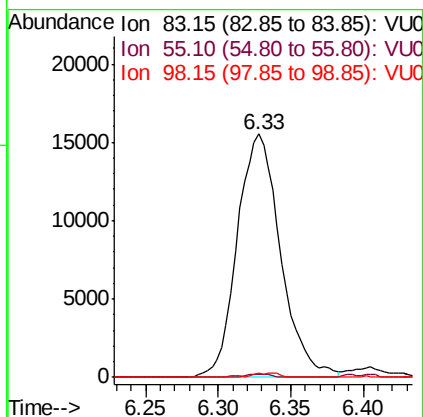
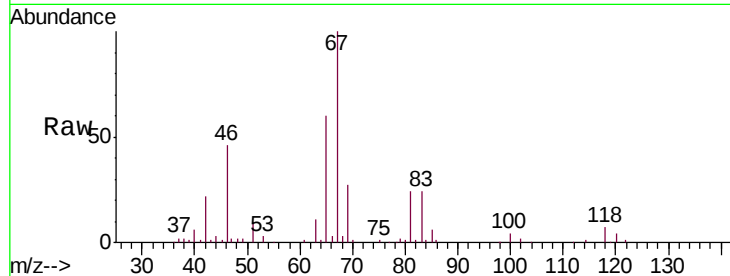




#35
Methylcyclohexane
Concen: 1.383 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

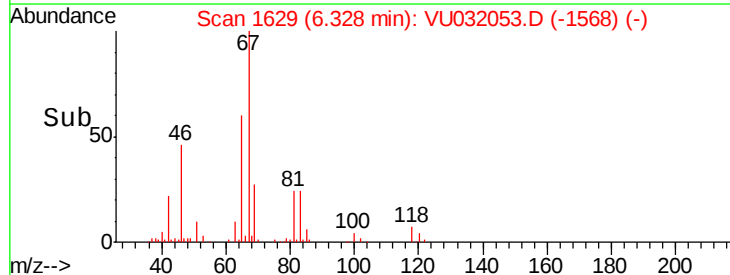
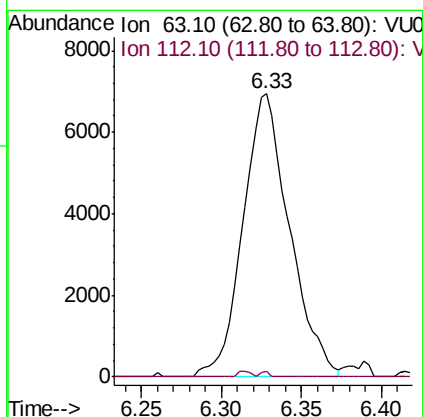
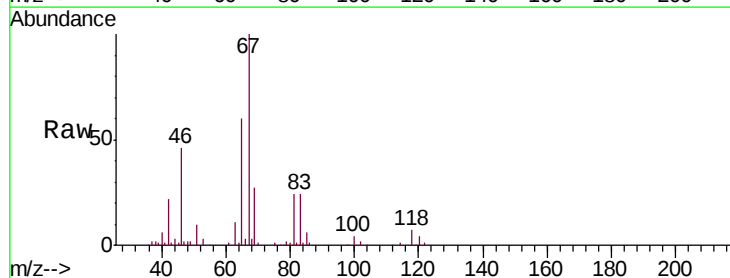
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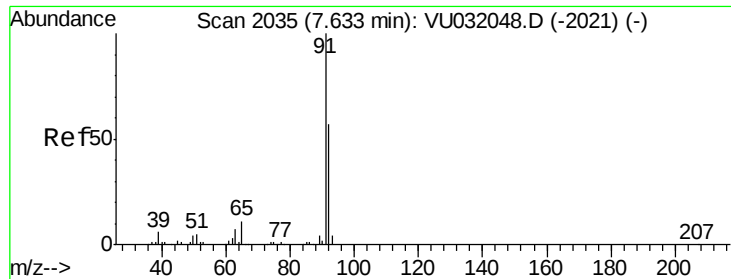
Tgt Ion: 83 Resp: 32221
Ion Ratio Lower Upper
83 100
55 0.7 59.7 89.5#
98 1.0 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 0.948 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032053.D
Acq: 16 May 2019 16:55

Tgt Ion: 63 Resp: 13830
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.6#





#42

Toluene

Concen: 0.161 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

Instrument :

MSVOA_U

ClientSampleId :

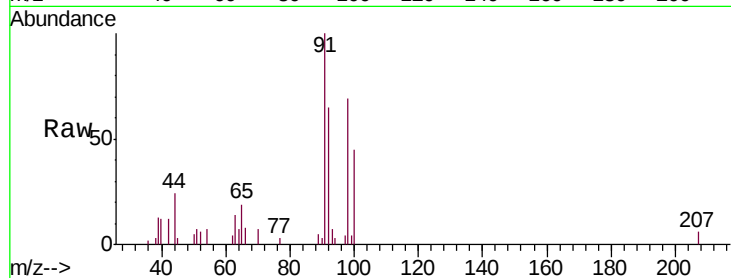
DB885

Tgt Ion: 91 Resp: 10030

Ion Ratio Lower Upper

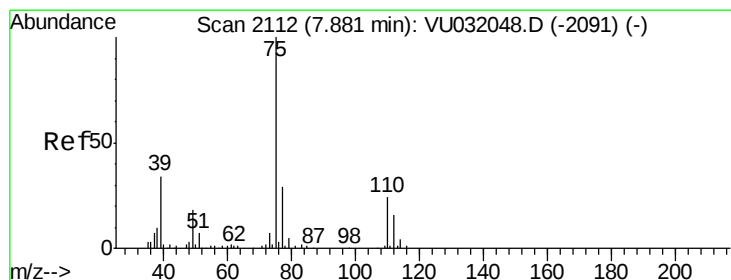
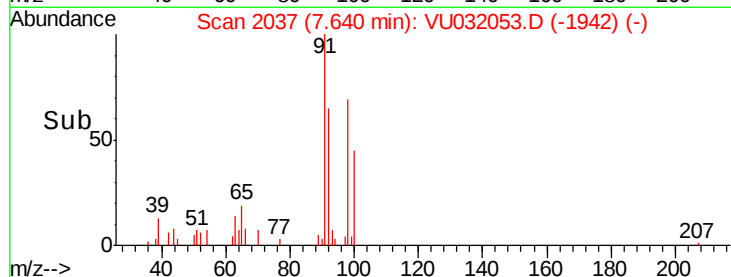
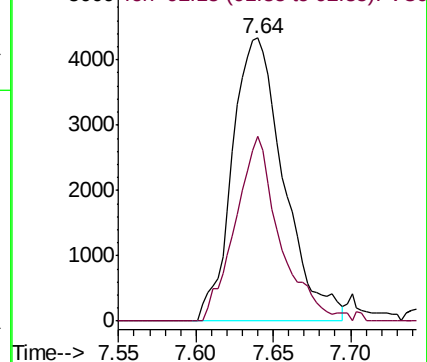
91 100

92 65.2 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU032048.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VU032048.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032053.D

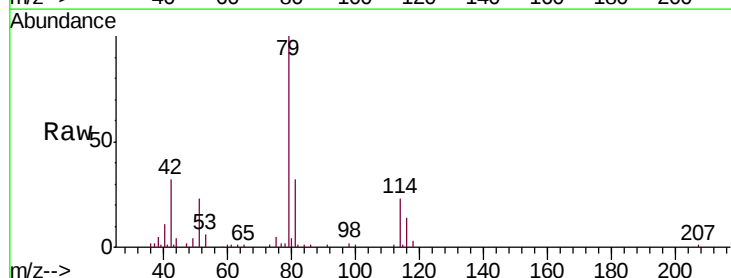
Acq: 16 May 2019 16:55

Tgt Ion: 75 Resp: 1800

Ion Ratio Lower Upper

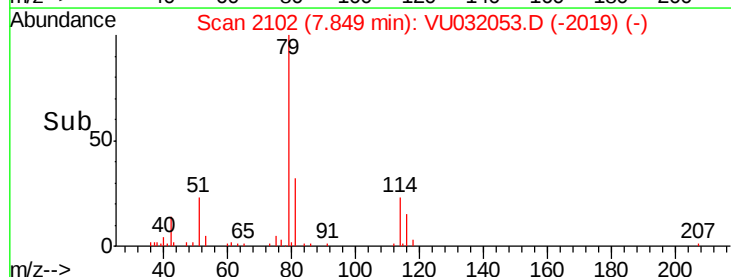
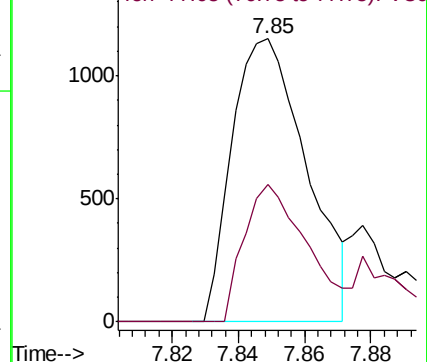
75 100

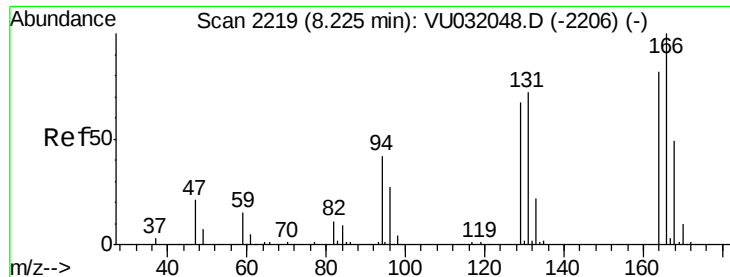
77 48.3 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU032048.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU032048.D (-2091) (-)





#47

Tetrachloroethene

Concen: 0.804 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

Instrument :

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ClientSampleId :

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Tgt Ion:164 Resp: 9722

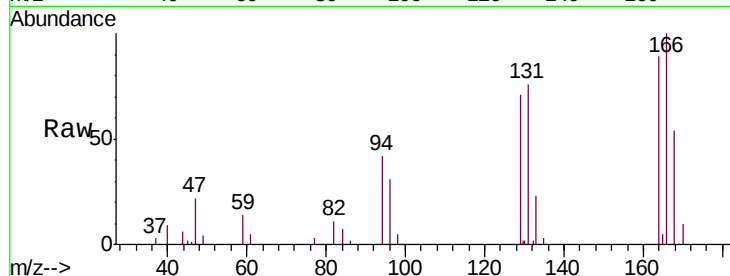
Ion Ratio Lower Upper

164 100

129 79.2 70.3 130.5

131 85.1 64.5 119.9

166 111.9 92.3 171.5

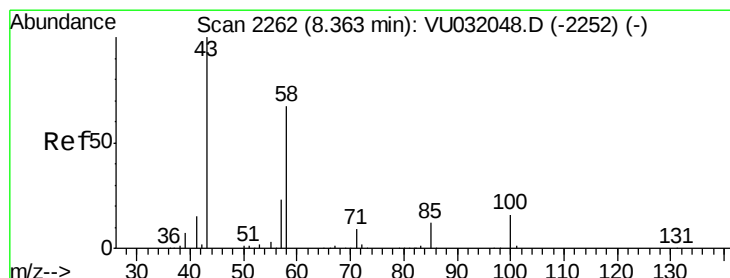
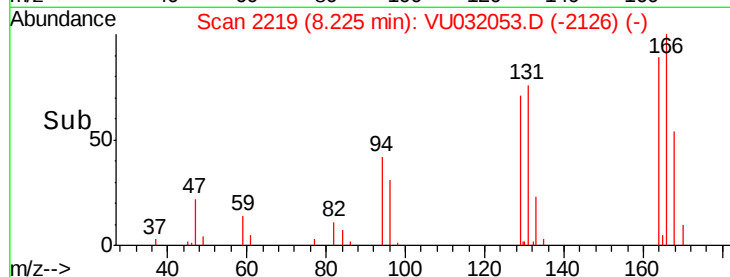
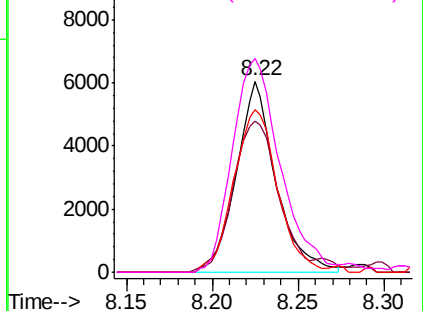


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.028 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU032053.D

Acq: 16 May 2019 16:55

Tgt Ion: 43 Resp: 10640

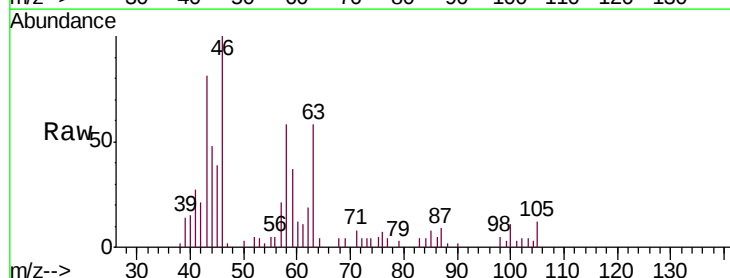
Ion Ratio Lower Upper

43 100

58 30.1 51.6 77.4#

57 7.2 18.4 27.6#

100 17.3 12.2 18.4

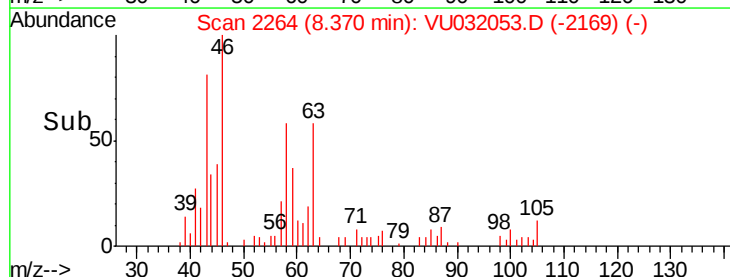
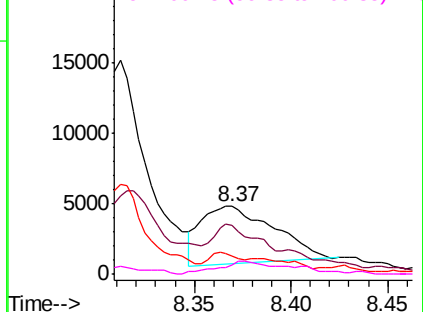


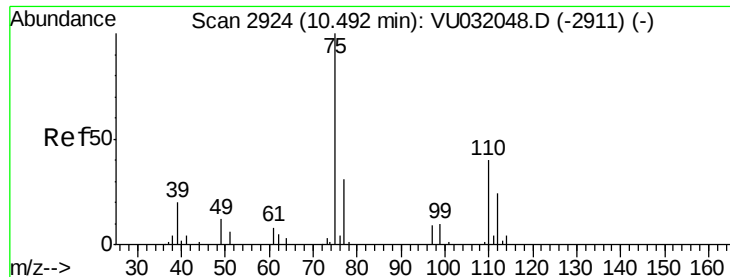
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

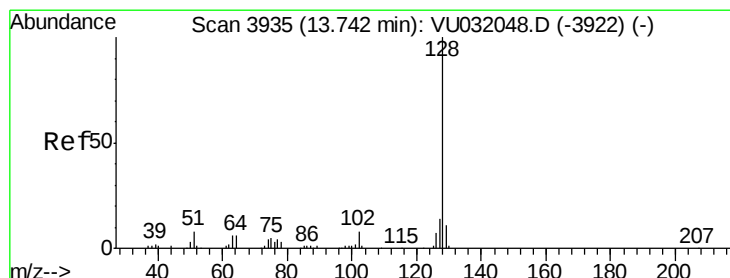
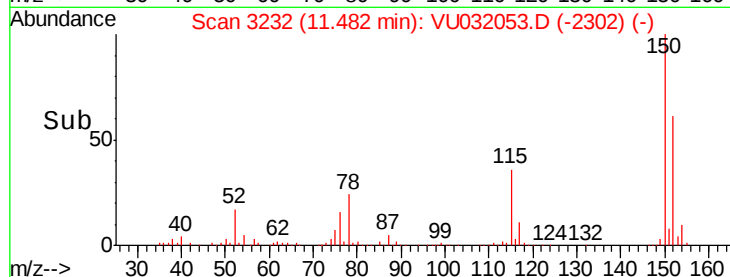
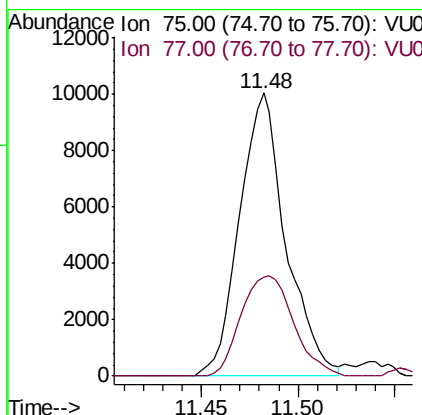
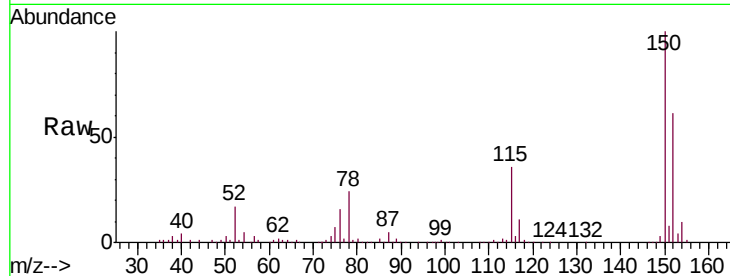




#59
 1,2,3-Trichloropropane
 Concen: 1.808 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU032053.D
 Acq: 16 May 2019 16:55

Instrument :
 MSVOA_U
 ClientSampleID :
 DB885

Tgt Ion: 75 Resp: 16752
 Ion Ratio Lower Upper
 75 100
 77 40.2 26.2 39.2#



#69
 Naphthalene
 Concen: 0.329 ug/L
 RT: 13.76 min Scan# 3941
 Delta R.T. 0.02 min
 Lab File: VU032053.D
 Acq: 16 May 2019 16:55

Tgt Ion: 128 Resp: 6413
 Ion Ratio Lower Upper
 128 100
 129 12.4 8.0 12.0#
 127 7.2 10.1 15.1#

