

Data File : VU032024.D
Acq On : 15 May 2019 12:13
Operator : JC/SP
Sample : K2738-06DL 5X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB888DL

Quant Time: May 16 04:28:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 04:24:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1100579	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1081908	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	485687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	367096	38.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.02%
7) Chloroethane-d5	1.67	69	313495	40.09	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.18%
11) 1,1-Dichloroethene-d2	2.27	63	523288	30.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.46%
21) 2-Butanone-d5	4.17	46	589887	87.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.23%
24) Chloroform-d	4.64	84	663561	41.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.10%
26) 1,2-Dichloroethane-d4	5.30	65	426765	41.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.82%
32) Benzene-d6	5.33	84	1439583	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
36) 1,2-Dichloropropane-d6	6.32	67	463490	44.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.70%
41) Toluene-d8	7.56	98	1296137	46.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.38%
43) trans-1,3-Dichloropropene-	7.85	79	197163	43.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.48%
47) 2-Hexanone-d5	8.31	63	383110	91.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	666953	43.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	483184	47.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.56%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4748	0.580	ug/L #	22
12) 1,1-Dichloroethene	2.27	96	4780	0.588	ug/L #	1
13) Acetone	2.32	43	17159	2.468	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	7494	0.886	ug/L	95
29) Cyclohexane	4.99	56	692792	52.240	ug/L	99
35) Methylcyclohexane	6.41	83	1107621	82.303	ug/L	97
37) 1,2-Dichloropropane	6.41	63	10772	1.132	ug/L #	94
44) trans-1,3-Dichloropropene	7.85	75	7276	0.613	ug/L #	1
45) 1,1,2-Trichloroethane	8.04	97	49371	5.657	ug/L #	18
46) Tetrachloroethene	8.22	164	3456	0.558	ug/L	79
48) 2-Hexanone	8.38	43	19585	1.868	ug/L #	45
52) Ethylbenzene	9.25	91	269932	6.936	ug/L	99
53) m,p-Xylene	9.37	106	14325	1.009	ug/L	89
56) Isopropylbenzene	10.16	105	1391665	38.733	ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	62347	5.022	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.64	75	3653	1.123	ug/L #	4
69) Naphthalene	13.74	128	75389	2.580	ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051519\
Quantitation Report (Not Reviewed)

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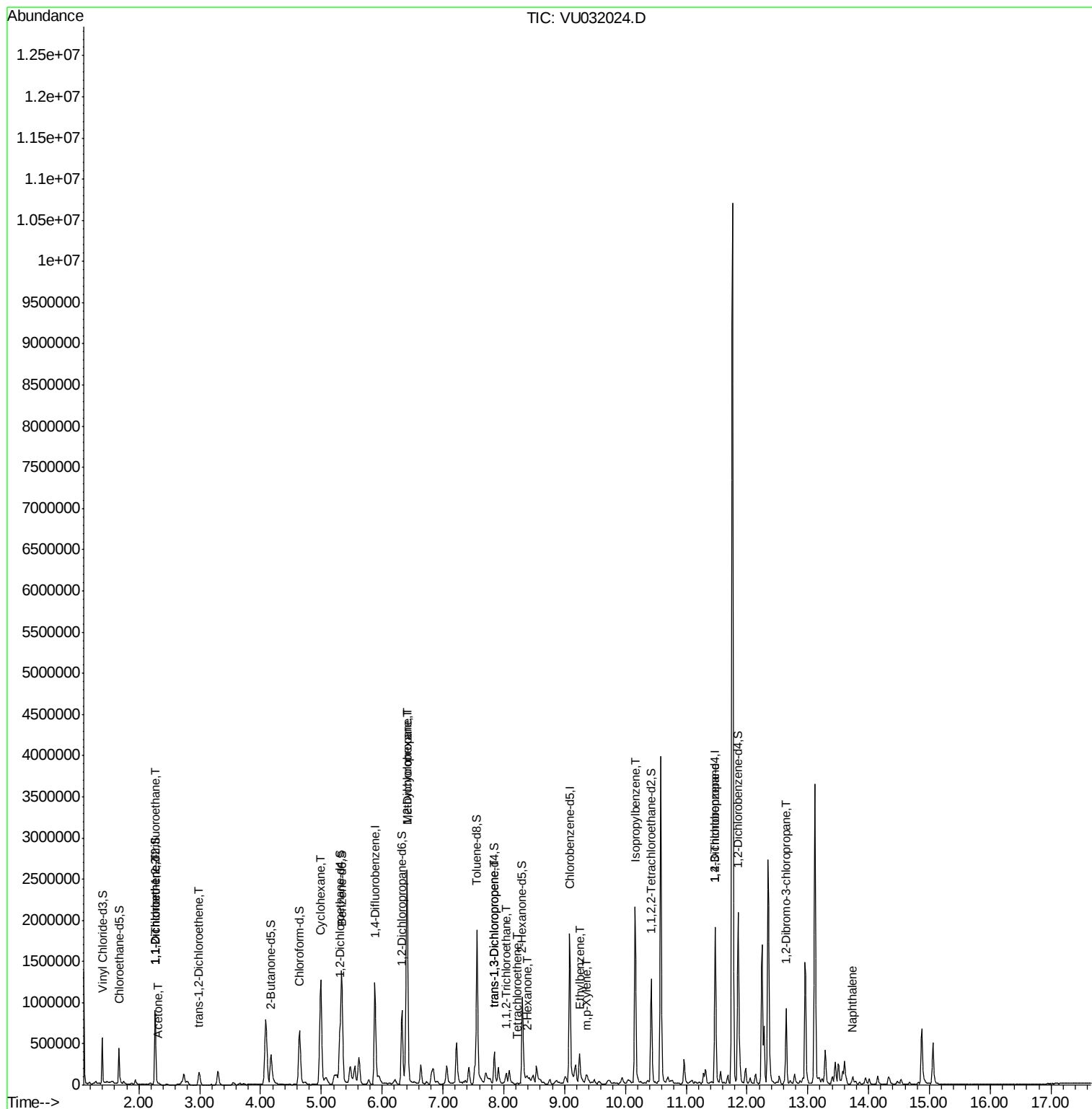
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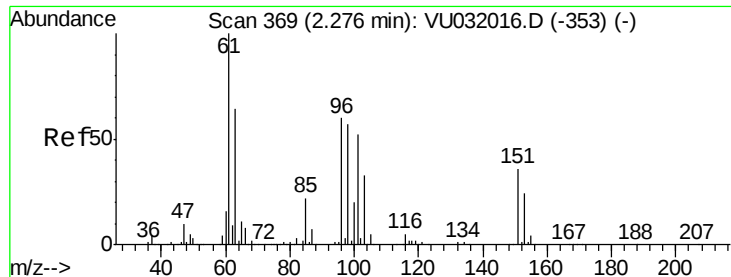
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.580 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

DB888DL

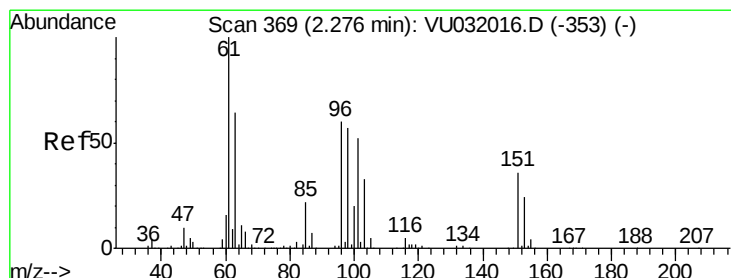
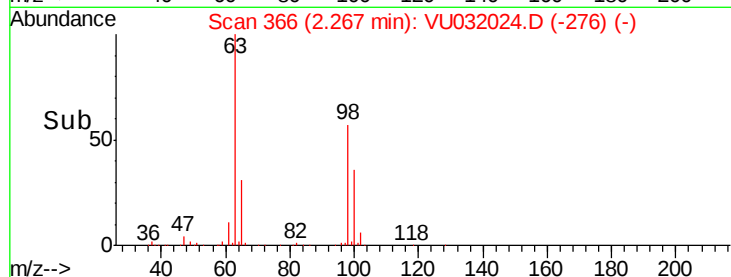
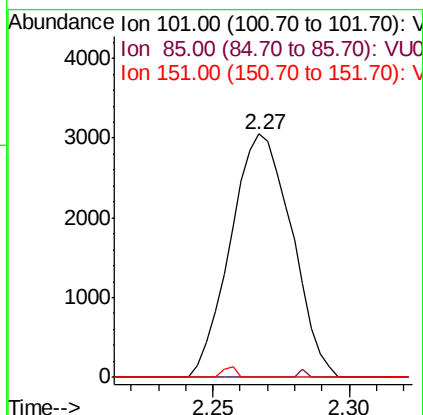
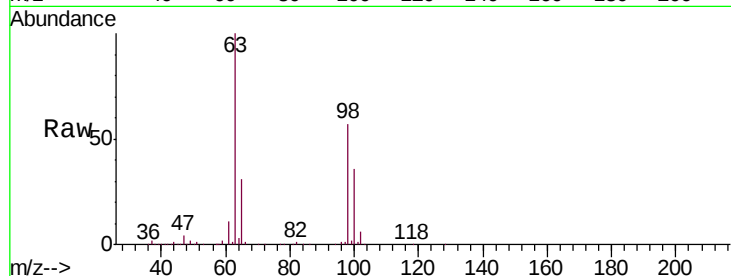
Tgt Ion:101 Resp: 4748

Ion Ratio Lower Upper

101 100

85 0.0 34.1 51.1#

151 1.0 55.8 83.8#



#12

1,1-Dichloroethene

Concen: 0.588 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

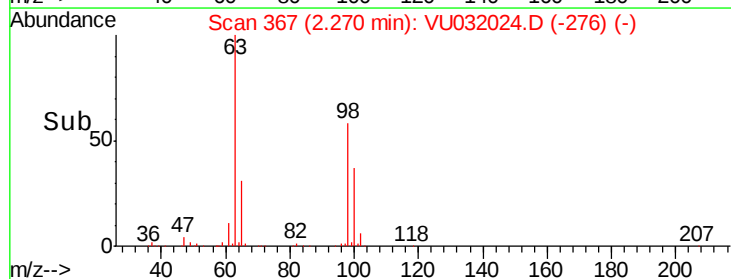
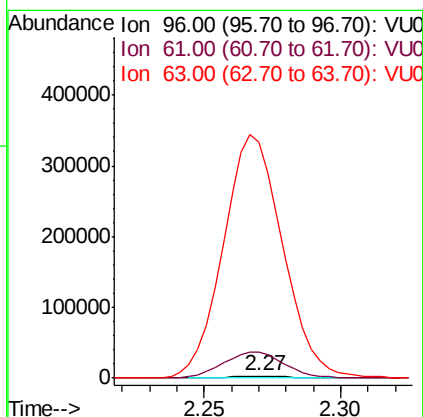
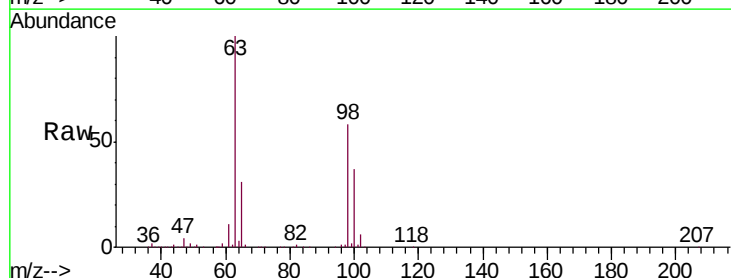
Tgt Ion: 96 Resp: 4780

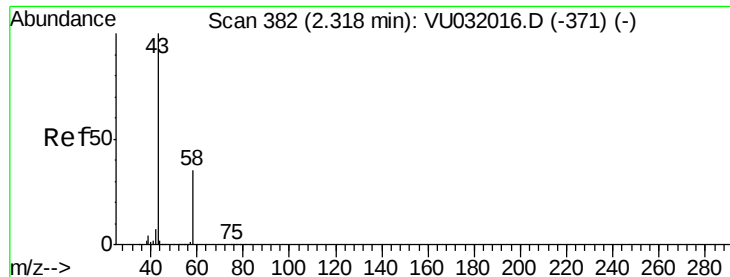
Ion Ratio Lower Upper

96 100

61 1156.4 120.9 224.5#

63 10516.0 84.4 156.8#





#13

Acetone

Concen: 2.468 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

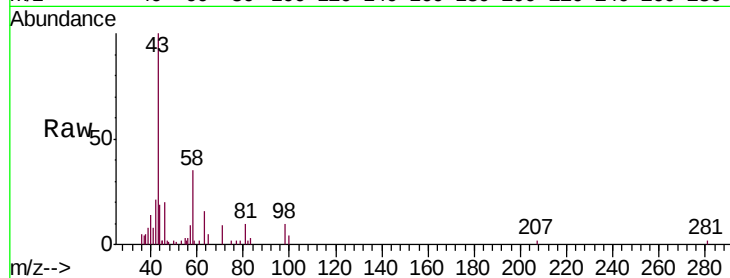
DB888DL

Tgt Ion: 43 Resp: 17159

Ion Ratio Lower Upper

43 100

58 33.5 0.0 68.2

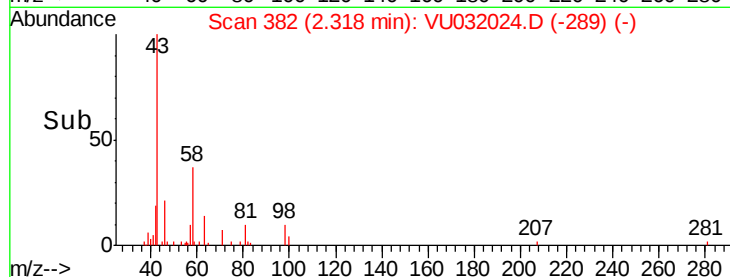


Abundance Ion 43.00 (42.70 to 43.70): VU032016.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU032016.D (-371) (-)

2.32

Time-->

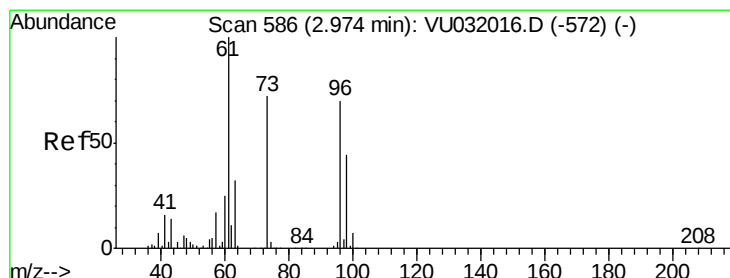


Abundance Ion 43.00 (42.70 to 43.70): VU032024.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU032024.D (-289) (-)

2.32

Time-->



#17

trans-1,2-Dichloroethene

Concen: 0.886 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

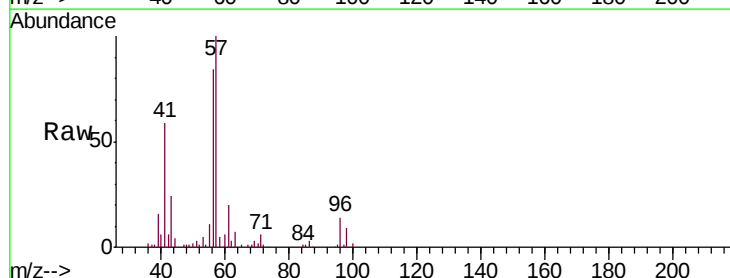
Tgt Ion: 96 Resp: 7494

Ion Ratio Lower Upper

96 100

61 141.4 103.2 191.6

98 61.5 45.7 84.9



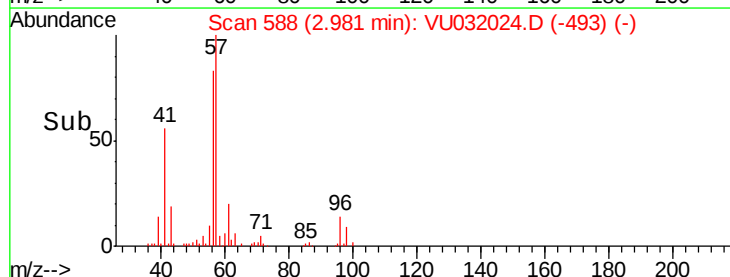
Abundance Ion 96.00 (95.70 to 96.70): VU032016.D (-572) (-)

Ion 61.00 (60.70 to 61.70): VU032016.D (-572) (-)

Ion 98.00 (97.70 to 98.70): VU032016.D (-572) (-)

2.98

Time-->



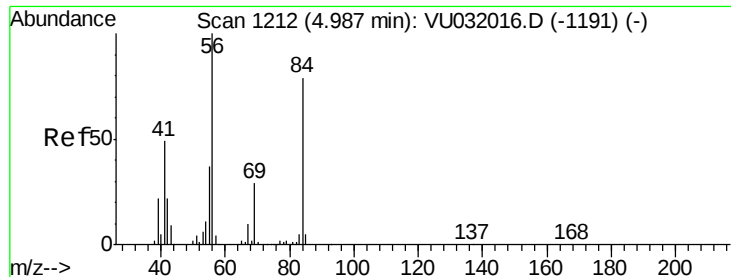
Abundance Ion 96.00 (95.70 to 96.70): VU032024.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032024.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032024.D (-493) (-)

2.98

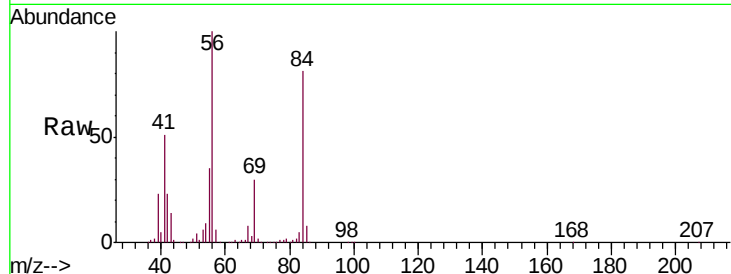
Time-->



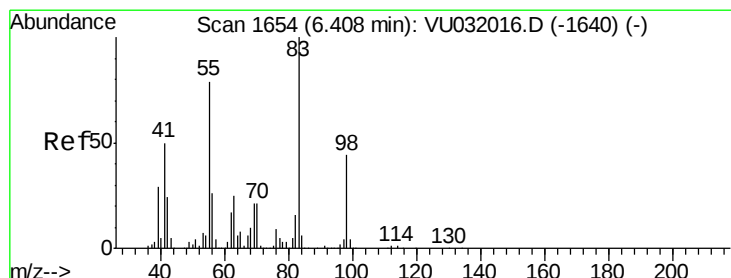
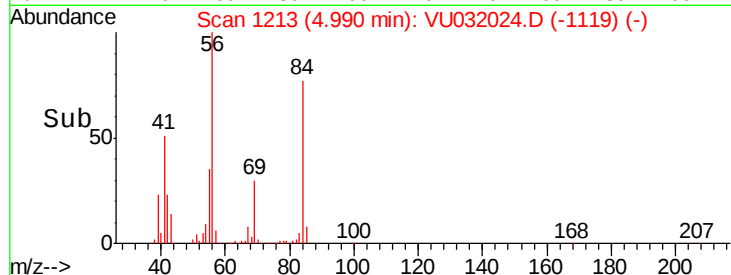
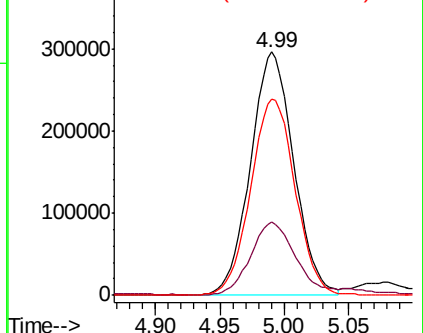
#29
Cyclohexane
Concen: 52.240 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

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MSVOA_U
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DB888DL

Tgt Ion: 56 Resp: 692792
Ion Ratio Lower Upper
56 100
69 30.8 24.8 37.2
84 82.5 65.5 98.3

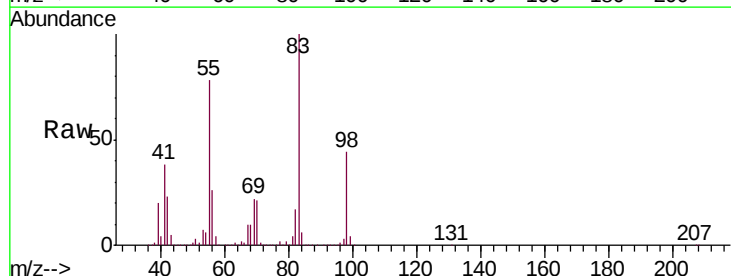


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

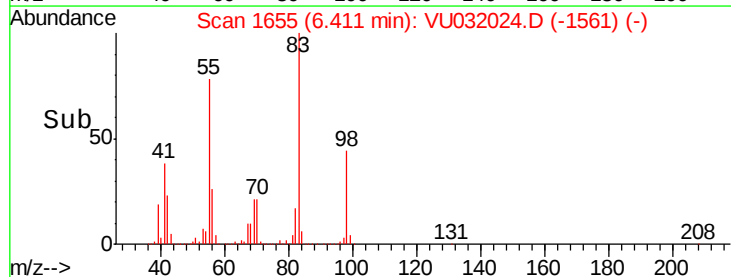
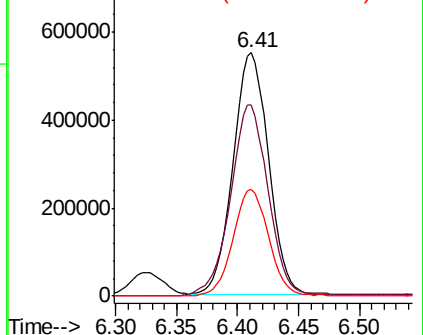


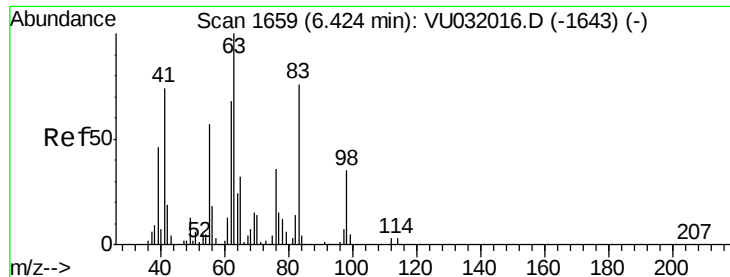
#35
Methylcyclohexane
Concen: 82.303 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

Tgt Ion: 83 Resp: 1107621
Ion Ratio Lower Upper
83 100
55 83.8 64.0 96.0
98 43.9 35.6 53.4



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

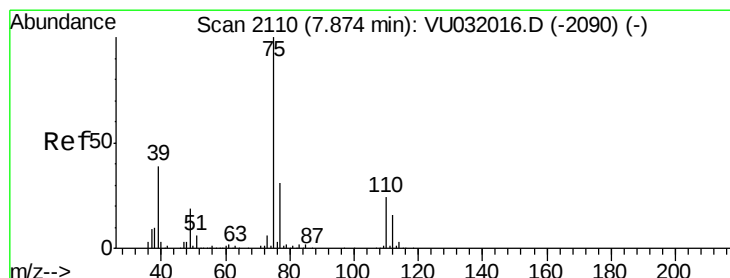
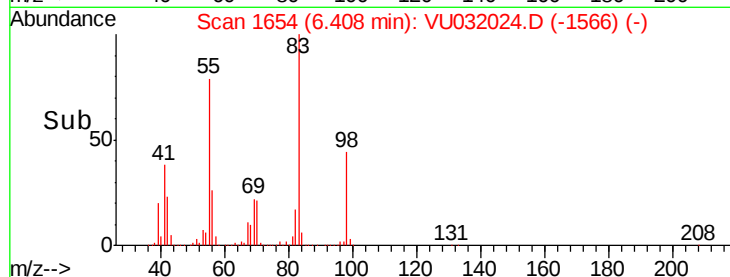
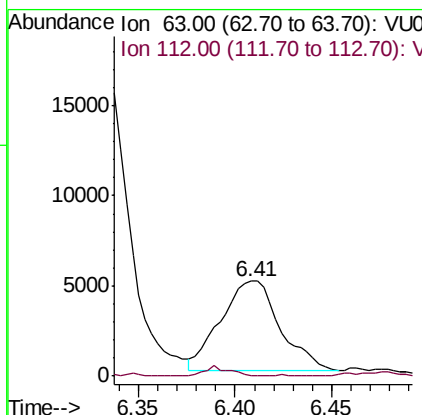
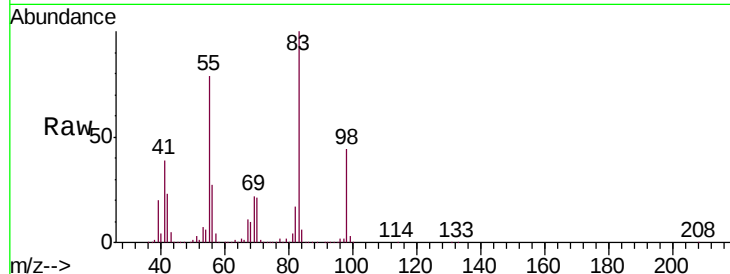




#37
 1,2-Dichloropropane
 Concen: 1.132 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.02 min
 Lab File: VU032024.D
 Acq: 15 May 2019 12:13

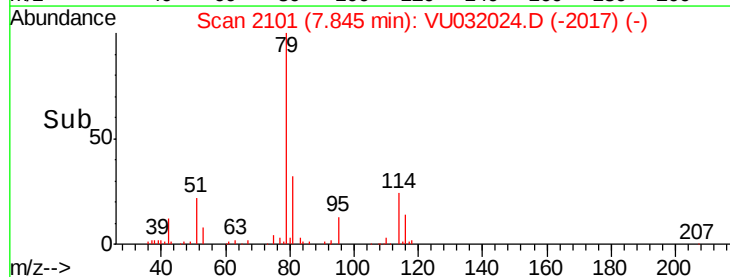
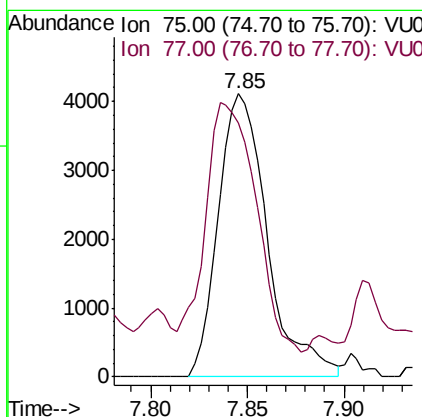
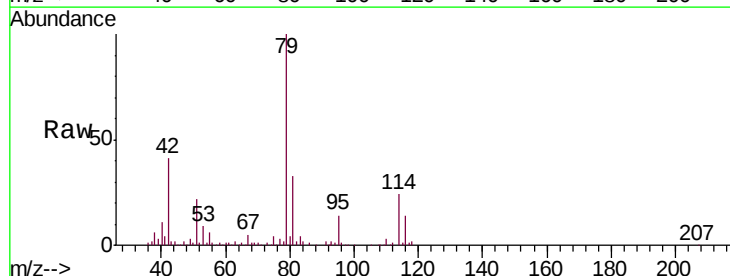
Instrument :
 MSVOA_U
 ClientSampleID :
 DB888DL

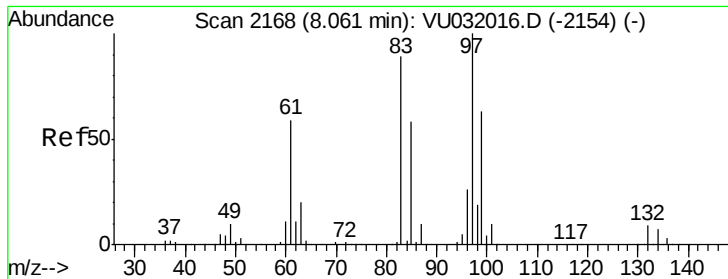
Tgt Ion: 63 Resp: 10772
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.0 4.4#



#44
 trans-1,3-Dichloropropene
 Concen: 0.613 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU032024.D
 Acq: 15 May 2019 12:13

Tgt Ion: 75 Resp: 7276
 Ion Ratio Lower Upper
 75 100
 77 89.5 22.5 41.7#

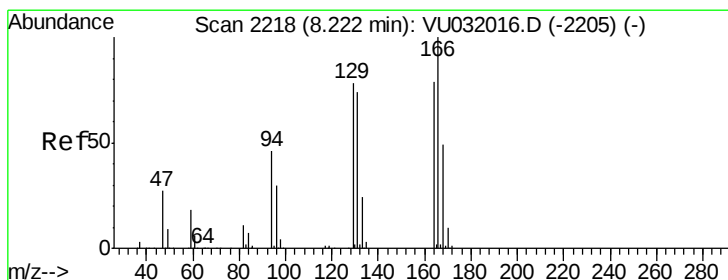
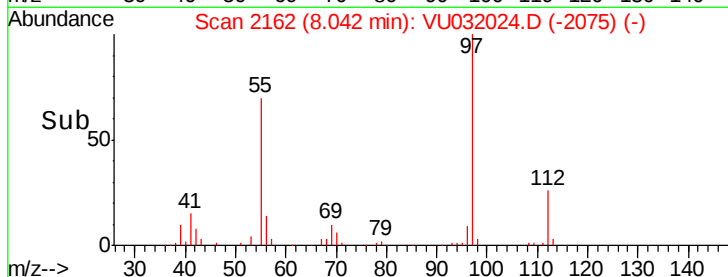
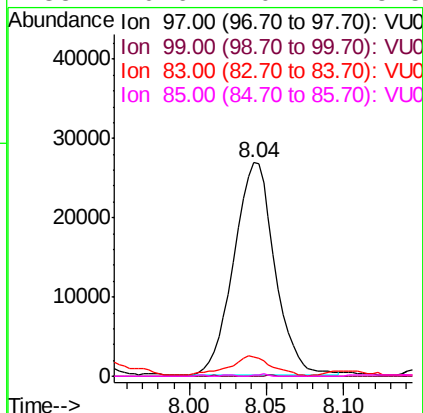
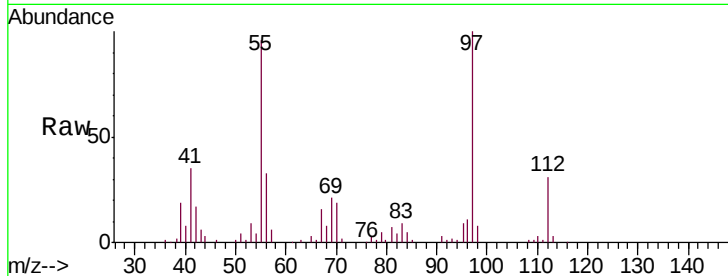




#45
1,1,2-Trichloroethane
Concen: 5.657 ug/L
RT: 8.04 min Scan# 2162
Delta R.T. -0.02 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

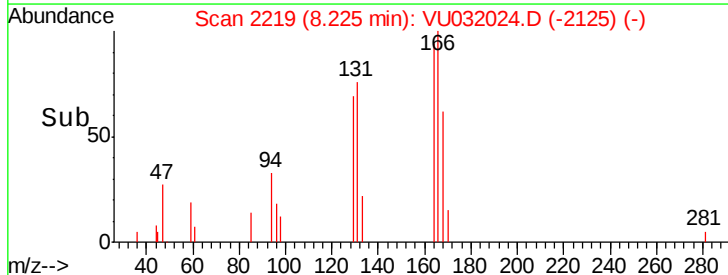
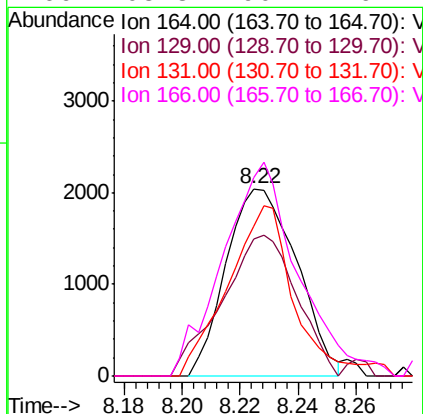
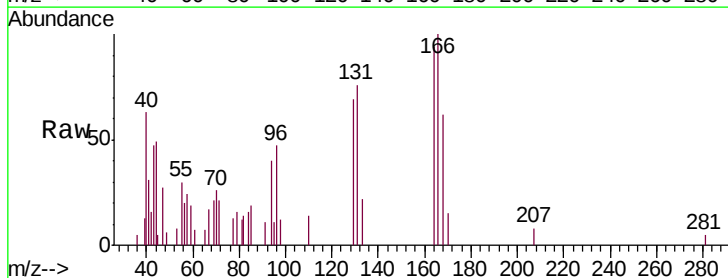
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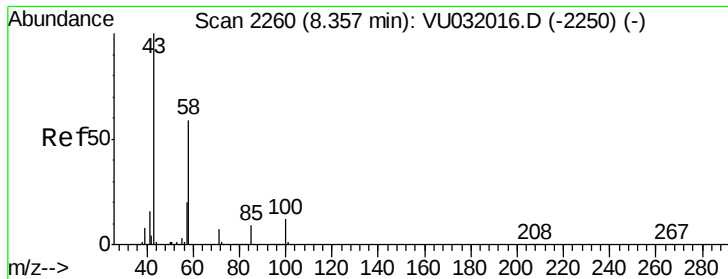
Tgt Ion:	97	Resp:	49371
Ion	Ratio	Lower	Upper
97	100		
99	0.0	44.4	82.4#
83	9.3	63.8	118.4#
85	0.6	40.7	75.5#



#46
Tetrachloroethene
Concen: 0.558 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

Tgt Ion:	164	Resp:	3456
Ion	Ratio	Lower	Upper
164	100		
129	73.3	70.9	131.7
131	80.1	67.4	125.2
166	105.8	90.2	167.4

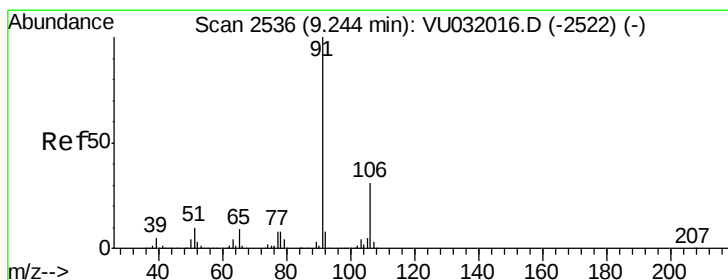
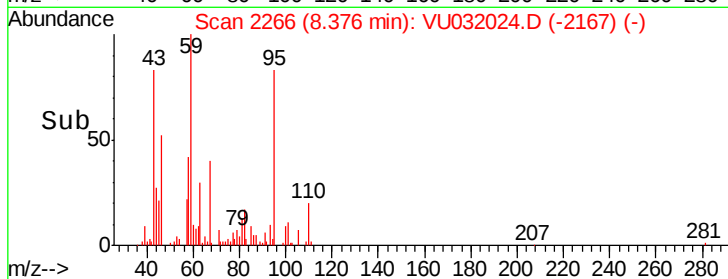
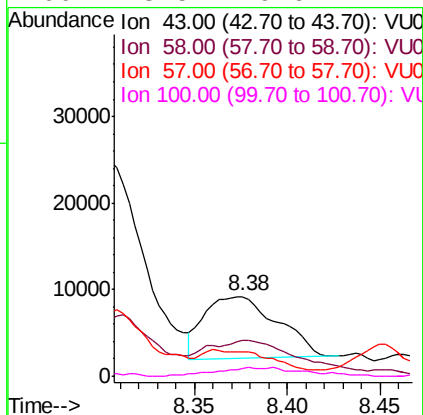
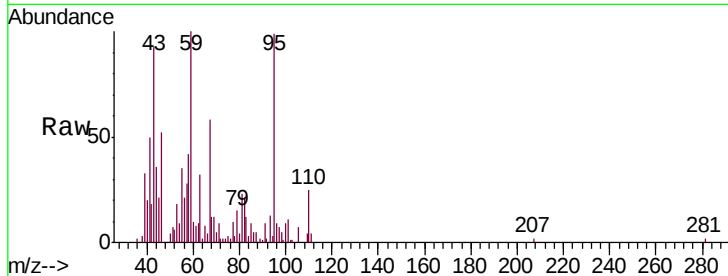




#48
2-Hexanone
Concen: 1.868 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.02 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

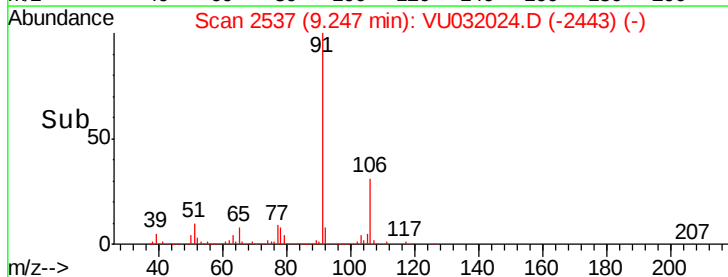
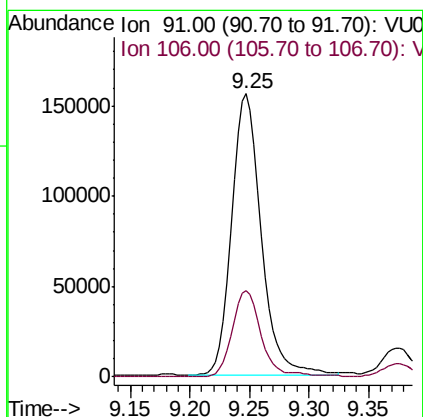
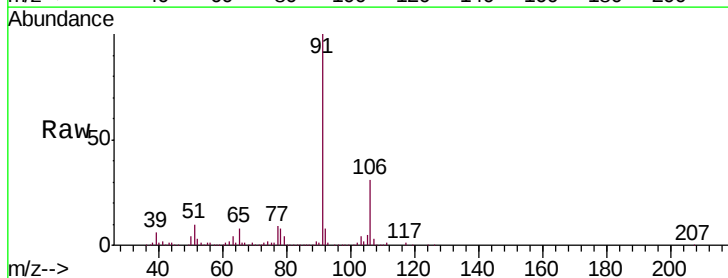
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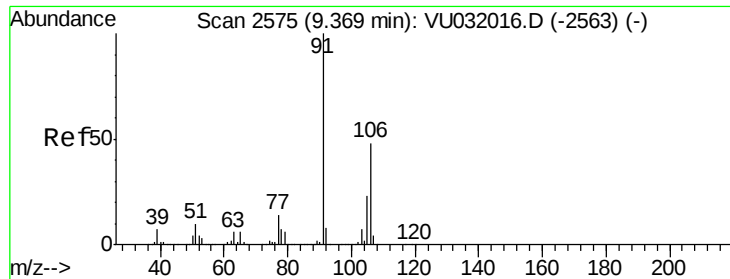
Tgt Ion:	43	Resp:	19585
Ion	Ratio	Lower	Upper
43	100		
58	4.7	47.8	71.6#
57	5.9	16.0	24.0#
100	8.5	9.6	14.4#



#52
Ethylbenzene
Concen: 6.936 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU032024.D
Acq: 15 May 2019 12:13

Tgt Ion:	91	Resp:	269932
Ion	Ratio	Lower	Upper
91	100		
106	30.7	21.3	39.5





#53

m,p-Xylene

Concen: 1.009 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

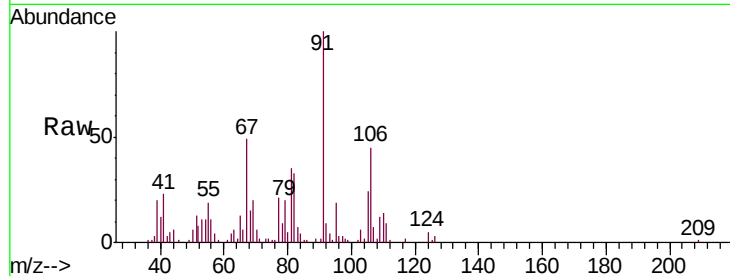
DB888DL

Tgt Ion:106 Resp: 14325

Ion Ratio Lower Upper

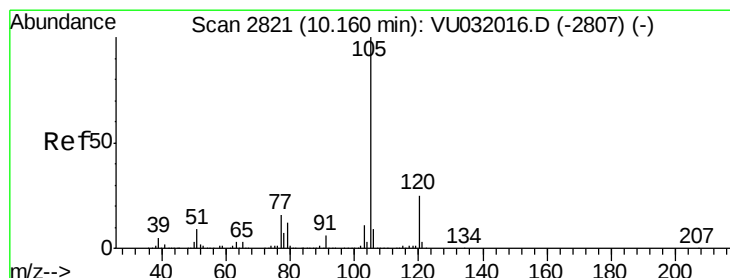
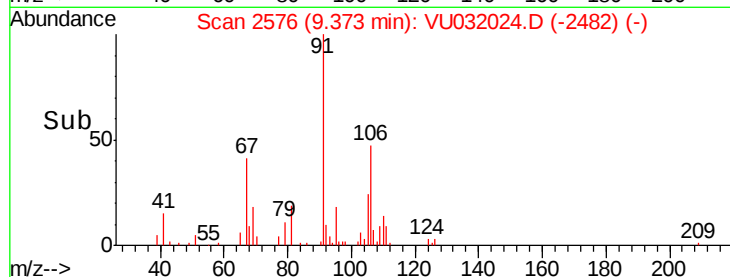
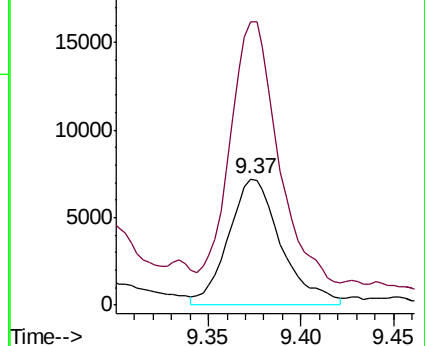
106 100

91 224.0 144.8 269.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 38.733 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

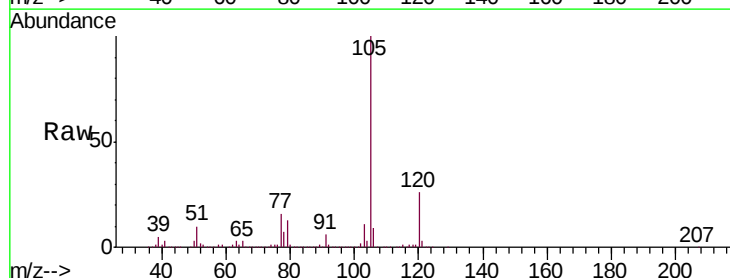
Tgt Ion:105 Resp: 1391665

Ion Ratio Lower Upper

105 100

120 26.2 20.5 30.7

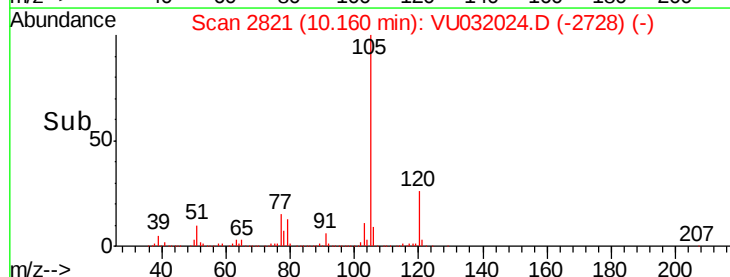
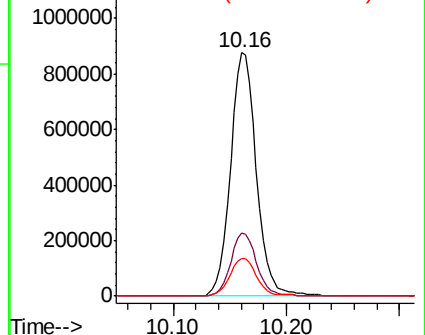
77 16.1 13.0 19.4

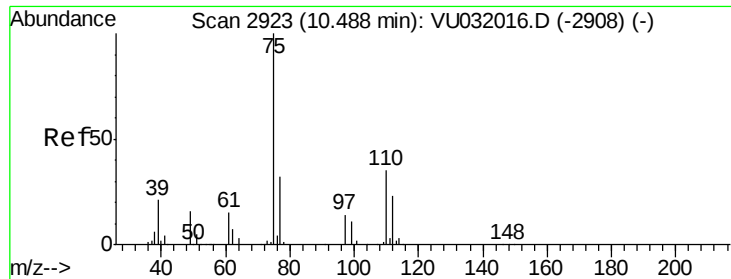


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#59

1,2,3-Trichloropropane

Concen: 5.022 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

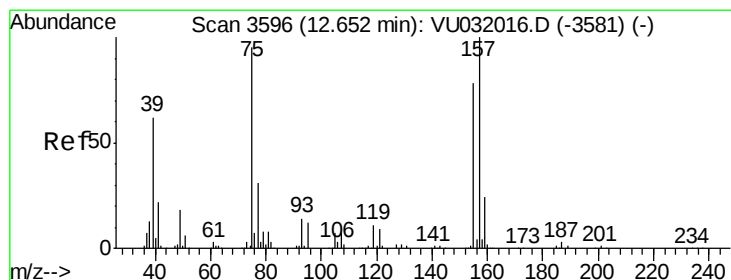
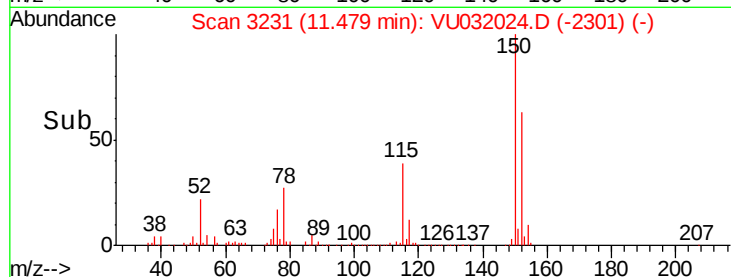
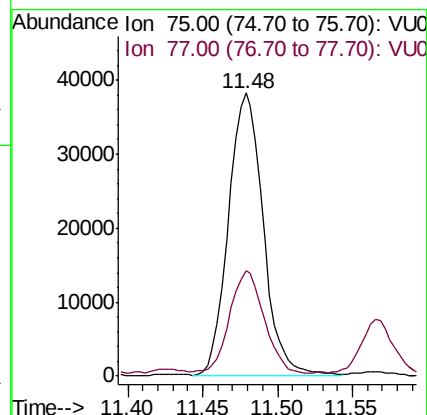
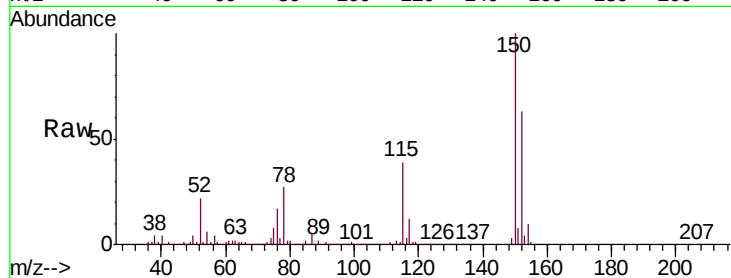
DB888DL

Tgt Ion: 75 Resp: 62347

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5



#66

1,2-Dibromo-3-chloropropane

Concen: 1.123 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.01 min

Lab File: VU032024.D

Acq: 15 May 2019 12:13

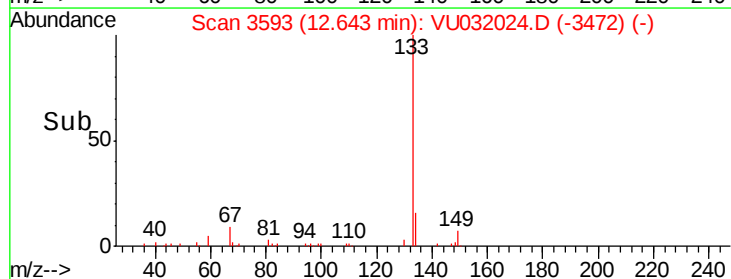
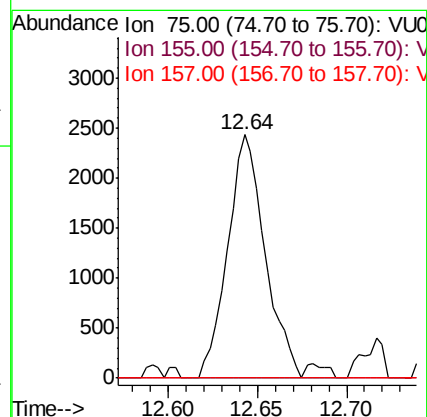
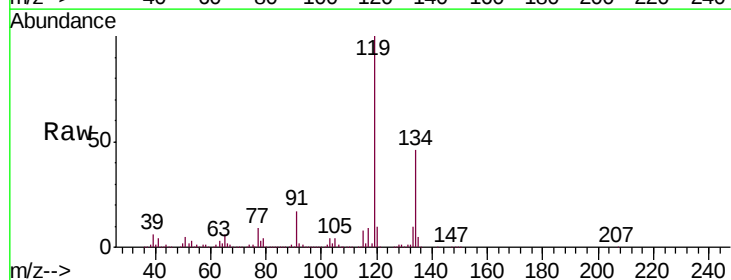
Tgt Ion: 75 Resp: 3653

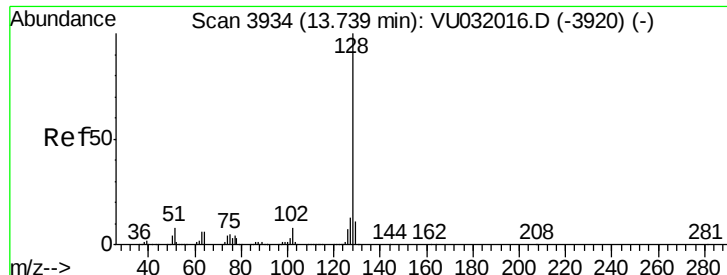
Ion Ratio Lower Upper

75 100

155 0.0 63.8 95.8#

157 0.0 80.2 120.2#





#69

Naphthalene

Concen: 2.580 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU032024.D

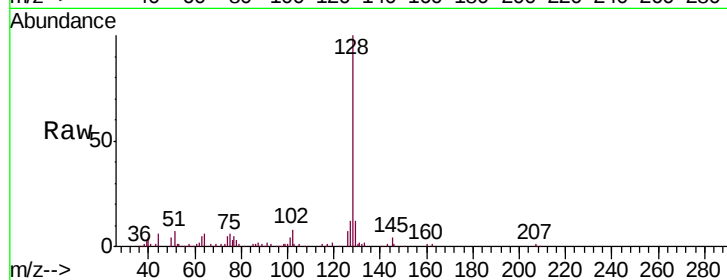
Acq: 15 May 2019 12:13

Instrument :

MSVOA_U

ClientSampleId :

DB888DL



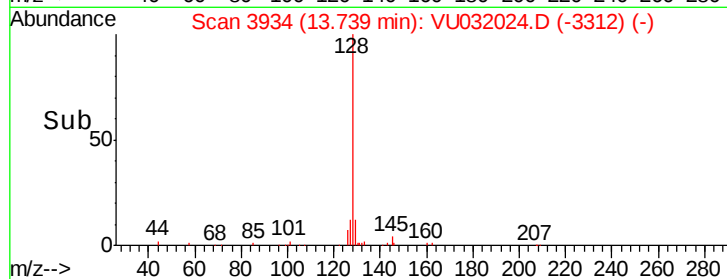
Tgt Ion:128 Resp: 75389

Ion Ratio Lower Upper

128 100

127 14.1 10.6 16.0

129 8.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

