

Data File : VU036572.D
Acq On : 28 Jan 2020 12:30
Operator : JC/MD
Sample : MDL06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMDadoda
2/14/2020 12:22:30 PM

Quant Time: Jan 29 06:23:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 29 06:14:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	149408	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	137956	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	64126	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	33206	4.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	33669	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.59	65	14786	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	4.69	46	82991	45.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	5.11	84	71111	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.75	65	38661	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.77	84	156831	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.73	67	50674	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.93	98	152355	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.21	79	20234	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.67	63	100213	53.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.72%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	41431	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
66) 1,2-Dichlorobenzene-d4	12.21	152	56294	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	2960	0.270 ug/L	99
3) Chloromethane	1.54	50	3224	0.279 ug/L	99
5) Vinyl chloride	1.62	62	3243	0.258 ug/L #	73
6) Bromomethane	1.87	94	2152	0.295 ug/L	92
8) Chloroethane	1.95	64	2265	0.292 ug/L	86
9) Trichlorofluoromethane	2.16	101	3737	0.256 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	2602	0.289 ug/L	97
12) 1,1-Dichloroethene	2.61	96	2621	0.293 ug/L #	1
13) Acetone	2.67	43	5850	4.335 ug/L	88
14) Carbon disulfide	2.82	76	7087	0.252 ug/L	97
15) Methyl Acetate	2.99	43	925m	0.268 ug/L	
16) Methylene chloride	3.08	84	7979	0.657 ug/L	94
17) Methyl tert-butyl Ether	3.41	73	5598	0.250 ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	2605	0.272 ug/L	86
19) 1,1-Dichloroethane	3.92	63	4262	0.255 ug/L	98
21) 2-Butanone	4.77	43	4991	2.287 ug/L	87
22) cis-1,2-Dichloroethene	4.71	96	2877	0.269 ug/L	84

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Quant Title : TRACE VOA SFAM1.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	1135	0.252	ug/L	90
25) Chloroform	5.14	83	4808	0.288	ug/L	87
27) 1,2-Dichloroethane	5.84	62	2769	0.265	ug/L #	72
29) 1,1,1-Trichloroethane	5.36	97	3581	0.260	ug/L	96
30) Cyclohexane	5.43	56	3949	0.251	ug/L	98
31) Carbon tetrachloride	5.56	117	2971	0.254	ug/L	99
33) Benzene	5.82	78	10325	0.266	ug/L	100
34) Trichloroethene	6.58	95	2850	0.278	ug/L	93
35) Methylcyclohexane	6.80	83	4679	0.266	ug/L	95
37) 1,2-Dichloropropane	6.83	63	2445	0.254	ug/L #	88
38) Bromodichloromethane	7.14	83	3069	0.261	ug/L #	99
39) cis-1,3-Dichloropropene	7.64	75	3712	0.250	ug/L	97
40) 4-Methyl-2-pentanone	7.83	43	14808	2.731	ug/L	99
42) Toluene	8.00	91	12592	0.294	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	3369	0.294	ug/L	96
45) 1,1,2-Trichloroethane	8.43	97	1769	0.248	ug/L	90
47) Tetrachloroethene	8.58	164	2277	0.272	ug/L	95
48) 2-Hexanone	8.72	43	13118	3.507	ug/L #	91
49) Dibromochloromethane	8.84	129	2004	0.246	ug/L	100
50) 1,2-Dibromoethane	8.96	107	1859	0.268	ug/L #	91
51) Chlorobenzene	9.47	112	7986	0.290	ug/L	93
52) Ethylbenzene	9.59	91	12594	0.270	ug/L	94
53) m,p-Xylene	9.72	106	4847	0.268	ug/L	90
54) o-Xylene	10.13	106	4762	0.269	ug/L	96
55) Styrene	10.14	104	8274	0.284	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.80	83	2426	0.271	ug/L #	95
59) Bromoform	10.32	173	1094	0.254	ug/L #	92
60) Isopropylbenzene	10.51	105	12421	0.287	ug/L	97
61) 1,2,3-Trichloropropane	10.85	75	1814	0.304	ug/L #	84
62) 1,3,5-Trimethylbenzene	11.11	105	10291	0.277	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9646	0.262	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	5421	0.268	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	5618	0.278	ug/L	98
67) 1,2-Dichlorobenzene	12.23	146	5450	0.282	ug/L	89
68) 1,2-Dibromo-3-chloropropan	13.02	75	255	0.202	ug/L #	65
69) 1,3,5-Trichlorobenzene	13.24	180	3725	0.240	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	1613	0.143	ug/L	92
71) Naphthalene	14.10	128	1458	0.091	ug/L #	80
72) 1,2,3-Trichlorobenzene	14.35	180	1609	0.158	ug/L	98

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

Data File : VU036572.D

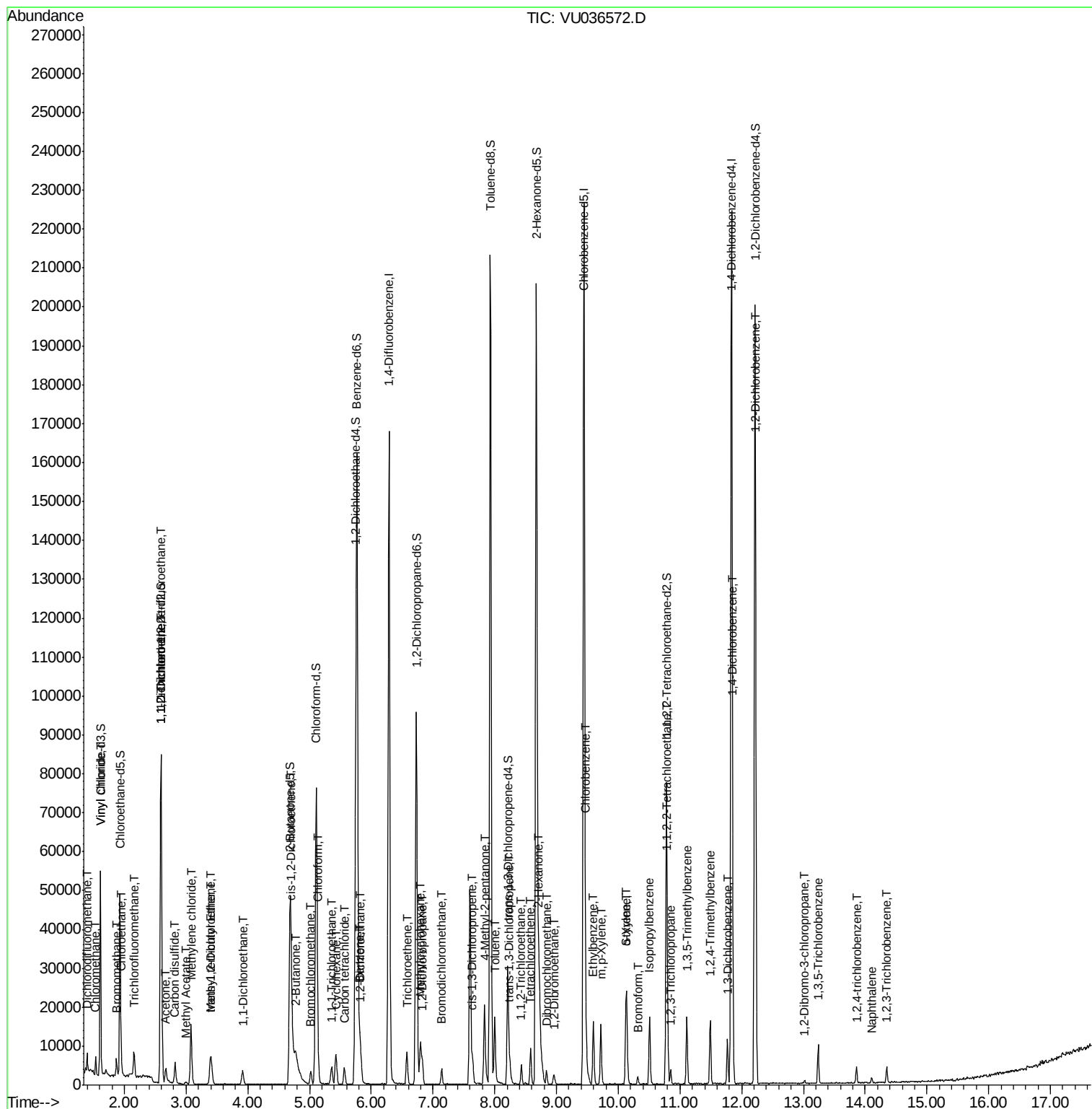
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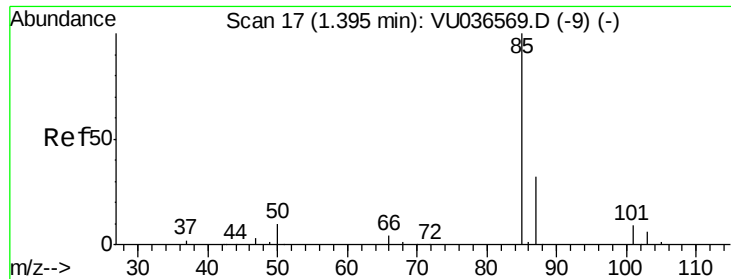
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#2

Dichlorodifluoromethane

Concen: 0.270 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 85 Resp: 2960

Ion Ratio Lower Upper

85 100

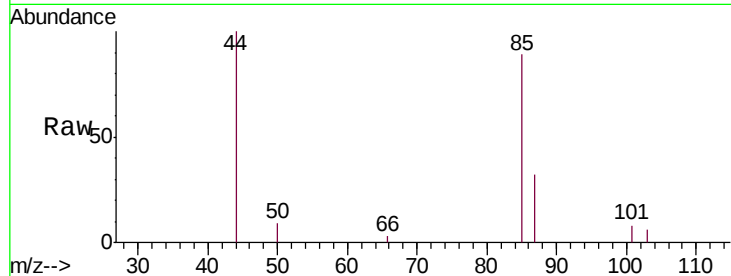
87 31.8 26.0 39.0

Manual Integrations

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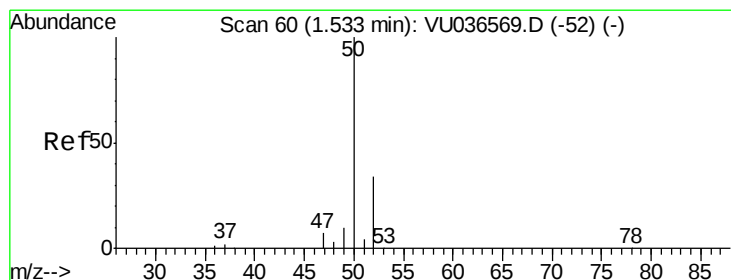
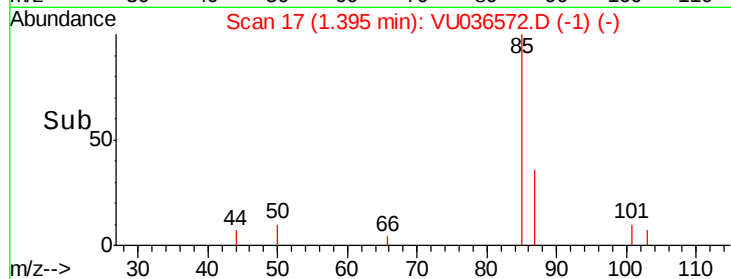
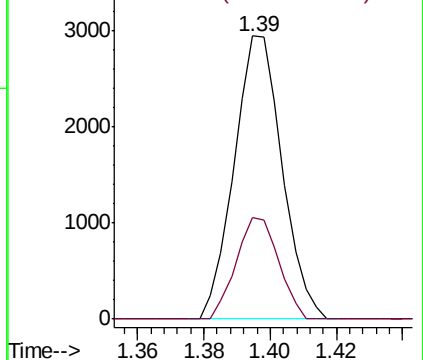
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Abundance Ion 85.00 (84.70 to 85.70): VU036569.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036569.D (-9) (-)



#3

Chloromethane

Concen: 0.279 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036572.D

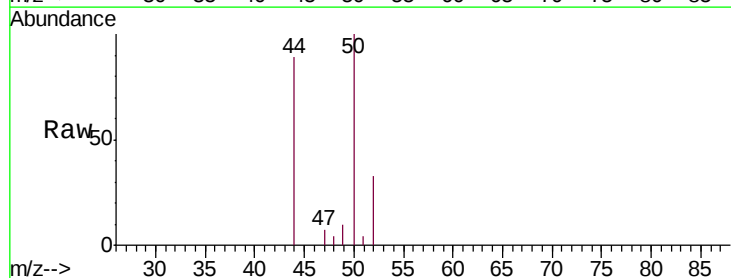
Acq: 28 Jan 2020 12:30

Tgt Ion: 50 Resp: 3224

Ion Ratio Lower Upper

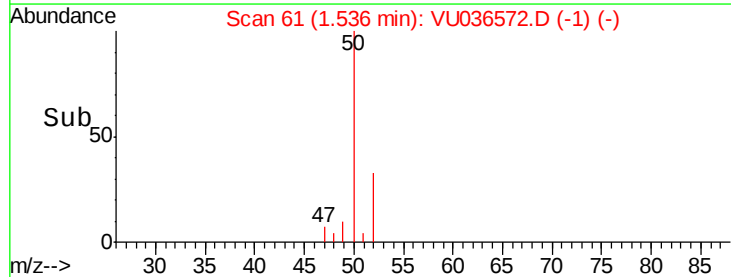
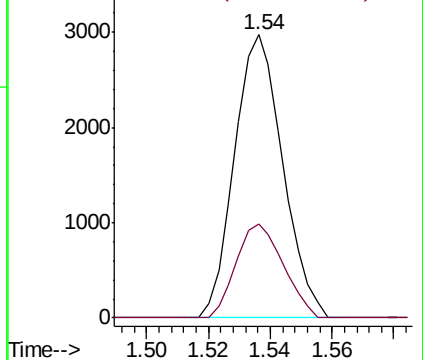
50 100

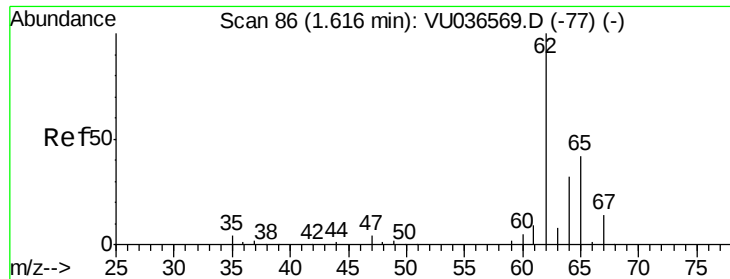
52 33.3 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU036569.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036569.D (-52) (-)





#5

Vinyl chloride

Concen: 0.258 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 62 Resp: 3243

Ion Ratio Lower Upper

62 100

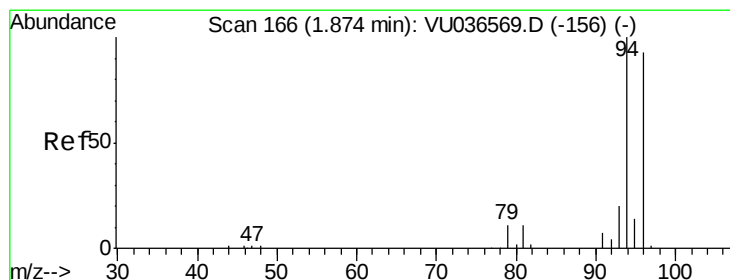
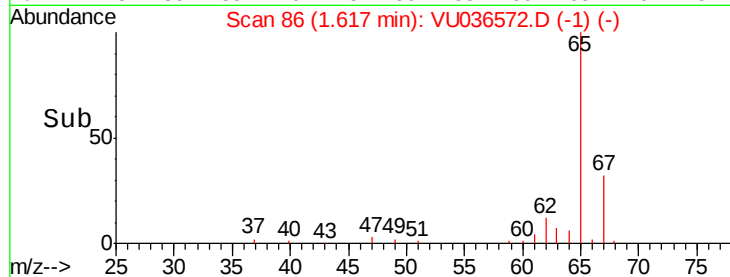
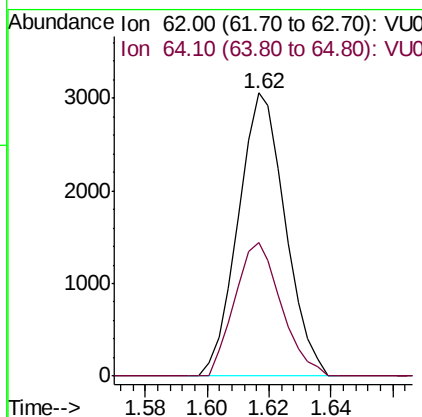
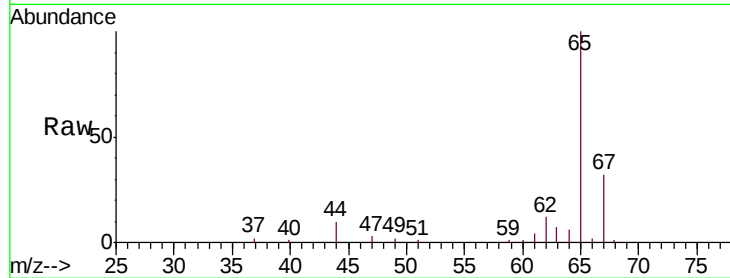
64 47.4 22.6 42.0#

Manual Integrations

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#6

Bromomethane

Concen: 0.295 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036572.D

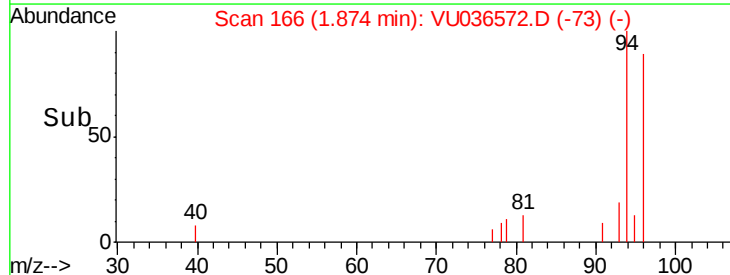
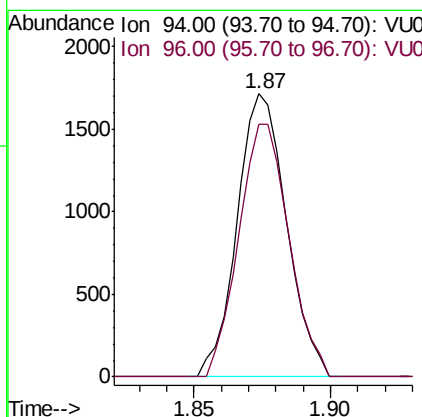
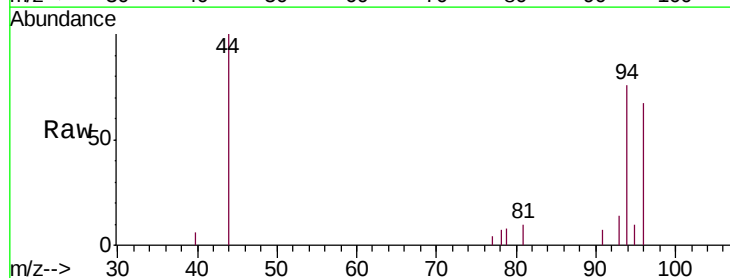
Acq: 28 Jan 2020 12:30

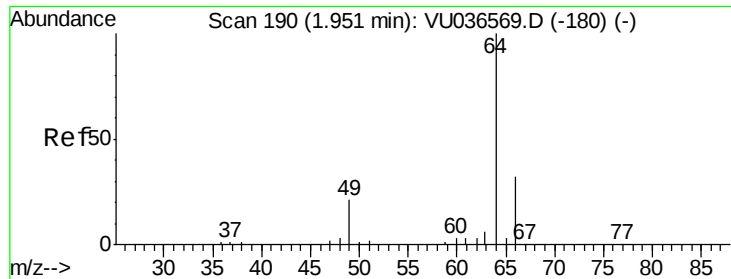
Tgt Ion: 94 Resp: 2152

Ion Ratio Lower Upper

94 100

96 89.2 67.6 125.6





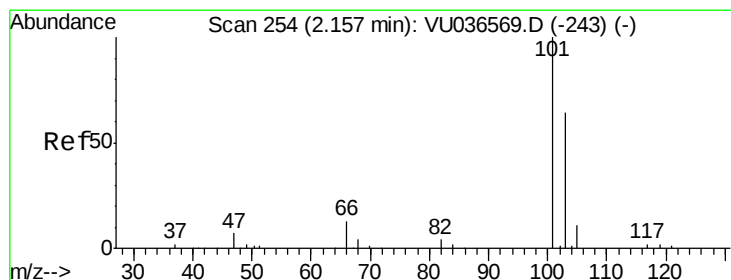
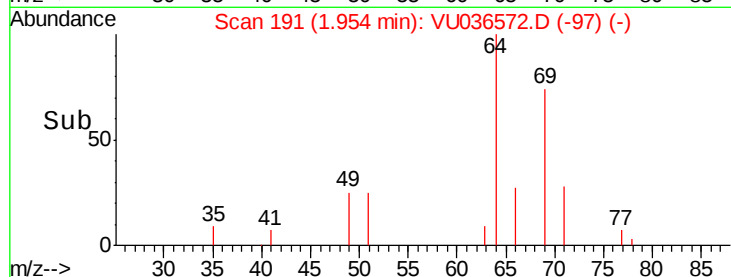
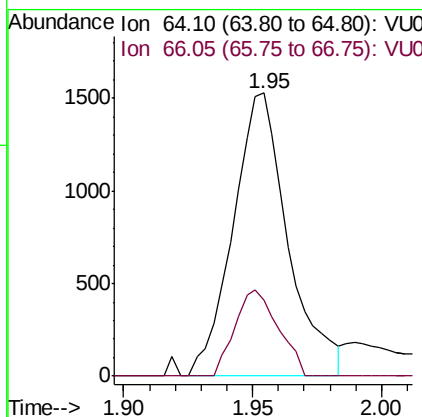
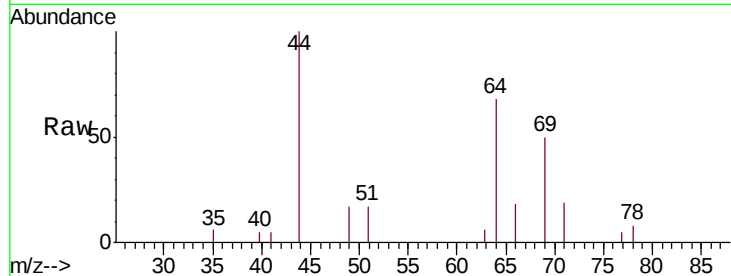
#8
Chloroethane
Concen: 0.292 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 64 Resp: 2265
Ion Ratio Lower Upper
64 100
66 26.7 24.1 44.8

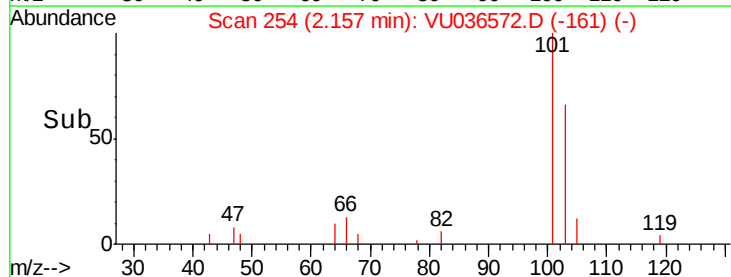
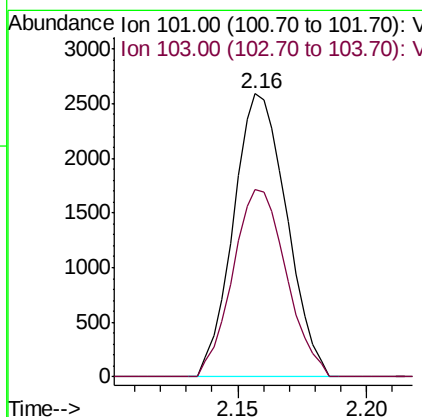
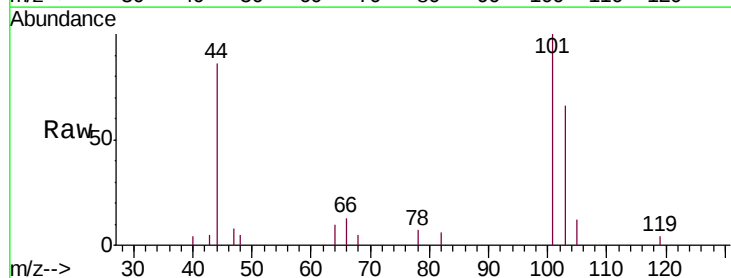
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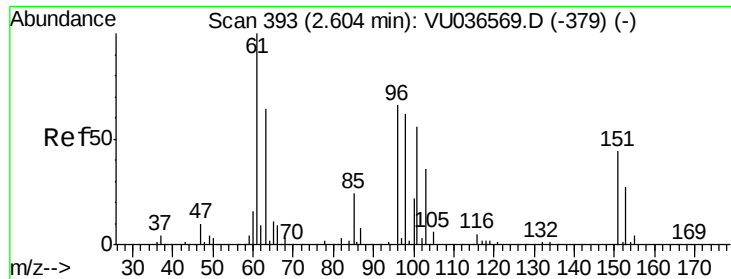
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#9
Trichlorofluoromethane
Concen: 0.256 ug/L
RT: 2.16 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 101 Resp: 3737
Ion Ratio Lower Upper
101 100
103 66.4 52.5 78.7





#10

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

Concen: 0.289 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

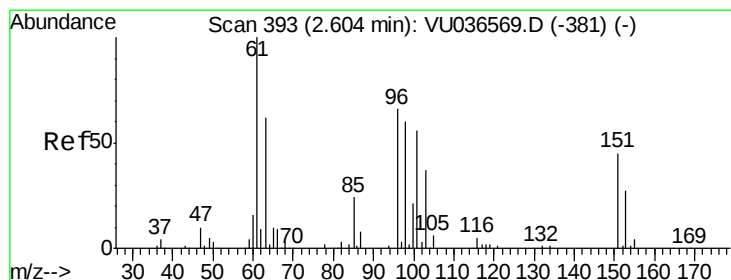
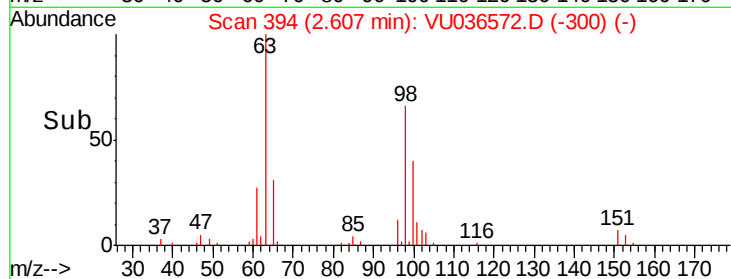
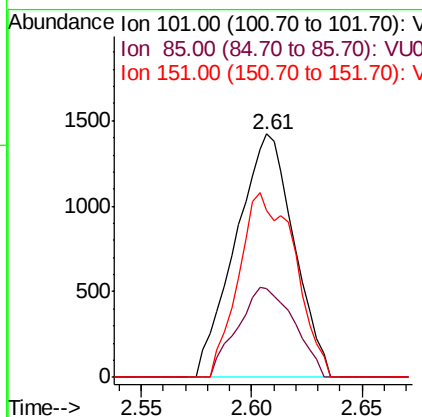
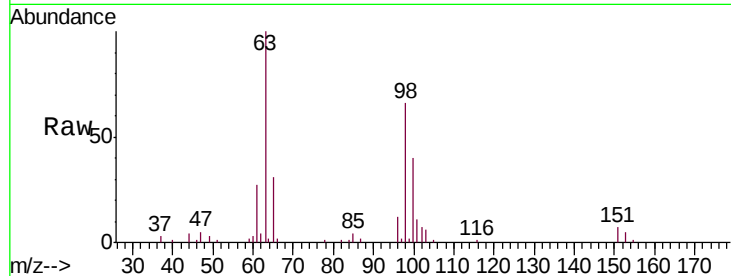
ClientSampled :

MDL06

Tgt Ion:	101	Resp:	2602
Ion Ratio	Lower	Upper	
101	100		
85	35.8	32.2	48.4
151	73.4	59.2	88.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.293 ug/L

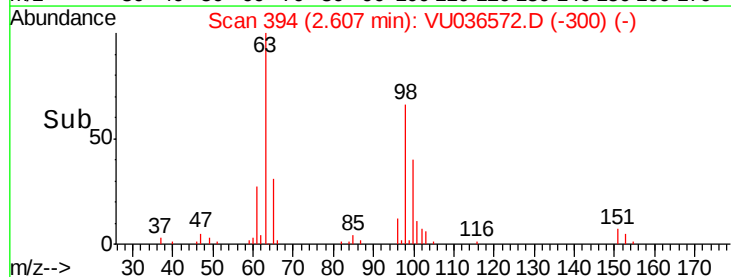
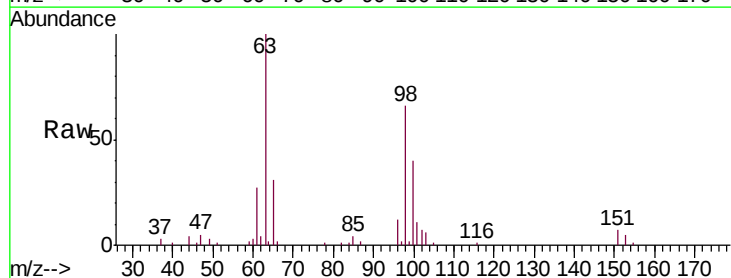
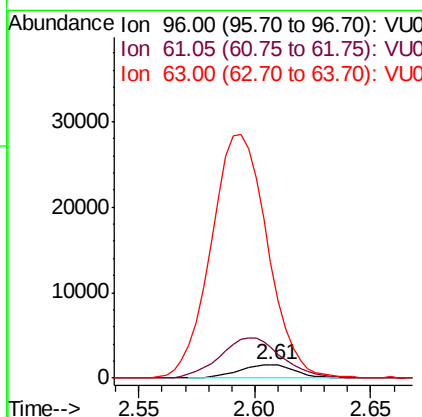
RT: 2.61 min Scan# 394

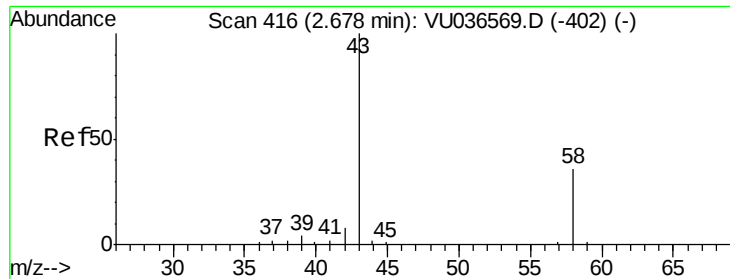
Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion:	96	Resp:	2621
Ion Ratio	Lower	Upper	
96	100		
61	229.7	108.2	201.0#
63	861.7	72.0	133.8#





#13

Acetone

Concen: 4.335 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 43 Resp: 5850

Ion Ratio Lower Upper

43 100

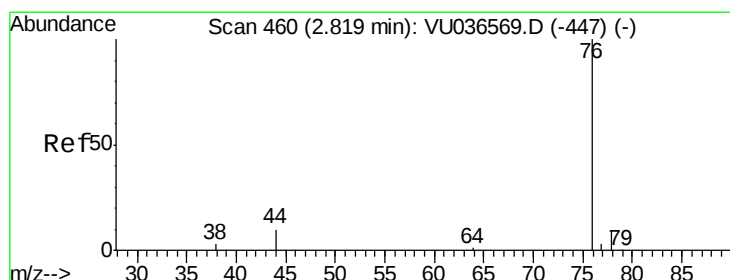
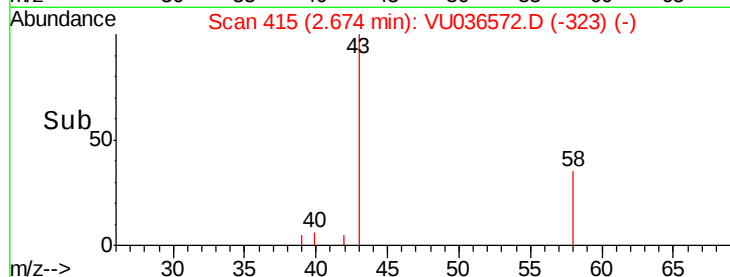
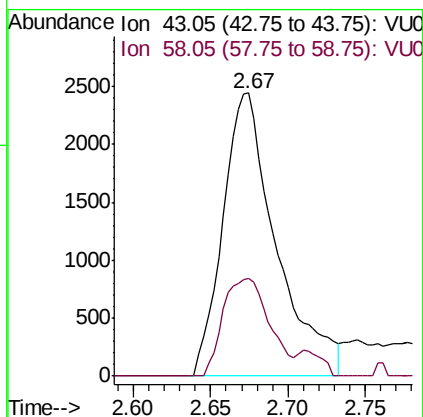
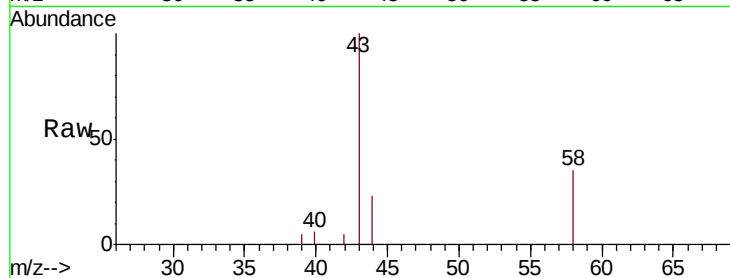
58 30.1 0.0 74.0

Manual Integrations

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#14

Carbon disulfide

Concen: 0.252 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036572.D

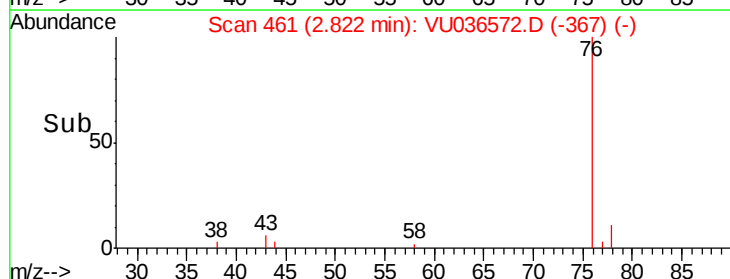
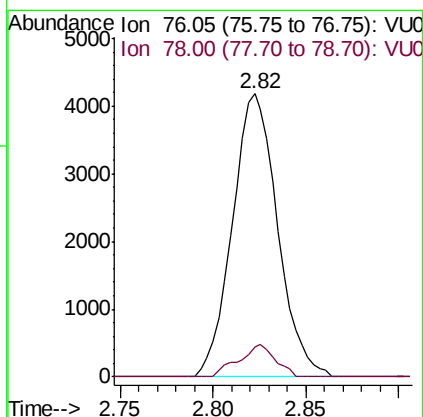
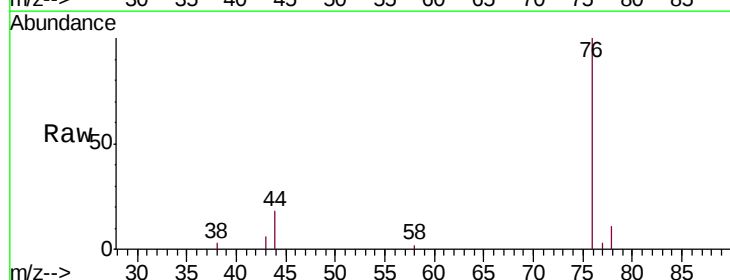
Acq: 28 Jan 2020 12:30

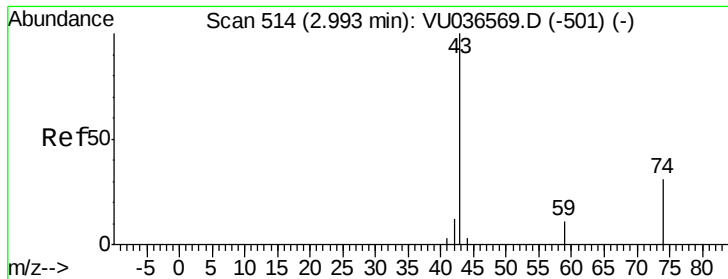
Tgt Ion: 76 Resp: 7087

Ion Ratio Lower Upper

76 100

78 10.5 7.5 11.3





#15

Methyl Acetate

Concen: 0.268 ug/L m

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

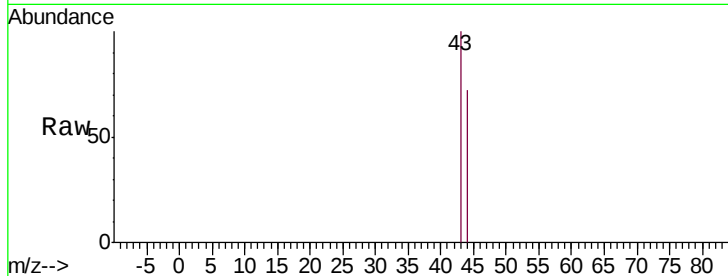
74 0.0 22.7 34.1#

Manual Integrations

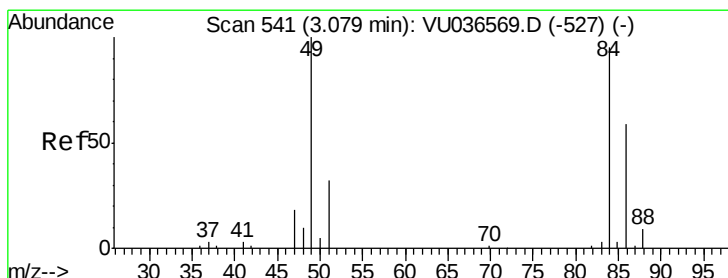
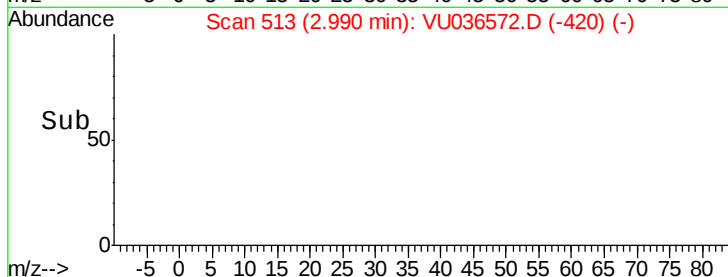
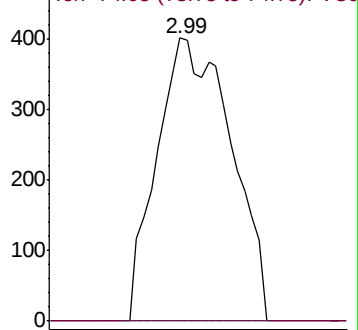
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Abundance Ion 43.05 (42.75 to 43.75): VU036569.D (-501) (-)



#16

Methylene chloride

Concen: 0.657 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

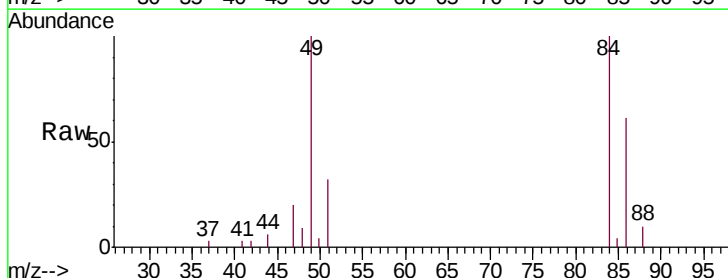
Tgt Ion: 84 Resp: 7979

Ion Ratio Lower Upper

84 100

86 60.9 44.8 83.2

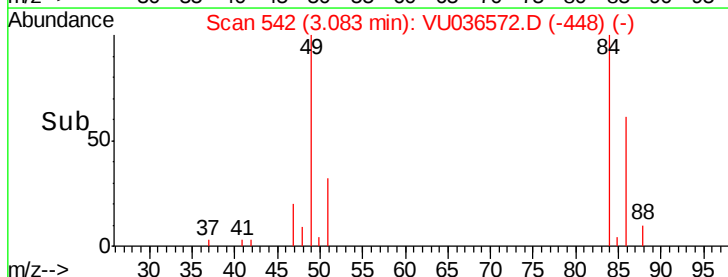
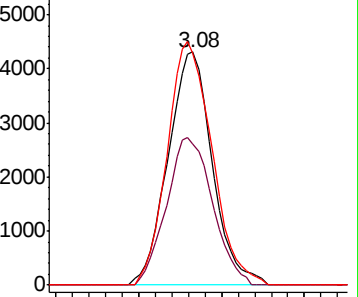
49 99.8 74.8 139.0

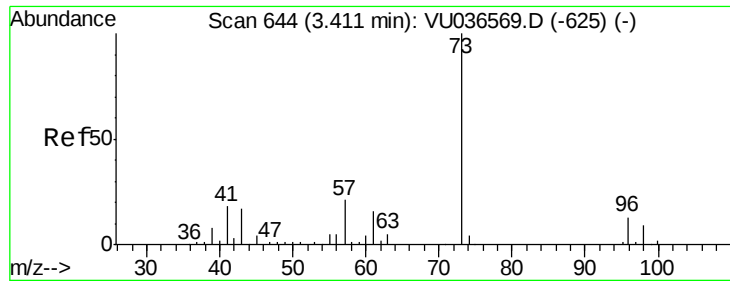


Abundance Ion 84.05 (83.75 to 84.75): VU036569.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU036569.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU036569.D (-527) (-)





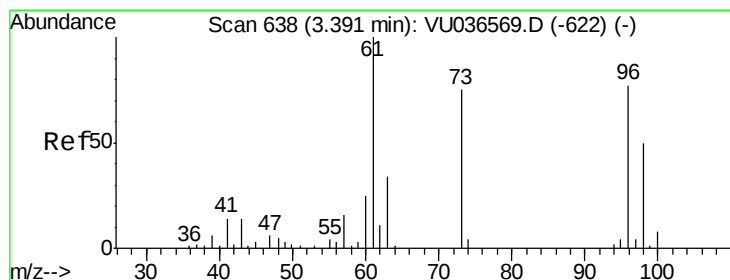
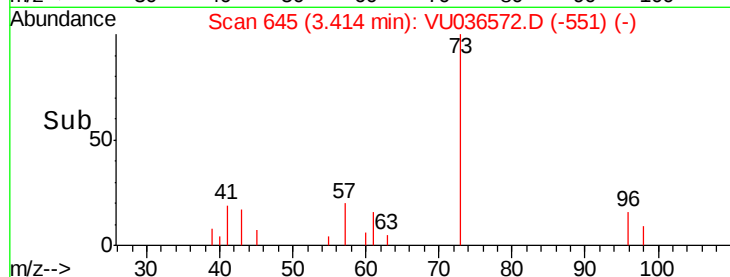
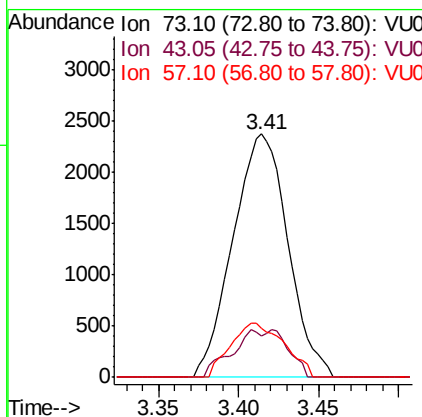
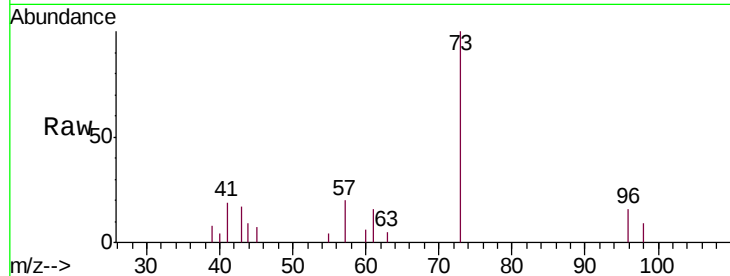
#17
Methyl tert-butyl Ether
Concen: 0.250 ug/L
RT: 3.41 min Scan# 645
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion: 73 Resp: 5598
Ion Ratio Lower Upper
73 100
43 10.7 14.6 21.8#
57 21.7 17.0 25.6

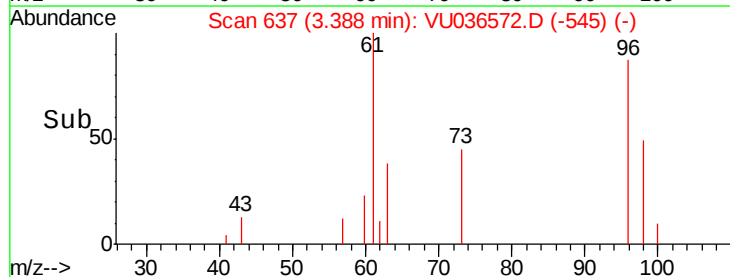
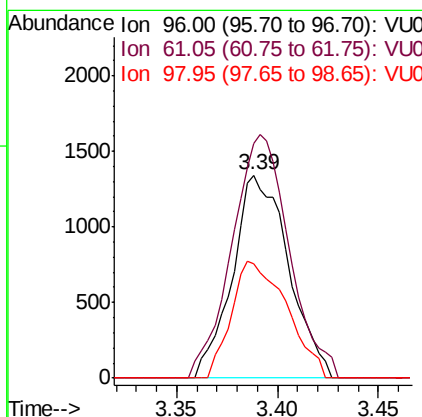
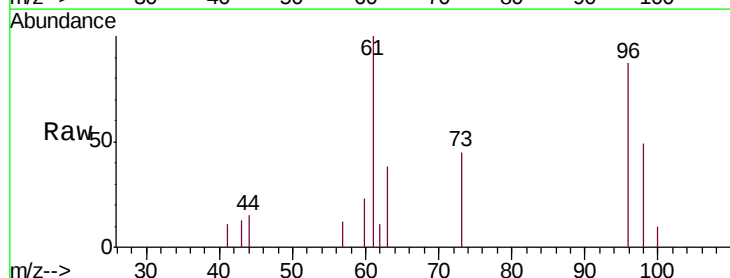
Manual Integrations
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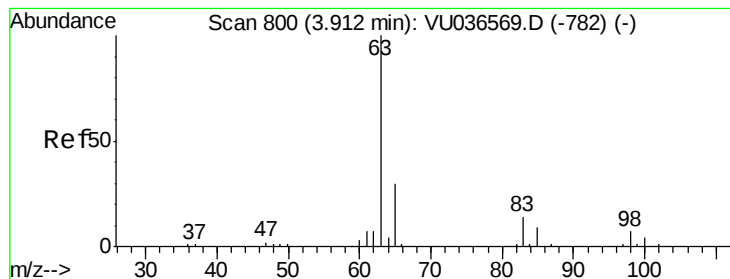
MMDadoda
2/14/2020 12:22:30 PM



#18
trans-1,2-Dichloroethene
Concen: 0.272 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 96 Resp: 2605
Ion Ratio Lower Upper
96 100
61 115.4 93.1 172.9
98 56.3 45.5 84.5





#19

1,1-Dichloroethane

Concen: 0.255 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

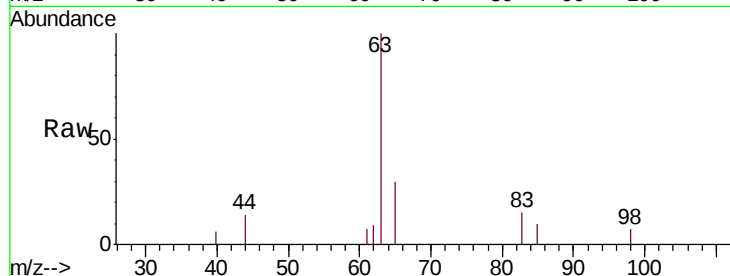
ClientSampleId :

MDL06

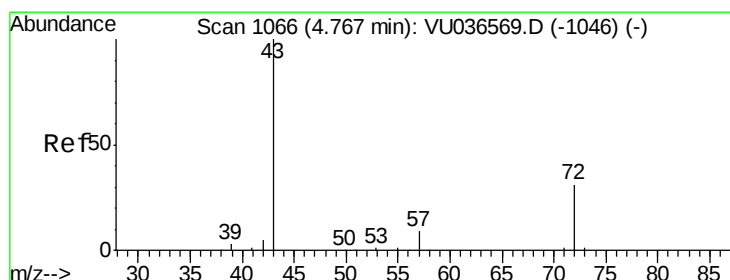
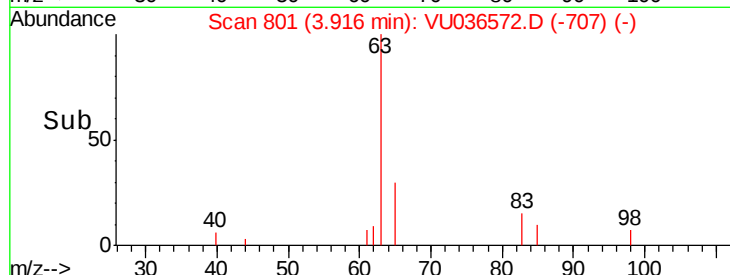
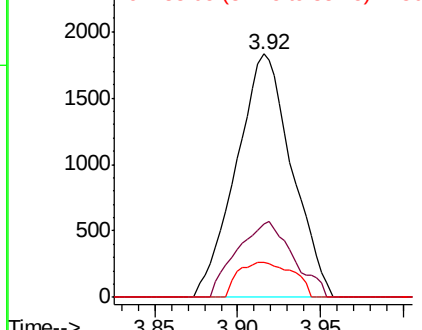
Tgt Ion:	63	Resp:	4262
Ion	Ratio	Lower	Upper
63	100		
65	30.2	21.8	40.6
83	14.5	9.8	18.2

Manual Integrations
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Abundance Ion 63.10 (62.80 to 63.80): VU036572.D (-707) (-)



#21

2-Butanone

Concen: 2.287 ug/L

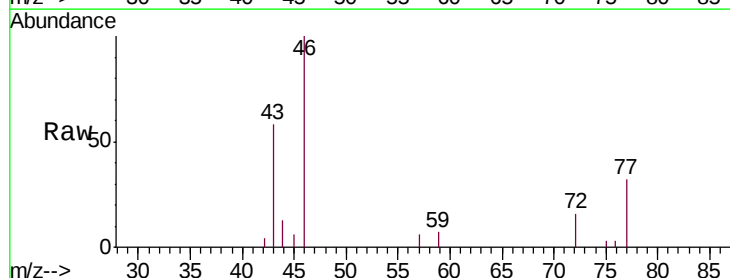
RT: 4.77 min Scan# 1067

Delta R.T. 0.00 min

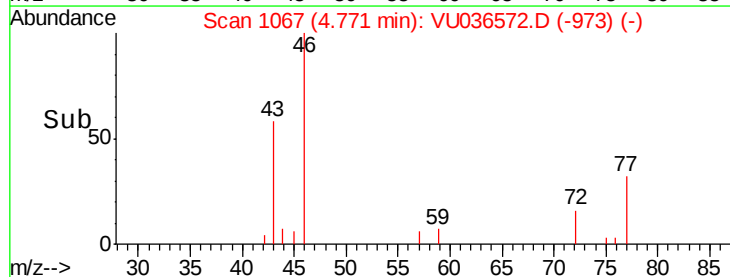
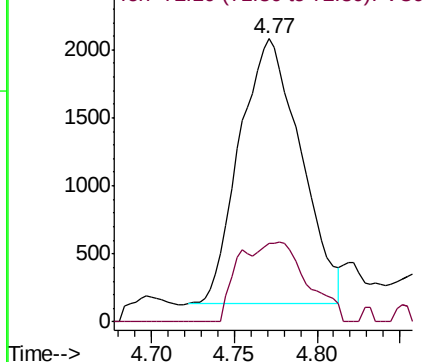
Lab File: VU036572.D

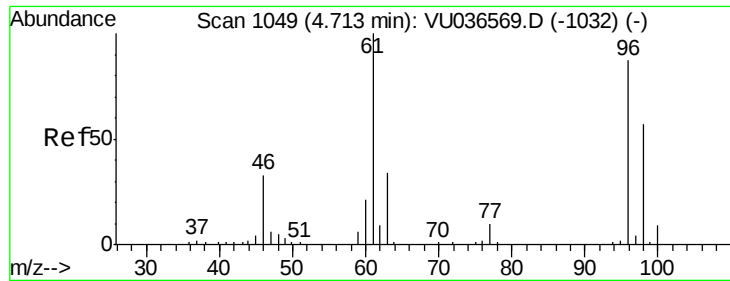
Acq: 28 Jan 2020 12:30

Tgt Ion:	43	Resp:	4991
Ion	Ratio	Lower	Upper
43	100		
72	23.8	15.4	46.4



Abundance Ion 43.05 (42.75 to 43.75): VU036572.D (-973) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.269 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

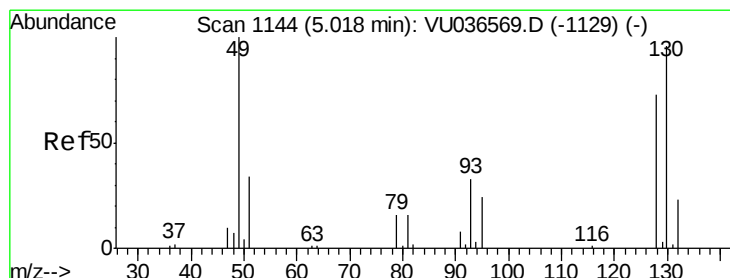
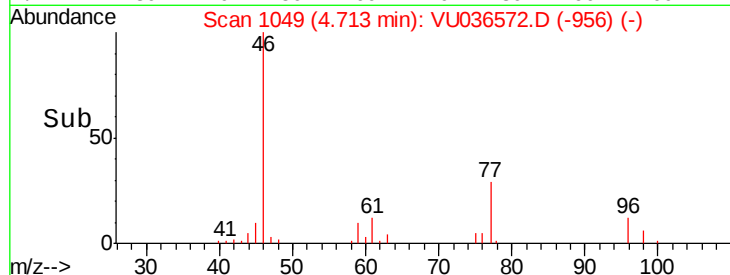
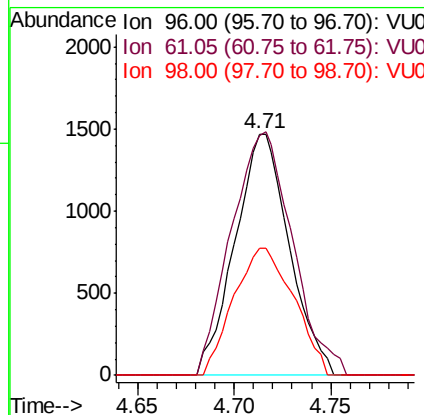
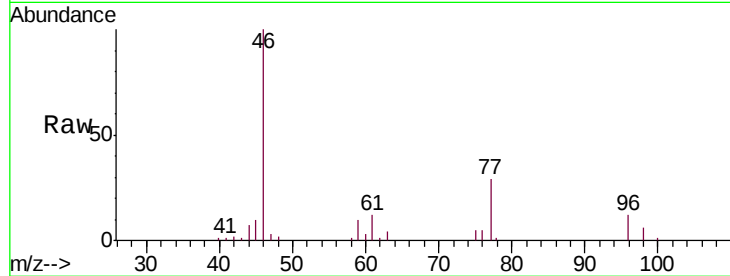
ClientSampleId :

MDL06

Tgt Ion:	96	Resp:	2877
Ion	Ratio	Lower	Upper
96	100		
61	99.5	83.0	154.1
98	52.9	43.8	81.3

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#23

Bromochloromethane

Concen: 0.252 ug/L

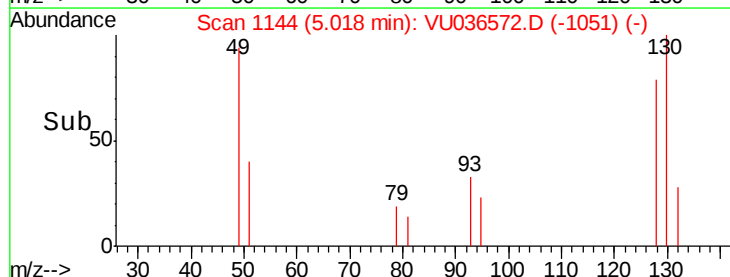
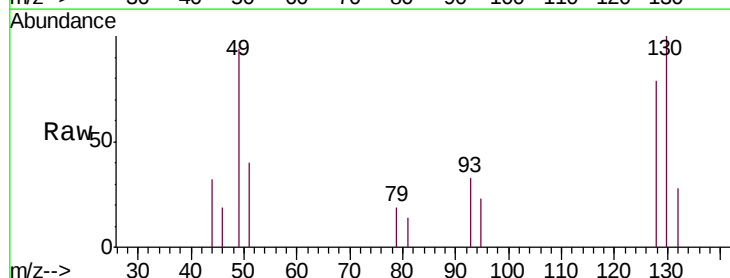
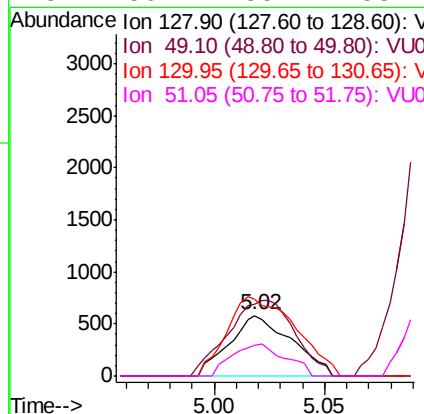
RT: 5.02 min Scan# 1144

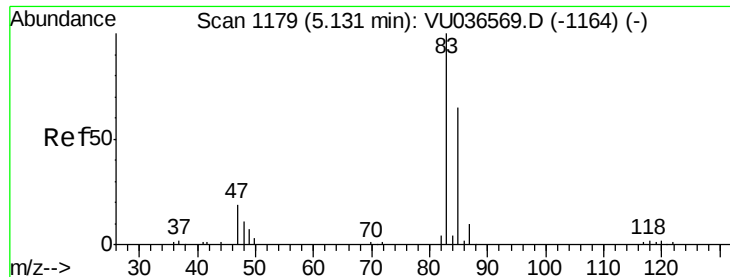
Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion:	128	Resp:	1135
Ion	Ratio	Lower	Upper
128	100		
49	118.4	98.6	183.2
130	126.1	89.1	165.5
51	50.4	35.4	53.2





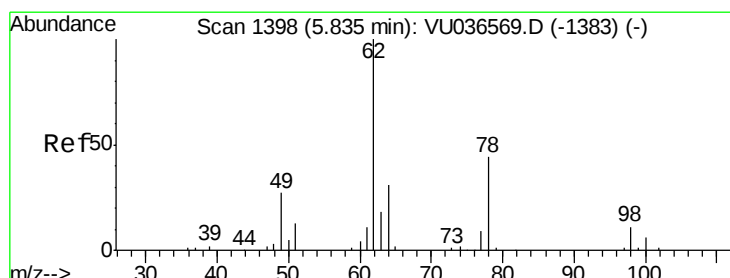
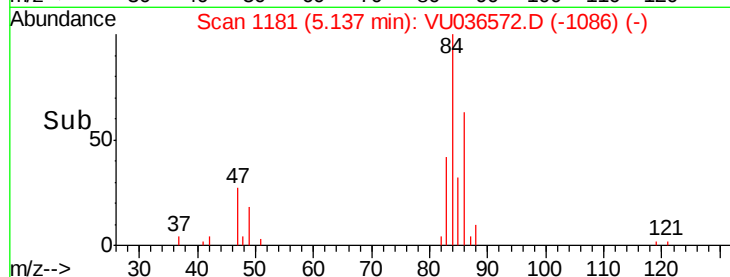
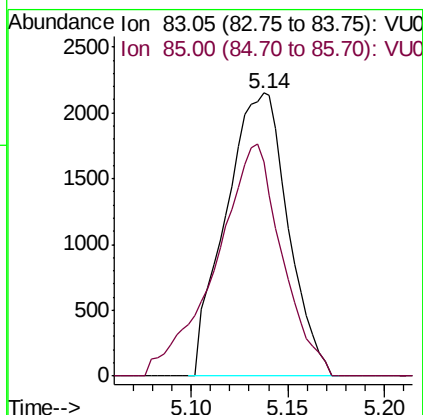
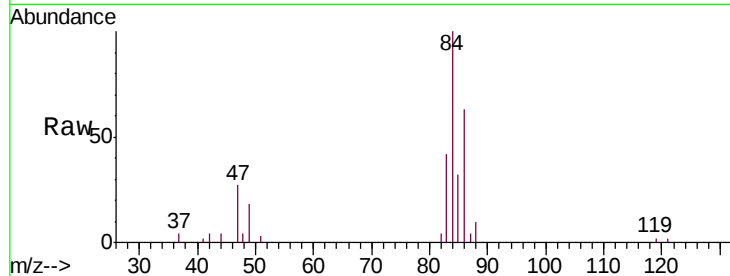
#25
Chloroform
Concen: 0.288 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tgt Ion: 83 Resp: 4808
Ion Ratio Lower Upper
83 100
85 75.6 45.7 84.9

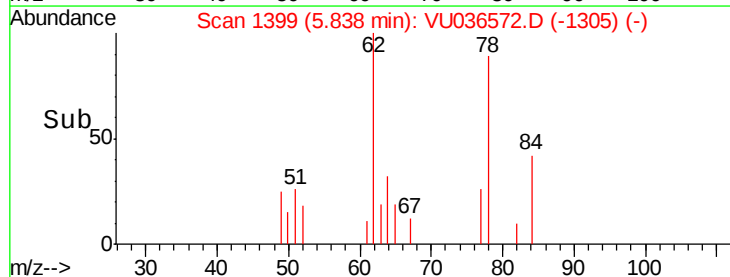
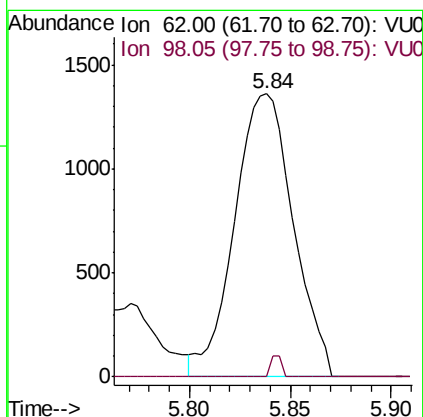
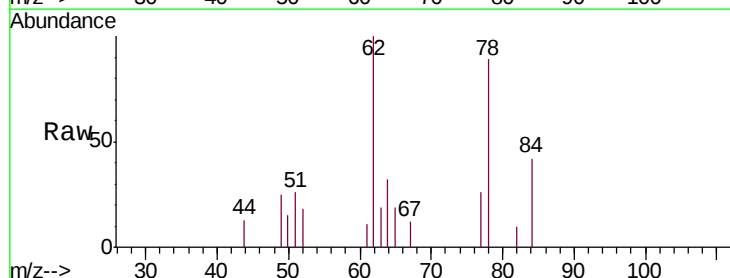
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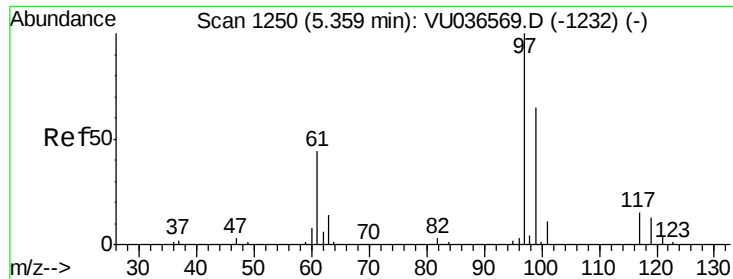
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.265 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion: 62 Resp: 2769
Ion Ratio Lower Upper
62 100
98 0.0 8.5 12.7#





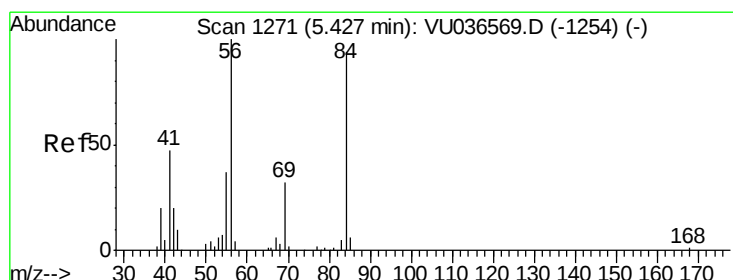
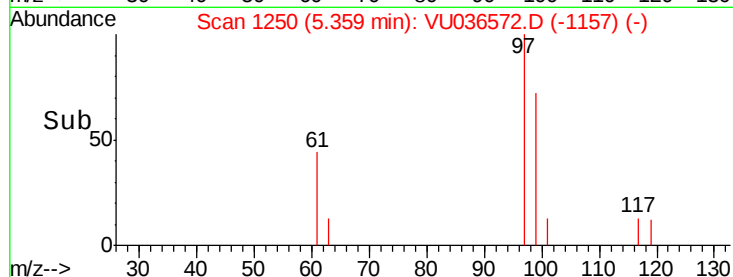
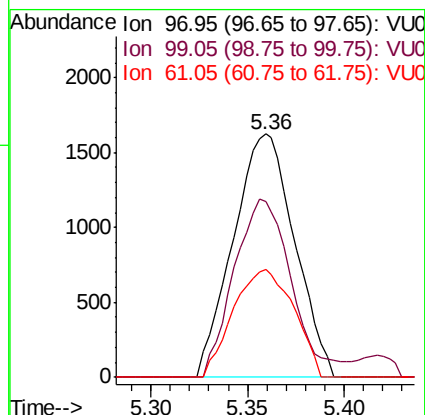
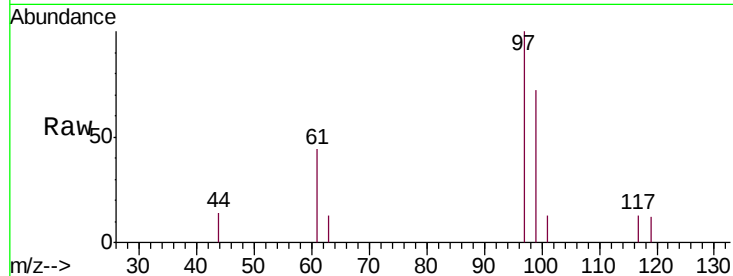
#29
 1,1,1-Trichloroethane
 Concen: 0.260 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion: 97 Resp: 3581
 Ion Ratio Lower Upper
 97 100
 99 69.5 52.0 78.0
 61 43.8 35.6 53.4

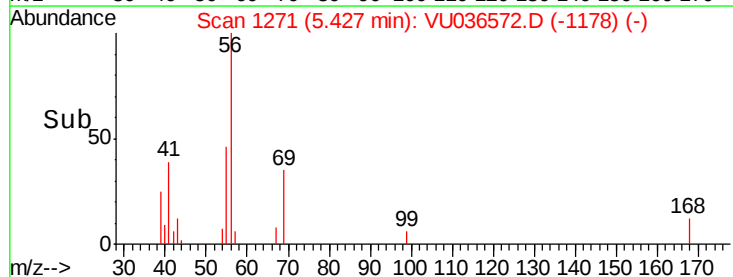
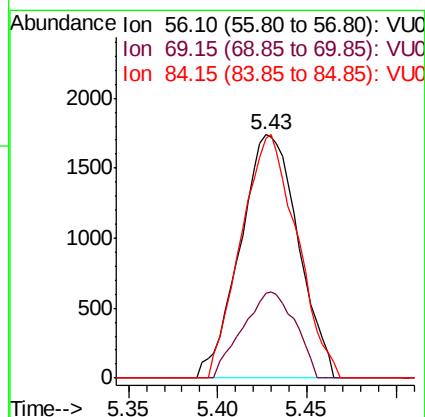
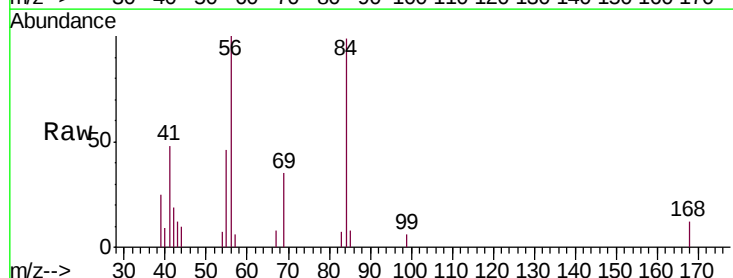
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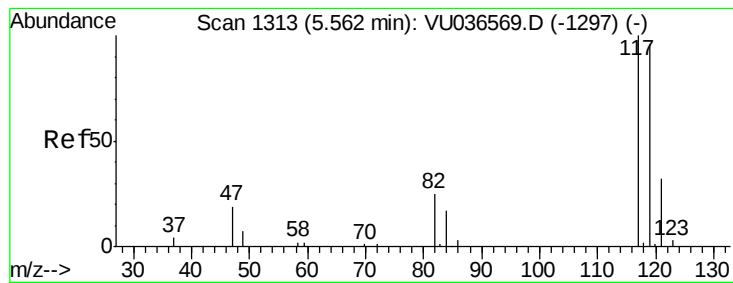
MMDadoda
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#30
 Cyclohexane
 Concen: 0.251 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion: 56 Resp: 3949
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.7 38.5
 84 96.4 75.3 112.9





#31

Carbon tetrachloride

Concen: 0.254 ug/L

RT: 5.56 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion:117 Resp: 2971

Ion Ratio Lower Upper

117 100

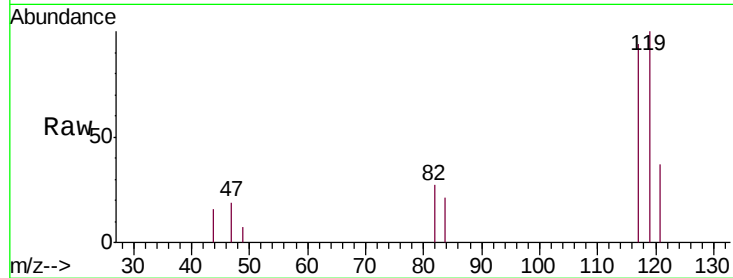
119 94.5 76.3 114.5

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

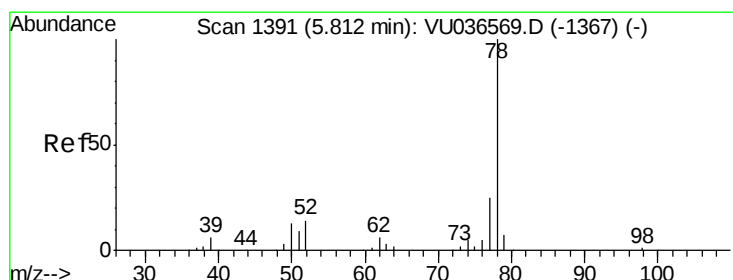
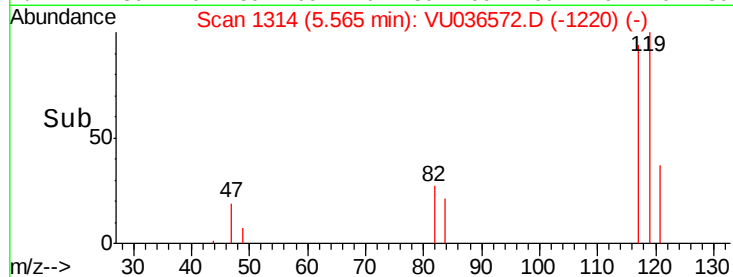
1500

1000

500

0

Time-->



#33

Benzene

Concen: 0.266 ug/L

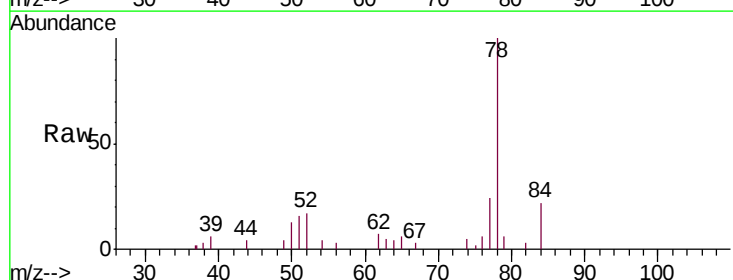
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion: 78 Resp: 10325



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

5000

4000

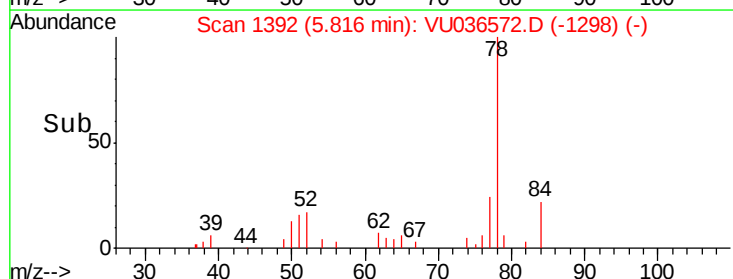
3000

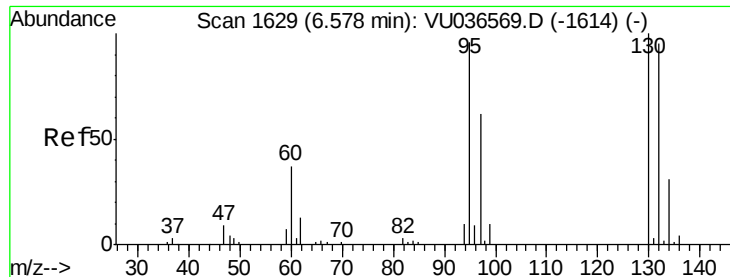
2000

1000

0

Time-->





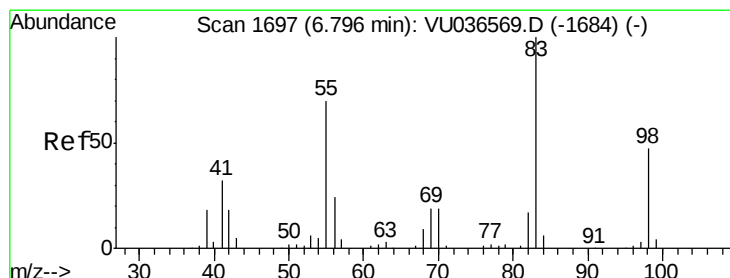
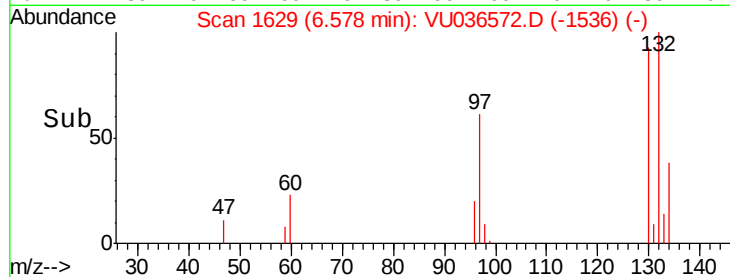
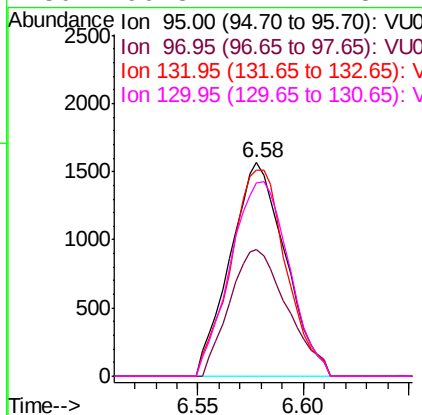
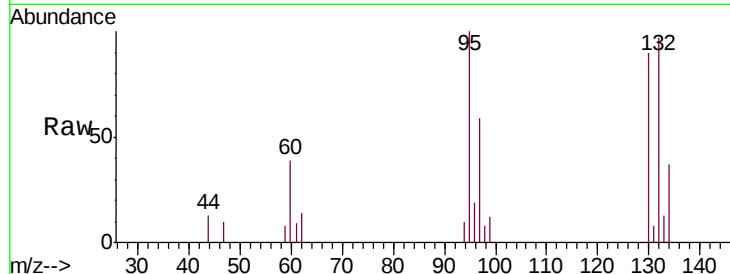
#34
 Trichloroethene
 Concen: 0.278 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
95	100		
97	59.3	45.6	84.8
132	96.7	67.7	125.7
130	90.3	72.2	134.2

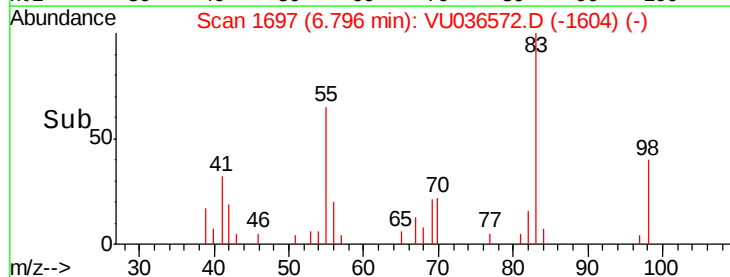
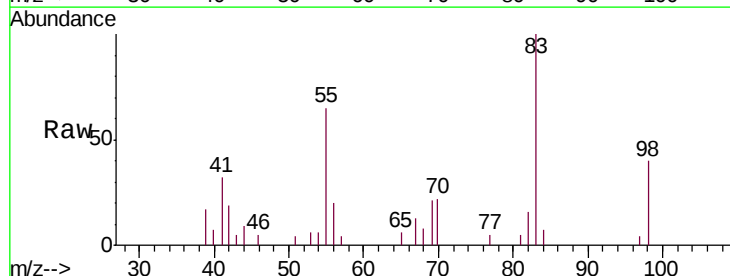
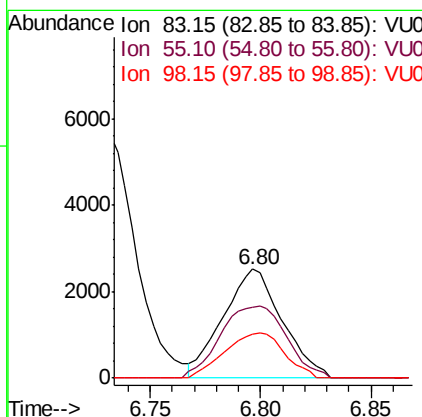
Manual Integrations
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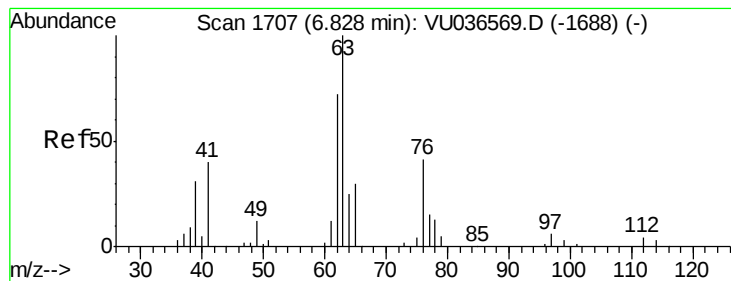
MMDadoda
 2/14/2020 12:22:30 PM



#35
 Methylcyclohexane
 Concen: 0.266 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.0	56.9	85.3
98	41.5	36.9	55.3





#37

1,2-Dichloropropane

Concen: 0.254 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 63 Resp: 2445

Ion Ratio Lower Upper

63 100

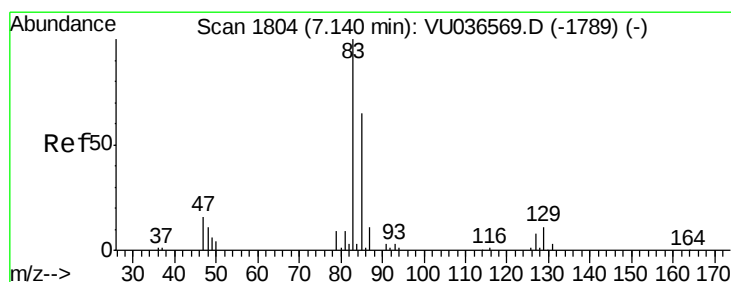
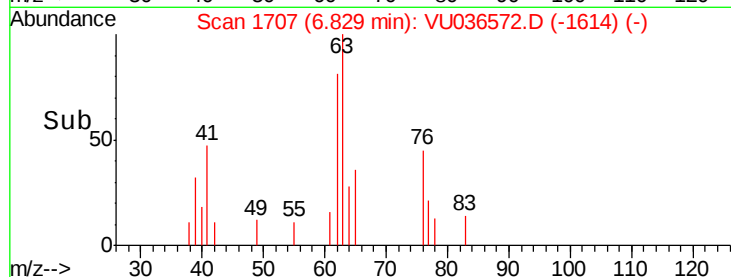
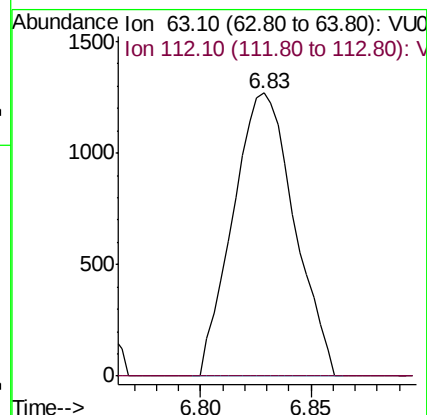
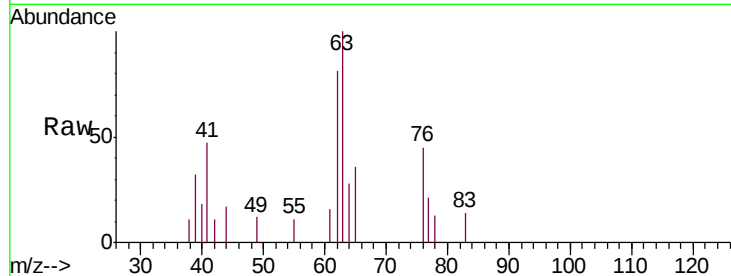
112 0.0 3.3 4.9#

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2/14/2020 12:22:30 PM



#38

Bromodichloromethane

Concen: 0.261 ug/L

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

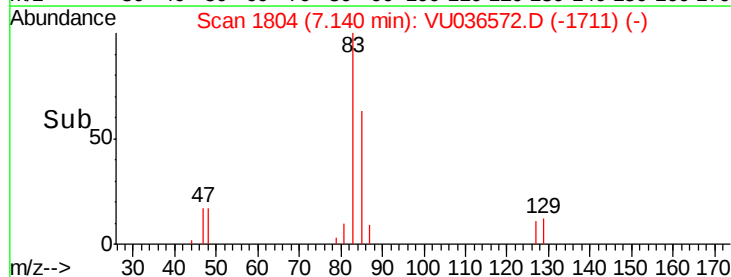
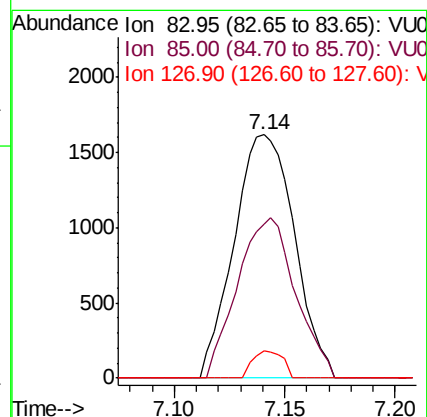
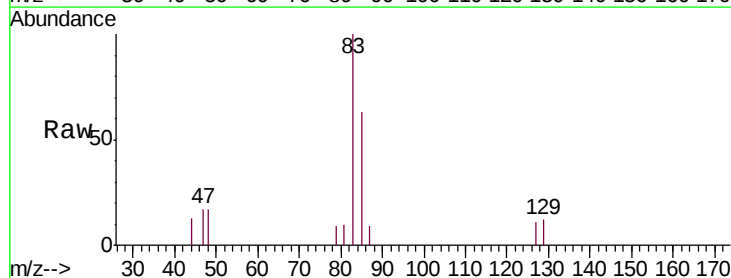
Tgt Ion: 83 Resp: 3069

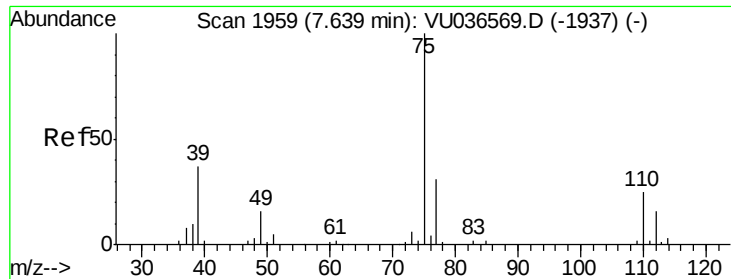
Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

127 11.2 7.2 10.8#





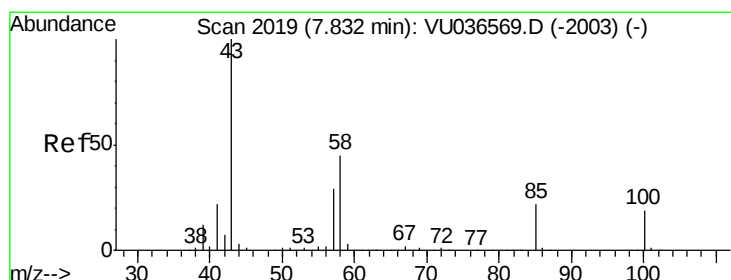
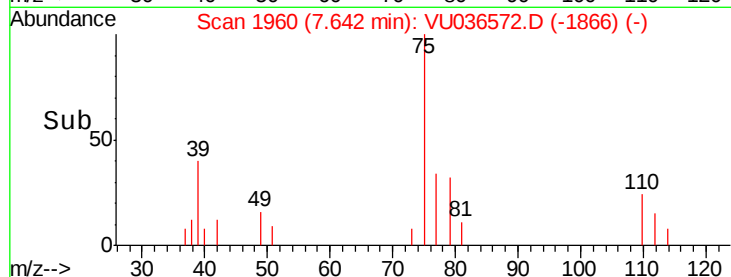
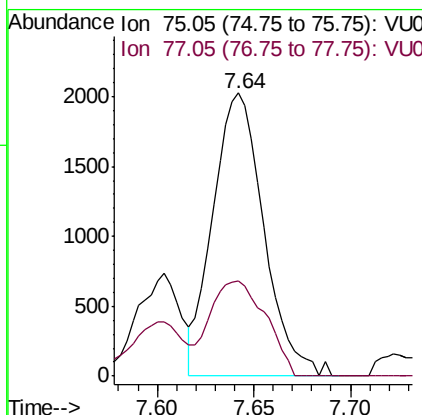
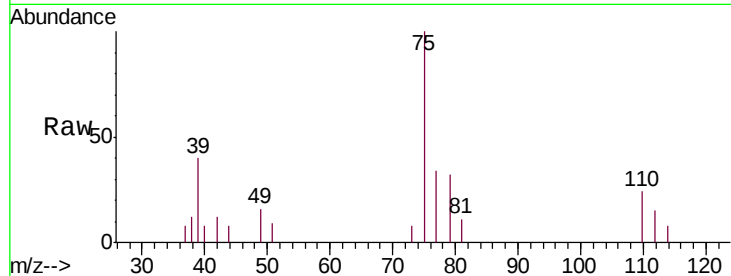
#39
 cis-1,3-Dichloropropene
 Concen: 0.250 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tgt Ion: 75 Resp: 3712
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.3 41.5

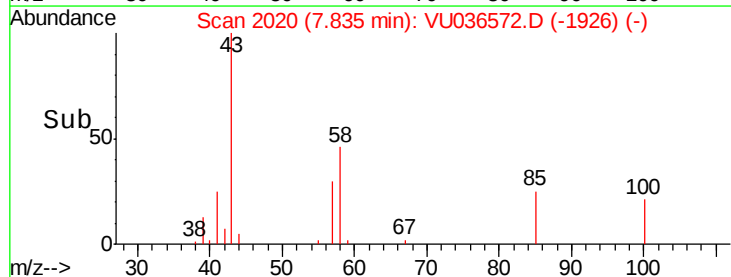
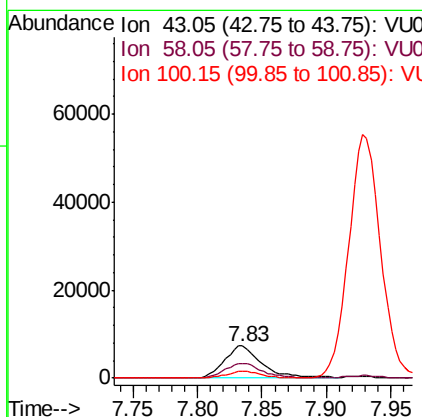
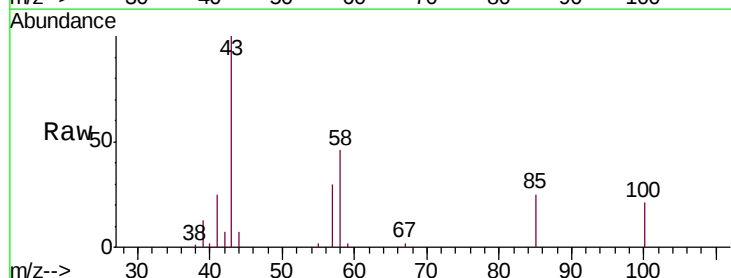
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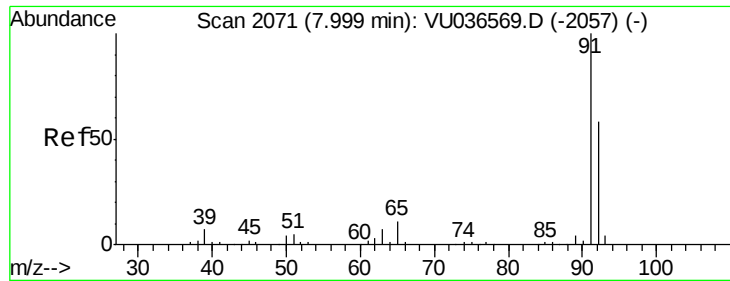
MMDadoda
 2/14/2020 12:22:30 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.731 ug/L
 RT: 7.83 min Scan# 2020
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion: 43 Resp: 14808
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.6 53.4
 100 19.6 14.9 22.3





#42

Toluene

Concen: 0.294 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tgt Ion: 91 Resp: 12592

Ion Ratio Lower Upper

91 100

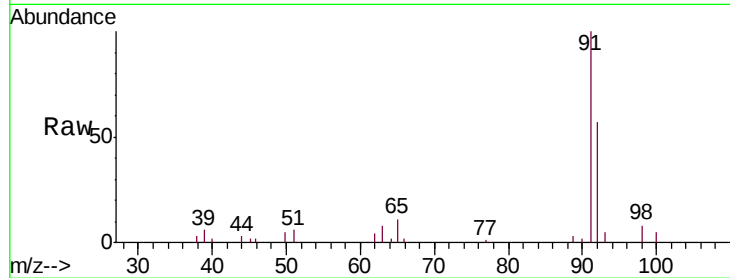
92 56.9 40.6 75.4

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Abundance Ion 91.15 (90.85 to 91.85): VU036569.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036569.D (-2057) (-)

8.00

8.00

8.00

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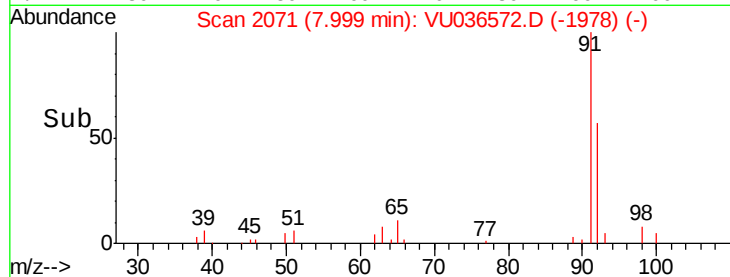
8.00

8.00

8.00

8.00

8.00



#44

trans-1,3-Dichloropropene

Concen: 0.294 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036572.D

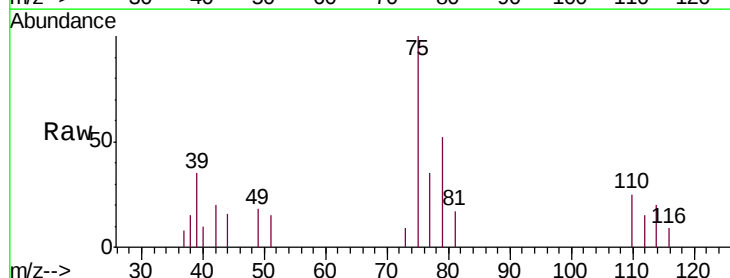
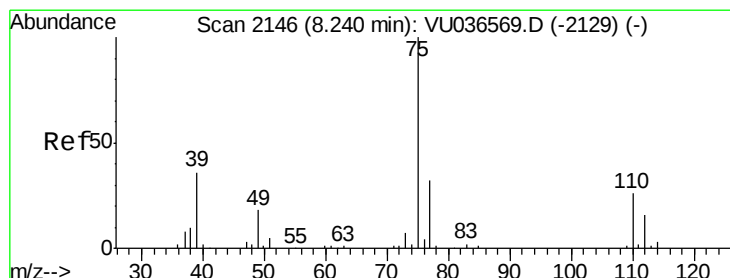
Acq: 28 Jan 2020 12:30

Tgt Ion: 75 Resp: 3369

Ion Ratio Lower Upper

75 100

77 35.0 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VU036569.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036569.D (-2129) (-)

8.24

8.24

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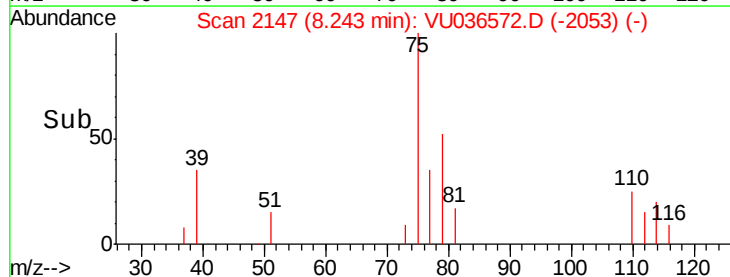
8.24

8.24

8.24

8.24

8.24



#44

trans-1,3-Dichloropropene

Concen: 0.294 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VU036572.D

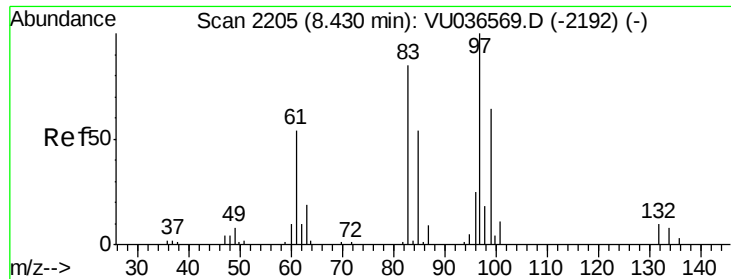
Acq: 28 Jan 2020 12:30

Tgt Ion: 75 Resp: 3369

Ion Ratio Lower Upper

75 100

77 35.0 22.8 42.4



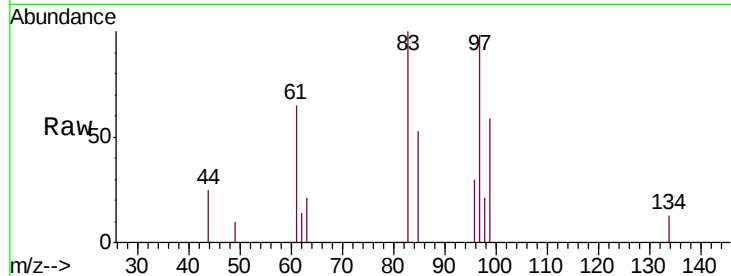
#45
 1,1,2-Trichloroethane
 Concen: 0.248 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	1769
Ion	Ratio	Lower	Upper
97	100		
99	60.3	42.1	78.3
83	101.9	58.4	108.6
85	53.6	39.6	73.6

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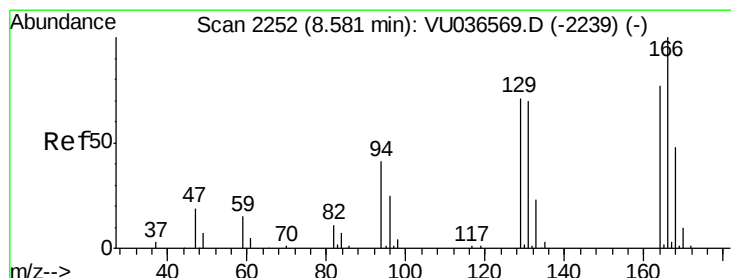
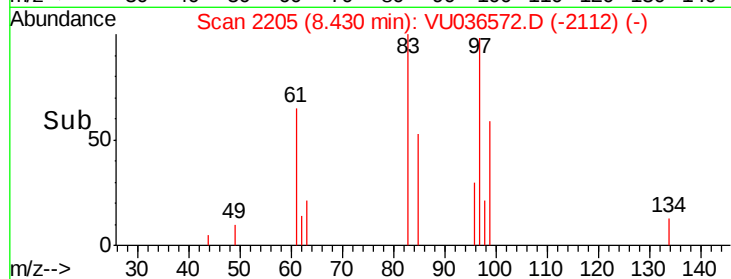
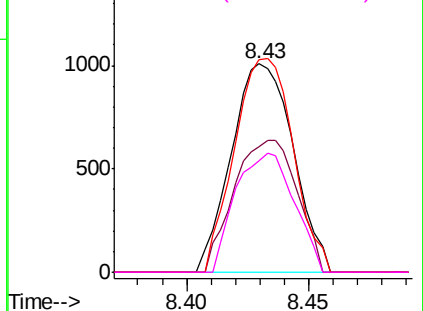
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.272 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion:	164	Resp:	2277
Ion	Ratio	Lower	Upper
164	100		
129	95.2	64.7	120.1
131	84.1	64.0	118.8
166	132.4	89.5	166.3

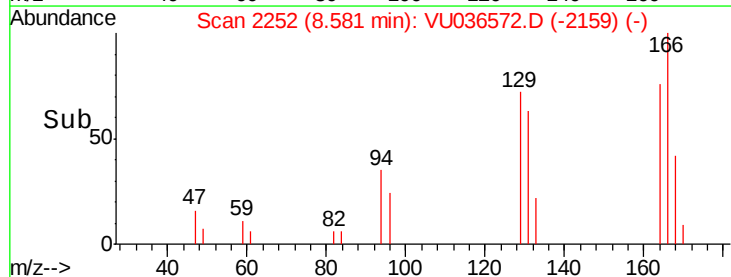
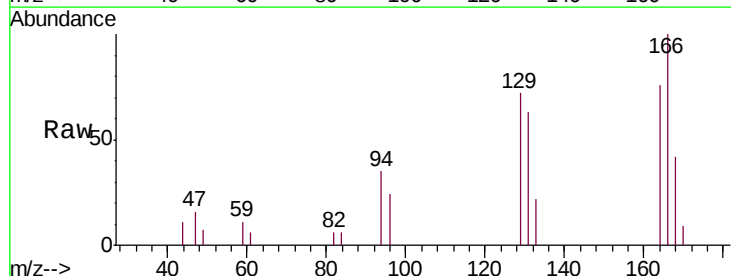
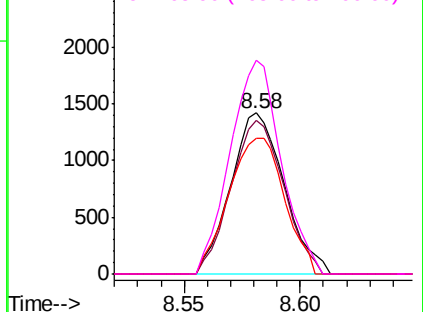
Abundance

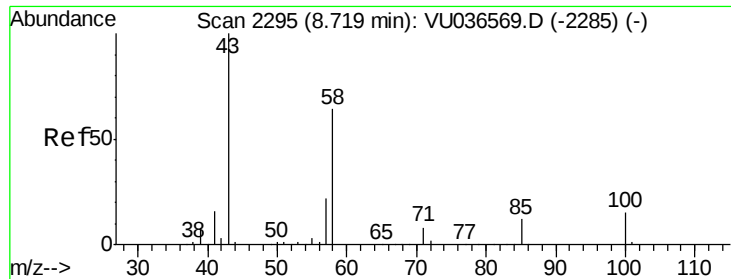
Ion 163.90 (163.60 to 164.60): V

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





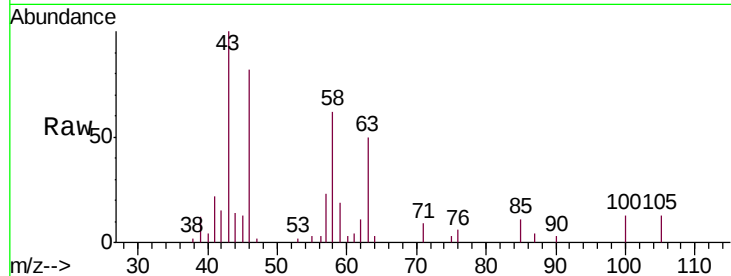
#48
2-Hexanone
Concen: 3.507 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.0	50.2	75.2
57	17.4	17.5	26.3
100	11.7	11.5	17.3

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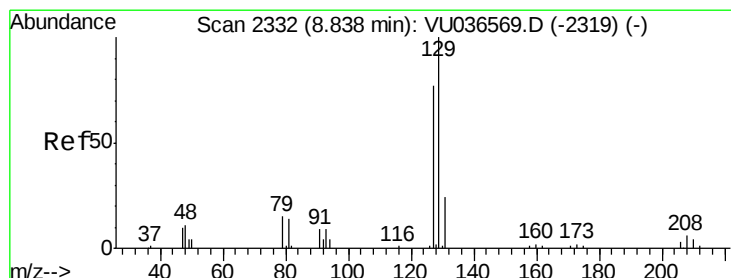
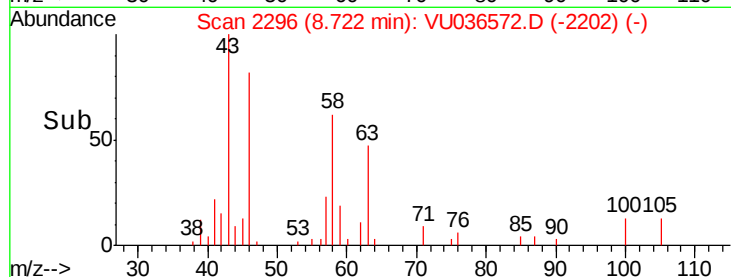
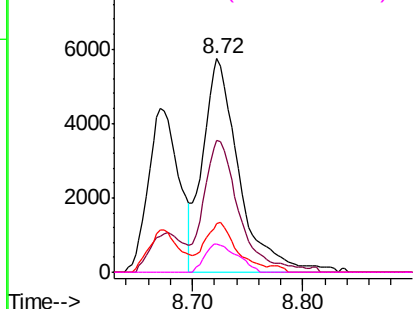
Abundance

Ion 43.05 (42.75 to 43.75): VU036572.D (-2296) (-)

Ion 58.05 (57.75 to 58.75): VU036572.D (-2296) (-)

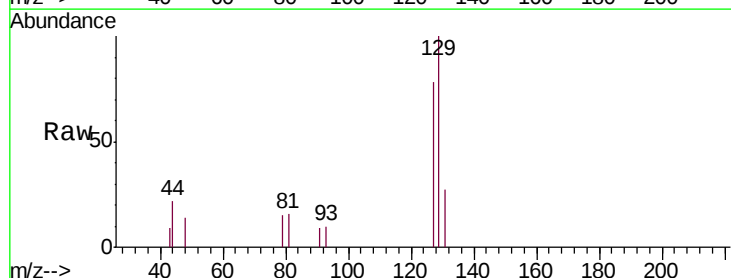
Ion 57.20 (56.90 to 57.90): VU036572.D (-2296) (-)

Ion 100.15 (99.85 to 100.85): VU036572.D (-2296) (-)



#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

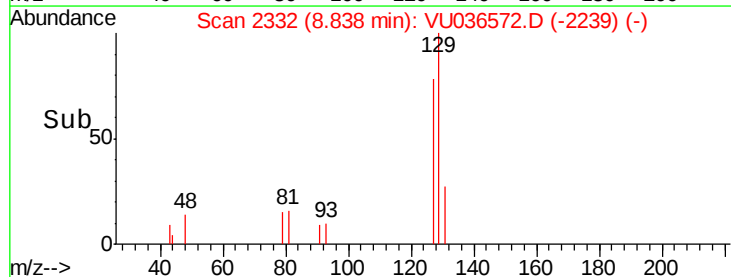
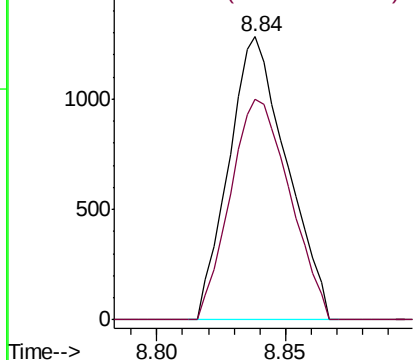
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.5	101.3

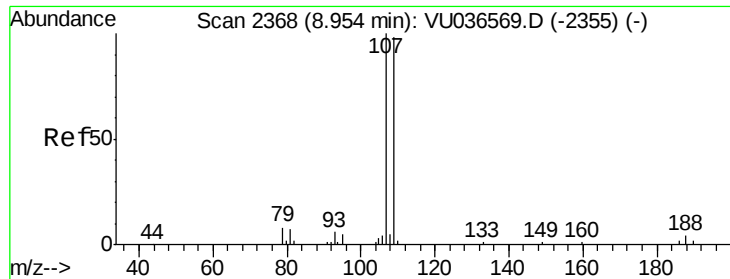


Abundance

Ion 128.95 (128.65 to 129.65): VU036572.D (-2332) (-)

Ion 126.90 (126.60 to 127.60): VU036572.D (-2332) (-)





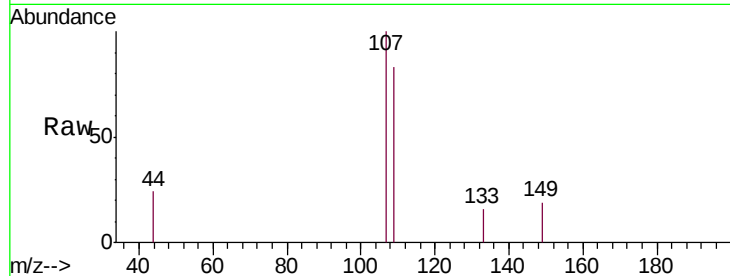
#50
1,2-Dibromoethane
Concen: 0.268 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

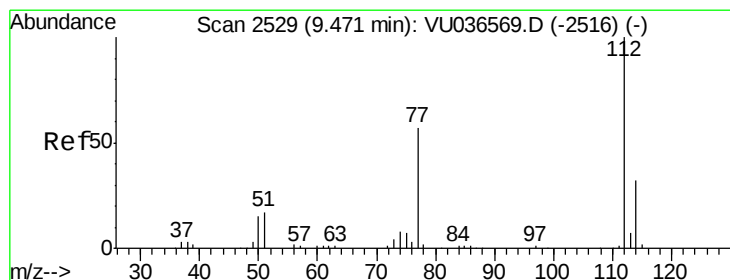
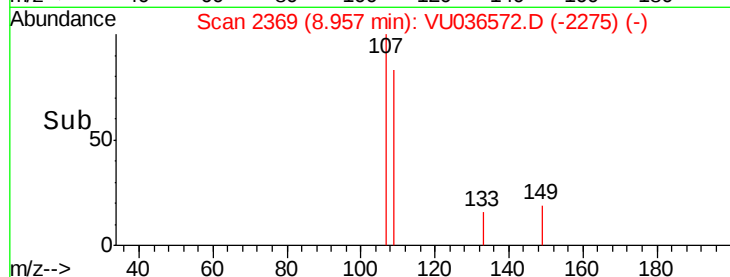
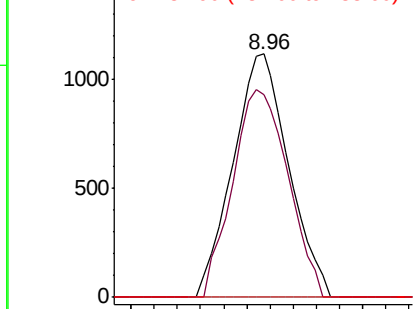
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	1859		
109	83.3	64.5	119.9	
188	0.0	2.8	4.2#	

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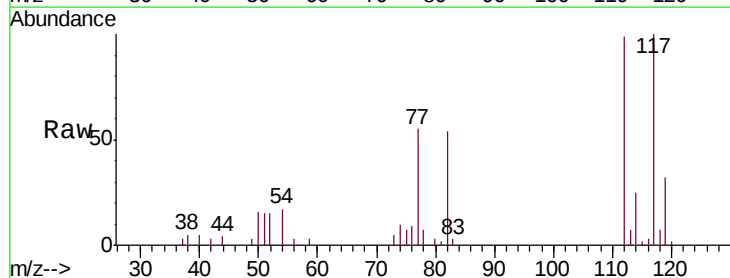


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

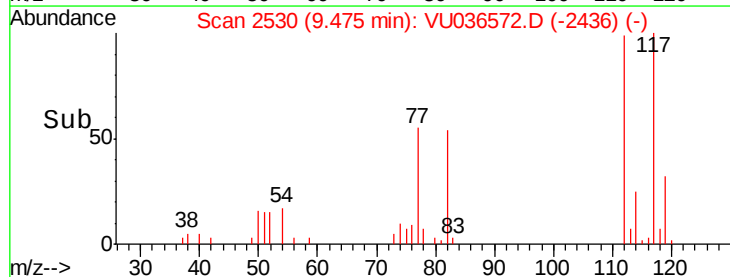
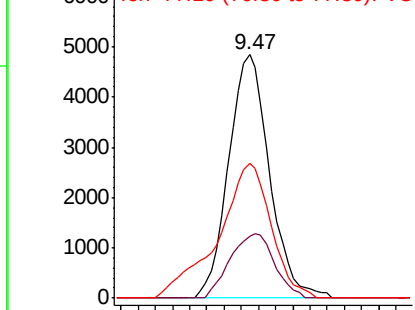


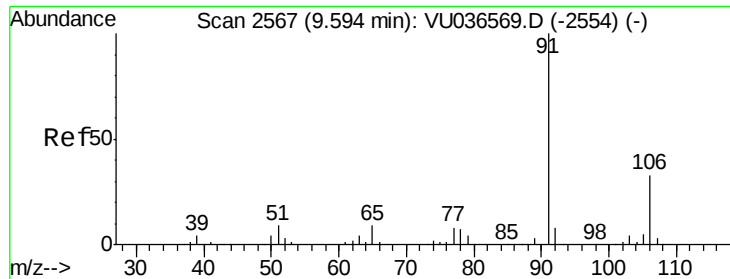
#51
Chlorobenzene
Concen: 0.290 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	7986		
114	25.4	23.2	43.2	
77	55.5	45.9	68.9	



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.270 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tgt Ion: 91 Resp: 12594

Ion Ratio Lower Upper

91 100

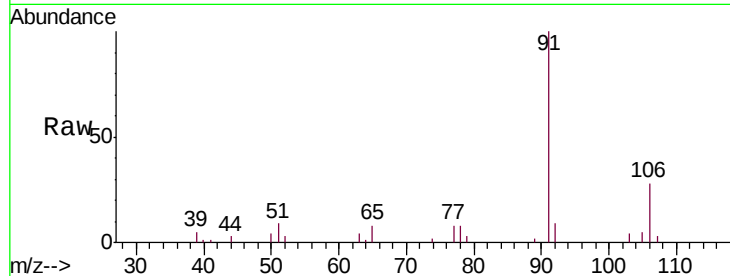
106 28.3 22.3 41.3

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Abundance Ion 91.15 (90.85 to 91.85): VU036572.D (-2474) (-)

Ion 106.15 (105.85 to 106.85): VU036572.D (-2474) (-)

9.59

8000

6000

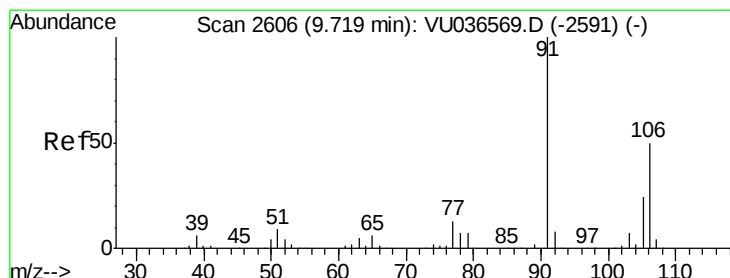
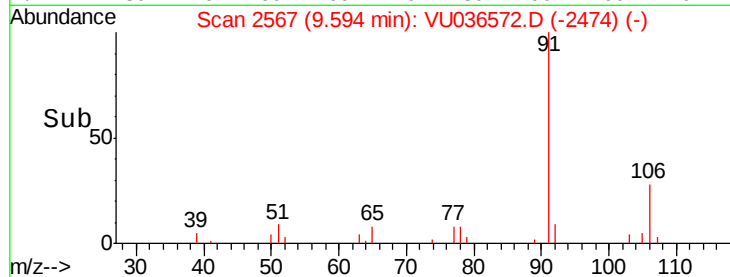
4000

2000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 0.268 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VU036572.D

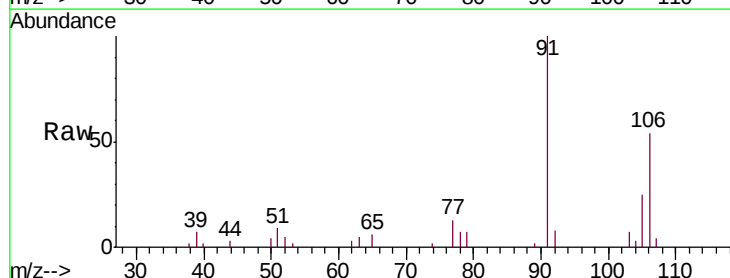
Acq: 28 Jan 2020 12:30

Tgt Ion: 106 Resp: 4847

Ion Ratio Lower Upper

106 100

91 186.5 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036572.D (-2513) (-)

Ion 91.15 (90.85 to 91.85): VU036572.D (-2513) (-)

9.72

6000

5000

4000

3000

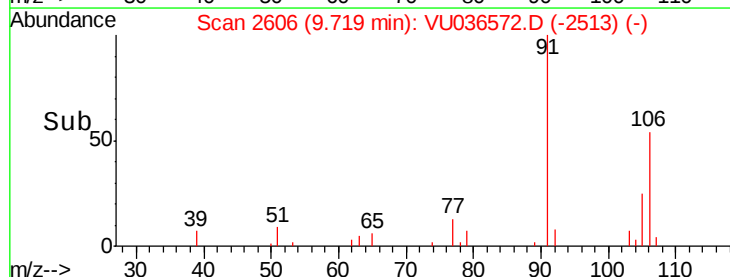
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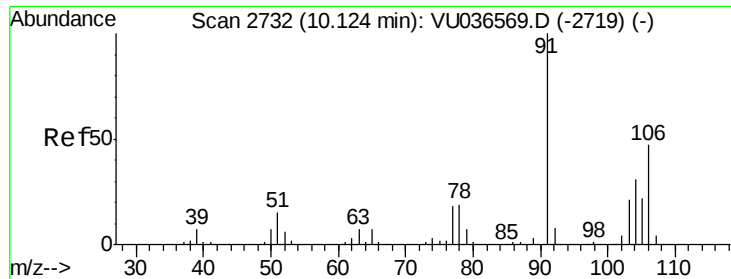
1000

0

9.65 9.70 9.75

Time-->





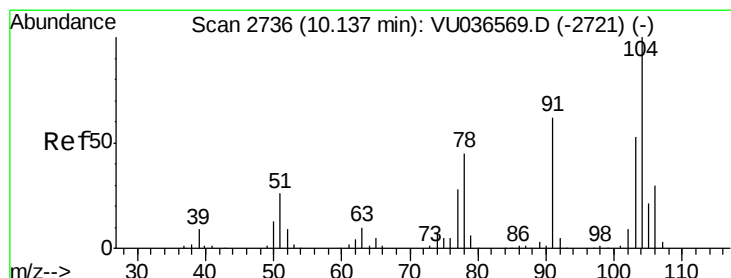
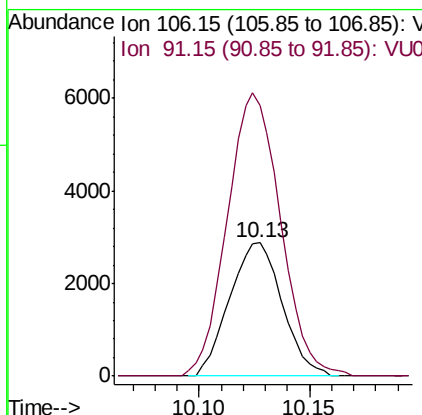
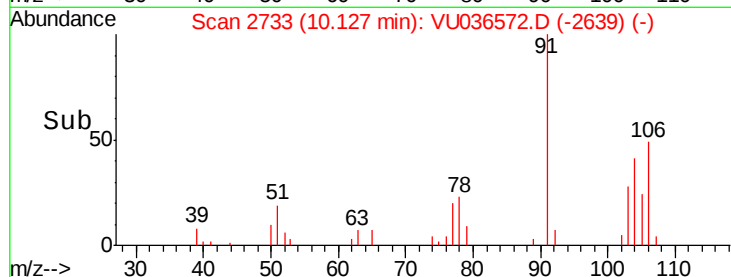
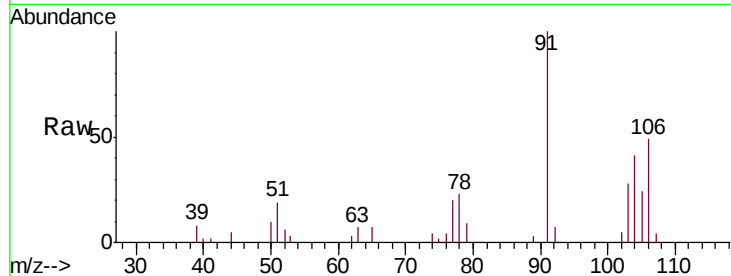
#54
o-Xylene
Concen: 0.269 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tgt Ion:106 Resp: 4762
Ion Ratio Lower Upper
106 100
91 203.1 146.2 271.4

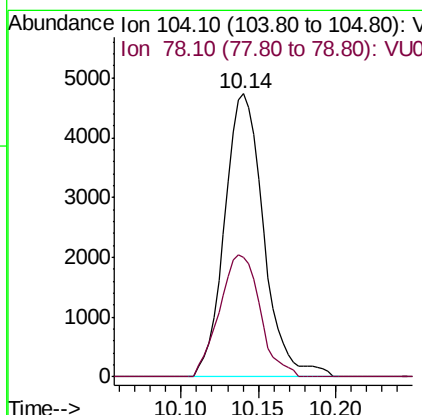
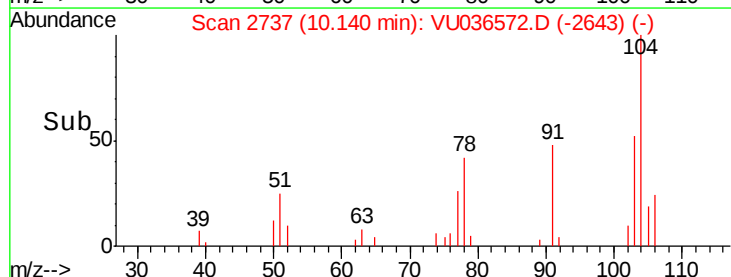
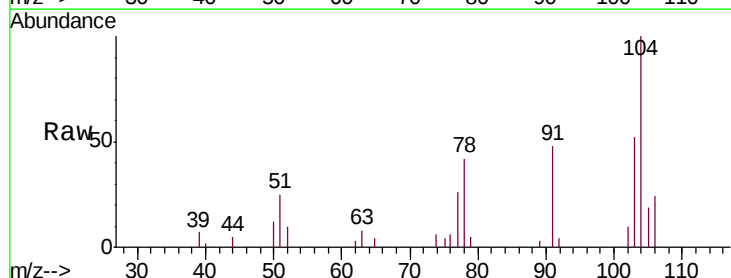
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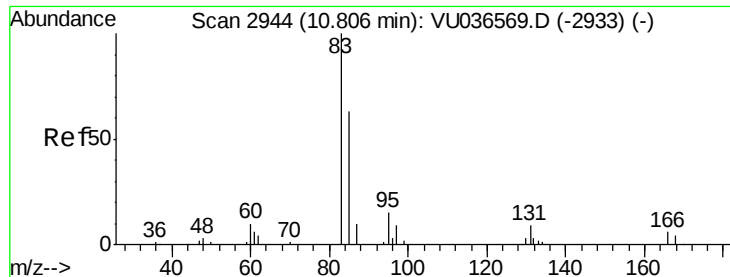
MMDadoda
2/14/2020 12:22:30 PM



#55
Styrene
Concen: 0.284 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion:104 Resp: 8274
Ion Ratio Lower Upper
104 100
78 42.3 31.9 59.2





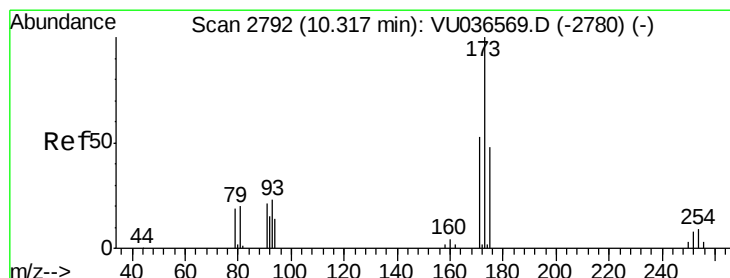
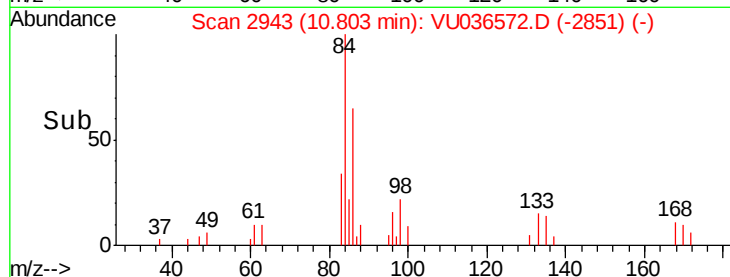
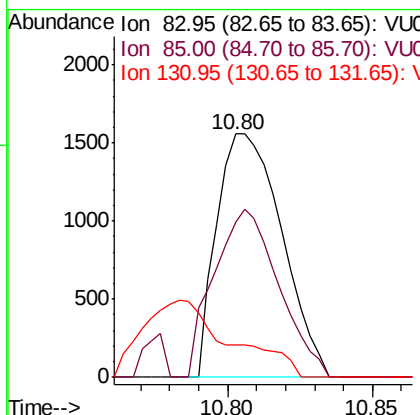
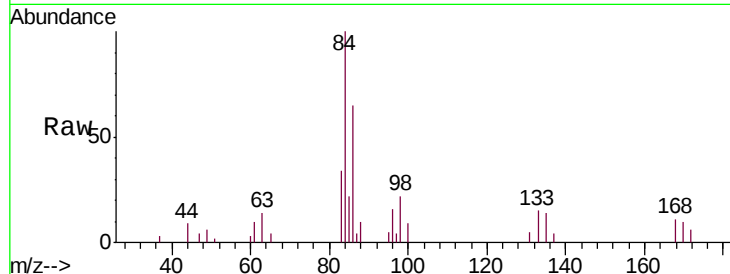
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.271 ug/L
 RT: 10.80 min Scan# 2943
 Delta R.T. -0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	47.0	87.4
131	13.2	8.1	12.1#

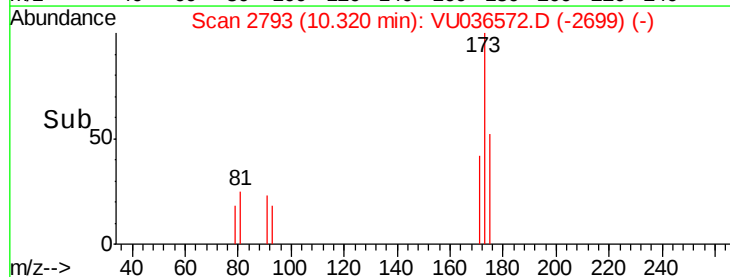
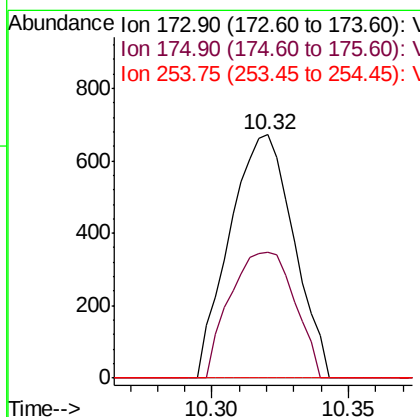
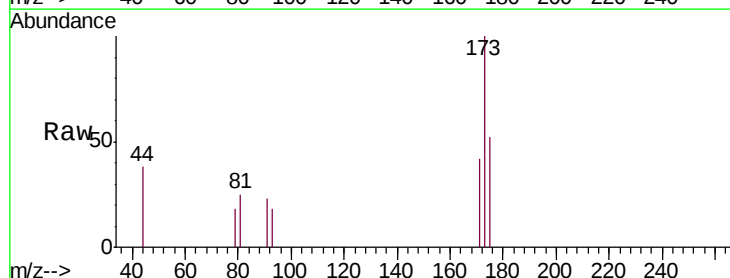
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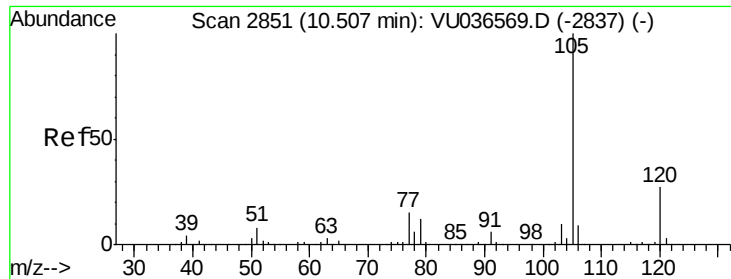
MMDadoda
 2/14/2020 12:22:30 PM



#59
 Bromoform
 Concen: 0.254 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Lower	Upper
173	100		
175	52.2	39.0	58.4
254	0.0	6.3	9.5#





#60

Isopropylbenzene

Concen: 0.287 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Instrument :

MSVOA_U

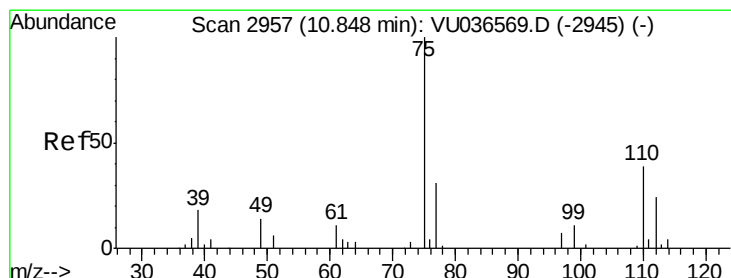
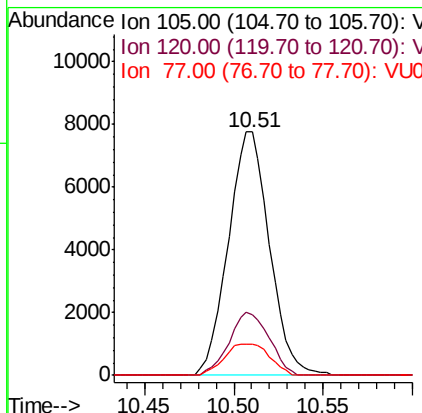
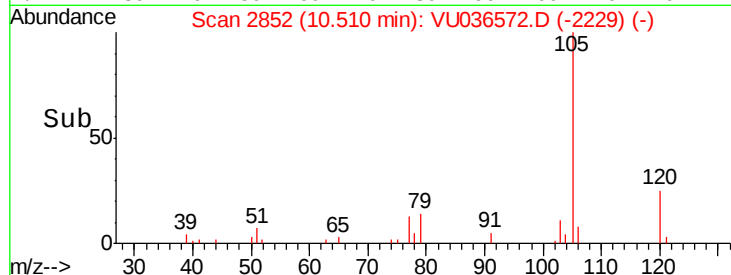
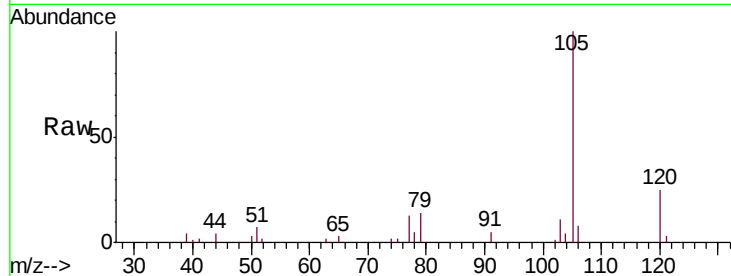
ClientSampled :

MDL06

Tgt Ion:	105	Resp:	12421
Ion Ratio	Lower	Upper	
105	100		
120	25.0	21.5	32.3
77	14.1	12.2	18.2

Manual Integrations
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#61

1,2,3-Trichloropropane

Concen: 0.304 ug/L

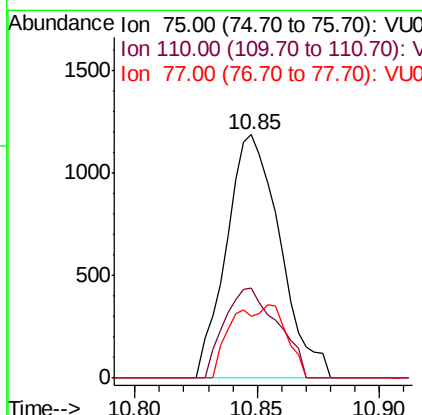
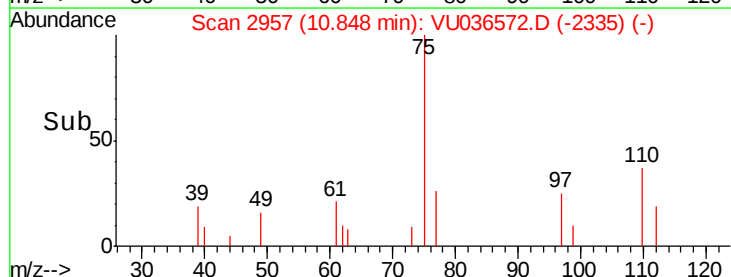
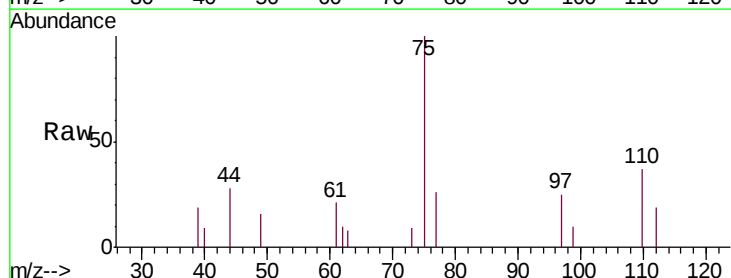
RT: 10.85 min Scan# 2957

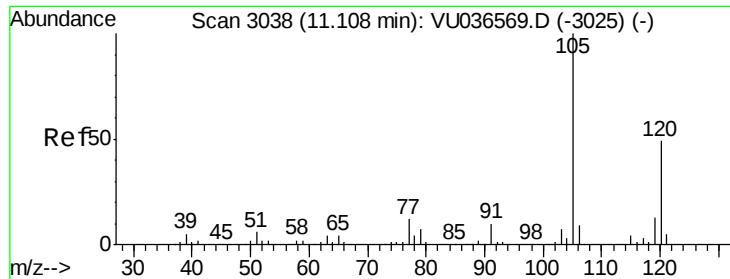
Delta R.T. 0.00 min

Lab File: VU036572.D

Acq: 28 Jan 2020 12:30

Tgt Ion:	75	Resp:	1814
Ion Ratio	Lower	Upper	
75	100		
110	37.0	29.0	43.4
77	14.3	25.8	38.6#





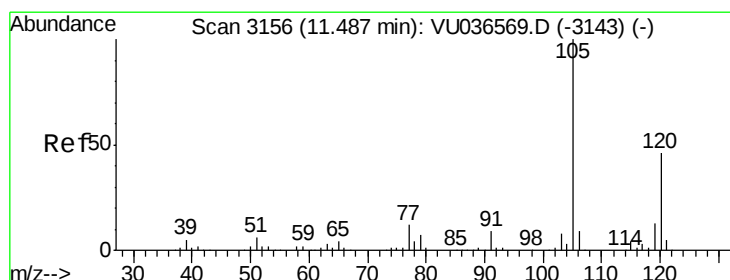
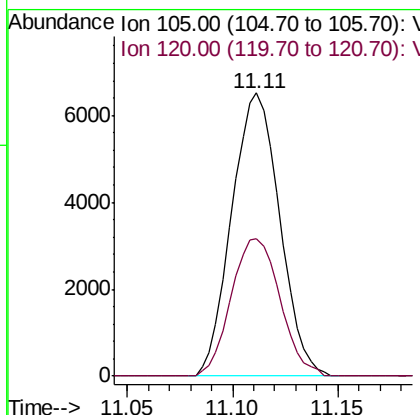
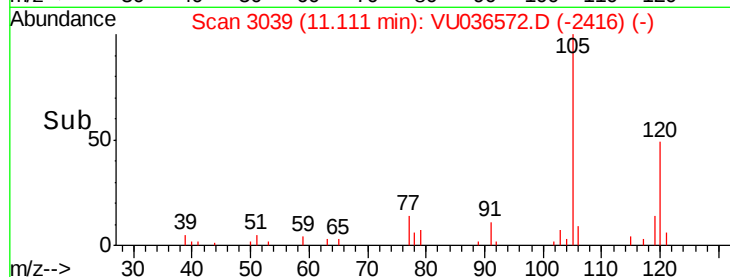
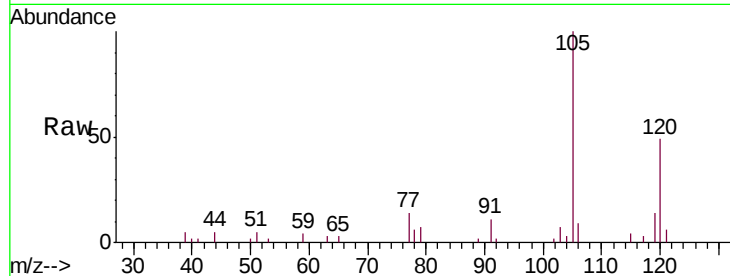
#62
 1,3,5-Trimethylbenzene
 Concen: 0.277 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion:105 Resp: 10291
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.7 59.5

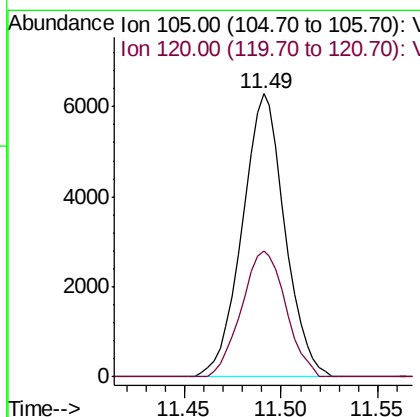
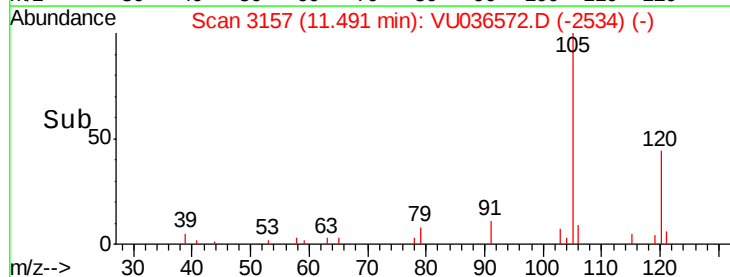
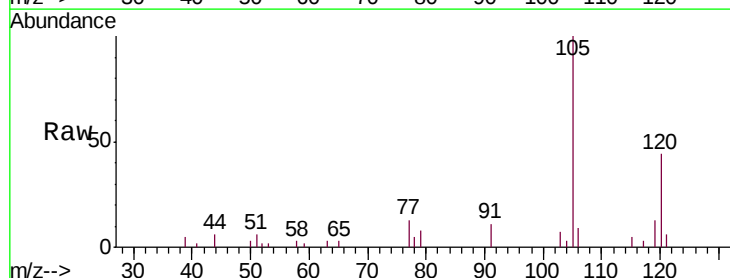
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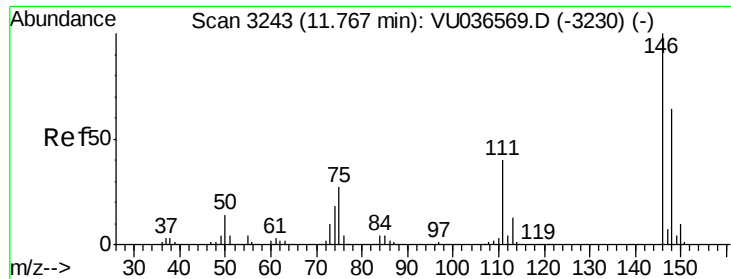
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.262 ug/L
 RT: 11.49 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion:105 Resp: 9646
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.9 55.3





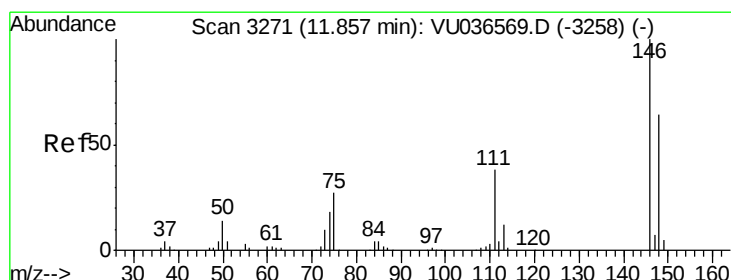
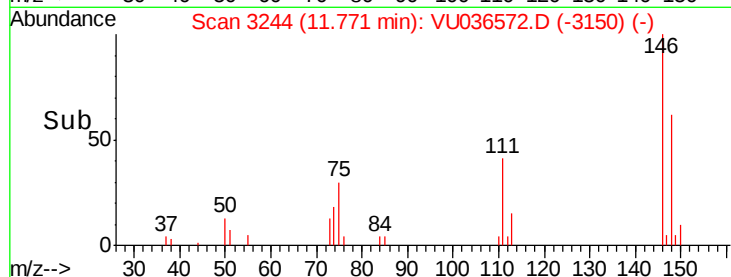
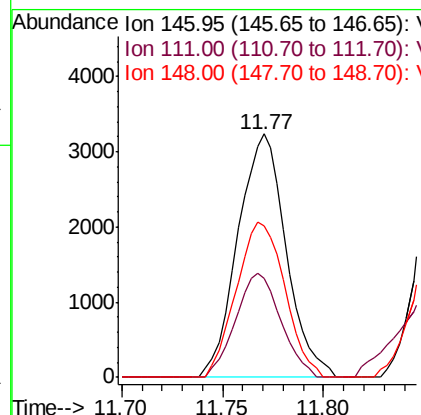
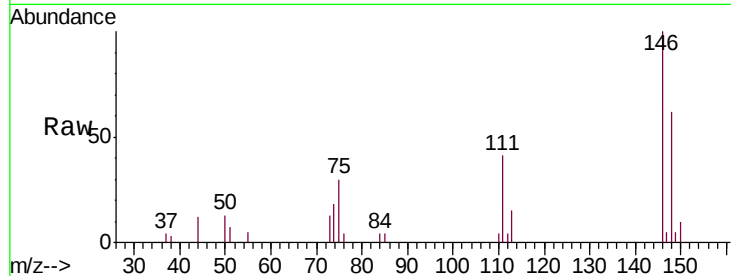
#64
 1,3-Dichlorobenzene
 Concen: 0.268 ug/L
 RT: 11.77 min Scan# 3244
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	28.8	53.6
148	62.3	44.2	82.2

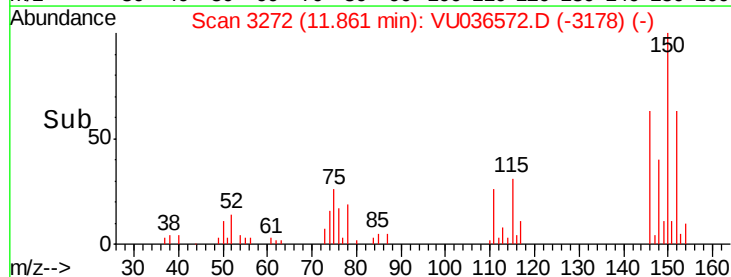
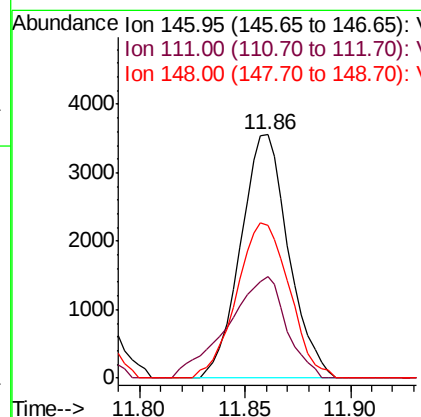
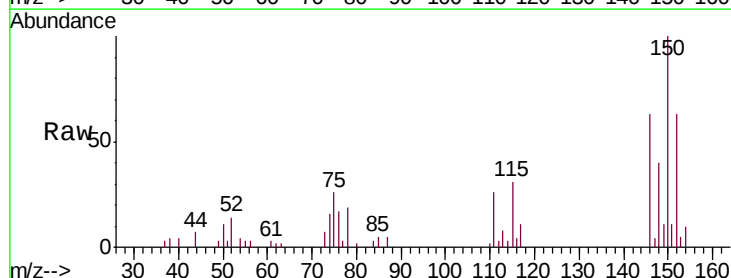
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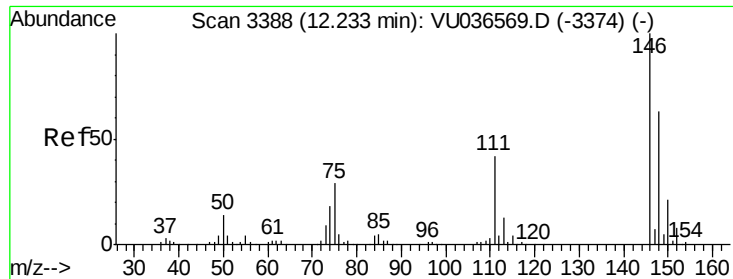
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#65
 1,4-Dichlorobenzene
 Concen: 0.278 ug/L
 RT: 11.86 min Scan# 3272
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.2	50.6
148	63.0	44.8	83.2





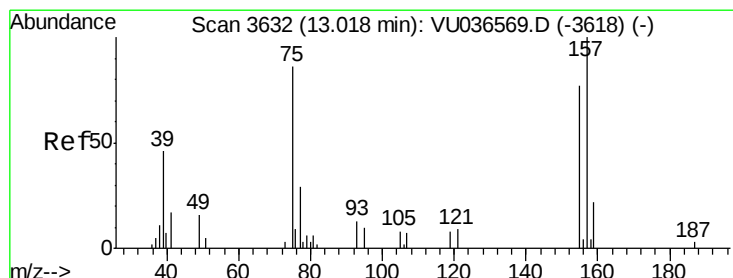
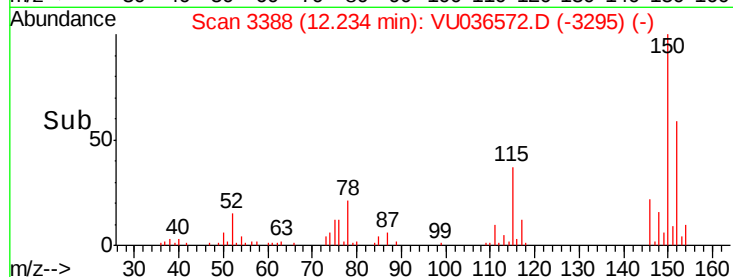
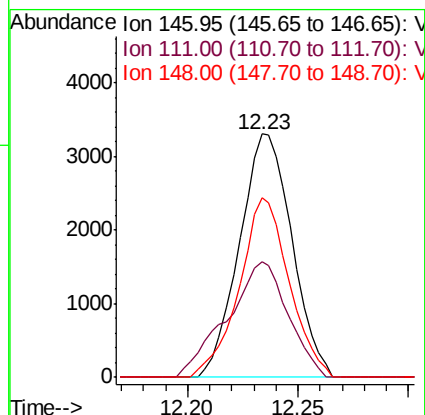
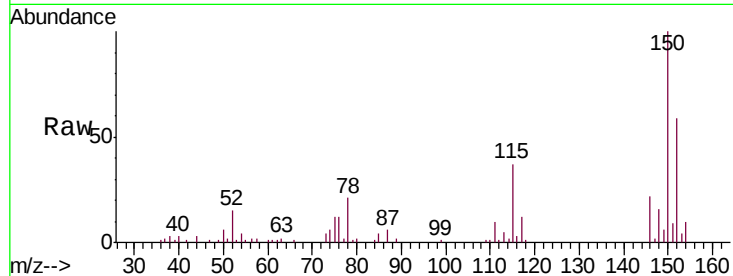
#67
 1,2-Dichlorobenzene
 Concen: 0.282 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	33.4	50.0
148	73.8	51.0	76.4

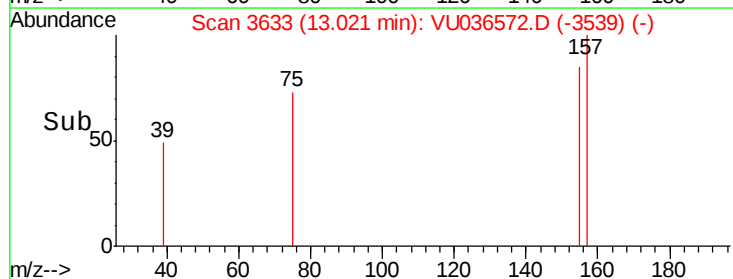
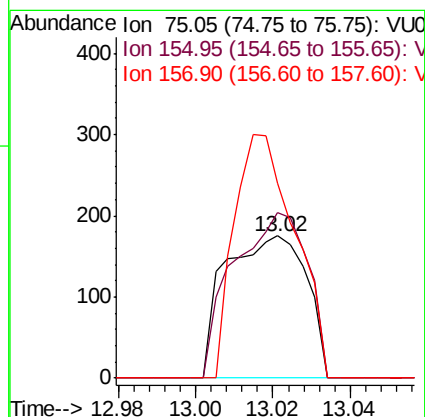
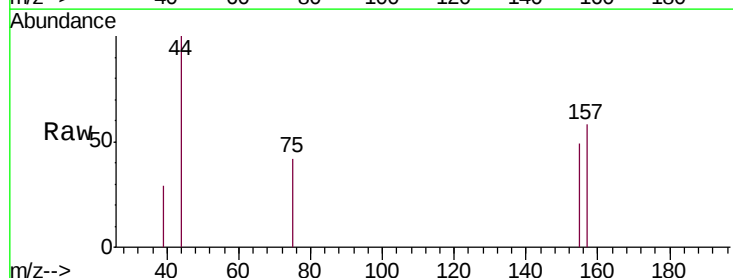
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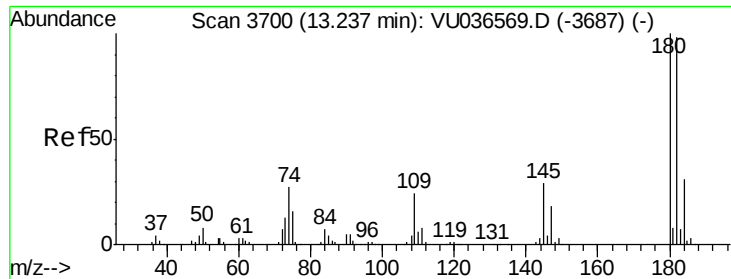
MMDadoda
 2/14/2020 12:22:30 PM



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.202 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.6	64.2	96.4#
157	137.7	85.1	127.7#





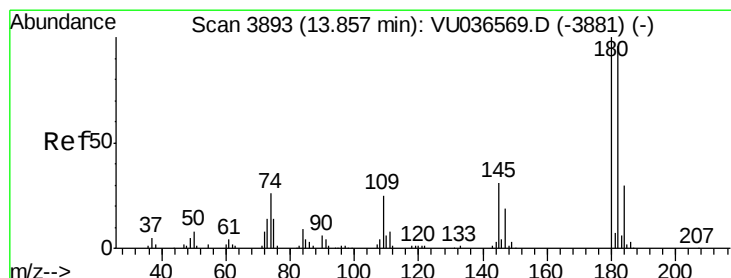
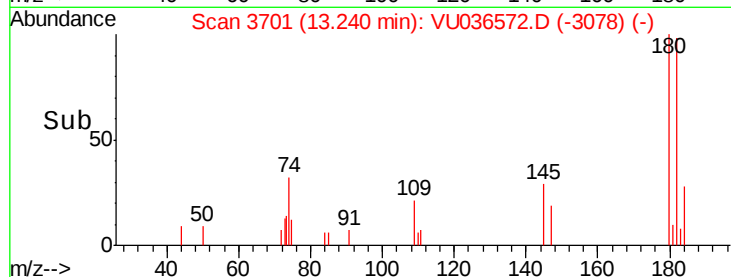
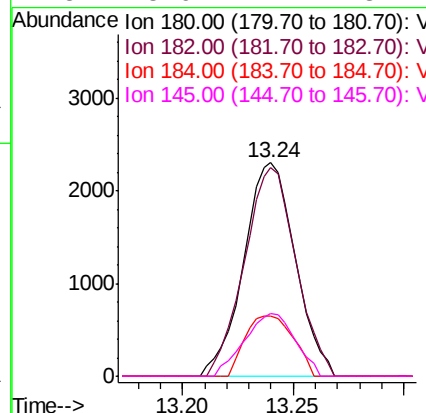
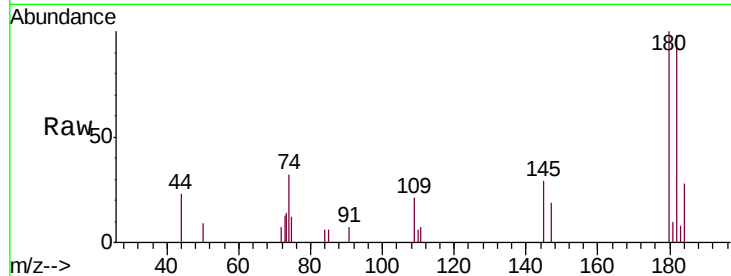
#69
 1,3,5-Trichlorobenzene
 Concen: 0.240 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3725		
182	97.4	75.2	112.8	
184	26.3	23.9	35.9	
145	28.9	22.7	34.1	

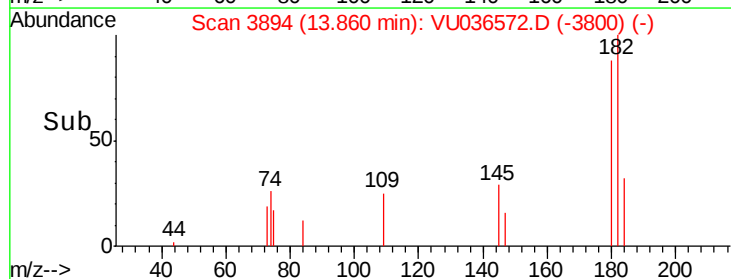
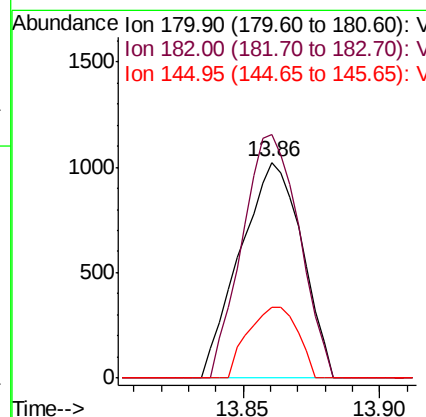
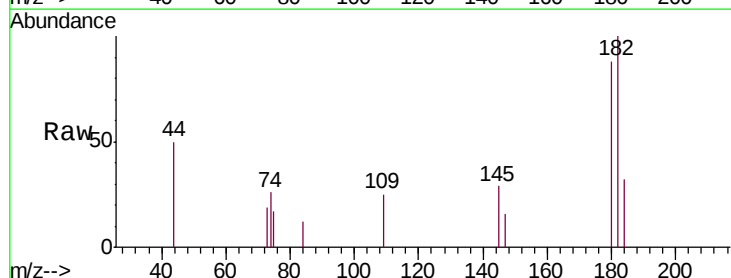
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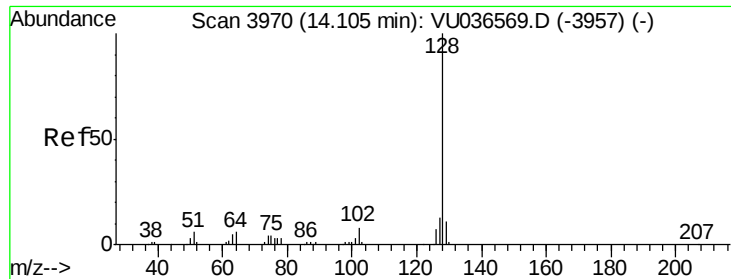
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#70
 1,2,4-trichlorobenzene
 Concen: 0.143 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU036572.D
 Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1613		
182	103.8	76.2	114.4	
145	26.5	23.9	35.9	





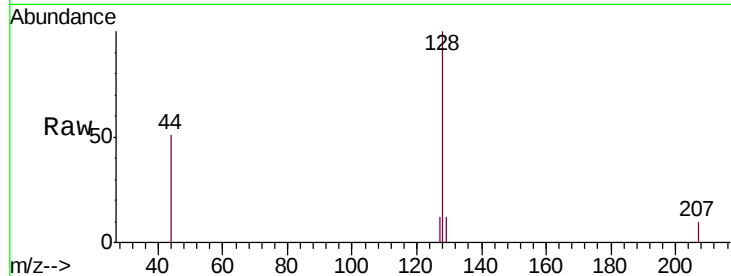
#71
Naphthalene
Concen: 0.091 ug/L
RT: 14.10 min Scan# 3970
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Instrument :
MSVOA_U
ClientSampleId :
MDL06

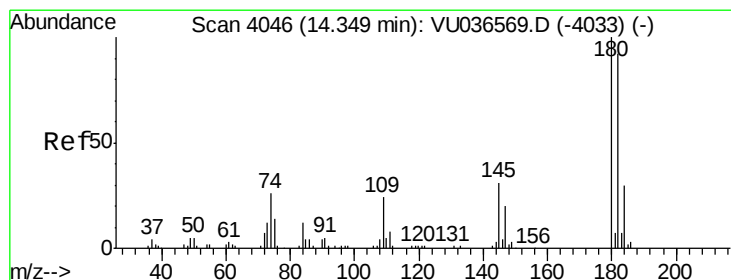
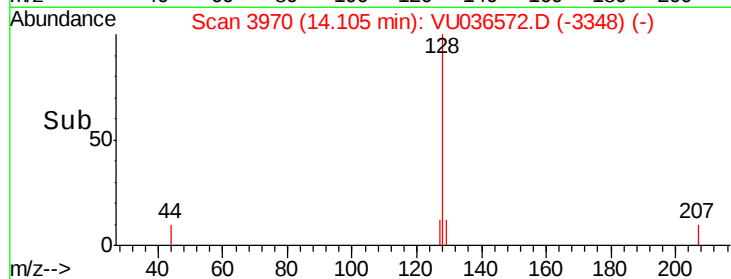
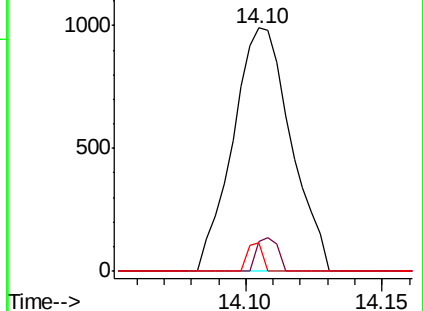
Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.9	8.4	12.6#
127	2.9	9.9	14.9#

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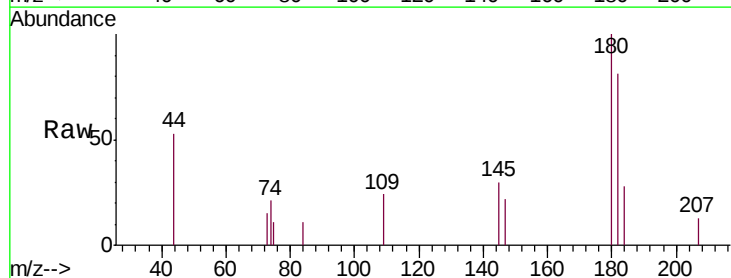


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.158 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU036572.D
Acq: 28 Jan 2020 12:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
145	29.9	25.6	38.4



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

