

Data File : VU036566.D
 Acq On : 27 Jan 2020 14:24
 Operator : JC/MD
 Sample : MDL05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 12:23:19 PM

Quant Time: Jan 28 02:00:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 28 01:18:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	6.29	114	147686	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	139198	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.84	152	66697	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	36905	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	36567	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.59	65	16695	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.80%
20) 2-Butanone-d5	4.69	46	84458m	47.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.40%
24) Chloroform-d	5.11	84	76302	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.75	65	41598	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.77	84	169648	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.73	67	54864	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	162800	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	8.21	79	21384	5.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.80%
46) 2-Hexanone-d5	8.67	63	107827	56.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.80%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	45306	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
66) 1,2-Dichlorobenzene-d4	12.21	152	61169	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	2954	0.273 ug/L	91
3) Chloromethane	1.54	50	3184	0.278 ug/L	95
5) Vinyl chloride	1.62	62	3537	0.285 ug/L #	79
6) Bromomethane	1.87	94	2099	0.291 ug/L	95
8) Chloroethane	1.95	64	2388	0.311 ug/L	92
9) Trichlorofluoromethane	2.16	101	3797	0.263 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2774	0.312 ug/L	90
12) 1,1-Dichloroethene	2.60	96	2850	0.323 ug/L #	1
13) Acetone	2.68	43	7073	5.303 ug/L	96
14) Carbon disulfide	2.82	76	7912	0.285 ug/L	99
15) Methyl Acetate	3.00	43	971	0.285 ug/L #	46
16) Methylene chloride	3.08	84	5044	0.420 ug/L	93
17) Methyl tert-butyl Ether	3.41	73	6030	0.272 ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	2541	0.268 ug/L	92
19) 1,1-Dichloroethane	3.92	63	4453	0.269 ug/L	98
21) 2-Butanone	4.77	43	6871	3.186 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	2640	0.250 ug/L	87

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MDL05

Manual Integrations
APPROVED

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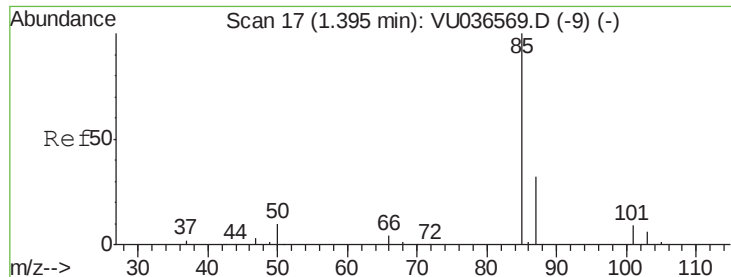
Quant Time: Jan 28 02:00:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR012420WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 28 01:18:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	5.03	128	1238	0.278	ug/L	94
25) Chloroform	5.13	83	5041	0.306	ug/L	97
27) 1,2-Dichloroethane	5.84	62	2879	0.278	ug/L #	92
29) 1,1,1-Trichloroethane	5.36	97	3302	0.238	ug/L	97
30) Cyclohexane	5.43	56	4087	0.258	ug/L	93
31) Carbon tetrachloride	5.57	117	3050	0.259	ug/L	99
33) Benzene	5.81	78	11051	0.283	ug/L	100
34) Trichloroethene	6.58	95	2808	0.271	ug/L	93
35) Methylcyclohexane	6.80	83	4976	0.280	ug/L	94
37) 1,2-Dichloropropane	6.83	63	2634	0.271	ug/L #	88
38) Bromodichloromethane	7.14	83	3177	0.267	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	4205	0.280	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	16646	3.043	ug/L #	87
42) Toluene	8.00	91	12858	0.298	ug/L	96
44) trans-1,3-Dichloropropene	8.24	75	3043m	0.264	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	2014	0.280	ug/L	91
47) Tetrachloroethene	8.58	164	2413	0.286	ug/L	79
48) 2-Hexanone	8.72	43	11385	3.017	ug/L	90
49) Dibromochloromethane	8.84	129	2106	0.256	ug/L	98
50) 1,2-Dibromoethane	8.96	107	1876	0.268	ug/L #	98
51) Chlorobenzene	9.48	112	7664	0.276	ug/L	93
52) Ethylbenzene	9.60	91	12970	0.276	ug/L	99
53) m,p-Xylene	9.72	106	5200	0.285	ug/L	84
54) o-Xylene	10.12	106	4951	0.277	ug/L	90
55) Styrene	10.14	104	8089	0.276	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.81	83	2488	0.276	ug/L	93
59) Bromoform	10.32	173	1136	0.254	ug/L #	91
60) Isopropylbenzene	10.51	105	12510	0.277	ug/L	99
61) 1,2,3-Trichloropropane	10.85	75	1772	0.285	ug/L	98
62) 1,3,5-Trimethylbenzene	11.11	105	10528	0.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.49	105	9772	0.255	ug/L	94
64) 1,3-Dichlorobenzene	11.77	146	5900	0.281	ug/L	97
65) 1,4-Dichlorobenzene	11.86	146	5869	0.279	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	5799	0.289	ug/L	93
68) 1,2-Dibromo-3-chloropropan	13.01	75	498	0.379	ug/L #	80
69) 1,3,5-Trichlorobenzene	13.24	180	4116	0.255	ug/L	96
70) 1,2,4-trichlorobenzene	13.86	180	2021	0.172	ug/L	97
71) Naphthalene	14.11	128	2026	0.121	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.35	180	1913	0.180	ug/L	92

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

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[illegible]



#2

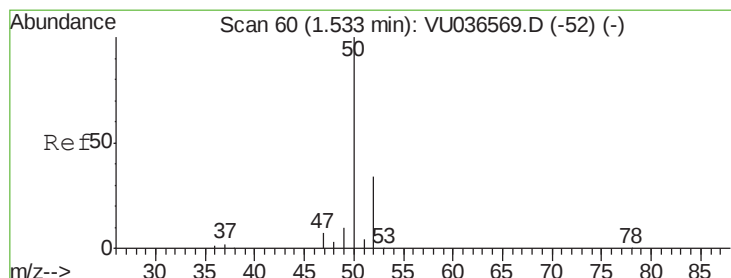
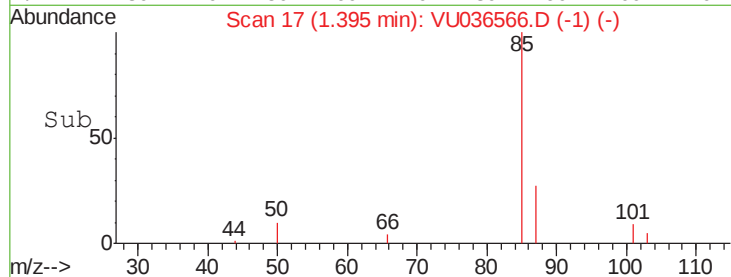
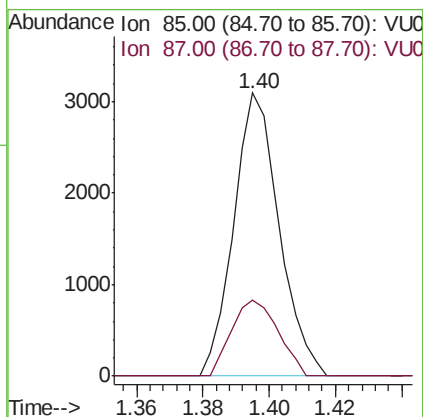
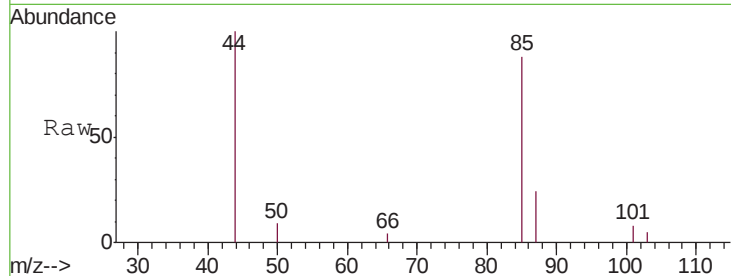
Dichlorodifluoromethane
Concen: 0.273 ug/L
RT: 1.40 min Scan# 17
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion: 85 Resp: 2954
Ion Ratio Lower Upper
85 100
87 27.4 26.0 39.0

Manual Integrations
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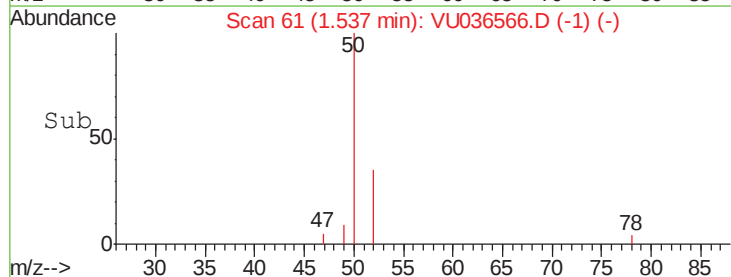
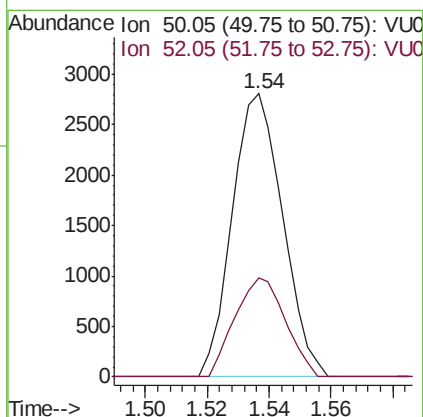
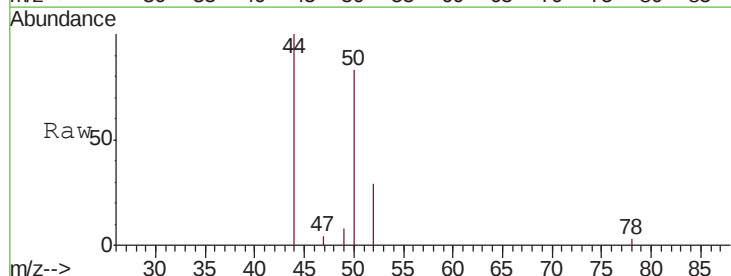
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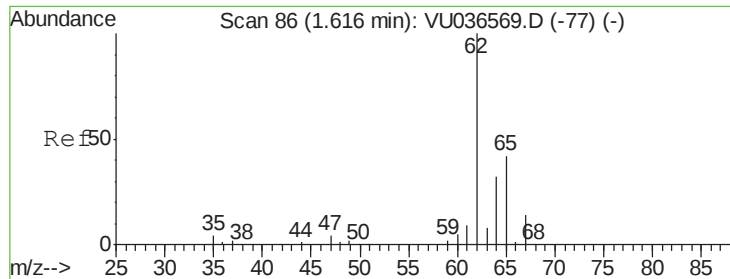


#3

Chloromethane
Concen: 0.278 ug/L
RT: 1.54 min Scan# 61
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 50 Resp: 3184
Ion Ratio Lower Upper
50 100
52 35.1 22.7 42.3





#5

Vinyl chloride

Concen: 0.285 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 62 Resp: 3537

Ion Ratio Lower Upper

62 100

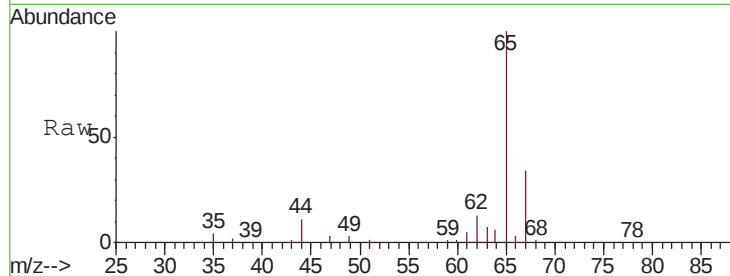
64 44.3 22.6 42.0#

Manual Integrations

APPROVED

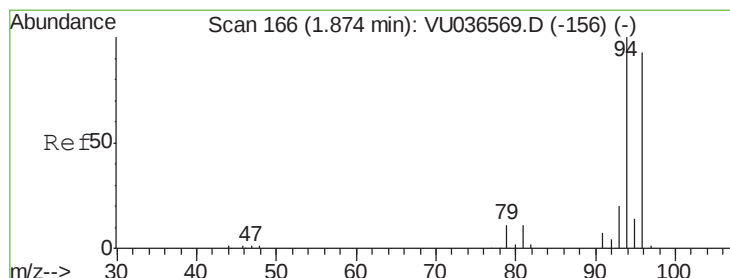
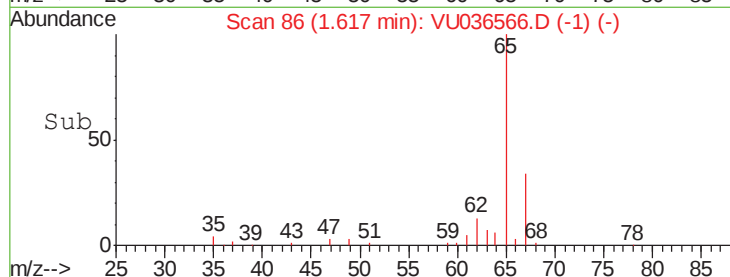
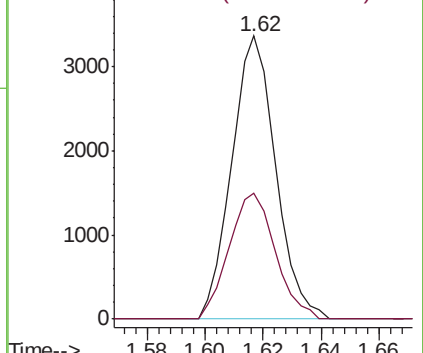
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Abundance Ion 62.00 (61.70 to 62.70): VU036566.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036566.D (-77) (-)



#6

Bromomethane

Concen: 0.291 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036566.D

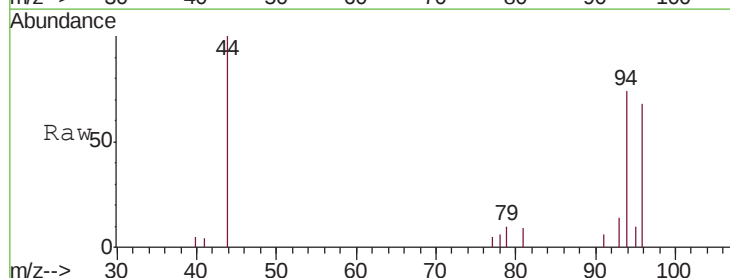
Acq: 27 Jan 2020 14:24

Tgt Ion: 94 Resp: 2099

Ion Ratio Lower Upper

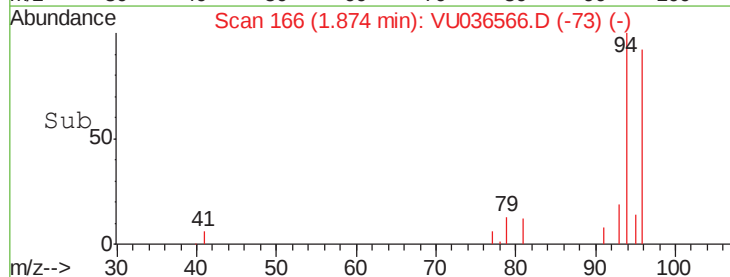
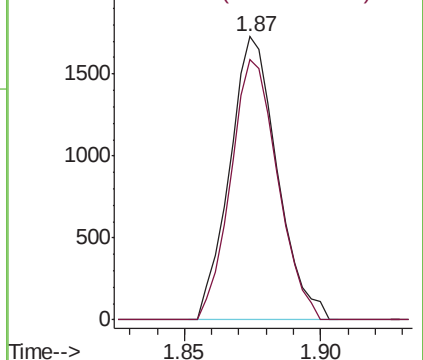
94 100

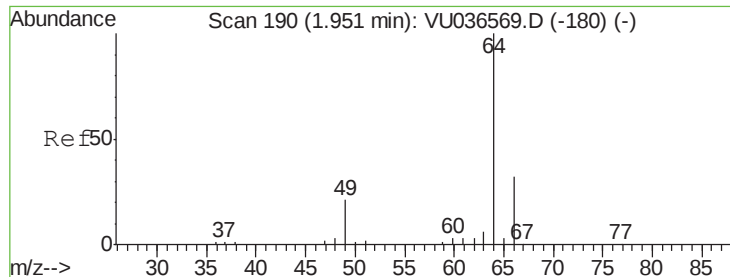
96 91.8 67.6 125.6



Abundance Ion 94.00 (93.70 to 94.70): VU036566.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU036566.D (-156) (-)





#8

Chloroethane

Concen: 0.311 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 64 Resp: 2388

Ion Ratio Lower Upper

64 100

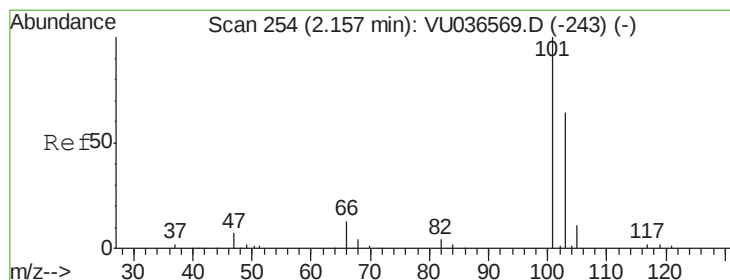
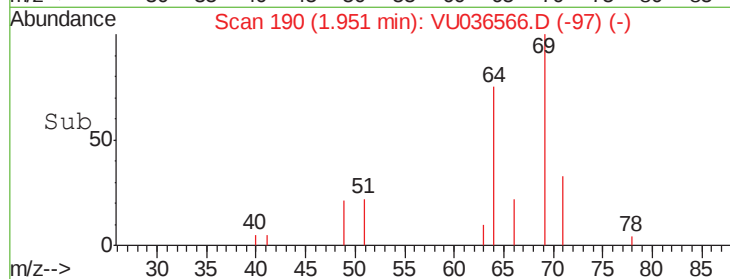
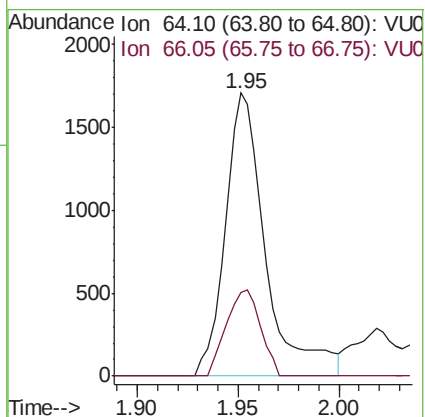
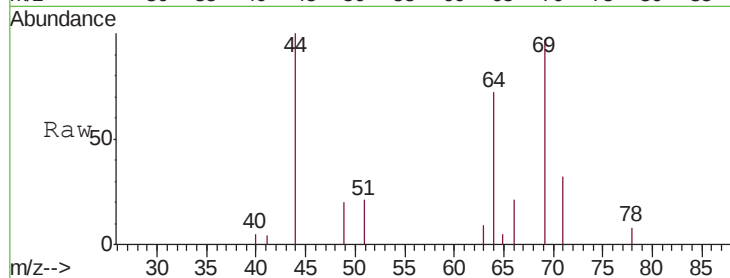
66 29.6 24.1 44.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.263 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036566.D

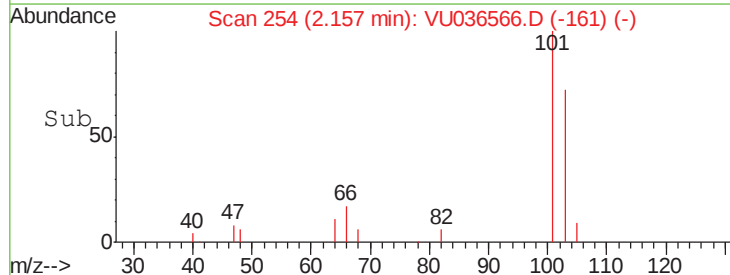
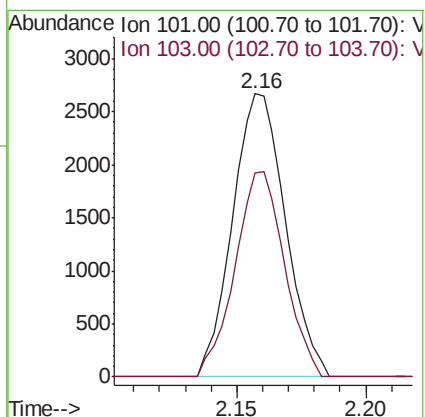
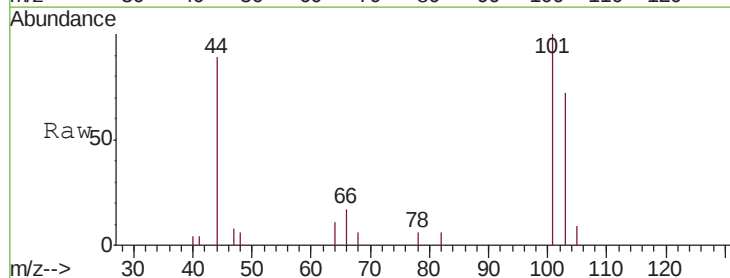
Acq: 27 Jan 2020 14:24

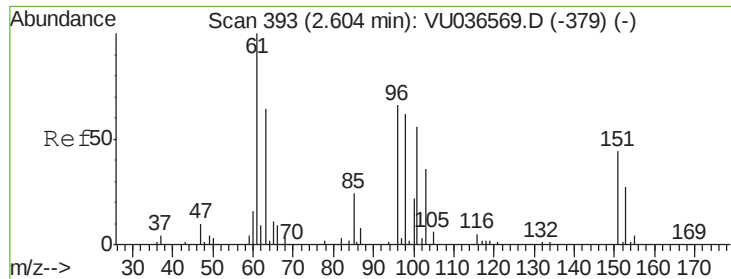
Tgt Ion: 101 Resp: 3797

Ion Ratio Lower Upper

101 100

103 67.8 52.5 78.7





#10

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

Concen: 0.312 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

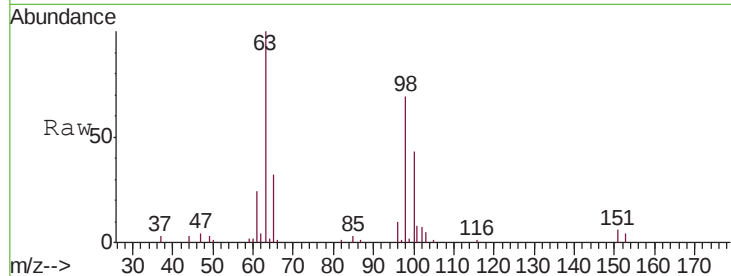
ClientSampleId :

MDL05

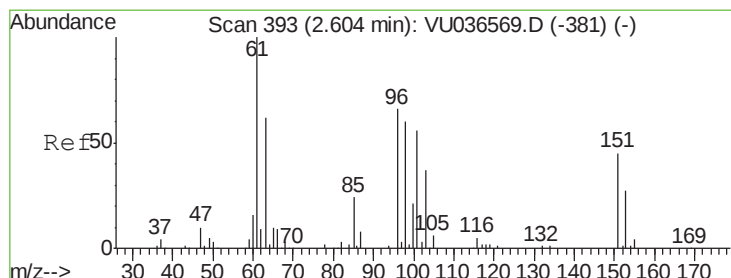
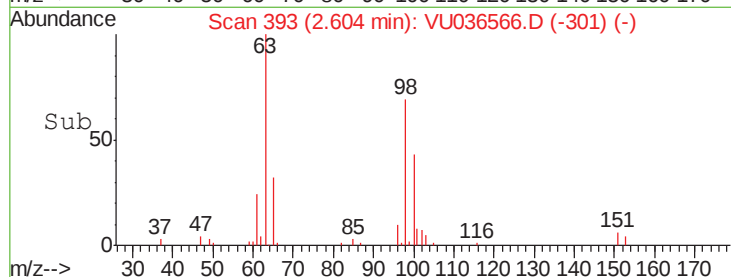
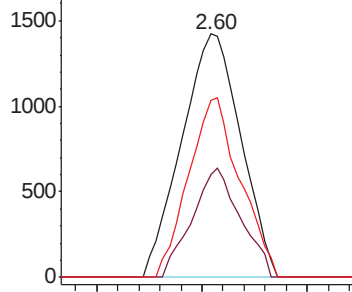
Tgt Ion:	101	Resp:	2774
Ion	Ratio	Lower	Upper
101	100		
85	36.7	32.2	48.4
151	64.2	59.2	88.8

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VUC
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.323 ug/L

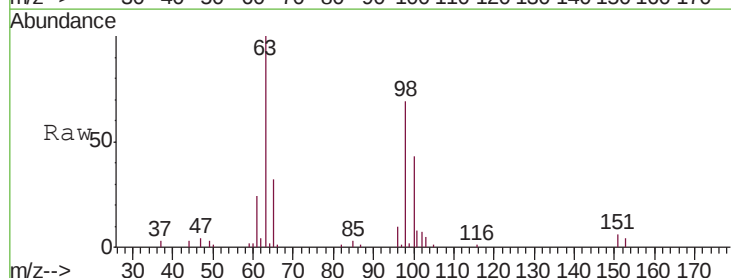
RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

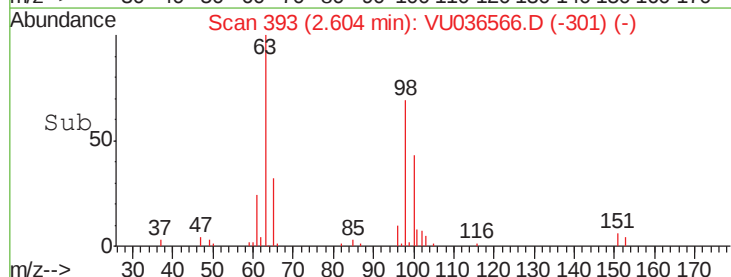
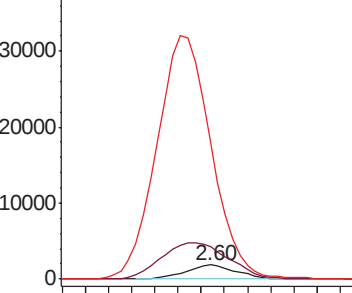
Lab File: VU036566.D

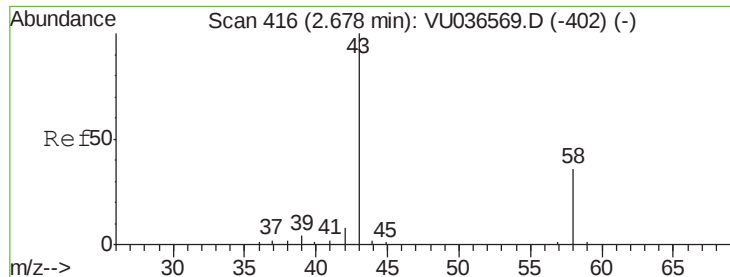
Acq: 27 Jan 2020 14:24

Tgt Ion:	96	Resp:	2850
Ion	Ratio	Lower	Upper
96	100		
61	231.9	108.2	201.0#
63	973.1	72.0	133.8#



Abundance Ion 96.00 (95.70 to 96.70): VUC
Ion 61.05 (60.75 to 61.75): VUC
Ion 63.00 (62.70 to 63.70): VUC





#13

Acetone

Concen: 5.303 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 43 Resp: 7073

Ion Ratio Lower Upper

43 100

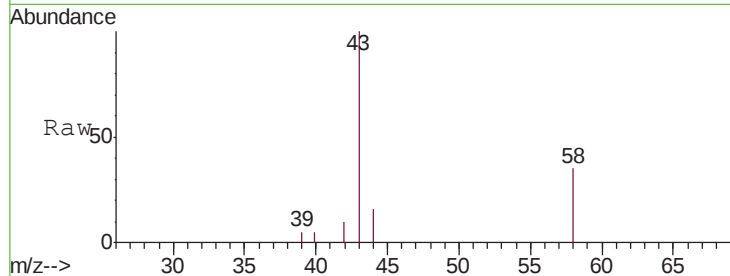
58 34.6 0.0 74.0

Manual Integrations

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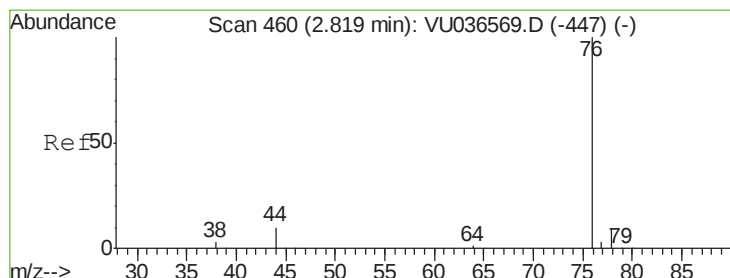
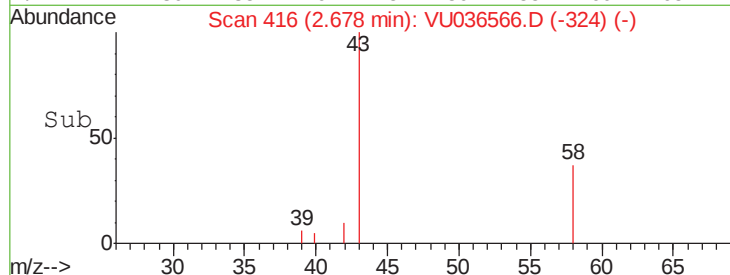
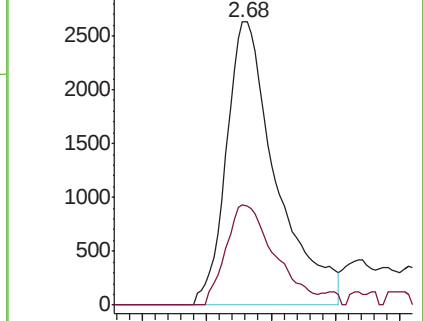
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Abundance Ion 43.05 (42.75 to 43.75): VU036566.D (-324) (-)

Ion 58.05 (57.75 to 58.75): VU036566.D (-324) (-)



#14

Carbon disulfide

Concen: 0.285 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036566.D

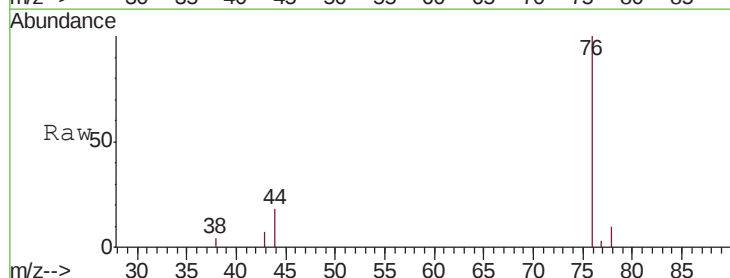
Acq: 27 Jan 2020 14:24

Tgt Ion: 76 Resp: 7912

Ion Ratio Lower Upper

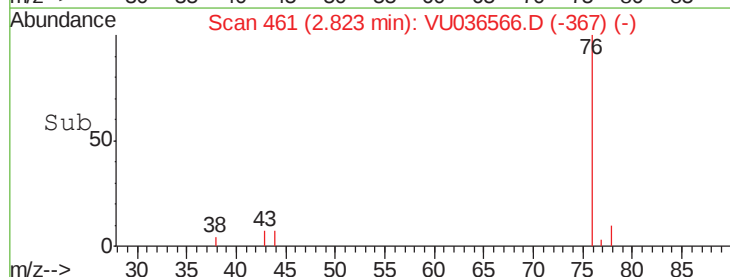
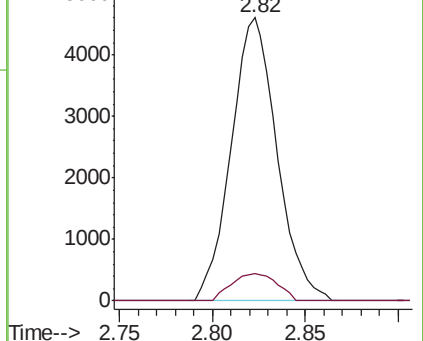
76 100

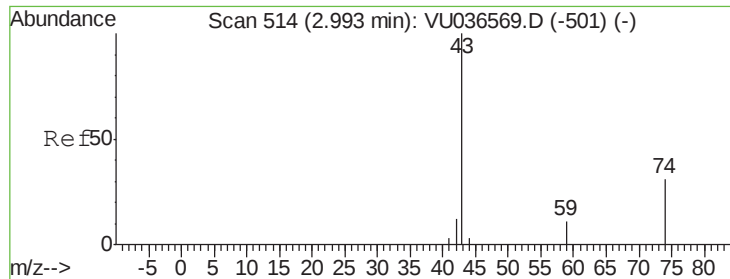
78 9.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU036566.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036566.D (-367) (-)





#15

Methyl Acetate

Concen: 0.285 ug/L

RT: 3.00 min Scan# 515

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 43 Resp: 971

Ion Ratio Lower Upper

43 100

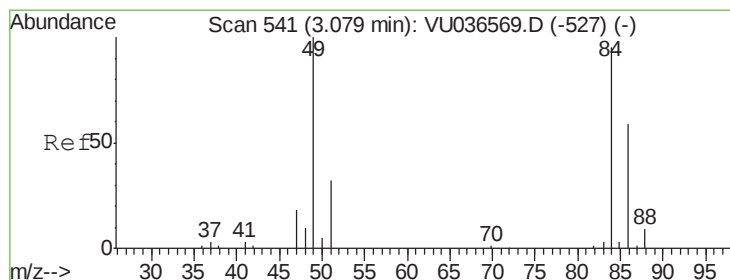
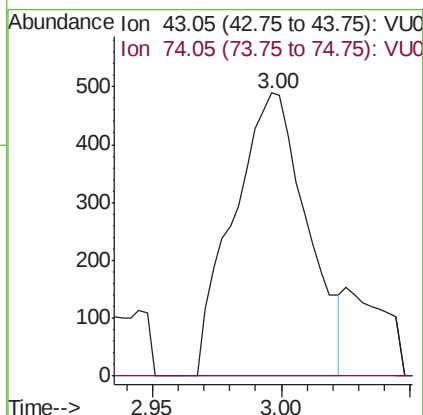
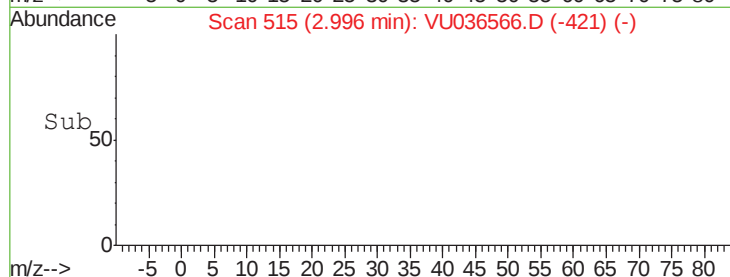
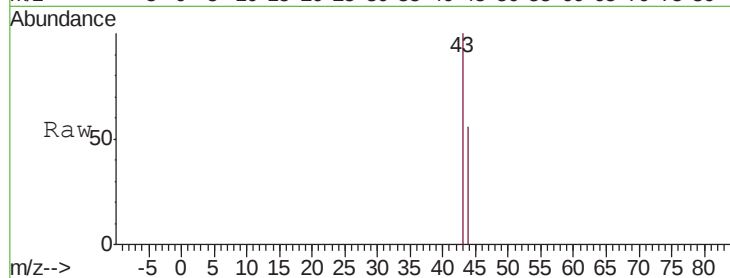
74 0.0 22.7 34.1#

Manual Integrations

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#16

Methylene chloride

Concen: 0.420 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

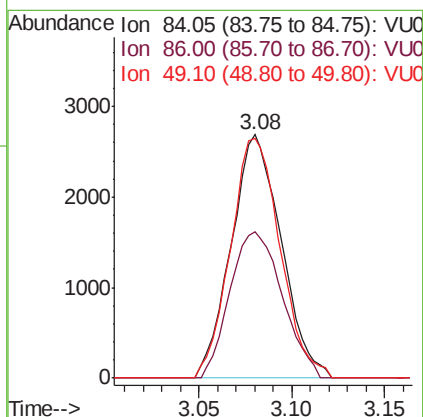
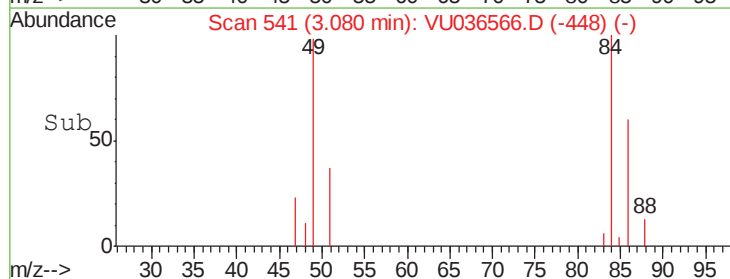
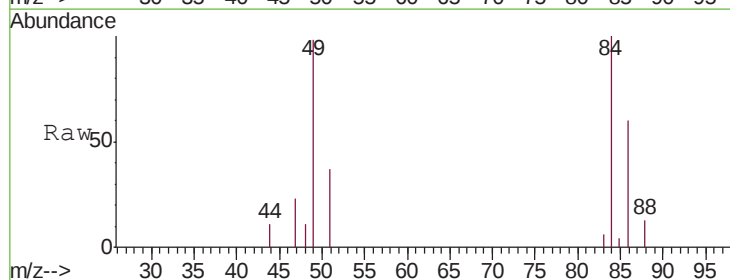
Tgt Ion: 84 Resp: 5044

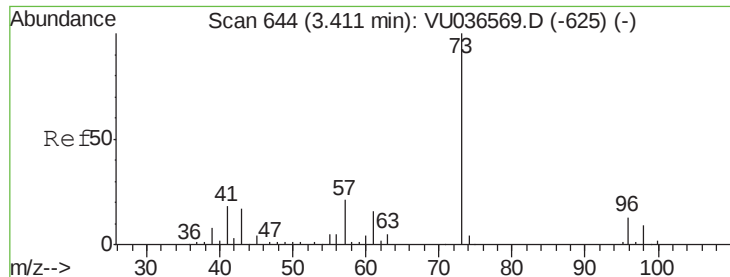
Ion Ratio Lower Upper

84 100

86 59.9 44.8 83.2

49 98.5 74.8 139.0





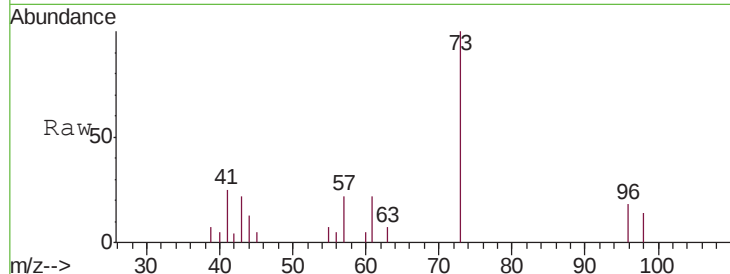
#17
Methyl tert-butyl Ether
Concen: 0.272 ug/L
RT: 3.41 min Scan# 644
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

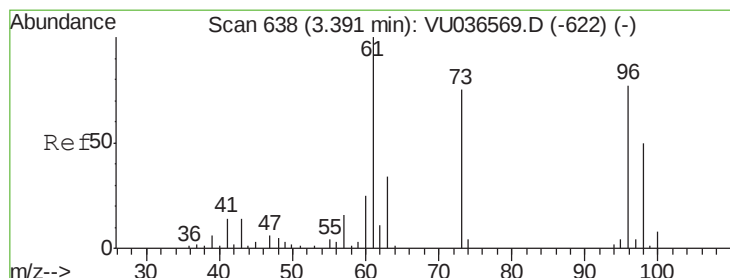
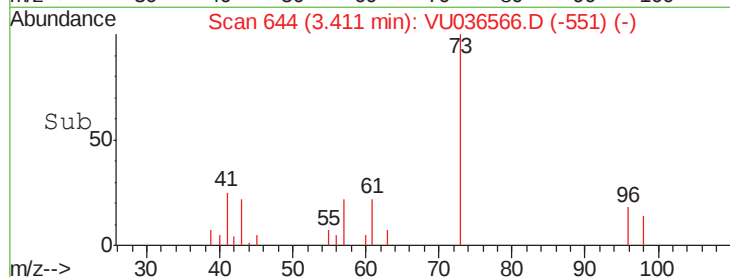
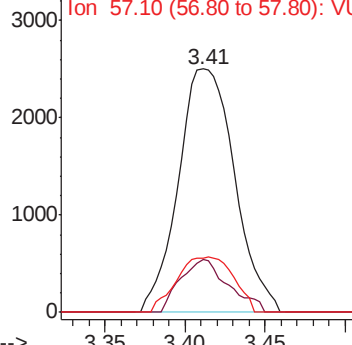
Tgt Ion: 73 Resp: 6030
Ion Ratio Lower Upper
73 100
43 18.5 14.6 21.8
57 22.8 17.0 25.6

Manual Integrations
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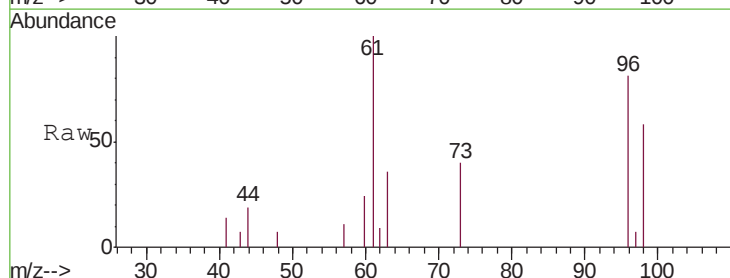


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

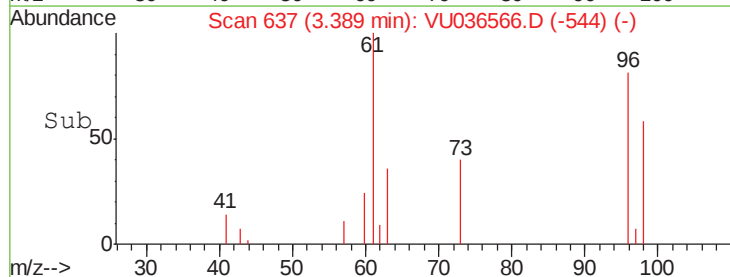
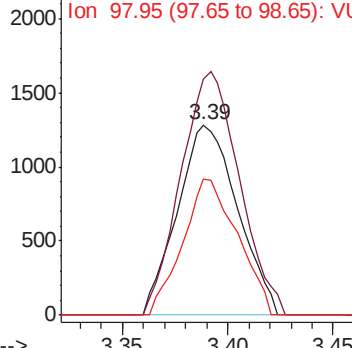


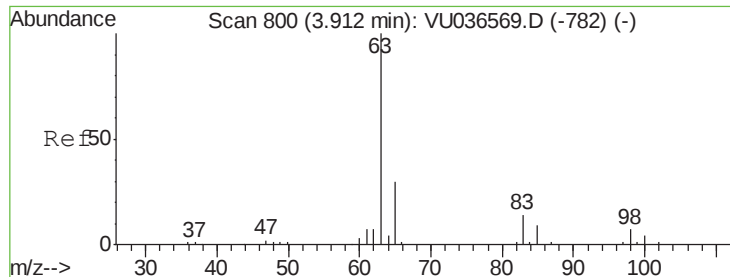
#18
trans-1,2-Dichloroethene
Concen: 0.268 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 96 Resp: 2541
Ion Ratio Lower Upper
96 100
61 124.1 93.1 172.9
98 71.5 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.269 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

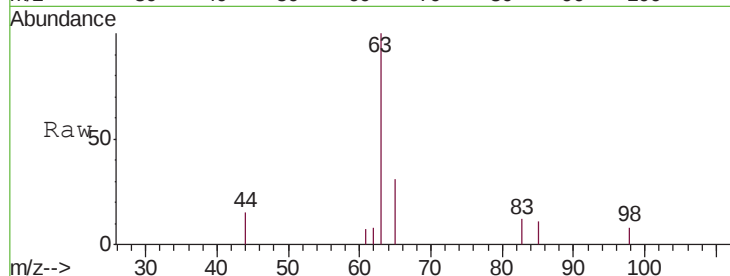
MDL05

Tgt Ion: 63 Resp: 4453

Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.8	40.6
83	11.8	9.8	18.2

Manual Integrations
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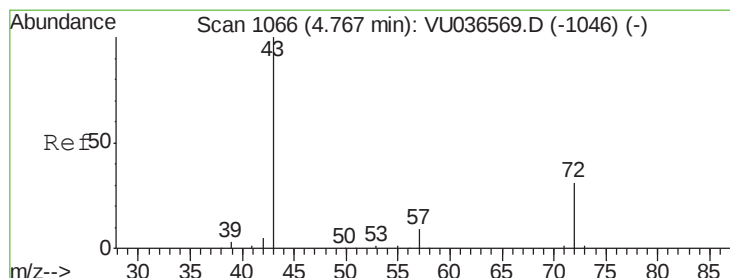
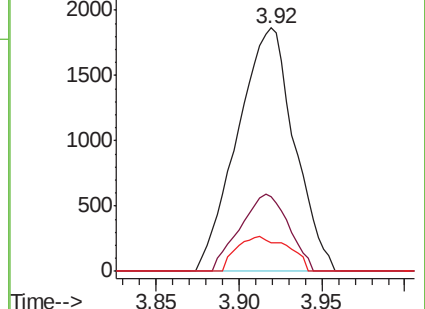
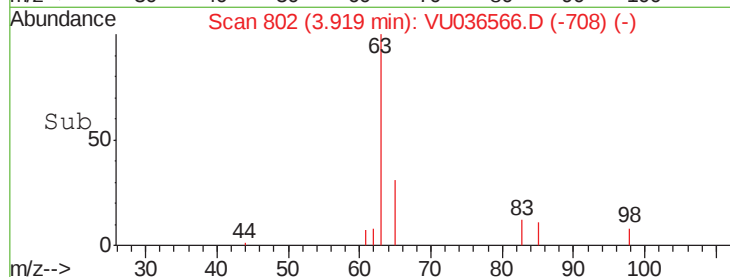


Abundance Ion 63.10 (62.80 to 63.80): VU036569.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036569.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036569.D (-782) (-)

Time-->



#21

2-Butanone

Concen: 3.186 ug/L

RT: 4.77 min Scan# 1067

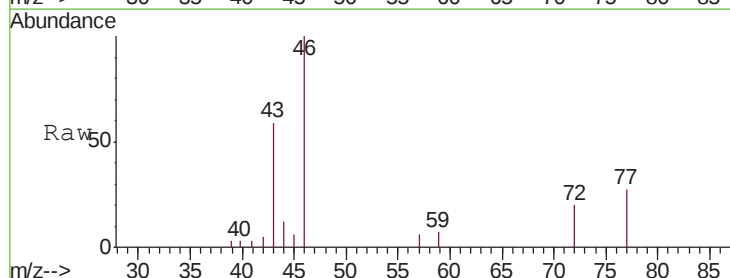
Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion: 43 Resp: 6871

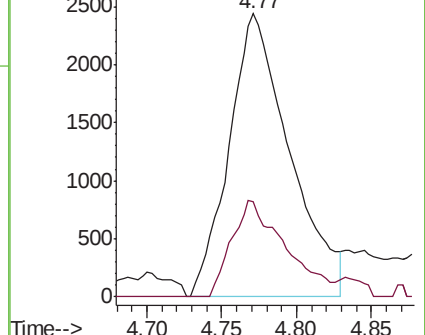
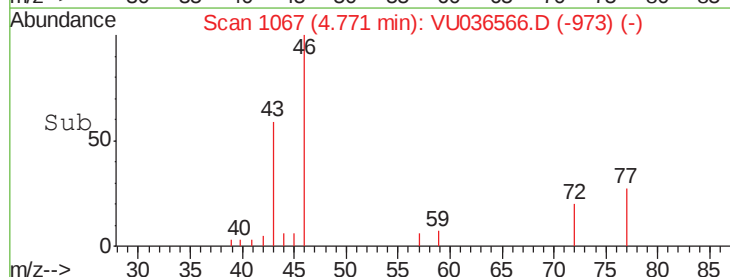
Ion	Ratio	Lower	Upper
43	100		
72	30.0	15.4	46.4

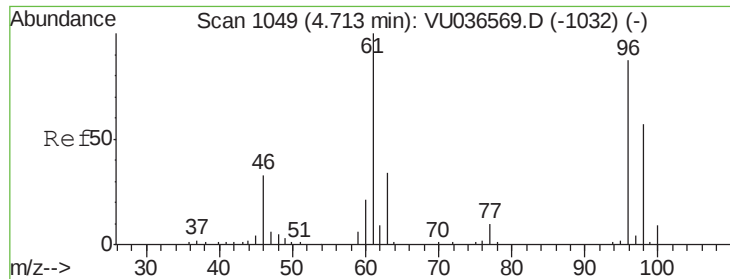


Abundance Ion 43.05 (42.75 to 43.75): VU036569.D (-1046) (-)

Ion 72.10 (71.80 to 72.80): VU036569.D (-1046) (-)

Time-->





#22

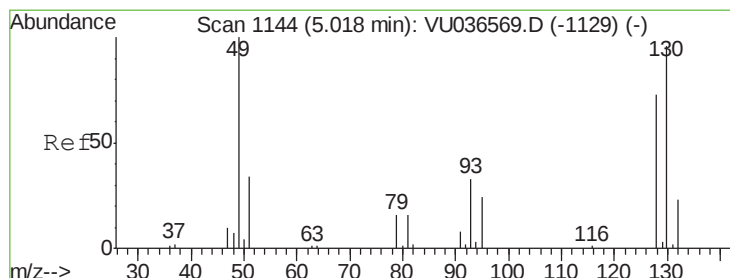
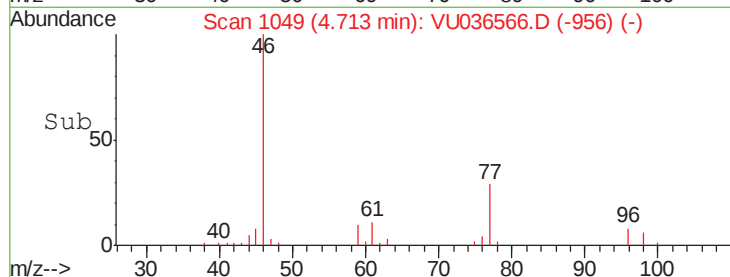
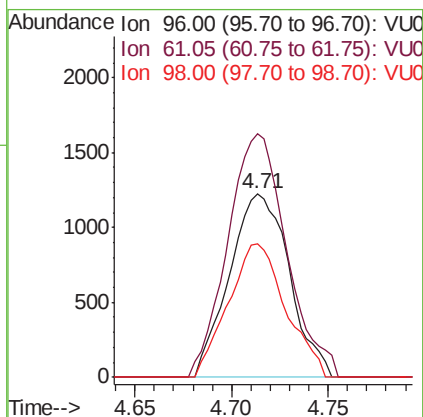
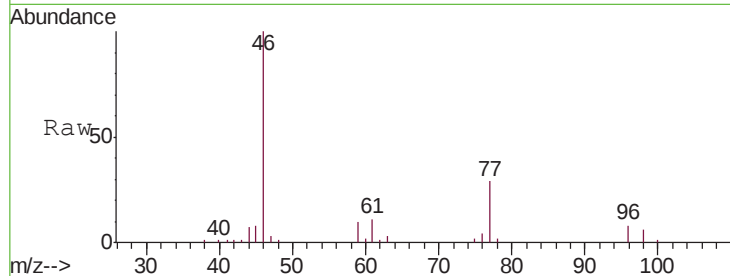
cis-1,2-Dichloroethene
Concen: 0.250 ug/L
RT: 4.71 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 96 Resp: 2640
Ion Ratio Lower Upper
96 100
61 132.4 83.0 154.1
98 72.5 43.8 81.3

Manual Integrations
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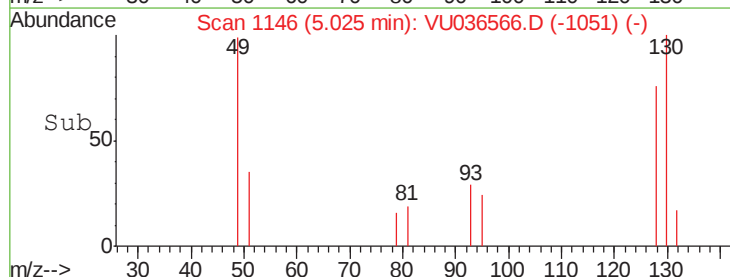
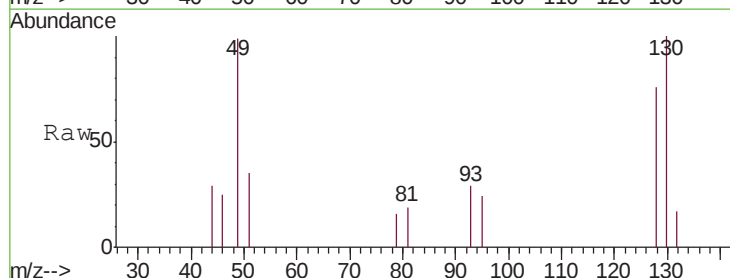
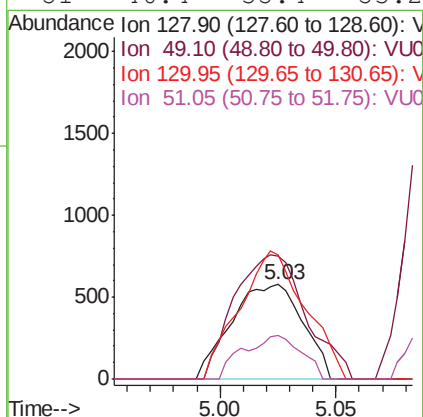
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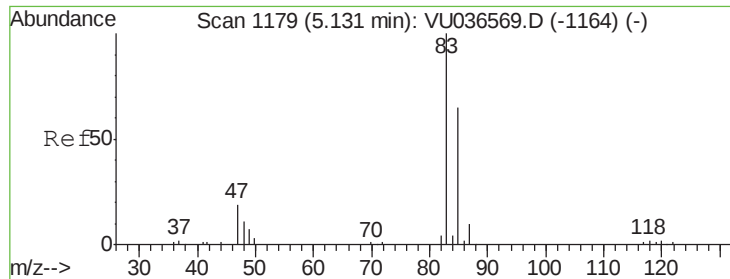


#23

Bromochloromethane
Concen: 0.278 ug/L
RT: 5.03 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 128 Resp: 1238
Ion Ratio Lower Upper
128 100
49 130.3 98.6 183.2
130 131.7 89.1 165.5
51 46.4 35.4 53.2





#25

Chloroform

Concen: 0.306 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 83 Resp: 5041

Ion Ratio Lower Upper

83 100

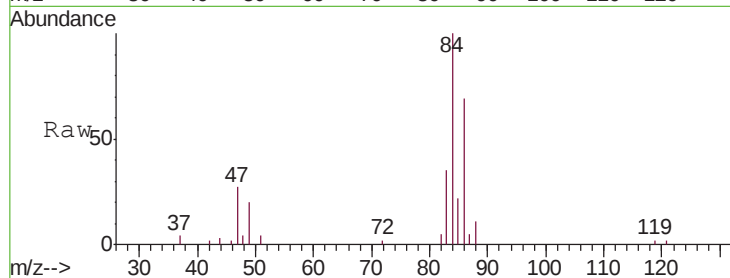
85 63.2 45.7 84.9

Manual Integrations

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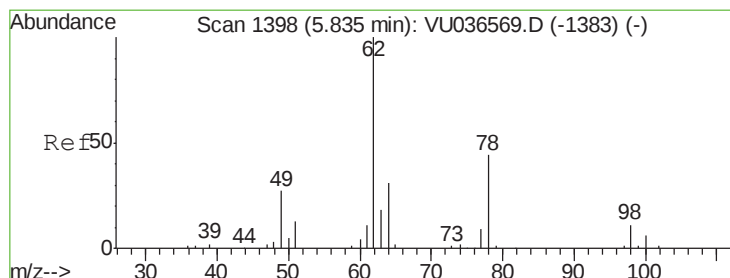
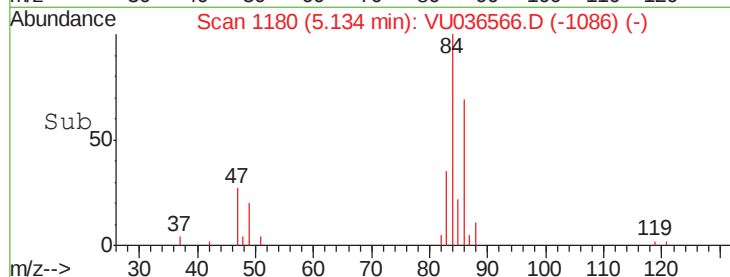
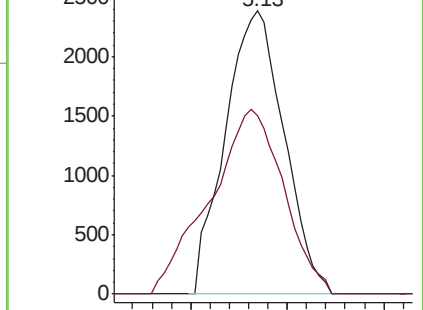
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Abundance Ion 83.05 (82.75 to 83.75): VU036569.D (-1164) (-)

Ion 85.00 (84.70 to 85.70): VU036569.D (-1164) (-)



#27

1,2-Dichloroethane

Concen: 0.278 ug/L

RT: 5.84 min Scan# 1399

Delta R.T. 0.00 min

Lab File: VU036566.D

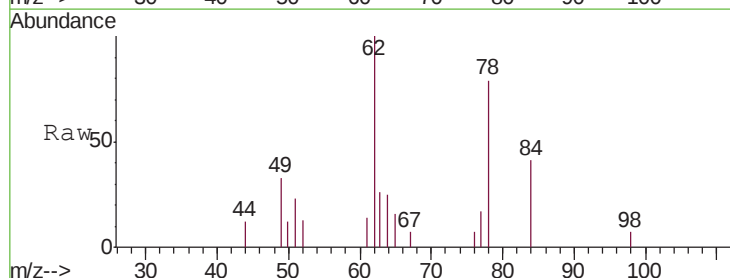
Acq: 27 Jan 2020 14:24

Tgt Ion: 62 Resp: 2879

Ion Ratio Lower Upper

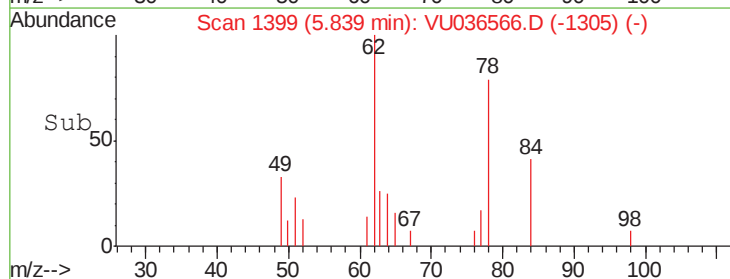
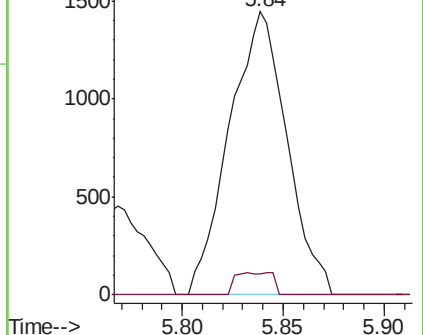
62 100

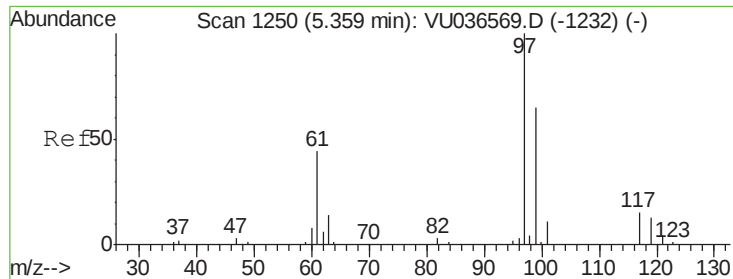
98 7.4 8.5 12.7#



Abundance Ion 62.00 (61.70 to 62.70): VU036569.D (-1383) (-)

Ion 98.05 (97.75 to 98.75): VU036569.D (-1383) (-)





#29

1,1,1-Trichloroethane

Concen: 0.238 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 97 Resp: 3302

Ion Ratio Lower Upper

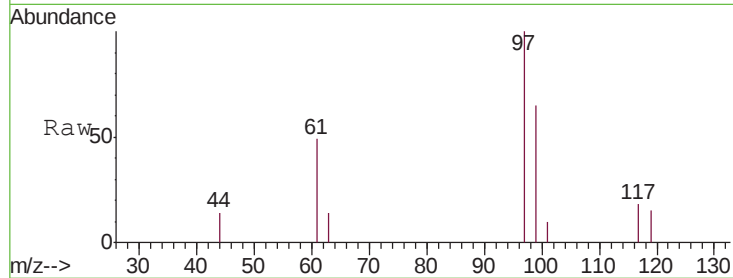
97 100

99 68.7 52.0 78.0

61 44.5 35.6 53.4

Manual Integrations
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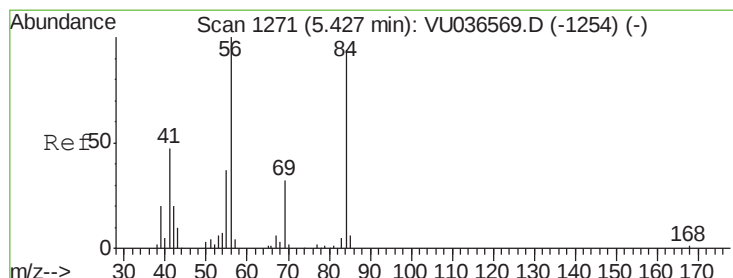
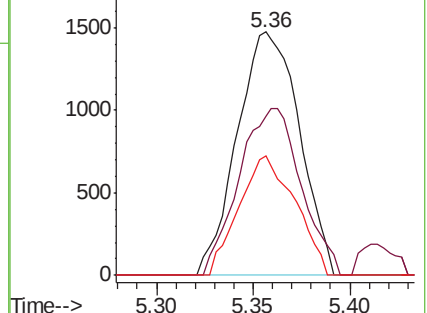
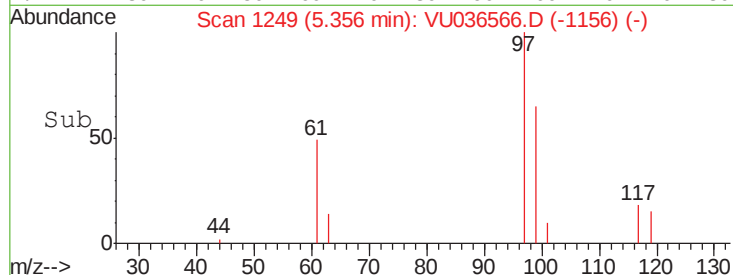
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Abundance Ion 96.95 (96.65 to 97.65): VU036566.D (-1156) (-)

Ion 99.05 (98.75 to 99.75): VU036566.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036566.D (-1156) (-)



#30

Cyclohexane

Concen: 0.258 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

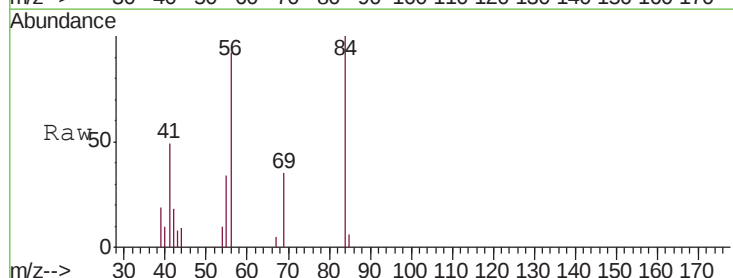
Tgt Ion: 56 Resp: 4087

Ion Ratio Lower Upper

56 100

69 31.2 25.7 38.5

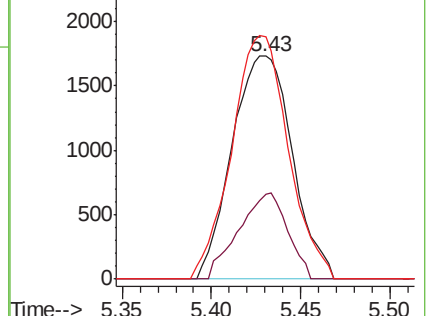
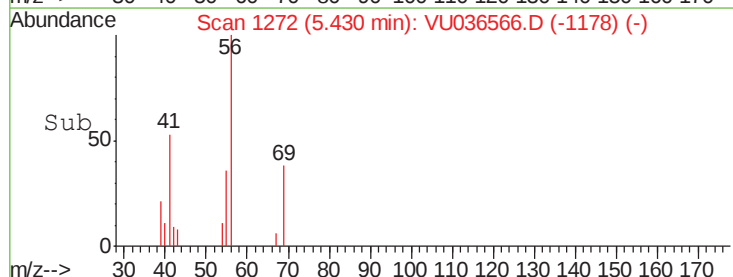
84 102.4 75.3 112.9

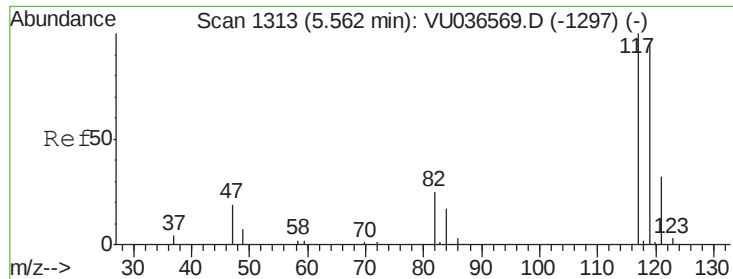


Abundance Ion 56.10 (55.80 to 56.80): VU036566.D (-1178) (-)

Ion 69.15 (68.85 to 69.85): VU036566.D (-1178) (-)

Ion 84.15 (83.85 to 84.85): VU036566.D (-1178) (-)





#31

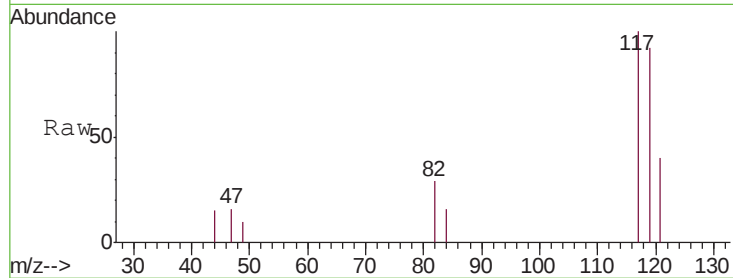
Carbon tetrachloride
Concen: 0.259 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

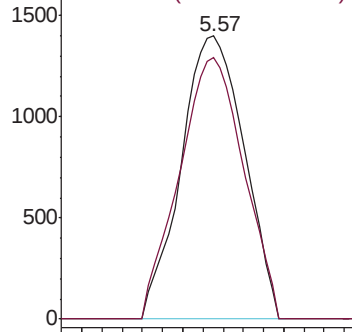
Tgt Ion: 117 Resp: 3050
Ion Ratio Lower Upper
117 100
119 94.3 76.3 114.5

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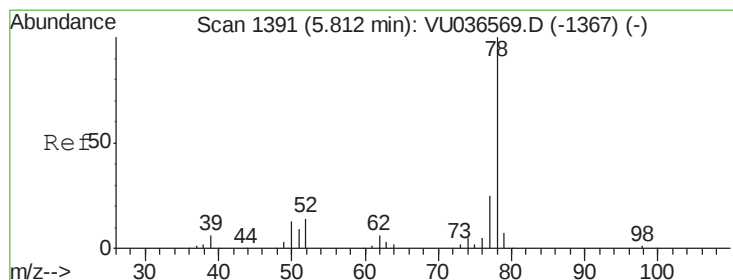
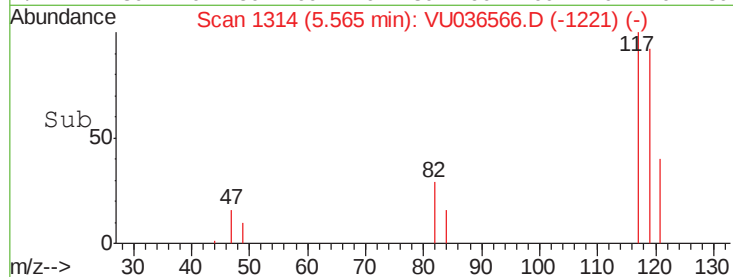
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



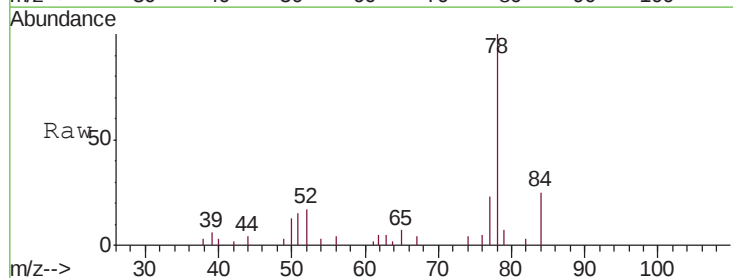
Time-->



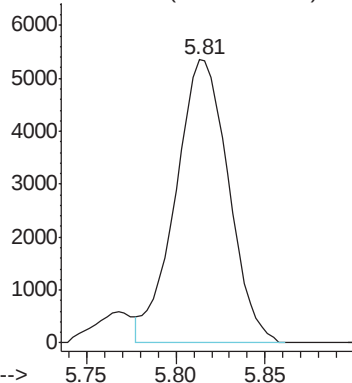
#33

Benzene
Concen: 0.283 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

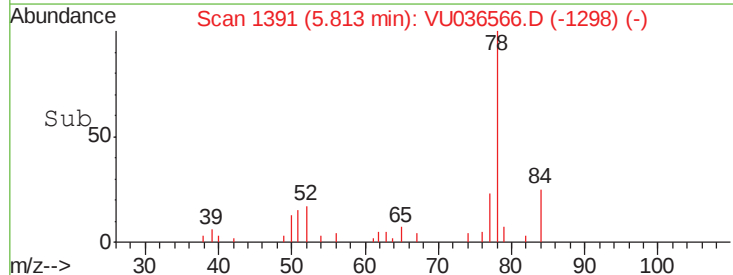
Tgt Ion: 78 Resp: 11051

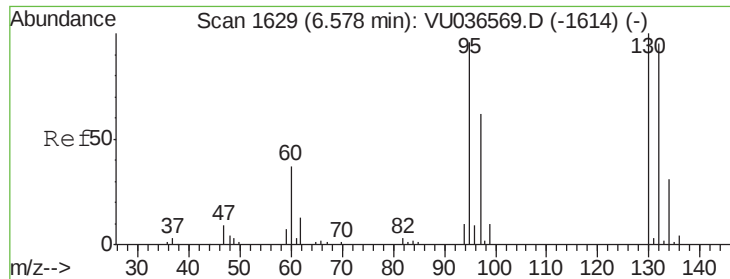


Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->





#34

Trichloroethene

Concen: 0.271 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 95 Resp: 2808

Ion Ratio Lower Upper

95 100

97 60.7 45.6 84.8

132 86.8 67.7 125.7

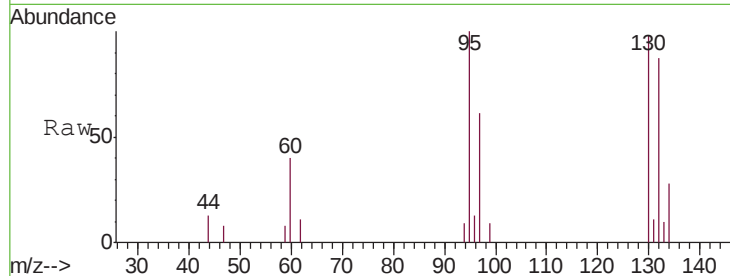
130 98.1 72.2 134.2

Manual Integrations

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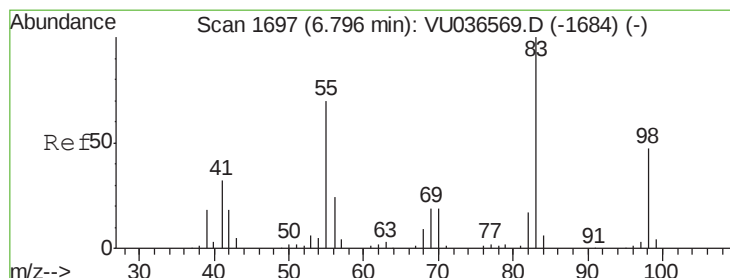
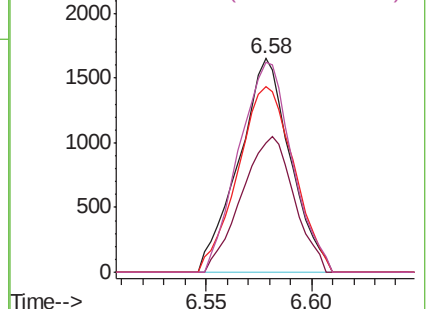
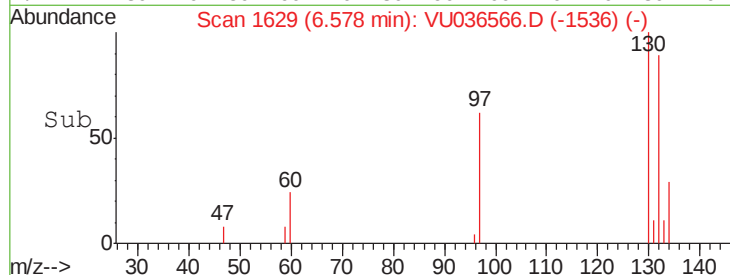


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.280 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

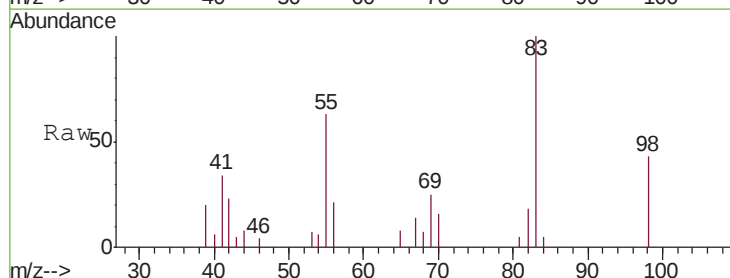
Tgt Ion: 83 Resp: 4976

Ion Ratio Lower Upper

83 100

55 65.4 56.9 85.3

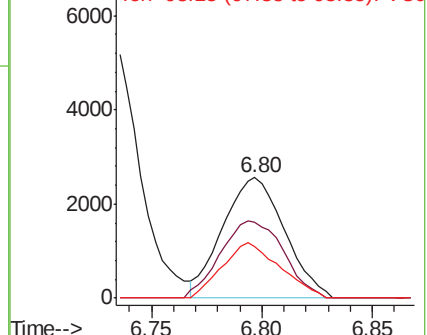
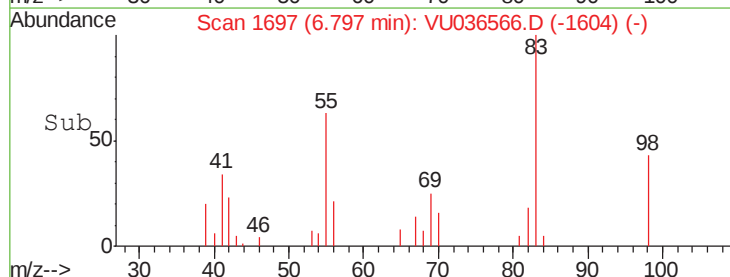
98 43.1 36.9 55.3

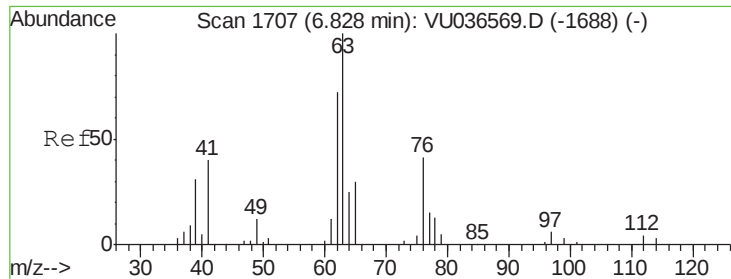


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





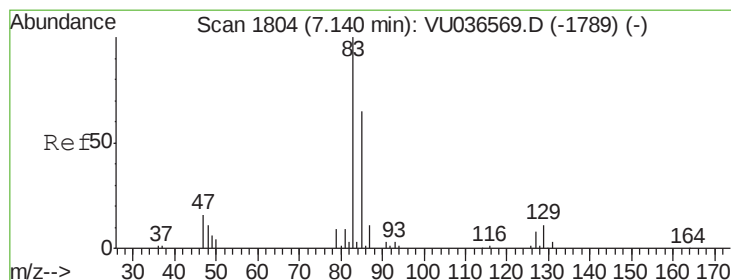
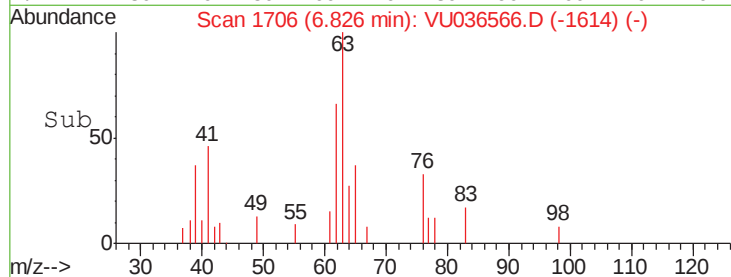
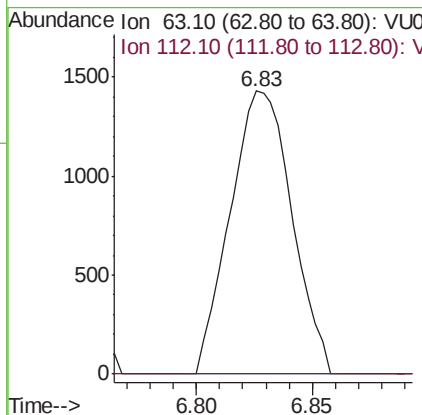
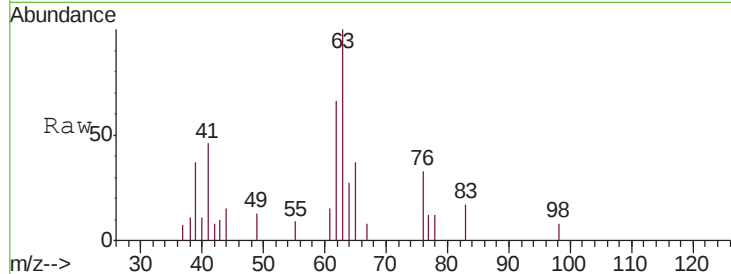
#37
1,2-Dichloropropane
Concen: 0.271 ug/L
RT: 6.83 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 63 Resp: 2634
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#

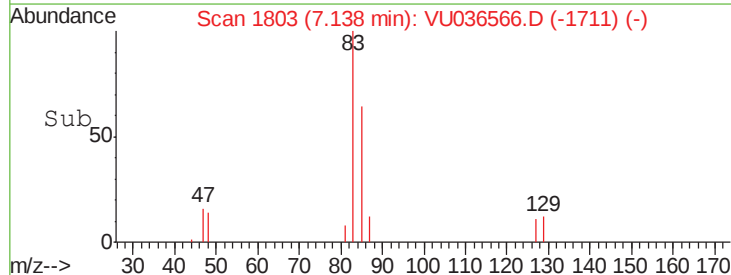
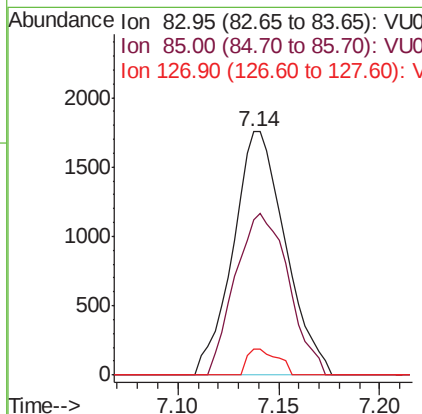
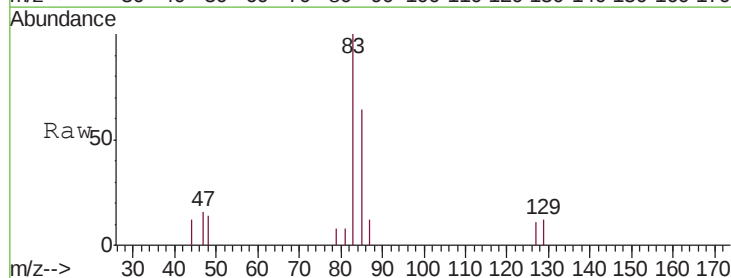
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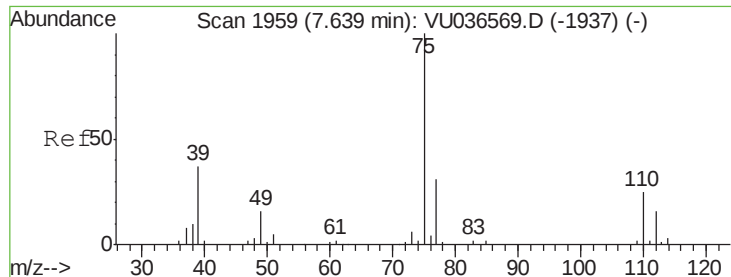
MMDadoda
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#38
Bromodichloromethane
Concen: 0.267 ug/L
RT: 7.14 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 83 Resp: 3177
Ion Ratio Lower Upper
83 100
85 63.9 44.7 82.9
127 10.6 7.2 10.8





#39

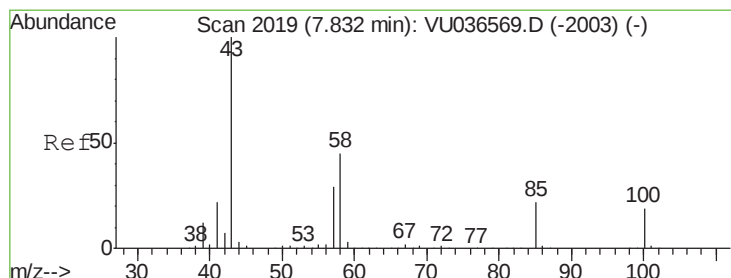
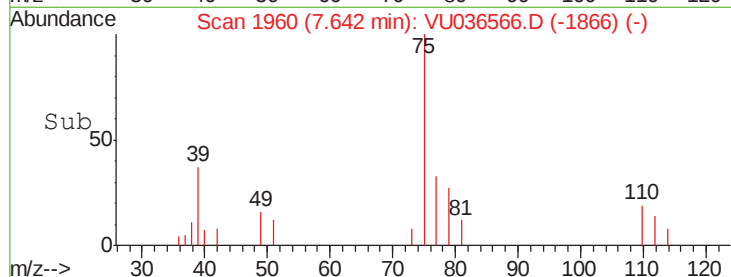
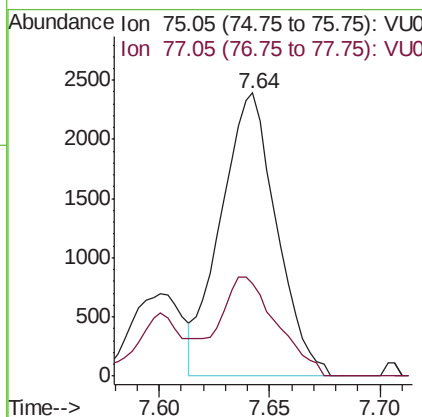
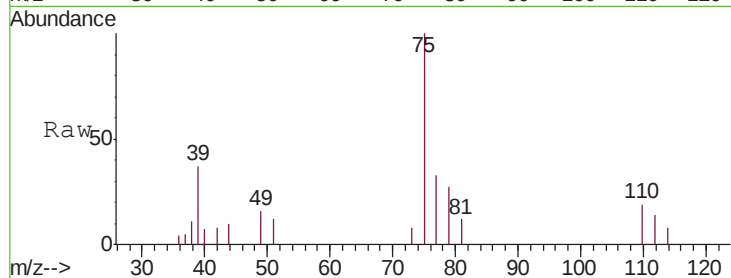
cis-1,3-Dichloropropene
Concen: 0.280 ug/L
RT: 7.64 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

Tgt Ion: 75 Resp: 4205
Ion Ratio Lower Upper
75 100
77 32.7 22.3 41.5

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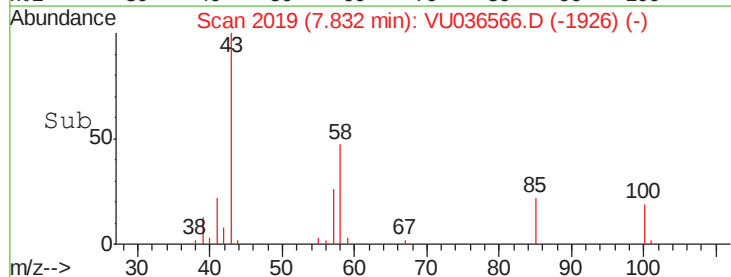
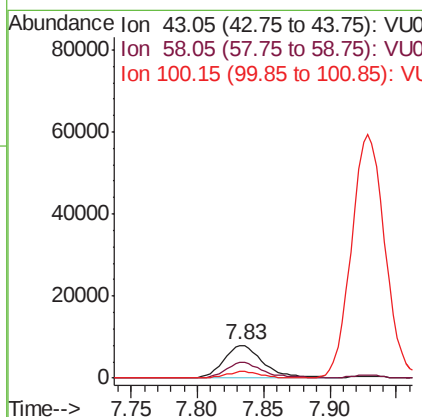
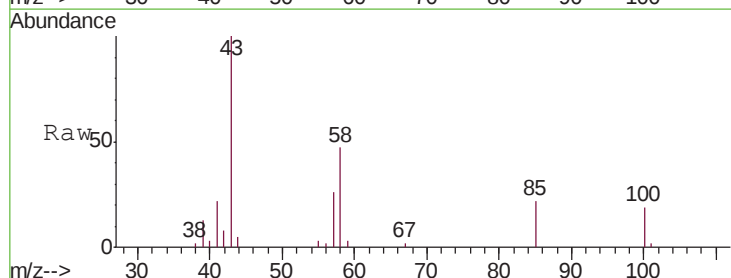
MMDadoda
2/14/2020 12:23:19 PM

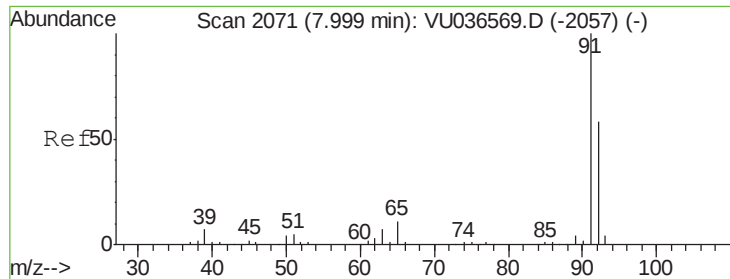


#40

4-Methyl-2-pentanone
Concen: 3.043 ug/L
RT: 7.83 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 43 Resp: 16646
Ion Ratio Lower Upper
43 100
58 45.3 35.6 53.4
100 0.0 14.9 22.3#





#42

Toluene

Concen: 0.298 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion: 91 Resp: 12858

Ion Ratio Lower Upper

91 100

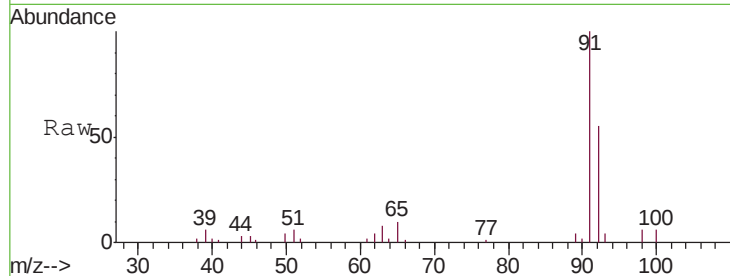
92 55.4 40.6 75.4

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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

8000

6000

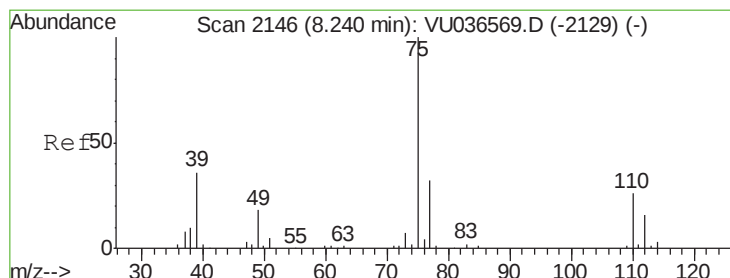
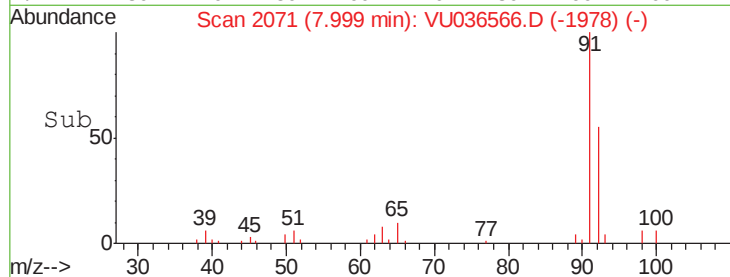
4000

2000

0

7.95 8.00 8.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.264 ug/L m

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036566.D

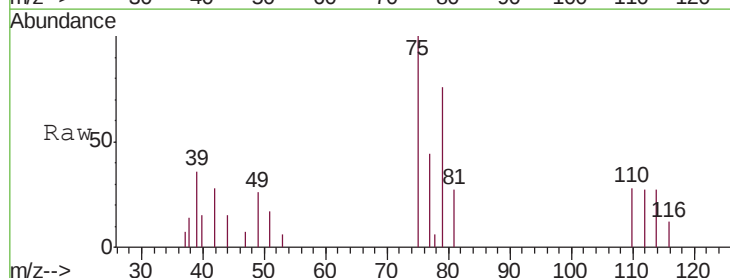
Acq: 27 Jan 2020 14:24

Tgt Ion: 75 Resp: 3043

Ion Ratio Lower Upper

75 100

77 44.0 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

2000

1500

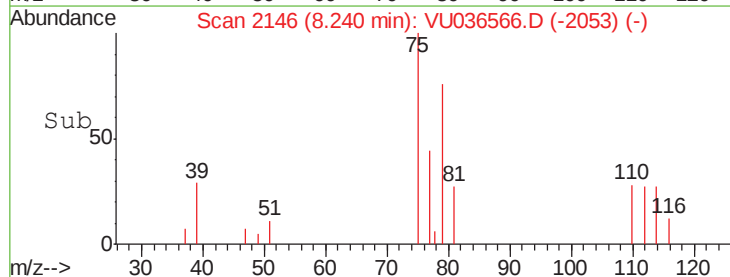
1000

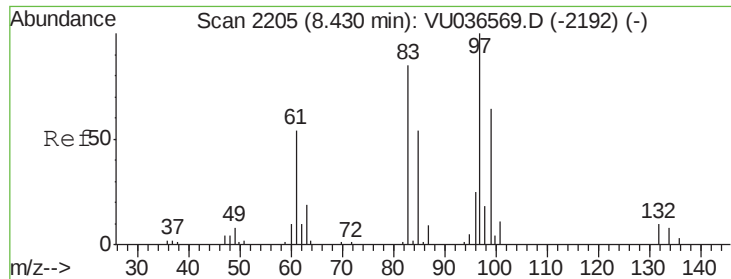
500

0

8.20 8.25 8.30

Time-->





#45

1,1,2-Trichloroethane

Concen: 0.280 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 97 Resp: 2014

Ion Ratio Lower Upper

97 100

99 64.7 42.1 78.3

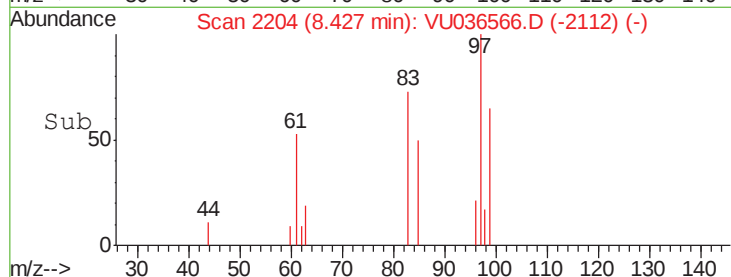
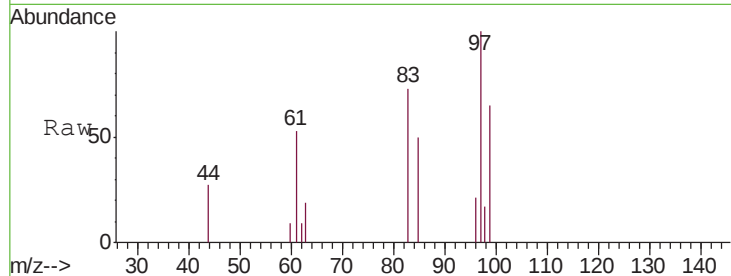
83 73.4 58.4 108.6

85 49.8 39.6 73.6

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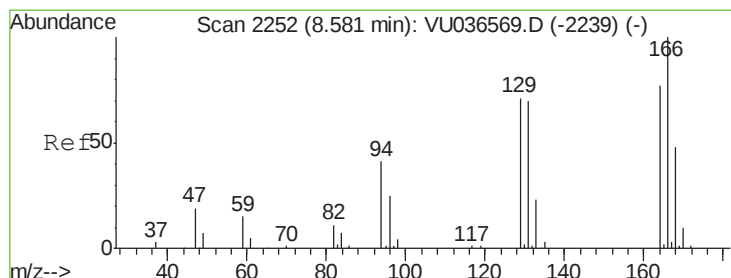
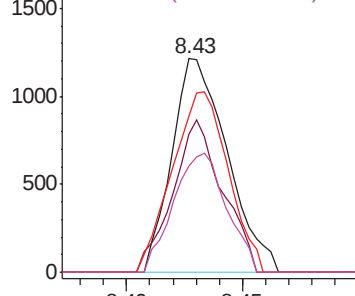


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 0.286 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion: 164 Resp: 2413

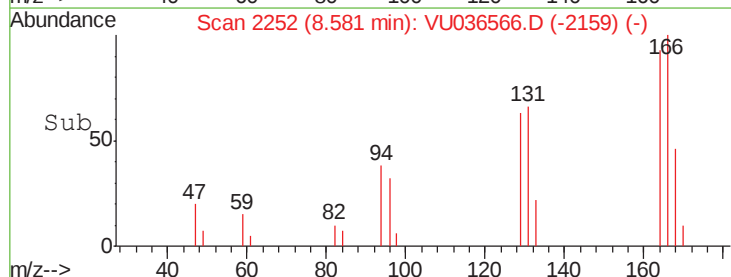
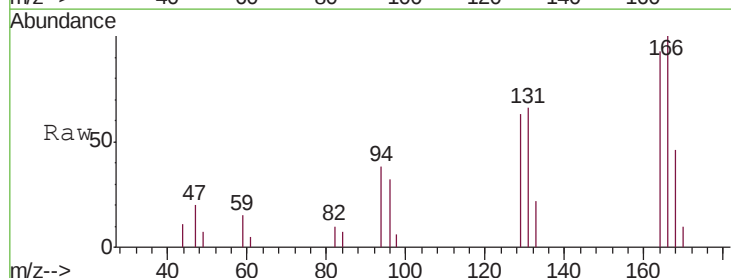
Ion Ratio Lower Upper

164 100

129 68.1 64.7 120.1

131 70.8 64.0 118.8

166 108.1 89.5 166.3

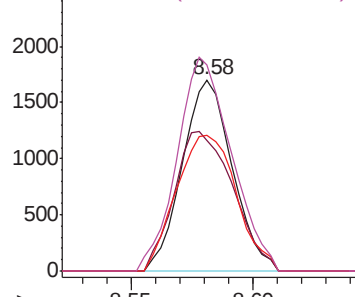


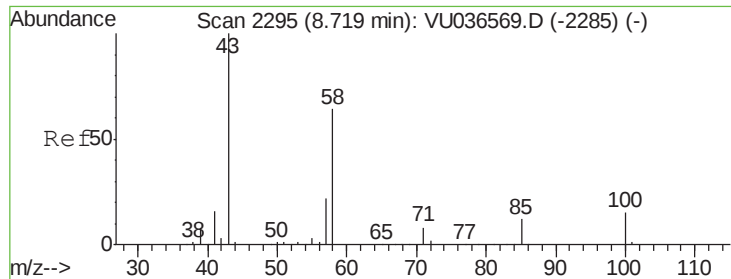
Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.017 ug/L

RT: 8.72 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU036566.D

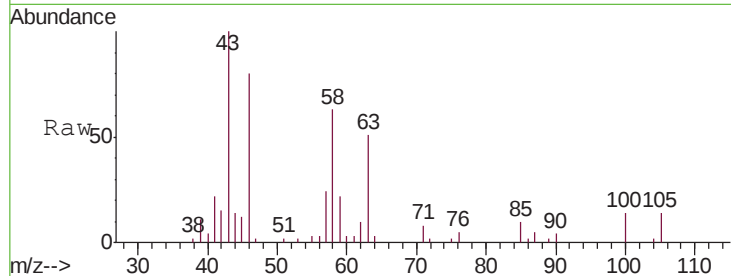
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

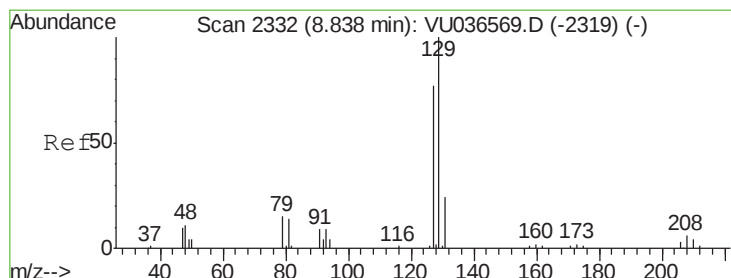
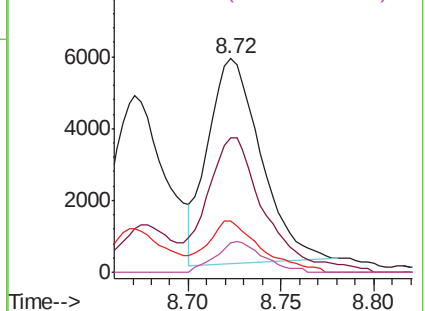
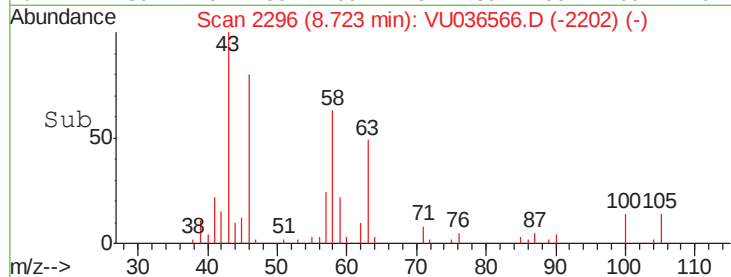
Tgt Ion:	43	Resp:	11385
Ion	Ratio	Lower	Upper
43	100		
58	72.9	50.2	75.2
57	25.0	17.5	26.3
100	13.3	11.5	17.3

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Abundance Ion 43.05 (42.75 to 43.75): VU036566.D (-2295) (-)



#49

Dibromochloromethane

Concen: 0.256 ug/L

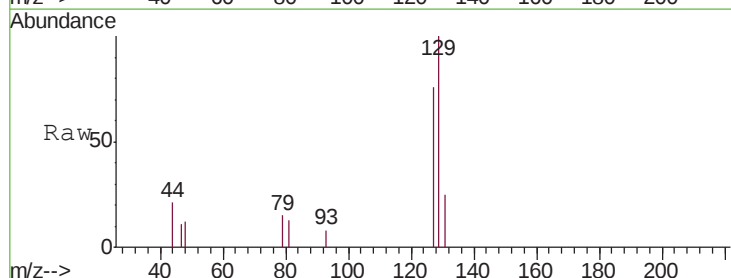
RT: 8.84 min Scan# 2333

Delta R.T. 0.00 min

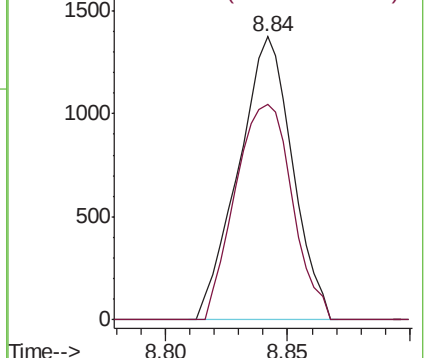
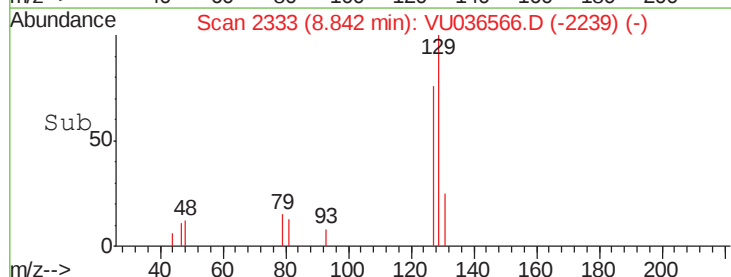
Lab File: VU036566.D

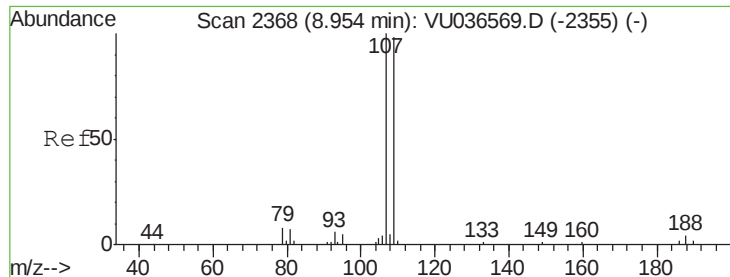
Acq: 27 Jan 2020 14:24

Tgt Ion:	129	Resp:	2106
Ion	Ratio	Lower	Upper
129	100		
127	76.1	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VU036566.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: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

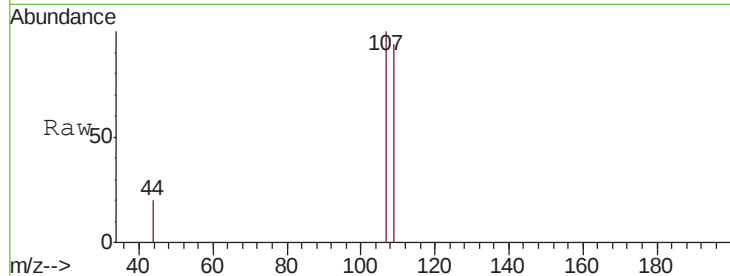
MDL05

Tgt Ion:107 Resp: 1876

Ion	Ratio	Lower	Upper
107	100		
109	94.0	64.5	119.9
188	0.0	2.8	4.2#

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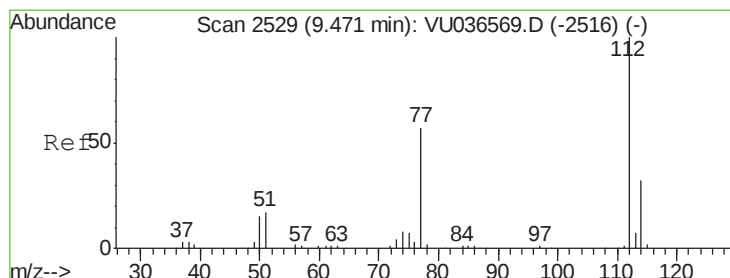
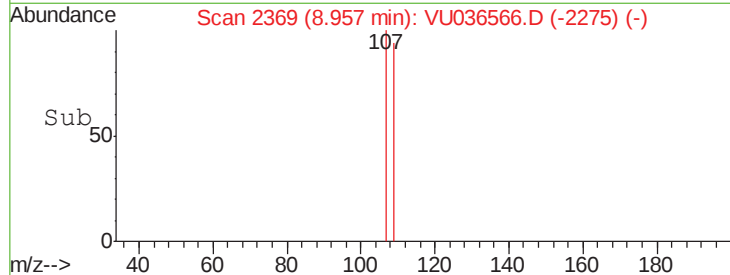
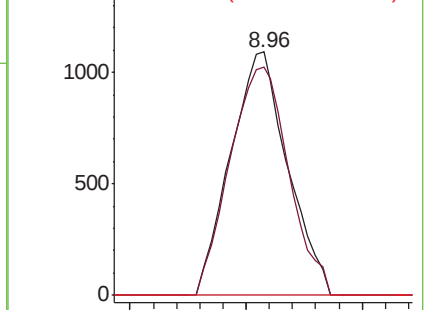


Abundance

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: 0.276 ug/L

RT: 9.48 min Scan# 2530

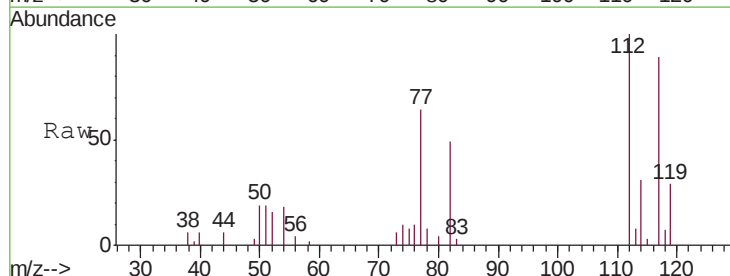
Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion:112 Resp: 7664

Ion	Ratio	Lower	Upper
112	100		
114	31.0	23.2	43.2
77	64.4	45.9	68.9

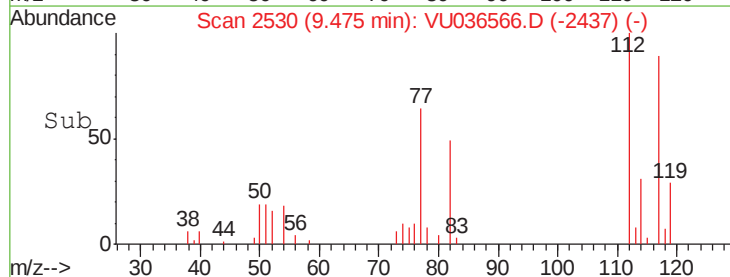
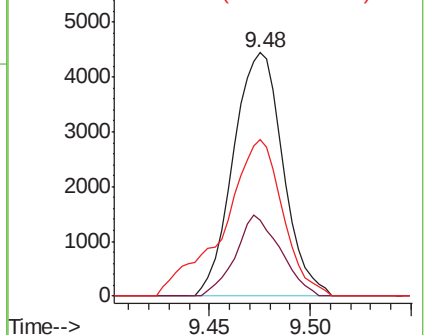


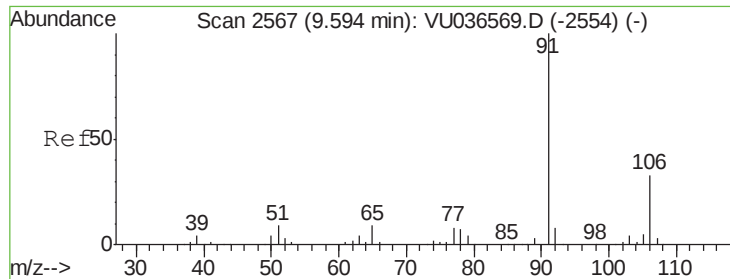
Abundance

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: 0.276 ug/L

RT: 9.60 min Scan# 2568

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

MDL05

Tgt Ion: 91 Resp: 12970

Ion Ratio Lower Upper

91 100

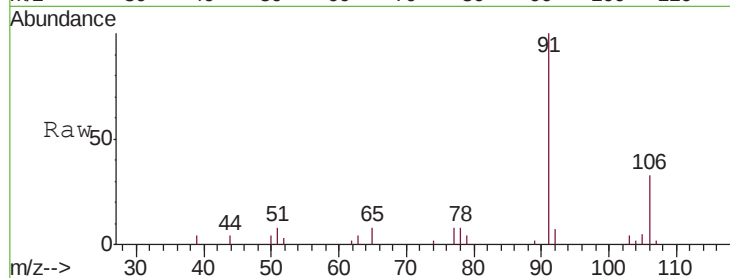
106 32.5 22.3 41.3

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Abundance Ion 91.15 (90.85 to 91.85): VU036569.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU036566.D (-2475) (-)

9.60

8000

6000

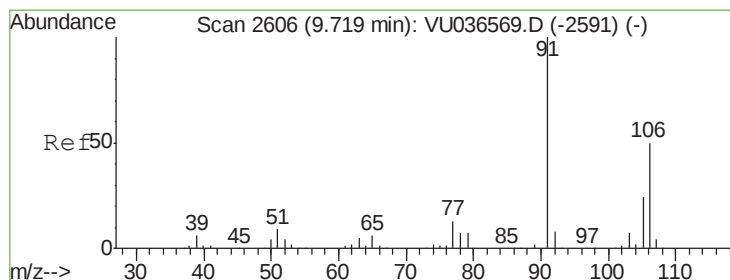
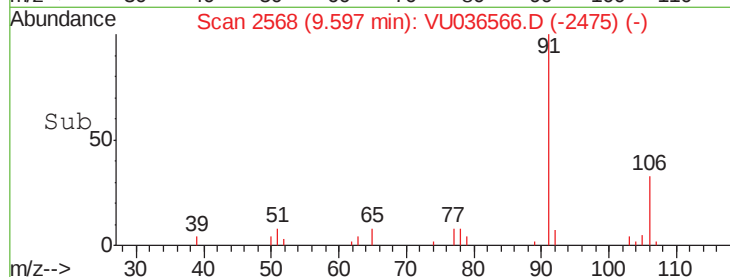
4000

2000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 0.285 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036566.D

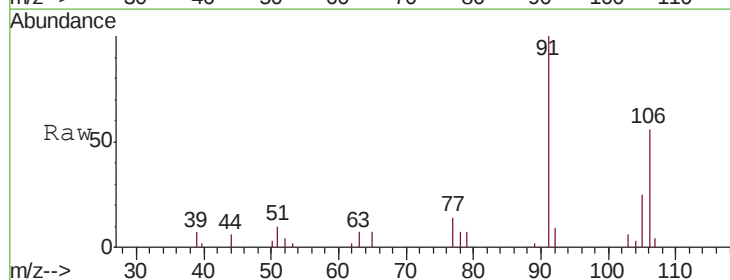
Acq: 27 Jan 2020 14:24

Tgt Ion: 106 Resp: 5200

Ion Ratio Lower Upper

106 100

91 177.9 141.4 262.6



Abundance Ion 106.15 (105.85 to 106.85): VU036566.D (-2513) (-)

Ion 91.15 (90.85 to 91.85): VU036569.D (-2591) (-)

9.72

6000

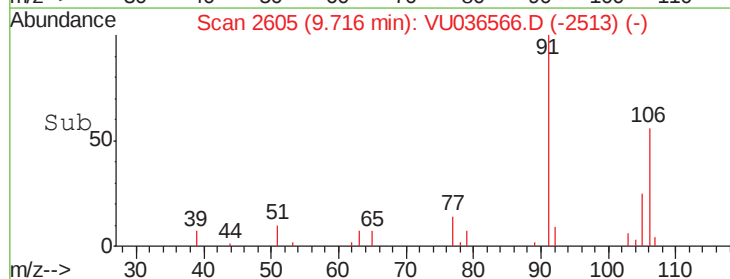
4000

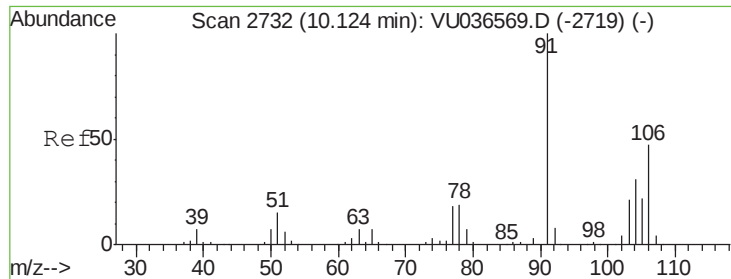
2000

0

9.65 9.70 9.75

Time-->





#54

o-Xylene

Concen: 0.277 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampled :

MDL05

Tgt Ion:106 Resp: 4951

Ion Ratio Lower Upper

106 100

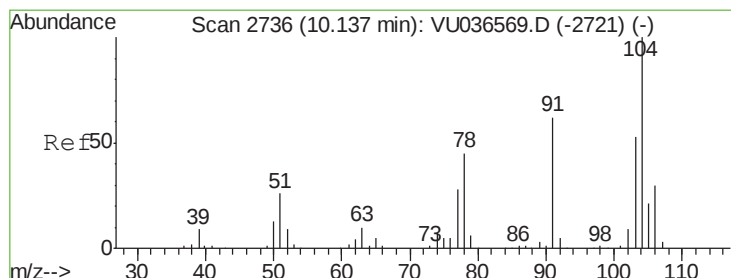
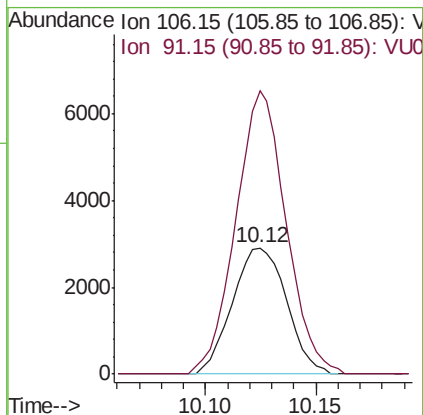
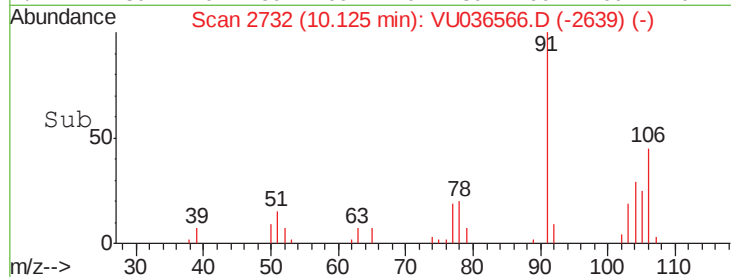
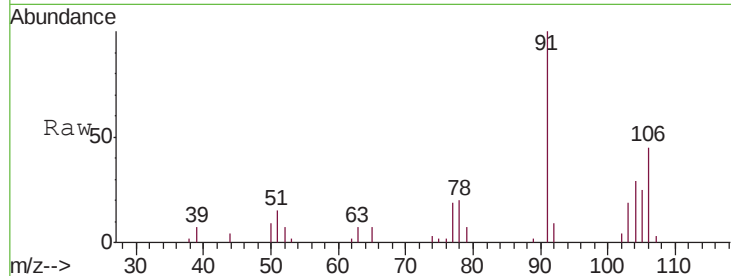
91 223.7 146.2 271.4

Manual Integrations

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#55

Styrene

Concen: 0.276 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VU036566.D

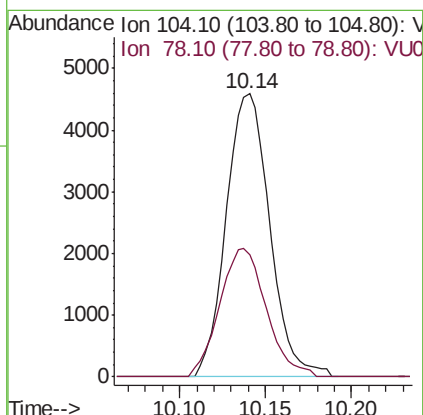
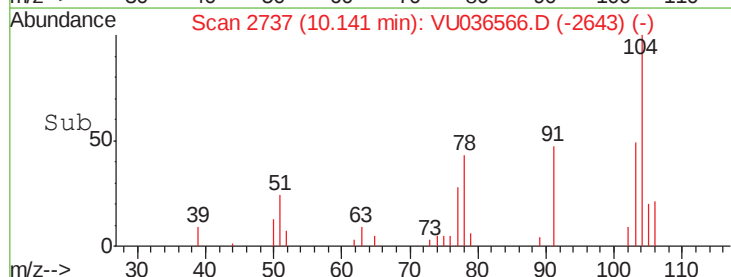
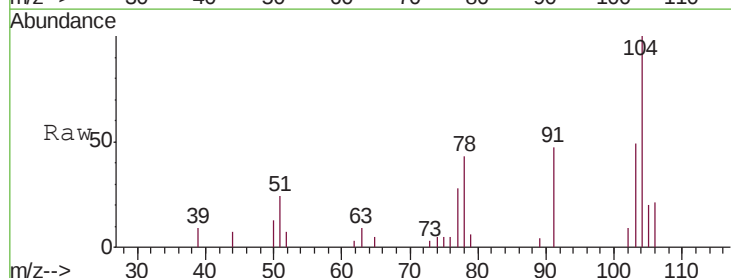
Acq: 27 Jan 2020 14:24

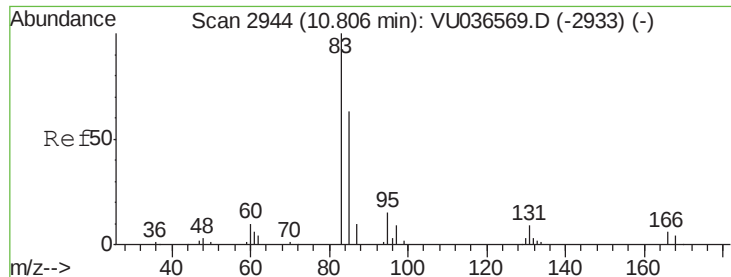
Tgt Ion:104 Resp: 8089

Ion Ratio Lower Upper

104 100

78 42.9 31.9 59.2





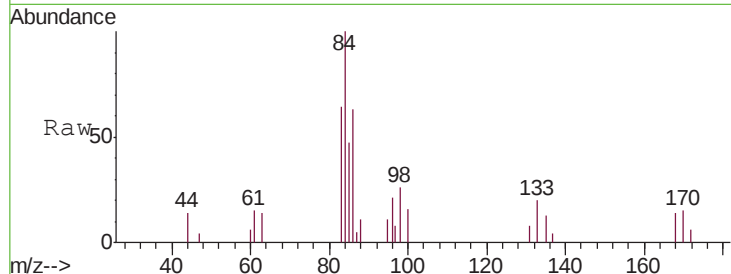
#57
1,1,2,2-Tetrachloroethane
Concen: 0.276 ug/L
RT: 10.81 min Scan# 2944
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

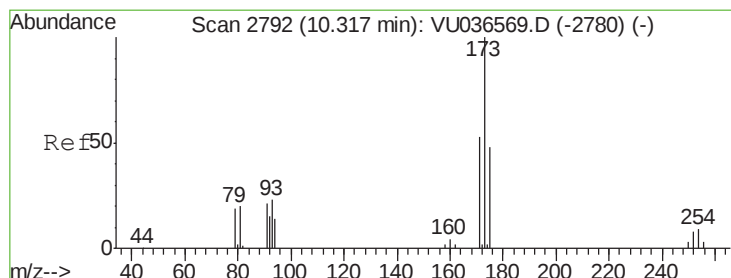
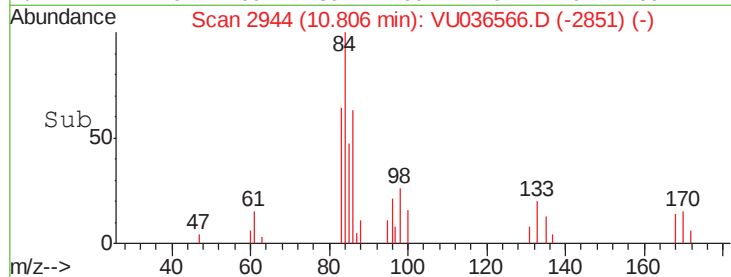
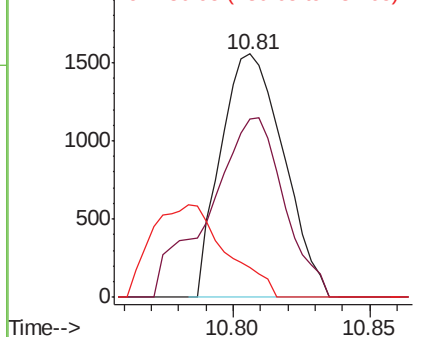
Tgt Ion: 83 Resp: 2488
Ion Ratio Lower Upper
83 100
85 73.4 47.0 87.4
131 12.1 8.1 12.1

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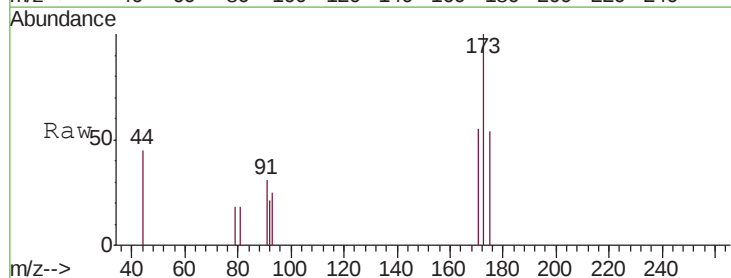


Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 130.95 (130.65 to 131.65): V

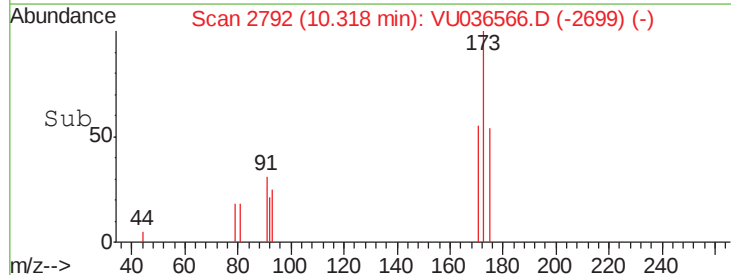
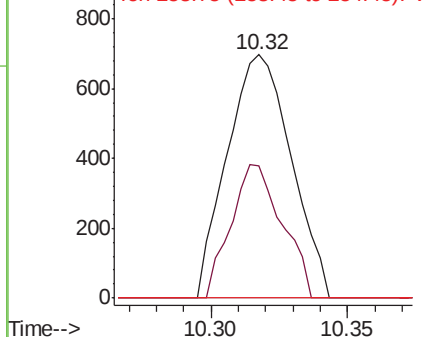


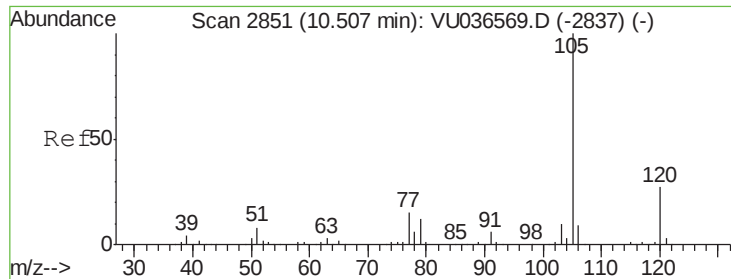
#59
Bromoform
Concen: 0.254 ug/L
RT: 10.32 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion: 173 Resp: 1136
Ion Ratio Lower Upper
173 100
175 43.9 39.0 58.4
254 0.0 6.3 9.5#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V





#60

Isopropylbenzene

Concen: 0.277 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

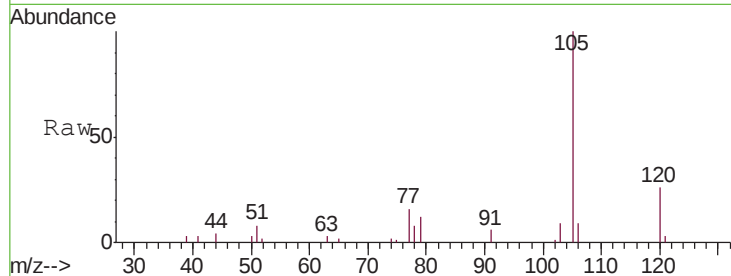
ClientSampleId :

MDL05

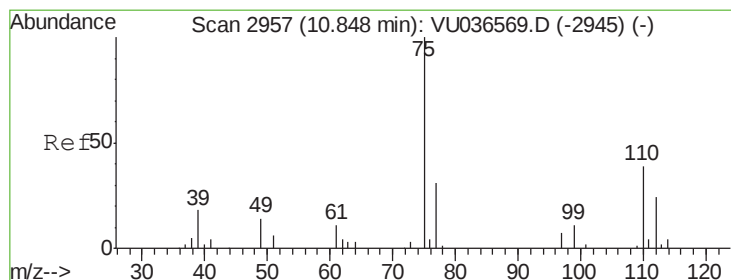
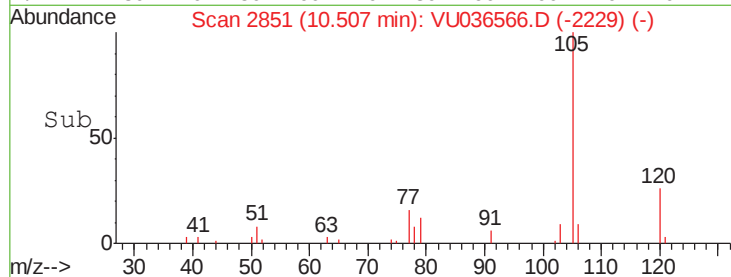
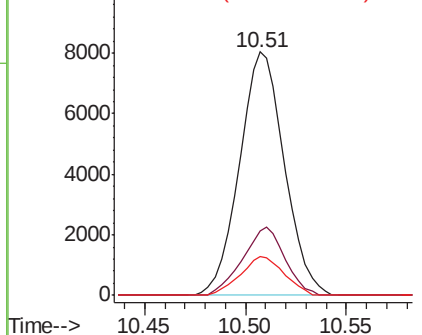
Tgt Ion:	105	Resp:	12510
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.5	32.3
77	15.5	12.2	18.2

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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): V



#61

1,2,3-Trichloropropane

Concen: 0.285 ug/L

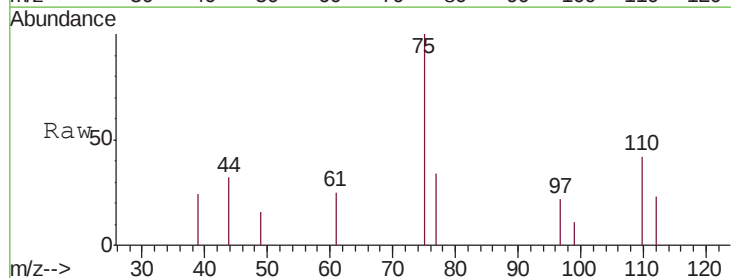
RT: 10.85 min Scan# 2958

Delta R.T. 0.00 min

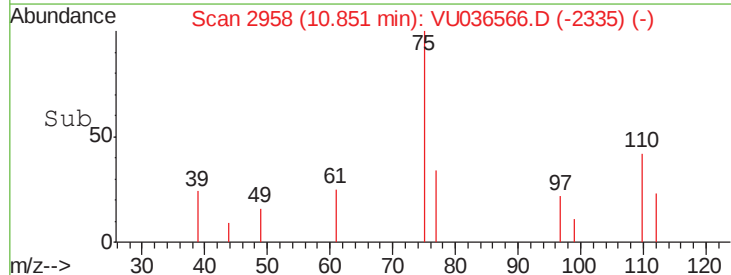
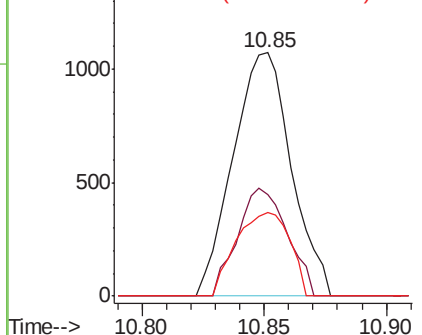
Lab File: VU036566.D

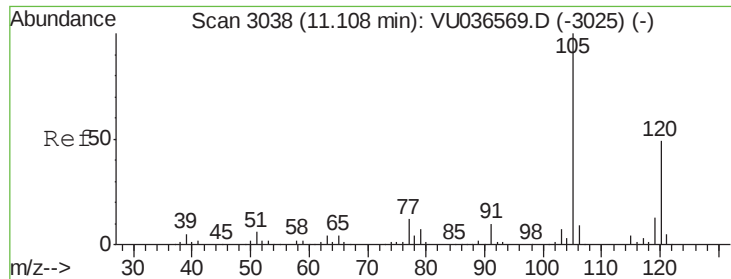
Acq: 27 Jan 2020 14:24

Tgt Ion:	75	Resp:	1772
Ion	Ratio	Lower	Upper
75	100		
110	38.0	29.0	43.4
77	31.8	25.8	38.6



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): V





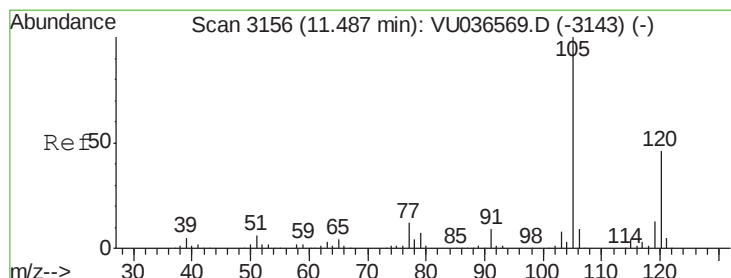
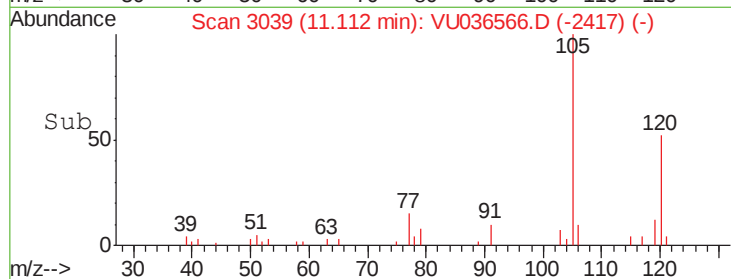
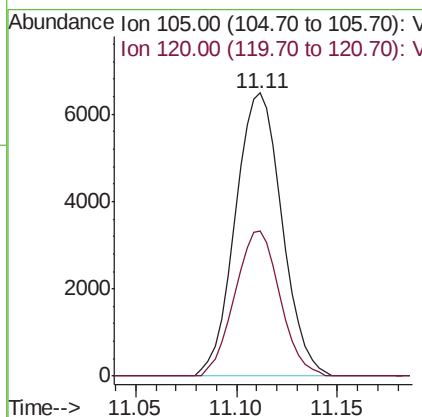
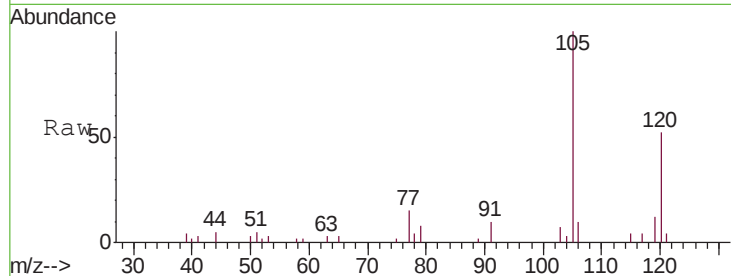
#62
 1,3,5-Trimethylbenzene
 Concen: 0.272 ug/L
 RT: 11.11 min Scan# 3039
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tgt Ion:105 Resp: 10528
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.7 59.5

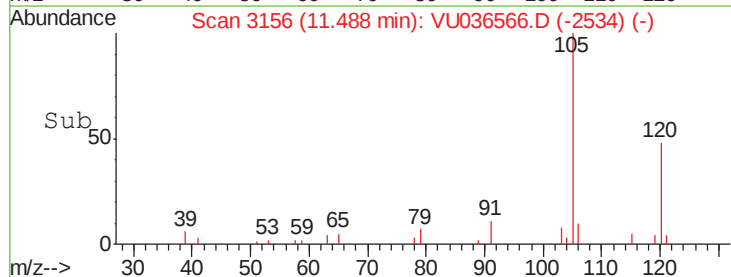
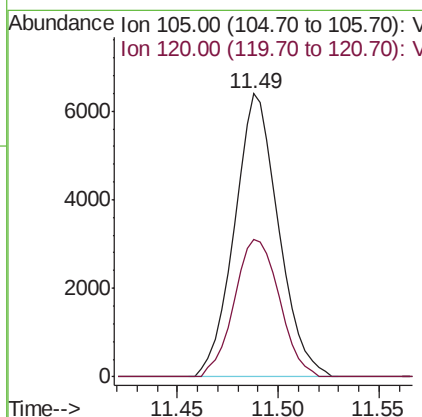
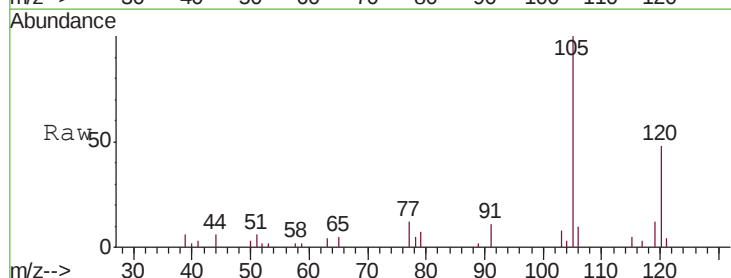
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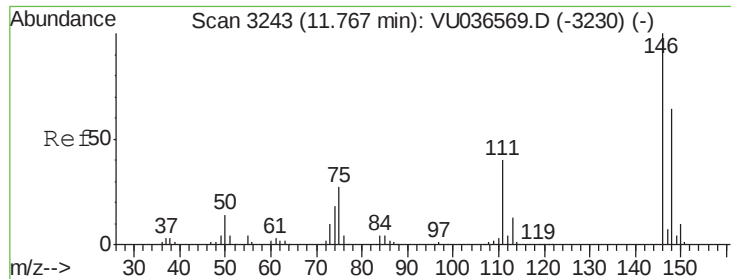
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#63
 1,2,4-Trimethylbenzene
 Concen: 0.255 ug/L
 RT: 11.49 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion:105 Resp: 9772
 Ion Ratio Lower Upper
 105 100
 120 49.9 36.9 55.3





#64

1,3-Dichlorobenzene

Concen: 0.281 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Instrument :

MSVOA_U

ClientSampleId :

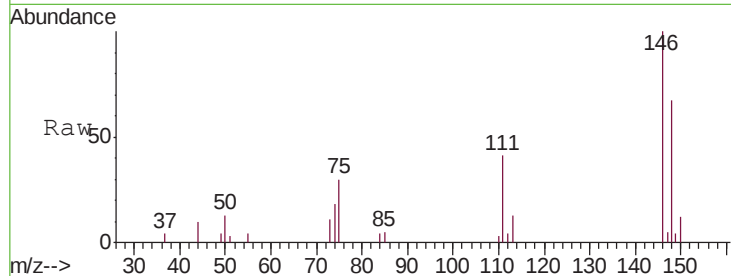
MDL05

Tgt Ion:146 Resp: 5900

Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.8	53.6
148	67.3	44.2	82.2

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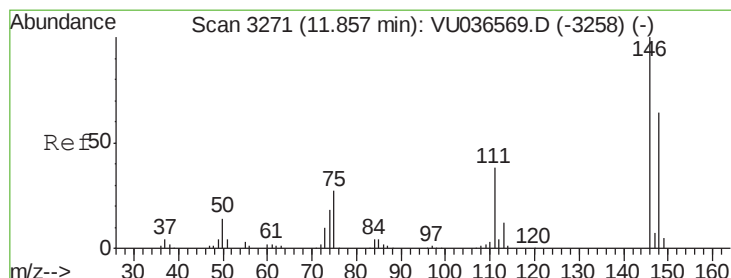
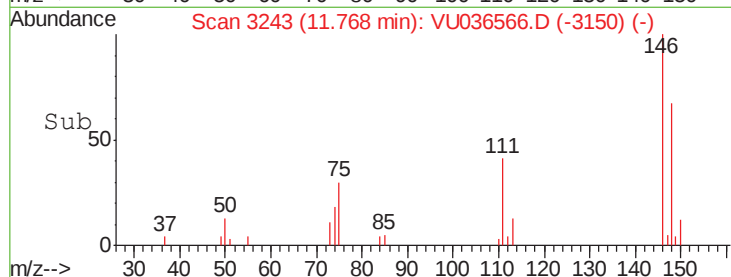
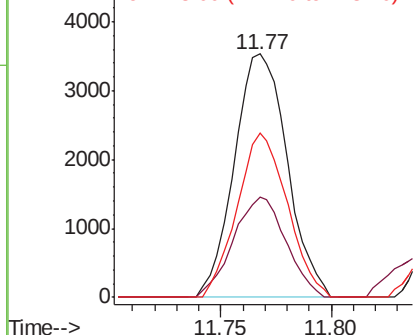
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.279 ug/L

RT: 11.86 min Scan# 3271

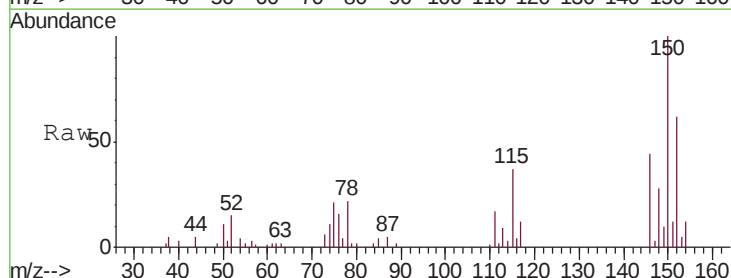
Delta R.T. 0.00 min

Lab File: VU036566.D

Acq: 27 Jan 2020 14:24

Tgt Ion:146 Resp: 5869

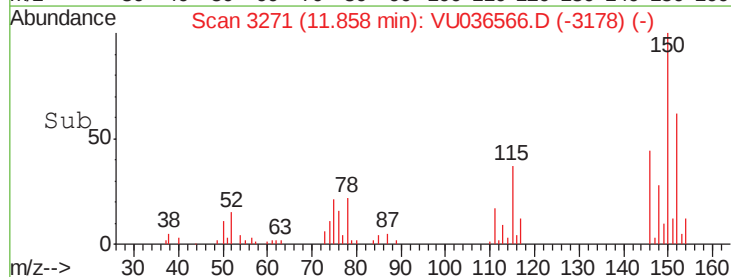
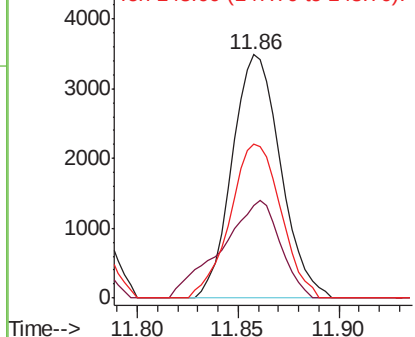
Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.2	50.6
148	63.0	44.8	83.2

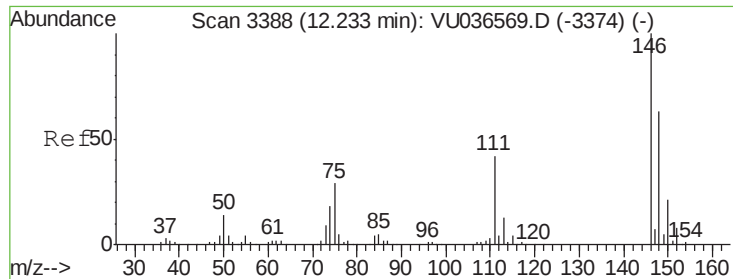


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





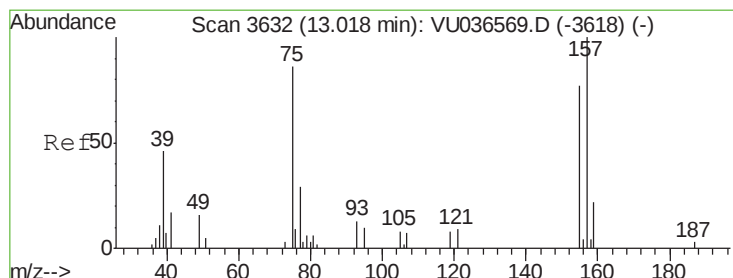
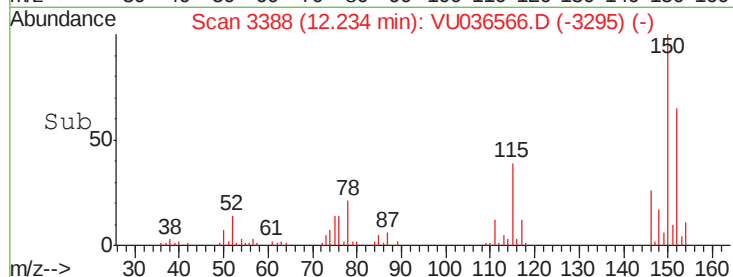
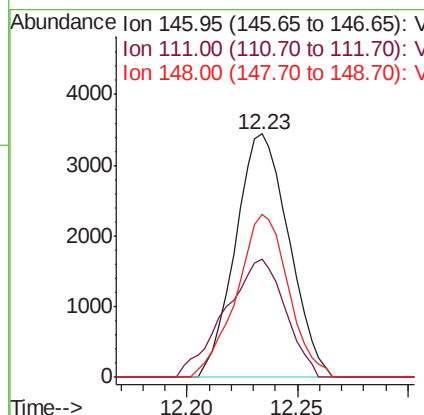
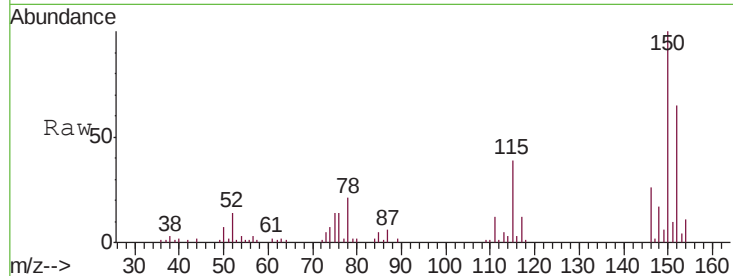
#67
 1,2-Dichlorobenzene
 Concen: 0.289 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Instrument :
 MSVOA_U
 ClientSampled :
 MDL05

Tgt Ion:146 Resp: 5799
 Ion Ratio Lower Upper
 146 100
 111 48.3 33.4 50.0
 148 67.1 51.0 76.4

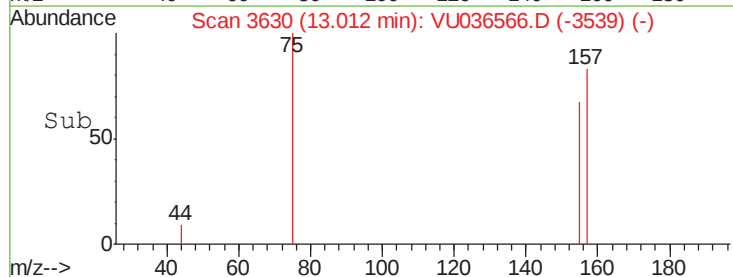
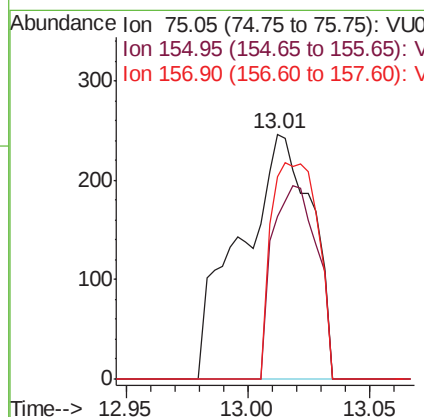
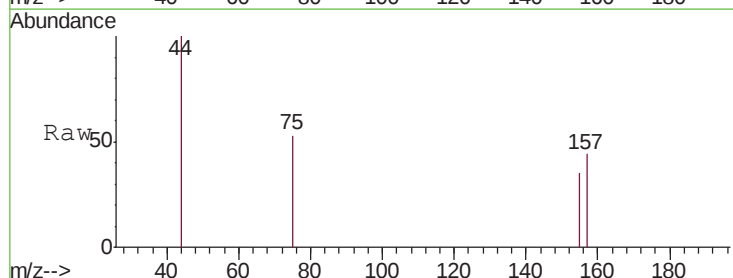
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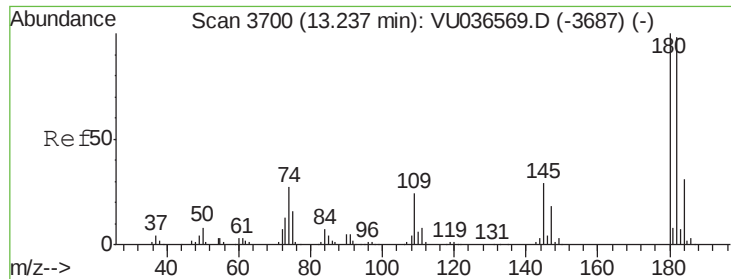
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.379 ug/L
 RT: 13.01 min Scan# 3630
 Delta R.T. -0.01 min
 Lab File: VU036566.D
 Acq: 27 Jan 2020 14:24

Tgt Ion: 75 Resp: 498
 Ion Ratio Lower Upper
 75 100
 155 66.7 64.2 96.4
 157 82.5 85.1 127.7#





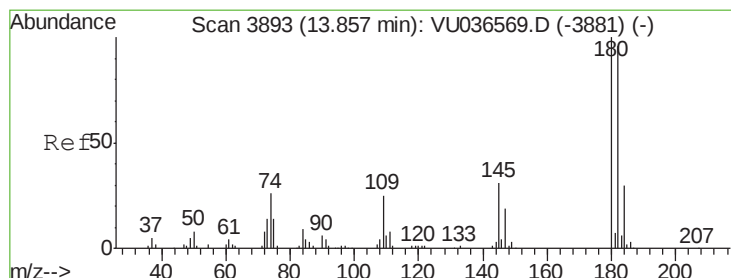
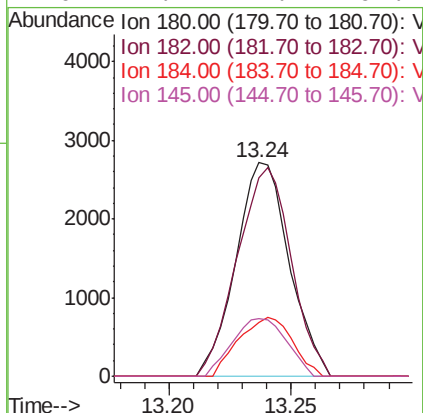
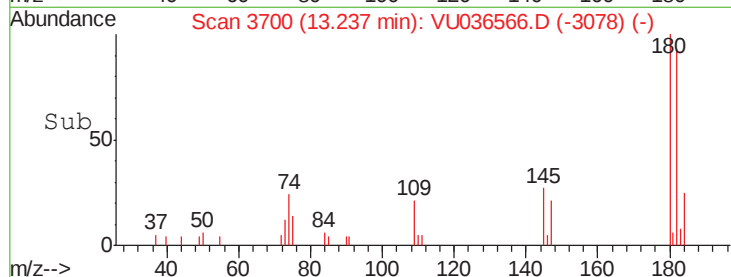
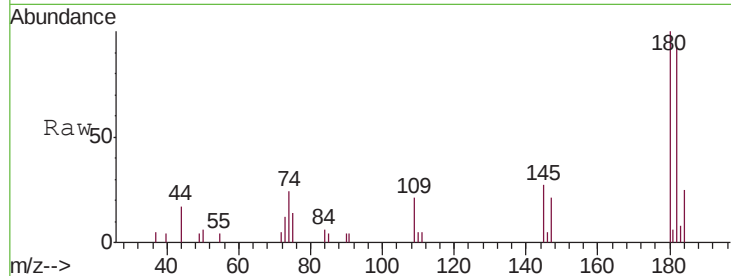
#69
1,3,5-Trichlorobenzene
Concen: 0.255 ug/L
RT: 13.24 min Scan# 3700
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampleId :
MDL05

Tgt Ion:180 Resp: 4116
Ion Ratio Lower Upper
180 100
182 98.6 75.2 112.8
184 27.7 23.9 35.9
145 27.4 22.7 34.1

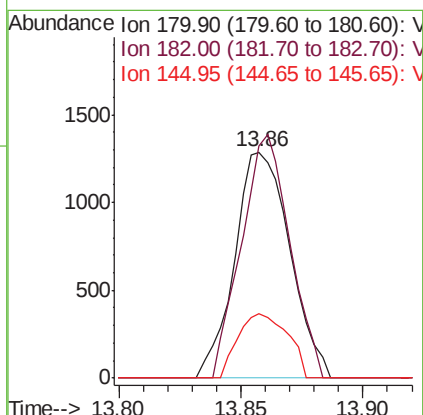
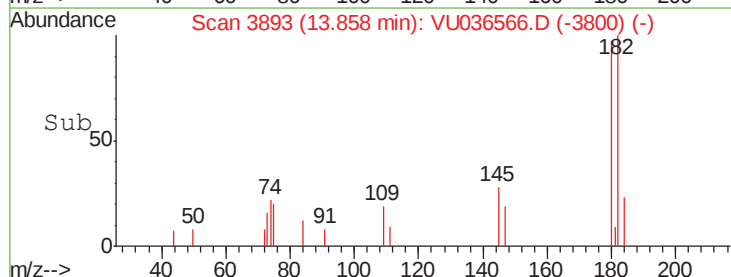
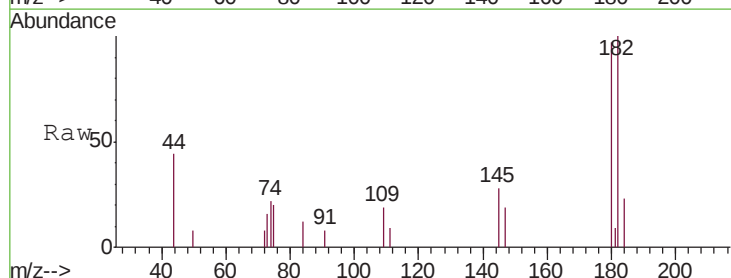
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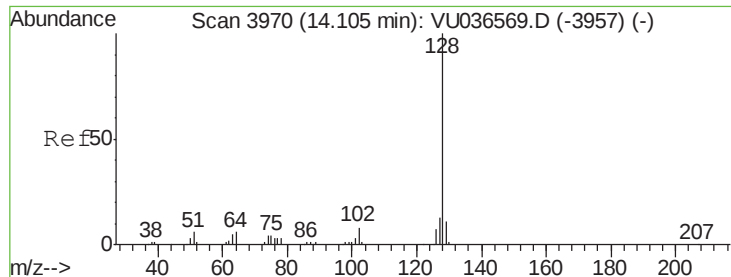
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#70
1,2,4-trichlorobenzene
Concen: 0.172 ug/L
RT: 13.86 min Scan# 3893
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion:180 Resp: 2021
Ion Ratio Lower Upper
180 100
182 94.3 76.2 114.4
145 25.6 23.9 35.9





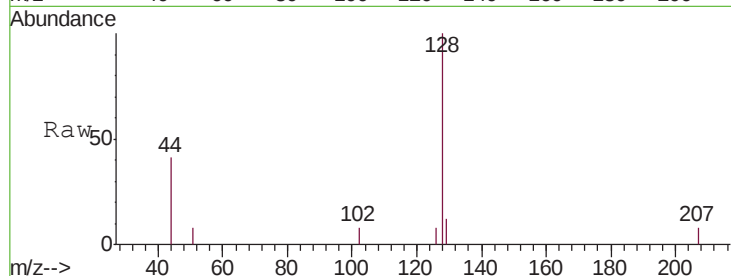
#71
Naphthalene
Concen: 0.121 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Instrument :
MSVOA_U
ClientSampled :
MDL05

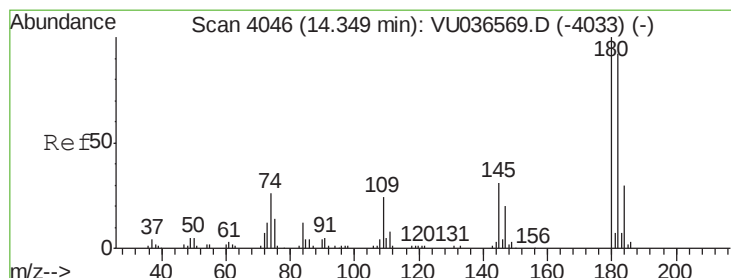
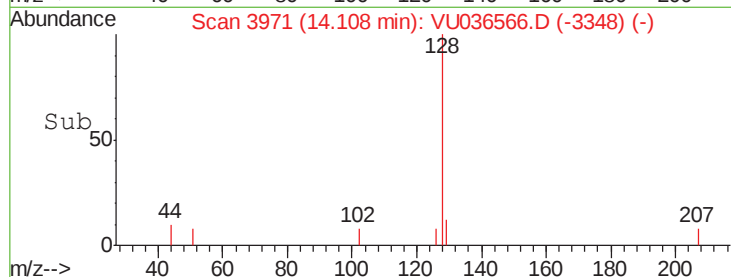
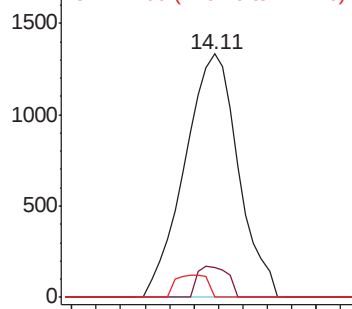
Tgt Ion:128 Resp: 2026
Ion Ratio Lower Upper
128 100
129 7.1 8.4 12.6#
127 5.4 9.9 14.9#

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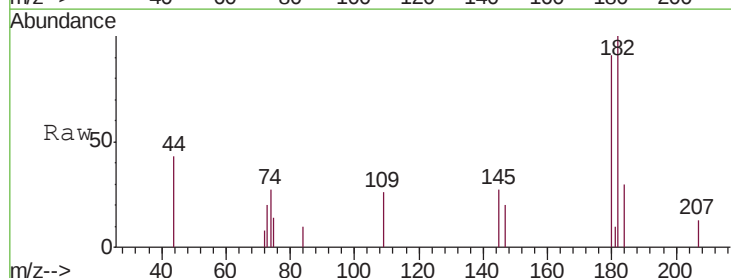


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.180 ug/L
RT: 14.35 min Scan# 4046
Delta R.T. 0.00 min
Lab File: VU036566.D
Acq: 27 Jan 2020 14:24

Tgt Ion:180 Resp: 1913
Ion Ratio Lower Upper
180 100
182 102.7 76.2 114.2
145 26.7 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

