

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU103018\
 Data File : VU027877.D
 Acq On : 30 Oct 2018 16:44
 Operator : MD/SY
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/1/2018 11:15:54 AM

Quant Time: Oct 31 02:45:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 31 02:11:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	82144	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	78688	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	38727	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30491	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.68	69	24019	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.28	63	46677	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	4.20	46	97947	51.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.32%
24) Chloroform-d	4.65	84	54235	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.31	65	33223	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.34	84	107495	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.33	67	37234	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.57	98	98204	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.85	79	14431	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
46) 2-Hexanone-d5	8.31	63	80017	49.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	25197	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	36635	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	2596	0.321 ug/L	99
3) Chloromethane	1.33	50	2894	0.361 ug/L	91
5) Vinyl chloride	1.40	62	2948	0.369 ug/L #	75
6) Bromomethane	1.63	94	873	0.333 ug/L	88
8) Chloroethane	1.70	64	1686m	0.360 ug/L	
9) Trichlorofluoromethane	1.89	101	3205	0.302 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.30	101	1937	0.358 ug/L	87
12) 1,1-Dichloroethene	2.29	96	1826	0.358 ug/L #	1
13) Acetone	2.32	43	4784	3.964 ug/L	93
14) Carbon disulfide	2.48	76	5417	0.297 ug/L #	93
15) Methyl Acetate	2.62	43	1478	0.458 ug/L #	84
16) Methylene chloride	2.70	84	1798	0.314 ug/L	77
17) Methyl tert-butyl Ether	3.01	73	4476	0.294 ug/L #	81
18) trans-1,2-Dichloroethene	2.99	96	1815	0.335 ug/L	88
19) 1,1-Dichloroethane	3.45	63	3673	0.321 ug/L	96
21) 2-Butanone	4.28	43	7018	3.345 ug/L	94
22) cis-1,2-Dichloroethene	4.23	96	1831	0.292 ug/L	65

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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 31 02:11:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.55	128	690	0.266	ug/L #	92
25) Chloroform	4.68	83	4325	0.373	ug/L	88
27) 1,2-Dichloroethane	5.41	62	2748	0.339	ug/L #	78
29) 1,1,1-Trichloroethane	4.92	97	3364	0.331	ug/L	95
30) Cyclohexane	5.00	56	3825	0.321	ug/L #	90
31) Carbon tetrachloride	5.13	117	2521	0.289	ug/L	97
33) Benzene	5.39	78	8015	0.322	ug/L	100
34) Trichloroethene	6.19	95	1972	0.304	ug/L	90
35) Methylcyclohexane	6.42	83	3340	0.303	ug/L	93
37) 1,2-Dichloropropane	6.44	63	2188	0.308	ug/L #	90
38) Bromodichloromethane	6.76	83	2515	0.303	ug/L #	91
39) cis-1,3-Dichloropropene	7.27	75	3239	0.318	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	14805	2.952	ug/L #	92
42) Toluene	7.64	91	8816	0.338	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	2256m	0.258	ug/L	
45) 1,1,2-Trichloroethane	8.07	97	1226	0.281	ug/L	86
47) Tetrachloroethene	8.22	164	1564	0.314	ug/L	85
48) 2-Hexanone	8.37	43	11990	3.316	ug/L	96
49) Dibromochloromethane	8.48	129	1510	0.286	ug/L	91
50) 1,2-Dibromoethane	8.59	107	1211	0.290	ug/L #	98
51) Chlorobenzene	9.12	112	5211	0.322	ug/L	99
52) Ethylbenzene	9.25	91	9545	0.321	ug/L	96
53) m,p-xylene	9.38	106	3255	0.302	ug/L	87
54) o-xylene	9.78	106	3317	0.313	ug/L	95
55) Styrene	9.80	104	5310	0.299	ug/L	88
56) Isopropylbenzene	10.17	105	8543	0.296	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.46	83	1602	0.281	ug/L #	65
59) 1,2,3-Trichloropropane	10.50	75	1373	0.319	ug/L	89
61) Bromoform	9.96	173	704	0.247	ug/L #	90
62) 1,3-Dichlorobenzene	11.42	146	4089	0.328	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	4121	0.331	ug/L	90
65) 1,2-Dichlorobenzene	11.88	146	3624	0.308	ug/L #	83
66) 1,2-Dibromo-3-chloropropan	12.65	75	201	0.218	ug/L	89
67) 1,3,5-Trichlorobenzene	12.89	180	3290m	0.328	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	2471	0.290	ug/L	92
69) Naphthalene	13.75	128	3187	0.240	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.99	180	2610	0.336	ug/L #	86

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

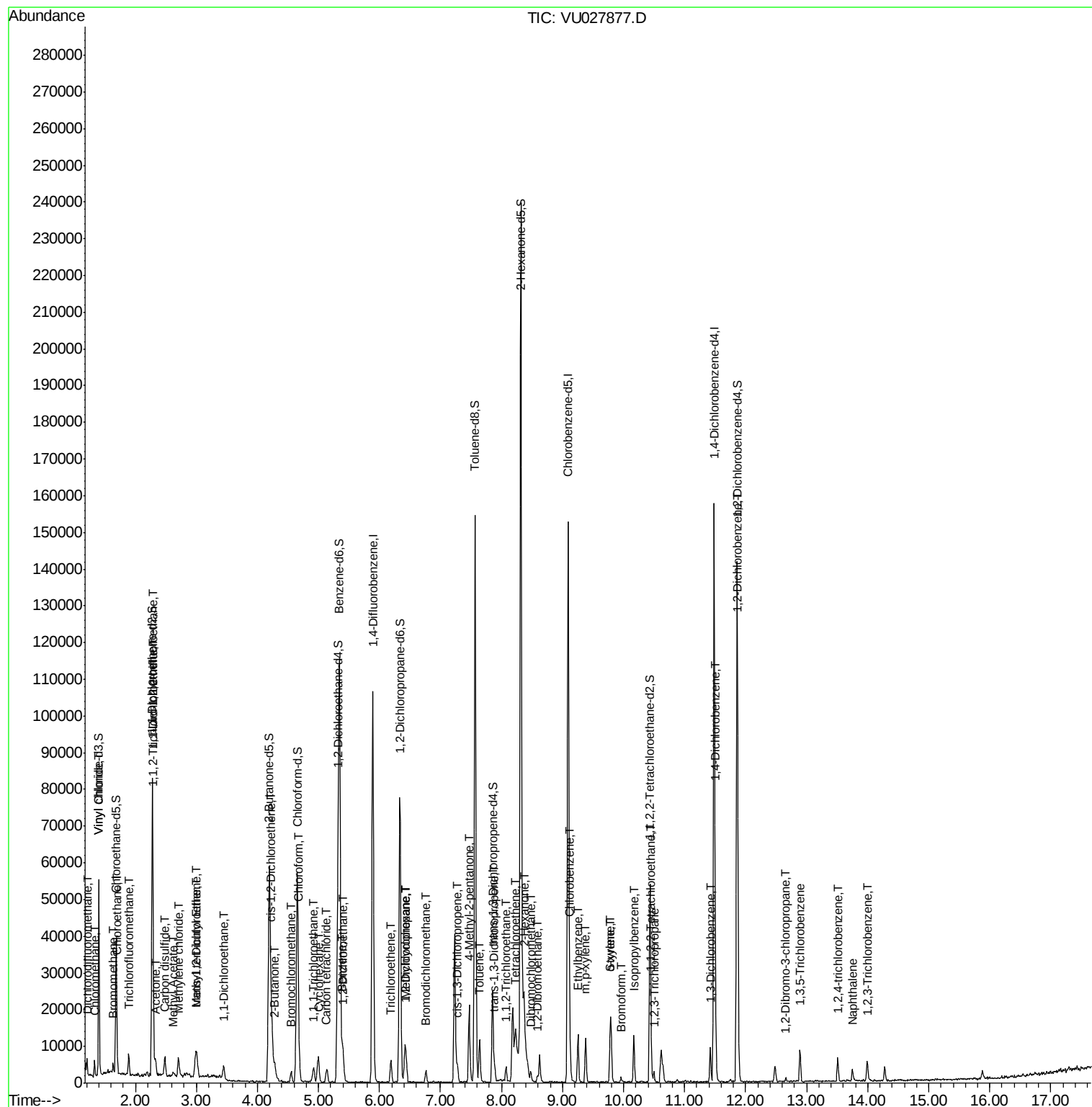
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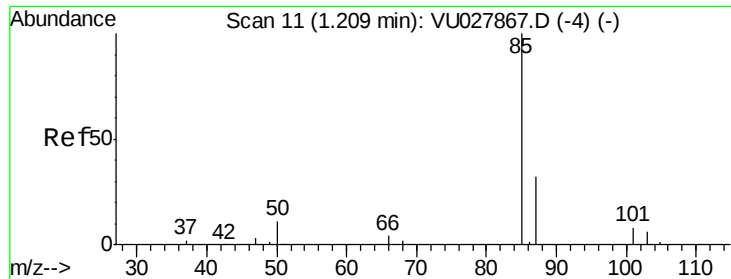
Instrument :
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#2

Dichlorodifluoromethane

Concen: 0.321 ug/L

RT: 1.21 min Scan# 11

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tot Ion: 85 Resp: 2596

Ion Ratio Lower Upper

85 100

87 30.9 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

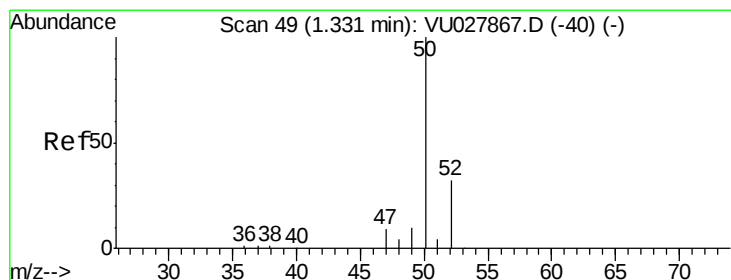
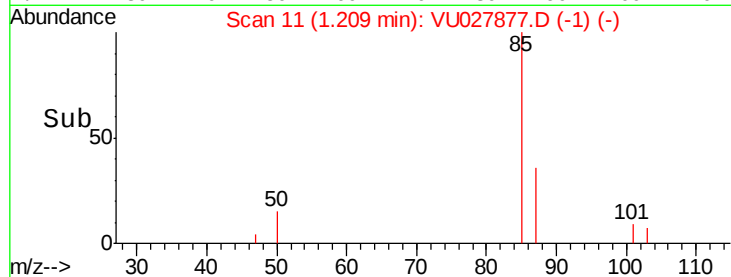
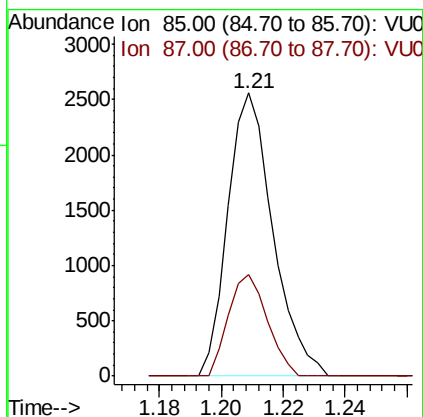
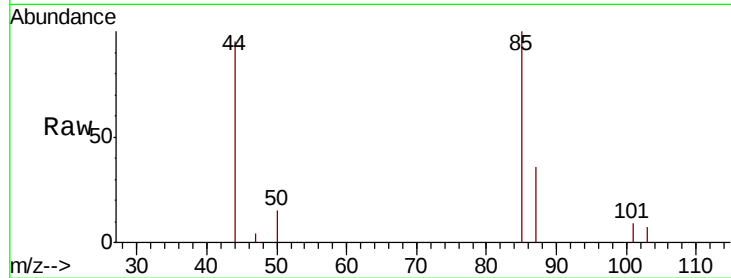
MDL06

Manual Integrations

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#3

Chloromethane

Concen: 0.361 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027877.D

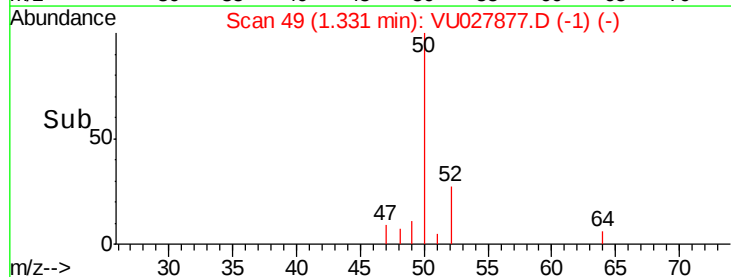
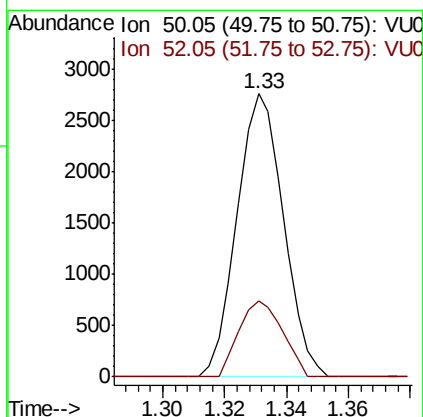
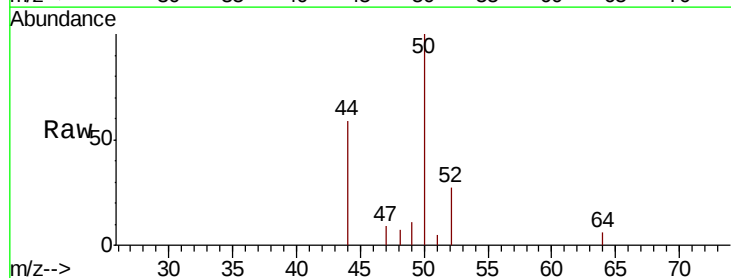
Acq: 30 Oct 2018 16:44

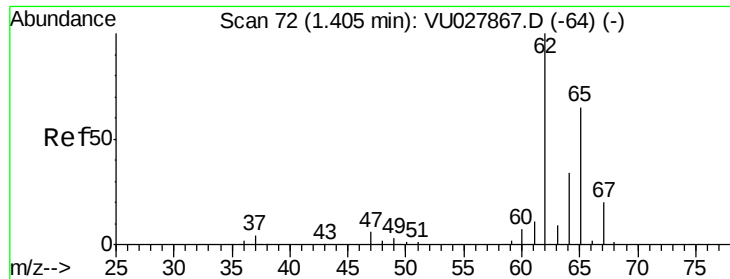
Tgt Ion: 50 Resp: 2894

Ion Ratio Lower Upper

50 100

52 26.9 22.3 41.5





#5

Vinyl chloride

Concen: 0.369 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 62 Resp: 2948

Ion Ratio Lower Upper

62 100

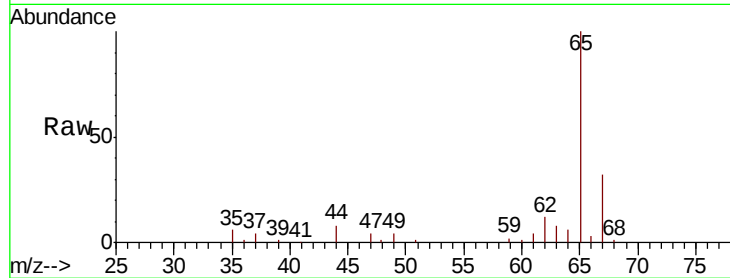
64 48.8 24.0 44.6#

Manual Integrations

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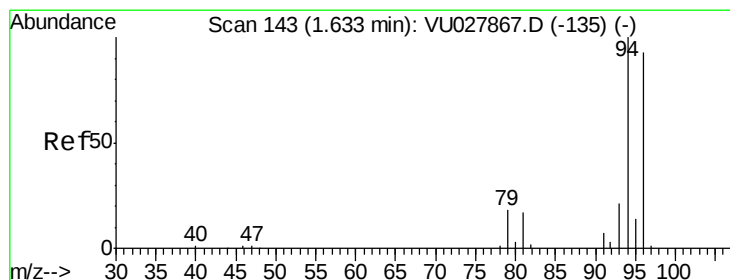
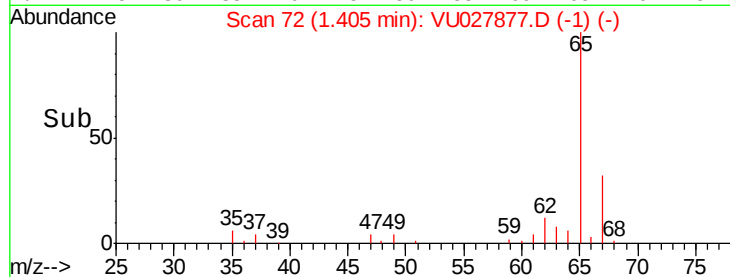
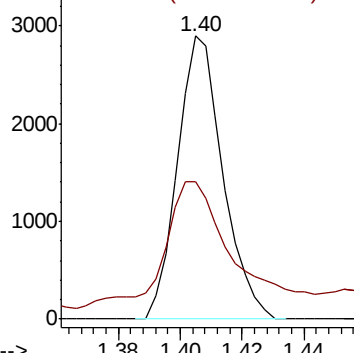
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.333 ug/L

RT: 1.63 min Scan# 143

Delta R.T. -0.00 min

Lab File: VU027877.D

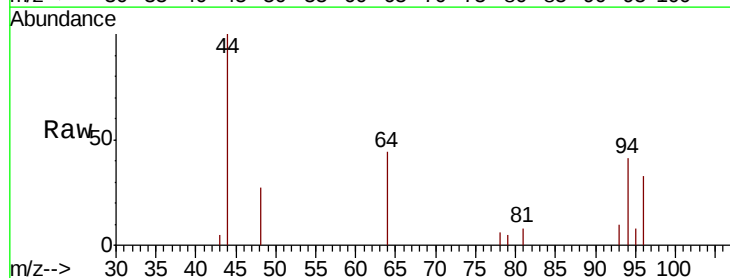
Acq: 30 Oct 2018 16:44

Tgt Ion: 94 Resp: 873

Ion Ratio Lower Upper

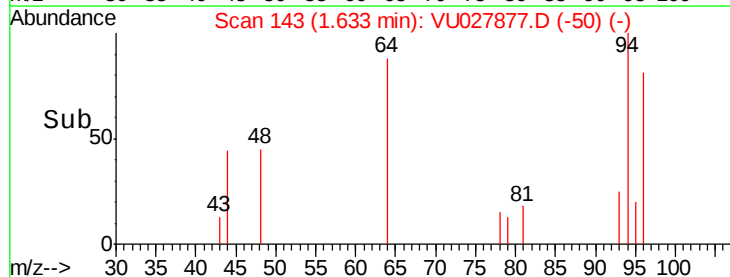
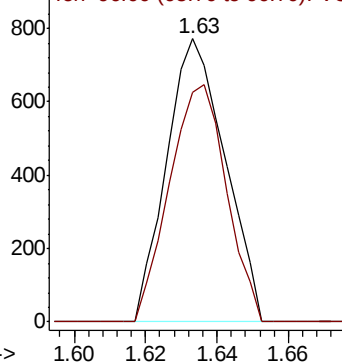
94 100

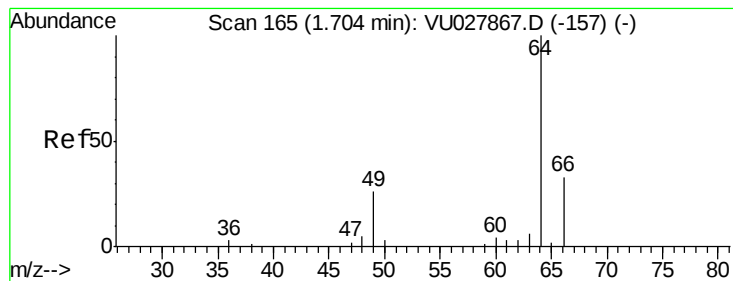
96 81.2 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.360 ug/L m

RT: 1.70 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 64 Resp: 1686

Ion Ratio Lower Upper

64 100

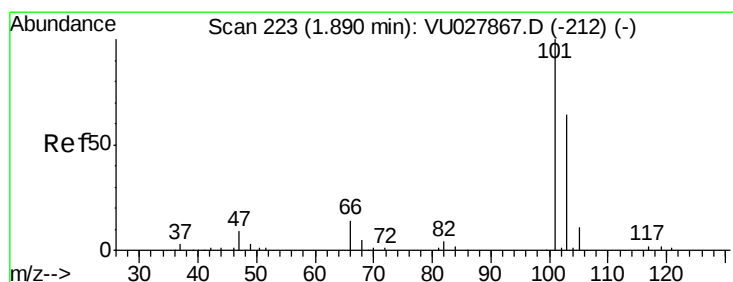
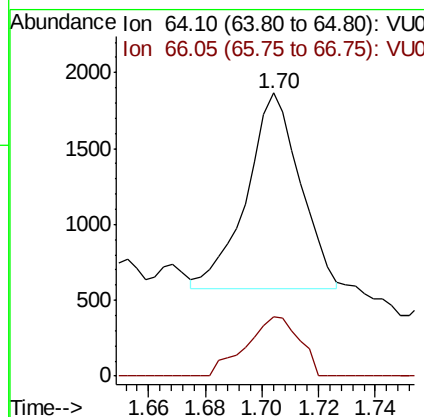
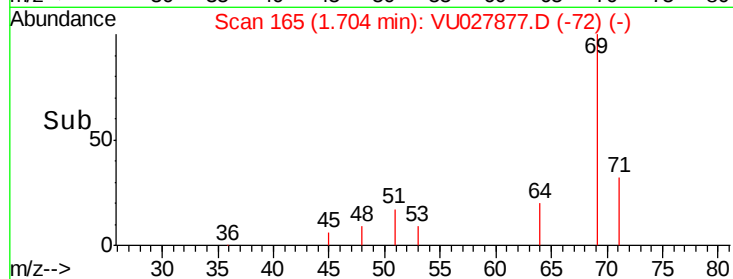
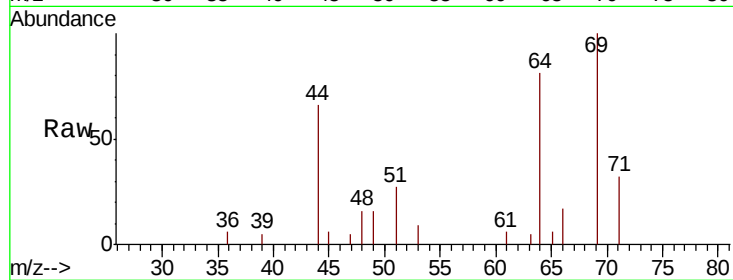
66 20.9 21.8 40.6#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.302 ug/L

RT: 1.89 min Scan# 223

Delta R.T. -0.00 min

Lab File: VU027877.D

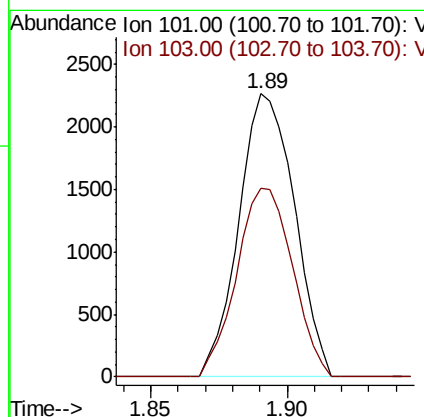
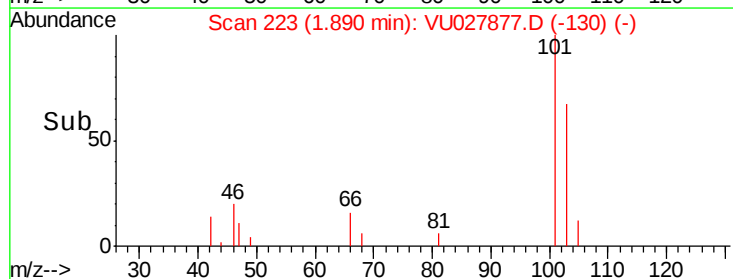
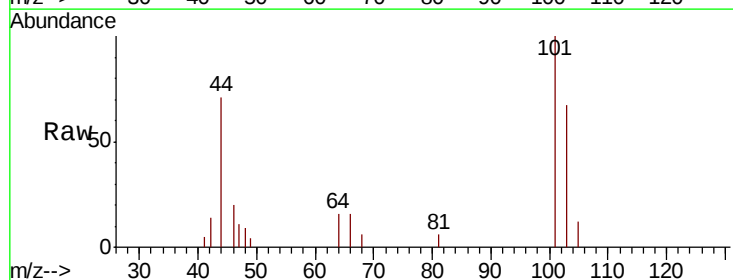
Acq: 30 Oct 2018 16:44

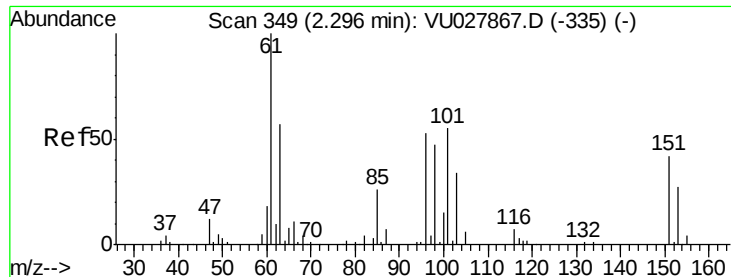
Tgt Ion:101 Resp: 3205

Ion Ratio Lower Upper

101 100

103 67.0 51.4 77.0





#10

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

Concen: 0.358 ug/L

RT: 2.30 min Scan# 349

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

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MSVOA_U

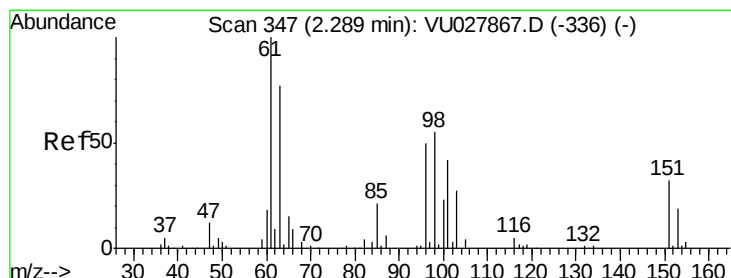
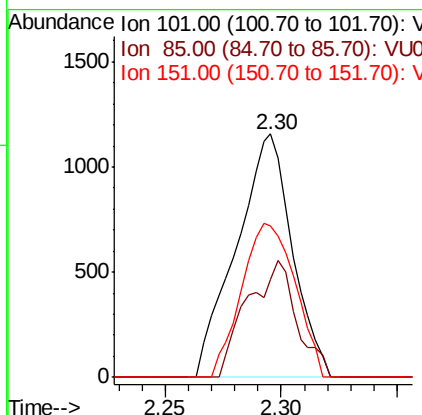
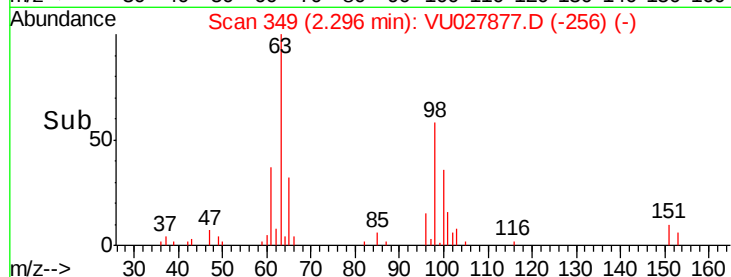
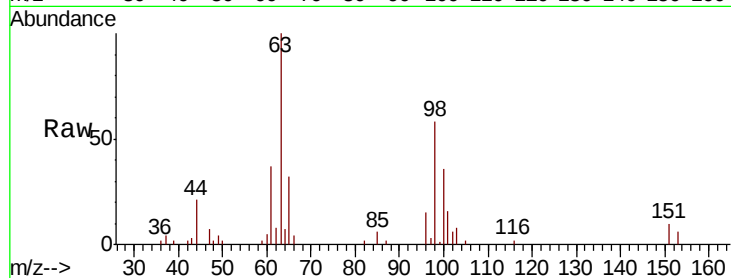
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	1937
Ion Ratio	Lower	Upper	
101	100		
85	42.2	37.1	55.7
151	60.9	59.9	89.9

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#12

1,1-Dichloroethene

Concen: 0.358 ug/L

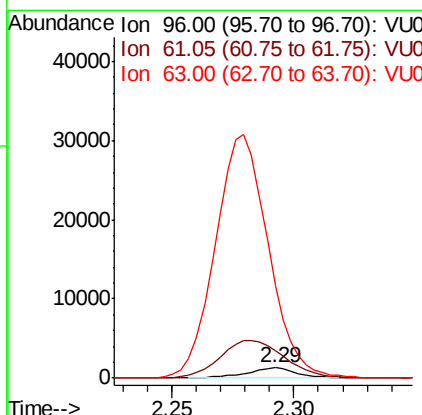
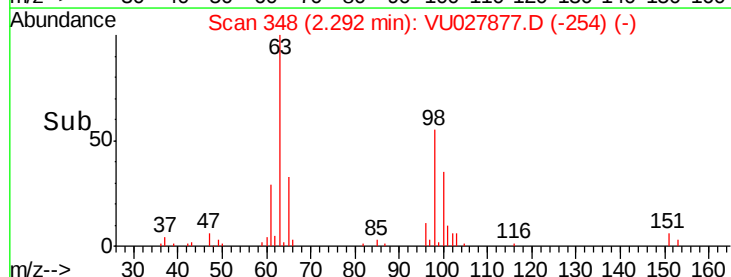
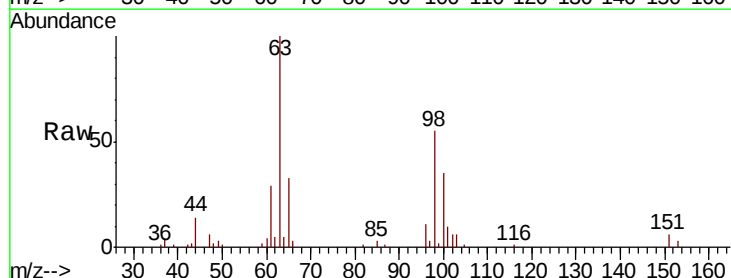
RT: 2.29 min Scan# 348

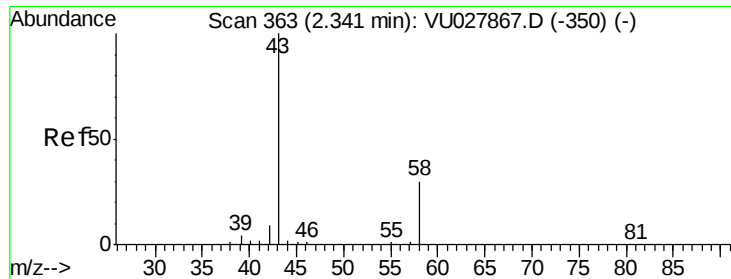
Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tgt Ion:	96	Resp:	1826
Ion Ratio	Lower	Upper	
96	100		
61	266.2	141.1	262.1#
63	904.5	113.0	209.9#





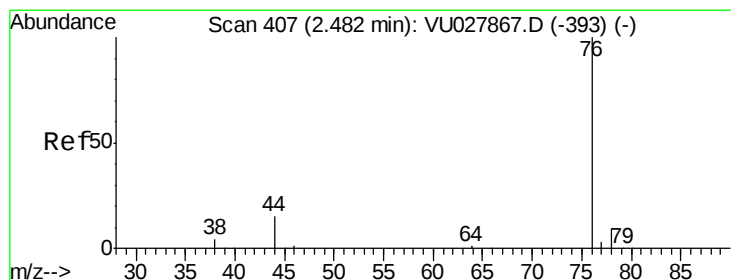
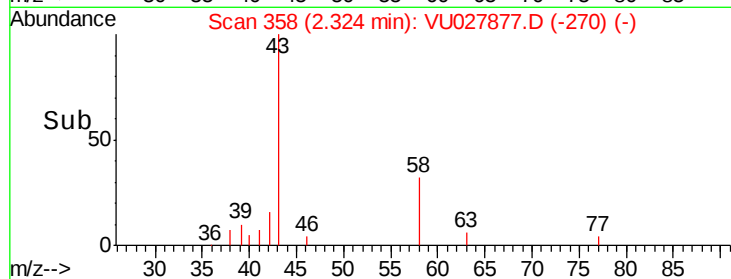
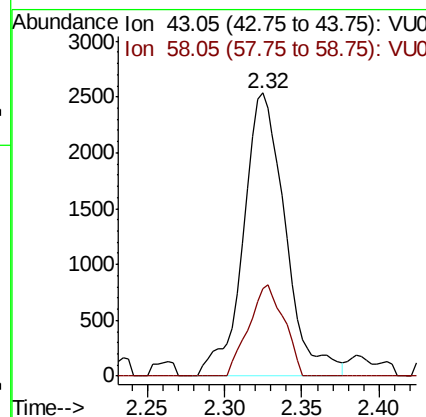
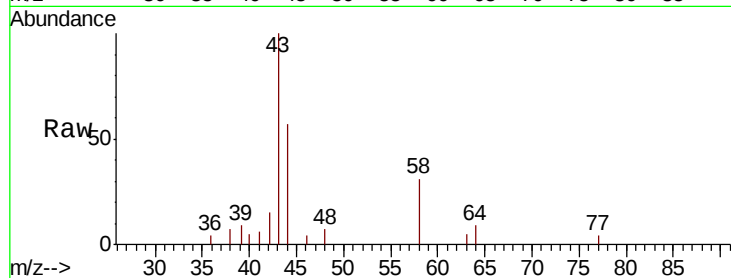
#13
Acetone
Concen: 3.964 ug/L
RT: 2.32 min Scan# 358
Delta R.T. -0.02 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion: 43 Resp: 4784
Ion Ratio Lower Upper
43 100
58 26.9 0.0 61.4

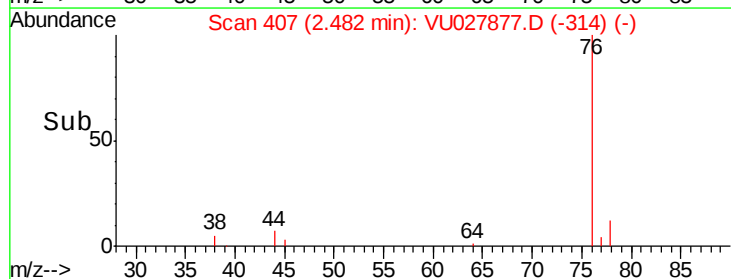
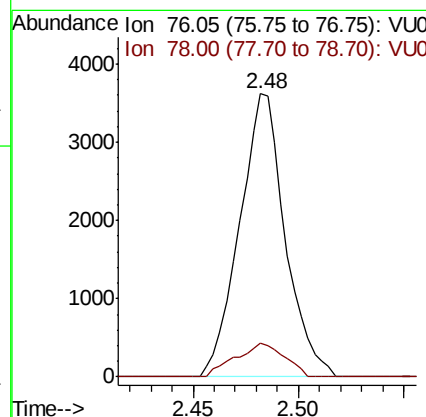
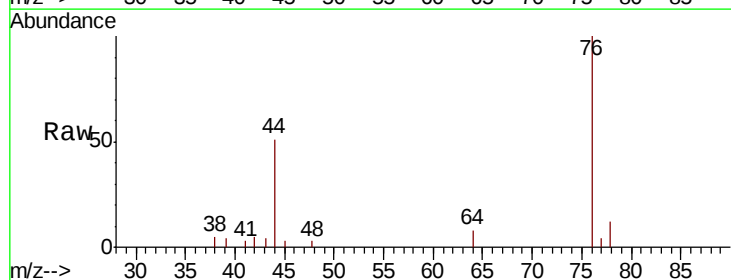
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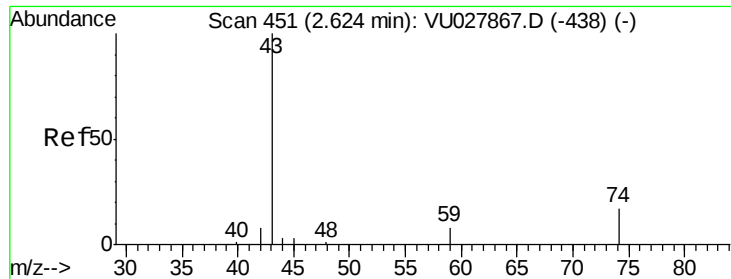
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11/1/2018 11:15:54 AM



#14
Carbon disulfide
Concen: 0.297 ug/L
RT: 2.48 min Scan# 407
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion: 76 Resp: 5417
Ion Ratio Lower Upper
76 100
78 11.9 7.5 11.3#





#15

Methvl Acetate

Concen: 0.458 ug/L

RT: 2.62 min Scan# 451

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 1478

Ion Ratio Lower Upper

43 100

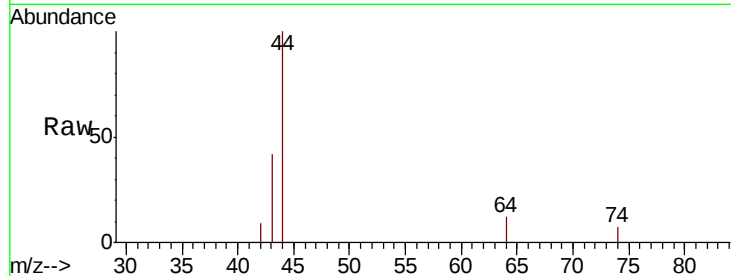
74 11.2 14.9 22.3#

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.62

800

600

400

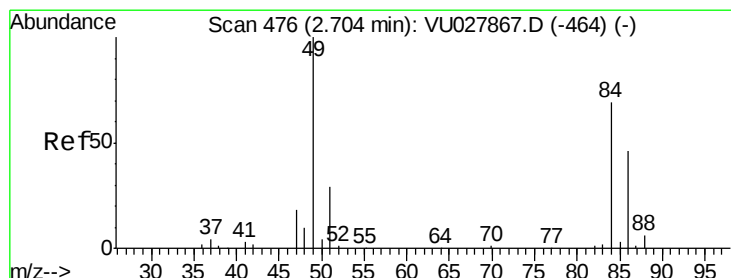
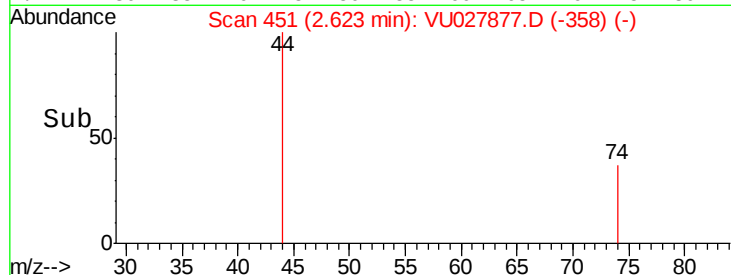
200

0

2.60

2.65

Time-->



#16

Methylene chloride

Concen: 0.314 ug/L

RT: 2.70 min Scan# 476

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

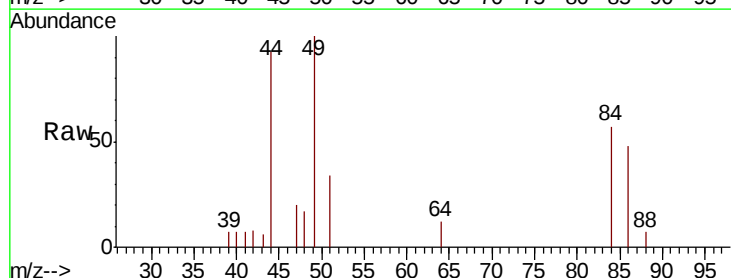
Tgt Ion: 84 Resp: 1798

Ion Ratio Lower Upper

84 100

86 83.6 46.7 86.7

49 174.9 101.3 188.1



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

2000

1500

1000

500

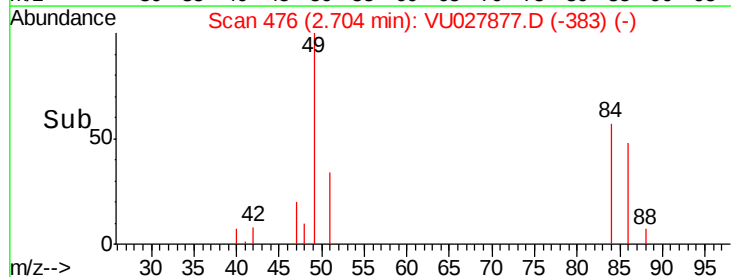
0

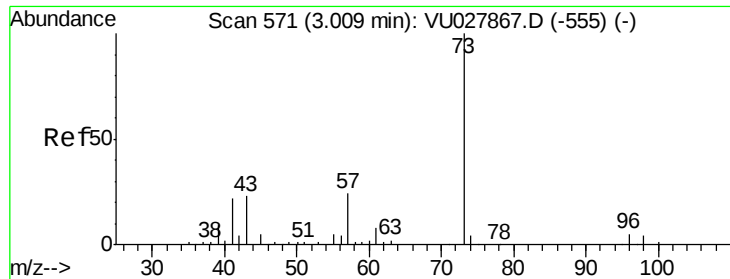
2.65

2.70

2.75

Time-->





#17

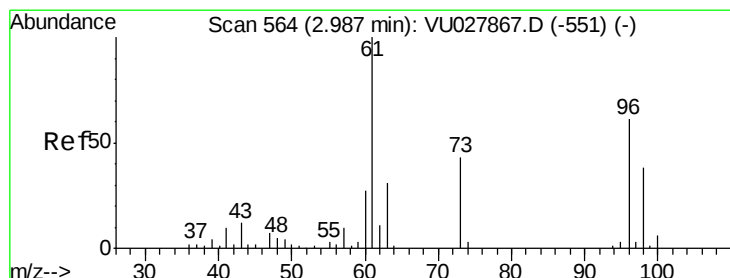
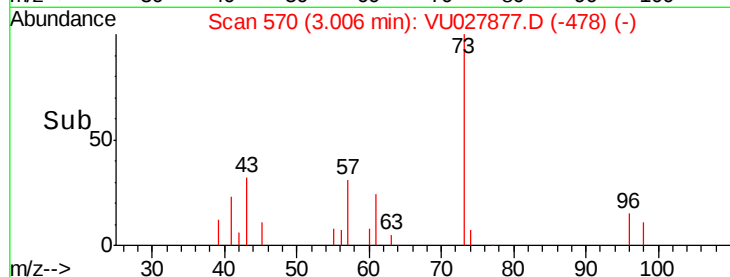
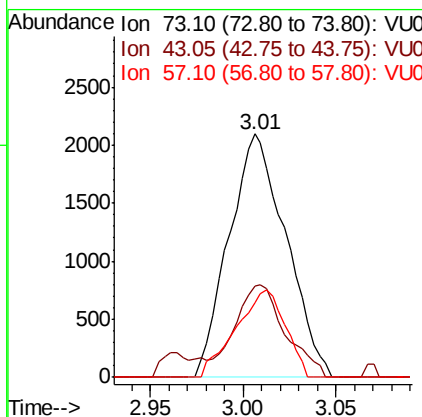
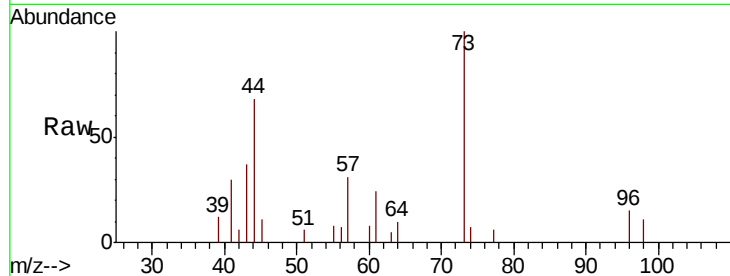
Methyl tert-butyl Ether
 Concen: 0.294 ug/L
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	33.8	18.7	28.1#
57	31.2	18.7	28.1#

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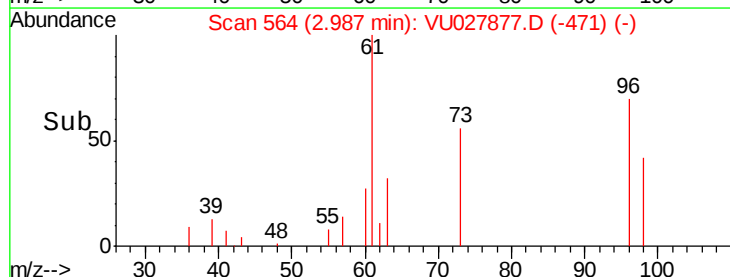
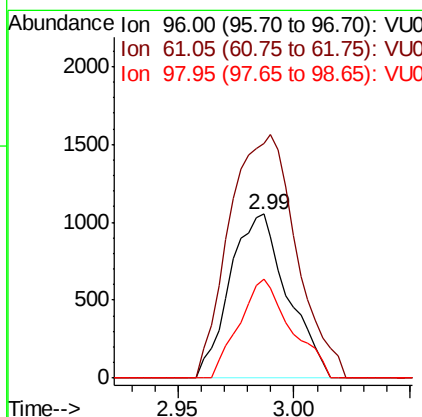
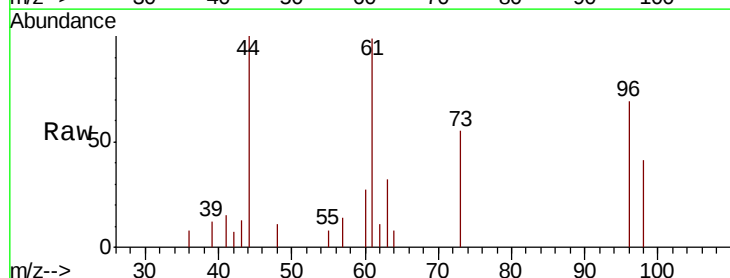
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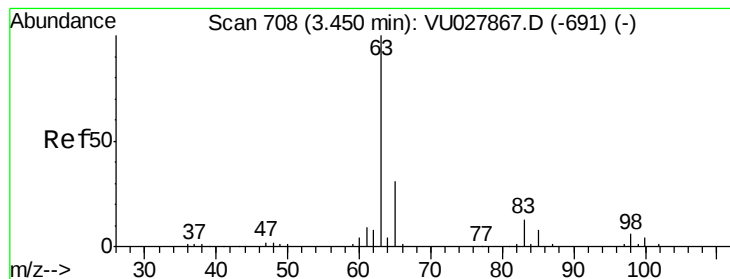


#18

trans-1,2-Dichloroethene
 Concen: 0.335 ug/L
 RT: 2.99 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.3	115.2	214.0
98	60.1	44.0	81.8





#19

1,1-Dichloroethane

Concen: 0.321 ug/L

RT: 3.45 min Scan# 709

Delta R.T. 0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Instrument :

MSVOA_U

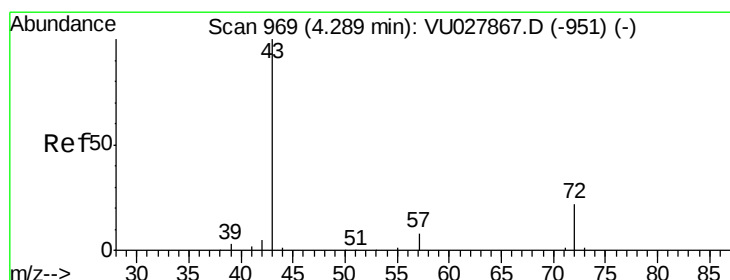
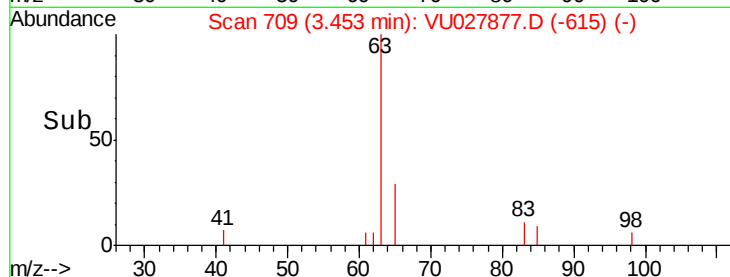
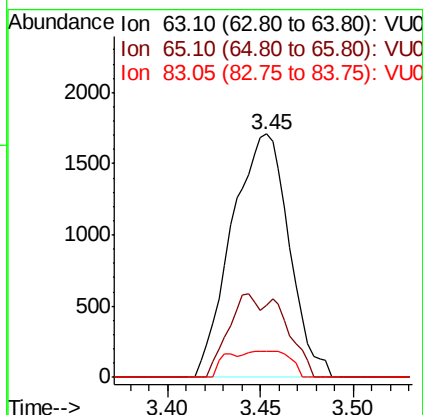
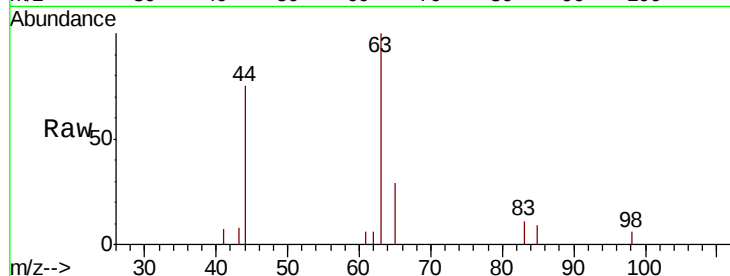
ClientSampleId :

MDL06

Tot Ion:	63	Resp:	3673
Ion	Ratio	Lower	Upper
63	100		
65	29.4	21.8	40.4
83	10.6	9.4	17.4

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#21

2-Butanone

Concen: 3.345 ug/L

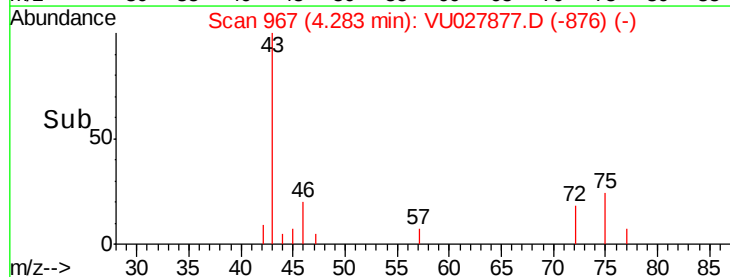
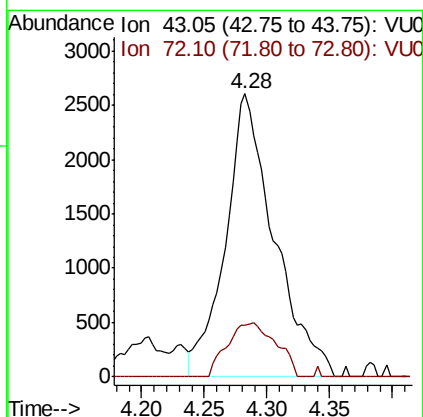
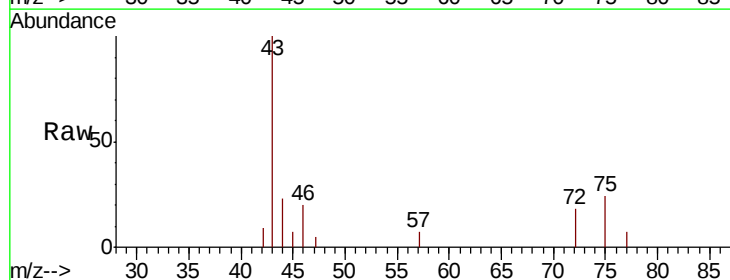
RT: 4.28 min Scan# 967

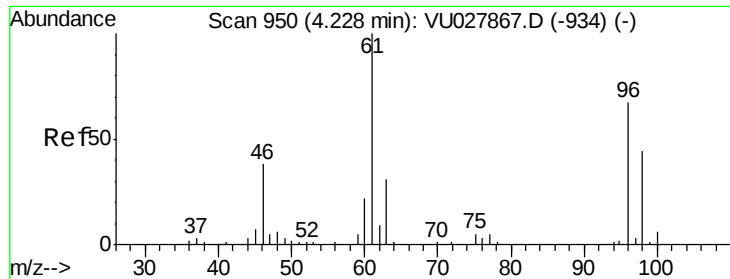
Delta R.T. -0.01 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tgt Ion:	43	Resp:	7018
Ion	Ratio	Lower	Upper
43	100		
72	19.1	10.9	32.9





#22

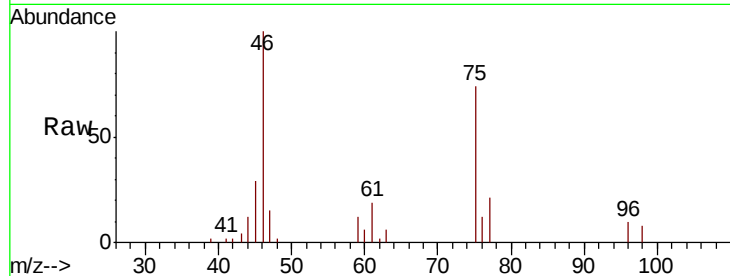
cis-1,2-Dichloroethene
Concen: 0.292 ug/L
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampleId :
MDL06

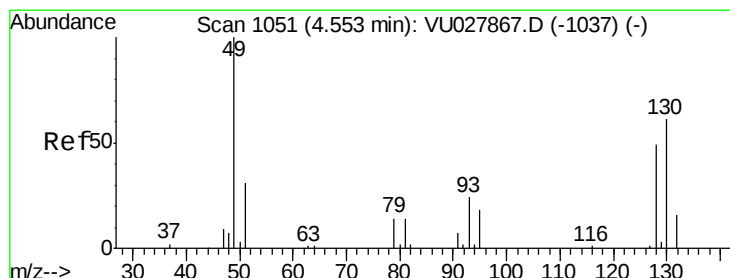
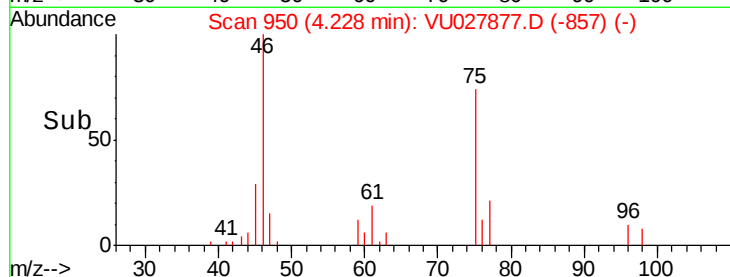
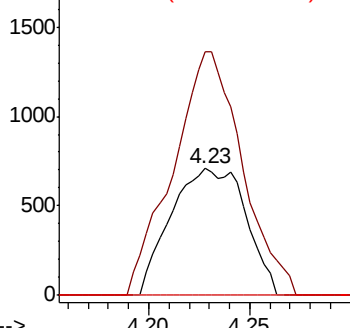
Tot Ion	Ratio	Lower	Upper
96	100		
61	192.2	104.0	193.2
68	0.0	0.0	0.0

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Abundance Ion 96.00 (95.70 to 96.70): VU027867.D (-934) (-)

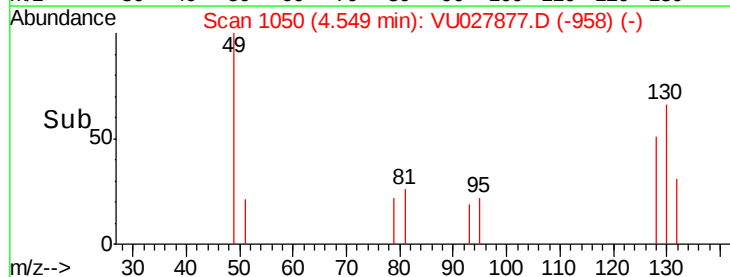
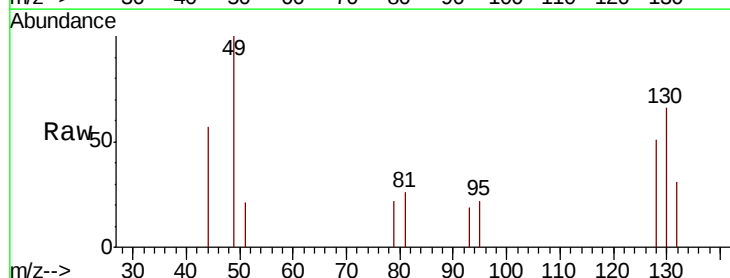
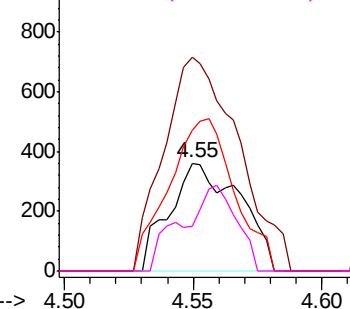


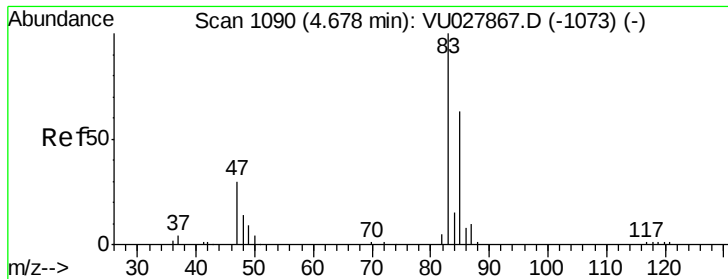
#23

Bromochloromethane
Concen: 0.266 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	197.5	142.0	263.8
130	129.8	86.1	159.9
51	42.0	50.4	75.6

Abundance Ion 127.90 (127.60 to 128.60): VU027867.D (-1037) (-)





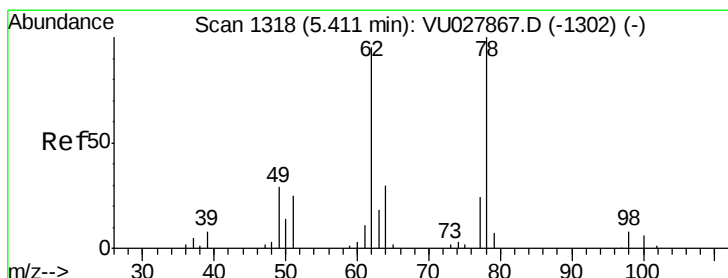
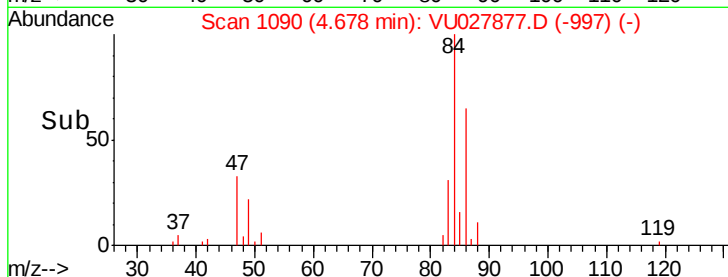
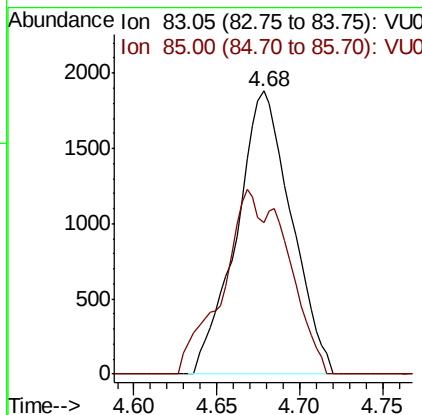
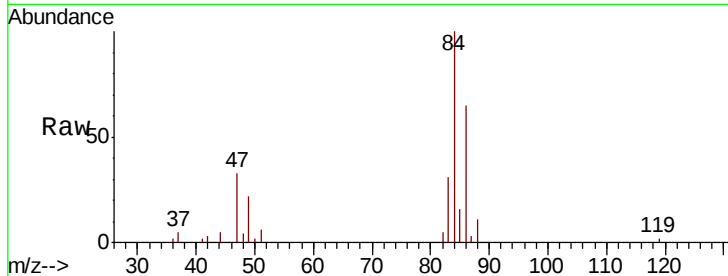
#25
Chloroform
Concen: 0.373 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 4325
Ion Ratio Lower Upper
83 100
85 53.7 44.0 81.8

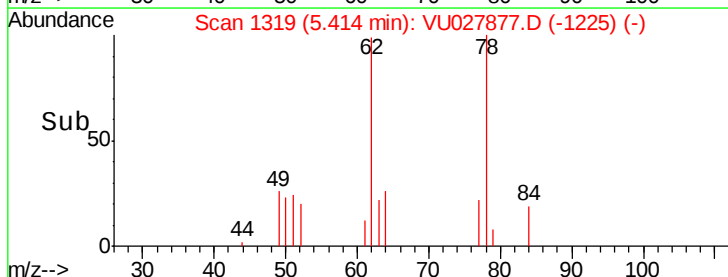
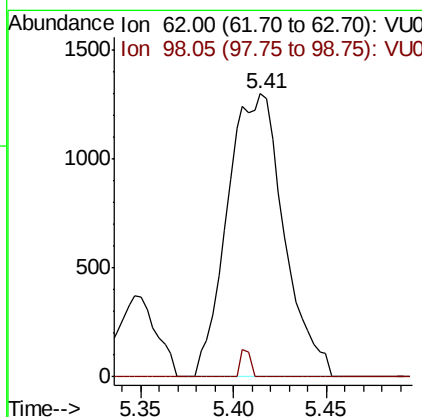
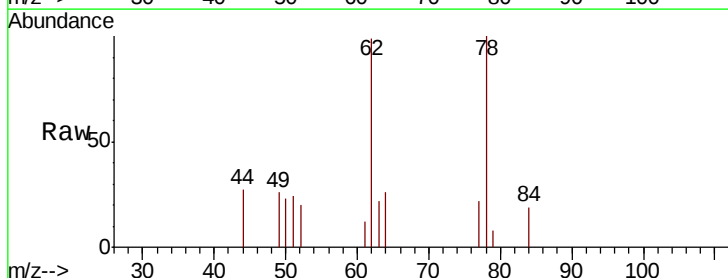
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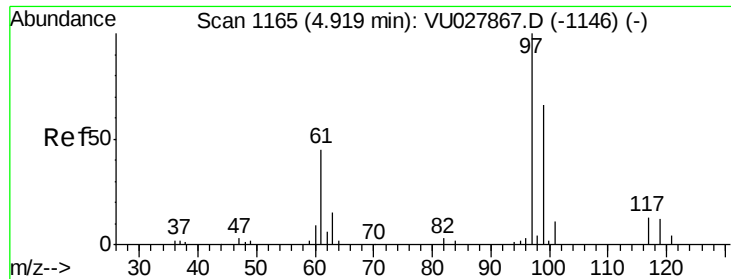
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#27
1,2-Dichloroethane
Concen: 0.339 ug/L
RT: 5.41 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion: 62 Resp: 2748
Ion Ratio Lower Upper
62 100
98 0.0 6.3 9.5#





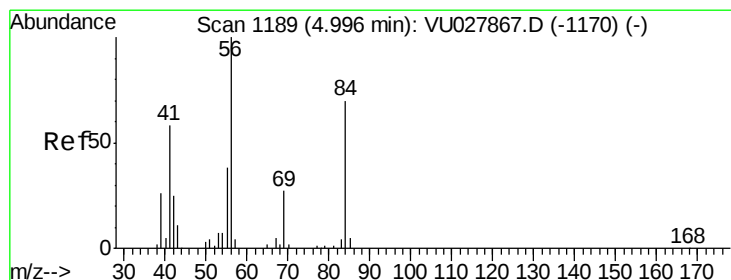
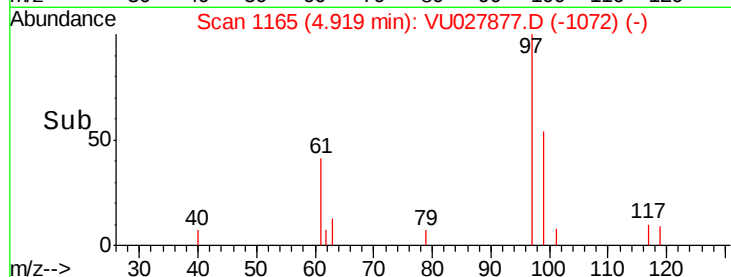
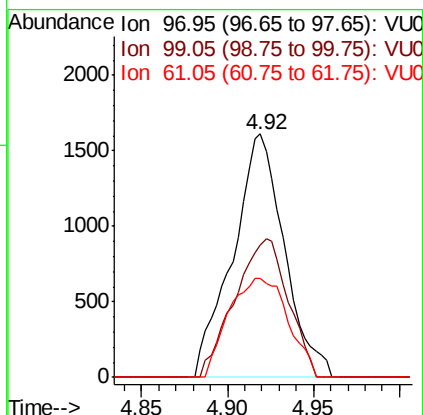
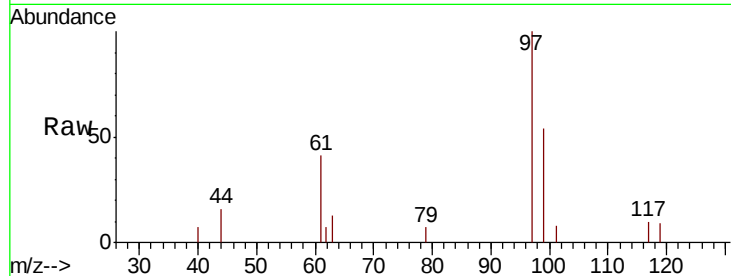
#29
 1,1,1-Trichloroethane
 Concen: 0.331 ug/L
 RT: 4.92 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	58.8	50.6	76.0
61	46.6	35.8	53.6

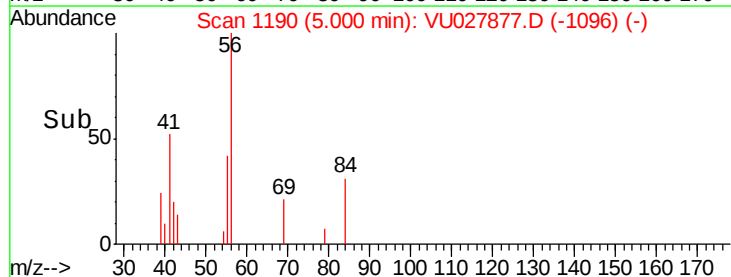
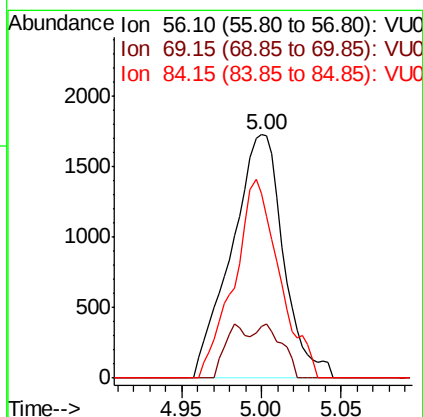
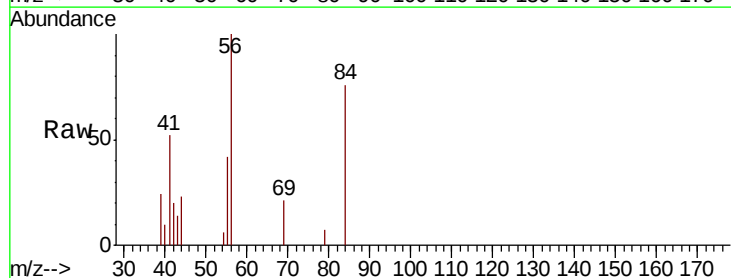
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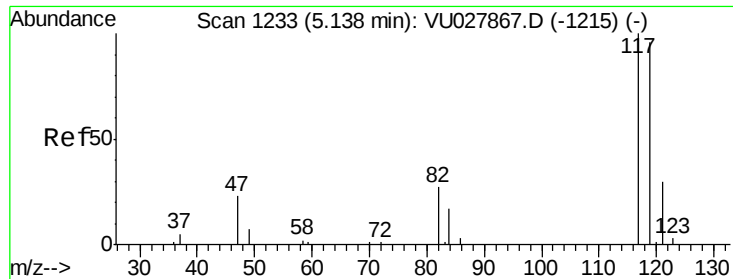
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#30
 Cyclohexane
 Concen: 0.321 ug/L
 RT: 5.00 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	11.4	22.7	34.1#
84	71.0	58.1	87.1





#31

Carbon tetrachloride

Concen: 0.289 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tot Ion: 117 Resp: 2521

Ion Ratio Lower Upper

117 100

119 99.8 77.1 115.7

Instrument :

MSVOA_U

ClientSampled :

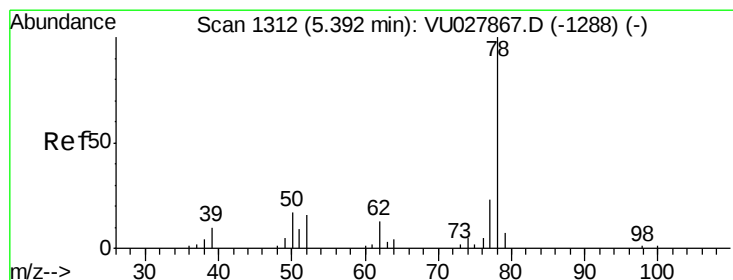
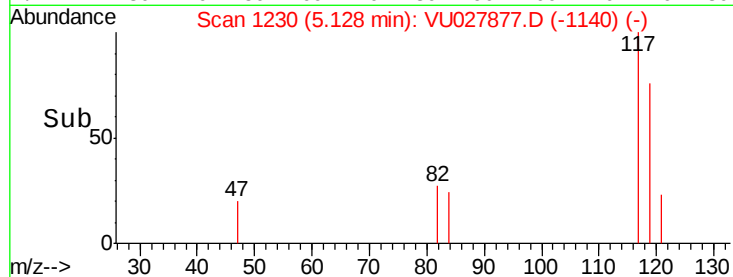
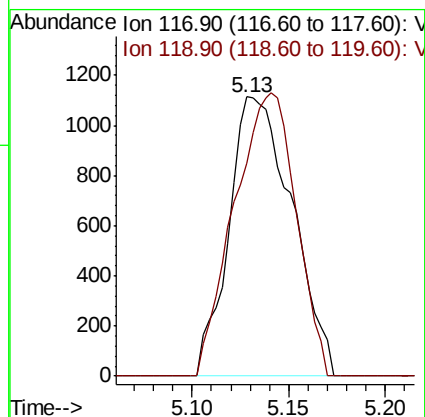
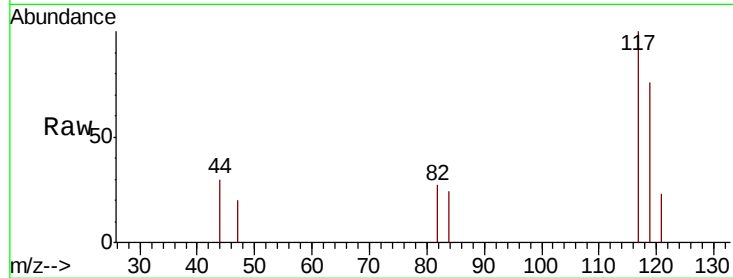
MDL06

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#33

Benzene

Concen: 0.322 ug/L

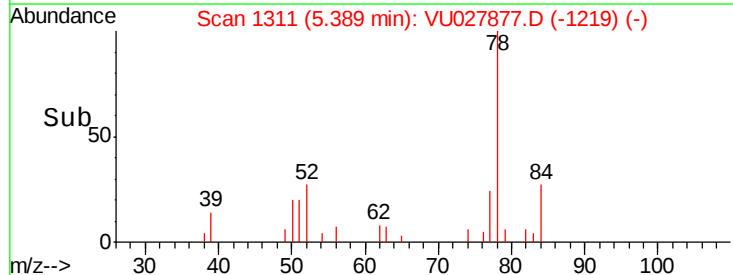
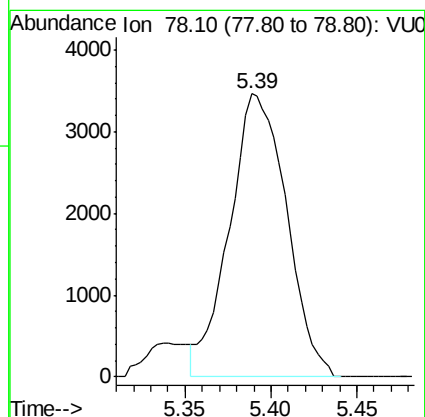
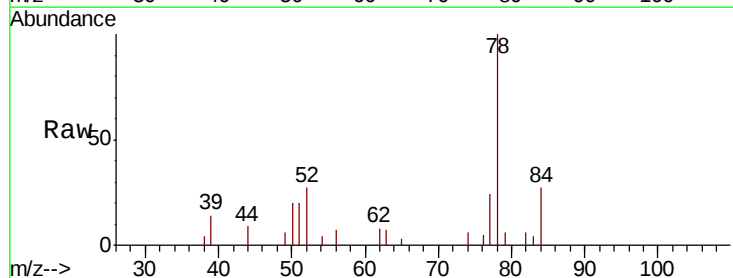
RT: 5.39 min Scan# 1311

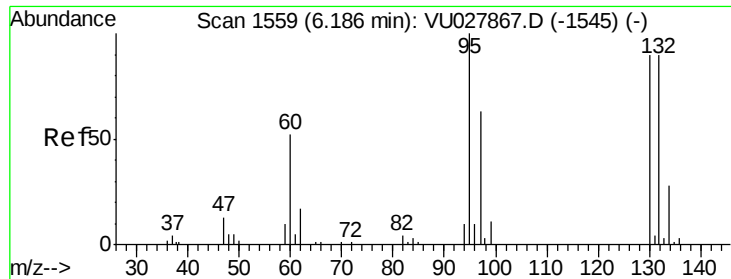
Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tgt Ion: 78 Resp: 8015





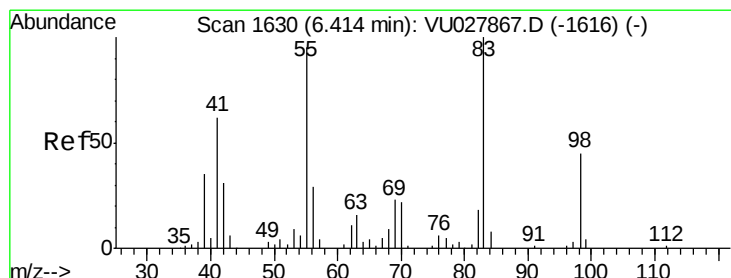
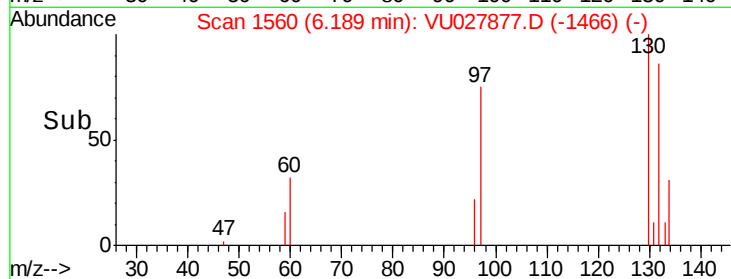
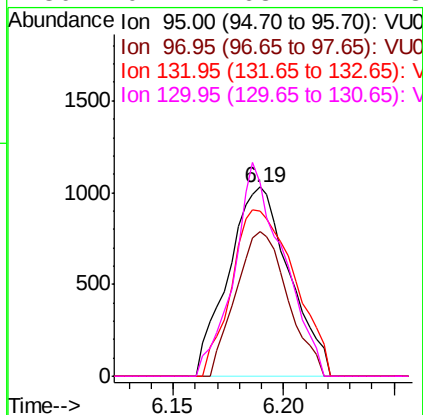
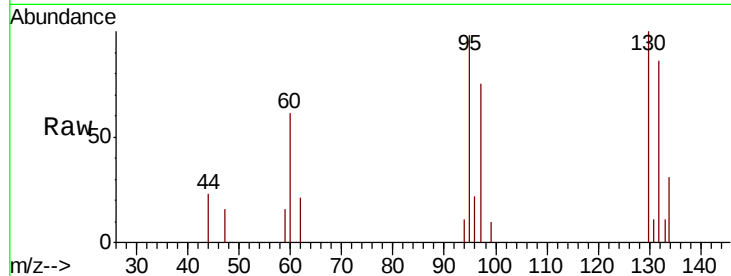
#34
 Trichloroethene
 Concen: 0.304 ug/L
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 95 Resp: 1972
 Ion Ratio Lower Upper
 95 100
 97 76.3 44.0 81.6
 132 87.6 63.3 117.5
 130 102.1 63.1 117.3

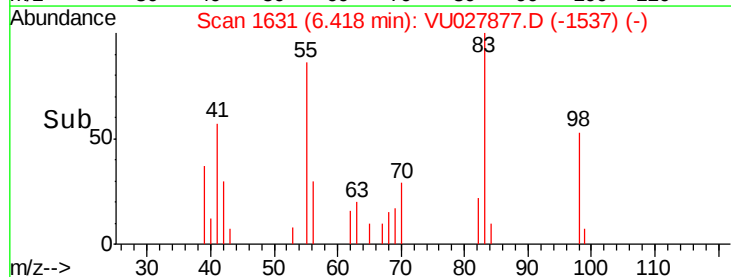
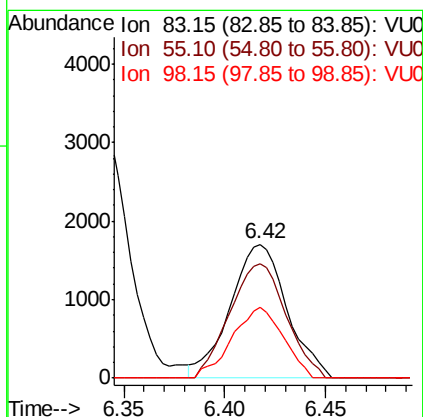
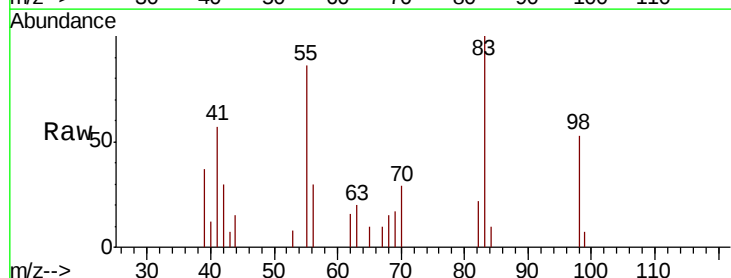
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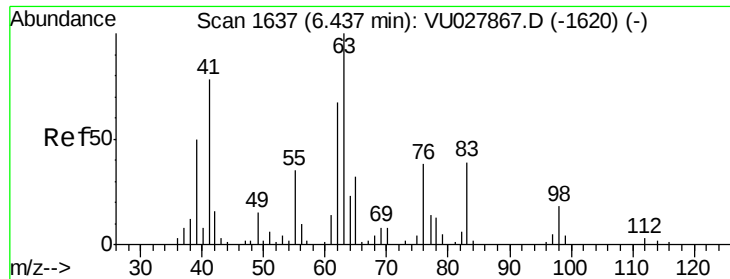
MMDadoda
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#35
 Methylcyclohexane
 Concen: 0.303 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion: 83 Resp: 3340
 Ion Ratio Lower Upper
 83 100
 55 84.8 73.4 110.0
 98 47.6 35.3 52.9





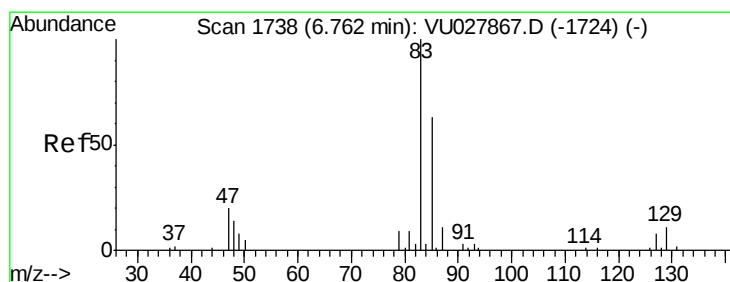
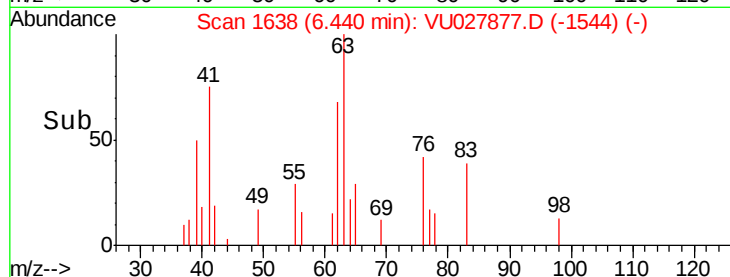
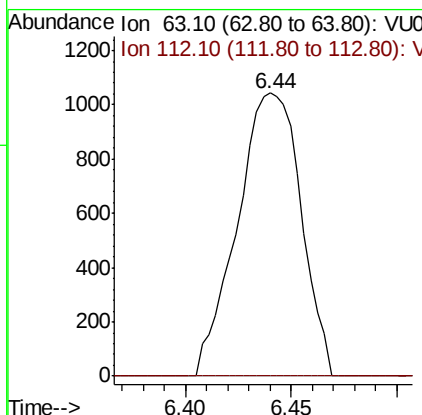
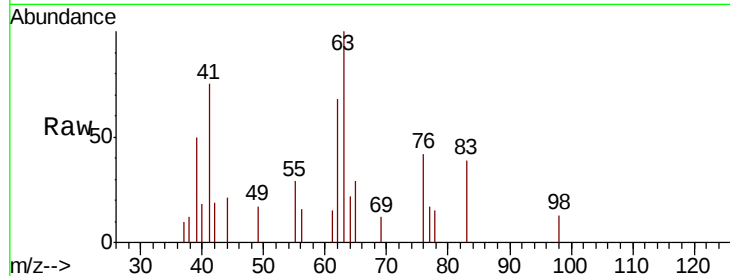
#37
 1,2-Dichloropropane
 Concen: 0.308 ug/L
 RT: 6.44 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 2188
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#

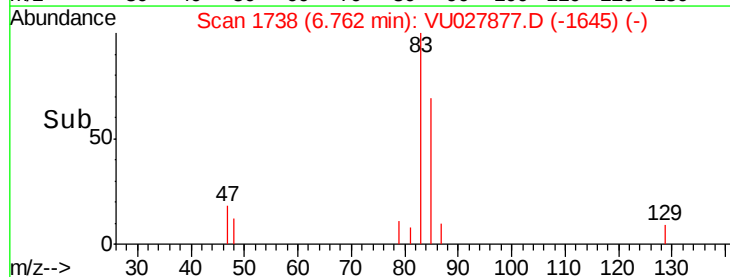
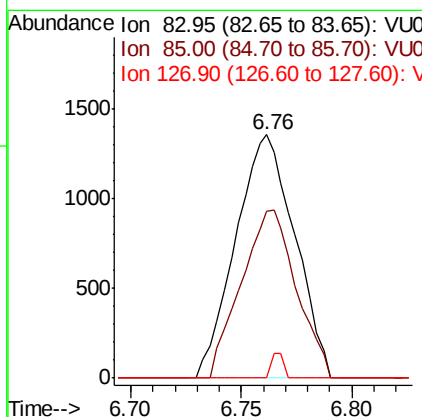
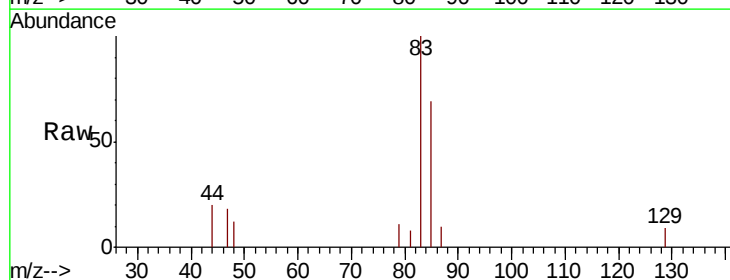
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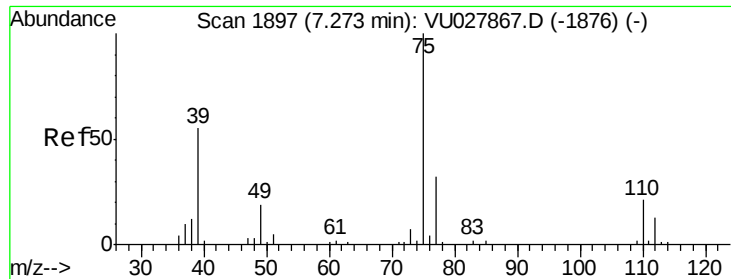
MMDadoda
 11/1/2018 11:15:54 AM



#38
 Bromodichloromethane
 Concen: 0.303 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion: 83 Resp: 2515
 Ion Ratio Lower Upper
 83 100
 85 68.6 43.8 81.4
 127 0.0 6.4 9.6#





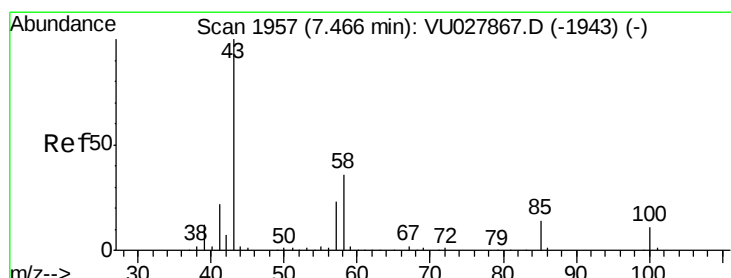
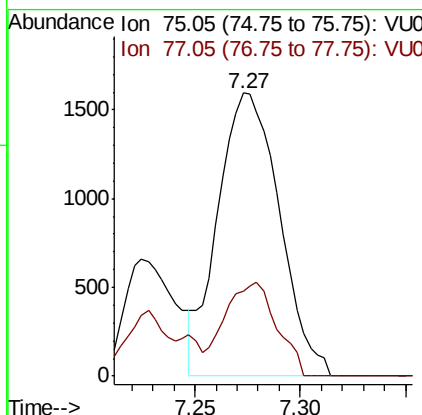
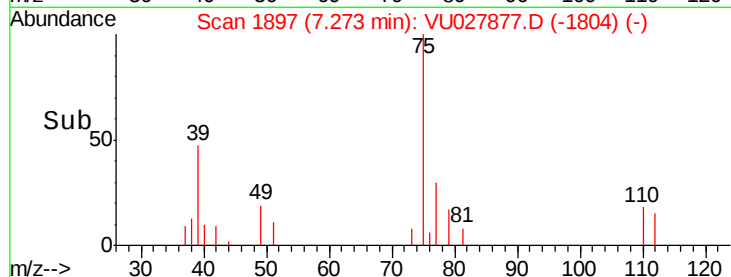
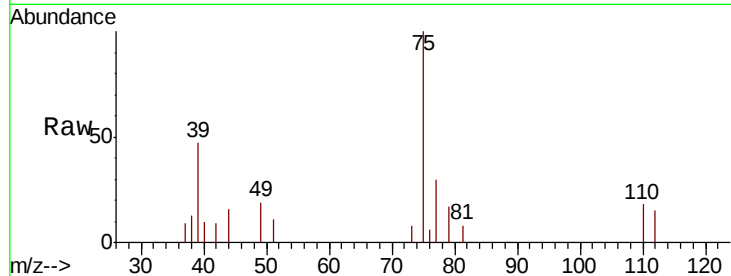
#39
 cis-1,3-Dichloropropene
 Concen: 0.318 ug/L
 RT: 7.27 min Scan# 1897
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 3239
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.2 41.2

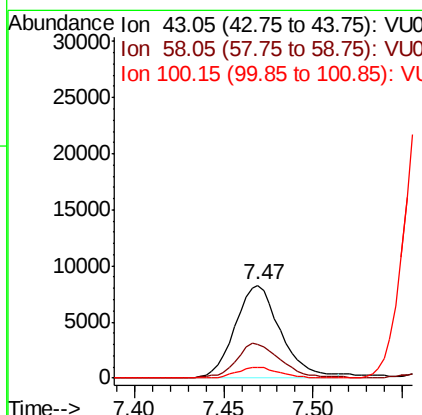
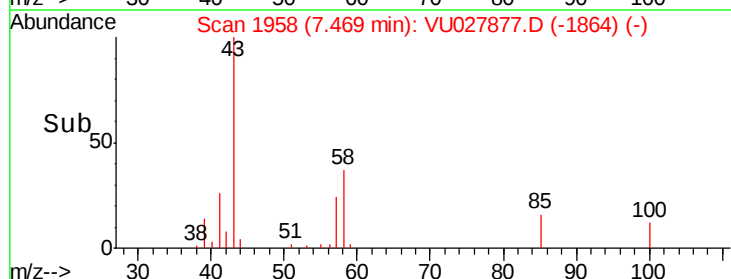
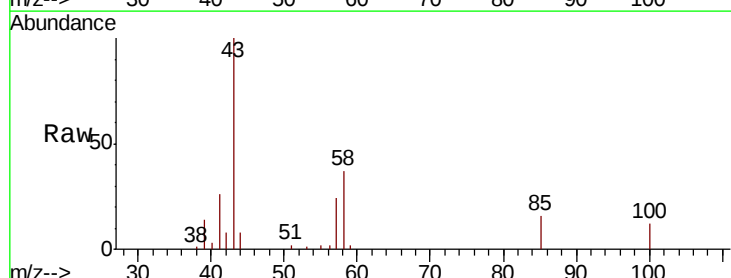
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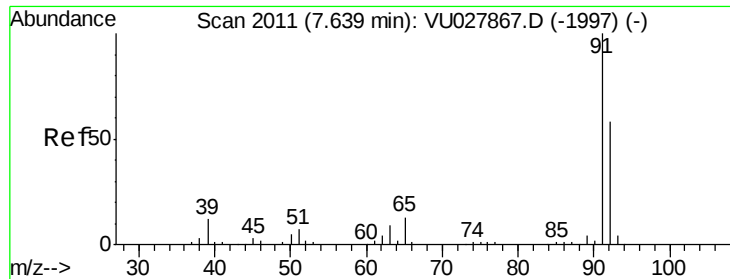
MMDadoda
 11/1/2018 11:15:54 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.952 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion: 43 Resp: 14805
 Ion Ratio Lower Upper
 43 100
 58 36.8 28.5 42.7
 100 0.0 8.8 13.2#





#42

Toluene

Concen: 0.338 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 8816

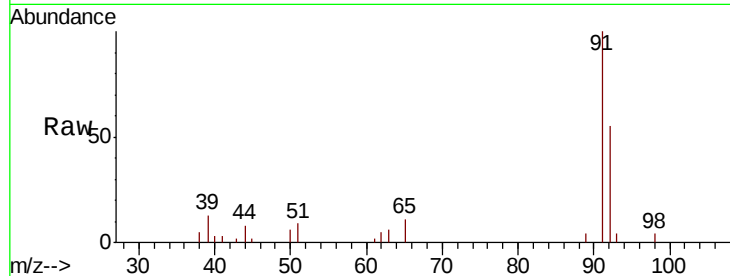
Ion Ratio Lower Upper

91 100

92 55.1 40.3 74.9

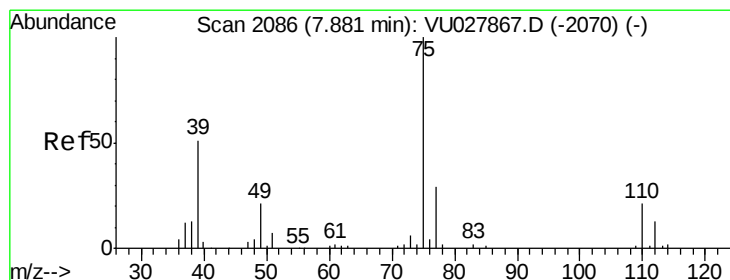
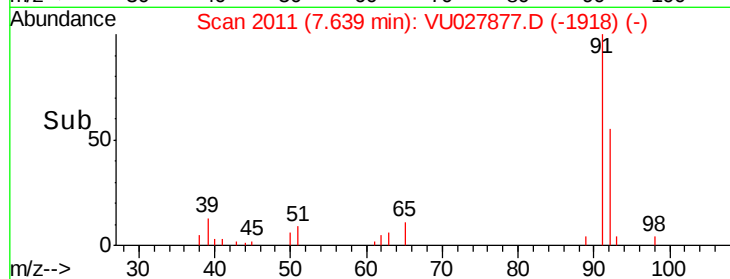
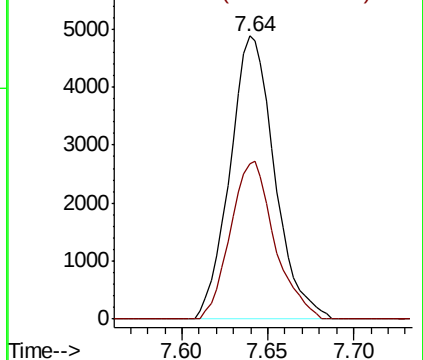
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MMDadoda
11/1/2018 11:15:54 AM



Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-1997) (-)

Ion 92.15 (91.85 to 92.85): VU027867.D (-1997) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.258 ug/L m

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU027877.D

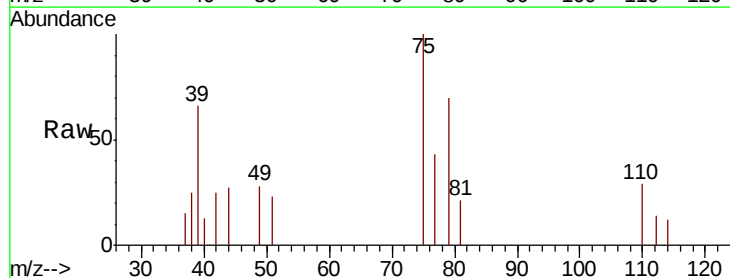
Acq: 30 Oct 2018 16:44

Tgt Ion: 75 Resp: 2256

Ion Ratio Lower Upper

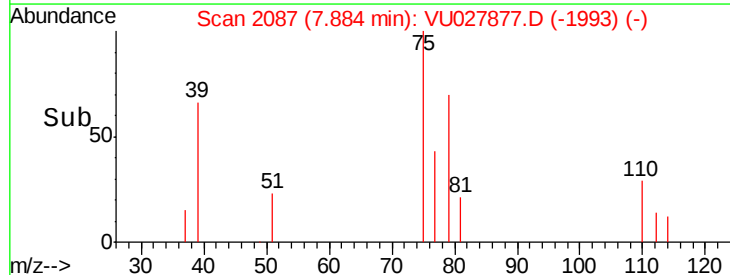
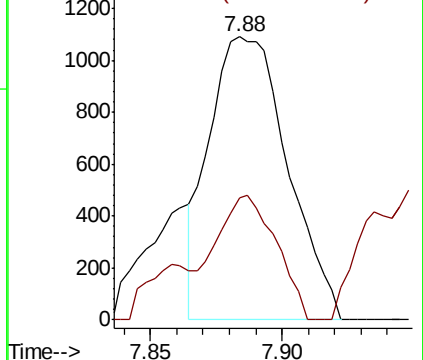
75 100

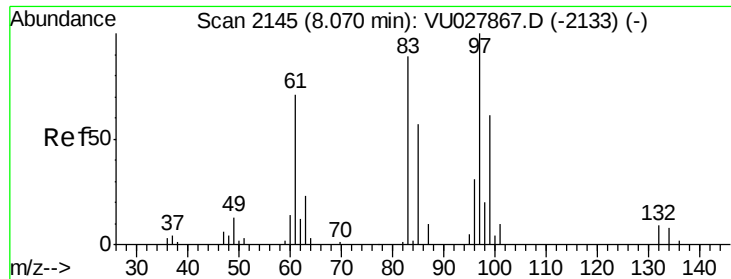
77 43.0 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU027867.D (-2070) (-)

Ion 77.05 (76.75 to 77.75): VU027867.D (-2070) (-)





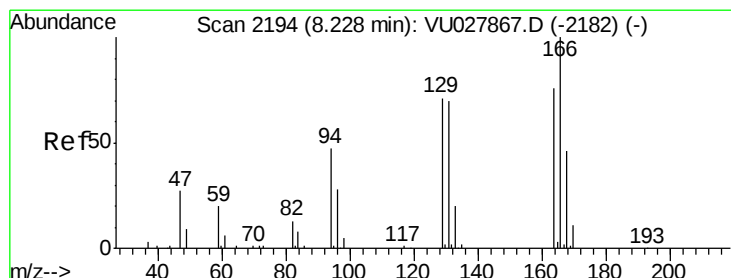
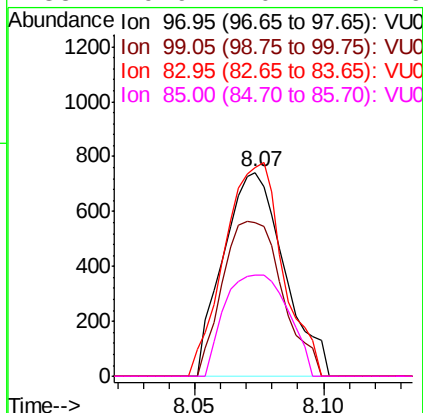
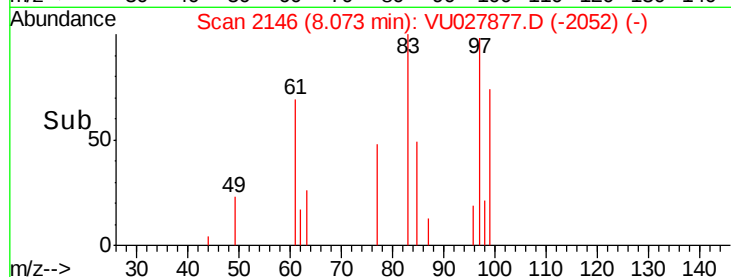
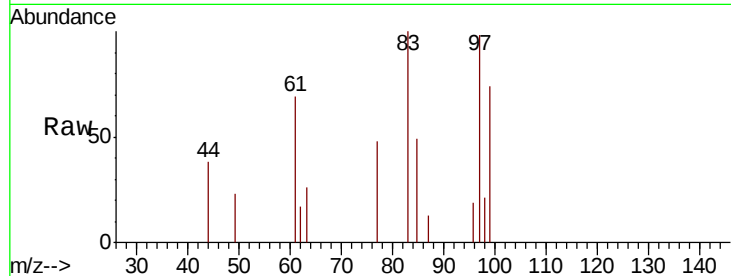
#45
 1,1,2-Trichloroethane
 Concen: 0.281 ug/L
 RT: 8.07 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	97	Resp:	1226
Ion	Ratio	Lower	Upper
97	100		
99	75.5	42.9	79.7
83	102.3	62.2	115.6
85	49.9	40.2	74.6

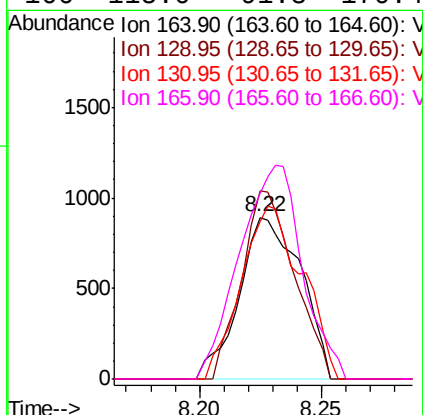
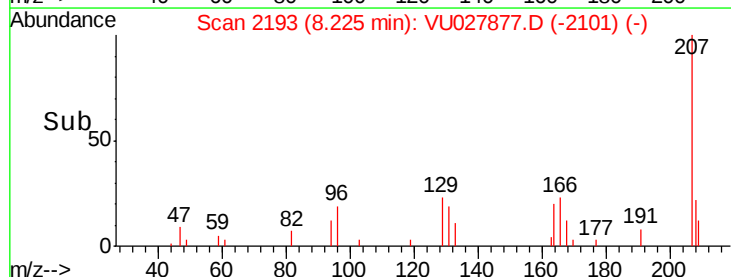
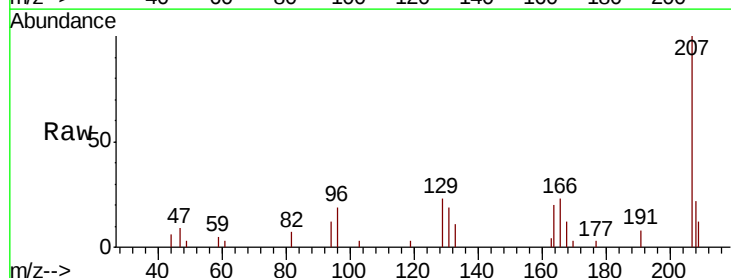
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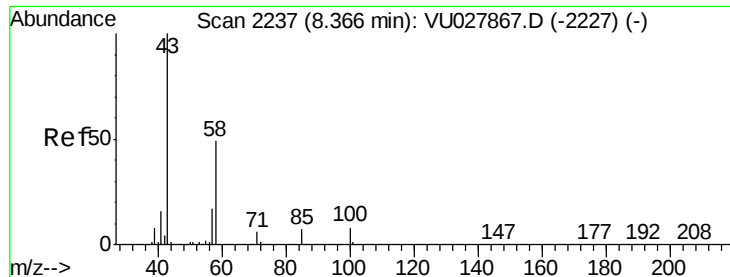
MMDadoda
 11/1/2018 11:15:54 AM



#47
 Tetrachloroethene
 Concen: 0.314 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion:	164	Resp:	1564
Ion	Ratio	Lower	Upper
164	100		
129	116.6	64.9	120.5
131	97.8	64.3	119.5
166	115.0	91.8	170.4





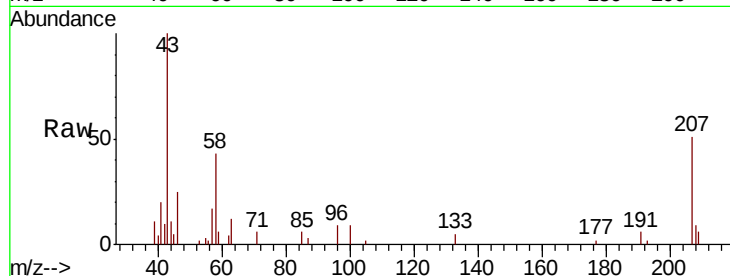
#48
2-Hexanone
Concen: 3.316 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampleId :
MDL06

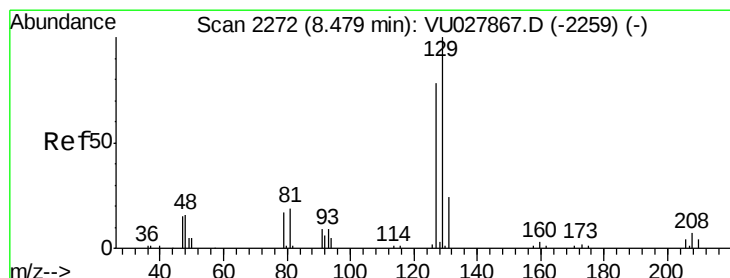
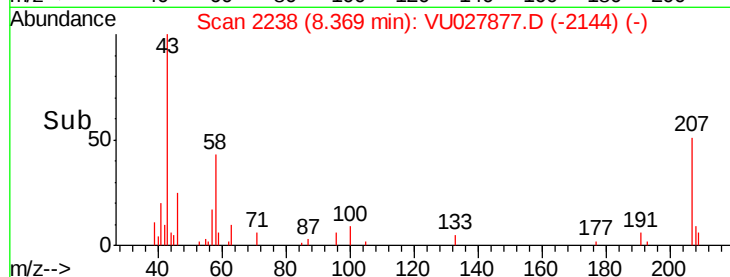
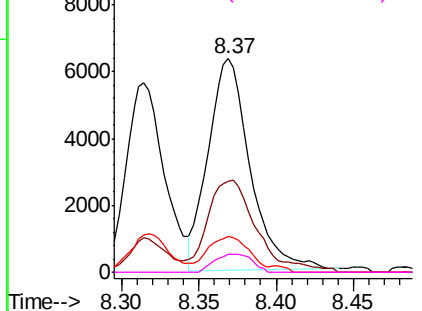
Tot Ion:	43	Resp:	11990
Ion Ratio	Lower	Upper	
43	100		
58	51.3	38.9	58.3
57	13.8	13.3	19.9
100	7.6	6.6	10.0

Manual Integrations
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MMDadoda
11/1/2018 11:15:54 AM

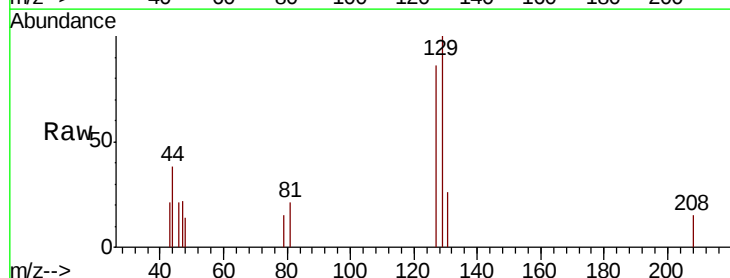


Abundance Ion 43.05 (42.75 to 43.75): VU027867.D (-2227) (-)
Ion 58.05 (57.75 to 58.75): VU027867.D (-2227) (-)
Ion 57.20 (56.90 to 57.90): VU027867.D (-2227) (-)
Ion 100.15 (99.85 to 100.85): VU027867.D (-2227) (-)

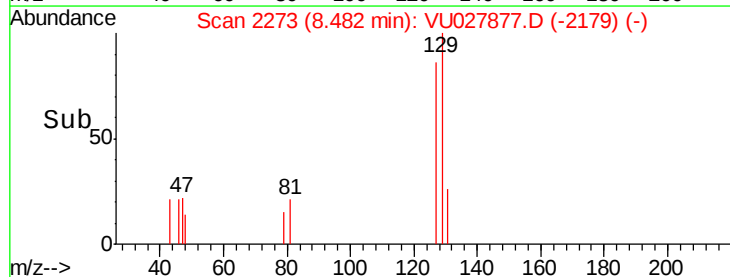
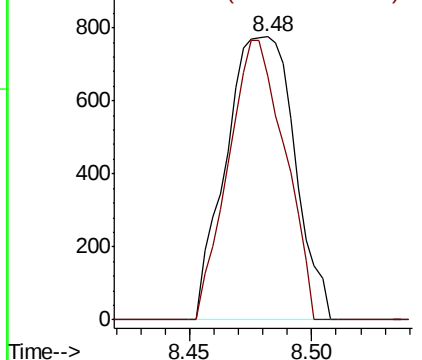


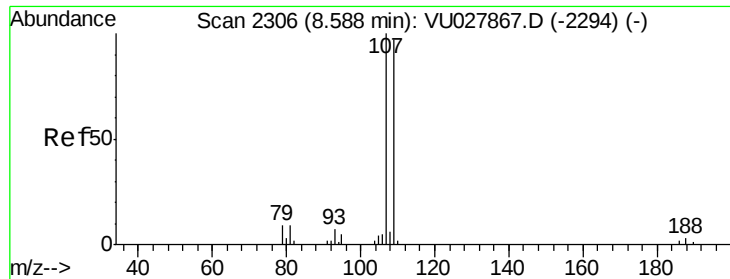
#49
Dibromochloromethane
Concen: 0.286 ug/L
RT: 8.48 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion:	129	Resp:	1510
Ion Ratio	Lower	Upper	
129	100		
127	85.9	54.5	101.1



Abundance Ion 128.95 (128.65 to 129.65): VU027867.D (-2259) (-)
Ion 126.90 (126.60 to 127.60): VU027867.D (-2259) (-)





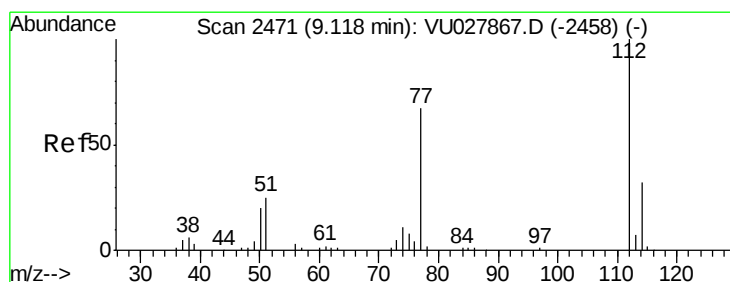
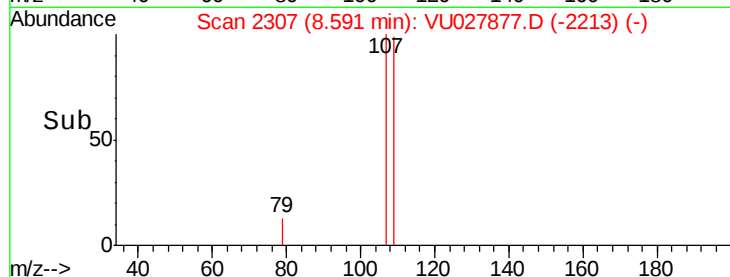
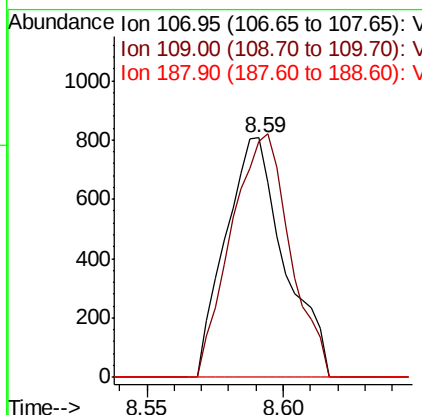
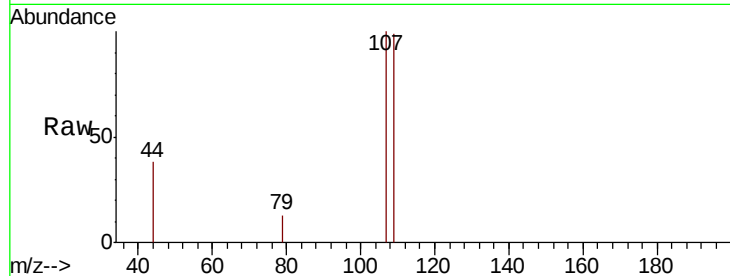
#50
1,2-Dibromoethane
Concen: 0.290 ug/L
RT: 8.59 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Resp	Lower	Upper
107	100	1211		
109	98.6	68.0	126.4	
188	0.0	2.7	4.1#	

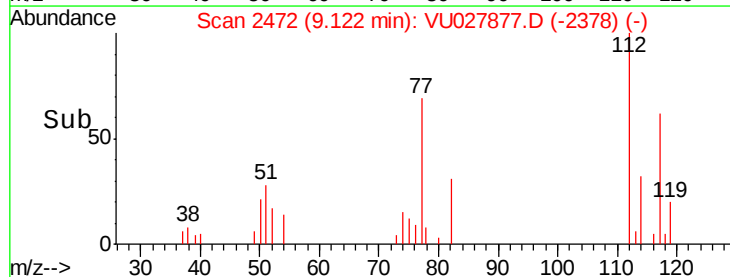
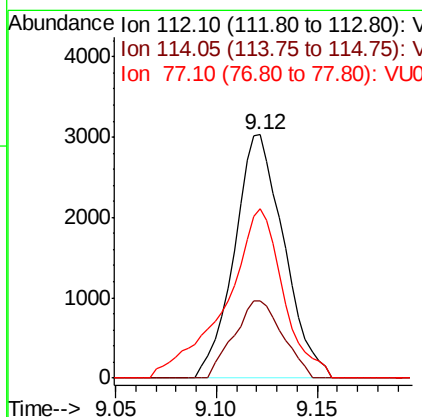
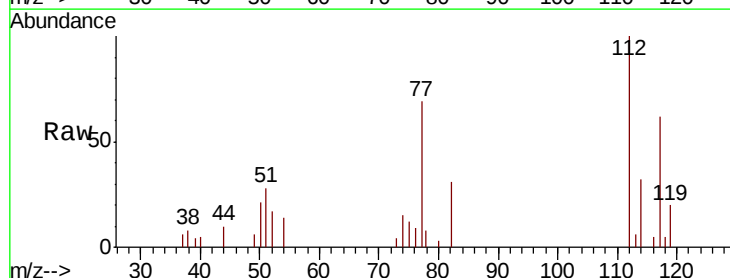
Manual Integrations
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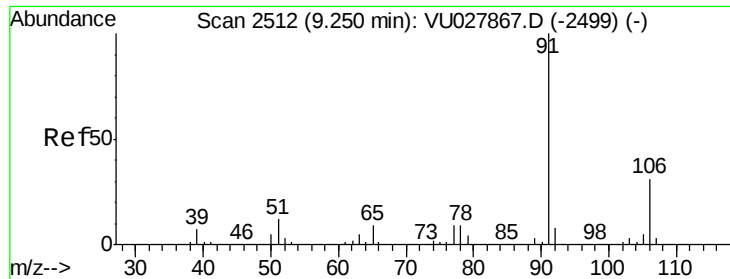
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11/1/2018 11:15:54 AM



#51
Chlorobenzene
Concen: 0.322 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	5211		
114	31.9	22.0	41.0	
77	69.4	54.3	81.5	





#52

Ethylbenzene

Concen: 0.321 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tot Ion: 91 Resp: 9545

Ion Ratio Lower Upper

91 100

106 28.5 21.5 39.9

Instrument :

MSVOA_U

ClientSampled :

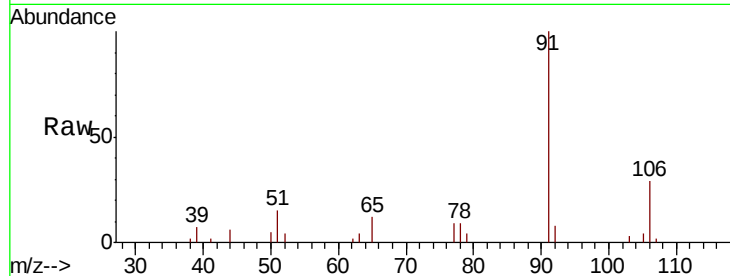
MDL06

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Abundance Ion 91.15 (90.85 to 91.85): VU027867.D (-2499) (-)

Ion 106.15 (105.85 to 106.85): VU027867.D (-2499) (-)

9.25

6000

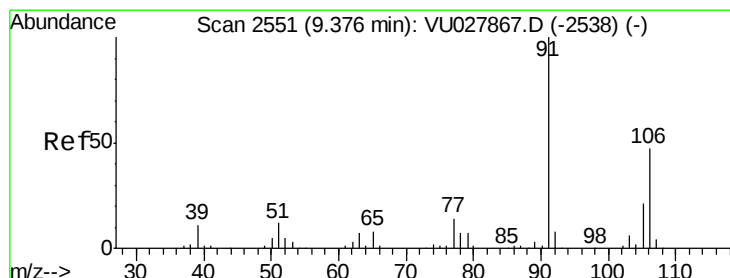
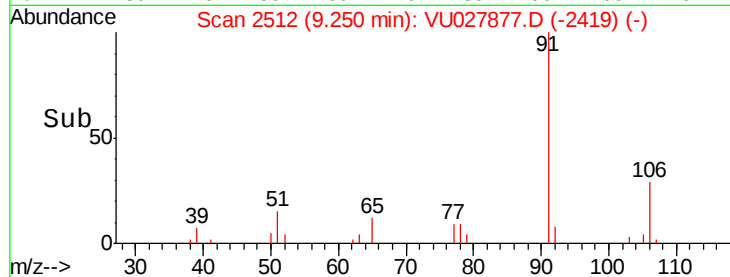
4000

2000

0

9.20 9.25 9.30

Time-->



#53

m,p-xylene

Concen: 0.302 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027877.D

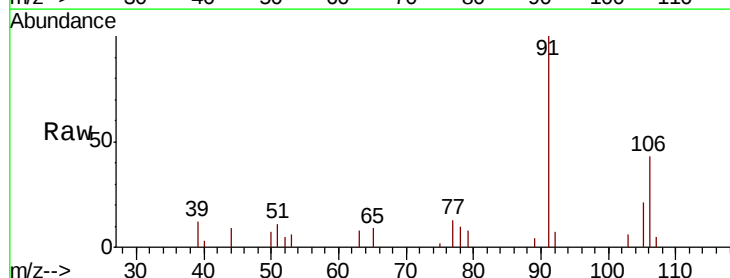
Acq: 30 Oct 2018 16:44

Tgt Ion: 106 Resp: 3255

Ion Ratio Lower Upper

106 100

91 232.3 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027867.D (-2538) (-)

Ion 91.15 (90.85 to 91.85): VU027867.D (-2538) (-)

9.38

5000

4000

3000

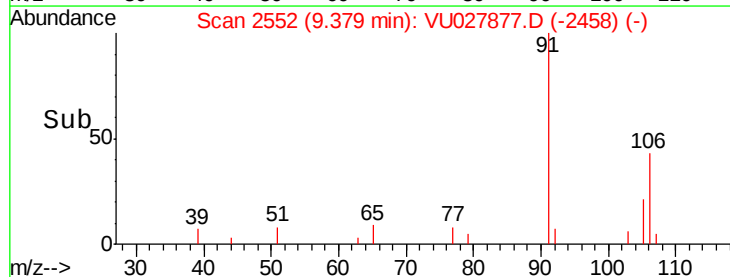
2000

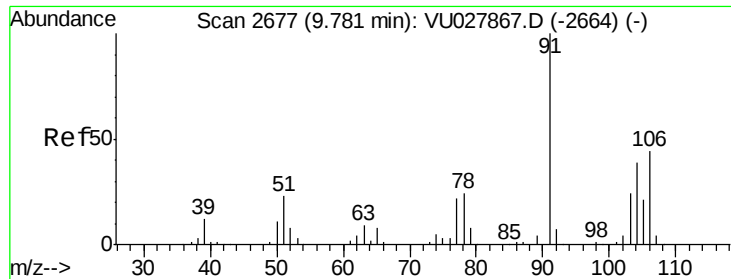
1000

0

9.35 9.40

Time-->





#54

o-xylene

Concen: 0.313 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027877.D

Acq: 30 Oct 2018 16:44

Tot Ion:106 Resp: 3317

Ion Ratio Lower Upper

106 100

91 234.3 158.3 293.9

Instrument :

MSVOA_U

ClientSampled :

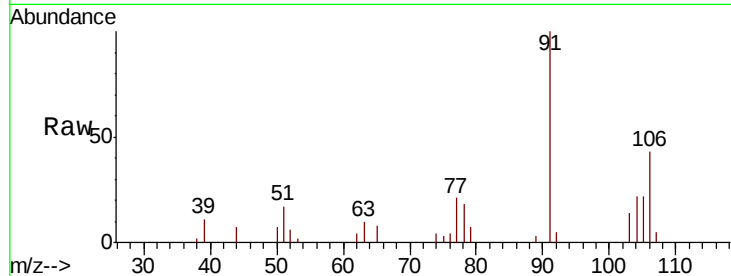
MDL06

Manual Integrations

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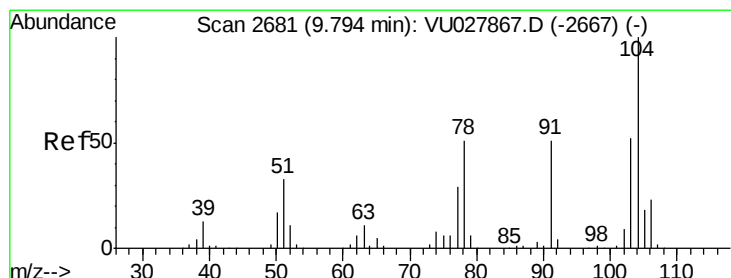
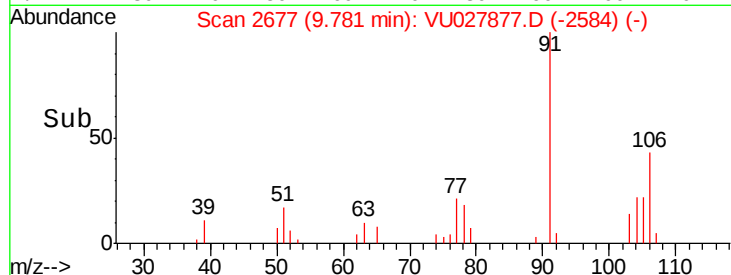
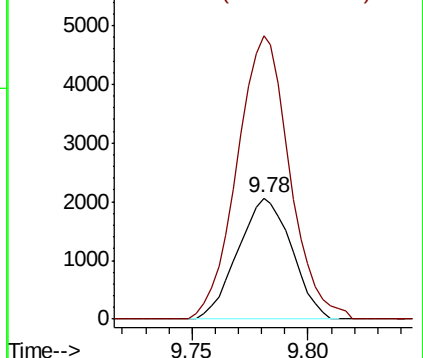
MMDadoda

11/1/2018 11:15:54 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.299 ug/L

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027877.D

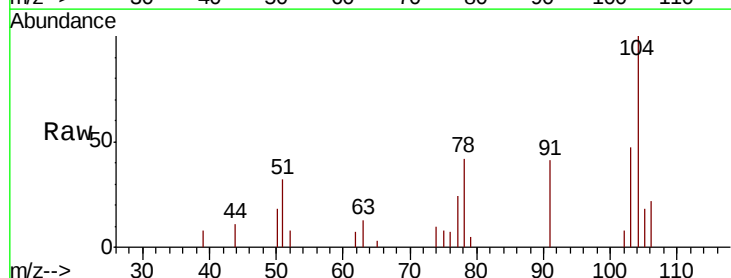
Acq: 30 Oct 2018 16:44

Tgt Ion:104 Resp: 5310

Ion Ratio Lower Upper

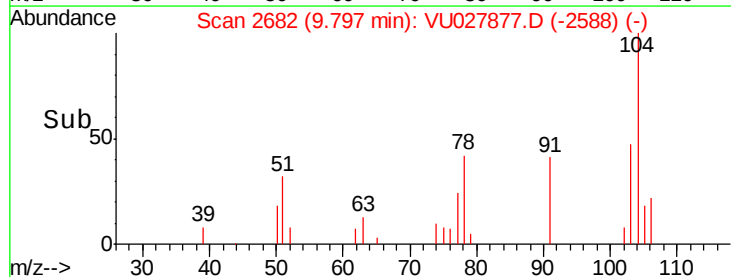
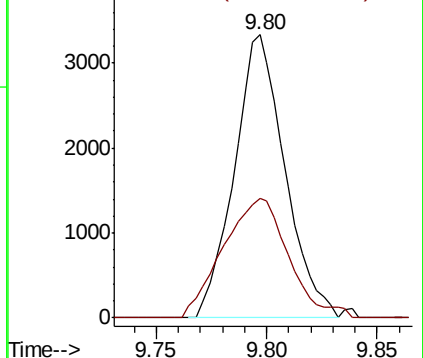
104 100

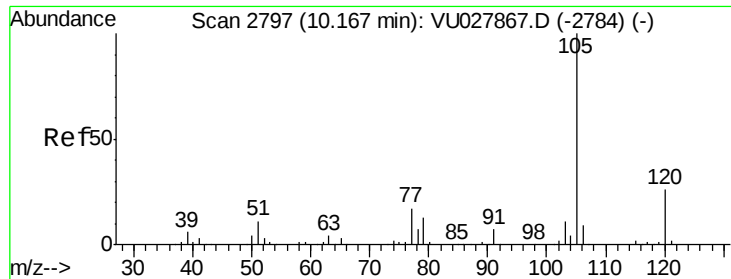
78 42.3 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





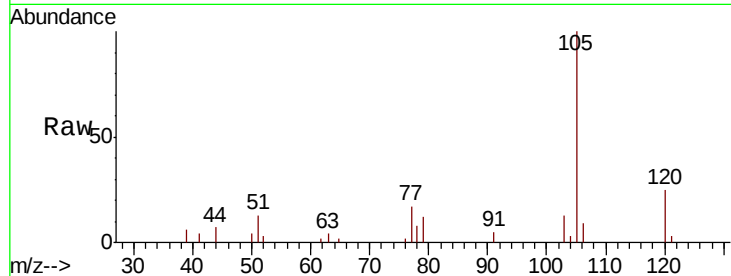
#56
Isopropylbenzene
Concen: 0.296 ug/L
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampled :
MDL06

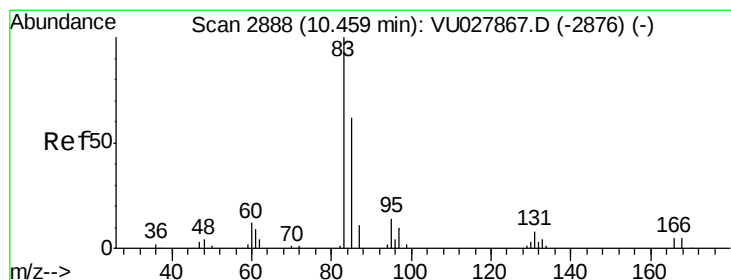
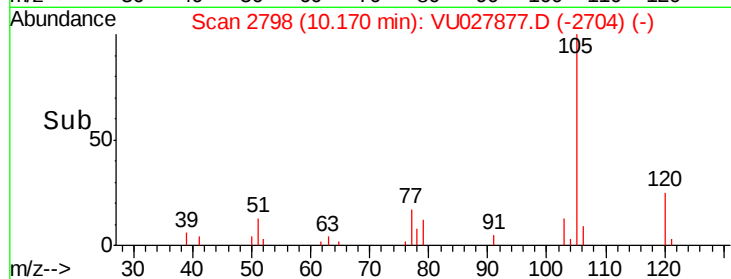
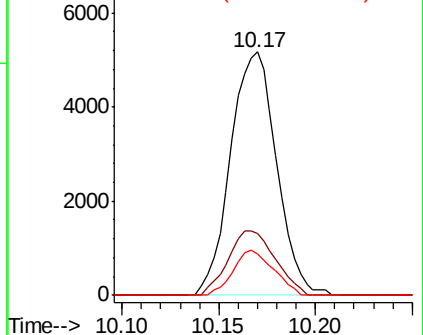
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.2	30.2
77	16.1	13.4	20.2

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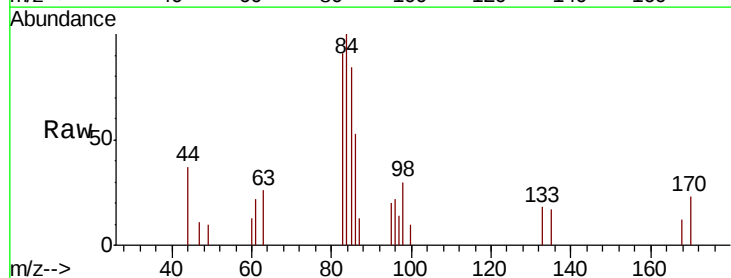


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

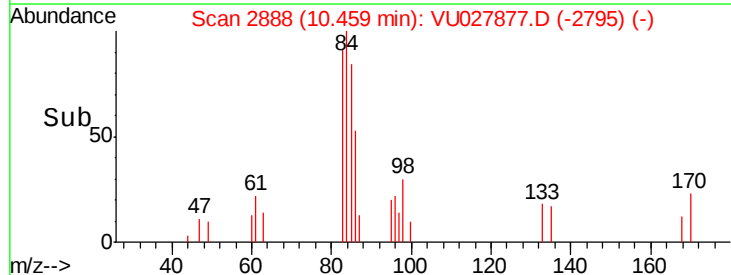
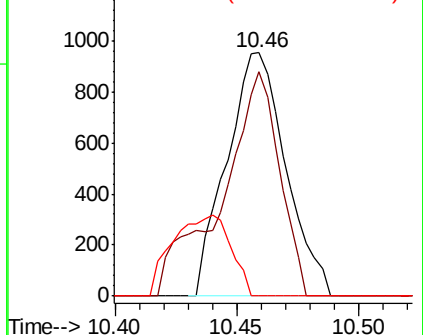


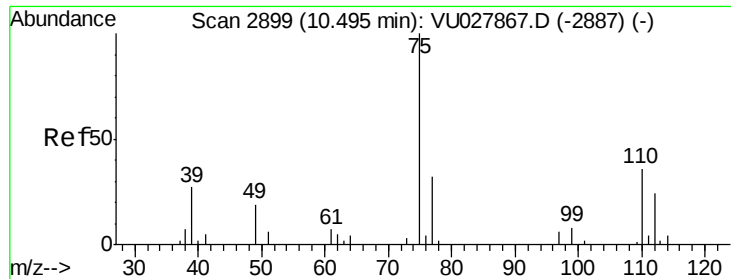
#58
1,1,2,2-Tetrachloroethane
Concen: 0.281 ug/L
RT: 10.46 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	92.0	44.4	82.4#
131	0.0	6.8	10.2#



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





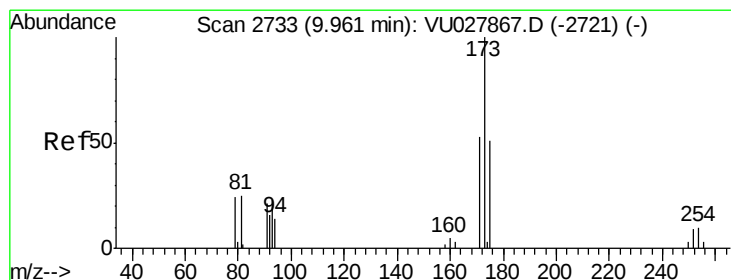
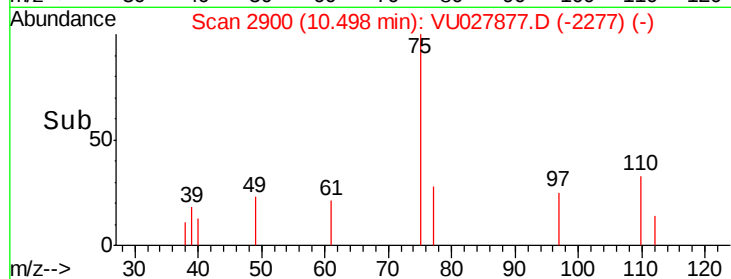
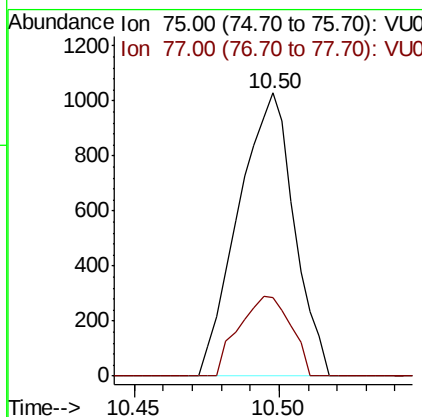
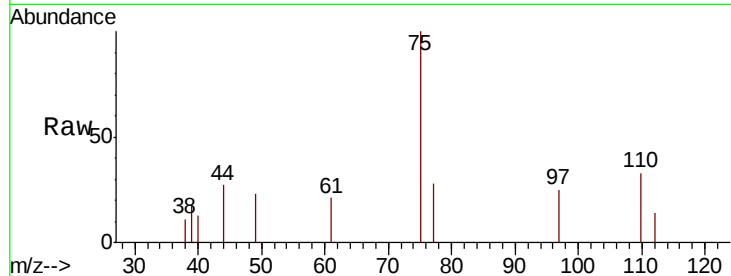
#59
1,2,3-Trichloropropane
Concen: 0.319 ug/L
RT: 10.50 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 75 Resp: 1373
Ion Ratio Lower Upper
75 100
77 26.1 25.8 38.6

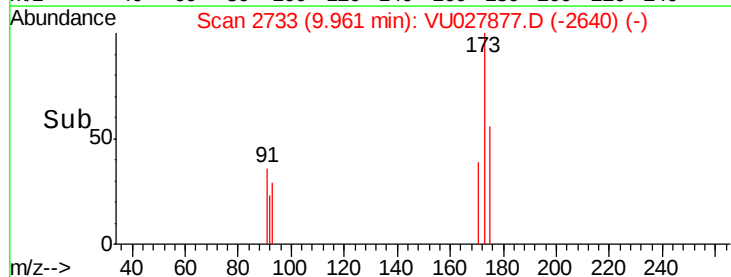
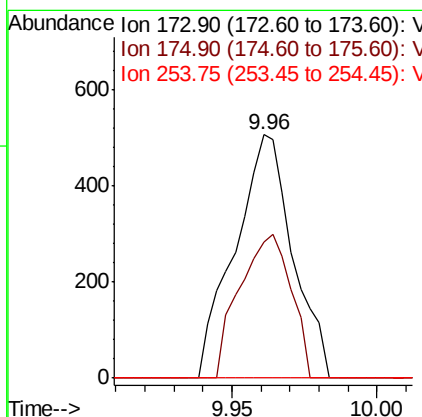
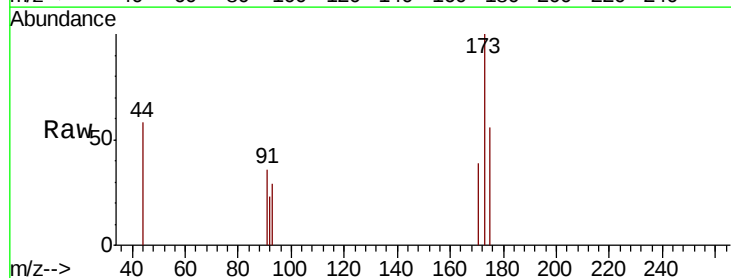
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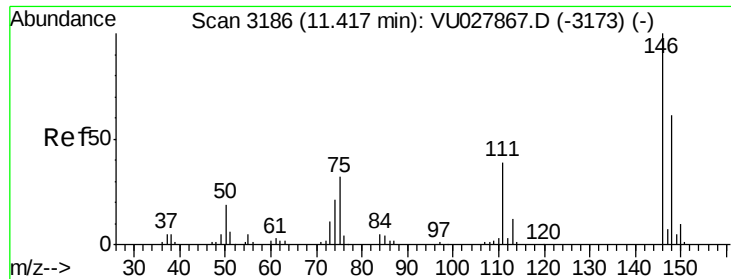
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#61
Bromoform
Concen: 0.247 ug/L
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion: 173 Resp: 704
Ion Ratio Lower Upper
173 100
175 52.4 38.3 57.5
254 0.0 7.8 11.6#





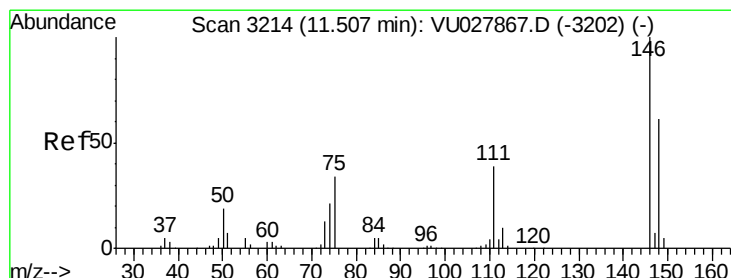
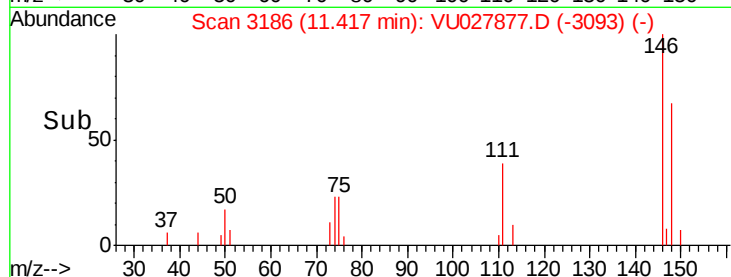
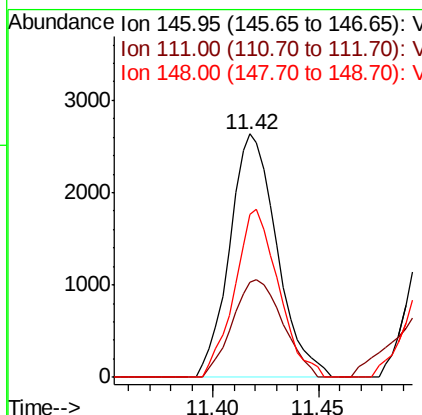
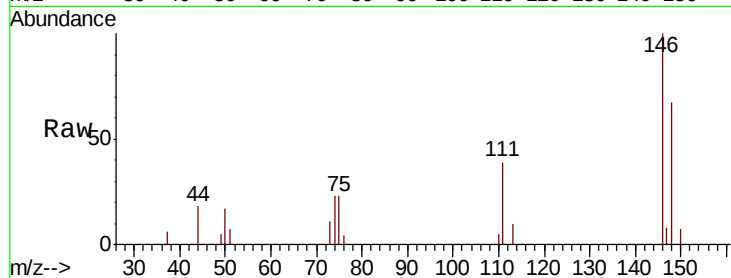
#62
 1,3-Dichlorobenzene
 Concen: 0.328 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.4	51.0
148	67.0	42.6	79.0

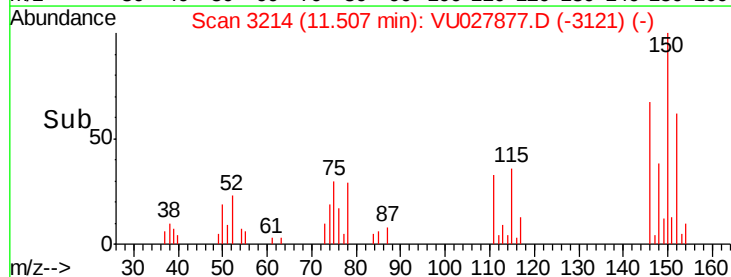
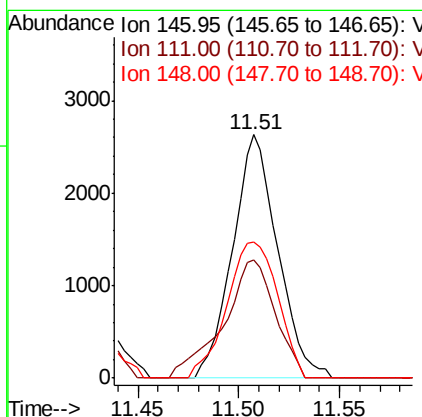
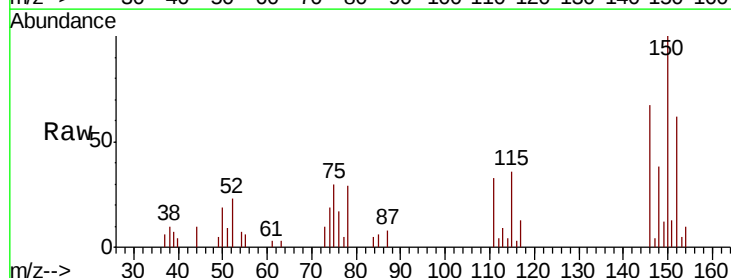
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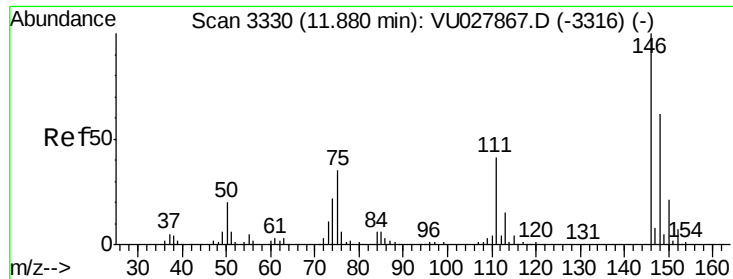
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#63
 1,4-Dichlorobenzene
 Concen: 0.331 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	27.4	51.0
148	56.1	43.1	80.1





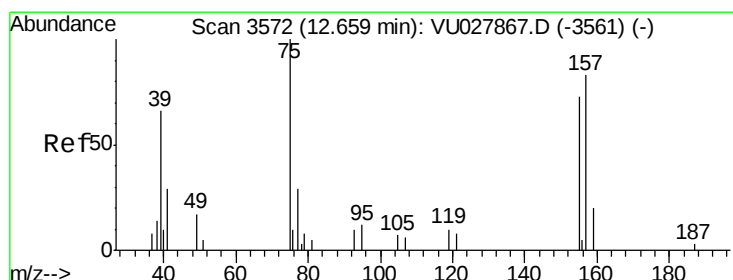
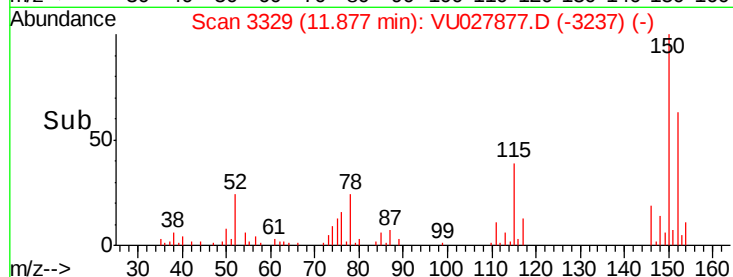
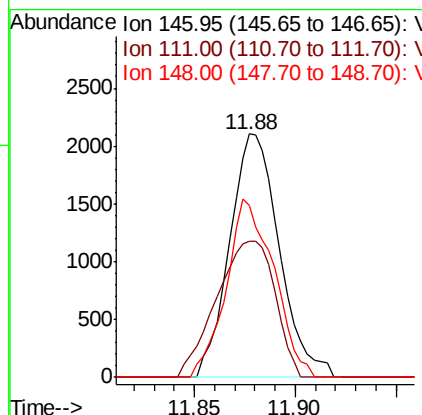
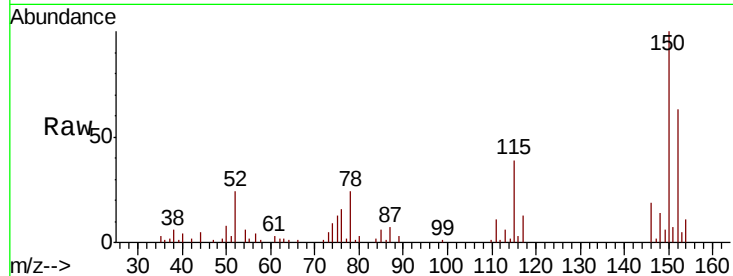
#65
 1,2-Dichlorobenzene
 Concen: 0.308 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.9	33.0	49.4#
148	70.8	49.2	73.8

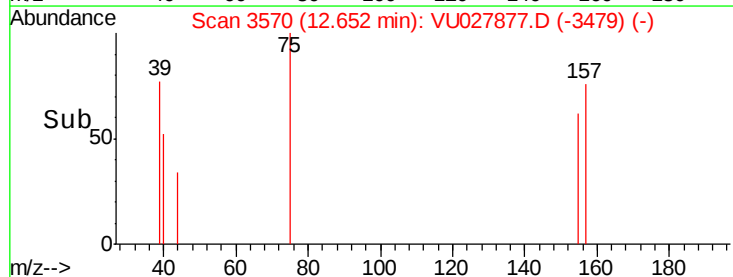
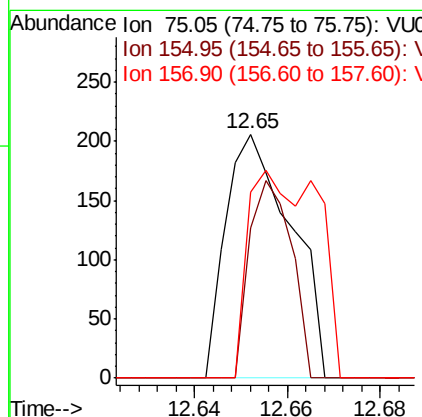
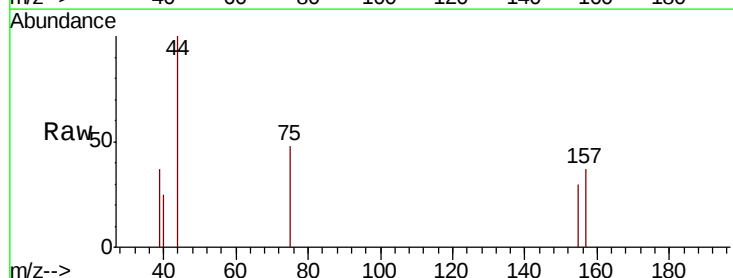
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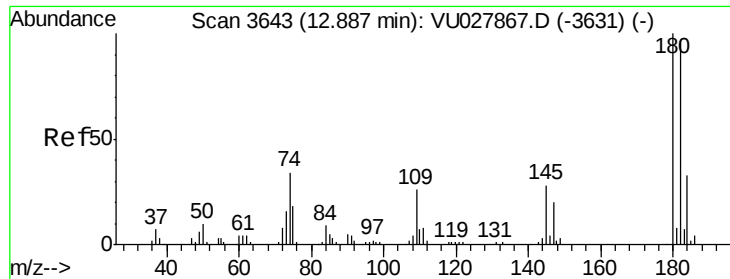
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.218 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.01 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	61.7	58.6	87.8
157	76.2	66.7	100.1





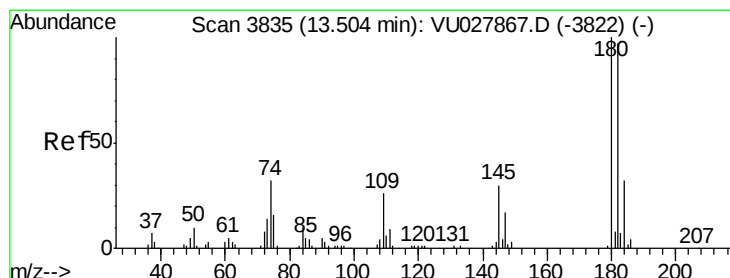
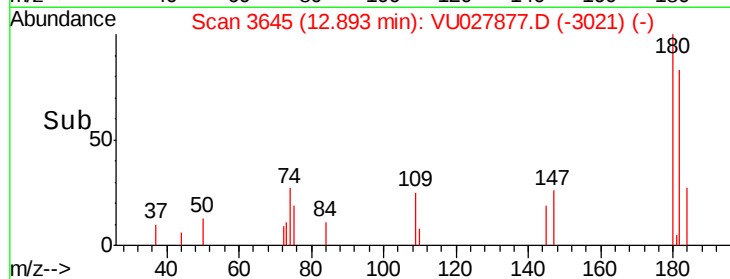
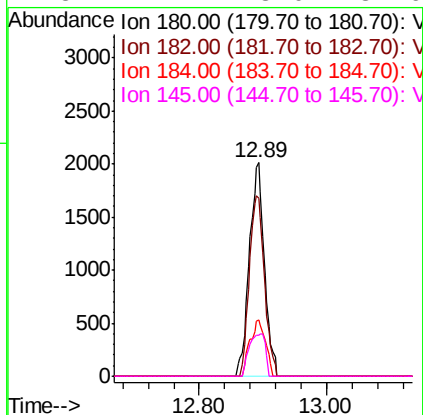
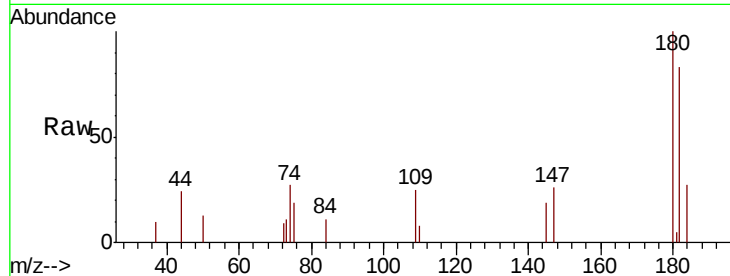
#67
 1,3,5-Trichlorobenzene
 Concen: 0.328 ug/L m
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	66.1	77.3	115.9#
184	22.7	24.6	37.0#
145	22.2	23.0	34.6#

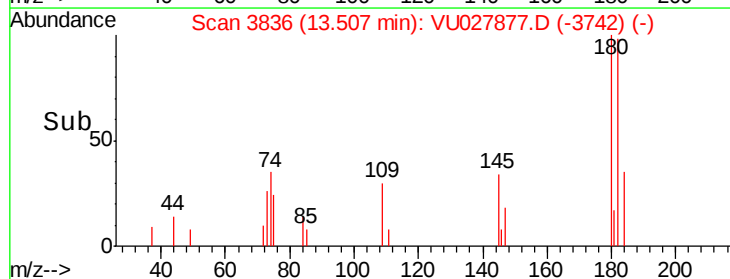
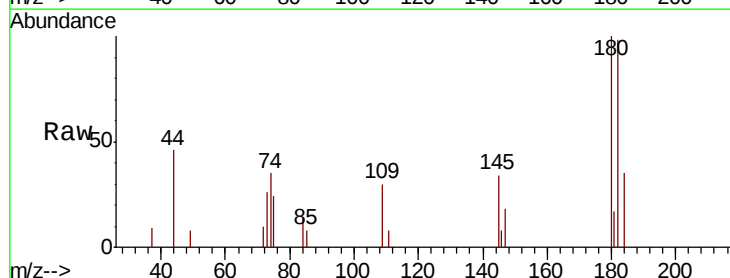
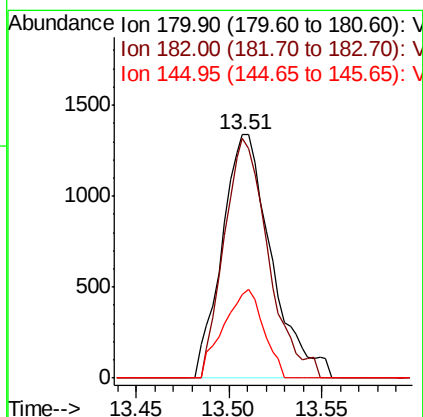
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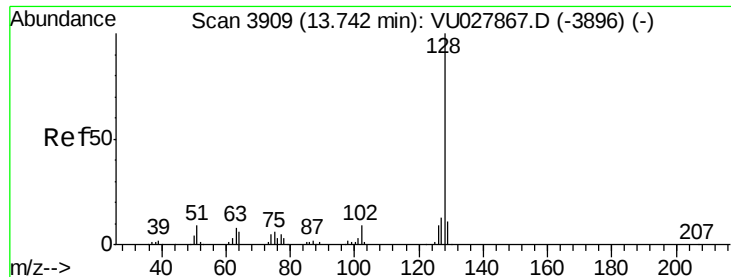
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#68
 1,2,4-trichlorobenzene
 Concen: 0.290 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027877.D
 Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.1	77.8	116.6
145	29.6	22.9	34.3





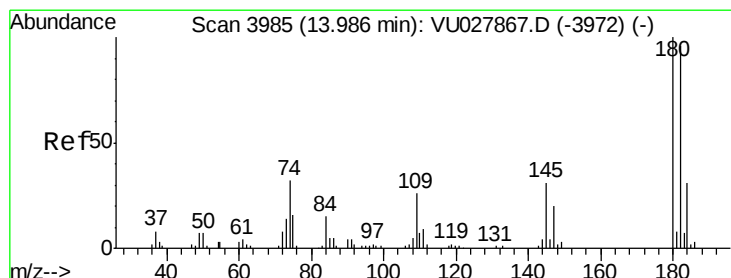
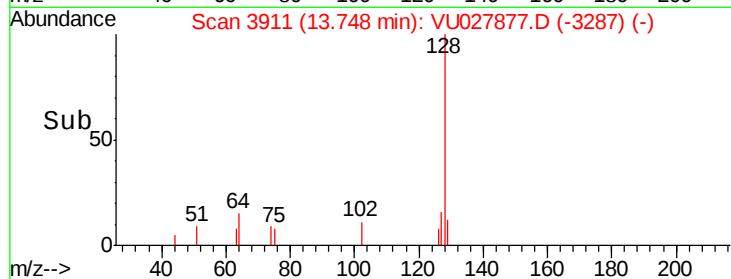
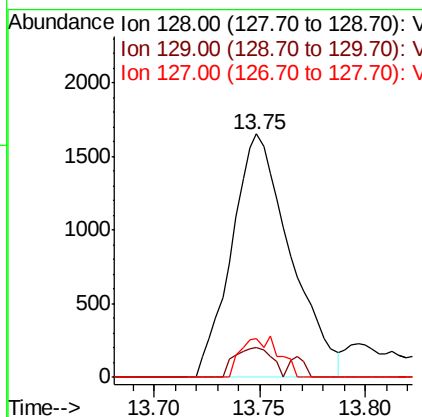
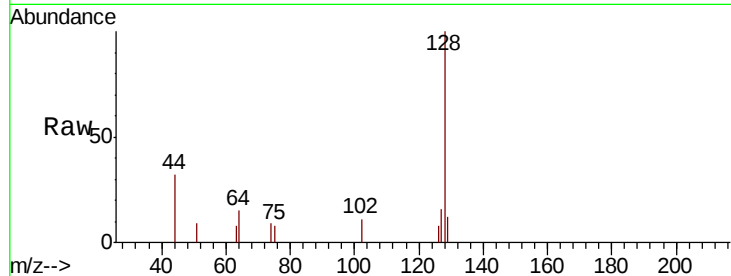
#69
Naphthalene
Concen: 0.240 ug/L
RT: 13.75 min Scan# 3911
Delta R.T. 0.01 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	7.7	8.6	12.8#
127	10.6	10.5	15.7

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#70
1,2,3-Trichlorobenzene
Concen: 0.336 ug/L
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027877.D
Acq: 30 Oct 2018 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.6	79.4	119.0
145	20.0	25.4	38.0#

