

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110118\
 Data File : VU027899.D
 Acq On : 01 Nov 2018 13:11
 Operator : MD/SY
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 4:10:26 PM

Quant Time: Nov 02 07:26:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR103018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 02 08:02:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	83070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	79842	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	40723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	23568	3.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.60%
7) Chloroethane-d5	1.68	69	18316	3.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.20%
11) 1,1-Dichloroethene-d2	2.28	63	36820	2.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.80%#
20) 2-Butanone-d5	4.20	46	84633	43.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.42%
24) Chloroform-d	4.65	84	43737	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
26) 1,2-Dichloroethane-d4	5.31	65	30859	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.34	84	86536	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.33	67	30994	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.00%
41) Toluene-d8	7.57	98	79230	3.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.20%
43) trans-1,3-Dichloropropene-	7.85	79	11380	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	8.31	63	67472	41.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	22367	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	30493	3.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.20%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	2405	0.294	ug/L	93
3) Chloromethane	1.33	50	2079	0.256	ug/L	91
5) Vinyl chloride	1.40	62	2291	0.284	ug/L	88
6) Bromomethane	1.63	94	660	0.249	ug/L #	66
8) Chloroethane	1.70	64	1829m	0.386	ug/L	
9) Trichlorofluoromethane	1.89	101	3154	0.294	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	1678	0.307	ug/L	93
12) 1,1-Dichloroethene	2.29	96	1671	0.324	ug/L #	1
13) Acetone	2.32	43	3997	3.275	ug/L	76
14) Carbon disulfide	2.48	76	4601	0.250	ug/L #	90
15) Methyl Acetate	2.62	43	1447	0.443	ug/L #	58
16) Methylene chloride	2.70	84	1808	0.312	ug/L	96
17) Methyl tert-butyl Ether	3.01	73	4211	0.274	ug/L	94
18) trans-1,2-Dichloroethene	2.98	96	1658	0.302	ug/L	85
19) 1,1-Dichloroethane	3.45	63	3174	0.274	ug/L #	82
21) 2-Butanone	4.29	43	5921	2.790	ug/L	91
22) cis-1,2-Dichloroethene	4.23	96	1598	0.252	ug/L	96

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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 02 08:02:52 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	4.55	128	681	0.259	ug/L #	91
25) Chloroform	4.67	83	7746	0.660	ug/L	98
27) 1,2-Dichloroethane	5.41	62	2611	0.319	ug/L	98
29) 1,1,1-Trichloroethane	4.92	97	2737	0.266	ug/L	96
30) Cyclohexane	4.99	56	3204	0.265	ug/L	98
31) Carbon tetrachloride	5.13	117	2390	0.270	ug/L	93
33) Benzene	5.39	78	6763	0.267	ug/L	100
34) Trichloroethene	6.19	95	1679	0.255	ug/L	80
35) Methylcyclohexane	6.41	83	3102	0.277	ug/L	92
37) 1,2-Dichloropropane	6.43	63	2079	0.289	ug/L #	90
38) Bromodichloromethane	6.76	83	2443	0.290	ug/L #	99
39) cis-1,3-Dichloropropene	7.28	75	2641	0.256	ug/L	90
40) 4-Methyl-2-pentanone	7.47	43	13597	2.672	ug/L	98
42) Toluene	7.64	91	7187	0.272	ug/L	85
44) trans-1,3-Dichloropropene	7.88	75	2572	0.290	ug/L	96
45) 1,1,2-Trichloroethane	8.08	97	1033	0.233	ug/L #	66
47) Tetrachloroethene	8.23	164	1503	0.297	ug/L	88
48) 2-Hexanone	8.37	43	11278	3.074	ug/L #	93
49) Dibromochloromethane	8.48	129	1433	0.268	ug/L	94
50) 1,2-Dibromoethane	8.59	107	925	0.218	ug/L #	94
51) Chlorobenzene	9.12	112	4591	0.280	ug/L	91
52) Ethylbenzene	9.25	91	8019	0.266	ug/L	96
53) m,p-xylene	9.38	106	2682	0.245	ug/L	99
54) o-xylene	9.78	106	2408	0.224	ug/L	77
55) Styrene	9.79	104	4607	0.256	ug/L	88
56) Isopropylbenzene	10.17	105	7597	0.260	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	1525	0.264	ug/L #	96
59) 1,2,3-Trichloropropane	10.49	75	1132	0.259	ug/L	92
61) Bromoform	9.96	173	694	0.232	ug/L #	86
62) 1,3-Dichlorobenzene	11.42	146	3390	0.259	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	3446	0.263	ug/L	92
65) 1,2-Dichlorobenzene	11.88	146	3496	0.283	ug/L #	84
66) 1,2-Dibromo-3-chloropropan	12.66	75	190	0.196	ug/L #	10
67) 1,3,5-Trichlorobenzene	12.89	180	2629	0.249	ug/L #	96
68) 1,2,4-trichlorobenzene	13.51	180	1932	0.216	ug/L #	83
69) Naphthalene	13.75	128	3312	0.238	ug/L #	82
70) 1,2,3-Trichlorobenzene	13.99	180	2154	0.264	ug/L #	83

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

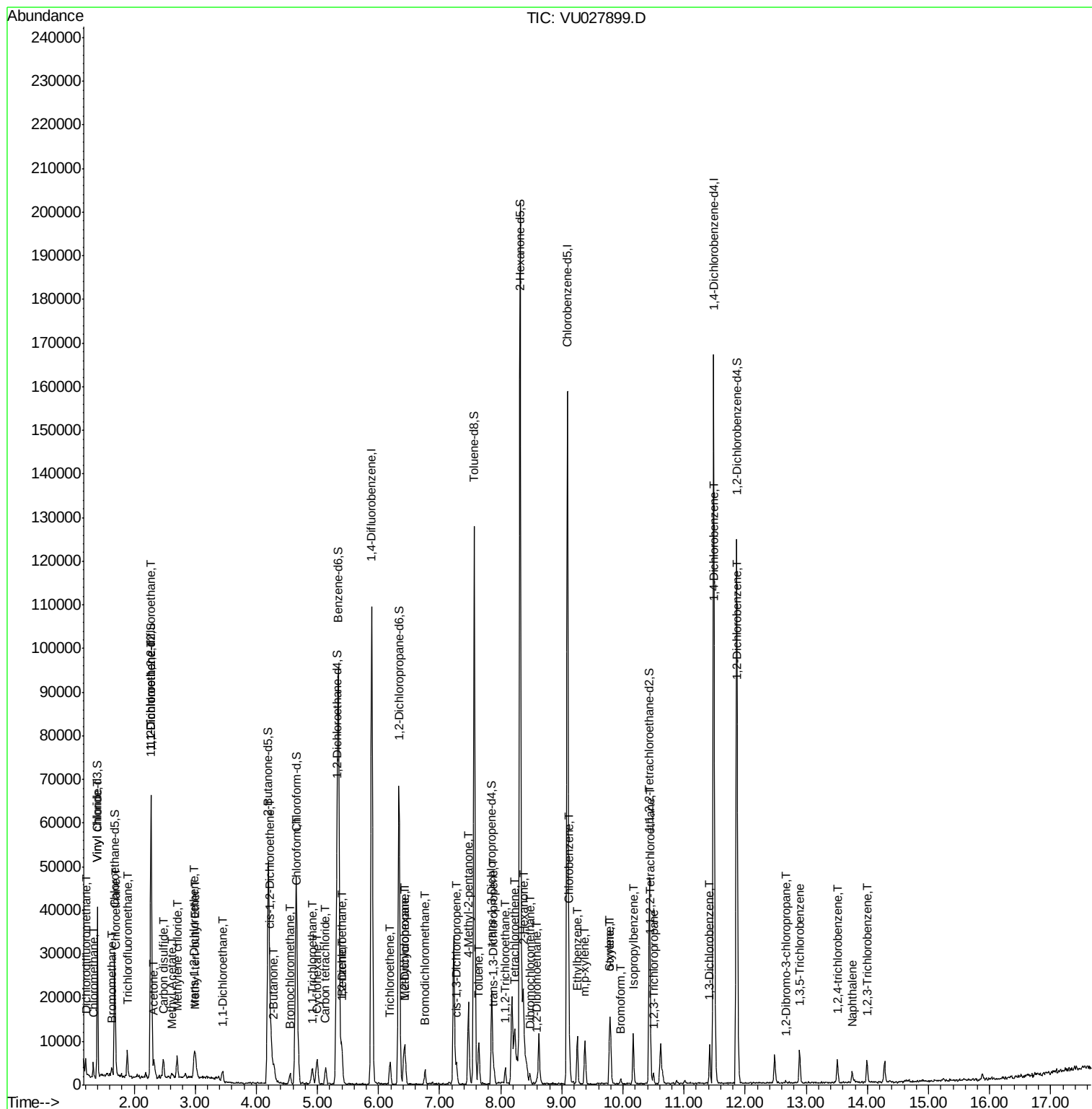
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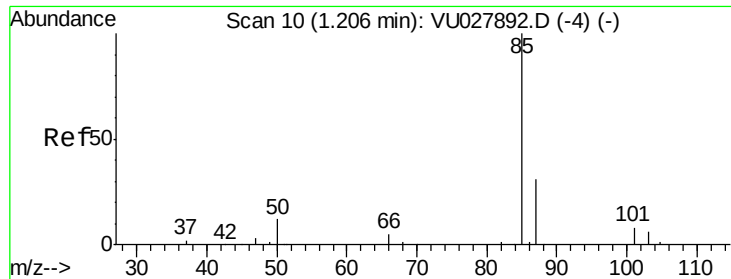
Instrument :
MSVOA_U
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 0.294 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 85 Resp: 2405

Ion Ratio Lower Upper

85 100

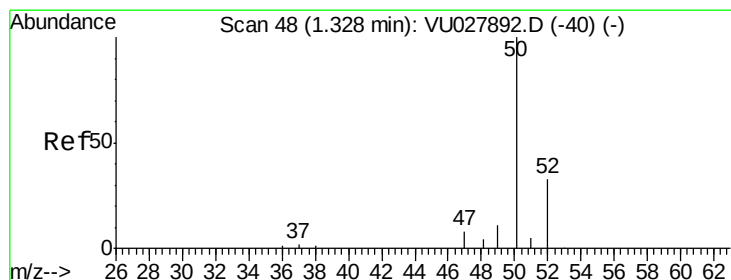
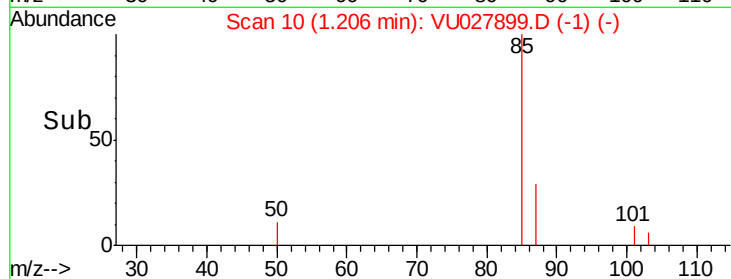
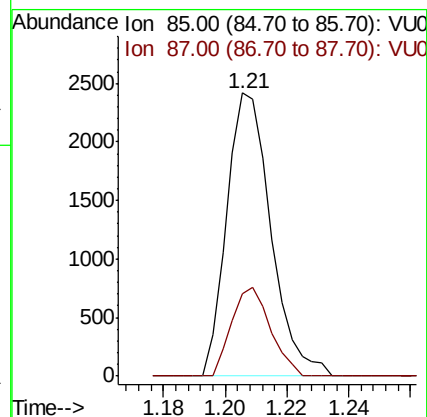
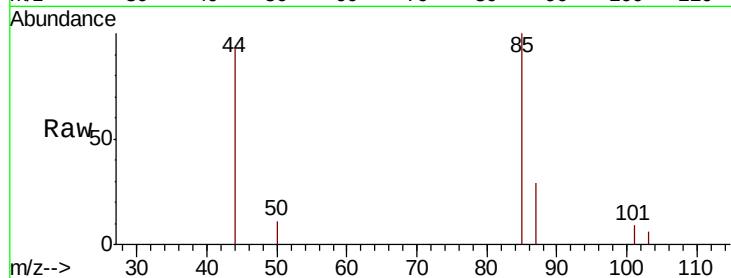
87 27.6 25.2 37.8

Manual Integrations

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#3

Chloromethane

Concen: 0.256 ug/L

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027899.D

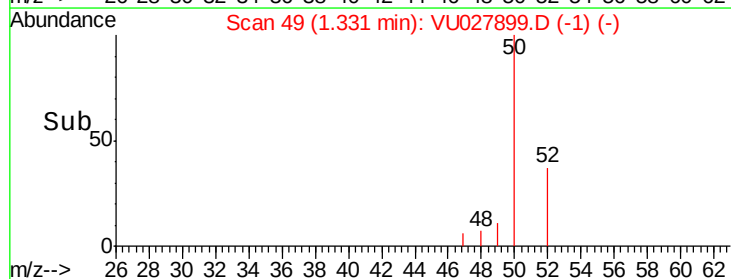
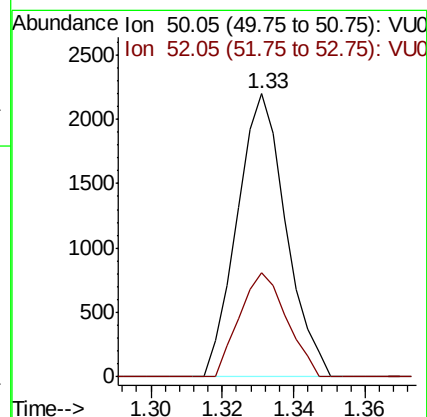
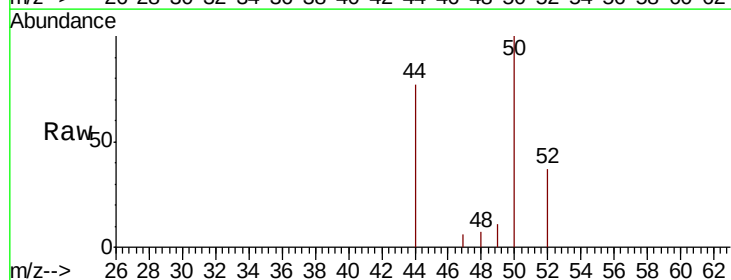
Acq: 01 Nov 2018 13:11

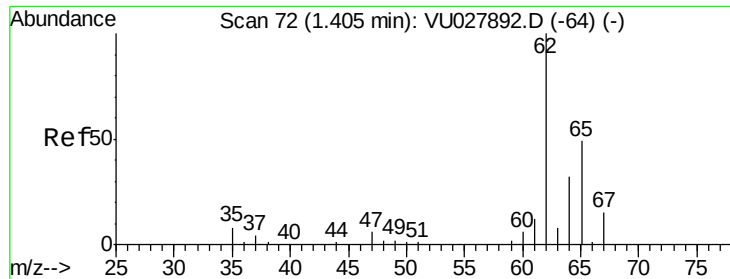
Tgt Ion: 50 Resp: 2079

Ion Ratio Lower Upper

50 100

52 36.7 22.3 41.5





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 62 Resp: 2291

Ion Ratio Lower Upper

62 100

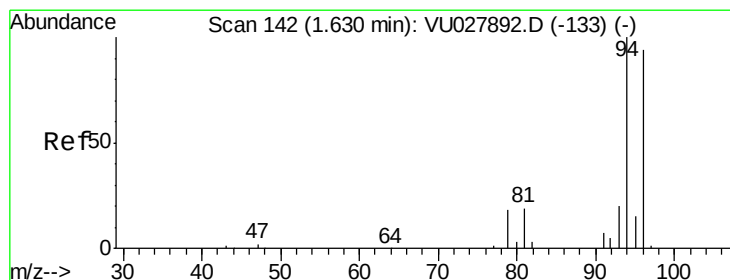
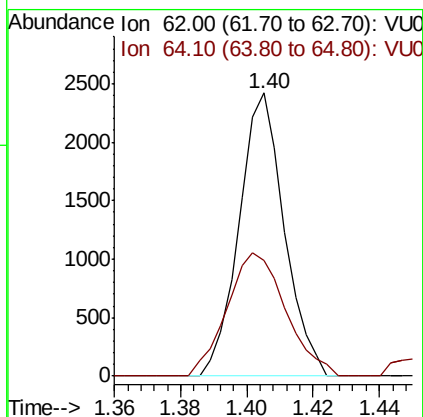
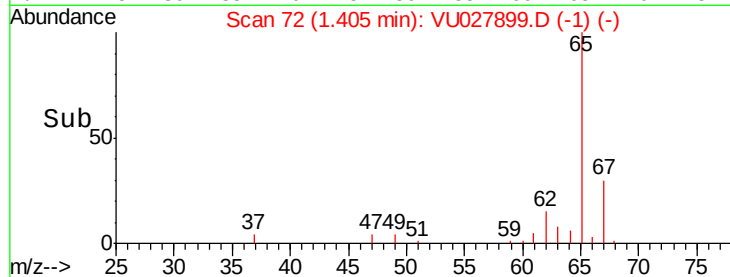
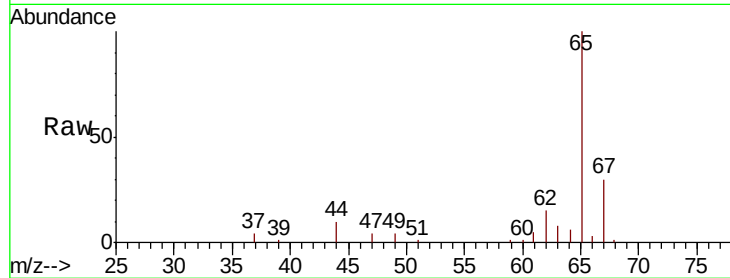
64 41.0 24.0 44.6

Manual Integrations

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#6

Bromomethane

Concen: 0.249 ug/L

RT: 1.63 min Scan# 143

Delta R.T. 0.00 min

Lab File: VU027899.D

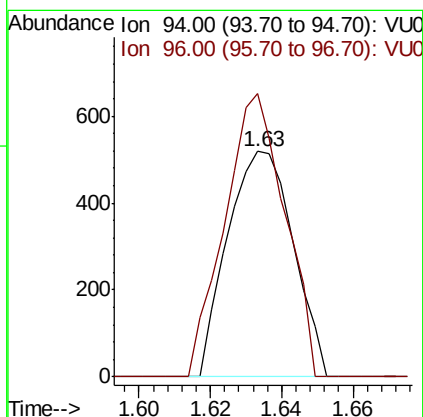
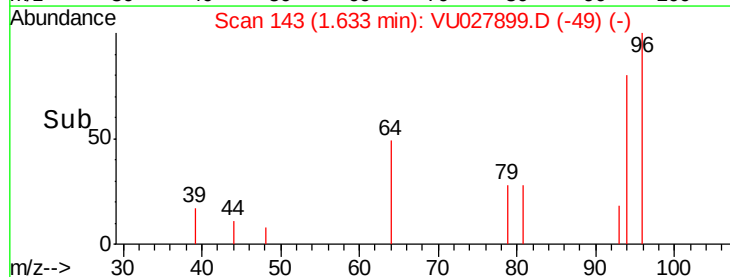
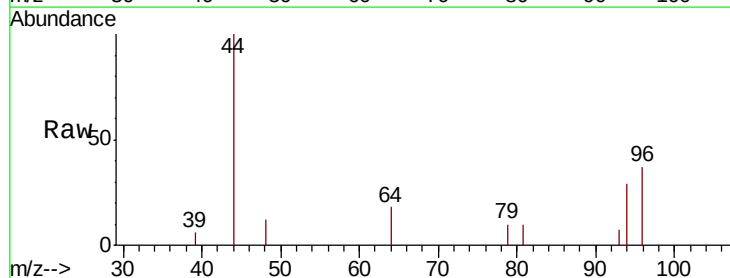
Acq: 01 Nov 2018 13:11

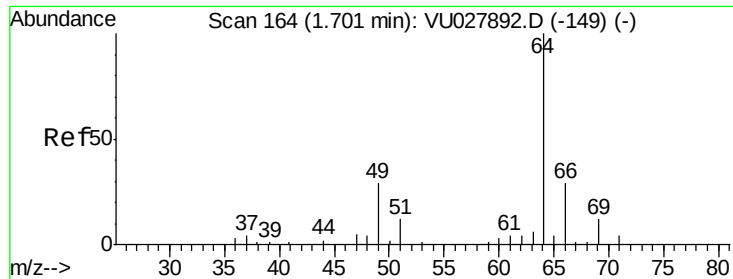
Tgt Ion: 94 Resp: 660

Ion Ratio Lower Upper

94 100

96 125.6 65.0 120.6#





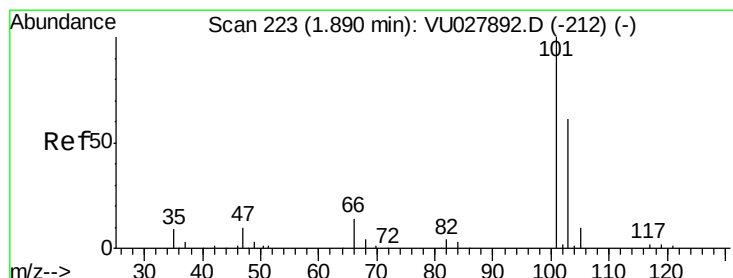
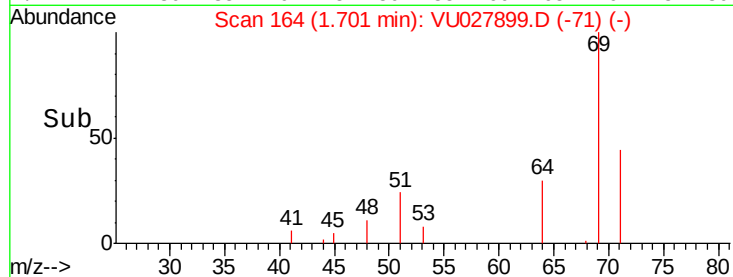
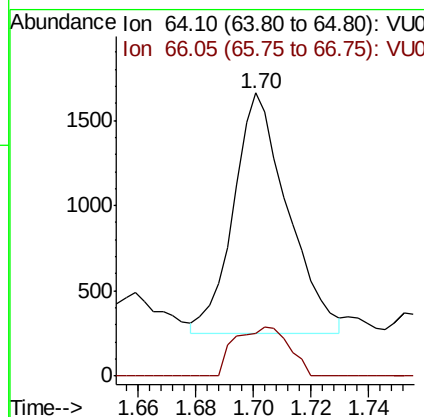
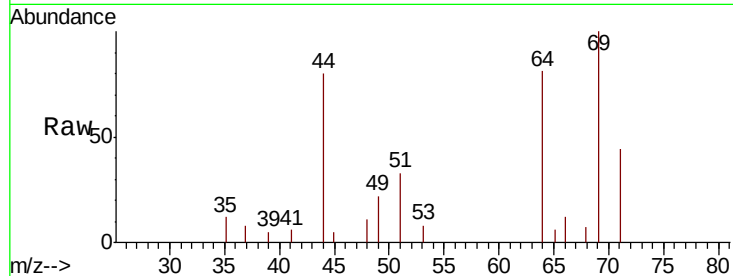
#8
 Chloroethane
 Concen: 0.386 ug/L m
 RT: 1.70 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 64 Resp: 1829
 Ion Ratio Lower Upper
 64 100
 66 15.1 21.8 40.6#

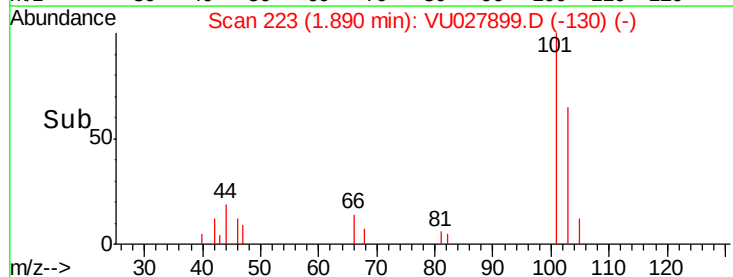
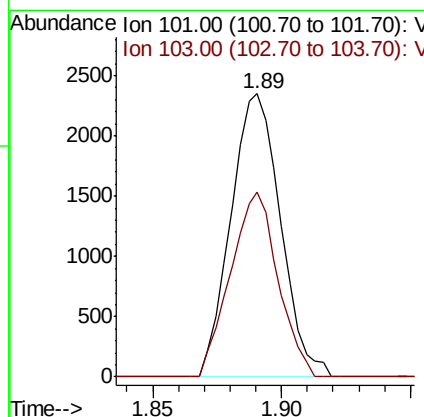
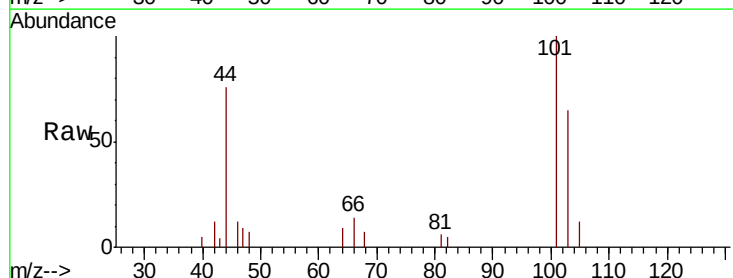
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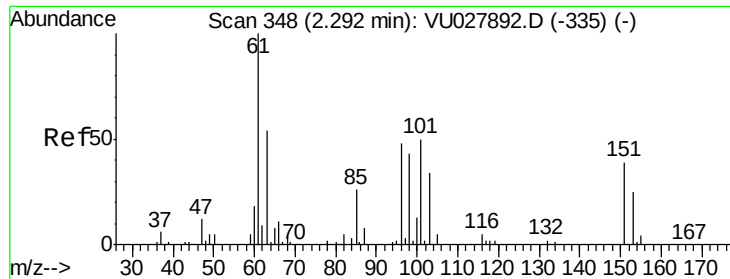
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 11/5/2018 4:10:26 PM



#9
 Trichlorofluoromethane
 Concen: 0.294 ug/L
 RT: 1.89 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 101 Resp: 3154
 Ion Ratio Lower Upper
 101 100
 103 62.3 51.4 77.0





#10

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

Concen: 0.307 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

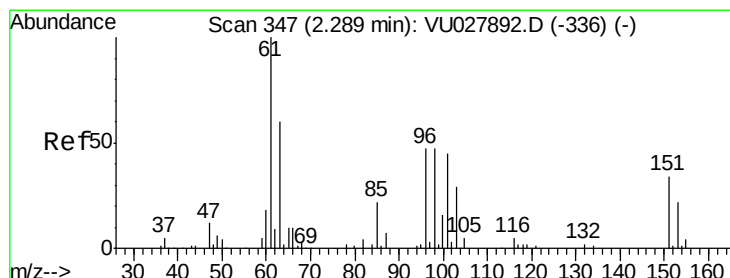
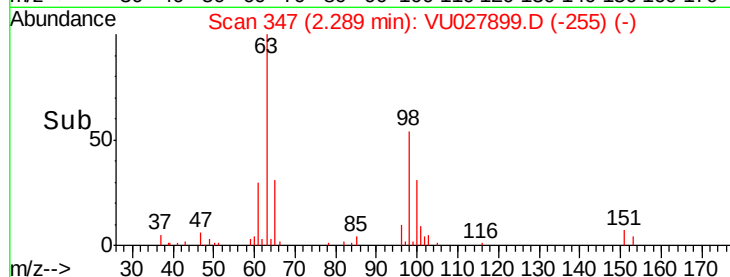
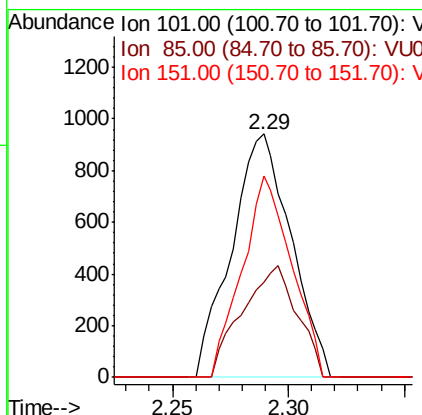
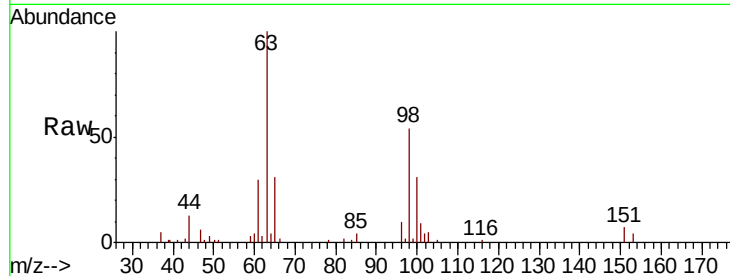
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.3	37.1	55.7
151	68.8	59.9	89.9

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.324 ug/L

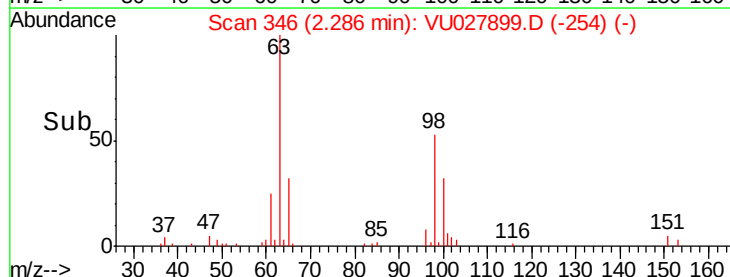
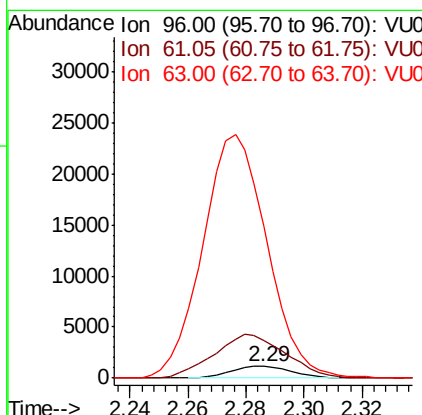
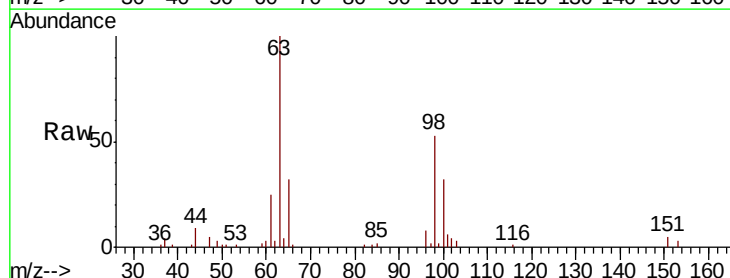
RT: 2.29 min Scan# 346

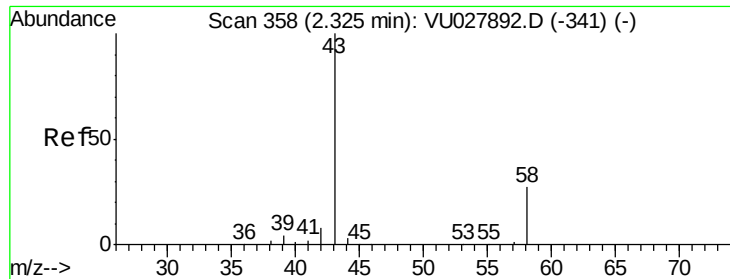
Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	321.6	141.1	262.1#
63	1309.1	113.0	209.9#





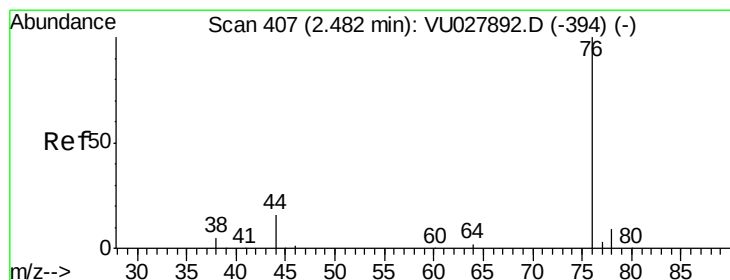
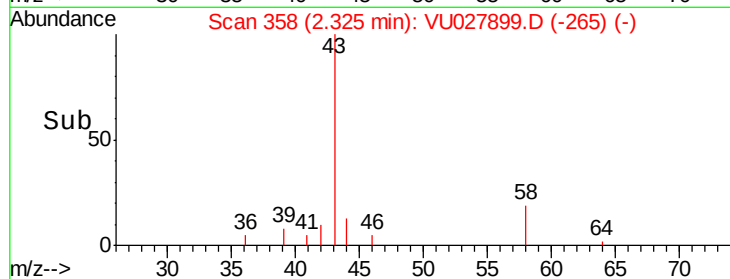
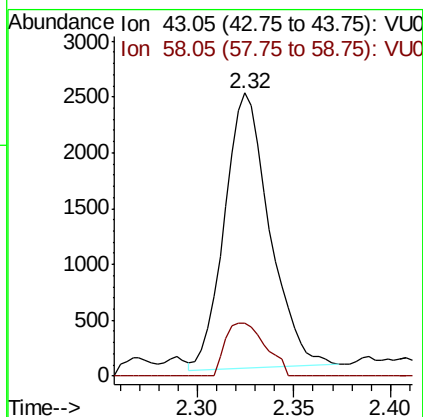
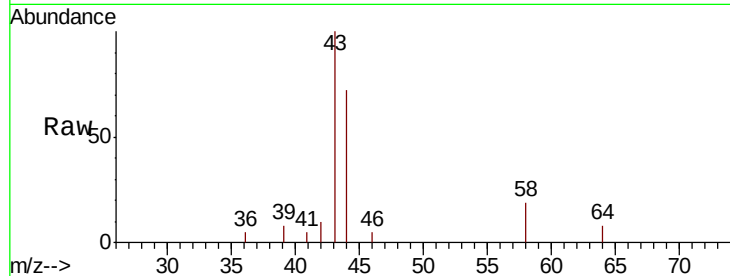
#13
Acetone
Concen: 3.275 ug/L
RT: 2.32 min Scan# 358
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion: 43 Resp: 3997
Ion Ratio Lower Upper
43 100
58 17.3 0.0 61.4

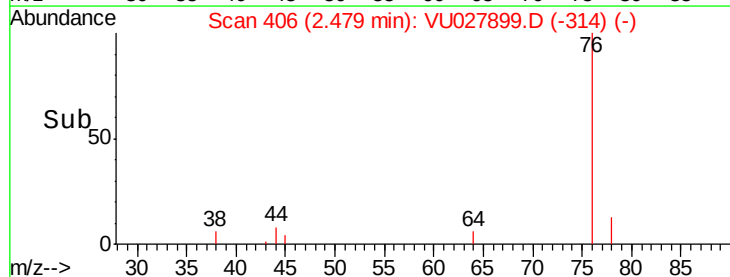
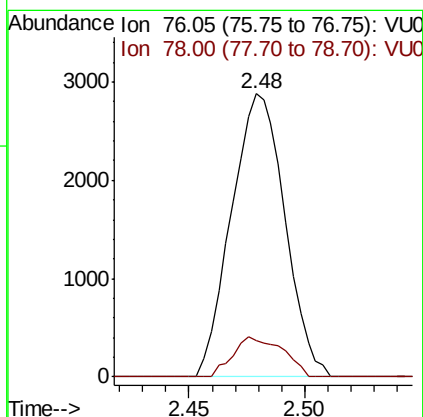
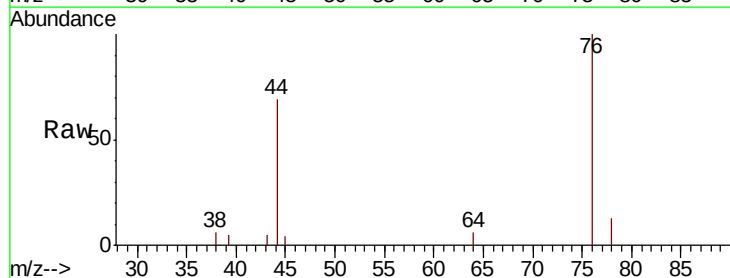
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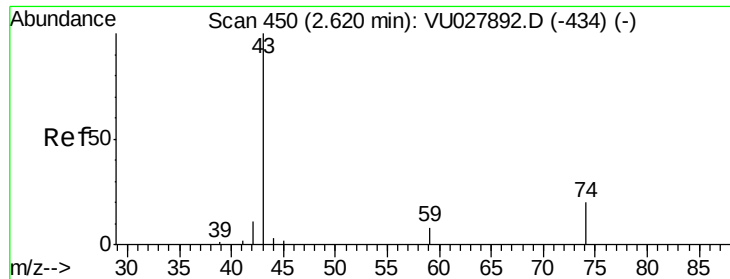
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#14
Carbon disulfide
Concen: 0.250 ug/L
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 76 Resp: 4601
Ion Ratio Lower Upper
76 100
78 13.1 7.5 11.3#





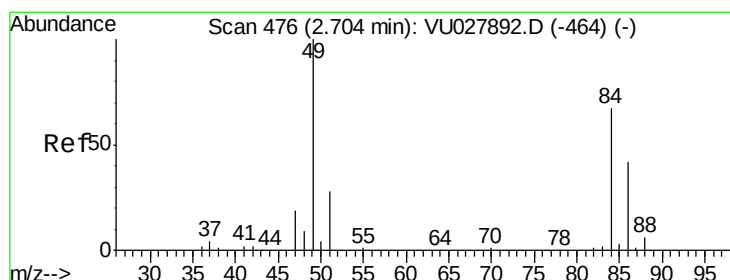
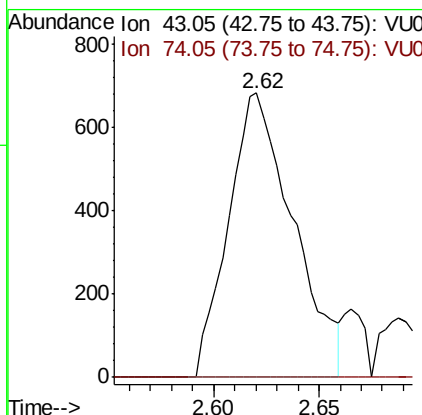
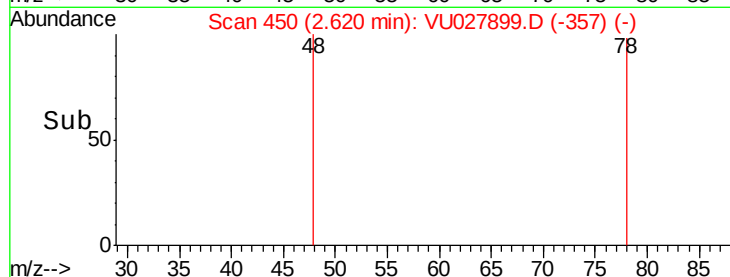
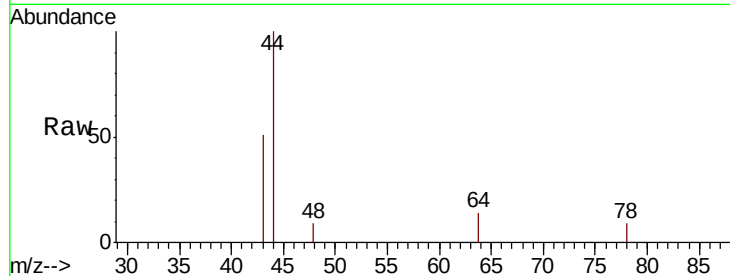
#15
Methyl Acetate
Concen: 0.443 ug/L
RT: 2.62 min Scan# 450
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#

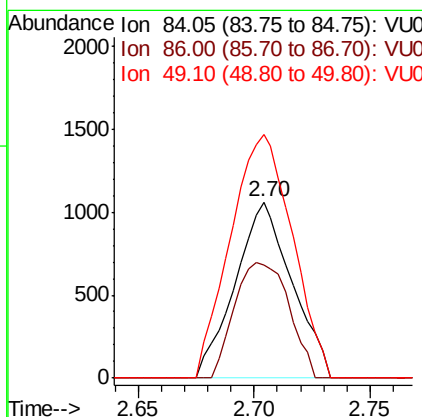
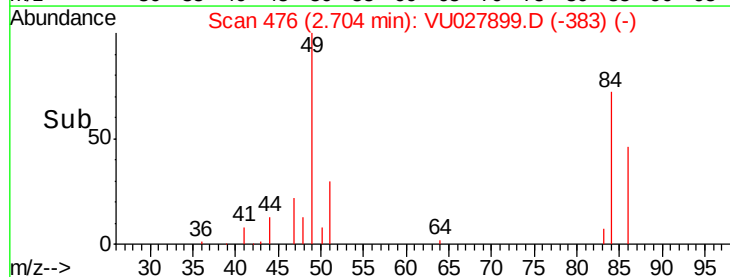
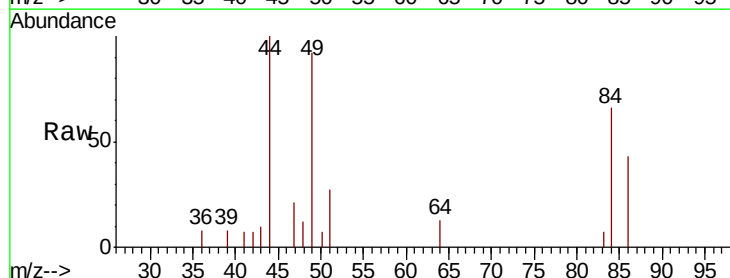
Manual Integrations
APPROVED

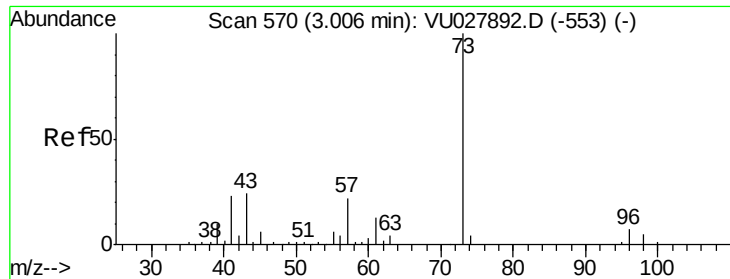
MMDadoda
11/5/2018 4:10:26 PM



#16
Methylene chloride
Concen: 0.312 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 84 Resp: 1808
Ion Ratio Lower Upper
84 100
86 64.3 46.7 86.7
49 138.4 101.3 188.1





#17

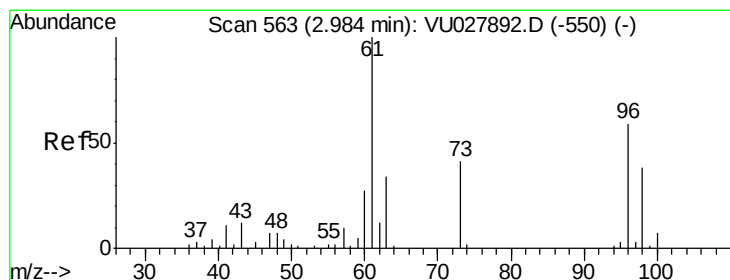
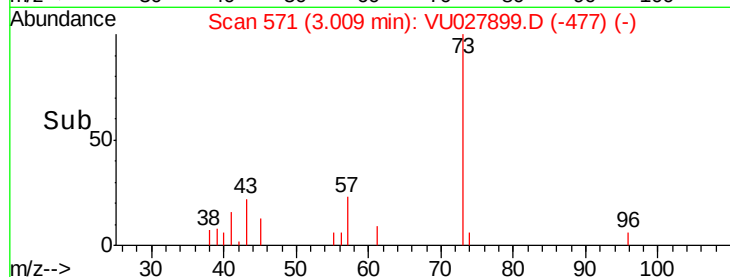
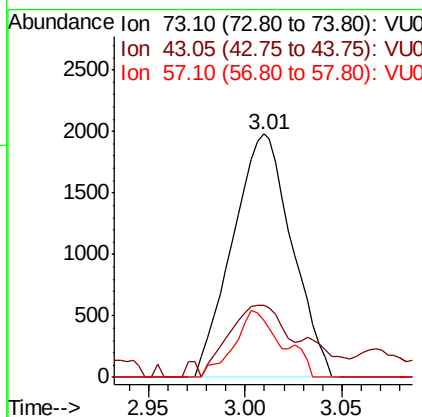
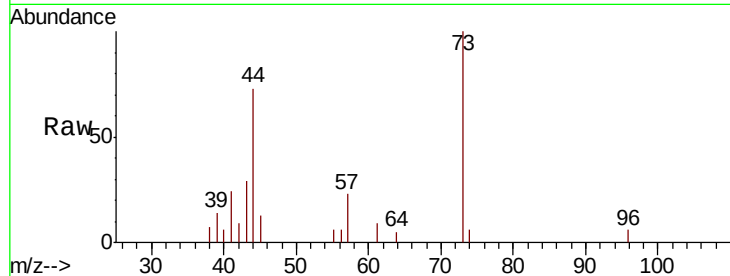
Methyl tert-butyl Ether
 Concen: 0.274 ug/L
 RT: 3.01 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion:	73	Resp:	4211
Ion	Ratio	Lower	Upper
73	100		
43	27.9	18.7	28.1
57	22.2	18.7	28.1

Manual Integrations
 APPROVED

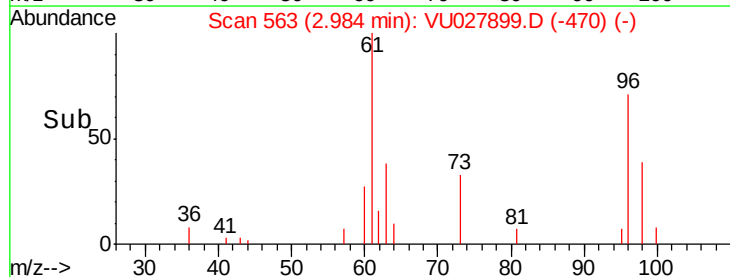
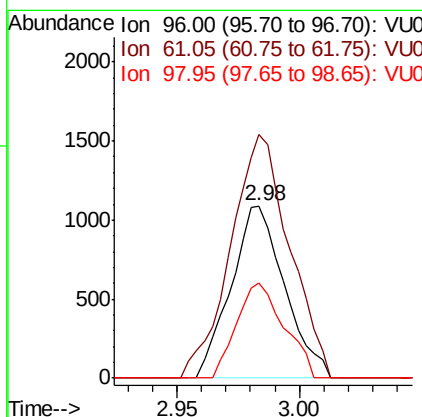
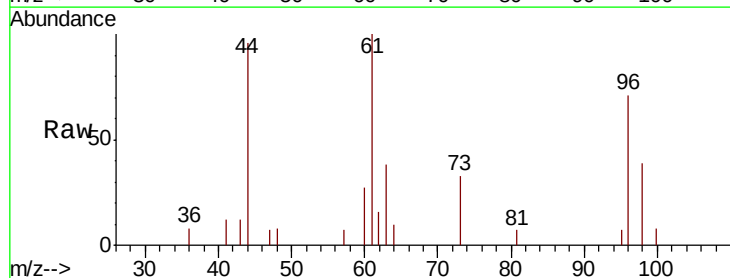
MMDadoda
 11/5/2018 4:10:26 PM

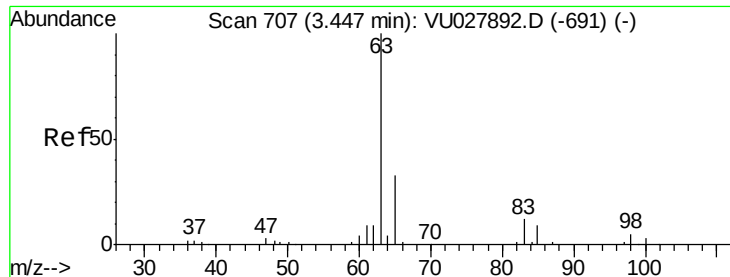


#18

trans-1,2-Dichloroethene
 Concen: 0.302 ug/L
 RT: 2.98 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion:	96	Resp:	1658
Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.2	214.0
98	55.3	44.0	81.8





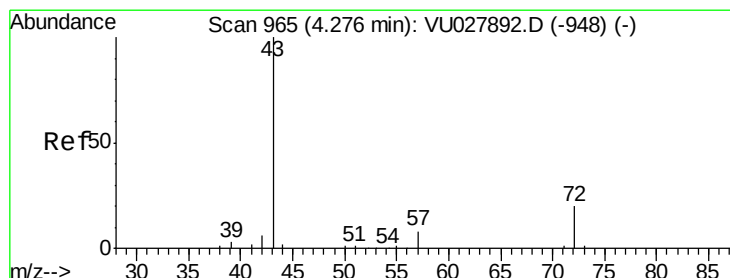
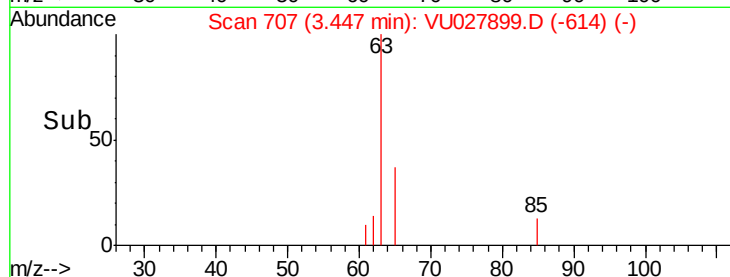
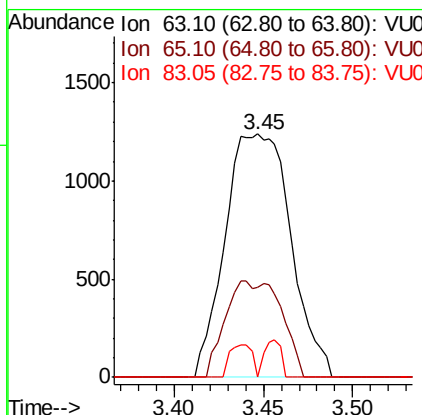
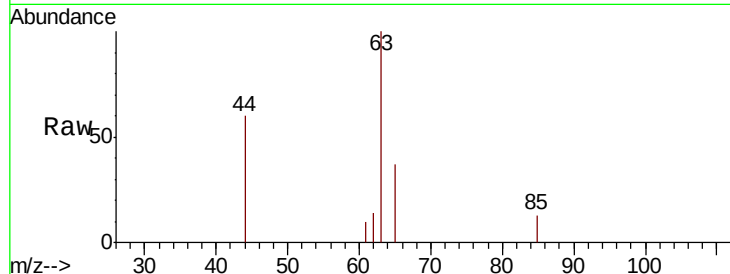
#19
 1,1-Dichloroethane
 Concen: 0.274 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	37.0	21.8	40.4
83	0.0	9.4	17.4#

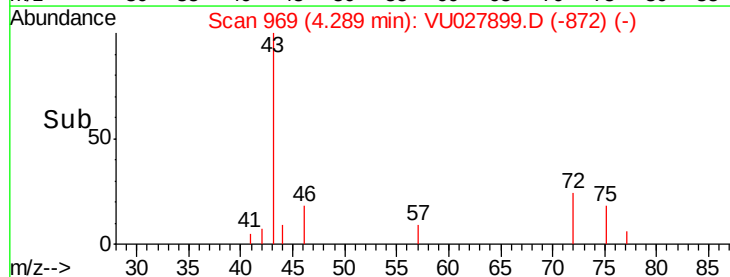
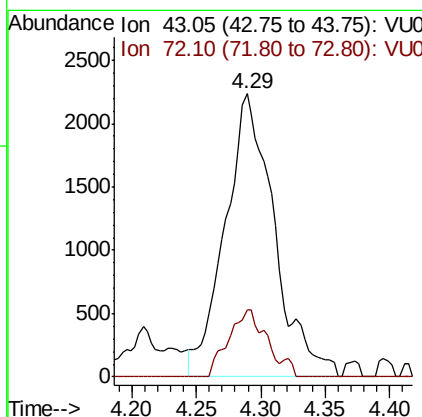
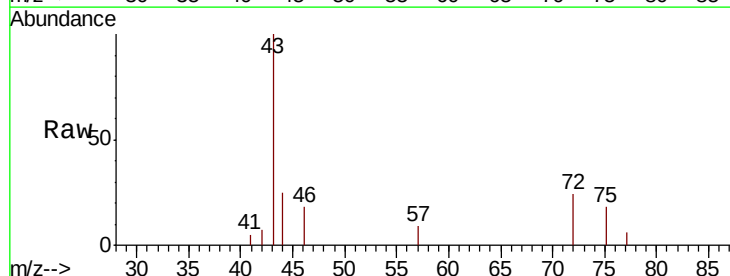
Manual Integrations
 APPROVED

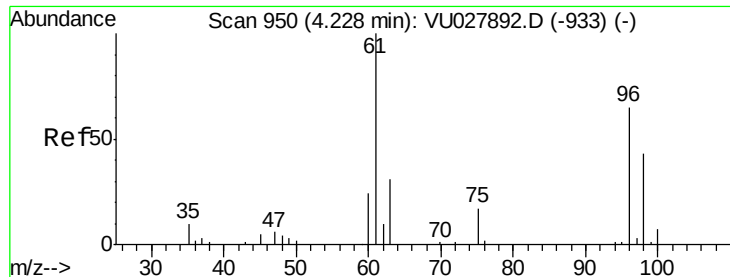
MMDadoda
 11/5/2018 4:10:26 PM



#21
 2-Butanone
 Concen: 2.790 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.6	10.9	32.9





#22

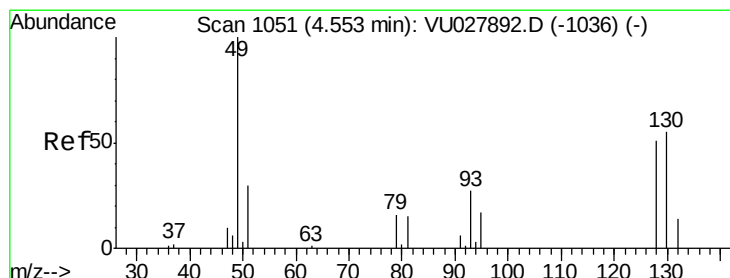
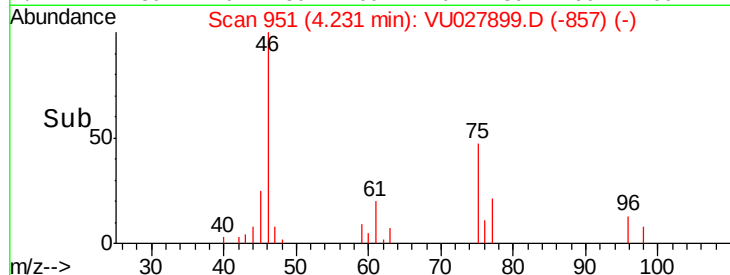
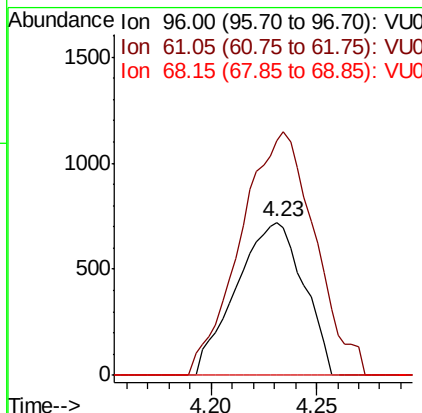
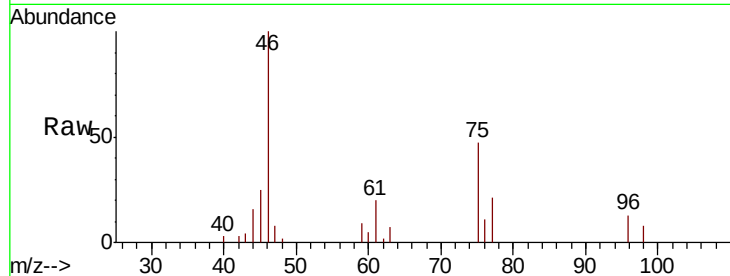
cis-1,2-Dichloroethene
 Concen: 0.252 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.5	104.0	193.2
68	0.0	0.0	0.0

Manual Integrations
 APPROVED

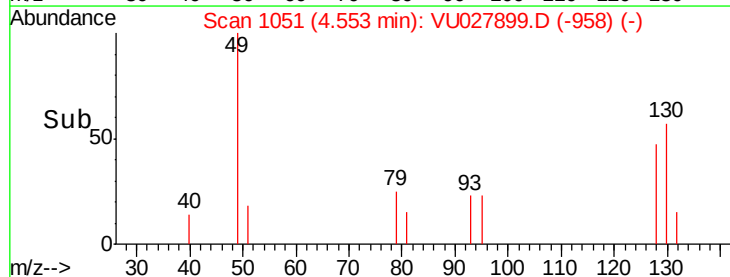
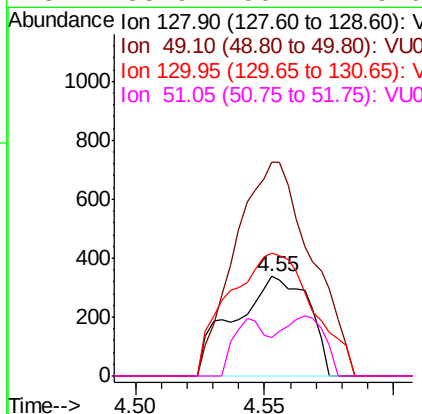
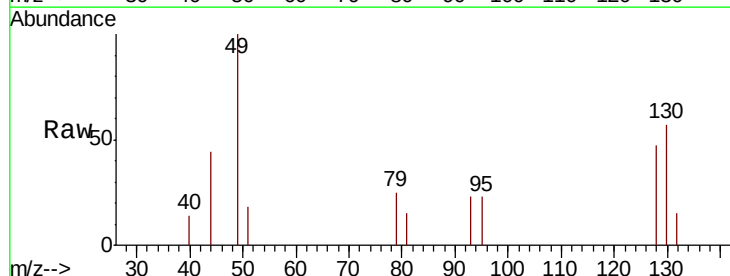
MMDadoda
 11/5/2018 4:10:26 PM

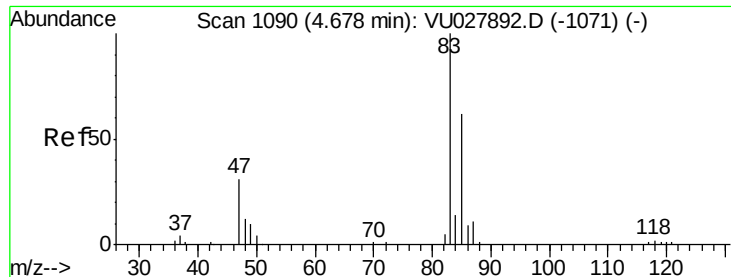


#23

Bromochloromethane
 Concen: 0.259 ug/L
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
128	100		
49	214.8	142.0	263.8
130	123.4	86.1	159.9
51	38.9	50.4	75.6#





#25

Chloroform

Concen: 0.660 ug/L

RT: 4.67 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 83 Resp: 7746

Ion Ratio Lower Upper

83 100

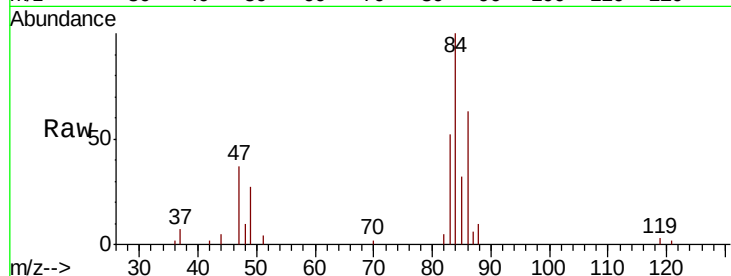
85 61.7 44.0 81.8

Manual Integrations

APPROVED

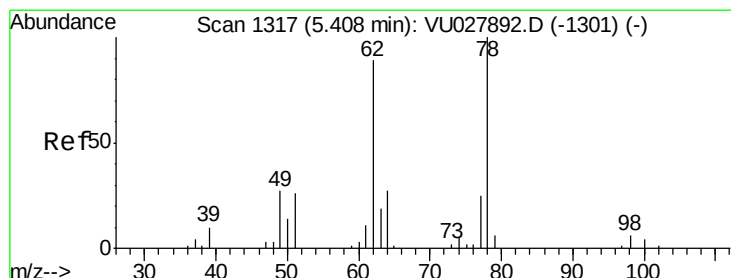
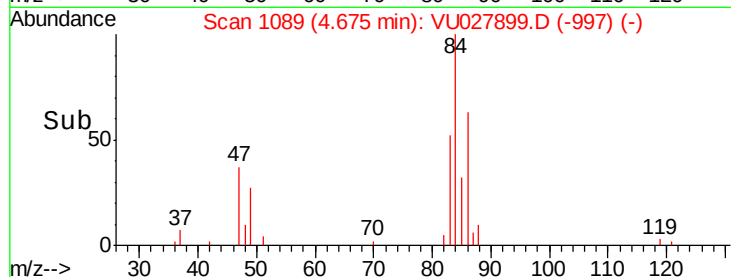
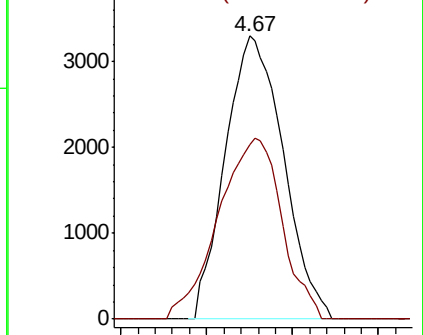
MMDadoda

11/5/2018 4:10:26 PM



Abundance Ion 83.05 (82.75 to 83.75): VU027899.D (-997) (-)

Ion 85.00 (84.70 to 85.70): VU027899.D (-997) (-)



#27

1,2-Dichloroethane

Concen: 0.319 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027899.D

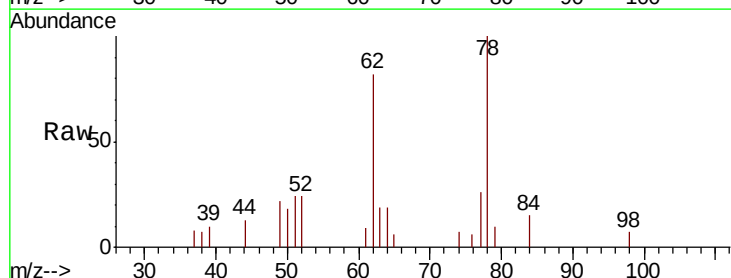
Acq: 01 Nov 2018 13:11

Tgt Ion: 62 Resp: 2611

Ion Ratio Lower Upper

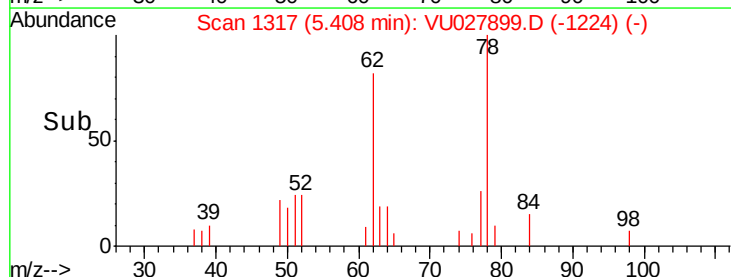
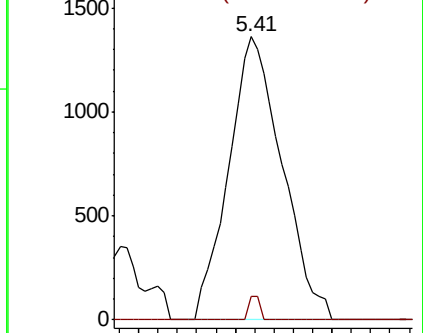
62 100

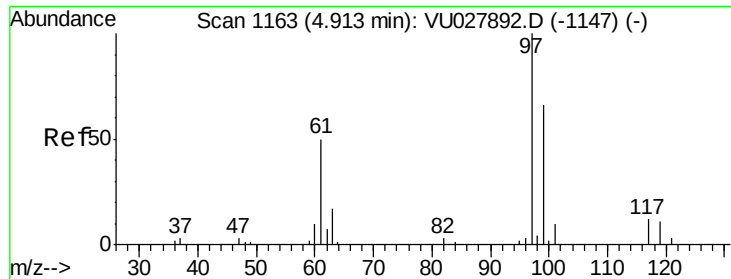
98 8.4 6.3 9.5



Abundance Ion 62.00 (61.70 to 62.70): VU027899.D (-1224) (-)

Ion 98.05 (97.75 to 98.75): VU027899.D (-1224) (-)





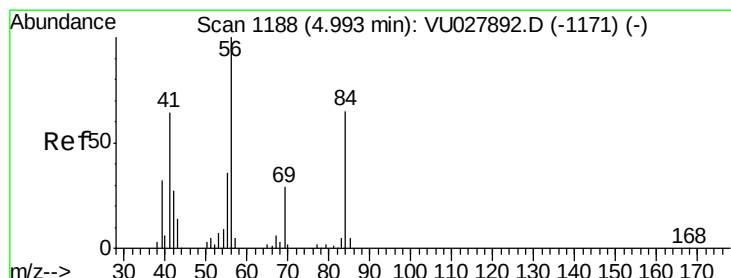
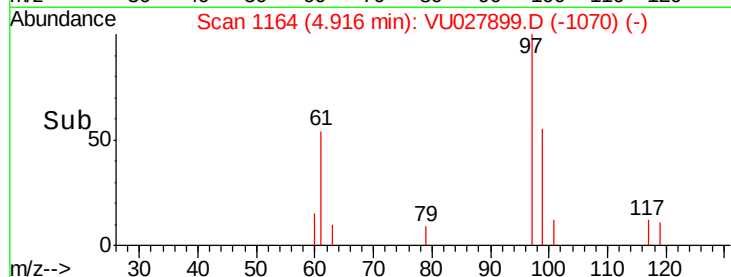
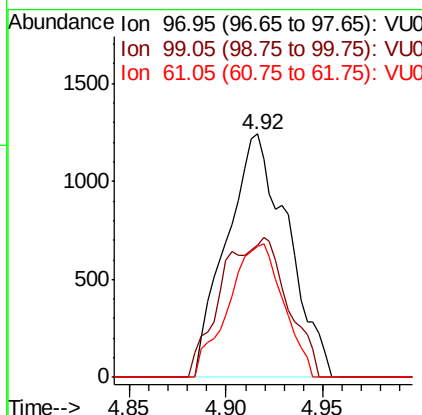
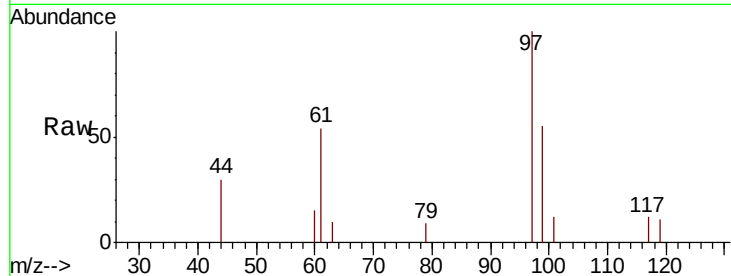
#29
 1,1,1-Trichloroethane
 Concen: 0.266 ug/L
 RT: 4.92 min Scan# 1164
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	62.0	50.6	76.0
61	49.0	35.8	53.6

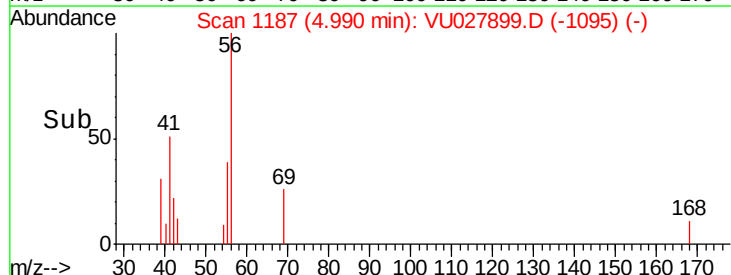
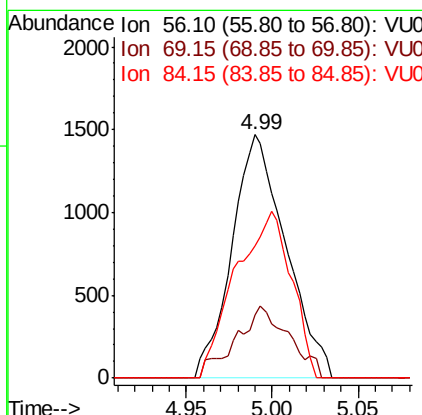
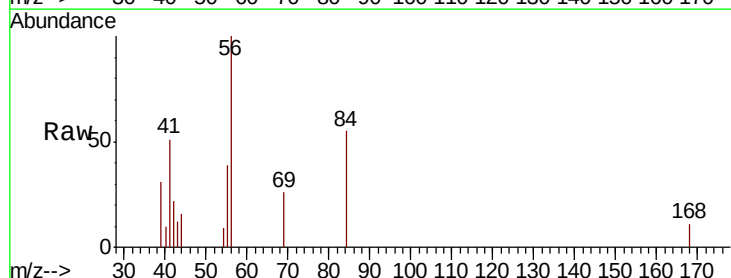
Manual Integrations
 APPROVED

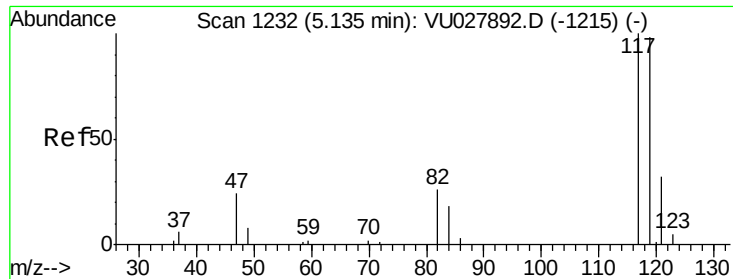
MMDadoda
 11/5/2018 4:10:26 PM



#30
 Cyclohexane
 Concen: 0.265 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	22.7	34.1
84	70.7	58.1	87.1





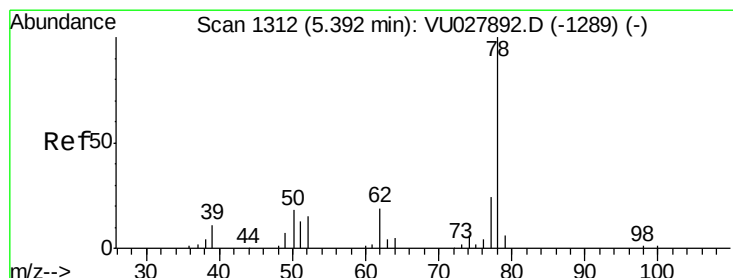
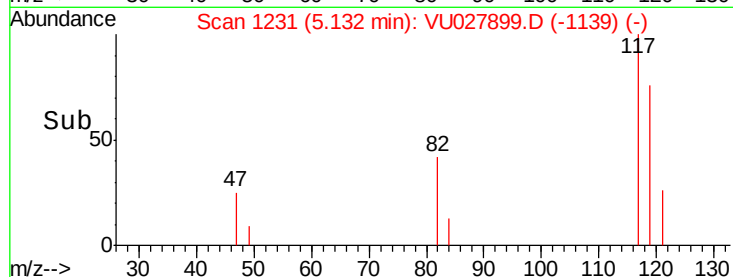
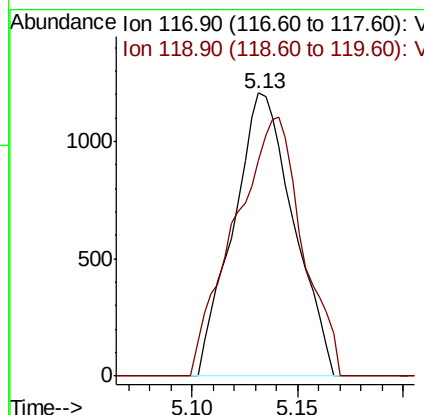
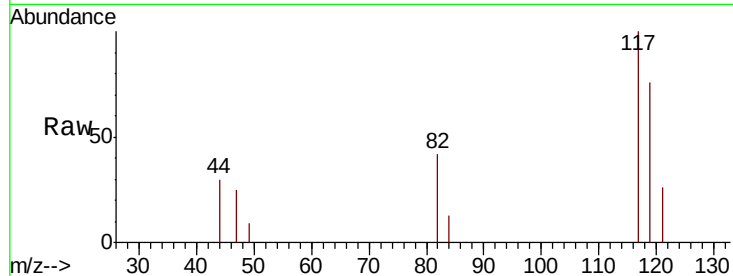
#31
Carbon tetrachloride
Concen: 0.270 ug/L
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion:117 Resp: 2390
Ion Ratio Lower Upper
117 100
119 103.4 77.1 115.7

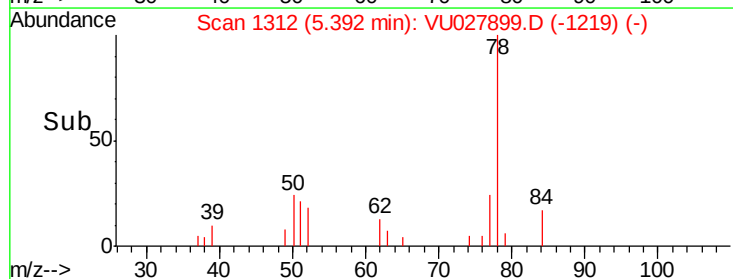
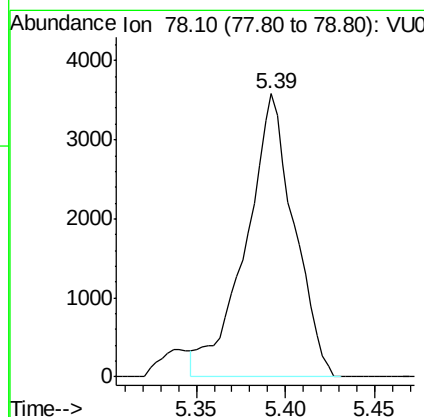
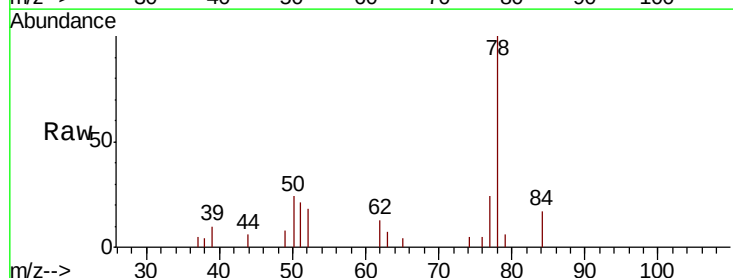
Manual Integrations
APPROVED

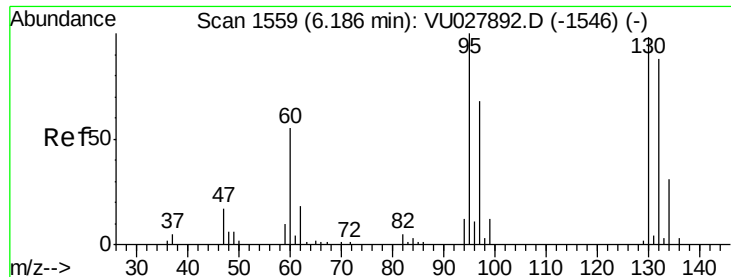
MMDadoda
11/5/2018 4:10:26 PM



#33
Benzene
Concen: 0.267 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion: 78 Resp: 6763





#34

Trichloroethene

Concen: 0.255 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 95 Resp: 1679

Ion Ratio Lower Upper

95 100

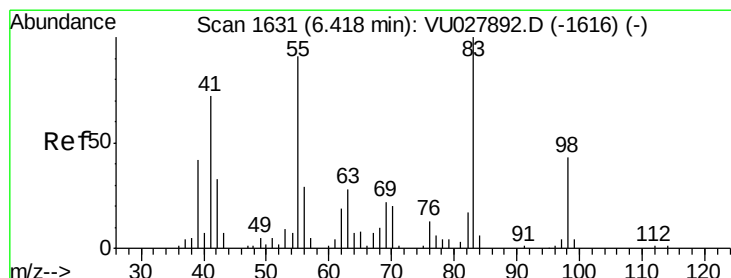
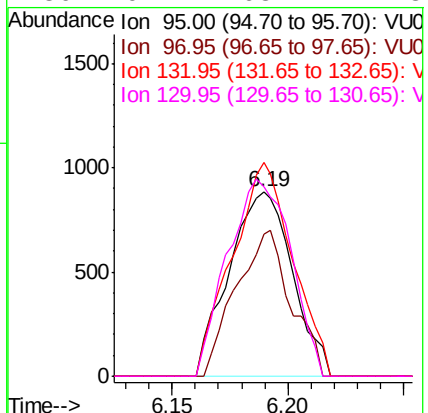
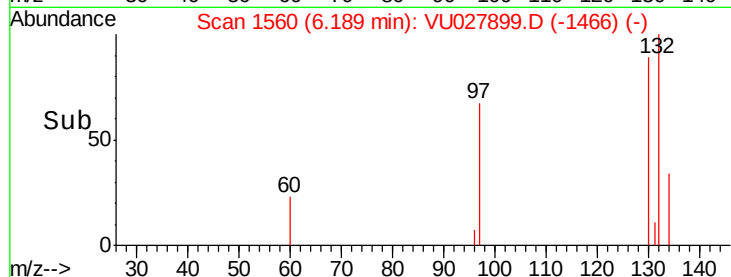
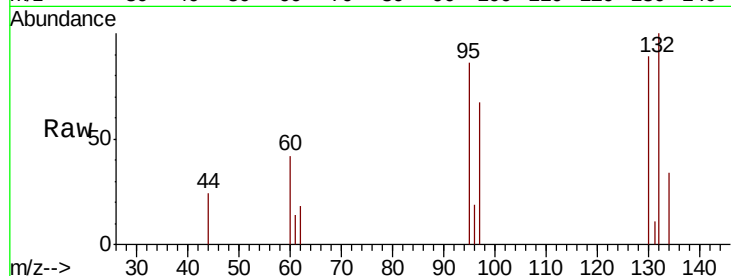
97 77.3 44.0 81.6

132 115.8 63.3 117.5

130 102.7 63.1 117.3

Manual Integrations
APPROVED

MMDadoda
11/5/2018 4:10:26 PM



#35

Methylcyclohexane

Concen: 0.277 ug/L

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

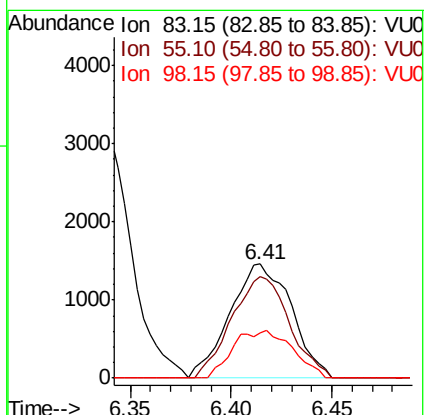
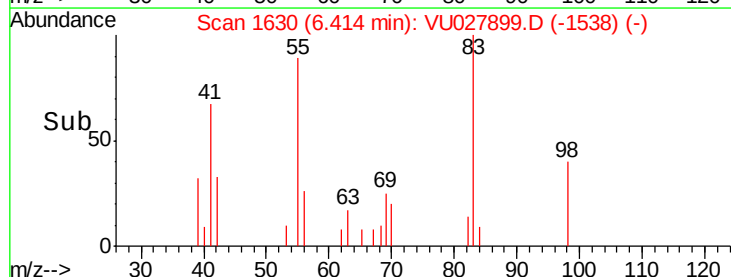
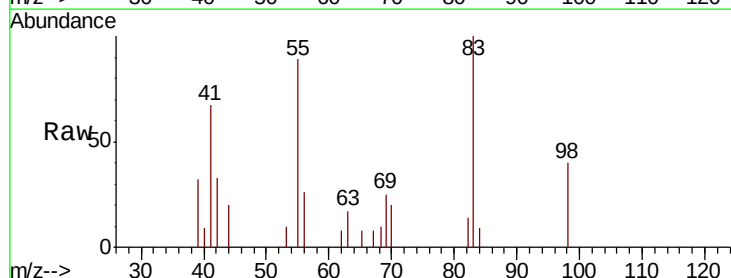
Tgt Ion: 83 Resp: 3102

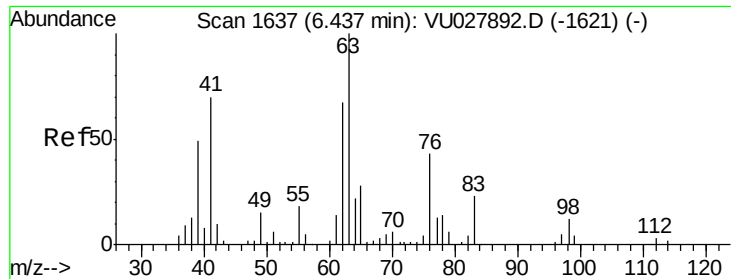
Ion Ratio Lower Upper

83 100

55 83.6 73.4 110.0

98 40.5 35.3 52.9





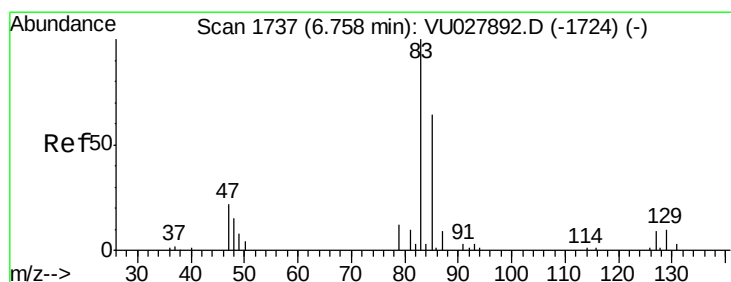
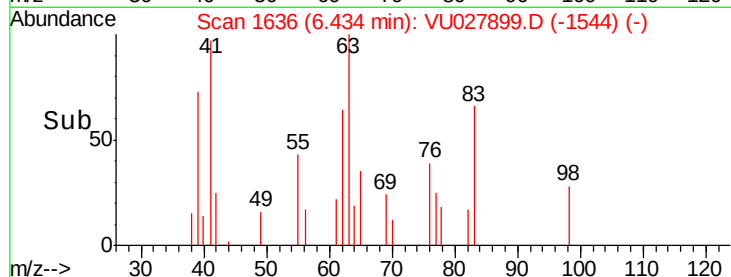
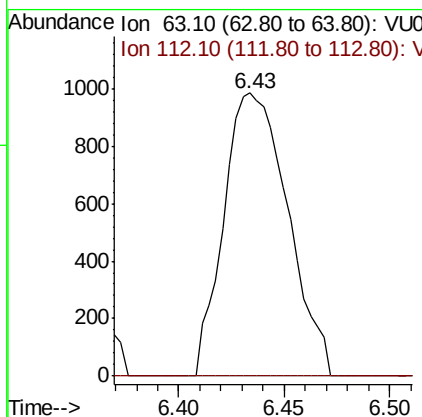
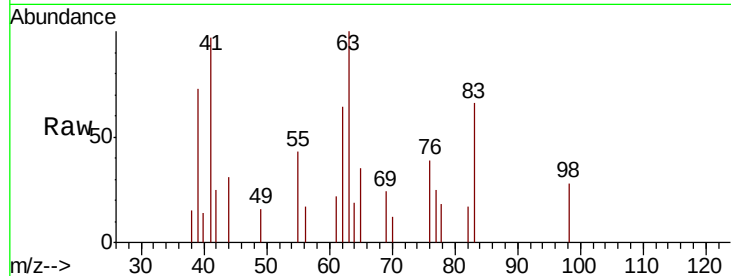
#37
 1,2-Dichloropropane
 Concen: 0.289 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 2079
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.6 3.8#

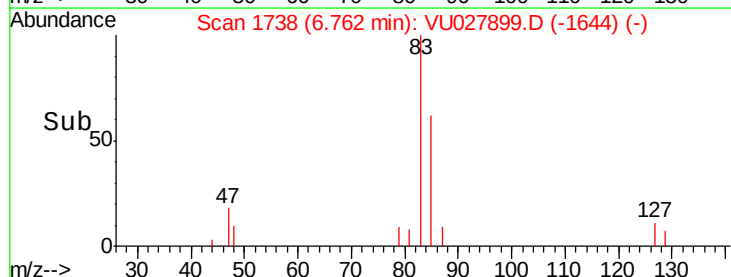
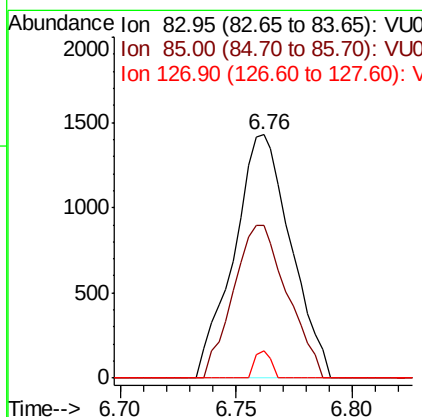
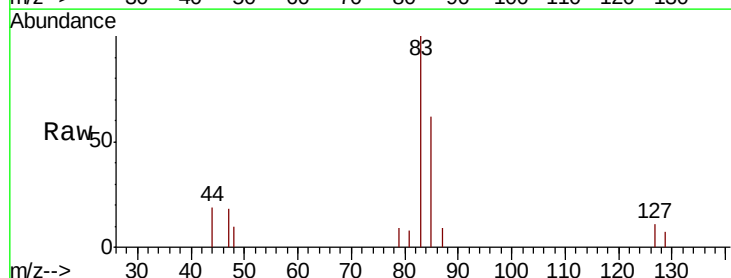
Manual Integrations
 APPROVED

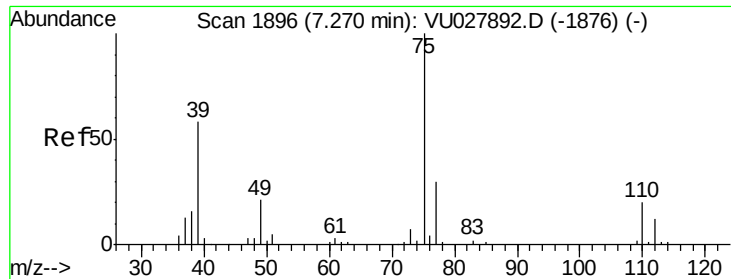
MMDadoda
 11/5/2018 4:10:26 PM



#38
 Bromodichloromethane
 Concen: 0.290 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 83 Resp: 2443
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.8 81.4
 127 11.3 6.4 9.6#





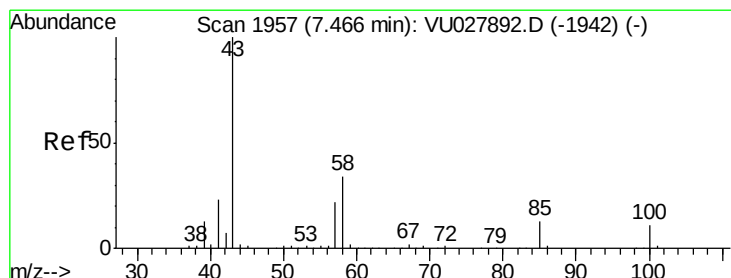
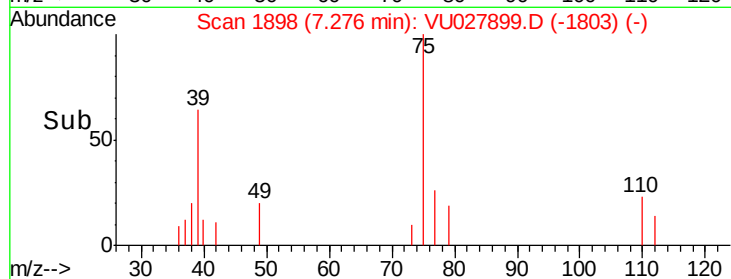
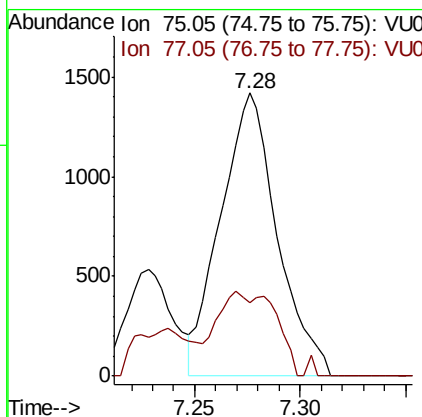
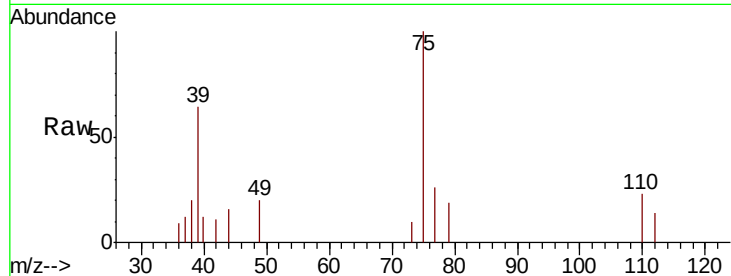
#39
 cis-1,3-Dichloropropene
 Concen: 0.256 ug/L
 RT: 7.28 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.1	22.2	41.2

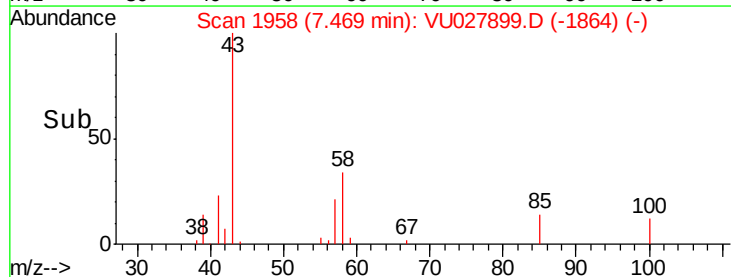
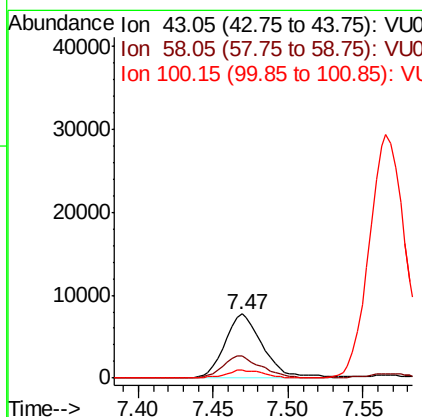
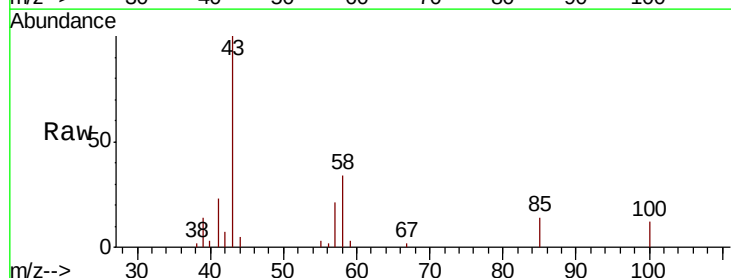
Manual Integrations
 APPROVED

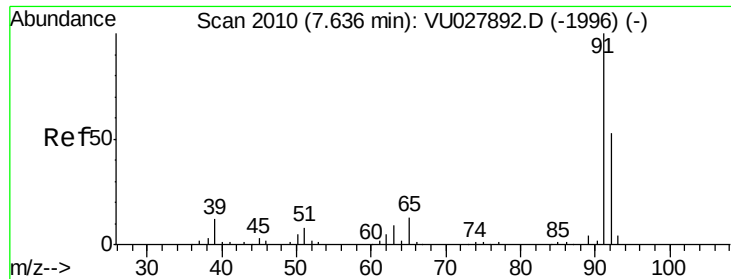
MMDadoda
 11/5/2018 4:10:26 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.672 ug/L
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.5	42.7
100	11.8	8.8	13.2





#42

Toluene

Concen: 0.272 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 91 Resp: 7187

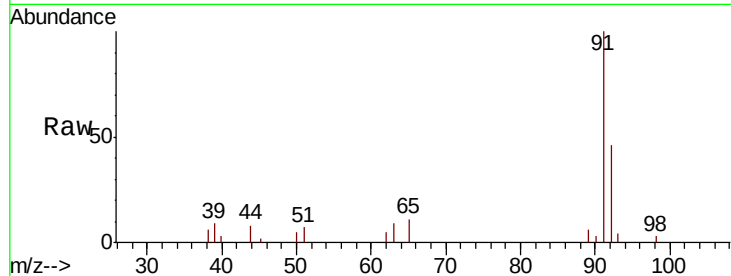
Ion Ratio Lower Upper

91 100

92 46.4 40.3 74.9

Manual Integrations
APPROVED

MMDadoda
11/5/2018 4:10:26 PM

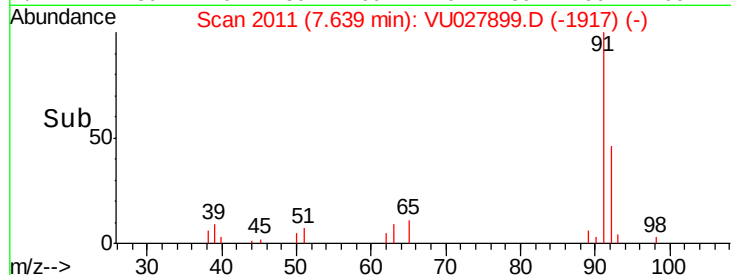


Abundance Ion 91.15 (90.85 to 91.85): VU027899.D (-1917) (-)

Ion 92.15 (91.85 to 92.85): VU027899.D (-1917) (-)

7.64

Time-->



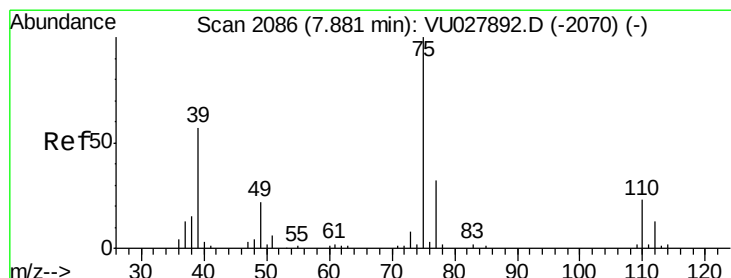
Abundance

Ion 91.15 (90.85 to 91.85): VU027899.D (-1917) (-)

Ion 92.15 (91.85 to 92.85): VU027899.D (-1917) (-)

7.64

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.290 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU027899.D

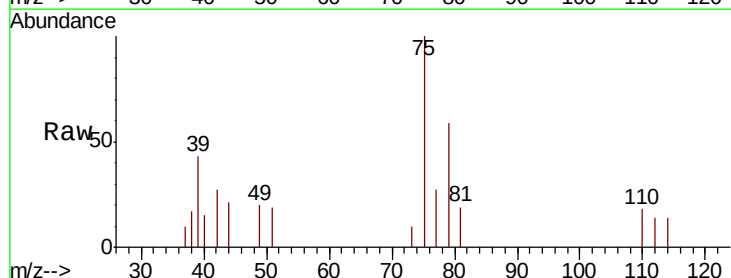
Acq: 01 Nov 2018 13:11

Tgt Ion: 75 Resp: 2572

Ion Ratio Lower Upper

75 100

77 27.4 20.5 38.1

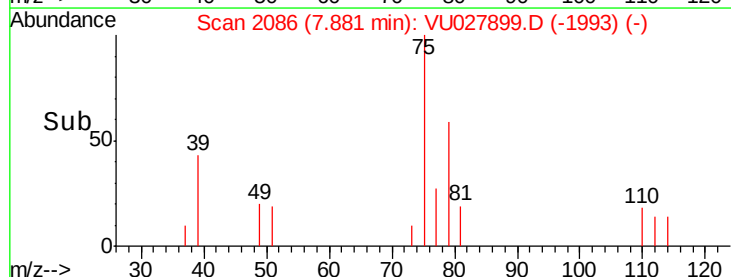


Abundance Ion 75.05 (74.75 to 75.75): VU027899.D (-1993) (-)

Ion 77.05 (76.75 to 77.75): VU027899.D (-1993) (-)

7.88

Time-->



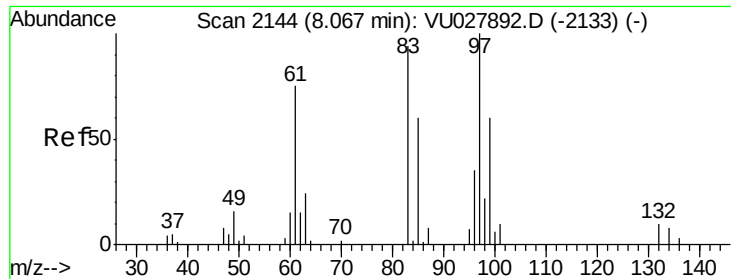
Abundance

Ion 75.05 (74.75 to 75.75): VU027899.D (-1993) (-)

Ion 77.05 (76.75 to 77.75): VU027899.D (-1993) (-)

7.88

Time-->



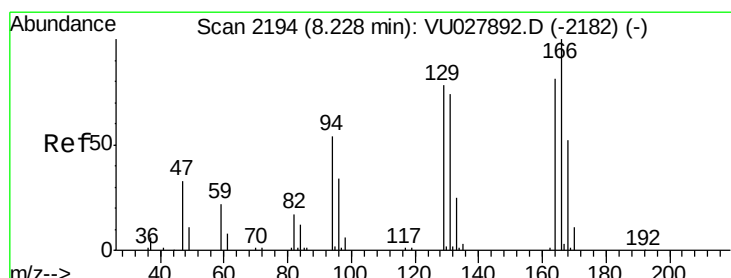
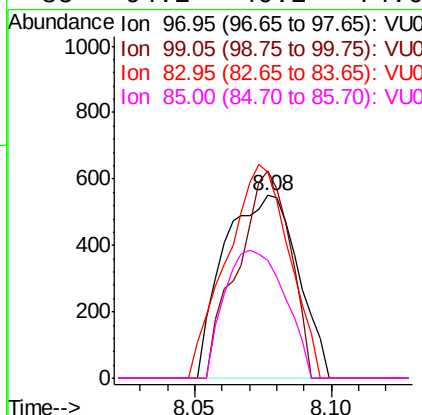
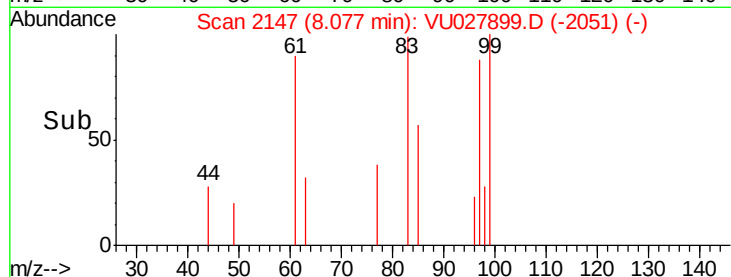
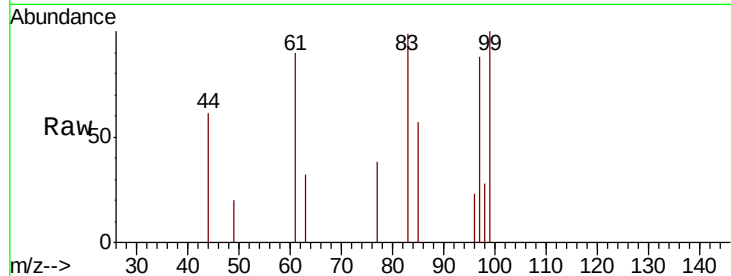
#45
1,1,2-Trichloroethane
Concen: 0.233 ug/L
RT: 8.08 min Scan# 2147
Delta R.T. 0.01 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	113.4	42.9	79.7#
83	112.5	62.2	115.6
85	64.2	40.2	74.6

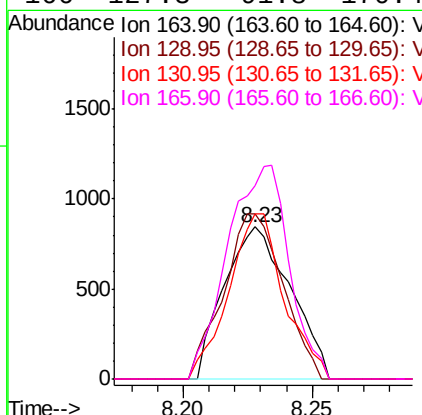
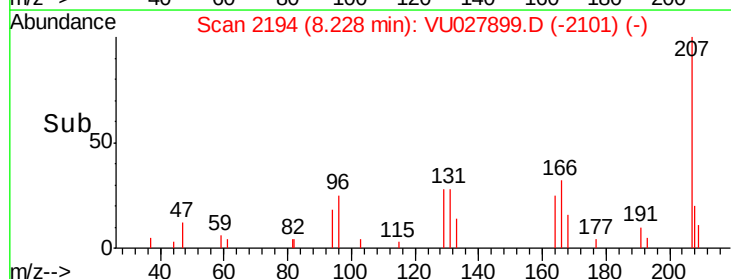
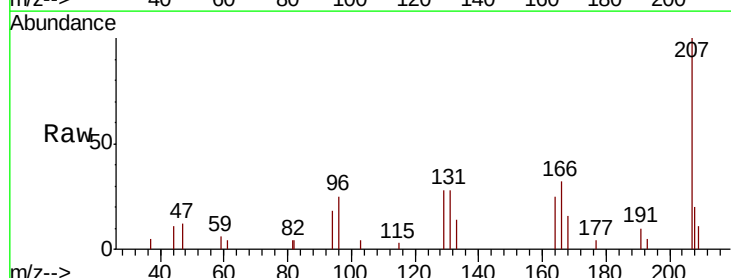
Manual Integrations
APPROVED

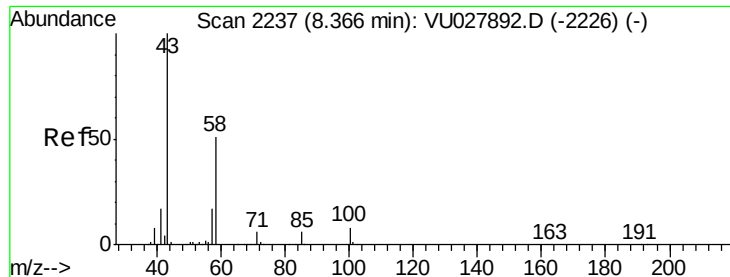
MMDadoda
11/5/2018 4:10:26 PM



#47
Tetrachloroethene
Concen: 0.297 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
129	109.0	64.9	120.5
131	109.0	64.3	119.5
166	127.3	91.8	170.4





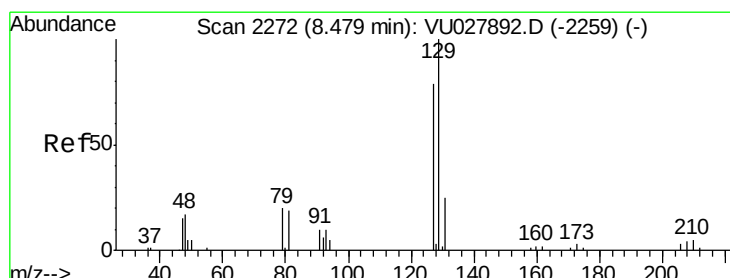
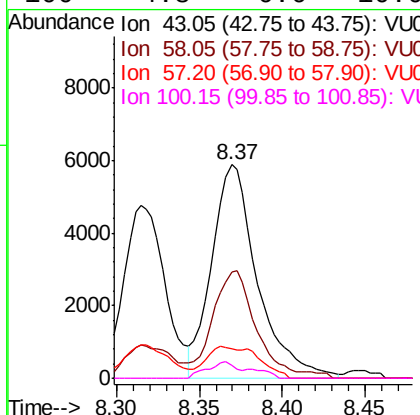
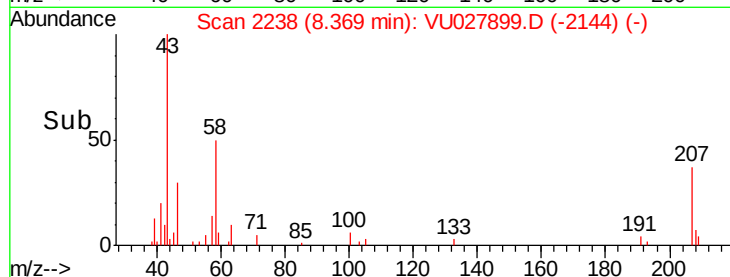
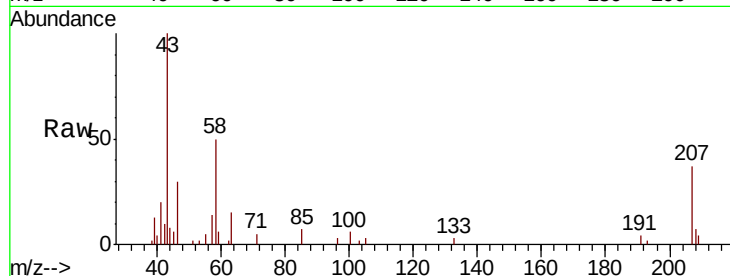
#48
2-Hexanone
Concen: 3.074 ug/L
RT: 8.37 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.2	38.9	58.3
57	17.2	13.3	19.9
100	4.8	6.6	10.0

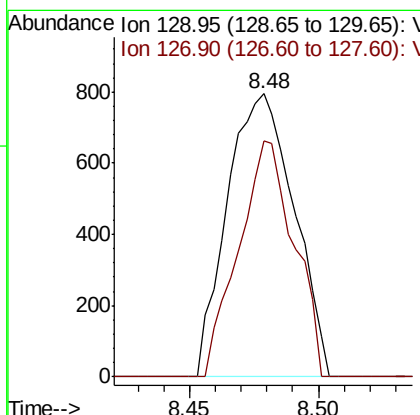
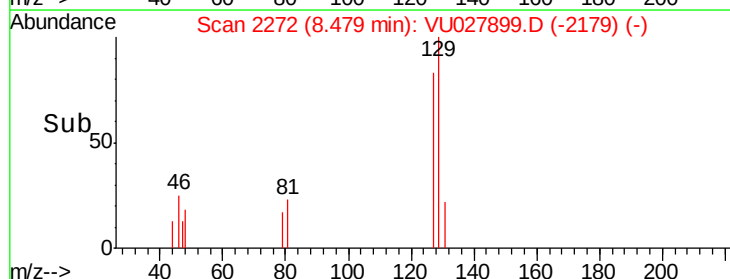
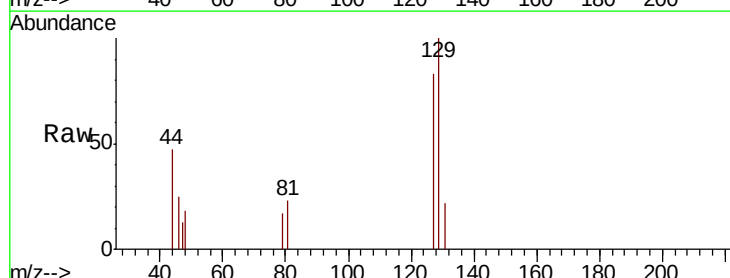
Manual Integrations
APPROVED

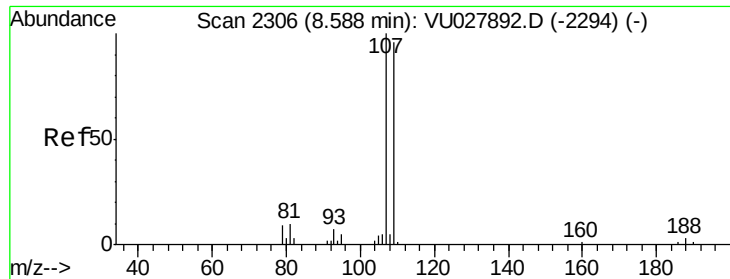
MMDadoda
11/5/2018 4:10:26 PM



#49
Dibromochloromethane
Concen: 0.268 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	83.3	54.5	101.1





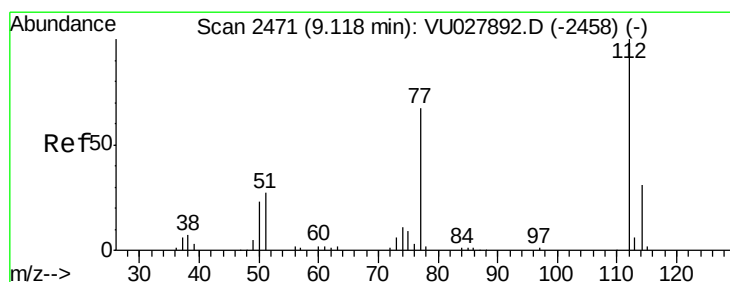
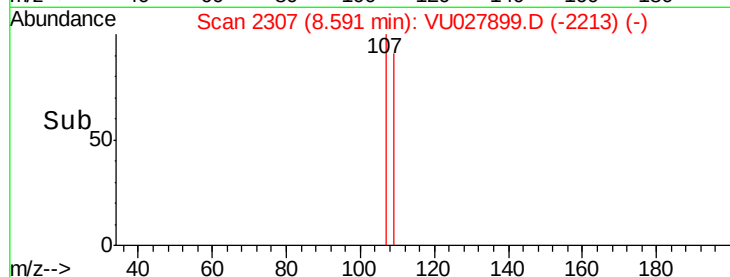
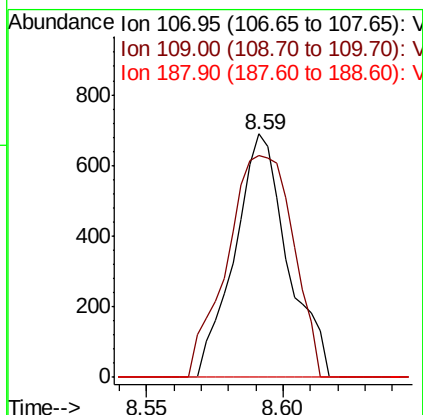
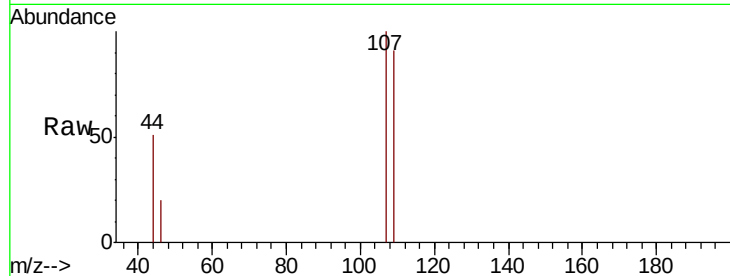
#50
 1,2-Dibromoethane
 Concen: 0.218 ug/L
 RT: 8.59 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.3	68.0	126.4
188	0.0	2.7	4.1#

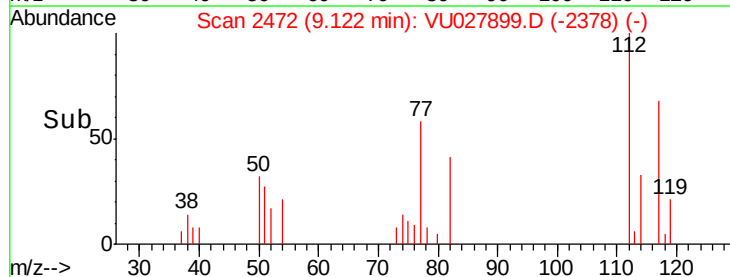
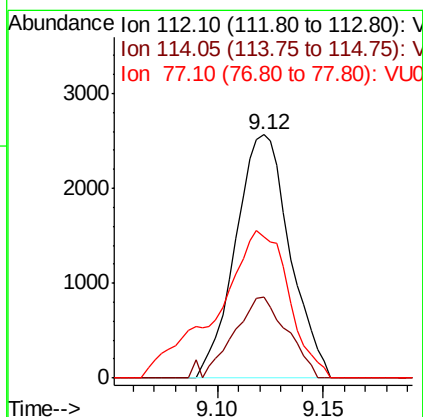
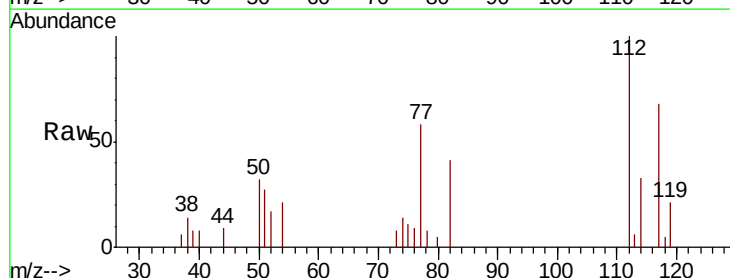
Manual Integrations
 APPROVED

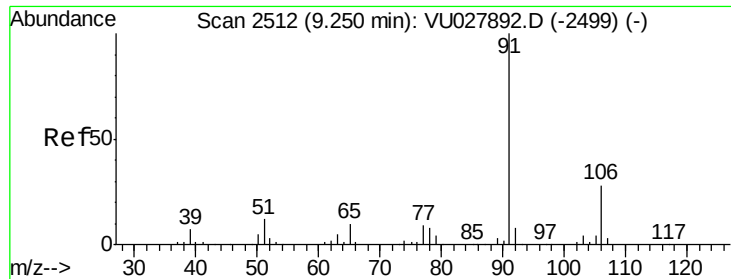
MMDadoda
 11/5/2018 4:10:26 PM



#51
 Chlorobenzene
 Concen: 0.280 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.0	41.0
77	57.8	54.3	81.5





#52

Ethylbenzene

Concen: 0.266 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Tot Ion: 91 Resp: 8019

Ion Ratio Lower Upper

91 100

106 28.7 21.5 39.9

Instrument :

MSVOA_U

ClientSampled :

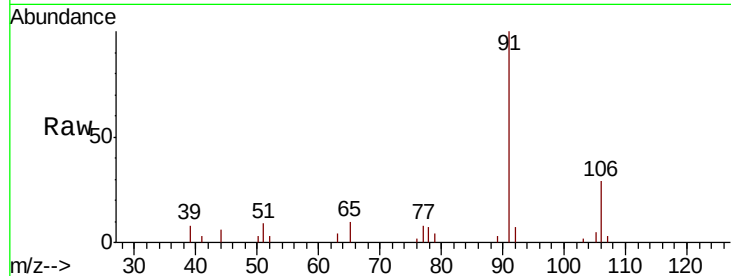
MDL06

Manual Integrations

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MMDadoda

11/5/2018 4:10:26 PM



Abundance Ion 91.15 (90.85 to 91.85): VU027899.D (-2419) (-)

Ion 106.15 (105.85 to 106.85): VU027899.D (-2419) (-)

6000

5000

4000

3000

2000

1000

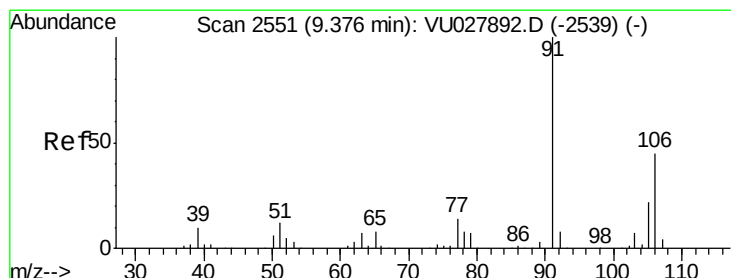
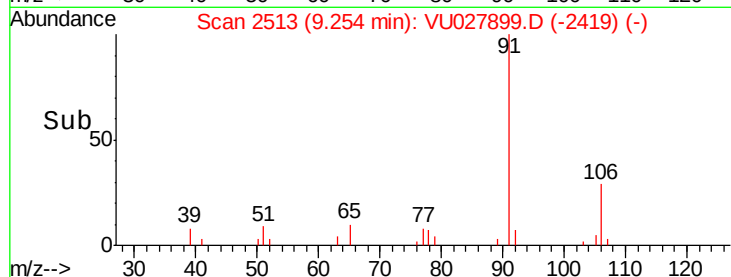
0

9.25

9.20

9.30

Time-->



#53

m,p-xylene

Concen: 0.245 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027899.D

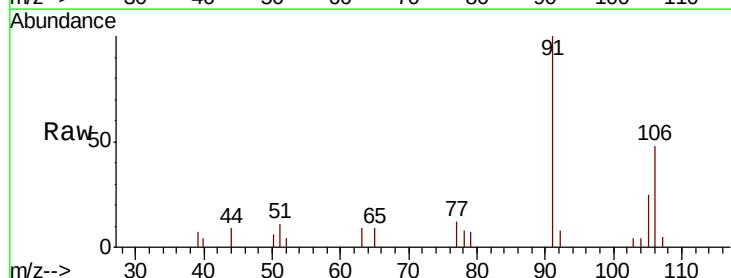
Acq: 01 Nov 2018 13:11

Tgt Ion: 106 Resp: 2682

Ion Ratio Lower Upper

106 100

91 210.3 148.7 276.1



Abundance Ion 106.15 (105.85 to 106.85): VU027899.D (-2458) (-)

Ion 91.15 (90.85 to 91.85): VU027899.D (-2458) (-)

4000

3000

2000

1000

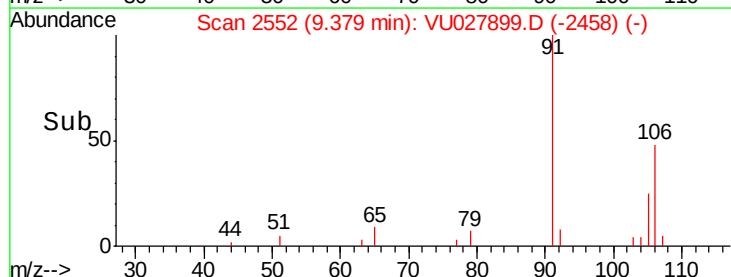
0

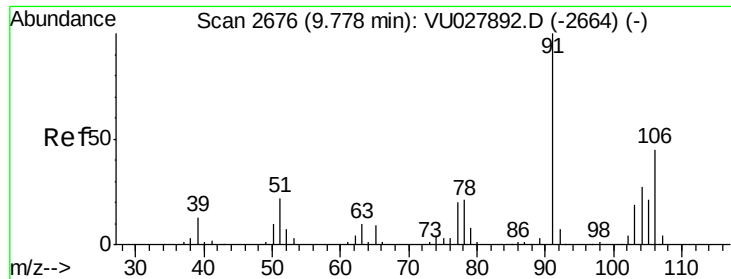
9.38

9.35

9.40

Time-->





#54

o-xylene

Concen: 0.224 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion:106 Resp: 2408

Ion Ratio Lower Upper

106 100

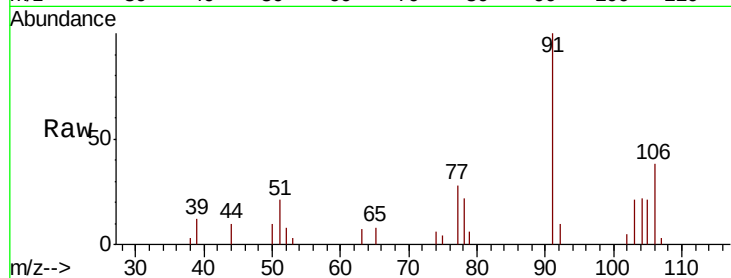
91 263.6 158.3 293.9

Manual Integrations

APPROVED

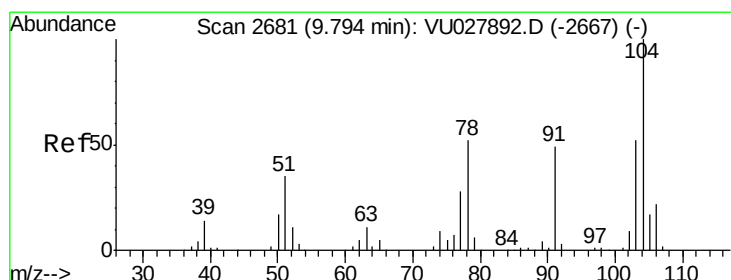
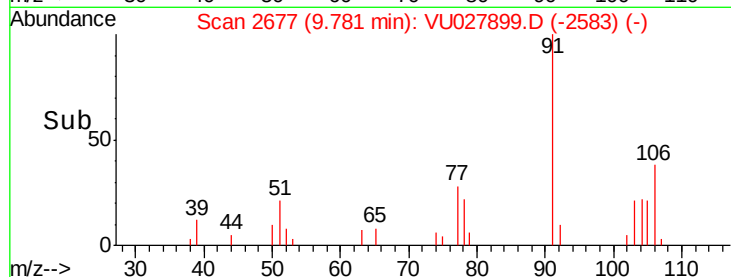
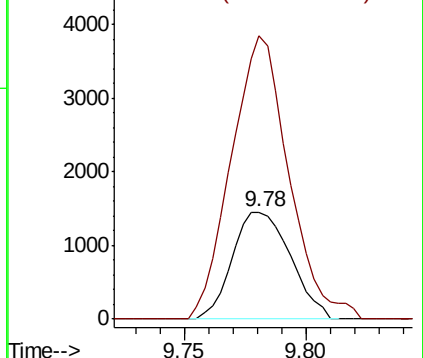
MMDadoda

11/5/2018 4:10:26 PM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 0.256 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027899.D

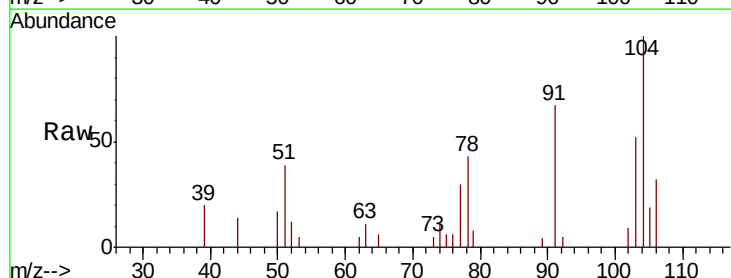
Acq: 01 Nov 2018 13:11

Tgt Ion:104 Resp: 4607

Ion Ratio Lower Upper

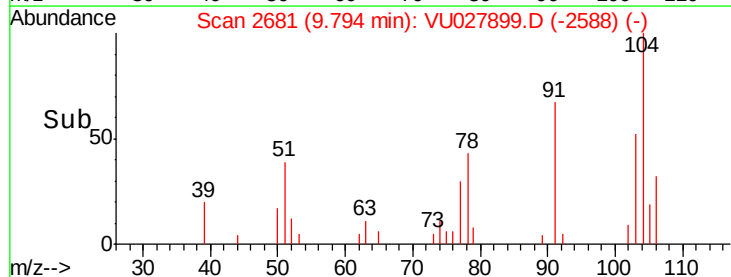
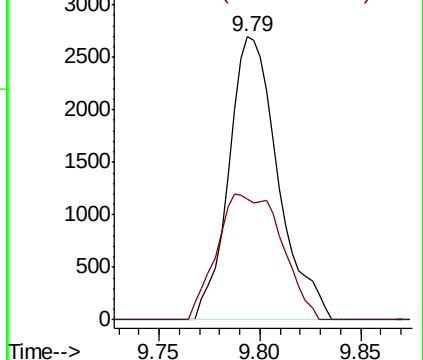
104 100

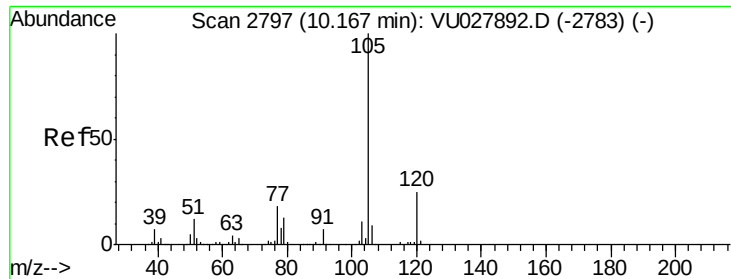
78 42.7 35.6 66.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





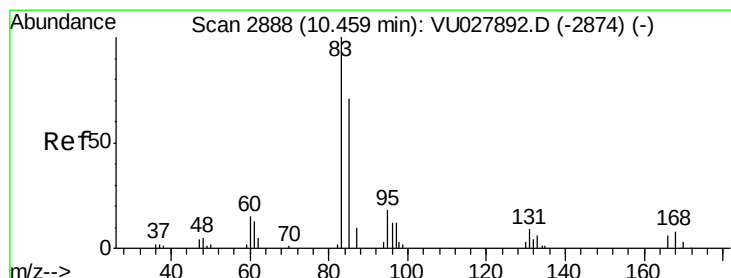
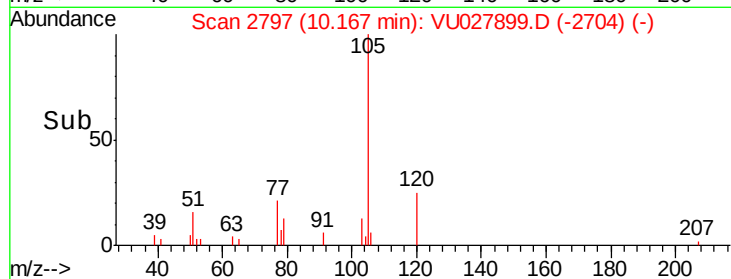
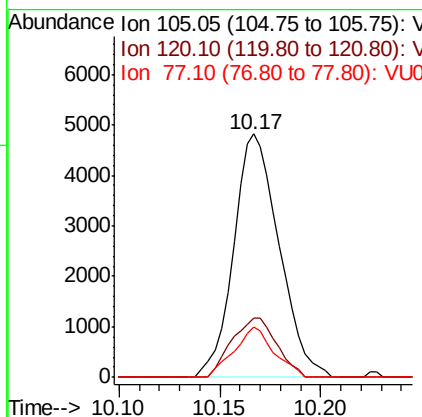
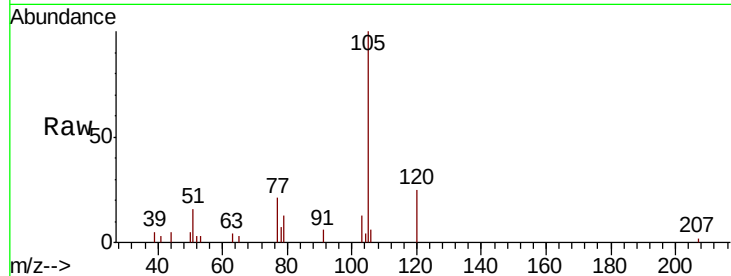
#56
Isopropylbenzene
Concen: 0.260 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.2	30.2
77	18.1	13.4	20.2

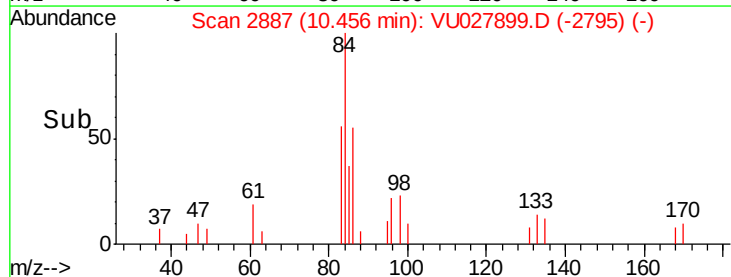
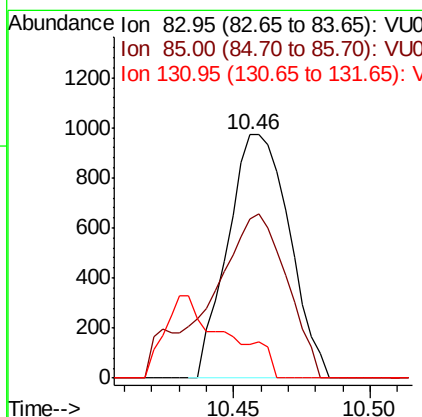
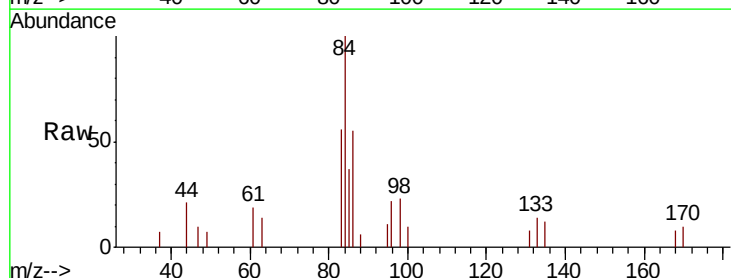
Manual Integrations
APPROVED

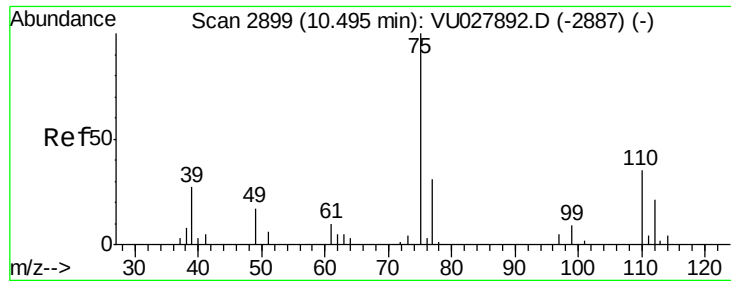
MMDadoda
11/5/2018 4:10:26 PM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.264 ug/L
RT: 10.46 min Scan# 2887
Delta R.T. -0.00 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	44.4	82.4
131	13.8	6.8	10.2





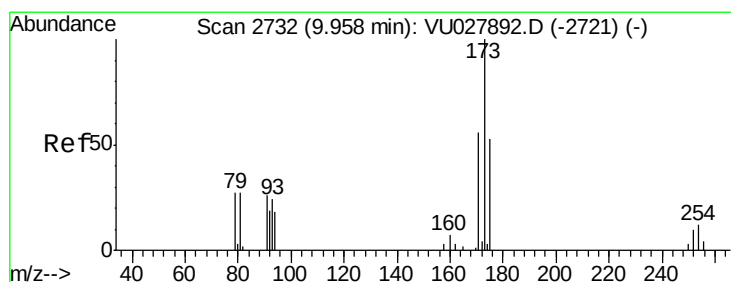
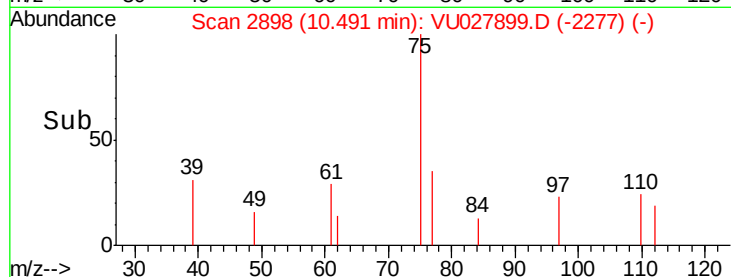
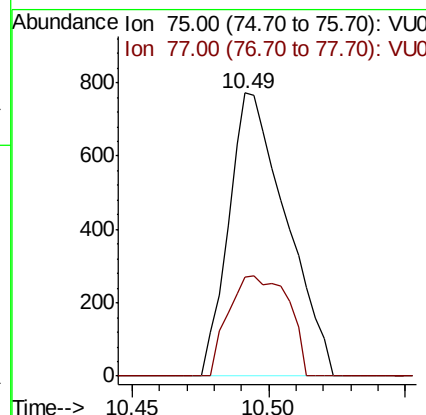
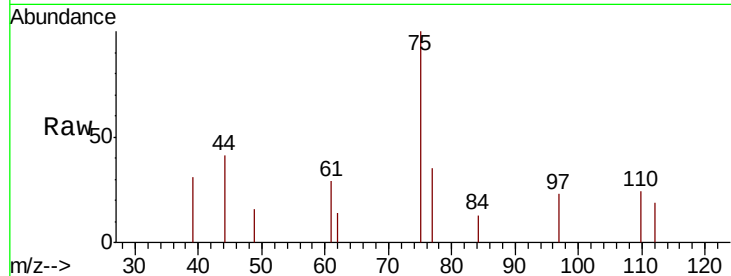
#59
 1,2,3-Trichloropropane
 Concen: 0.259 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 1132
 Ion Ratio Lower Upper
 75 100
 77 36.7 25.8 38.6

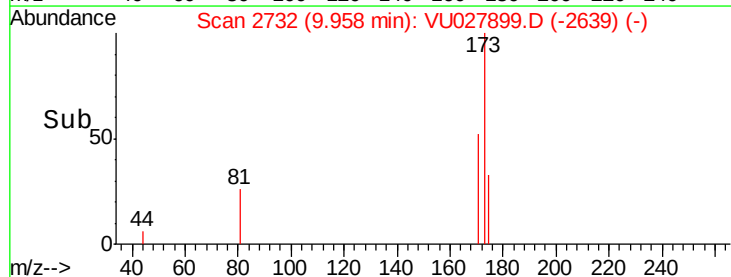
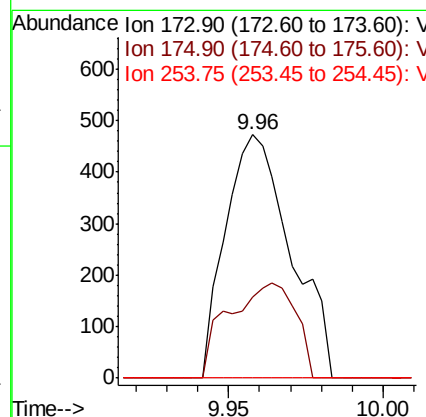
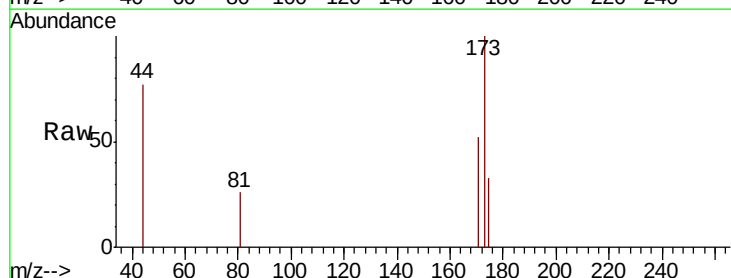
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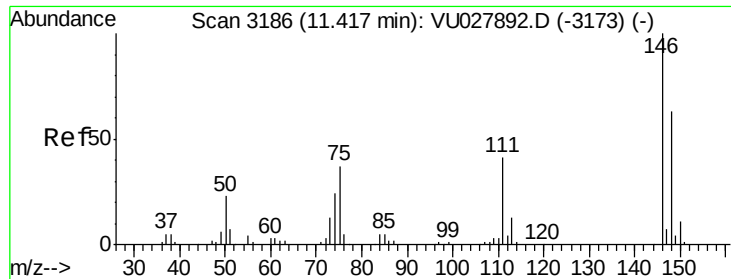
MMDadoda
 11/5/2018 4:10:26 PM



#61
 Bromoform
 Concen: 0.232 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion: 173 Resp: 694
 Ion Ratio Lower Upper
 173 100
 175 39.9 38.3 57.5
 254 0.0 7.8 11.6#





#62

1,3-Dichlorobenzene

Concen: 0.259 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

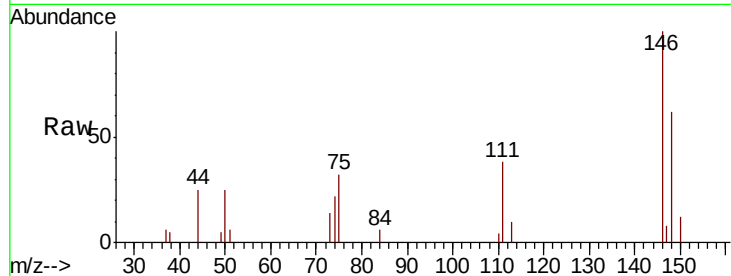
ClientSampleId :

MDL06

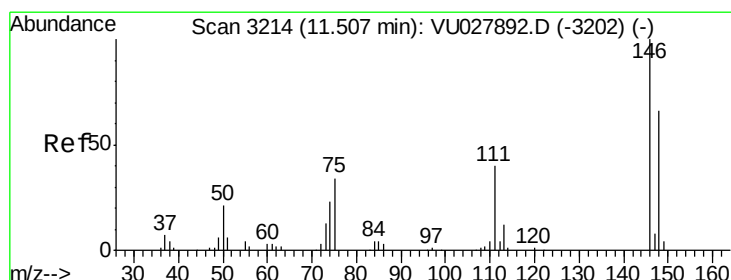
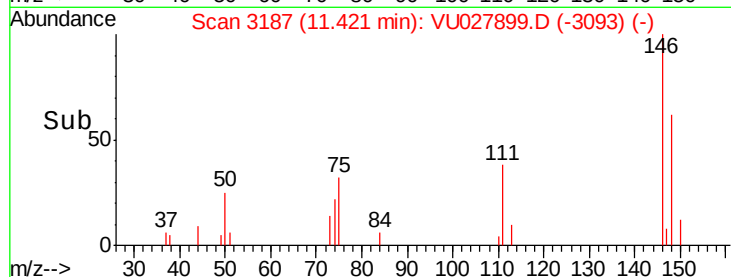
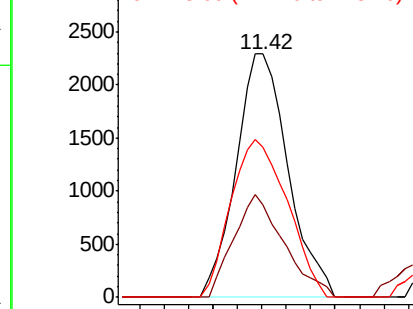
Tot Ion:	146	Resp:	3390
Ion Ratio	Lower	Upper	
146	100		
111	38.0	27.4	51.0
148	61.9	42.6	79.0

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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



#63

1,4-Dichlorobenzene

Concen: 0.263 ug/L

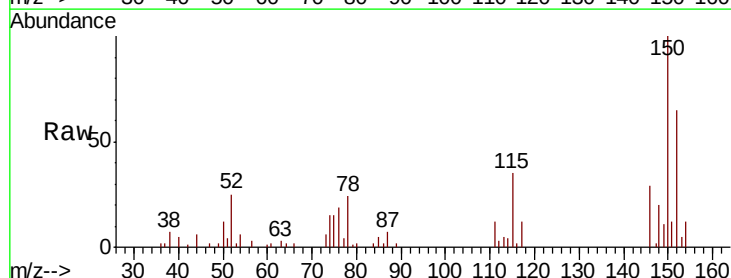
RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

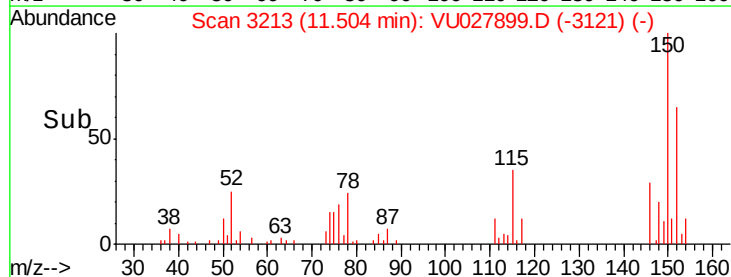
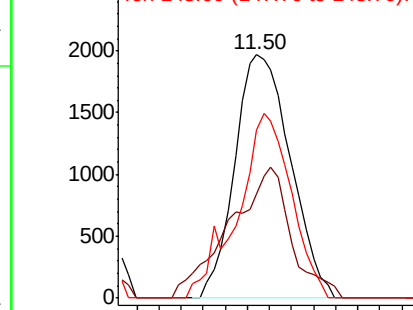
Lab File: VU027899.D

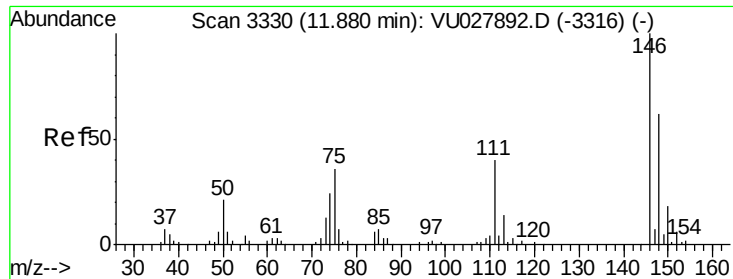
Acq: 01 Nov 2018 13:11

Tgt Ion:	146	Resp:	3446
Ion Ratio	Lower	Upper	
146	100		
111	43.0	27.4	51.0
148	68.8	43.1	80.1



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

1,2-Dichlorobenzene

Concen: 0.283 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Instrument :

MSVOA_U

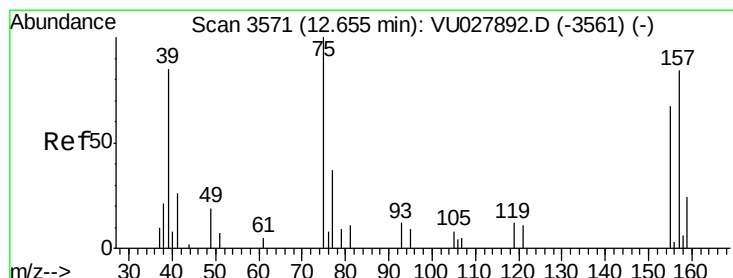
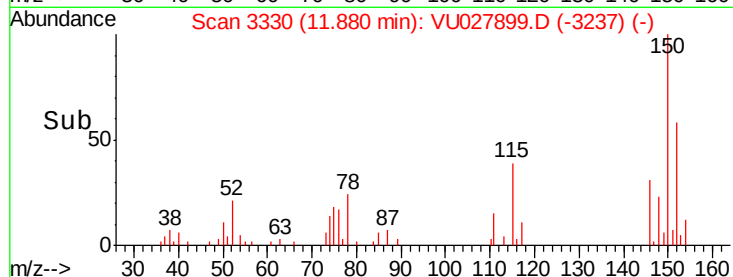
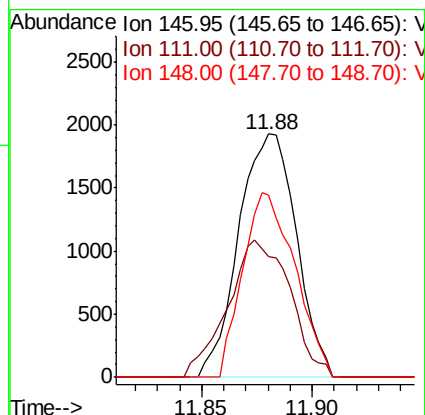
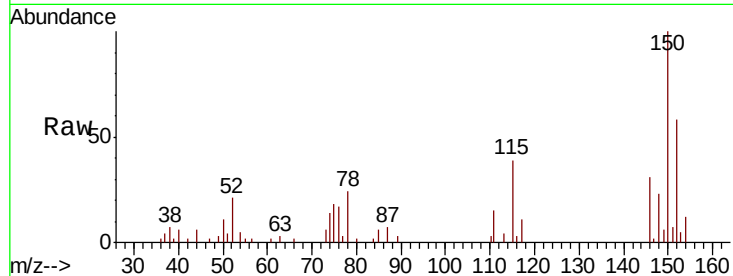
ClientSampled :

MDL06

Tot Ion:	146	Resp:	3496
Ion Ratio	Lower	Upper	
146	100		
111	49.5	33.0	49.4#
148	74.7	49.2	73.8#

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.196 ug/L

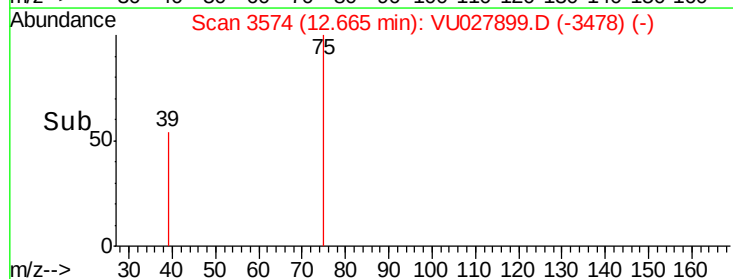
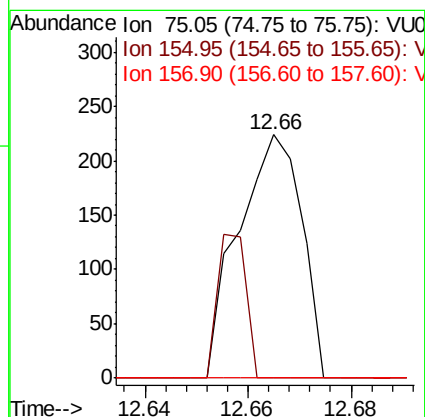
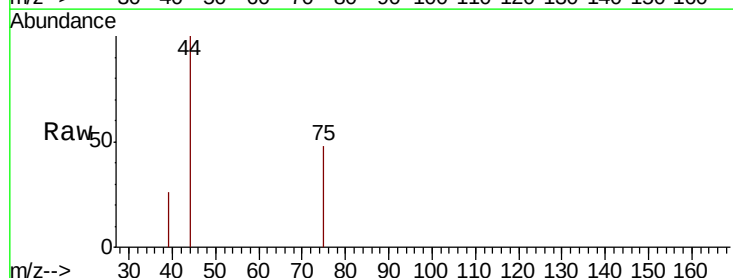
RT: 12.66 min Scan# 3574

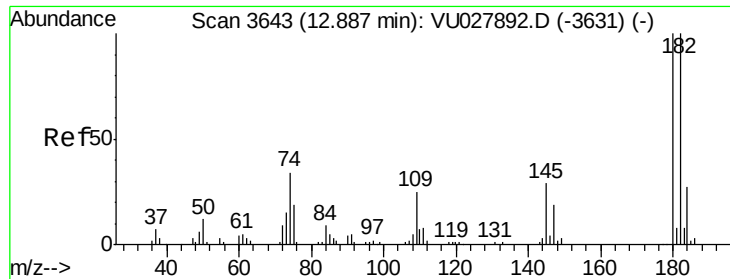
Delta R.T. 0.01 min

Lab File: VU027899.D

Acq: 01 Nov 2018 13:11

Tgt Ion:	75	Resp:	190
Ion Ratio	Lower	Upper	
75	100		
155	0.0	58.6	87.8#
157	0.0	66.7	100.1#





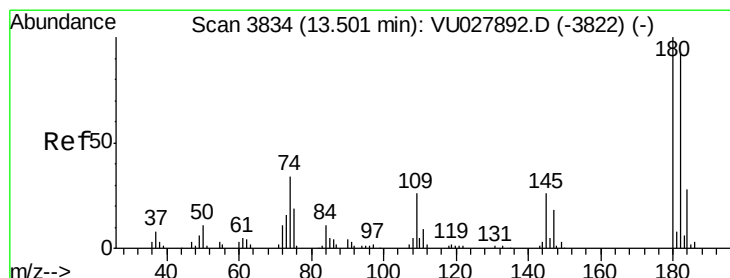
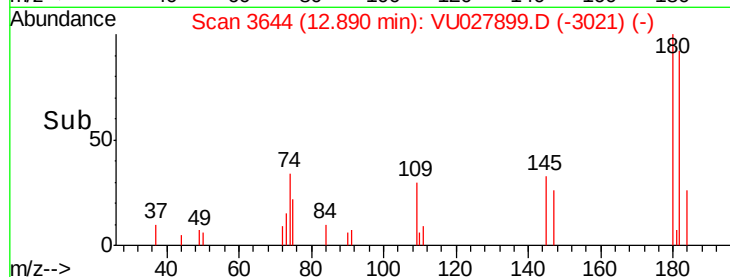
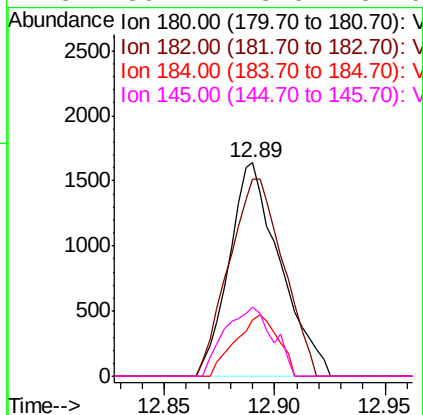
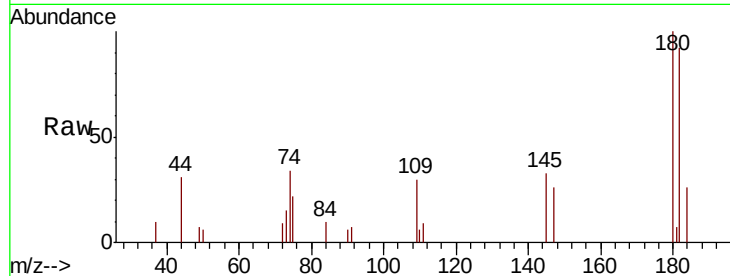
#67
 1,3,5-Trichlorobenzene
 Concen: 0.249 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.3	115.9
184	23.9	24.6	37.0
145	30.7	23.0	34.6

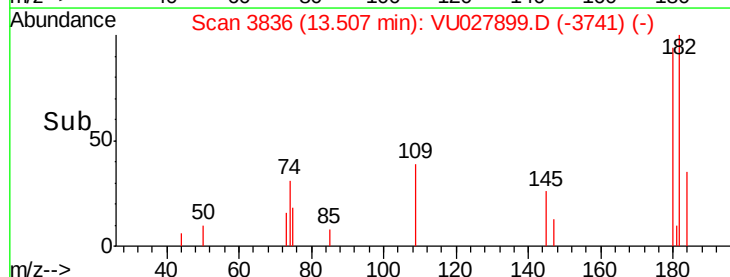
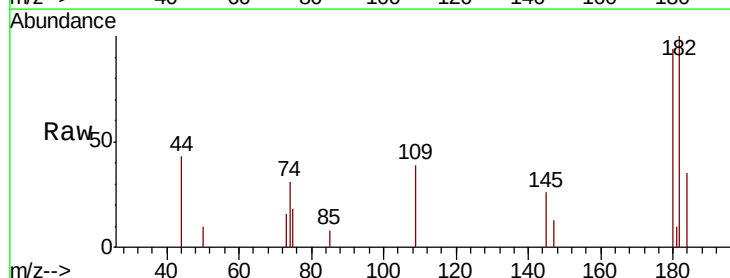
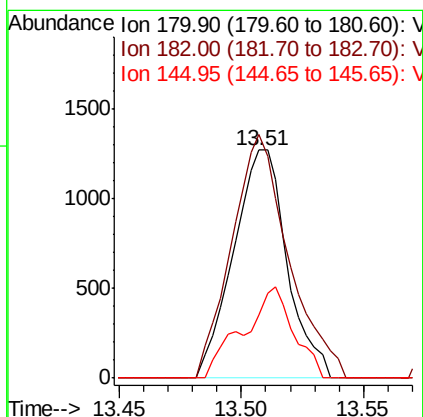
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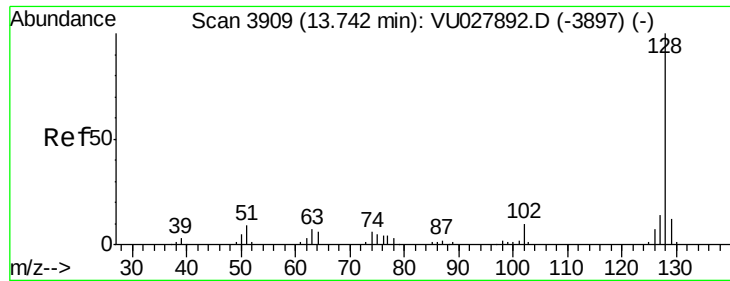
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#68
 1,2,4-trichlorobenzene
 Concen: 0.216 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU027899.D
 Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	113.7	77.8	116.6
145	37.8	22.9	34.3





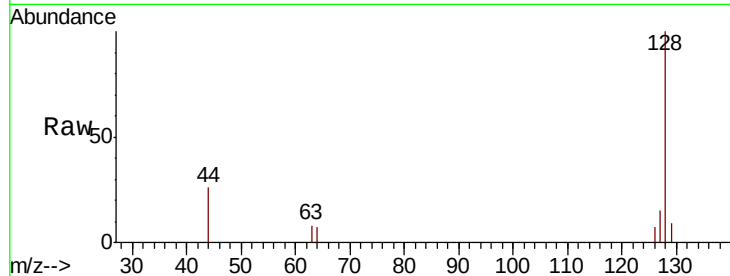
#69
Naphthalene
Concen: 0.238 ug/L
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	3.1	8.6	12.8#
127	6.9	10.5	15.7#

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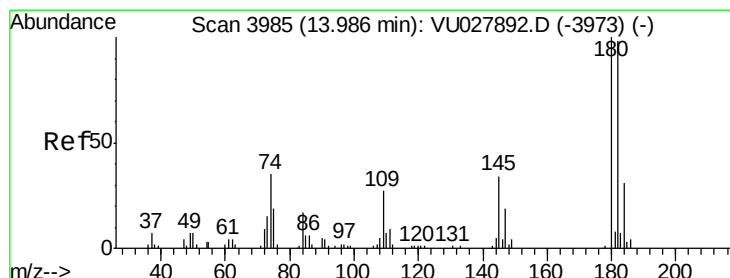
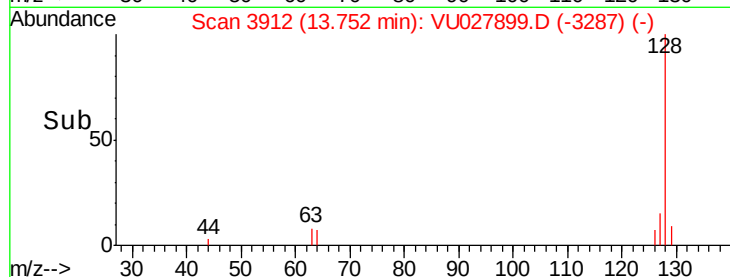
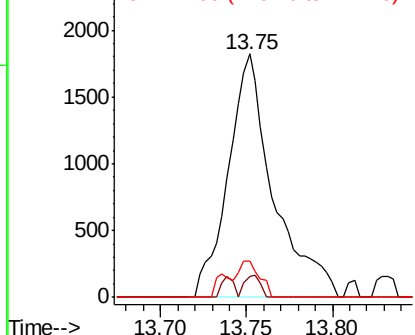


Abundance

Ion 128.00 (127.70 to 128.70): V

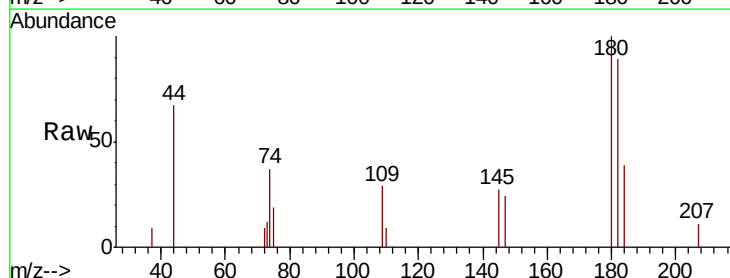
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 0.264 ug/L
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027899.D
Acq: 01 Nov 2018 13:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.3	79.4	119.0
145	22.4	25.4	38.0#



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

