

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027582.D
 Acq On : 11 Oct 2018 08:22
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:48 PM

Quant Time: Oct 12 09:28:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 09:56:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	110472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	187545	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	164219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	1157	0.73	ug/l	94
3) Chloromethane	1.33	50	1910	0.89	ug/l	100
4) Vinyl Chloride	1.40	62	1640	0.81	ug/l	100
5) Bromomethane	1.62	94	1042	1.19	ug/l	92
6) Chloroethane	1.70	64	1279m	1.05	ug/l	
7) Trichlorofluoromethane	1.88	101	1975	0.96	ug/l	87
8) Diethyl Ether	2.10	74	749	0.79	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	2.29	101	1100	0.92	ug/l	96
12) 1,1-Dichloroethene	2.28	96	1117	0.96	ug/l	94
14) Allyl chloride	2.59	41	2784	1.00	ug/l #	87
15) Acrylonitrile	2.94	53	4127	4.08	ug/l	96
16) Acetone	2.32	43	6397	5.87	ug/l	97
17) Carbon Disulfide	2.48	76	3737	0.89	ug/l	99
18) Methyl Acetate	2.62	43	2586	1.04	ug/l #	87
19) Methyl tert-butyl Ether	3.00	73	3926	0.84	ug/l	98
20) Methylene Chloride	2.70	84	1590	1.05	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	1192	0.91	ug/l	89
22) Diisopropyl ether	3.58	45	4634	0.82	ug/l #	74
23) Vinyl Acetate	3.53	43	18441	3.75	ug/l	98
24) 1,1-Dichloroethane	3.45	63	2684	0.93	ug/l #	85
25) 2-Butanone	4.28	43	6314	4.25	ug/l	96
26) 2,2-Dichloropropane	4.22	77	2391	1.00	ug/l #	77
27) cis-1,2-Dichloroethene	4.23	96	1165	0.78	ug/l	87
28) Bromochloromethane	4.55	49	1364	0.98	ug/l #	82
29) Tetrahydrofuran	4.65	42	3732	3.98	ug/l	95
30) Chloroform	4.68	83	2322	0.90	ug/l	90
31) Cyclohexane	4.99	56	4887	1.44	ug/l #	40
32) 1,1,1-Trichloroethane	4.92	97	1946	0.90	ug/l #	40
36) 1,1-Dichloropropene	5.14	75	1619	0.80	ug/l	87
37) Ethyl Acetate	4.40	43	1615	0.61	ug/l #	70
38) Carbon Tetrachloride	5.14	117	1556	0.85	ug/l #	93
39) Methylcyclohexane	6.42	83	1800	0.76	ug/l	96
40) Benzene	5.40	78	5458	0.92	ug/l	95
41) Methacrylonitrile	4.55	41	962	0.65	ug/l #	92

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Quant Time: Oct 12 09:28:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	5.41	62	1940	0.88	ug/l #	76
43) Isopropyl Acetate	5.56	43	3073	0.75	ug/l #	90
44) Trichloroethene	6.19	130	1103	0.83	ug/l	88
45) 1,2-Dichloropropane	6.43	63	1428	0.83	ug/l	97
46) Dibromomethane	6.57	93	870	0.90	ug/l	96
47) Bromodichloromethane	6.76	83	1826	0.91	ug/l #	93
48) Methyl methacrylate	6.64	41	1331	0.65	ug/l	97
49) 1,4-Dioxane	6.63	88	553	15.81	ug/l #	70
51) 4-Methyl-2-Pentanone	7.47	43	10110	3.81	ug/l	94
52) Toluene	7.64	92	2591	0.74	ug/l	93
53) t-1,3-Dichloropropene	7.89	75	1616	0.69	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	2027	0.80	ug/l #	94
55) 1,1,2-Trichloroethane	8.07	97	1178	0.85	ug/l #	79
56) Ethyl methacrylate	8.03	69	1447	0.63	ug/l	96
57) 1,3-Dichloropropane	8.25	76	2311	0.86	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.13	63	4497	3.48	ug/l	99
59) 2-Hexanone	8.37	43	7520	3.65	ug/l	88
60) Dibromochloromethane	8.48	129	1083	0.78	ug/l	96
61) 1,2-Dibromoethane	8.59	107	1283	0.87	ug/l	90
64) Tetrachloroethene	8.23	164	942	0.92	ug/l	91
65) Chlorobenzene	9.12	112	3330	0.96	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	951	0.80	ug/l #	53
67) Ethyl Benzene	9.25	91	4706	0.77	ug/l	97
68) m/p-Xylenes	9.38	106	3187	1.42	ug/l	99
69) o-Xylene	9.78	106	1563	0.73	ug/l	91
70) Styrene	9.80	104	2295	0.66	ug/l	92
71) Bromoform	9.96	173	719	0.75	ug/l #	84
73) Isopropylbenzene	10.17	105	3640	0.70	ug/l	98
74) N-amyI acetate	10.02	43	2066	0.70	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	10.46	83	2267	1.12	ug/l #	90
76) 1,2,3-Trichloropropane	10.49	75	1605m	0.87	ug/l	
77) Bromobenzene	10.46	156	1091	0.91	ug/l	95
78) n-propylbenzene	10.59	91	4555	0.73	ug/l	92
79) 2-Chlorotoluene	10.67	91	3183	0.85	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	2830	0.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	508m	0.72	ug/l	
82) 4-Chlorotoluene	10.78	91	3170	0.74	ug/l	99
83) tert-Butylbenzene	11.10	119	3075	0.75	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	2645	0.61	ug/l	88
85) sec-Butylbenzene	11.32	105	3297	0.64	ug/l	93
86) p-Isopropyltoluene	11.48	119	2866	0.65	ug/l	94
87) 1,3-Dichlorobenzene	11.42	146	2017	0.89	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	2524m	1.08	ug/l	
89) n-Butylbenzene	11.89	91	2470	0.60	ug/l	89
90) Hexachloroethane	12.15	117	725	0.88	ug/l	88
91) 1,2-Dichlorobenzene	11.88	146	2019	0.91	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	347	0.77	ug/l	82
93) 1,2,4-Trichlorobenzene	13.51	180	739	0.52	ug/l	93
94) Hexachlorobutadiene	13.70	225	632	0.87	ug/l	95
95) Naphthalene	13.75	128	1977	0.41	ug/l #	79

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MSVOA_U
ClientSampleId :
VSTDICC001

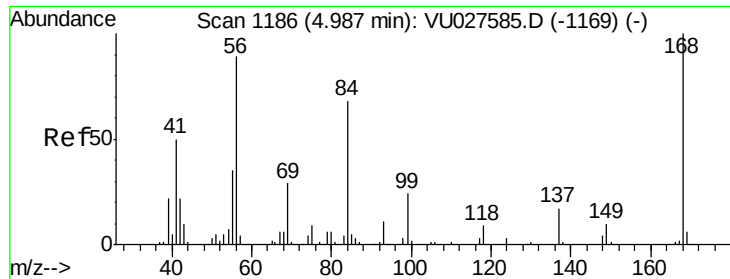
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Oct 11 09:56:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	1128	0.75	ug/l	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 168 Resp: 110472

Ion Ratio Lower Upper

168 100

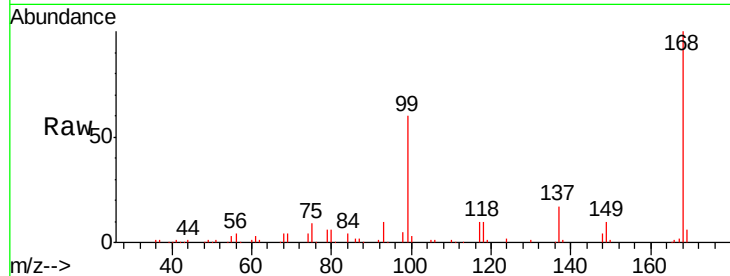
99 59.3 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.98

50000

40000

30000

20000

10000

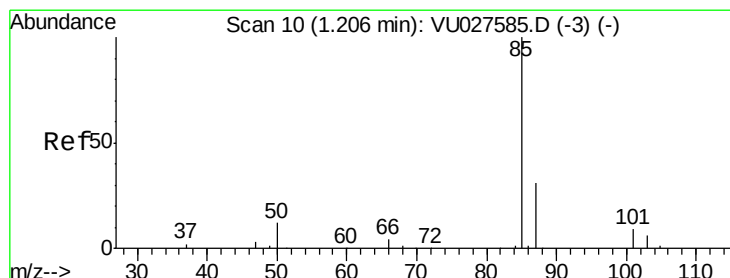
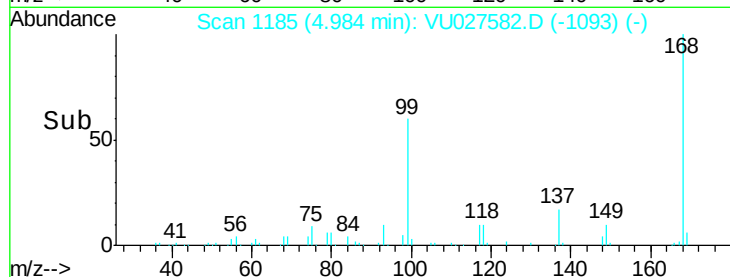
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 0.73 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027582.D

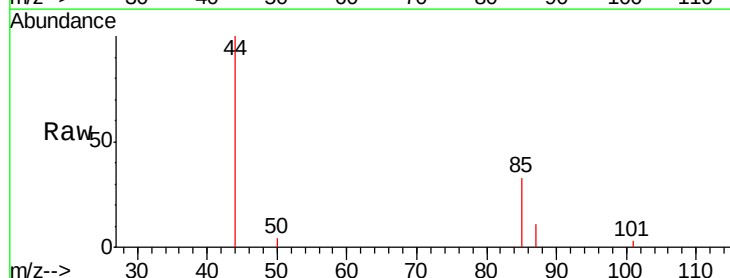
Acq: 11 Oct 2018 08:22

Tgt Ion: 85 Resp: 1157

Ion Ratio Lower Upper

85 100

87 34.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

1500

1000

500

0

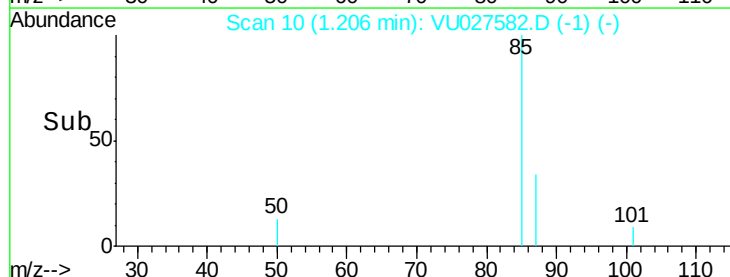
1.18

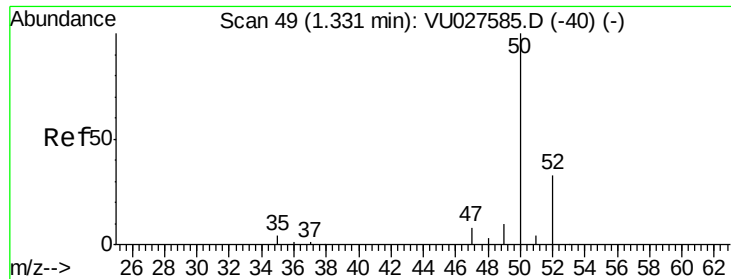
1.20

1.22

1.24

Time-->





#3

Chloromethane

Concen: 0.89 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 1910

Ion Ratio Lower Upper

50 100

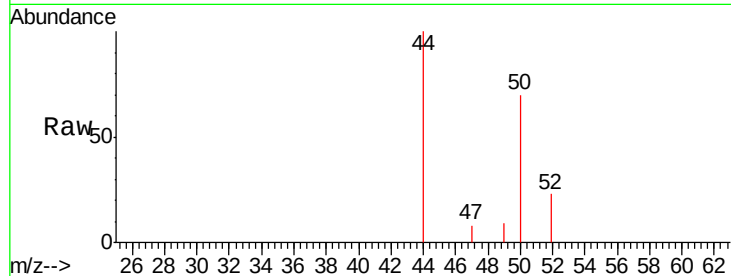
52 33.2 26.5 39.7

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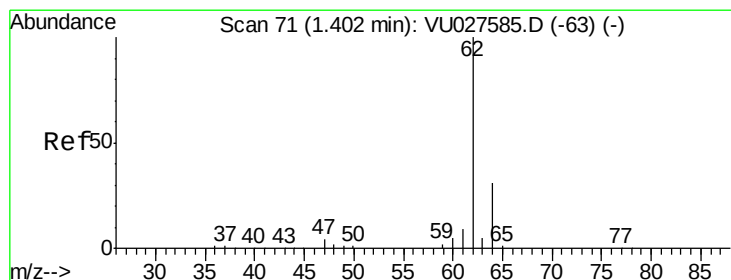
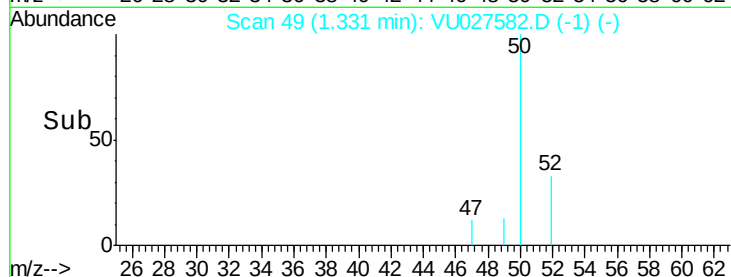
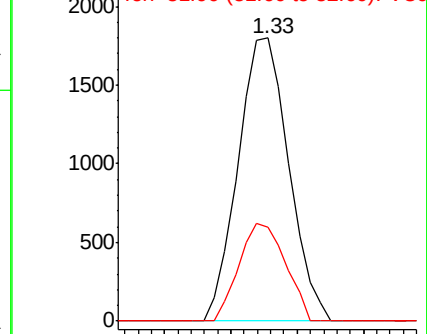
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.81 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027582.D

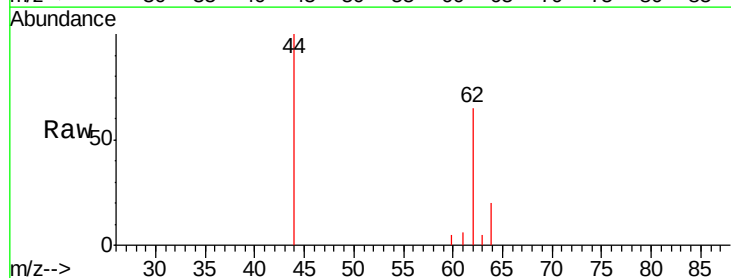
Acq: 11 Oct 2018 08:22

Tgt Ion: 62 Resp: 1640

Ion Ratio Lower Upper

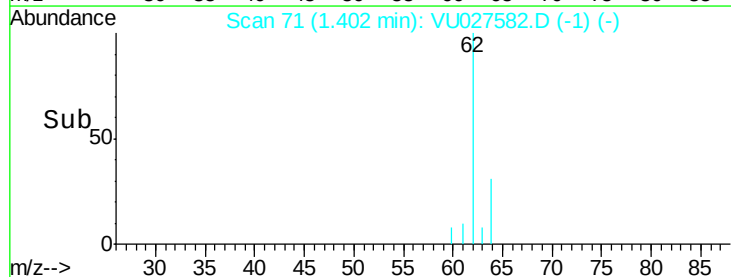
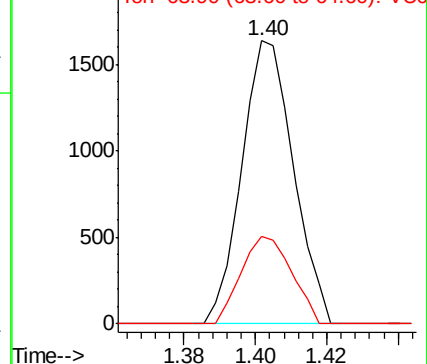
62 100

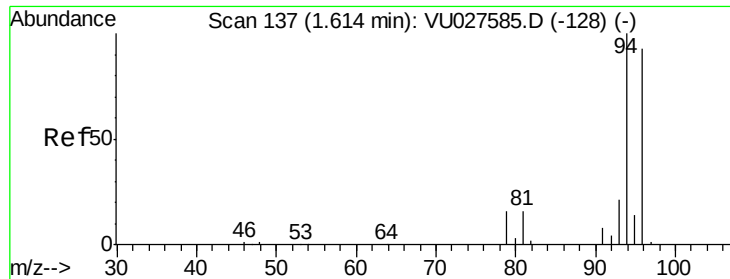
64 31.0 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





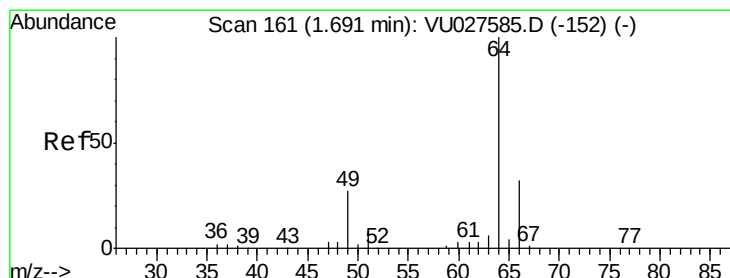
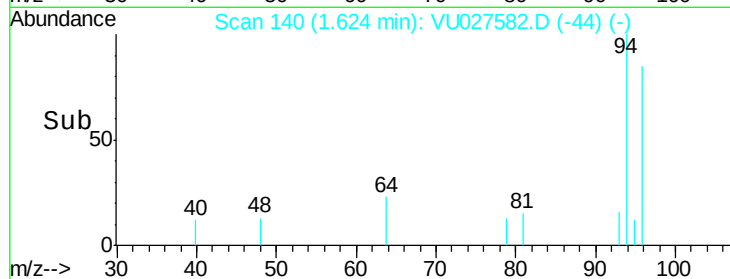
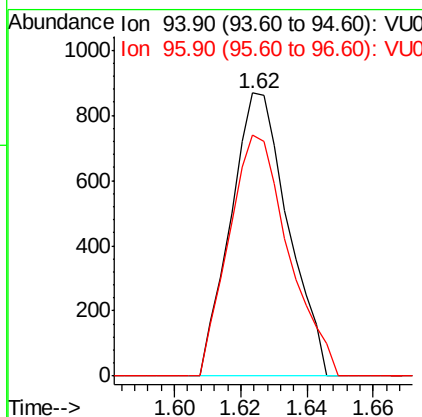
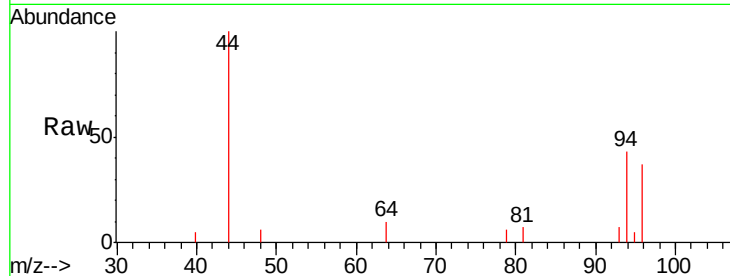
#5
Bromomethane
Concen: 1.19 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 94 Resp: 1042
Ion Ratio Lower Upper
94 100
96 85.4 74.6 111.8

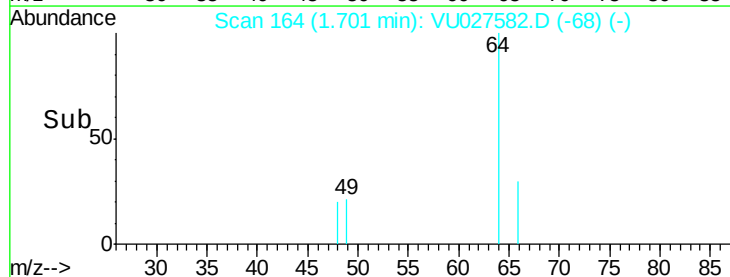
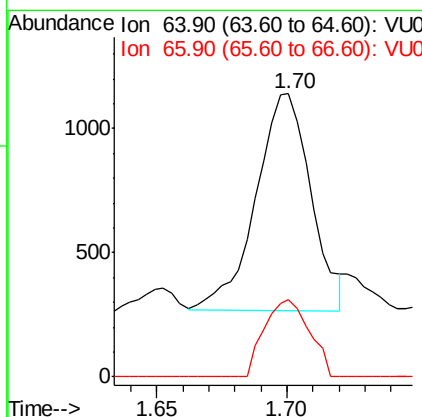
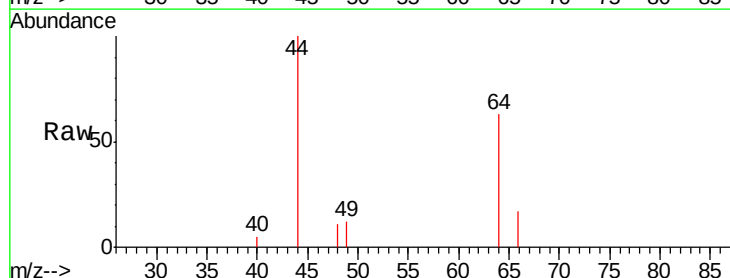
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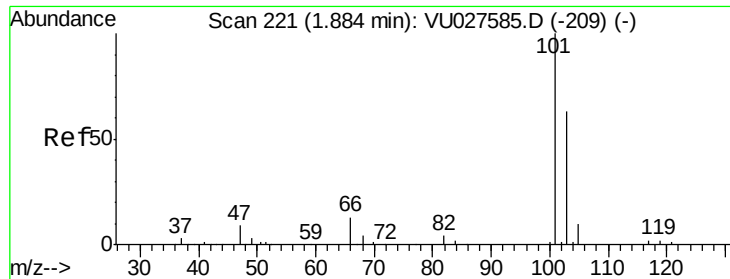
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#6
Chloroethane
Concen: 1.05 ug/l m
RT: 1.70 min Scan# 164
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 64 Resp: 1279
Ion Ratio Lower Upper
64 100
66 27.3 24.6 36.8





#7

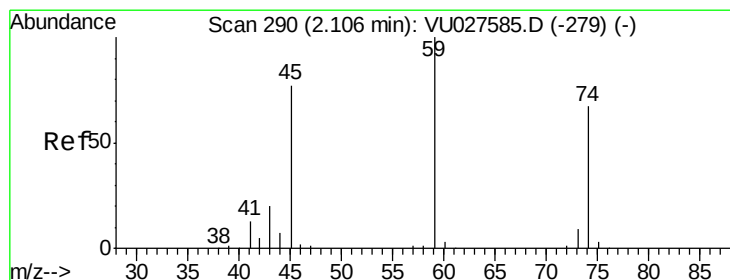
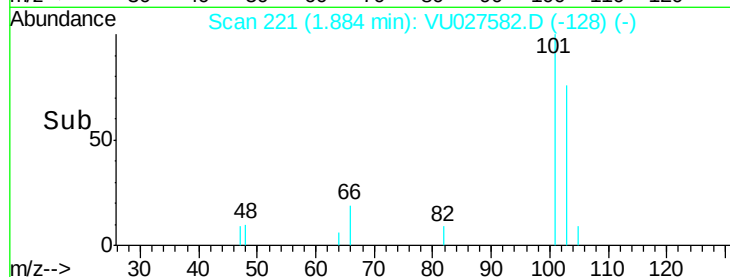
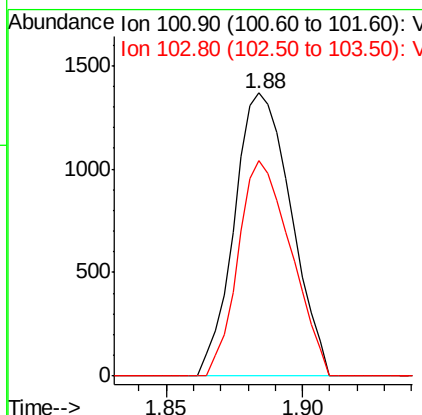
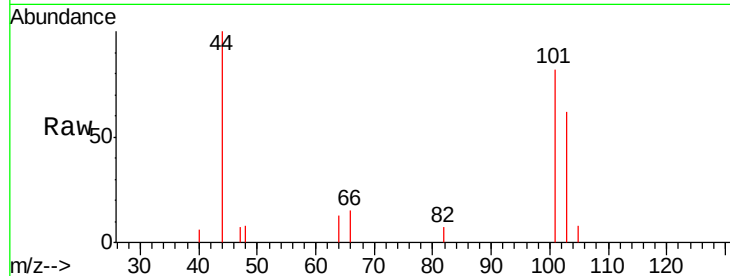
Trichlorofluoromethane
Concen: 0.96 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 101 Resp: 1975
Ion Ratio Lower Upper
101 100
103 76.0 52.6 78.8

Manual Integrations
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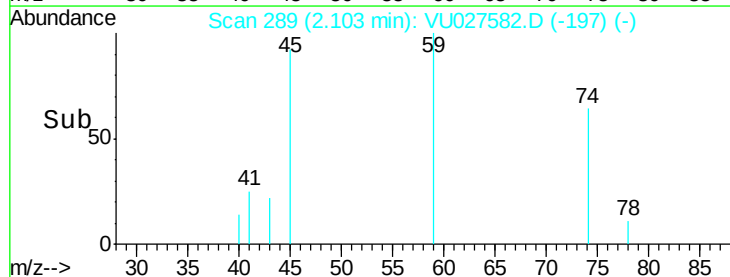
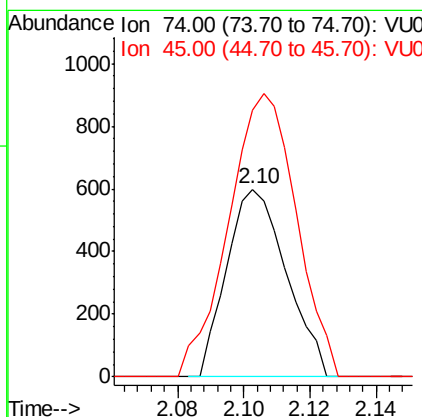
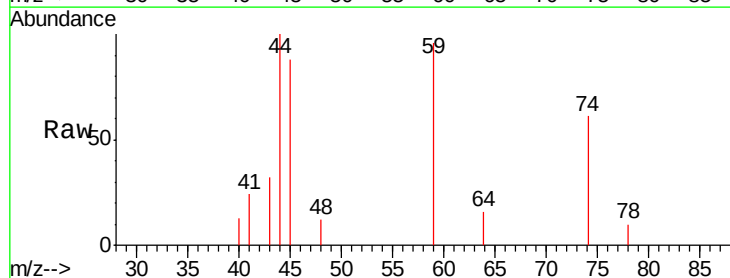
MMDadoda
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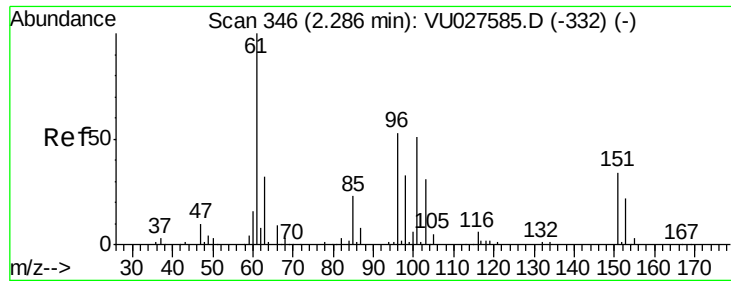


#8

Diethyl Ether
Concen: 0.79 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 74 Resp: 749
Ion Ratio Lower Upper
74 100
45 171.2 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.92 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

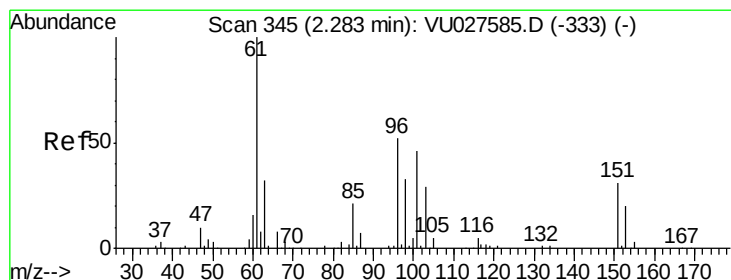
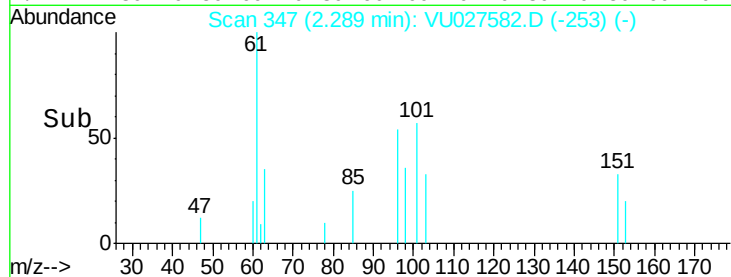
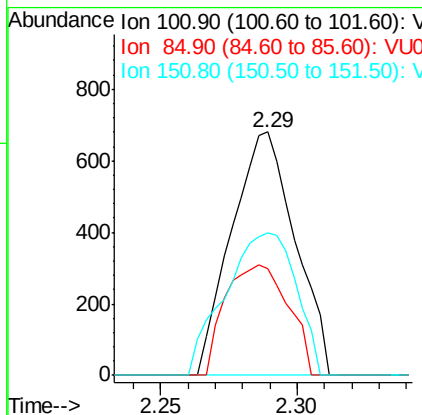
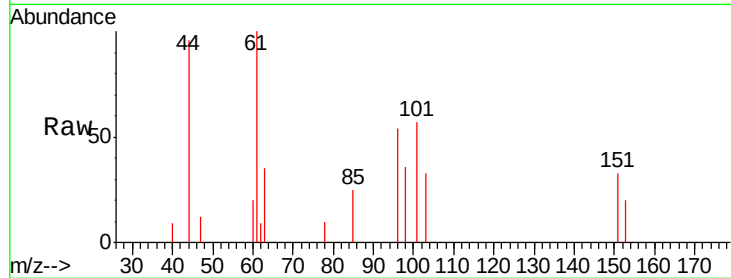
ClientSampleId :

VSTDIC001

Tgt Ion:	101	Resp:	1100
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.5	56.3
151	65.5	55.6	83.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.96 ug/l

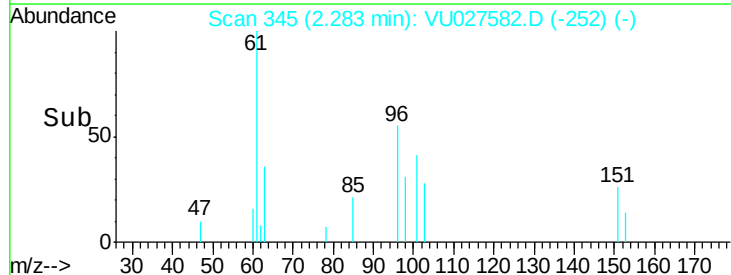
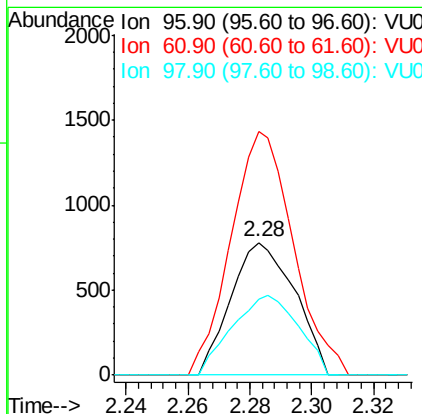
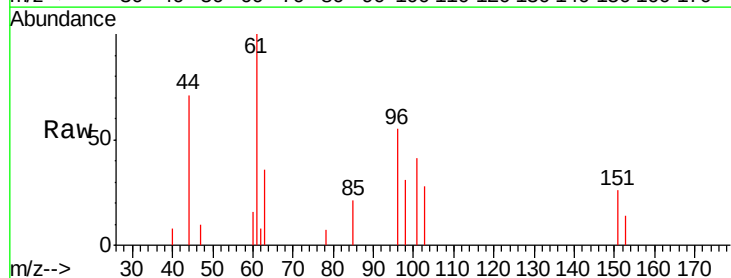
RT: 2.28 min Scan# 345

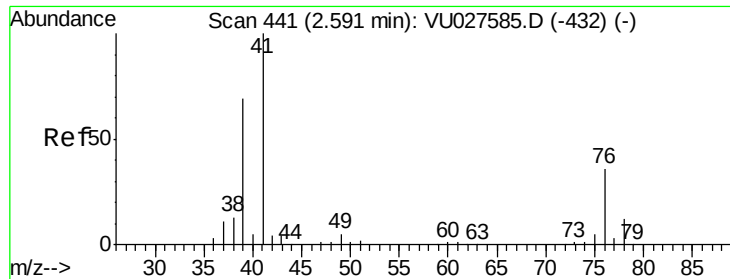
Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion:	96	Resp:	1117
Ion Ratio	Lower	Upper	
96	100		
61	183.4	153.0	229.6
98	56.7	49.3	73.9





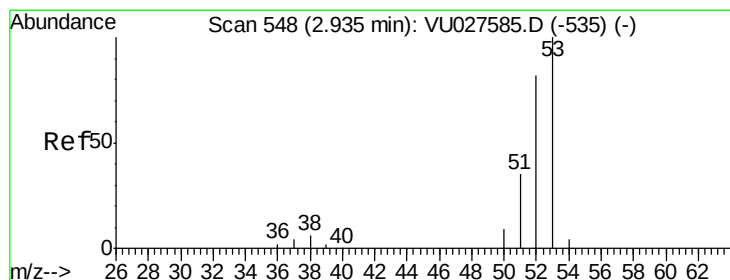
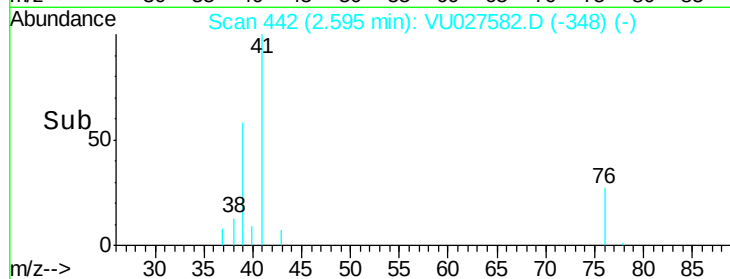
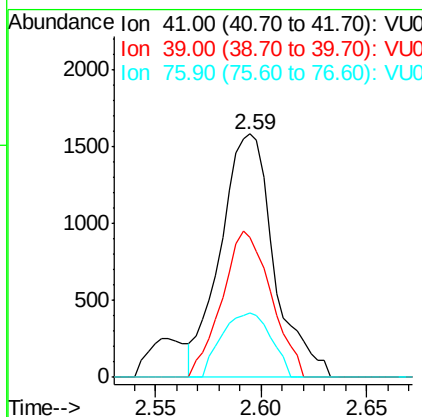
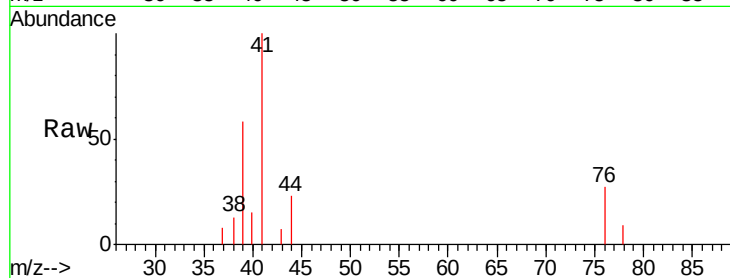
#14
 Allyl chloride
 Concen: 1.00 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.2	51.8	77.8
76	24.5	25.9	38.9#

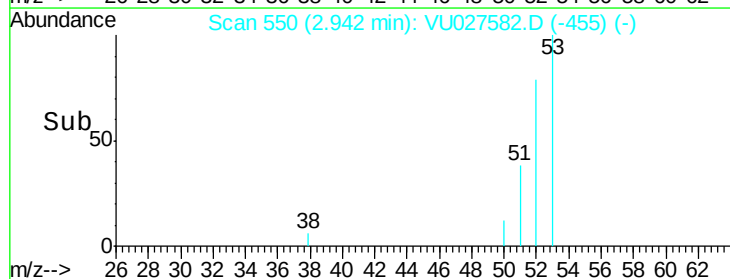
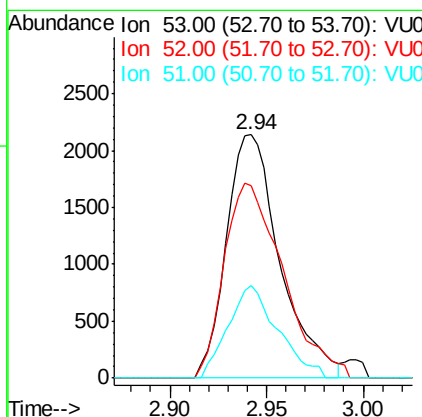
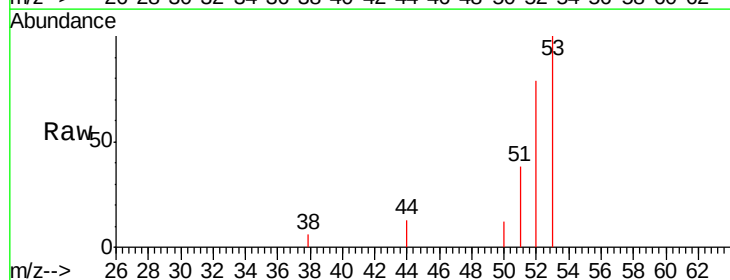
Manual Integrations
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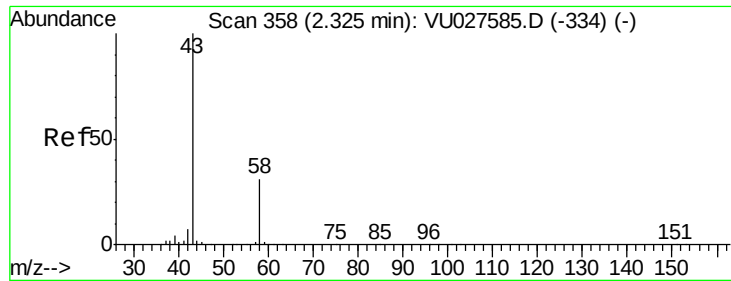
MMDadoda
 10/16/2018 2:22:48 PM



#15
 Acrylonitrile
 Concen: 4.08 ug/l
 RT: 2.94 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
53	100		
52	88.1	66.5	99.7
51	35.2	27.6	41.4





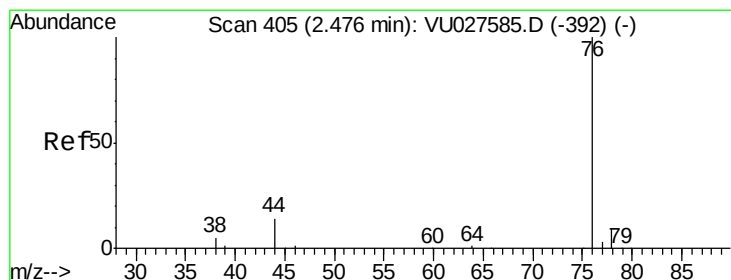
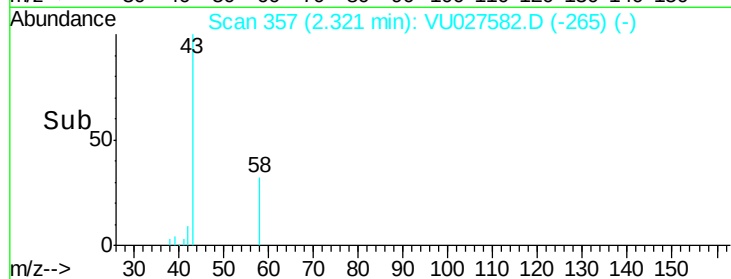
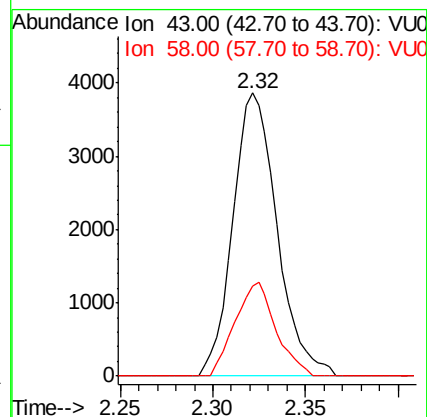
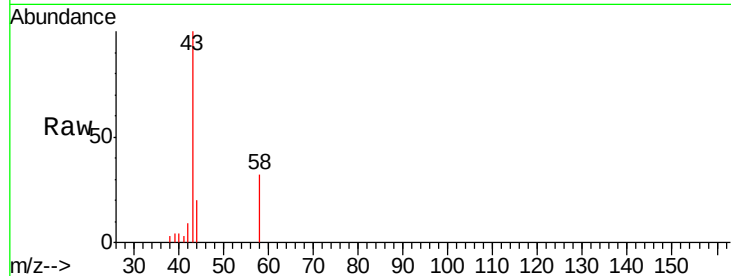
#16
Acetone
Concen: 5.87 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 6397
Ion Ratio Lower Upper
43 100
58 32.0 24.2 36.4

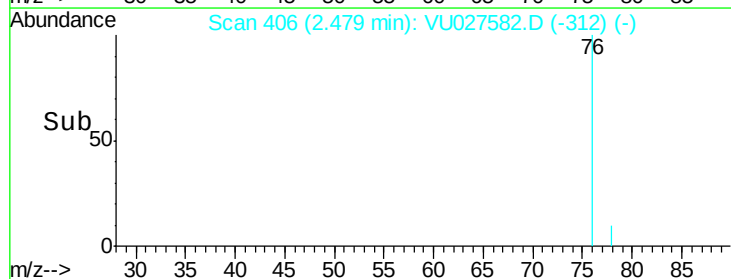
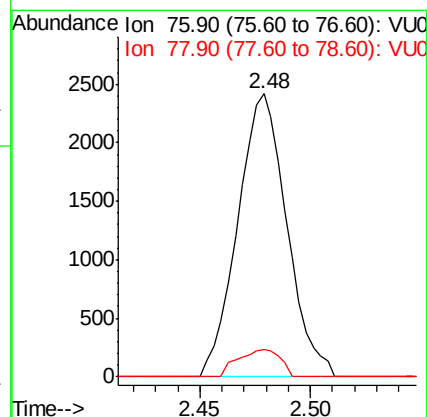
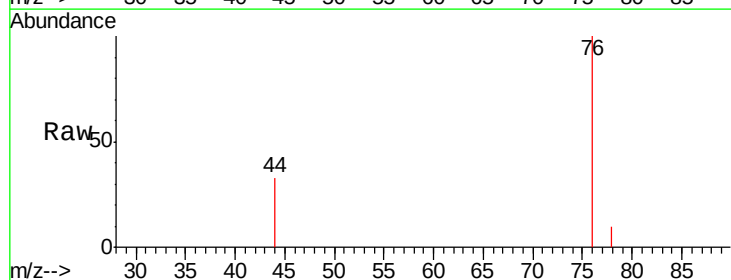
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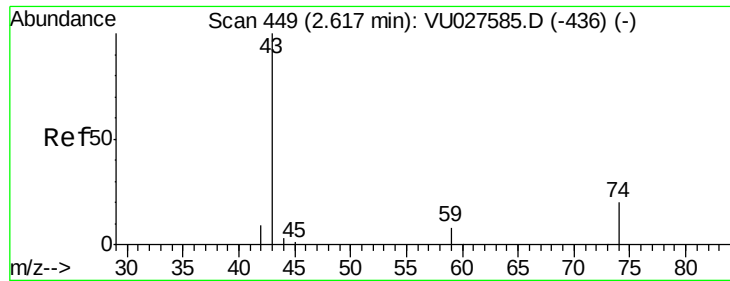
MMDadoda
10/16/2018 2:22:48 PM



#17
Carbon Disulfide
Concen: 0.89 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 76 Resp: 3737
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9





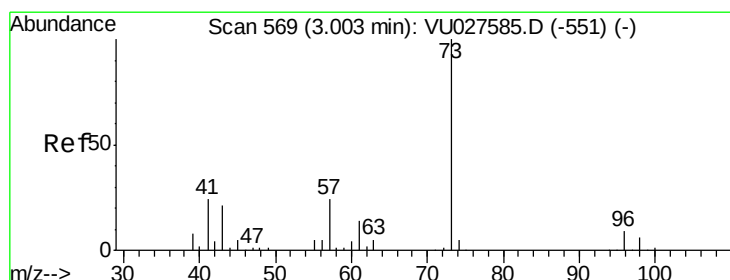
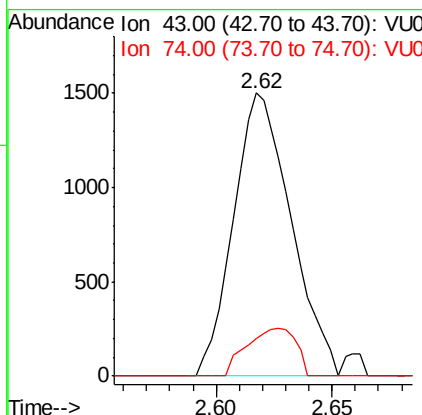
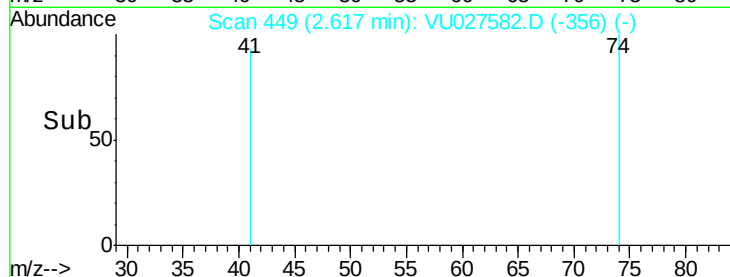
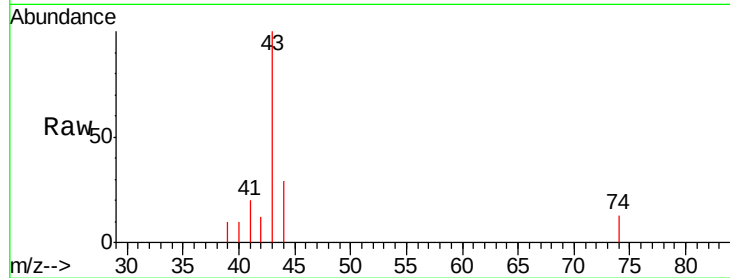
#18
Methyl Acetate
Concen: 1.04 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 2586
Ion Ratio Lower Upper
43 100
74 14.5 16.5 24.7#

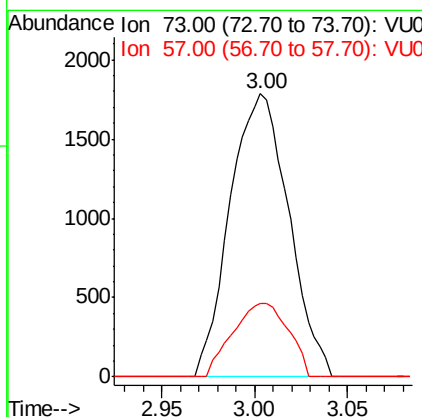
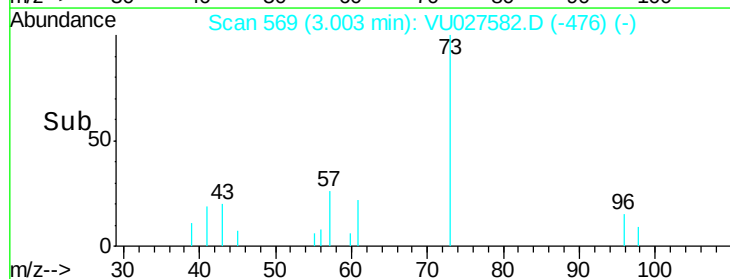
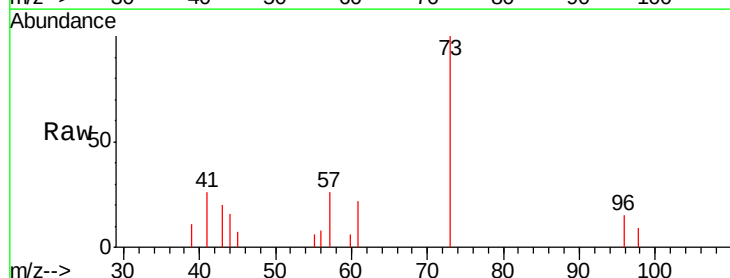
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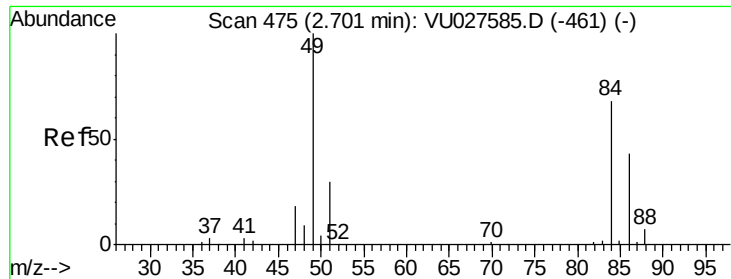
MMDadoda
10/16/2018 2:22:48 PM



#19
Methyl tert-butyl Ether
Concen: 0.84 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 73 Resp: 3926
Ion Ratio Lower Upper
73 100
57 25.9 20.0 30.0





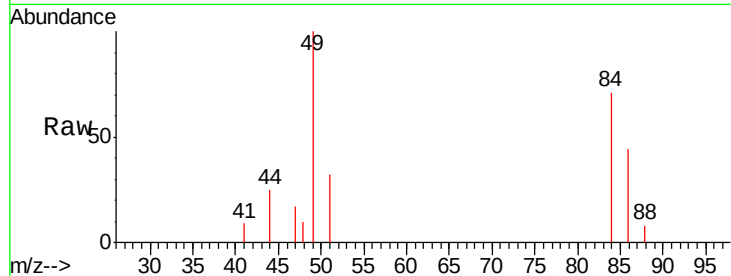
#20
Methylene Chloride
Concen: 1.05 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

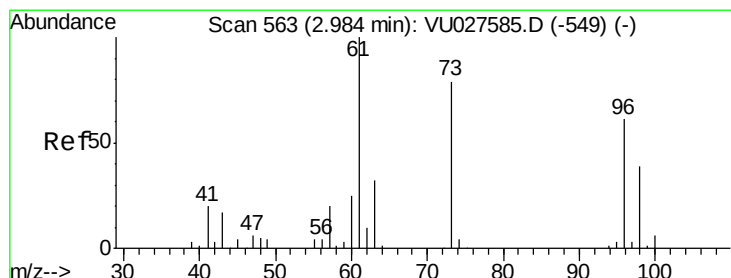
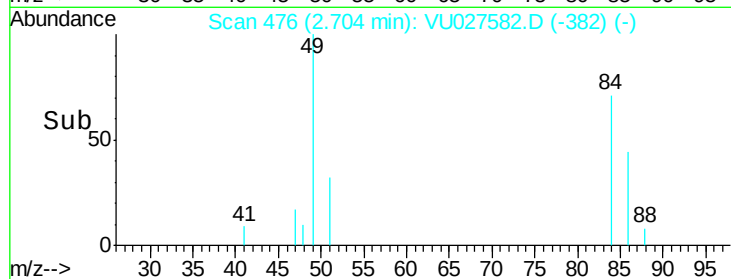
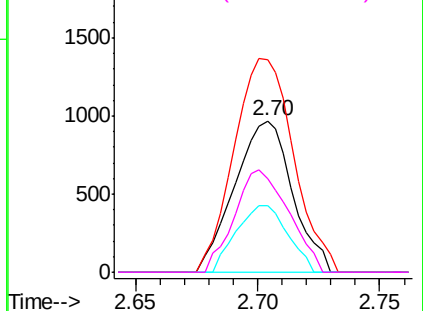
Tgt Ion:	84	Resp:	1590
Ion	Ratio	Lower	Upper
84	100		
49	140.6	120.5	180.7
51	44.5	35.1	52.7
86	62.2	50.5	75.7

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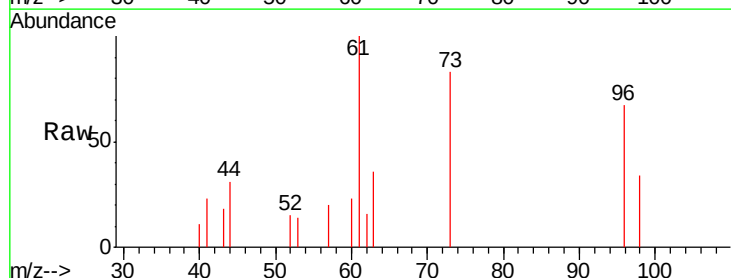


Abundance Ion 83.90 (83.60 to 84.60): VU0
Ion 48.90 (48.60 to 49.60): VU0
Ion 50.90 (50.60 to 51.60): VU0
Ion 85.90 (85.60 to 86.60): VU0

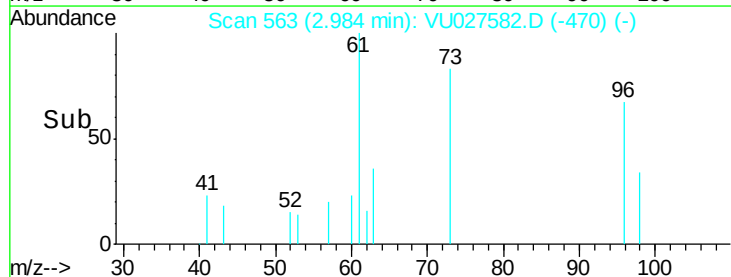
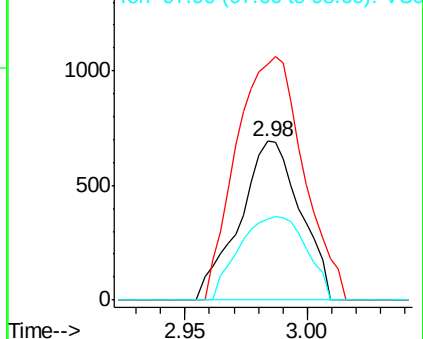


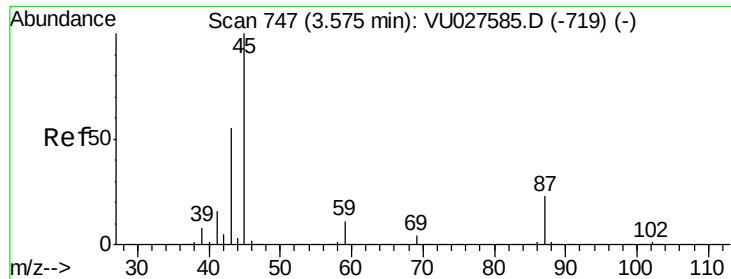
#21
trans-1,2-Dichloroethene
Concen: 0.91 ug/l
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion:	96	Resp:	1192
Ion	Ratio	Lower	Upper
96	100		
61	149.1	129.4	194.2
98	51.3	51.2	76.8



Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0





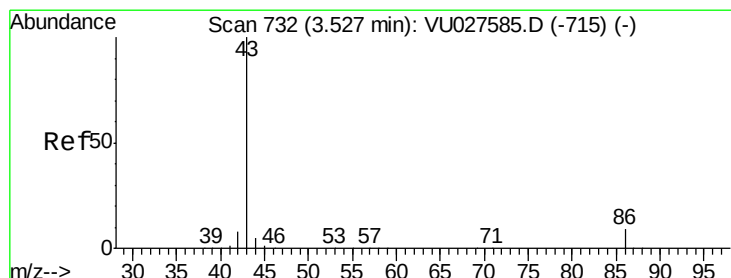
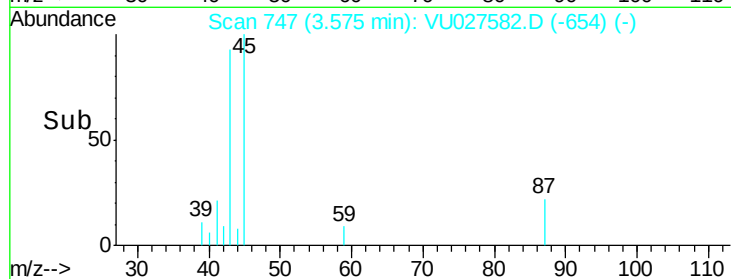
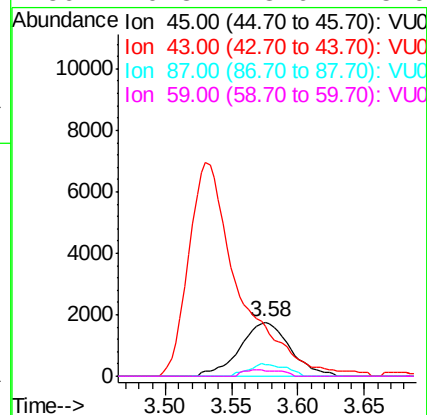
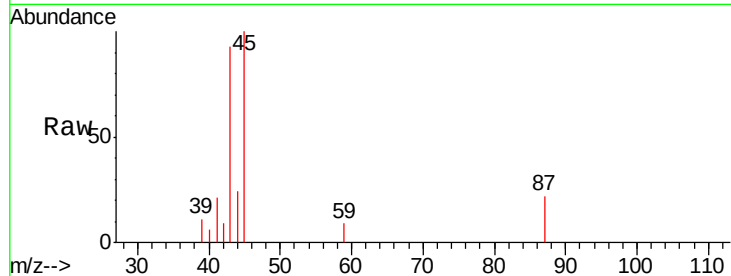
#22
Diisopropyl ether
Concen: 0.82 ug/l
RT: 3.58 min Scan# 747
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	83.7	43.4	65.2#
87	22.1	17.5	26.3
59	9.3	8.6	13.0

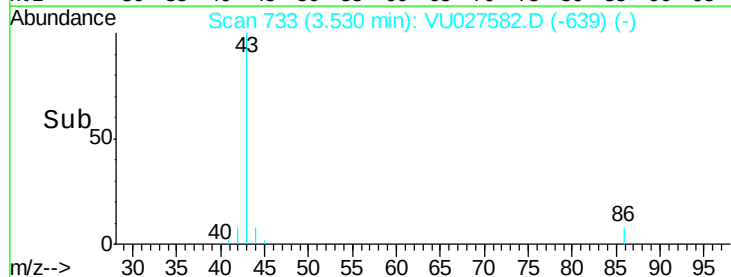
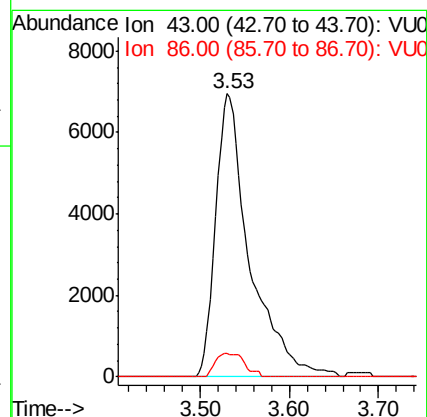
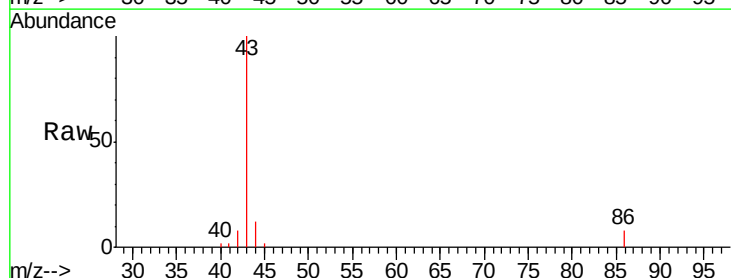
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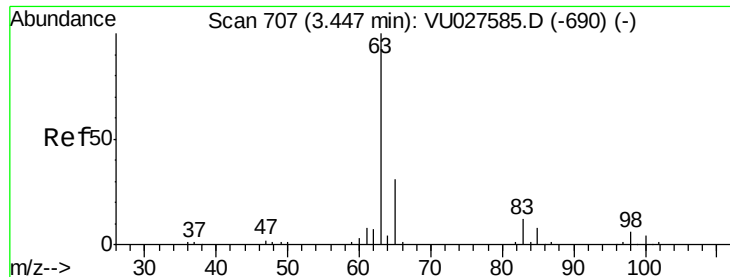
MMDadoda
10/16/2018 2:22:48 PM



#23
Vinyl Acetate
Concen: 3.75 ug/l
RT: 3.53 min Scan# 733
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.0	10.4





#24

1,1-Dichloroethane

Concen: 0.93 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

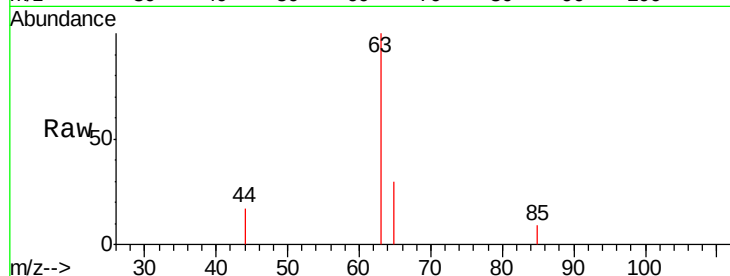
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	2684
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.0	9.2#
100	0.0	1.8	5.5#

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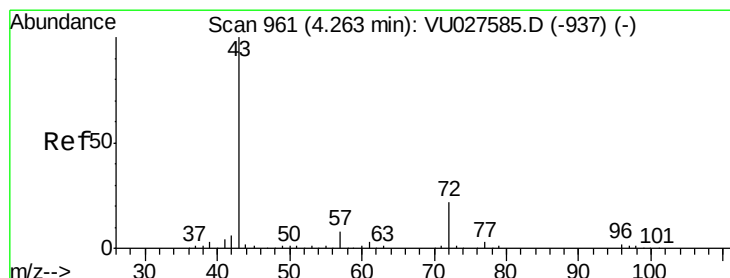
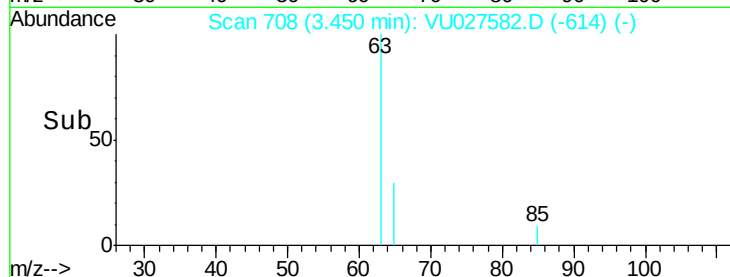


Abundance Ion 62.90 (62.60 to 63.60): VU027582.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027582.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027582.D (-614) (-)

Time-->



#25

2-Butanone

Concen: 4.25 ug/l

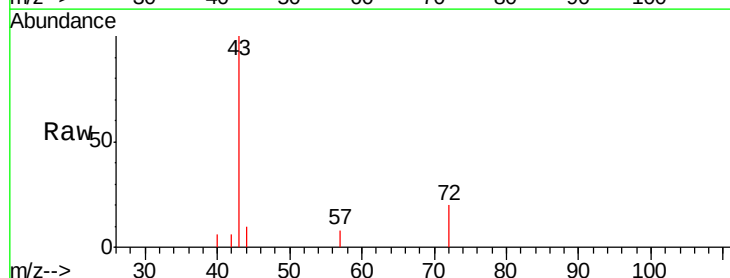
RT: 4.28 min Scan# 965

Delta R.T. 0.01 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

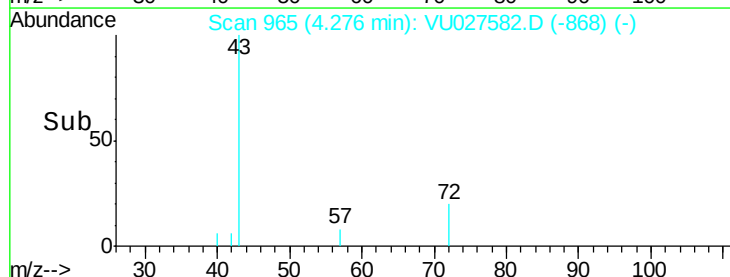
Tgt Ion:	43	Resp:	6314
Ion	Ratio	Lower	Upper
43	100		
72	20.4	17.8	26.6

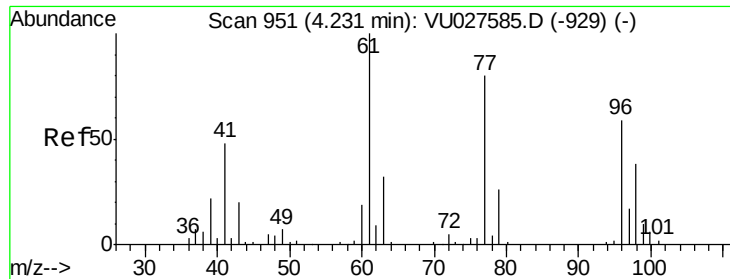


Abundance Ion 43.00 (42.70 to 43.70): VU027582.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU027582.D (-868) (-)

Time-->





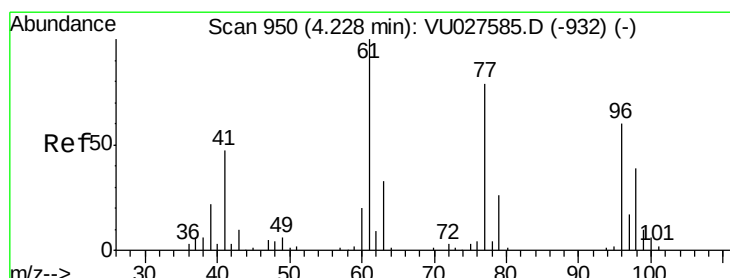
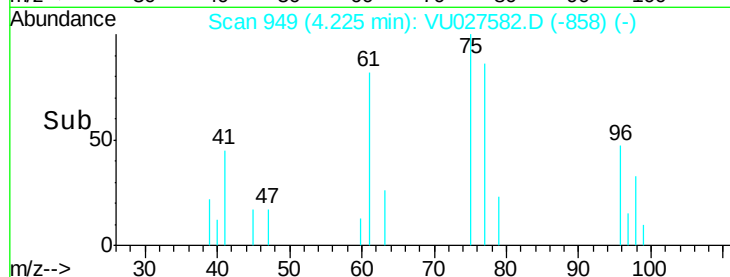
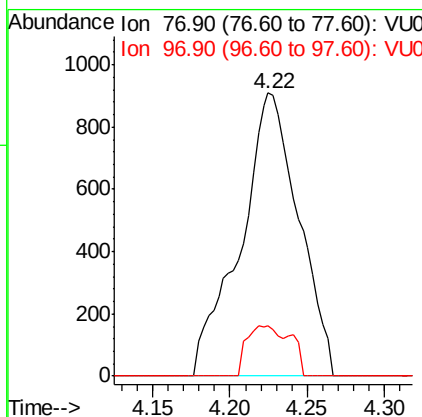
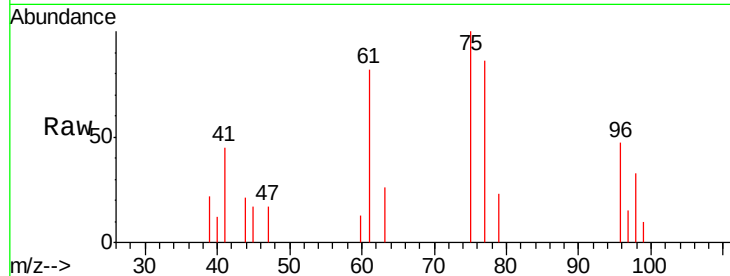
#26
 2,2-Dichloropropane
 Concen: 1.00 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 77 Resp: 2391
 Ion Ratio Lower Upper
 77 100
 97 10.2 10.4 31.1#

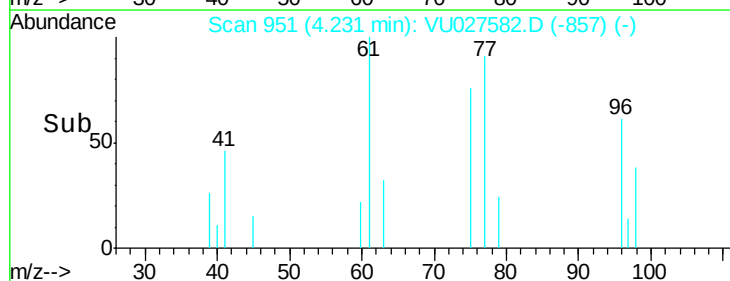
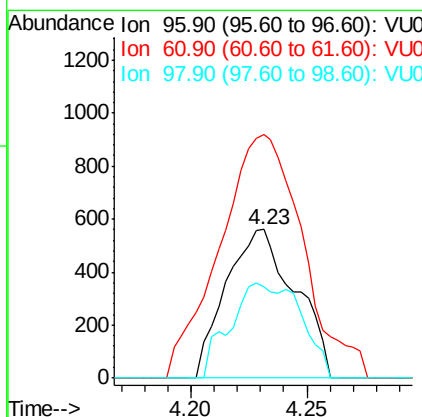
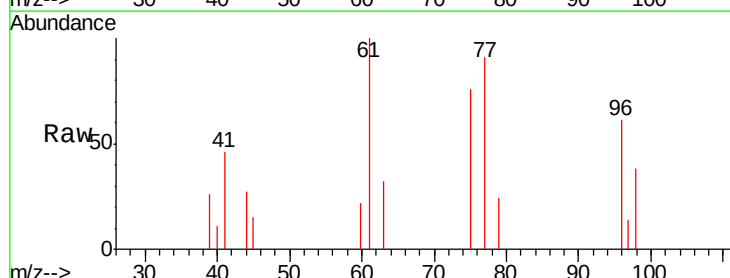
Manual Integrations
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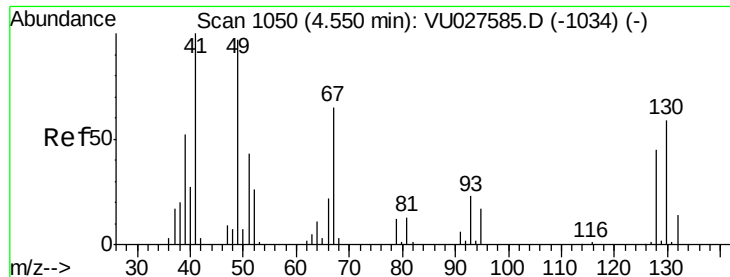
MMDadoda
 10/16/2018 2:22:48 PM



#27
 cis-1,2-Dichloroethene
 Concen: 0.78 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion: 96 Resp: 1165
 Ion Ratio Lower Upper
 96 100
 61 196.4 0.0 343.8
 98 65.4 0.0 129.0





#28

Bromochloromethane

Concen: 0.98 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

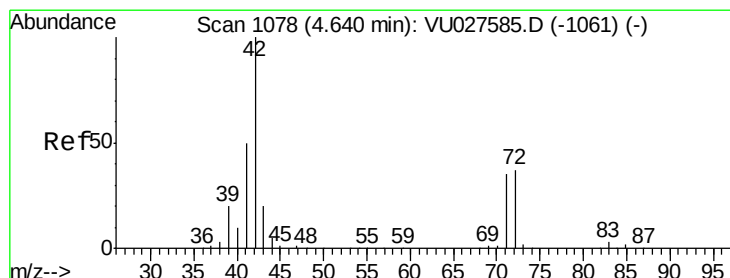
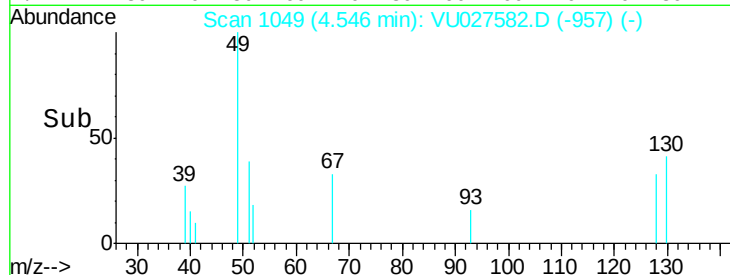
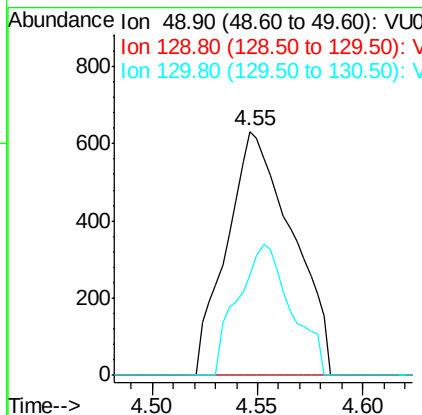
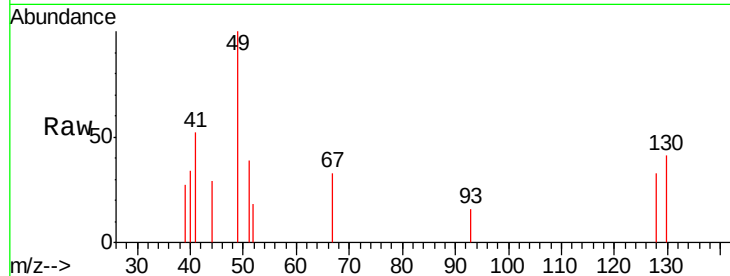
VSTDIC001

Tgt Ion: 49 Resp: 1364

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	43.7	46.1	69.1#

Manual Integrations
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#29

Tetrahydrofuran

Concen: 3.98 ug/l

RT: 4.65 min Scan# 1081

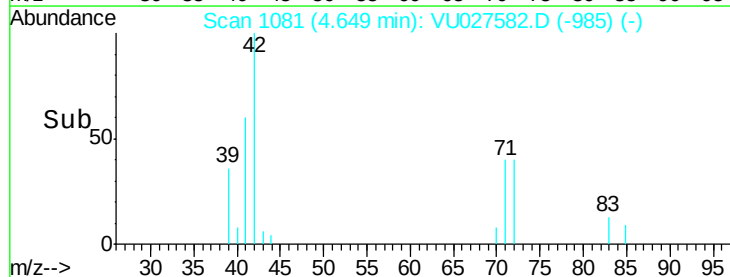
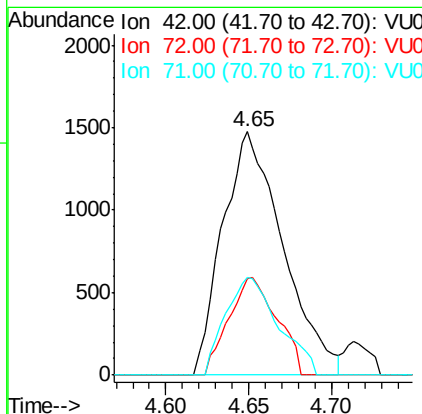
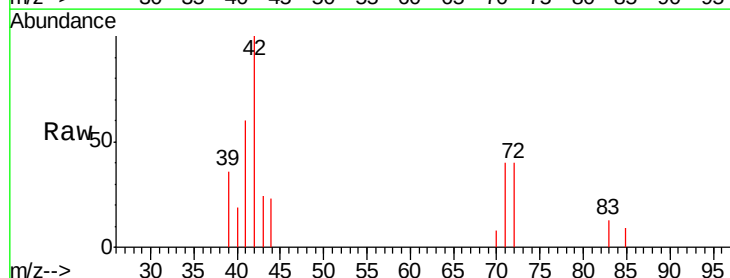
Delta R.T. 0.01 min

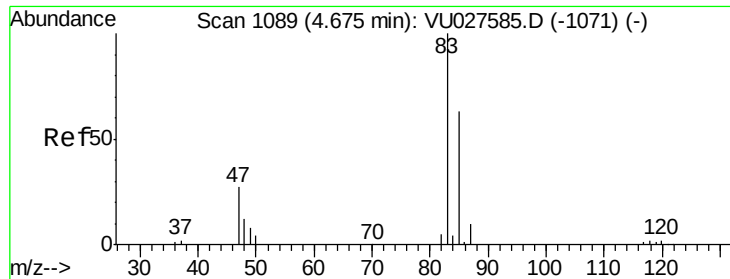
Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion: 42 Resp: 3732

Ion	Ratio	Lower	Upper
42	100		
72	31.8	30.1	45.1
71	35.2	27.7	41.5





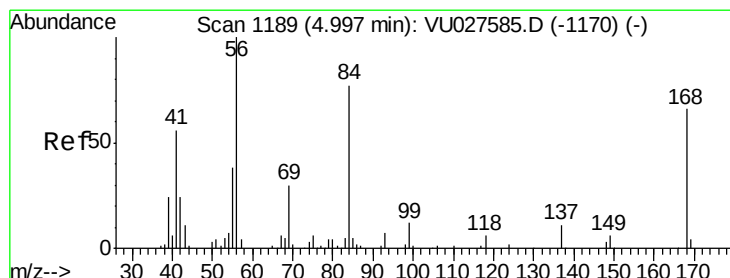
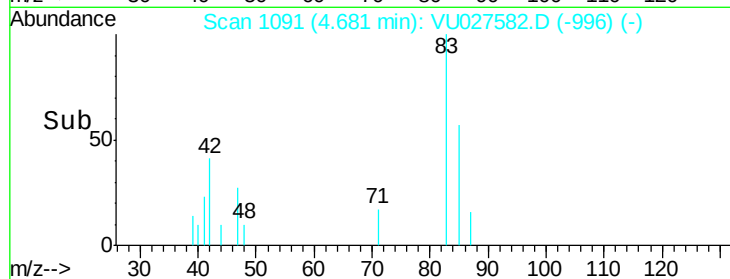
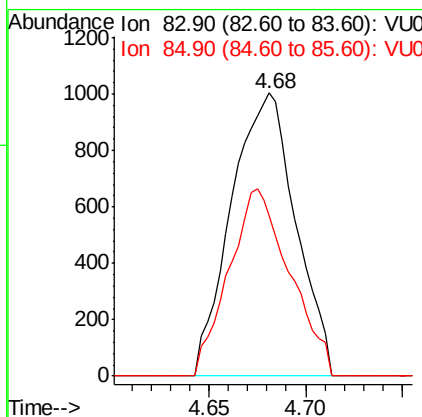
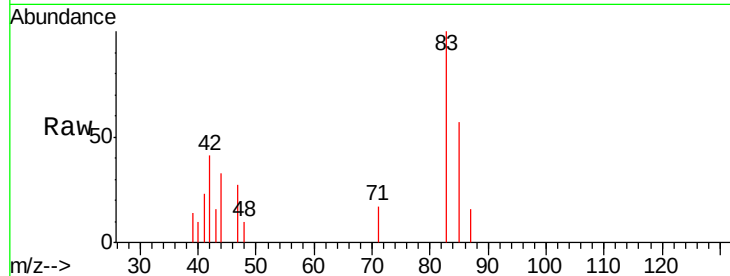
#30
Chloroform
Concen: 0.90 ug/l
RT: 4.68 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 2322
Ion Ratio Lower Upper
83 100
85 56.8 51.8 77.6

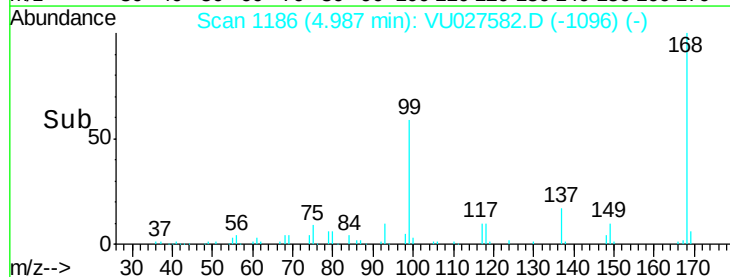
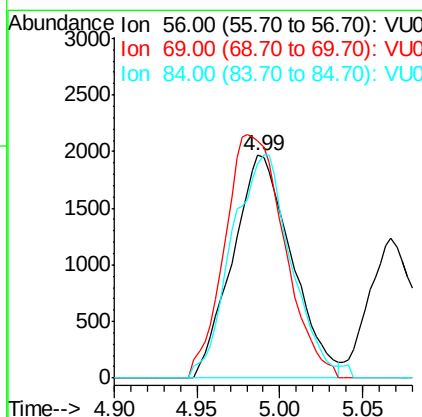
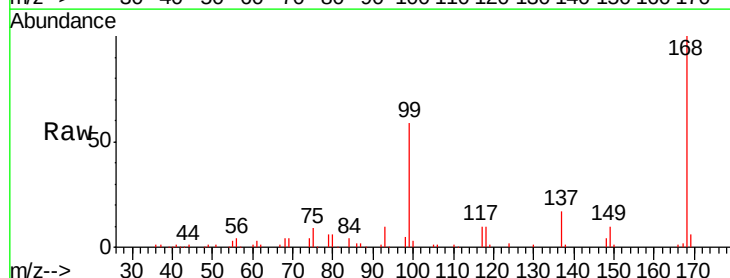
Manual Integrations
APPROVED

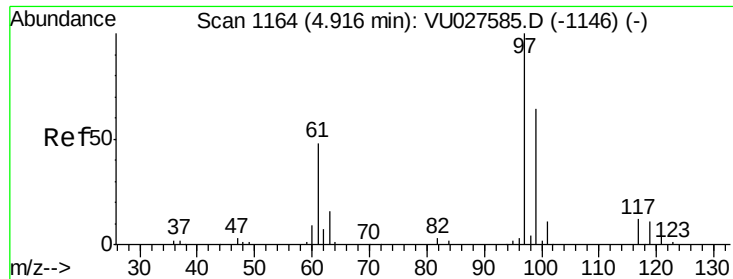
MMDadoda
10/16/2018 2:22:48 PM



#31
Cyclohexane
Concen: 1.44 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 56 Resp: 4887
Ion Ratio Lower Upper
56 100
69 106.4 24.1 36.1#
84 96.4 59.1 88.7#





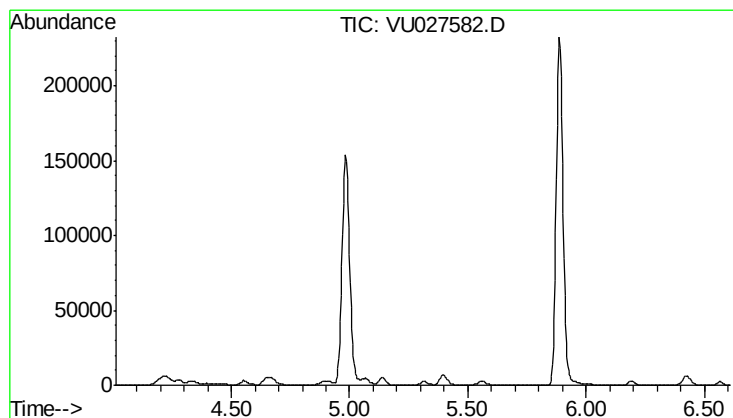
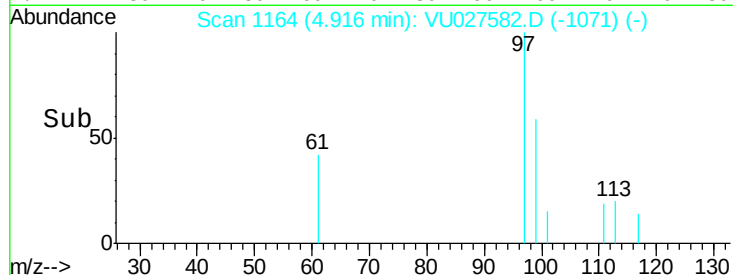
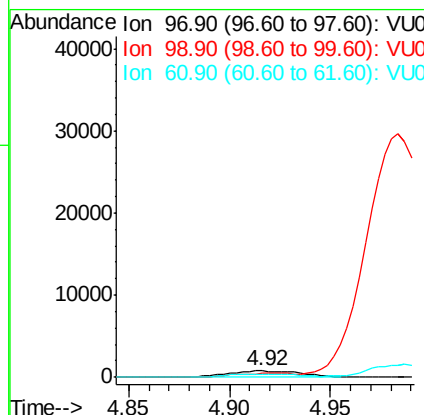
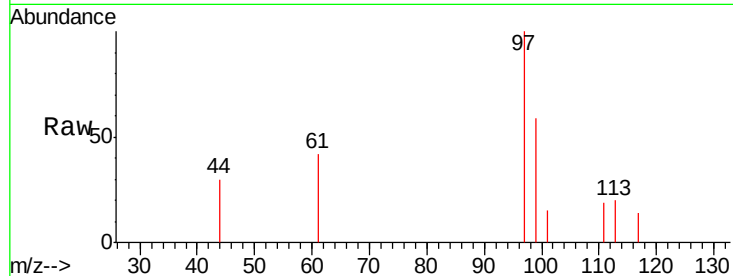
#32
 1,1,1-Trichloroethane
 Concen: 0.90 ug/l
 RT: 4.92 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	97	Resp:	1946
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	27.4	39.6	59.4#

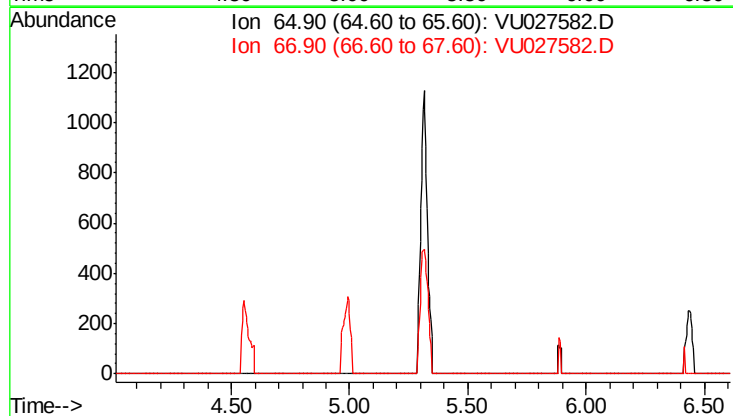
Manual Integrations
 APPROVED

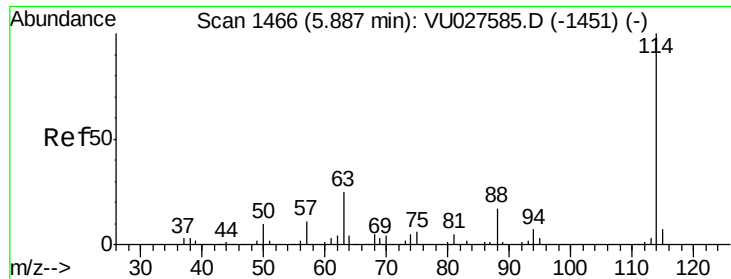
MMDadoda
 10/16/2018 2:22:48 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.00 ug/l
 Expected RT: 5.31 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion:	65
Sig	Exp Ratio
65	100
67	53.9





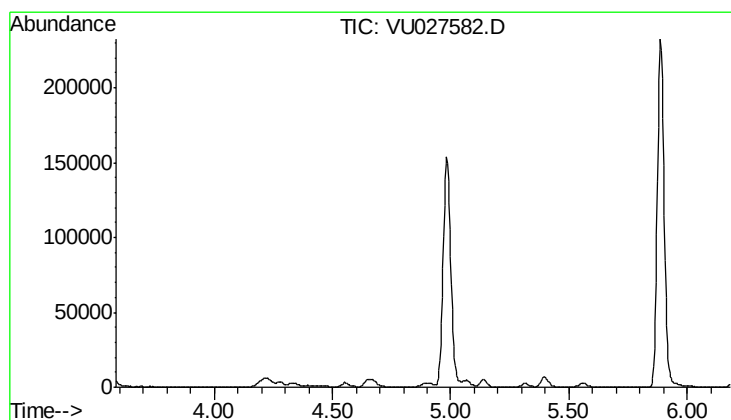
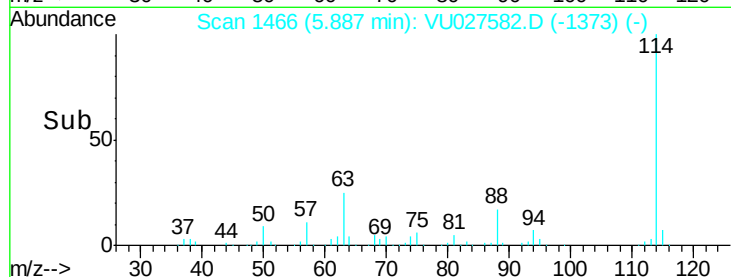
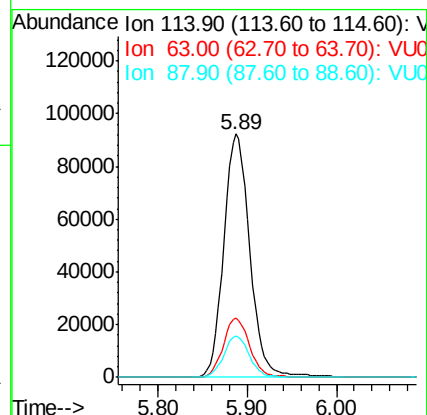
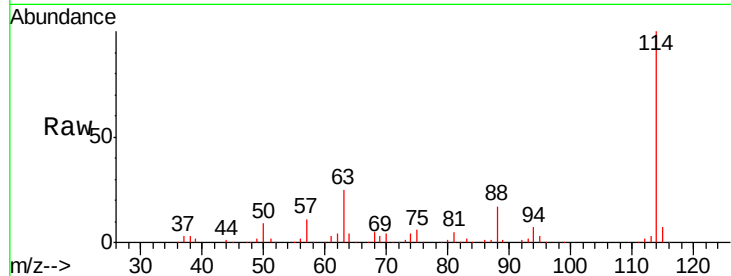
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	24.5	0.0	50.2
88	17.0	0.0	33.8

Manual Integrations
 APPROVED

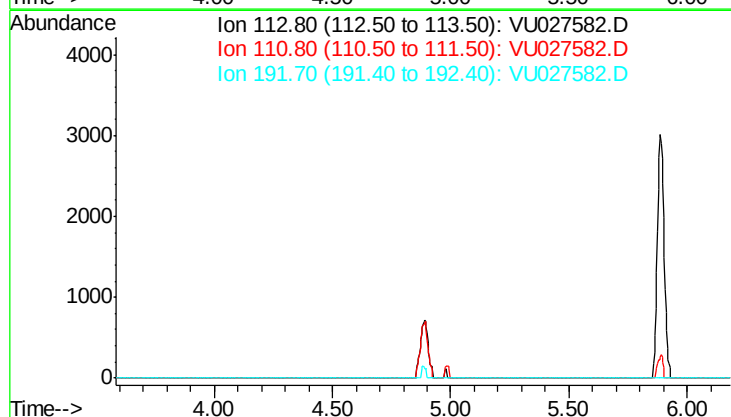
MMDadoda
 10/16/2018 2:22:48 PM

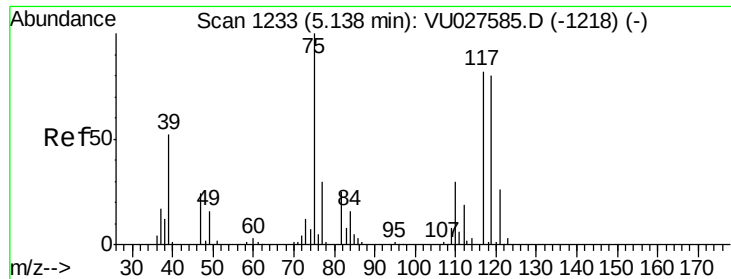


#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 4.88 min

Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Exp Ratio
113	100
111	103.9
192	19.2





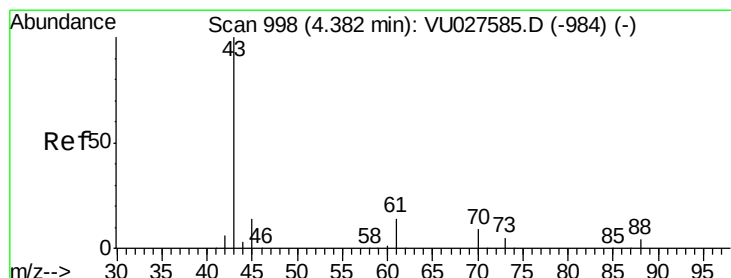
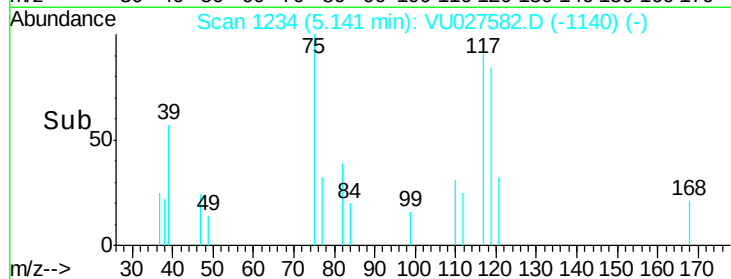
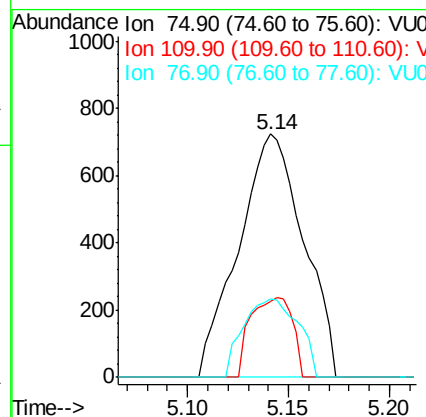
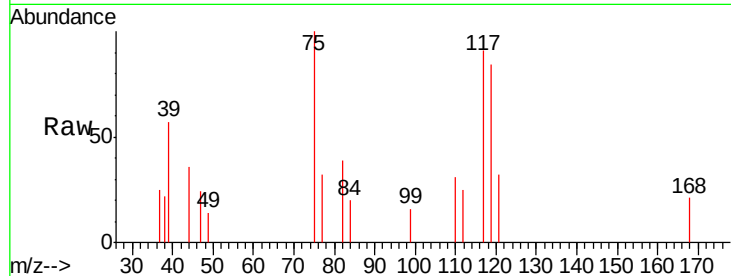
#36
 1,1-Dichloropropene
 Concen: 0.80 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	21.3	15.5	46.5
77	27.3	25.4	38.0

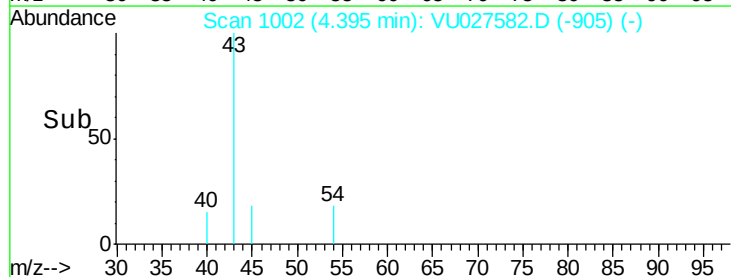
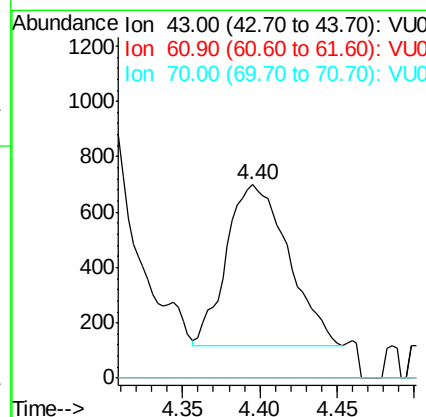
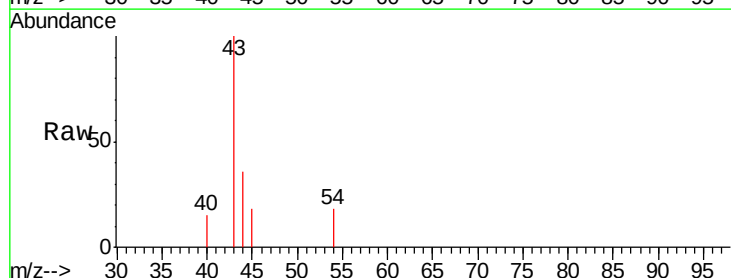
Manual Integrations
 APPROVED

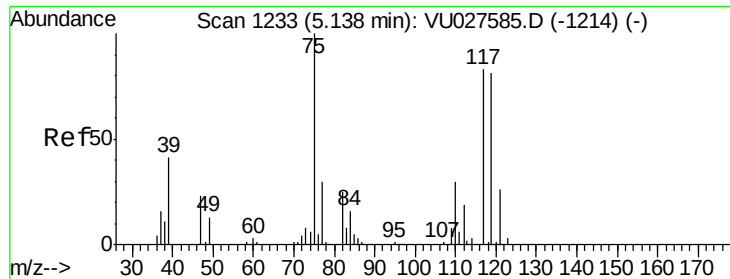
MMDadoda
 10/16/2018 2:22:48 PM



#37
 Ethyl Acetate
 Concen: 0.61 ug/l
 RT: 4.40 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.4	11.2#





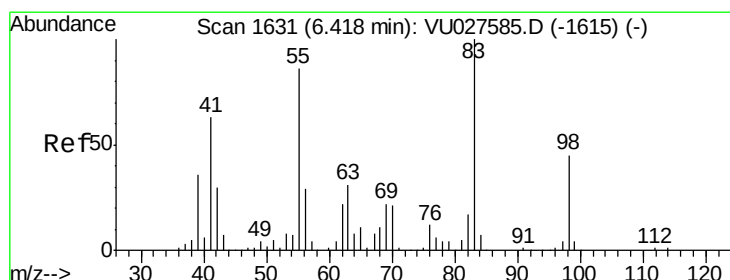
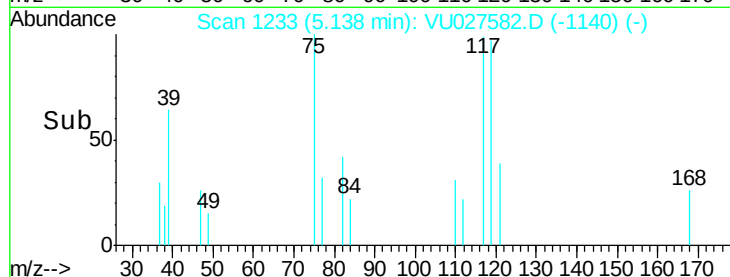
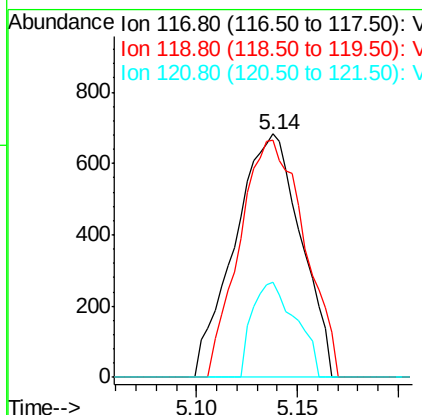
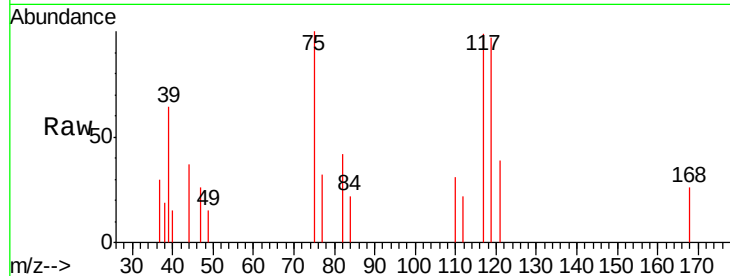
#38
Carbon Tetrachloride
Concen: 0.85 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 117 Resp: 1556
Ion Ratio Lower Upper
117 100
119 97.7 74.5 111.7
121 39.1 24.6 37.0#

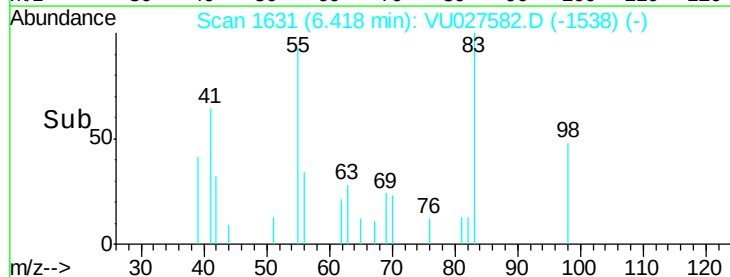
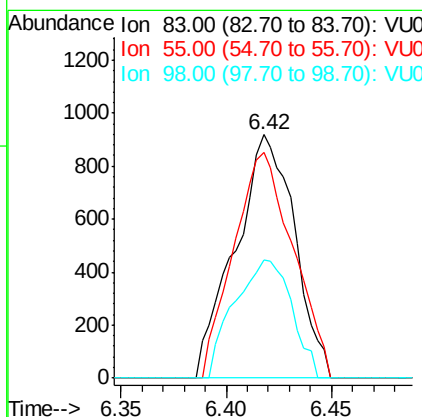
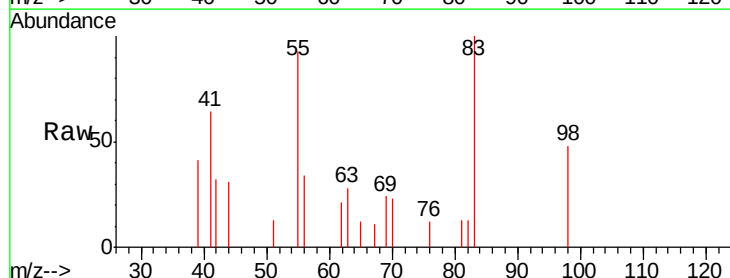
Manual Integrations
APPROVED

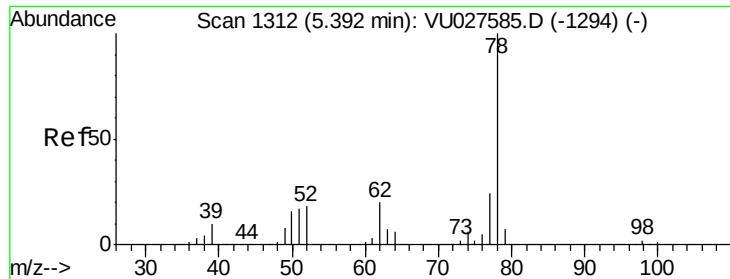
MMDadoda
10/16/2018 2:22:48 PM



#39
Methylcyclohexane
Concen: 0.76 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 83 Resp: 1800
Ion Ratio Lower Upper
83 100
55 92.7 71.1 106.7
98 48.3 36.3 54.5





#40

Benzene

Concen: 0.92 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 5458

Ion Ratio Lower Upper

78 100

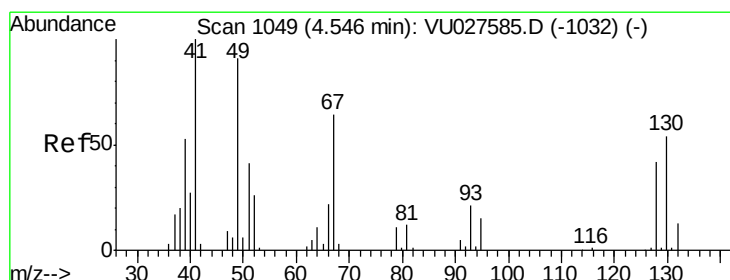
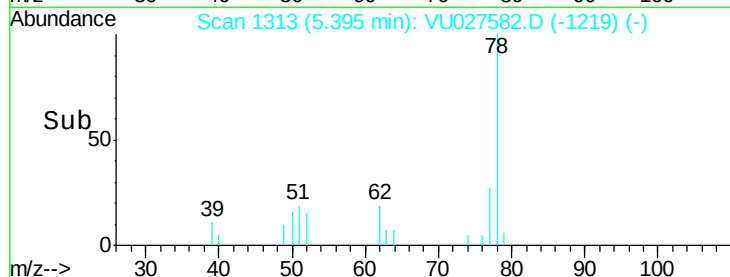
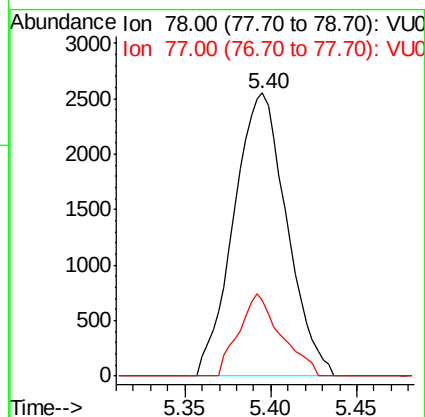
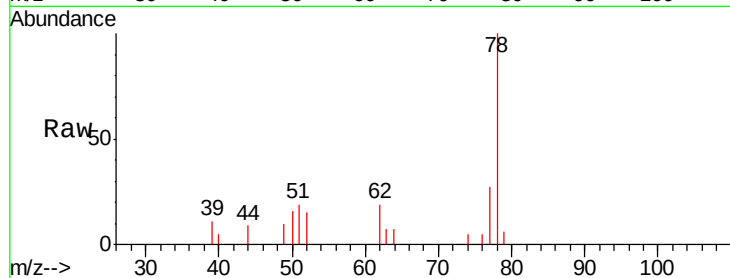
77 26.7 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:48 PM



#41

Methacrylonitrile

Concen: 0.65 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion: 41 Resp: 962

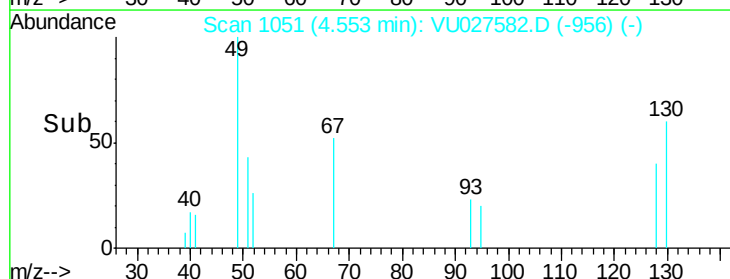
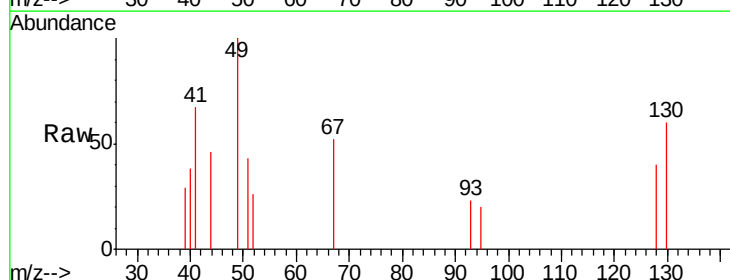
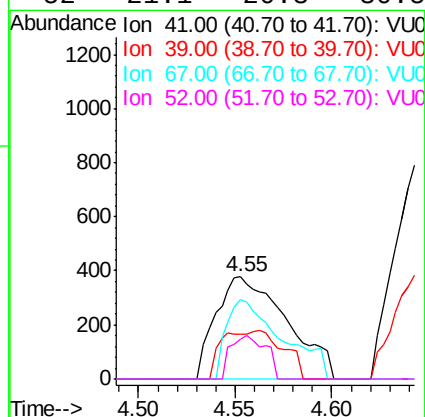
Ion Ratio Lower Upper

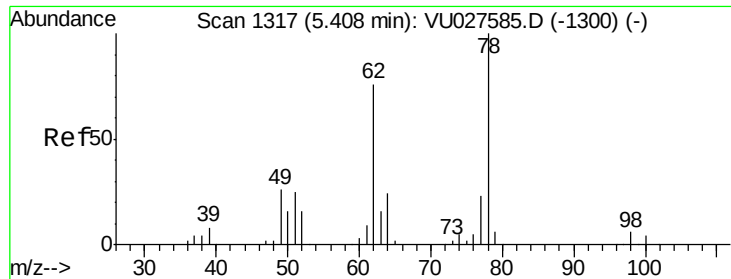
41 100

39 40.6 41.1 61.7#

67 61.2 50.4 75.6

52 21.1 20.3 30.5





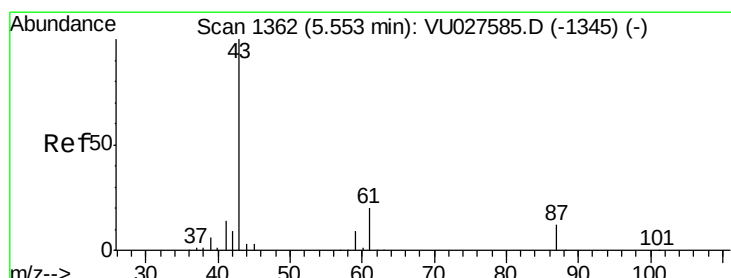
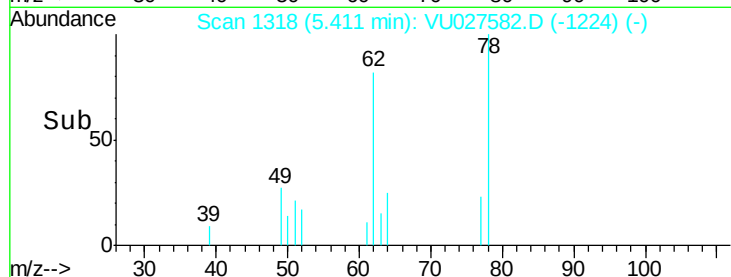
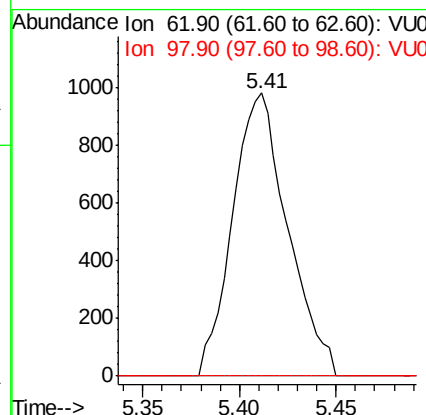
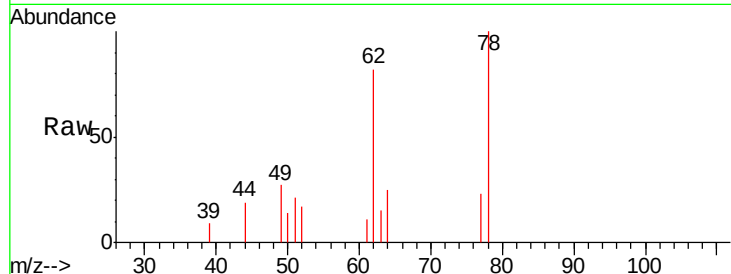
#42
 1,2-Dichloroethane
 Concen: 0.88 ug/l
 RT: 5.41 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1940		
98	0.0	0.0	0.0	16.8

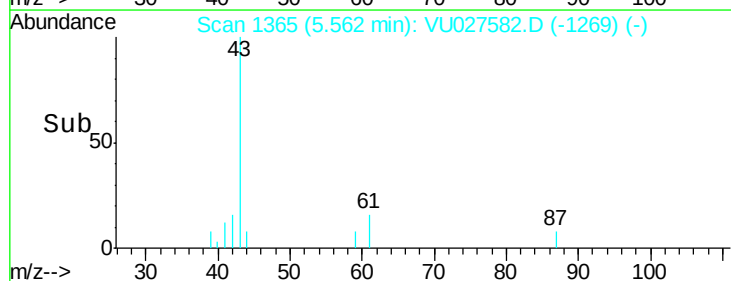
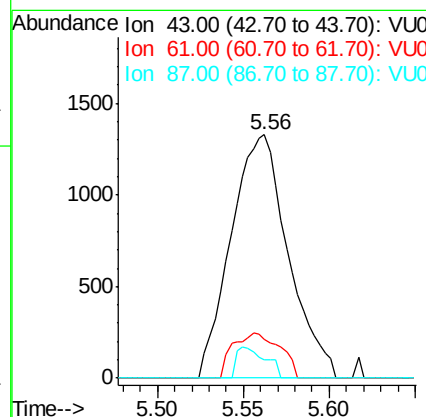
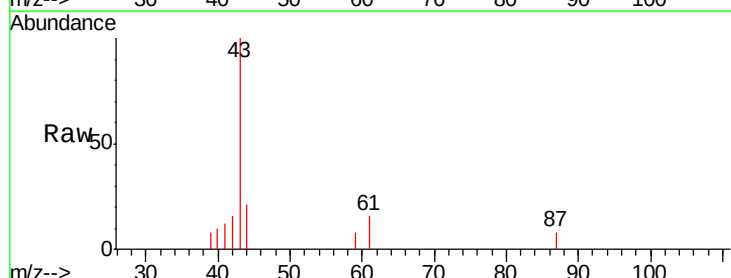
Manual Integrations
 APPROVED

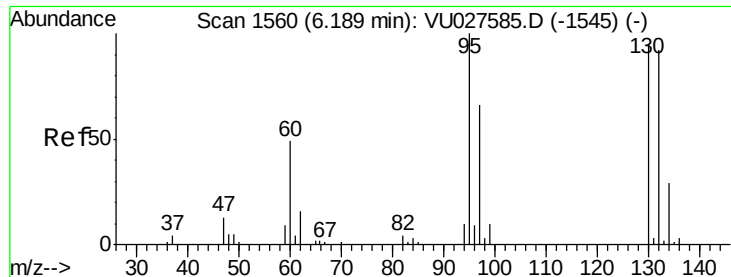
MMDadoda
 10/16/2018 2:22:48 PM



#43
 Isopropyl Acetate
 Concen: 0.75 ug/l
 RT: 5.56 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	3073		
61	15.2	15.3	22.9#	
87	6.5	8.6	13.0#	





#44

Trichloroethene

Concen: 0.83 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 1103

Ion Ratio Lower Upper

130 100

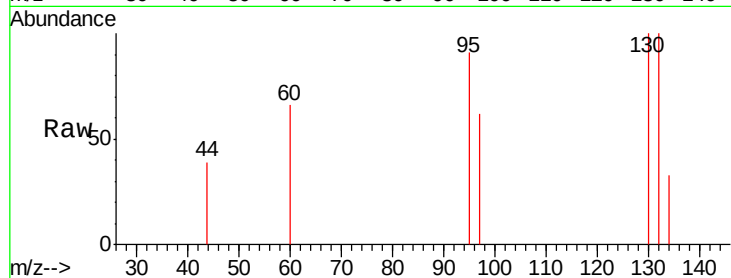
95 90.9 0.0 207.0

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): VU027585.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027585.D (-1545) (-)

6.19

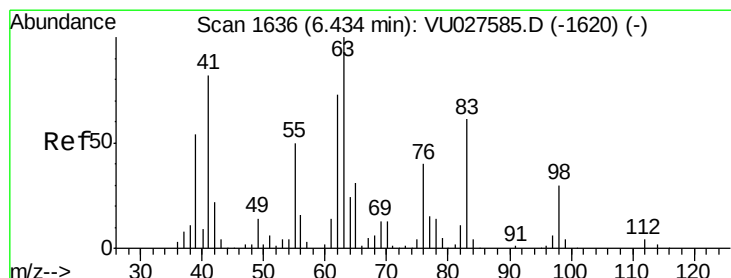
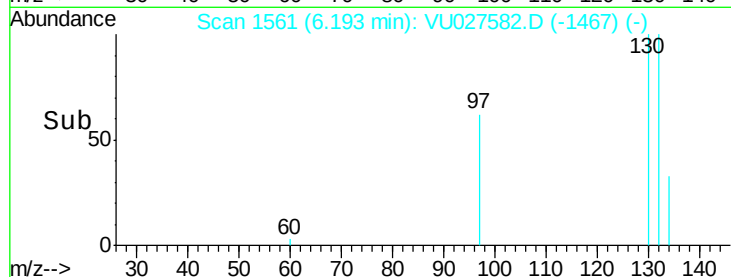
600

400

200

0

Time-->



#45

1,2-Dichloropropane

Concen: 0.83 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU027582.D

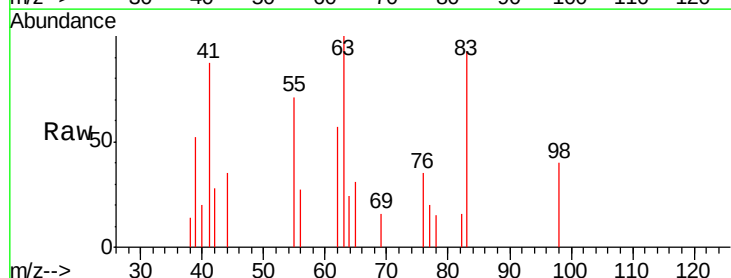
Acq: 11 Oct 2018 08:22

Tgt Ion: 63 Resp: 1428

Ion Ratio Lower Upper

63 100

65 31.1 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU027585.D (-1620) (-)

Ion 64.90 (64.60 to 65.60): VU027585.D (-1620) (-)

6.43

800

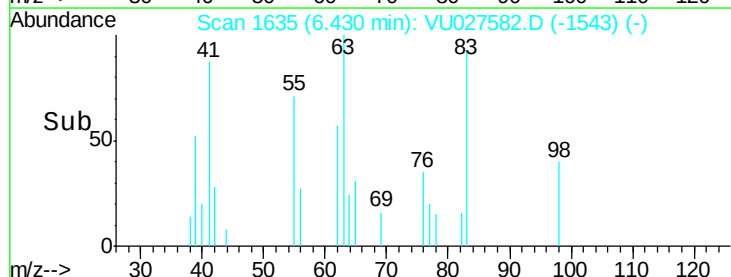
600

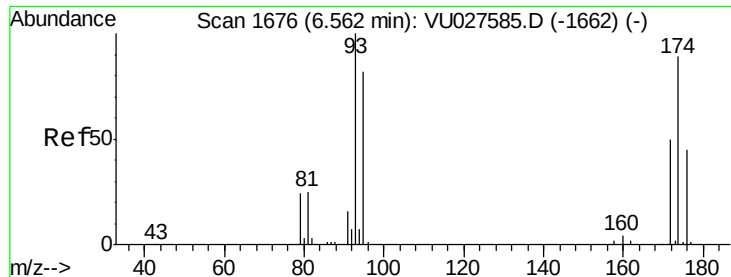
400

200

0

Time-->





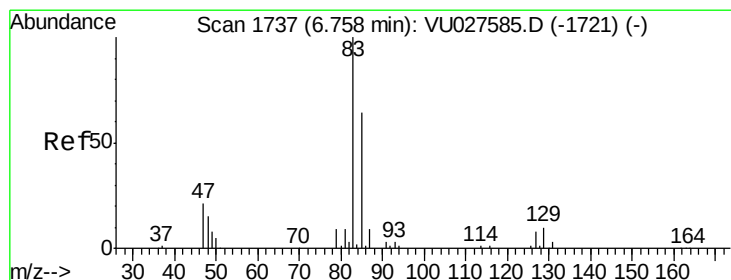
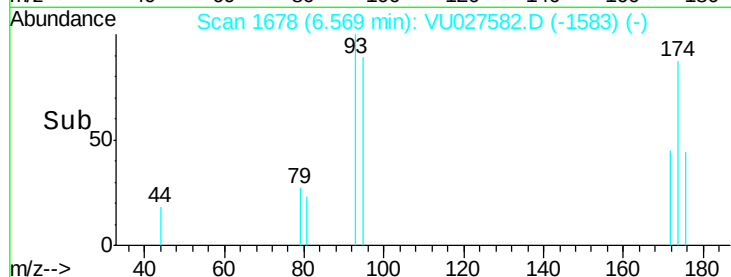
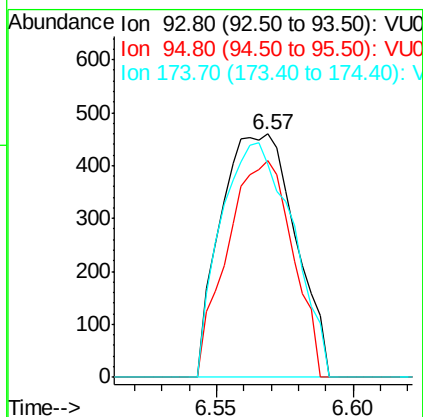
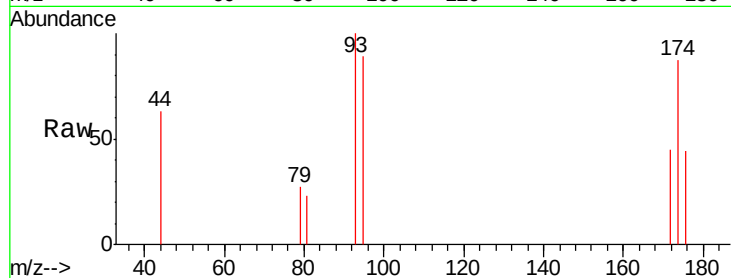
#46
Dibromomethane
Concen: 0.90 ug/l
RT: 6.57 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 93 Resp: 870
Ion Ratio Lower Upper
93 100
95 78.3 66.5 99.7
174 93.3 72.5 108.7

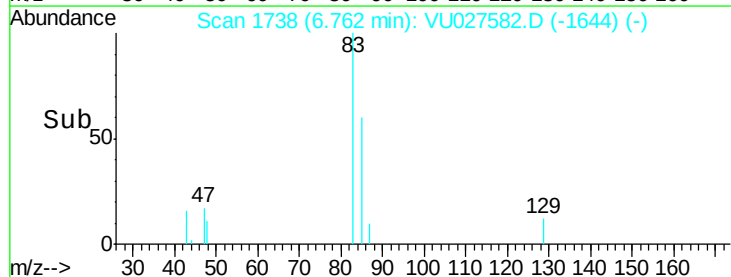
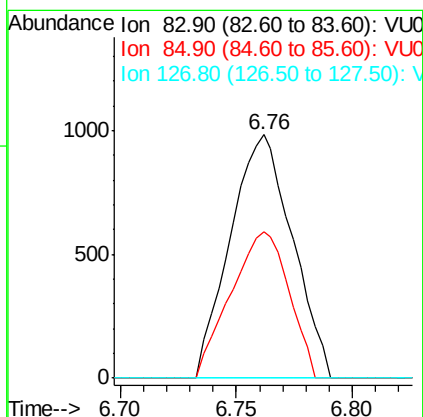
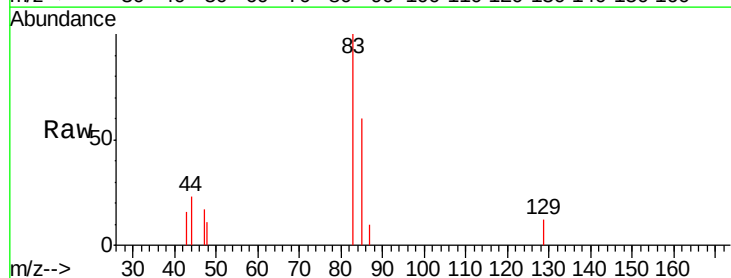
Manual Integrations
APPROVED

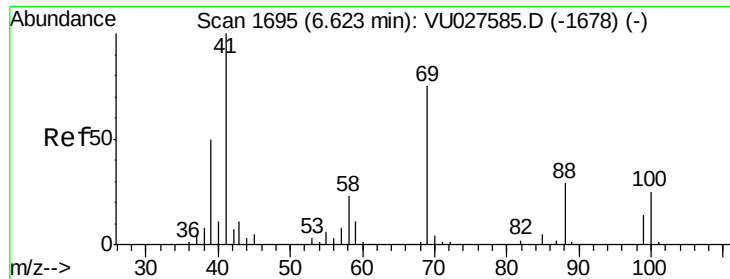
MMDadoda
10/16/2018 2:22:48 PM



#47
Bromodichloromethane
Concen: 0.91 ug/l
RT: 6.76 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 83 Resp: 1826
Ion Ratio Lower Upper
83 100
85 60.1 51.4 77.0
127 0.0 6.3 9.5#





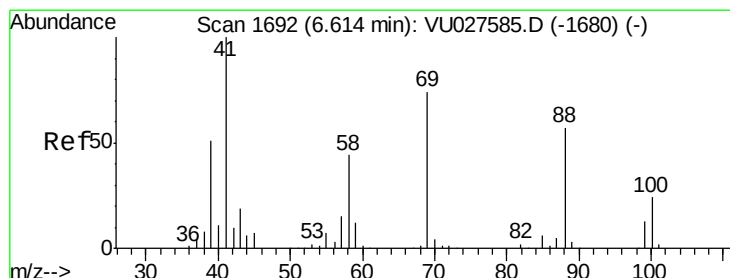
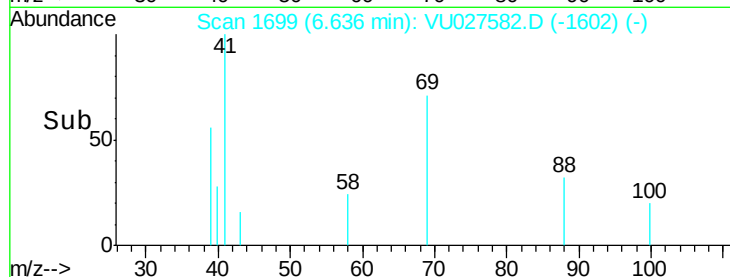
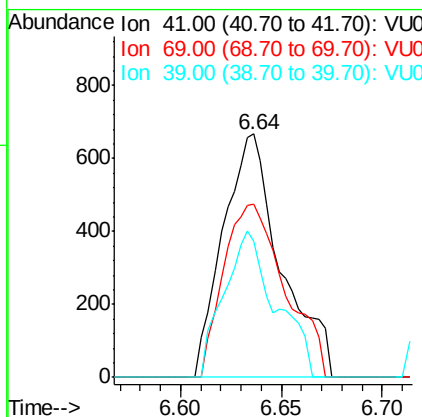
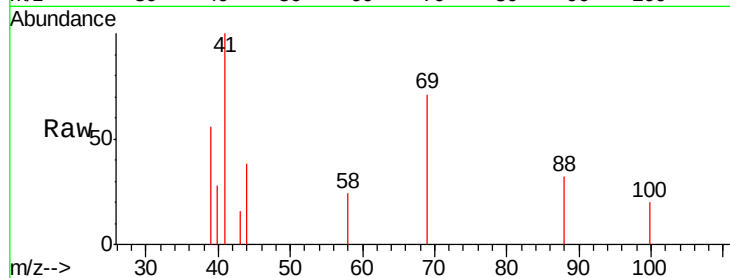
#48
Methyl methacrylate
Concen: 0.65 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.5	61.0	91.4
39	53.6	39.9	59.9

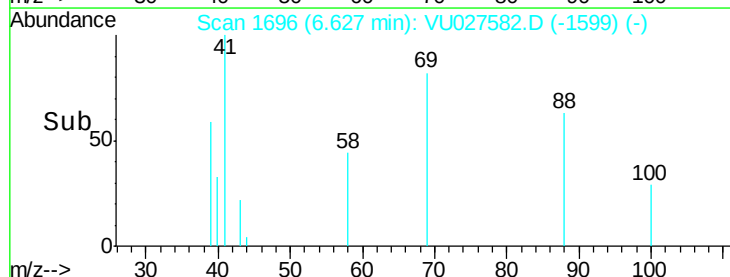
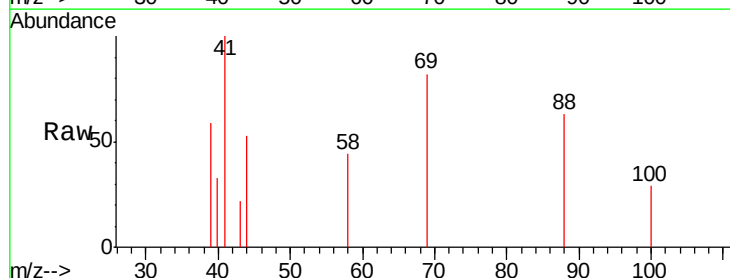
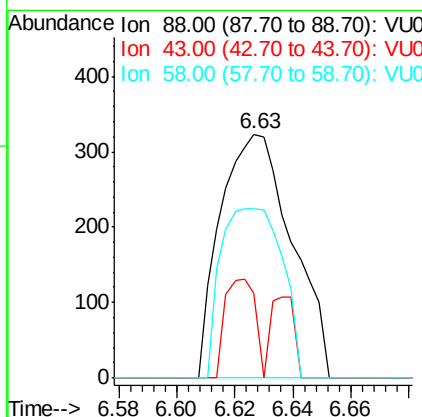
Manual Integrations
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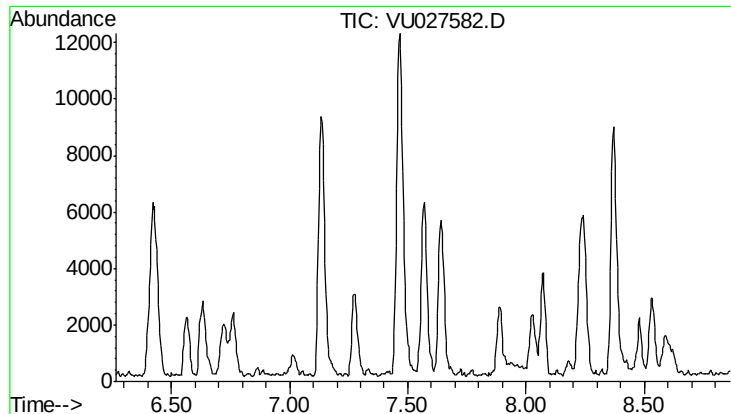
MMDadoda
10/16/2018 2:22:48 PM



#49
1,4-Dioxane
Concen: 15.81 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
88	100		
43	16.8	30.8	46.2#
58	59.7	67.0	100.6#





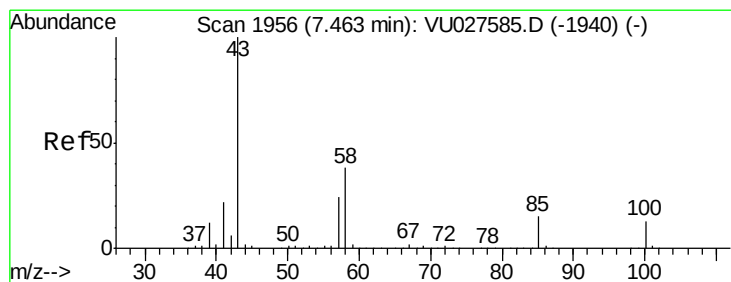
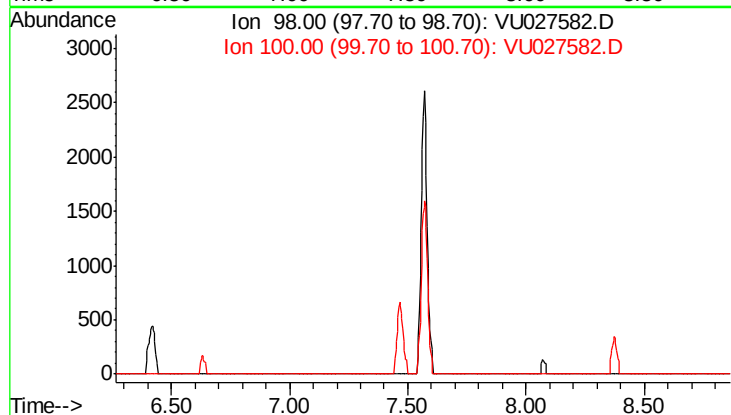
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 7.57 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 98
Sig Exp Ratio
98 100
100 65.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

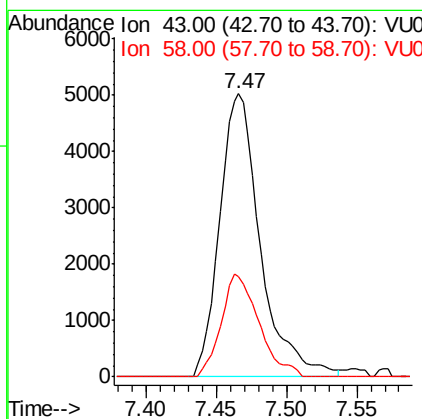
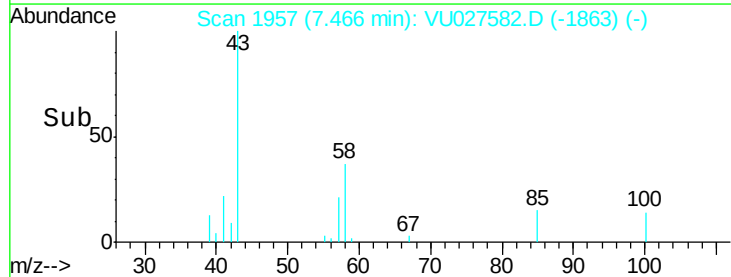
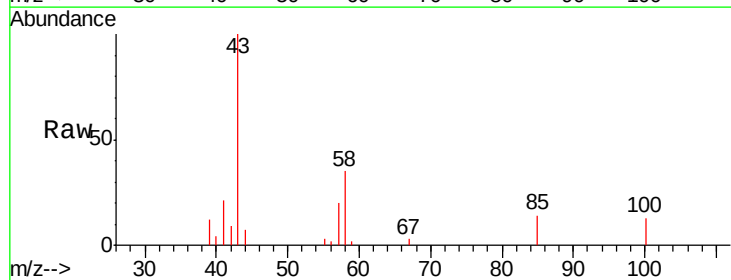
Manual Integrations
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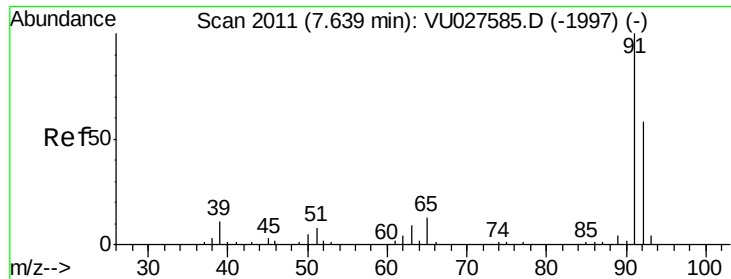
MMDadoda
10/16/2018 2:22:48 PM



#51
4-Methyl-2-Pentanone
Concen: 3.81 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 43 Resp: 10110
Ion Ratio Lower Upper
43 100
58 33.6 29.8 44.8





#52

Toluene

Concen: 0.74 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 2591

Ion Ratio Lower Upper

92 100

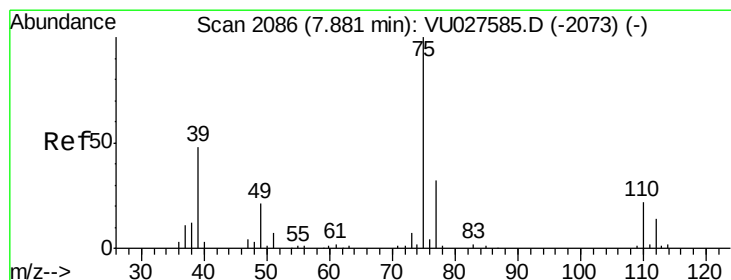
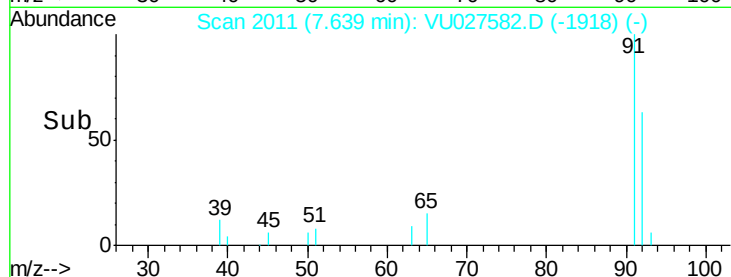
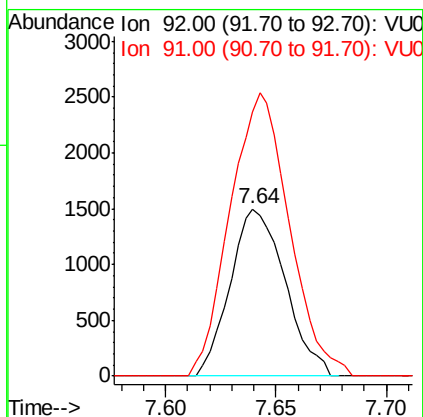
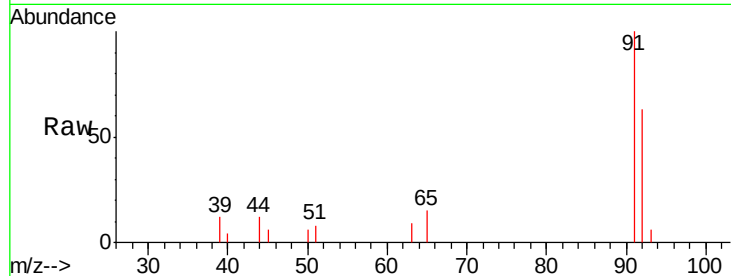
91 182.5 138.6 208.0

Manual Integrations

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MMDadoda

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#53

t-1,3-Dichloropropene

Concen: 0.69 ug/l

RT: 7.89 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VU027582.D

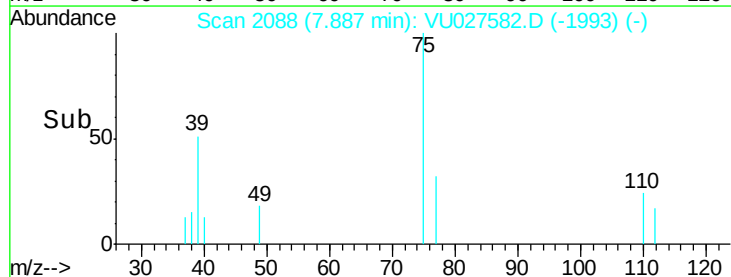
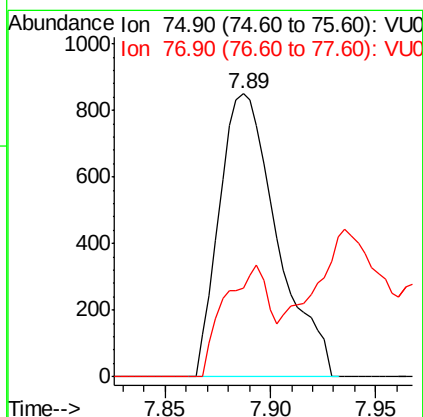
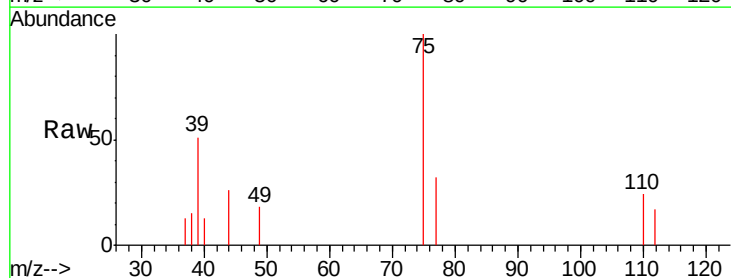
Acq: 11 Oct 2018 08:22

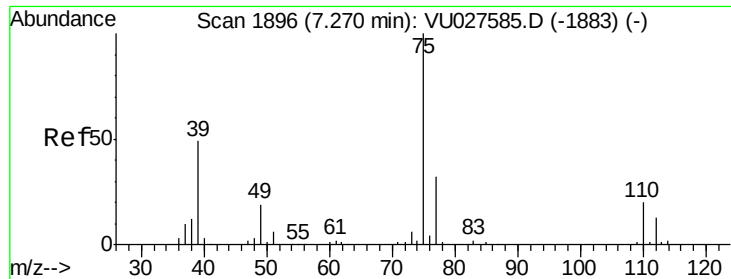
Tgt Ion: 75 Resp: 1616

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6





#54

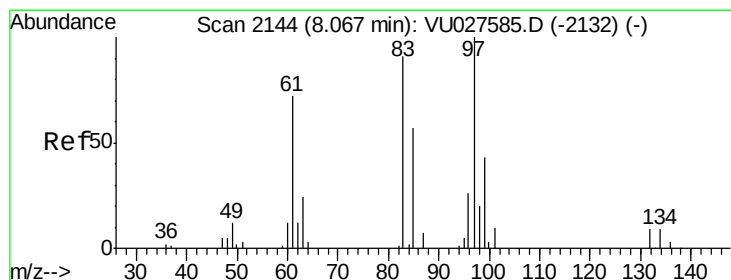
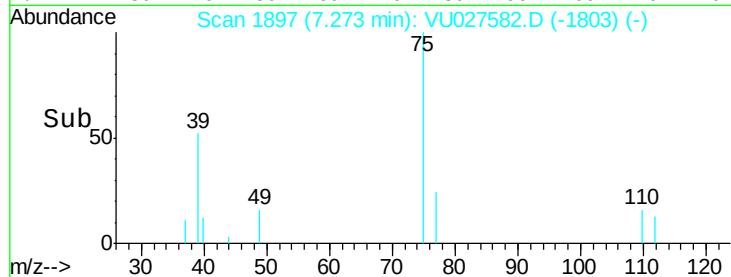
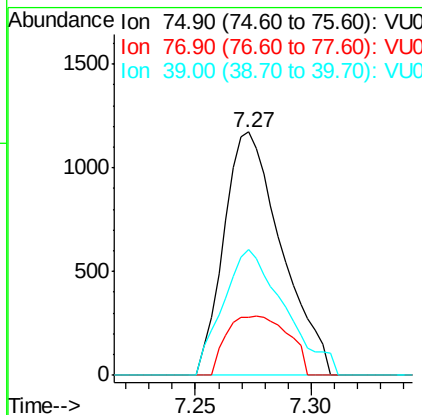
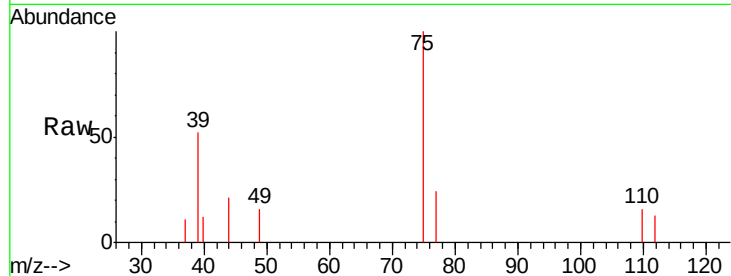
cis-1,3-Dichloropropene
Concen: 0.80 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
77	24.0	24.5	36.7#
39	51.8	40.1	60.1

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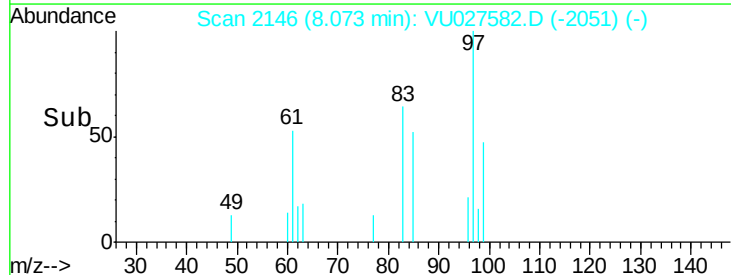
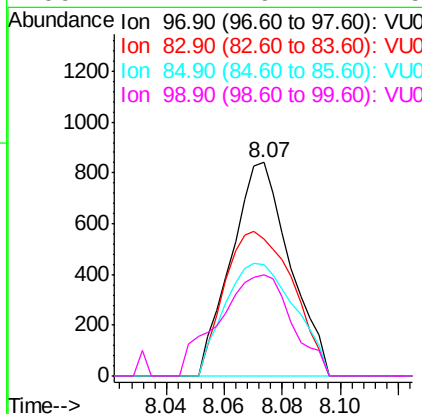
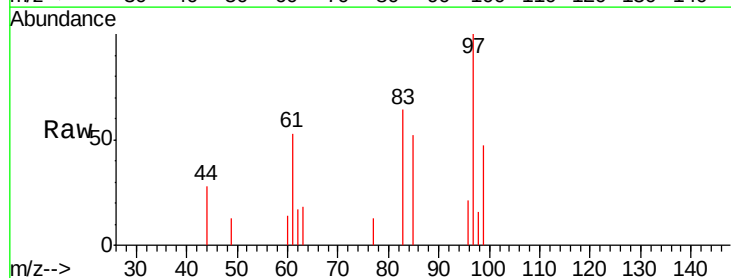
MMDadoda
10/16/2018 2:22:48 PM

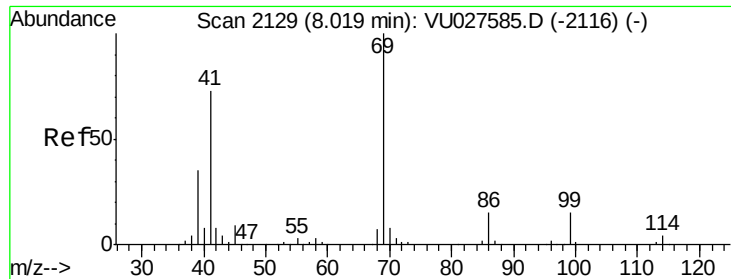


#55

1,1,2-Trichloroethane
Concen: 0.85 ug/l
RT: 8.07 min Scan# 2146
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	64.2	73.0	109.6#
85	52.0	47.3	70.9
99	47.2	49.7	74.5#





#56

Ethyl methacrylate

Concen: 0.63 ug/l

RT: 8.03 min Scan# 2131

Delta R.T. 0.01 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

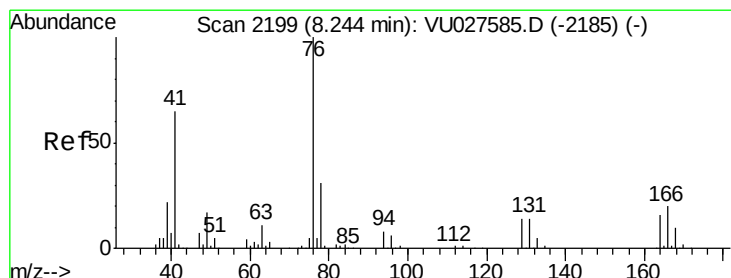
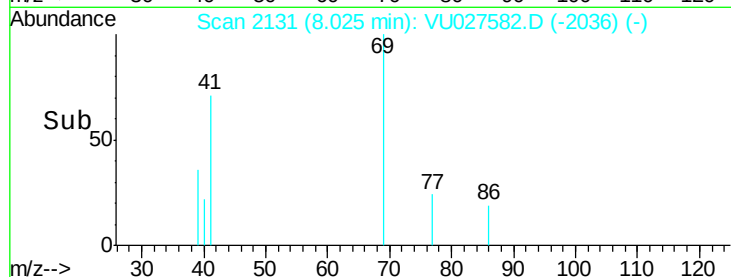
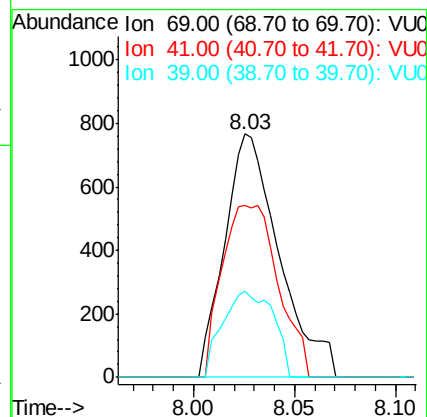
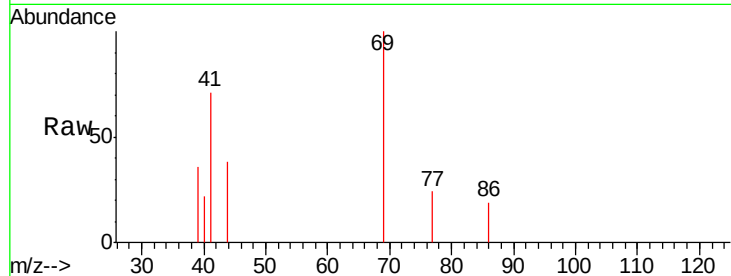
ClientSampleId :

VSTDICC001

Tgt Ion:	69	Resp:	1447
Ion Ratio	Lower	Upper	
69	100		
41	72.6	60.0	90.0
39	32.8	29.5	44.3

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.86 ug/l

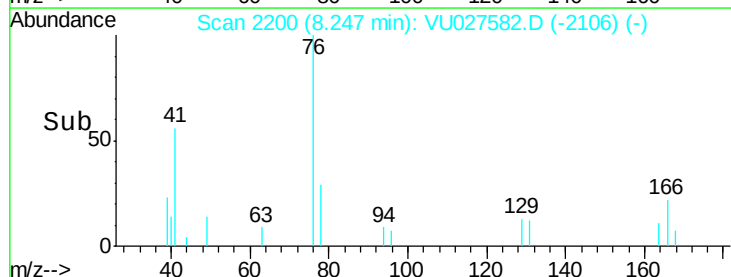
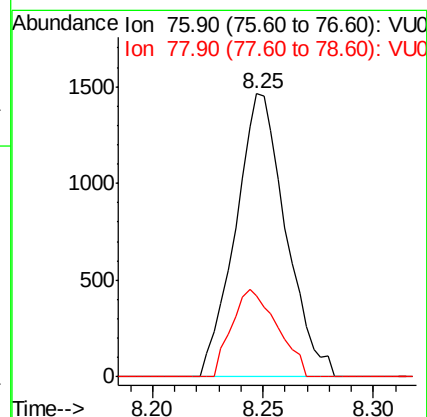
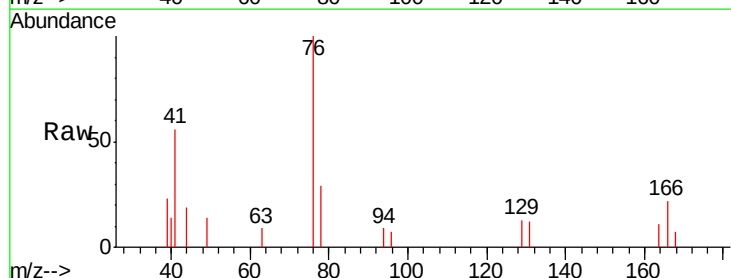
RT: 8.25 min Scan# 2200

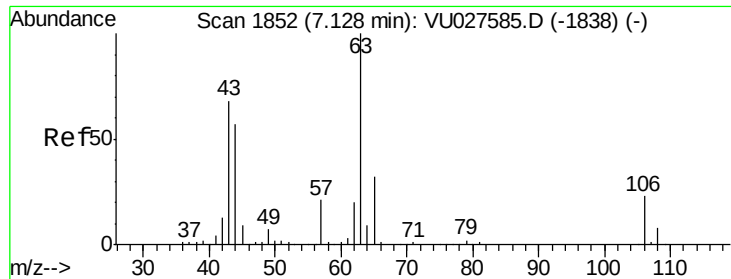
Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion:	76	Resp:	2311
Ion Ratio	Lower	Upper	
76	100		
78	28.1	25.8	38.6





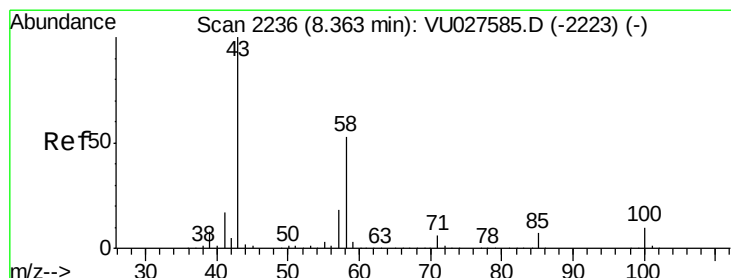
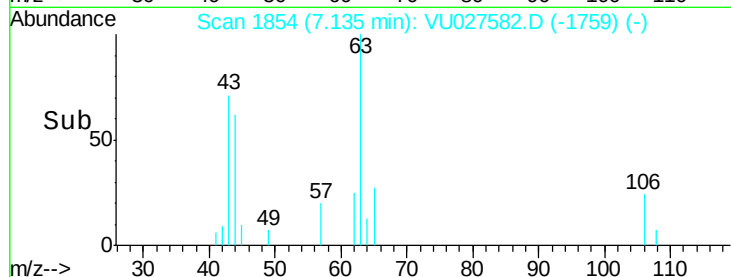
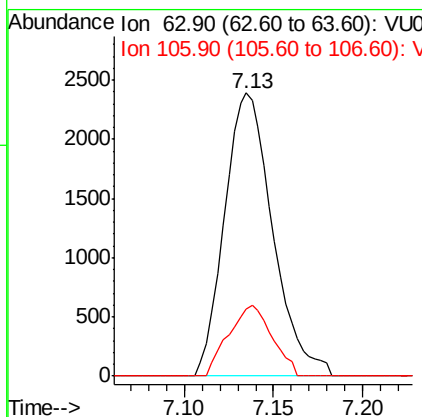
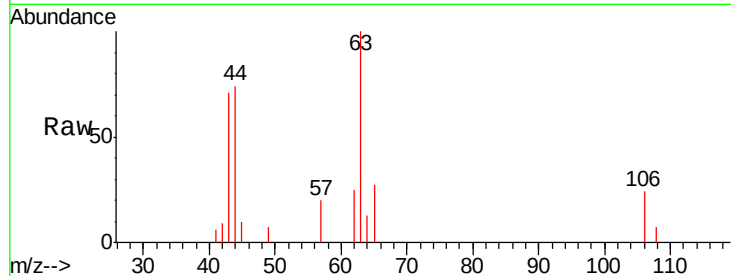
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.48 ug/l
 RT: 7.13 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 4497
 Ion Ratio Lower Upper
 63 100
 106 22.6 18.5 27.7

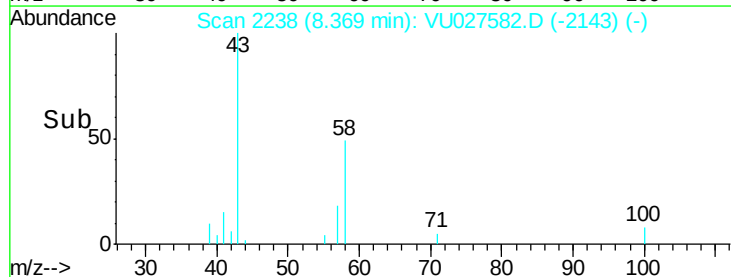
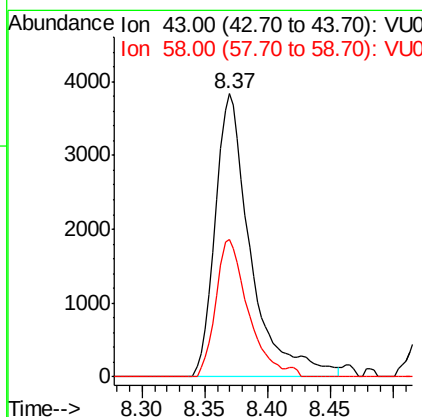
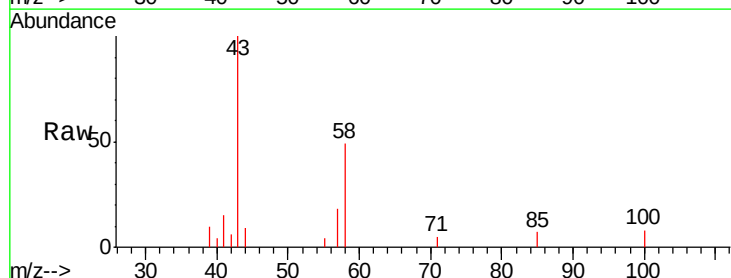
Manual Integrations
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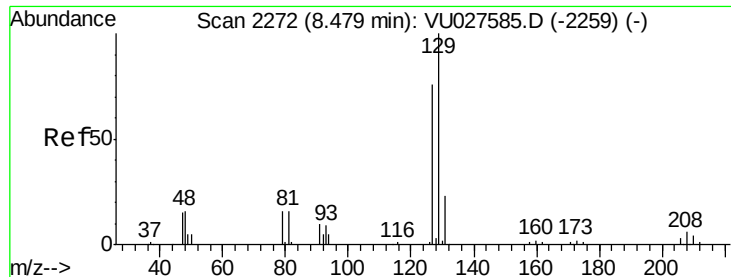
MMDadoda
 10/16/2018 2:22:48 PM



#59
 2-Hexanone
 Concen: 3.65 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion: 43 Resp: 7520
 Ion Ratio Lower Upper
 43 100
 58 43.8 26.1 78.3





#60

Dibromochloromethane

Concen: 0.78 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 1083

Ion Ratio Lower Upper

129 100

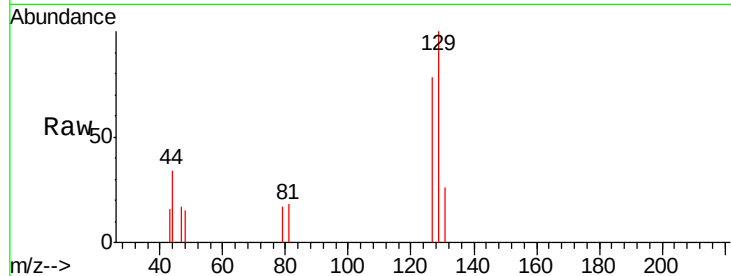
127 74.3 39.1 117.2

Manual Integrations

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

600

400

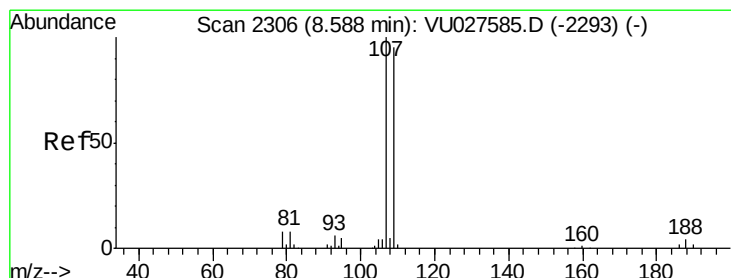
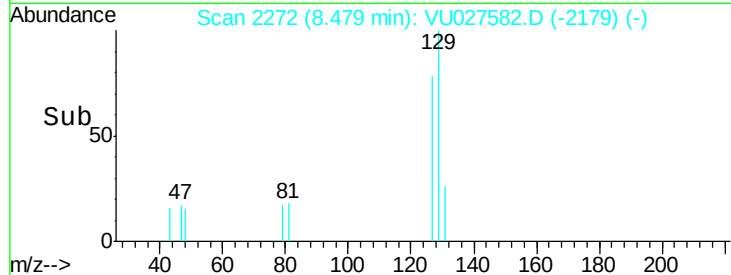
200

0

8.45

8.50

Time-->



#61

1,2-Dibromoethane

Concen: 0.87 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027582.D

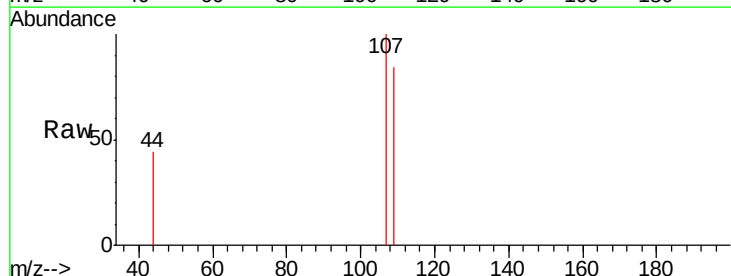
Acq: 11 Oct 2018 08:22

Tgt Ion:107 Resp: 1283

Ion Ratio Lower Upper

107 100

109 83.4 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

600

400

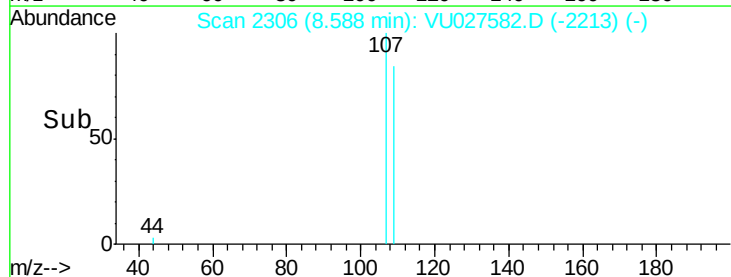
200

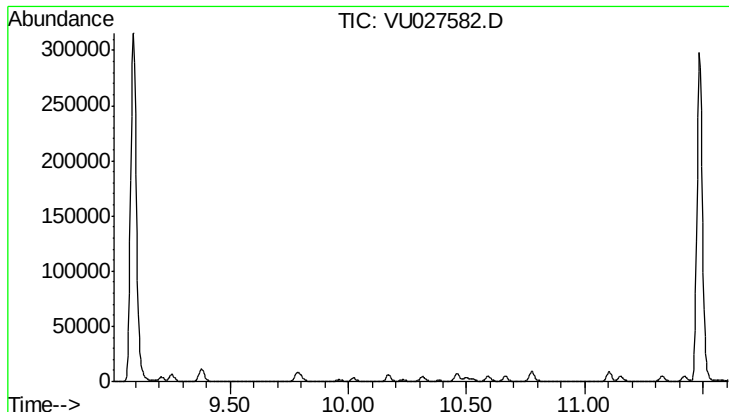
0

8.55

8.60

Time-->





#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 10.31 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion: 95

Sig Exp Ratio

95 100

174 73.9

176 70.4

Instrument :

MSVOA_U

ClientSampleId :

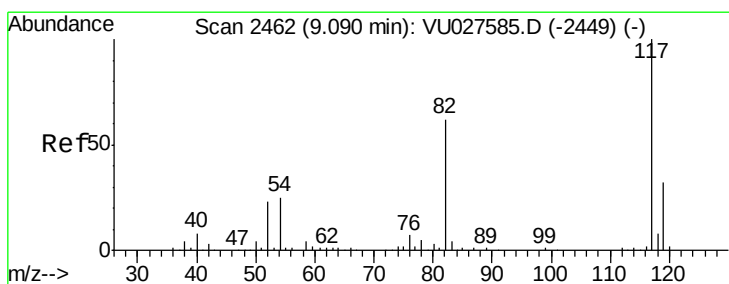
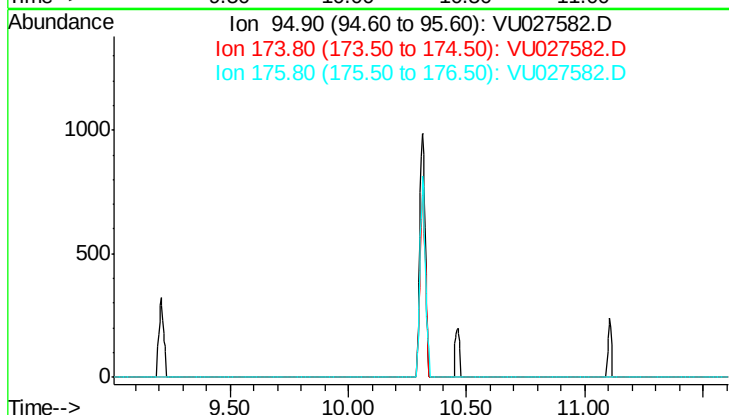
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

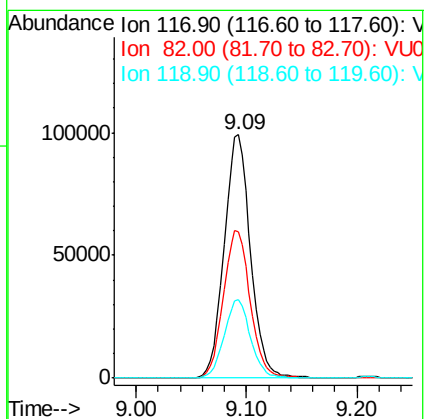
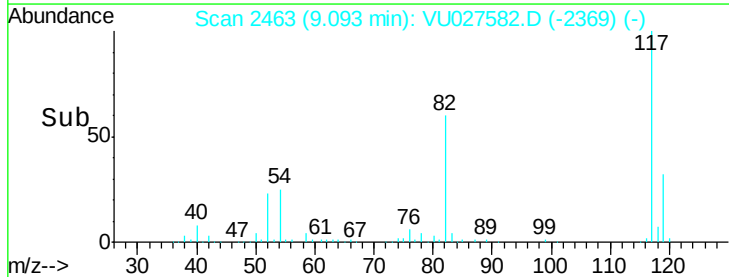
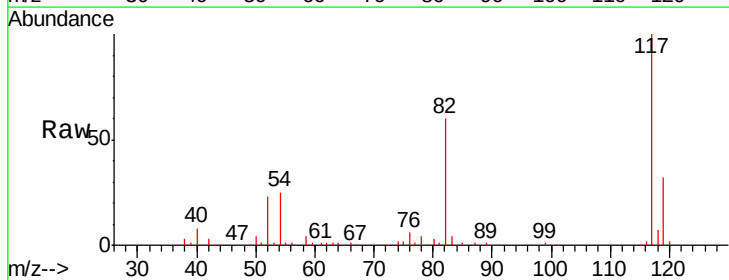
Tgt Ion: 117 Resp: 164219

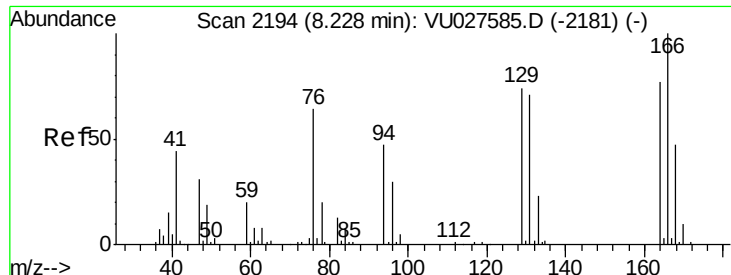
Ion Ratio Lower Upper

117 100

82 60.0 49.2 73.8

119 32.0 25.7 38.5





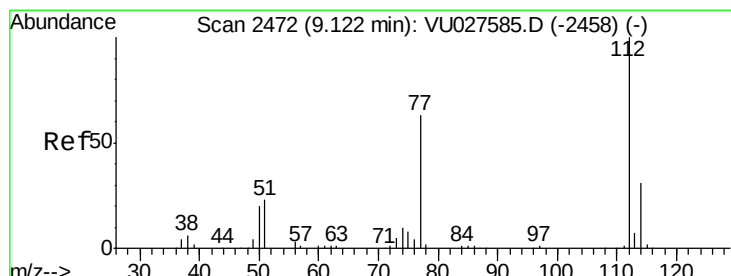
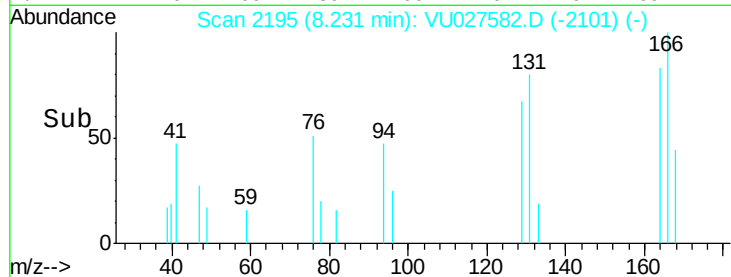
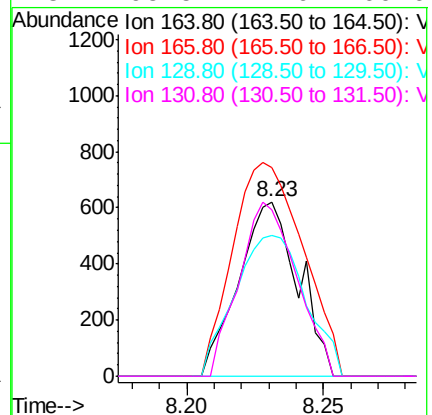
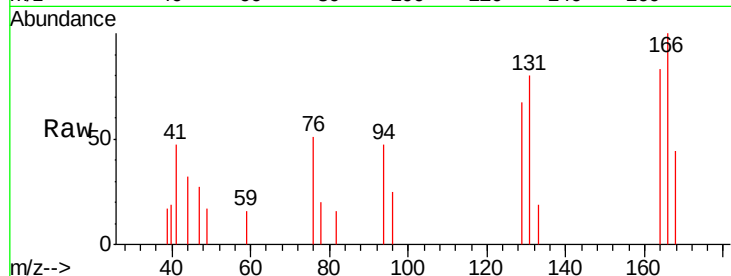
#64
Tetrachloroethene
Concen: 0.92 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.8	101.0	151.6
129	80.5	78.0	117.0
131	95.5	72.6	109.0

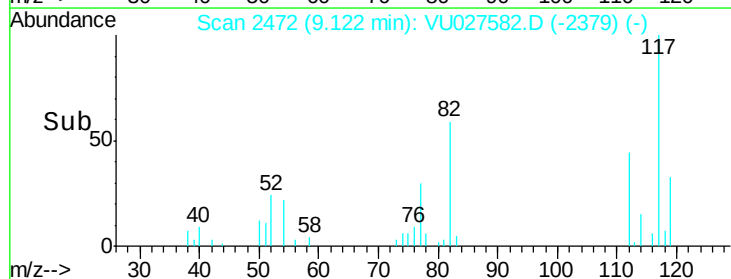
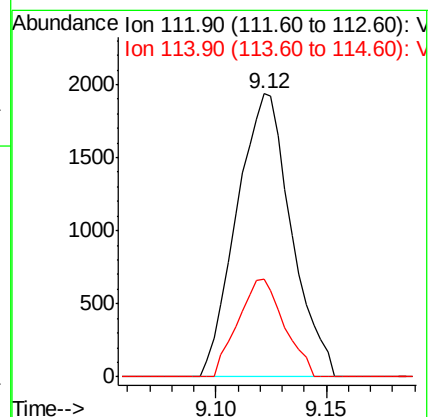
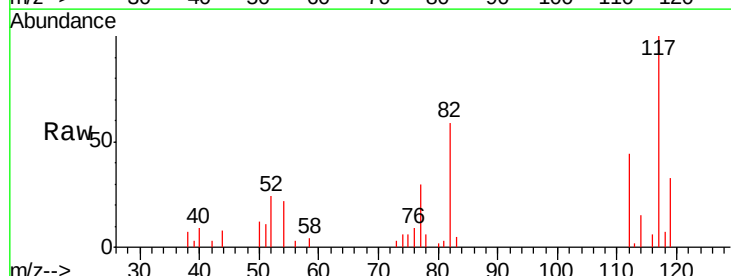
Manual Integrations
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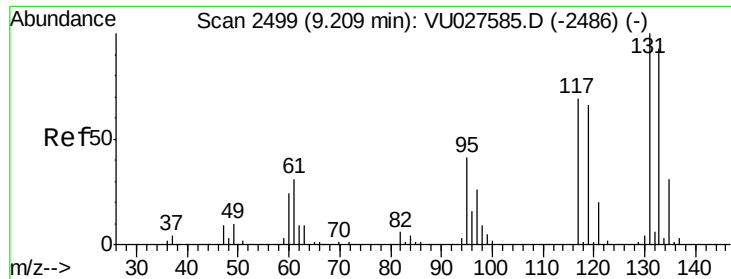
MMDadoda
10/16/2018 2:22:48 PM



#65
Chlorobenzene
Concen: 0.96 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.8	25.8	38.6





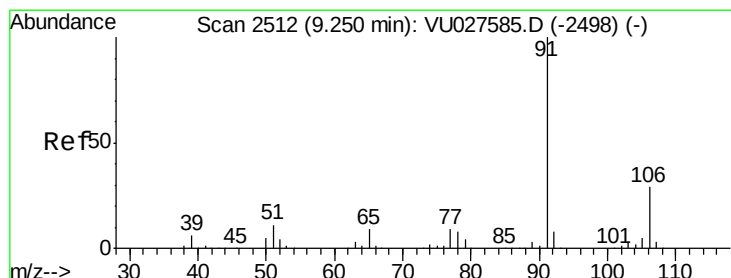
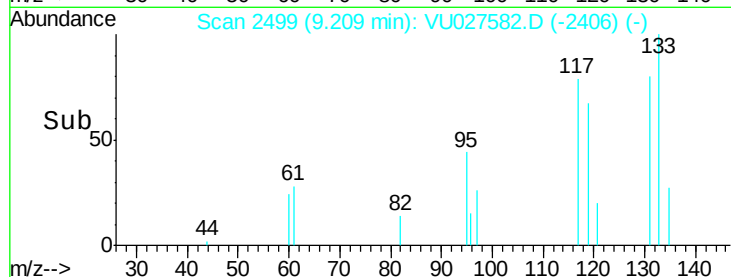
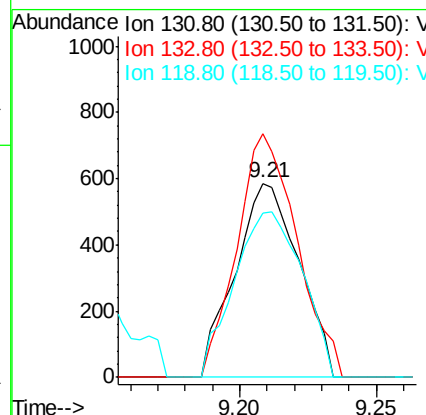
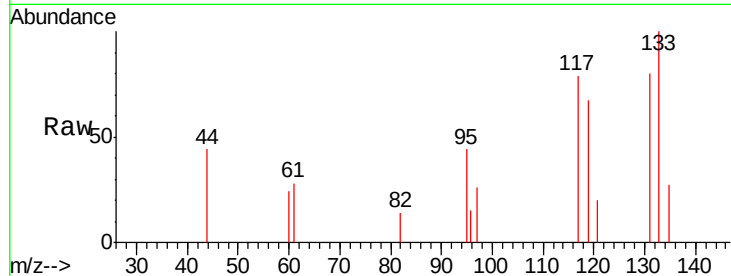
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.80 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
131	100		
133	118.0	48.5	145.6
119	0.0	33.5	100.4

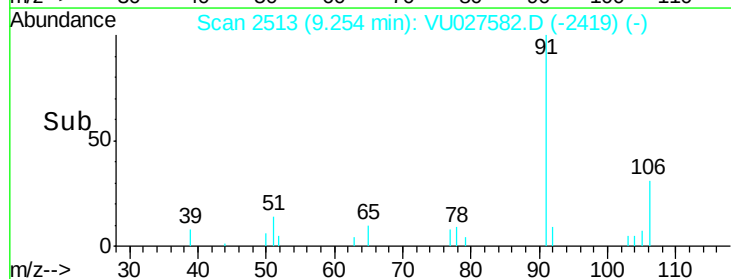
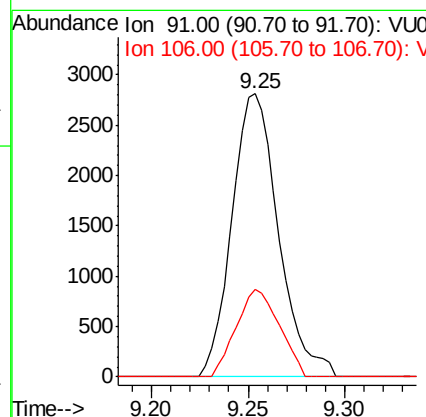
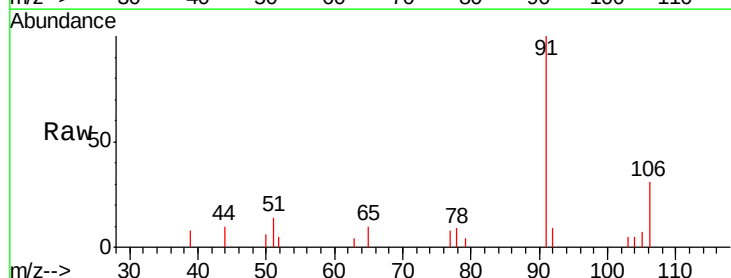
Manual Integrations
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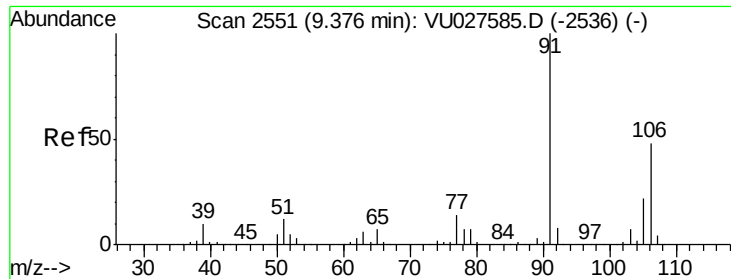
MMDadoda
 10/16/2018 2:22:48 PM



#67
 Ethyl Benzene
 Concen: 0.77 ug/l
 RT: 9.25 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	23.6	35.4





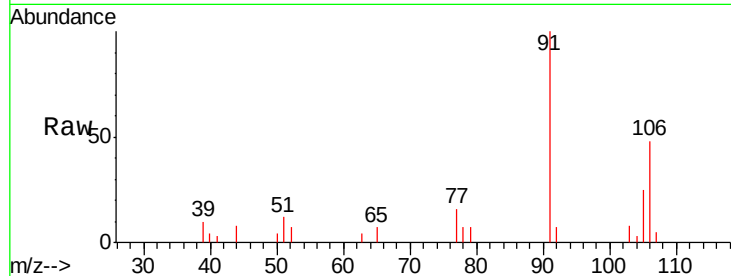
#68
m/p-Xylenes
Concen: 1.42 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

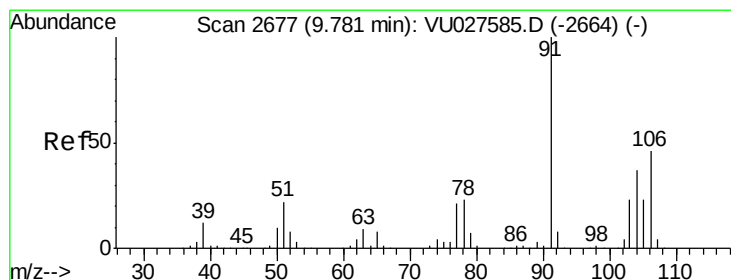
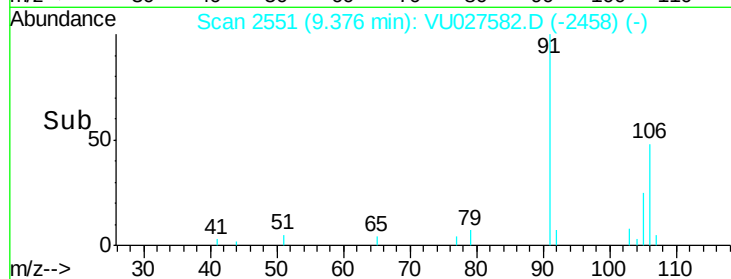
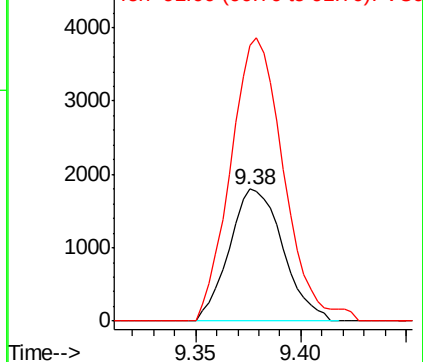
Tgt Ion:106 Resp: 3187
Ion Ratio Lower Upper
106 100
91 211.6 168.1 252.1

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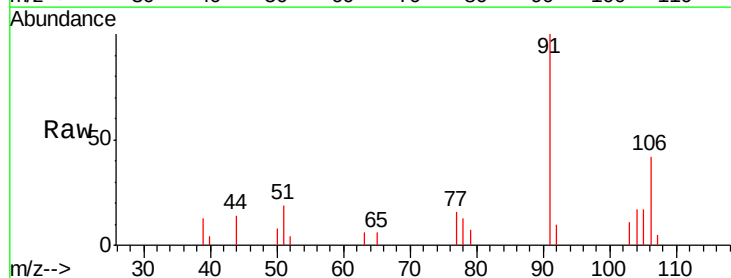


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

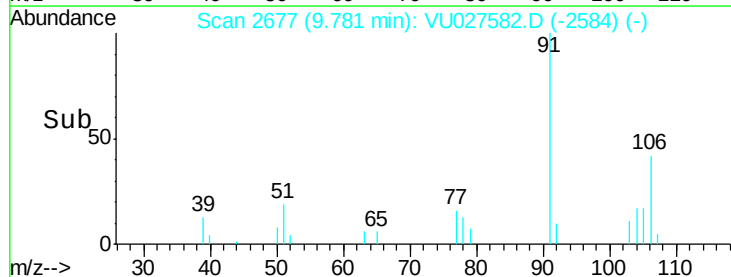
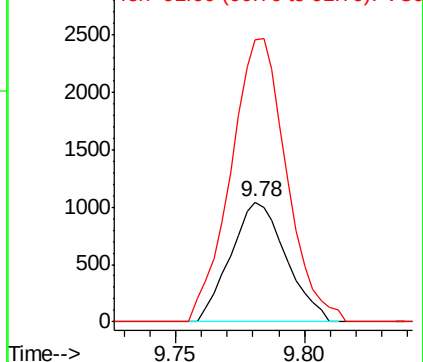


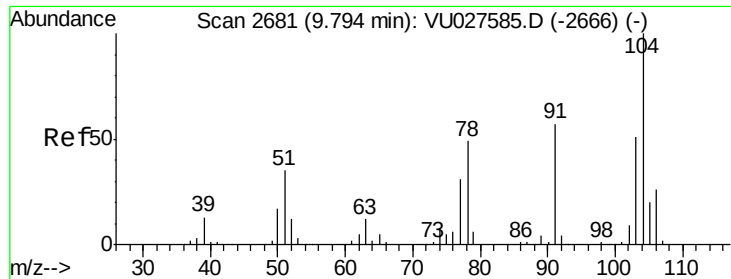
#69
o-Xylene
Concen: 0.73 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion:106 Resp: 1563
Ion Ratio Lower Upper
106 100
91 238.1 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0





#70

Styrene

Concen: 0.66 ug/l

RT: 9.80 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

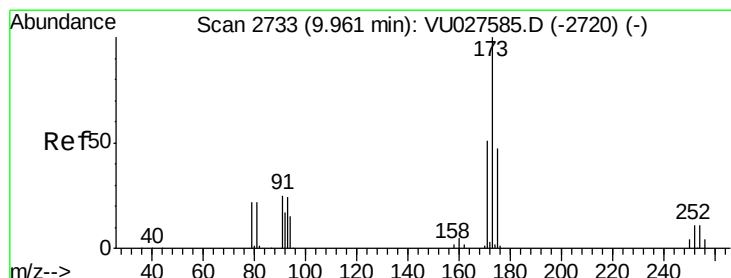
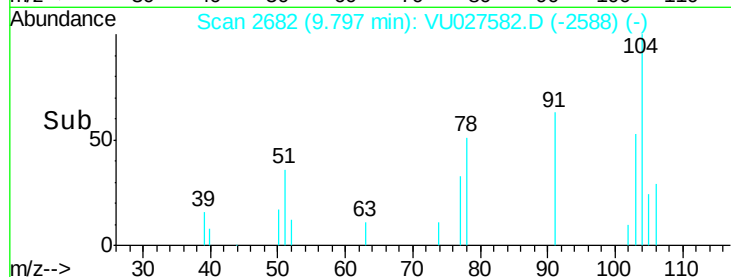
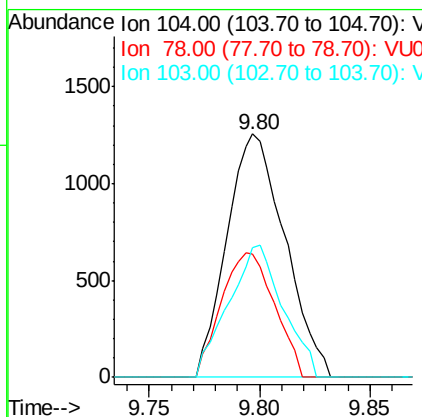
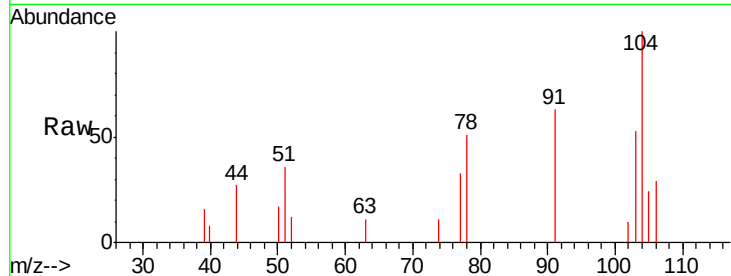
ClientSampleId :

VSTDIC001

Tgt Ion:	104	Resp:	2295
Ion Ratio	Lower	Upper	
104	100		
78	46.8	42.9	64.3
103	50.6	43.9	65.9

Manual Integrations
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#71

Bromoform

Concen: 0.75 ug/l

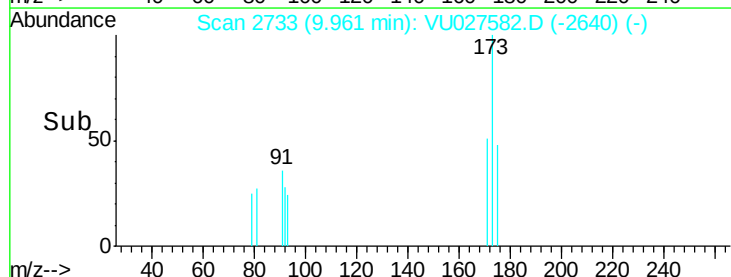
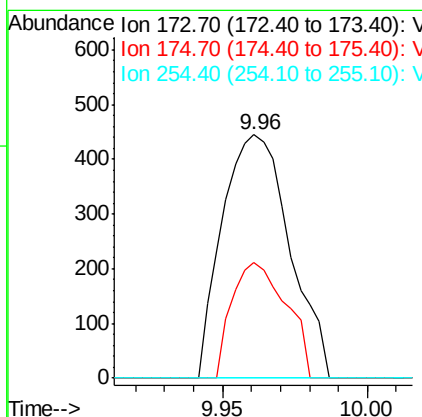
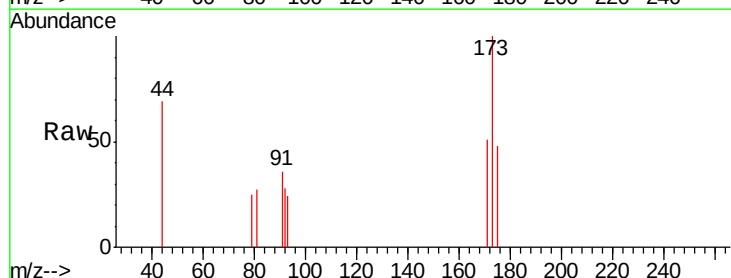
RT: 9.96 min Scan# 2733

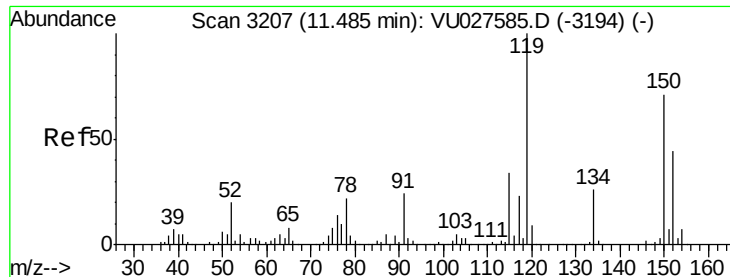
Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion:	173	Resp:	719
Ion Ratio	Lower	Upper	
173	100		
175	38.1	24.3	73.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:152 Resp: 71273

Ion Ratio Lower Upper

152 100

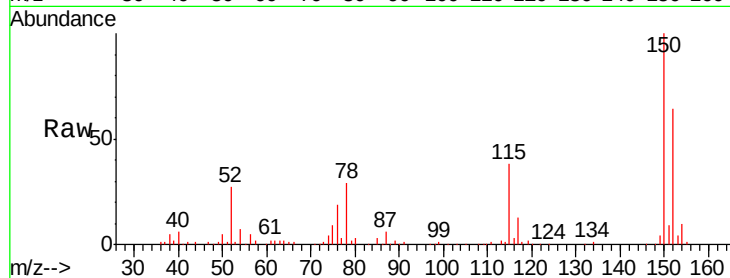
115 60.1 43.4 130.2

150 155.7 0.0 349.2

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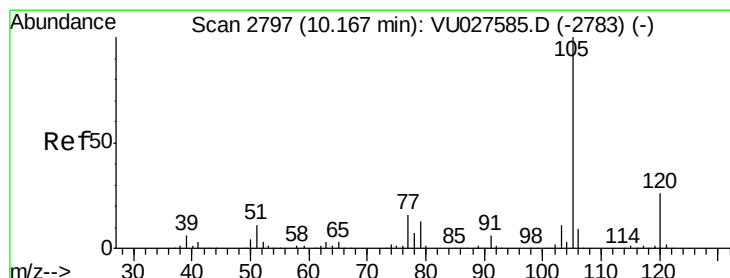
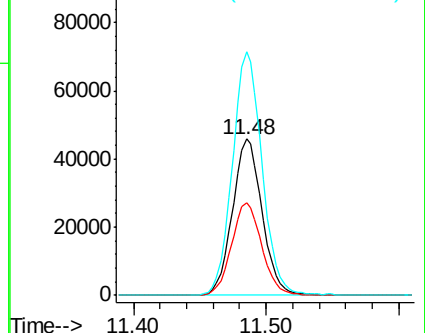
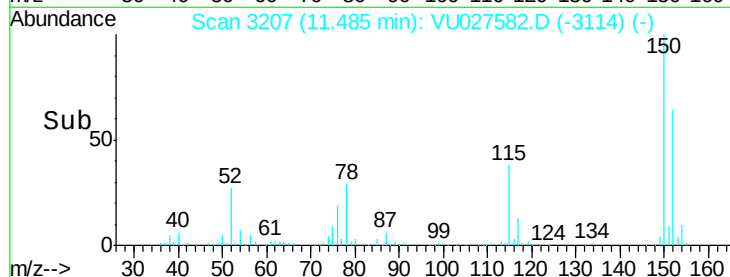
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.70 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027582.D

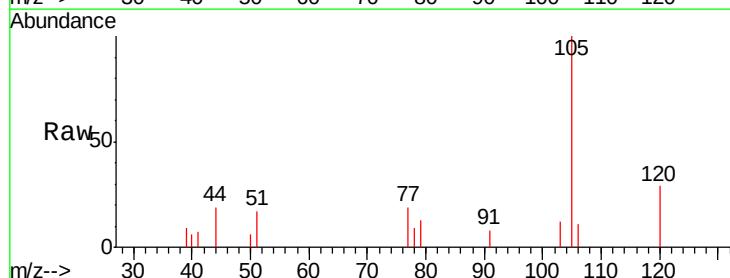
Acq: 11 Oct 2018 08:22

Tgt Ion:105 Resp: 3640

Ion Ratio Lower Upper

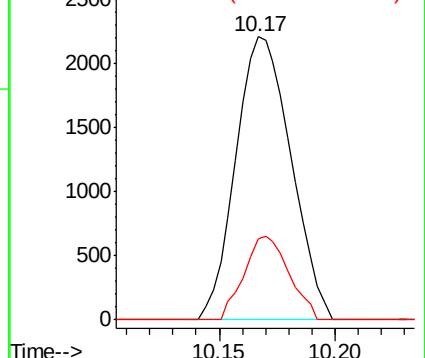
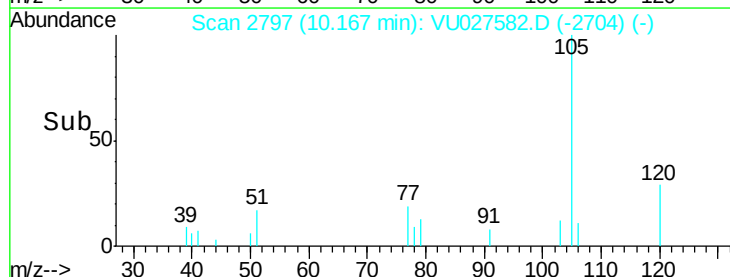
105 100

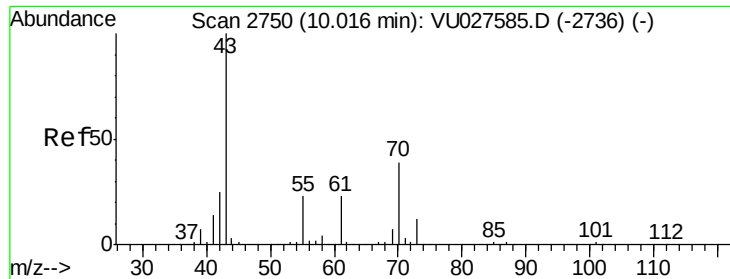
120 24.1 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 0.70 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

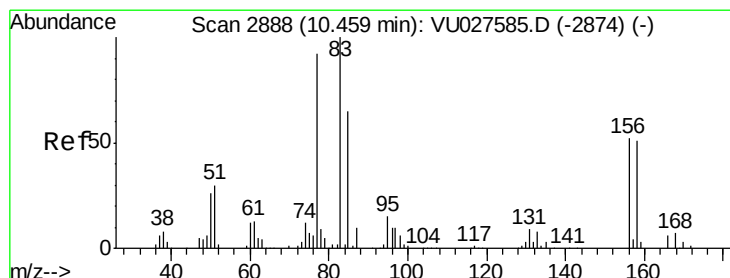
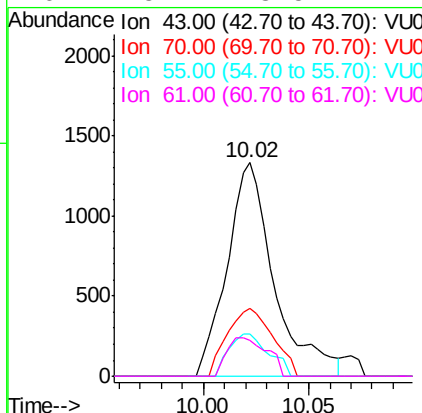
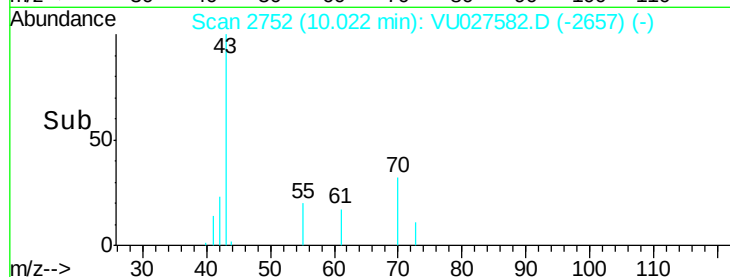
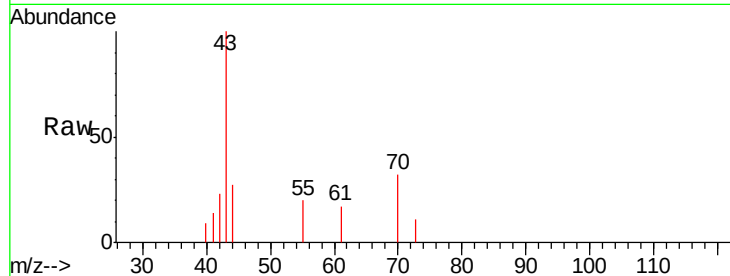
ClientSampleId :

VSTDIC001

Tgt Ion:	43	Resp:	2066
Ion	Ratio	Lower	Upper
43	100		
70	30.6	31.3	46.9#
55	16.7	19.0	28.6#
61	15.2	18.5	27.7#

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.12 ug/l

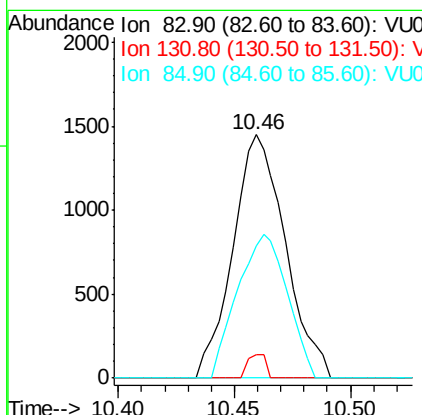
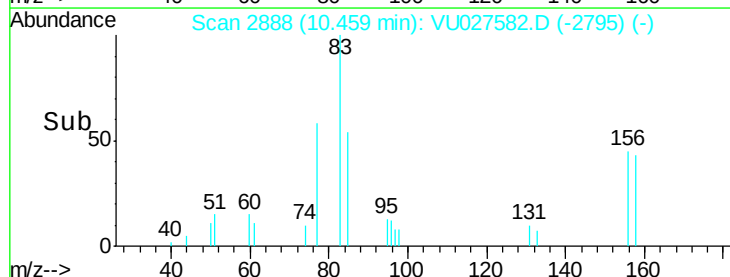
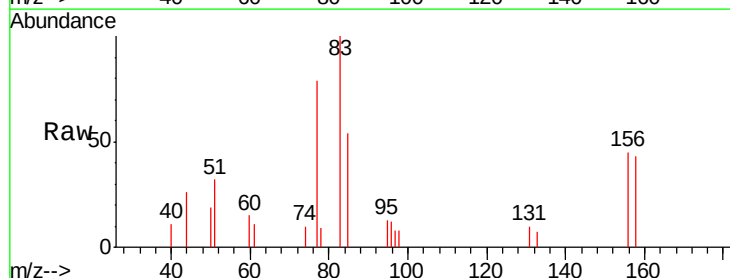
RT: 10.46 min Scan# 2888

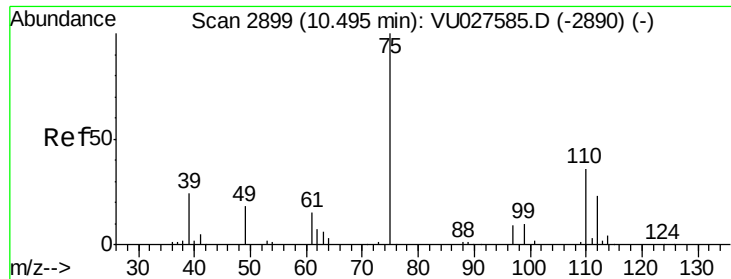
Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion:	83	Resp:	2267
Ion	Ratio	Lower	Upper
83	100		
131	3.4	4.4	13.2#
85	56.5	32.0	96.0





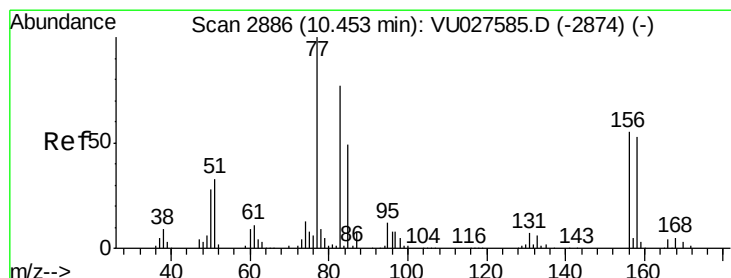
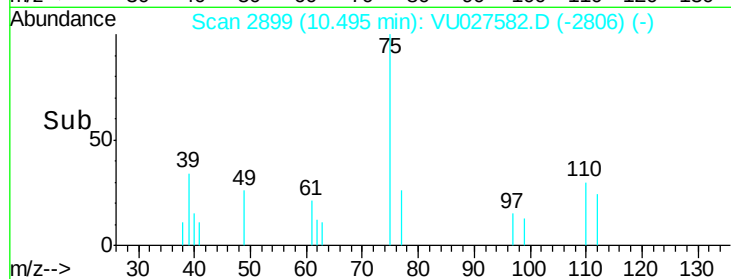
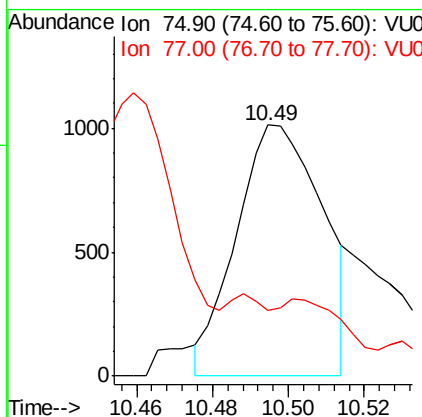
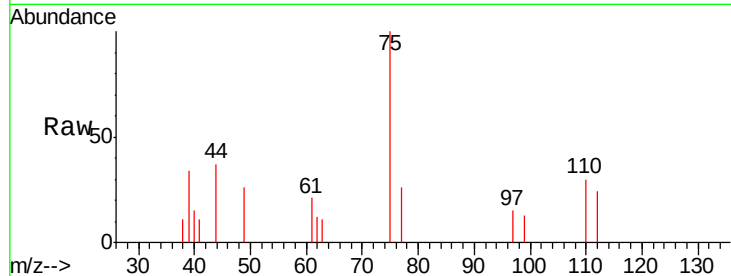
#76
1,2,3-Trichloropropane
Concen: 0.87 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 1605
Ion Ratio Lower Upper
75 100
77 0.0 20.3 60.9#

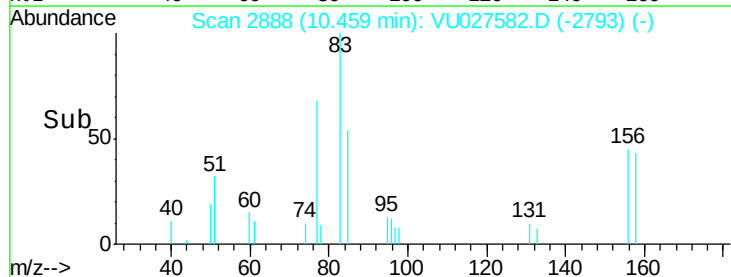
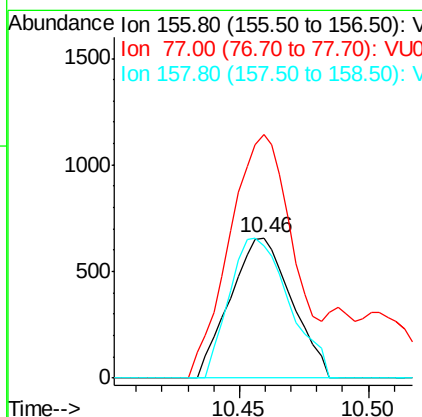
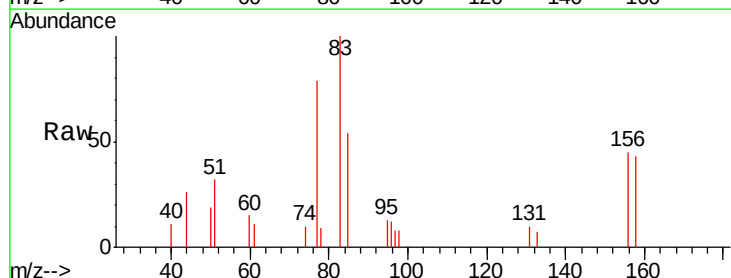
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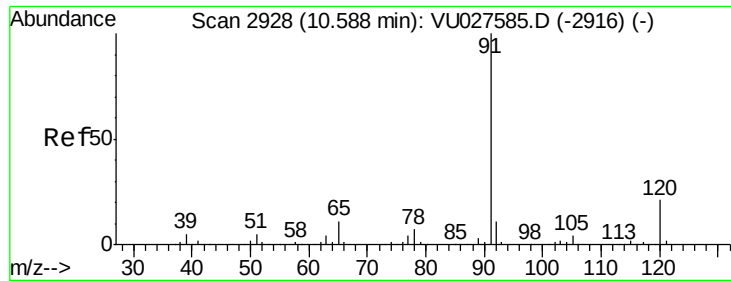
MMDadoda
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#77
Bromobenzene
Concen: 0.91 ug/l
RT: 10.46 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 156 Resp: 1091
Ion Ratio Lower Upper
156 100
77 180.2 94.8 284.4
158 97.3 47.4 142.3





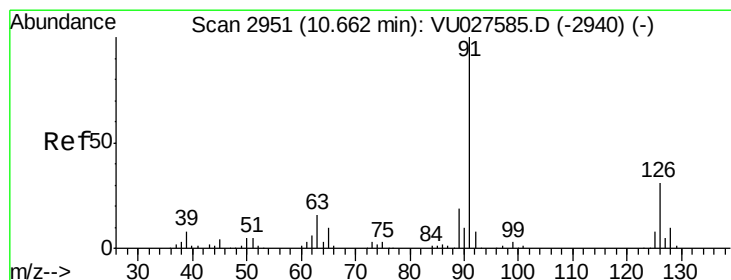
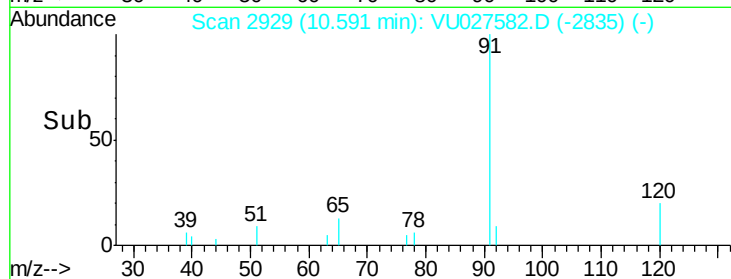
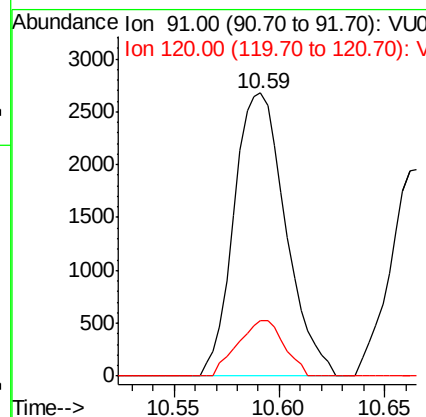
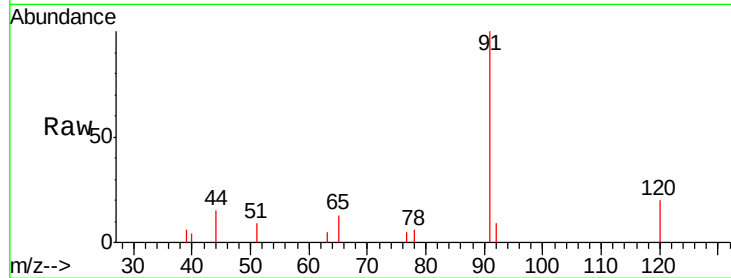
#78
n-propylbenzene
Concen: 0.73 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 4555
Ion Ratio Lower Upper
91 100
120 17.7 10.6 31.8

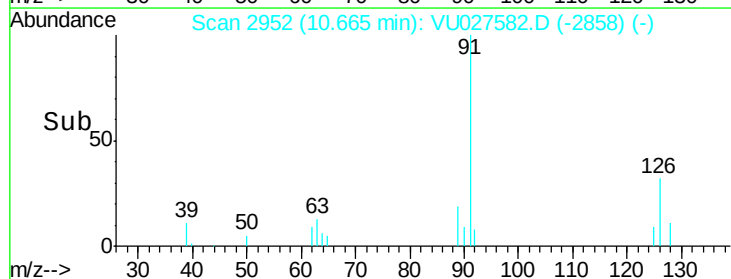
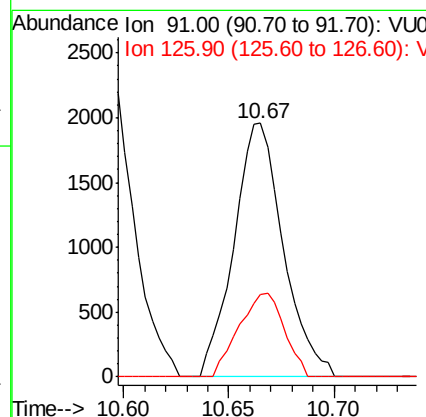
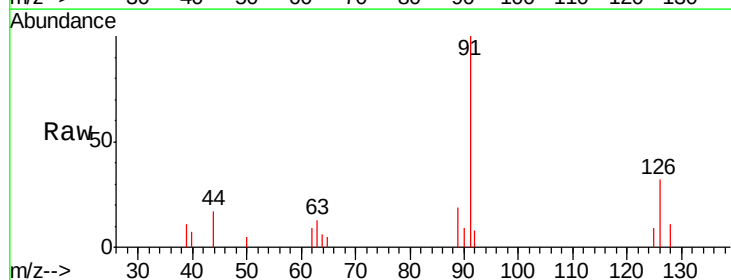
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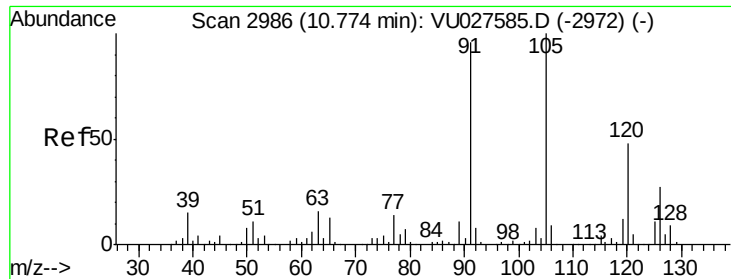
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#79
2-Chlorotoluene
Concen: 0.85 ug/l
RT: 10.67 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 91 Resp: 3183
Ion Ratio Lower Upper
91 100
126 30.2 15.7 47.1





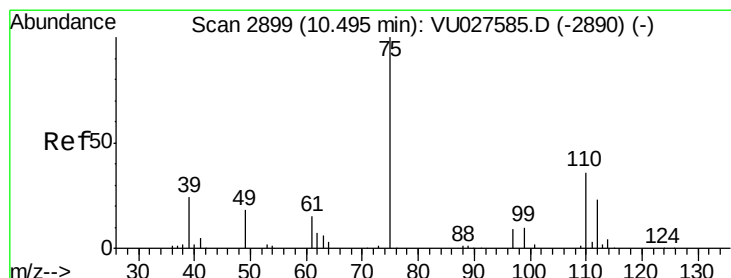
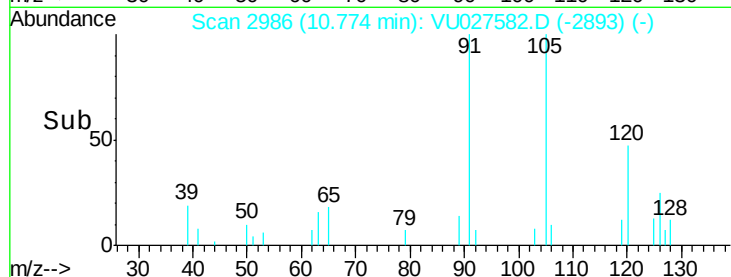
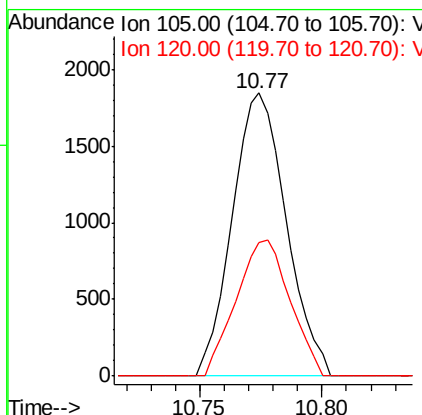
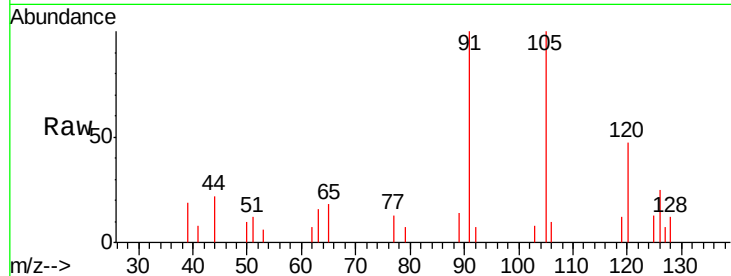
#80
 1,3,5-Trimethylbenzene
 Concen: 0.67 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC001

Tgt Ion: 105 Resp: 2830
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4

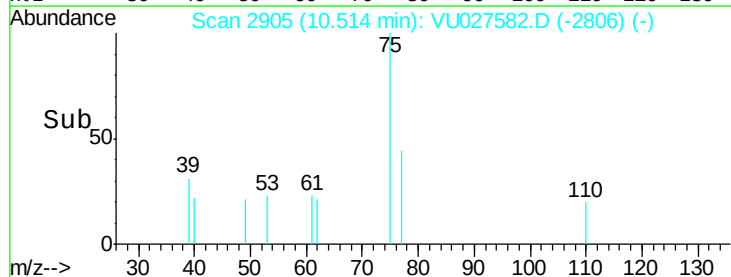
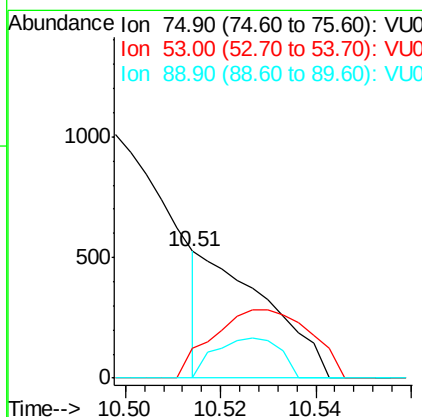
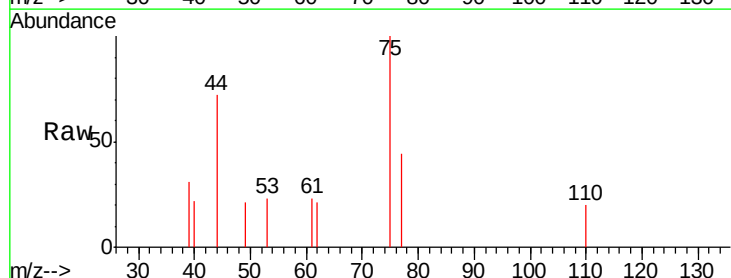
Manual Integrations
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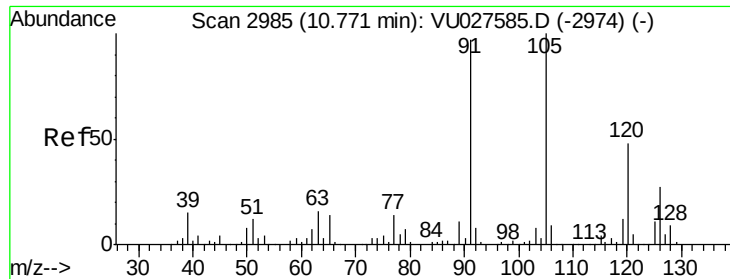
MMDadoda
 10/16/2018 2:22:48 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.72 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.02 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion: 75 Resp: 508
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





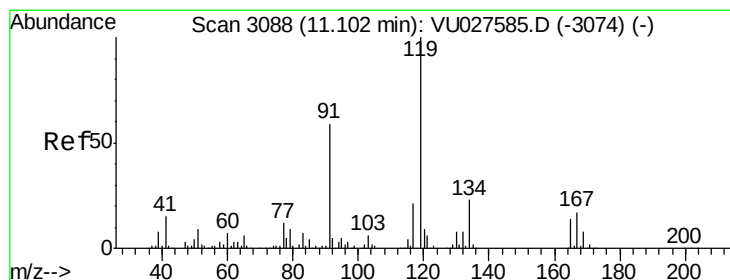
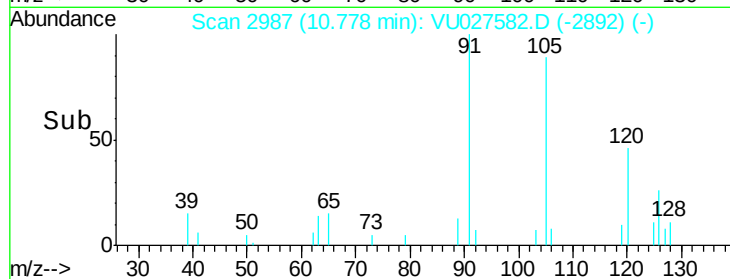
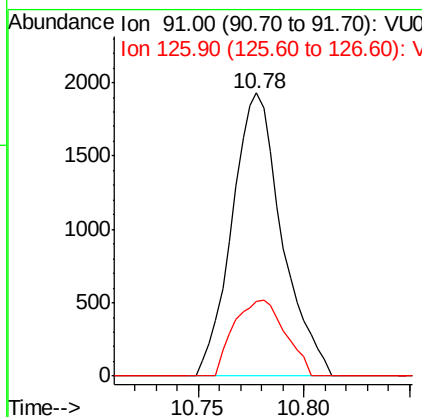
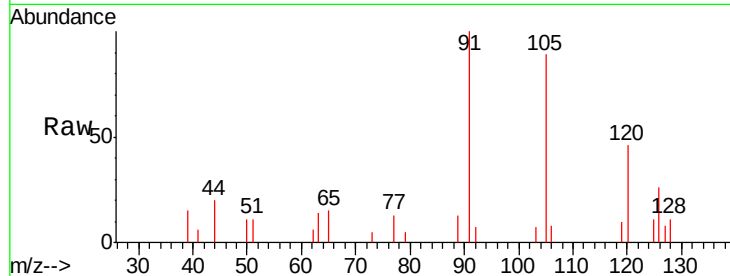
#82
4-Chlorotoluene
Concen: 0.74 ug/l
RT: 10.78 min Scan# 2987
Delta R.T. 0.01 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 3170
Ion Ratio Lower Upper
91 100
126 27.5 13.6 40.8

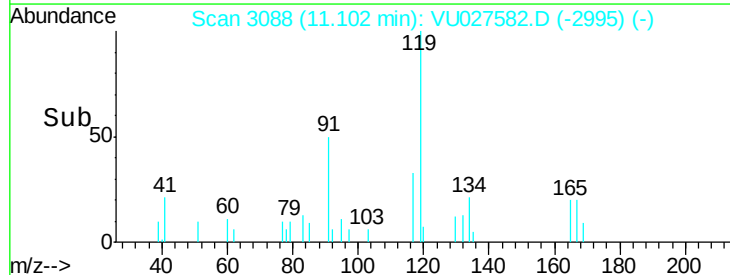
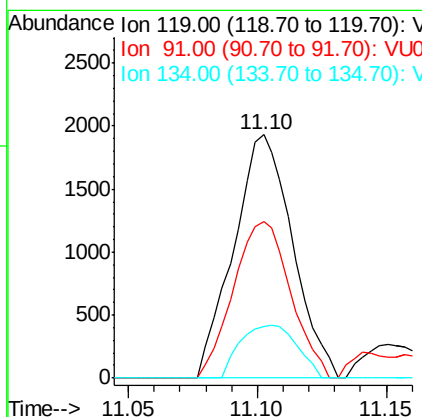
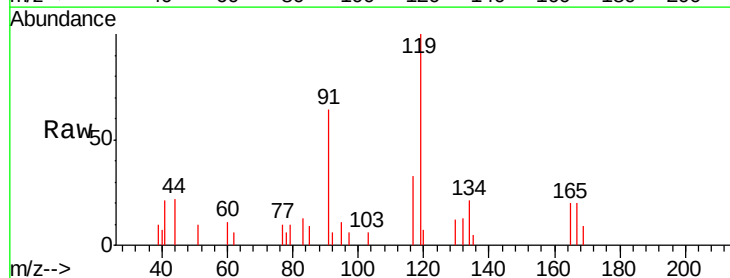
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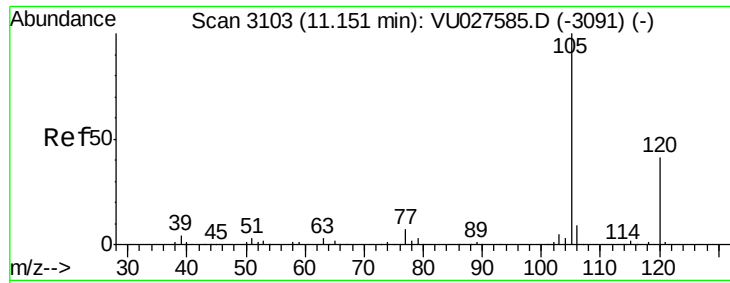
MMDadoda
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#83
tert-Butylbenzene
Concen: 0.75 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027582.D
Acq: 11 Oct 2018 08:22

Tgt Ion: 119 Resp: 3075
Ion Ratio Lower Upper
119 100
91 62.5 30.3 91.0
134 20.9 11.5 34.4





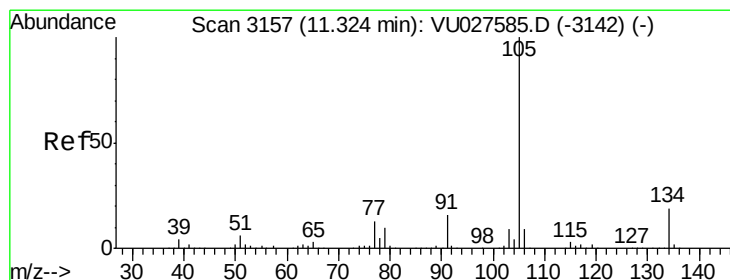
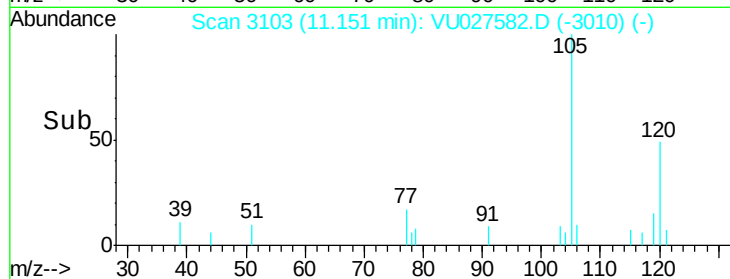
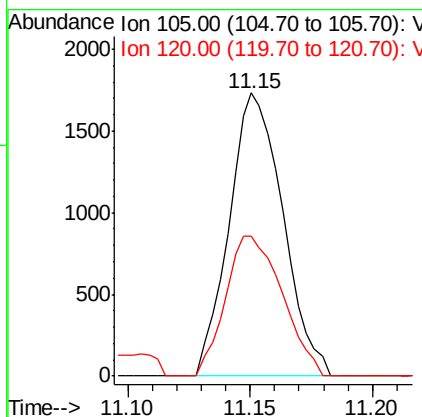
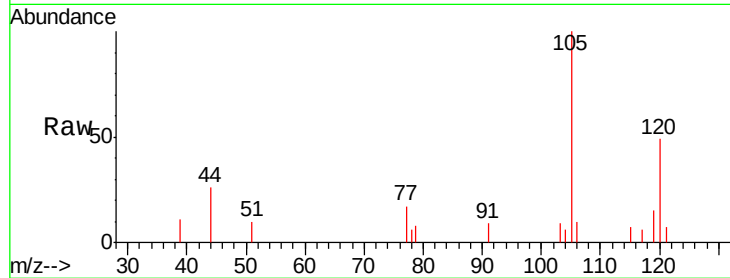
#84
 1,2,4-Trimethylbenzene
 Concen: 0.61 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:105 Resp: 2645
 Ion Ratio Lower Upper
 105 100
 120 52.2 22.1 66.5

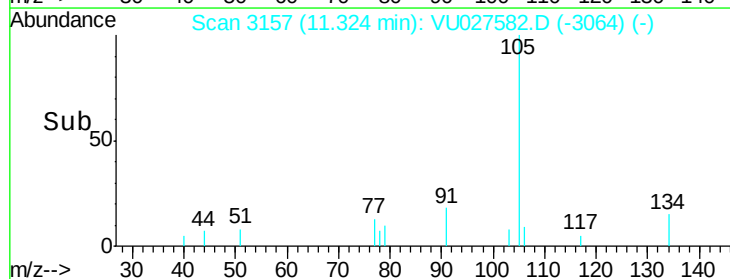
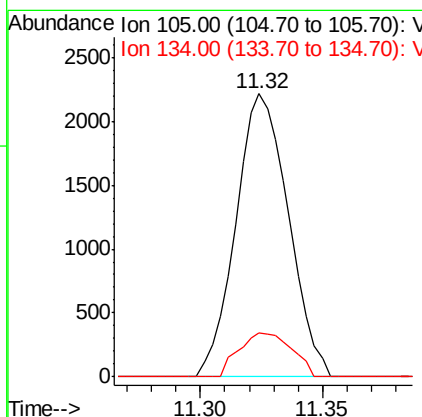
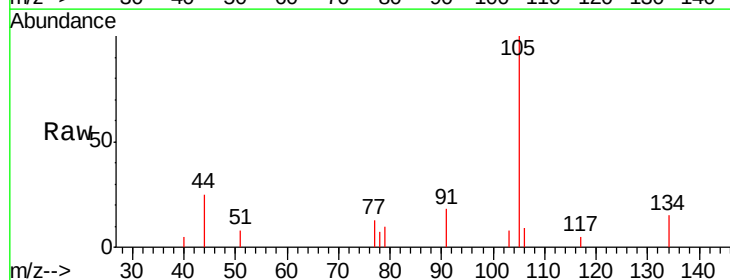
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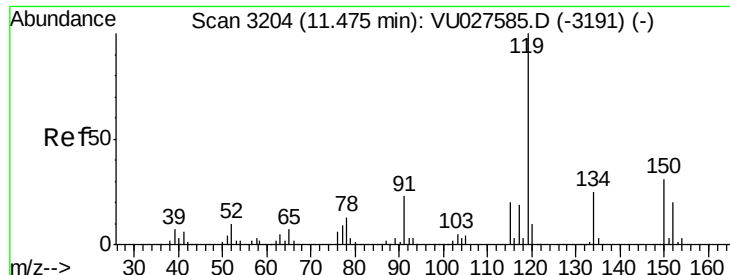
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#85
 sec-Butylbenzene
 Concen: 0.64 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion:105 Resp: 3297
 Ion Ratio Lower Upper
 105 100
 134 15.7 9.6 28.6





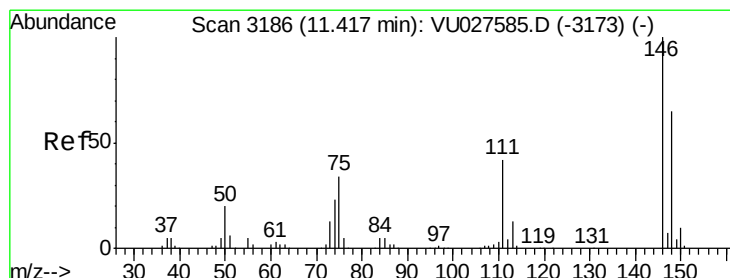
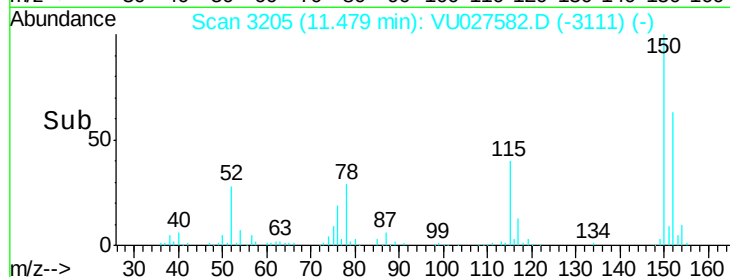
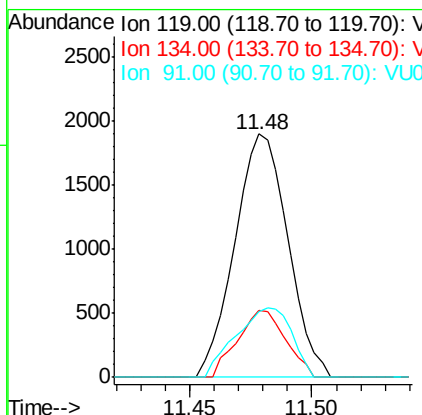
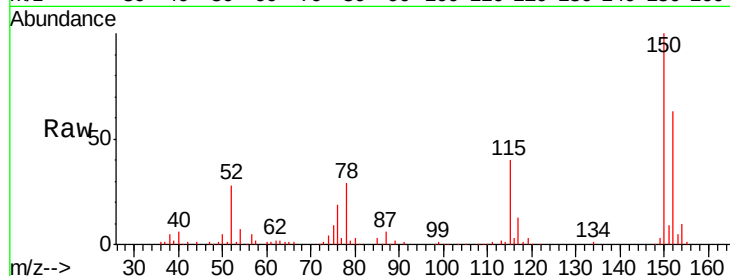
#86
 p-Isopropyltoluene
 Concen: 0.65 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion:	119	Resp:	2866
Ion Ratio	Lower	Upper	
119	100		
134	24.9	12.7	38.1
91	30.3	12.2	36.4

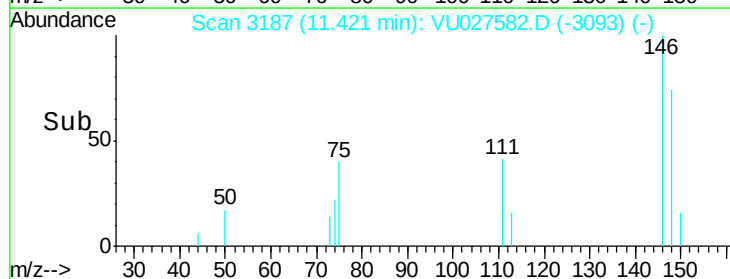
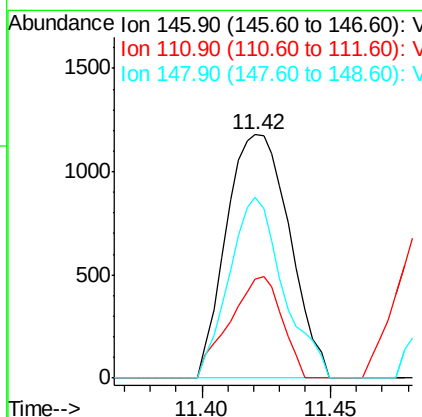
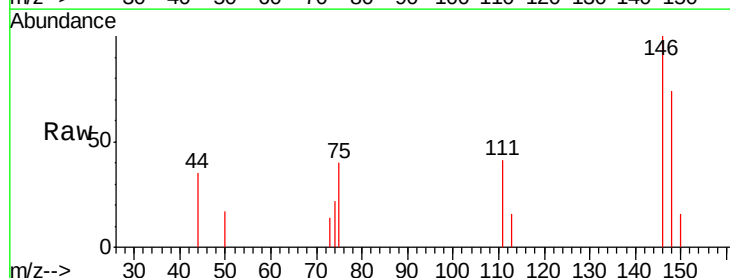
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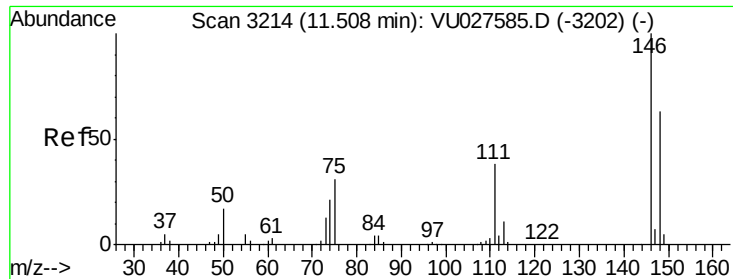
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#87
 1,3-Dichlorobenzene
 Concen: 0.89 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion:	146	Resp:	2017
Ion Ratio	Lower	Upper	
146	100		
111	34.4	20.8	62.5
148	63.5	31.6	94.8





#88

1,4-Dichlorobenzene

Concen: 1.08 ug/l m

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

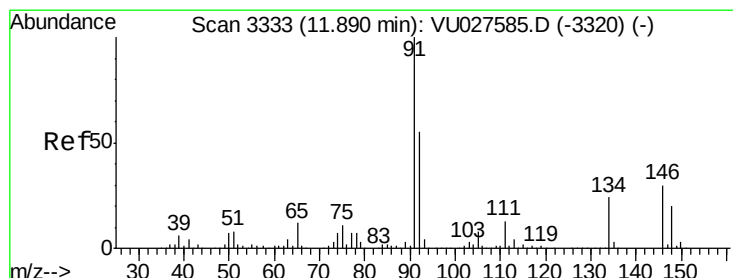
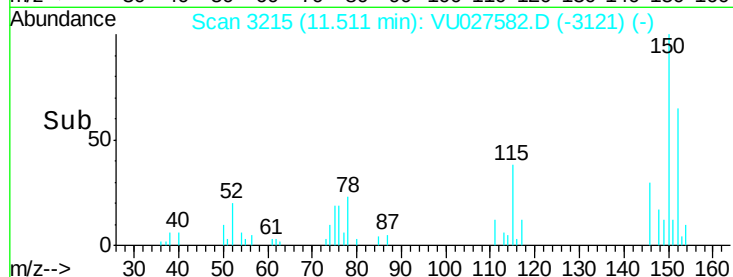
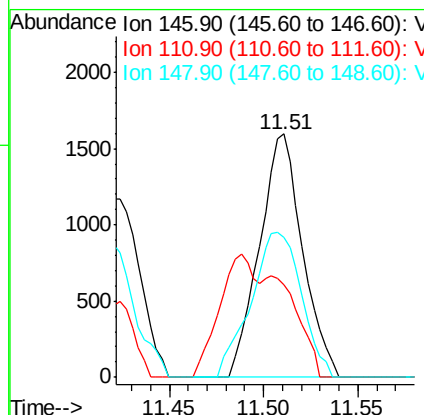
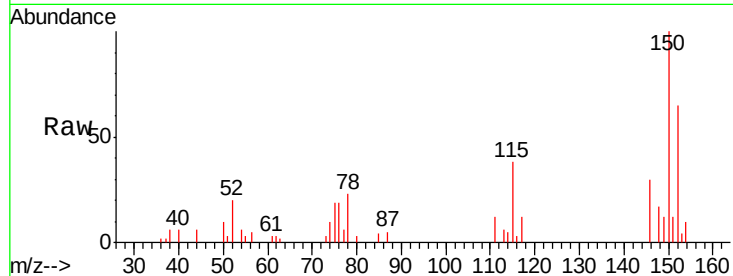
ClientSampleId :

VSTDIC001

Tgt Ion:	146	Resp:	2524
Ion	Ratio	Lower	Upper
146	100		
111	27.5	20.4	61.2
148	50.8	31.9	95.5

Manual Integrations
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#89

n-Butylbenzene

Concen: 0.60 ug/l

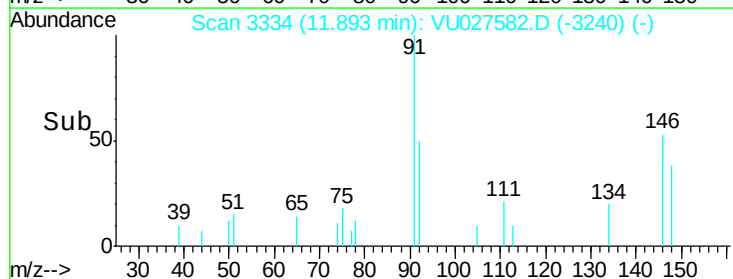
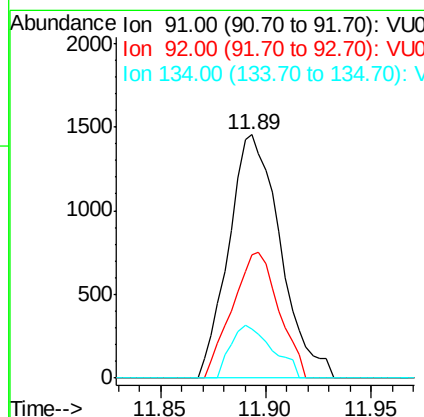
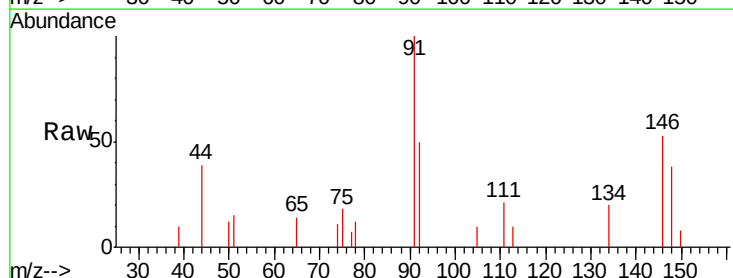
RT: 11.89 min Scan# 3334

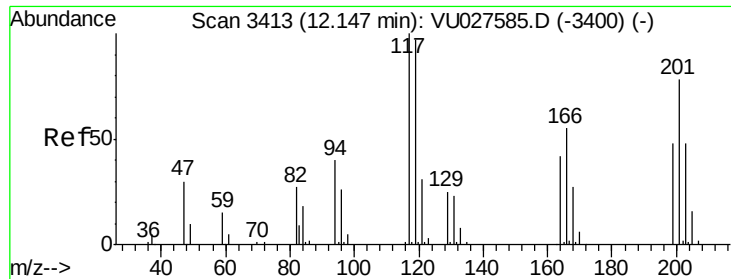
Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Tgt Ion:	91	Resp:	2470
Ion	Ratio	Lower	Upper
91	100		
92	46.3	27.0	81.0
134	17.4	11.7	35.1





#90

Hexachloroethane

Concen: 0.88 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 725

Ion Ratio Lower Upper

117 100

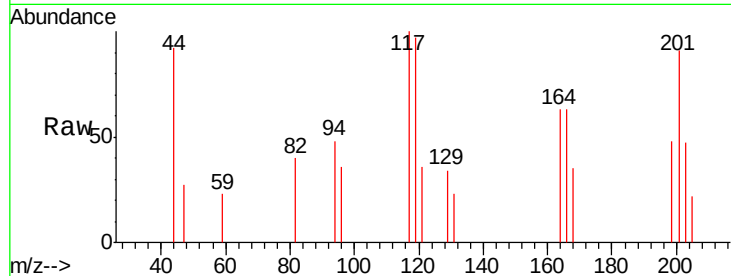
201 85.8 37.9 113.6

Manual Integrations

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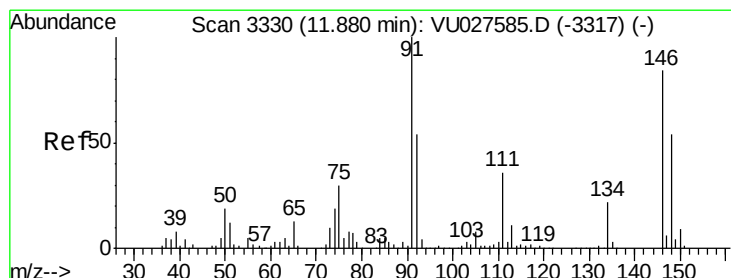
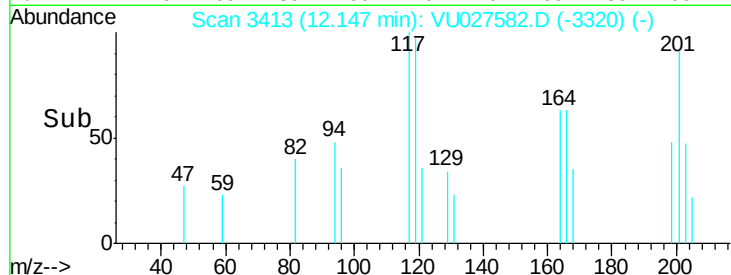
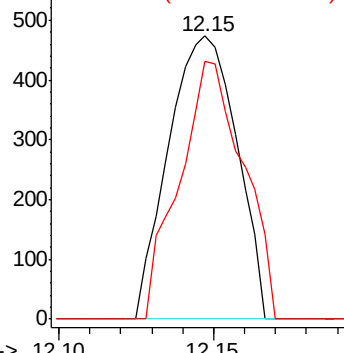
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.91 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

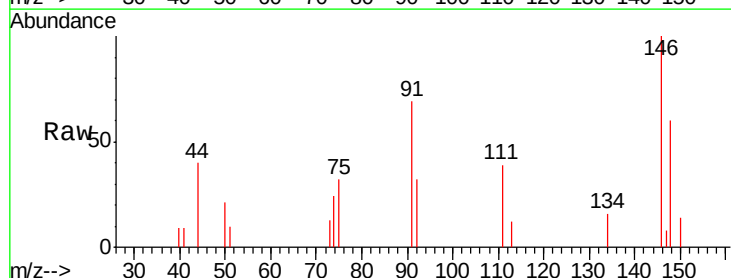
Tgt Ion:146 Resp: 2019

Ion Ratio Lower Upper

146 100

111 39.2 21.8 65.4

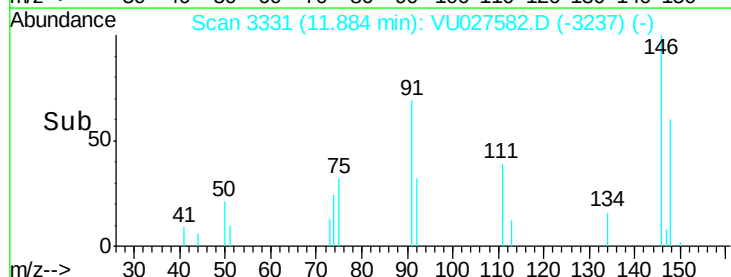
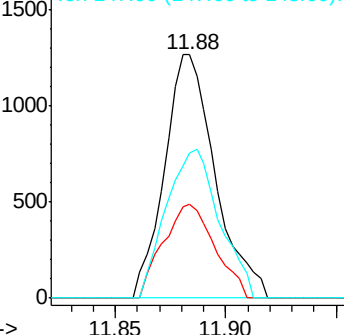
148 64.2 31.9 95.5

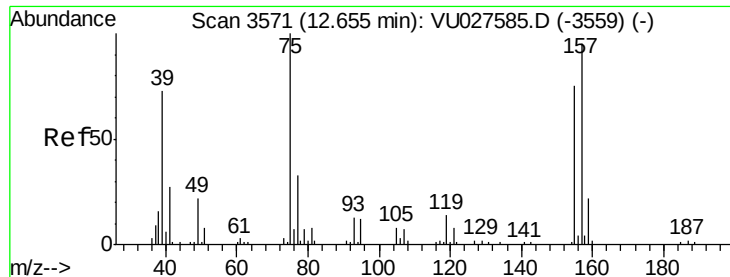


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





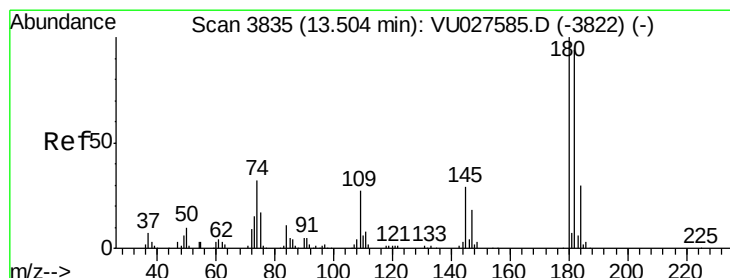
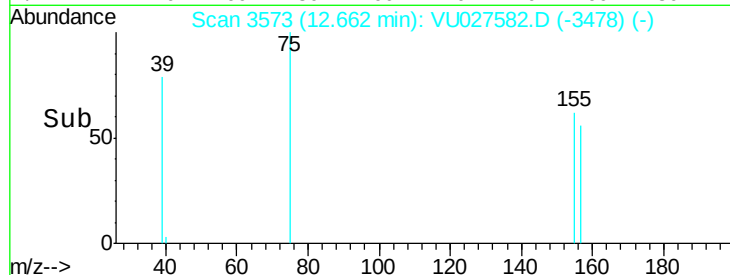
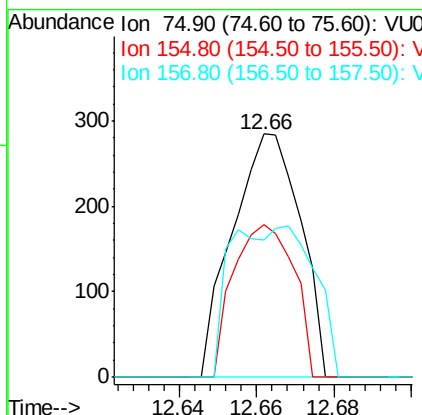
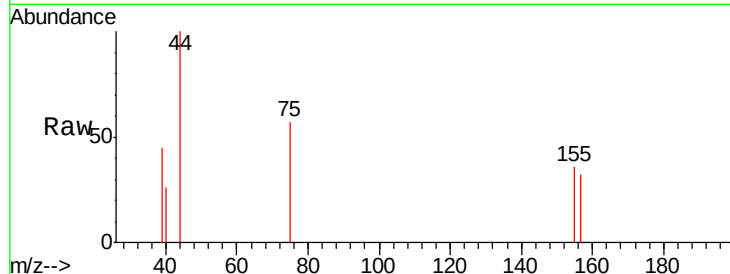
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.77 ug/l
 RT: 12.66 min Scan# 3573
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.6	35.9	107.8
157	76.7	46.9	140.6

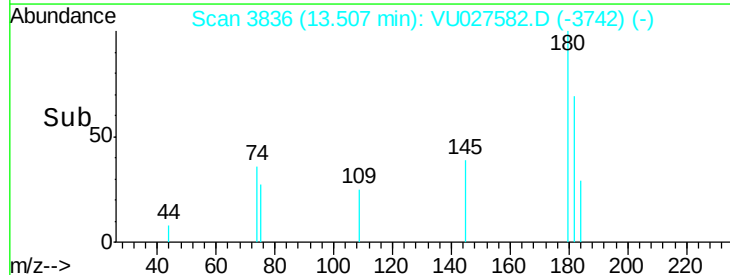
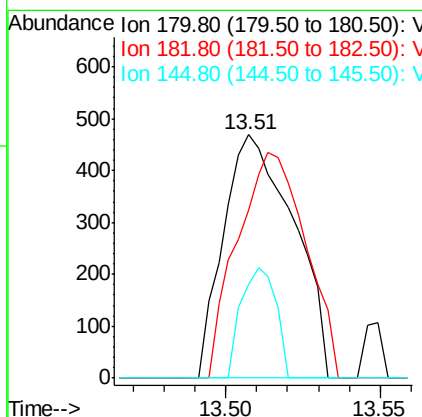
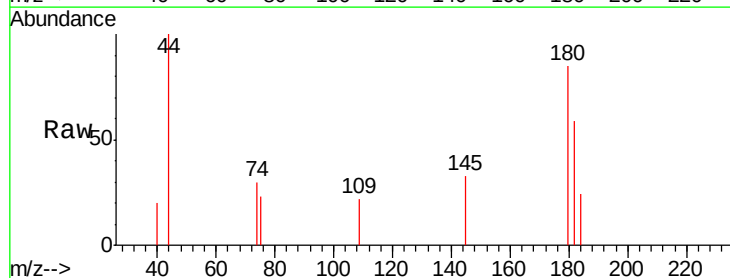
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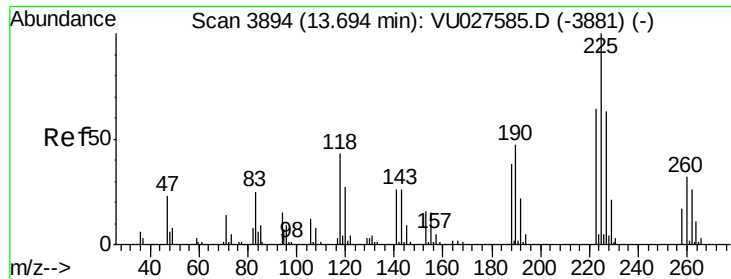
MMDadoda
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#93
 1,2,4-Trichlorobenzene
 Concen: 0.52 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.3
145	22.5	14.6	44.0





#94

Hexachlorobutadiene

Concen: 0.87 ug/l

RT: 13.70 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

Instrument :

MSVOA_U

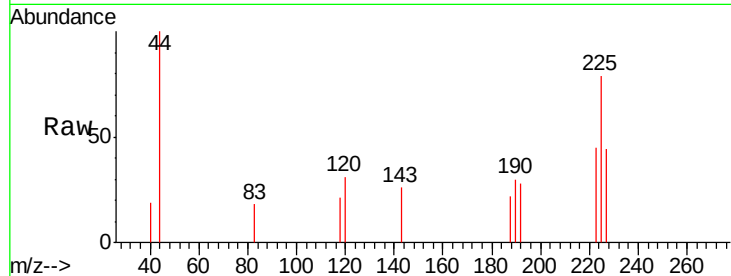
ClientSampleId :

VSTDIC001

Tgt Ion:	225	Resp:	632
Ion Ratio	Lower	Upper	
225	100		
223	60.6	31.8	95.3
227	58.7	31.9	95.7

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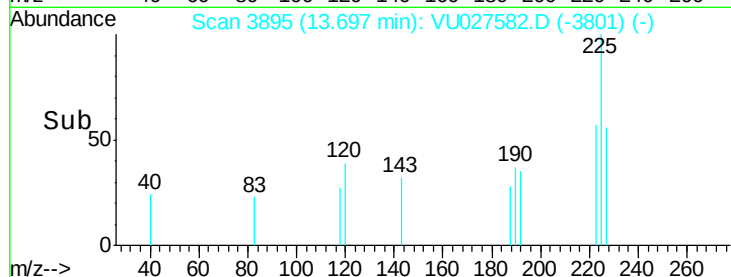
MMDadoda
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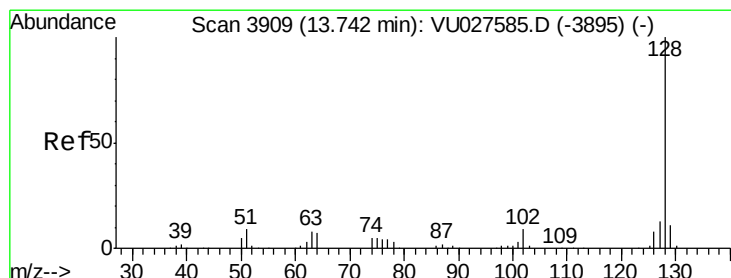
Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

13.70

Time--> 13.65



Time--> 13.65



#95

Naphthalene

Concen: 0.41 ug/l

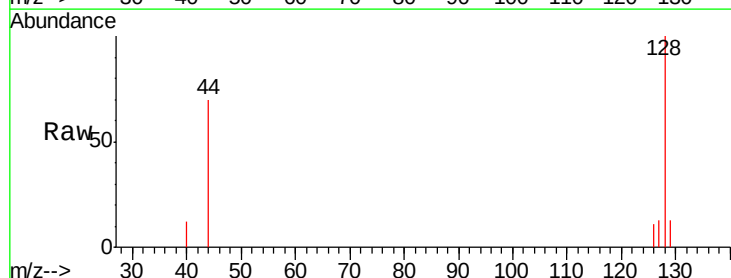
RT: 13.75 min Scan# 3912

Delta R.T. 0.01 min

Lab File: VU027582.D

Acq: 11 Oct 2018 08:22

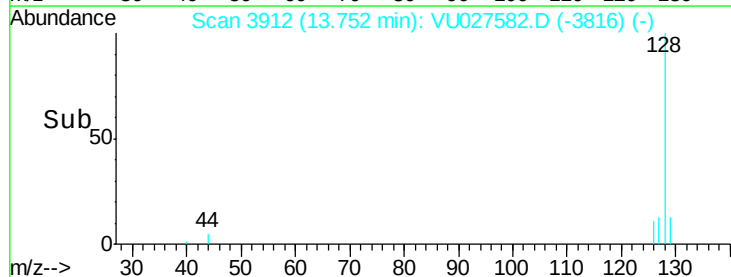
Tgt Ion:	128	Resp:	1977
Ion Ratio	Lower	Upper	
128	100		
127	4.6	10.5	15.7#
129	3.2	8.6	12.8#



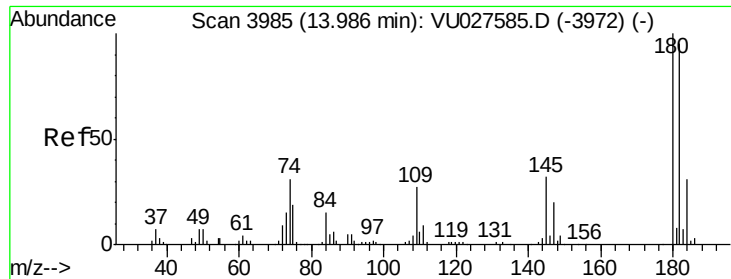
Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

13.75

Time--> 13.70



Time--> 13.70



#96
 1,2,3-Trichlorobenzene
 Concen: 0.75 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU027582.D
 Acq: 11 Oct 2018 08:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	63.3	47.4	142.2
145	16.3	15.9	47.7

Manual Integrations
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