

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080118\
 Data File : VU025755.D
 Acq On : 31 Jul 2018 21:38
 Operator : MD/SY
 Sample : VU0801MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 9:40:58 AM

Quant Time: Aug 01 06:02:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 16:07:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	176717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270871	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165380	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	142562	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	4.89	113	115774	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	7.57	98	410393	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	10.31	95	159202	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	57899	21.678	ug/l	98
3) Chloromethane	1.33	50	50494	19.779	ug/l	100
4) Vinyl Chloride	1.41	62	49714	20.693	ug/l	97
5) Bromomethane	1.63	94	24989	21.296	ug/l	97
6) Chloroethane	1.70	64	28278	20.130	ug/l	94
7) Trichlorofluoromethane	1.89	101	73141	21.057	ug/l	100
8) Diethyl Ether	2.10	74	26751	21.285	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42373	21.080	ug/l	98
10) Methyl Iodide	2.41	142	27252	20.632	ug/l	100
11) Tert butyl alcohol	2.83	59	55683	92.369	ug/l	98
12) 1,1-Dichloroethene	2.28	96	38298	20.184	ug/l	97
13) Acrolein	2.19	56	26338	119.580	ug/l	96
14) Allyl chloride	2.59	41	65983	19.351	ug/l	99
15) Acrylonitrile	2.94	53	126902	105.435	ug/l	98
16) Acetone	2.32	43	116420	86.724	ug/l	99
17) Carbon Disulfide	2.48	76	119407	19.445	ug/l	99
18) Methyl Acetate	2.62	43	80110	24.794	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	148408	21.584	ug/l	100
20) Methylene Chloride	2.70	84	48284	20.295	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	45341	20.672	ug/l	99
22) Diisopropyl ether	3.57	45	143385	21.339	ug/l	98
23) Vinyl Acetate	3.53	43	602071	102.816	ug/l	99
24) 1,1-Dichloroethane	3.45	63	85590	21.220	ug/l	98
25) 2-Butanone	4.27	43	180016	98.509	ug/l	98
26) 2,2-Dichloropropane	4.23	77	65955	17.990	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	51965	21.014	ug/l	96
28) Bromochloromethane	4.55	49	37700	20.905	ug/l	97
29) Tetrahydrofuran	4.64	42	116915	106.789	ug/l	97
30) Chloroform	4.68	83	88281	20.735	ug/l	99
31) Cyclohexane	5.00	56	73402	20.112	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	83184	21.701	ug/l	99
36) 1,1-Dichloropropene	5.14	75	63787	20.150	ug/l	97
37) Ethyl Acetate	4.38	43	69069	21.042	ug/l	99
38) Carbon Tetrachloride	5.14	117	72022	20.087	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	72764	20.062	ug/l	98
40) Benzene	5.39	78	186770	20.185	ug/l	98
41) Methacrylonitrile	4.55	41	37838	20.755	ug/l	98
42) 1,2-Dichloroethane	5.41	62	72259	20.281	ug/l	99
43) Isopropyl Acetate	5.55	43	110610	20.393	ug/l	99
44) Trichloroethene	6.19	130	52668	20.439	ug/l	96
45) 1,2-Dichloropropane	6.44	63	49406	20.473	ug/l	100
46) Dibromomethane	6.56	93	35656	20.391	ug/l	99
47) Bromodichloromethane	6.76	83	67887	20.353	ug/l	99
48) Methyl methacrylate	6.63	41	55196	20.763	ug/l	99
49) 1,4-Dioxane	6.62	88	23486	363.046	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	348702	102.686	ug/l	100
52) Toluene	7.64	92	117839	20.499	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	76618	20.458	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	78581	20.426	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	48015	20.099	ug/l	99
56) Ethyl methacrylate	8.02	69	71225	20.867	ug/l	97
57) 1,3-Dichloropropane	8.25	76	83371	20.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	134982	91.933	ug/l	100
59) 2-Hexanone	8.36	43	267330	100.428	ug/l	99
60) Dibromochloromethane	8.48	129	56226	19.958	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52999	19.948	ug/l	95
64) Tetrachloroethene	8.23	164	48044	20.880	ug/l	97
65) Chlorobenzene	9.12	112	137478	20.397	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	52011	21.332	ug/l	99
67) Ethyl Benzene	9.25	91	229166	20.526	ug/l	99
68) m/p-Xylenes	9.38	106	180224	42.047	ug/l	98
69) o-Xylene	9.78	106	86457	20.639	ug/l	98
70) Styrene	9.80	104	138559	20.477	ug/l	99
71) Bromoform	9.96	173	42186	19.954	ug/l #	99
73) Isopropylbenzene	10.17	105	234610	20.785	ug/l	100
74) N-amyl acetate	10.01	43	95231	20.666	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	77967	19.974	ug/l	96
76) 1,2,3-Trichloropropane	10.50	75	71074m	19.505	ug/l	
77) Bromobenzene	10.45	156	63411	20.367	ug/l	99
78) n-propylbenzene	10.59	91	270468	20.530	ug/l	98
79) 2-Chlorotoluene	10.66	91	160370	20.783	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	199992	20.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.52	75	19397m	13.348	ug/l	
82) 4-Chlorotoluene	10.77	91	189635	20.848	ug/l	99
83) tert-Butylbenzene	11.10	119	194639	20.436	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	204820	21.084	ug/l	99
85) sec-Butylbenzene	11.33	105	237824	20.452	ug/l	100
86) p-Isopropyltoluene	11.48	119	213791	20.532	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	117295	20.297	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	118764	19.715	ug/l	98
89) n-Butylbenzene	11.89	91	185907	19.348	ug/l	99
90) Hexachloroethane	12.15	117	36135	19.518	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	117753	20.788	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18560	20.056	ug/l	99

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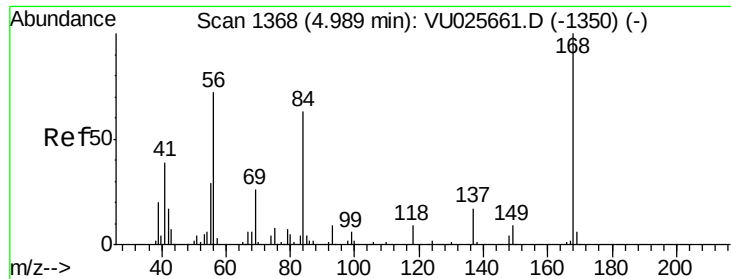
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	79579	20.815	ug/l	98
94) Hexachlorobutadiene	13.70	225	36392	18.058	ug/l	96
95) Naphthalene	13.74	128	237201	20.083	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79010	20.717	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion:168 Resp: 176717

Ion Ratio Lower Upper

168 100

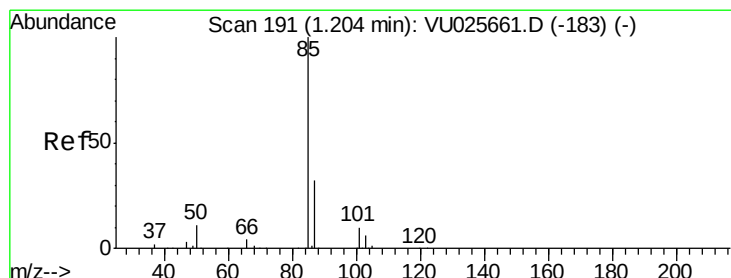
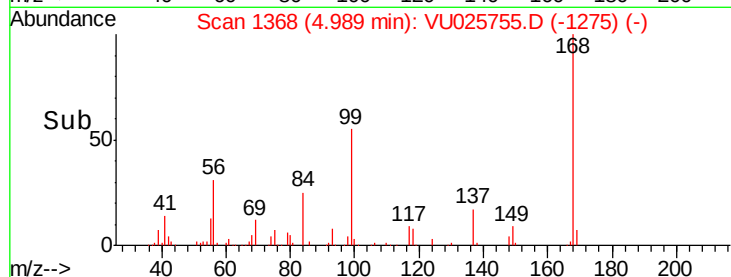
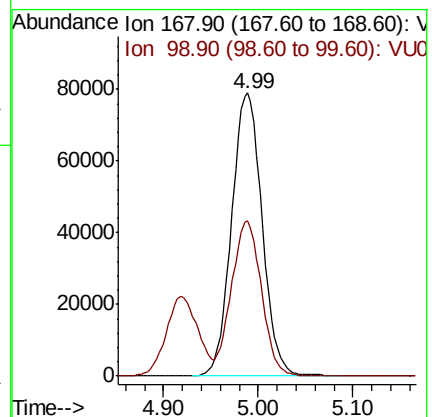
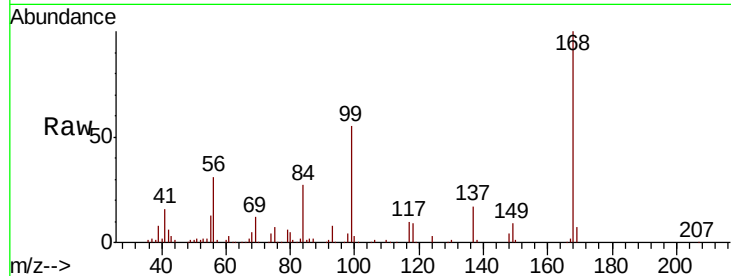
99 55.0 42.8 64.2

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#2

Dichlorodifluoromethane

Concen: 21.678 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025755.D

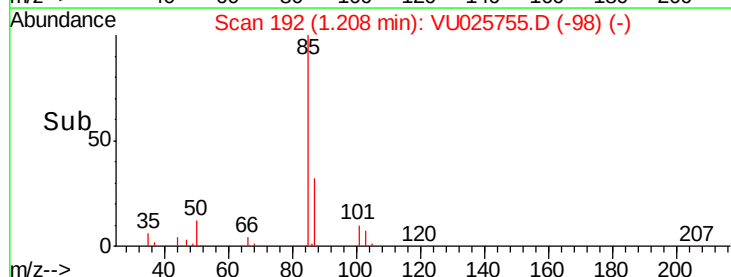
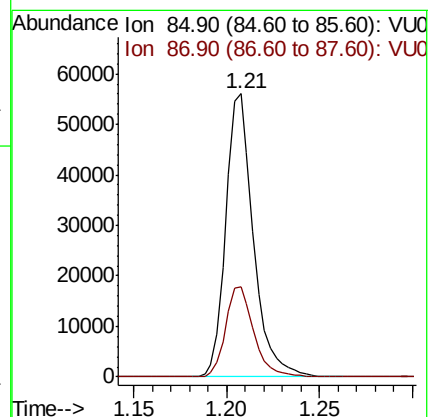
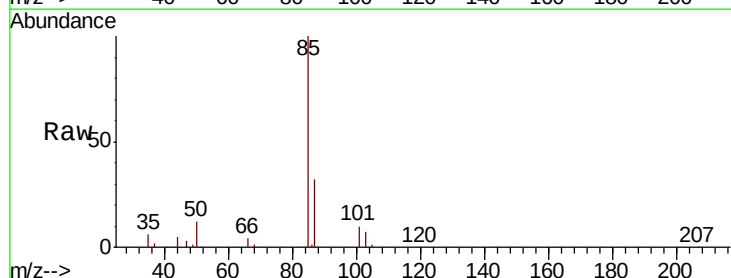
Acq: 31 Jul 2018 21:38

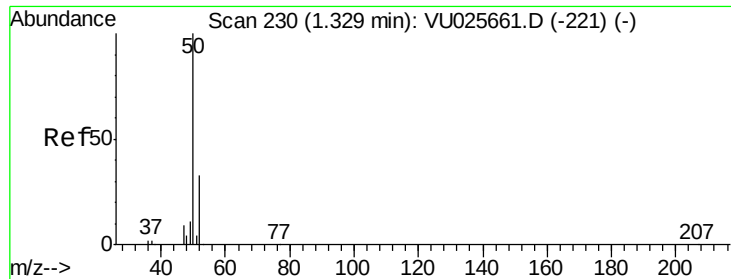
Tgt Ion: 85 Resp: 57899

Ion Ratio Lower Upper

85 100

87 32.0 16.5 49.5





#3

Chloromethane

Concen: 19.779 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 50 Resp: 50494

Ion Ratio Lower Upper

50 100

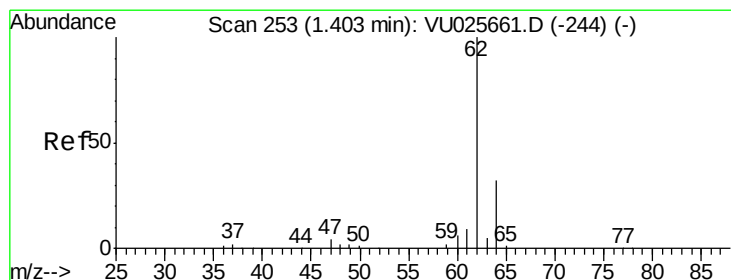
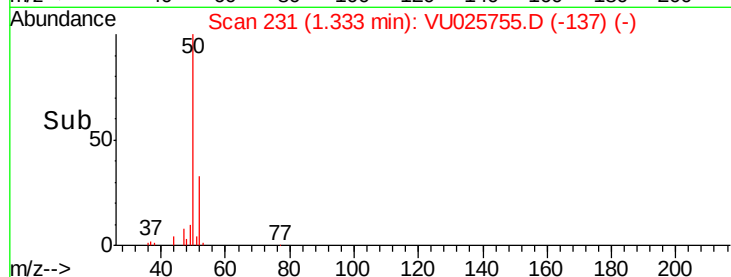
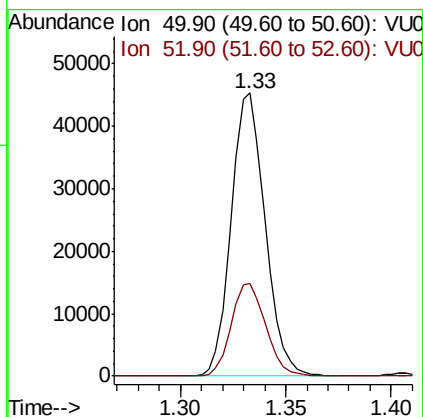
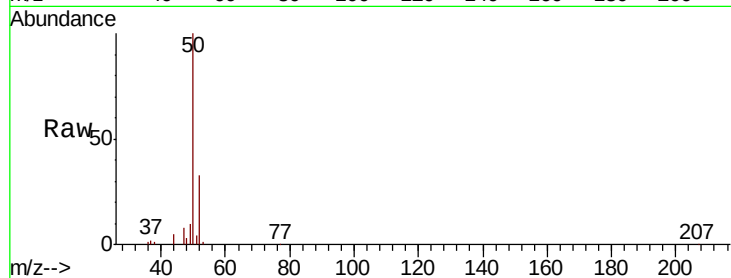
52 32.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.693 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025755.D

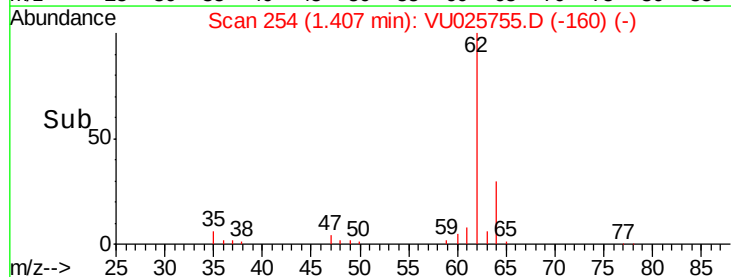
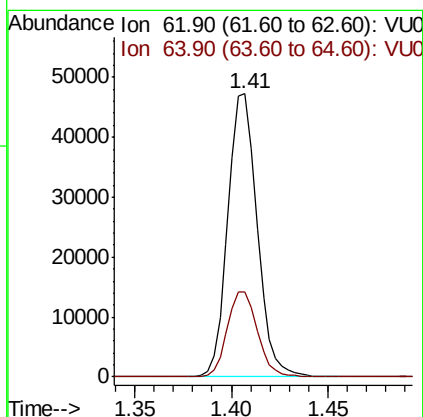
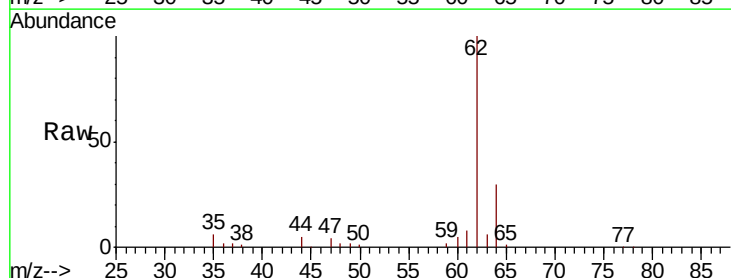
Acq: 31 Jul 2018 21:38

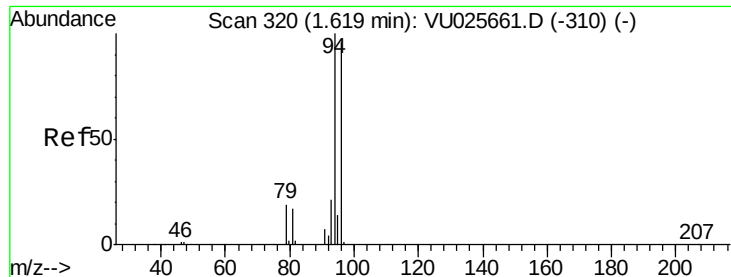
Tgt Ion: 62 Resp: 49714

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.0





#5

Bromomethane

Concen: 21.296 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 94 Resp: 24989

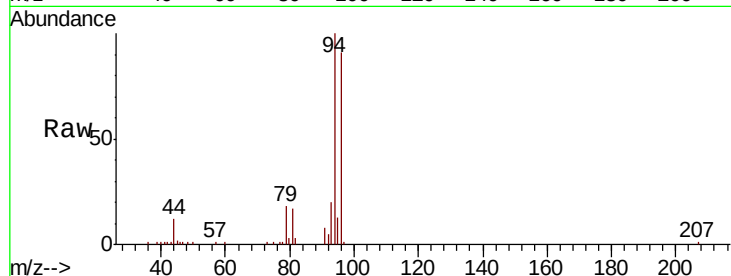
Ion Ratio Lower Upper

94 100

96 90.7 75.0 112.4

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Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

Ion 95.90 (95.60 to 96.60): VU025661.D (-310) (-)

1.63

20000

15000

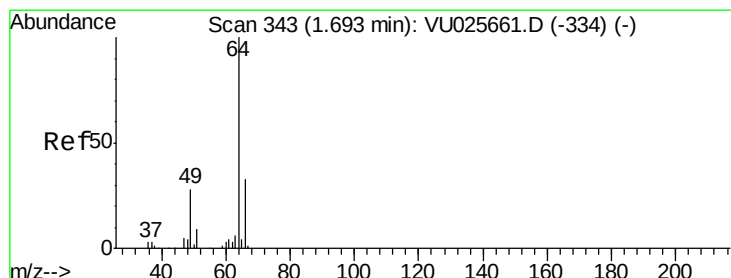
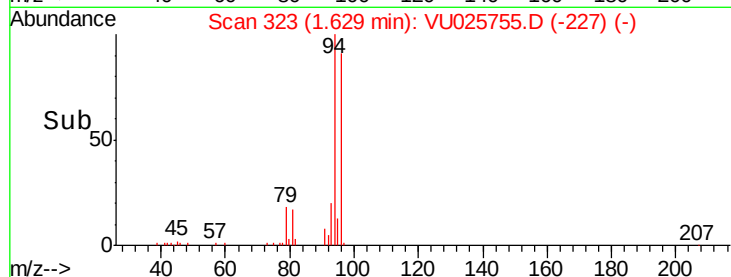
10000

5000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 20.130 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025755.D

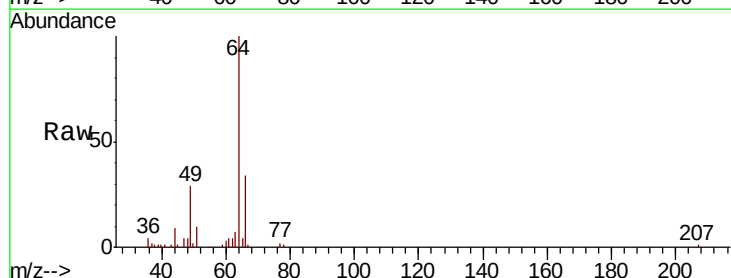
Acq: 31 Jul 2018 21:38

Tgt Ion: 64 Resp: 28278

Ion Ratio Lower Upper

64 100

66 34.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

25000

20000

15000

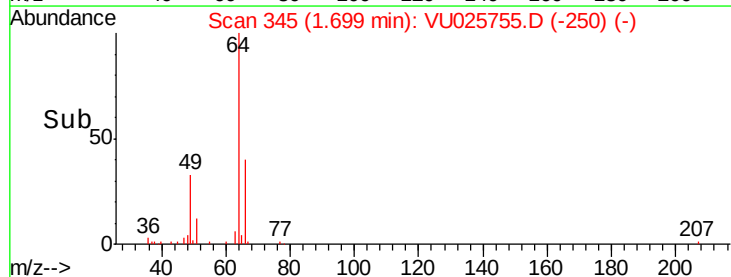
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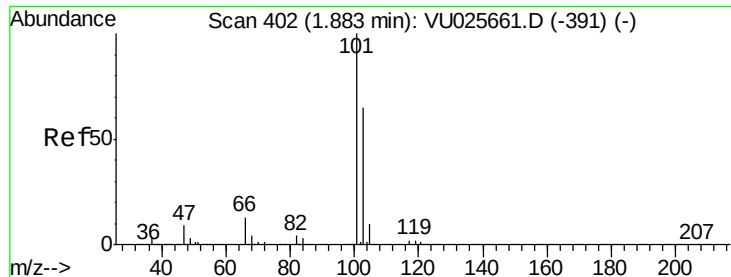
5000

0

Time-->

1.65 1.70 1.75





#7

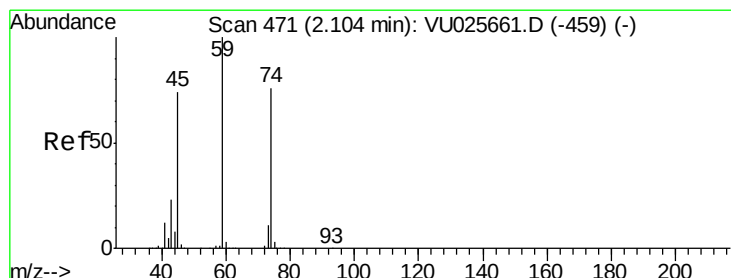
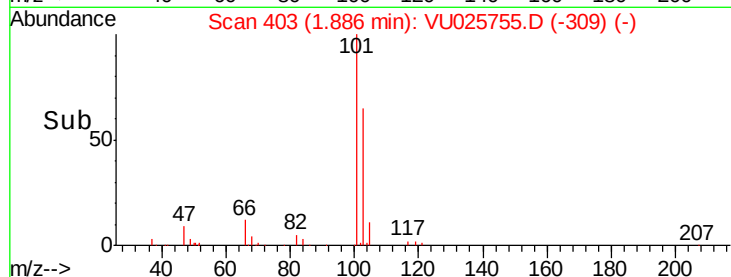
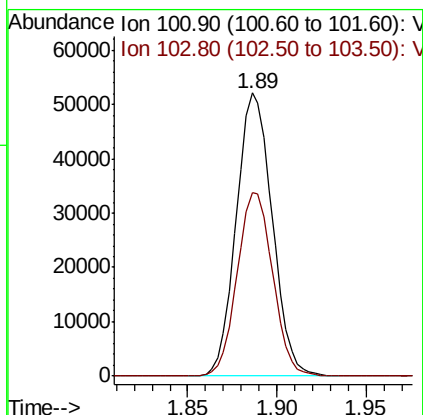
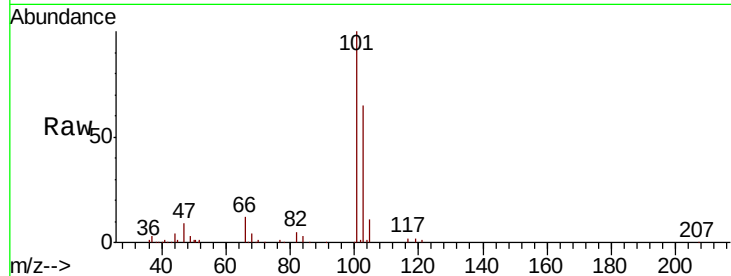
Trichlorofluoromethane
Concen: 21.057 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.2	78.2

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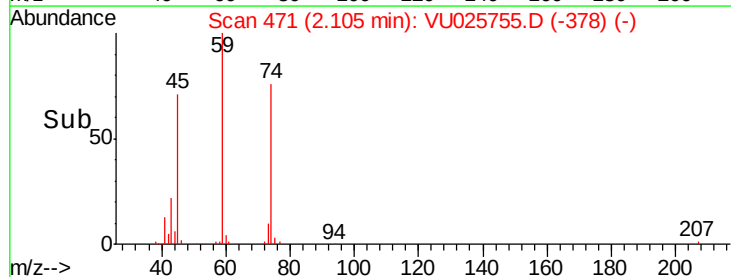
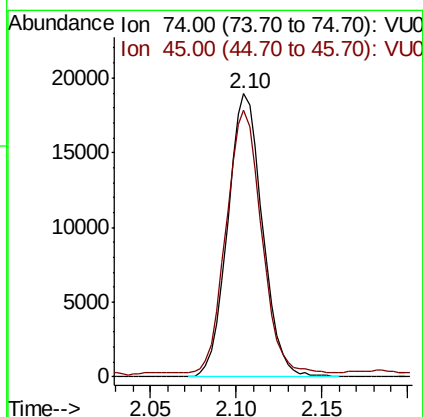
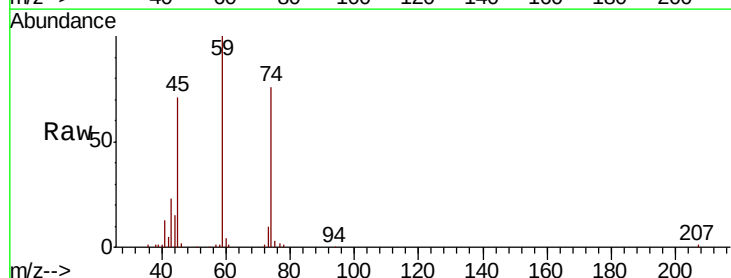
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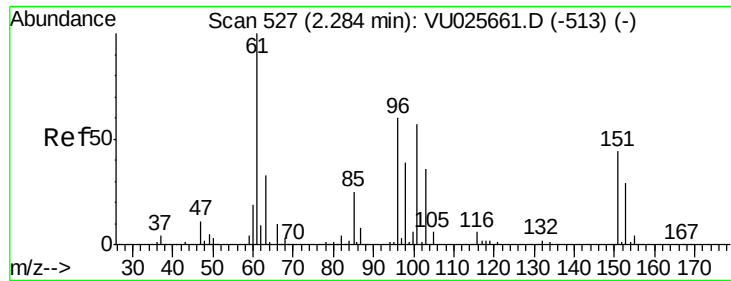


#8

Diethyl Ether
Concen: 21.285 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.080 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

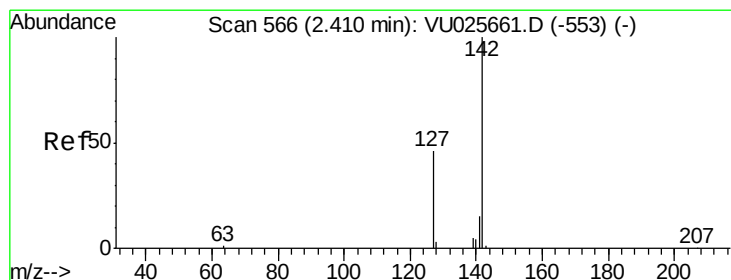
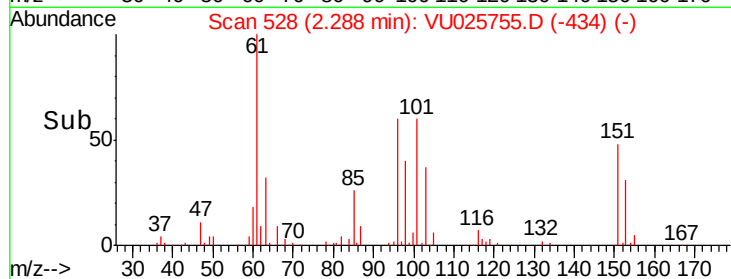
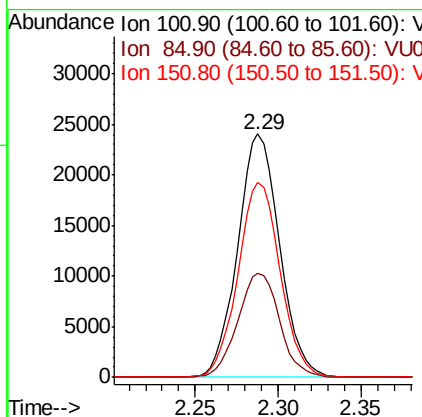
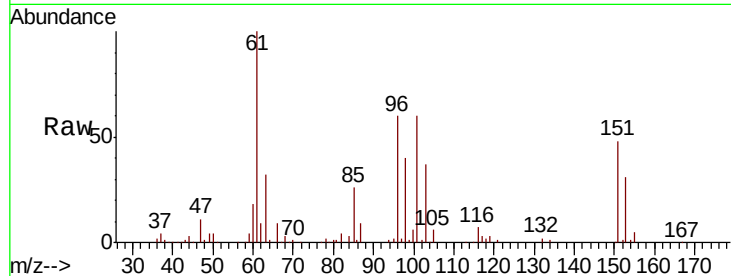
ClientSampleId :

VU0801MBS01

Tot Ion:	101	Resp:	42373
Ion Ratio	Lower	Upper	
101	100		
85	42.4	36.0	54.0
151	80.7	65.6	98.4

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#10

Methyl Iodide

Concen: 20.632 ug/l

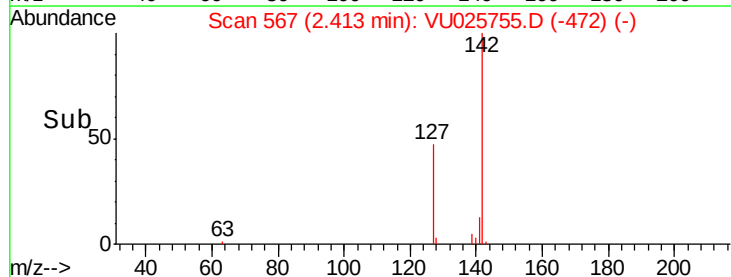
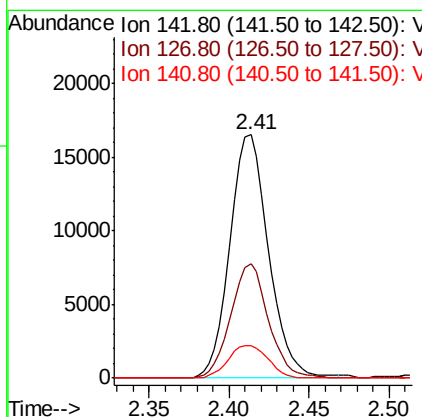
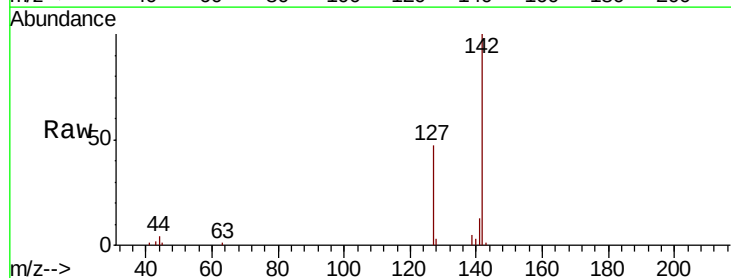
RT: 2.41 min Scan# 567

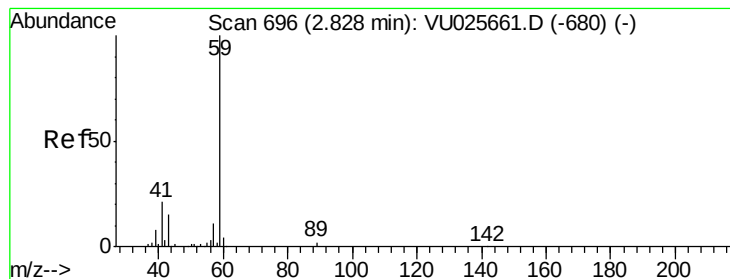
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	142	Resp:	27252
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.5	54.7
141	13.7	11.4	17.2





#11

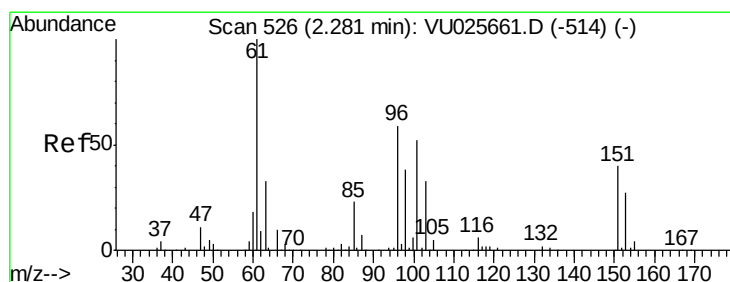
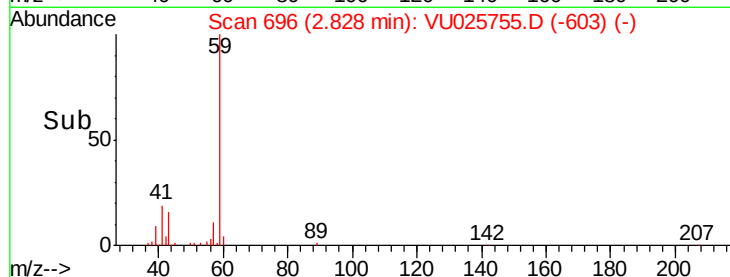
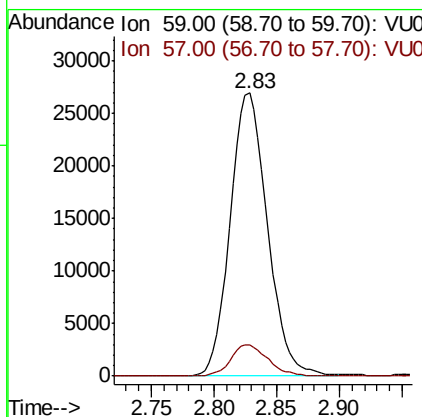
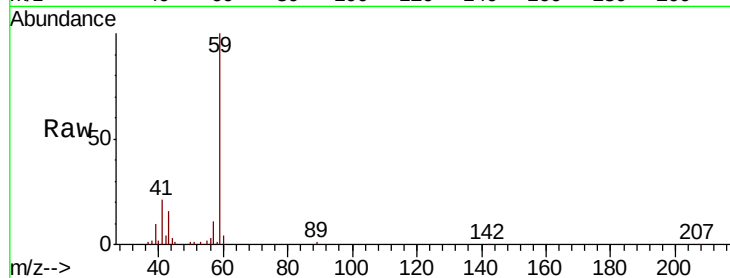
Tert butyl alcohol
Concen: 92.369 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	59	Resp	55683
Ion Ratio	100	Lower	Upper
57	11.0	8.2	12.2

Manual Integrations
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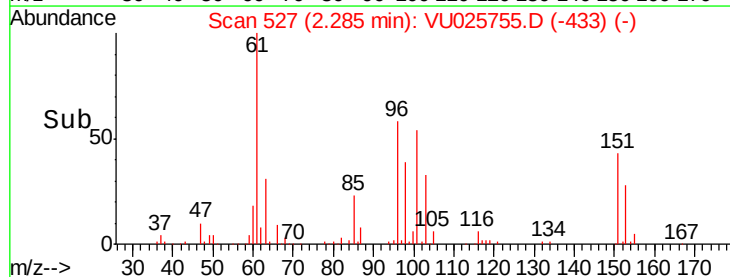
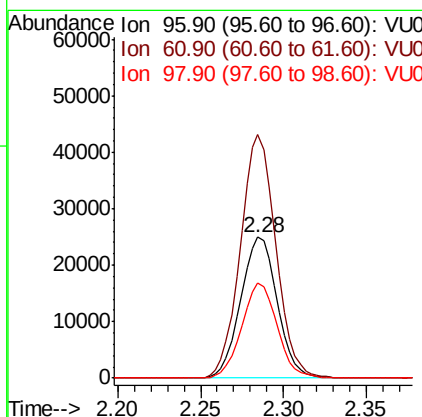
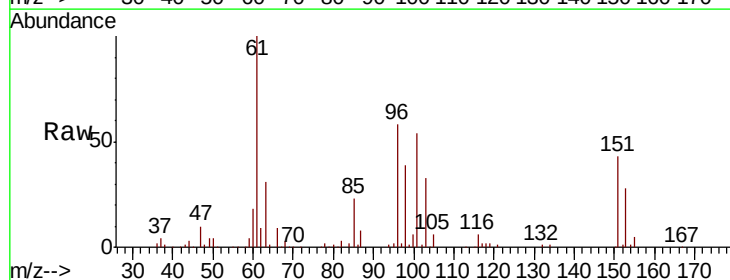
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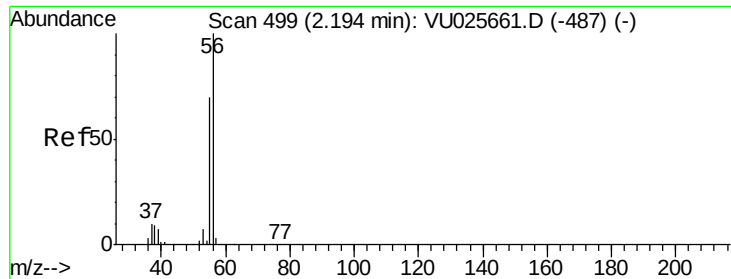


#12

1,1-Dichloroethene
Concen: 20.184 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	96	Resp	38298
Ion Ratio	100	Lower	Upper
61	172.9	140.2	210.4
98	67.1	49.3	73.9





#13

Acrolein

Concen: 119.580 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 56 Resp: 26338

Ion Ratio Lower Upper

56 100

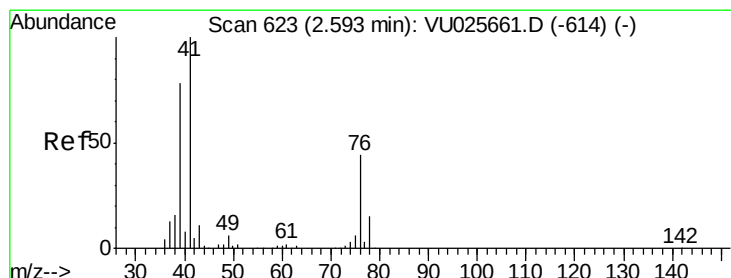
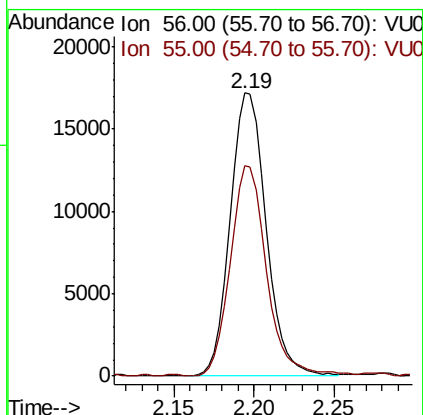
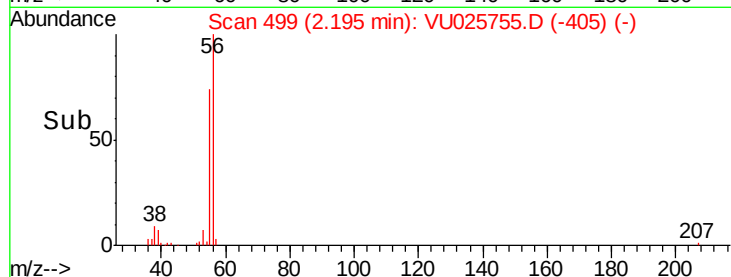
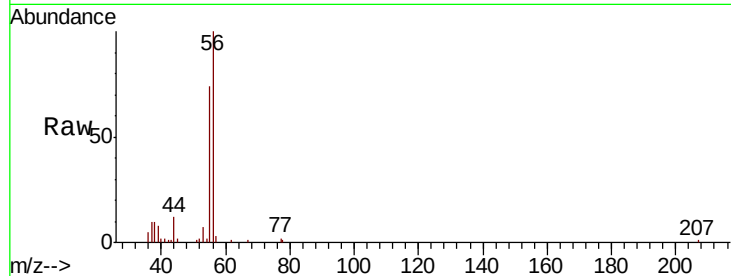
55 75.0 57.2 85.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.351 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

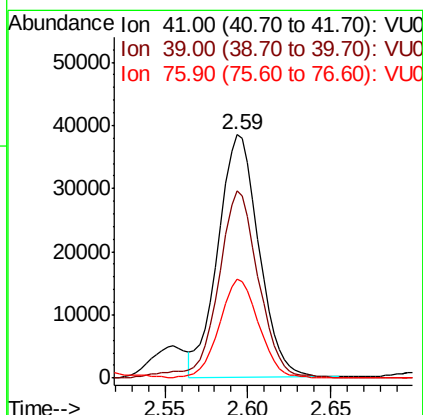
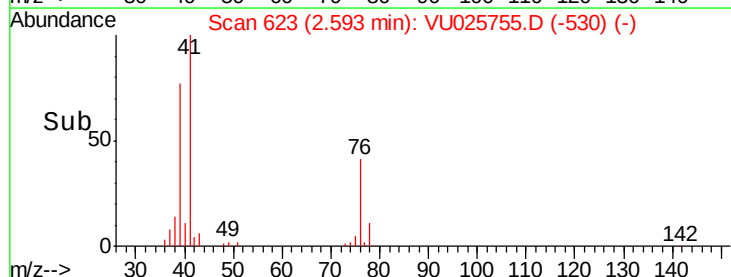
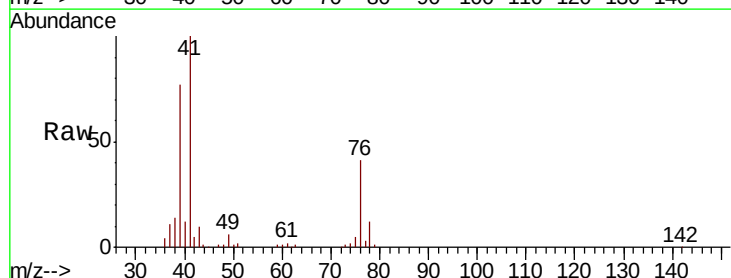
Tgt Ion: 41 Resp: 65983

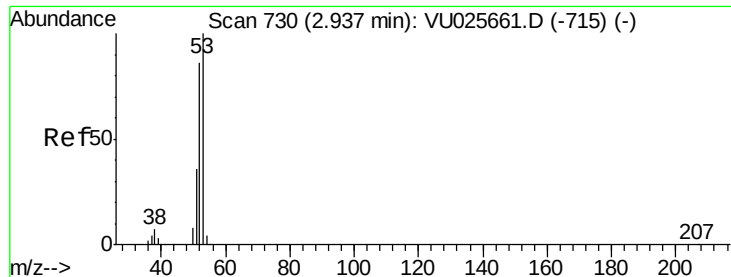
Ion Ratio Lower Upper

41 100

39 76.4 60.6 91.0

76 39.1 30.5 45.7





#15

Acrylonitrile

Concen: 105.435 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

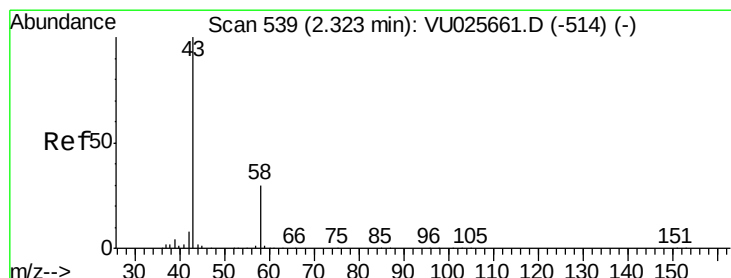
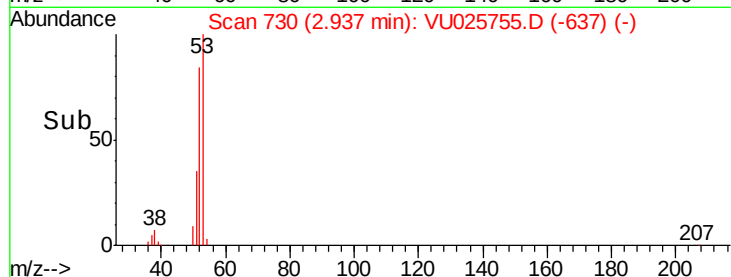
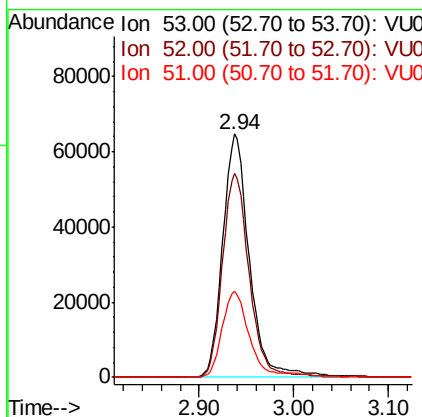
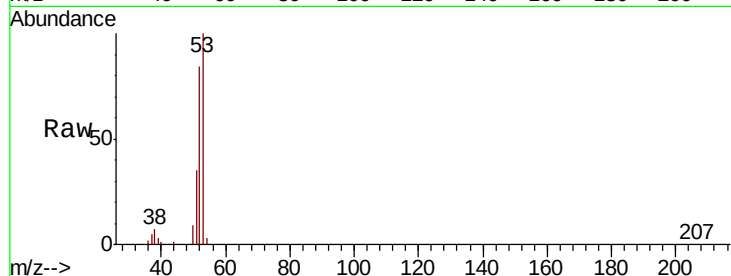
ClientSampleId :

VU0801MBS01

Tot Ion	53	Resp	126902
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.6	99.8
51	35.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 86.724 ug/l

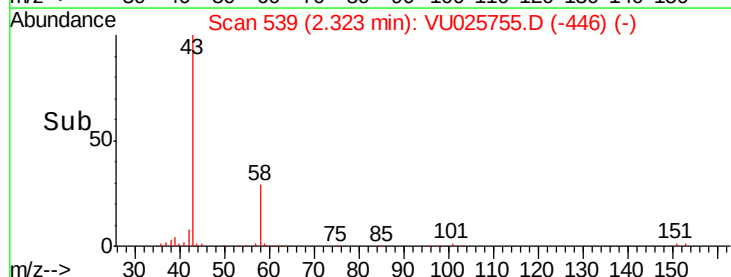
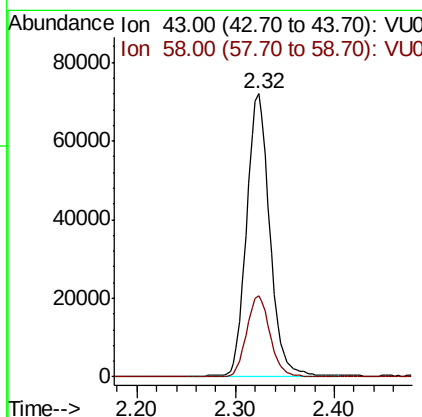
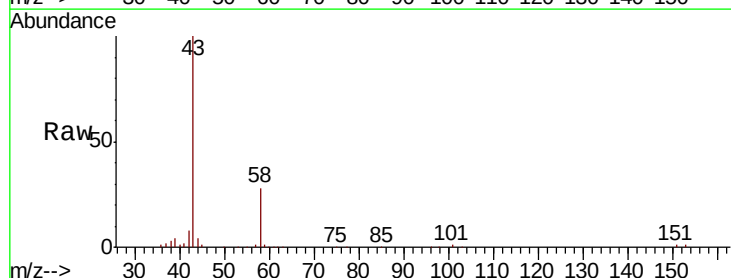
RT: 2.32 min Scan# 539

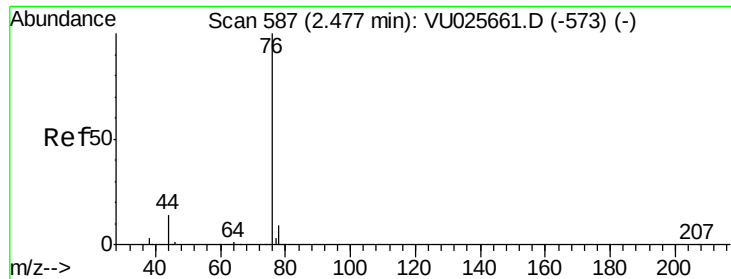
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion	43	Resp	116420
Ion	Ratio	Lower	Upper
43	100		
58	28.5	23.1	34.7





#17

Carbon Disulfide

Concen: 19.445 ug/l

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 76 Resp: 119407

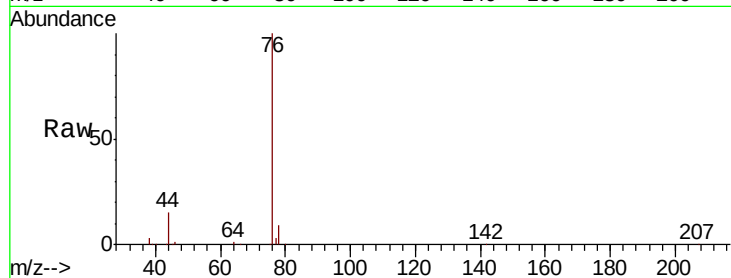
Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VU025755.D (-494) (-)

Ion 77.90 (77.60 to 78.60): VU025755.D (-494) (-)

2.48

80000

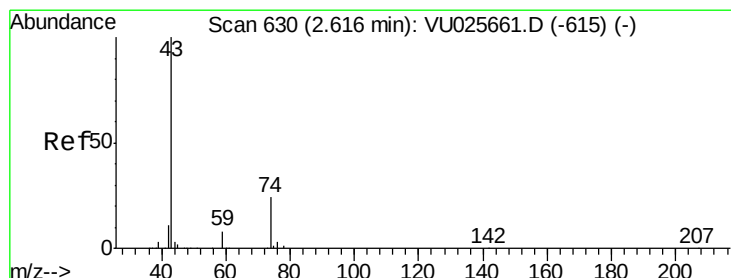
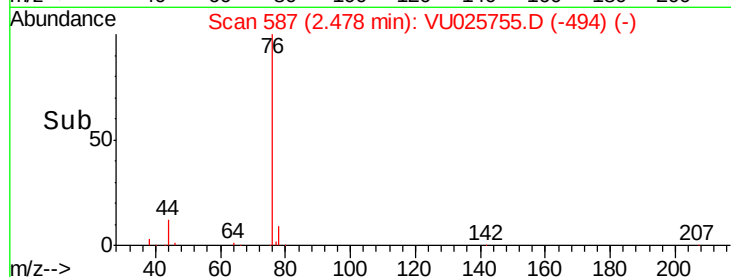
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.794 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025755.D

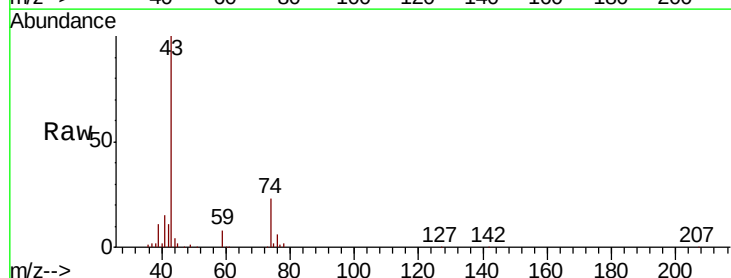
Acq: 31 Jul 2018 21:38

Tgt Ion: 43 Resp: 80110

Ion Ratio Lower Upper

43 100

74 22.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU025755.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU025755.D (-537) (-)

2.62

50000

40000

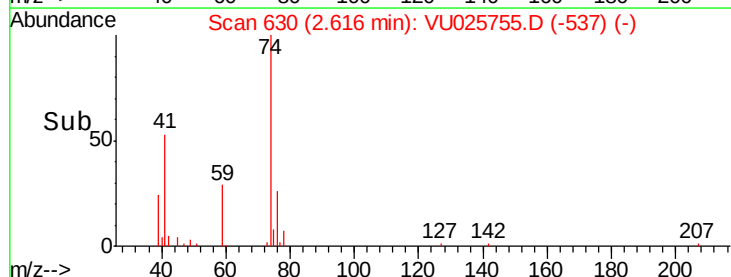
30000

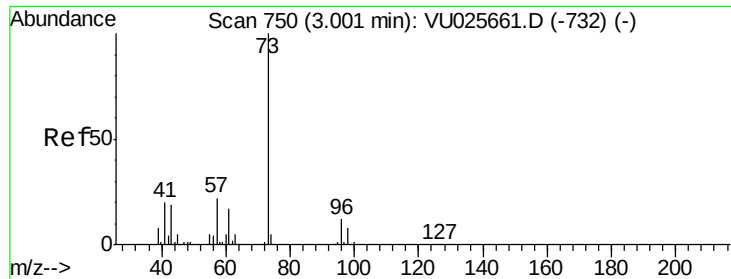
20000

10000

0

Time-->





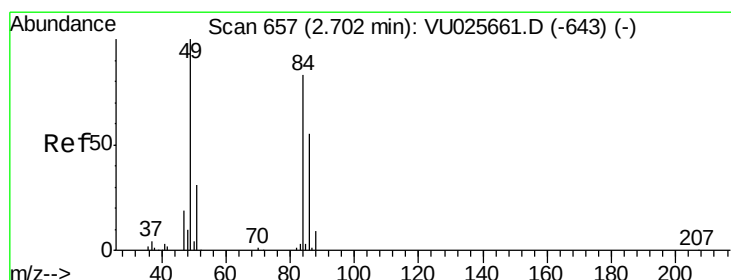
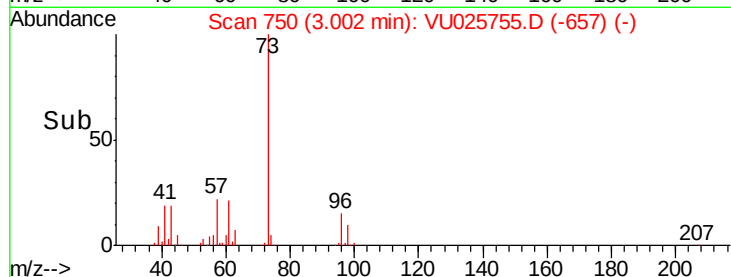
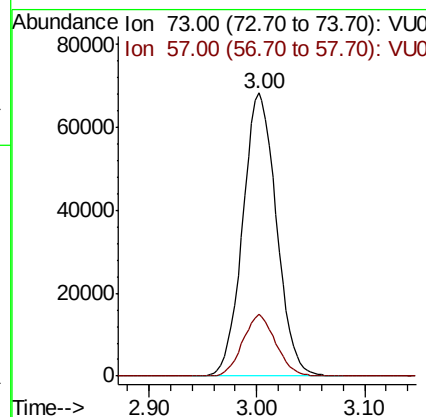
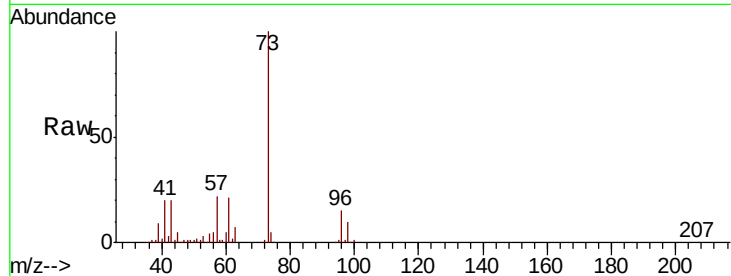
#19
Methyl tert-butyl Ether
Concen: 21.584 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion: 73 Resp: 148408
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2

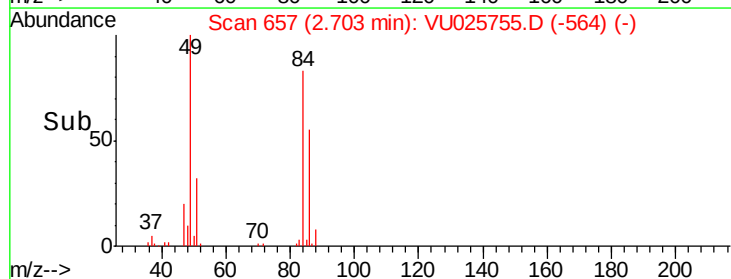
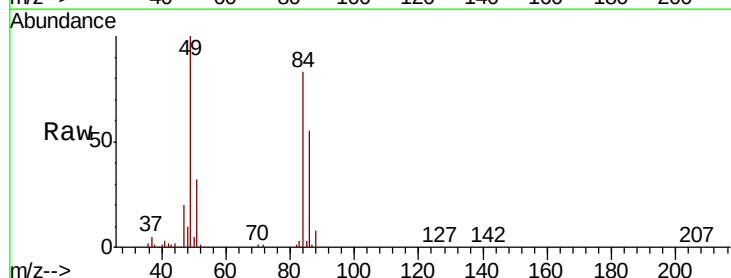
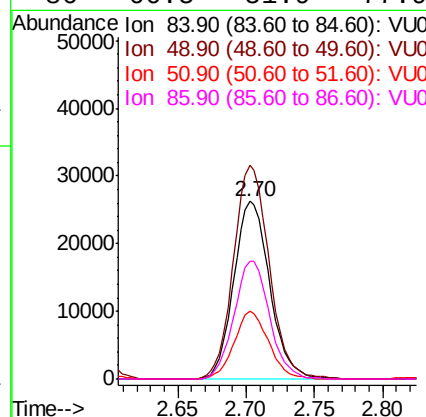
Manual Integrations
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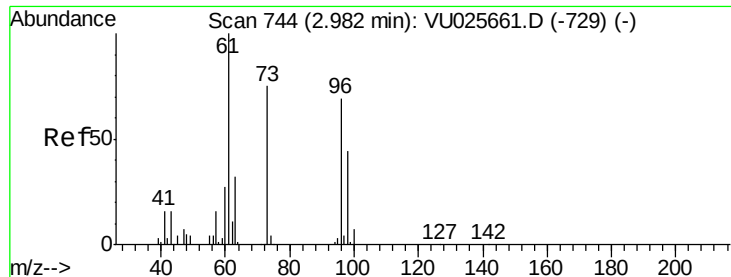
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8/2/2018 9:40:58 AM



#20
Methylene Chloride
Concen: 20.295 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 84 Resp: 48284
Ion Ratio Lower Upper
84 100
49 120.3 101.8 152.6
51 38.0 30.8 46.2
86 66.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.672 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

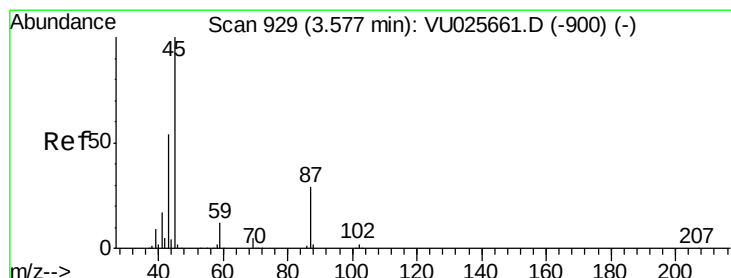
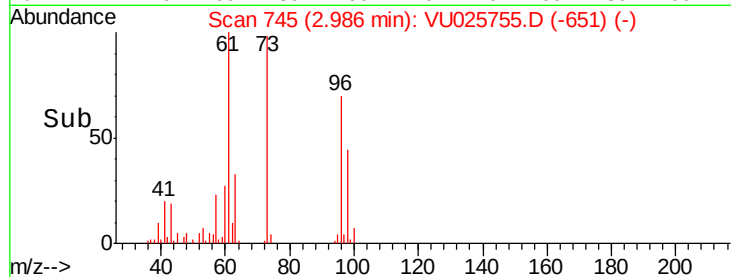
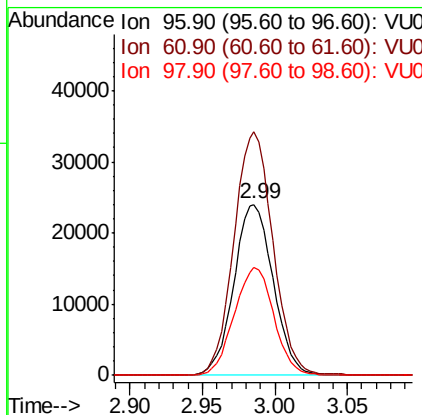
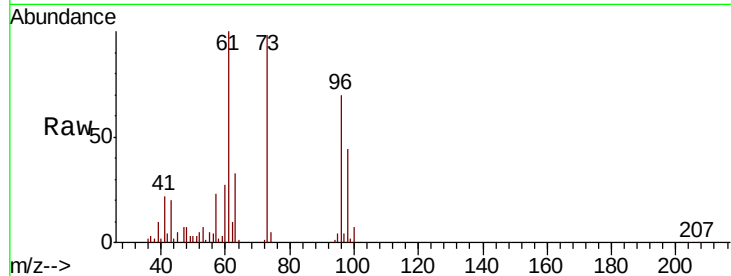
ClientSampleId :

VU0801MBS01

Tot Ion:	96	Resp:	45341
Ion	Ratio	Lower	Upper
96	100		
61	142.1	114.5	171.7
98	62.7	50.5	75.7

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#22

Diisopropyl ether

Concen: 21.339 ug/l

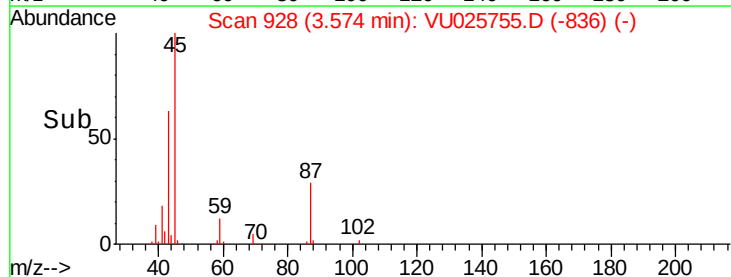
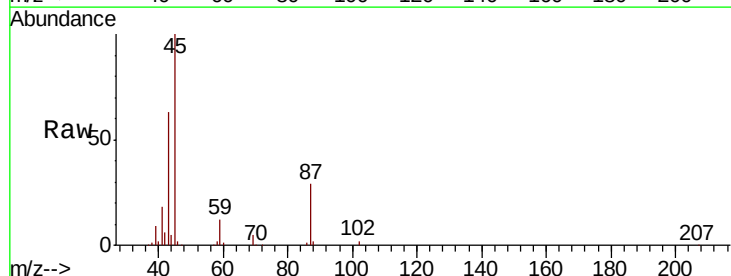
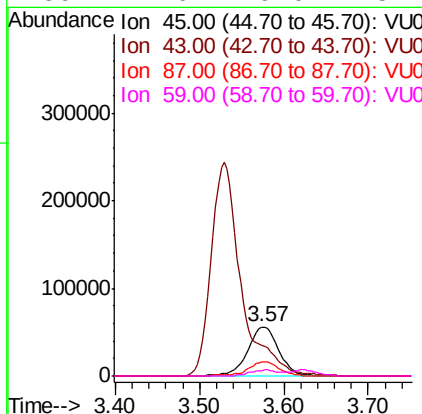
RT: 3.57 min Scan# 928

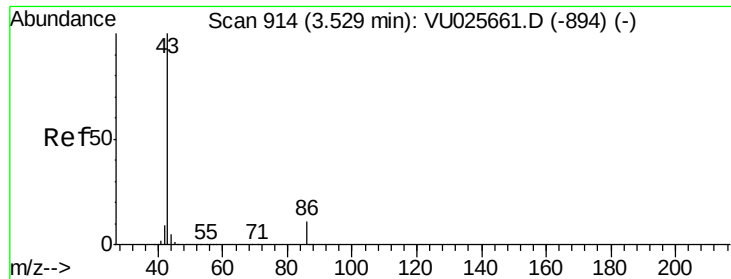
Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	45	Resp:	143385
Ion	Ratio	Lower	Upper
45	100		
43	61.2	50.9	76.3
87	29.0	23.8	35.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 102.816 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 43 Resp: 602071

Ion Ratio Lower Upper

43 100

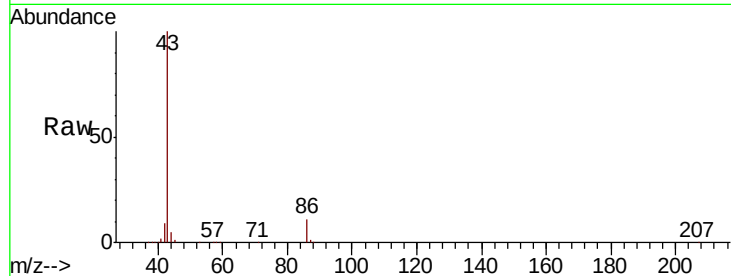
86 10.5 8.2 12.2

Manual Integrations

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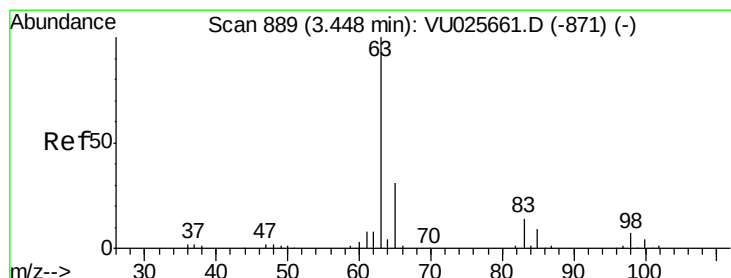
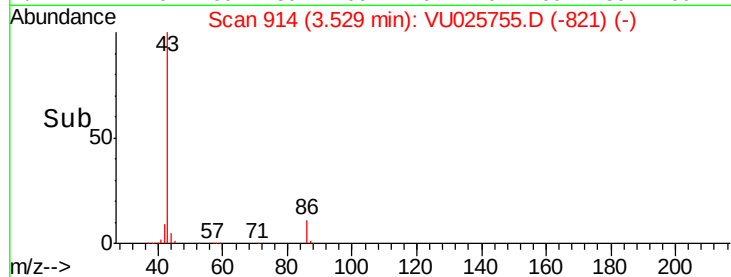
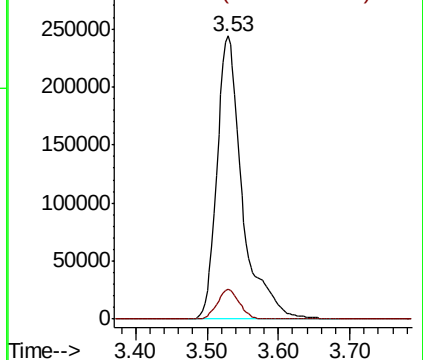
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 21.220 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

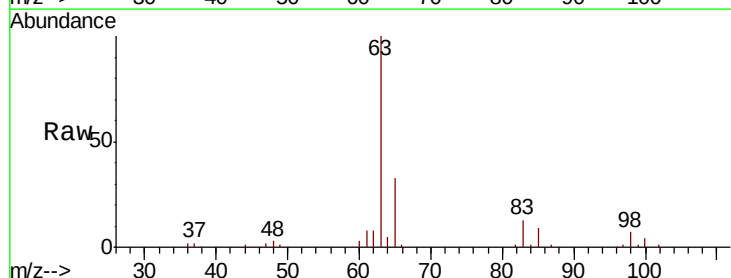
Tgt Ion: 63 Resp: 85590

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

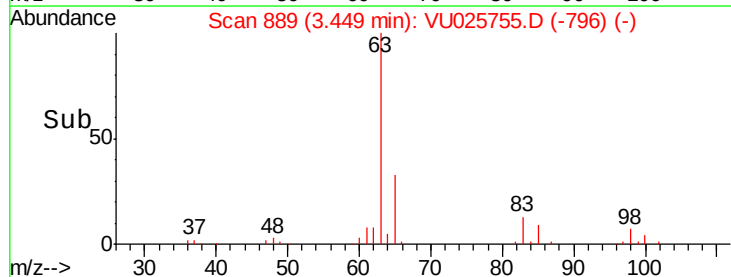
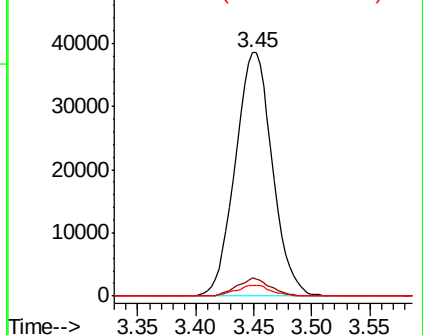
100 4.4 2.0 6.0

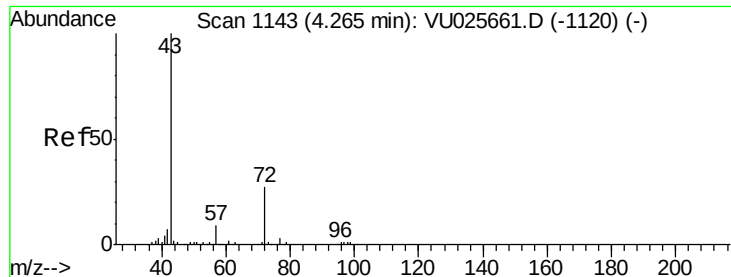


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





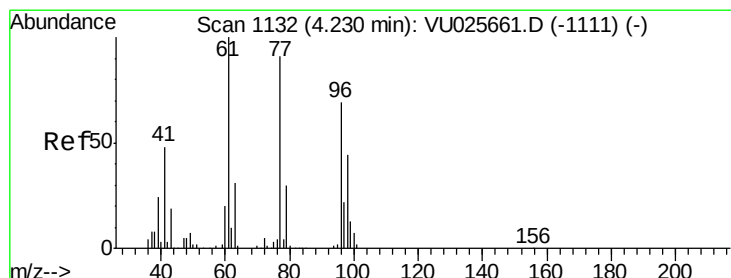
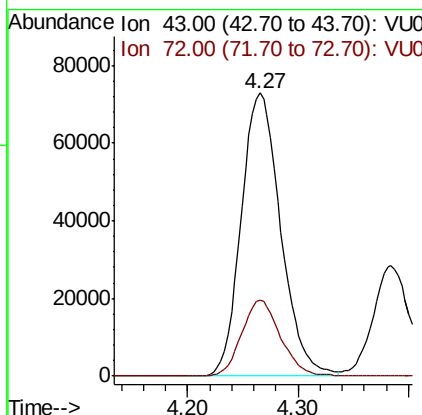
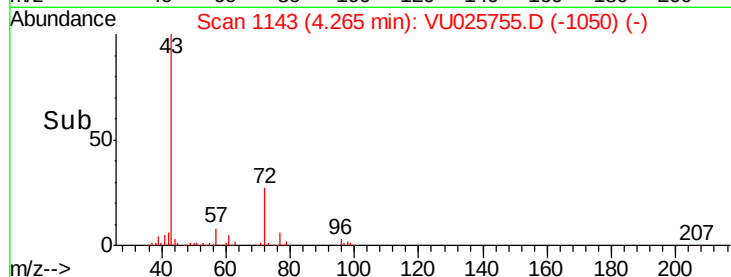
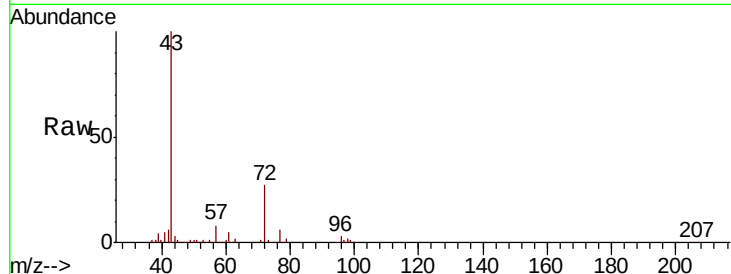
#25
2-Butanone
Concen: 98.509 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion: 43 Resp: 180016
Ion Ratio Lower Upper
43 100
72 27.0 21.0 31.4

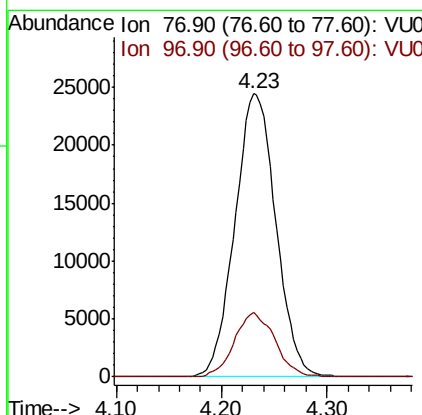
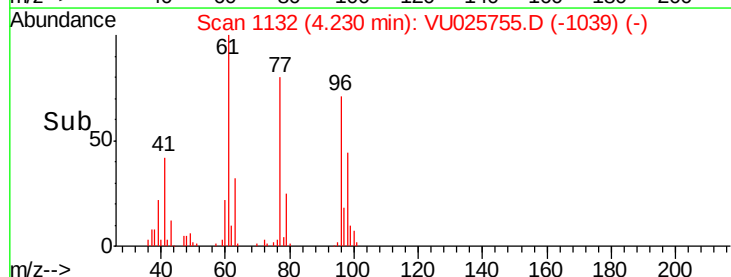
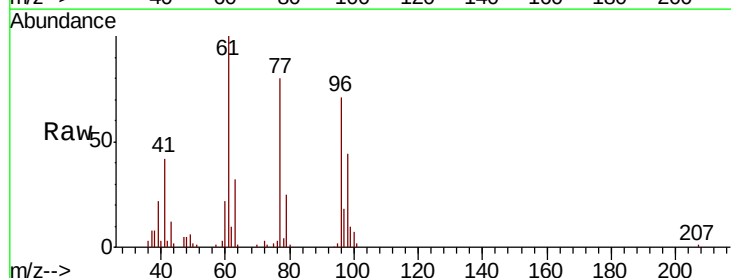
Manual Integrations
APPROVED

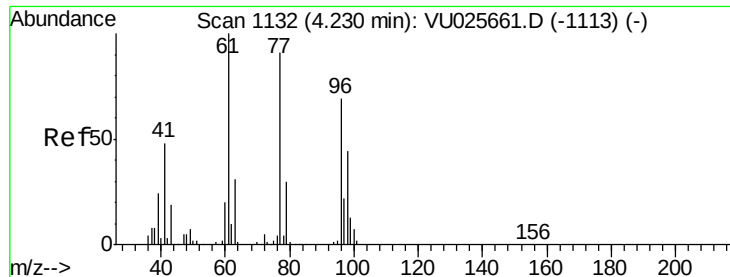
MMDadoda
8/2/2018 9:40:58 AM



#26
2,2-Dichloropropane
Concen: 17.990 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 77 Resp: 65955
Ion Ratio Lower Upper
77 100
97 22.5 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

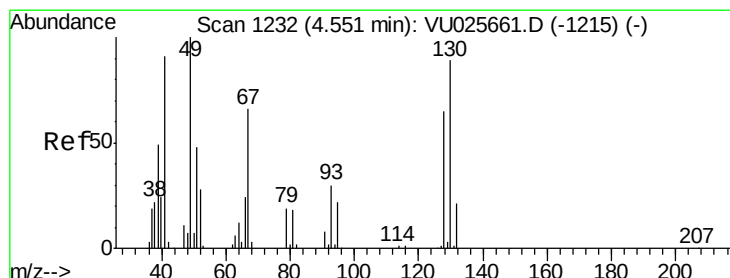
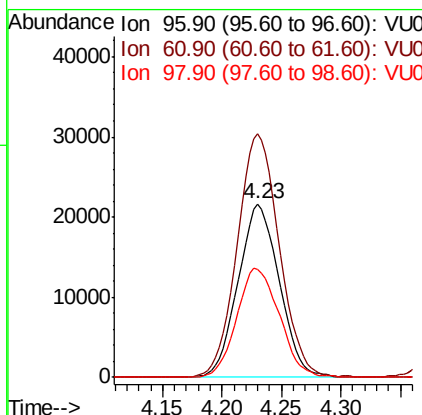
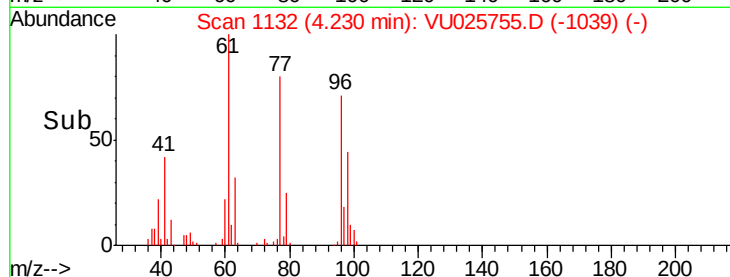
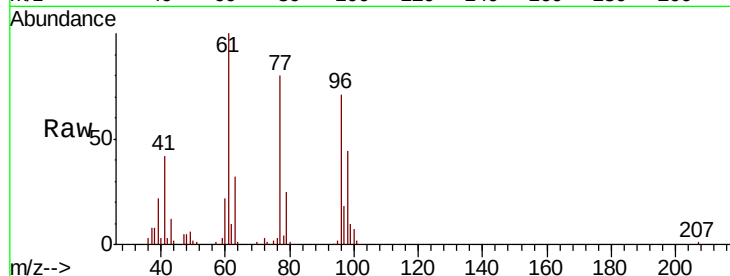
ClientSampleId :

VU0801MBS01

Tot Ion:	96	Resp:	51965
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	299.8
98	65.0	0.0	128.6

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8/2/2018 9:40:58 AM



#28

Bromochloromethane

Concen: 20.905 ug/l

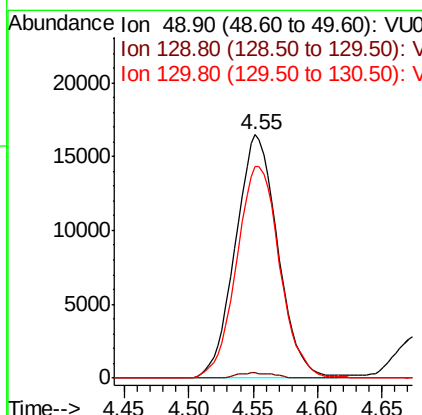
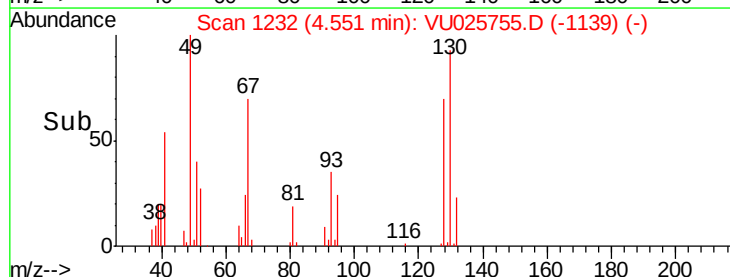
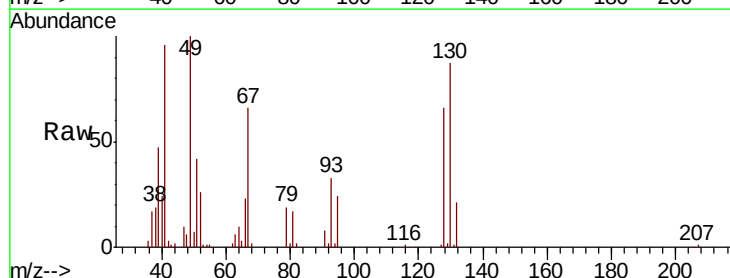
RT: 4.55 min Scan# 1232

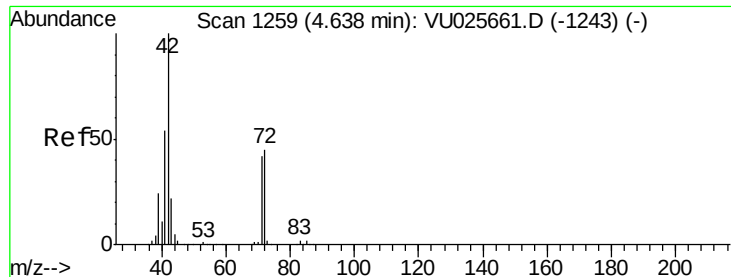
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	49	Resp:	37700
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.6
130	88.3	68.6	102.8





#29

Tetrahydrofuran

Concen: 106.789 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

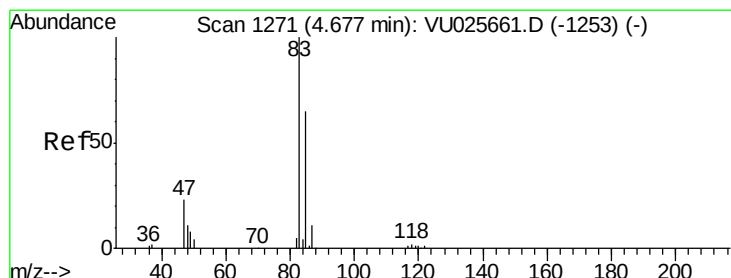
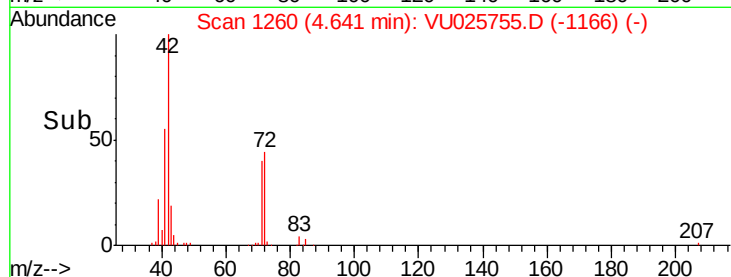
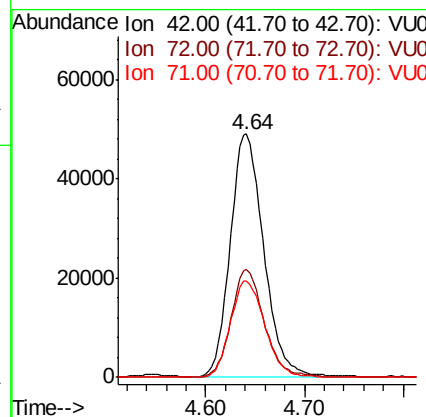
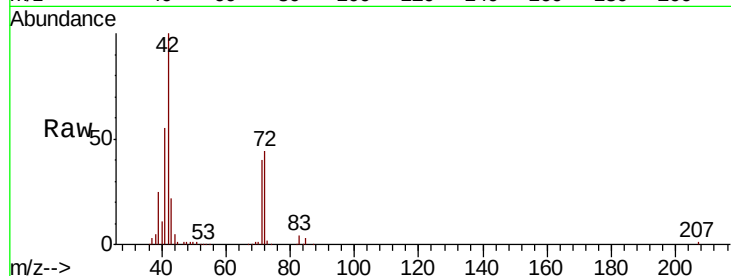
ClientSampleId :

VU0801MBS01

Tot Ion:	42	Resp:	116915
Ion Ratio	Lower	Upper	
42	100		
72	43.6	36.7	55.1
71	40.4	33.9	50.9

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8/2/2018 9:40:58 AM



#30

Chloroform

Concen: 20.735 ug/l

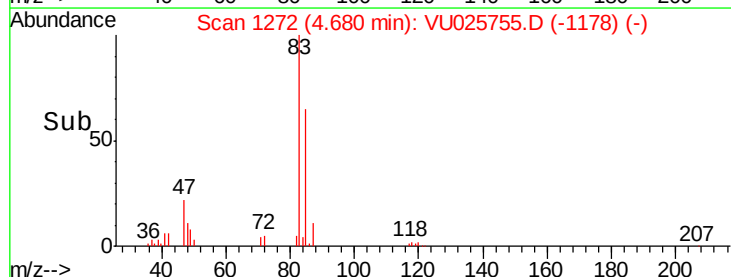
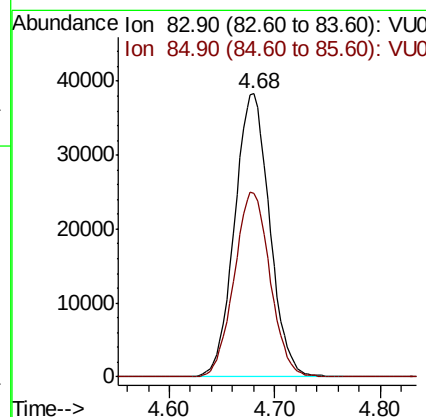
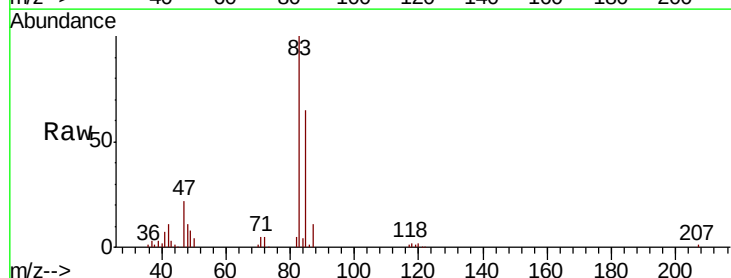
RT: 4.68 min Scan# 1272

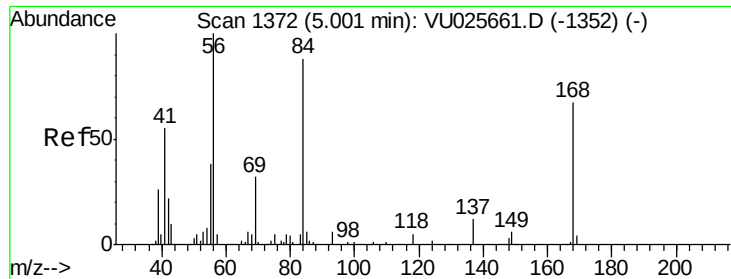
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	83	Resp:	88281
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.5	77.3





#31

Cyclohexane

Concen: 20.112 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

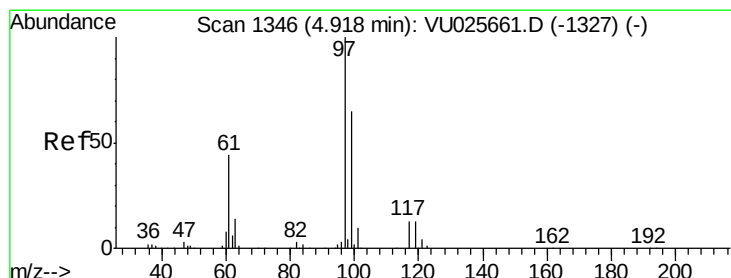
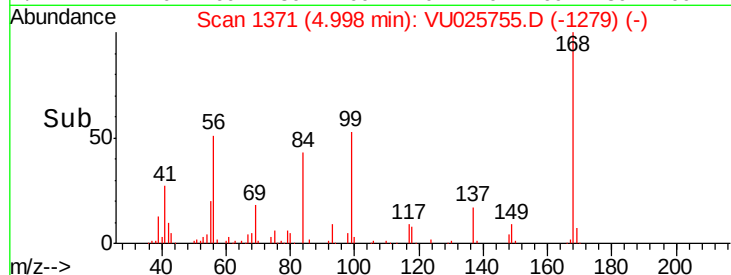
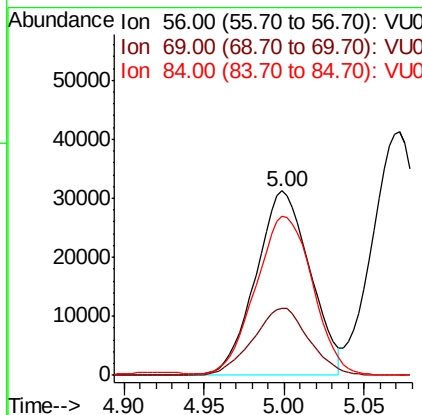
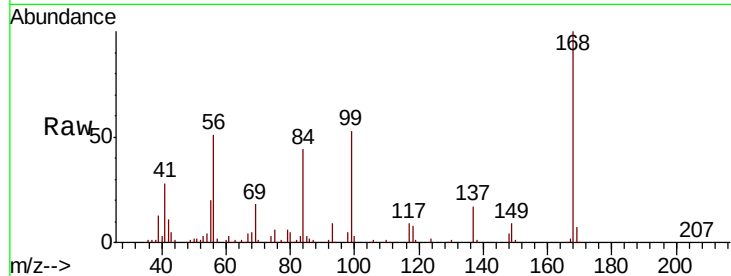
ClientSampled :

VU0801MBS01

Tot Ion:	56	Resp:	73402
Ion Ratio	Lower	Upper	
56	100		
69	36.4	26.8	40.2
84	85.1	69.7	104.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.701 ug/l

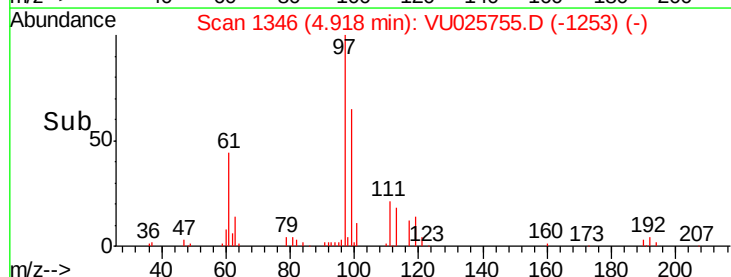
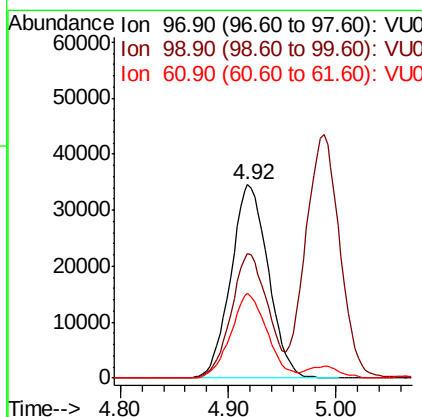
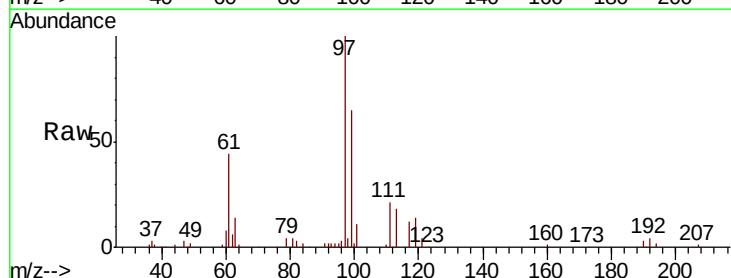
RT: 4.92 min Scan# 1346

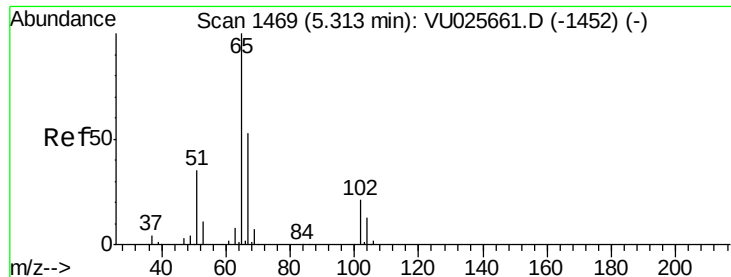
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	97	Resp:	83184
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.8	76.2
61	42.7	35.2	52.8





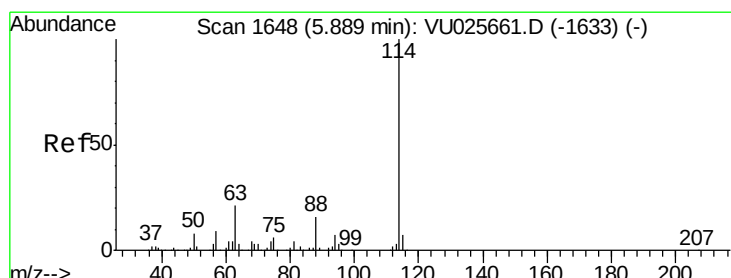
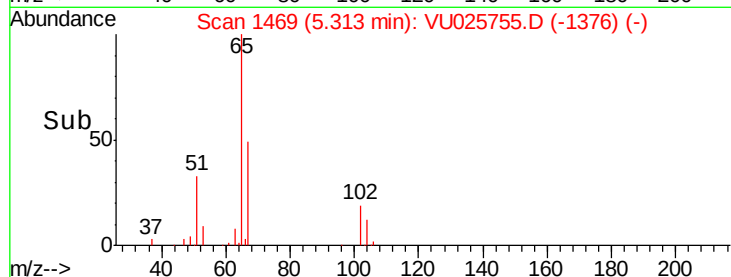
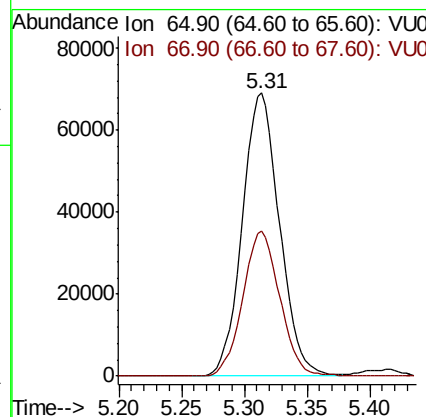
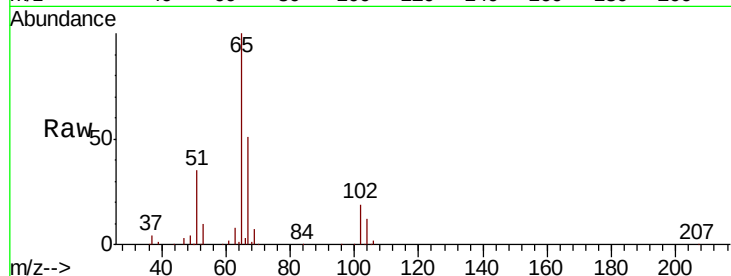
#33
 1,2-Dichloroethane-d4
 Concen: 51.776 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142562		
67	50.8	0.0	103.6	

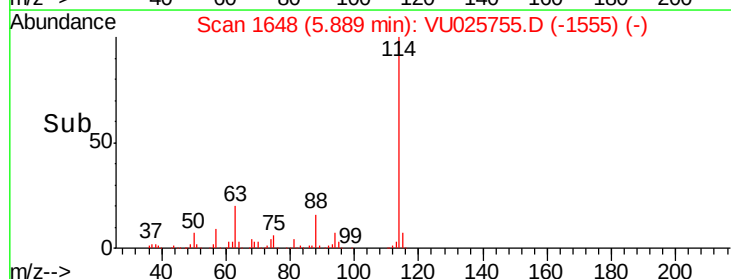
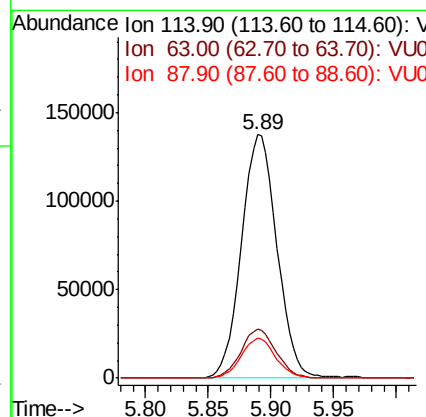
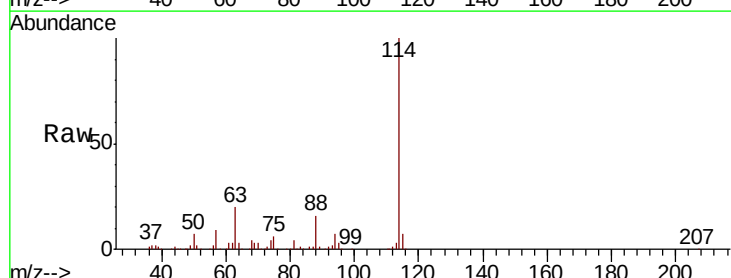
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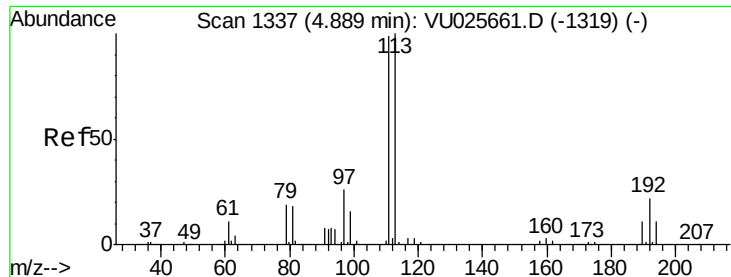
MMDadoda
 8/2/2018 9:40:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	270871		
63	20.1	0.0	41.6	
88	16.2	0.0	32.4	





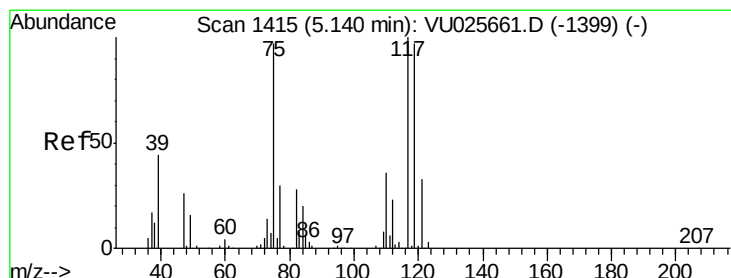
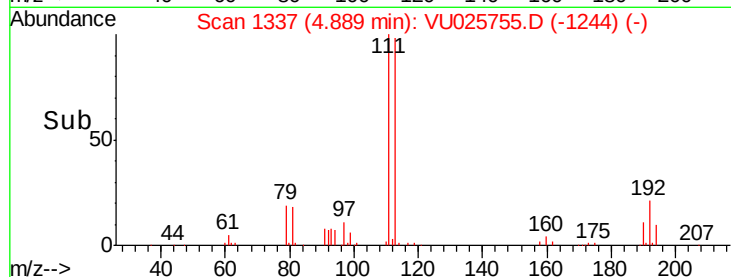
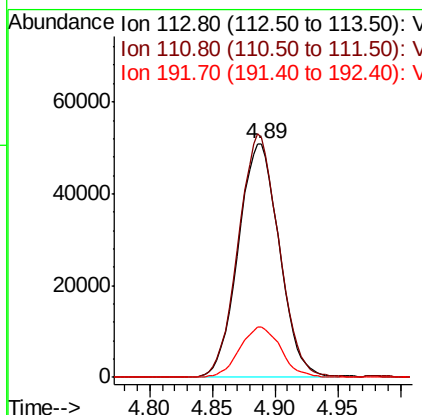
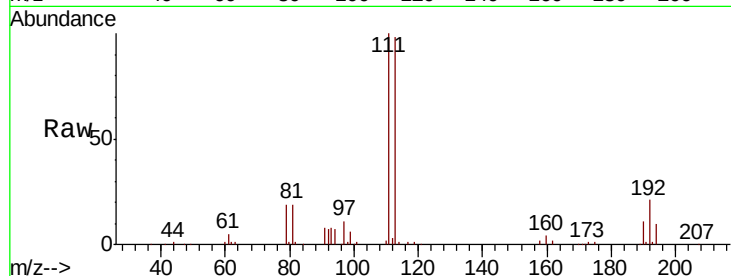
#35
 Dibromofluoromethane
 Concen: 49.142 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115774		
111	102.8	81.7	122.5	
192	21.6	17.1	25.7	

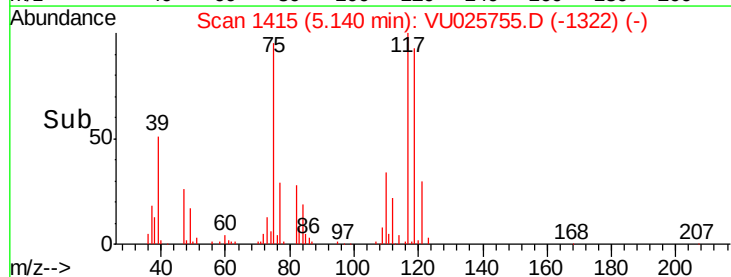
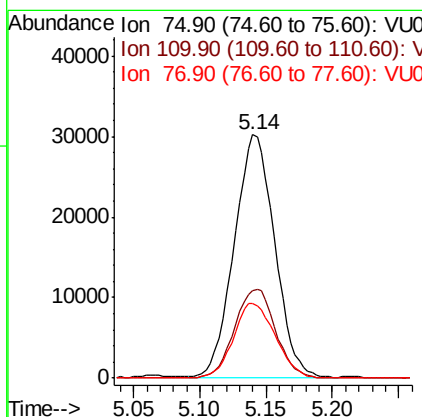
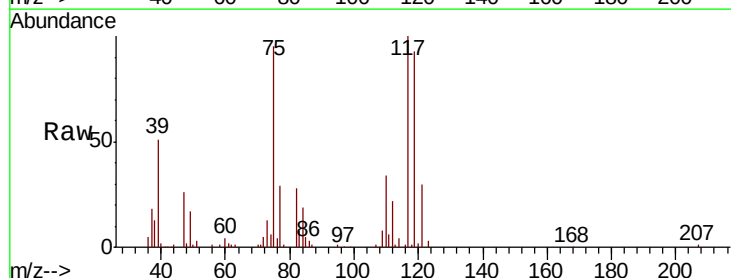
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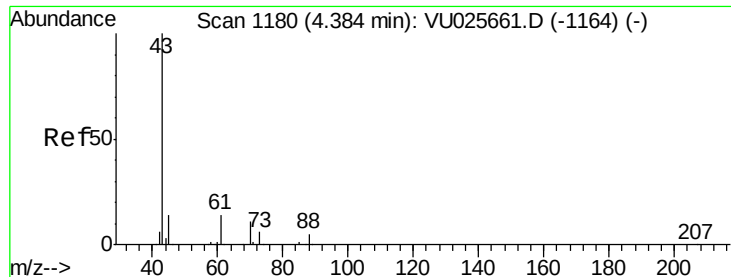
MMDadoda
 8/2/2018 9:40:58 AM



#36
 1,1-Dichloropropene
 Concen: 20.150 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63787		
110	37.1	17.6	52.9	
77	32.1	24.4	36.6	





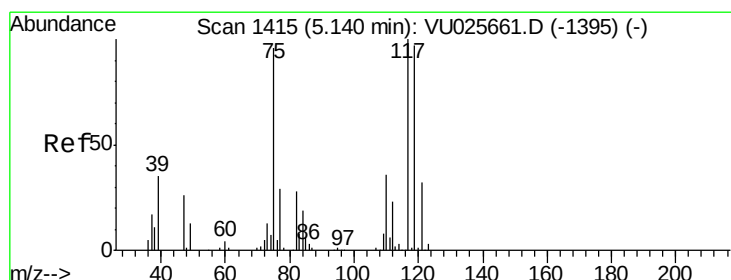
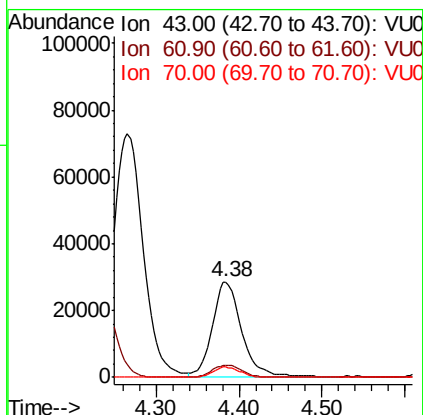
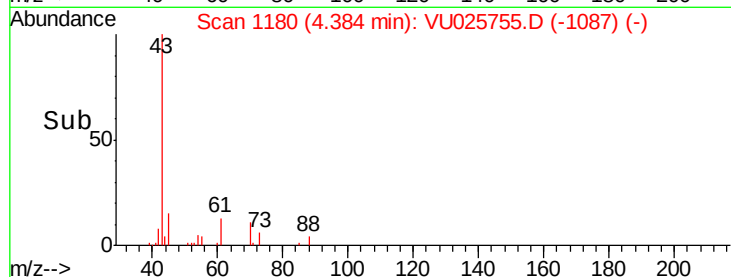
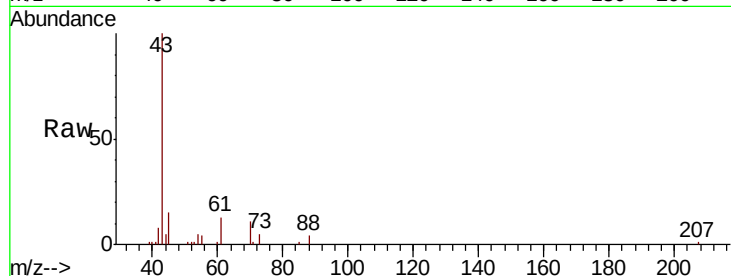
#37
Ethyl Acetate
Concen: 21.042 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.0	8.4	12.6

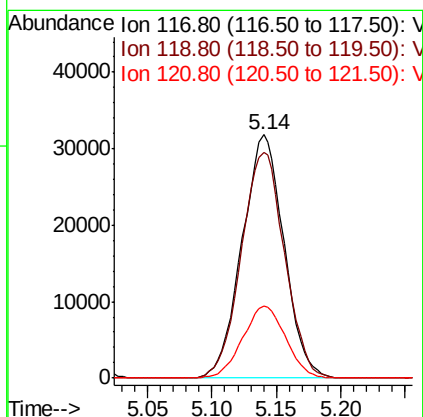
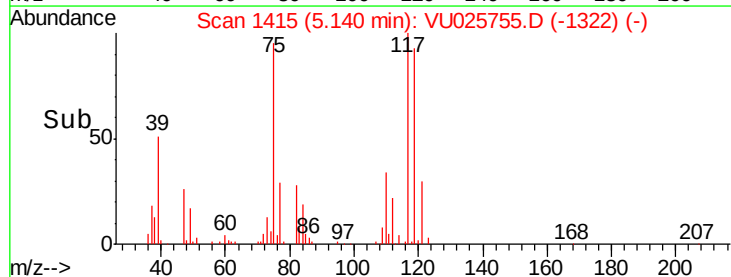
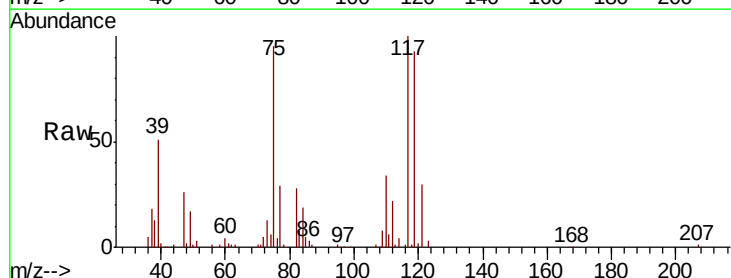
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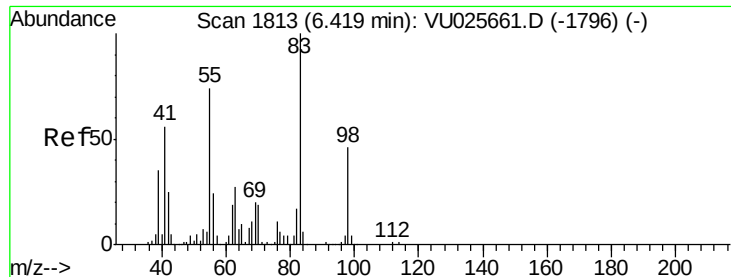
MMDadoda
8/2/2018 9:40:58 AM



#38
Carbon Tetrachloride
Concen: 20.087 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.7	113.5
121	29.8	24.6	36.8





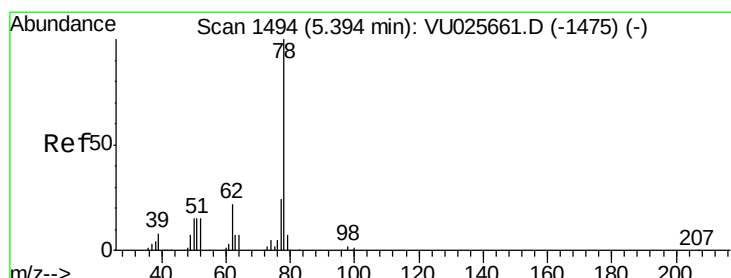
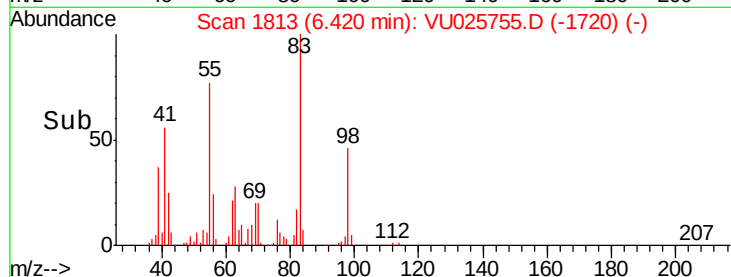
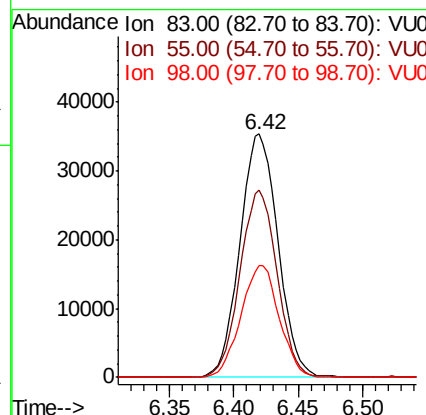
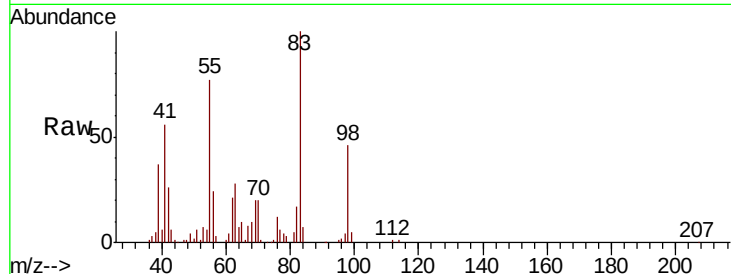
#39
Methylvlcyclohexane
Concen: 20.062 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	60.0	90.0
98	45.7	36.1	54.1

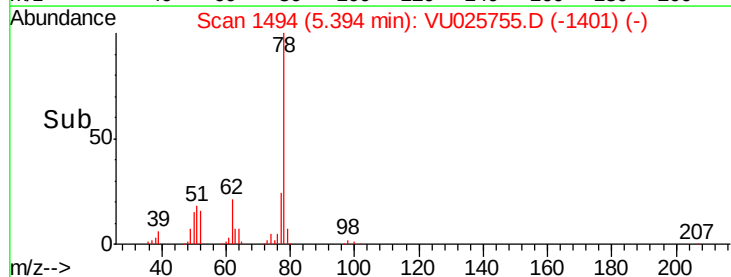
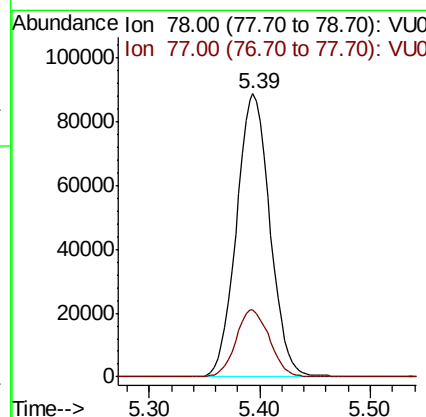
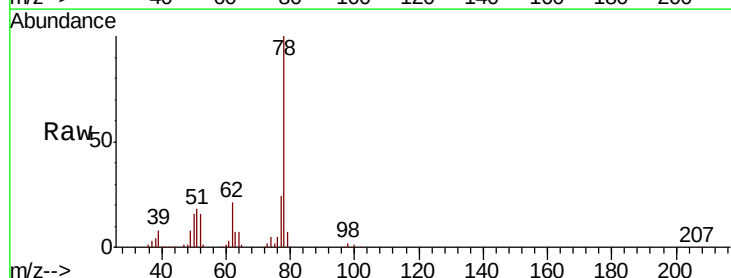
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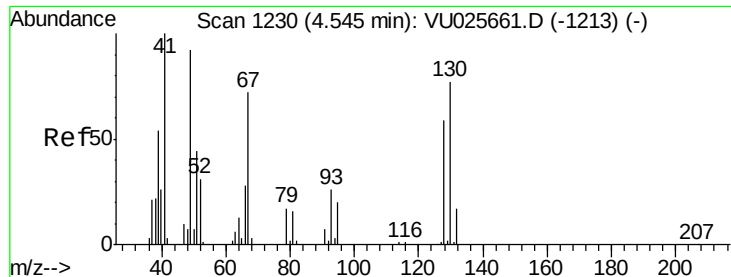
MMDadoda
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#40
Benzene
Concen: 20.185 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.8	29.6





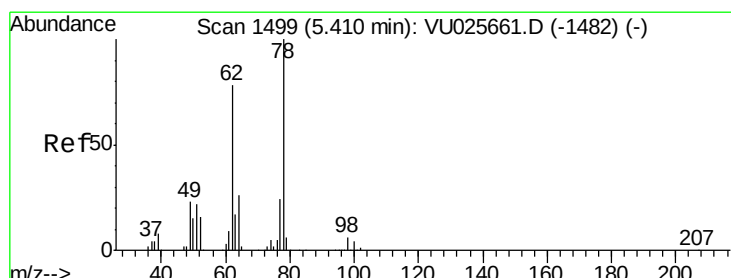
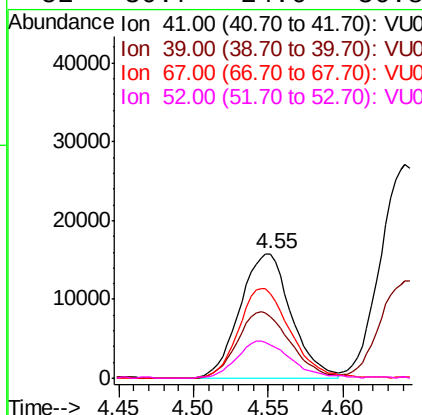
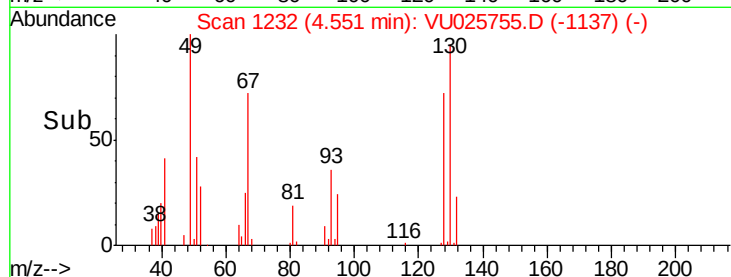
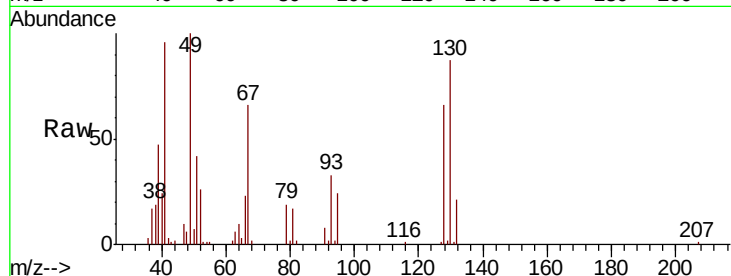
#41
Methacrylonitrile
Concen: 20.755 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		37838		
39	54.6	44.4	66.6		
67	72.2	56.0	84.0		
52	30.7	24.6	36.8		

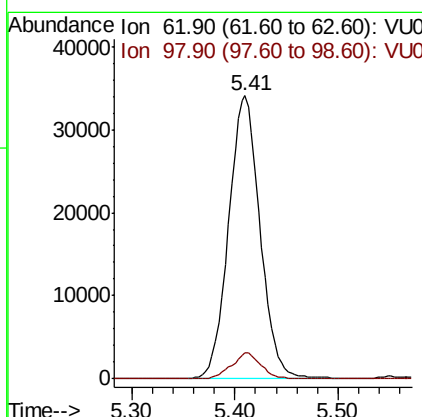
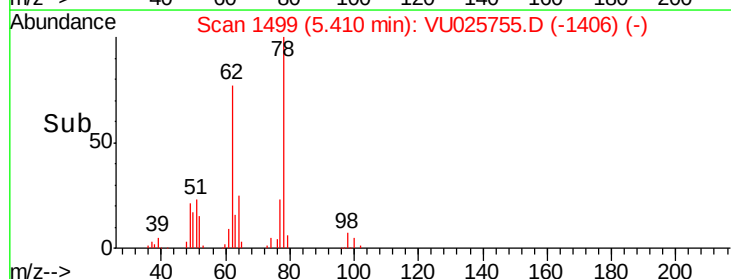
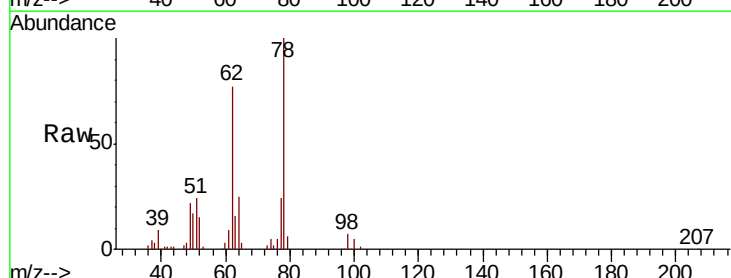
Manual Integrations
APPROVED

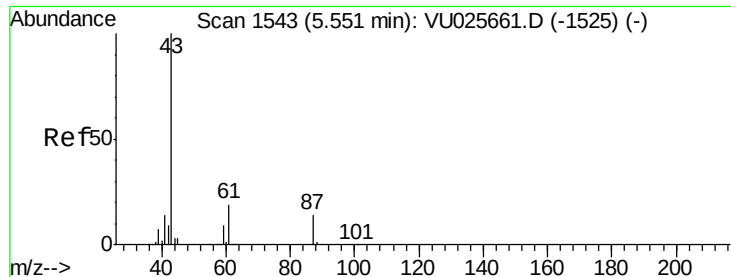
MMDadoda
8/2/2018 9:40:58 AM



#42
1,2-Dichloroethane
Concen: 20.281 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		72259		
98	8.5	0.0	16.4		





#43

Isopropyl Acetate

Concen: 20.393 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

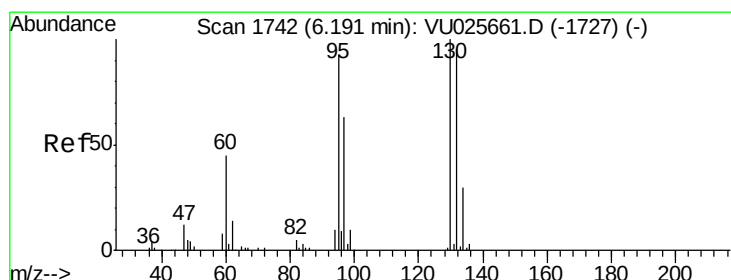
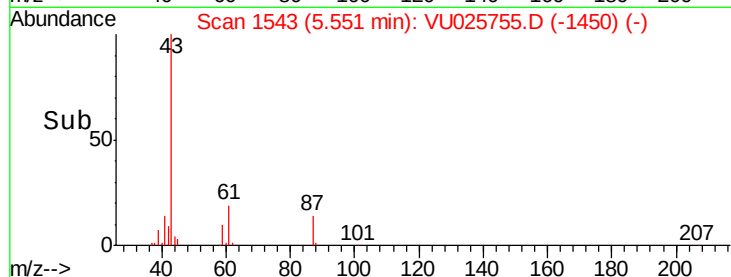
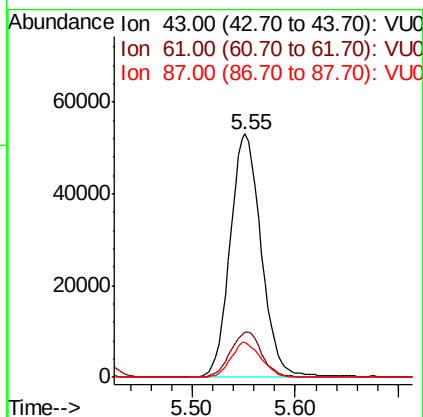
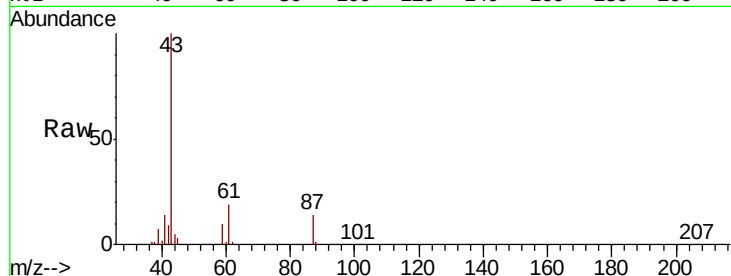
ClientSampleId :

VU0801MBS01

Tot Ion:	43	Resp:	110610
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.5	23.3
87	13.9	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.439 ug/l

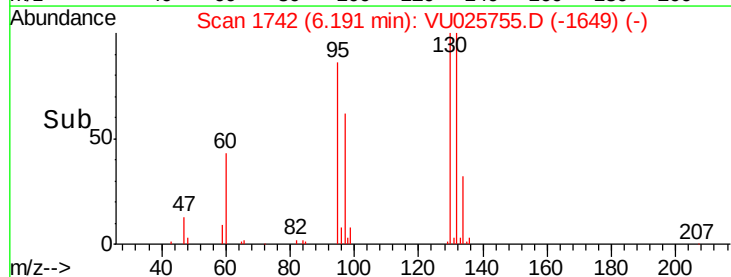
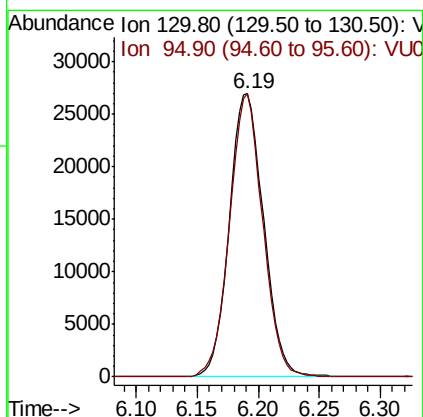
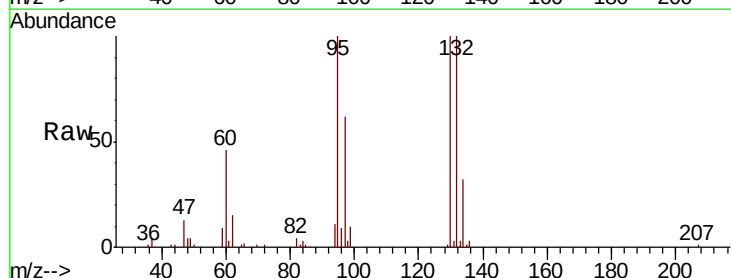
RT: 6.19 min Scan# 1742

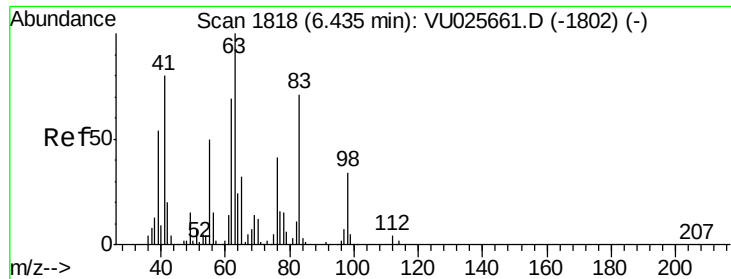
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	130	Resp:	52668
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	192.2





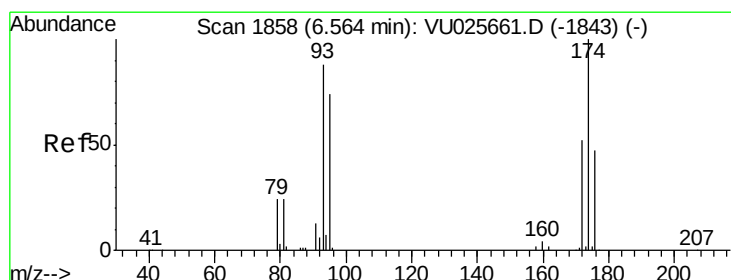
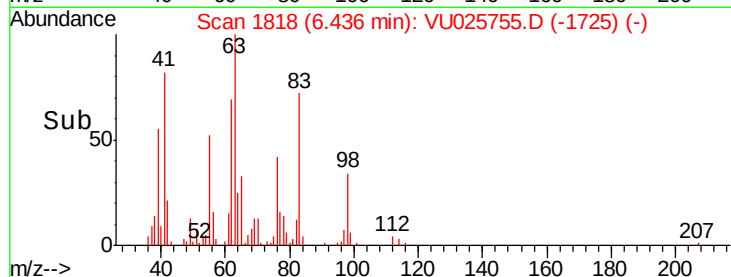
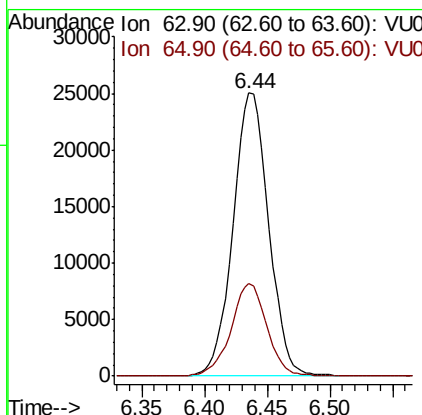
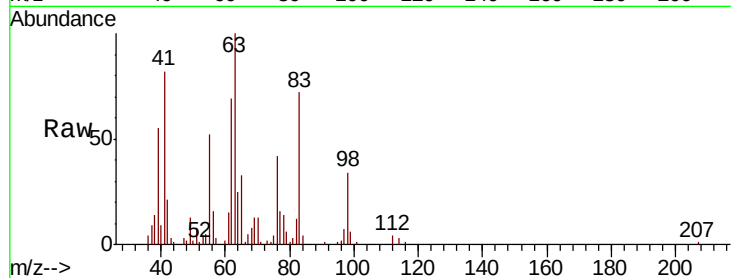
#45
 1,2-Dichloropropane
 Concen: 20.473 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion: 63 Resp: 49406
 Ion Ratio Lower Upper
 63 100
 65 32.5 26.1 39.1

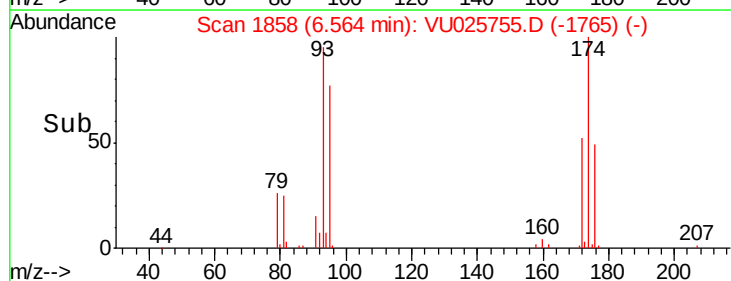
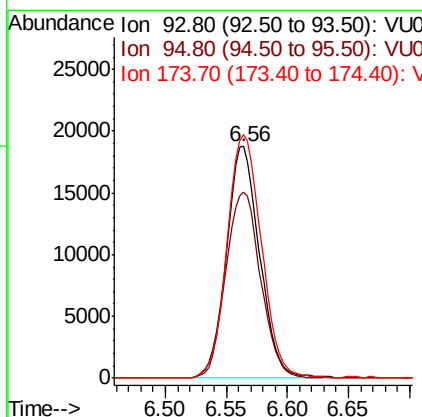
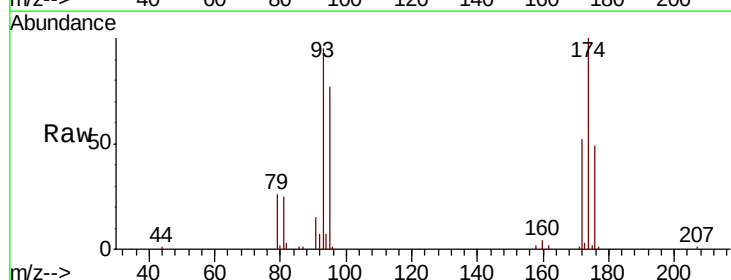
Manual Integrations
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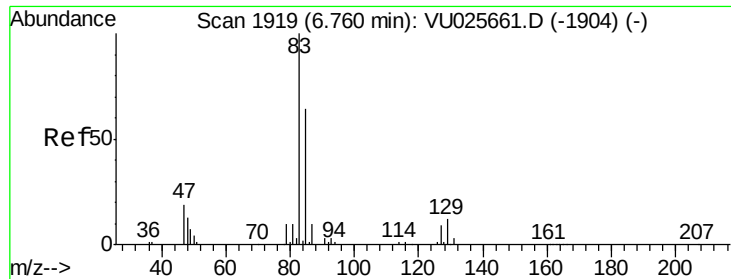
MMDadoda
 8/2/2018 9:40:58 AM



#46
 Dibromomethane
 Concen: 20.391 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 93 Resp: 35656
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 108.6 85.8 128.8





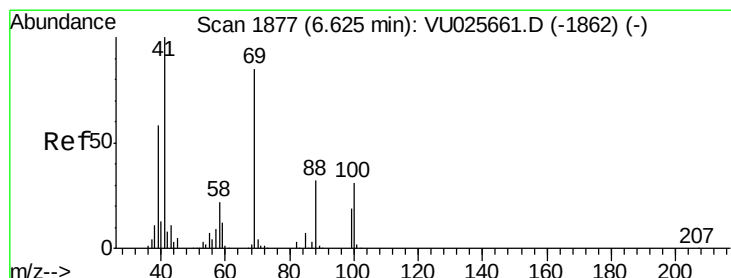
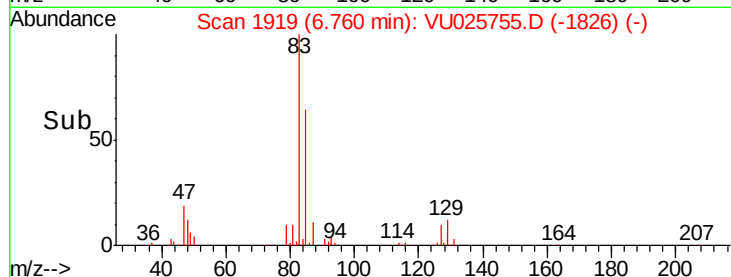
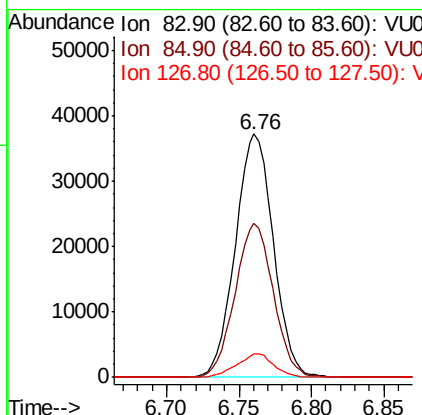
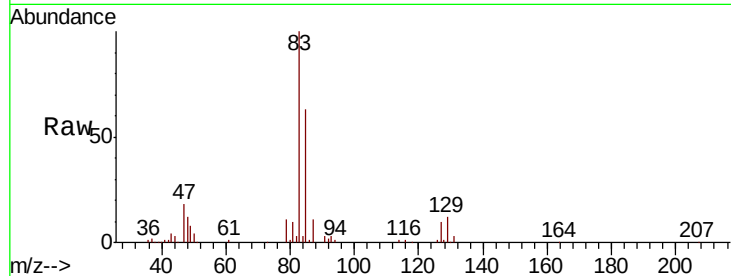
#47
Bromodichloromethane
Concen: 20.353 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	9.6	7.2	10.8

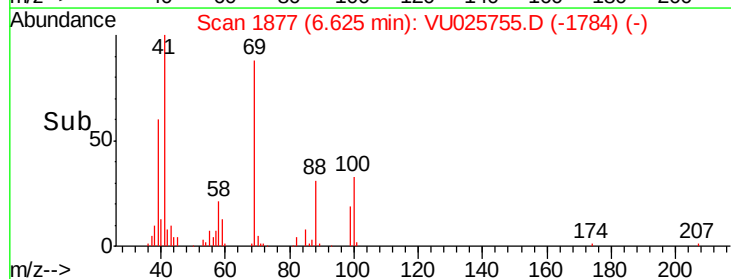
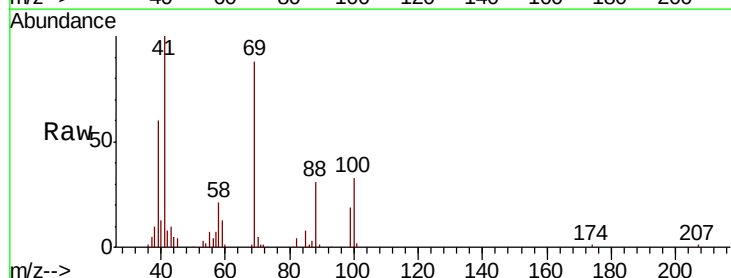
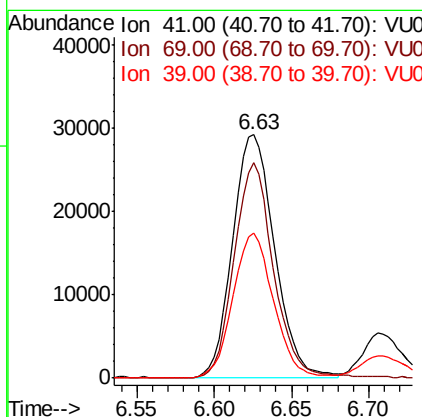
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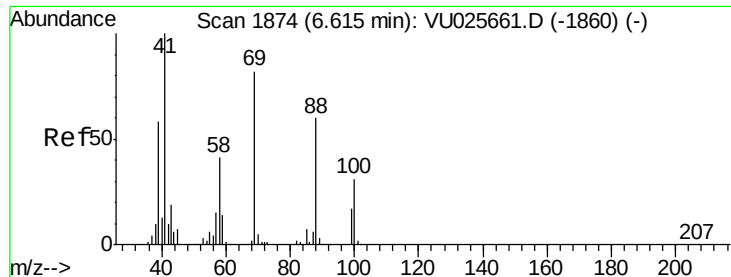
MMDadoda
8/2/2018 9:40:58 AM



#48
Methyl methacrylate
Concen: 20.763 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.0	97.4
39	57.6	46.4	69.6





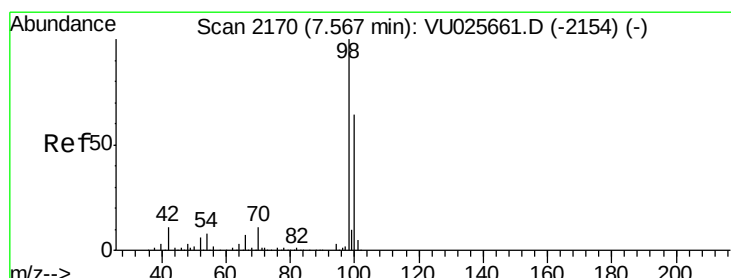
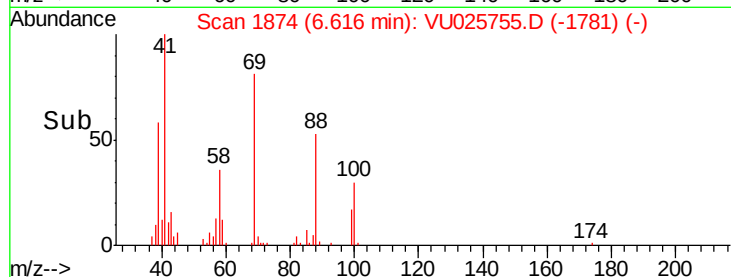
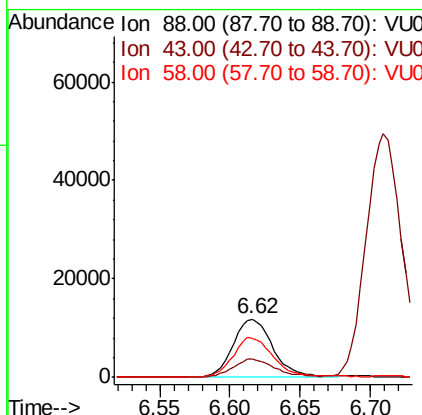
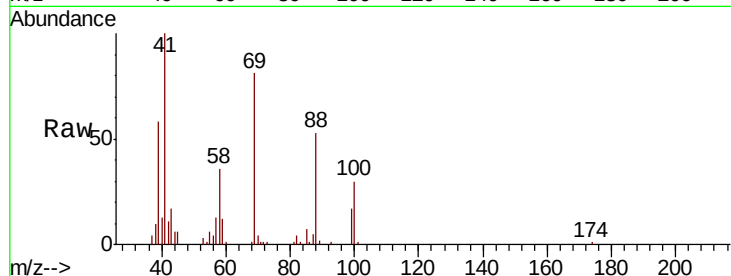
#49
1,4-Dioxane
Concen: 363.046 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	27.3	40.9
58	70.2	57.6	86.4

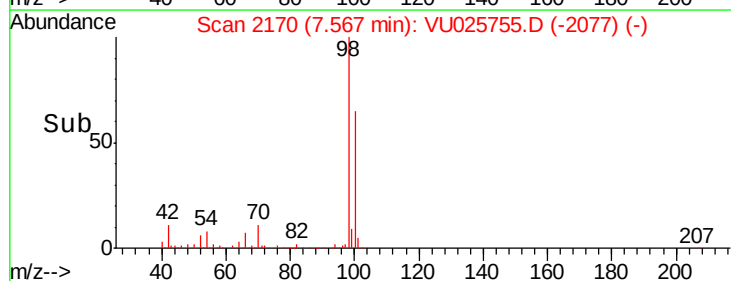
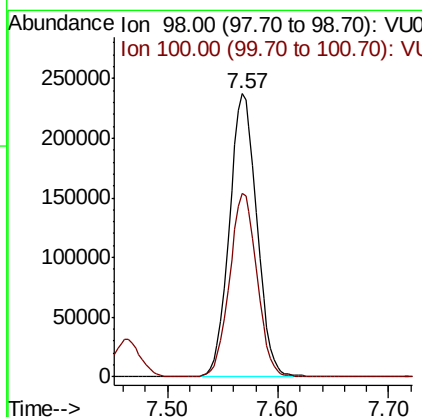
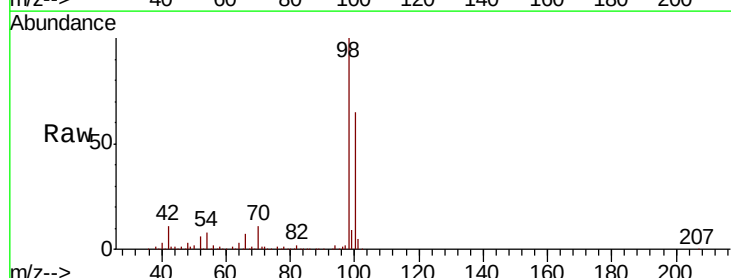
Manual Integrations
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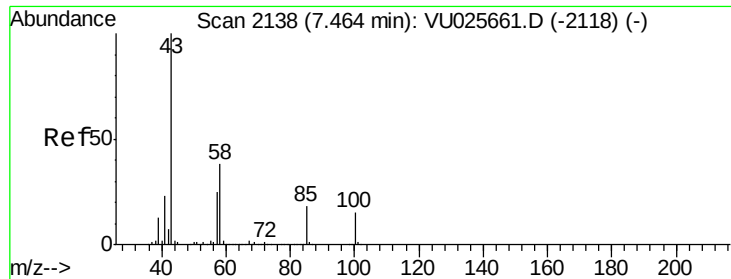
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#50
Toluene-d8
Concen: 49.780 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 102.686 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 43 Resp: 348702

Ion Ratio Lower Upper

43 100

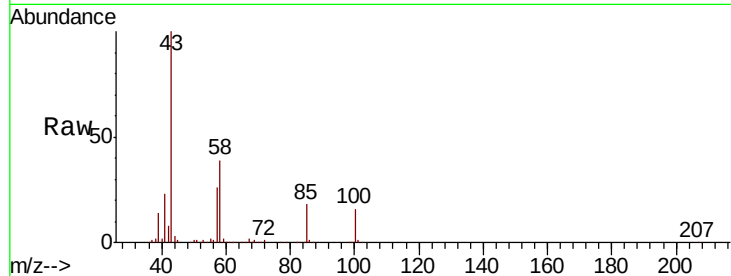
58 38.7 31.0 46.4

Manual Integrations

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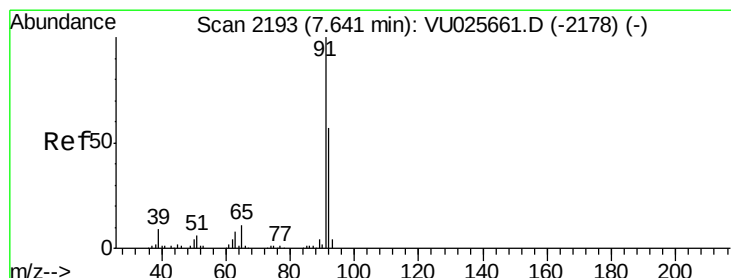
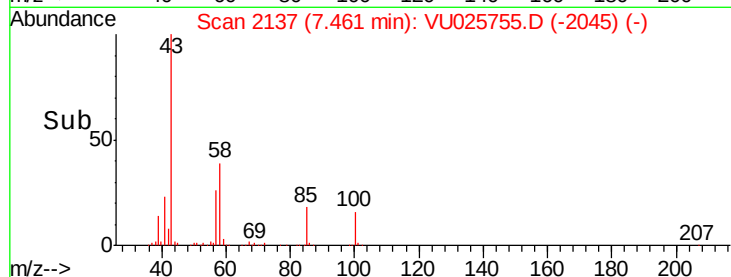
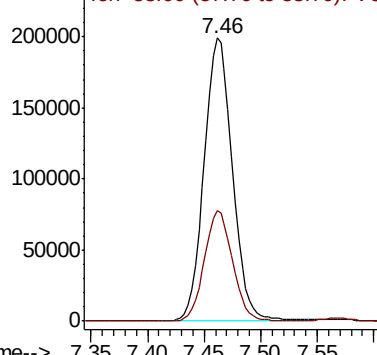
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.499 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025755.D

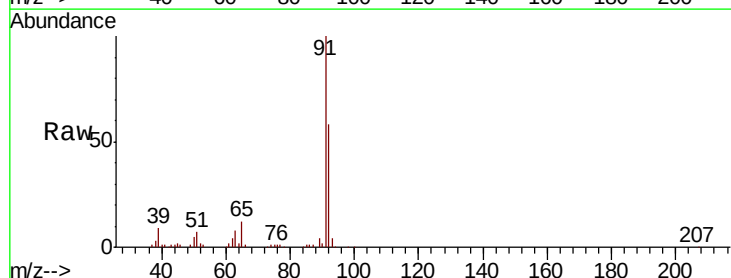
Acq: 31 Jul 2018 21:38

Tgt Ion: 92 Resp: 117839

Ion Ratio Lower Upper

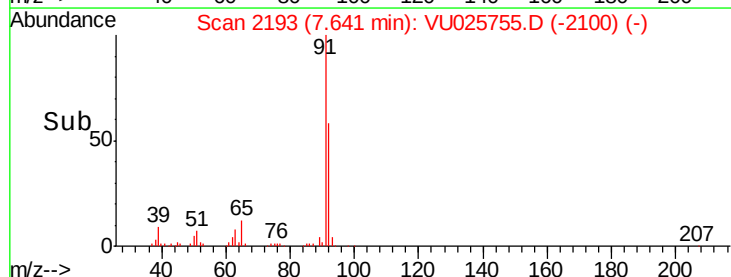
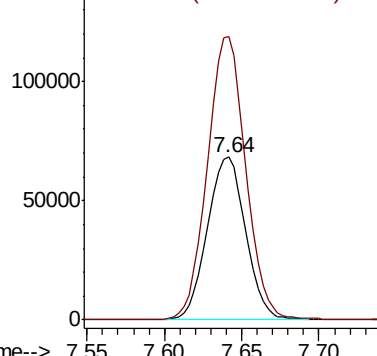
92 100

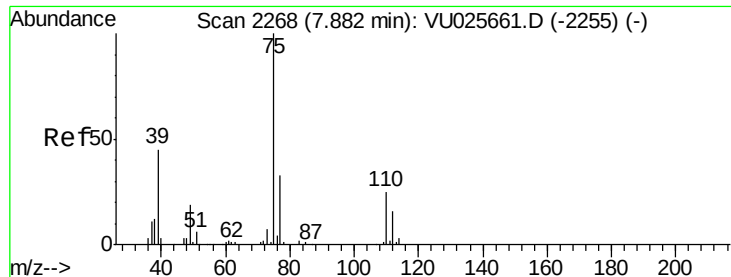
91 174.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 20.458 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 75 Resp: 76618

Ion Ratio Lower Upper

75 100

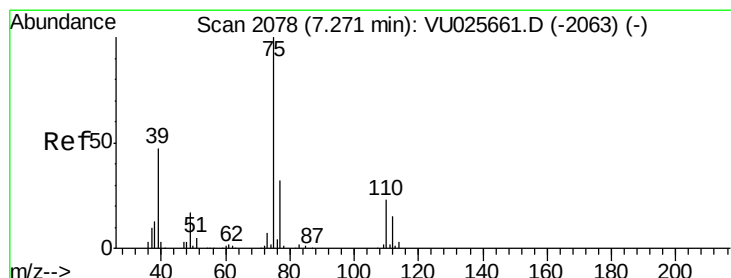
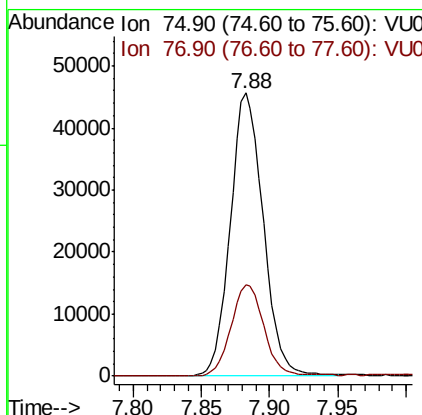
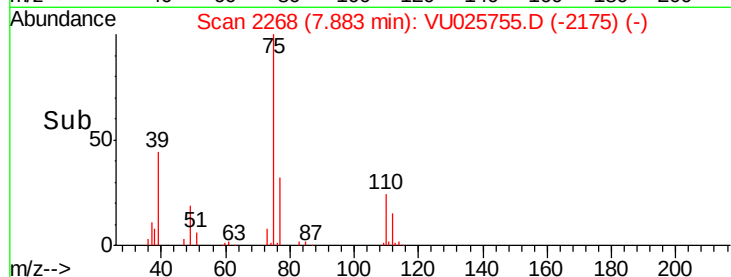
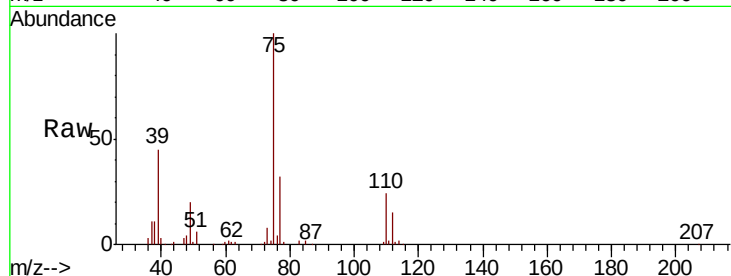
77 32.3 24.5 36.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.426 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

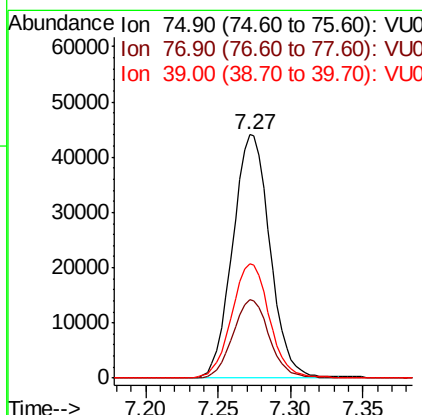
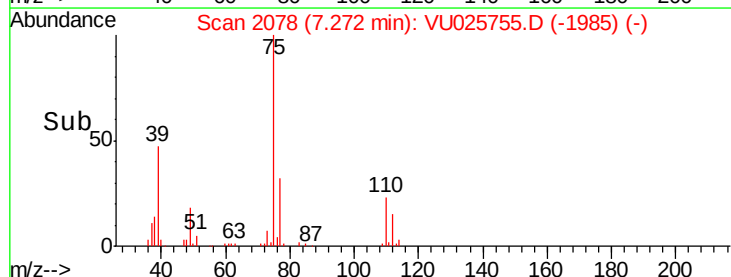
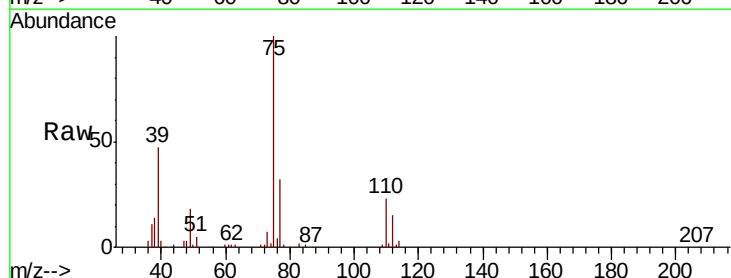
Tgt Ion: 75 Resp: 78581

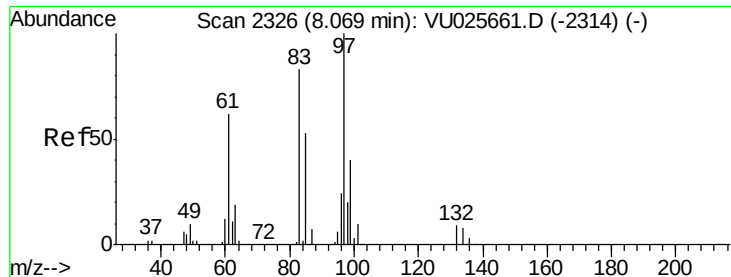
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 46.9 40.0 60.0





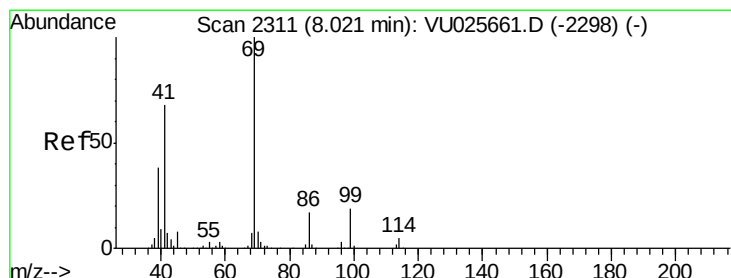
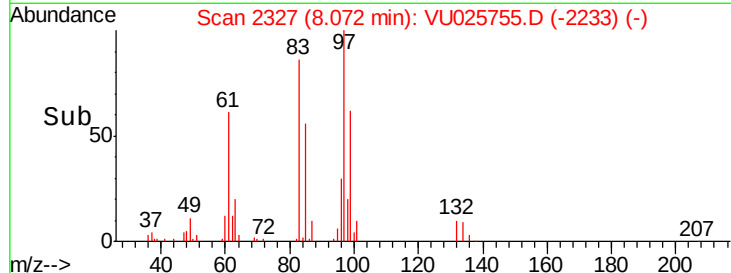
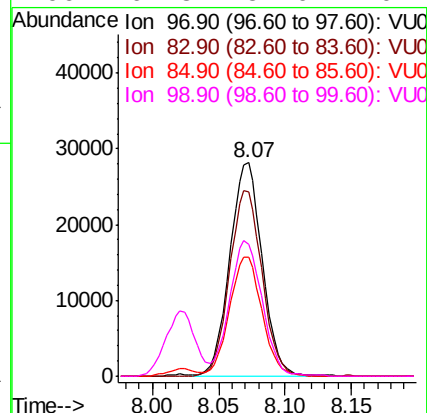
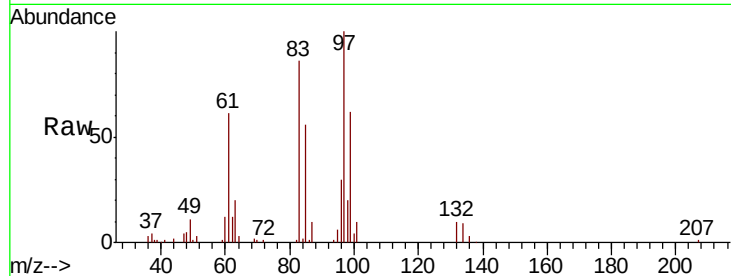
#55
 1,1,2-Trichloroethane
 Concen: 20.099 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		48015		
83	86.0	68.9	103.3		
85	55.6	44.4	66.6		
99	61.8	51.0	76.4		

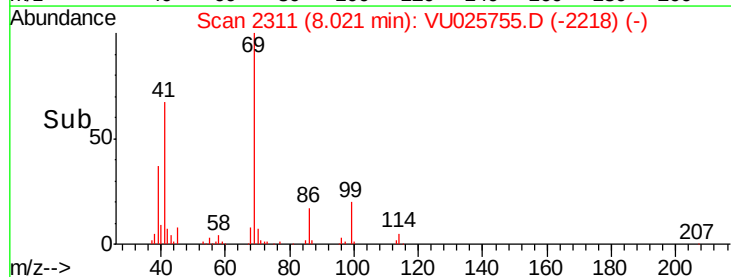
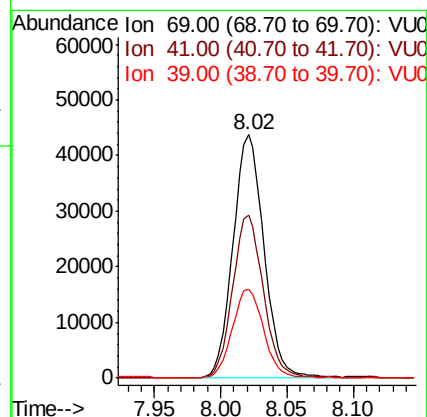
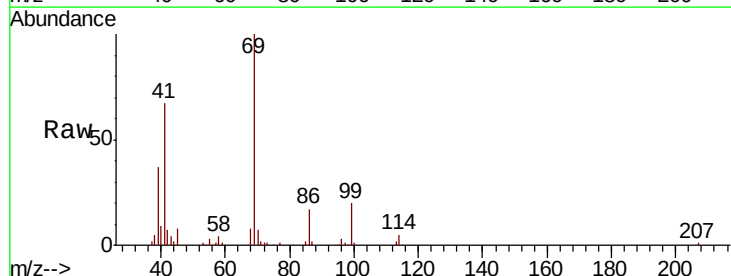
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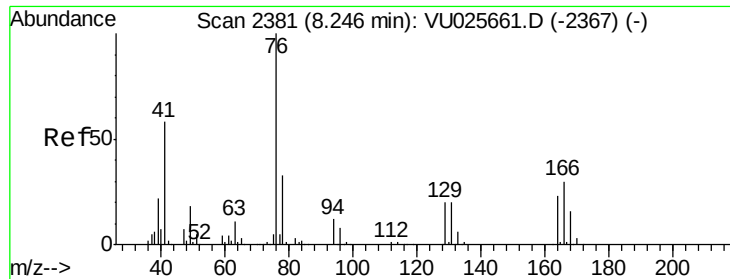
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#56
 Ethyl methacrylate
 Concen: 20.867 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71225		
41	66.2	54.8	82.2		
39	36.3	31.1	46.7		





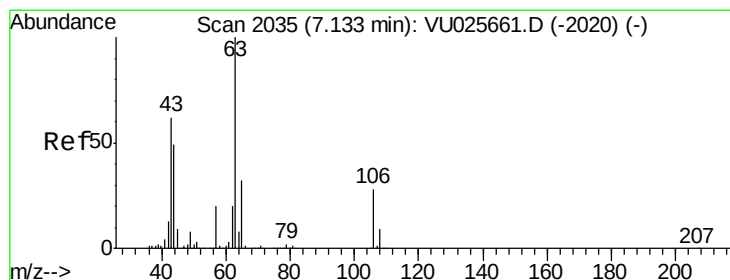
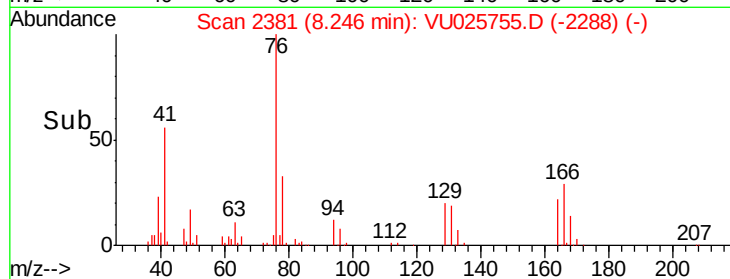
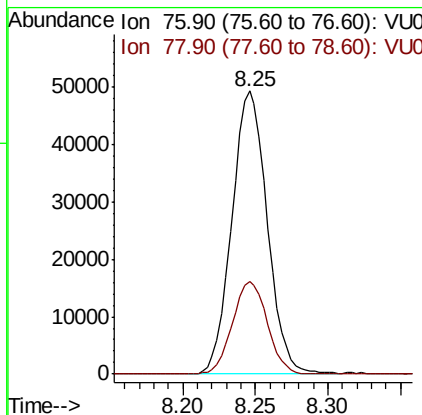
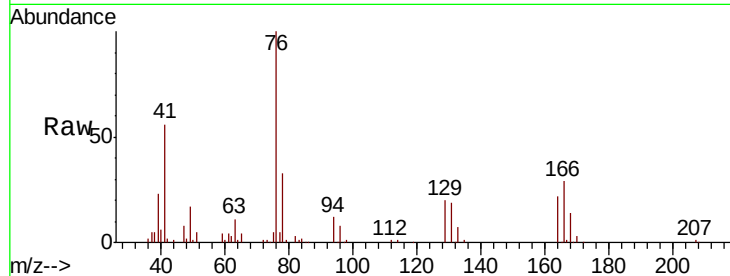
#57
 1,3-Dichloropropane
 Concen: 20.752 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion: 76 Resp: 83371
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

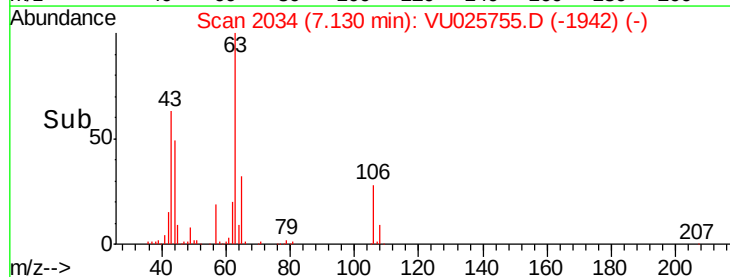
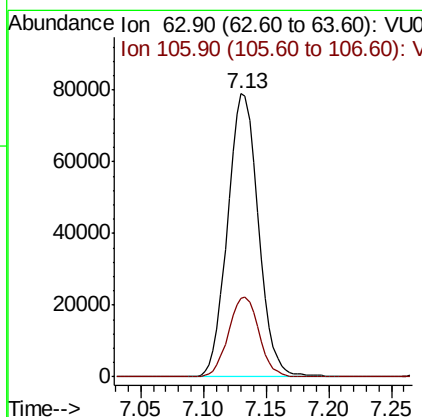
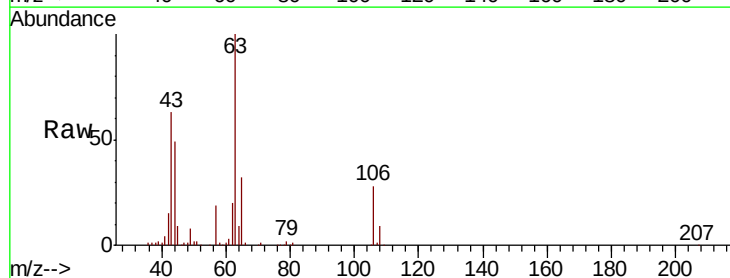
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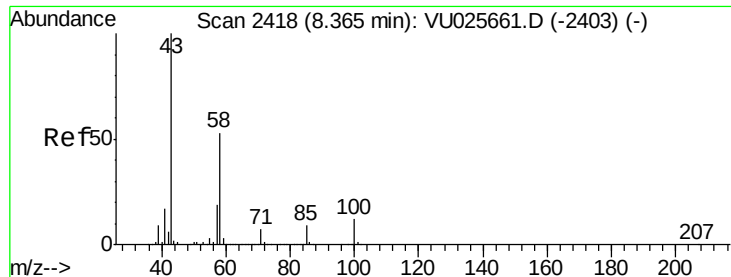
MMDadoda
 8/2/2018 9:40:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.933 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion: 63 Resp: 134982
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.3 33.5





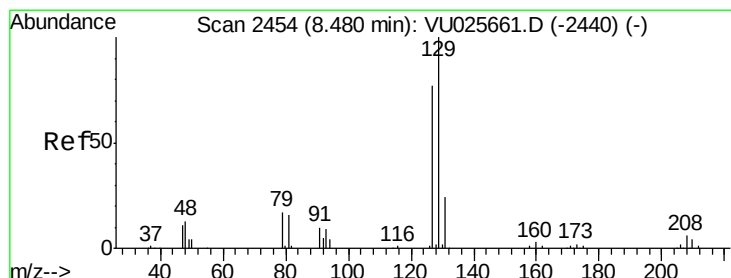
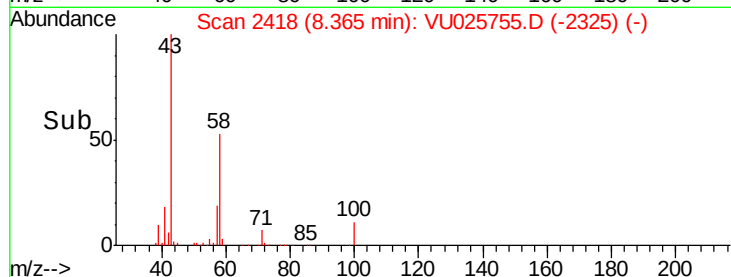
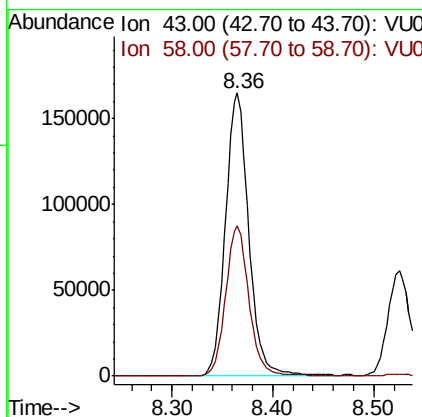
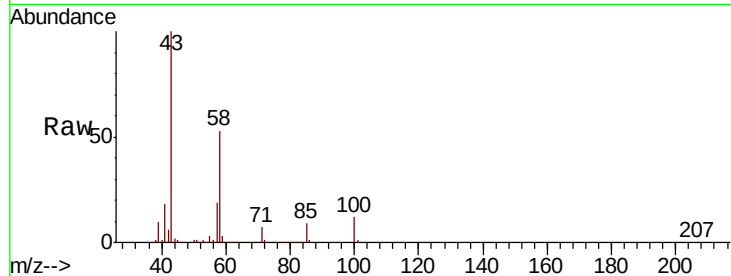
#59
2-Hexanone
Concen: 100.428 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	43	Resp	267330
Ion Ratio	43	100	
Lower	58	53.0	26.2
Upper			78.5

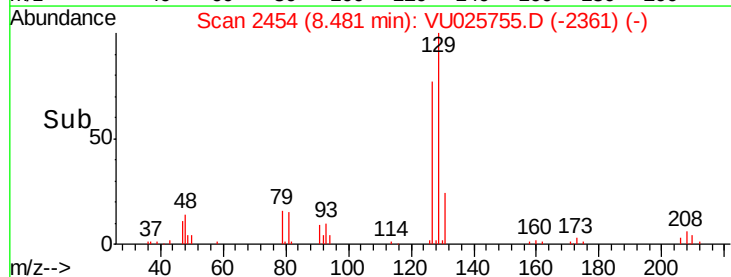
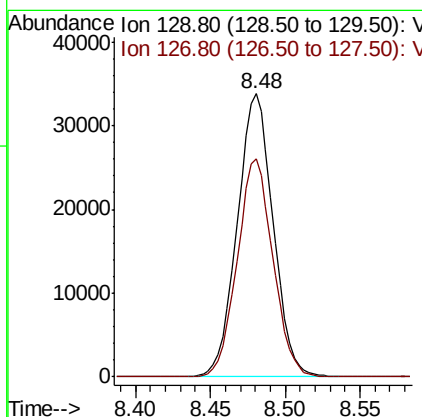
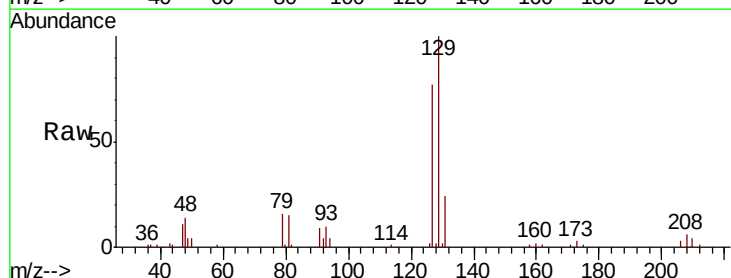
Manual Integrations
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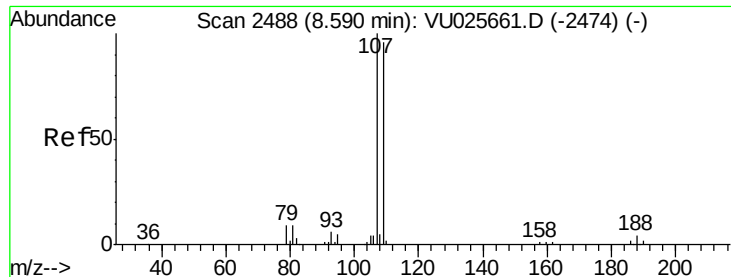
MMDadoda
8/2/2018 9:40:58 AM



#60
Dibromochloromethane
Concen: 19.958 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	129	Resp	56226
Ion Ratio	129	100	
Lower	127	76.7	38.6
Upper			115.8





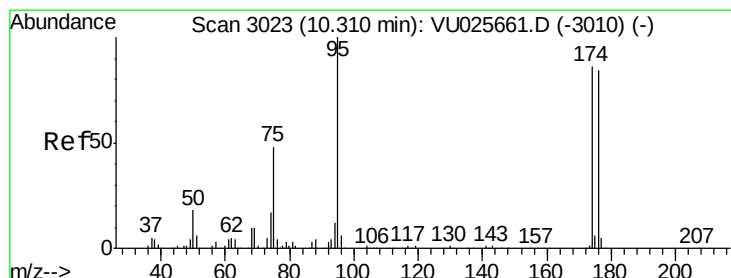
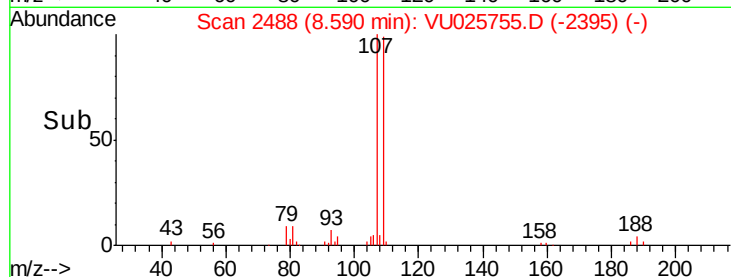
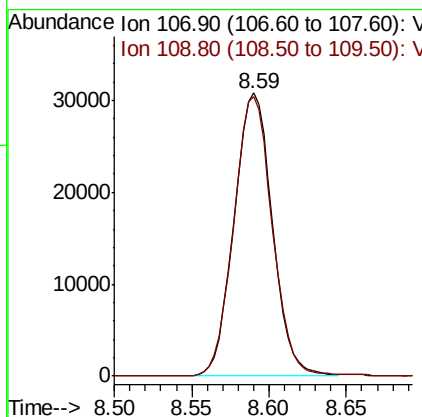
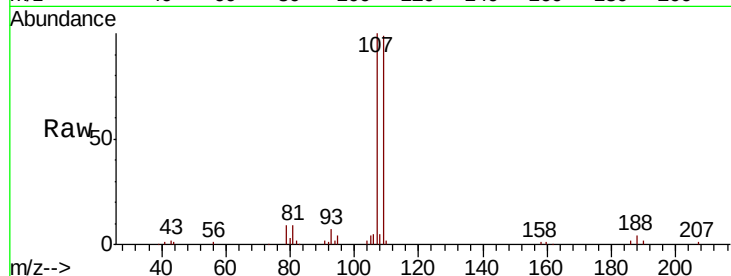
#61
 1,2-Dibromoethane
 Concen: 19.948 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.5	75.8	113.8

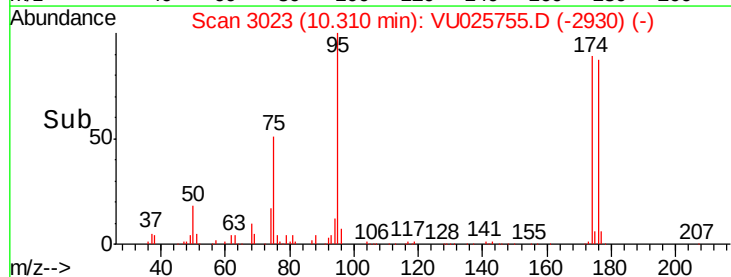
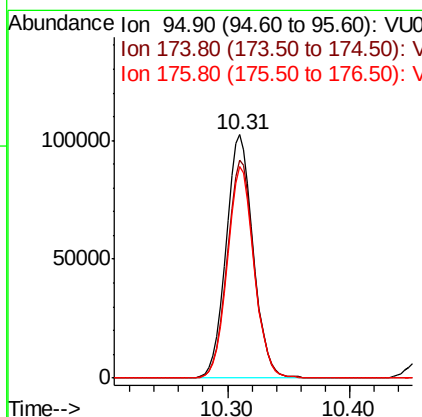
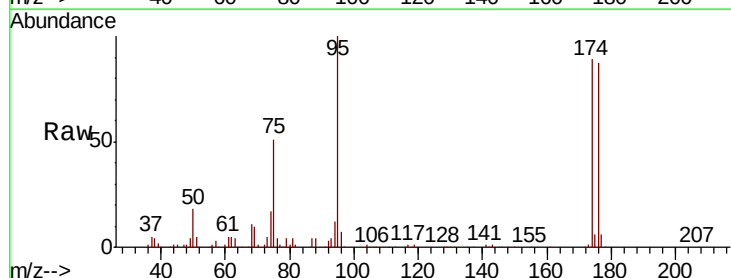
Manual Integrations
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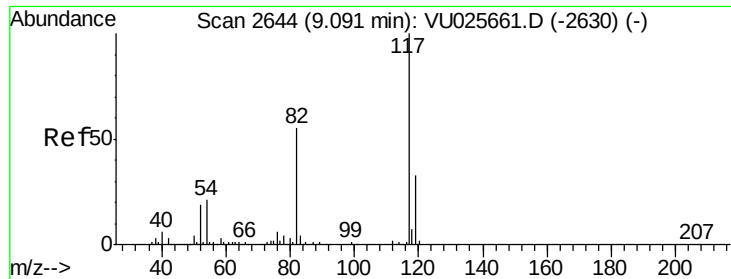
MMDadoda
 8/2/2018 9:40:58 AM



#62
 4-Bromofluorobenzene
 Concen: 49.752 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	172.2
176	85.7	0.0	162.6





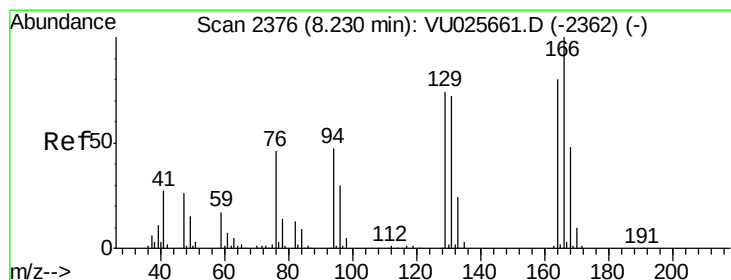
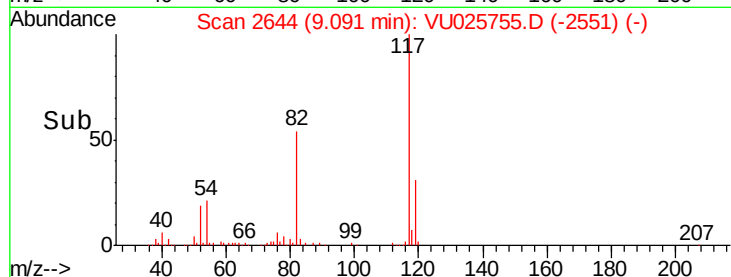
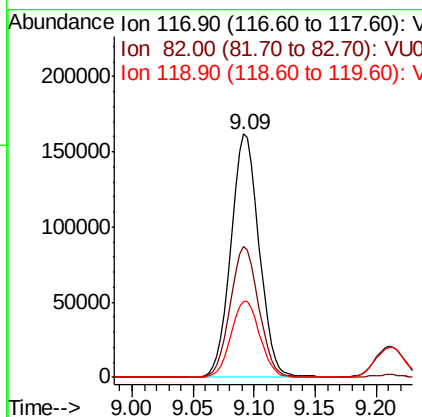
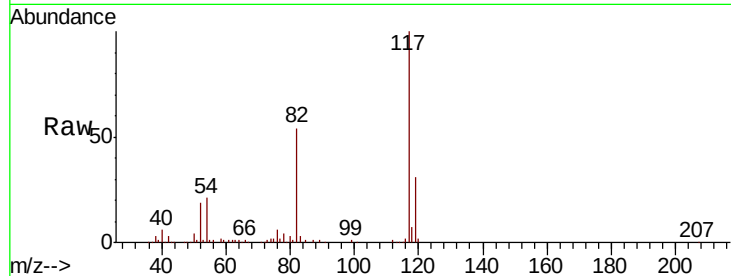
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261419		
82	53.9	46.0	69.0	
119	31.2	26.0	39.0	

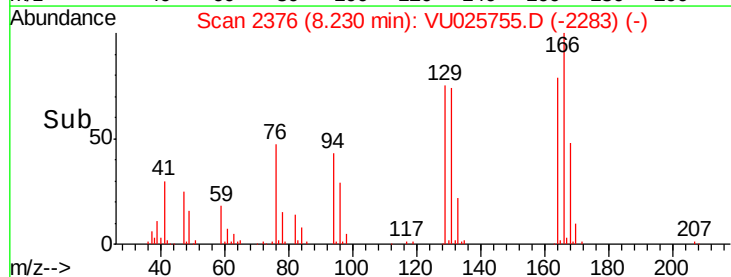
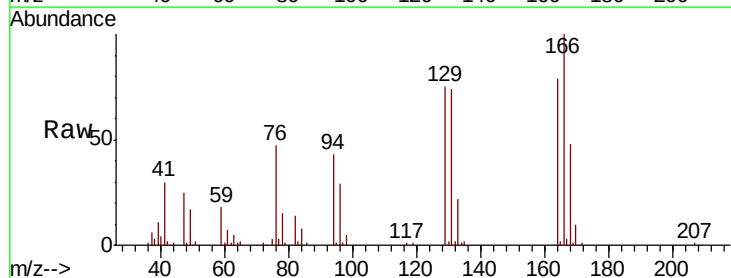
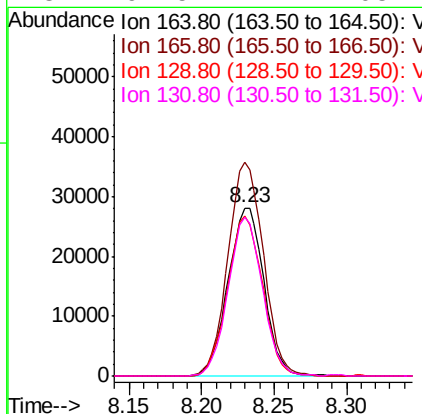
Manual Integrations
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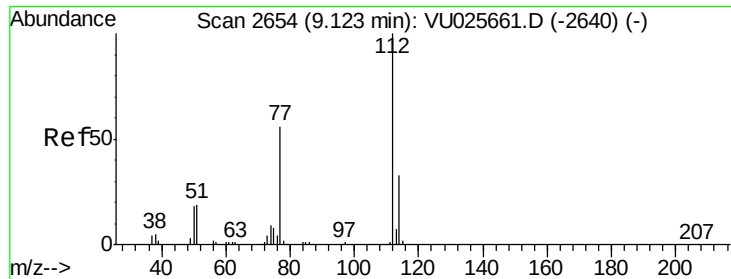
MMDadoda
8/2/2018 9:40:58 AM



#64
Tetrachloroethene
Concen: 20.880 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48044		
166	127.3	101.1	151.7	
129	95.0	73.0	109.6	
131	94.5	72.1	108.1	





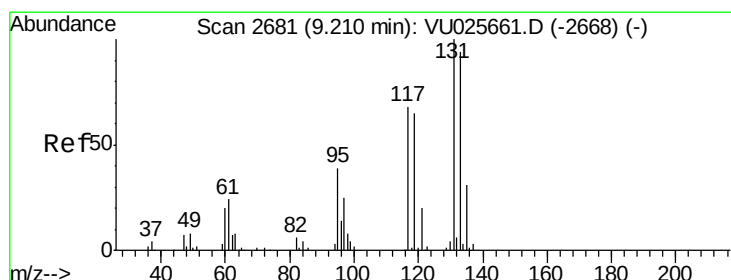
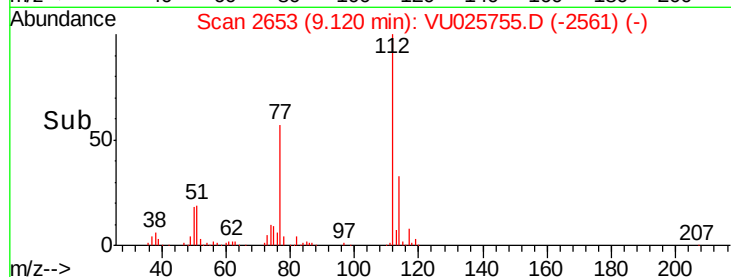
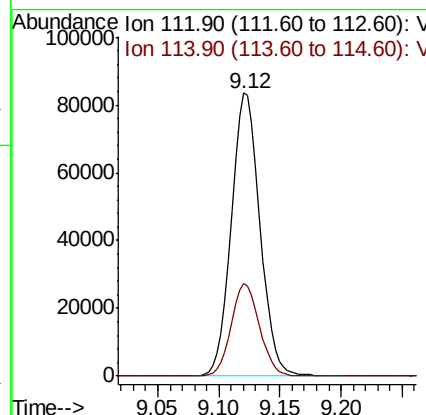
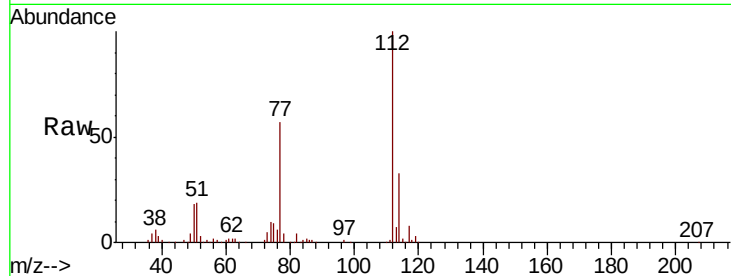
#65
Chlorobenzene
Concen: 20.397 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.8

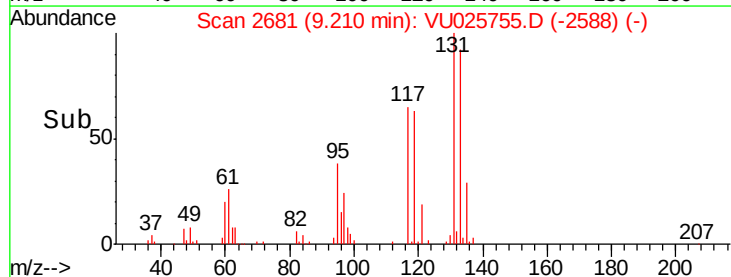
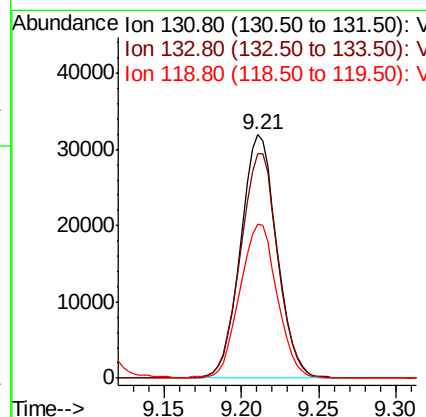
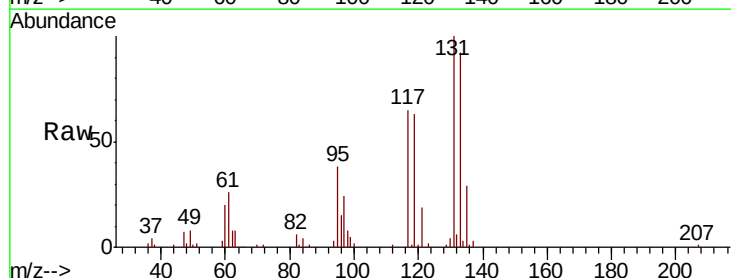
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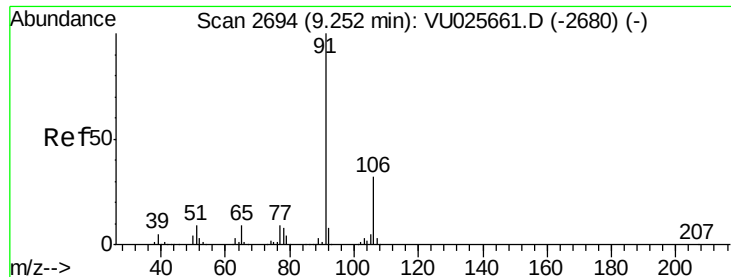
MMDadoda
8/2/2018 9:40:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.332 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.8	143.3
119	65.0	31.6	95.0





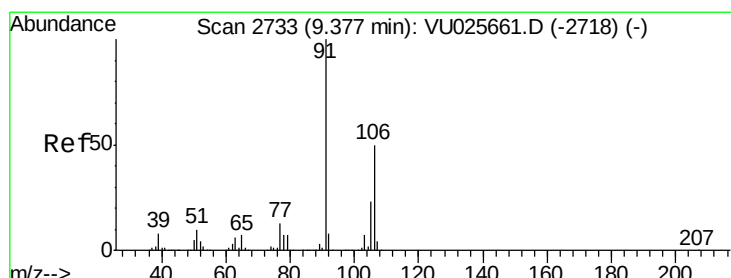
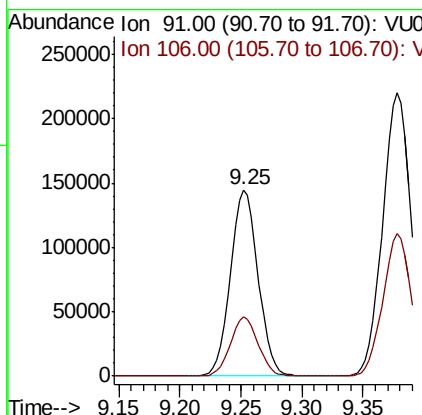
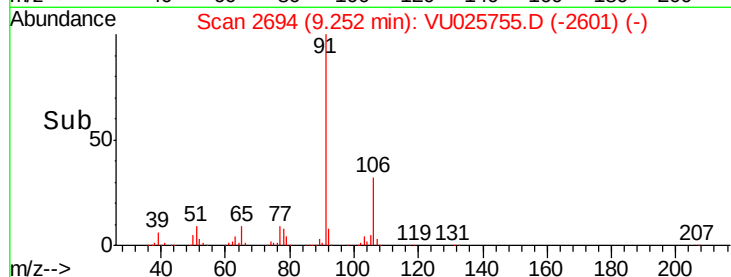
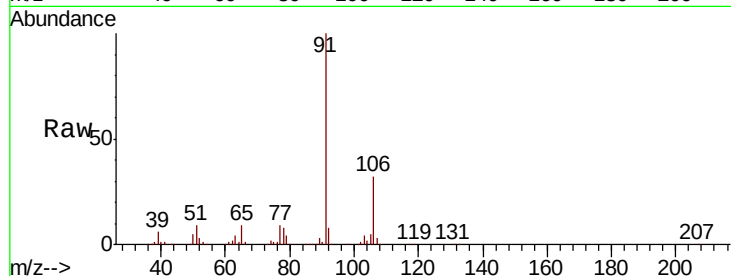
#67
Ethyl Benzene
Concen: 20.526 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampled :
VU0801MBS01

Tot Ion: 91 Resp: 229166
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

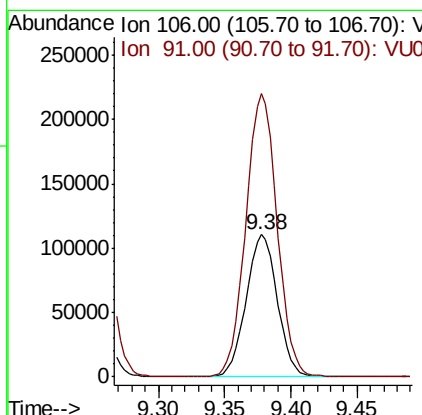
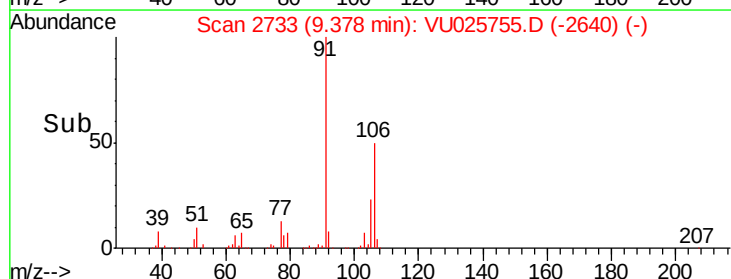
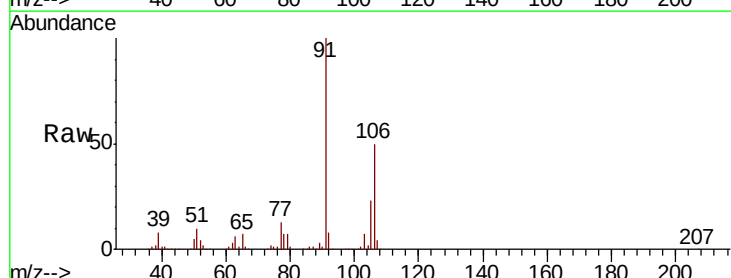
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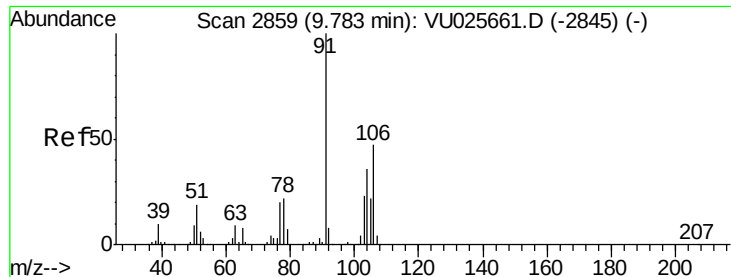
MMDadoda
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#68
m/p-Xylenes
Concen: 42.047 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion: 106 Resp: 180224
Ion Ratio Lower Upper
106 100
91 199.6 162.3 243.5





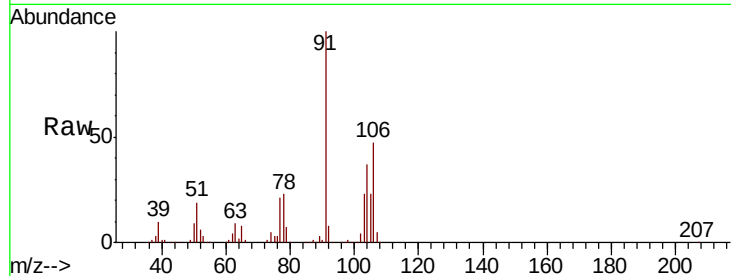
#69
o-Xylene
Concen: 20.639 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampled :
VU0801MBS01

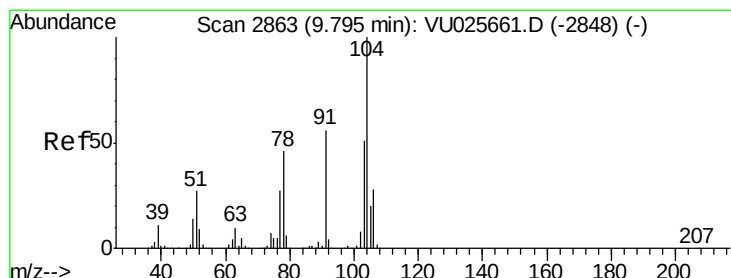
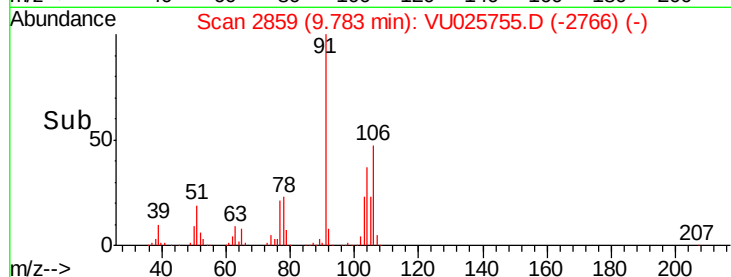
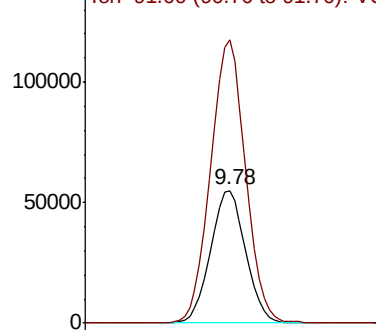
Tot Ion:106 Resp: 86457
Ion Ratio Lower Upper
106 100
91 213.7 105.3 315.8

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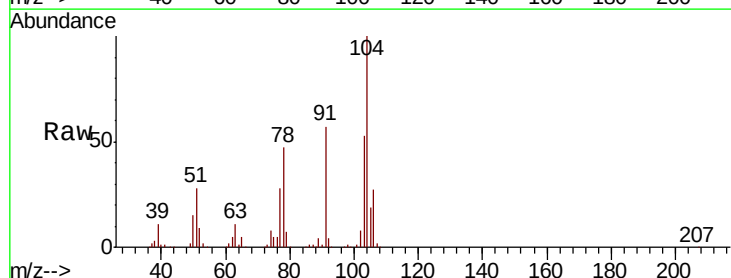


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

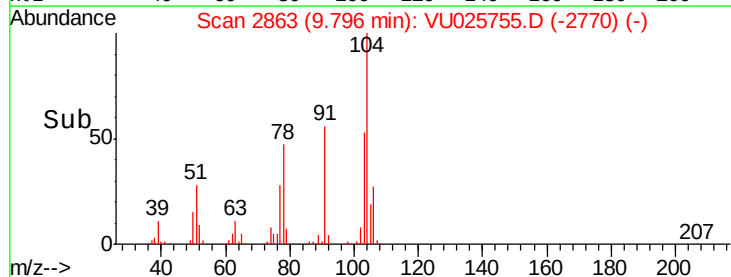
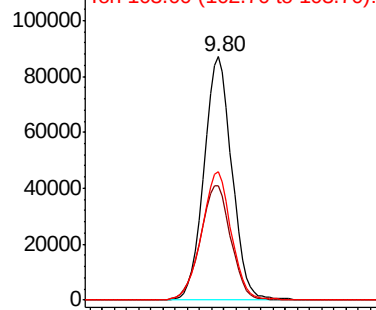


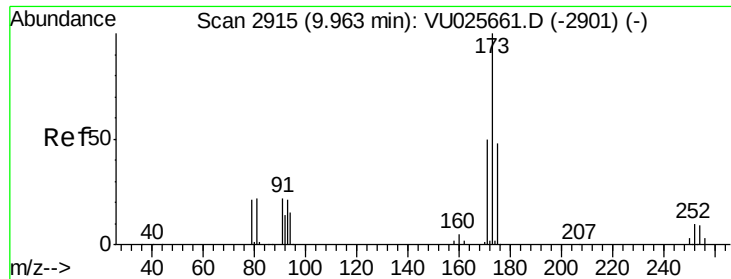
#70
Styrene
Concen: 20.477 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion:104 Resp: 138559
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 56.3 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.954 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion:173 Resp: 42186

Ion Ratio Lower Upper

173 100

175 48.8 24.0 72.0

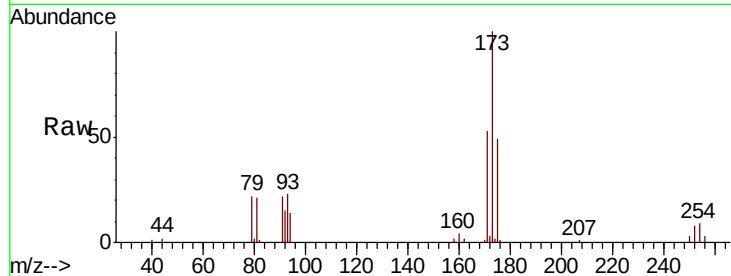
254 0.0 0.0 0.0

Manual Integrations

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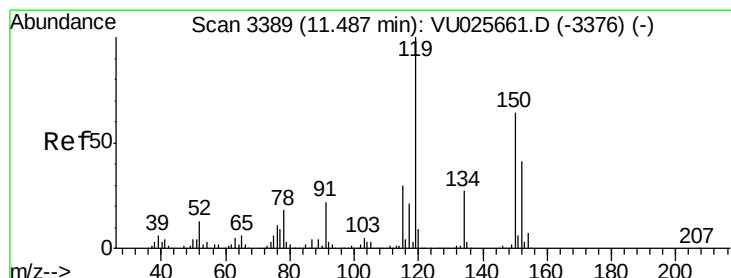
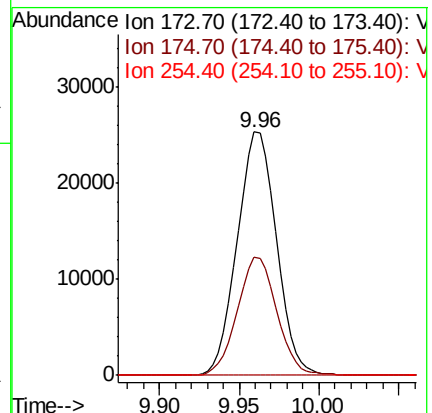
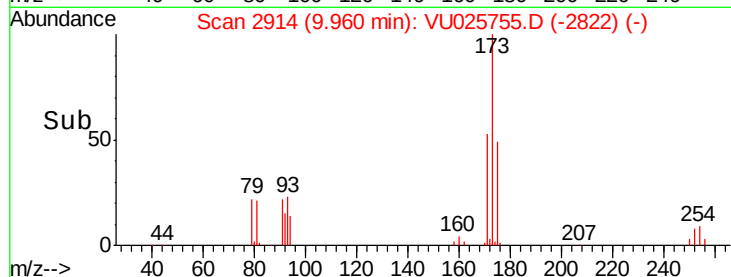
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

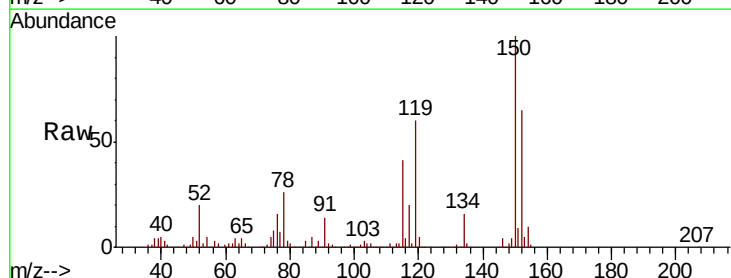
Tgt Ion:152 Resp: 165380

Ion Ratio Lower Upper

152 100

115 65.7 40.1 120.3

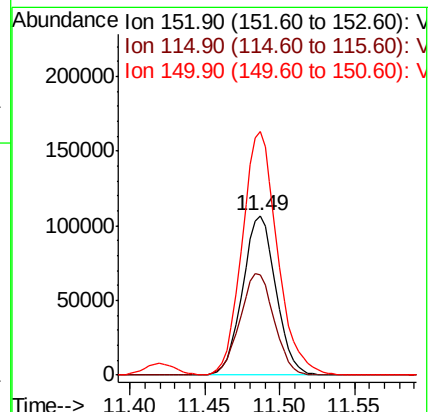
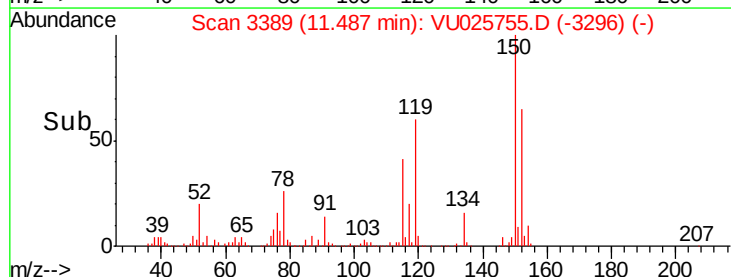
150 161.8 0.0 351.4

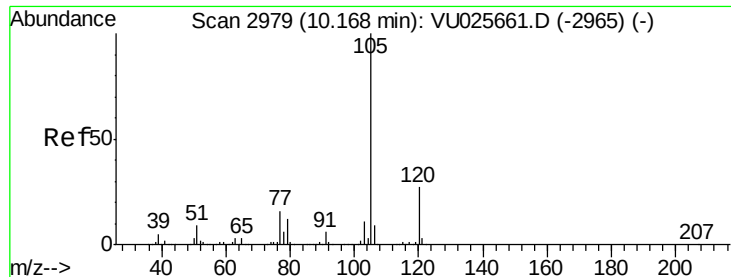


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.785 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 105 Resp: 234610

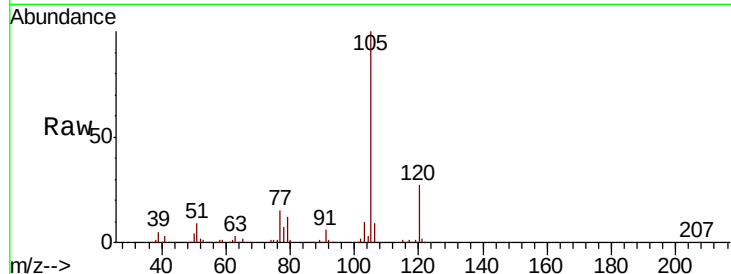
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

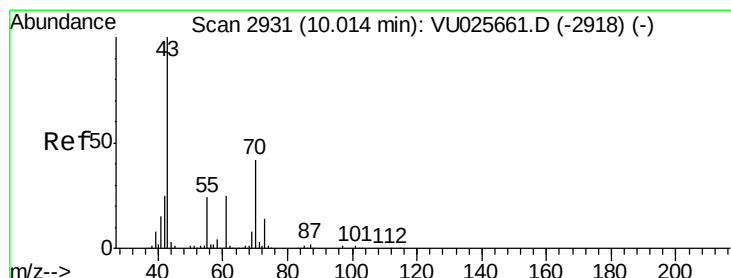
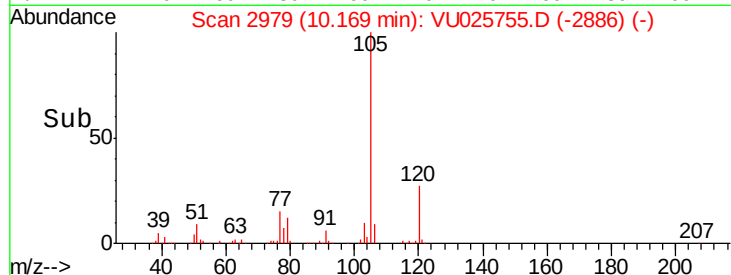
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 20.666 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion: 43 Resp: 95231

Ion Ratio Lower Upper

43 100

70 41.3 33.4 50.2

55 24.5 19.0 28.6

61 24.5 19.3 28.9

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

100000

80000

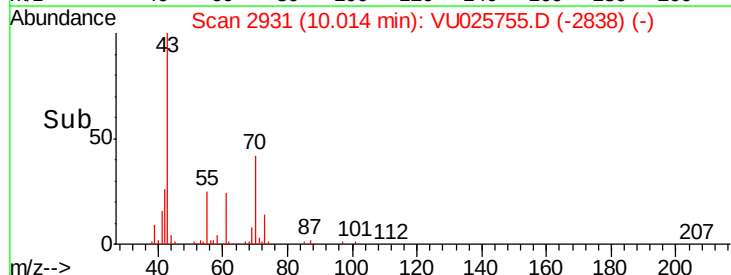
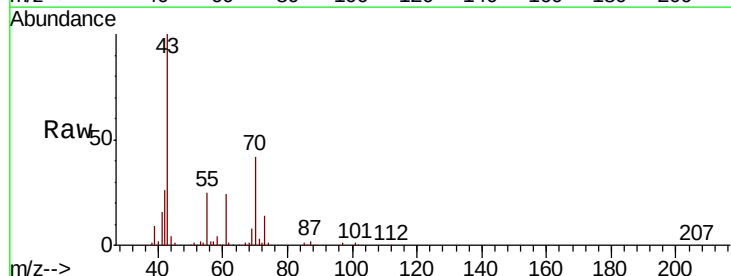
60000

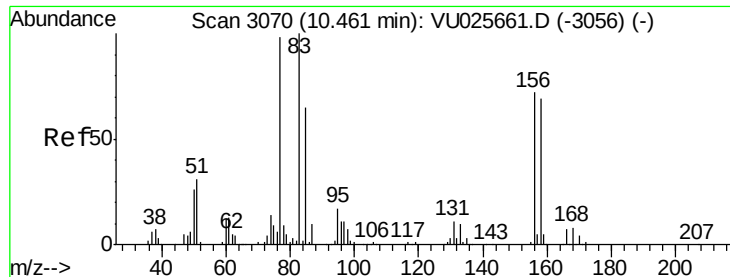
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.974 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

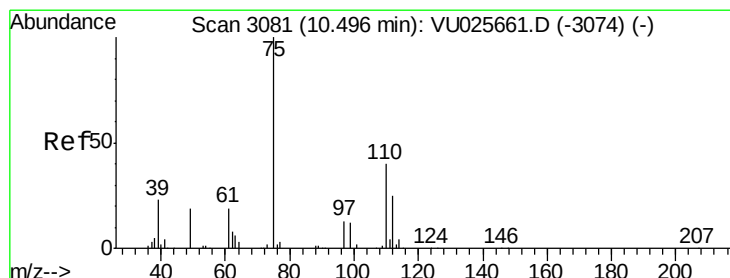
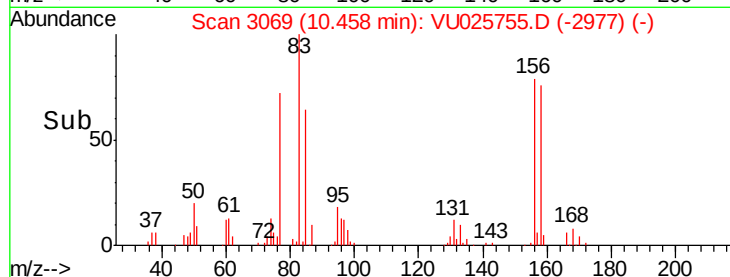
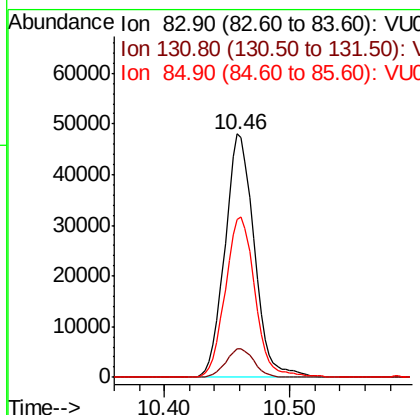
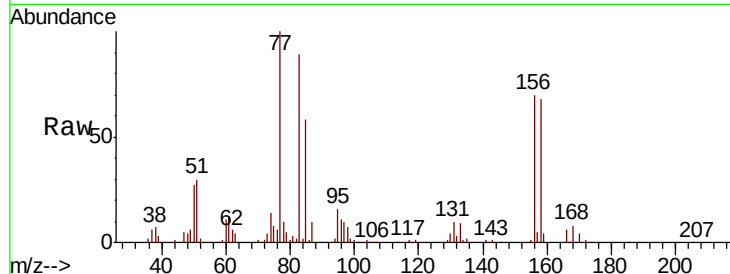
ClientSampleId :

VU0801MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	66.7	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 19.505 ug/l m

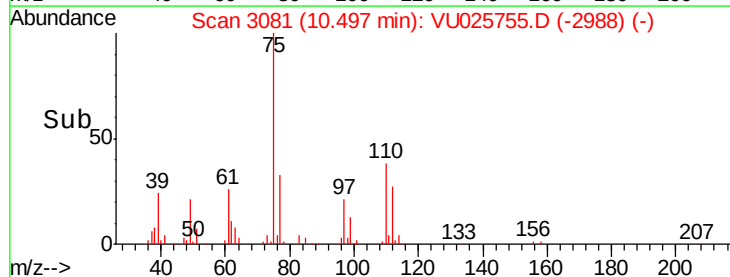
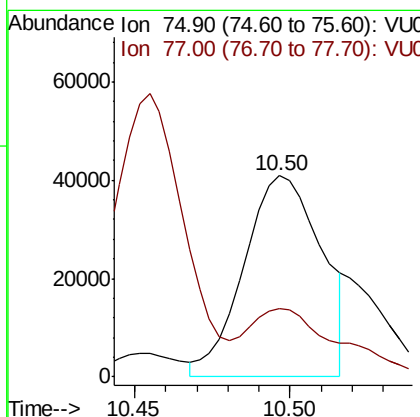
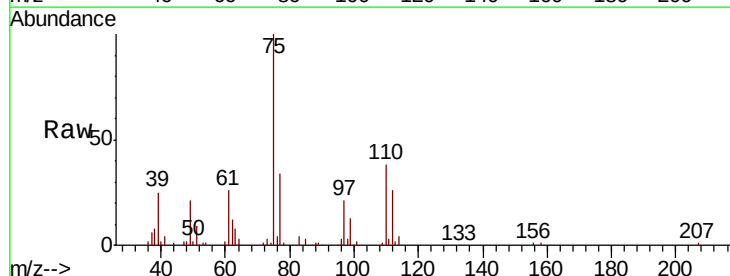
RT: 10.50 min Scan# 3081

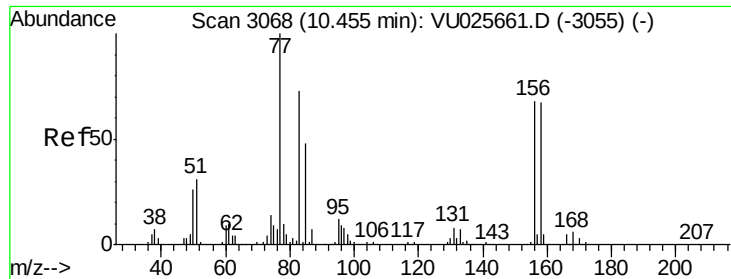
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.4	61.3





#77

Bromobenzene

Concen: 20.367 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

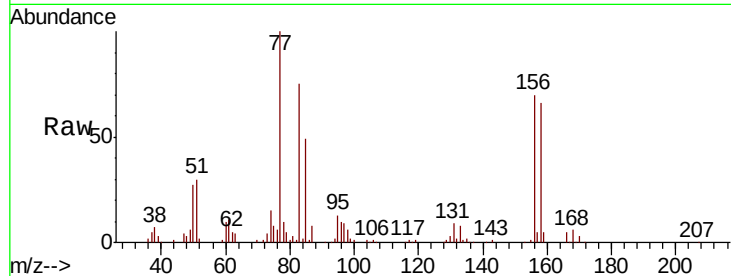
ClientSampleId :

VU0801MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	145.8	73.8	221.4
158	97.3	48.0	144.0

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8/2/2018 9:40:58 AM

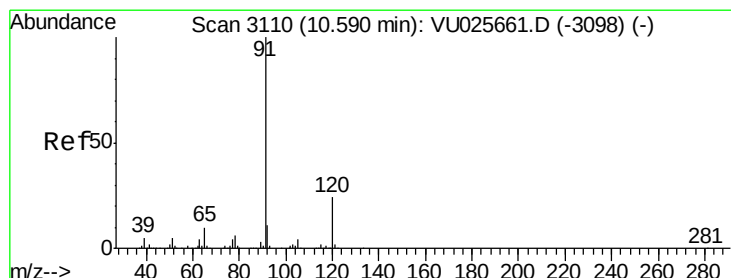
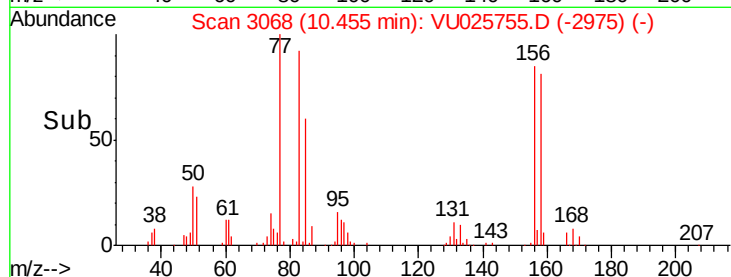
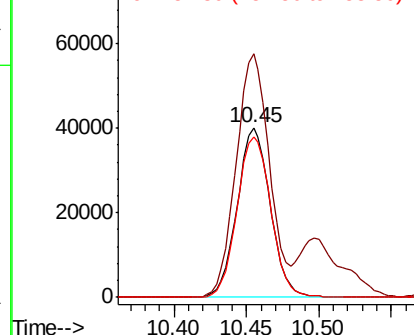


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.530 ug/l

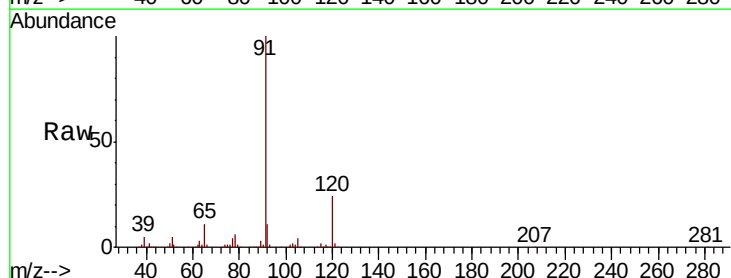
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

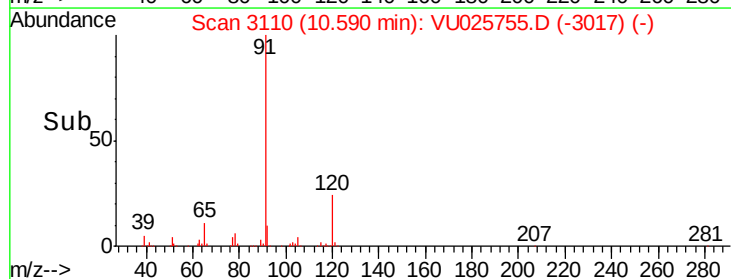
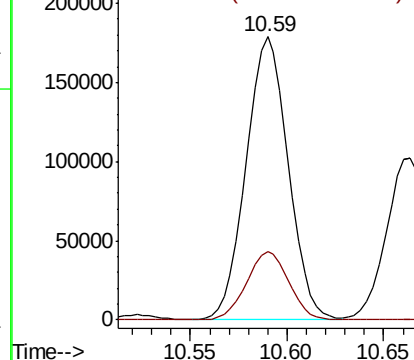
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.8	35.3

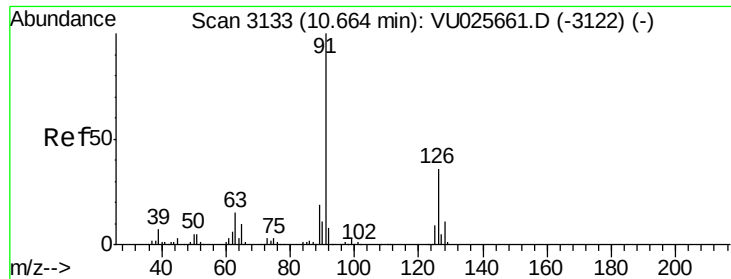


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.783 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion: 91 Resp: 160370

Ion Ratio Lower Upper

91 100

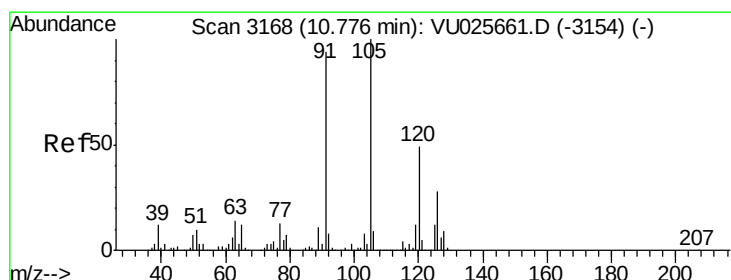
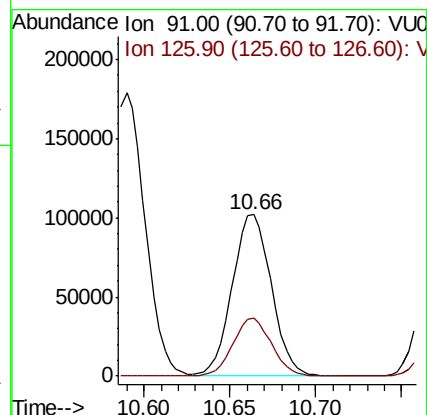
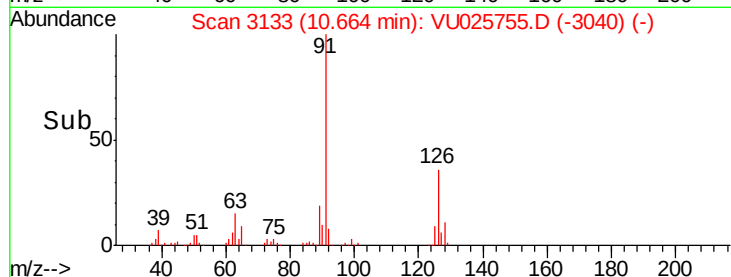
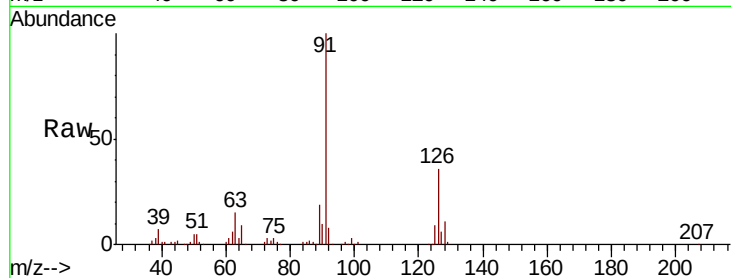
126 36.0 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 20.862 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025755.D

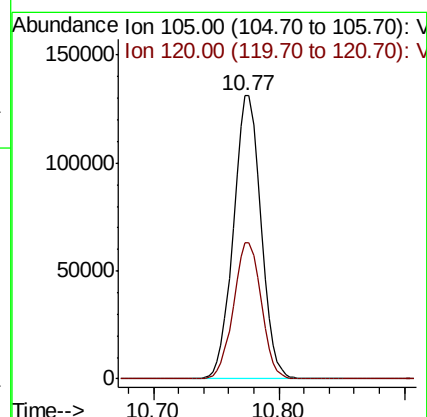
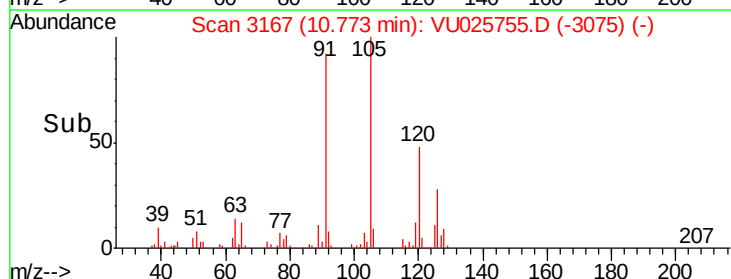
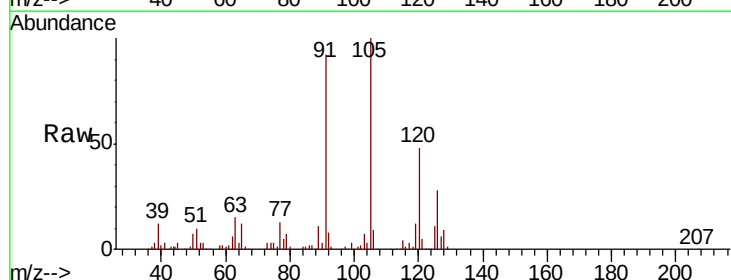
Acq: 31 Jul 2018 21:38

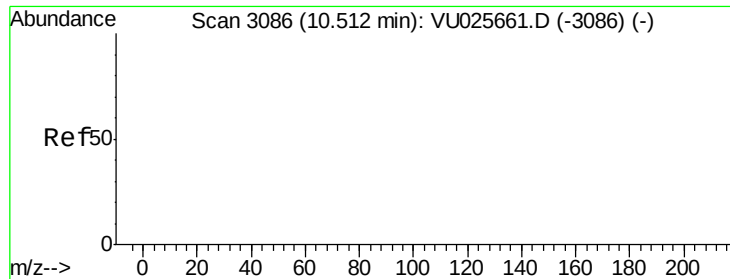
Tgt Ion: 105 Resp: 199992

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 13.348 ug/l m

RT: 10.52 min Scan# 3087

Delta R.T. 0.02 min

Lab File: VU025755.D

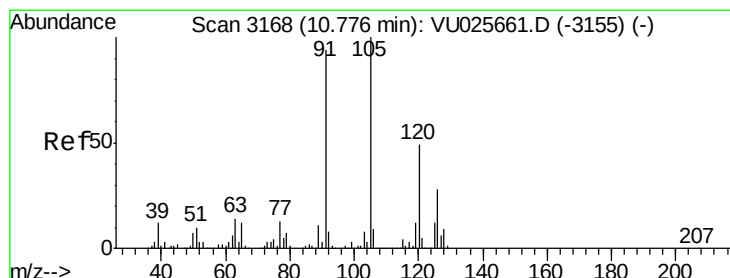
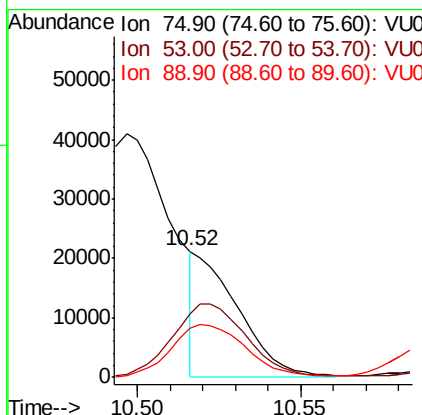
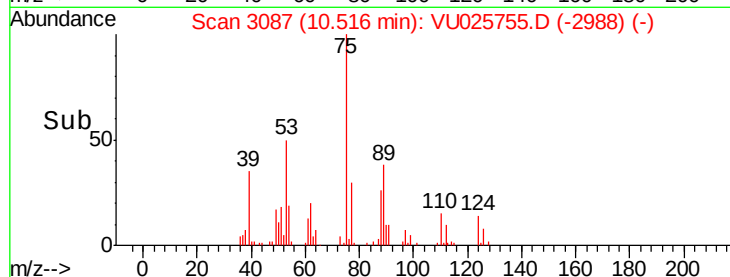
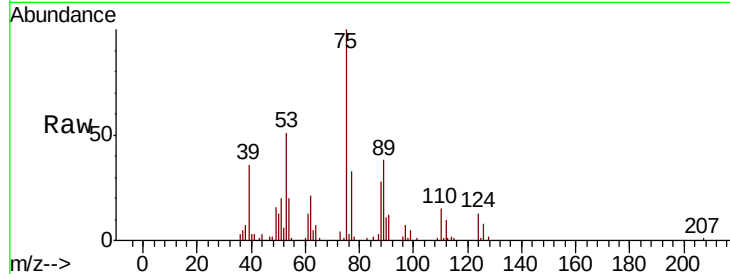
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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8/2/2018 9:40:58 AM



#82

4-Chlorotoluene

Concen: 20.848 ug/l

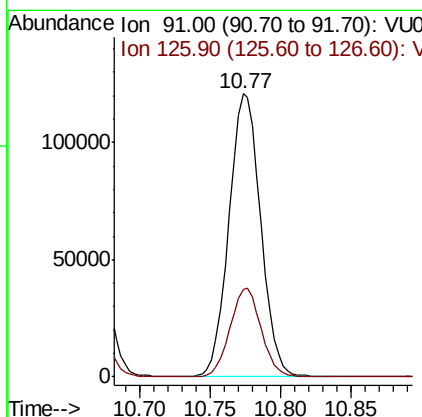
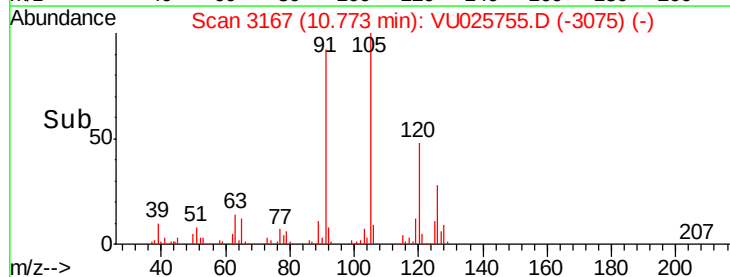
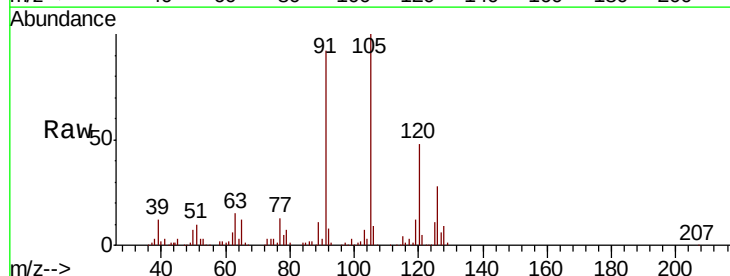
RT: 10.77 min Scan# 3167

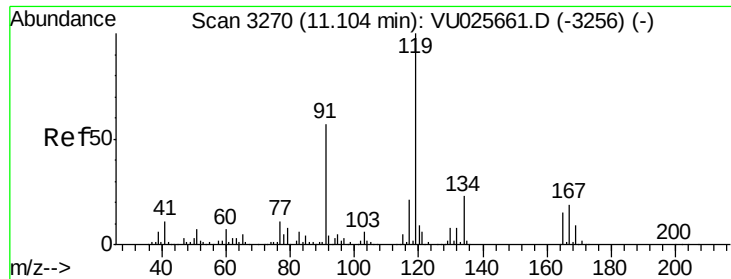
Delta R.T. -0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9





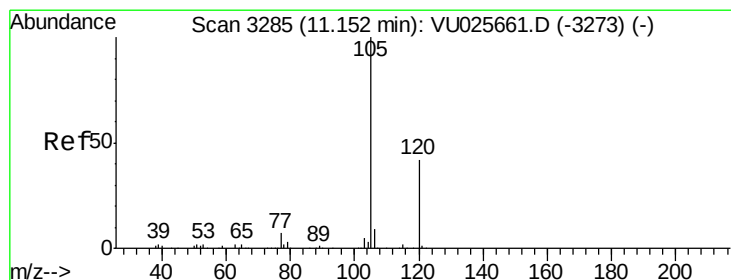
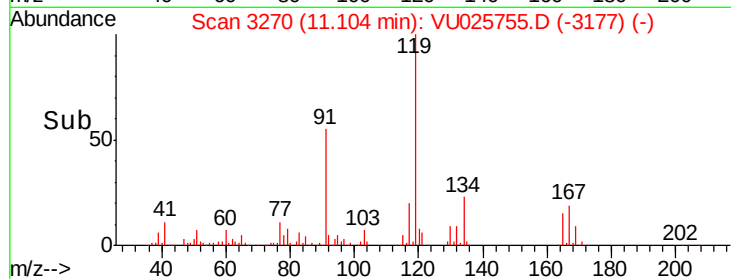
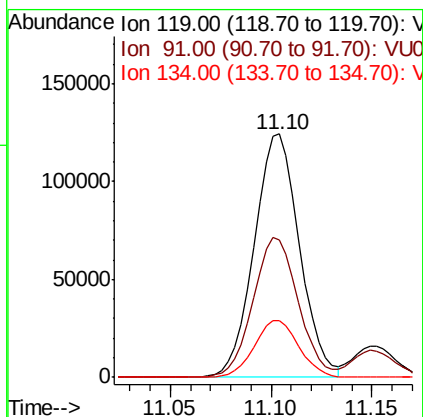
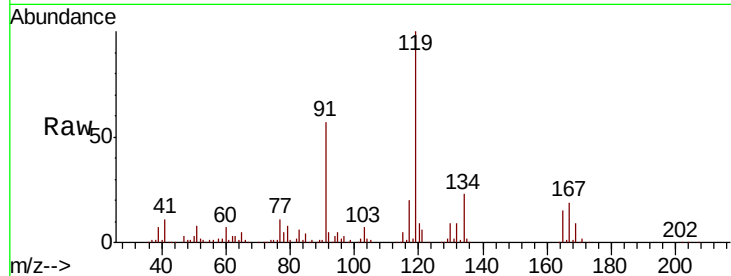
#83
 tert-Butylbenzene
 Concen: 20.436 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	194639		
91	57.3	29.7	89.1	
134	23.0	11.5	34.5	

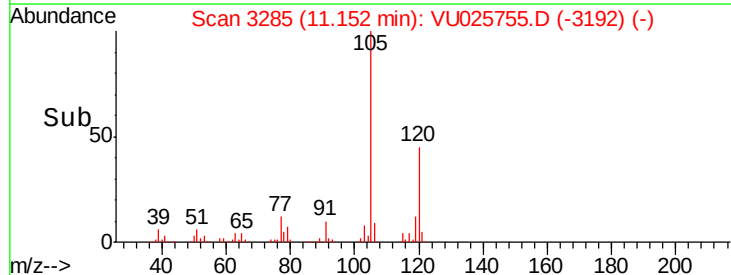
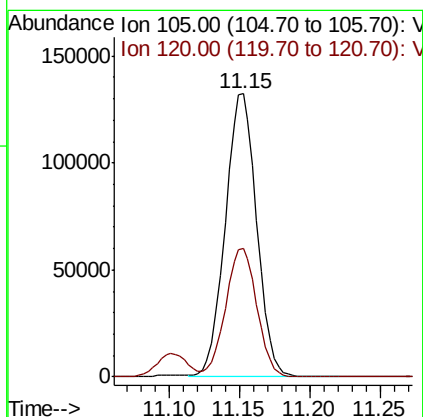
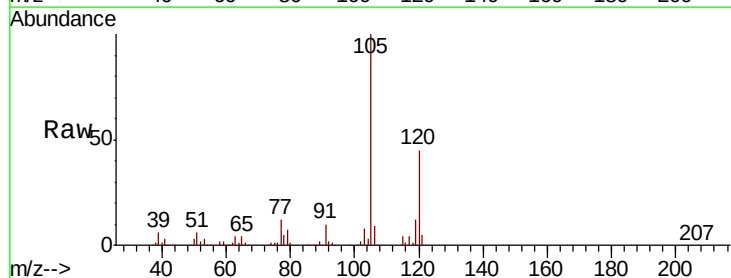
Manual Integrations
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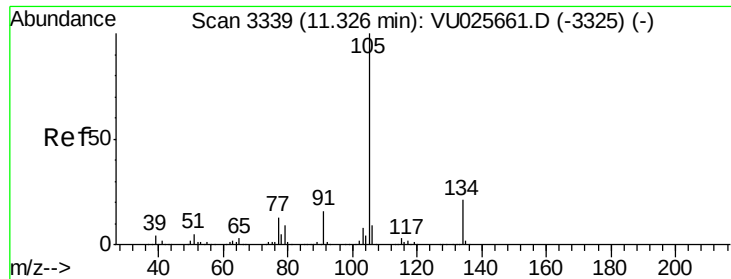
MMDadoda
 8/2/2018 9:40:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.084 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	204820		
120	45.4	22.3	66.8	





#85

sec-Butylbenzene

Concen: 20.452 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

ClientSampleId :

VU0801MBS01

Tot Ion:105 Resp: 237824

Ion Ratio Lower Upper

105 100

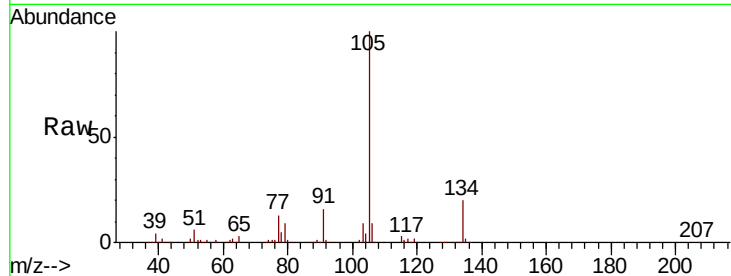
134 20.4 10.3 30.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

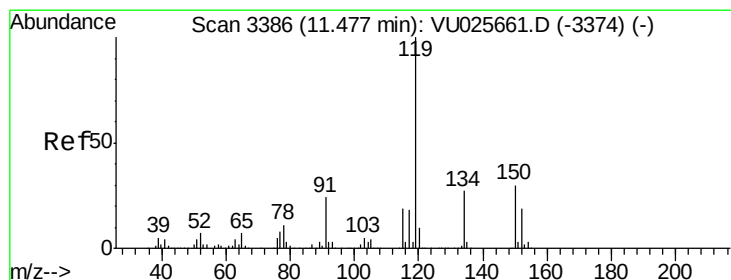
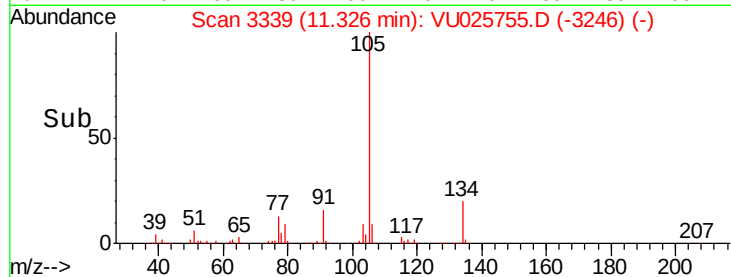
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.532 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

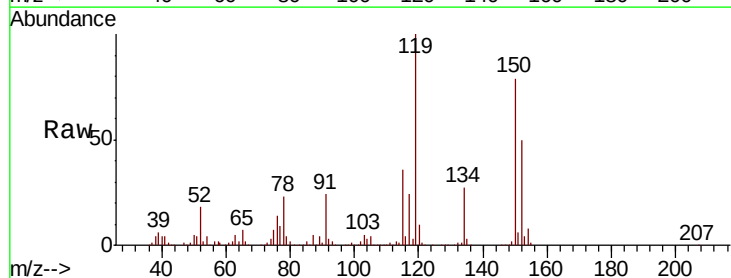
Tgt Ion:119 Resp: 213791

Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.1 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

200000

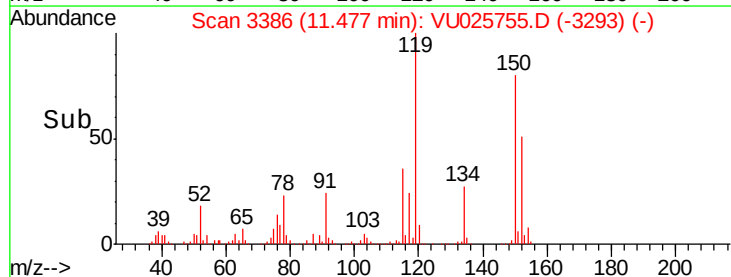
150000

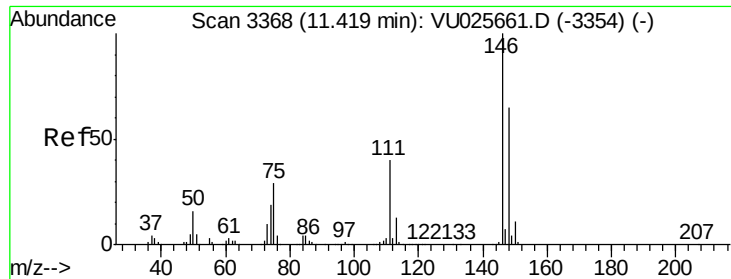
100000

50000

0

Time-->





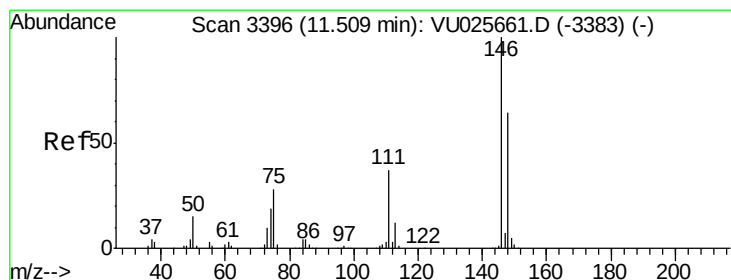
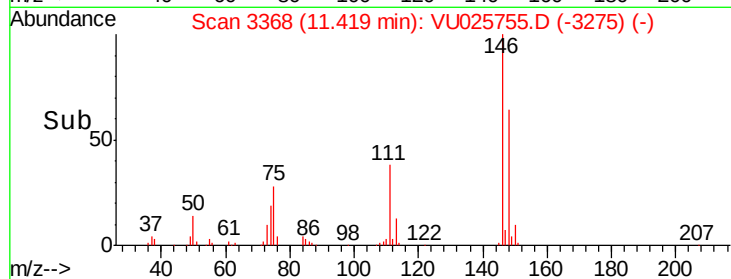
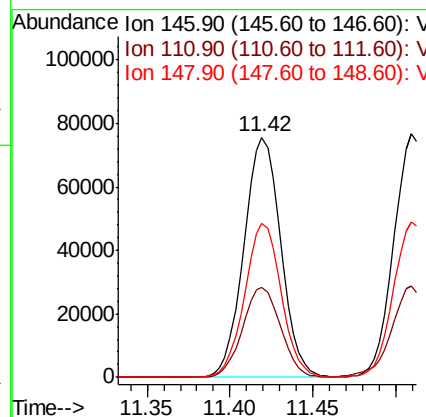
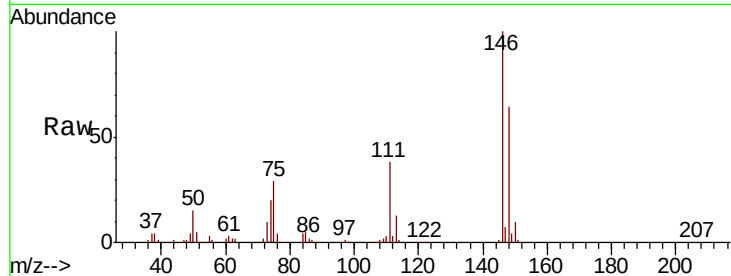
#87
 1,3-Dichlorobenzene
 Concen: 20.297 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	63.6	32.1	96.3

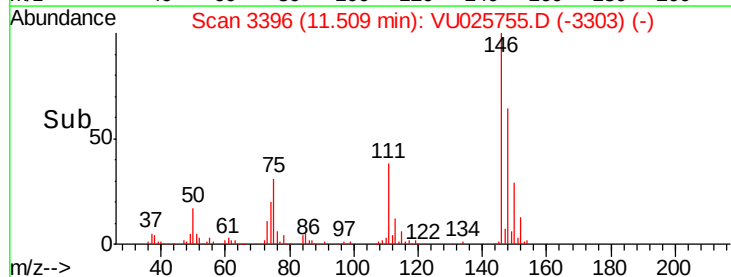
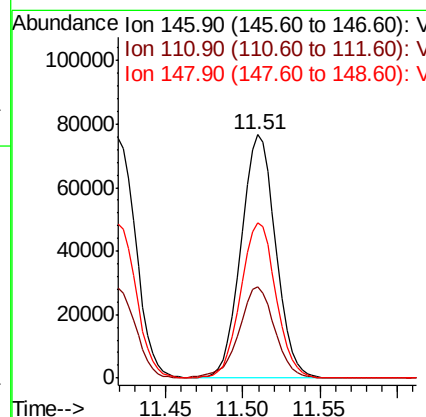
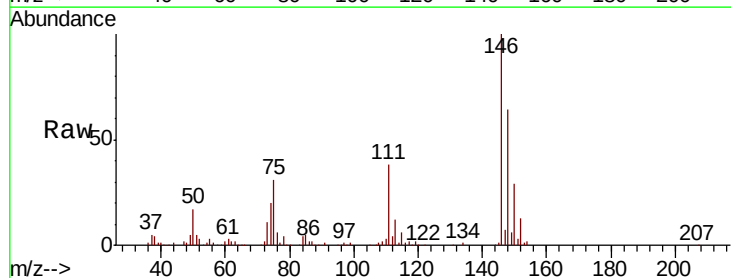
Manual Integrations
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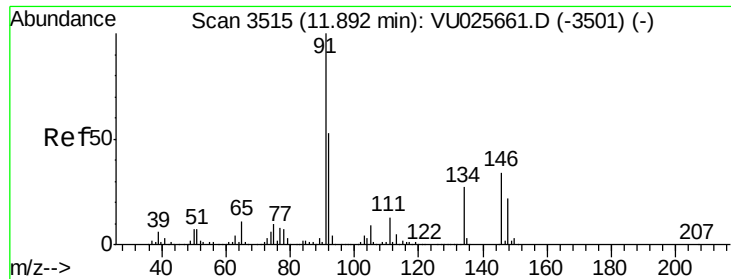
MMDadoda
 8/2/2018 9:40:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.715 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	65.3	31.7	95.1





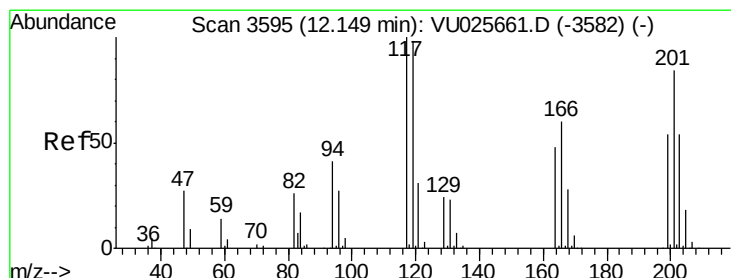
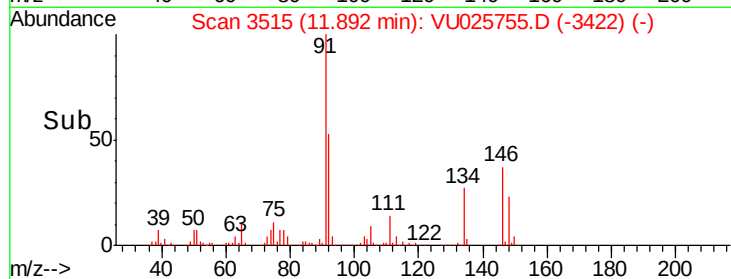
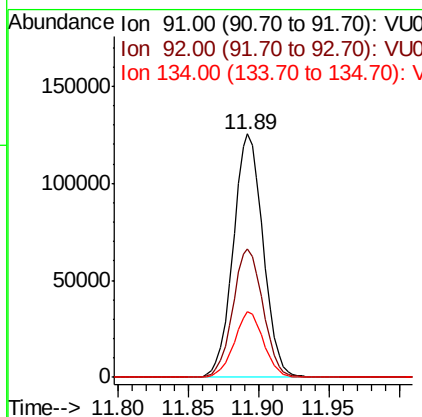
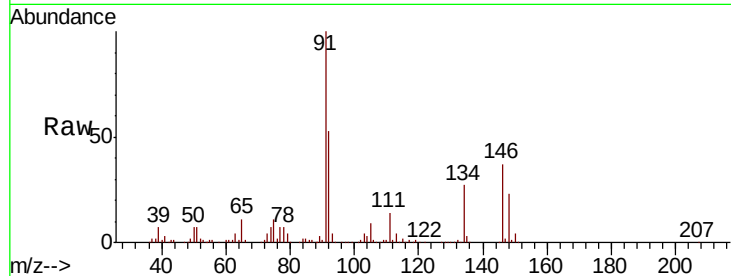
#89
n-Butylbenzene
Concen: 19.348 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.5
134	26.4	13.6	40.7

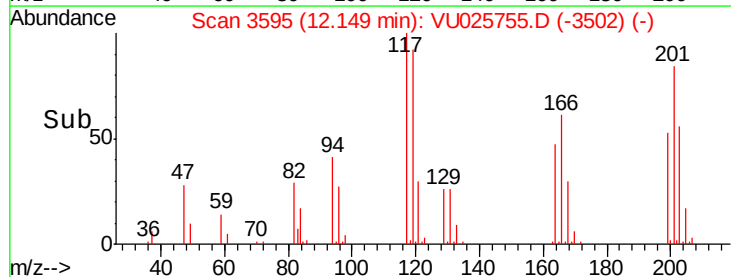
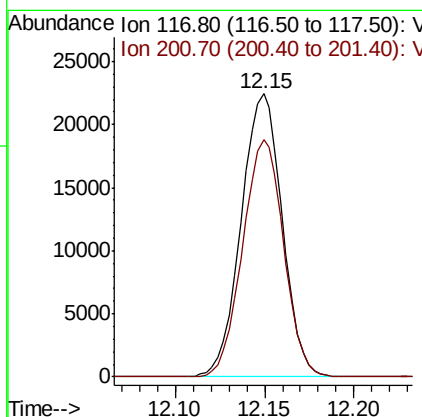
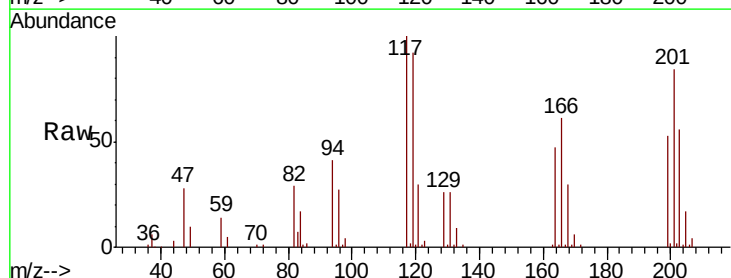
Manual Integrations
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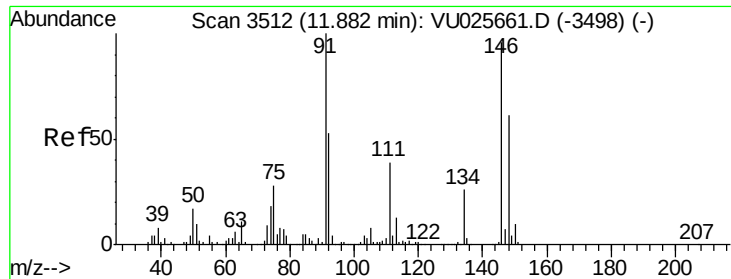
MMDadoda
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#90
Hexachloroethane
Concen: 19.518 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.788 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Instrument :

MSVOA_U

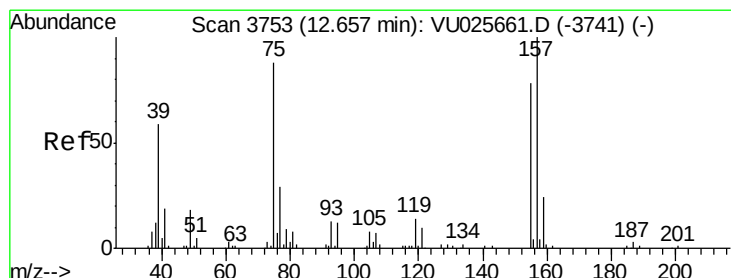
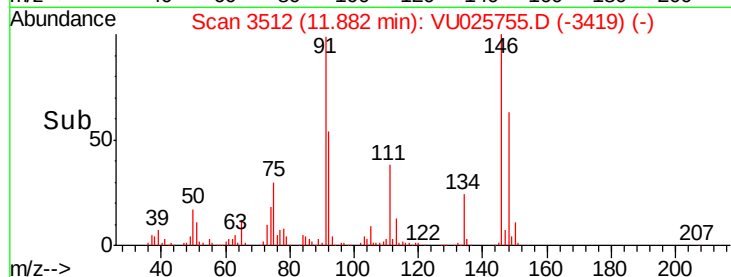
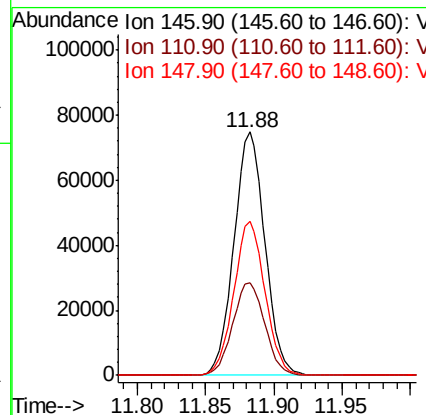
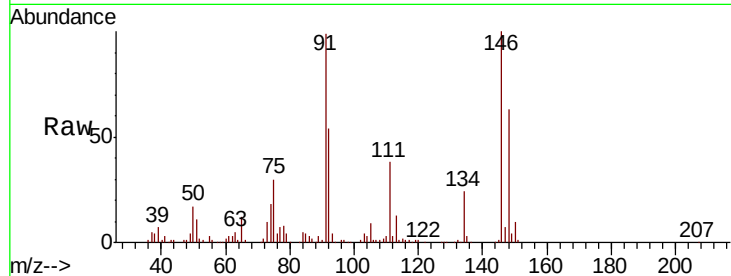
ClientSampled :

VU0801MBS01

Tot Ion:	146	Resp:	117753
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.6	61.8
148	63.8	31.5	94.5

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8/2/2018 9:40:58 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.056 ug/l

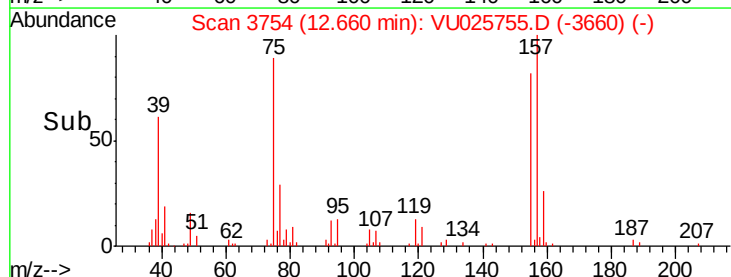
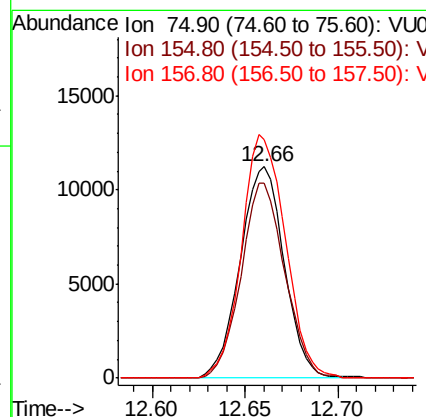
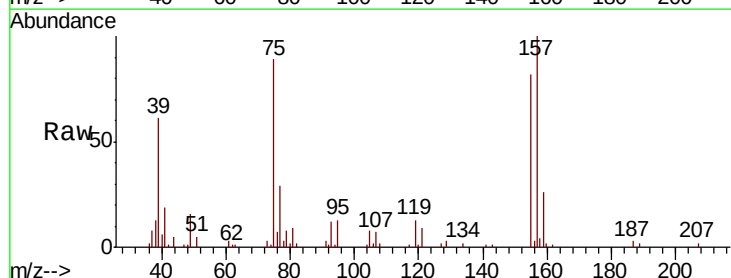
RT: 12.66 min Scan# 3754

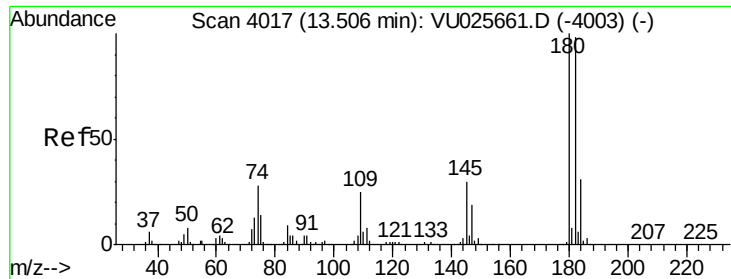
Delta R.T. 0.00 min

Lab File: VU025755.D

Acq: 31 Jul 2018 21:38

Tgt Ion:	75	Resp:	18560
Ion Ratio	Lower	Upper	
75	100		
155	91.0	44.5	133.3
157	114.2	57.0	170.8





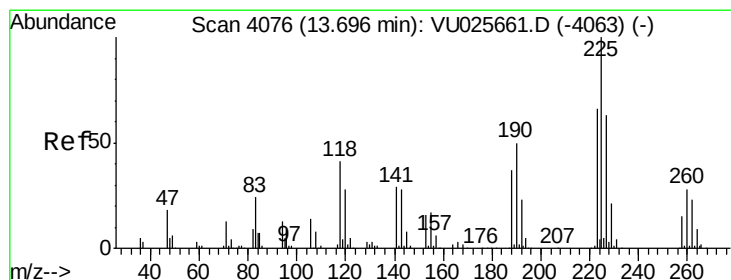
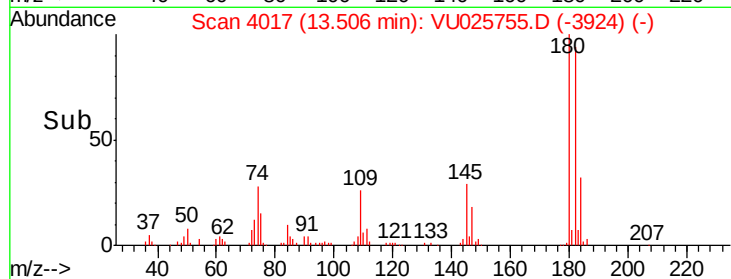
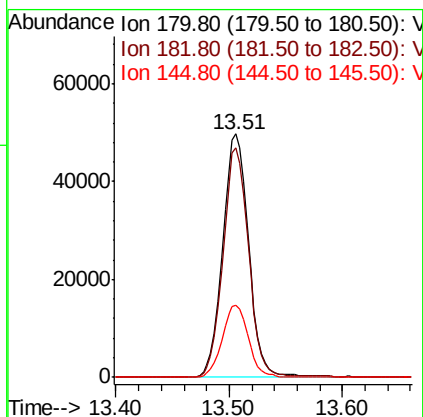
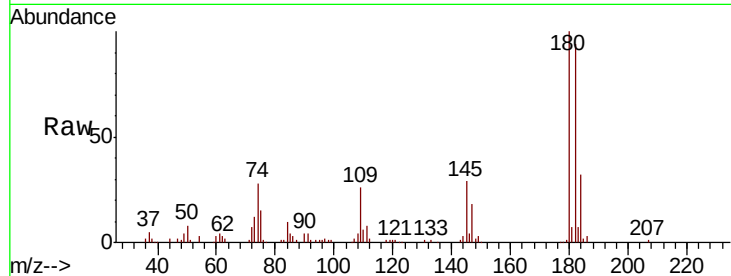
#93
 1,2,4-Trichlorobenzene
 Concen: 20.815 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0801MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.3	141.9
145	29.5	14.9	44.7

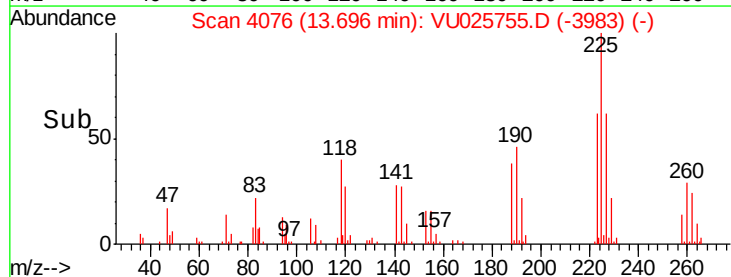
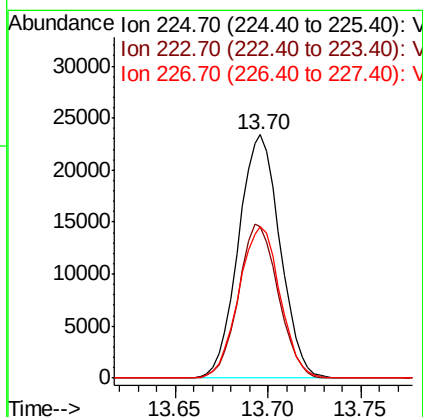
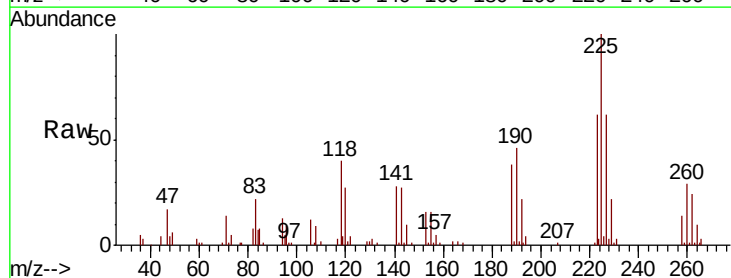
Manual Integrations
 APPROVED

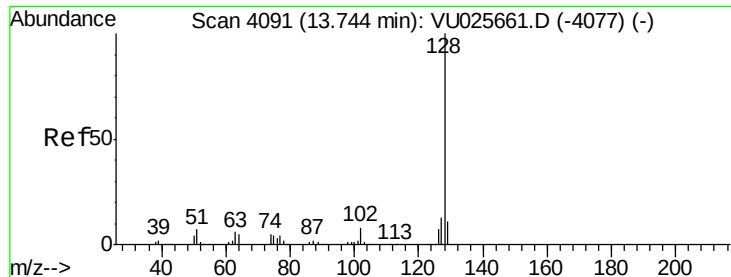
MMDadoda
 8/2/2018 9:40:58 AM



#94
 Hexachlorobutadiene
 Concen: 18.058 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025755.D
 Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.9	95.7
227	61.9	32.3	96.9





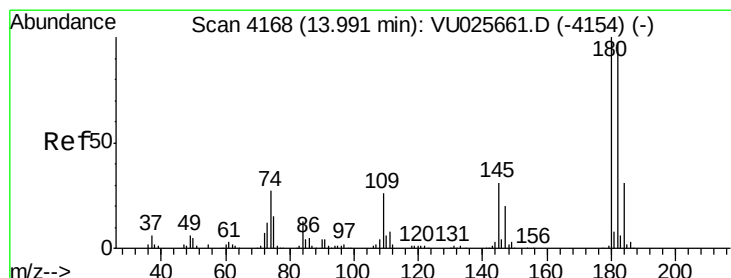
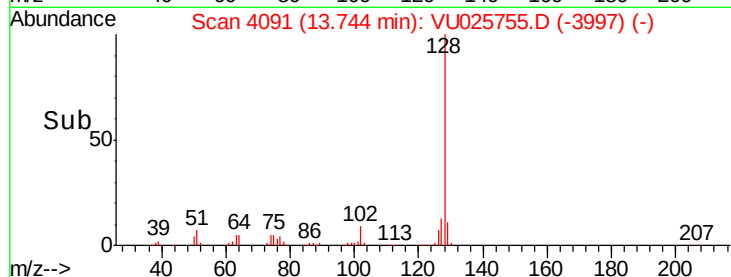
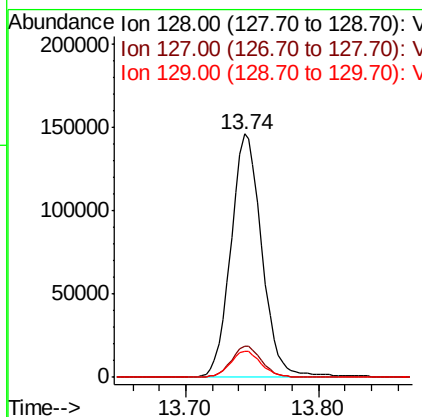
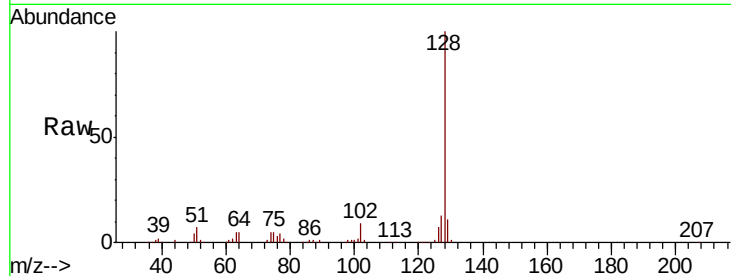
#95
Naphthalene
Concen: 20.083 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Instrument :
MSVOA_U
ClientSampleId :
VU0801MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	237201		
127	12.8		10.5	15.7
129	10.5		8.3	12.5

Manual Integrations
APPROVED

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8/2/2018 9:40:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.717 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. -0.00 min
Lab File: VU025755.D
Acq: 31 Jul 2018 21:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79010		
182	95.3		47.8	143.3
145	31.7		15.6	46.8

