

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025670.D
 Acq On : 27 Jul 2018 15:41
 Operator : MD/SY
 Sample : VU0727MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_U/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Manual Integrations
 APPROVED

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 7/31/2018 3:48:47 PM

Quant Time: Jul 28 04:55:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	183749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273554	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	258139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144016	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	4.89	113	117060	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	7.57	98	422022	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	10.31	95	162307	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	62181	22.39	ug/l	97
3) Chloromethane	1.33	50	53767	20.26	ug/l	99
4) Vinyl Chloride	1.40	62	50291	20.13	ug/l	100
5) Bromomethane	1.63	94	26181	21.46	ug/l	97
6) Chloroethane	1.70	64	27876	19.08	ug/l	93
7) Trichlorofluoromethane	1.89	101	74007	20.49	ug/l	99
8) Diethyl Ether	2.10	74	25288	19.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43938	21.02	ug/l	99
10) Methyl Iodide	2.41	142	28101	20.53	ug/l	98
11) Tert butyl alcohol	2.83	59	62368	99.50	ug/l	99
12) 1,1-Dichloroethene	2.28	96	39676	20.11	ug/l	98
13) Acrolein	2.19	56	19754	85.68	ug/l	97
14) Allyl chloride	2.59	41	68958	19.45	ug/l	95
15) Acrylonitrile	2.94	53	126152	100.80	ug/l	98
16) Acetone	2.32	43	149633	107.20	ug/l	97
17) Carbon Disulfide	2.48	76	123893	19.40	ug/l	100
18) Methyl Acetate	2.62	43	74412	22.15	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	142926	19.99	ug/l	99
20) Methylene Chloride	2.70	84	48414	19.57	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	45393	19.90	ug/l	98
22) Diisopropyl ether	3.57	45	140719	20.14	ug/l	94
23) Vinyl Acetate	3.53	43	609229	100.06	ug/l	100
24) 1,1-Dichloroethane	3.45	63	85345	20.35	ug/l	99
25) 2-Butanone	4.27	43	200060	105.29	ug/l	99
26) 2,2-Dichloropropane	4.23	77	79008	20.73	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	50292	19.56	ug/l	99
28) Bromochloromethane	4.55	49	39321	20.97	ug/l	100
29) Tetrahydrofuran	4.64	42	115876	101.79	ug/l	99
30) Chloroform	4.68	83	89060	20.12	ug/l	99
31) Cyclohexane	5.00	56	74837	19.69	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	80583	20.22	ug/l	99
36) 1,1-Dichloropropene	5.14	75	65100	20.36	ug/l	99
37) Ethyl Acetate	4.38	43	67757	20.44	ug/l	98
38) Carbon Tetrachloride	5.14	117	71608	19.78	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	74806	20.42	ug/l	96
40) Benzene	5.39	78	182921	19.57	ug/l	97
41) Methacrylonitrile	4.55	41	36994	20.09	ug/l	98
42) 1,2-Dichloroethane	5.41	62	73160	20.33	ug/l	99
43) Isopropyl Acetate	5.55	43	109399	19.97	ug/l	100
44) Trichloroethene	6.19	130	50461	19.39	ug/l	100
45) 1,2-Dichloropropane	6.44	63	48687	19.98	ug/l	95
46) Dibromomethane	6.56	93	34872	19.75	ug/l	97
47) Bromodichloromethane	6.76	83	66542	19.75	ug/l	99
48) Methyl methacrylate	6.63	41	56206	20.94	ug/l	98
49) 1,4-Dioxane	6.62	88	26903	411.79	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	349011	101.77	ug/l	100
52) Toluene	7.64	92	117257	20.20	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	75120	19.86	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	79372	20.43	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	47228	19.58	ug/l	99
56) Ethyl methacrylate	8.02	69	69623	20.20	ug/l	97
57) 1,3-Dichloropropane	8.25	76	80784	19.91	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	140046	94.25	ug/l	99
59) 2-Hexanone	8.36	43	279311	103.90	ug/l	99
60) Dibromochloromethane	8.48	129	55046	19.35	ug/l	98
61) 1,2-Dibromoethane	8.59	107	53920	20.10	ug/l	99
64) Tetrachloroethene	8.23	164	46803	20.60	ug/l	98
65) Chlorobenzene	9.12	112	134438	20.20	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	49465	20.55	ug/l	99
67) Ethyl Benzene	9.25	91	225172	20.42	ug/l	99
68) m/p-Xylenes	9.38	106	179162	42.33	ug/l	98
69) o-Xylene	9.78	106	83742	20.24	ug/l	96
70) Styrene	9.80	104	137025	20.51	ug/l	100
71) Bromoform	9.96	173	40457	19.38	ug/l #	100
73) Isopropylbenzene	10.17	105	230612	20.59	ug/l	98
74) N-amyl acetate	10.01	43	93981	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	77382	19.98	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	70198m	19.42	ug/l	
77) Bromobenzene	10.45	156	62496	20.23	ug/l	99
78) n-propylbenzene	10.59	91	274812	21.02	ug/l	99
79) 2-Chlorotoluene	10.66	91	160299	20.94	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	202020	21.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	55947m	38.81	ug/l	
82) 4-Chlorotoluene	10.78	91	192170	21.29	ug/l	99
83) tert-Butylbenzene	11.10	119	193520	20.48	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	205484	21.32	ug/l	99
85) sec-Butylbenzene	11.33	105	236985	20.54	ug/l	98
86) p-Isopropyltoluene	11.48	119	222336	21.52	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	118634	20.69	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	121648	20.35	ug/l	100
89) n-Butylbenzene	11.89	91	203236	21.32	ug/l	99
90) Hexachloroethane	12.15	117	35773	19.48	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	114457	20.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18717	20.39	ug/l	98

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QLast Update : Fri Jul 27 13:11:52 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	82346	21.71	ug/l	98
94) Hexachlorobutadiene	13.70	225	41637	20.82	ug/l	100
95) Naphthalene	13.75	128	245820	20.92	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	80877	21.37	ug/l	99

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

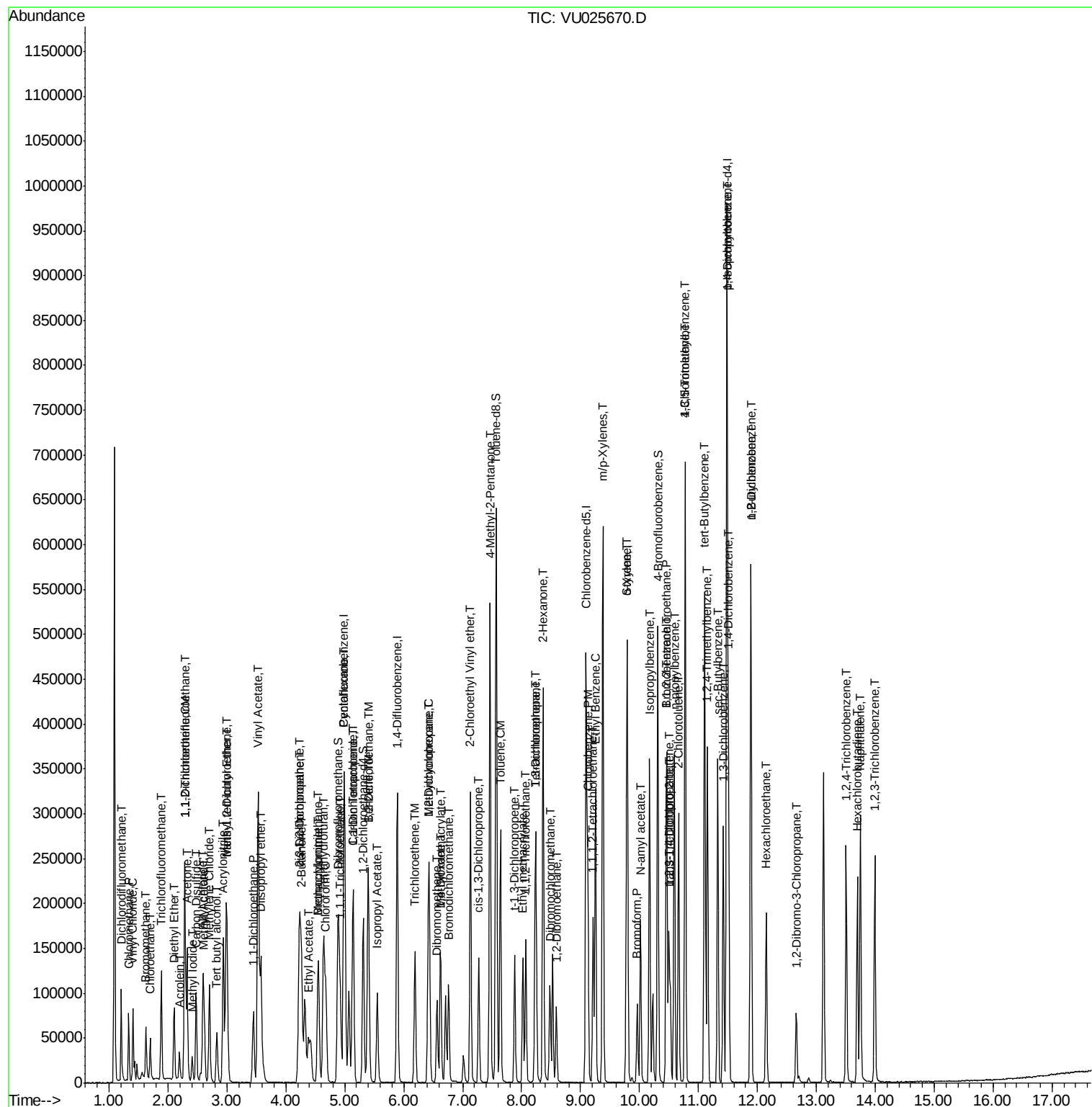
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 Acq On : 27 Jul 2018 15:41
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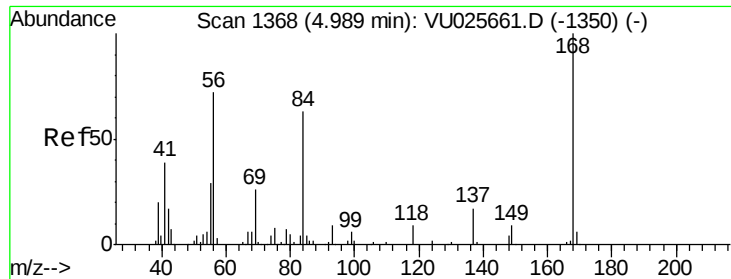
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion:168 Resp: 183749

Ion Ratio Lower Upper

168 100

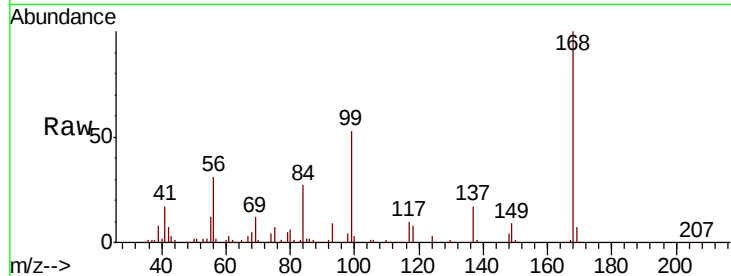
99 53.0 42.8 64.2

Manual Integrations

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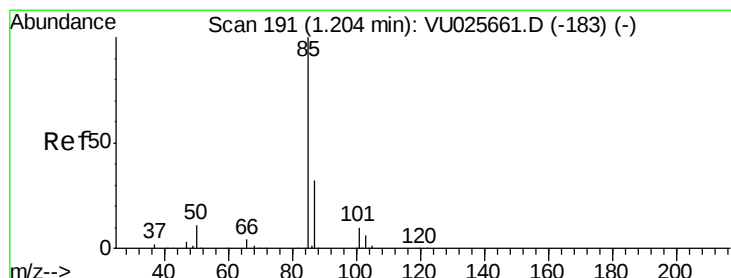
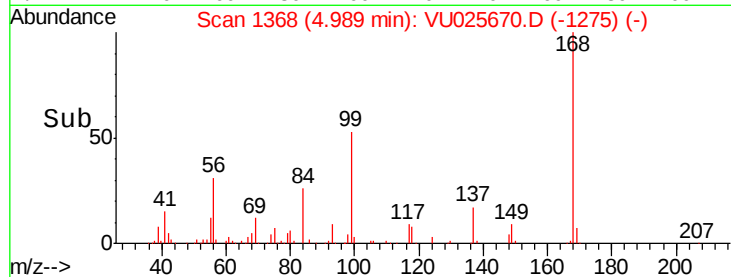
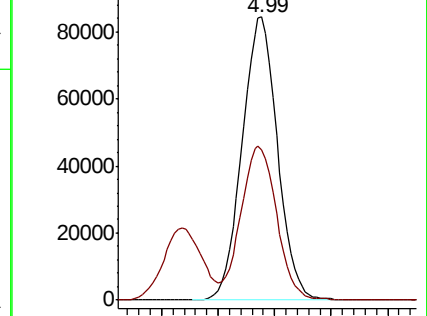
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Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025670.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 22.39 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025670.D

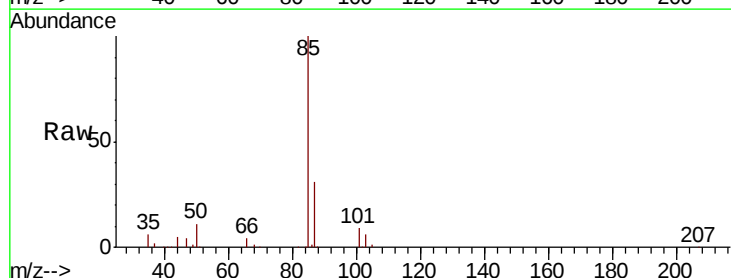
Acq: 27 Jul 2018 15:41

Tgt Ion: 85 Resp: 62181

Ion Ratio Lower Upper

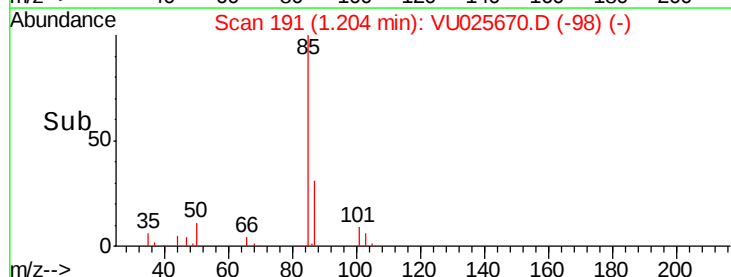
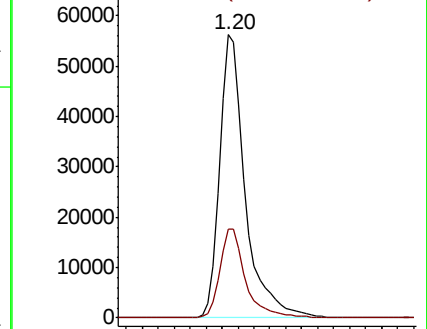
85 100

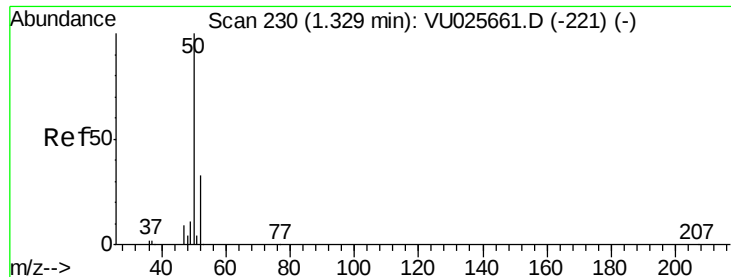
87 31.4 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025661.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025670.D (-98) (-)





#3

Chloromethane

Concen: 20.26 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 50 Resp: 53767

Ion Ratio Lower Upper

50 100

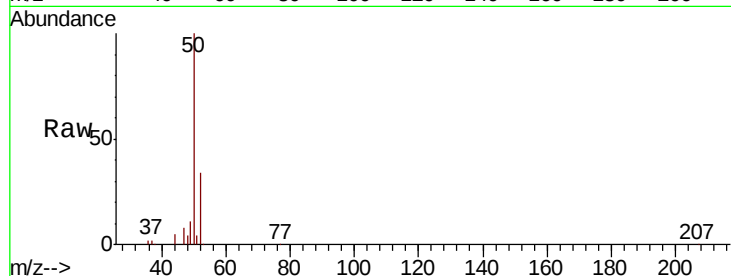
52 33.6 26.5 39.7

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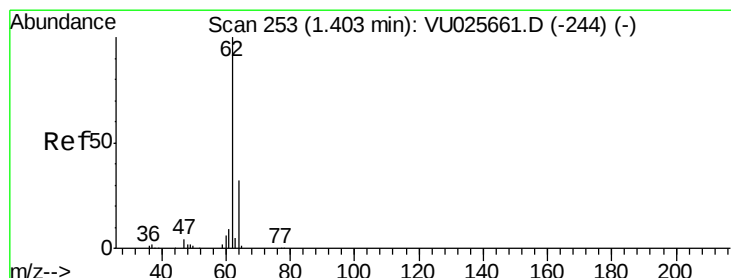
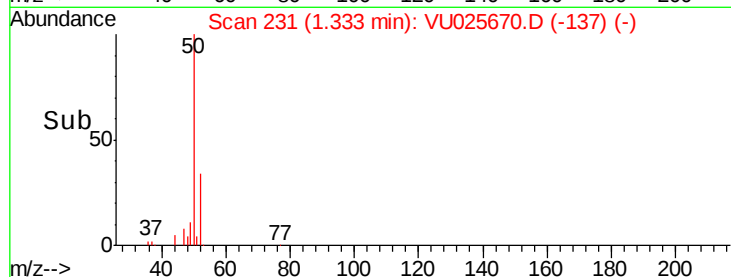
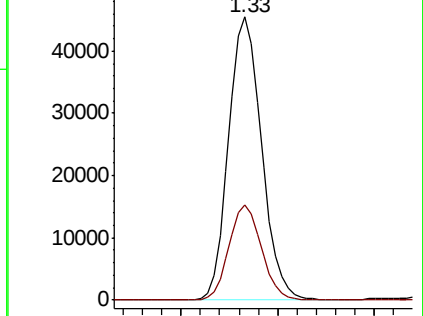
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.13 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025670.D

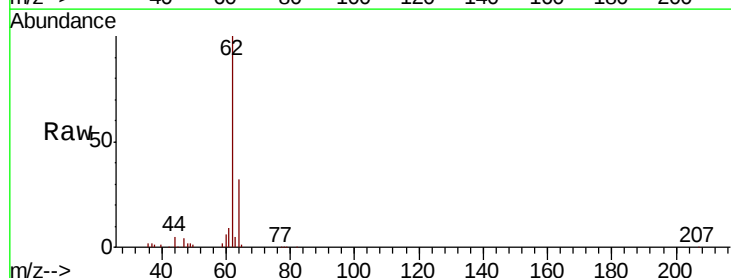
Acq: 27 Jul 2018 15:41

Tgt Ion: 62 Resp: 50291

Ion Ratio Lower Upper

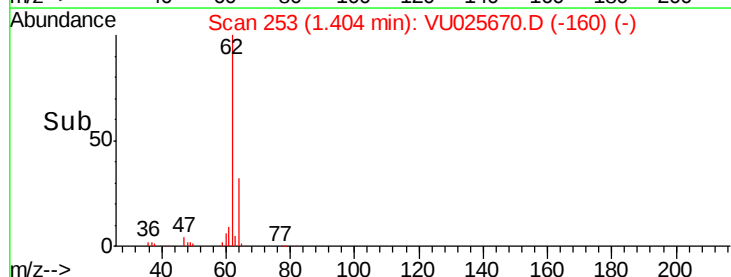
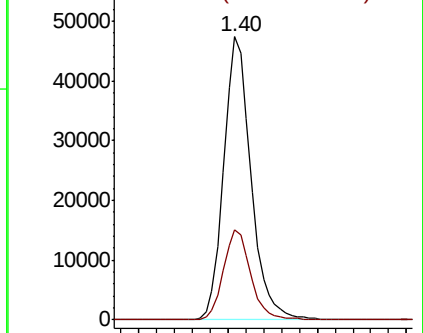
62 100

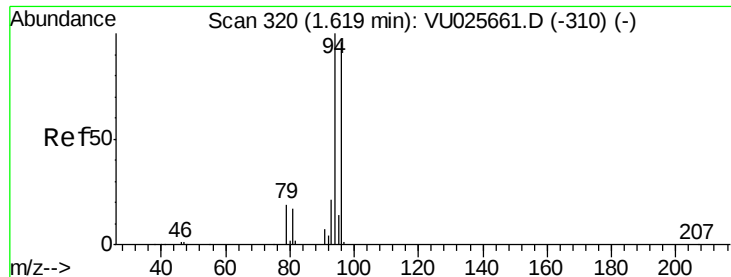
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 21.46 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 26181

Ion Ratio Lower Upper

94 100

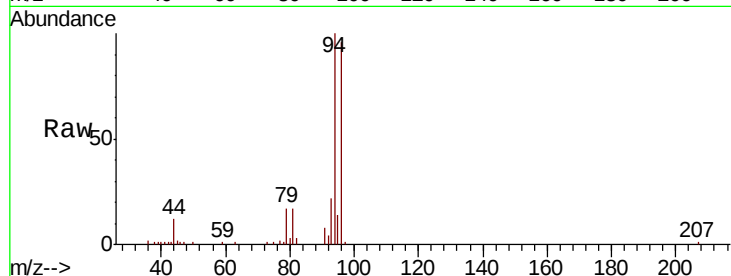
96 96.2 75.0 112.4

Manual Integrations

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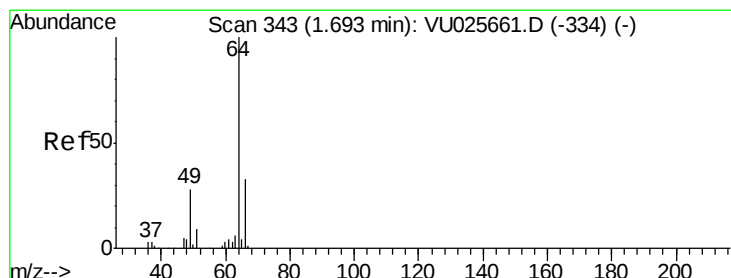
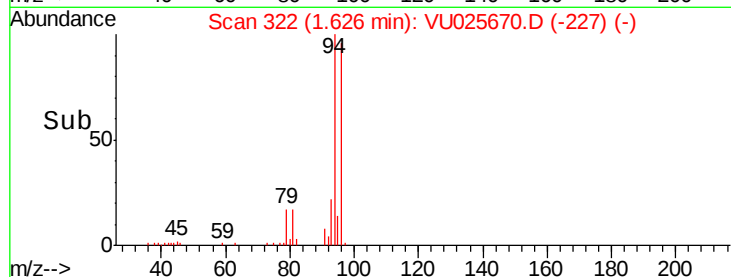
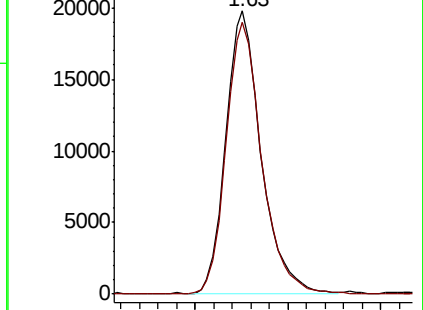
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Abundance Ion 93.90 (93.60 to 94.60): VU025661.D (-310) (-)

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



#6

Chloroethane

Concen: 19.08 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025670.D

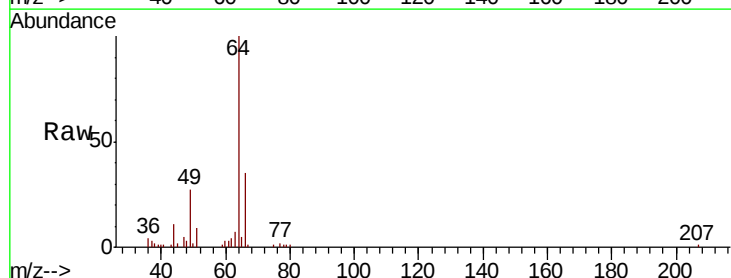
Acq: 27 Jul 2018 15:41

Tgt Ion: 64 Resp: 27876

Ion Ratio Lower Upper

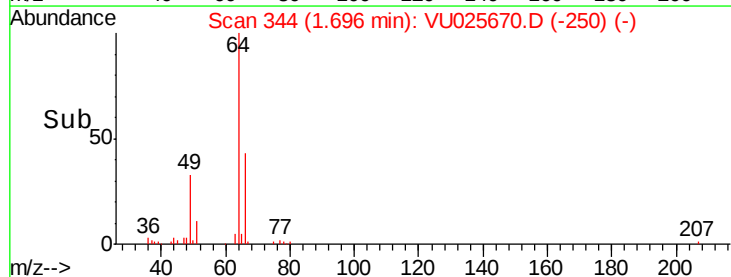
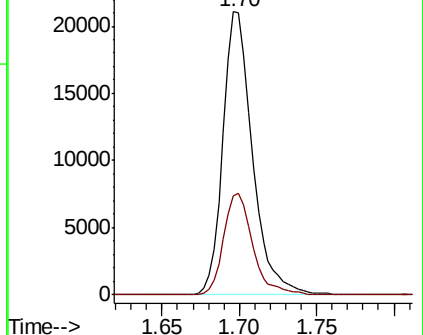
64 100

66 35.0 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) (-)





#7

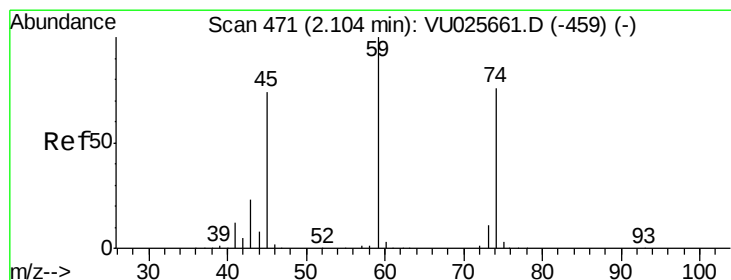
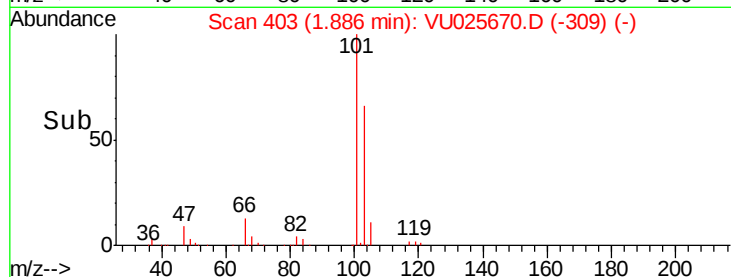
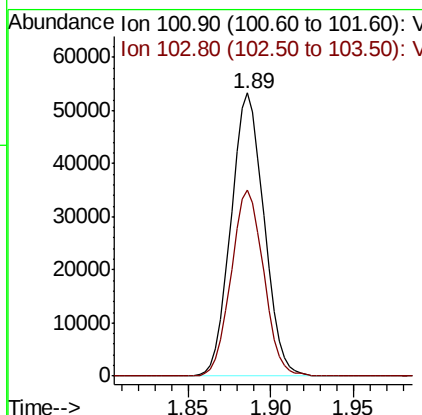
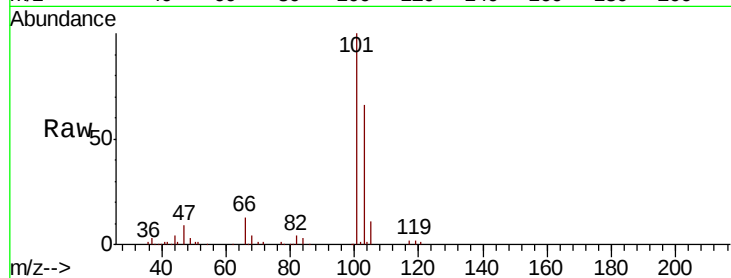
Trichlorofluoromethane
 Concen: 20.49 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025670.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.2	78.2

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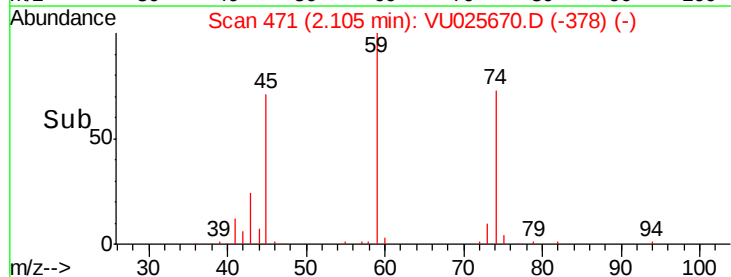
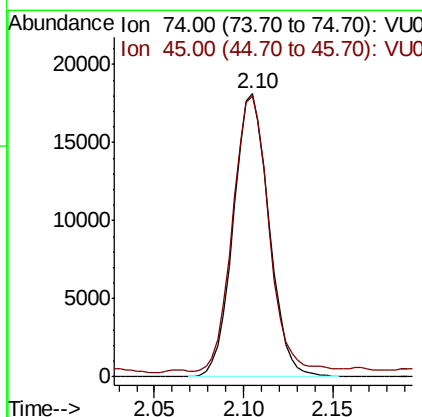
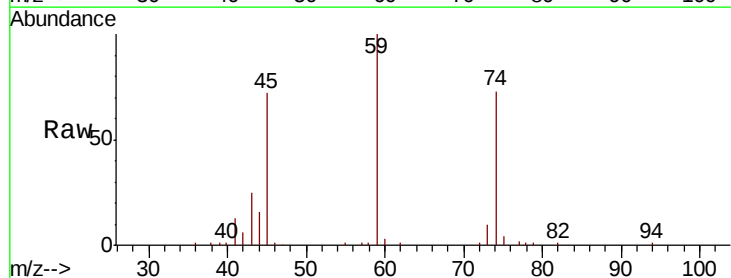
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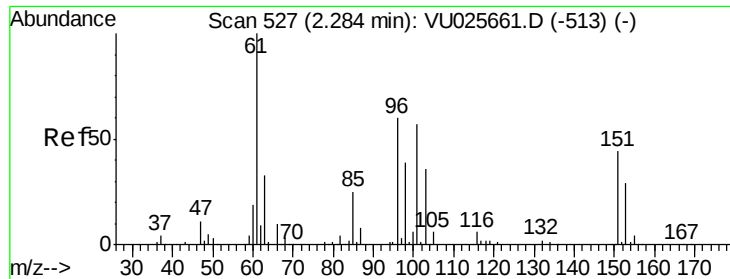


#8

Diethyl Ether
 Concen: 19.35 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.02 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

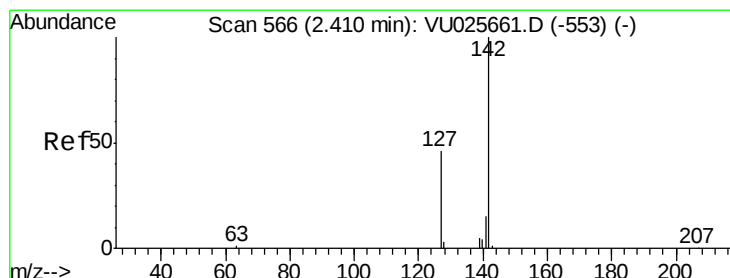
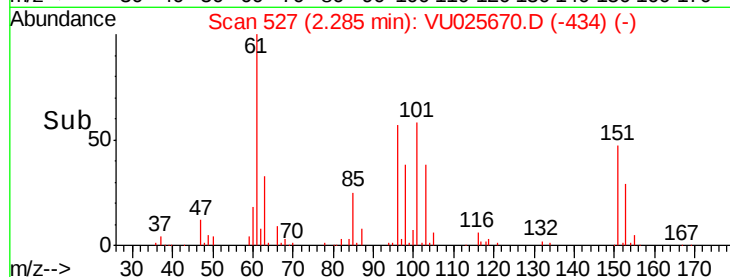
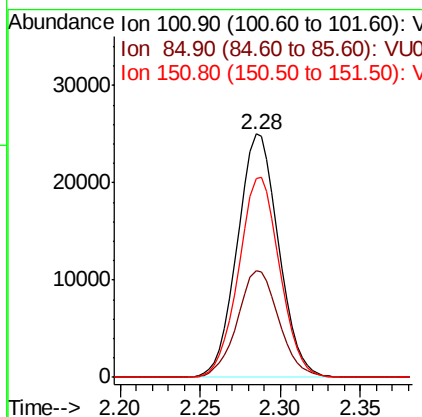
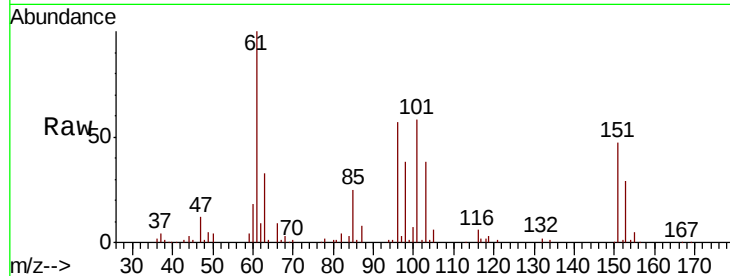
ClientSampleId :

VU0727MBS01

Tot Ion:	101	Resp:	43938
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	81.6	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.53 ug/l

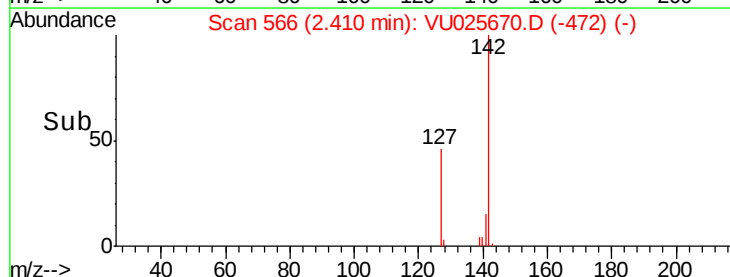
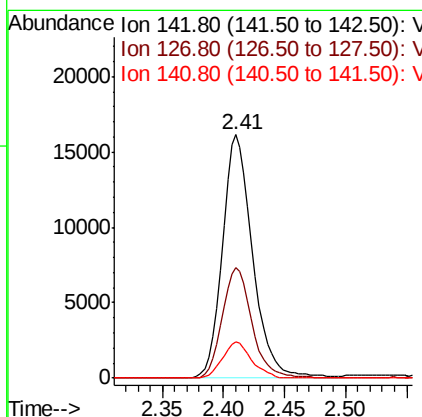
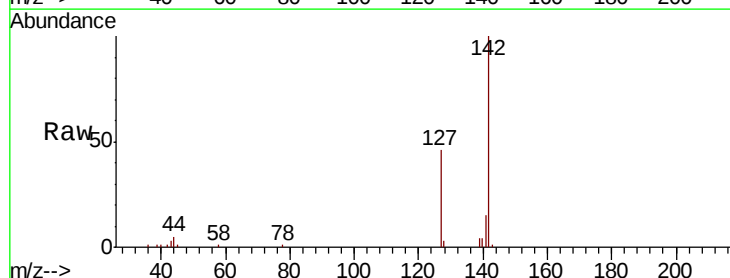
RT: 2.41 min Scan# 566

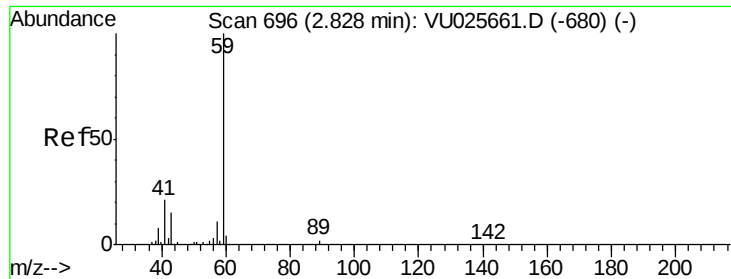
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	142	Resp:	28101
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.5	54.7
141	14.3	11.4	17.2





#11

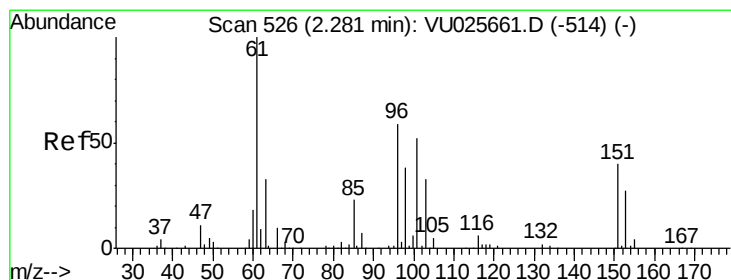
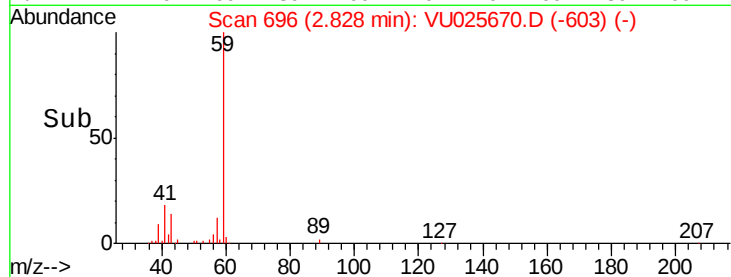
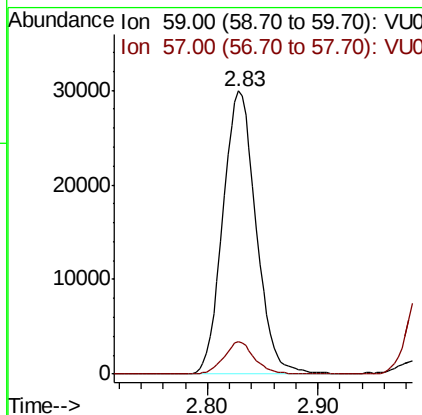
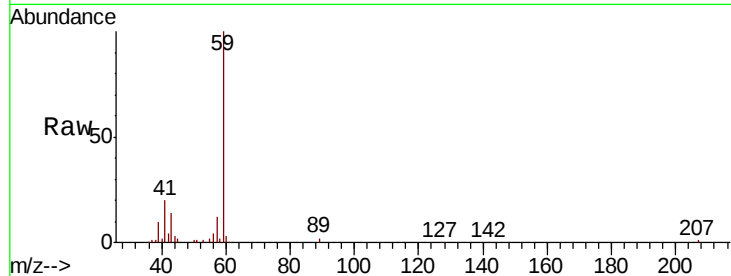
Tert butyl alcohol
 Concen: 99.50 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.2	12.2

Manual Integrations
 APPROVED

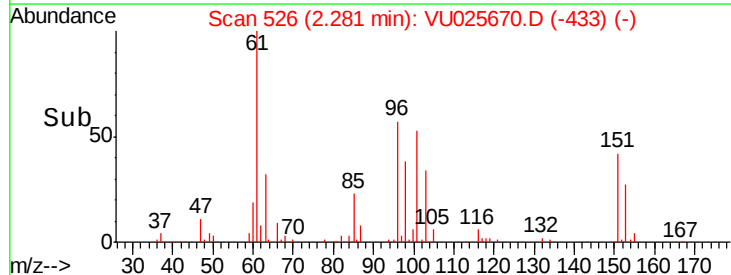
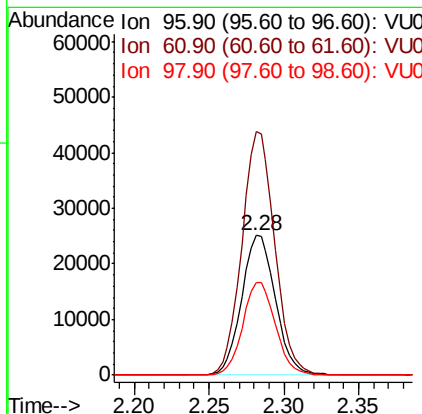
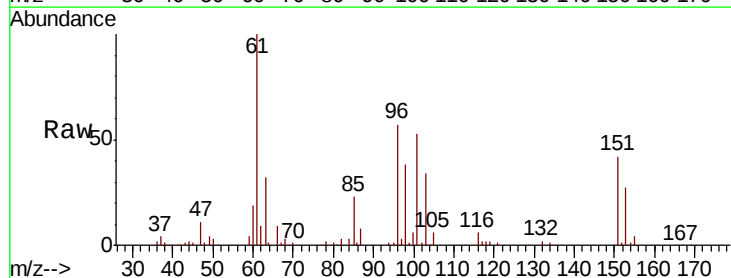
MMDadoda
 7/31/2018 3:48:47 PM

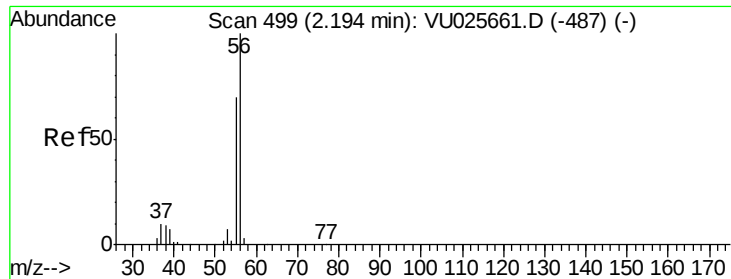


#12

1,1-Dichloroethene
 Concen: 20.11 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.3	140.2	210.4
98	66.7	49.3	73.9





#13

Acrolein

Concen: 85.68 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 56 Resp: 19754

Ion Ratio Lower Upper

56 100

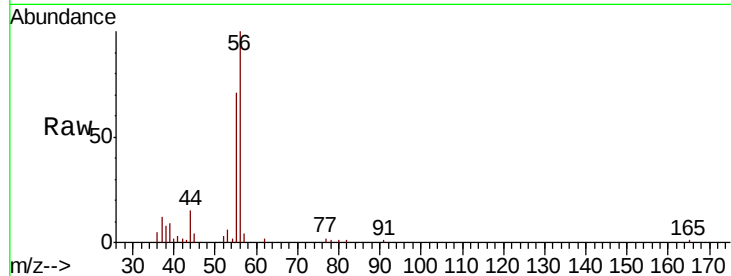
55 74.3 57.2 85.8

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

15000

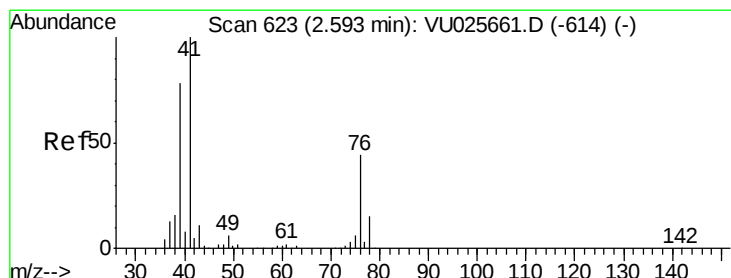
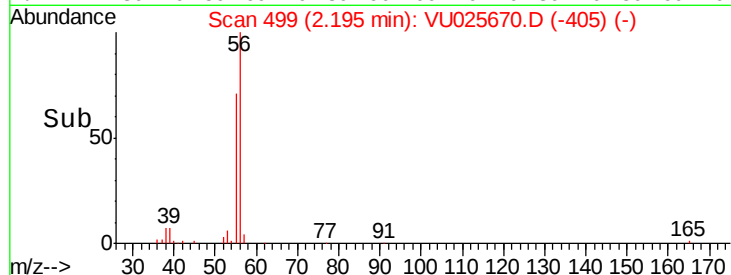
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 19.45 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

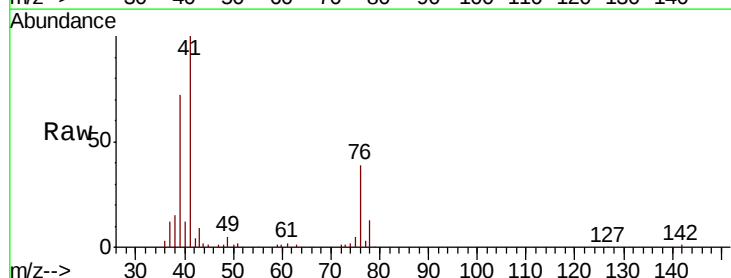
Tgt Ion: 41 Resp: 68958

Ion Ratio Lower Upper

41 100

39 70.0 60.6 91.0

76 37.4 30.5 45.7



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

50000

40000

30000

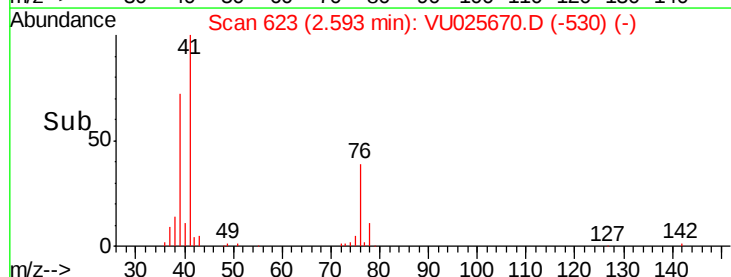
20000

10000

0

2.55 2.60 2.65 2.70

Time-->





#15

Acrylonitrile

Concen: 100.80 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

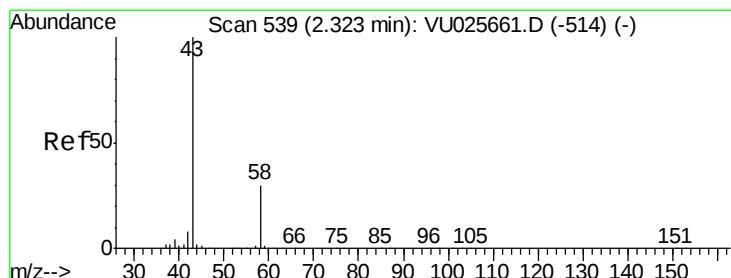
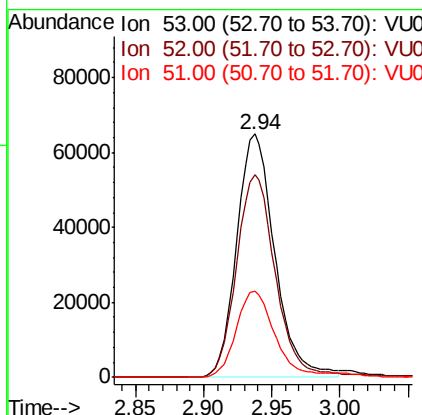
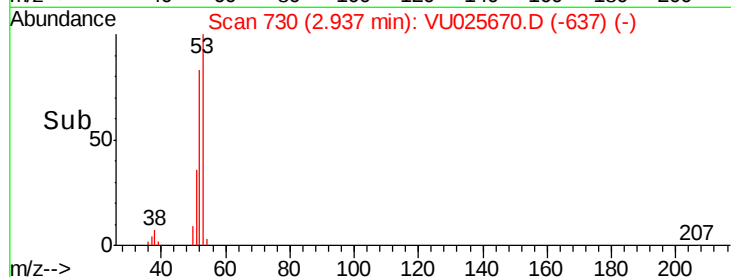
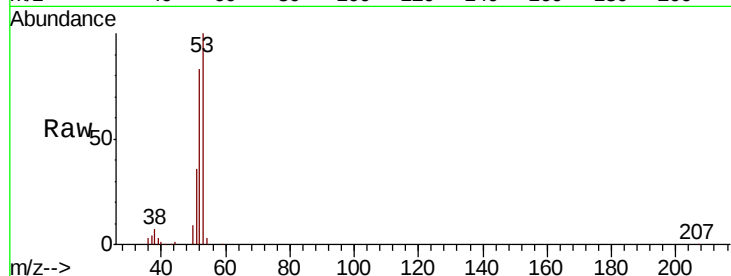
ClientSampleId :

VU0727MBS01

Tot Ion:	53	Resp:	126152
Ion Ratio	Lower	Upper	
53	100		
52	84.6	66.6	99.8
51	36.0	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 107.20 ug/l

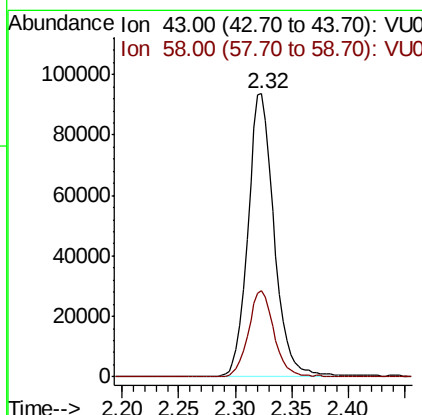
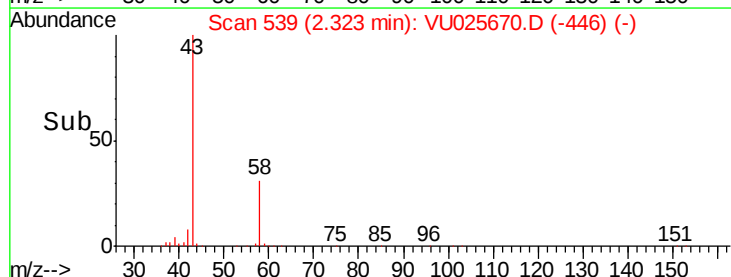
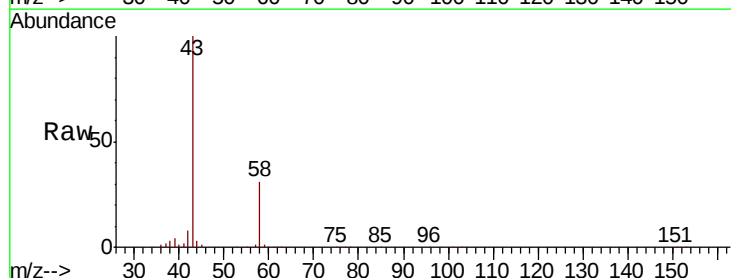
RT: 2.32 min Scan# 539

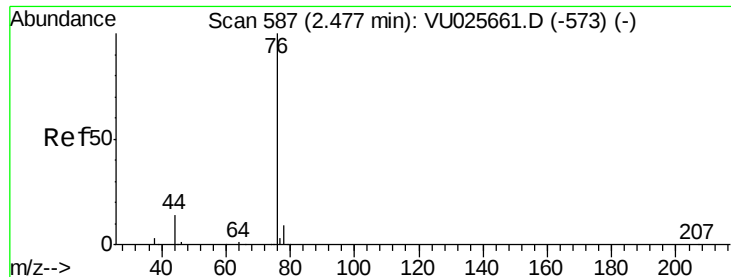
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	43	Resp:	149633
Ion Ratio	Lower	Upper	
43	100		
58	30.6	23.1	34.7





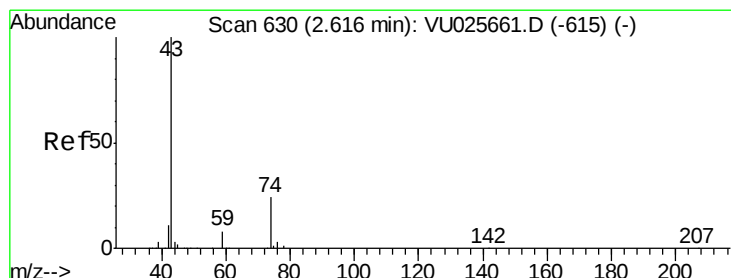
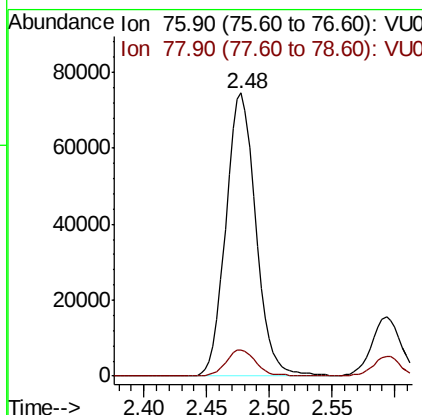
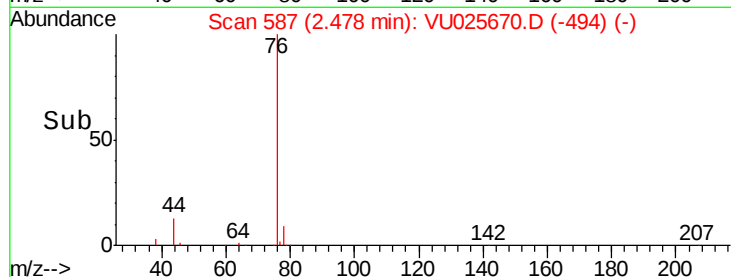
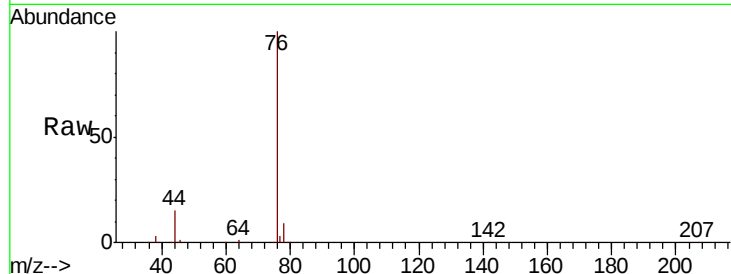
#17
Carbon Disulfide
Concen: 19.40 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

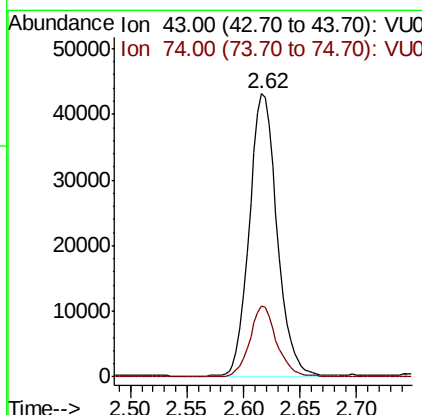
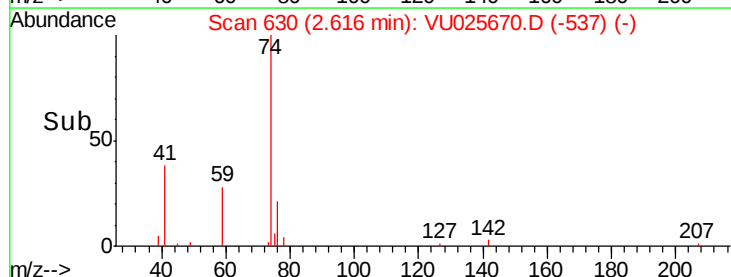
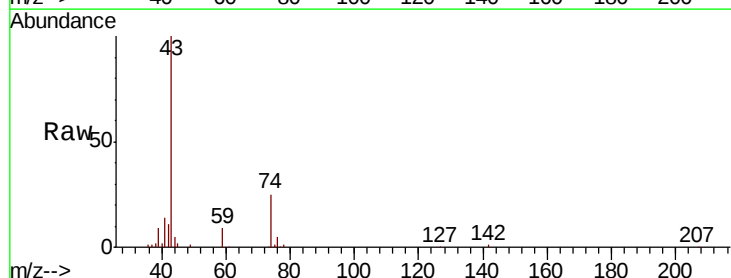
Manual Integrations
APPROVED

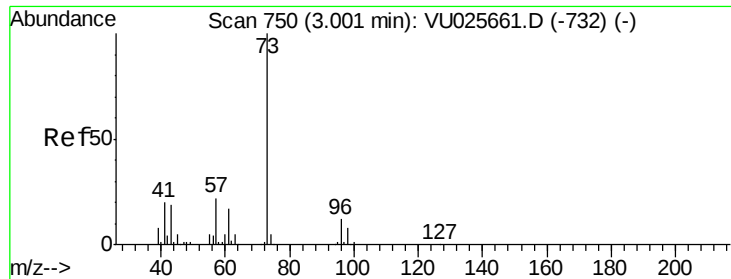
MMDadoda
7/31/2018 3:48:47 PM



#18
Methyl Acetate
Concen: 22.15 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.5	27.7





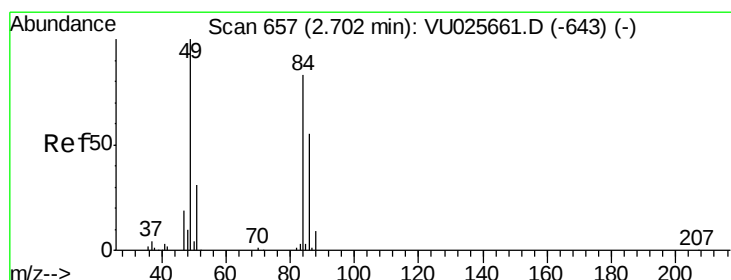
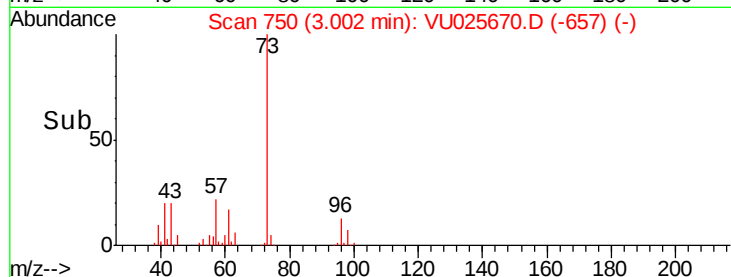
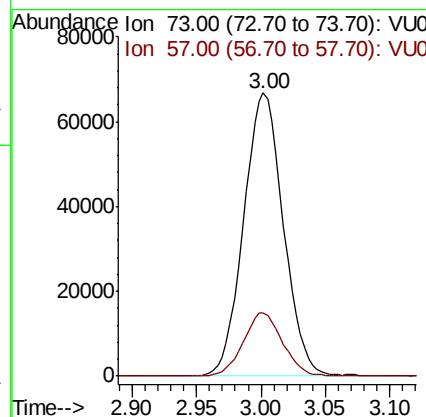
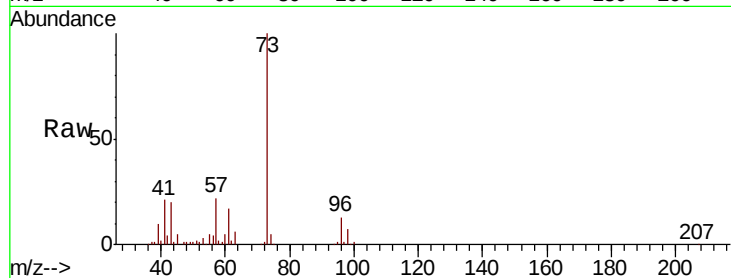
#19
Methvl tert-butvl Ether
Concen: 19.99 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.4	26.2

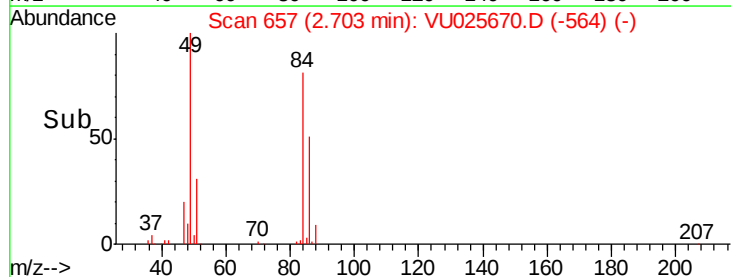
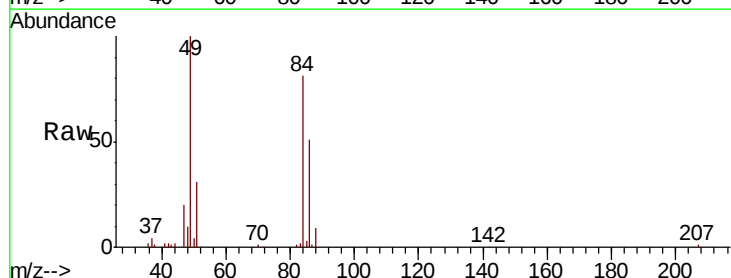
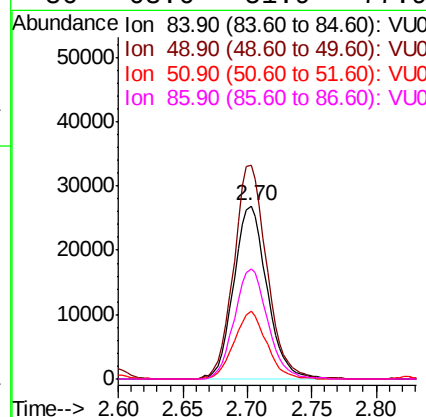
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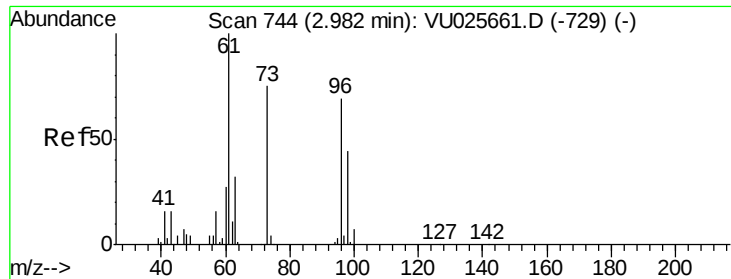
MMDadoda
7/31/2018 3:48:47 PM



#20
Methylene Chloride
Concen: 19.57 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.8	152.6
51	38.9	30.8	46.2
86	63.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

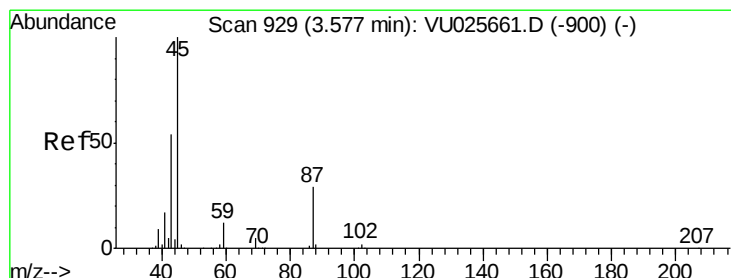
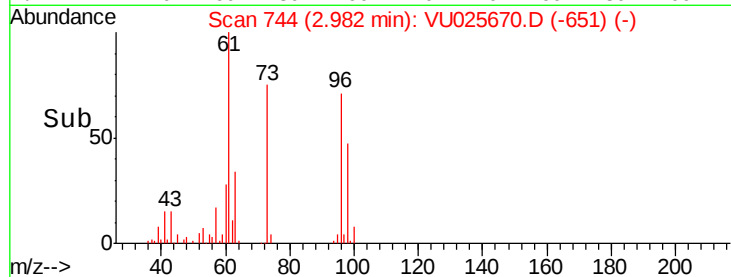
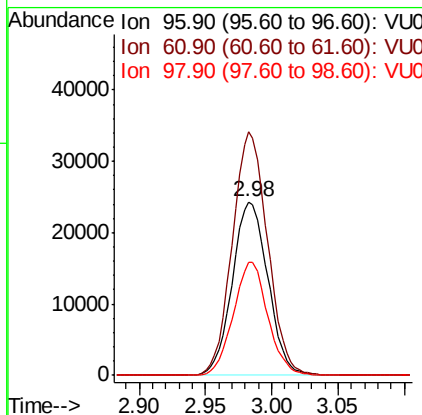
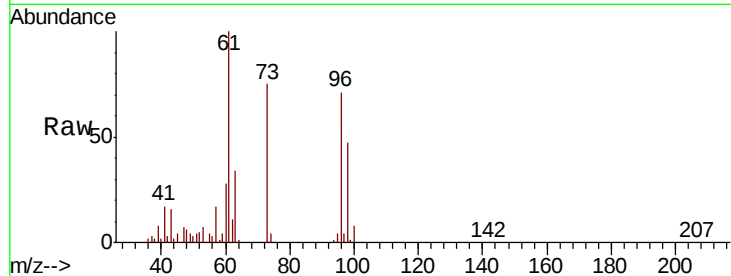
ClientSampleId :

VU0727MBS01

Tot Ion:	96	Resp:	45393
Ion	Ratio	Lower	Upper
96	100		
61	140.5	114.5	171.7
98	65.6	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.14 ug/l

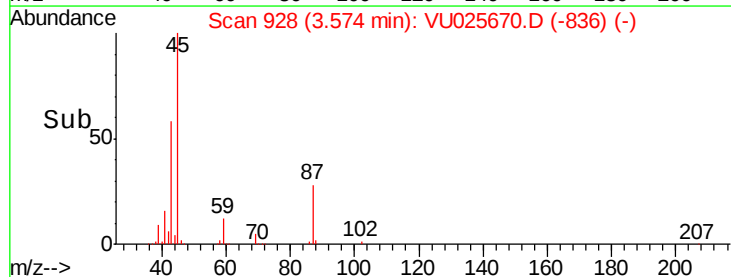
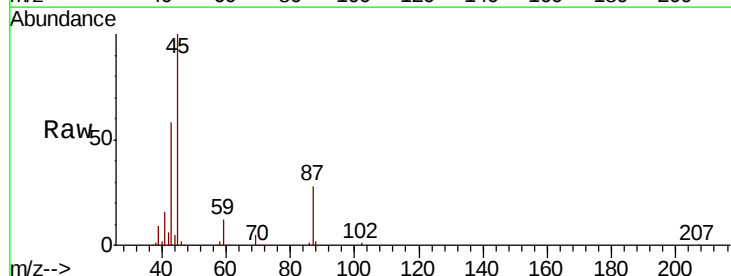
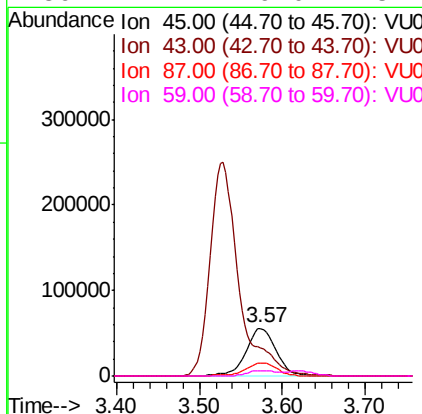
RT: 3.57 min Scan# 928

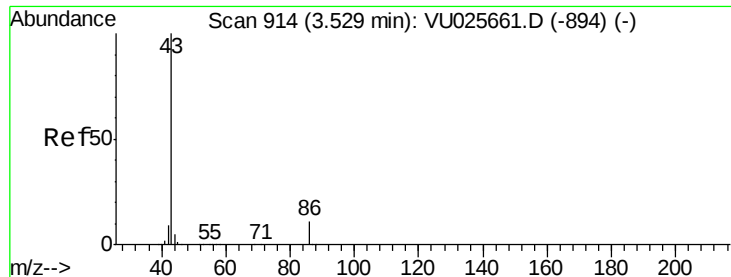
Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	45	Resp:	140719
Ion	Ratio	Lower	Upper
45	100		
43	57.0	50.9	76.3
87	27.8	23.8	35.8
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 100.06 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 43 Resp: 609229

Ion Ratio Lower Upper

43 100

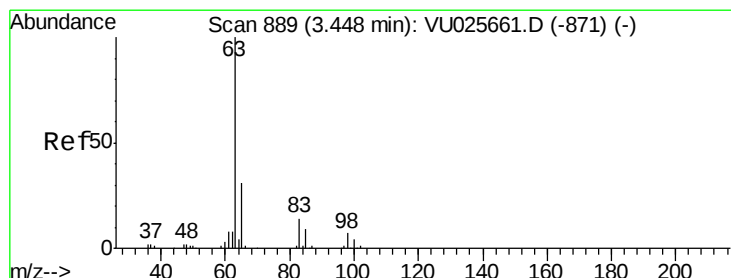
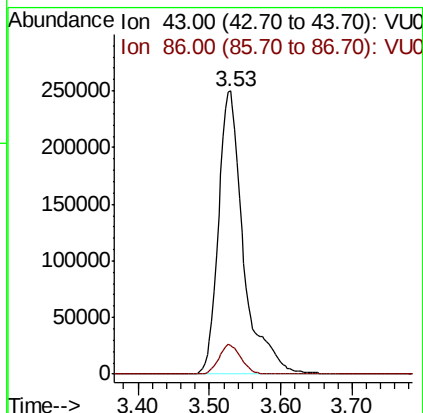
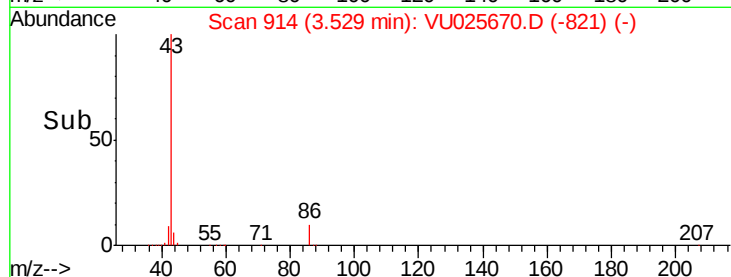
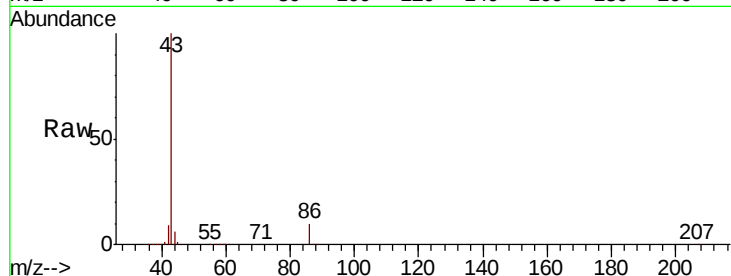
86 10.3 8.2 12.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 20.35 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

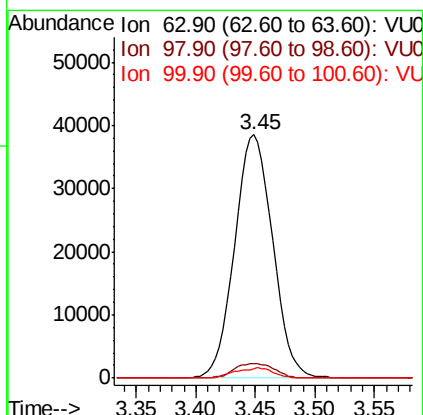
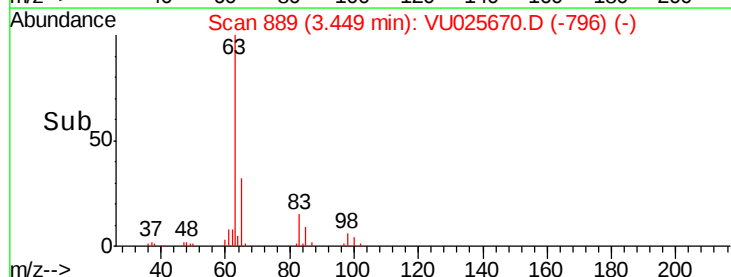
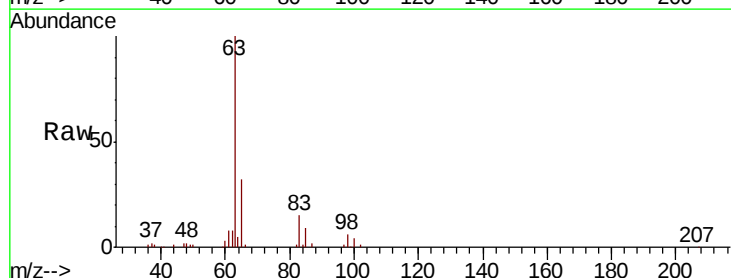
Tgt Ion: 63 Resp: 85345

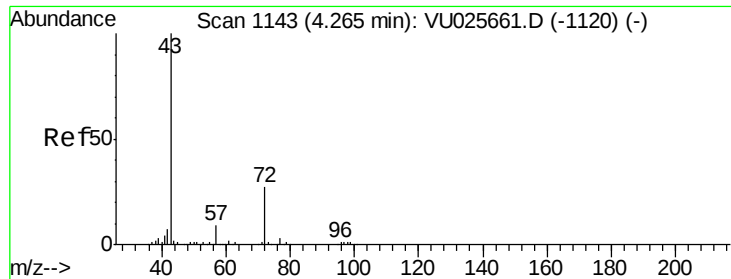
Ion Ratio Lower Upper

63 100

98 6.0 3.4 10.1

100 3.9 2.0 6.0





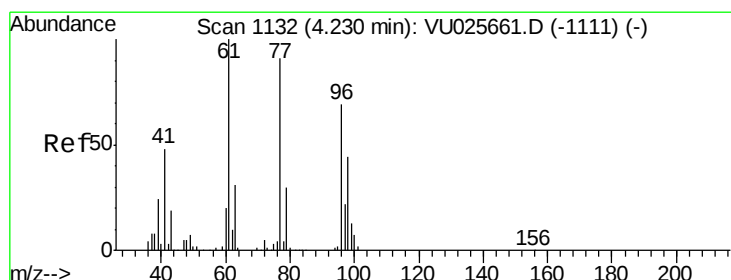
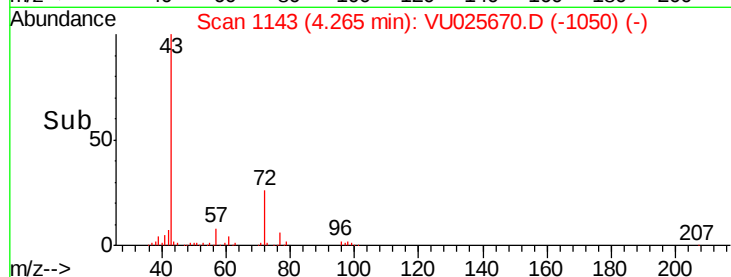
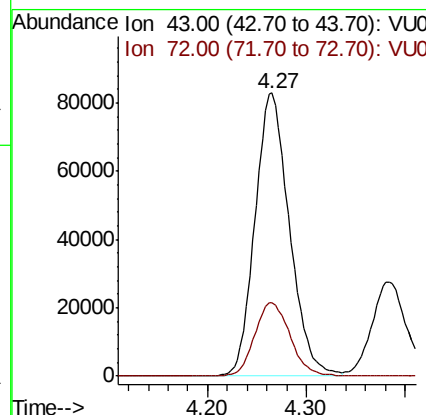
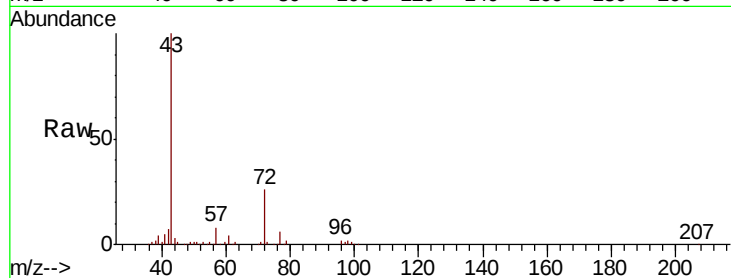
#25
2-Butanone
Concen: 105.29 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	43	Resp	200060
Ion Ratio	100	Lower	Upper
72	25.8	21.0	31.4

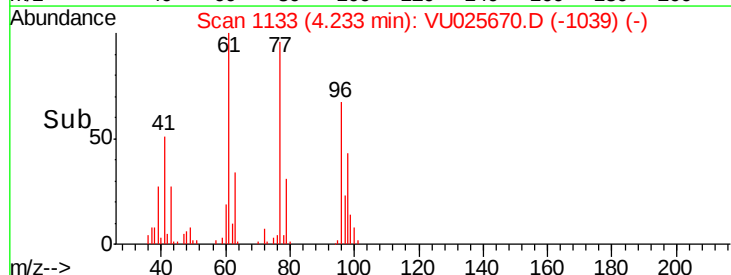
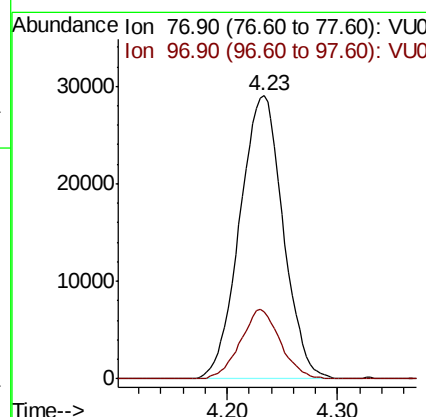
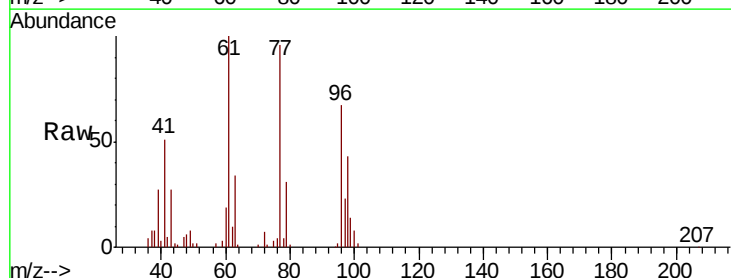
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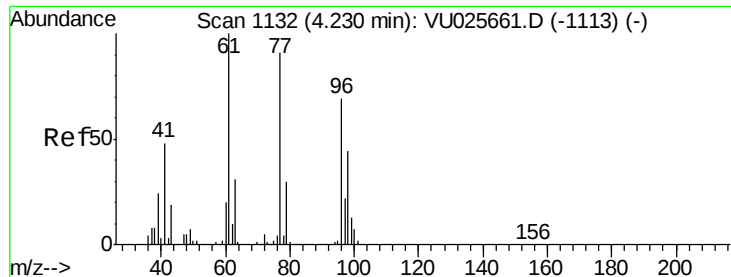
MMDadoda
7/31/2018 3:48:47 PM



#26
2,2-Dichloropropane
Concen: 20.73 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	77	Resp	79008
Ion Ratio	100	Lower	Upper
97	22.5	11.2	33.5





#27

cis-1,2-Dichloroethene

Concen: 19.56 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

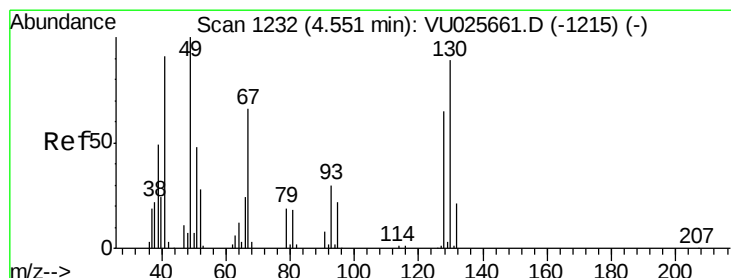
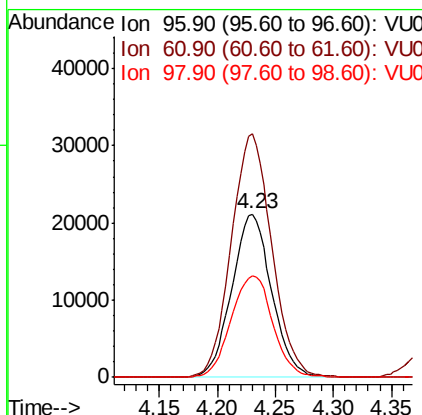
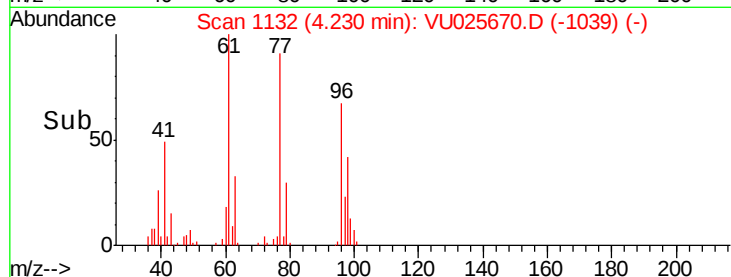
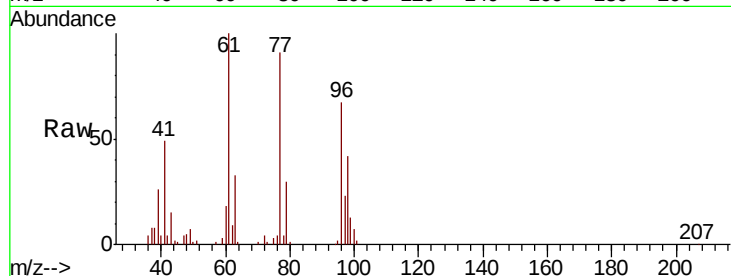
ClientSampleId :

VU0727MBS01

Tot Ion:	96	Resp:	50292
Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	299.8
98	65.4	0.0	128.6

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7/31/2018 3:48:47 PM



#28

Bromochloromethane

Concen: 20.97 ug/l

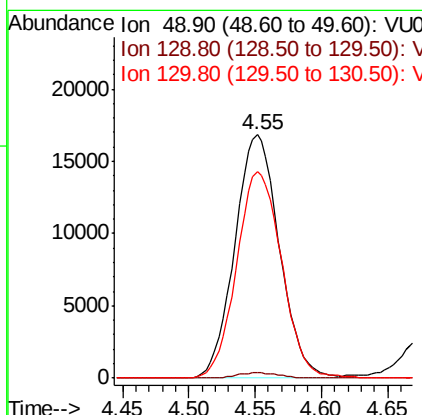
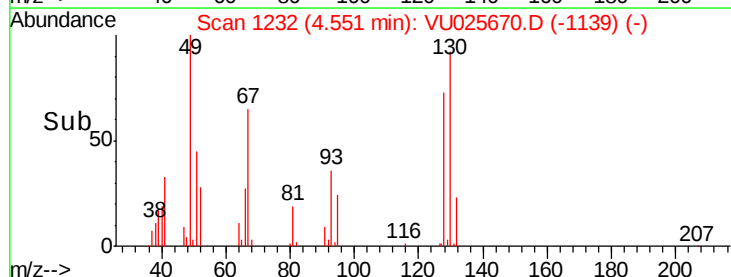
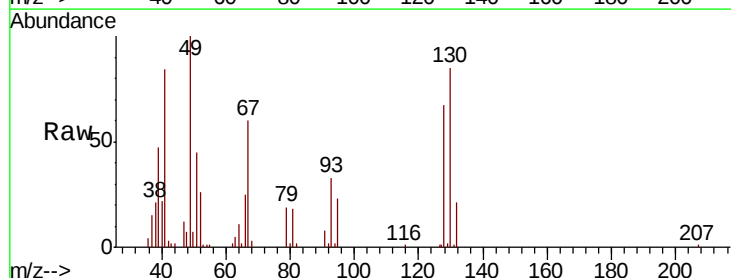
RT: 4.55 min Scan# 1232

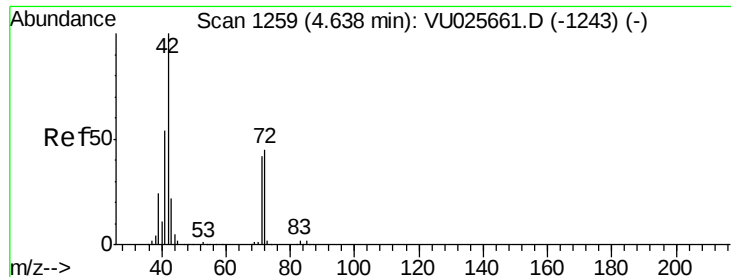
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	49	Resp:	39321
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	85.8	68.6	102.8





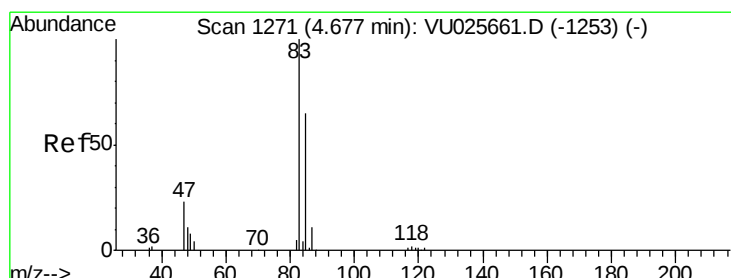
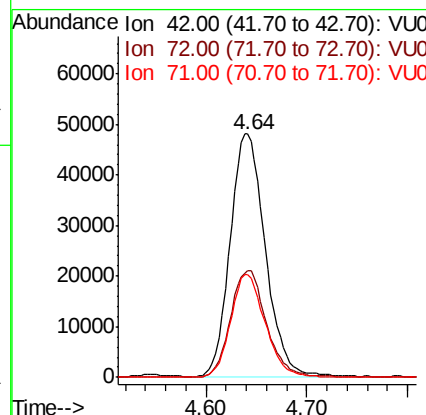
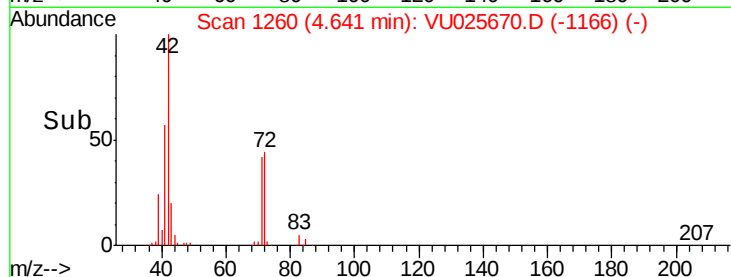
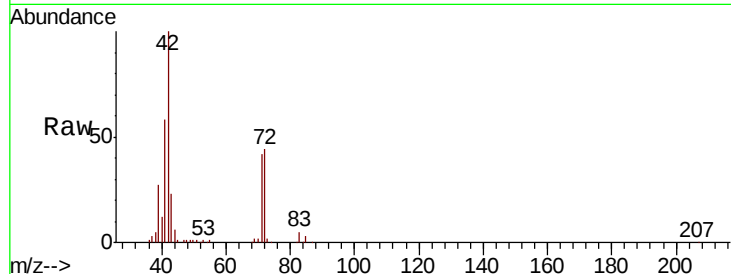
#29
Tetrahydrofuran
Concen: 101.79 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.7	55.1
71	41.8	33.9	50.9

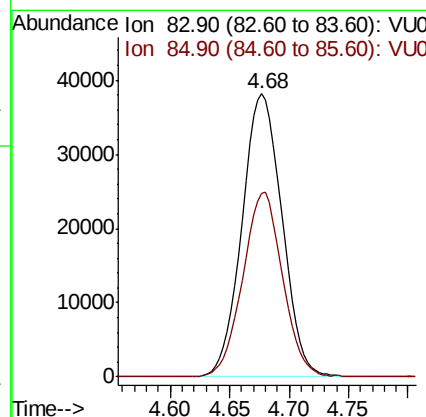
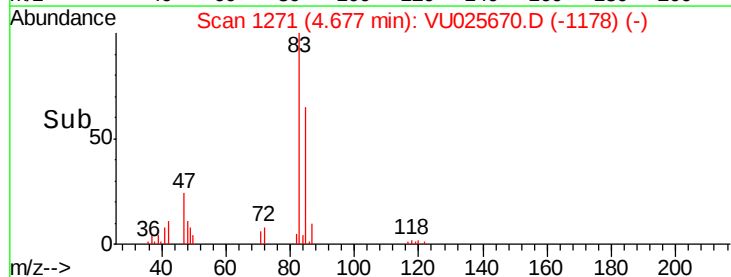
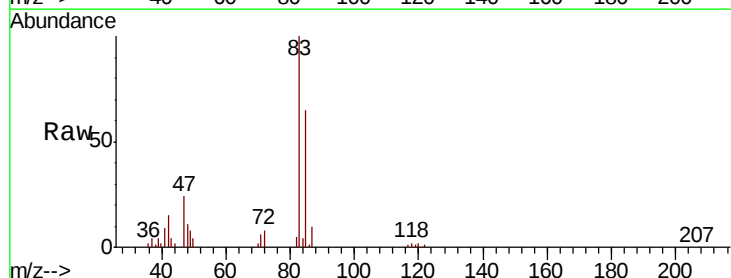
Manual Integrations
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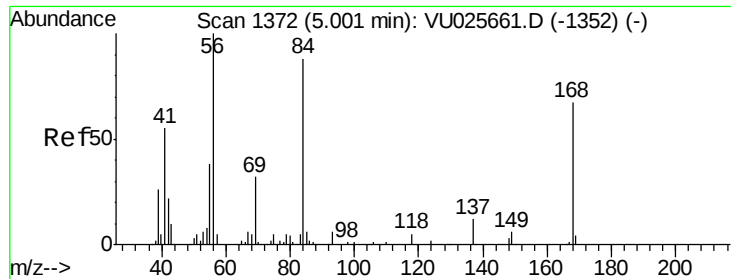
MMDadoda
7/31/2018 3:48:47 PM



#30
Chloroform
Concen: 20.12 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.5	77.3





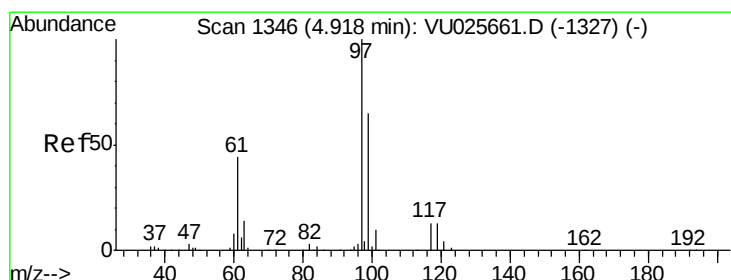
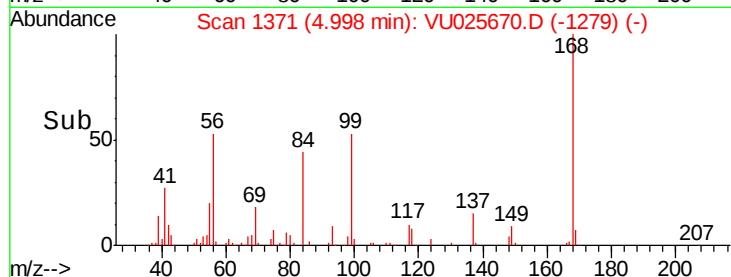
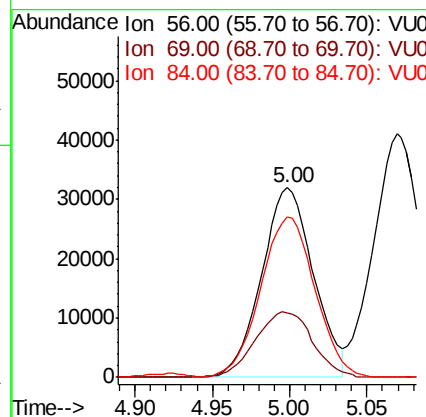
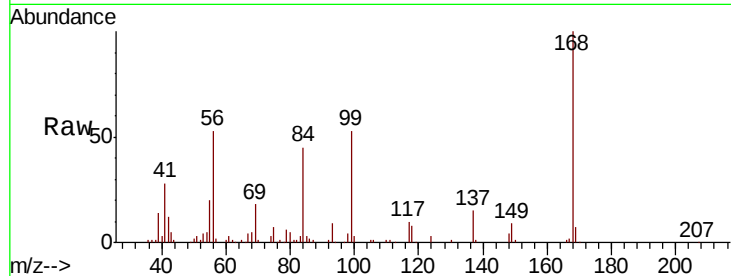
#31
Cyclohexane
Concen: 19.69 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	26.8	40.2
84	83.9	69.7	104.5

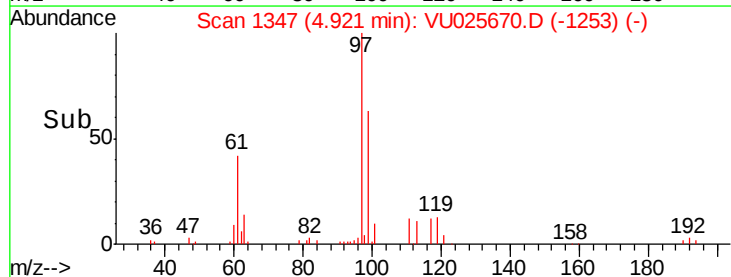
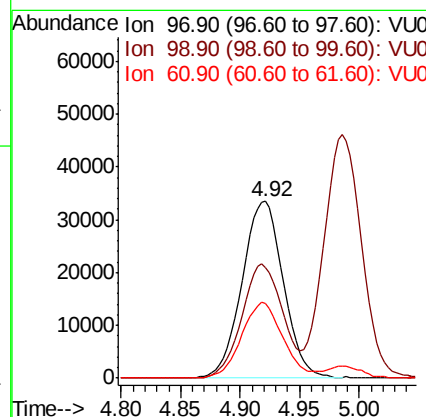
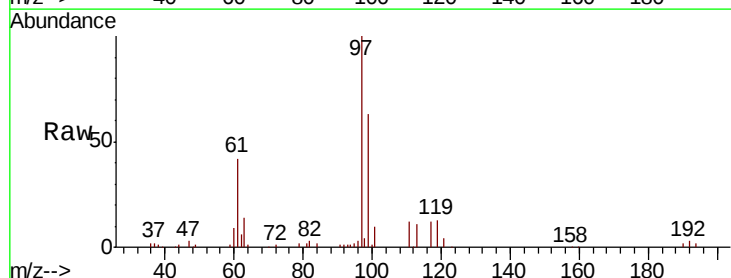
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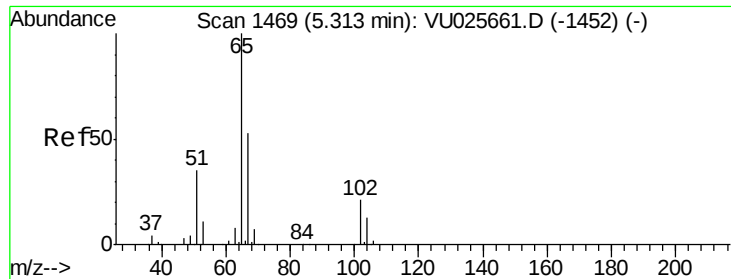
MMDadoda
7/31/2018 3:48:47 PM



#32
1,1,1-Trichloroethane
Concen: 20.22 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.8	76.2
61	42.6	35.2	52.8





#33

1,2-Dichloroethane-d4

Concen: 50.30 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 65 Resp: 144016

Ion Ratio Lower Upper

65 100

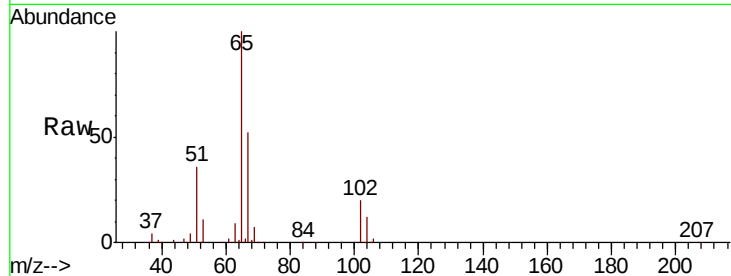
67 52.3 0.0 103.6

Manual Integrations

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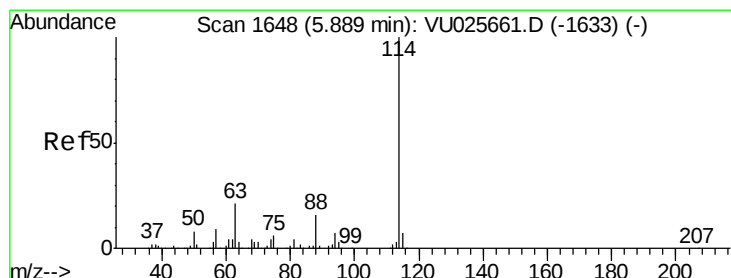
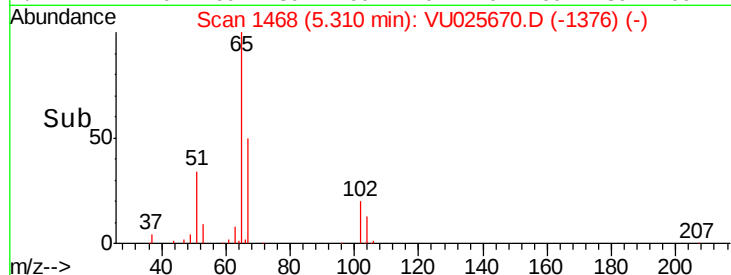


Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

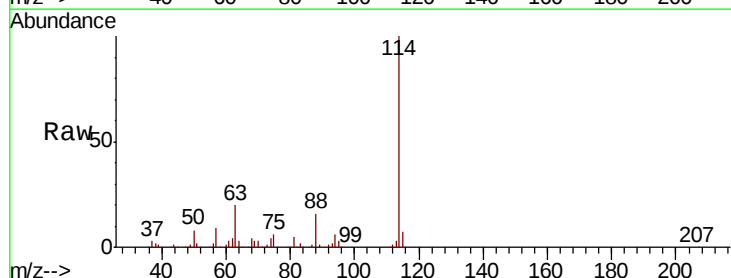
Tgt Ion: 114 Resp: 273554

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 16.1 0.0 32.4



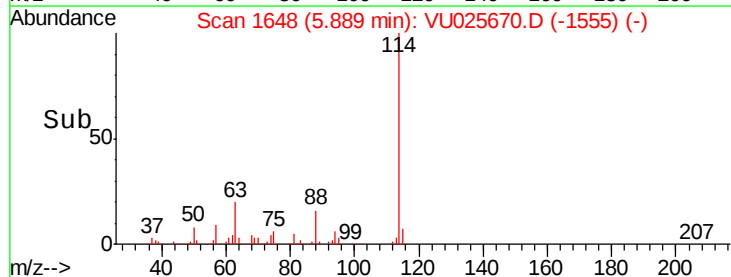
Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

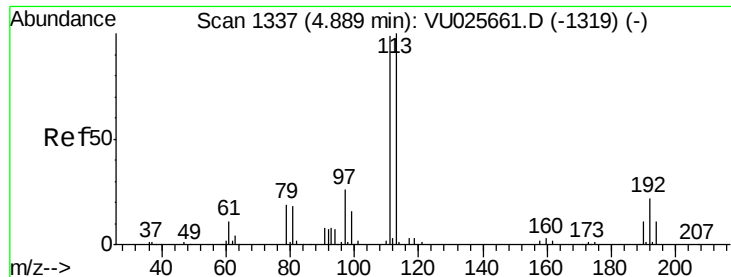
Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

5.89

Time-->





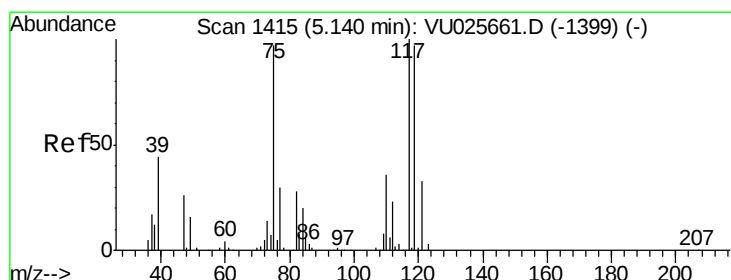
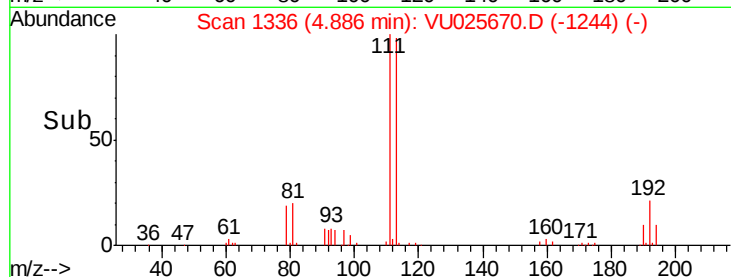
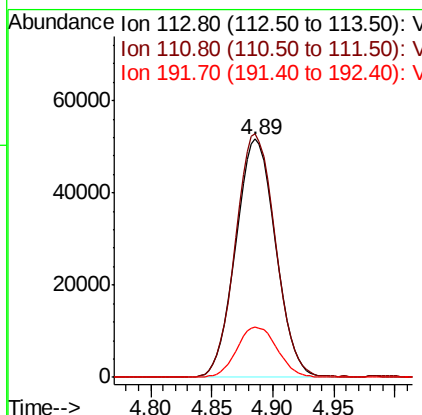
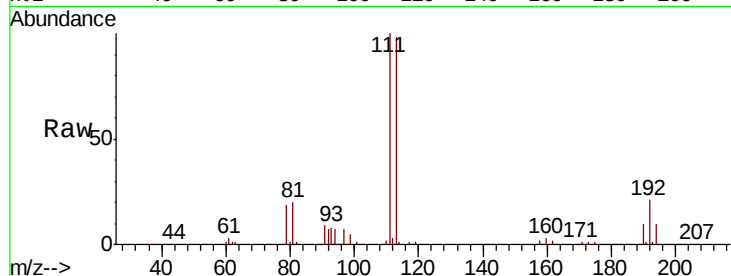
#35
Dibromofluoromethane
Concen: 49.20 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.4	17.1	25.7

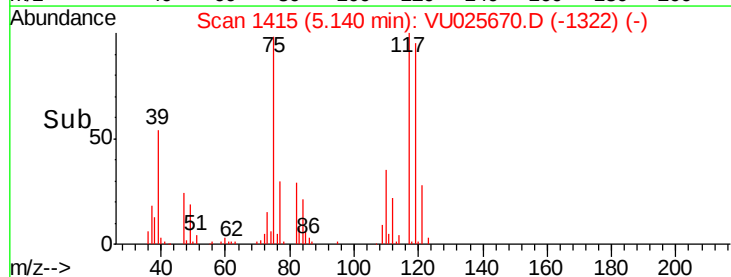
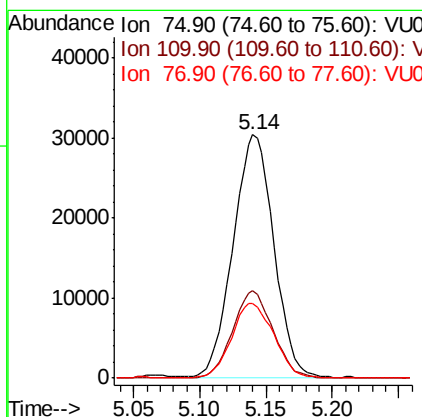
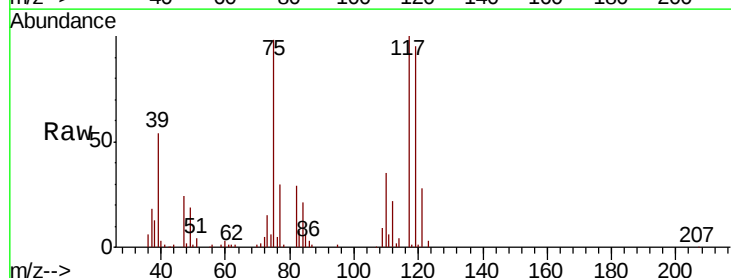
Manual Integrations
APPROVED

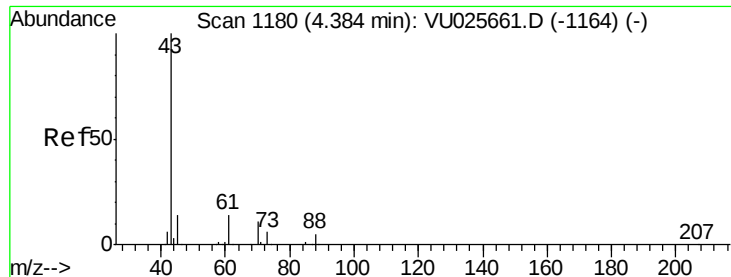
MMDadoda
7/31/2018 3:48:47 PM



#36
1,1-Dichloropropene
Concen: 20.36 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.6	52.9
77	31.8	24.4	36.6





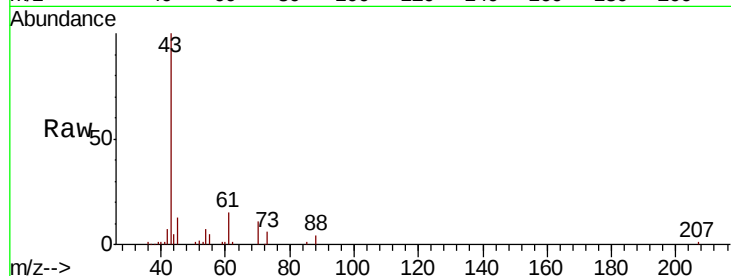
#37
Ethyl Acetate
Concen: 20.44 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.7	16.1
70	10.6	8.4	12.6

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7/31/2018 3:48:47 PM

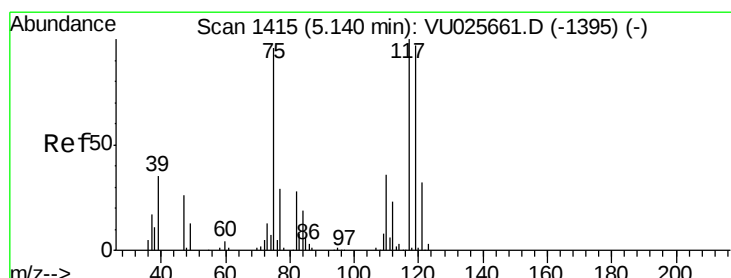
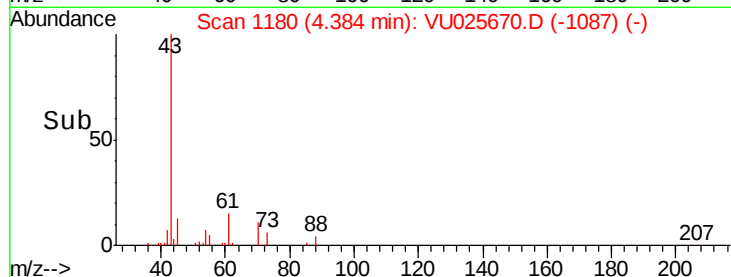
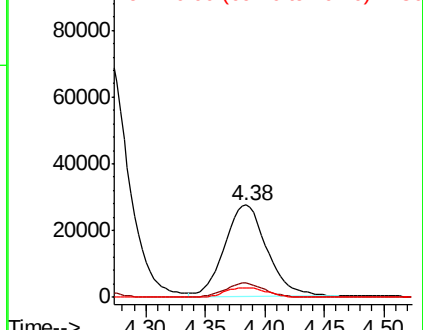


Abundance

Ion 43.00 (42.70 to 43.70): VU025661.D (-1164) (-)

Ion 60.90 (60.60 to 61.60): VU025661.D (-1164) (-)

Ion 70.00 (69.70 to 70.70): VU025661.D (-1164) (-)



#38
Carbon Tetrachloride
Concen: 19.78 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

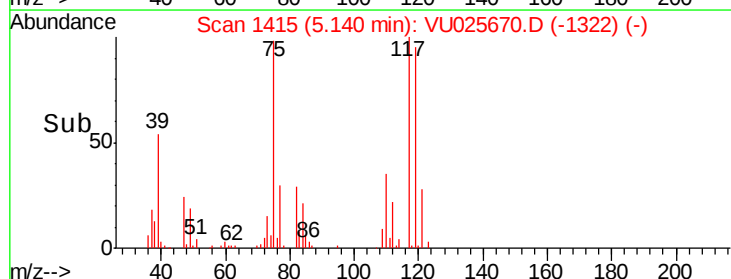
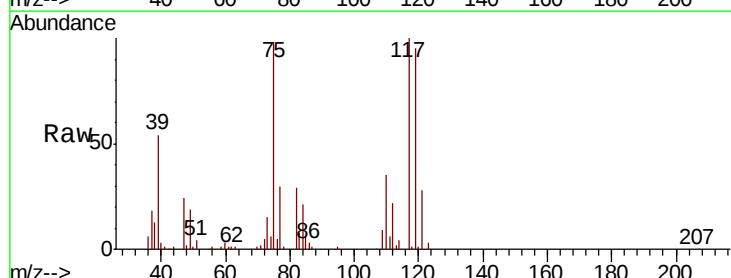
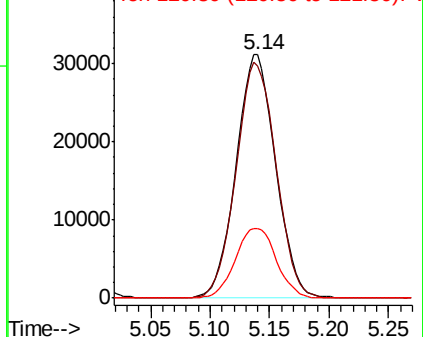
Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	75.7	113.5
121	28.4	24.6	36.8

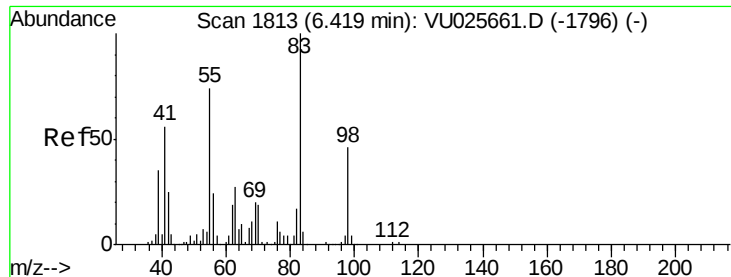
Abundance

Ion 116.80 (116.50 to 117.50): VU025661.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025661.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025661.D (-1395) (-)





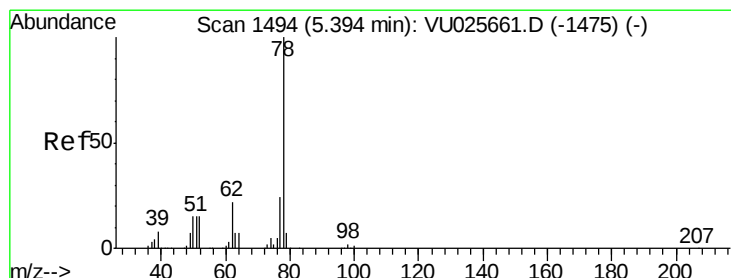
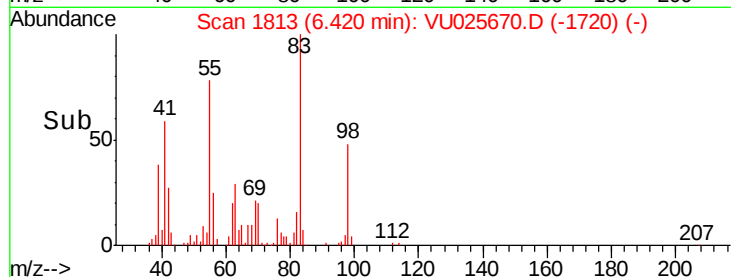
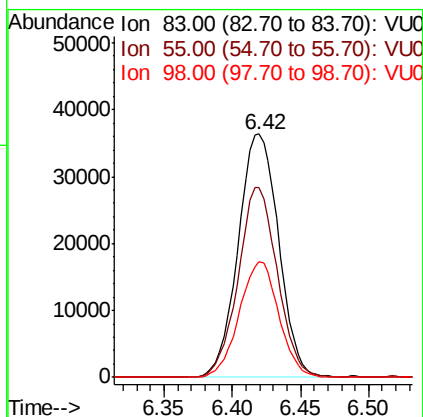
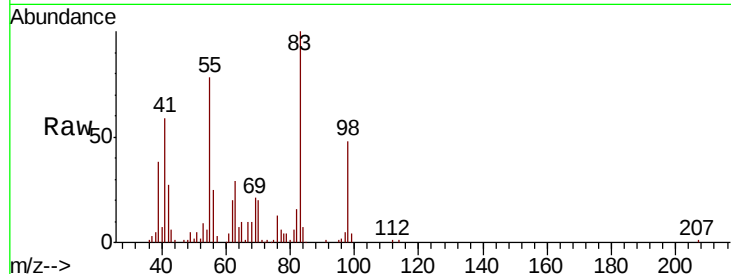
#39
Methylvlcyclohexane
Concen: 20.42 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.0	90.0
98	47.5	36.1	54.1

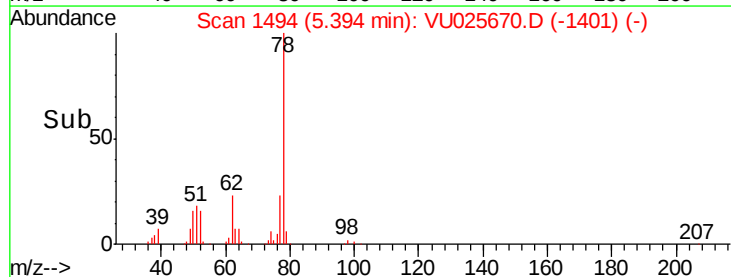
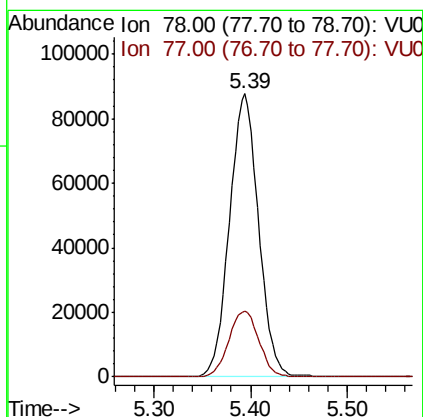
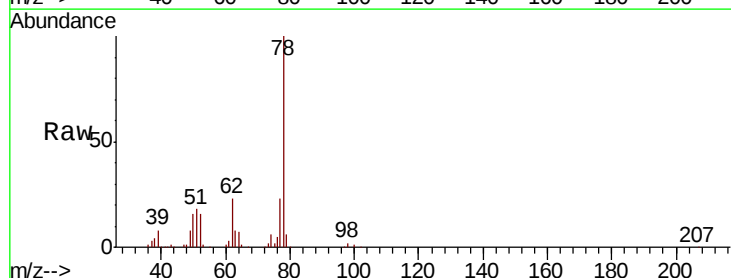
Manual Integrations
APPROVED

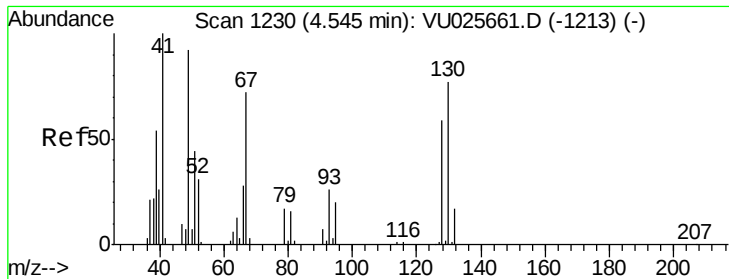
MMDadoda
7/31/2018 3:48:47 PM



#40
Benzene
Concen: 19.57 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.8	29.6





#41

Methacrylonitrile

Concen: 20.09 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

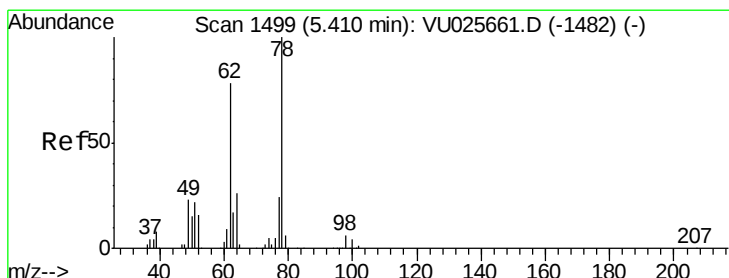
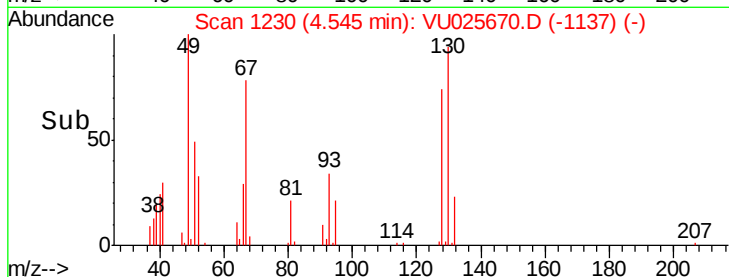
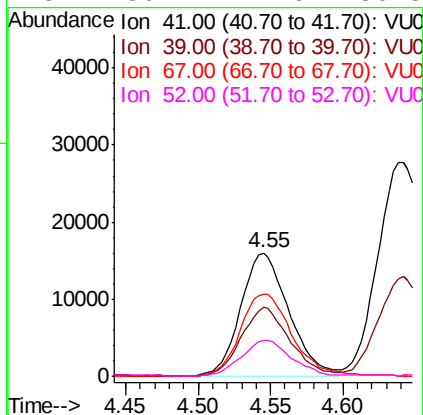
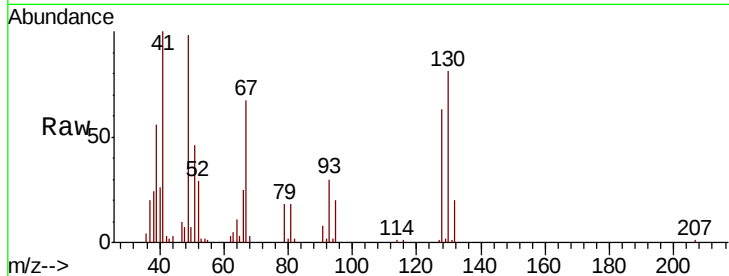
ClientSampleId :

VU0727MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		36994		
39	56.6	44.4	66.6		
67	71.9	56.0	84.0		
52	30.7	24.6	36.8		

Manual Integrations
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7/31/2018 3:48:47 PM



#42

1,2-Dichloroethane

Concen: 20.33 ug/l

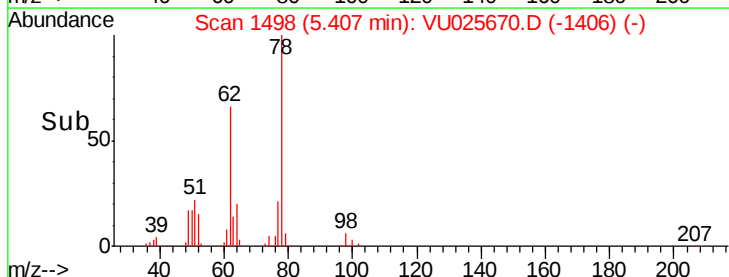
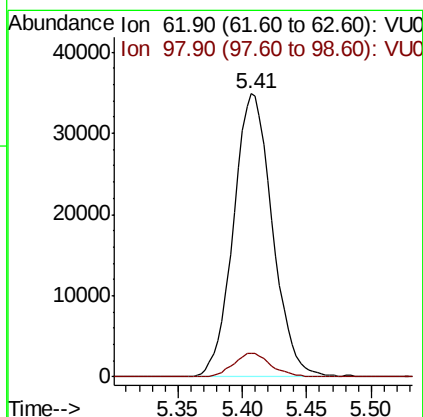
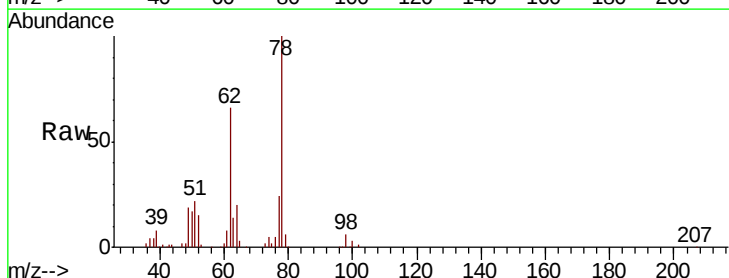
RT: 5.41 min Scan# 1498

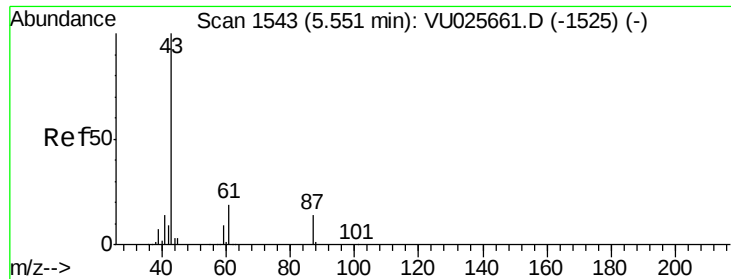
Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		73160		
98	8.0	0.0	16.4		





#43

Isopropyl Acetate

Concen: 19.97 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

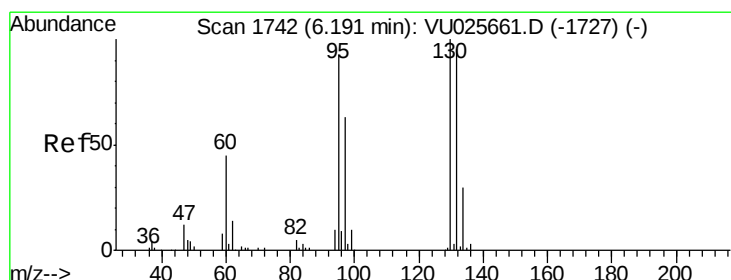
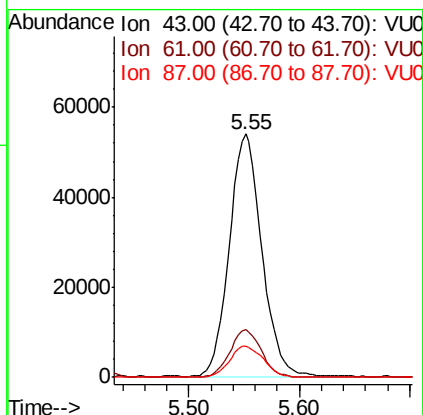
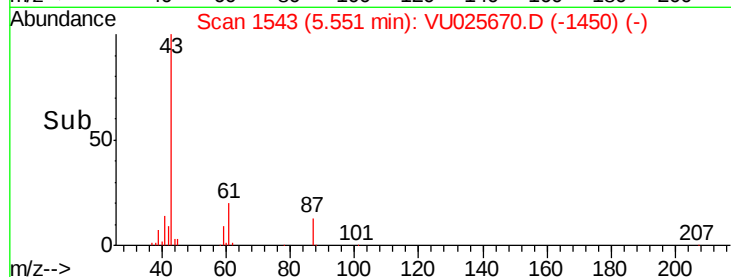
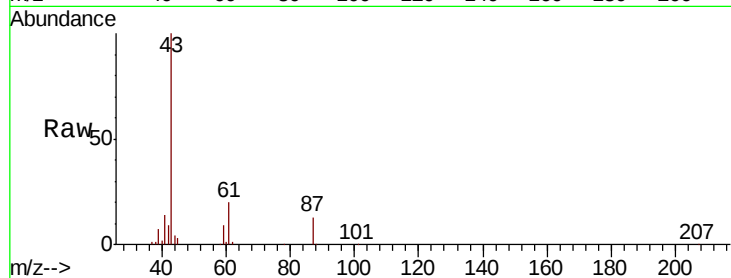
ClientSampleId :

VU0727MBS01

Tot Ion:	43	Resp:	109399
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 19.39 ug/l

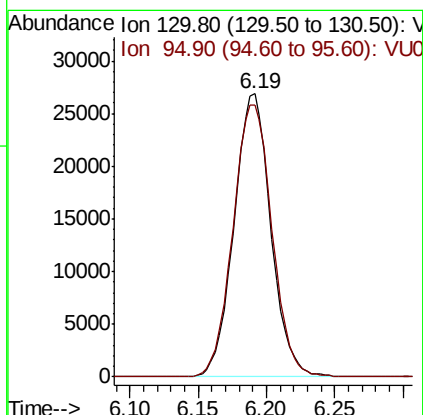
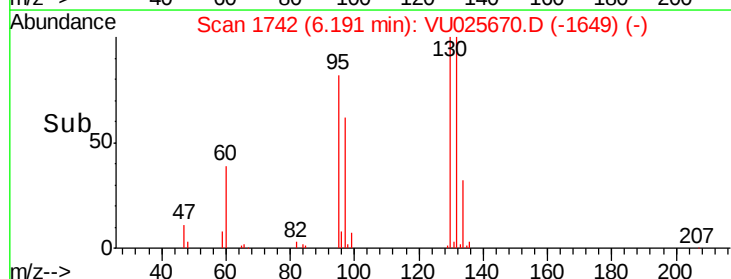
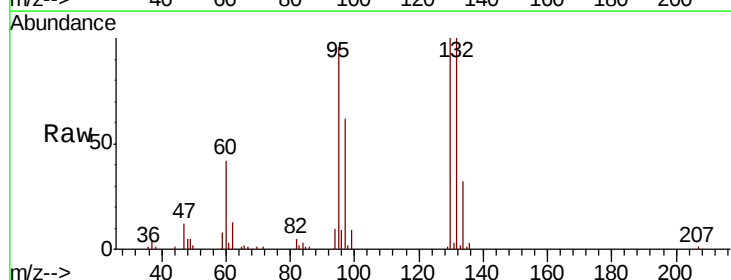
RT: 6.19 min Scan# 1742

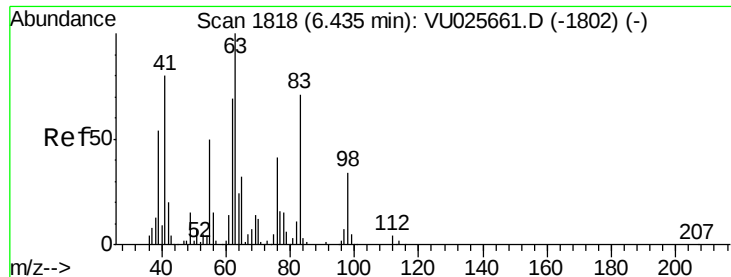
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	130	Resp:	50461
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.98 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 63 Resp: 48687

Ion Ratio Lower Upper

63 100

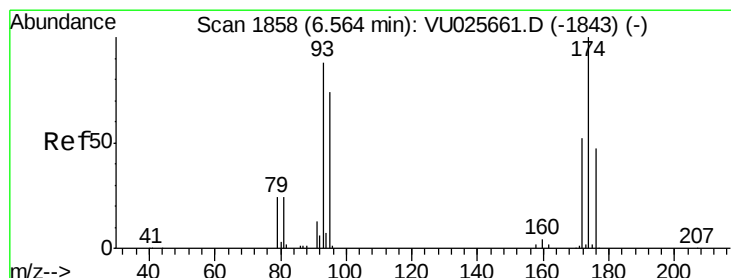
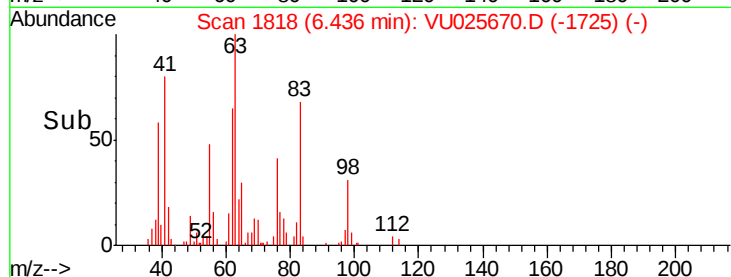
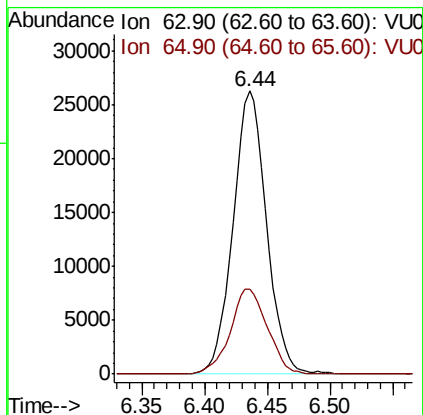
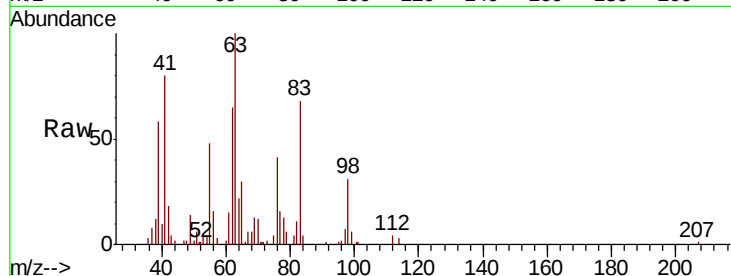
65 30.0 26.1 39.1

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#46

Dibromomethane

Concen: 19.75 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

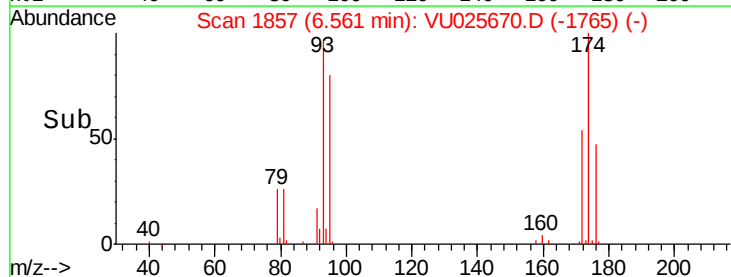
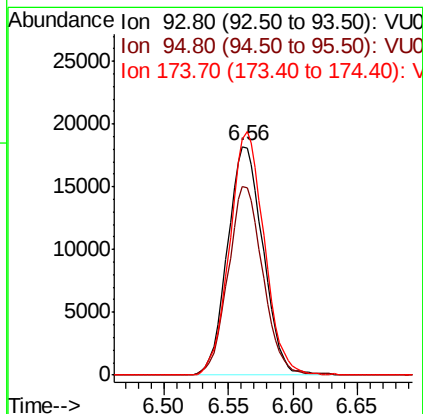
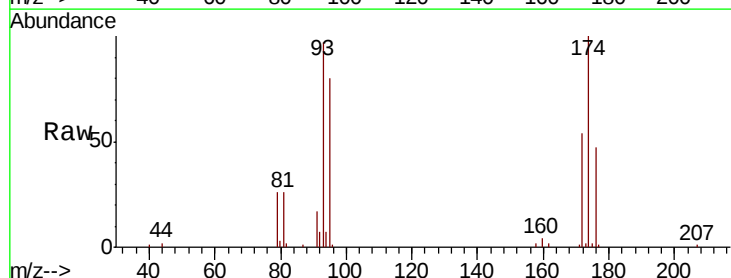
Tgt Ion: 93 Resp: 34872

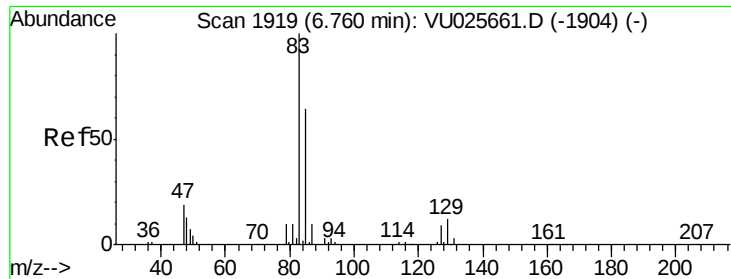
Ion Ratio Lower Upper

93 100

95 80.6 66.6 100.0

174 103.5 85.8 128.8





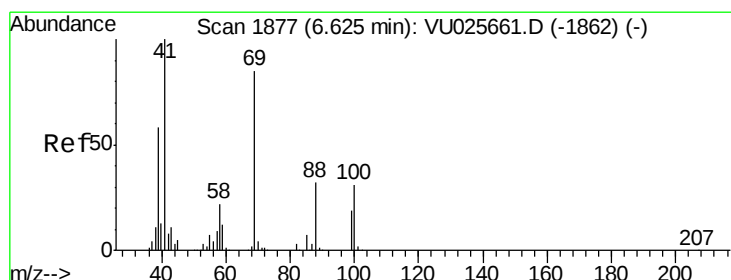
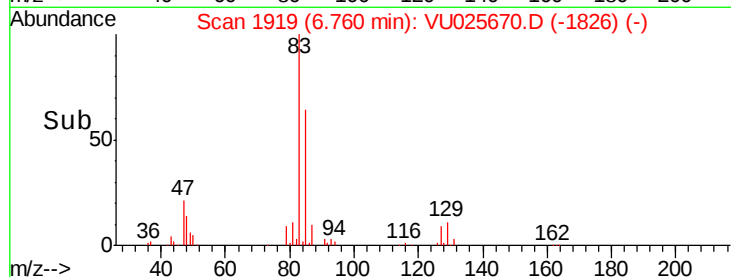
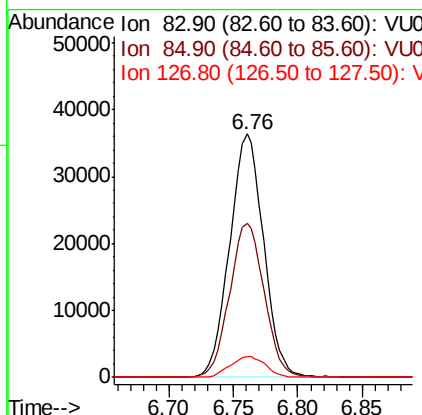
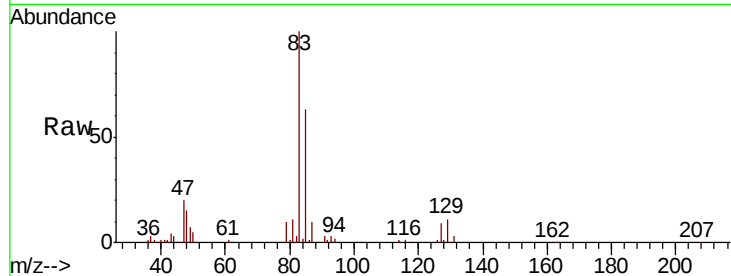
#47
Bromodichloromethane
Concen: 19.75 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	83	Resp	66542
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	50.2	75.4
127	8.7	7.2	10.8

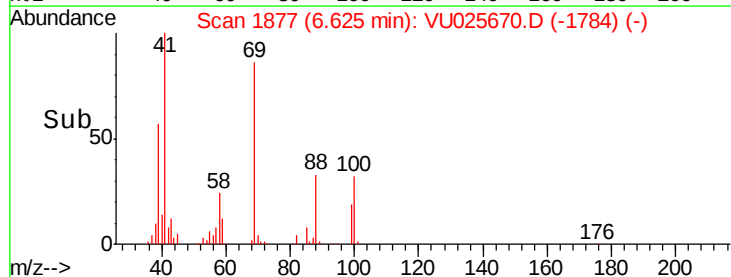
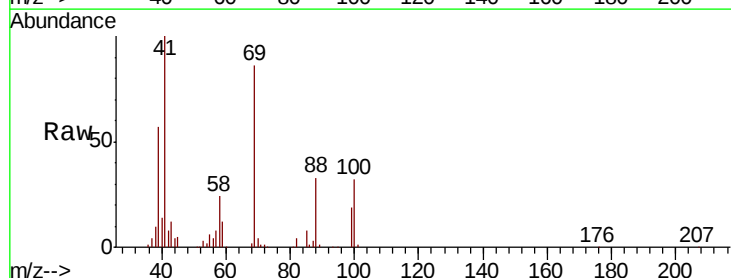
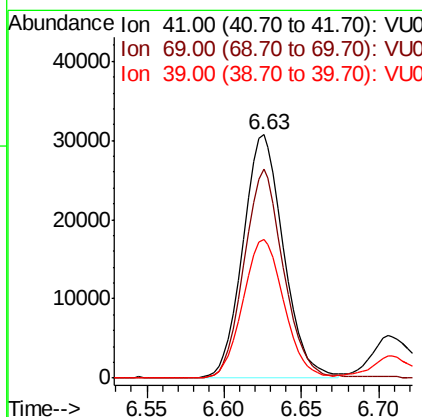
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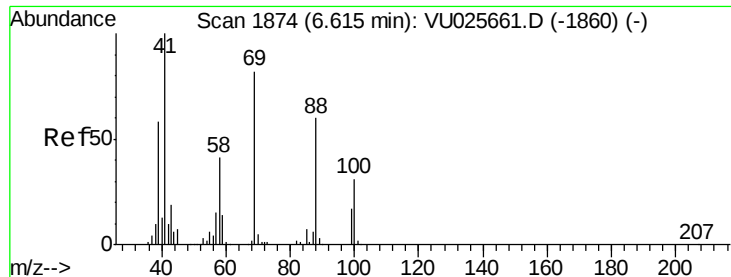
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#48
Methyl methacrylate
Concen: 20.94 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	41	Resp	56206
Ion Ratio	100	Lower	Upper
41	100		
69	83.2	65.0	97.4
39	57.5	46.4	69.6





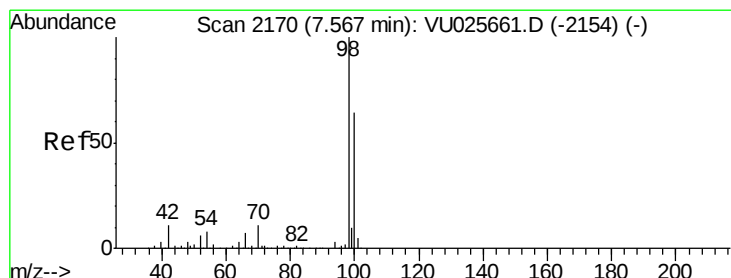
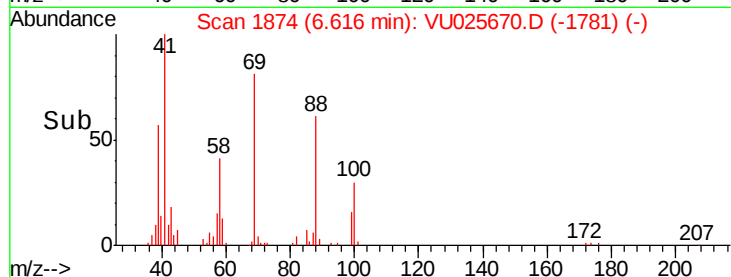
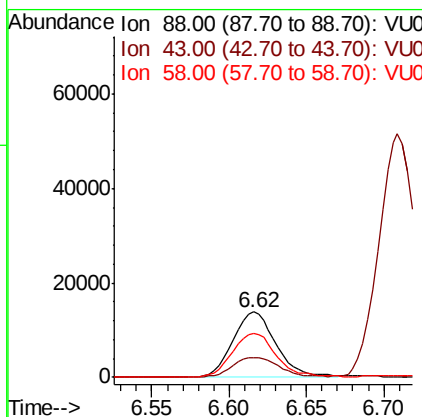
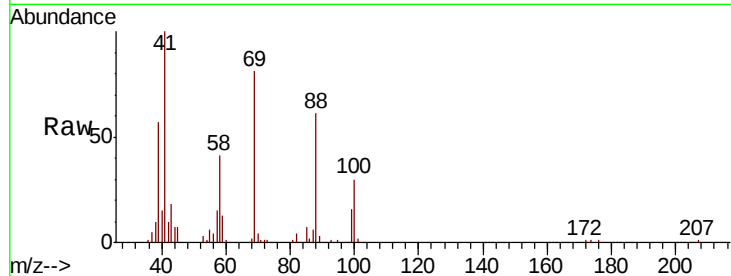
#49
1,4-Dioxane
Concen: 411.79 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	27.3	40.9
58	69.1	57.6	86.4

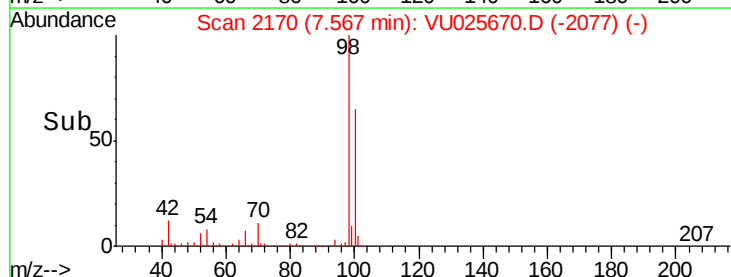
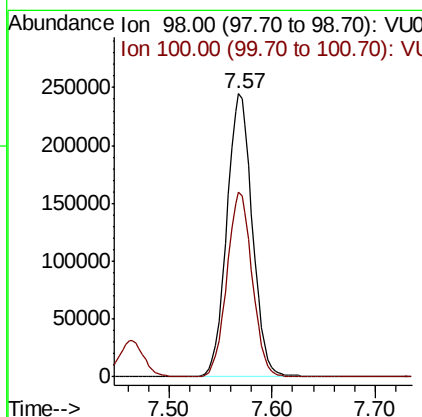
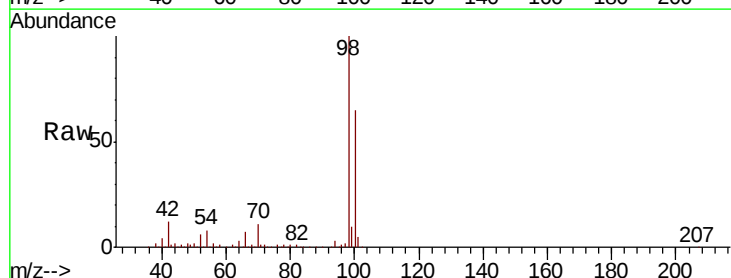
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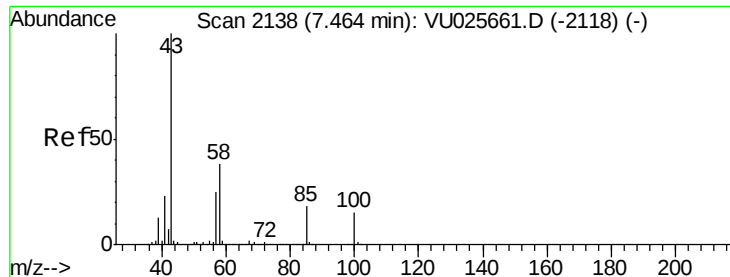
MMDadoda
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#50
Toluene-d8
Concen: 50.69 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 101.77 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 43 Resp: 349011

Ion Ratio Lower Upper

43 100

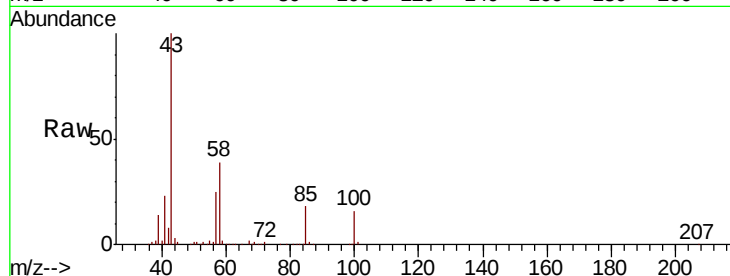
58 38.8 31.0 46.4

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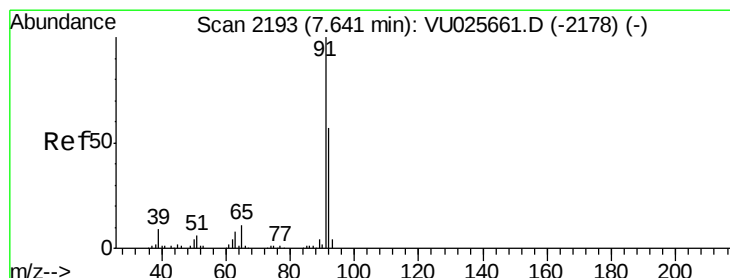
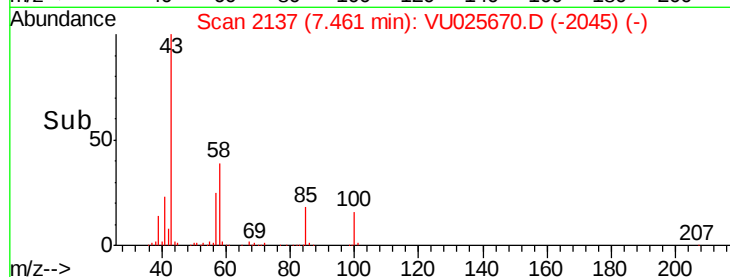
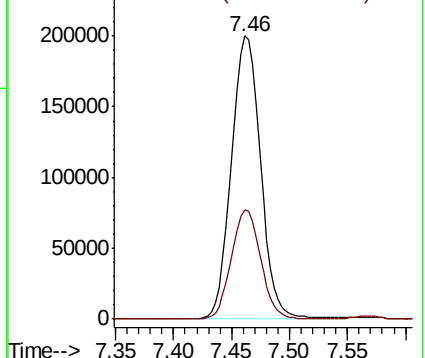
MMDadoda

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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: 20.20 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025670.D

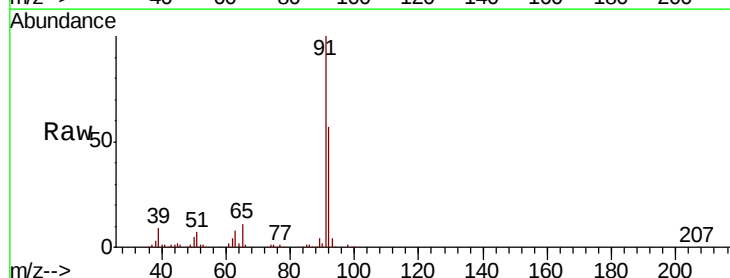
Acq: 27 Jul 2018 15:41

Tgt Ion: 92 Resp: 117257

Ion Ratio Lower Upper

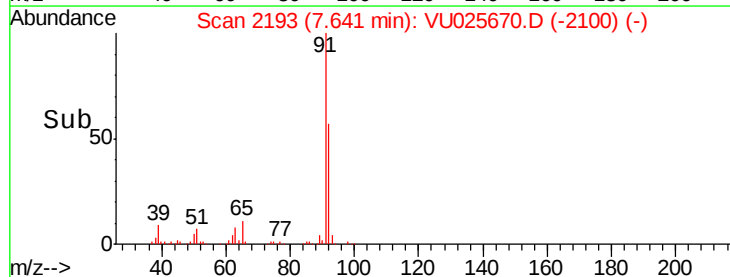
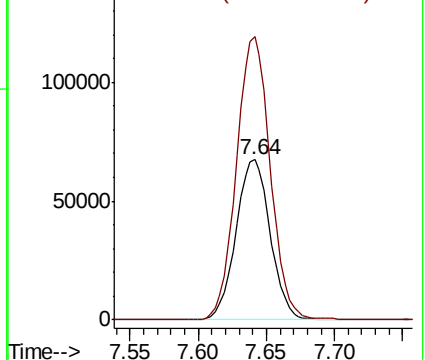
92 100

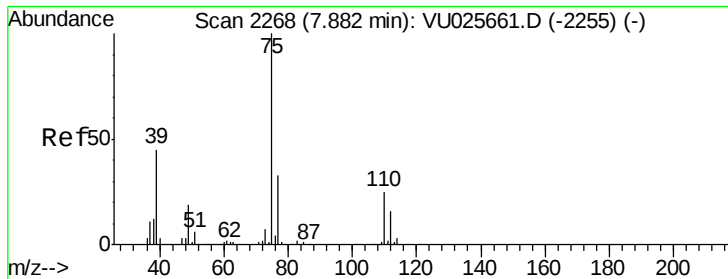
91 174.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





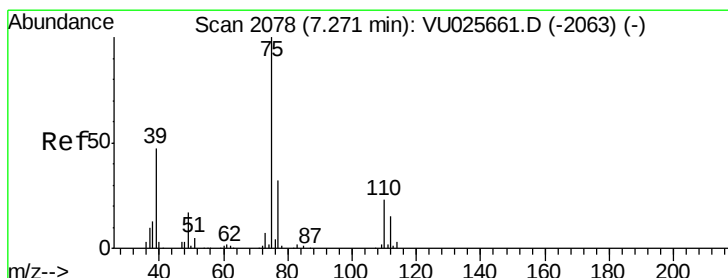
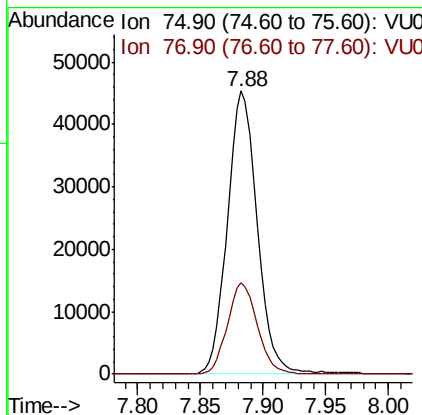
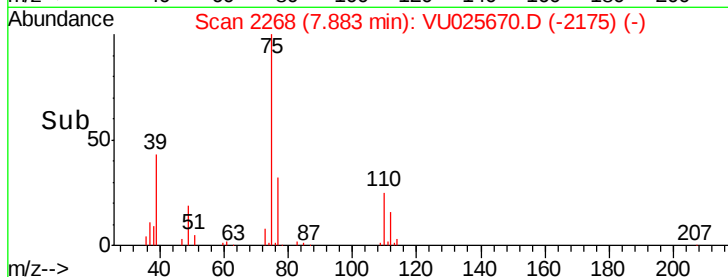
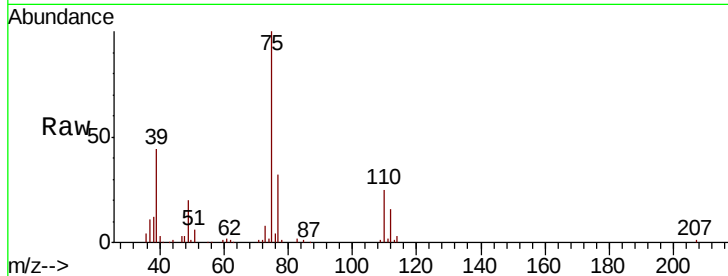
#53
t-1,3-Dichloropropene
Concen: 19.86 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.5	36.7

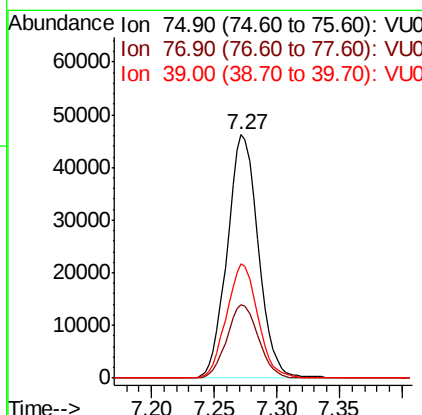
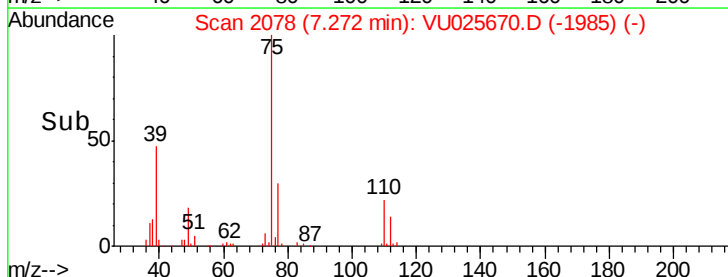
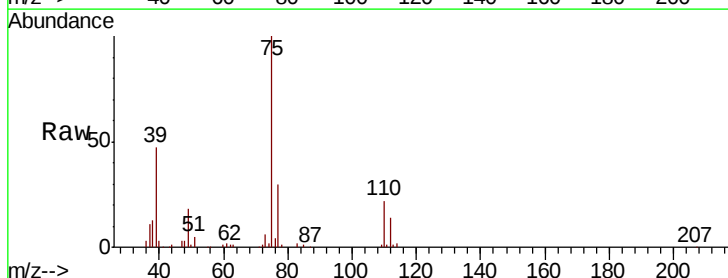
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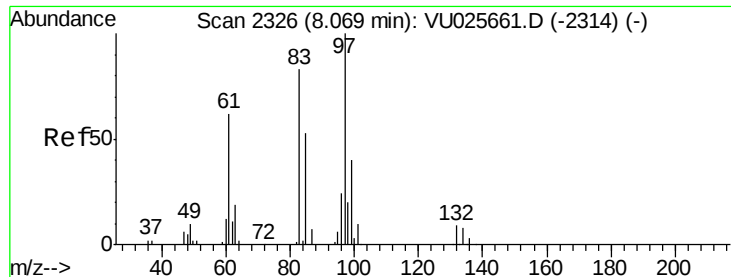
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#54
cis-1,3-Dichloropropene
Concen: 20.43 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.6	38.4
39	46.8	40.0	60.0





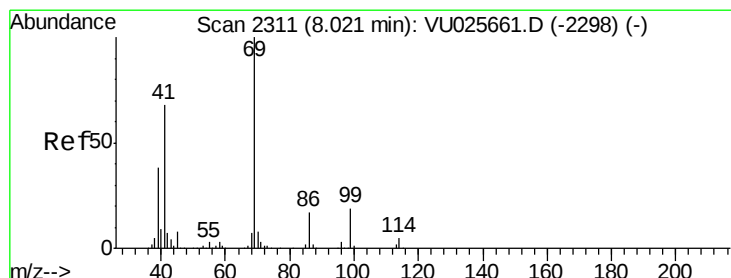
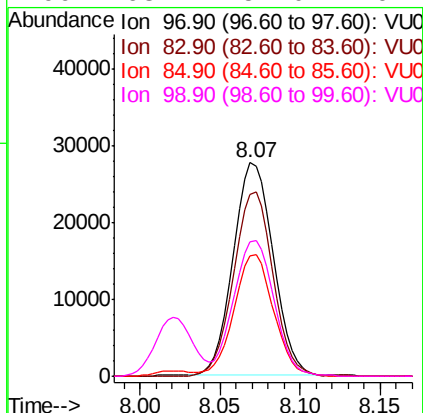
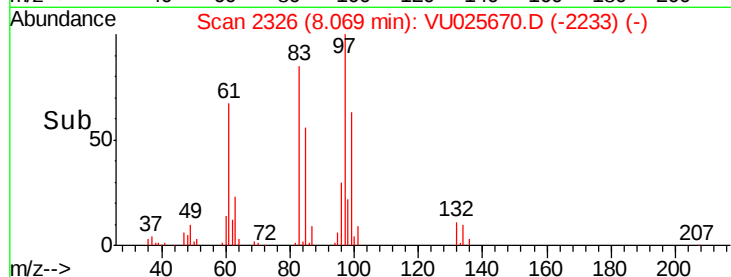
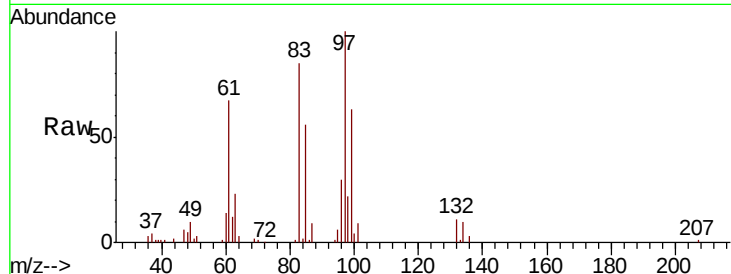
#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion:	97	Resp:	47228
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.9	103.3
85	56.7	44.4	66.6
99	63.2	51.0	76.4

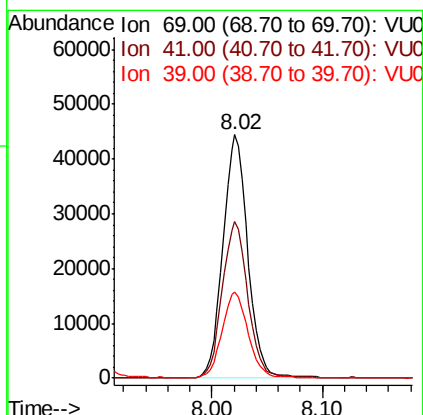
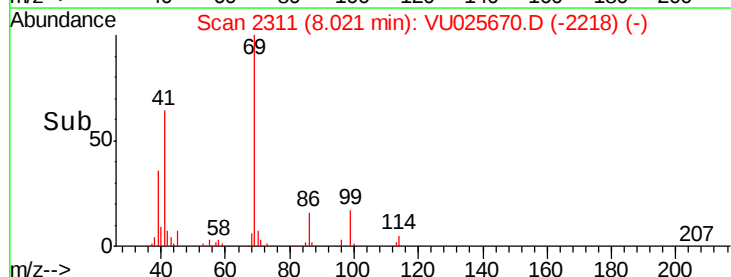
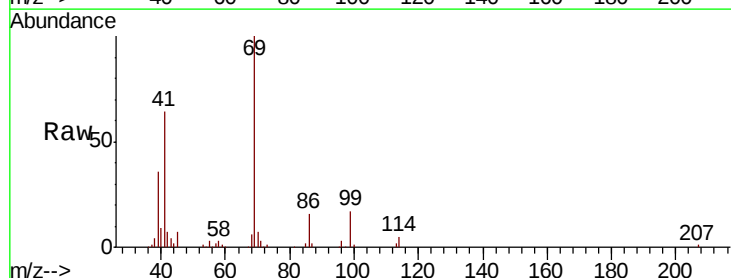
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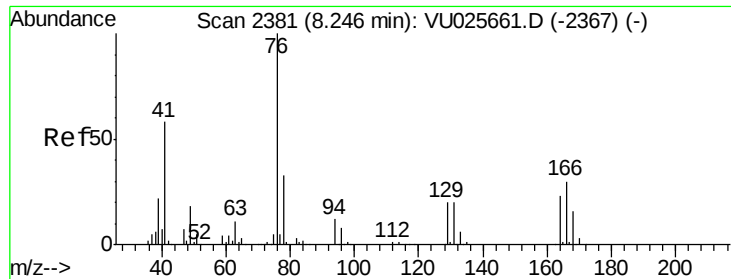
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#56
 Ethyl methacrylate
 Concen: 20.20 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion:	69	Resp:	69623
Ion	Ratio	Lower	Upper
69	100		
41	66.5	54.8	82.2
39	36.3	31.1	46.7





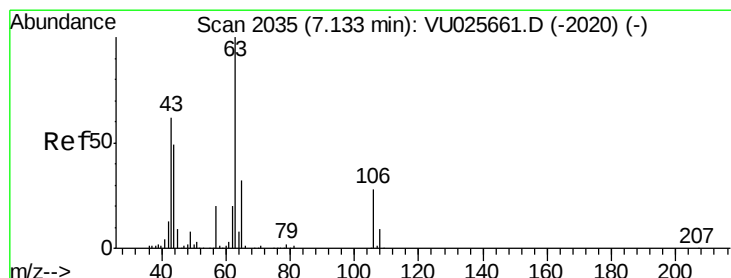
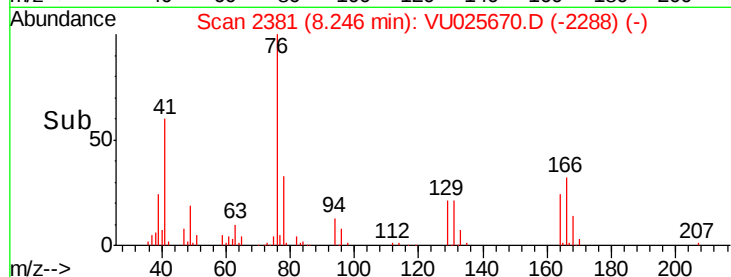
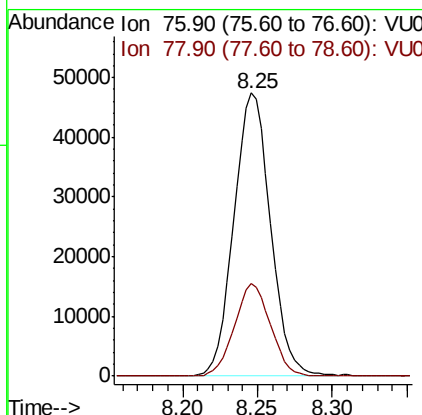
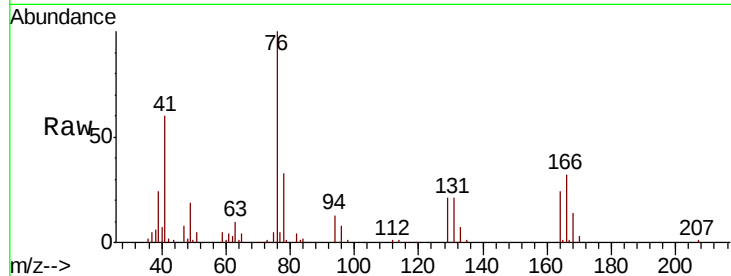
#57
 1,3-Dichloropropane
 Concen: 19.91 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion: 76 Resp: 80784
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

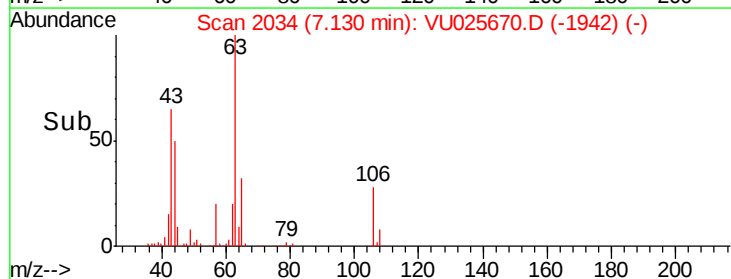
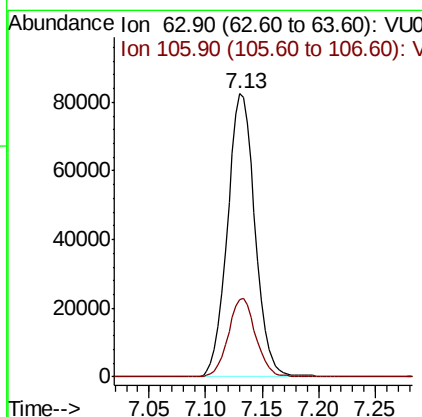
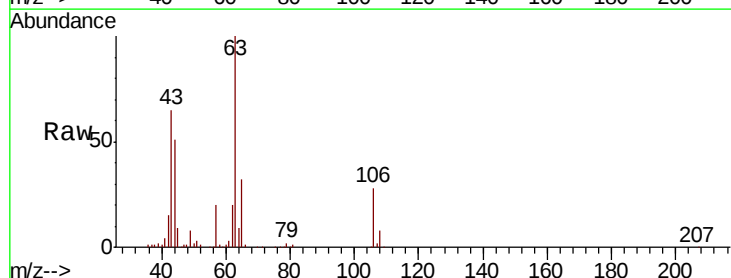
Manual Integrations
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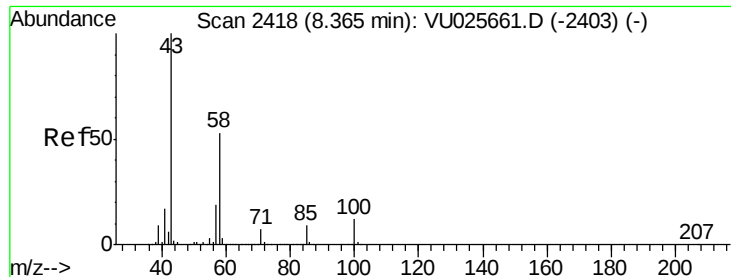
MMDadoda
 7/31/2018 3:48:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.25 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion: 63 Resp: 140046
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.3 33.5





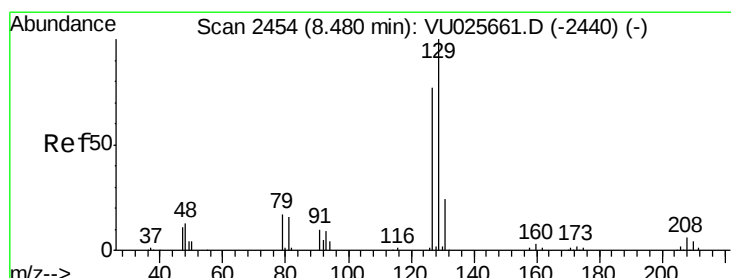
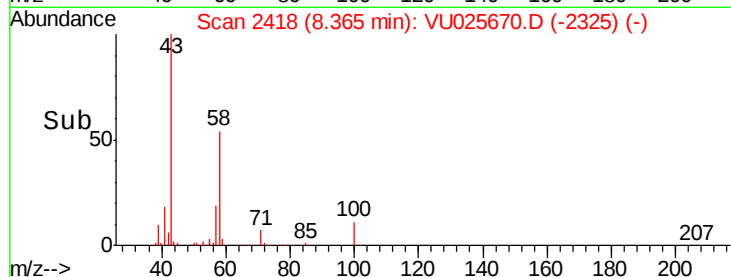
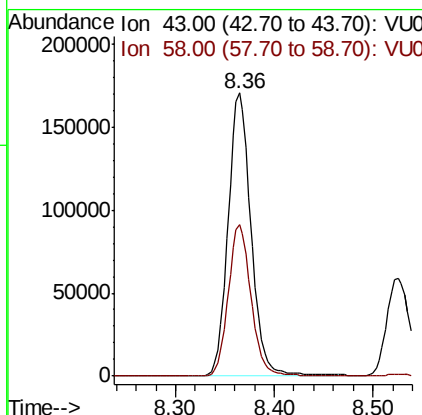
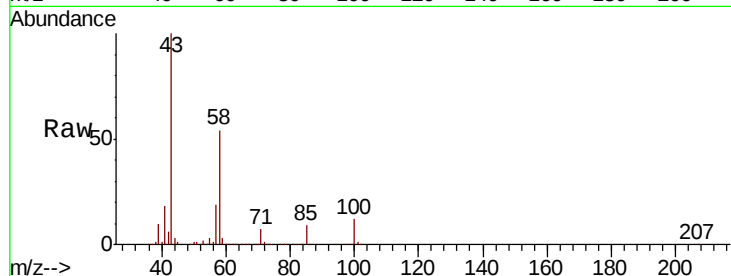
#59
2-Hexanone
Concen: 103.90 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	43	Resp	279311
Ion Ratio	100	Lower	Upper
43	100		
58	52.9	26.2	78.5

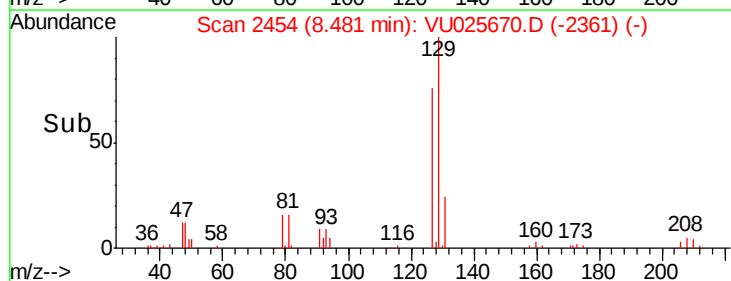
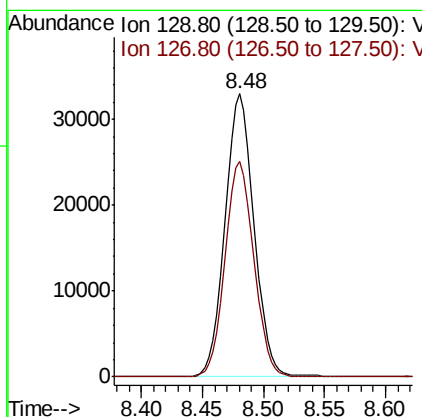
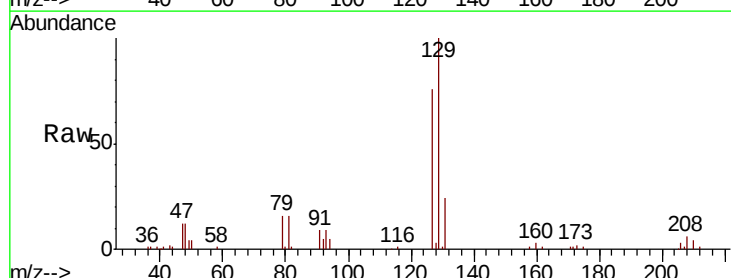
Manual Integrations
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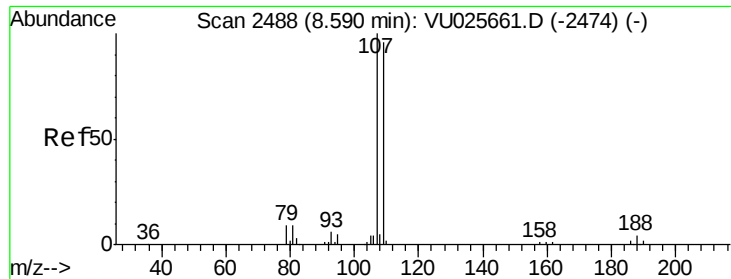
MMDadoda
7/31/2018 3:48:47 PM



#60
Dibromochloromethane
Concen: 19.35 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	129	Resp	55046
Ion Ratio	100	Lower	Upper
129	100		
127	75.6	38.6	115.8





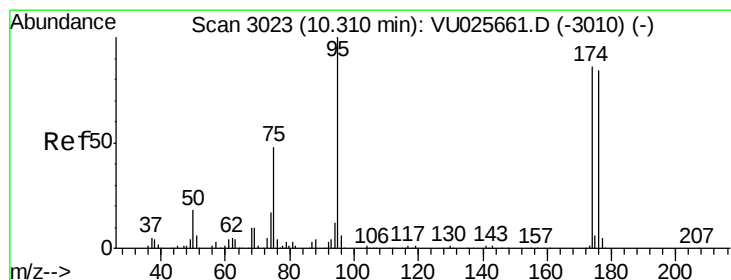
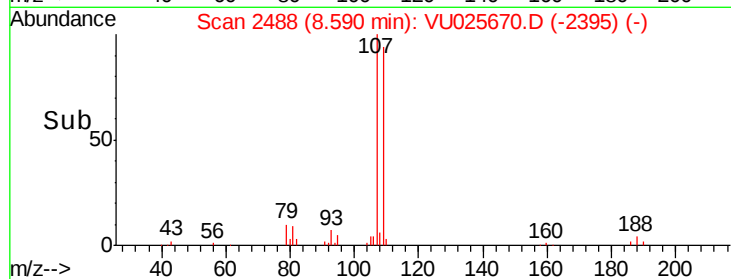
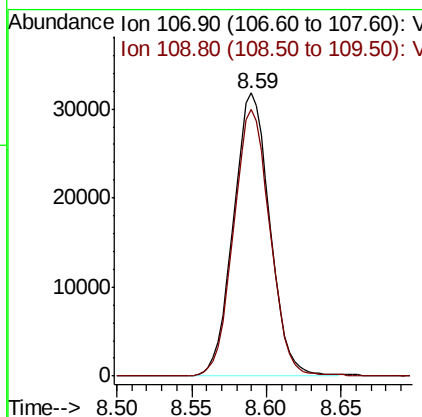
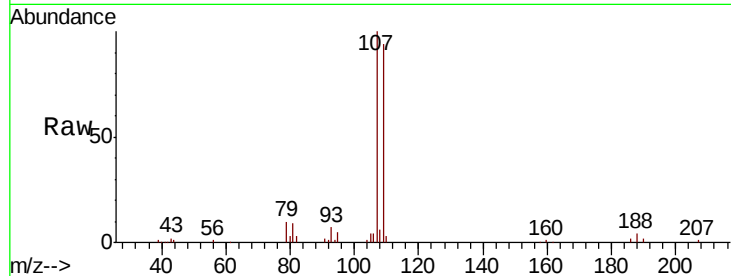
#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.8	113.8

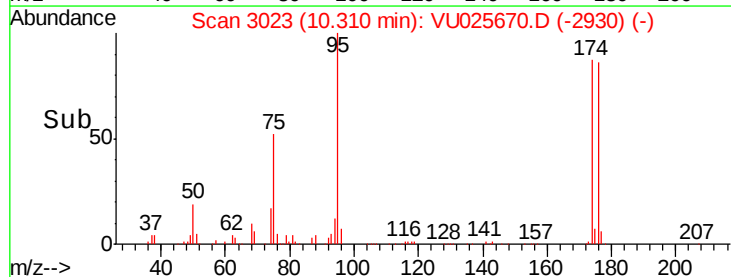
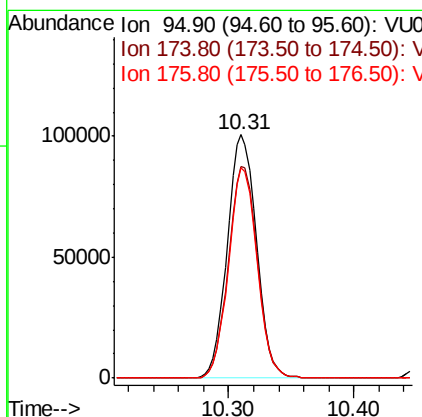
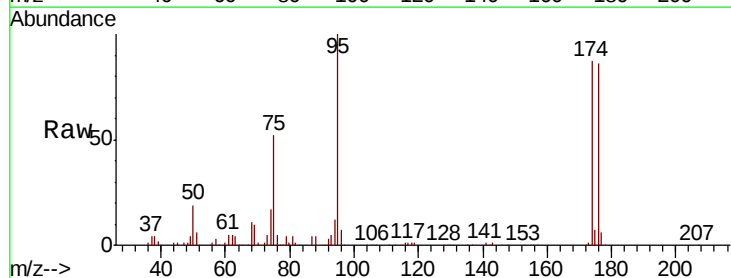
Manual Integrations
 APPROVED

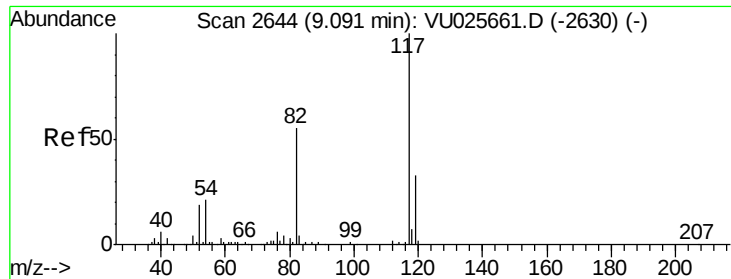
MMDadoda
 7/31/2018 3:48:47 PM



#62
 4-Bromofluorobenzene
 Concen: 50.23 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	0.0	172.2
176	84.5	0.0	162.6





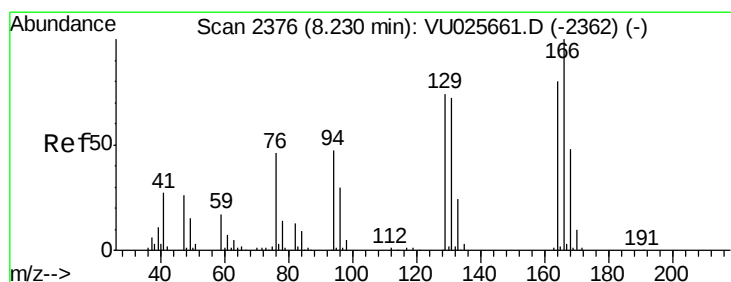
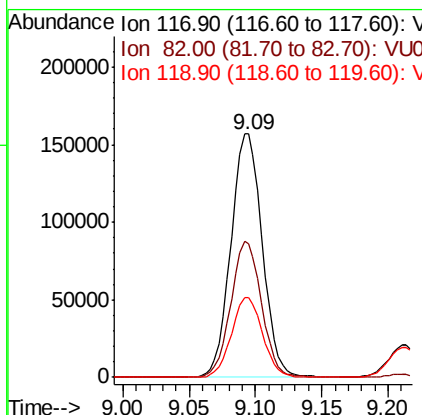
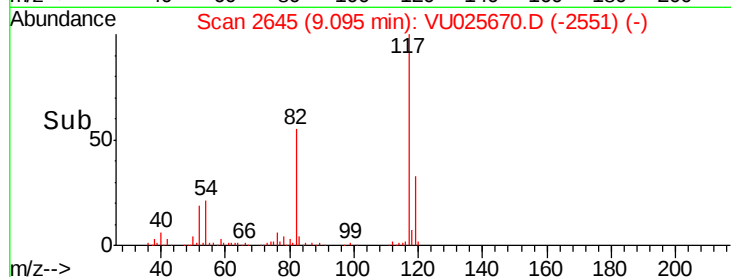
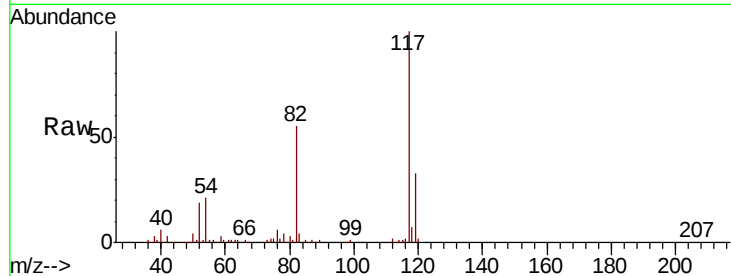
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258139		
82	55.0	46.0	69.0	
119	32.9	26.0	39.0	

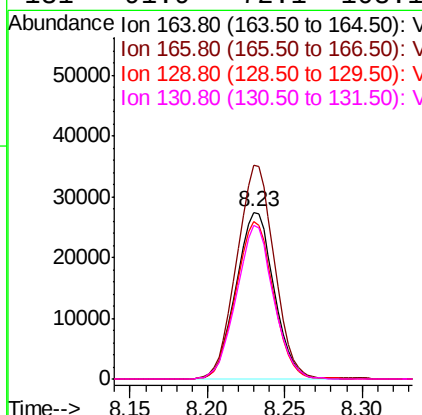
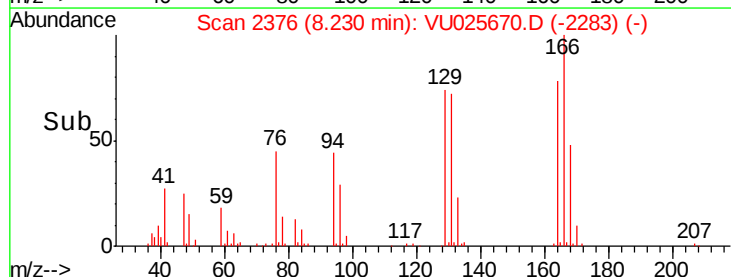
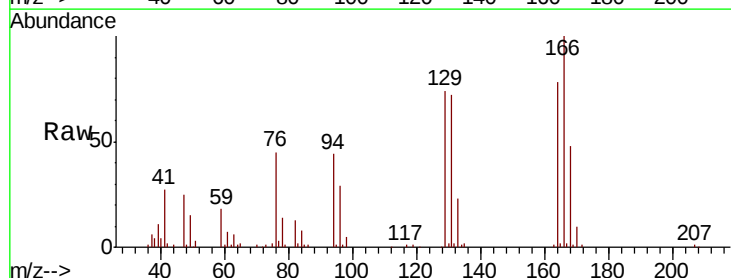
Manual Integrations
APPROVED

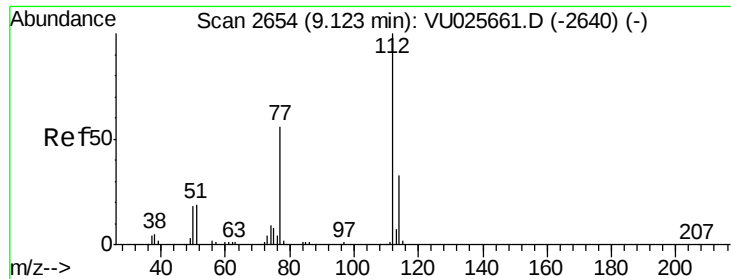
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#64
Tetrachloroethene
Concen: 20.60 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46803		
166	128.2	101.1	151.7	
129	94.2	73.0	109.6	
131	91.9	72.1	108.1	





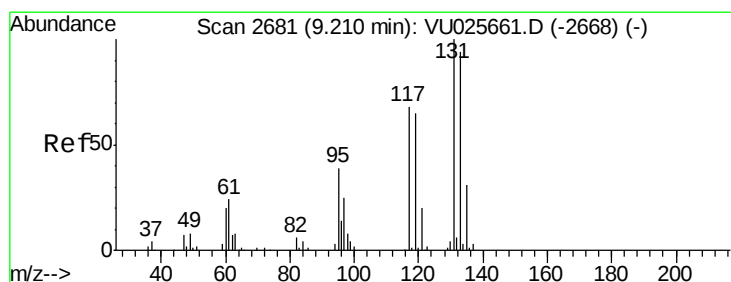
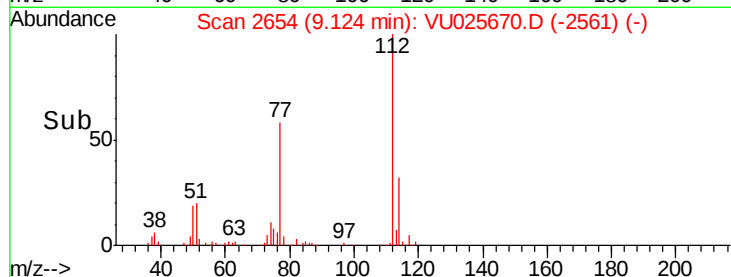
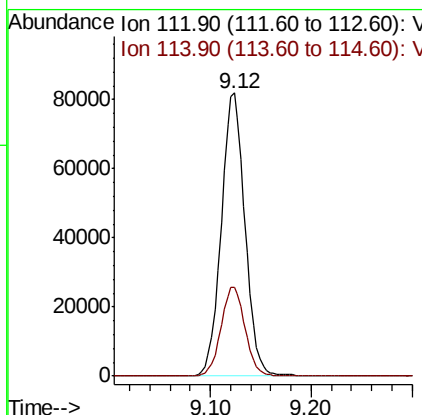
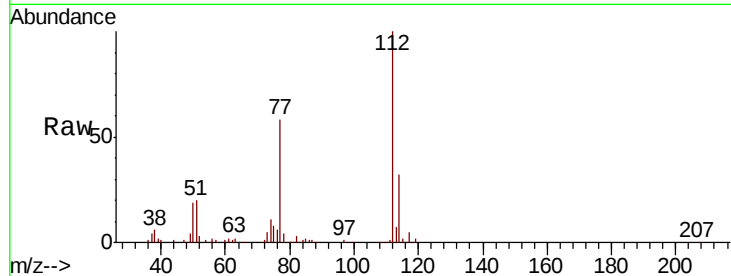
#65
Chlorobenzene
Concen: 20.20 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	134438		
114	31.6	25.8	38.8	

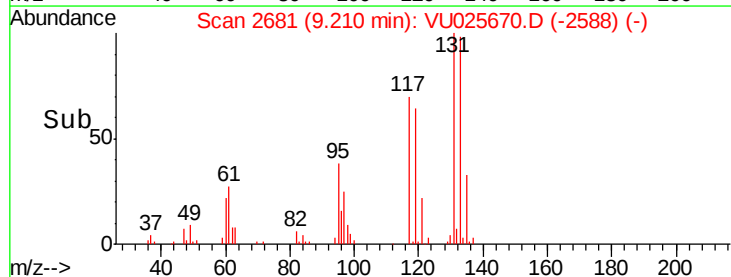
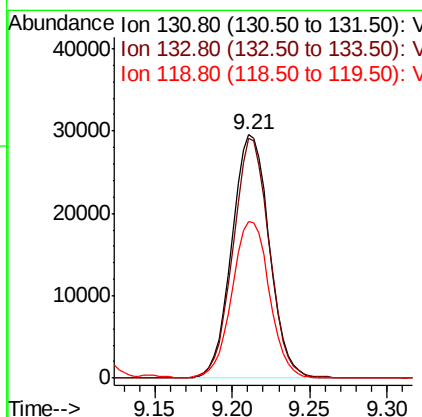
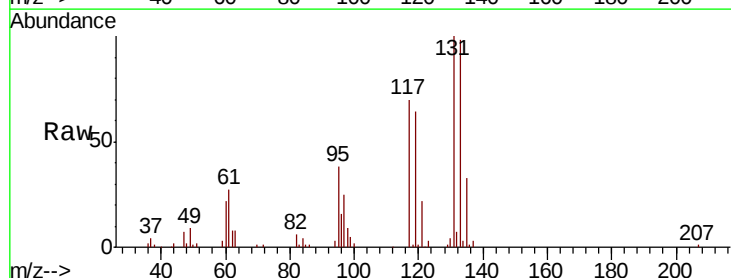
Manual Integrations
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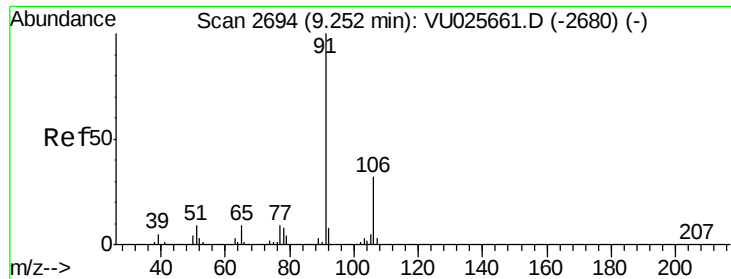
MMDadoda
7/31/2018 3:48:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	49465		
133	95.6	47.8	143.3	
119	64.7	31.6	95.0	





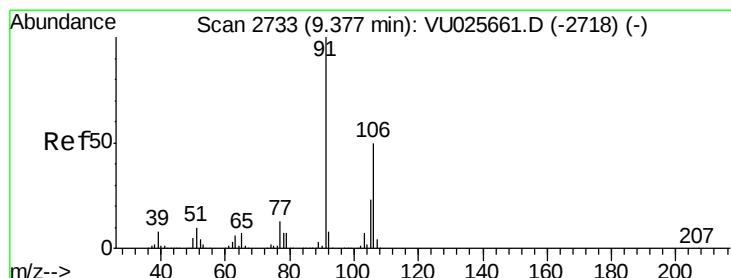
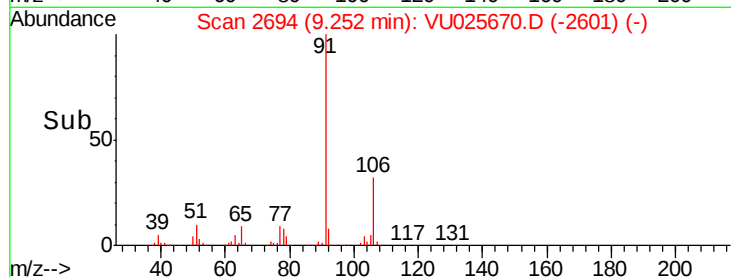
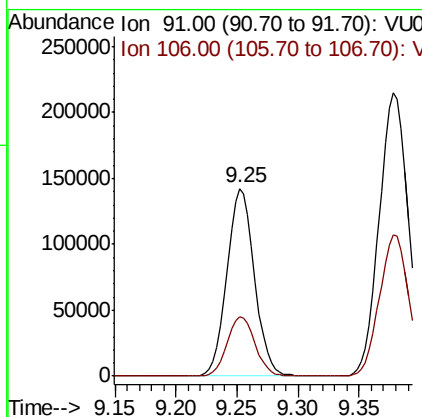
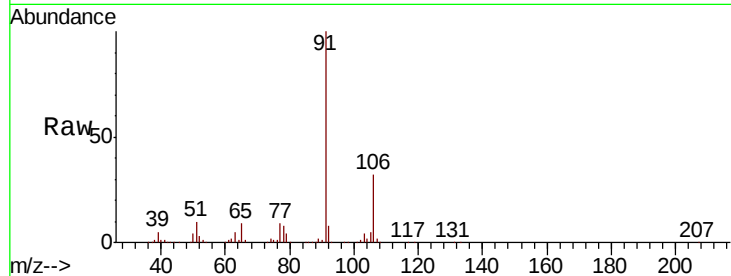
#67
Ethyl Benzene
Concen: 20.42 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.3	37.9

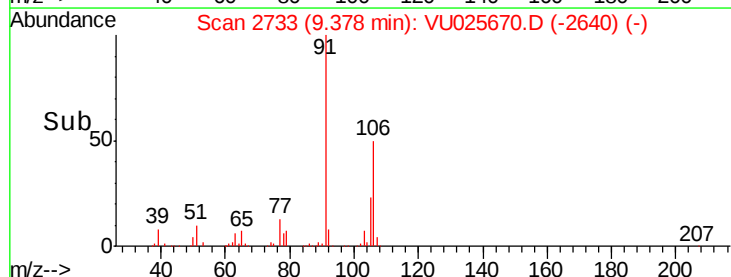
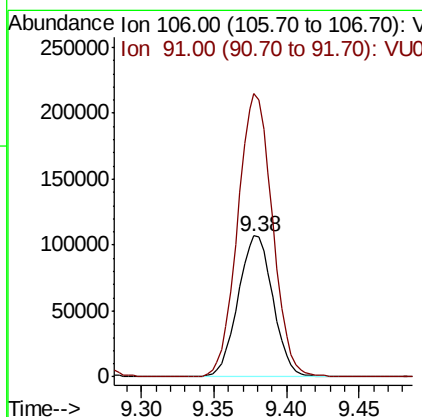
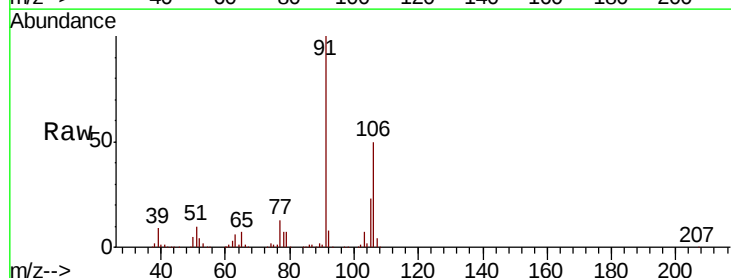
Manual Integrations
APPROVED

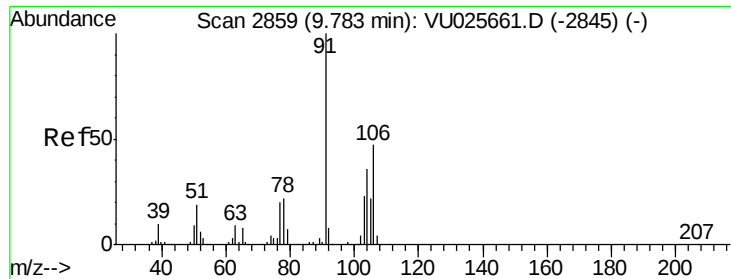
MMDadoda
7/31/2018 3:48:47 PM



#68
m/p-Xylenes
Concen: 42.33 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.3	162.3	243.5





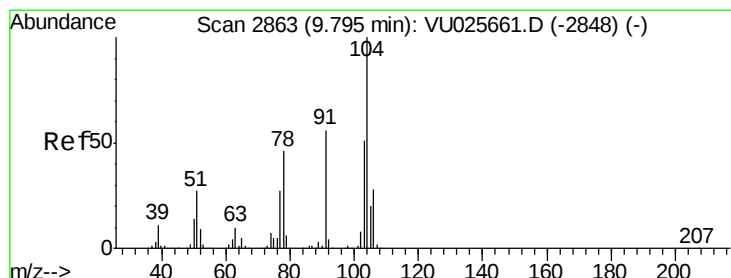
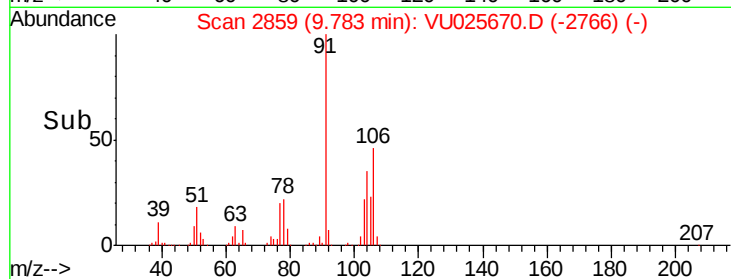
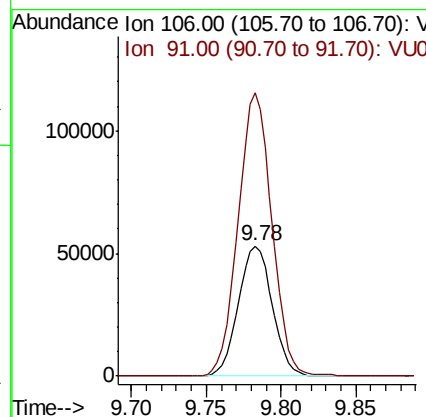
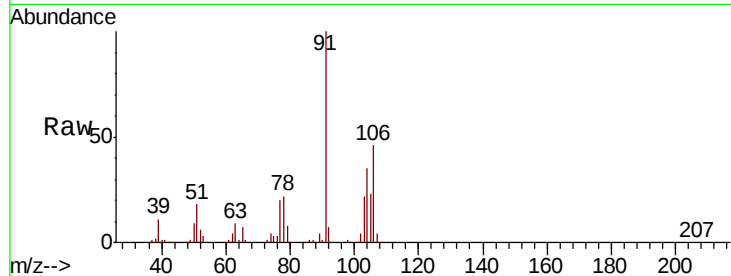
#69
o-Xylene
Concen: 20.24 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampled :
VU0727MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	216.6	105.3	315.8

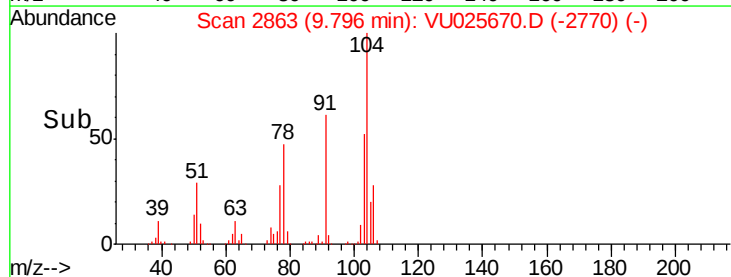
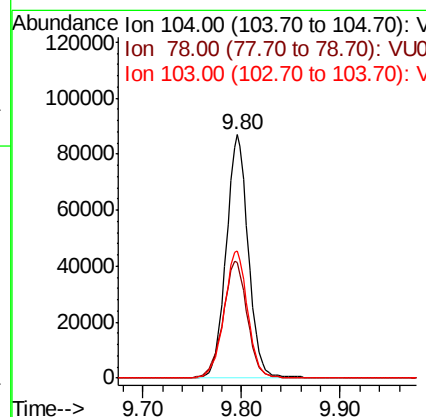
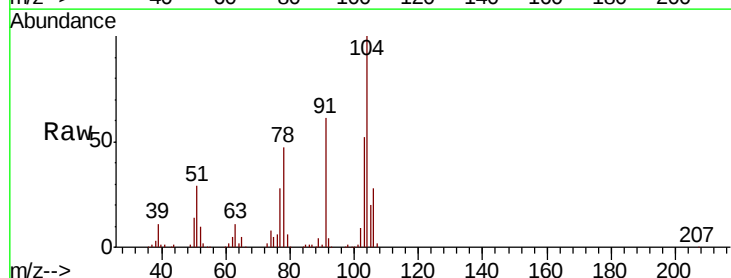
Manual Integrations
APPROVED

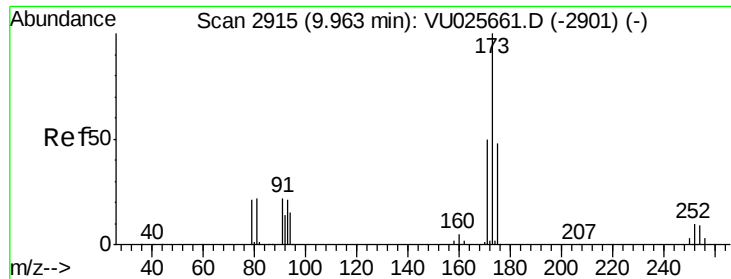
MMDadoda
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#70
Styrene
Concen: 20.51 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	52.4	41.6	62.4
103	103	55.5	44.6	66.8





#71

Bromoform

Concen: 19.38 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

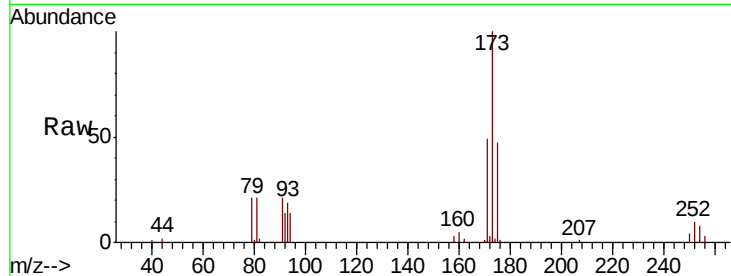
ClientSampleId :

VU0727MBS01

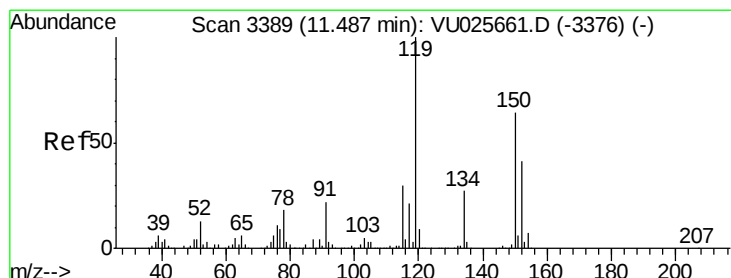
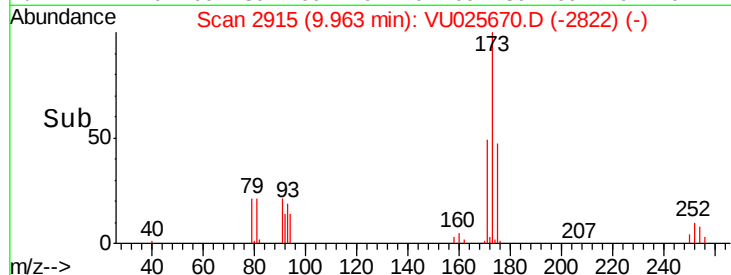
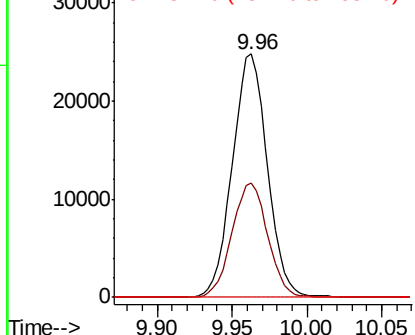
Tot Ion:	173	Resp:	40457
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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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: 50.00 ug/l

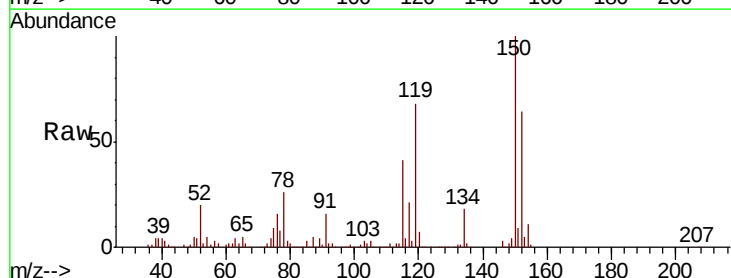
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

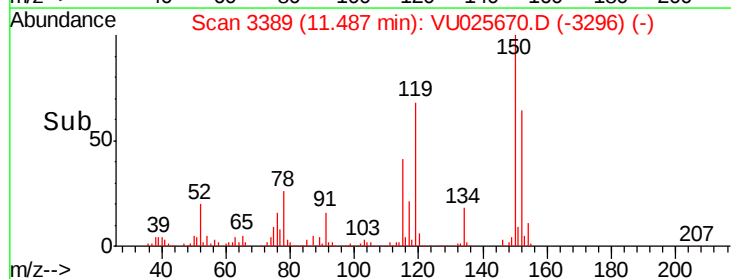
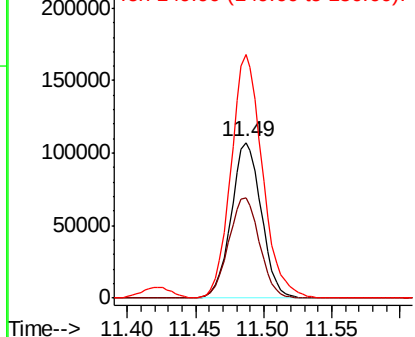
Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion:	152	Resp:	164078
Ion Ratio	Lower	Upper	
152	100		
115	66.9	40.1	120.3
150	163.4	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: 20.59 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 105 Resp: 230612

Ion Ratio Lower Upper

105 100

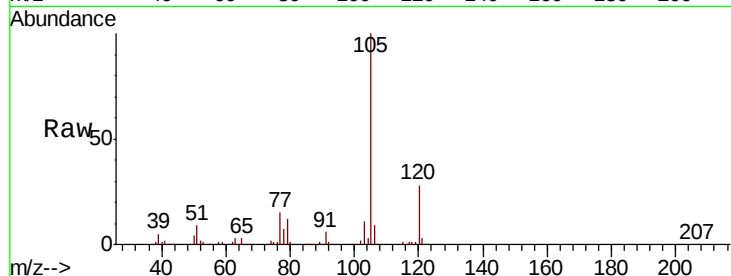
120 27.8 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

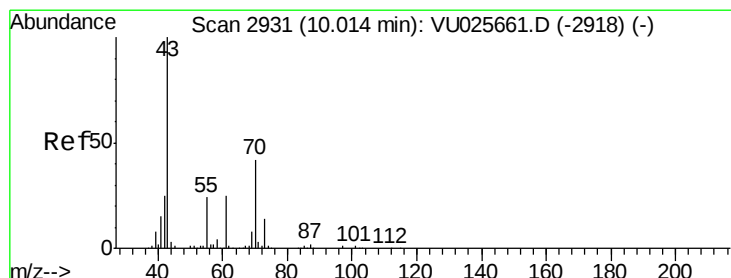
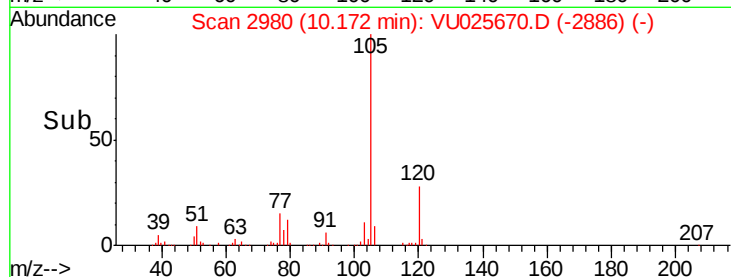
100000

50000

0

10.10 10.15 10.20 10.25

Time-->



#74

N-ethyl acetate

Concen: 20.56 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion: 43 Resp: 93981

Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.2

55 24.1 19.0 28.6

61 23.3 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

80000

60000

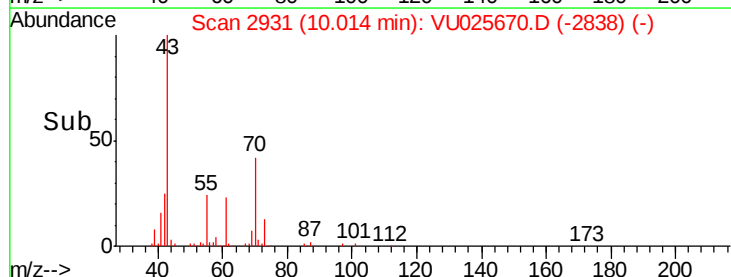
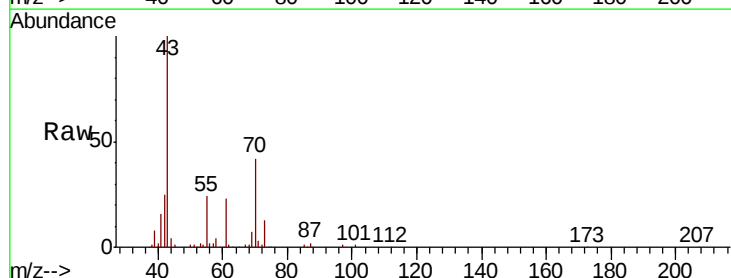
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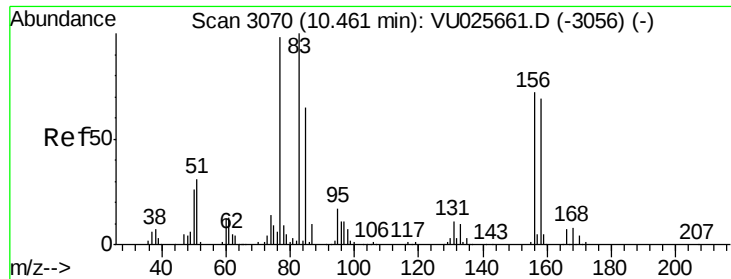
20000

0

10.00 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 83 Resp: 77382

Ion Ratio Lower Upper

83 100

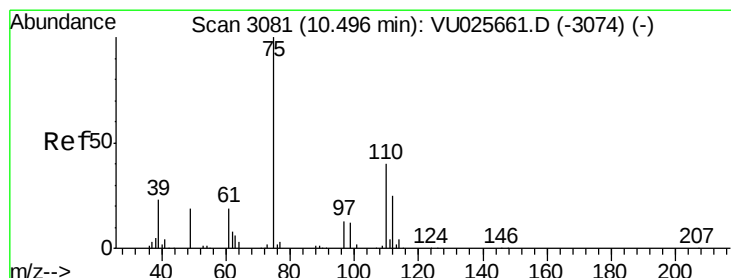
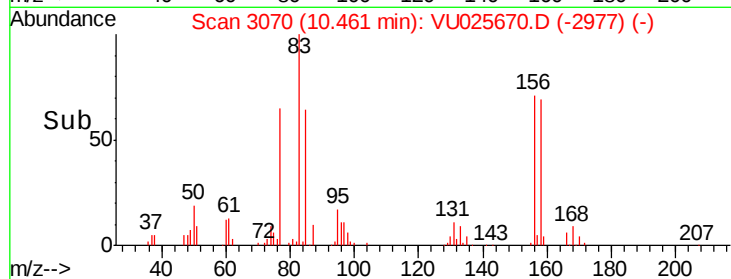
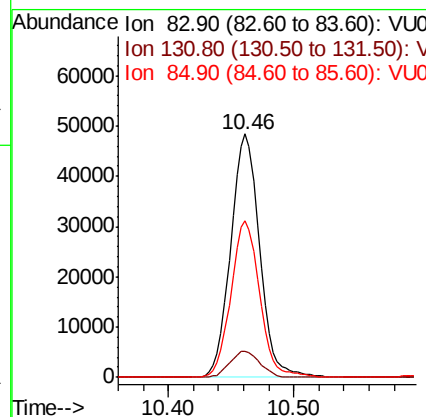
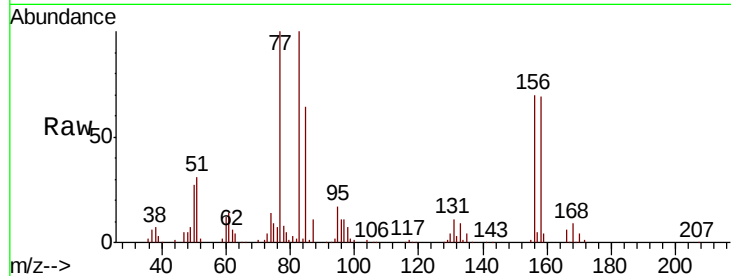
131 10.9 5.5 16.4

85 64.1 31.6 94.8

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#76

1,2,3-Trichloropropane

Concen: 19.42 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025670.D

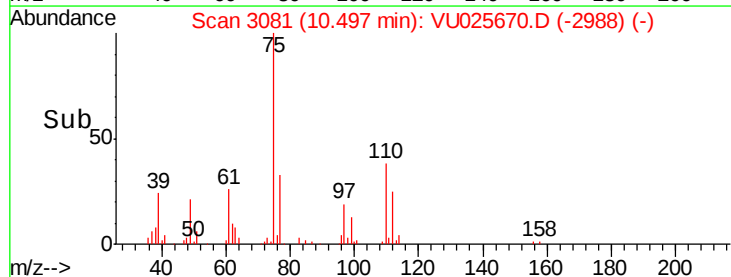
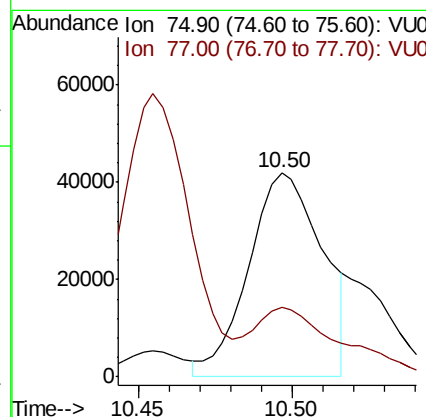
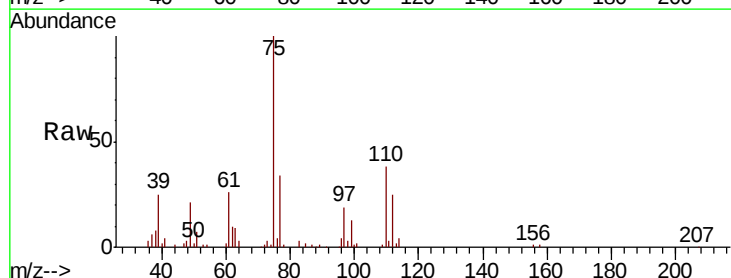
Acq: 27 Jul 2018 15:41

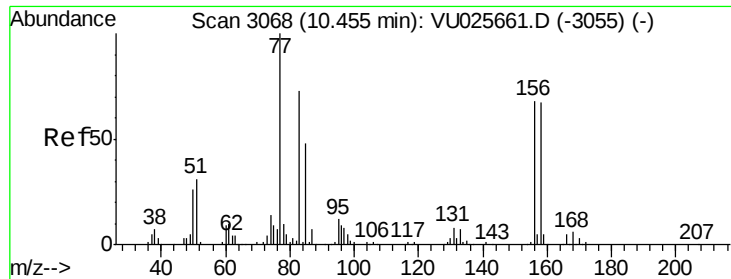
Tgt Ion: 75 Resp: 70198

Ion Ratio Lower Upper

75 100

77 40.0 20.4 61.3





#77

Bromobenzene

Concen: 20.23 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

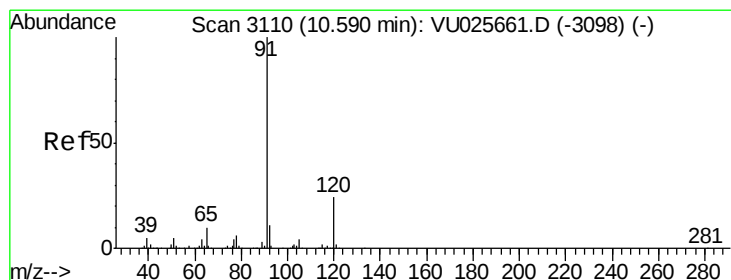
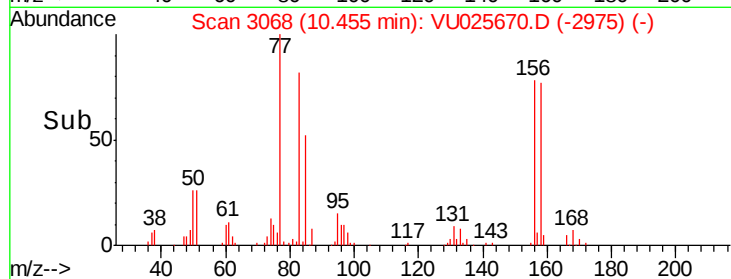
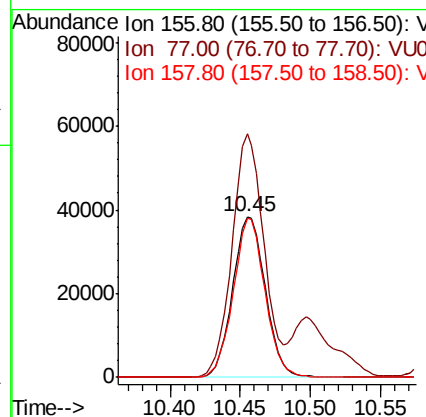
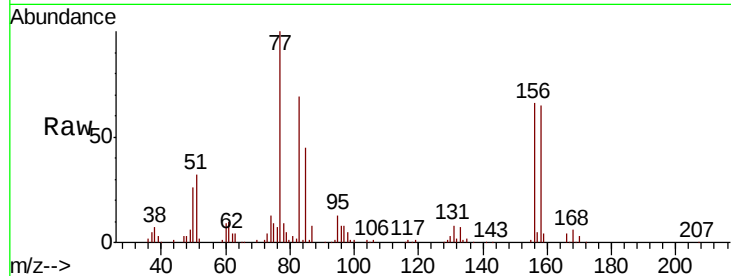
ClientSampleId :

VU0727MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.9	73.8	221.4
158	95.6	48.0	144.0

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#78

n-propylbenzene

Concen: 21.02 ug/l

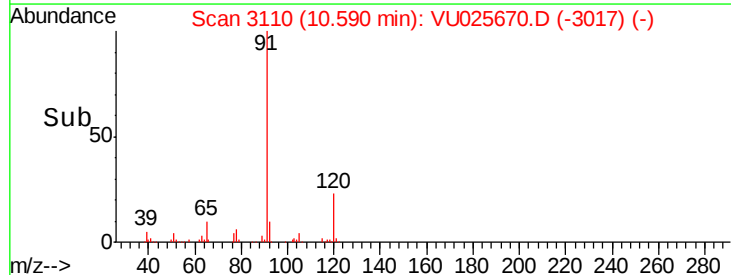
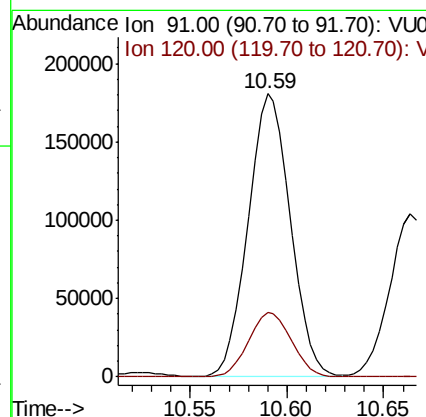
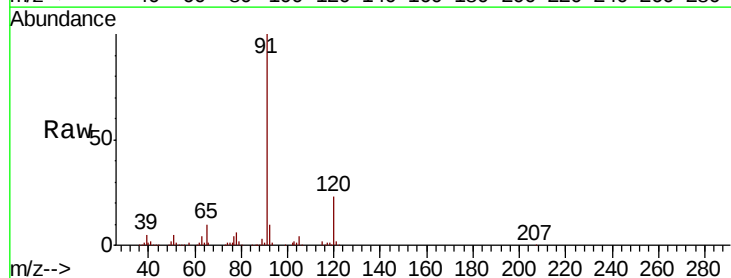
RT: 10.59 min Scan# 3110

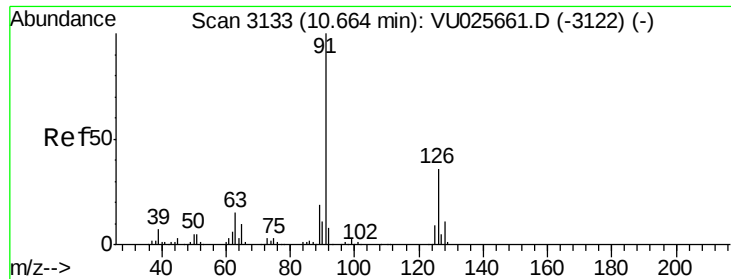
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.94 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

ClientSampleId :

VU0727MBS01

Tot Ion: 91 Resp: 160299

Ion Ratio Lower Upper

91 100

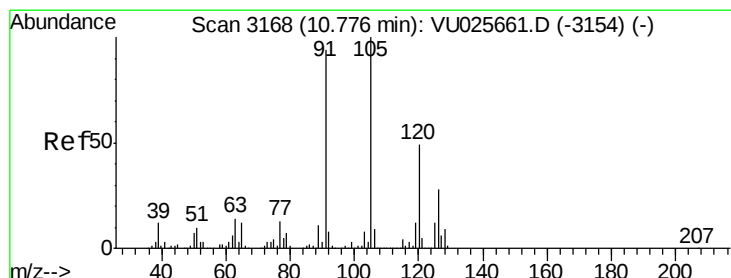
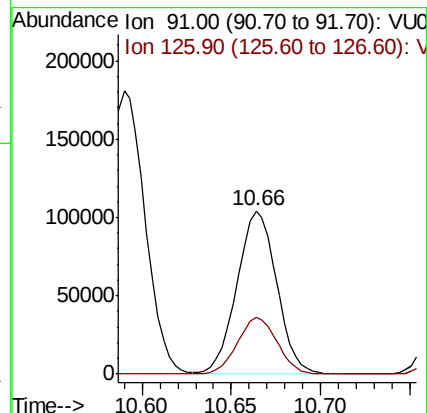
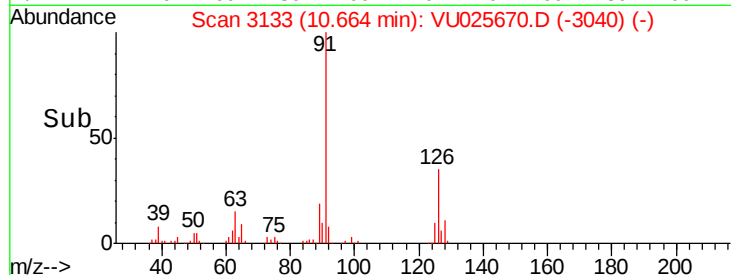
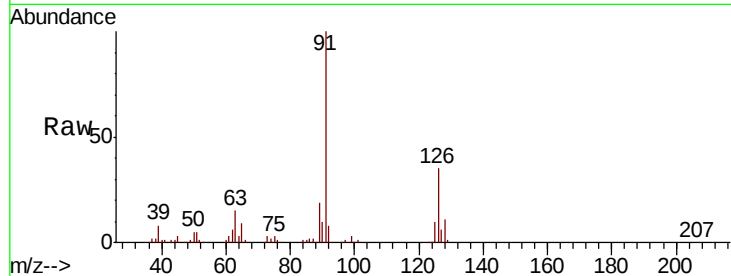
126 35.1 17.5 52.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025670.D

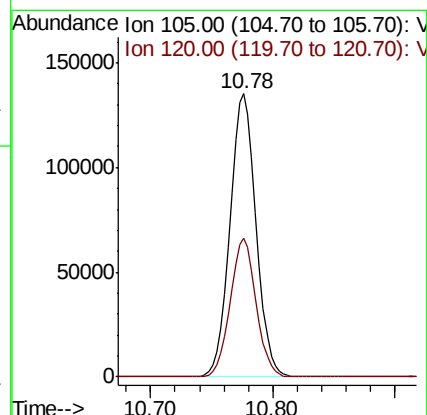
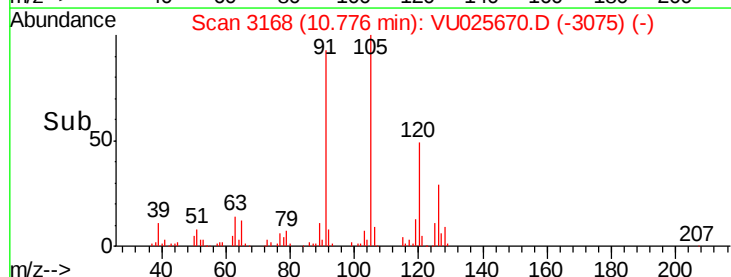
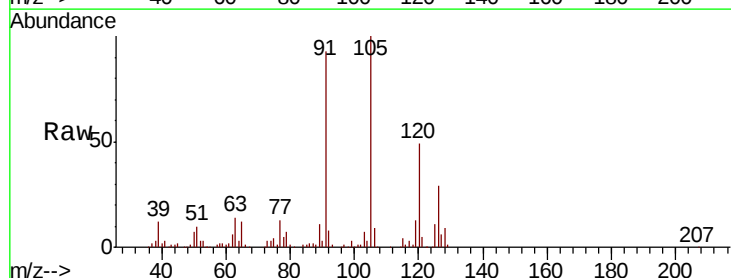
Acq: 27 Jul 2018 15:41

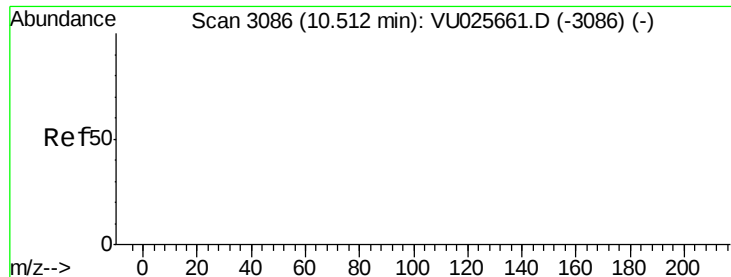
Tgt Ion: 105 Resp: 202020

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





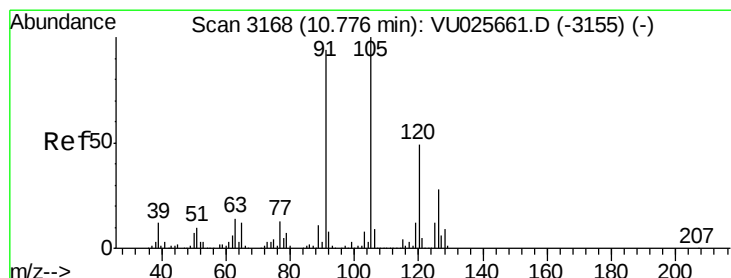
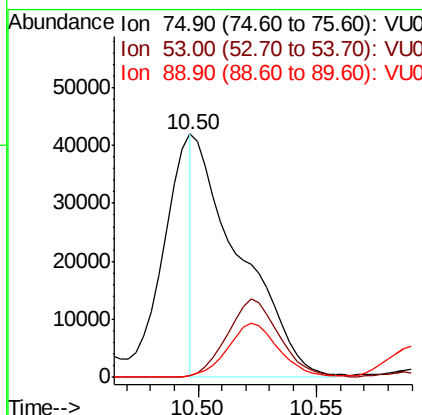
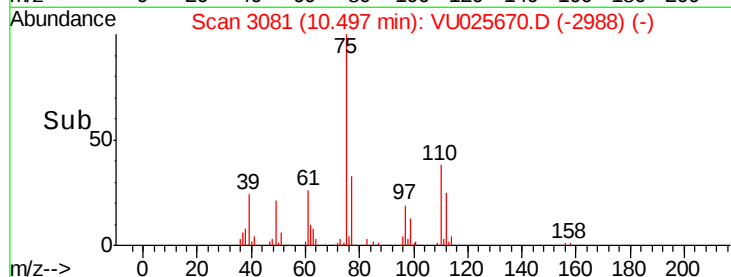
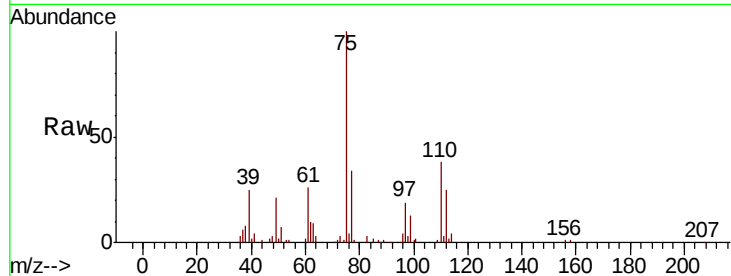
#81
trans-1,4-Dichloro-2-butene
Concen: 38.81 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

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

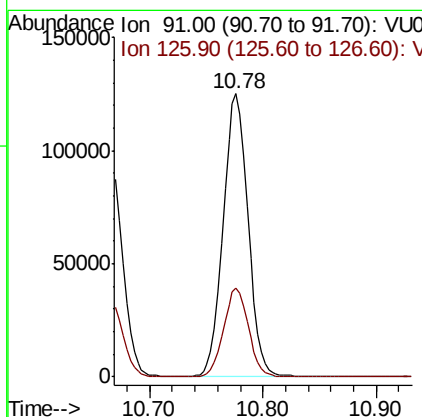
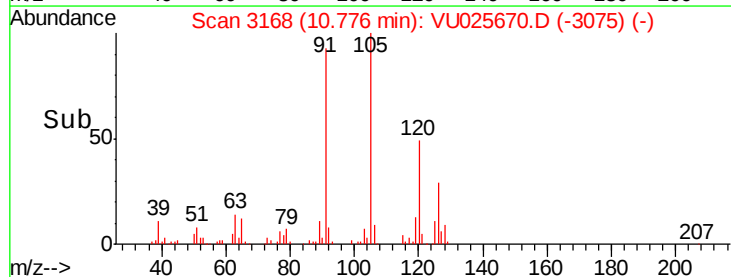
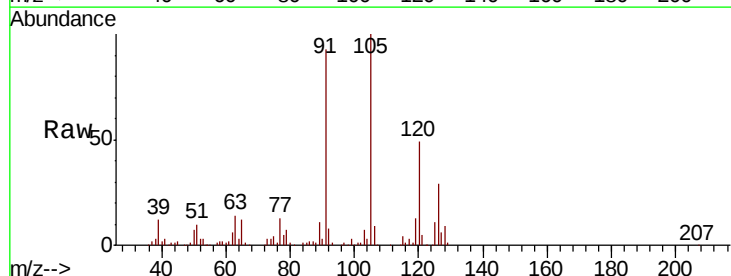
Manual Integrations
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#82
4-Chlorotoluene
Concen: 21.29 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.9





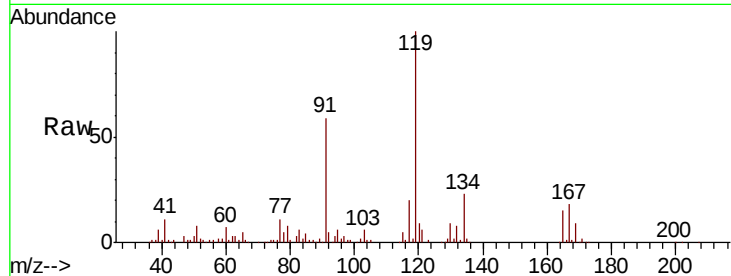
#83
tert-Butylbenzene
Concen: 20.48 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	193520		
91	58.8	29.7	89.1	
134	22.9	11.5	34.5	

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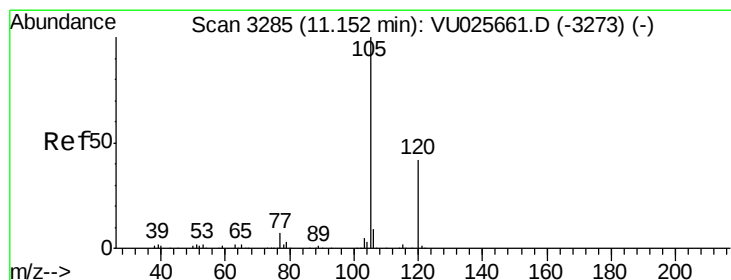
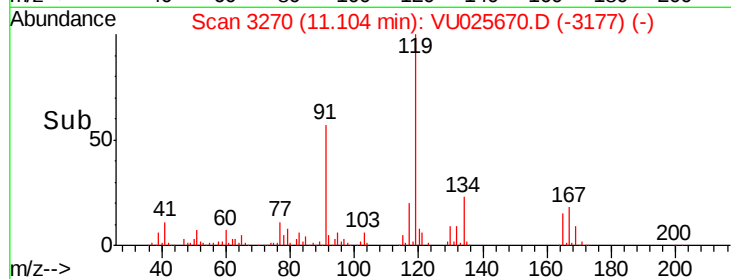
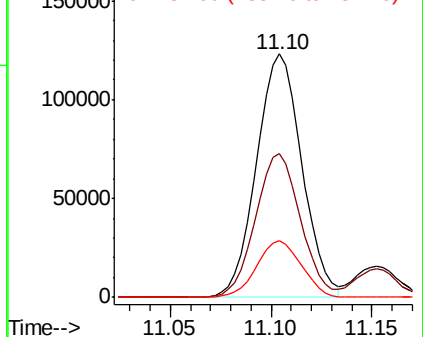


Abundance

Ion 119.00 (118.70 to 119.70): V

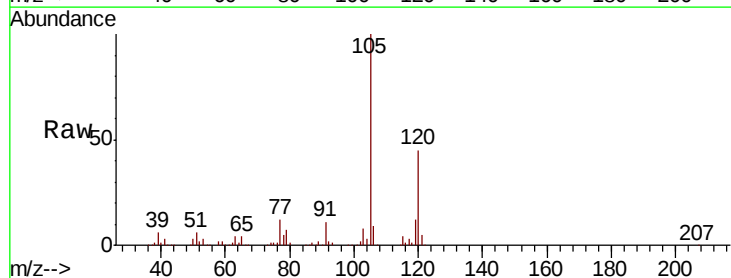
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 21.32 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

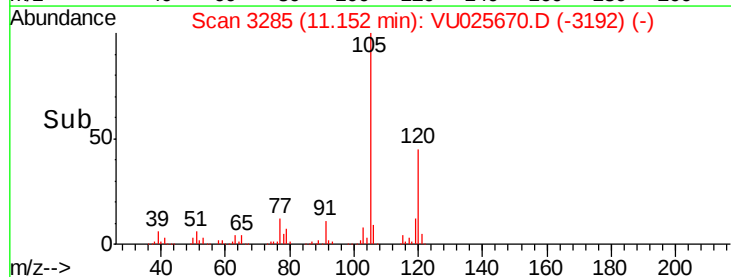
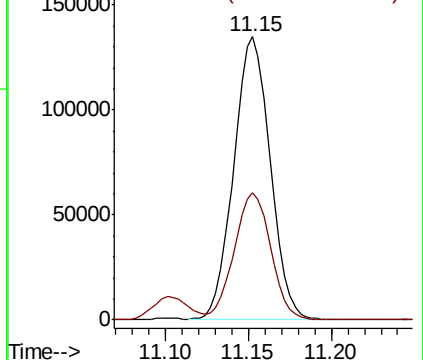
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205484		
120	45.3	22.3	66.8	

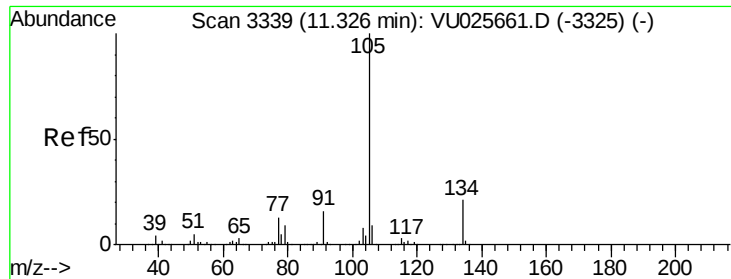


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





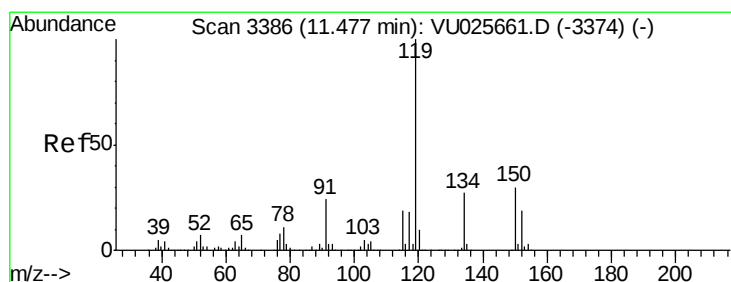
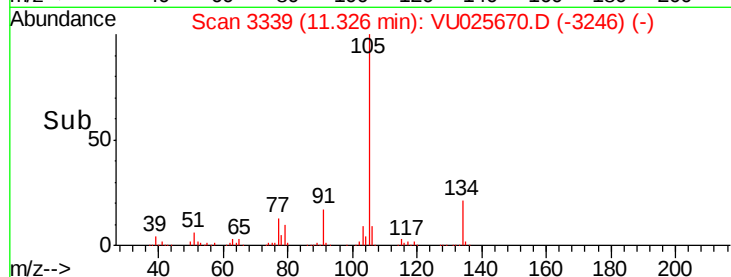
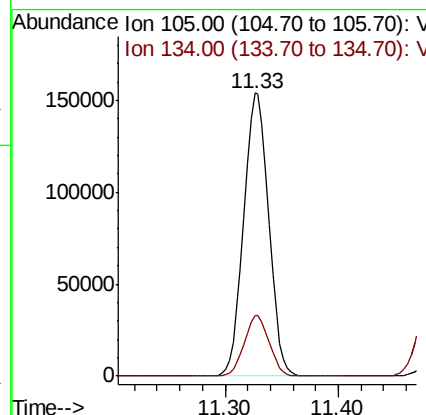
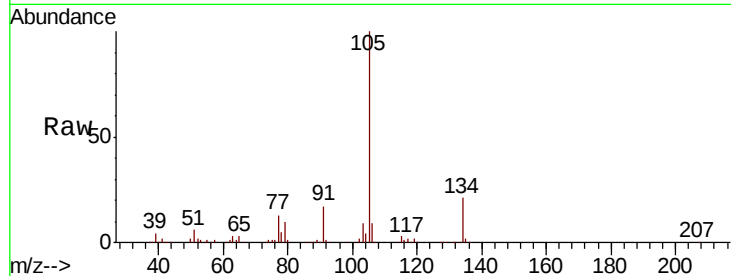
#85
 sec-Butylbenzene
 Concen: 20.54 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.3	30.8

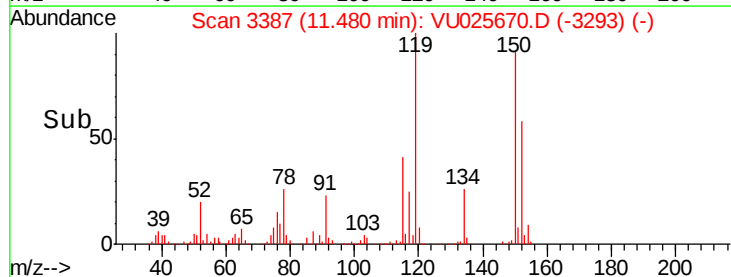
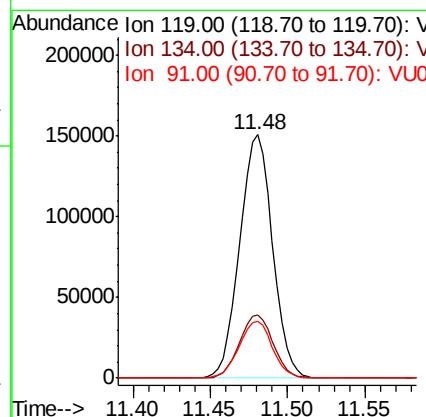
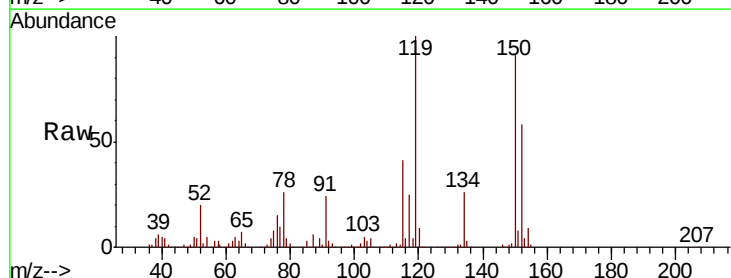
Manual Integrations
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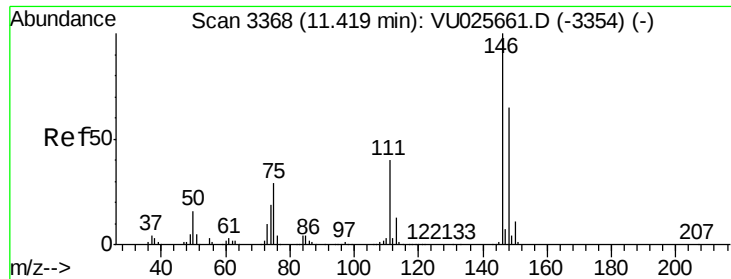
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.52 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	23.8	12.0	36.1





#87

1,3-Dichlorobenzene

Concen: 20.69 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Instrument :

MSVOA_U

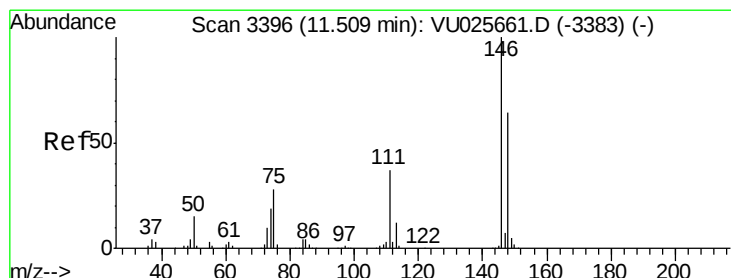
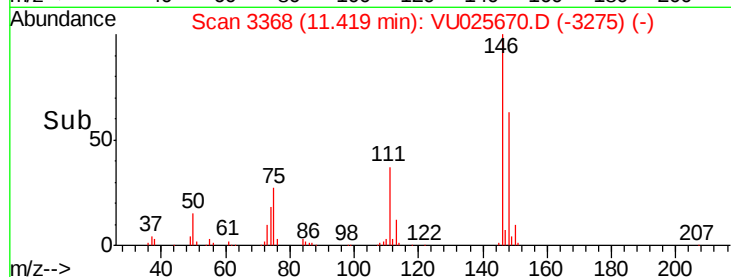
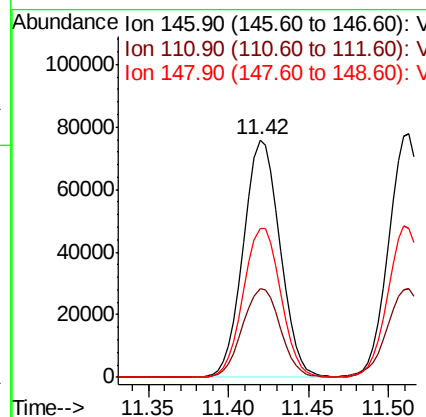
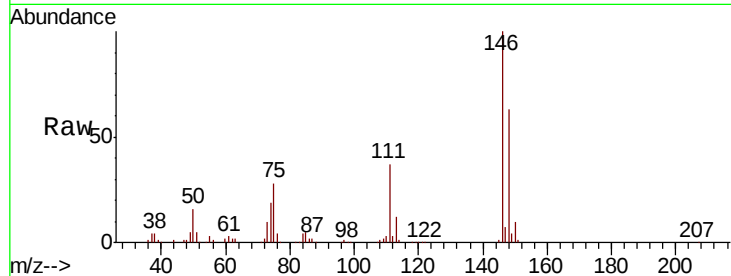
ClientSampleId :

VU0727MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.1	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.35 ug/l

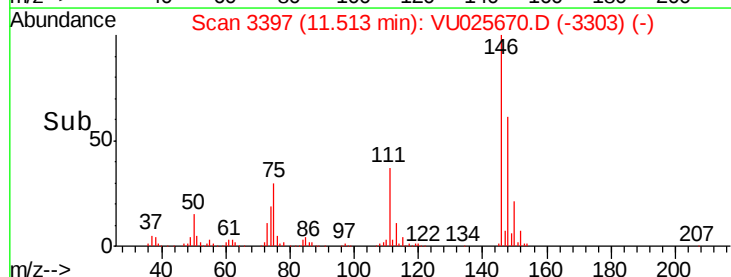
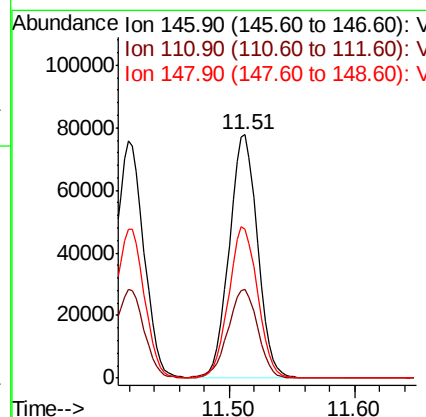
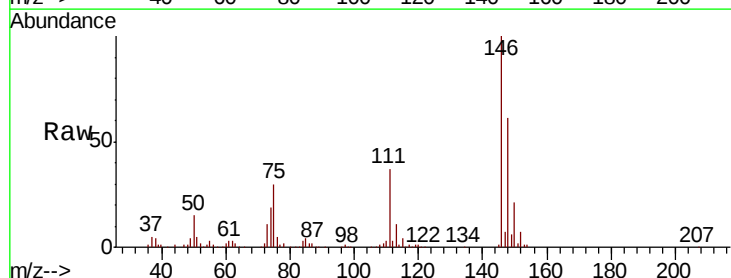
RT: 11.51 min Scan# 3397

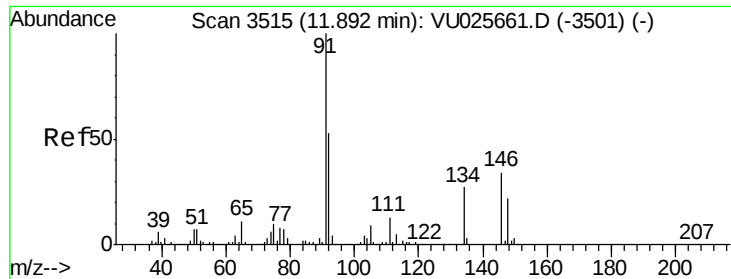
Delta R.T. 0.00 min

Lab File: VU025670.D

Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	63.8	31.7	95.1





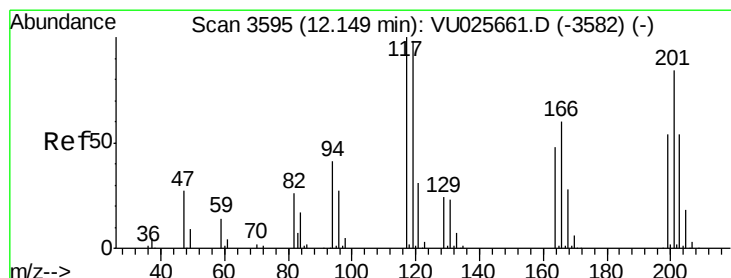
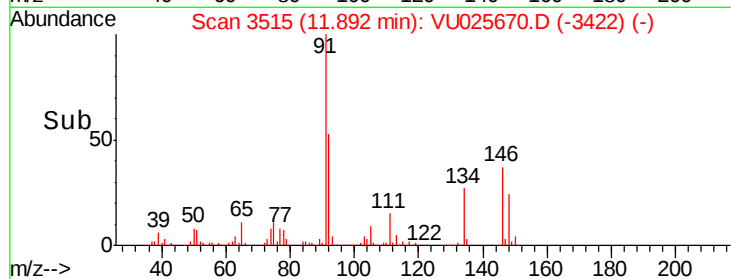
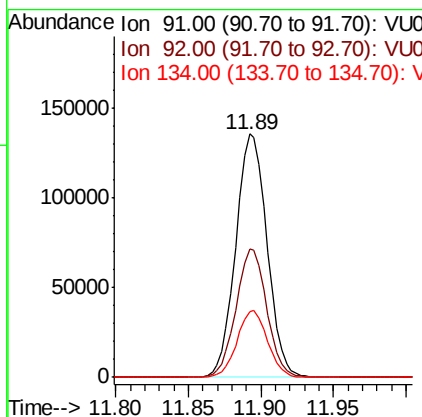
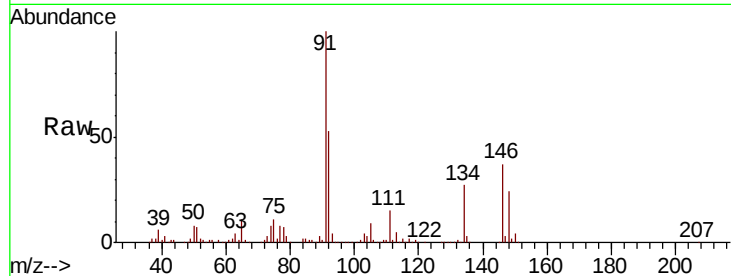
#89
n-Butylbenzene
Concen: 21.32 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.5
134	26.7	13.6	40.7

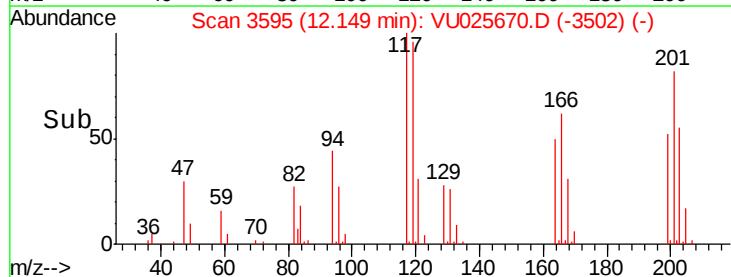
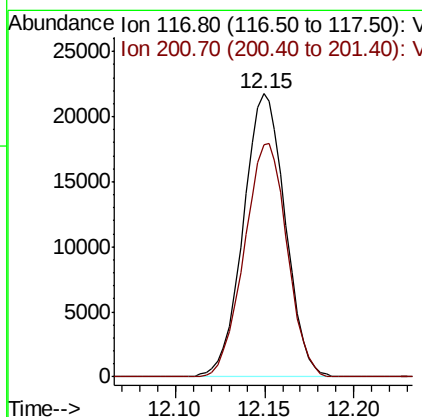
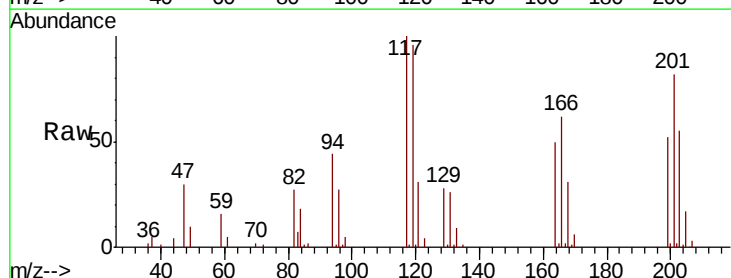
Manual Integrations
APPROVED

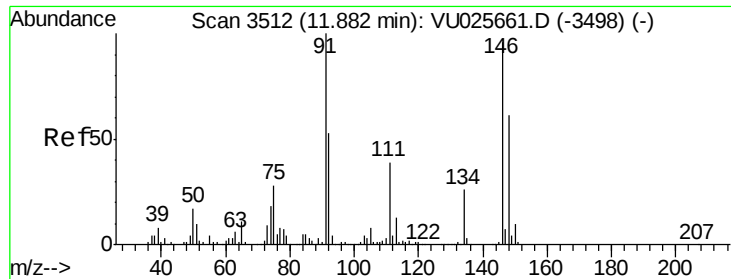
MMDadoda
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#90
Hexachloroethane
Concen: 19.48 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.5	127.6





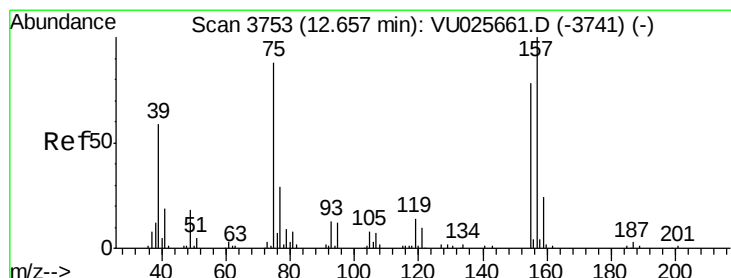
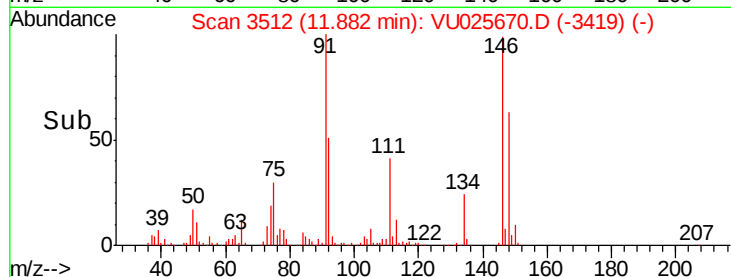
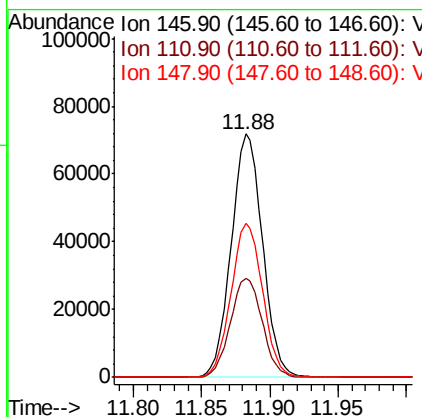
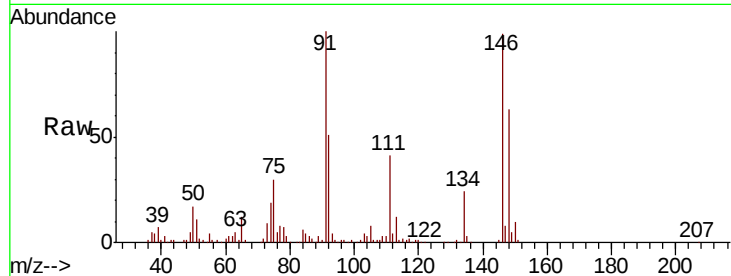
#91
 1,2-Dichlorobenzene
 Concen: 20.37 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	63.9	31.5	94.5

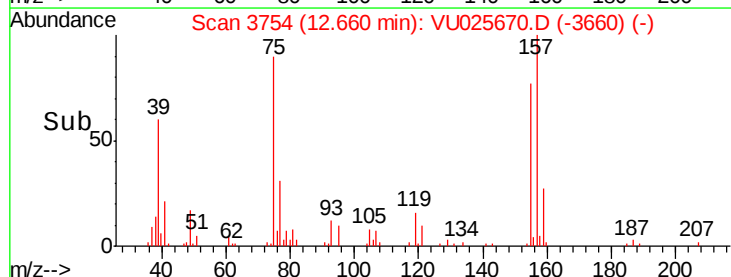
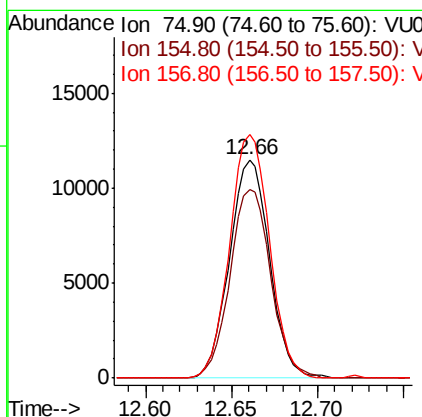
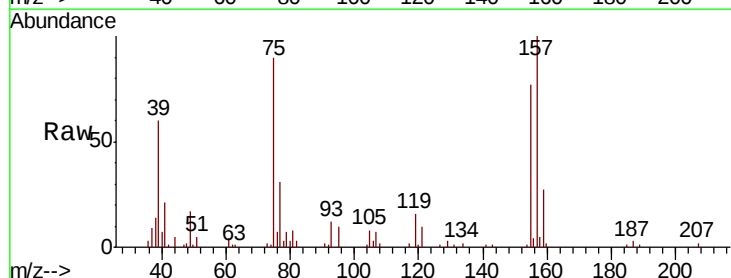
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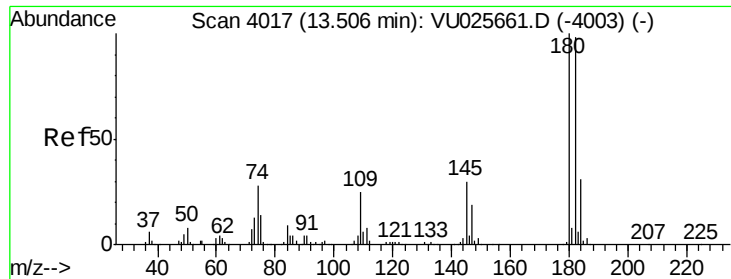
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.39 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.5	133.3
157	110.8	57.0	170.8





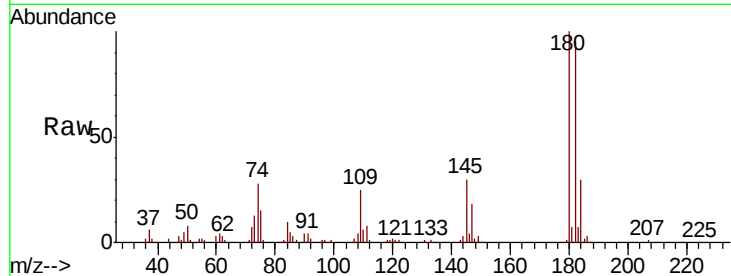
#93
 1,2,4-Trichlorobenzene
 Concen: 21.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.9
145	29.5	14.9	44.7

Manual Integrations
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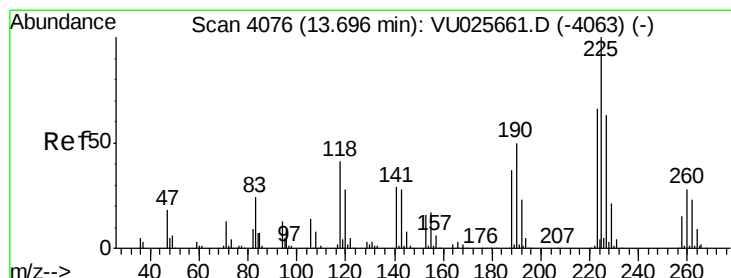
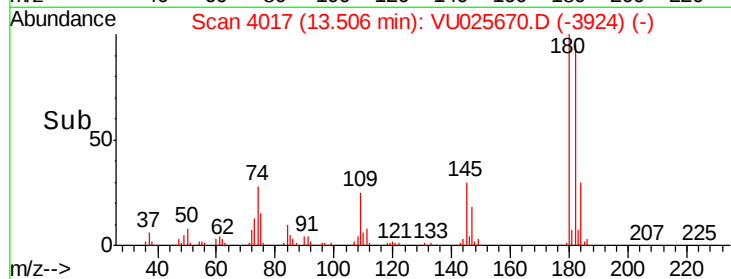
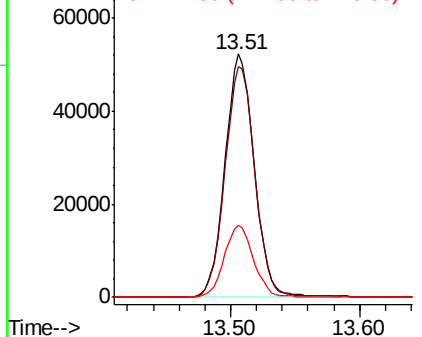


Abundance

Ion 179.80 (179.50 to 180.50): V

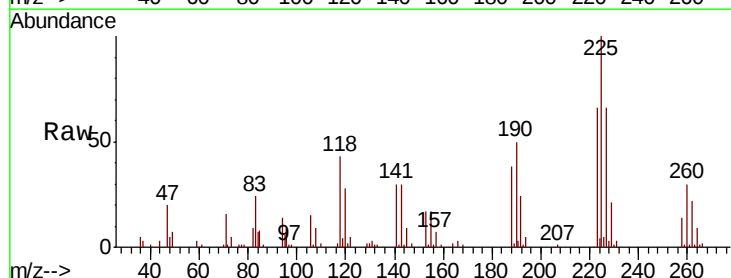
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.82 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025670.D
 Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	64.4	32.3	96.9

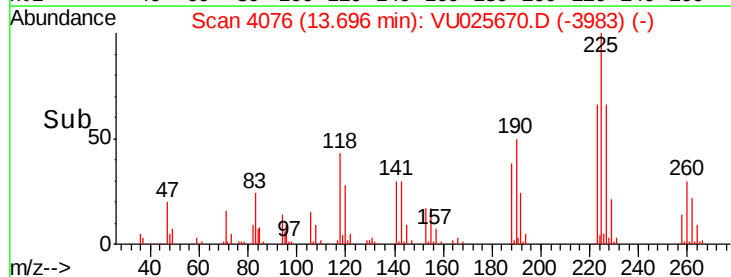
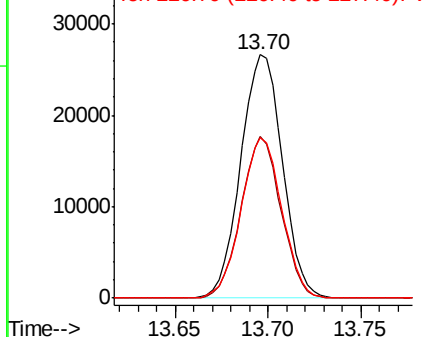


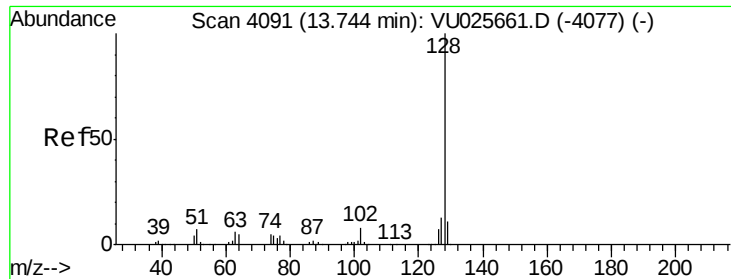
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





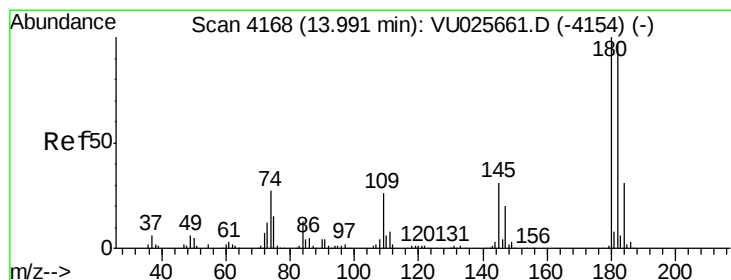
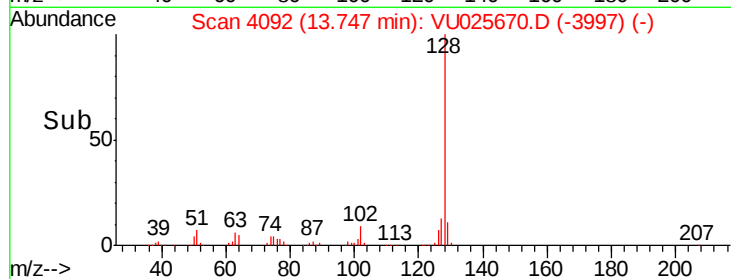
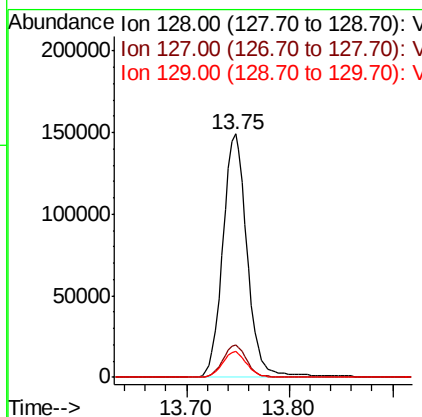
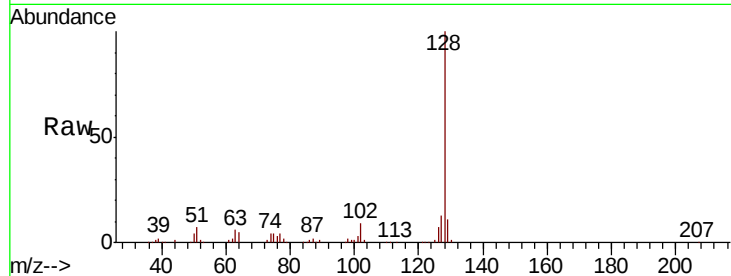
#95
Naphthalene
Concen: 20.92 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Instrument :
MSVOA_U
ClientSampleId :
VU0727MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.3	8.3	12.5

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#96
1,2,3-Trichlorobenzene
Concen: 21.37 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025670.D
Acq: 27 Jul 2018 15:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.8	143.3
145	32.0	15.6	46.8

