

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025686.D
 Acq On : 27 Jul 2018 22:44
 Operator : MD/SY
 Sample : VU0727WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Manual Integrations
 APPROVED

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 7/31/2018 3:49:52 PM

Quant Time: Jul 28 05:47:20 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	167703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	257689	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	252347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	133677	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	4.89	113	108535	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	7.57	98	383723	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	10.31	95	146528	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	53781	21.22	ug/l	98
3) Chloromethane	1.33	50	47032	19.41	ug/l	99
4) Vinyl Chloride	1.41	62	45212	19.83	ug/l	100
5) Bromomethane	1.63	94	23849	21.42	ug/l	96
6) Chloroethane	1.70	64	25067	18.80	ug/l	96
7) Trichlorofluoromethane	1.89	101	67632	20.52	ug/l	99
8) Diethyl Ether	2.10	74	22498	18.86	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	39844	20.89	ug/l	95
10) Methyl Iodide	2.41	142	27756	21.51	ug/l	98
11) Tert butyl alcohol	2.83	59	58266	101.85	ug/l	99
12) 1,1-Dichloroethene	2.28	96	34805	19.33	ug/l	97
13) Acrolein	2.19	56	17025	80.80	ug/l	94
14) Allyl chloride	2.59	41	60608	18.73	ug/l	98
15) Acrylonitrile	2.94	53	116833	102.29	ug/l	99
16) Acetone	2.32	43	110016	86.36	ug/l	97
17) Carbon Disulfide	2.48	76	111744	19.18	ug/l	99
18) Methyl Acetate	2.62	43	69092	22.53	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	131185	20.10	ug/l	100
20) Methylene Chloride	2.70	84	43234	19.15	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	41630	20.00	ug/l	97
22) Diisopropyl ether	3.58	45	130528	20.47	ug/l	95
23) Vinyl Acetate	3.53	43	551746	99.29	ug/l	99
24) 1,1-Dichloroethane	3.45	63	76996	20.12	ug/l	99
25) 2-Butanone	4.27	43	175323	101.10	ug/l	100
26) 2,2-Dichloropropane	4.23	77	55966	16.09	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	46042	19.62	ug/l	98
28) Bromochloromethane	4.55	49	34869	20.37	ug/l	99
29) Tetrahydrofuran	4.64	42	108546	104.47	ug/l	99
30) Chloroform	4.68	83	80275	19.87	ug/l	99
31) Cyclohexane	5.00	56	68455	19.74	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	73381	20.17	ug/l	99
36) 1,1-Dichloropropene	5.14	75	58633	19.47	ug/l	98
37) Ethyl Acetate	4.38	43	62619	20.05	ug/l	99
38) Carbon Tetrachloride	5.14	117	65036	19.07	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	66422	19.25	ug/l	98
40) Benzene	5.39	78	167345	19.01	ug/l	97
41) Methacrylonitrile	4.55	41	34226	19.73	ug/l	97
42) 1,2-Dichloroethane	5.41	62	65580	19.35	ug/l	100
43) Isopropyl Acetate	5.55	43	100654	19.51	ug/l	99
44) Trichloroethene	6.19	130	46468	18.96	ug/l	95
45) 1,2-Dichloropropane	6.44	63	44069	19.20	ug/l	97
46) Dibromomethane	6.56	93	31763	19.09	ug/l	100
47) Bromodichloromethane	6.76	83	60336	19.01	ug/l	95
48) Methyl methacrylate	6.63	41	50907	20.13	ug/l	98
49) 1,4-Dioxane	6.62	88	25767	418.68	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	323107	100.02	ug/l	100
52) Toluene	7.64	92	108662	19.87	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65566	18.40	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	68383	18.68	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	44180	19.44	ug/l	99
56) Ethyl methacrylate	8.02	69	62945	19.38	ug/l	98
57) 1,3-Dichloropropane	8.25	76	75362	19.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	132362	94.54	ug/l	99
59) 2-Hexanone	8.36	43	252820	99.84	ug/l	100
60) Dibromochloromethane	8.48	129	50194	18.73	ug/l	99
61) 1,2-Dibromoethane	8.59	107	50055	19.80	ug/l	98
64) Tetrachloroethene	8.23	164	42873	19.30	ug/l	96
65) Chlorobenzene	9.12	112	124926	19.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	44991	19.12	ug/l	97
67) Ethyl Benzene	9.25	91	204517	18.98	ug/l	99
68) m/p-Xylenes	9.38	106	161210	38.96	ug/l	100
69) o-Xylene	9.78	106	77280	19.11	ug/l	96
70) Styrene	9.80	104	124721	19.09	ug/l	99
71) Bromoform	9.96	173	37109	18.18	ug/l #	100
73) Isopropylbenzene	10.17	105	210206	19.68	ug/l	99
74) N-amyl acetate	10.02	43	87387	20.04	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	70998	19.22	ug/l	97
76) 1,2,3-Trichloropropane	10.50	75	63365m	18.37	ug/l	
77) Bromobenzene	10.45	156	57017	19.35	ug/l	99
78) n-propylbenzene	10.59	91	246460	19.77	ug/l	100
79) 2-Chlorotoluene	10.66	91	144834	19.83	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	180404	19.88	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	49838m	36.24	ug/l	
82) 4-Chlorotoluene	10.78	91	171903	19.97	ug/l	99
83) tert-Butylbenzene	11.10	119	172731	19.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	184623	20.08	ug/l	100
85) sec-Butylbenzene	11.33	105	216312	19.65	ug/l	99
86) p-Isopropyltoluene	11.48	119	192892	19.57	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105176	19.23	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	108647	19.06	ug/l	99
89) n-Butylbenzene	11.89	91	174719	19.21	ug/l	98
90) Hexachloroethane	12.15	117	31985	18.25	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	103939	19.39	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	16998	19.41	ug/l	99

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ClientSampleId :
VU0727WBS02

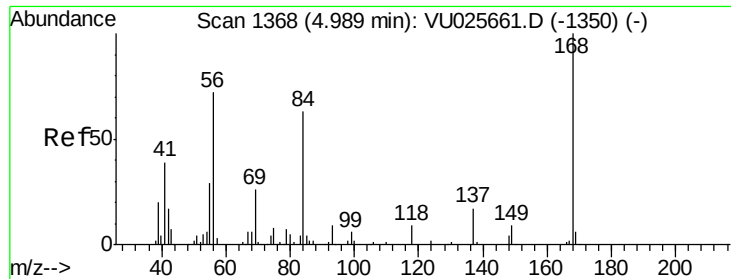
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72286	19.98	ug/l	100
94) Hexachlorobutadiene	13.70	225	36143	18.95	ug/l	99
95) Naphthalene	13.75	128	206810	18.60	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	71646	19.85	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion:168 Resp: 167703

Ion Ratio Lower Upper

168 100

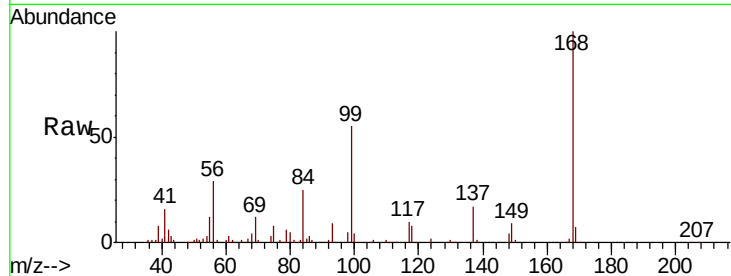
99 54.3 42.8 64.2

Manual Integrations

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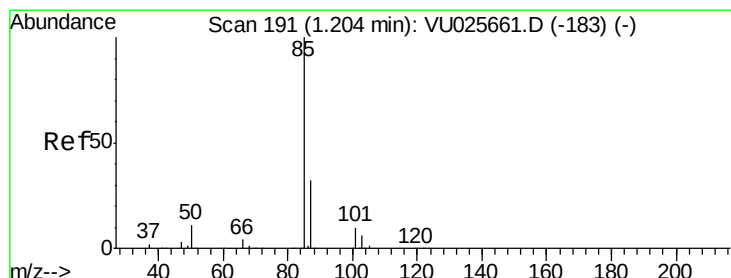
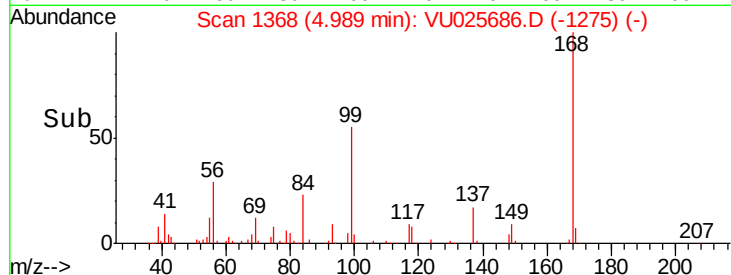
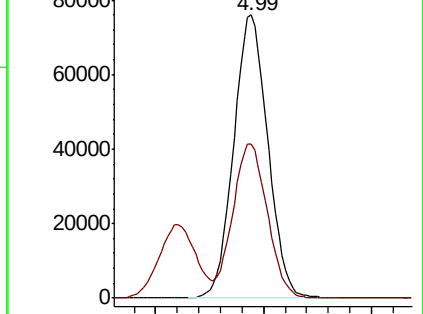
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Abundance Ion 167.90 (167.60 to 168.60): VU025686.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU025686.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 21.22 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025686.D

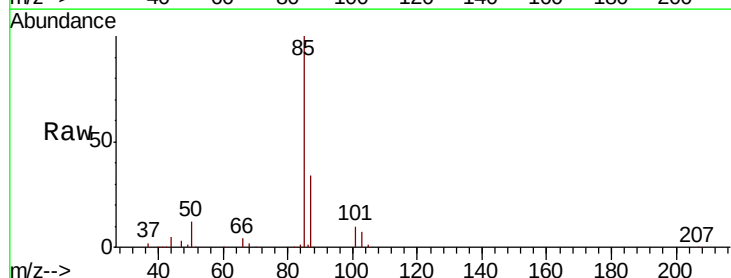
Acq: 27 Jul 2018 22:44

Tgt Ion: 85 Resp: 53781

Ion Ratio Lower Upper

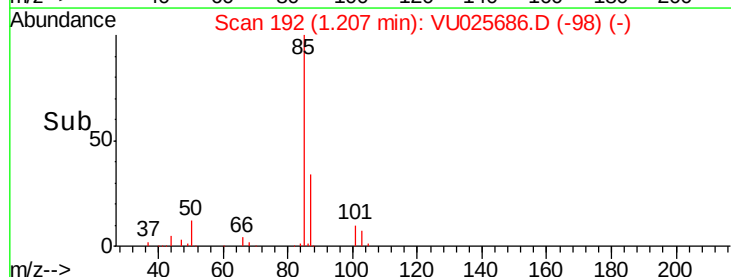
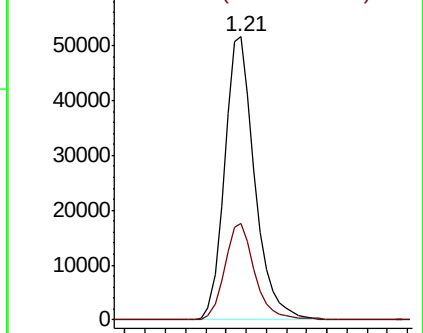
85 100

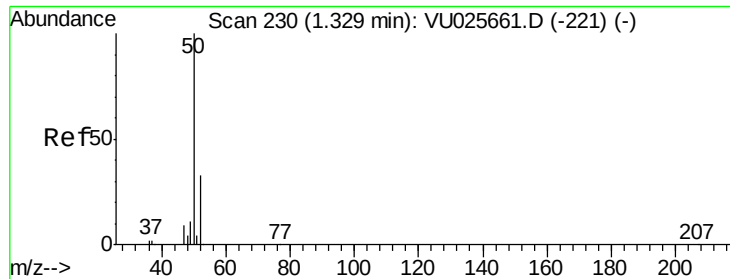
87 34.3 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025686.D (-98) (-)

Ion 86.90 (86.60 to 87.60): VU025686.D (-98) (-)





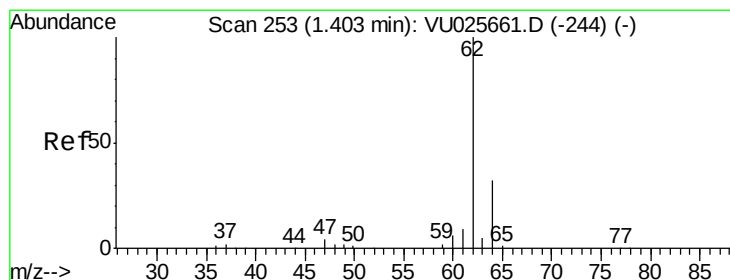
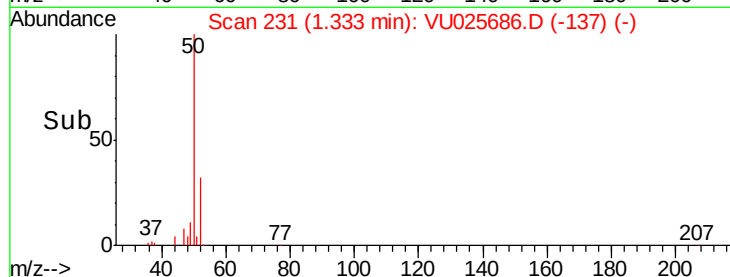
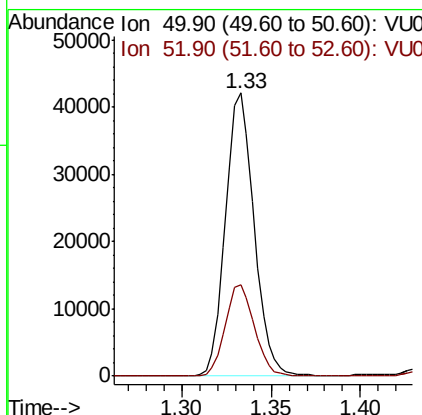
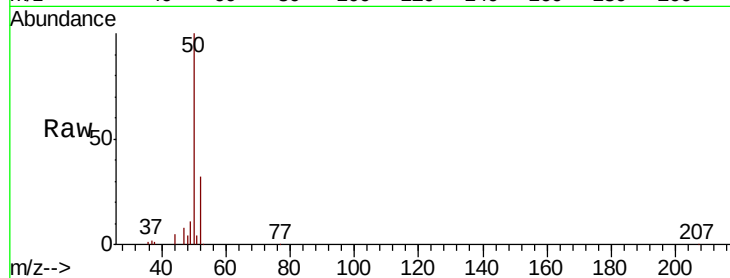
#3
Chloromethane
Concen: 19.41 ug/l
RT: 1.33 min Scan# 231
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion: 50 Resp: 47032
Ion Ratio Lower Upper
50 100
52 32.4 26.5 39.7

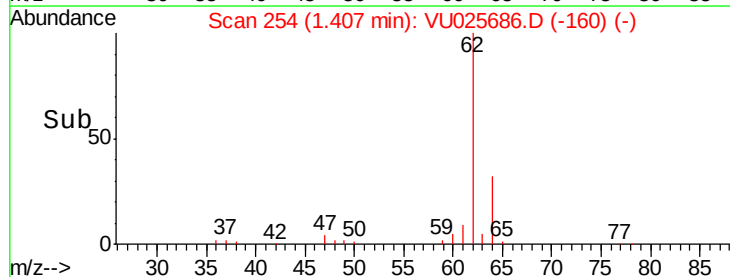
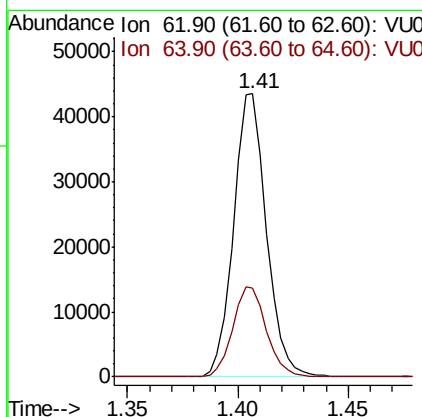
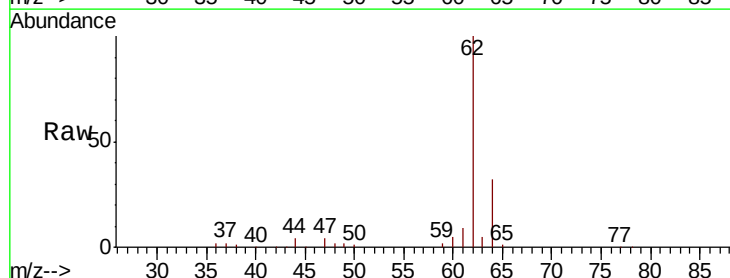
Manual Integrations
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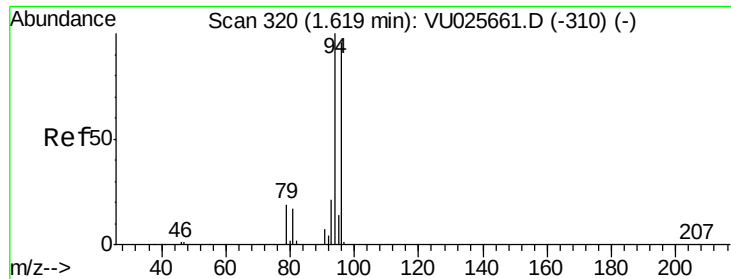
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#4
Vinyl Chloride
Concen: 19.83 ug/l
RT: 1.41 min Scan# 254
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 62 Resp: 45212
Ion Ratio Lower Upper
62 100
64 31.6 25.4 38.0





#5

Bromomethane

Concen: 21.42 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.01 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 94 Resp: 23849

Ion Ratio Lower Upper

94 100

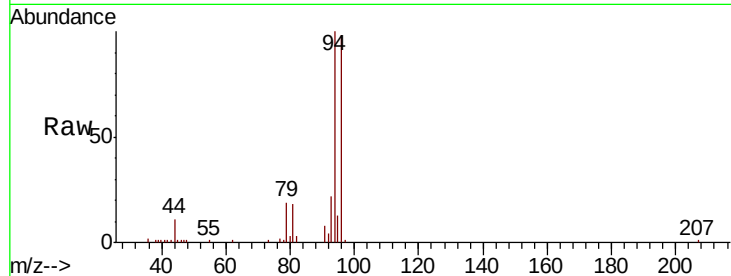
96 97.6 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.63

20000

15000

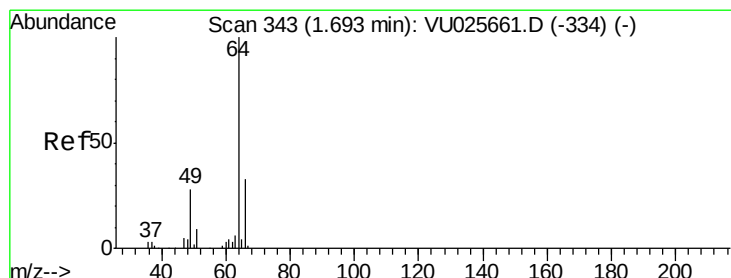
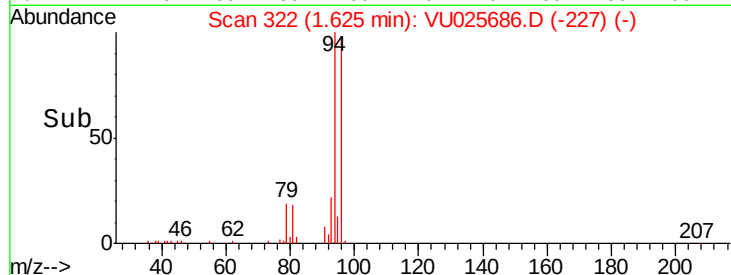
10000

5000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 18.80 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025686.D

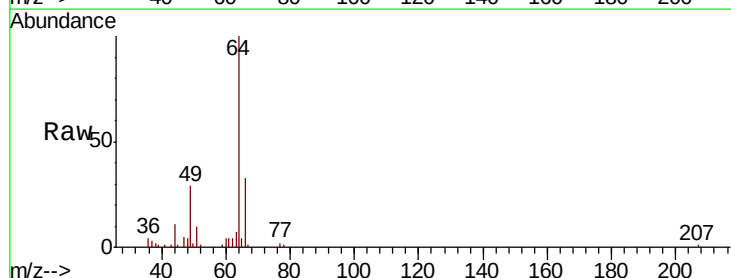
Acq: 27 Jul 2018 22:44

Tgt Ion: 64 Resp: 25067

Ion Ratio Lower Upper

64 100

66 33.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.70

20000

15000

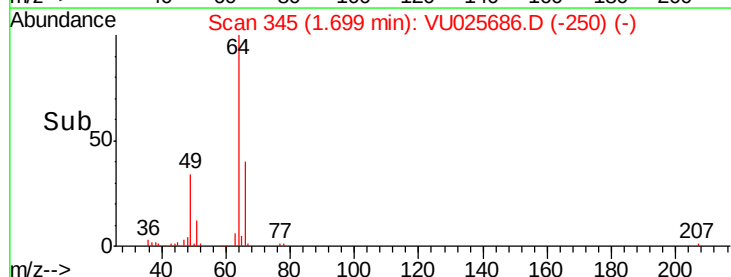
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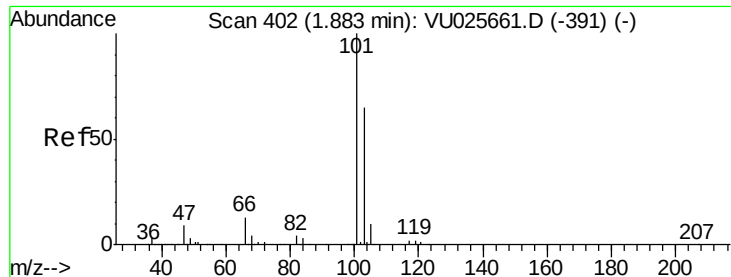
5000

0

1.65 1.70 1.75

Time-->





#7

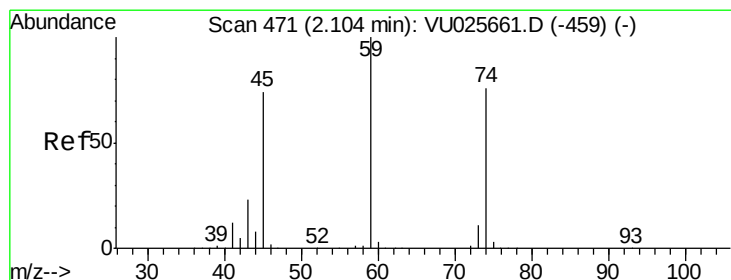
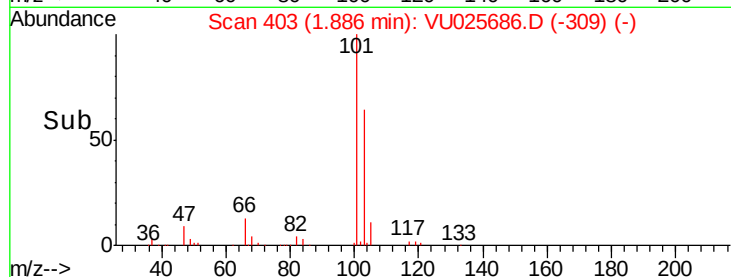
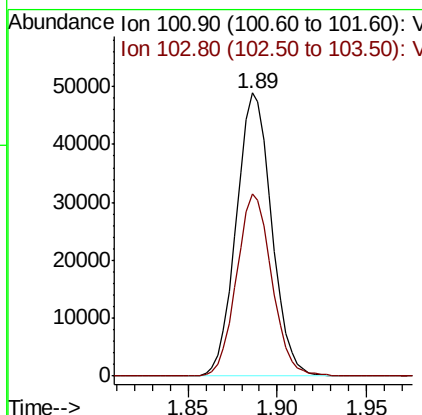
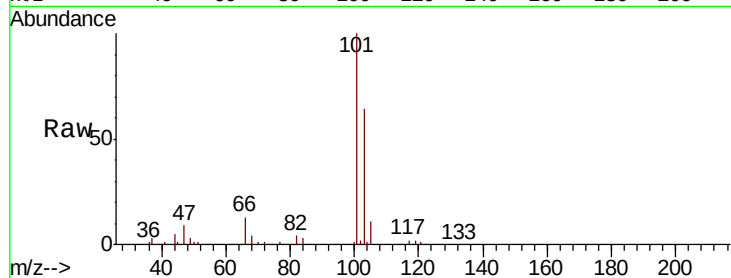
Trichlorofluoromethane
Concen: 20.52 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

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ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.2	78.2

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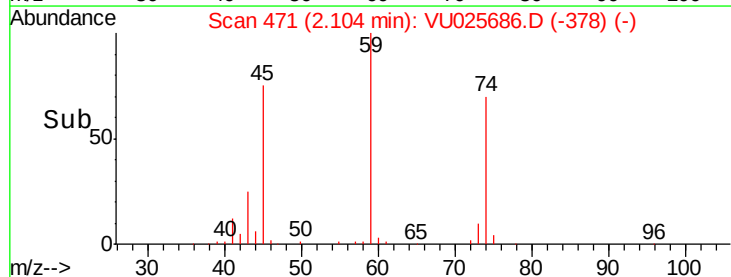
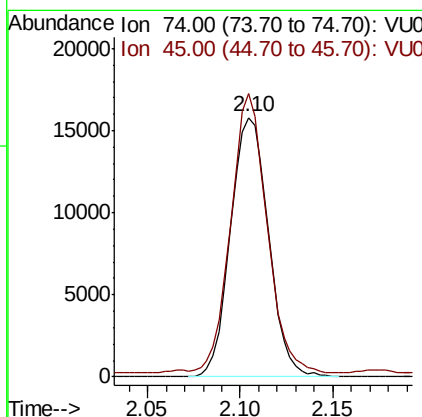
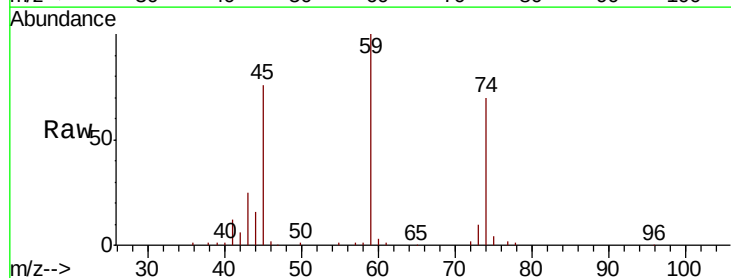
MMDadoda
7/31/2018 3:49:52 PM

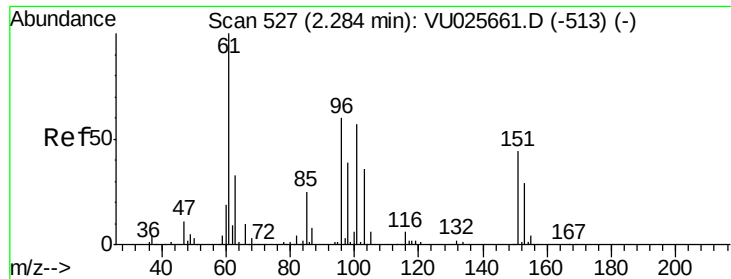


#8

Diethyl Ether
Concen: 18.86 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.89 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

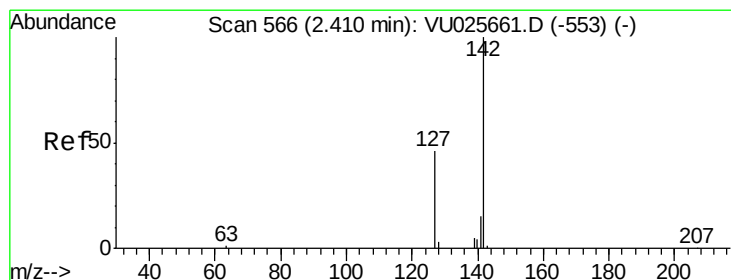
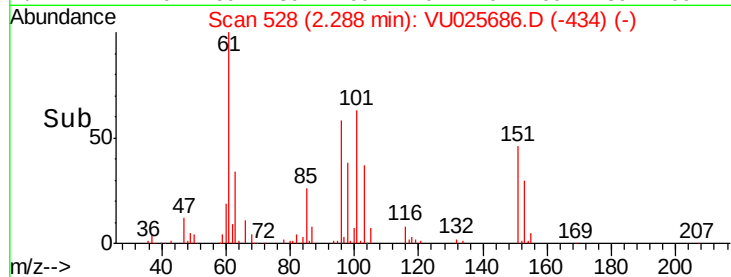
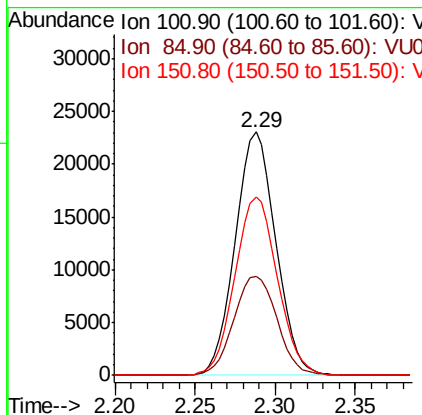
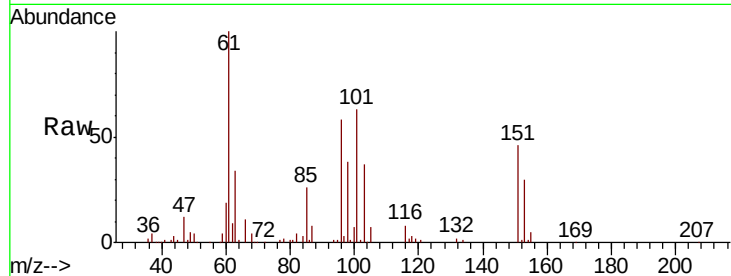
ClientSampleId :

VU0727WBS02

Tot Ion:	101	Resp:	39844
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.0	54.0
151	76.7	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.51 ug/l

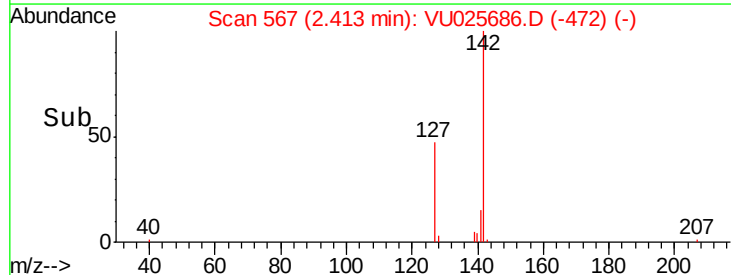
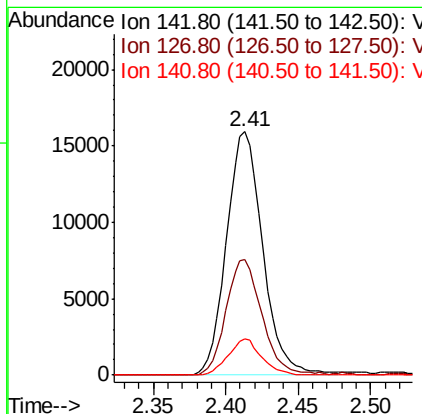
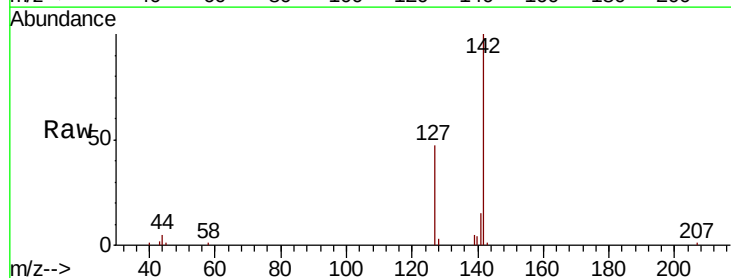
RT: 2.41 min Scan# 567

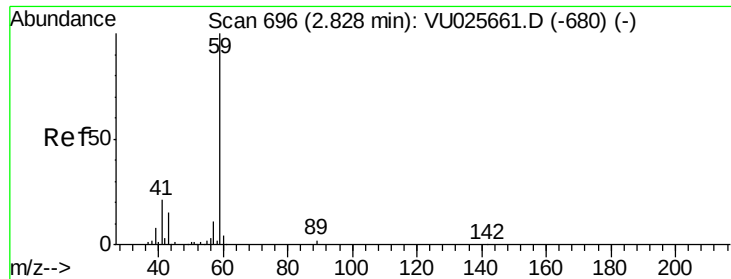
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	142	Resp:	27756
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.5	54.7
141	13.5	11.4	17.2





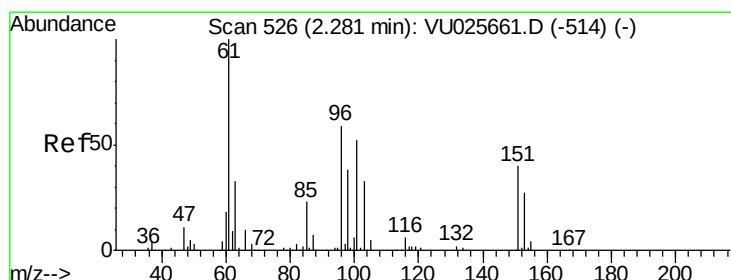
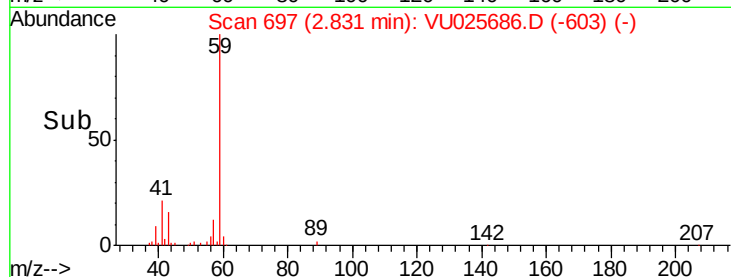
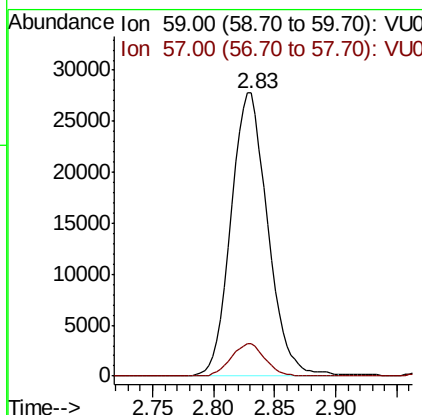
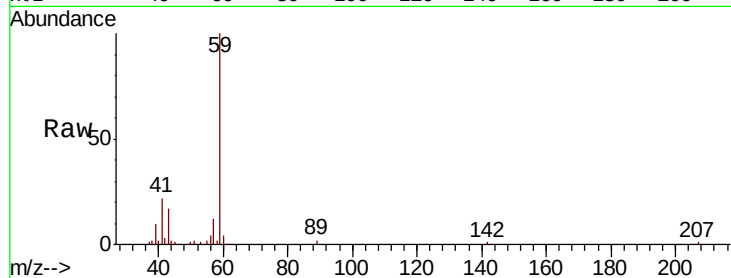
#11
Tert butyl alcohol
Concen: 101.85 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion: 59 Resp: 58266
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2

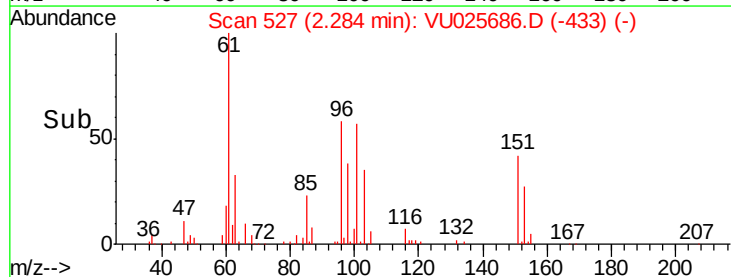
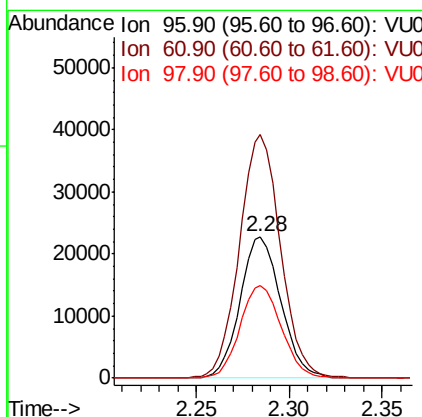
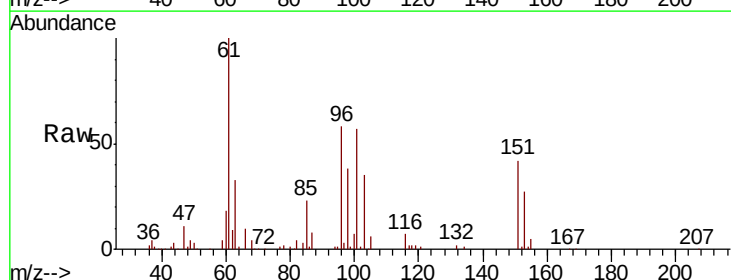
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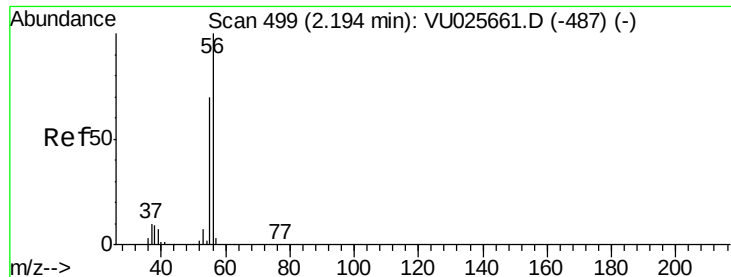
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#12
1,1-Dichloroethene
Concen: 19.33 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion: 96 Resp: 34805
Ion Ratio Lower Upper
96 100
61 171.9 140.2 210.4
98 65.5 49.3 73.9





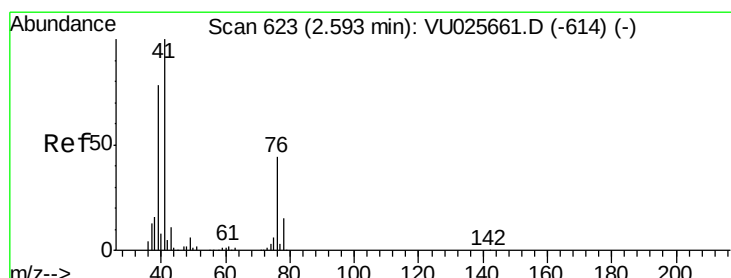
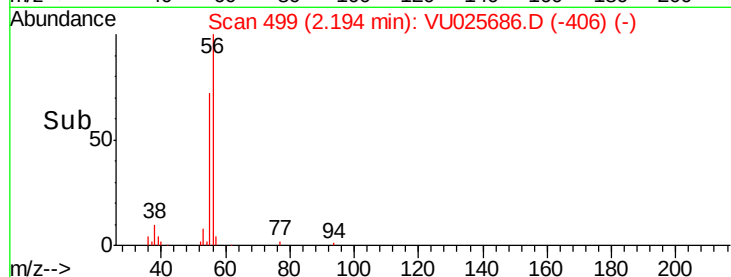
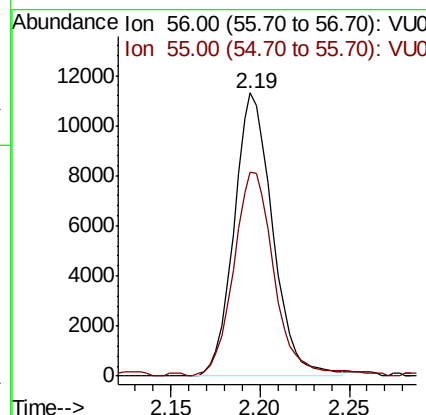
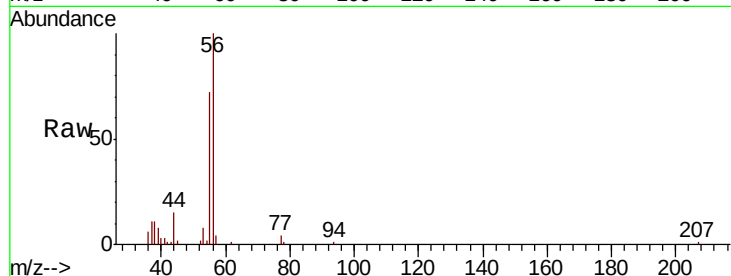
#13
 Acrolein
 Concen: 80.80 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	56	Resp	17025
Ion Ratio	100	Lower	Upper
56	100		
55	76.6	57.2	85.8

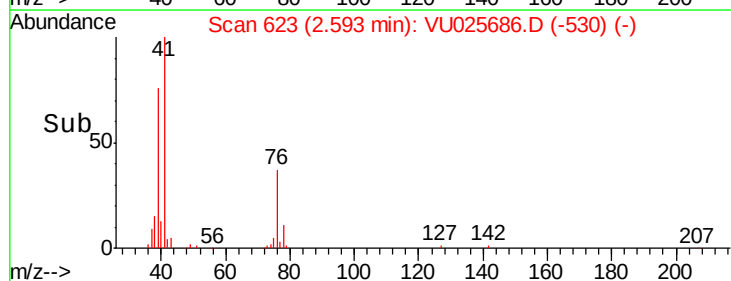
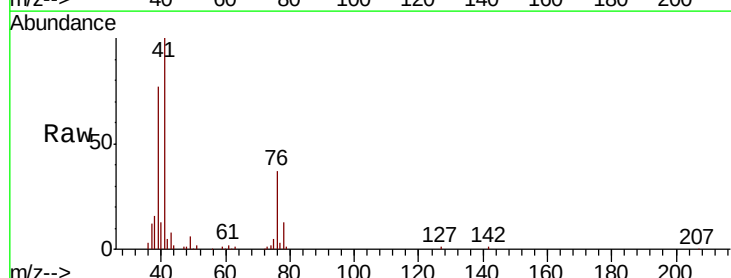
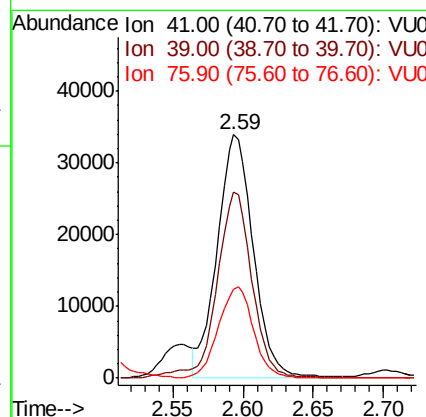
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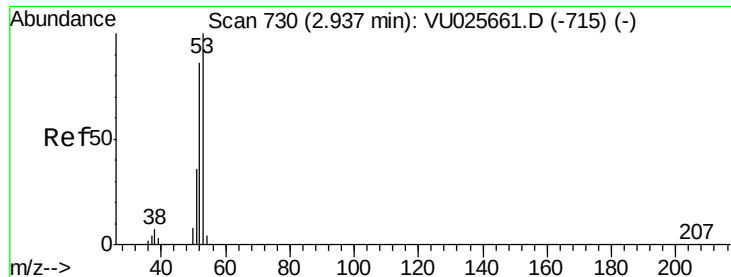
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#14
 Allyl chloride
 Concen: 18.73 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	41	Resp	60608
Ion Ratio	100	Lower	Upper
41	100		
39	74.2	60.6	91.0
76	36.2	30.5	45.7





#15

Acrylonitrile

Concen: 102.29 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

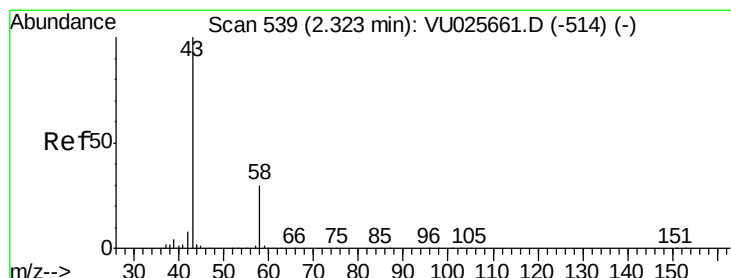
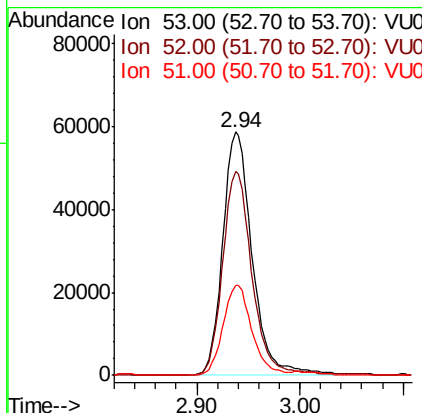
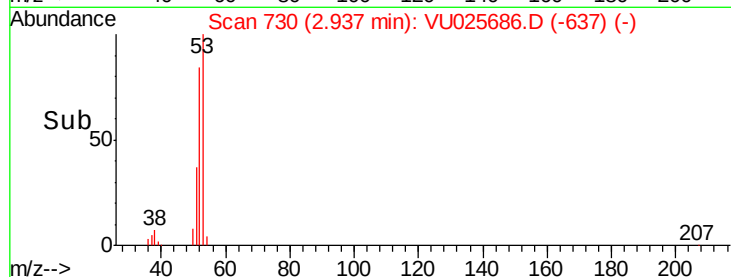
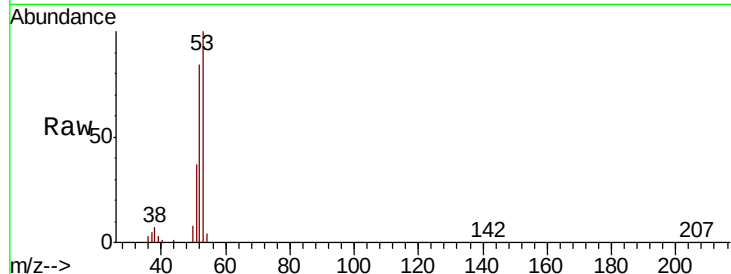
ClientSampleId :

VU0727WBS02

Tot Ion:	53	Resp:	116833
Ion Ratio		Lower	Upper
53	100		
52	83.8	66.6	99.8
51	36.2	29.4	44.2

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#16

Acetone

Concen: 86.36 ug/l

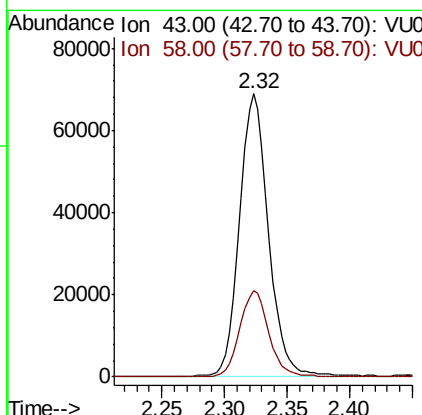
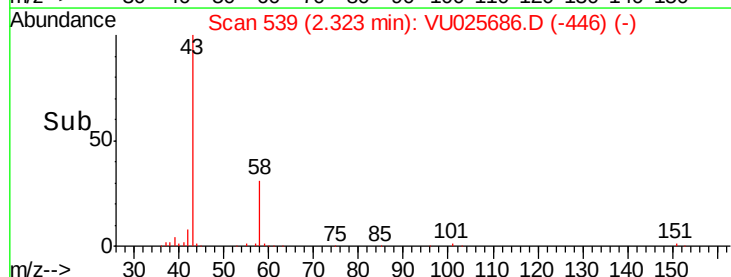
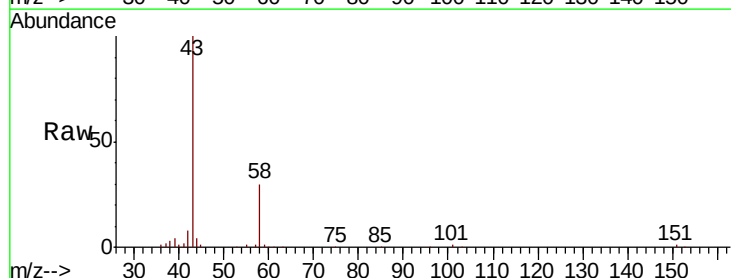
RT: 2.32 min Scan# 539

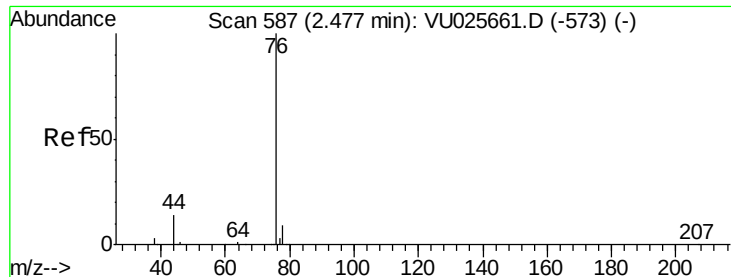
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	43	Resp:	110016
Ion Ratio		Lower	Upper
43	100		
58	30.5	23.1	34.7





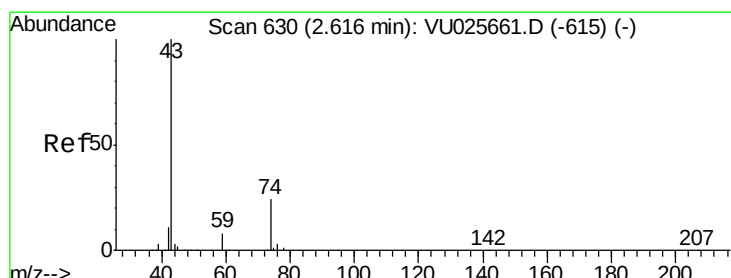
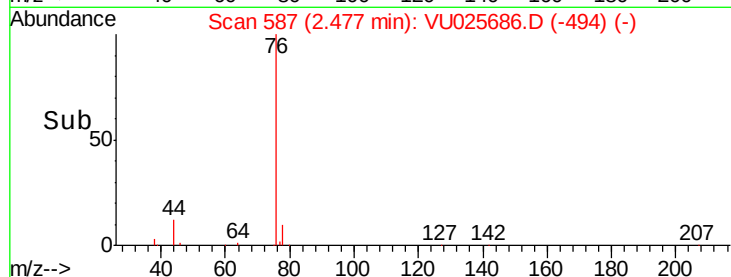
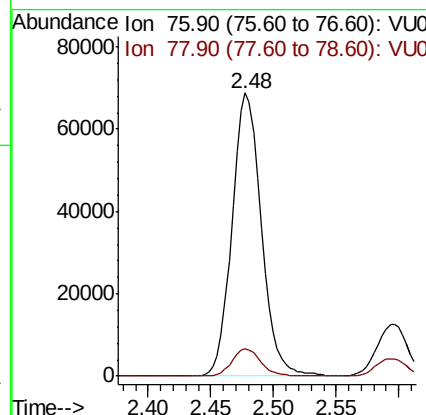
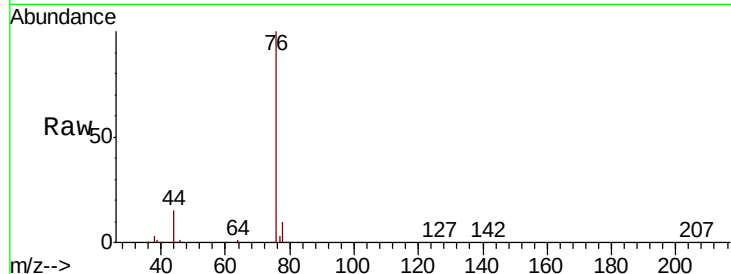
#17
Carbon Disulfide
Concen: 19.18 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.2

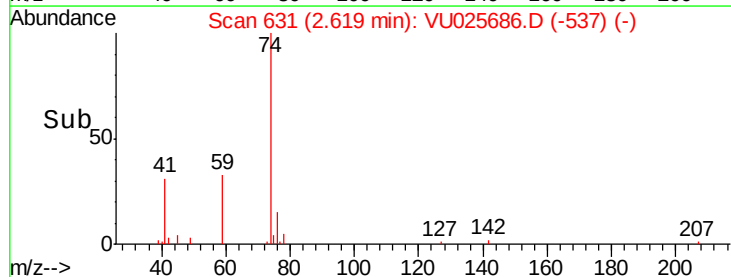
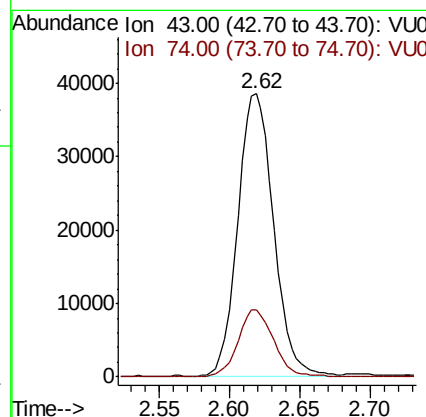
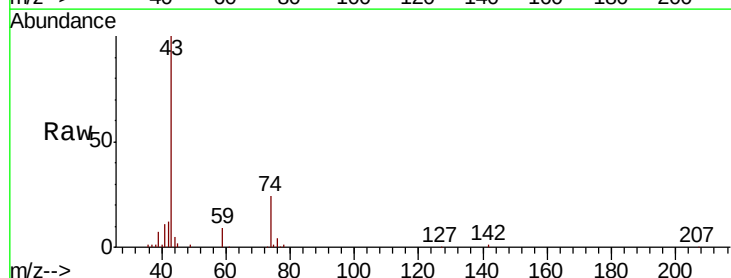
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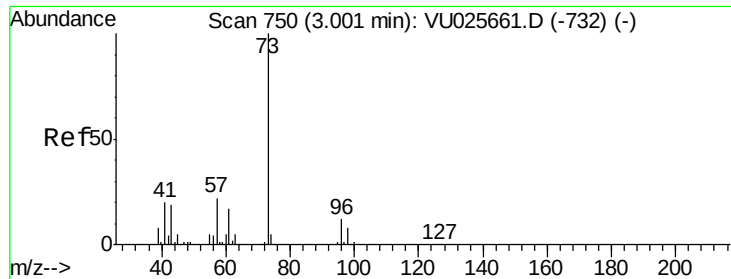
MMDadoda
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#18
Methyl Acetate
Concen: 22.53 ug/l
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.5	27.7





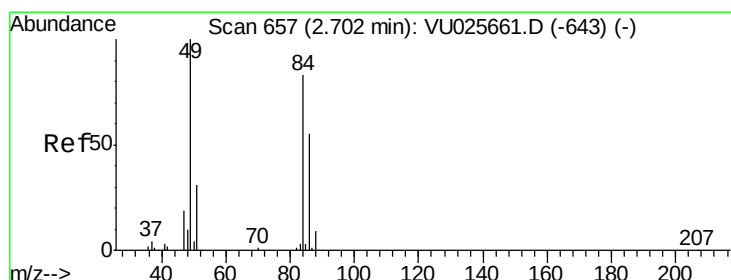
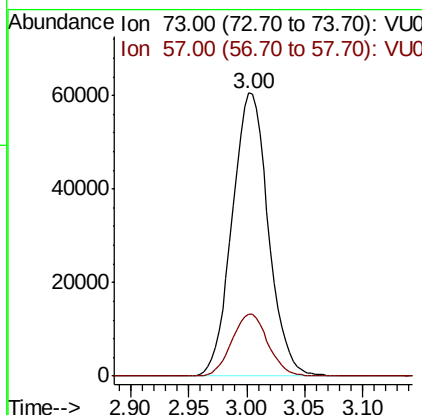
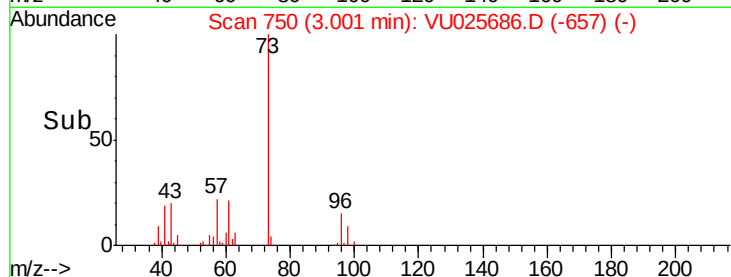
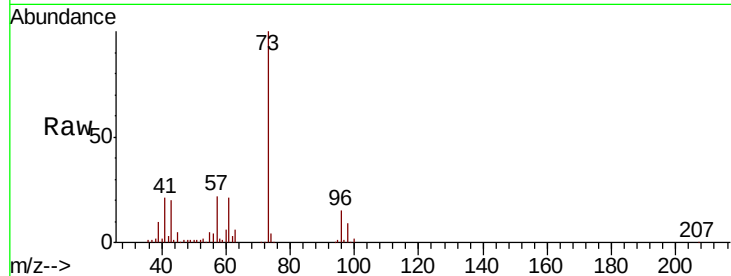
#19
Methyl tert-butyl Ether
Concen: 20.10 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2

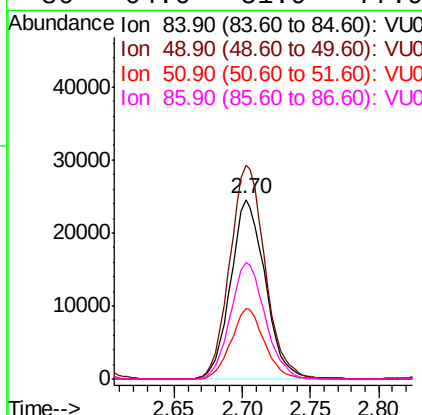
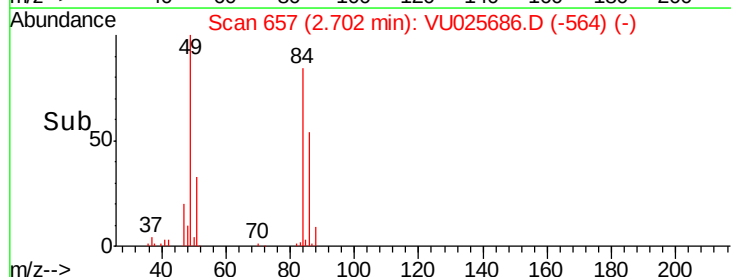
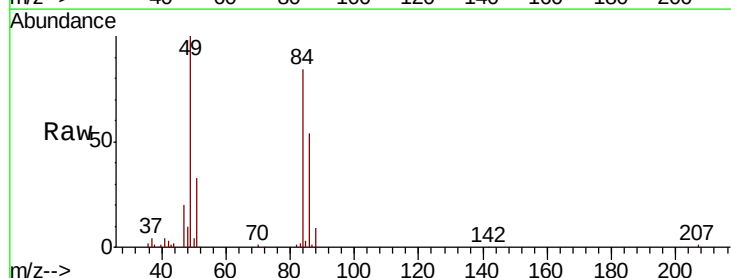
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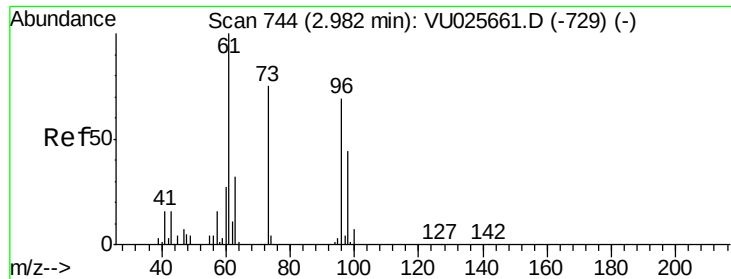
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#20
Methylene Chloride
Concen: 19.15 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.0	101.8	152.6
51	39.0	30.8	46.2
86	64.6	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 20.00 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

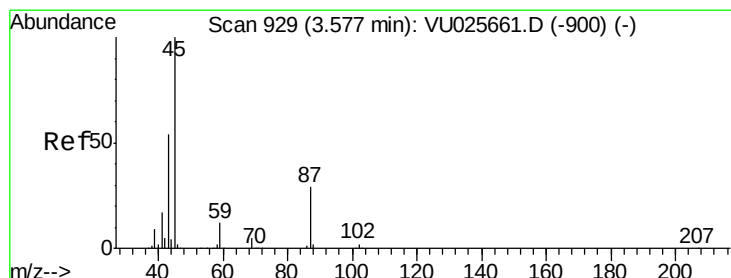
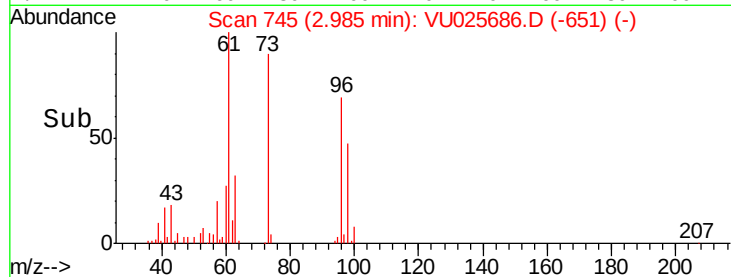
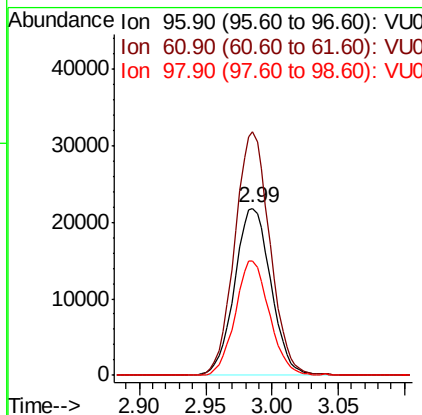
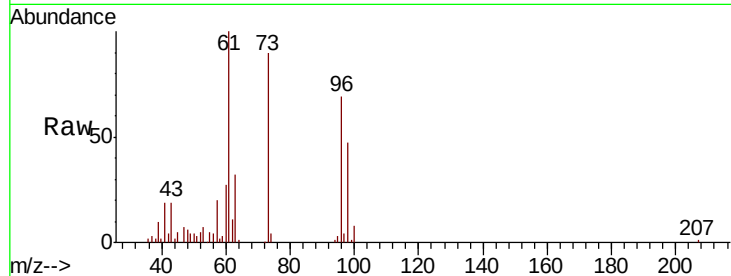
ClientSampleId :

VU0727WBS02

Tot Ion:	96	Resp:	41630
Ion	Ratio	Lower	Upper
96	100		
61	145.5	114.5	171.7
98	68.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 20.47 ug/l

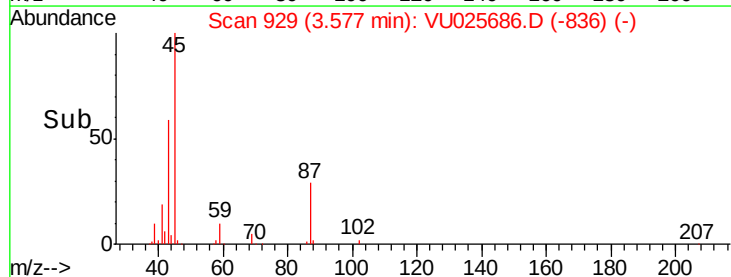
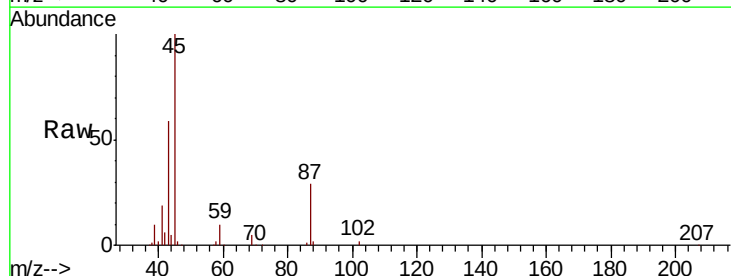
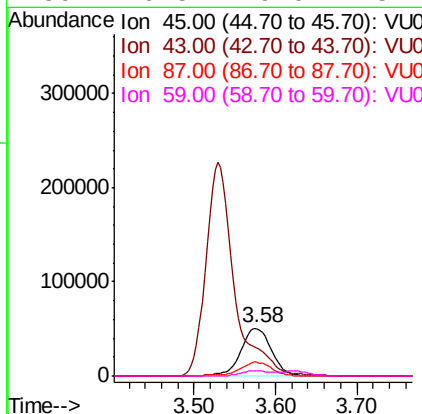
RT: 3.58 min Scan# 929

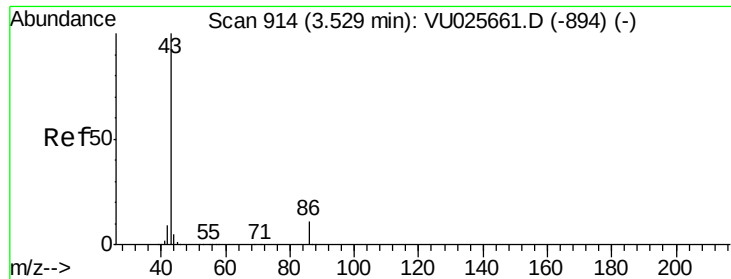
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	45	Resp:	130528
Ion	Ratio	Lower	Upper
45	100		
43	57.7	50.9	76.3
87	28.7	23.8	35.8
59	10.5	9.0	13.4





#23

Vinyl Acetate

Concen: 99.29 ug/l

RT: 3.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 43 Resp: 551746

Ion Ratio Lower Upper

43 100

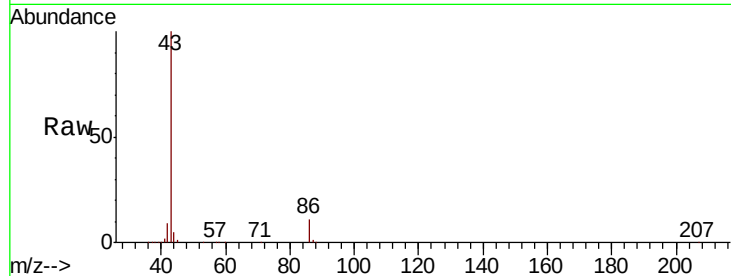
86 10.6 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

250000

200000

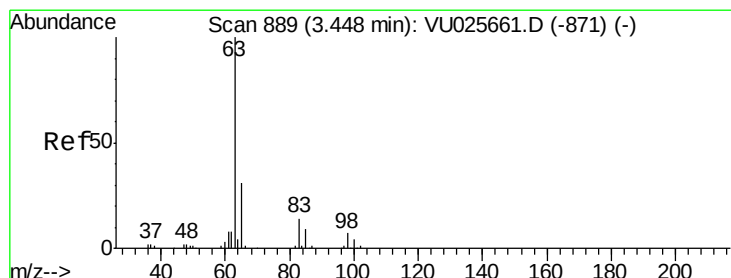
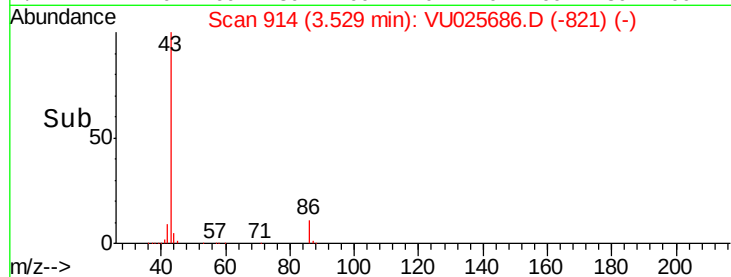
150000

100000

50000

0

Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.12 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

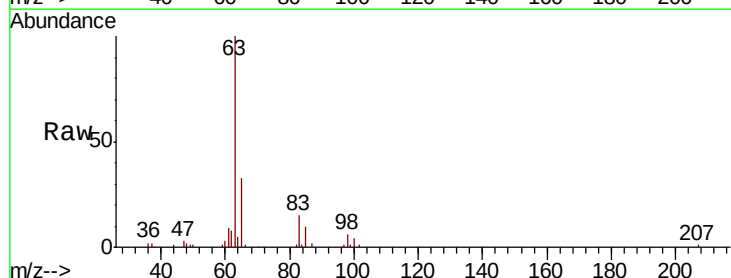
Tgt Ion: 63 Resp: 76996

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

40000

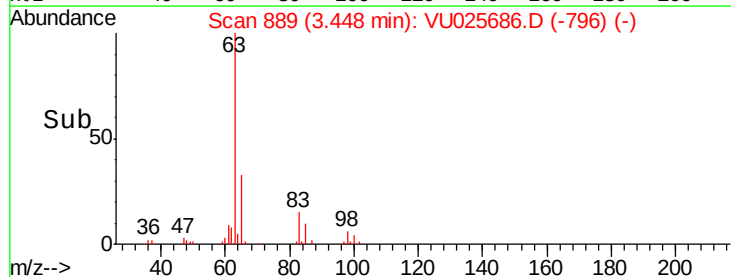
30000

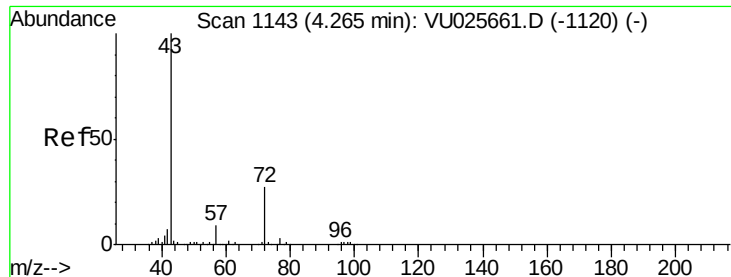
20000

10000

0

Time--> 3.35 3.40 3.45 3.50 3.55





#25

2-Butanone

Concen: 101.10 ug/l

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 43 Resp: 175323

Ion Ratio Lower Upper

43 100

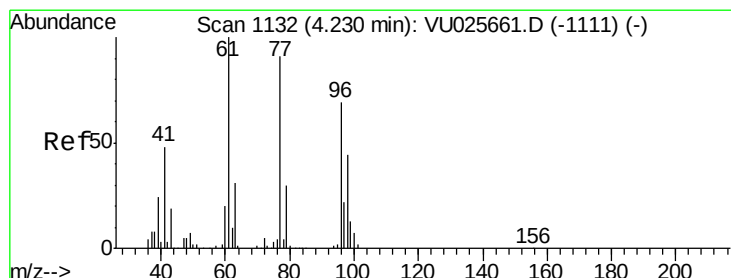
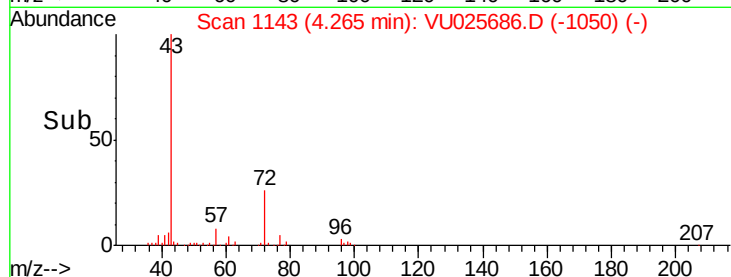
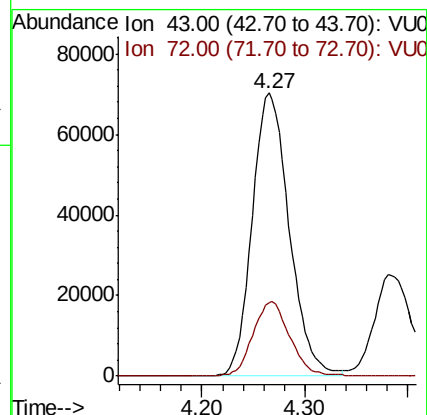
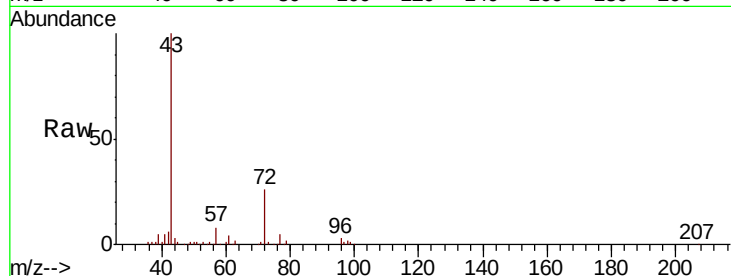
72 26.1 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.09 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025686.D

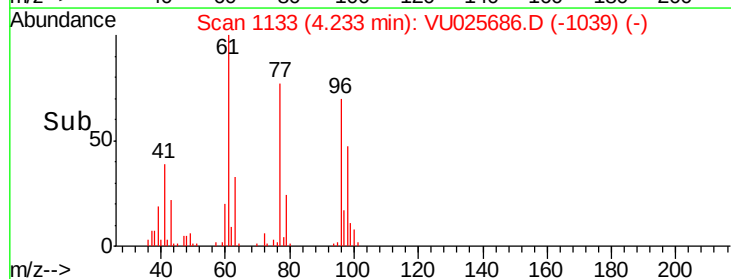
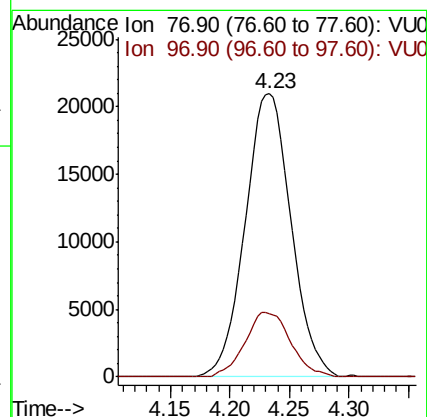
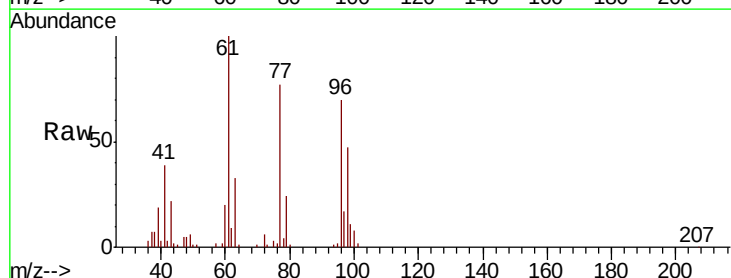
Acq: 27 Jul 2018 22:44

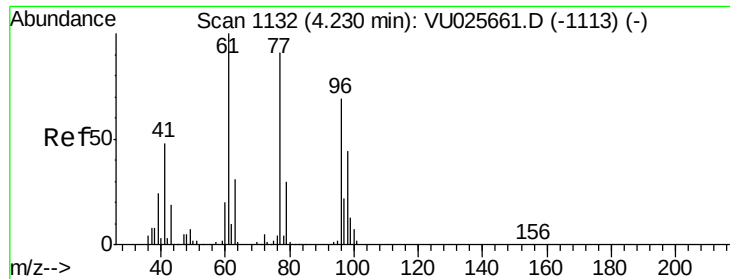
Tgt Ion: 77 Resp: 55966

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 19.62 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

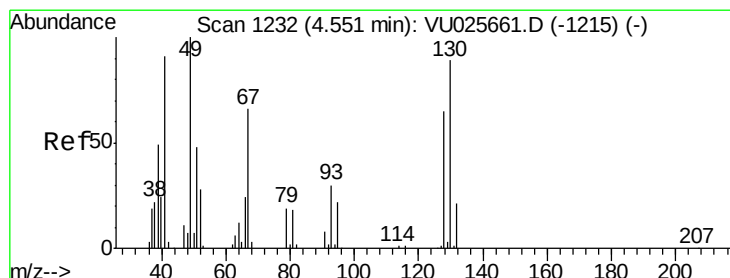
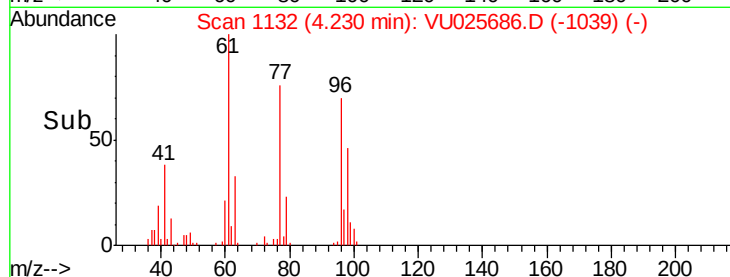
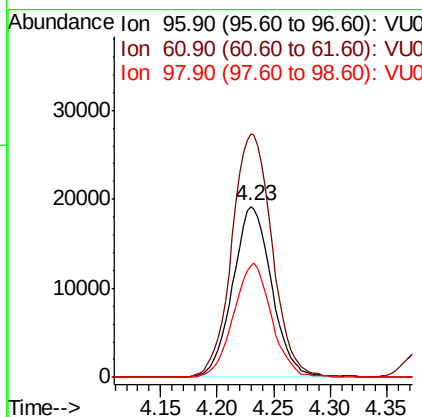
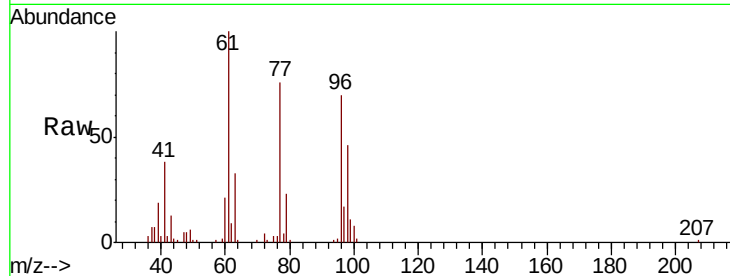
ClientSampleId :

VU0727WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.6	0.0	299.8
98	64.8	0.0	128.6

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#28

Bromochloromethane

Concen: 20.37 ug/l

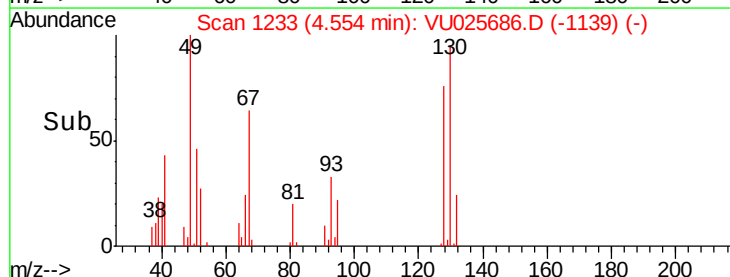
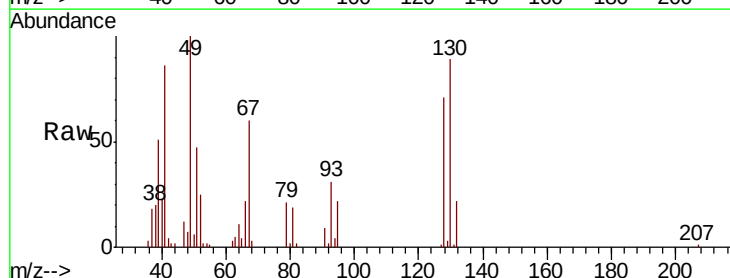
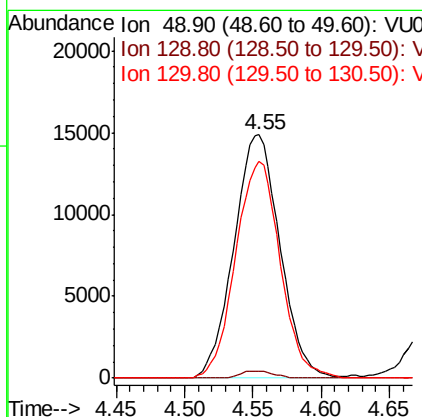
RT: 4.55 min Scan# 1233

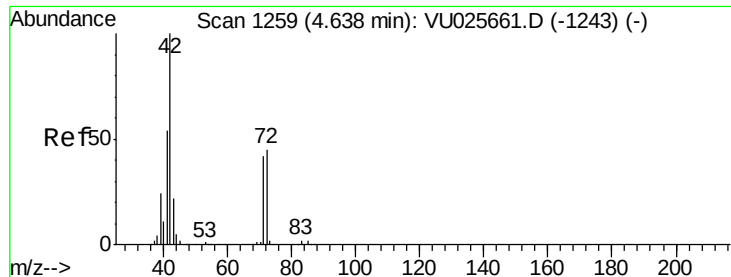
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	86.2	68.6	102.8





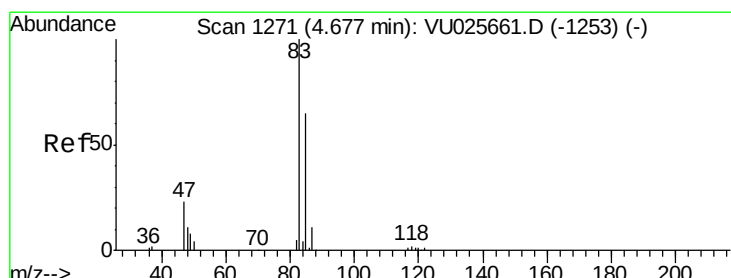
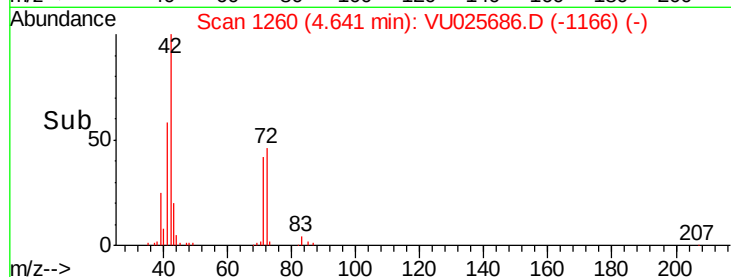
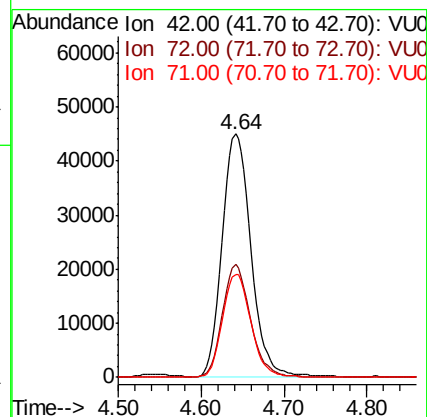
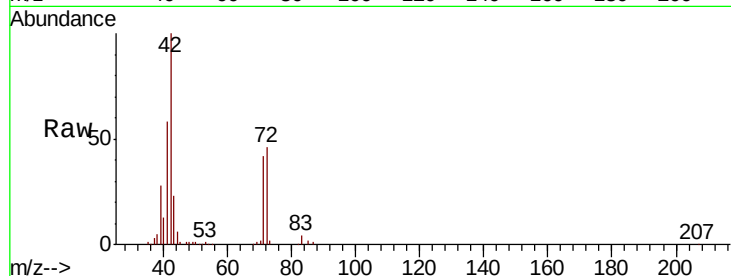
#29
Tetrahydrofuran
Concen: 104.47 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	36.7	55.1
71	42.0	33.9	50.9

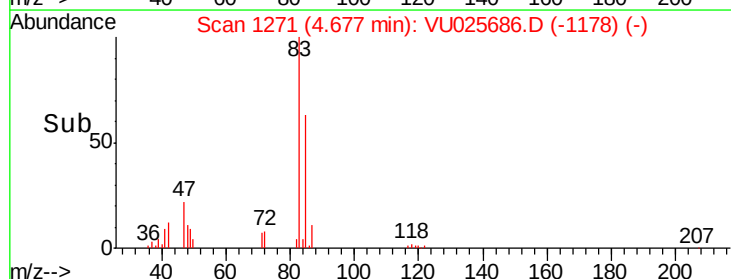
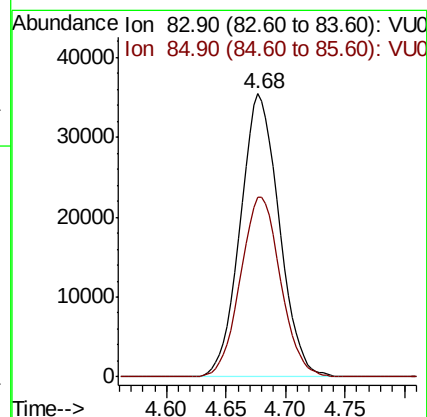
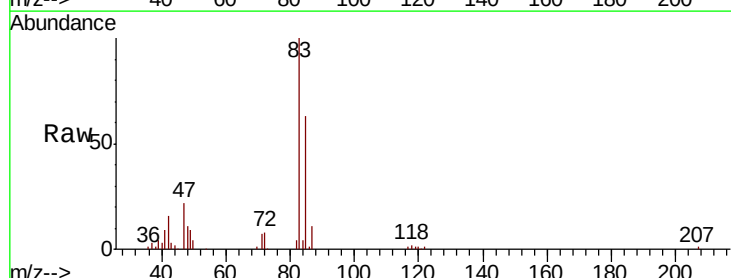
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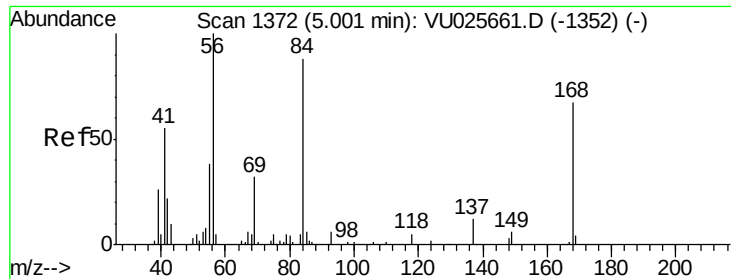
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#30
Chloroform
Concen: 19.87 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





#31

Cyclohexane

Concen: 19.74 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

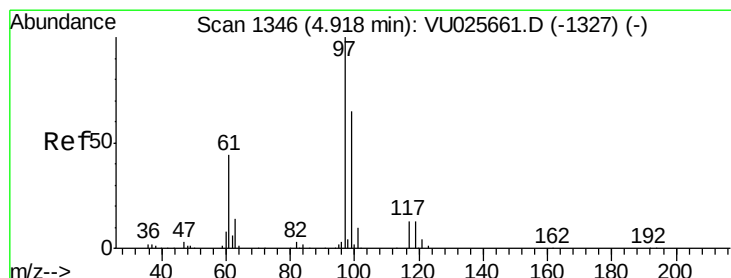
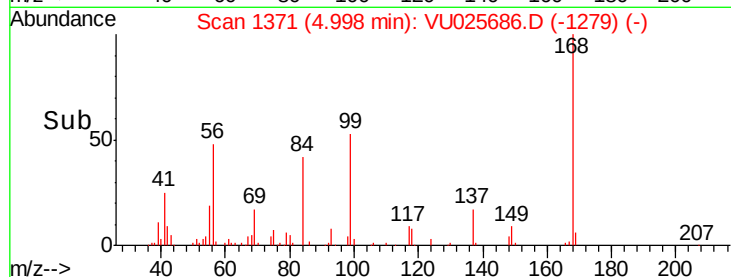
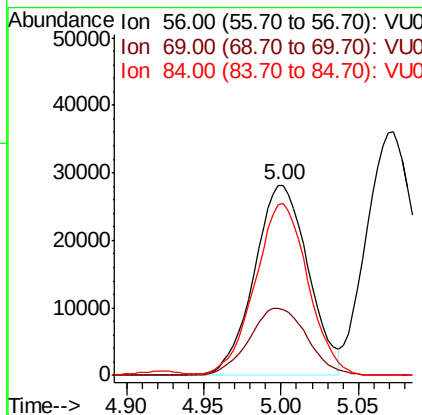
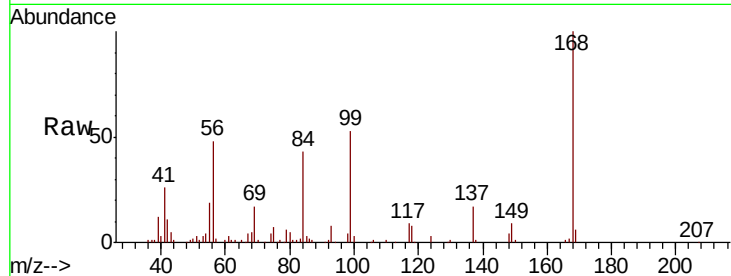
ClientSampleId :

VU0727WBS02

Tot Ion:	56	Resp:	68455
Ion Ratio	Lower	Upper	
56	100		
69	35.1	26.8	40.2
84	88.6	69.7	104.5

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#32

1,1,1-Trichloroethane

Concen: 20.17 ug/l

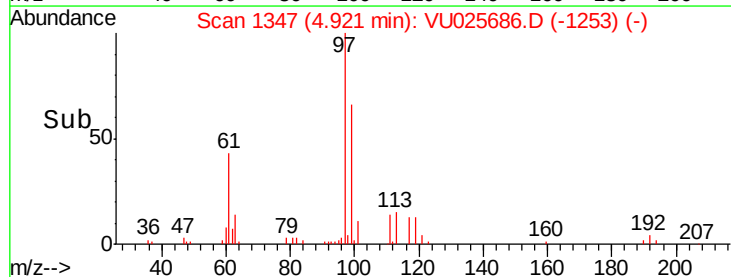
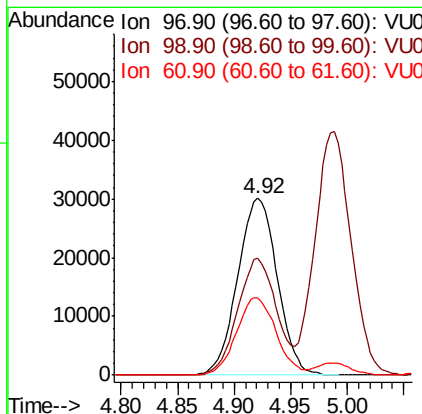
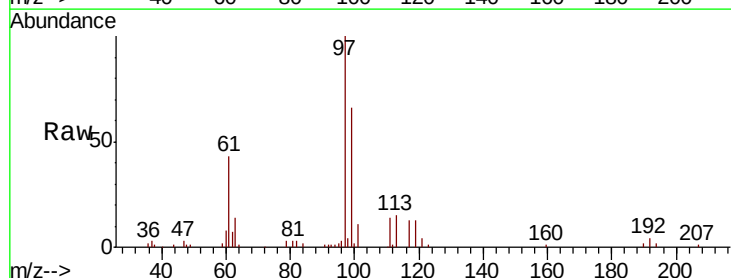
RT: 4.92 min Scan# 1347

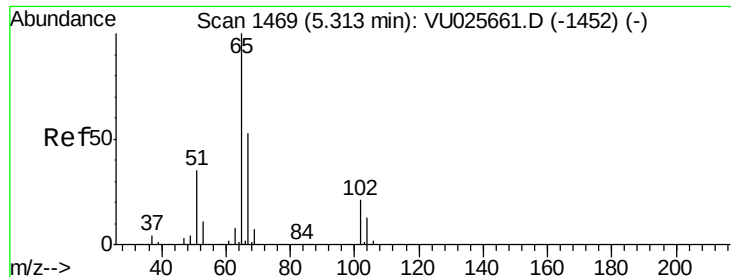
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	97	Resp:	73381
Ion Ratio	Lower	Upper	
97	100		
99	65.0	50.8	76.2
61	43.6	35.2	52.8





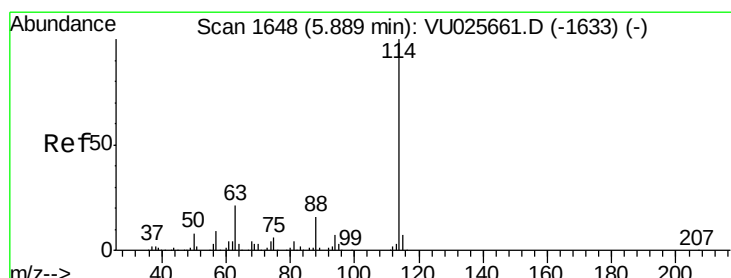
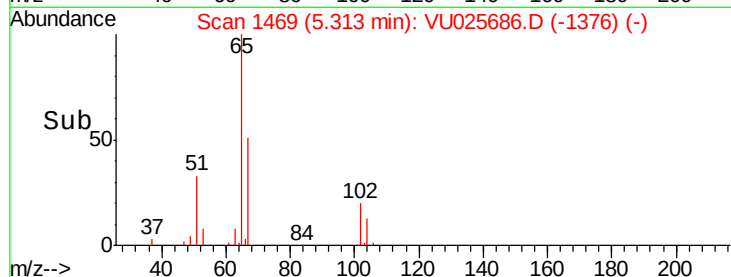
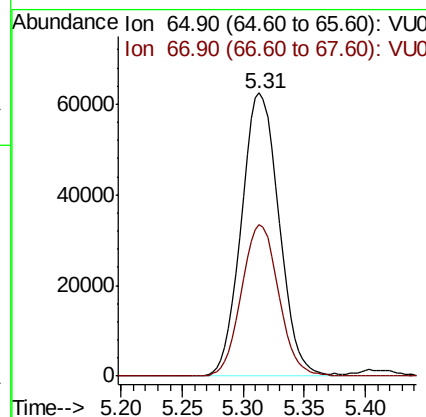
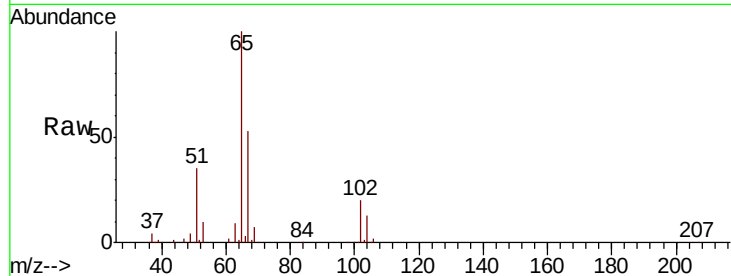
#33
 1,2-Dichloroethane-d4
 Concen: 51.16 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.6

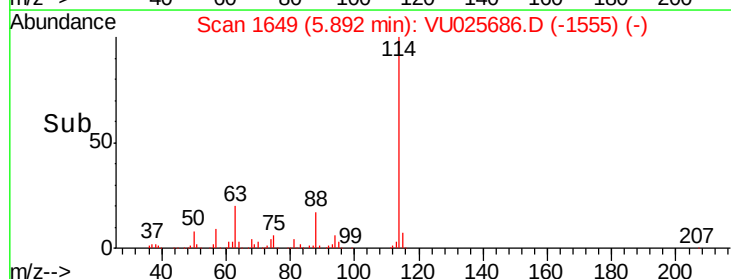
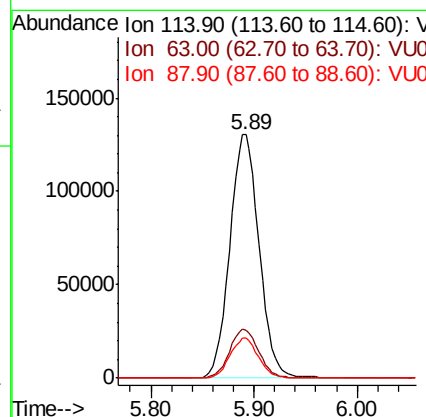
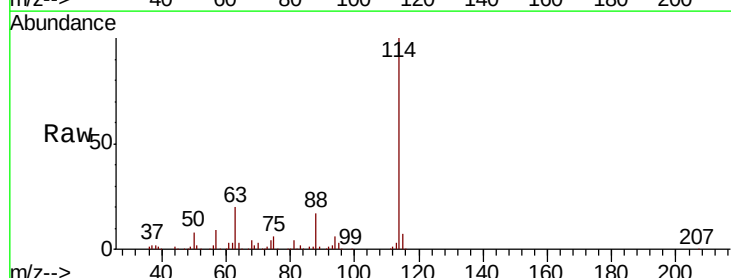
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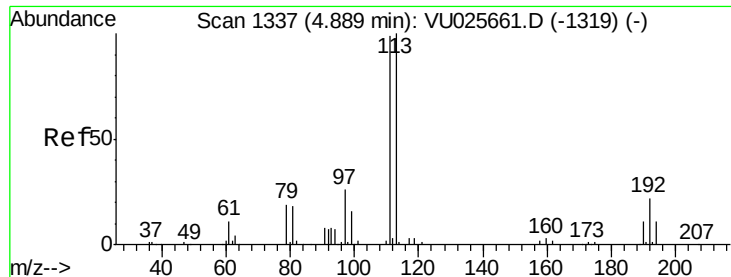
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.6
88	16.5	0.0	32.4





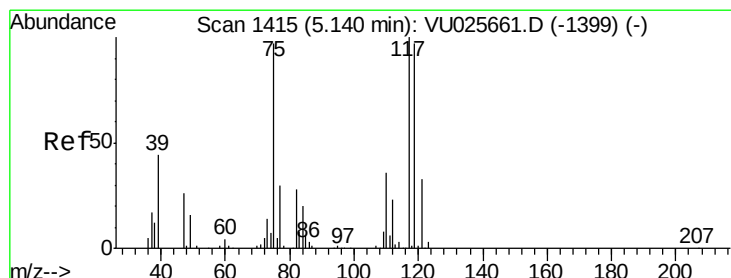
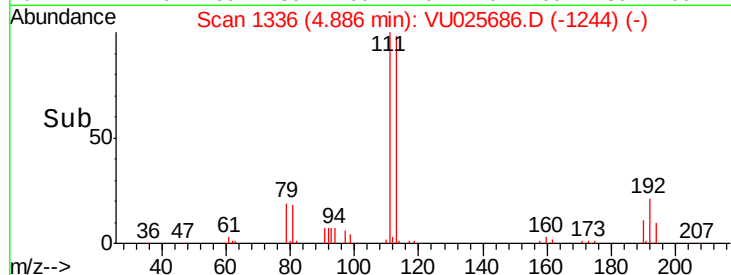
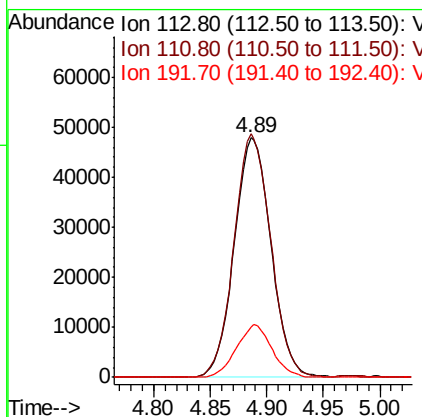
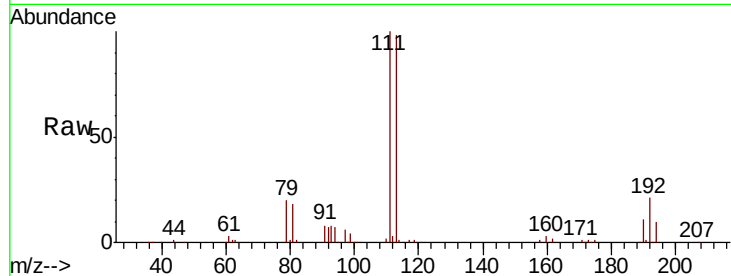
#35
 Dibromofluoromethane
 Concen: 48.43 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.2	81.7	122.5	
192	21.1	17.1	25.7	

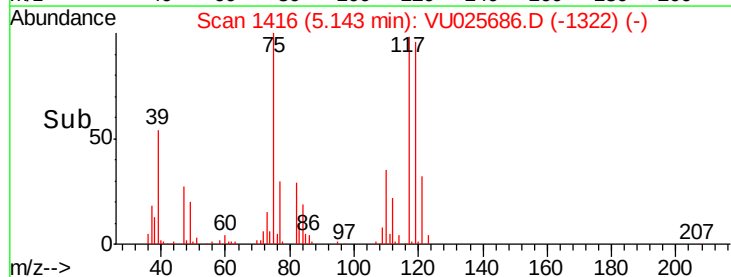
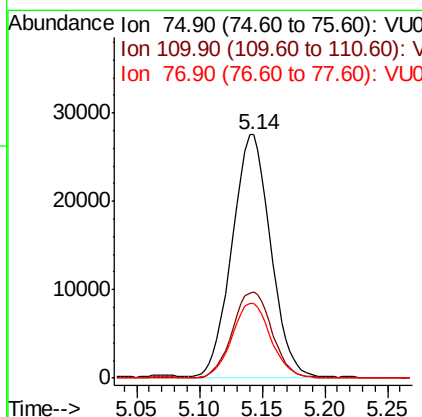
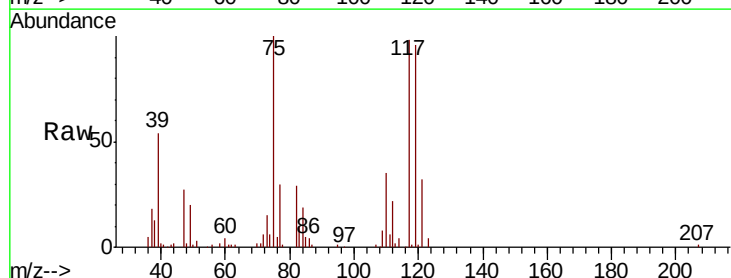
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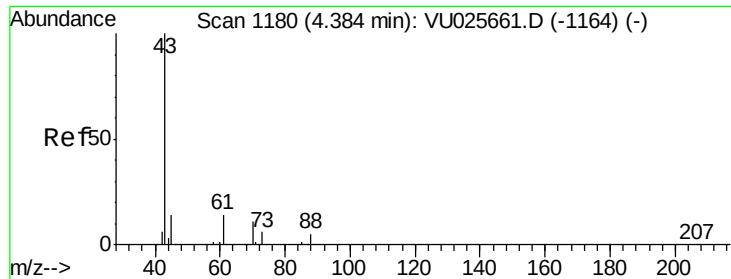
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#36
 1,1-Dichloropropene
 Concen: 19.47 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	17.6	52.9	
77	31.0	24.4	36.6	





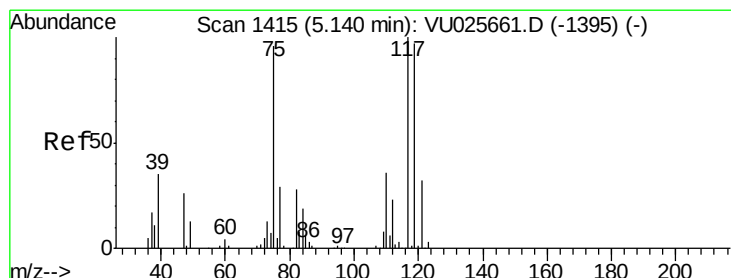
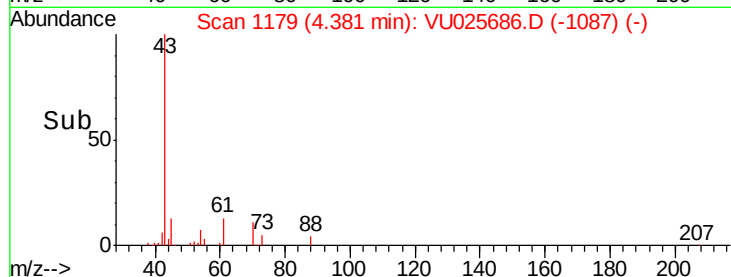
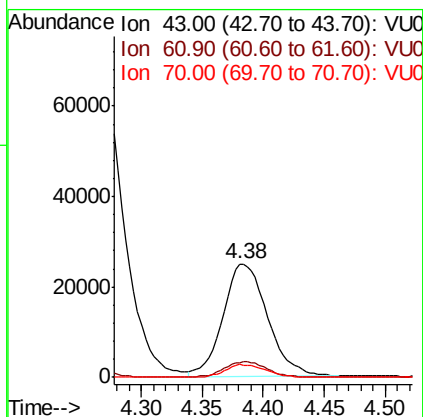
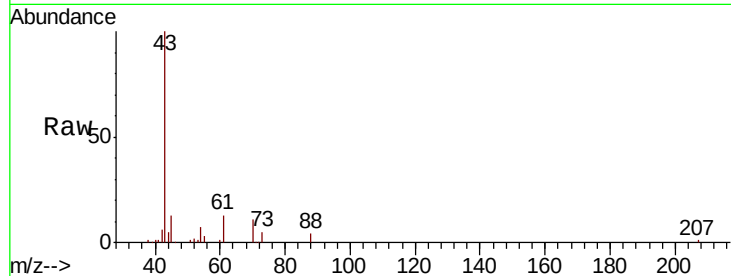
#37
Ethyl Acetate
Concen: 20.05 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	10.5	8.4	12.6

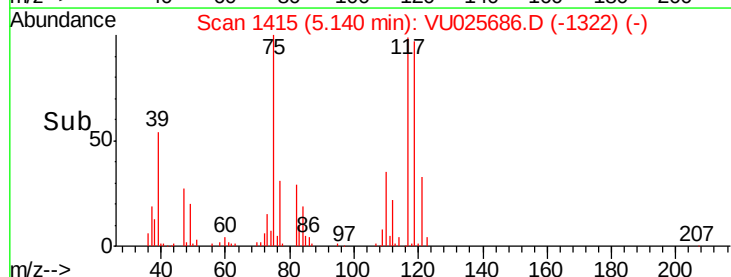
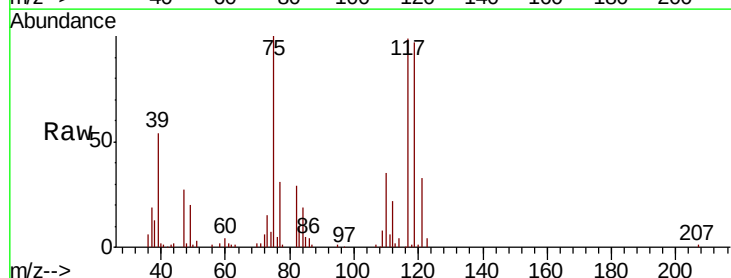
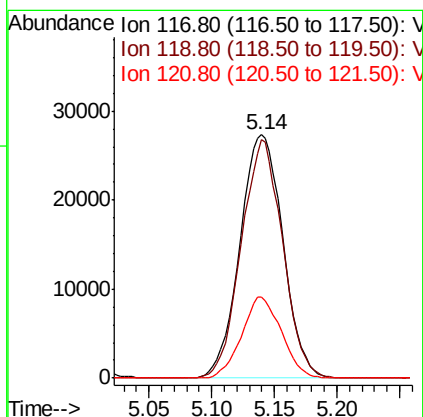
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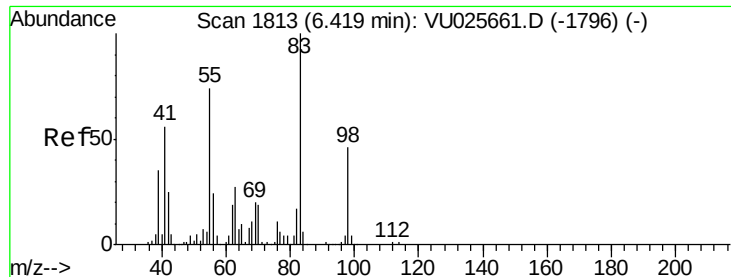
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#38
Carbon Tetrachloride
Concen: 19.07 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.7	113.5
121	33.4	24.6	36.8





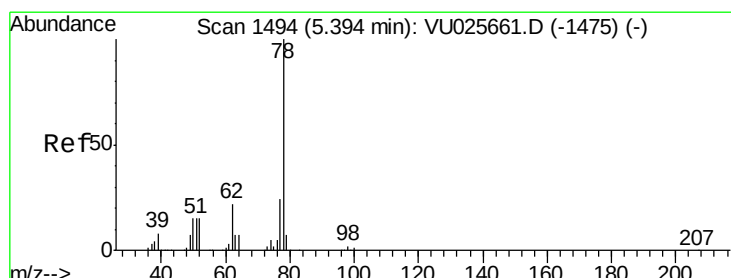
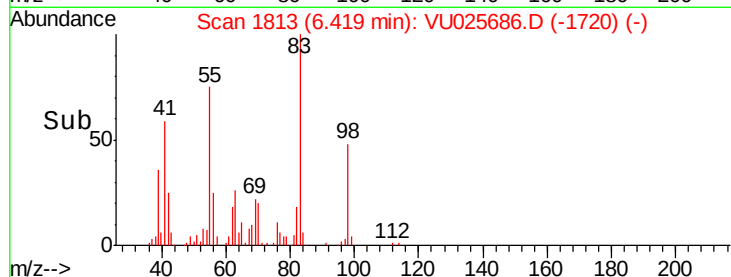
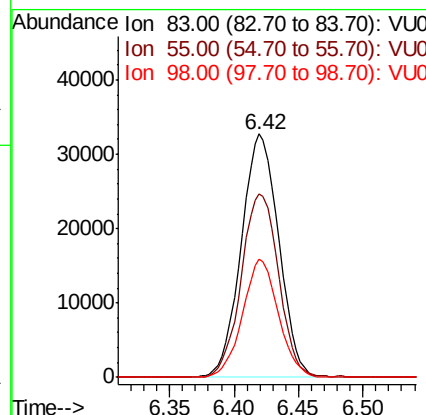
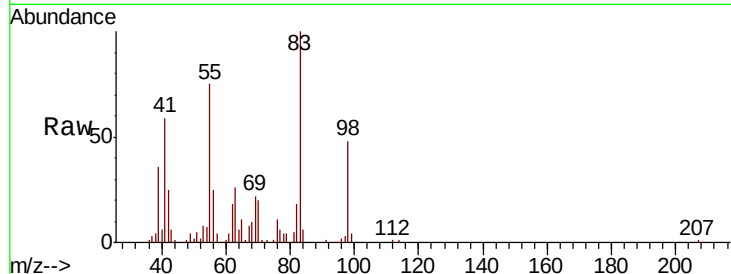
#39
Methylvlcyclohexane
Concen: 19.25 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.0	90.0
98	48.3	36.1	54.1

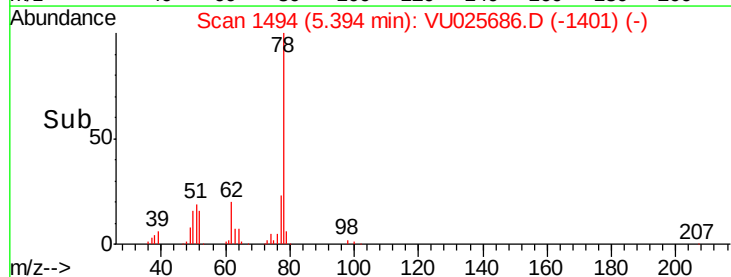
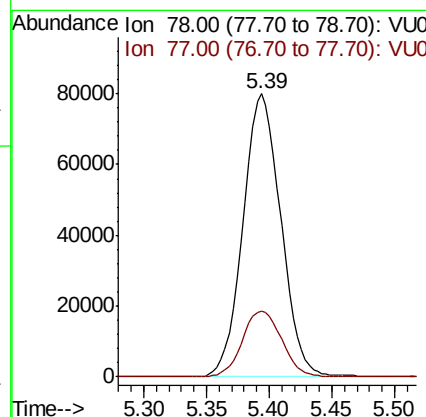
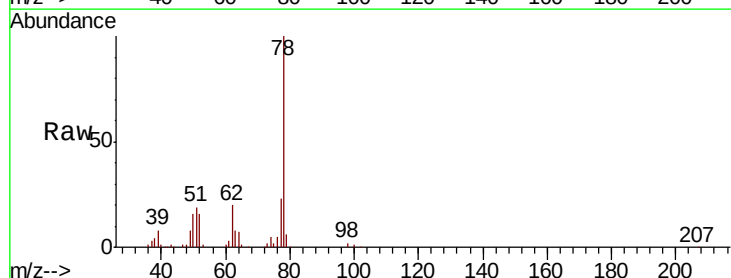
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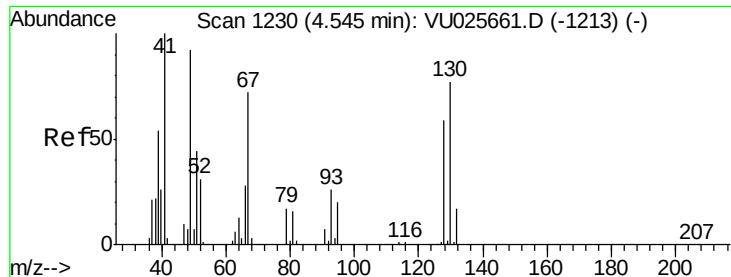
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#40
Benzene
Concen: 19.01 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.8	29.6





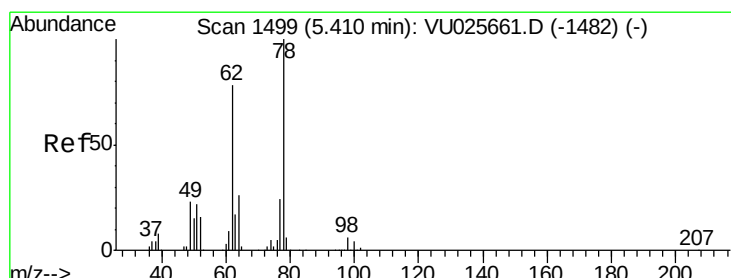
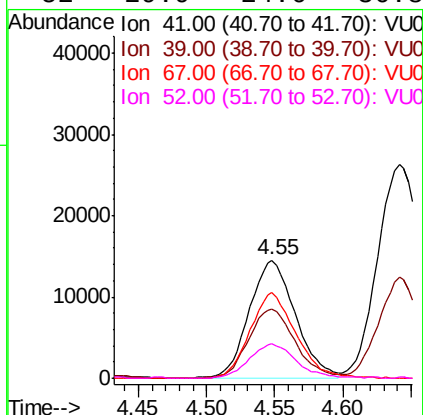
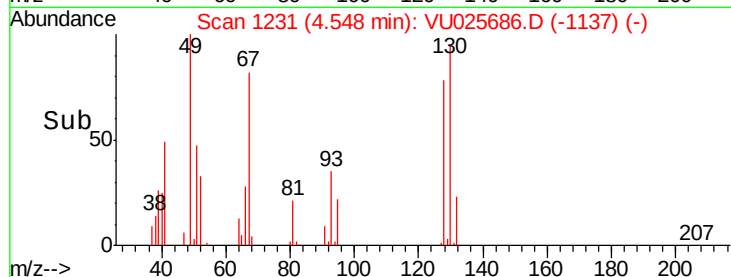
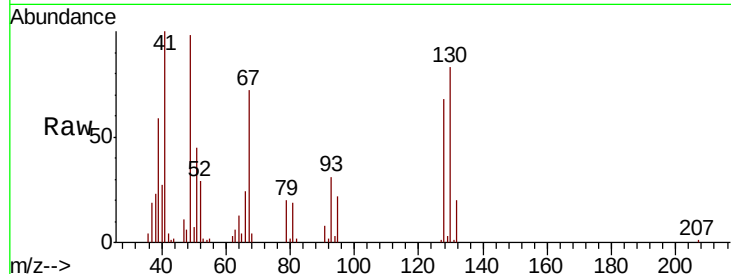
#41
Methacrylonitrile
Concen: 19.73 ug/l
RT: 4.55 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.0	44.4	66.6	
67	71.5	56.0	84.0	
52	29.9	24.6	36.8	

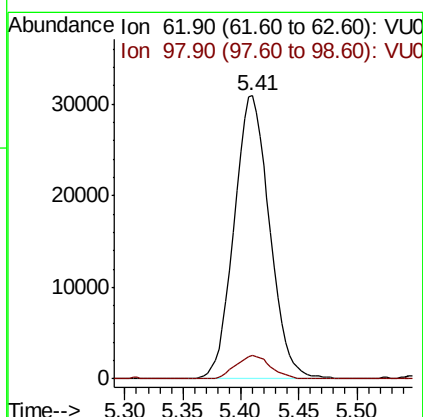
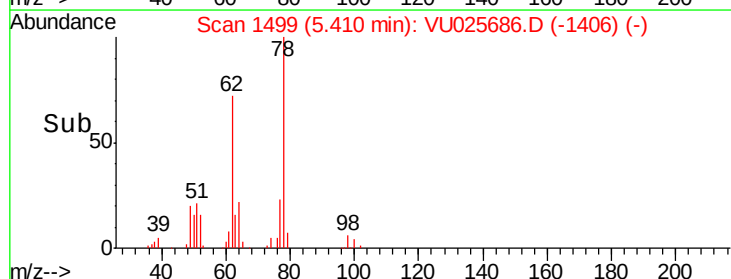
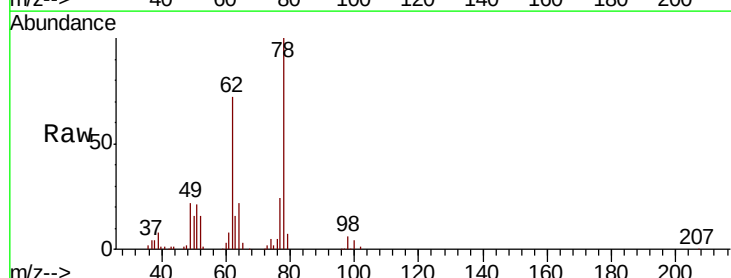
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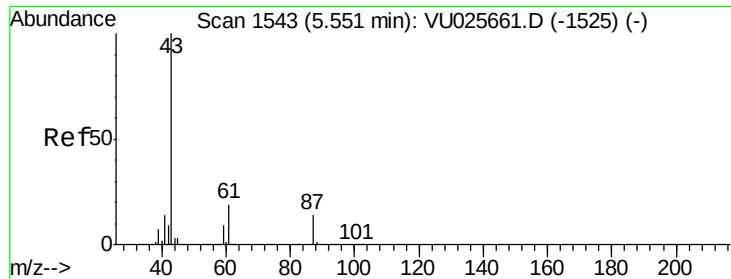
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#42
1,2-Dichloroethane
Concen: 19.35 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.4	





#43

Isopropyl Acetate

Concen: 19.51 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

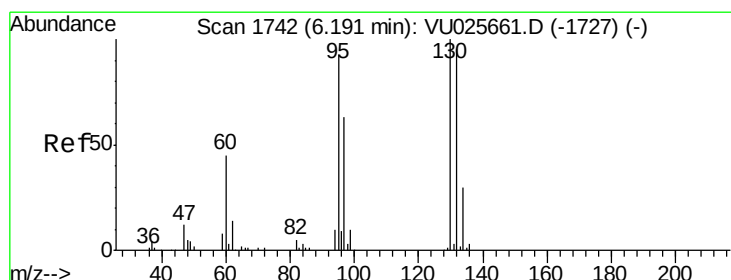
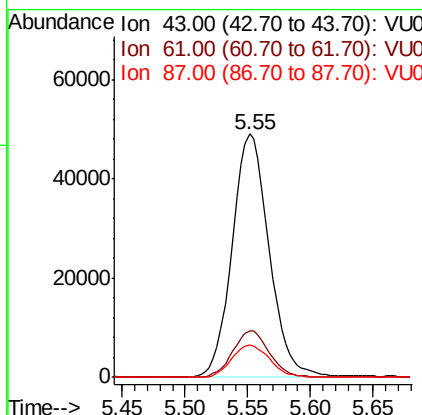
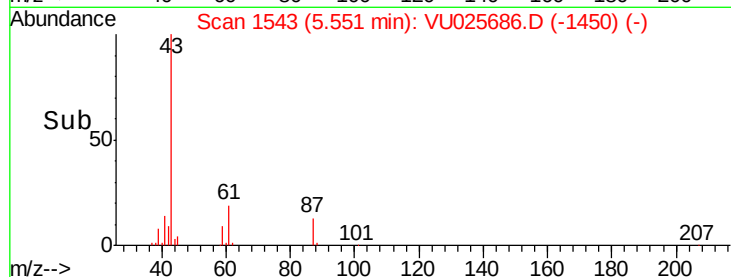
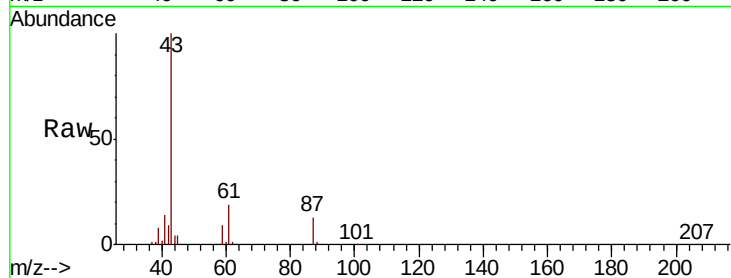
ClientSampleId :

VU0727WBS02

Tot Ion:	43	Resp:	100654
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.5	23.3
87	13.5	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.96 ug/l

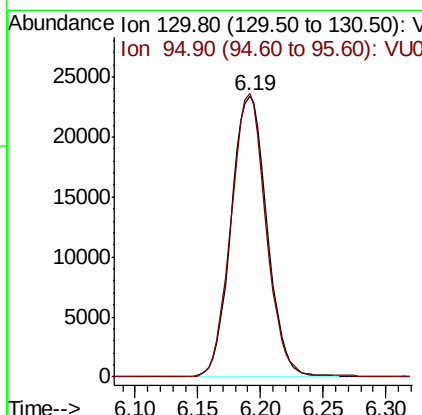
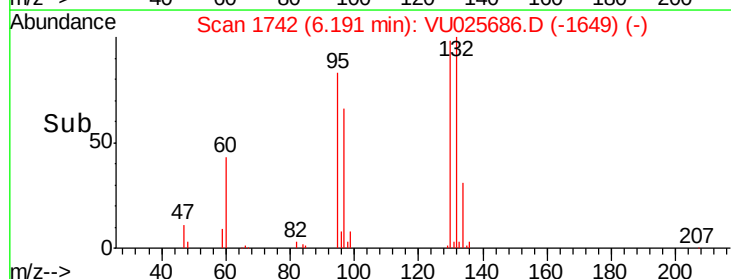
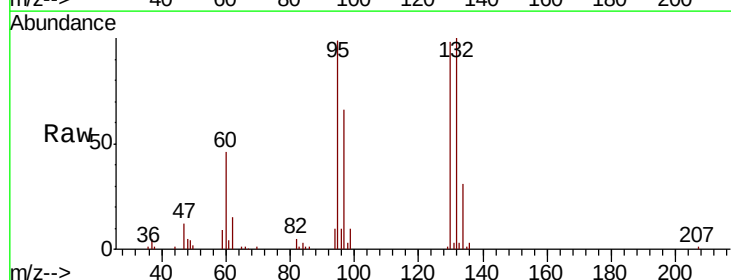
RT: 6.19 min Scan# 1742

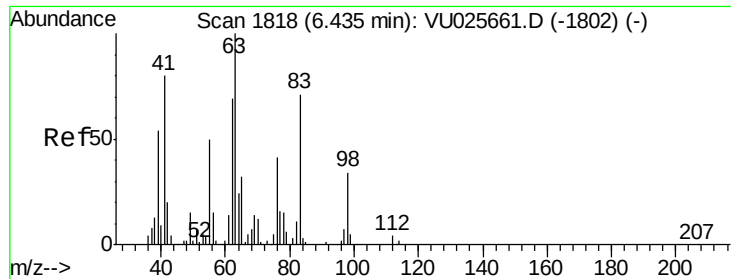
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	130	Resp:	46468
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	192.2





#45

1,2-Dichloropropane

Concen: 19.20 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 63 Resp: 44069

Ion Ratio Lower Upper

63 100

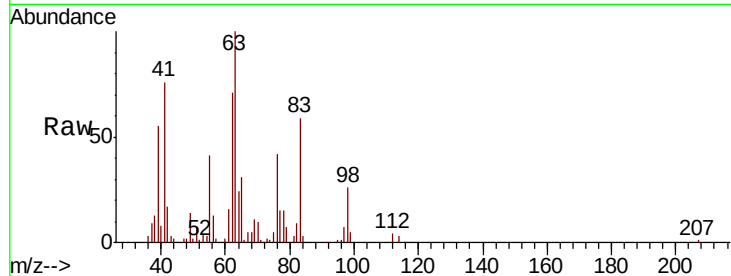
65 30.9 26.1 39.1

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

25000

20000

15000

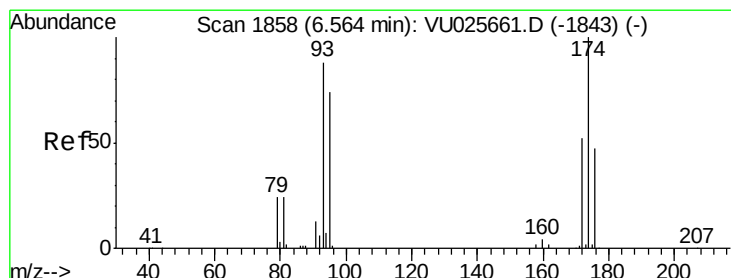
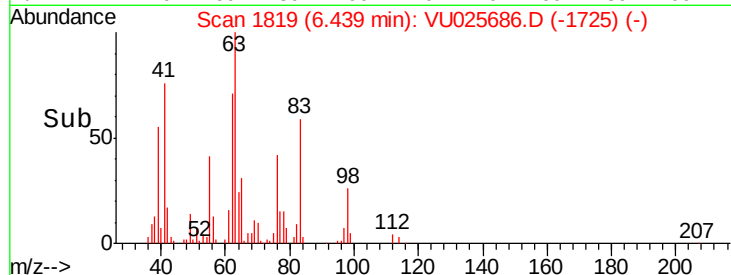
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 19.09 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

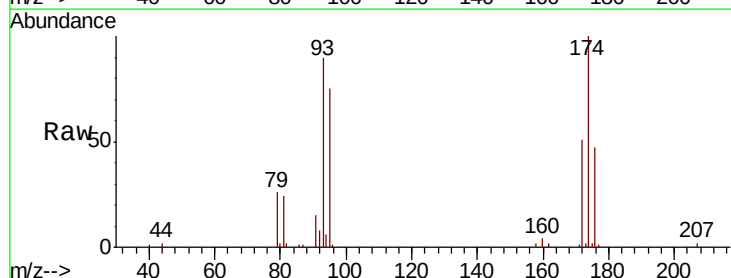
Tgt Ion: 93 Resp: 31763

Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 107.1 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

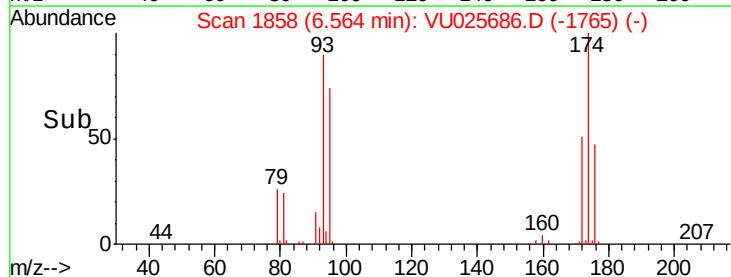
10000

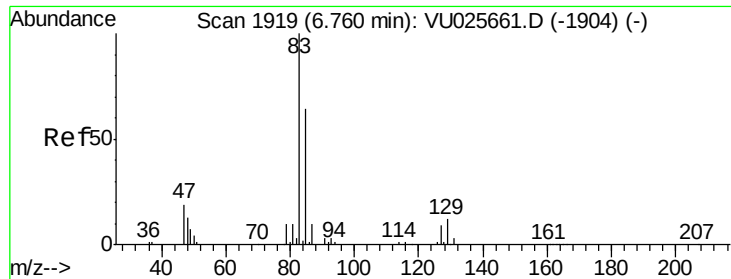
5000

0

6.50 6.55 6.60 6.65

Time-->





#47

Bromodichloromethane

Concen: 19.01 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

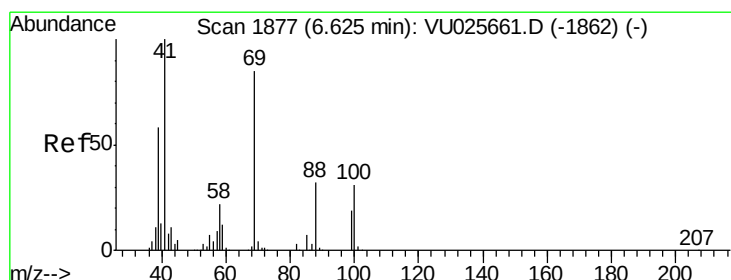
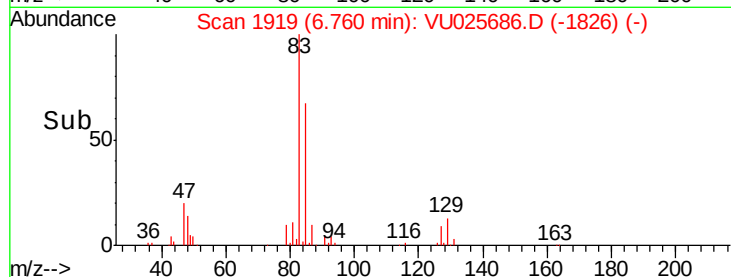
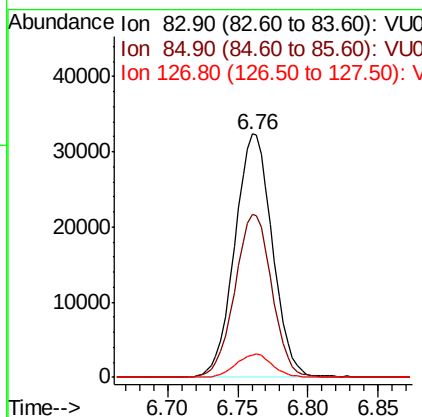
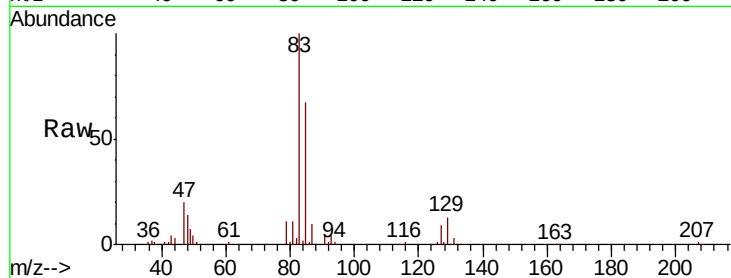
ClientSampleId :

VU0727WBS02

Tot Ion:	83	Resp:	60336
Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.2	75.4
127	9.1	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.13 ug/l

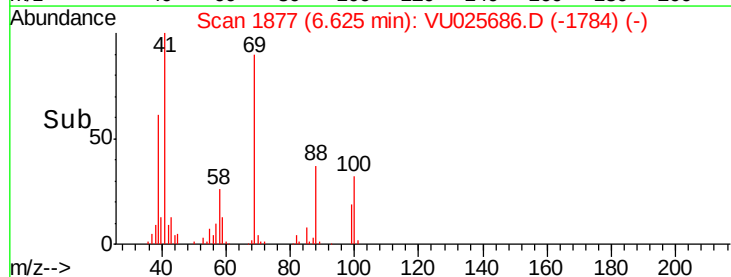
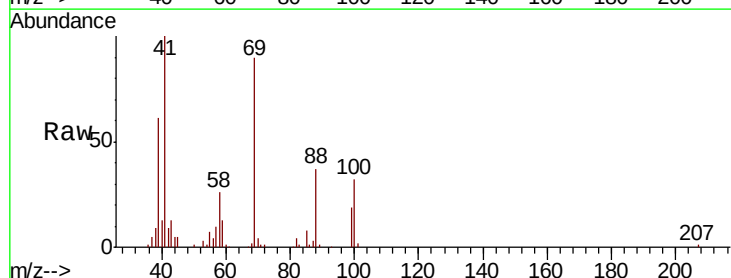
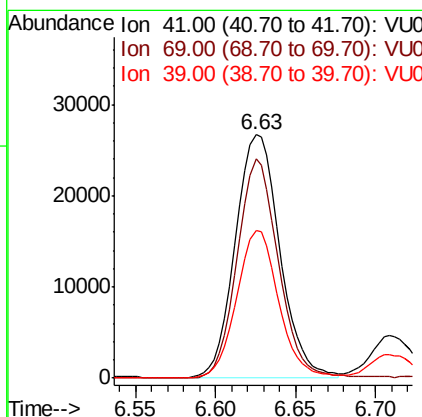
RT: 6.63 min Scan# 1877

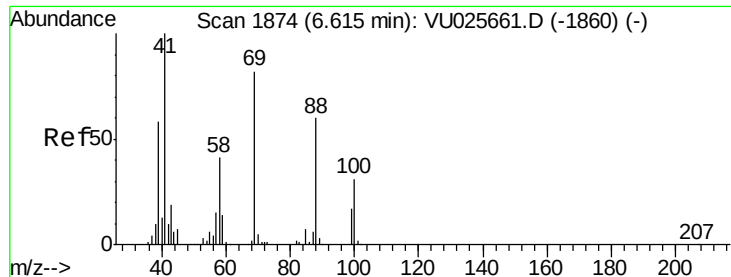
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	41	Resp:	50907
Ion	Ratio	Lower	Upper
41	100		
69	83.1	65.0	97.4
39	57.2	46.4	69.6





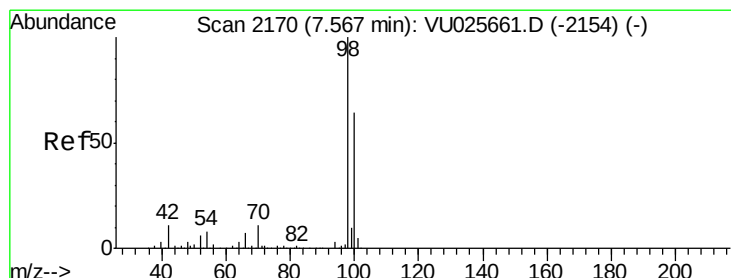
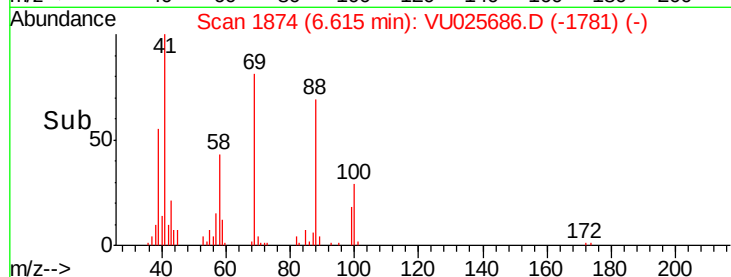
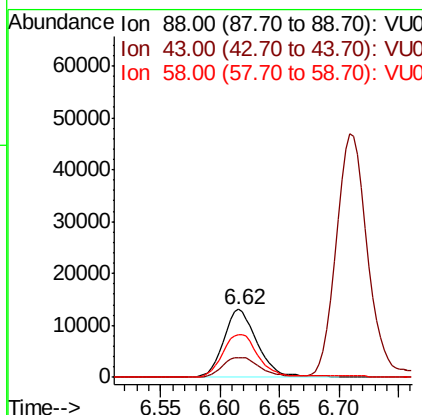
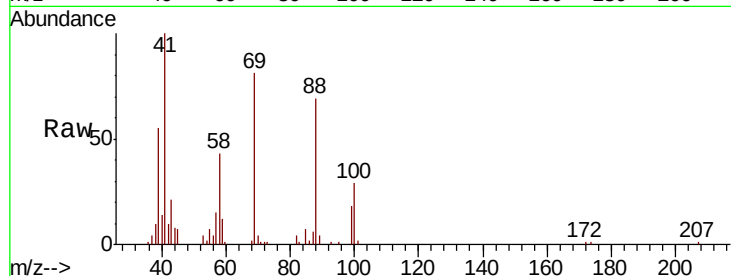
#49
1,4-Dioxane
Concen: 418.68 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.3	40.9
58	65.5	57.6	86.4

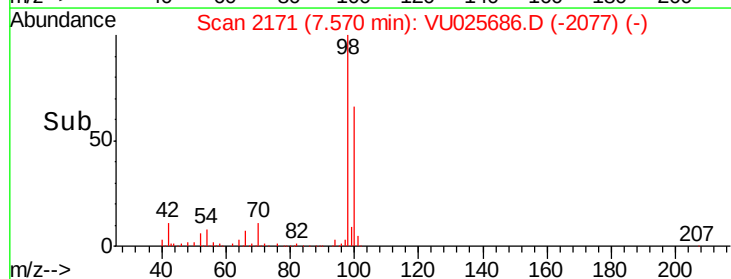
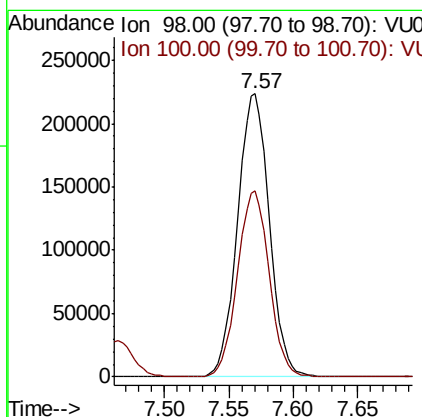
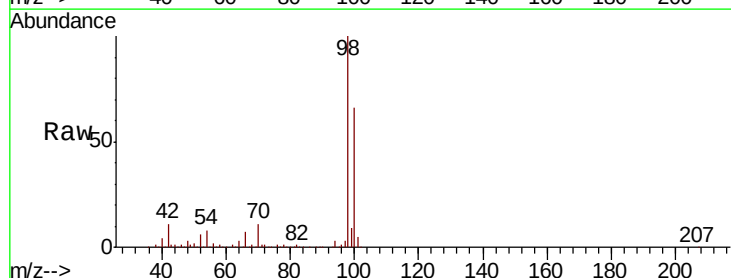
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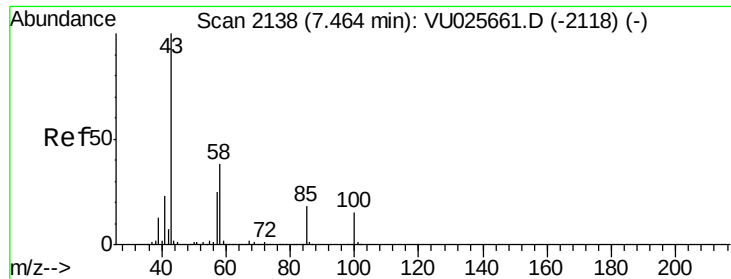
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#50
Toluene-d8
Concen: 48.93 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.1	76.7





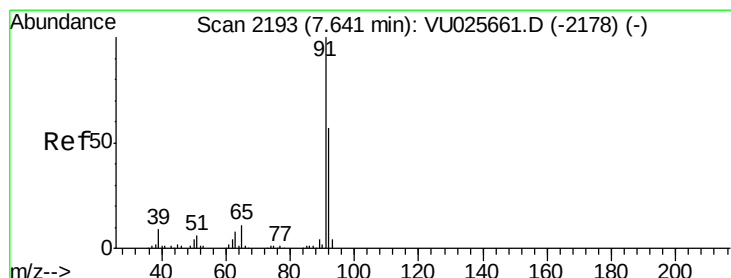
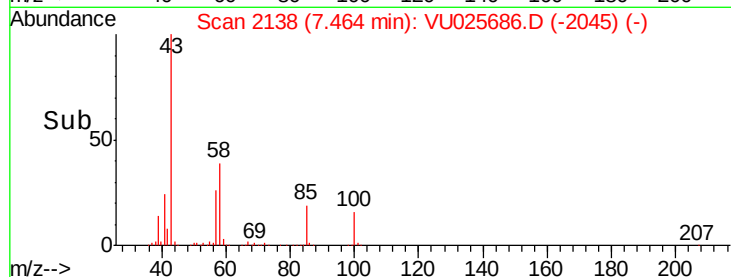
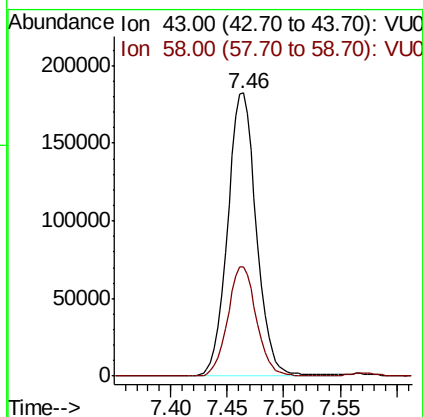
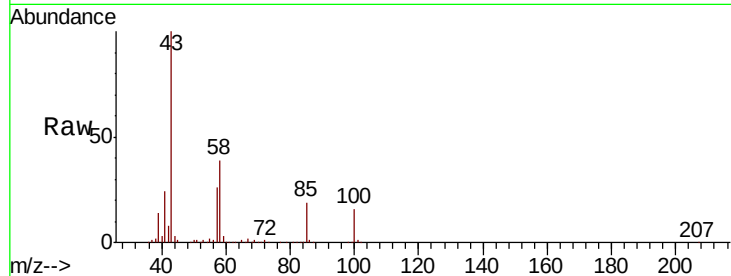
#51
4-Methyl-2-Pentanone
Concen: 100.02 ug/l
RT: 7.46 min Scan# 2138
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	31.0	46.4

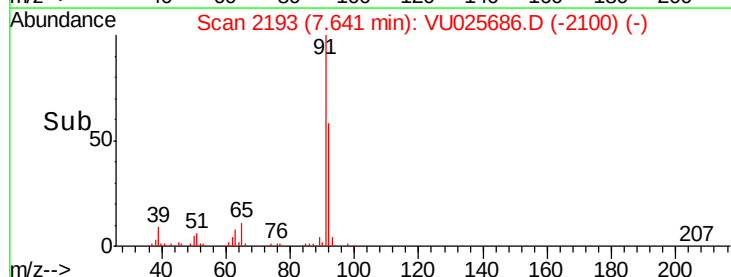
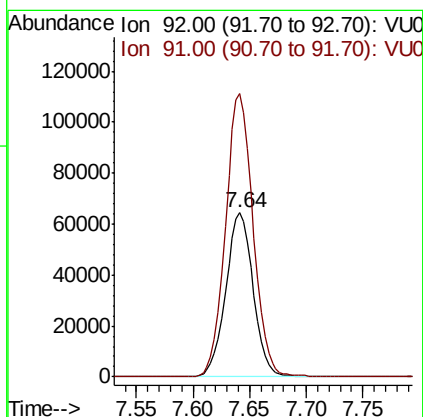
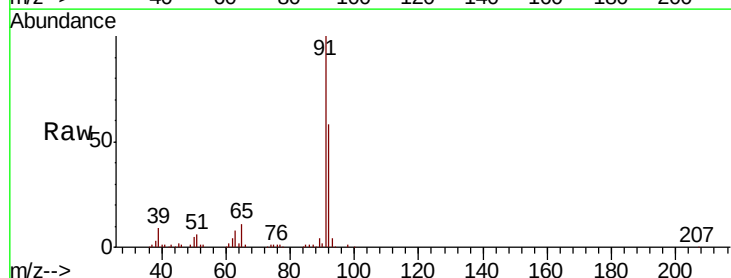
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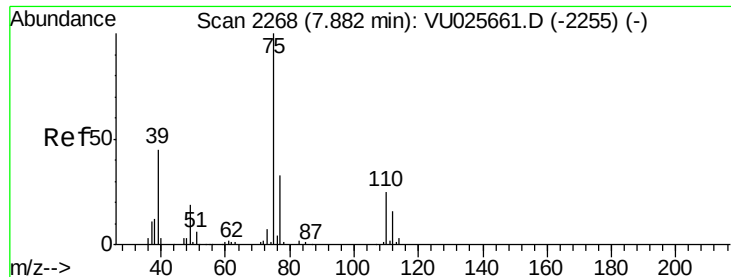
MMDadoda
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#52
Toluene
Concen: 19.87 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.3	139.2	208.8





#53

t-1,3-Dichloropropene

Concen: 18.40 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 75 Resp: 65566

Ion Ratio Lower Upper

75 100

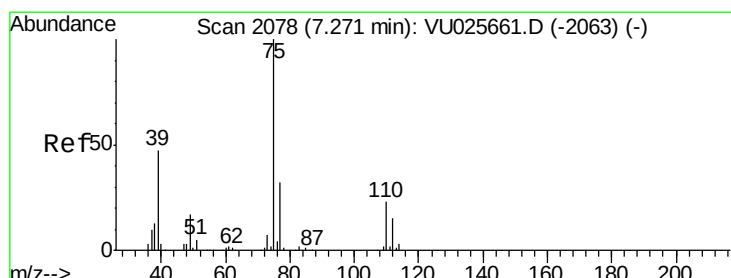
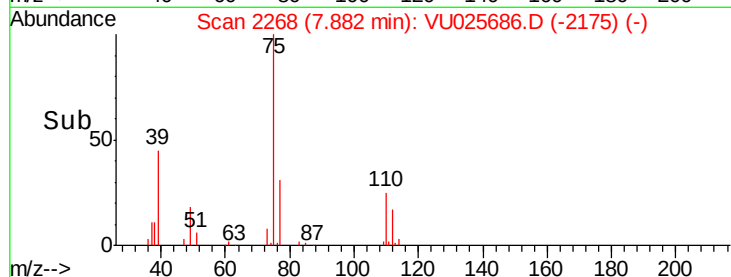
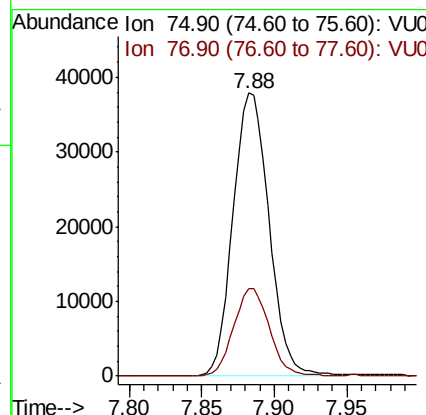
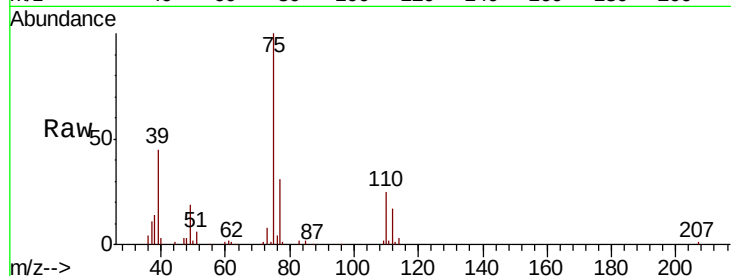
77 31.1 24.5 36.7

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#54

cis-1,3-Dichloropropene

Concen: 18.68 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

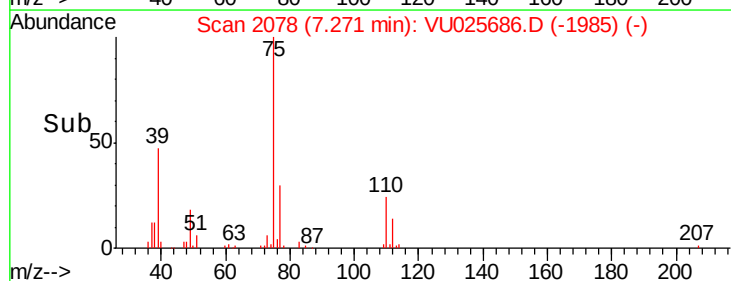
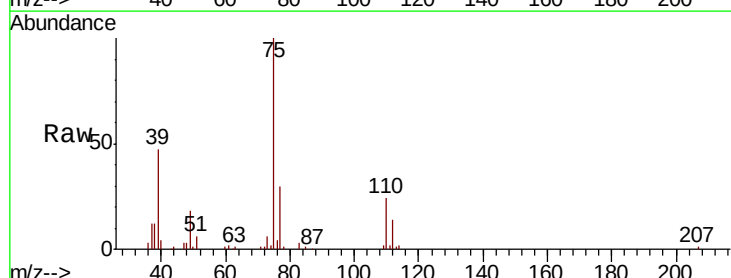
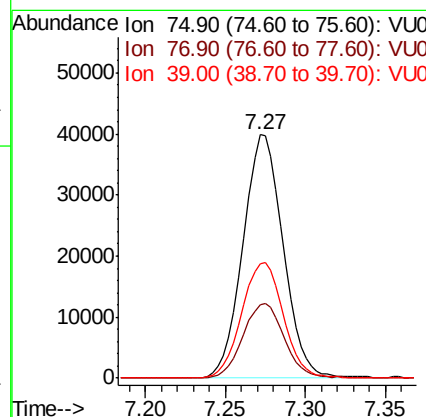
Tgt Ion: 75 Resp: 68383

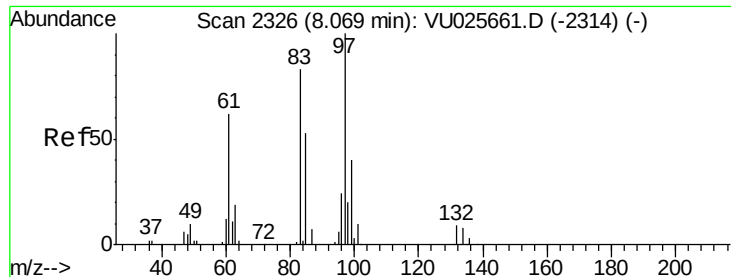
Ion Ratio Lower Upper

75 100

77 30.1 25.6 38.4

39 47.0 40.0 60.0





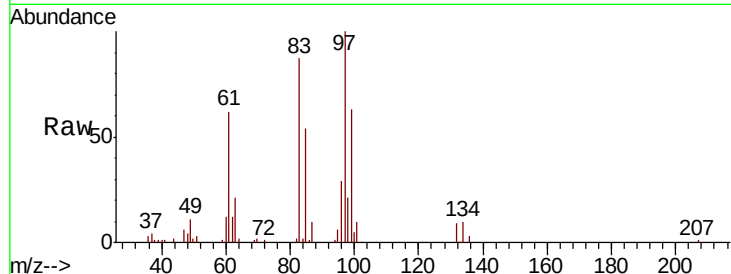
#55
 1,1,2-Trichloroethane
 Concen: 19.44 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion:	97	Resp:	44180
Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.9	103.3
85	54.1	44.4	66.6
99	63.4	51.0	76.4

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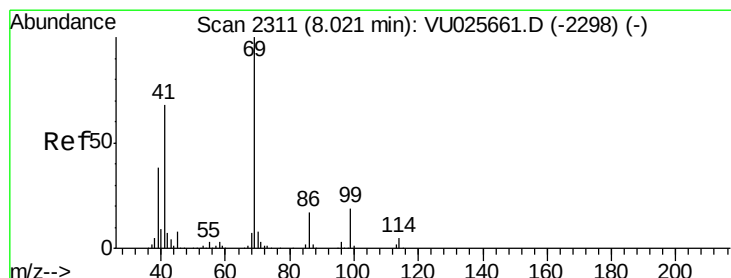
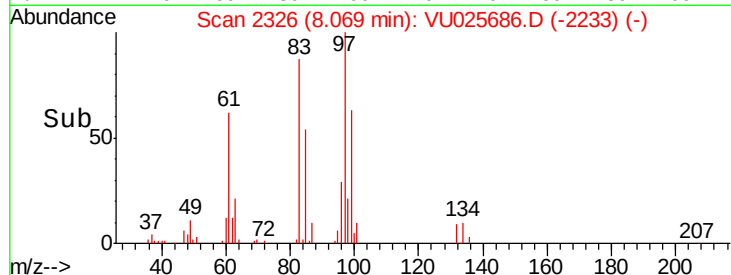
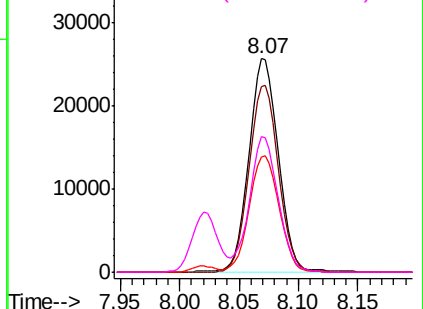
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

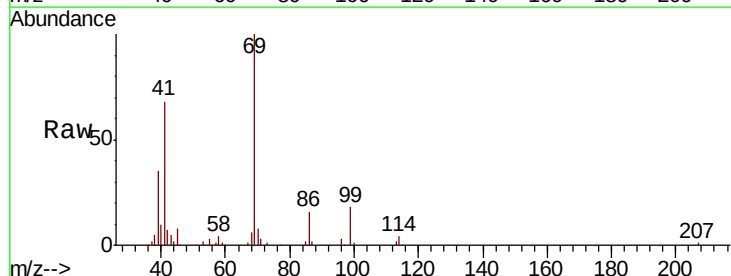
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
 Ethyl methacrylate
 Concen: 19.38 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion:	69	Resp:	62945
Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.8	82.2
39	37.2	31.1	46.7

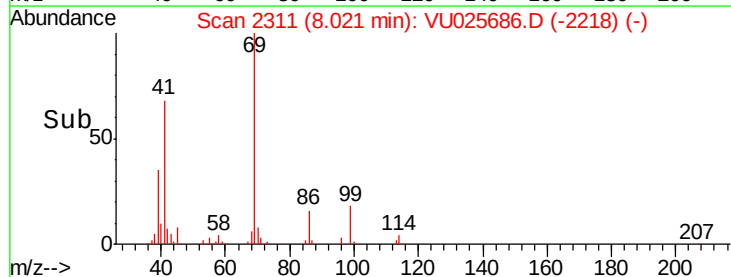
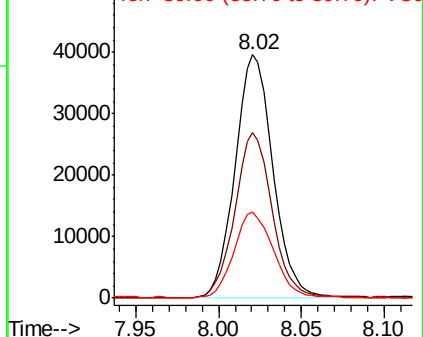


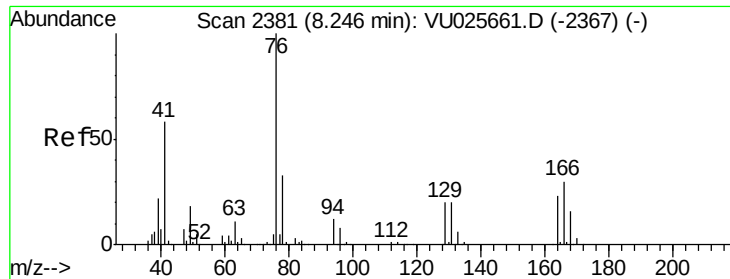
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





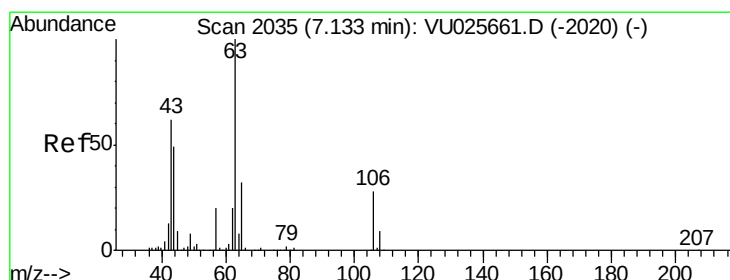
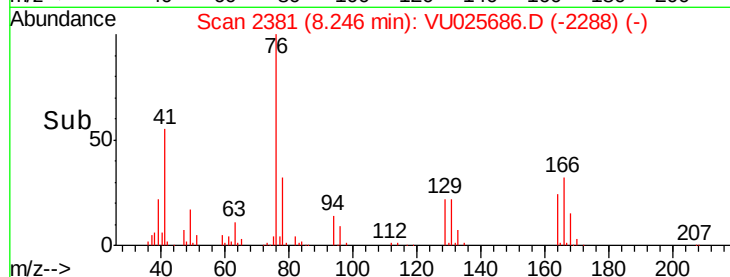
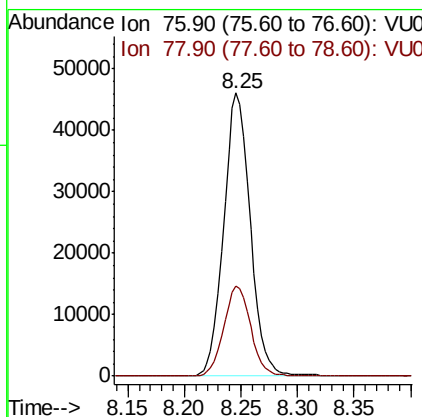
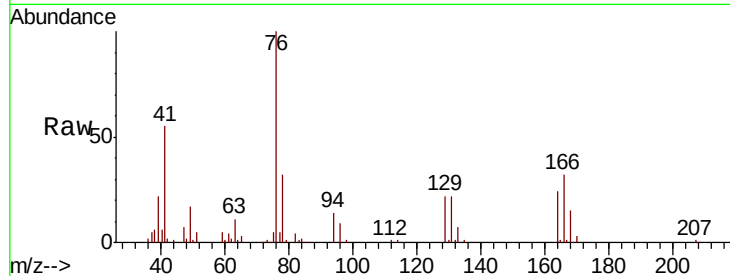
#57
 1,3-Dichloropropane
 Concen: 19.72 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion: 76 Resp: 75362
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

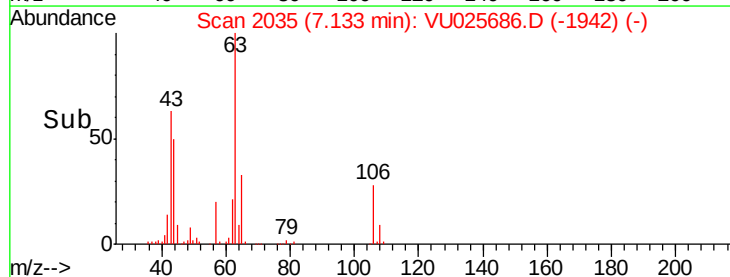
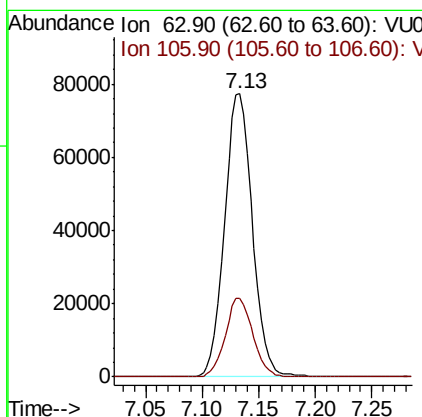
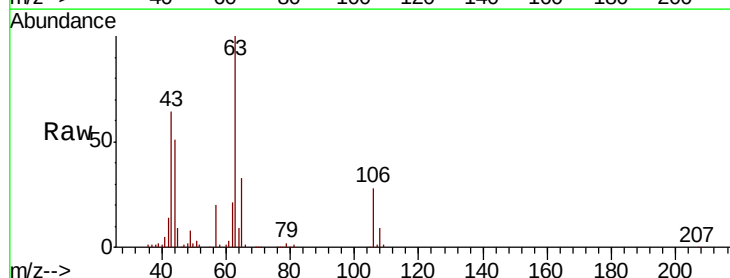
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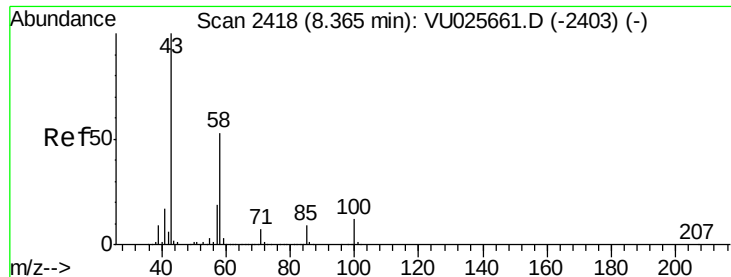
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 7/31/2018 3:49:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.54 ug/l
 RT: 7.13 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion: 63 Resp: 132362
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.3 33.5





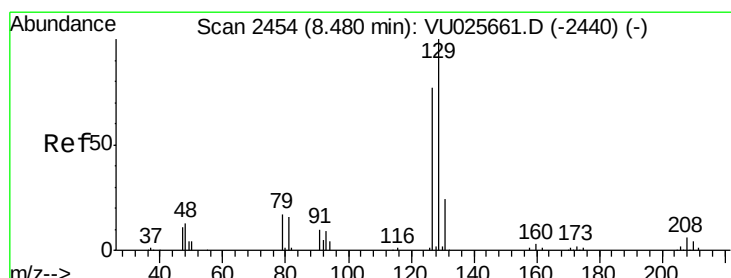
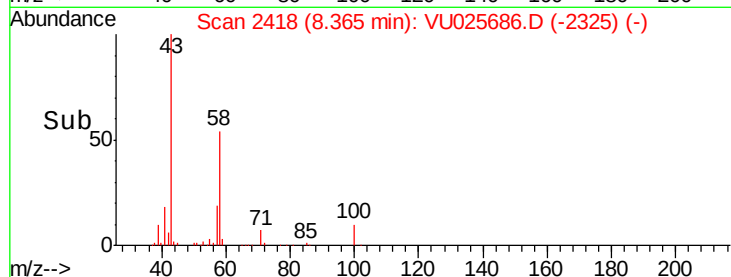
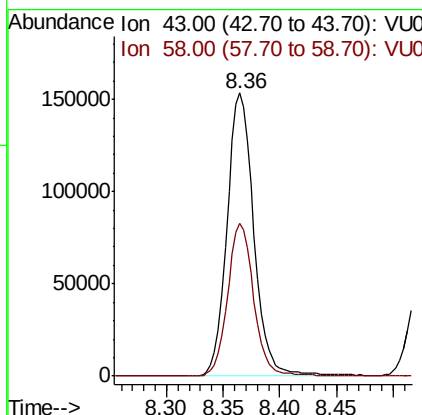
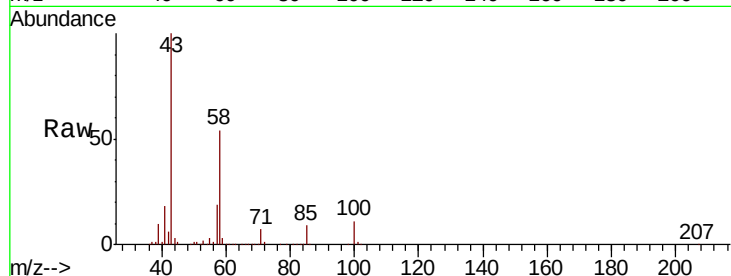
#59
2-Hexanone
Concen: 99.84 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	43	Resp	252820
Ion Ratio	100	Lower	Upper
43	100		
58	52.6	26.2	78.5

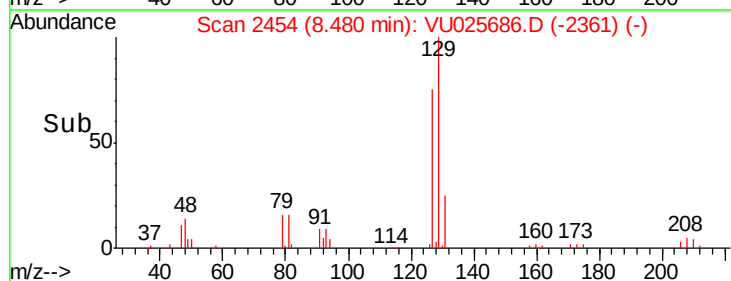
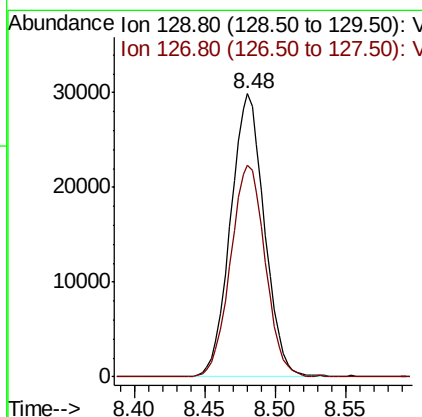
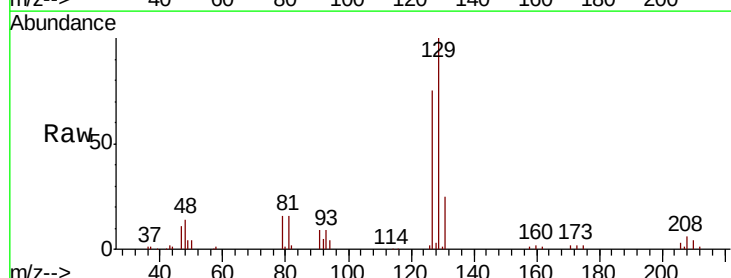
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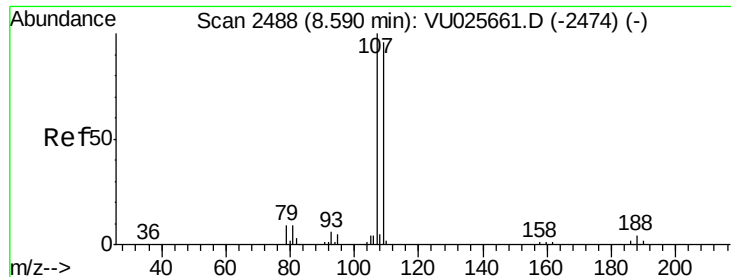
MMDadoda
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#60
Dibromochloromethane
Concen: 18.73 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	129	Resp	50194
Ion Ratio	100	Lower	Upper
129	100		
127	76.5	38.6	115.8





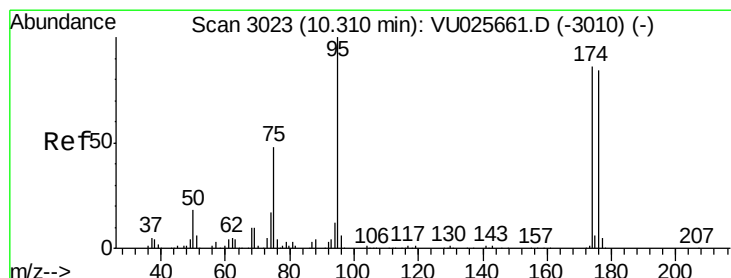
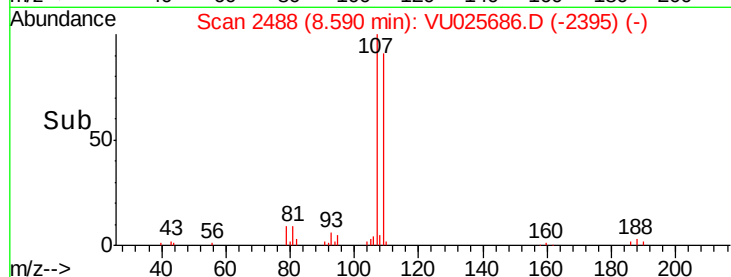
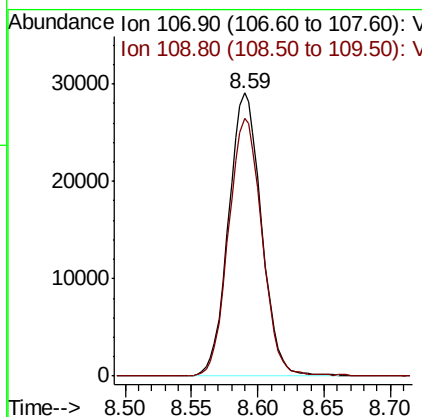
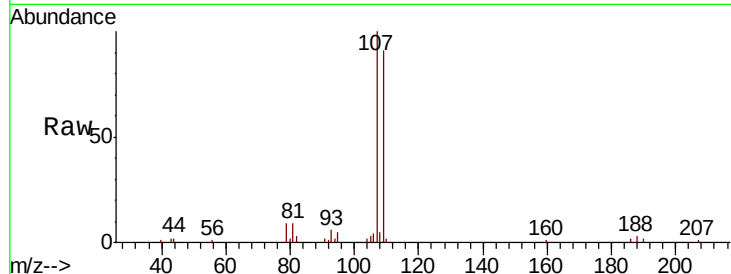
#61
 1,2-Dibromoethane
 Concen: 19.80 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.8	113.8

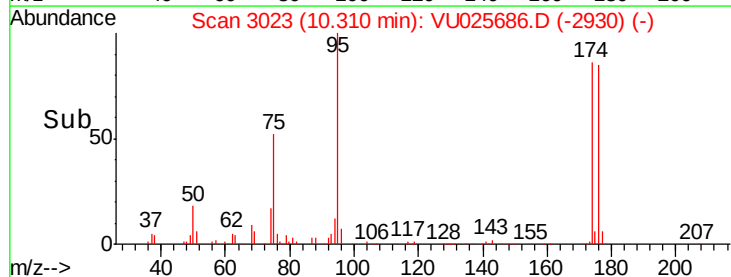
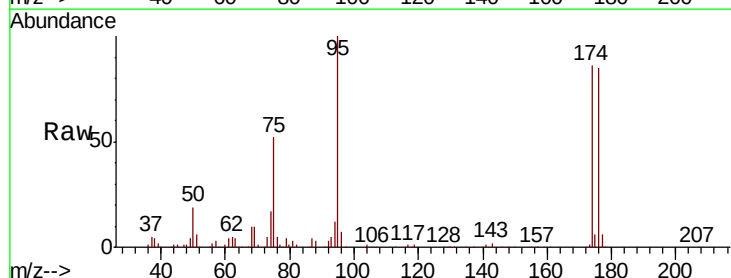
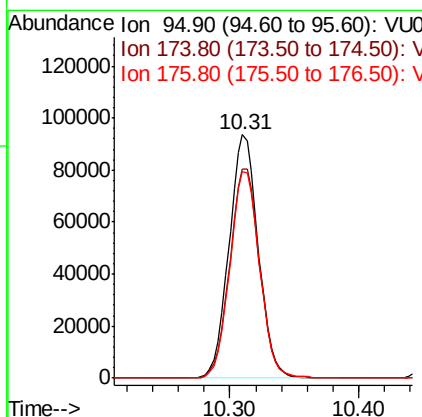
Manual Integrations
 APPROVED

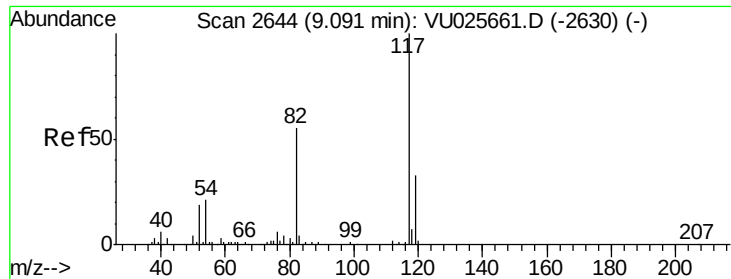
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.13 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.9	0.0	172.2
176	86.1	0.0	162.6





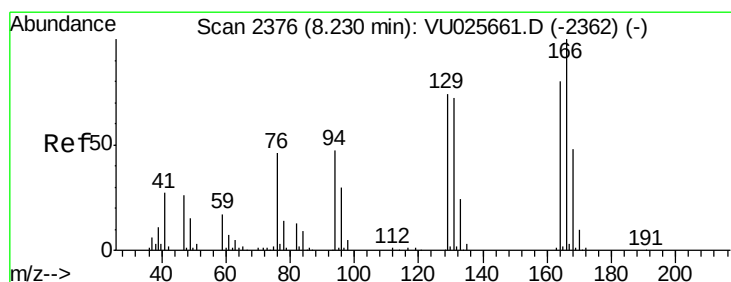
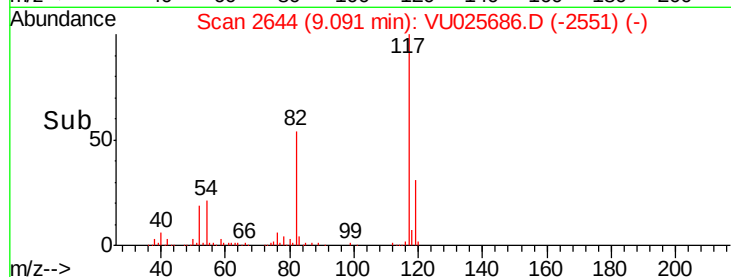
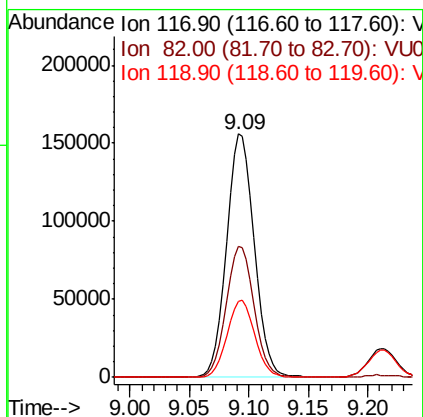
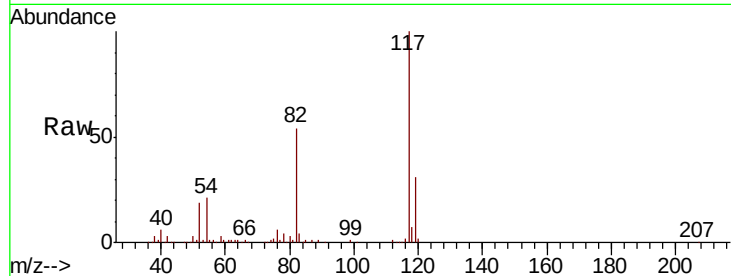
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	46.0	69.0
119	31.3	26.0	39.0

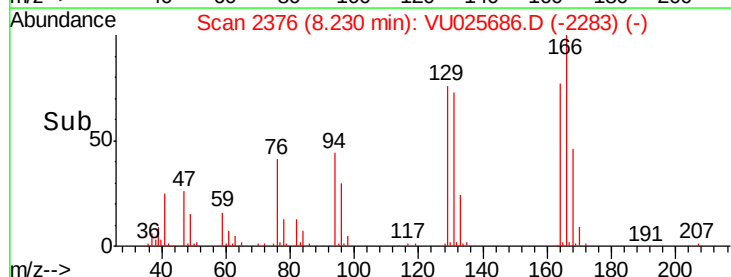
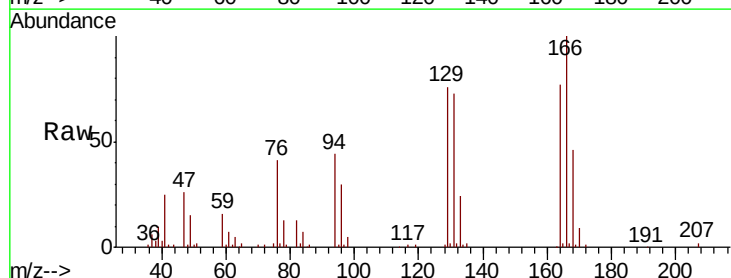
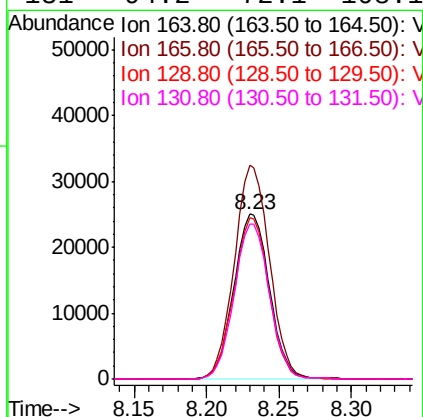
Manual Integrations
APPROVED

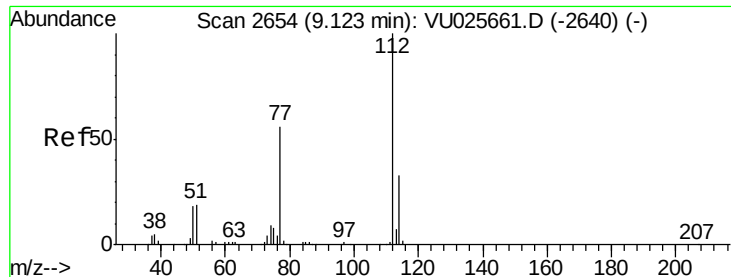
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#64
Tetrachloroethene
Concen: 19.30 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	101.1	151.7
129	97.8	73.0	109.6
131	94.2	72.1	108.1





#65

Chlorobenzene

Concen: 19.20 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion:112 Resp: 124926

Ion Ratio Lower Upper

112 100

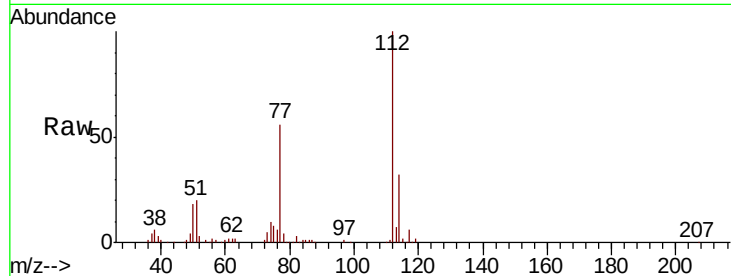
114 32.2 25.8 38.8

Manual Integrations

APPROVED

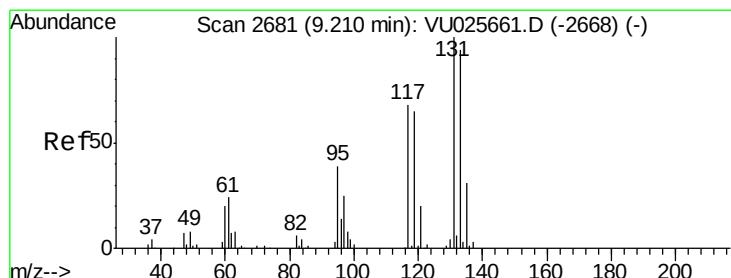
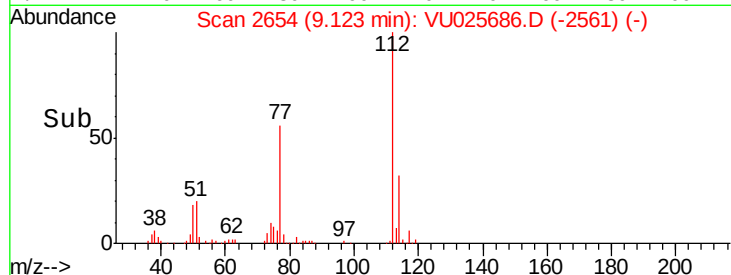
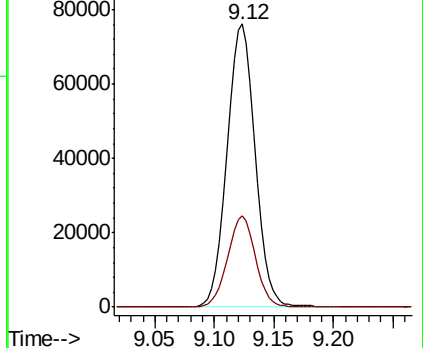
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.12 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

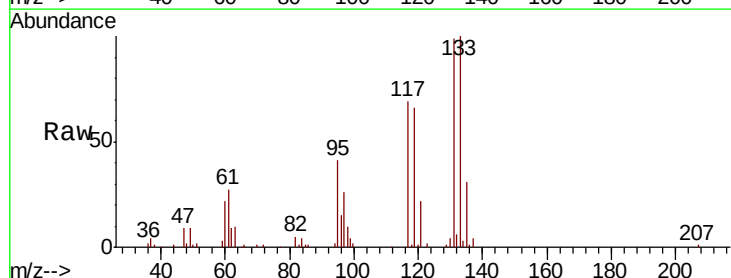
Tgt Ion:131 Resp: 44991

Ion Ratio Lower Upper

131 100

133 98.3 47.8 143.3

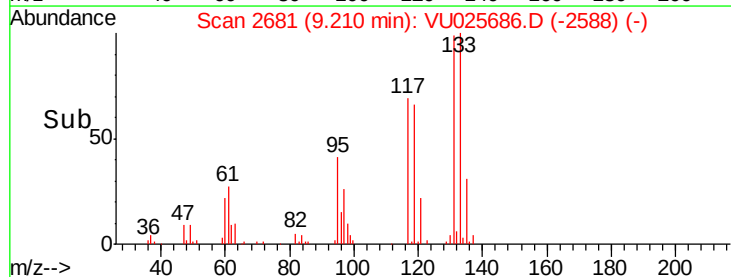
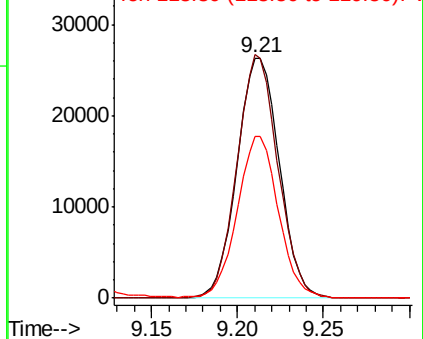
119 65.7 31.6 95.0

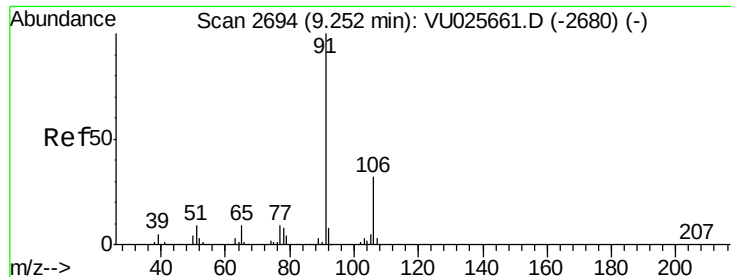


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.98 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 91 Resp: 204517

Ion Ratio Lower Upper

91 100

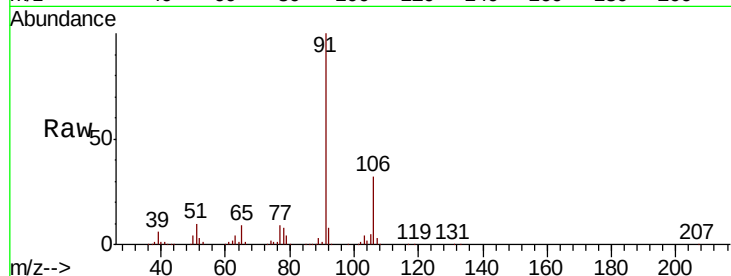
106 32.0 25.3 37.9

Manual Integrations

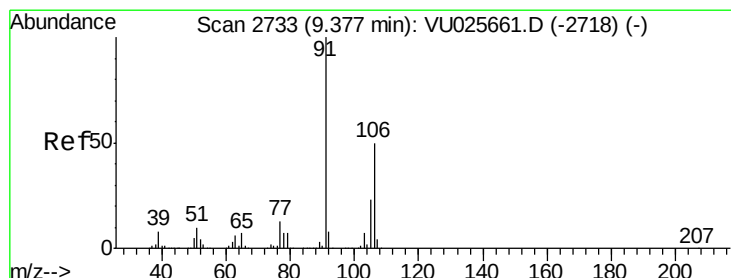
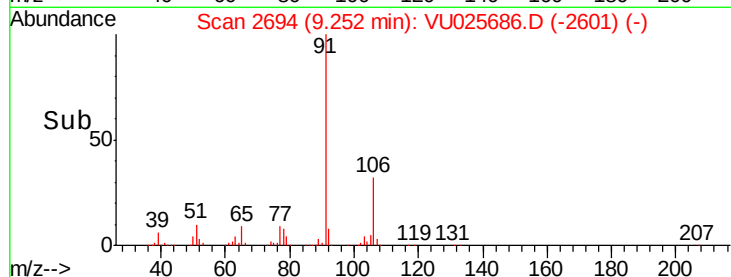
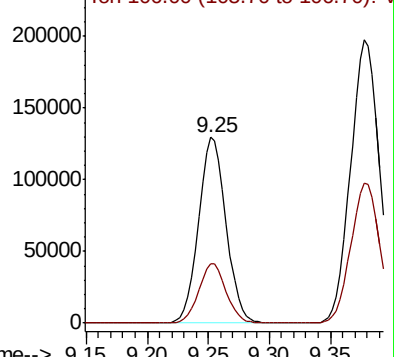
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Abundance Ion 91.00 (90.70 to 91.70): VU025686.D (-2601) (-)



#68

m/p-Xylenes

Concen: 38.96 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU025686.D

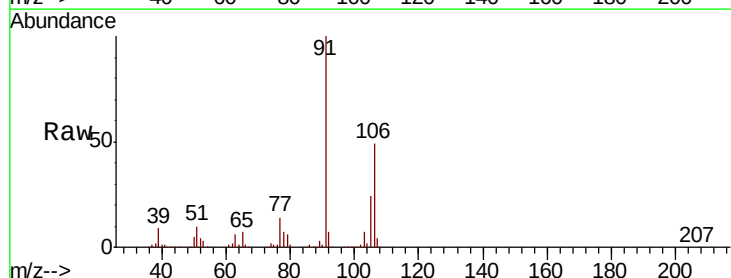
Acq: 27 Jul 2018 22:44

Tgt Ion: 106 Resp: 161210

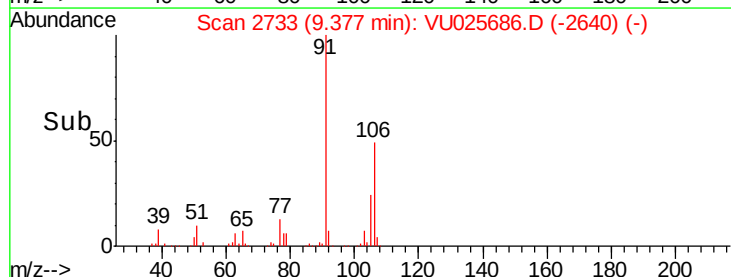
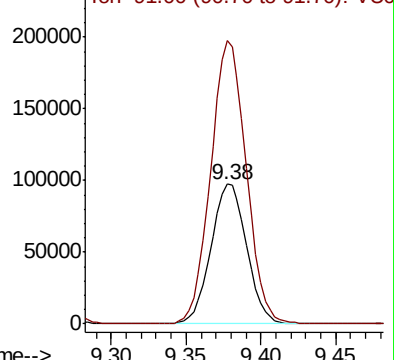
Ion Ratio Lower Upper

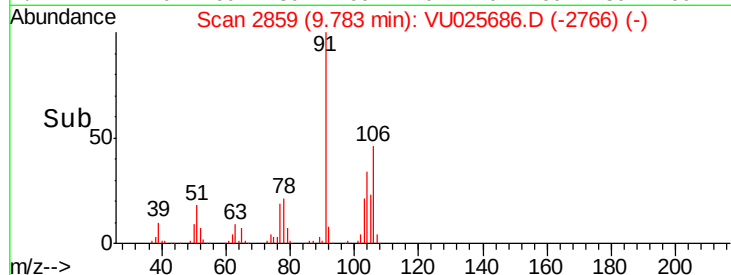
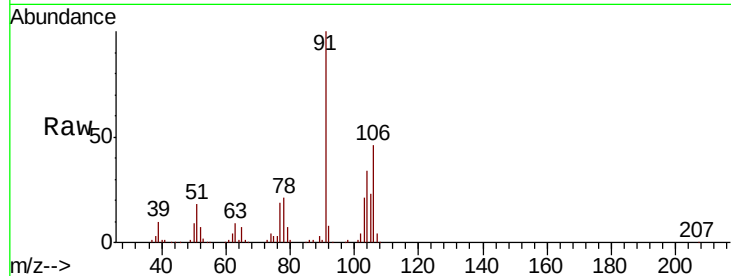
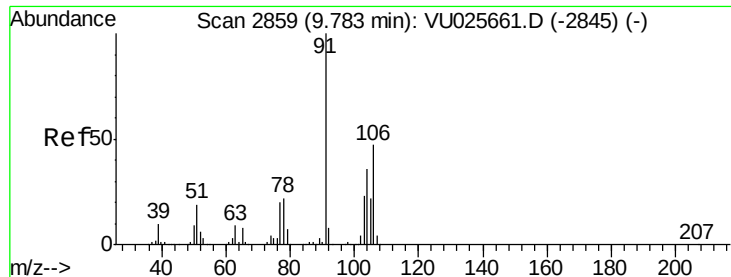
106 100

91 202.4 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): VU025686.D (-2640) (-)





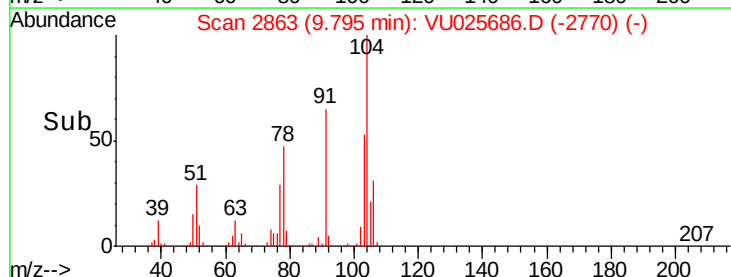
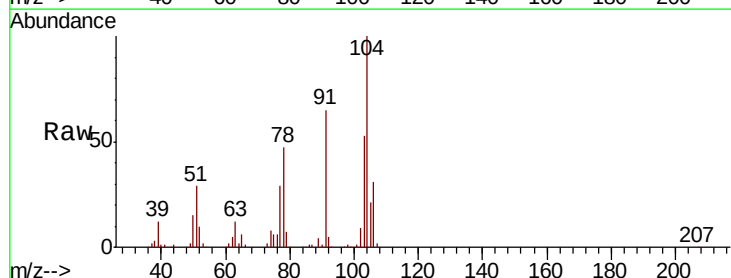
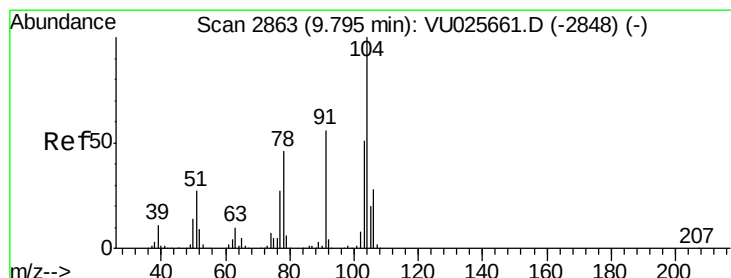
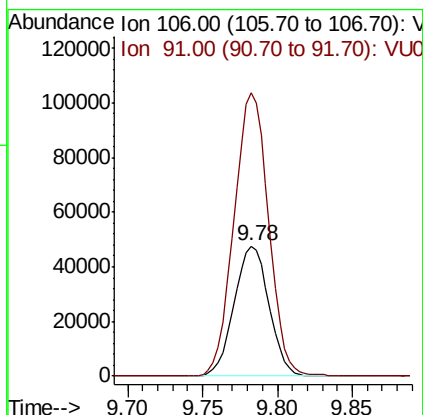
#69
o-Xylene
Concen: 19.11 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tot Ion:106 Resp: 77280
Ion Ratio Lower Upper
106 100
91 216.0 105.3 315.8

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

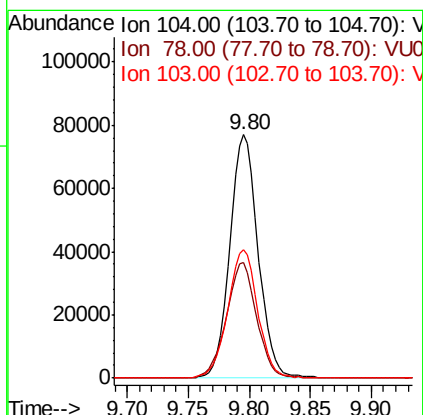
Manual Integrations
APPROVED

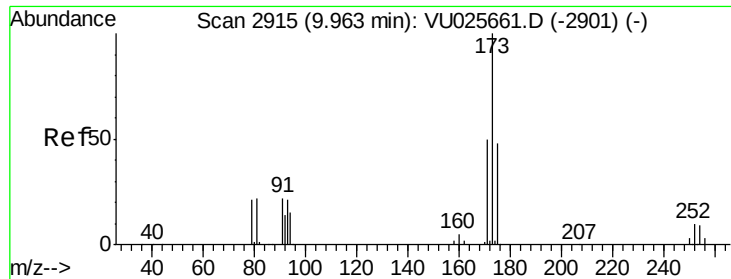
MMDadoda
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#70
Styrene
Concen: 19.09 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion:104 Resp: 124721
Ion Ratio Lower Upper
104 100
78 50.8 41.6 62.4
103 56.1 44.6 66.8





#71

Bromoform

Concen: 18.18 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion:173 Resp: 37109

Ion Ratio Lower Upper

173 100

175 48.1 24.0 72.0

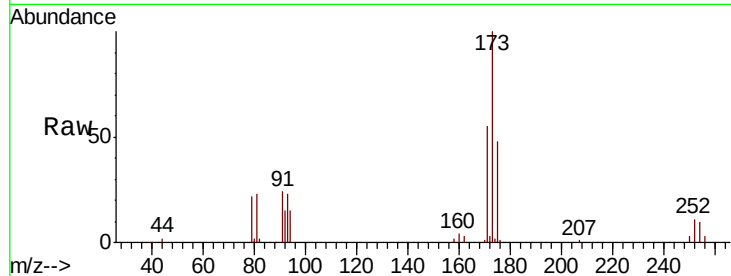
254 0.0 0.0 0.0

Manual Integrations

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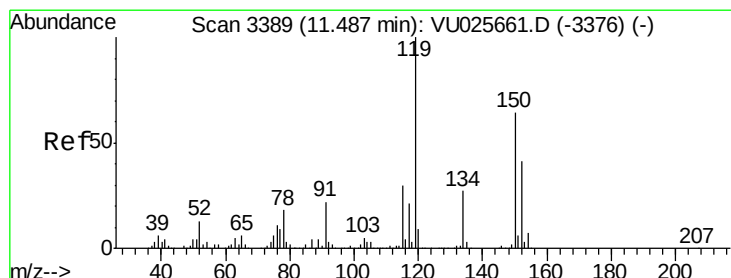
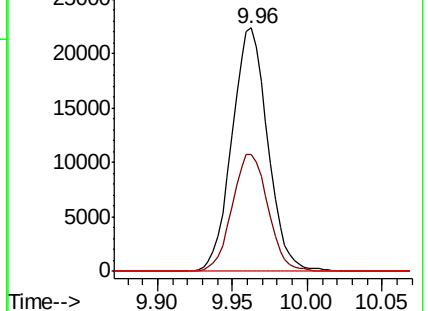
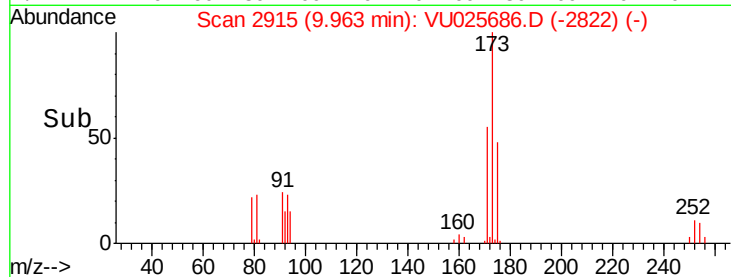
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

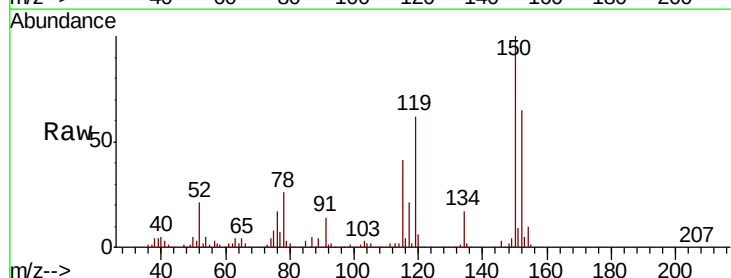
Tgt Ion:152 Resp: 156520

Ion Ratio Lower Upper

152 100

115 65.7 40.1 120.3

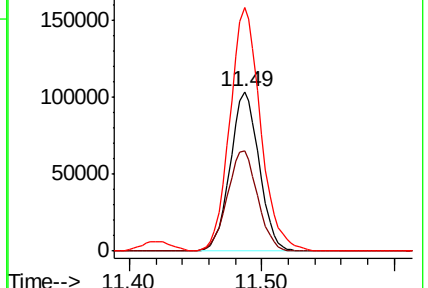
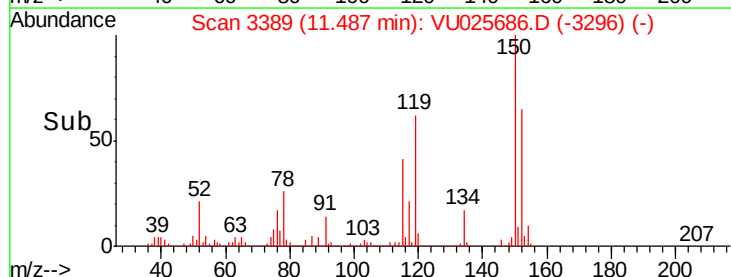
150 162.2 0.0 351.4

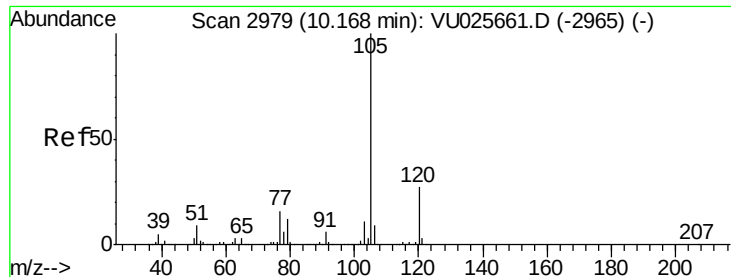


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.68 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion:105 Resp: 210206

Ion Ratio Lower Upper

105 100

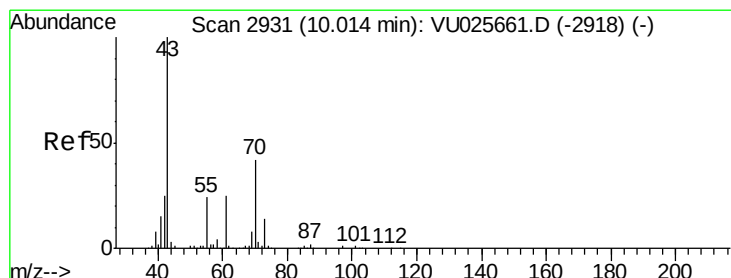
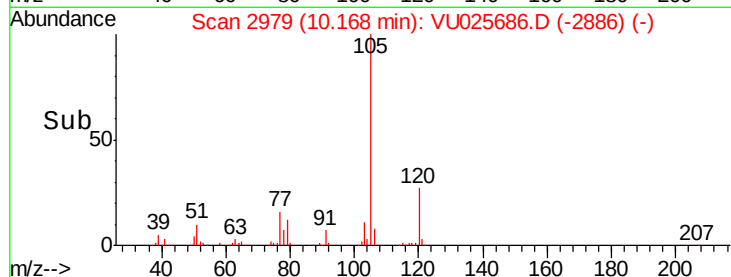
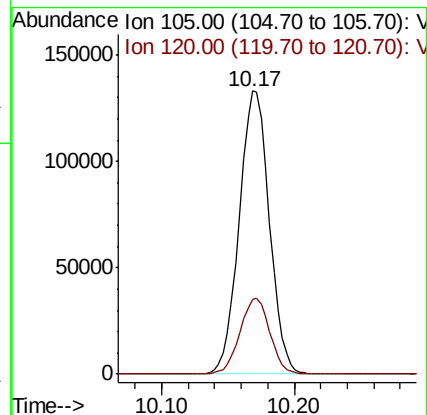
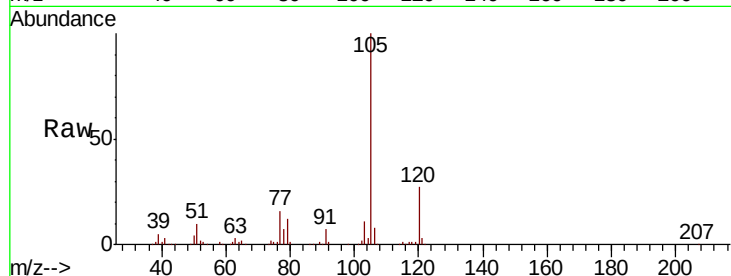
120 26.7 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.04 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion: 43 Resp: 87387

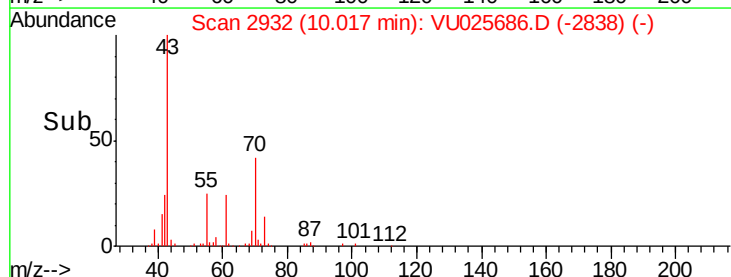
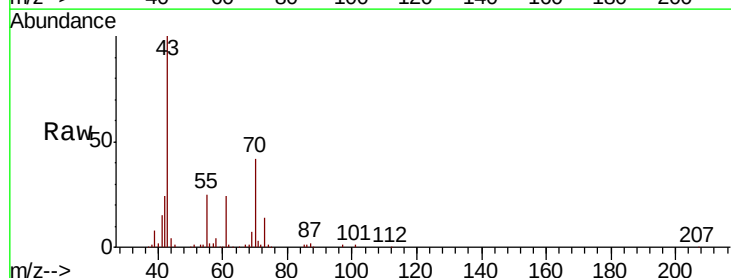
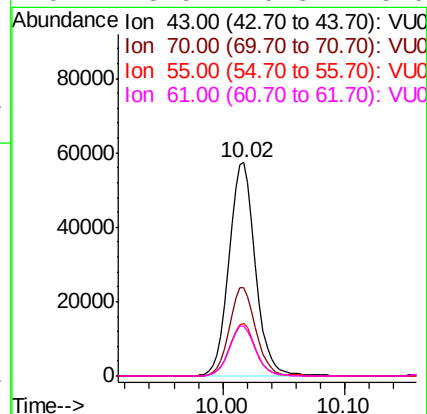
Ion Ratio Lower Upper

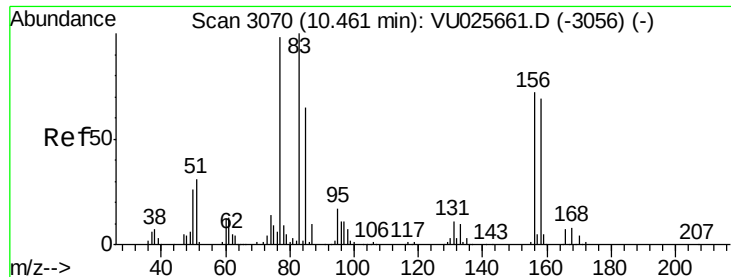
43 100

70 41.5 33.4 50.2

55 24.4 19.0 28.6

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 83 Resp: 70998

Ion Ratio Lower Upper

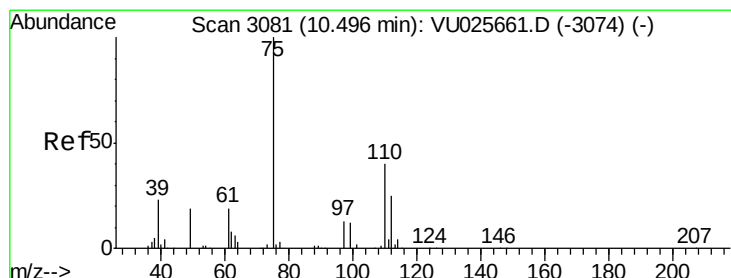
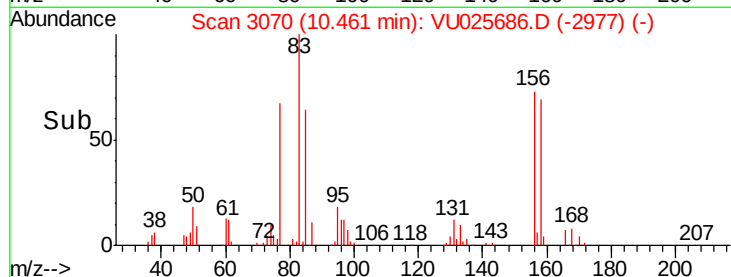
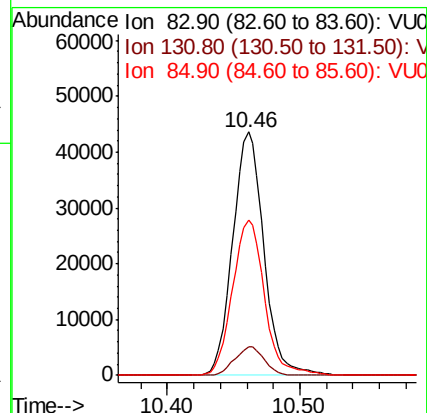
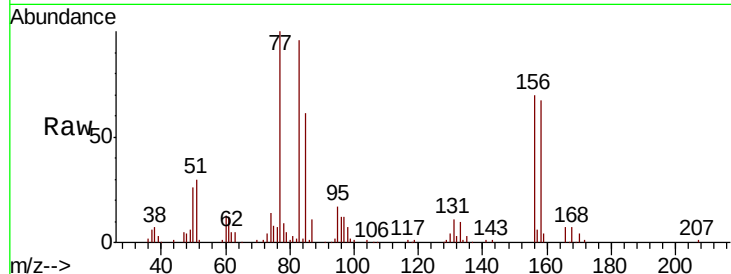
83 100

131 11.1 5.5 16.4

85 65.5 31.6 94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.37 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025686.D

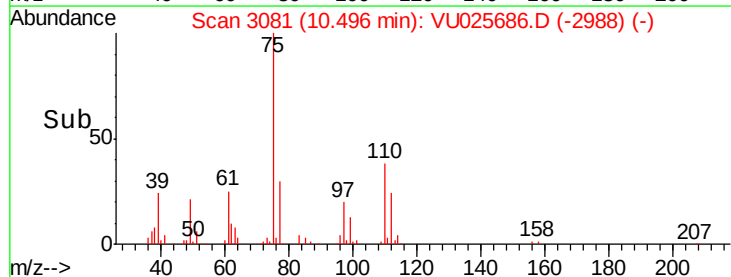
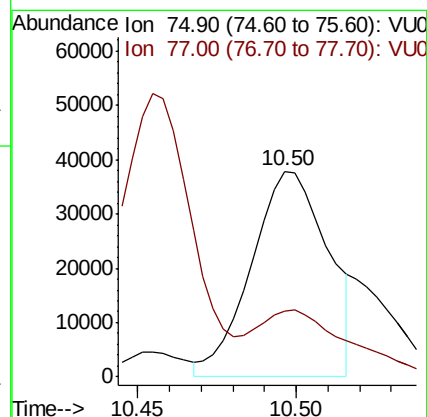
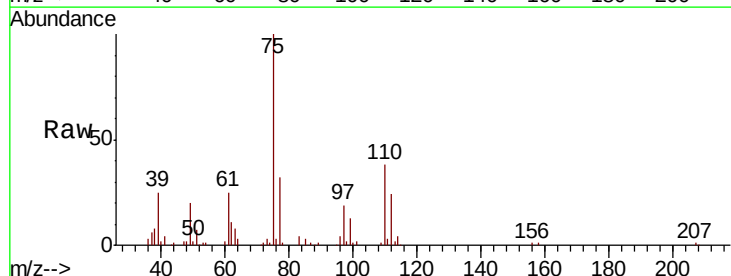
Acq: 27 Jul 2018 22:44

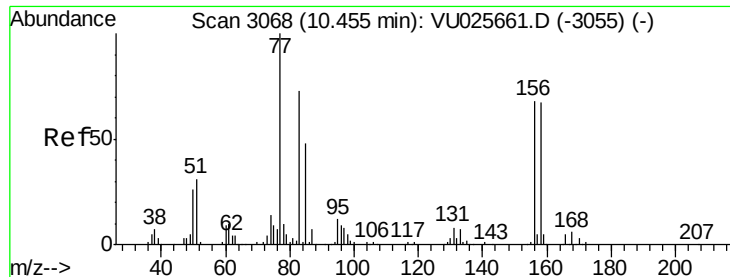
Tgt Ion: 75 Resp: 63365

Ion Ratio Lower Upper

75 100

77 39.2 20.4 61.3





#77

Bromobenzene

Concen: 19.35 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

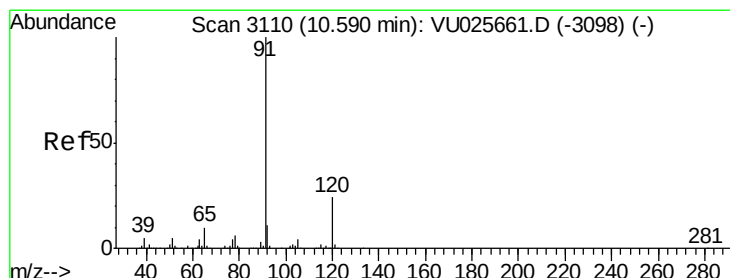
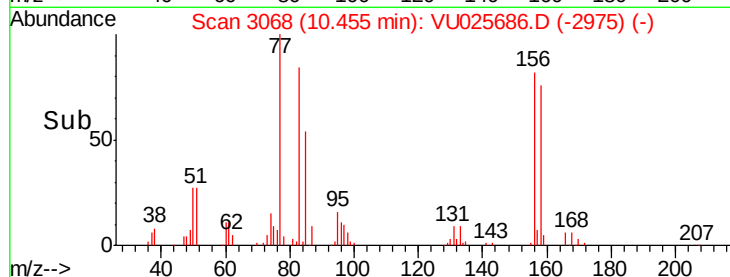
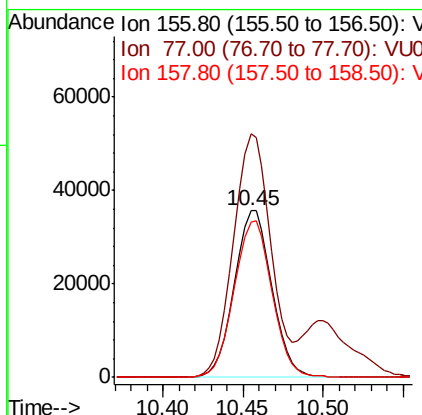
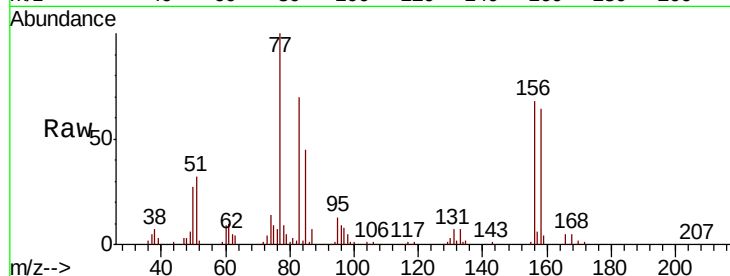
ClientSampleId :

VU0727WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.8	73.8	221.4	
158	94.6	48.0	144.0	

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#78

n-propylbenzene

Concen: 19.77 ug/l

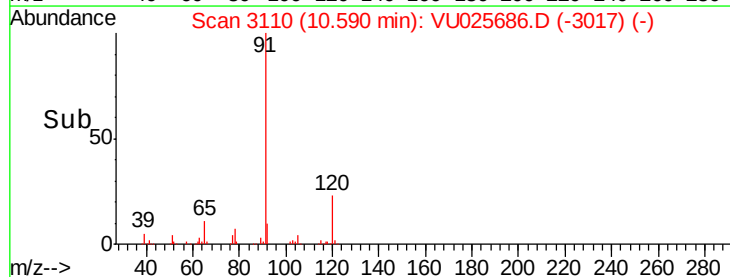
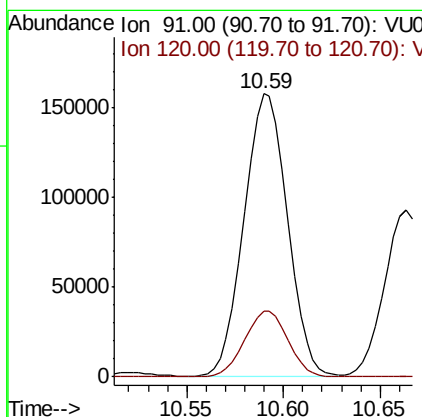
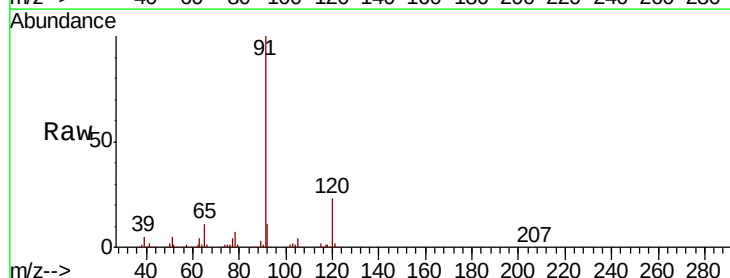
RT: 10.59 min Scan# 3110

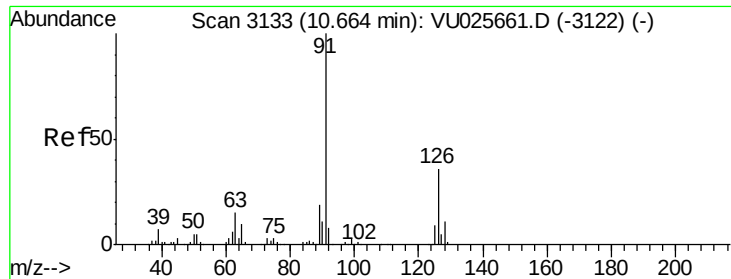
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.8	35.3	





#79

2-Chlorotoluene

Concen: 19.83 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion: 91 Resp: 144834

Ion Ratio Lower Upper

91 100

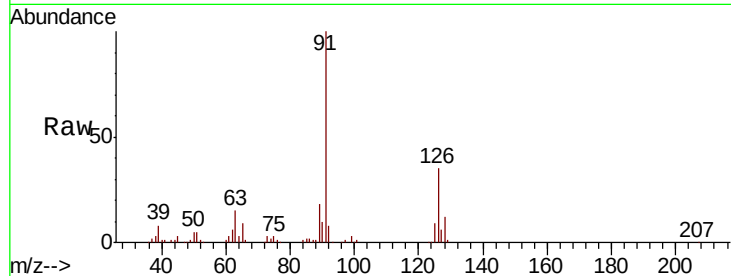
126 35.6 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU025686.D (-3040) (-)

Ion 125.90 (125.60 to 126.60): VU025686.D (-3040) (-)

150000

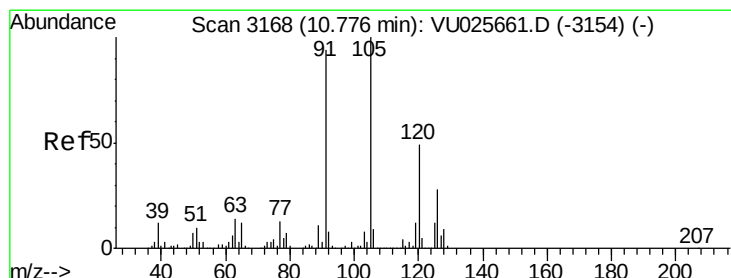
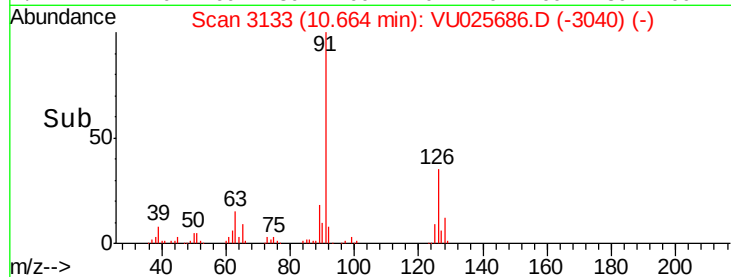
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.88 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025686.D

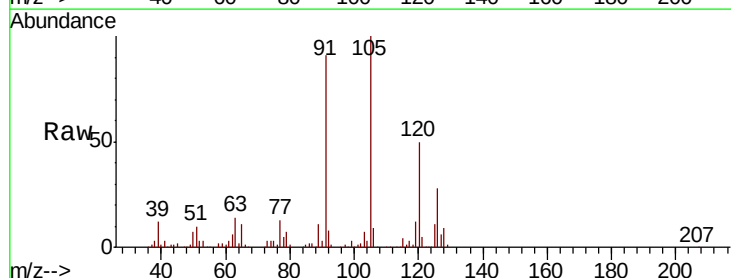
Acq: 27 Jul 2018 22:44

Tgt Ion: 105 Resp: 180404

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025686.D (-3075) (-)

Ion 120.00 (119.70 to 120.70): VU025686.D (-3075) (-)

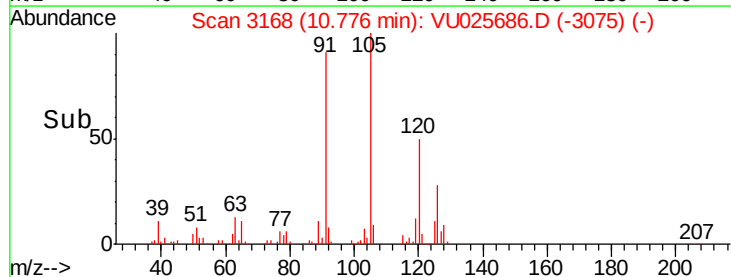
100000

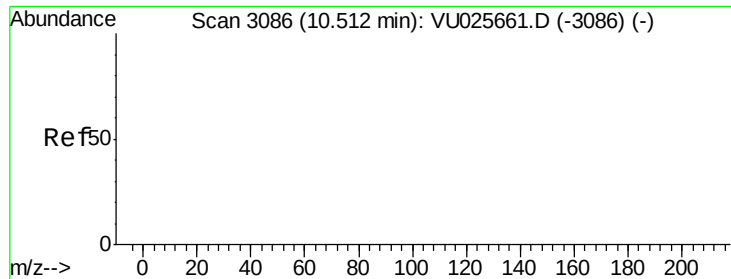
50000

0

10.70 10.75 10.80 10.85

Time-->





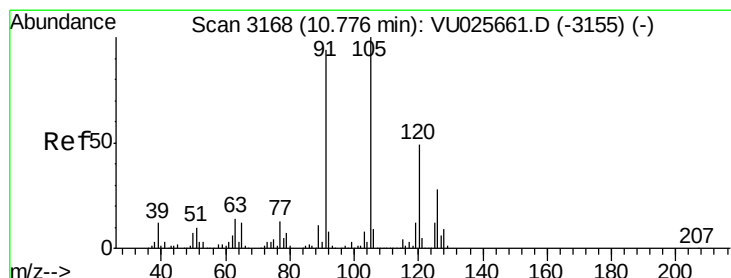
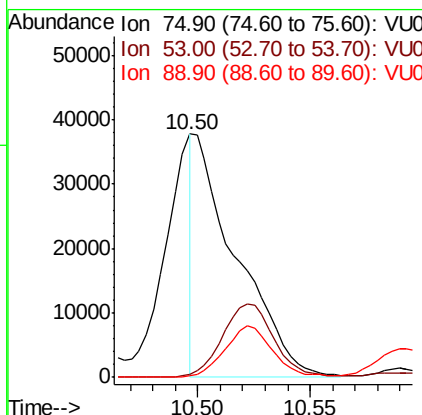
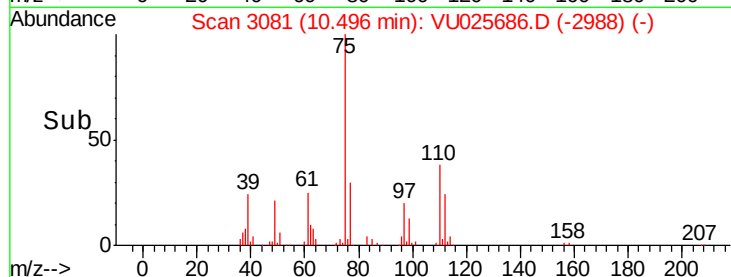
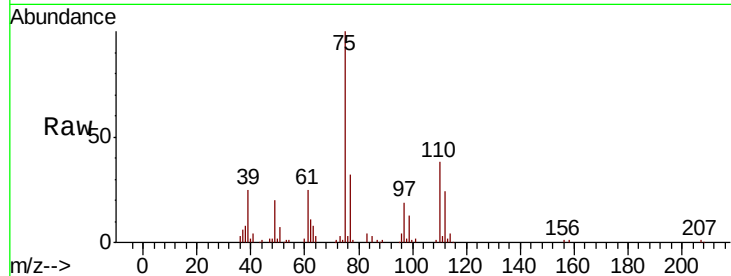
#81
trans-1,4-Dichloro-2-butene
Concen: 36.24 ug/l m
RT: 10.50 min Scan# 3081
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

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

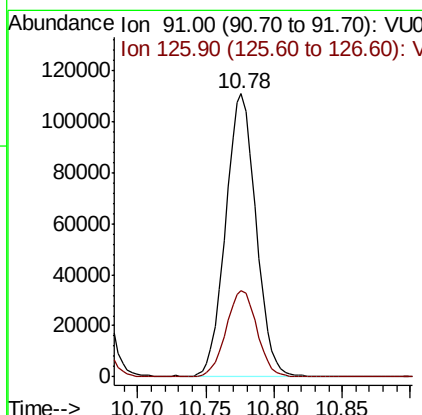
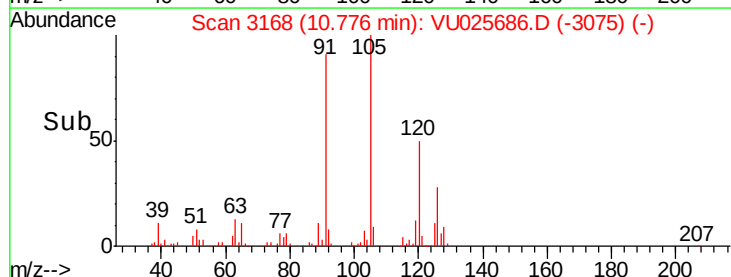
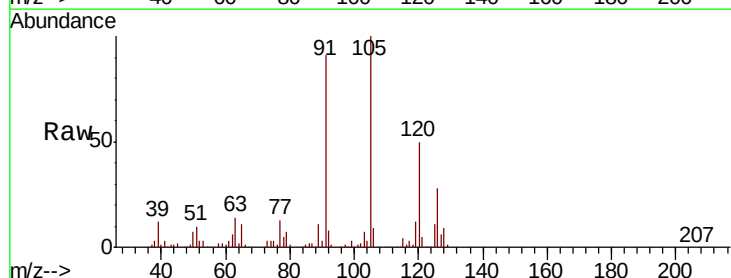
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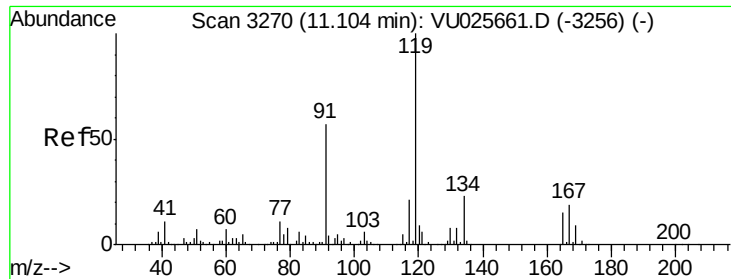
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.97 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.3	45.9





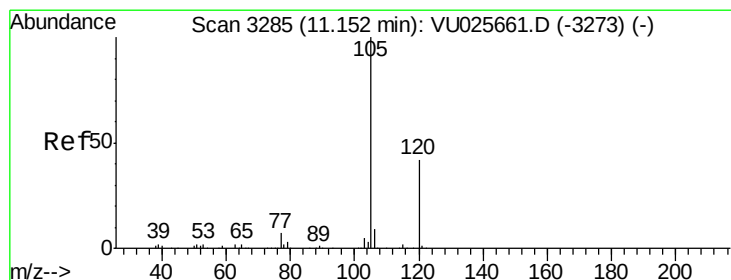
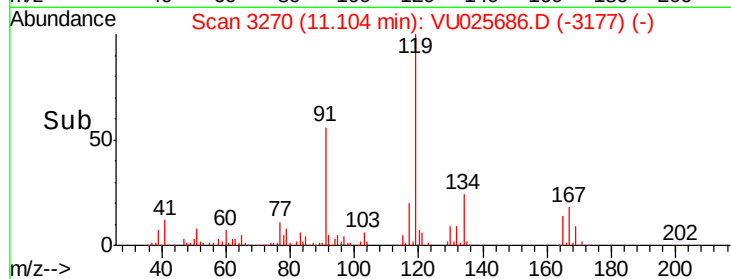
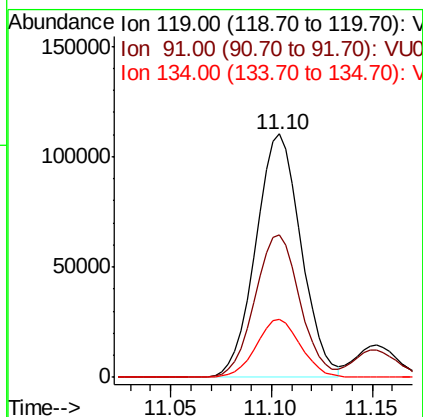
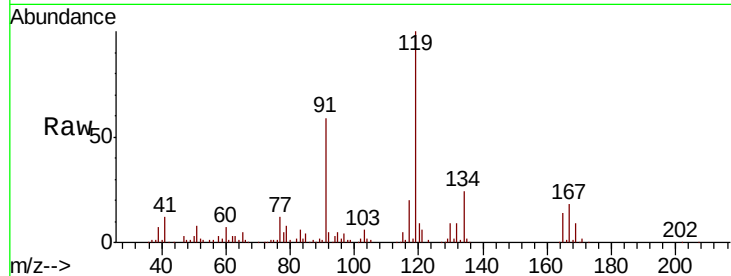
#83
 tert-Butylbenzene
 Concen: 19.16 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.6	29.7	89.1
134	23.5	11.5	34.5

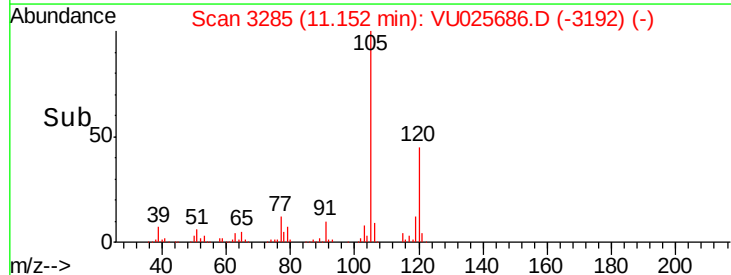
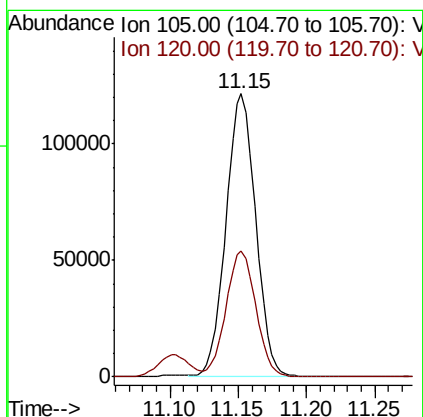
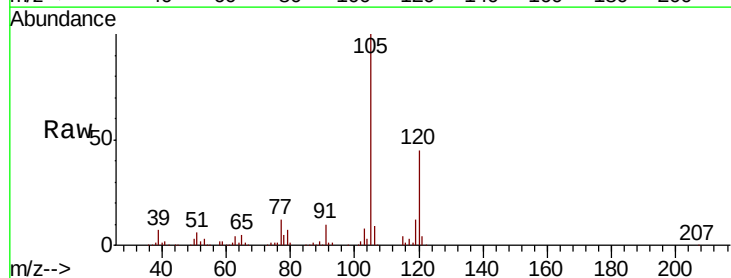
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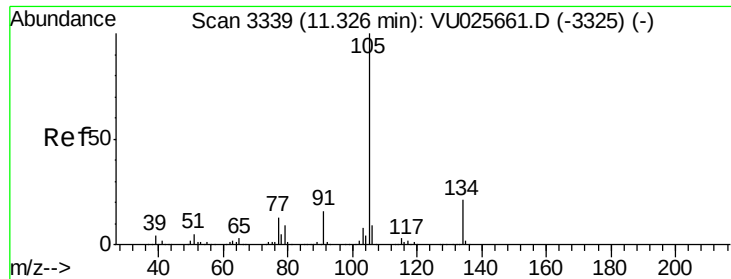
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.08 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.8





#85

sec-Butylbenzene

Concen: 19.65 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

ClientSampleId :

VU0727WBS02

Tot Ion:105 Resp: 216312

Ion Ratio Lower Upper

105 100

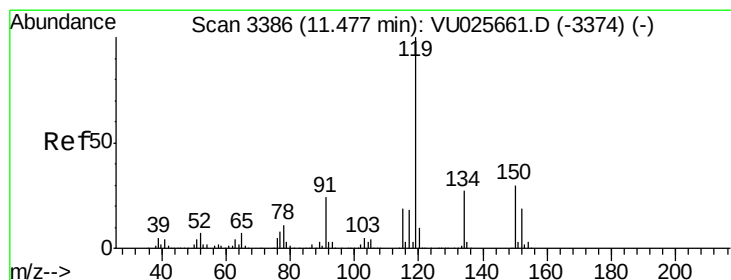
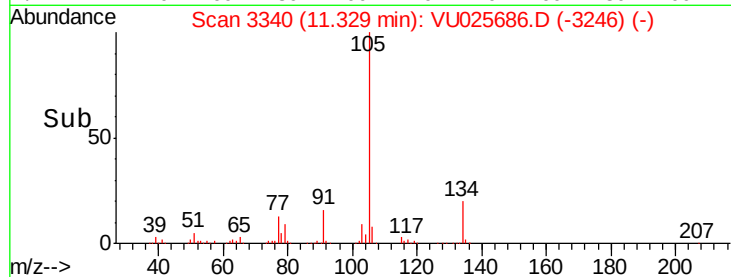
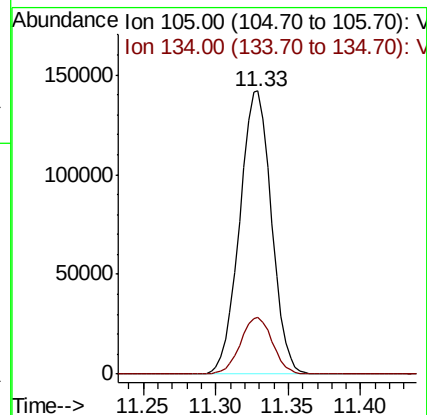
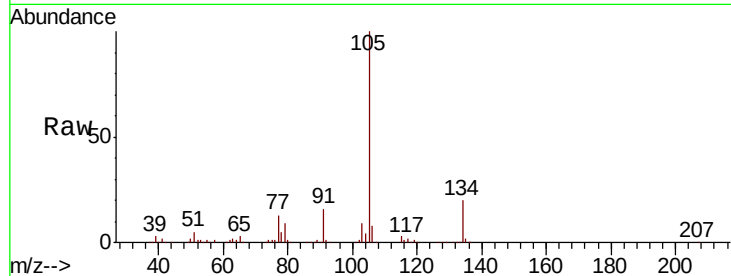
134 20.2 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.57 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

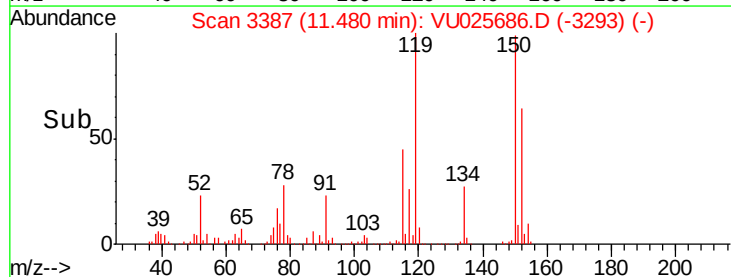
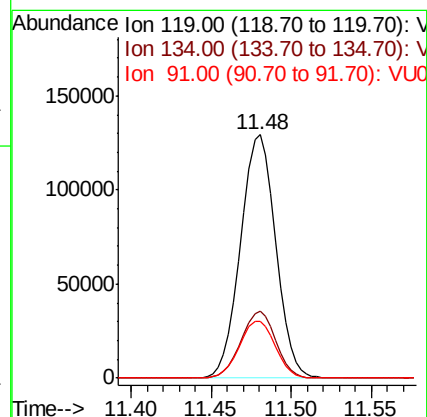
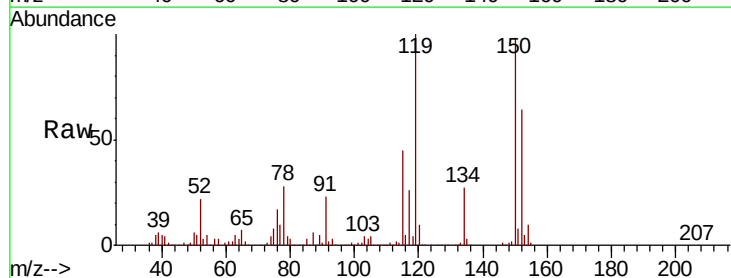
Tgt Ion:119 Resp: 192892

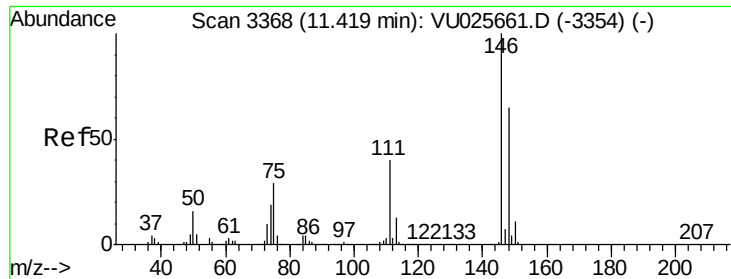
Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.5

91 24.1 12.0 36.1





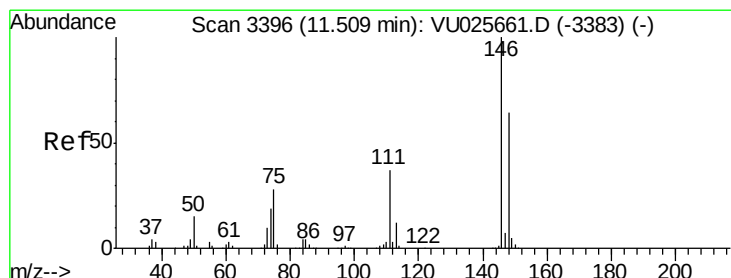
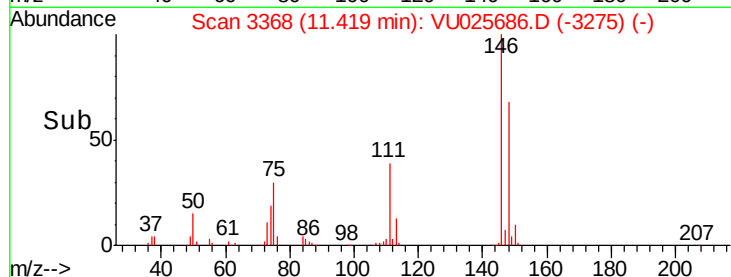
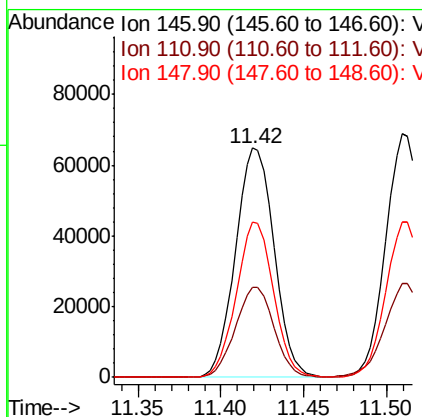
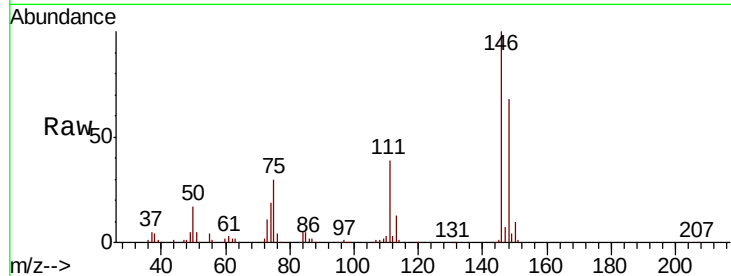
#87
 1,3-Dichlorobenzene
 Concen: 19.23 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	65.1	32.1	96.3

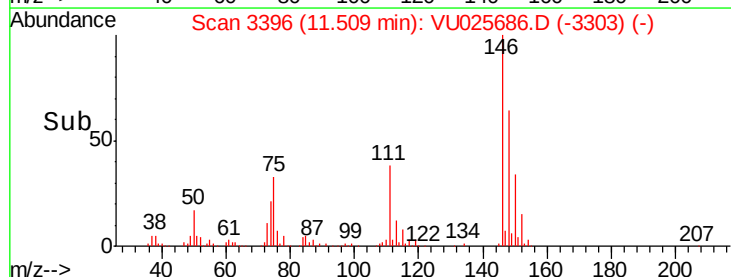
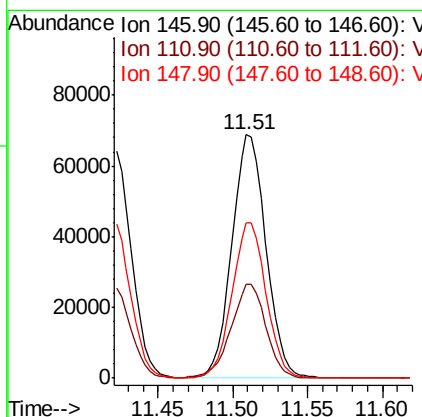
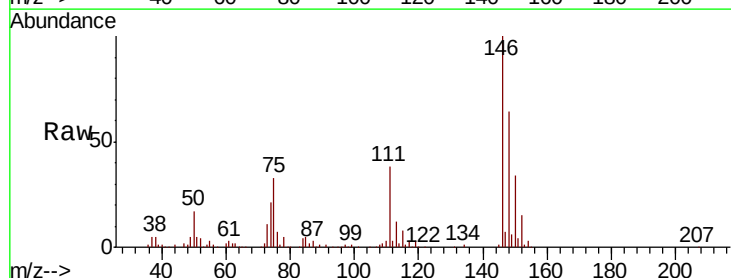
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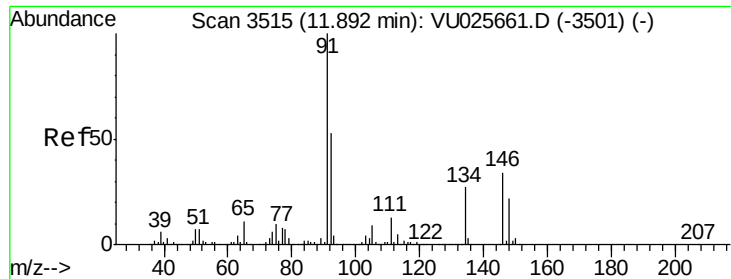
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#88
 1,4-Dichlorobenzene
 Concen: 19.06 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.4	58.1
148	64.3	31.7	95.1





#89

n-Butylbenzene

Concen: 19.21 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Instrument :

MSVOA_U

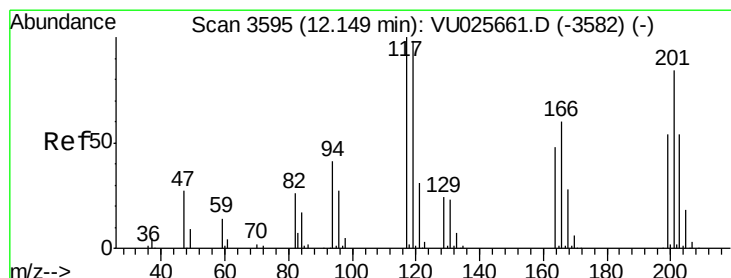
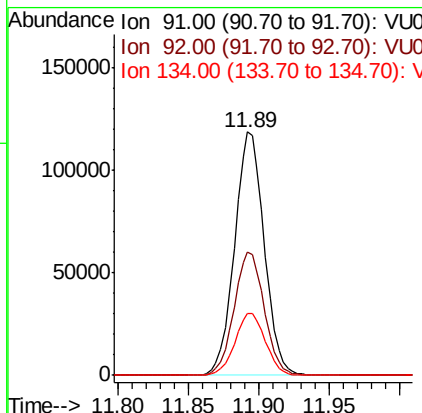
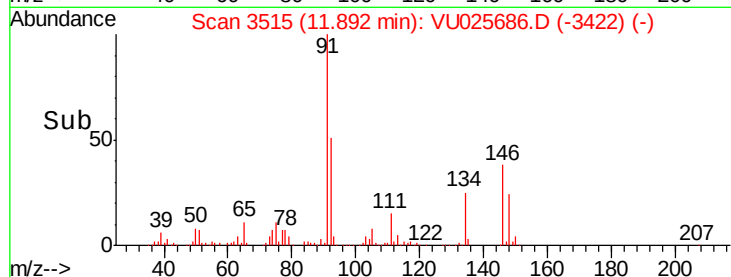
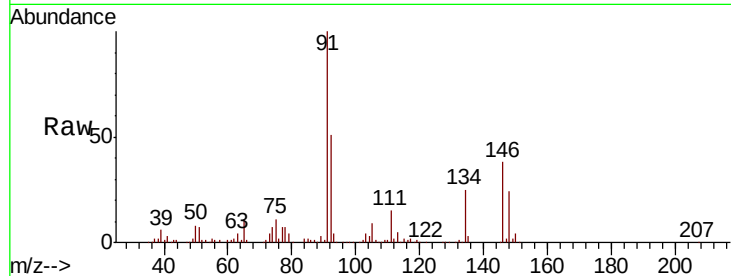
ClientSampleId :

VU0727WBS02

Tot Ion:	91	Resp:	174719
Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.5	79.5
134	25.9	13.6	40.7

Manual Integrations
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#90

Hexachloroethane

Concen: 18.25 ug/l

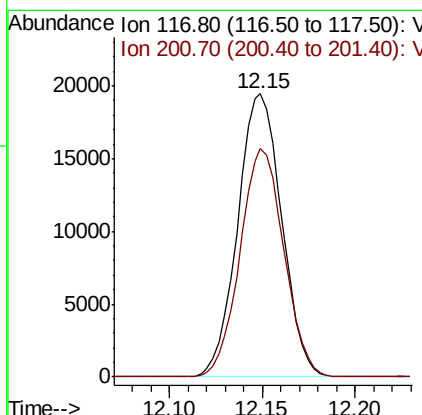
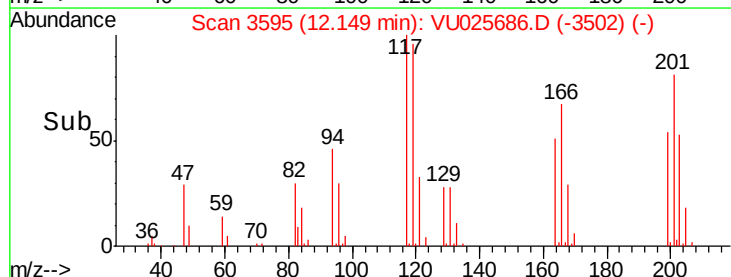
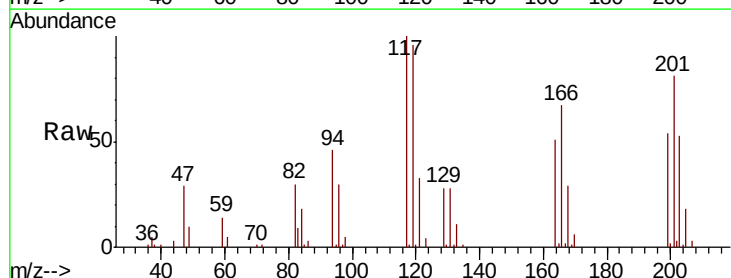
RT: 12.15 min Scan# 3595

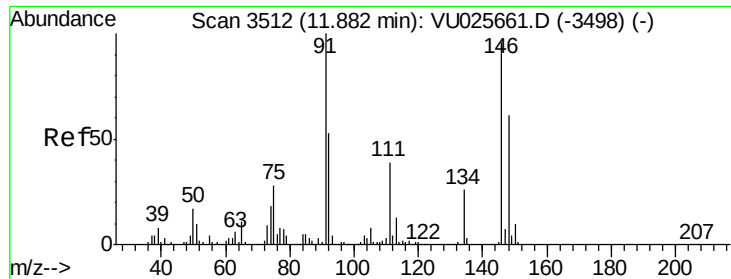
Delta R.T. 0.00 min

Lab File: VU025686.D

Acq: 27 Jul 2018 22:44

Tgt Ion:	117	Resp:	31985
Ion	Ratio	Lower	Upper
117	100		
201	80.4	42.5	127.6





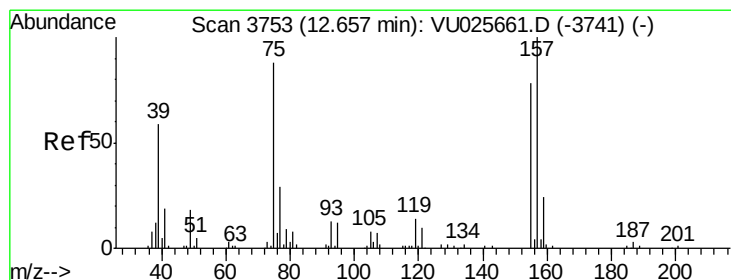
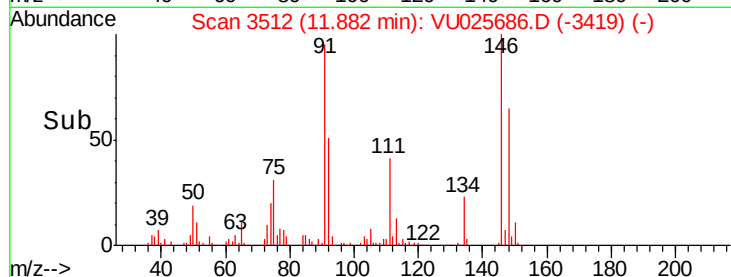
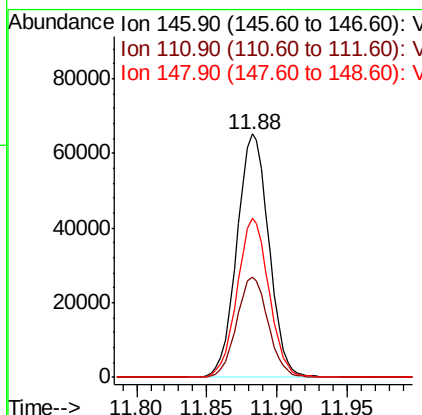
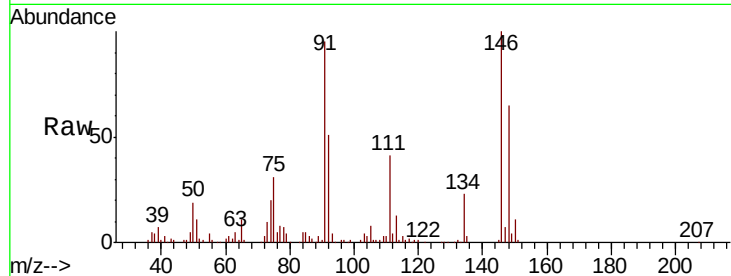
#91
 1,2-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.9	31.5	94.5

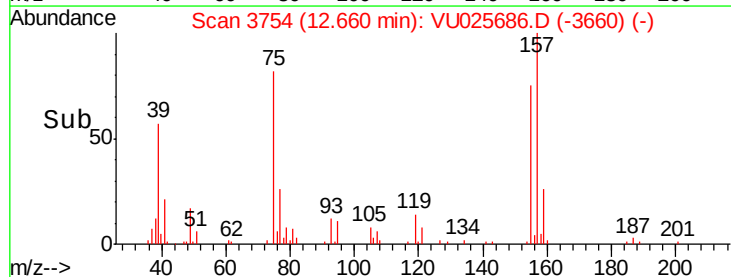
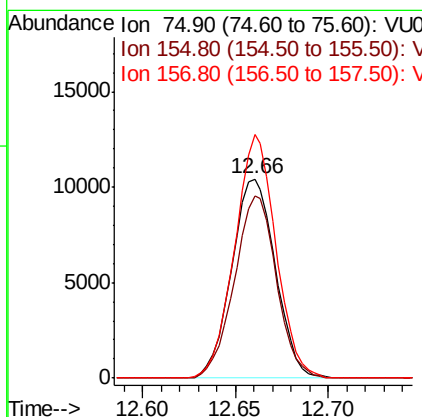
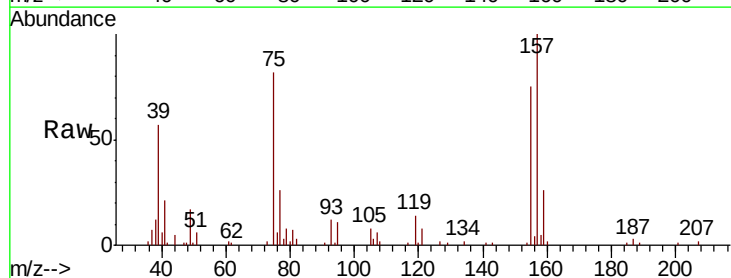
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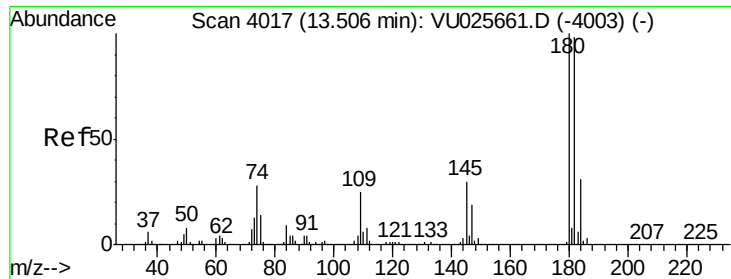
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.41 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	44.5	133.3
157	115.4	57.0	170.8





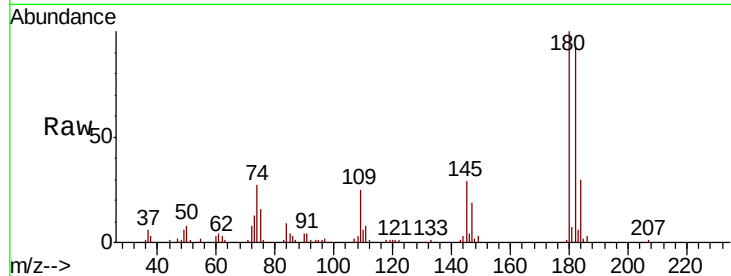
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0727WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.9
145	29.4	14.9	44.7

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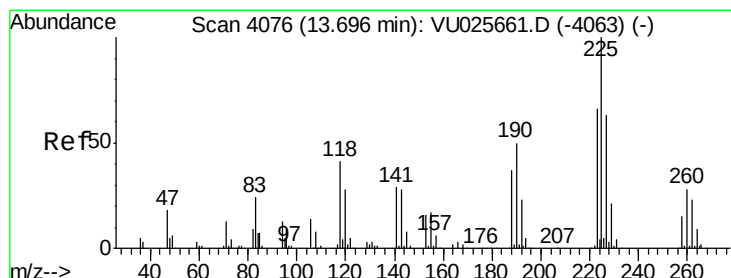
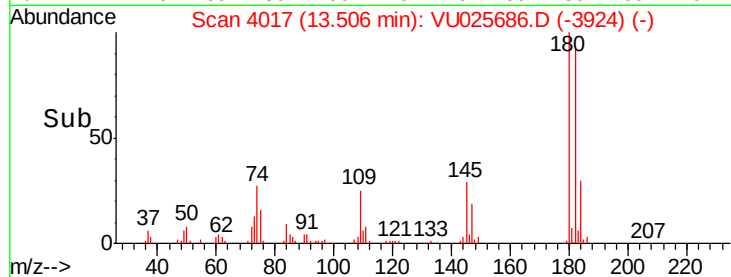
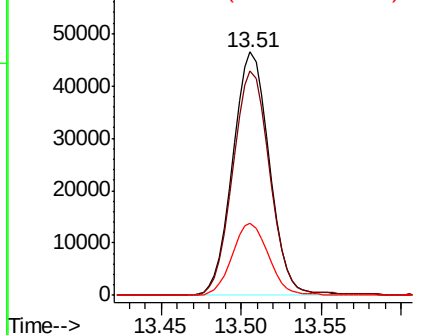


Abundance

Ion 179.80 (179.50 to 180.50): V

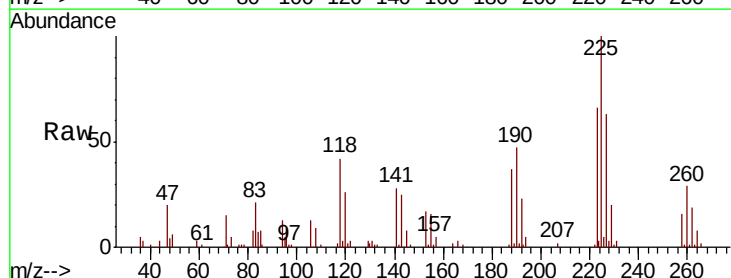
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.95 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025686.D
 Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.9	95.7
227	63.0	32.3	96.9

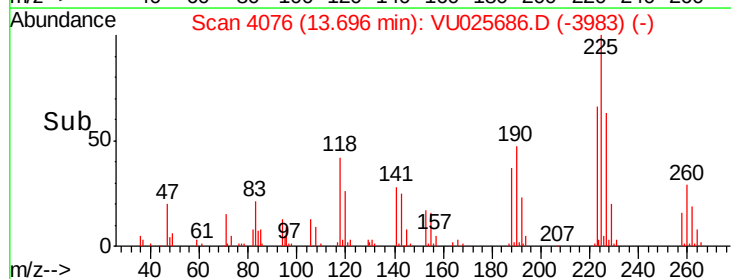
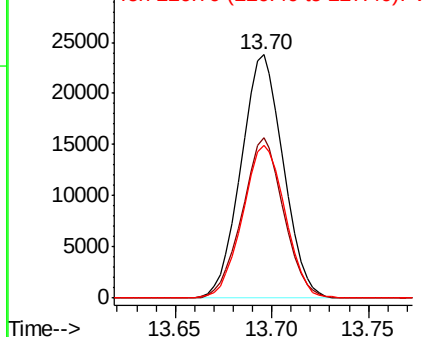


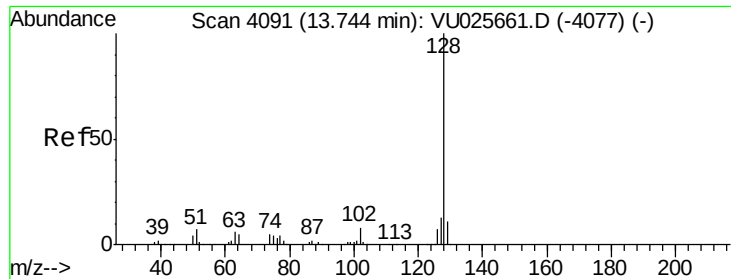
Abundance

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





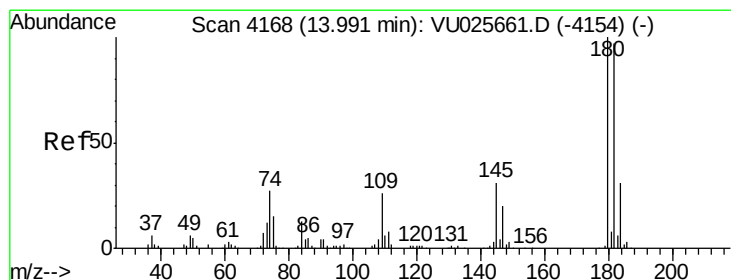
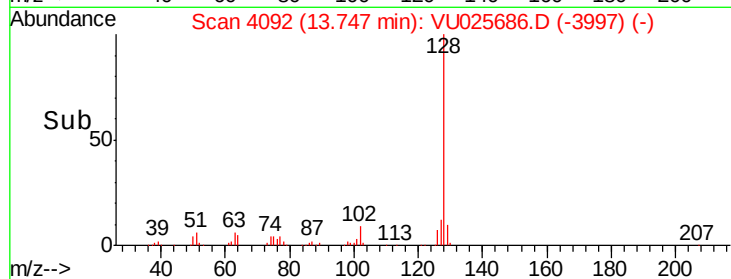
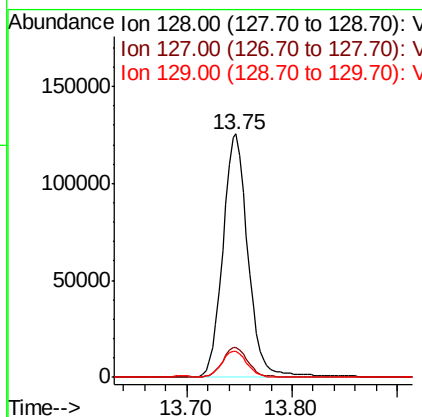
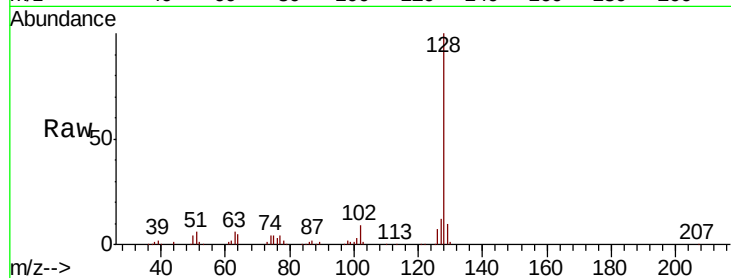
#95
Naphthalene
Concen: 18.60 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Instrument :
MSVOA_U
ClientSampleId :
VU0727WBS02

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

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:49:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.85 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025686.D
Acq: 27 Jul 2018 22:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.8	143.3
145	31.3	15.6	46.8

