

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062318\
 Data File : VU024861.D
 Acq On : 23 Jun 2018 03:06
 Operator : MD/SY
 Sample : J3592-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Manual Integrations
 APPROVED

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 6/26/2018 11:59:50 AM

Quant Time: Jun 23 04:56:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	175156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267126	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	124801	43.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.28%	
35) Dibromofluoromethane	4.89	113	100298	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	7.57	98	347643	42.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.98%	
62) 4-Bromofluorobenzene	10.31	95	137615	42.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	93993	42.87	ug/l	98
3) Chloromethane	1.33	50	94223	42.07	ug/l	98
4) Vinyl Chloride	1.40	62	328660	142.28	ug/l	99
5) Bromomethane	1.62	94	57664	51.64	ug/l	98
6) Chloroethane	1.70	64	68800	53.37	ug/l	98
7) Trichlorofluoromethane	1.89	101	168876	47.91	ug/l	99
8) Diethyl Ether	2.10	74	63061	52.67	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	94718	43.31	ug/l	97
10) Methyl Iodide	2.41	142	102164	54.65	ug/l	99
11) Tert butyl alcohol	2.83	59	169383	243.56	ug/l	99
12) 1,1-Dichloroethene	2.29	96	88545	44.40	ug/l	94
13) Acrolein	2.20	56	47099	128.97	ug/l	99
14) Allyl chloride	2.60	41	164594	44.45	ug/l	# 83
15) Acrylonitrile	2.94	53	317407	234.58	ug/l	99
16) Acetone	2.32	43	305523	198.86	ug/l	100
17) Carbon Disulfide	2.48	76	251723	39.42	ug/l	99
18) Methyl Acetate	2.62	43	166216	50.46	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	350812	46.79	ug/l	98
20) Methylene Chloride	2.71	84	102460	42.50	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	115716	52.68	ug/l	97
22) Diisopropyl ether	3.57	45	343834	46.84	ug/l	94
23) Vinyl Acetate	3.53	43	1430079	217.47	ug/l	98
24) 1,1-Dichloroethane	3.45	63	195418	46.28	ug/l	100
25) 2-Butanone	4.26	43	482333	233.72	ug/l	97
26) 2,2-Dichloropropane	4.23	77	152565	38.05	ug/l	84
27) cis-1,2-Dichloroethene	4.23	96	469836	186.05	ug/l	90
28) Bromochloromethane	4.55	49	86430	46.47	ug/l	90
29) Tetrahydrofuran	4.64	42	306070	239.49	ug/l	97
30) Chloroform	4.68	83	208071	48.68	ug/l	100
31) Cyclohexane	5.00	56	173052	45.99	ug/l	93
32) 1,1,1-Trichloroethane	4.92	97	187138	47.35	ug/l	96
36) 1,1-Dichloropropene	5.14	75	143313	45.66	ug/l	97
37) Ethyl Acetate	4.38	43	165158	48.27	ug/l	98
38) Carbon Tetrachloride	5.14	117	170276	49.33	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	176581	45.08	ug/l	96
40) Benzene	5.39	78	427793	47.83	ug/l	99
41) Methacrylonitrile	4.54	41	95842	51.96	ug/l	98
42) 1,2-Dichloroethane	5.41	62	175531	51.53	ug/l	99
43) Isopropyl Acetate	5.55	43	276124	46.69	ug/l	99
44) Trichloroethene	6.19	130	166098	65.25	ug/l	95
45) 1,2-Dichloropropane	6.44	63	117677	49.31	ug/l	100
46) Dibromomethane	6.56	93	84687	50.52	ug/l	96
47) Bromodichloromethane	6.76	83	162483	48.68	ug/l	99
48) Methyl methacrylate	6.63	41	141624	49.18	ug/l	98
49) 1,4-Dioxane	6.63	88	76130	1351.86	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	953713	256.70	ug/l	99
52) Toluene	7.64	92	274202	47.65	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	171195	45.67	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	177819	44.52	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116631	49.86	ug/l	98
56) Ethyl methacrylate	8.02	69	189151	48.31	ug/l	98
57) 1,3-Dichloropropane	8.25	76	197641	50.09	ug/l	98
59) 2-Hexanone	8.36	43	768039	253.21	ug/l	100
60) Dibromochloromethane	8.48	129	136680	46.86	ug/l	100
61) 1,2-Dibromoethane	8.59	107	129053	49.57	ug/l	98
64) Tetrachloroethene	8.23	164	102596	42.12	ug/l	98
65) Chlorobenzene	9.12	112	319539	48.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	121945	49.03	ug/l	99
67) Ethyl Benzene	9.25	91	548941	47.83	ug/l	98
68) m/p-Xylenes	9.38	106	424368	96.30	ug/l	97
69) o-Xylene	9.78	106	211352	48.46	ug/l	97
70) Styrene	9.80	104	343849	47.98	ug/l	98
71) Bromoform	9.96	173	108131	45.74	ug/l #	100
73) Isopropylbenzene	10.17	105	578798	48.48	ug/l	99
74) N-amyl acetate	10.01	43	257257	45.31	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	200428	50.10	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	186767m	54.56	ug/l	
77) Bromobenzene	10.45	156	146134	48.35	ug/l	95
78) n-propylbenzene	10.59	91	658272	46.81	ug/l	97
79) 2-Chlorotoluene	10.66	91	392276	47.30	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	492641	47.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	58945m	39.85	ug/l	
82) 4-Chlorotoluene	10.78	91	456277	47.27	ug/l	100
83) tert-Butylbenzene	11.10	119	501013	50.34	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	508991	48.27	ug/l	99
85) sec-Butylbenzene	11.33	105	605218	48.58	ug/l	97
86) p-Isopropyltoluene	11.48	119	532755	47.75	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	267904	47.98	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	267425	47.59	ug/l	100
89) n-Butylbenzene	11.89	91	451652	45.59	ug/l	96
90) Hexachloroethane	12.15	117	97300	44.70	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	279517	49.98	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	55458	50.24	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	190275	55.10	ug/l	99

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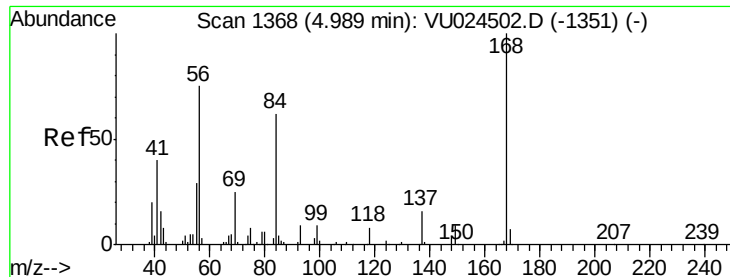
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	96721	49.76	ug/l	99
95) Naphthalene	13.74	128	653430	57.06	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	202834	58.94	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: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion:168 Resp: 175156

Ion Ratio Lower Upper

168 100

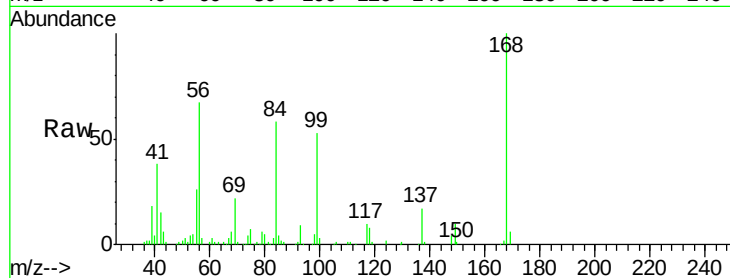
99 52.9 43.2 64.8

Manual Integrations

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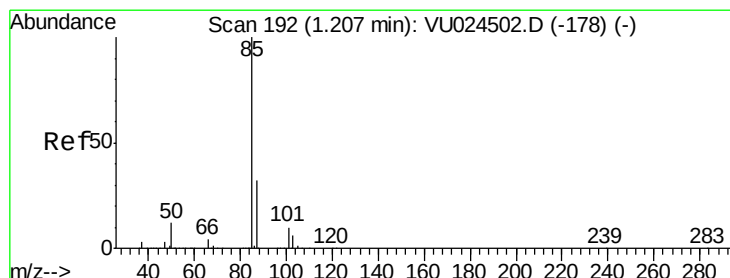
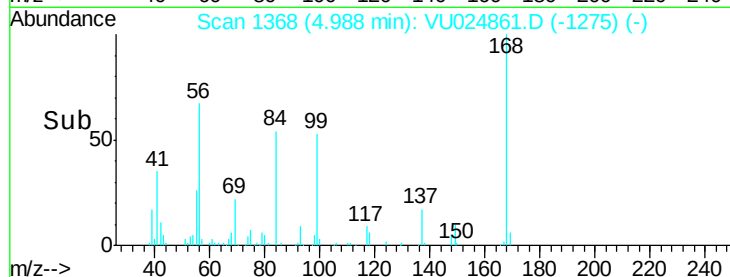
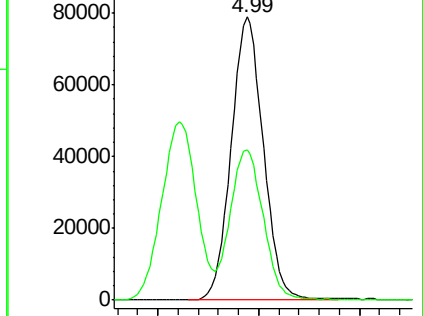
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 42.87 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024861.D

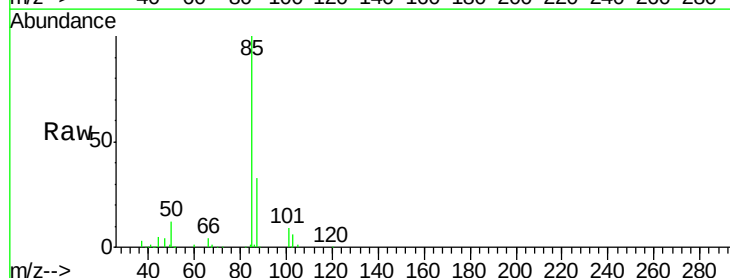
Acq: 23 Jun 2018 03:06

Tgt Ion: 85 Resp: 93993

Ion Ratio Lower Upper

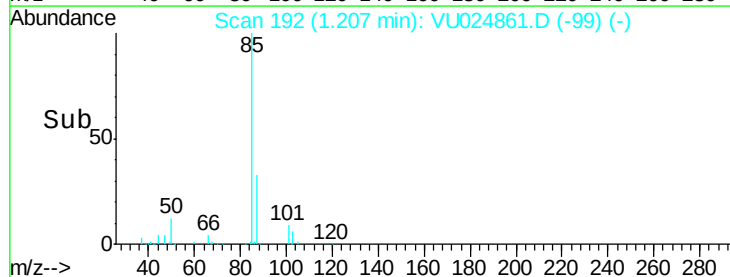
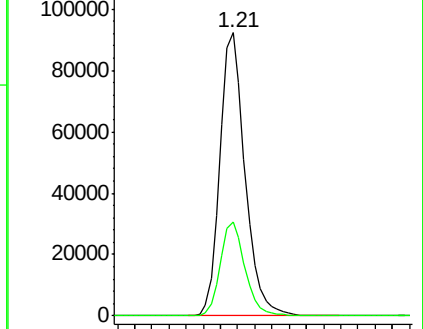
85 100

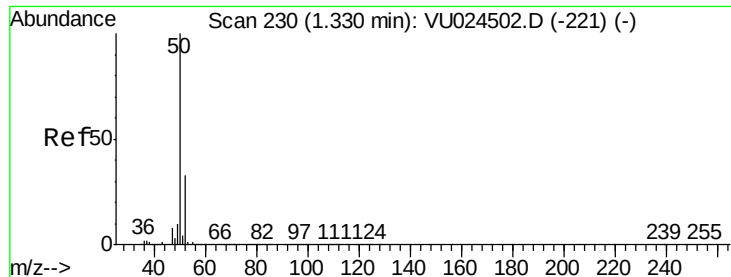
87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 42.07 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 50 Resp: 94223

Ion Ratio Lower Upper

50 100

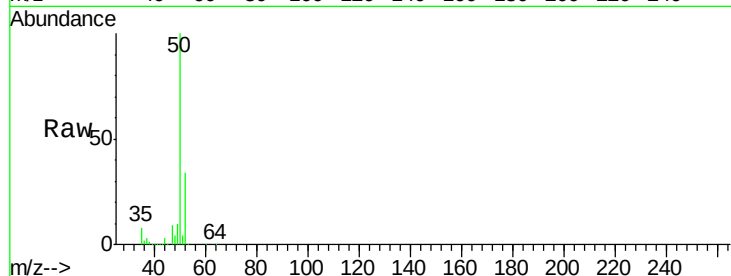
52 34.1 26.4 39.6

Manual Integrations

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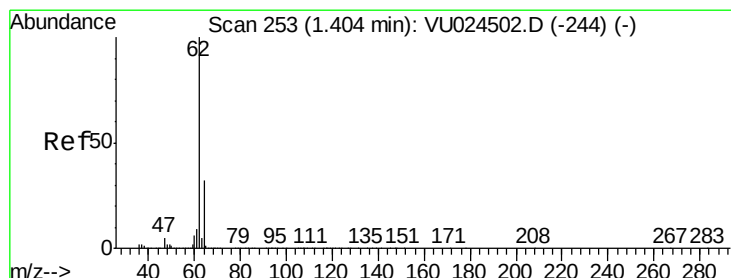
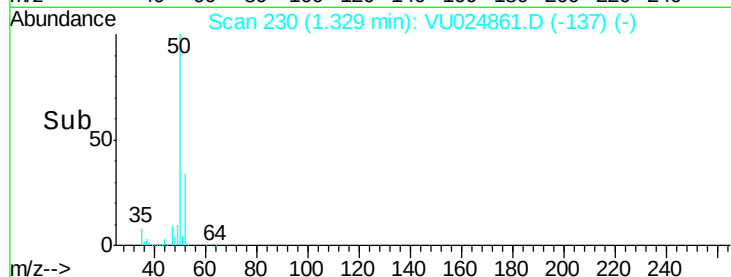
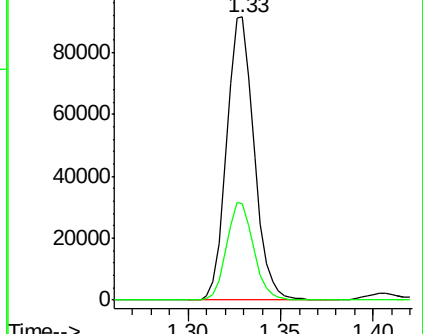
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 142.28 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024861.D

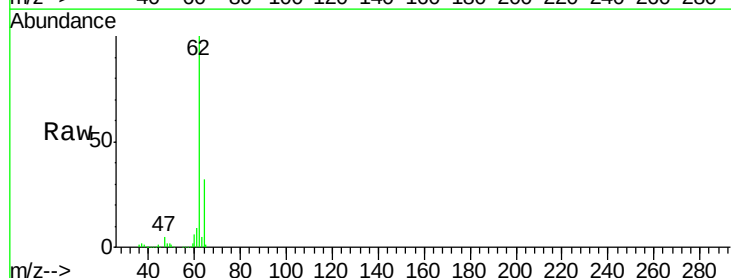
Acq: 23 Jun 2018 03:06

Tgt Ion: 62 Resp: 328660

Ion Ratio Lower Upper

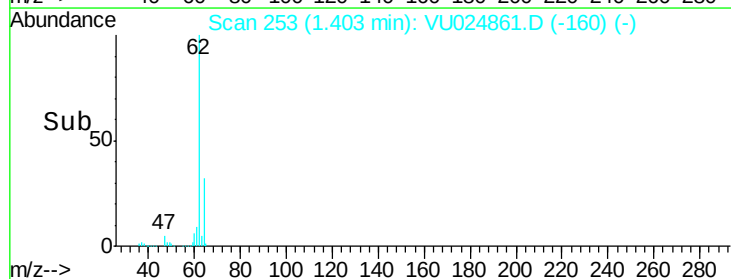
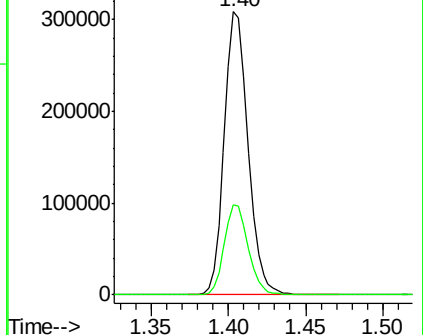
62 100

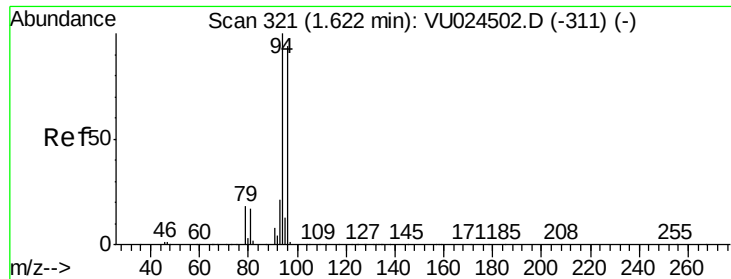
64 31.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 51.64 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 94 Resp: 57664

Ion Ratio Lower Upper

94 100

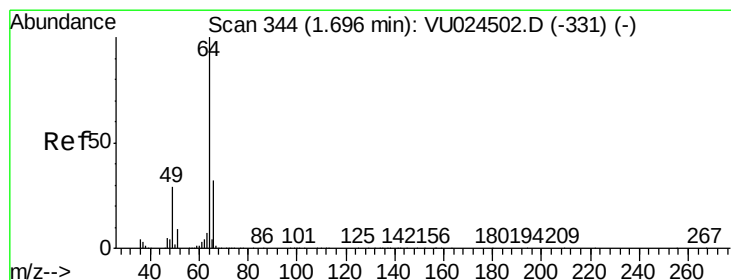
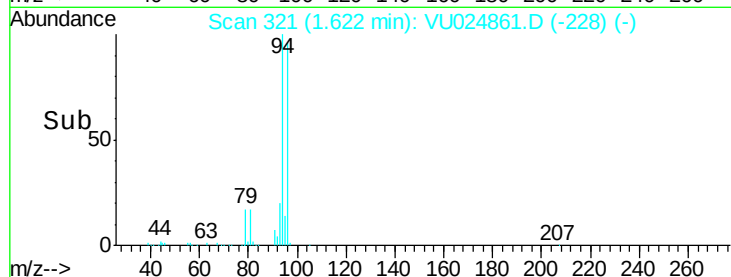
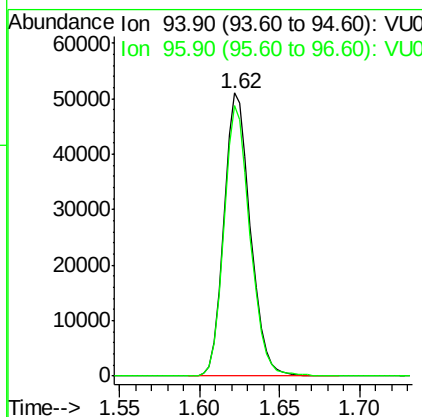
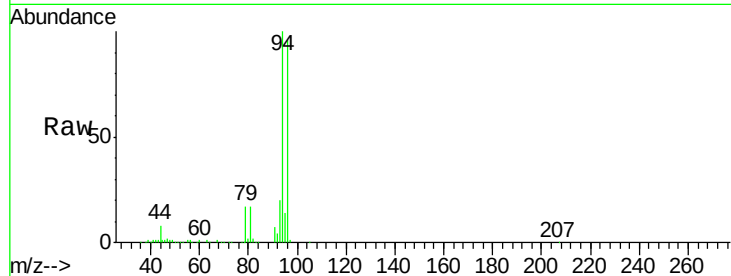
96 95.5 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 53.37 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024861.D

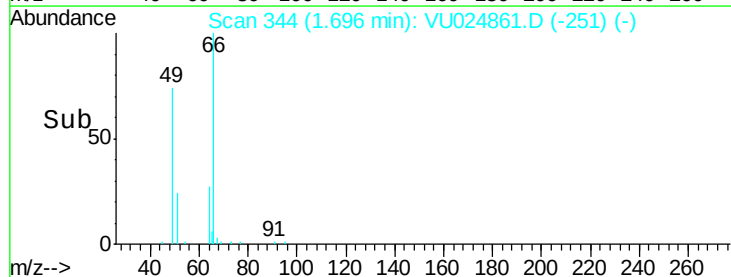
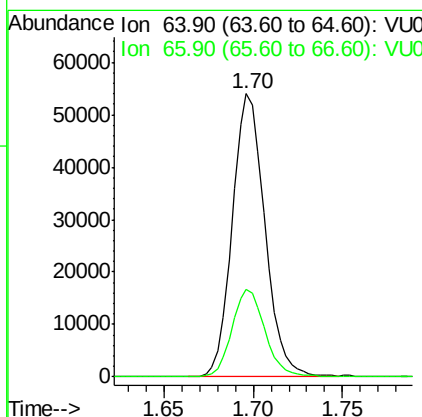
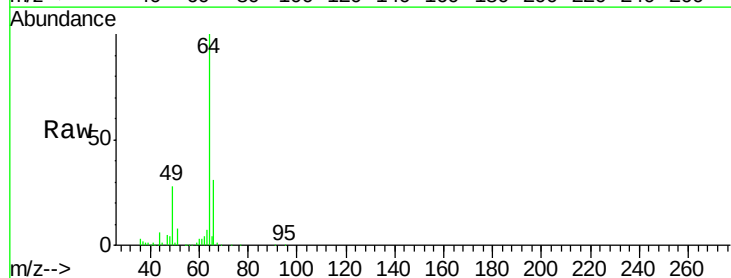
Acq: 23 Jun 2018 03:06

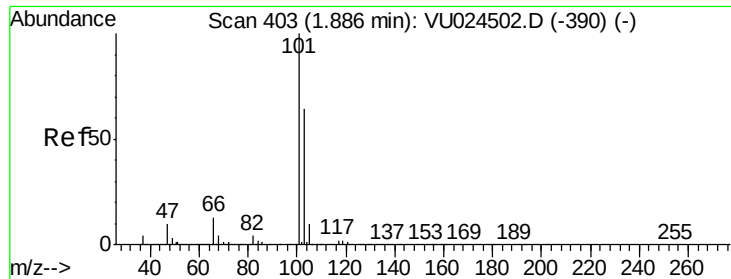
Tgt Ion: 64 Resp: 68800

Ion Ratio Lower Upper

64 100

66 30.9 25.5 38.3





#7

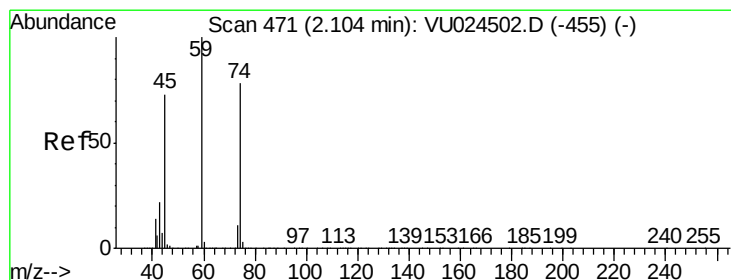
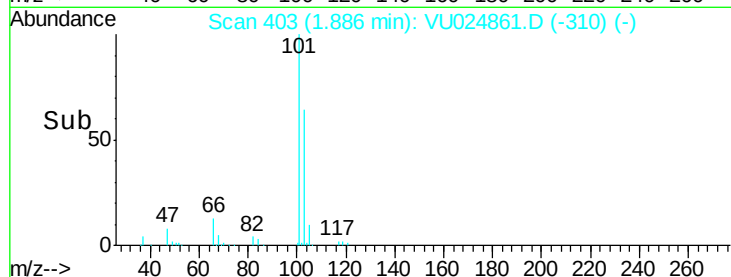
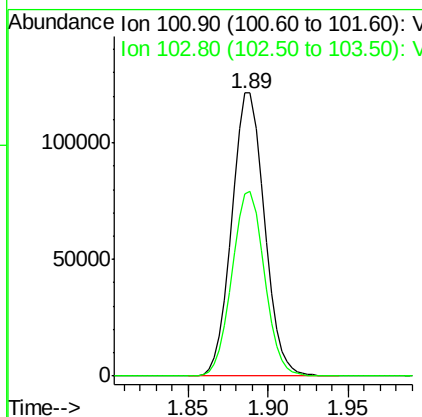
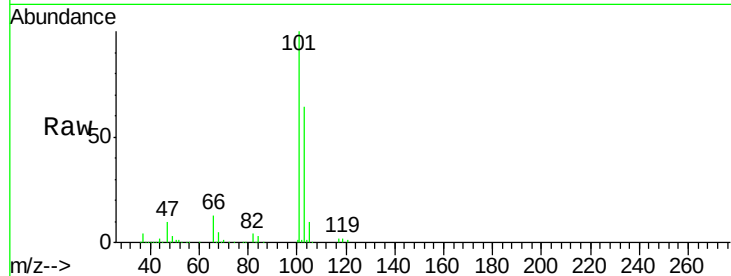
Trichlorofluoromethane
 Concen: 47.91 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampled :
 S32-0627MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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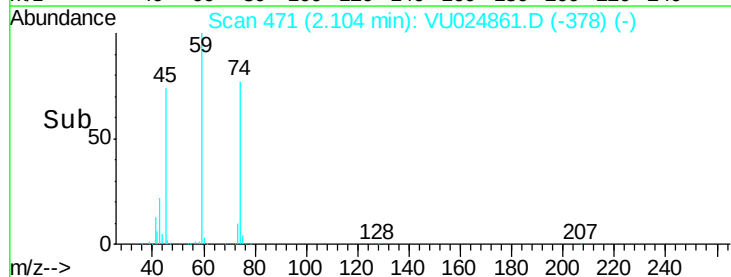
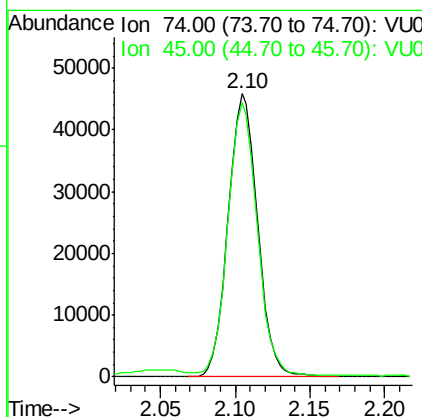
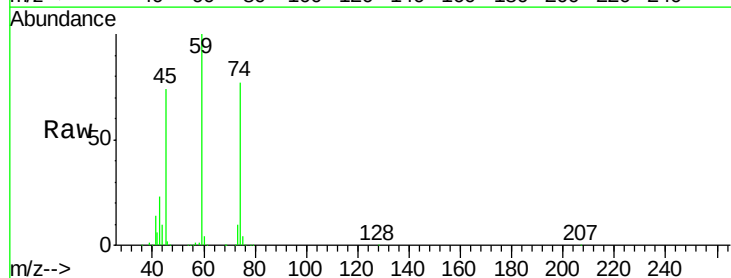
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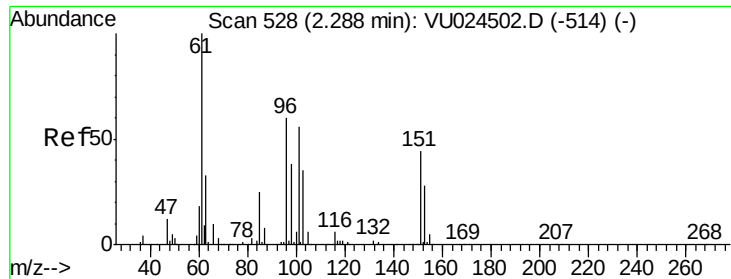


#8

Diethyl Ether
 Concen: 52.67 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.31 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

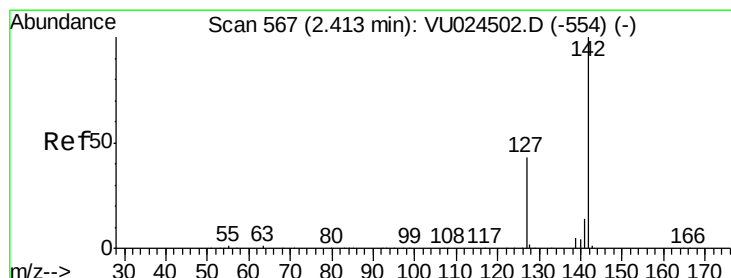
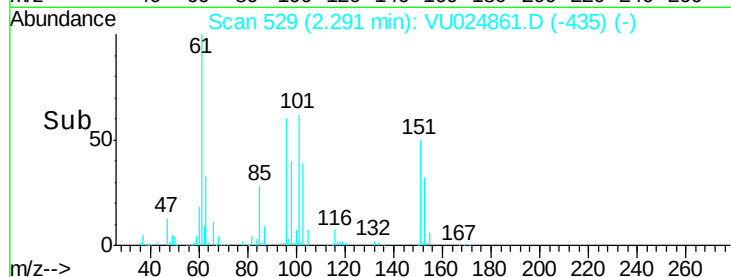
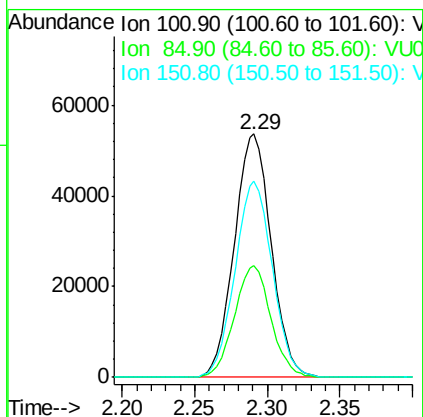
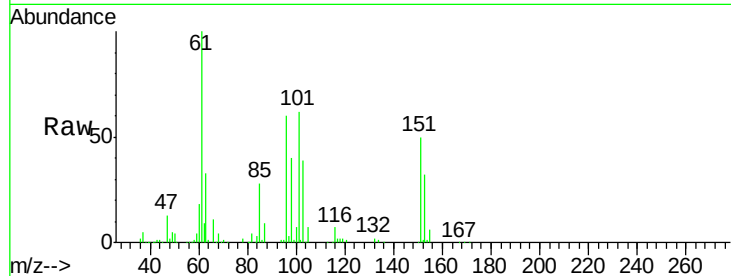
ClientSampleId :

S32-0627MS

Tot Ion:	101	Resp:	94718
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.0	54.0
151	81.8	62.3	93.5

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#10

Methyl Iodide

Concen: 54.65 ug/l

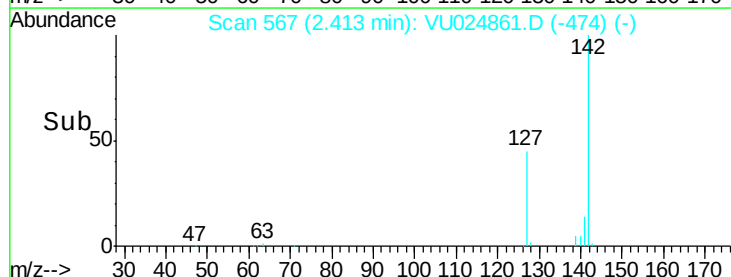
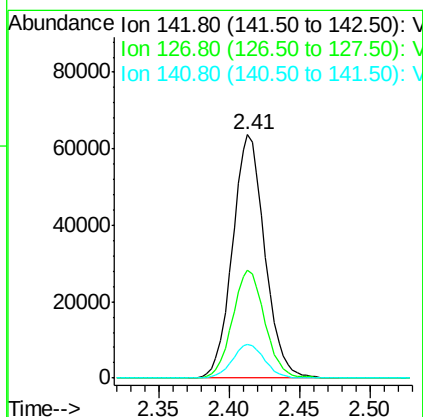
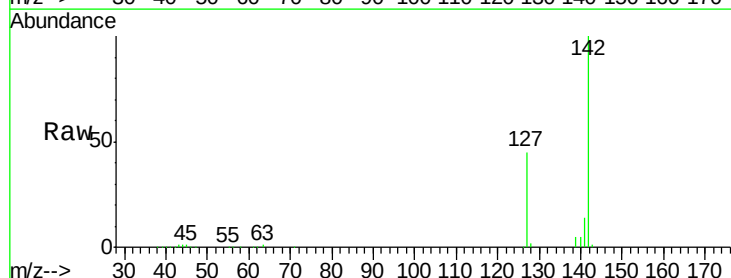
RT: 2.41 min Scan# 567

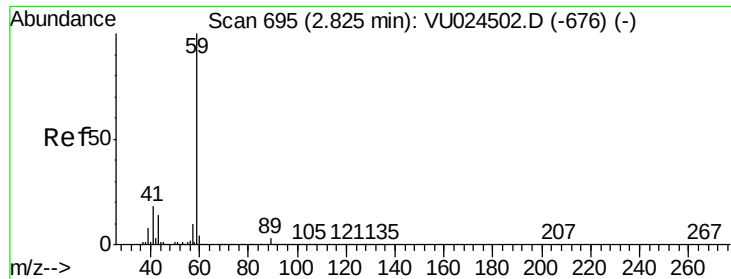
Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	142	Resp:	102164
Ion Ratio	Lower	Upper	
142	100		
127	44.6	35.6	53.4
141	13.8	11.7	17.5





#11

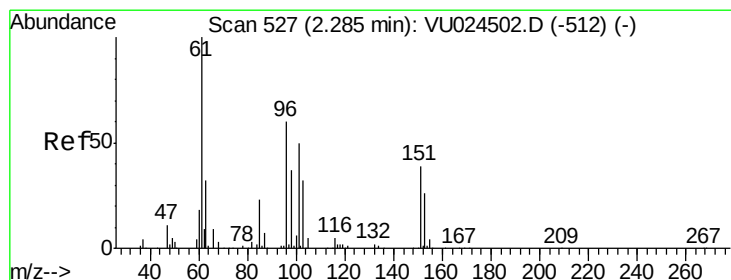
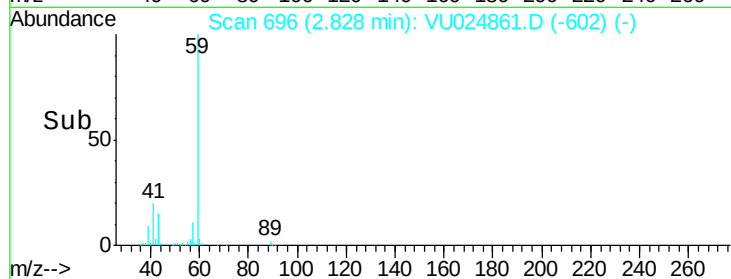
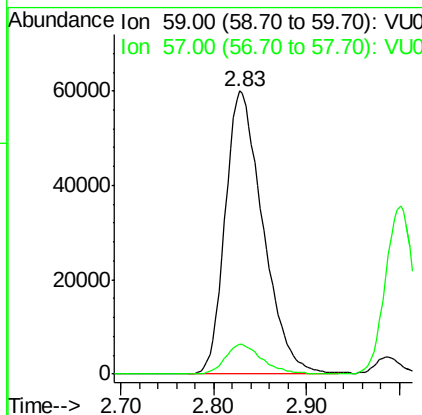
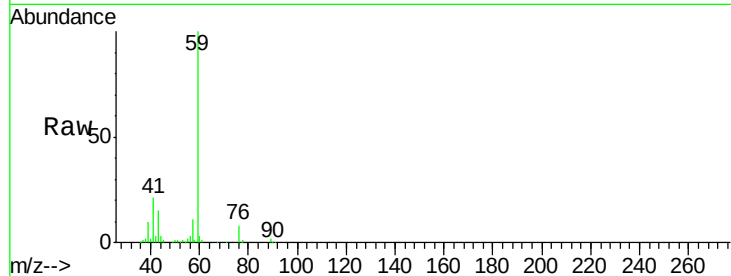
Tert butyl alcohol
 Concen: 243.56 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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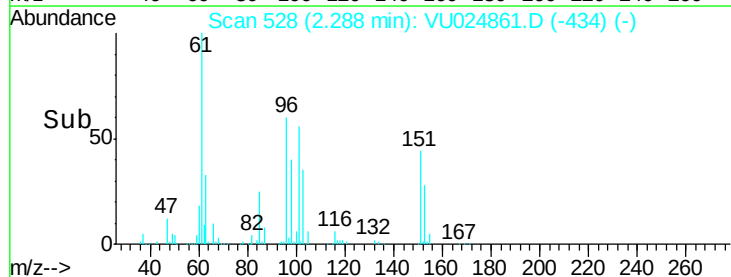
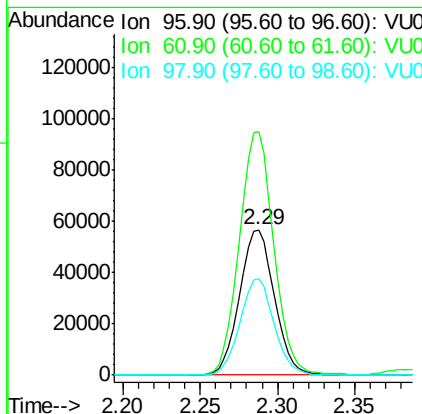
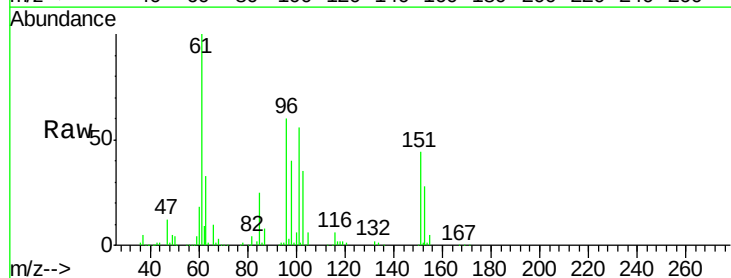
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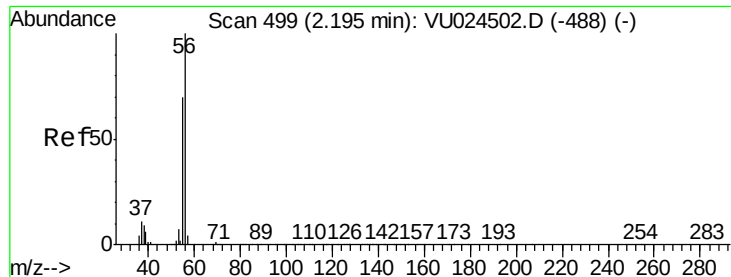


#12

1,1-Dichloroethene
 Concen: 44.40 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.6	141.7	212.5
98	66.4	51.6	77.4





#13

Acrolein

Concen: 128.97 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 56 Resp: 47099

Ion Ratio Lower Upper

56 100

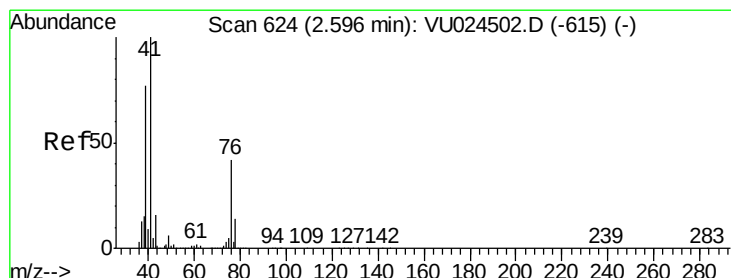
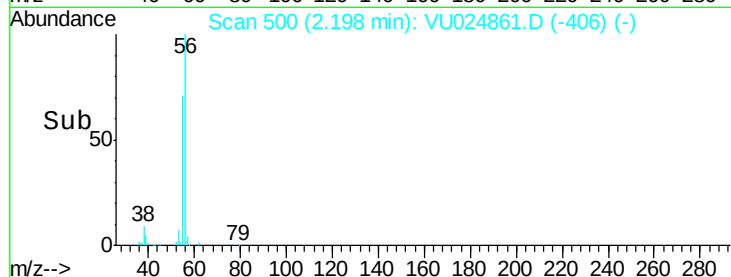
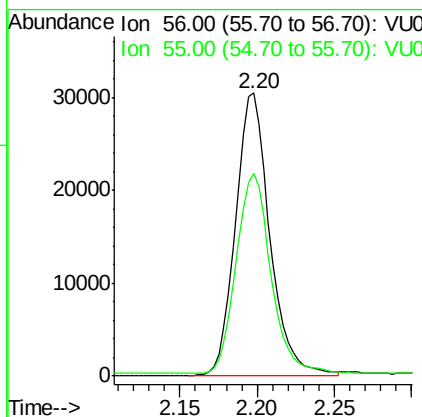
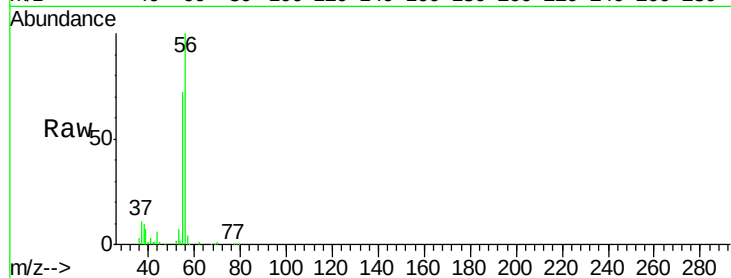
55 72.0 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.45 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

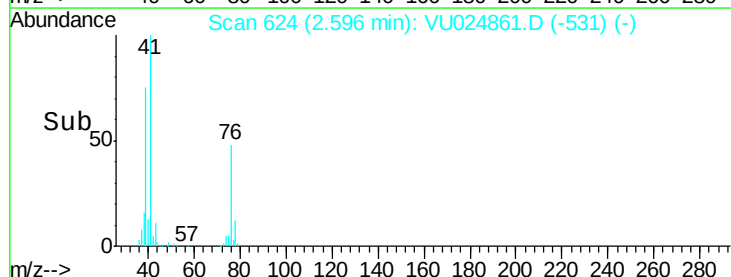
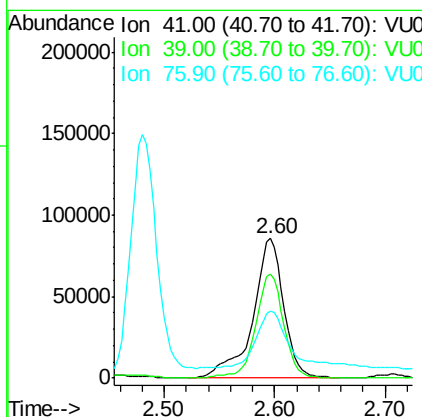
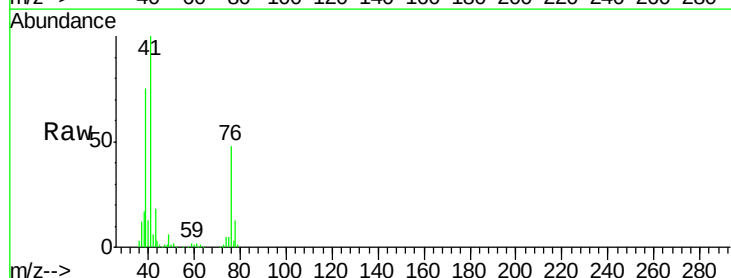
Tgt Ion: 41 Resp: 164594

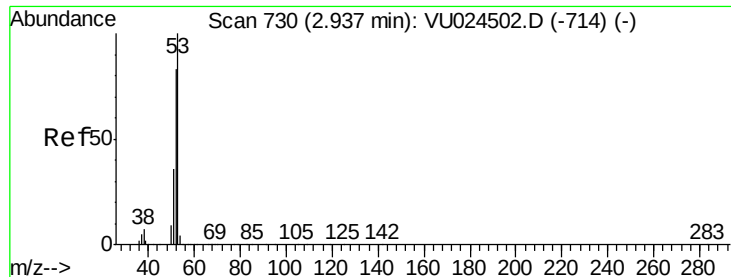
Ion Ratio Lower Upper

41 100

39 67.2 61.6 92.4

76 55.0 29.7 44.5#





#15

Acrylonitrile

Concen: 234.58 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

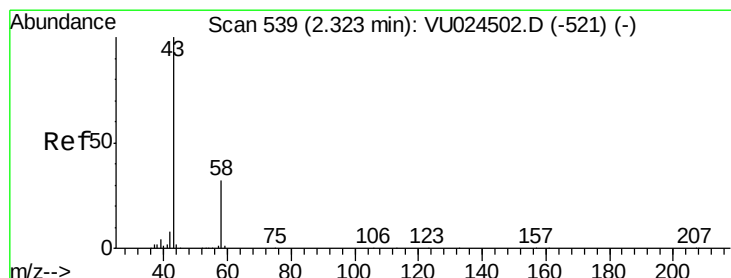
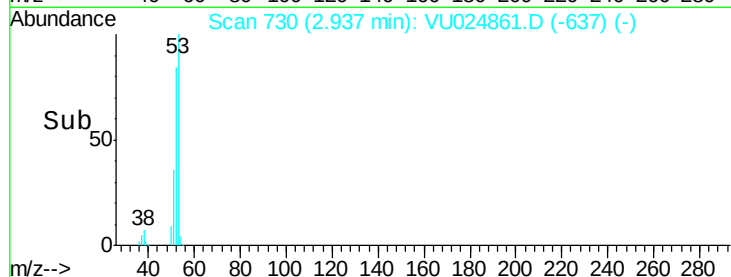
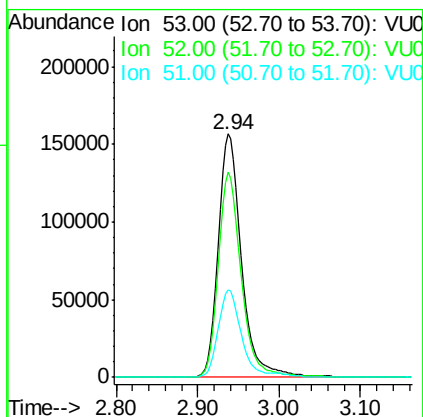
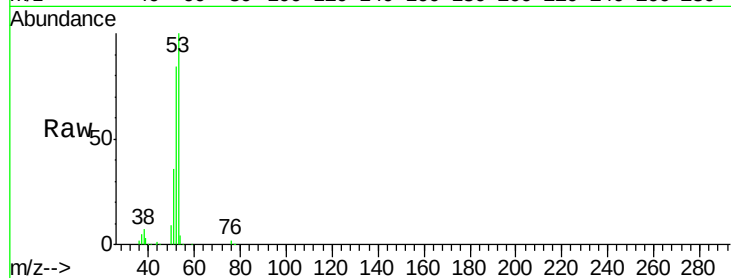
ClientSampleId :

S32-0627MS

Tot Ion:	53	Resp:	317407
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.1	100.7
51	36.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 198.86 ug/l

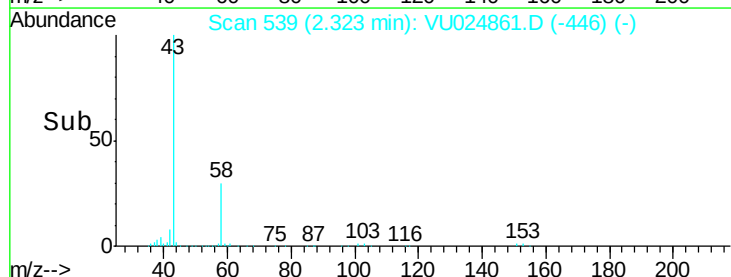
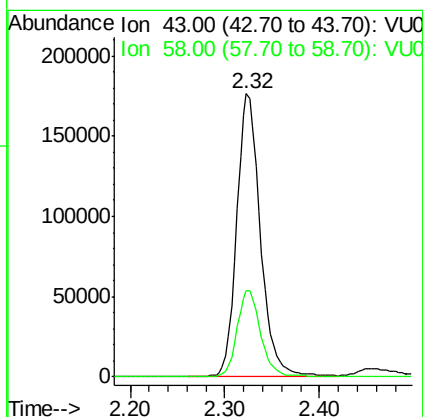
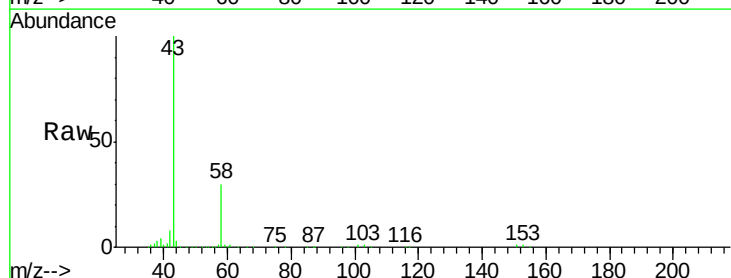
RT: 2.32 min Scan# 539

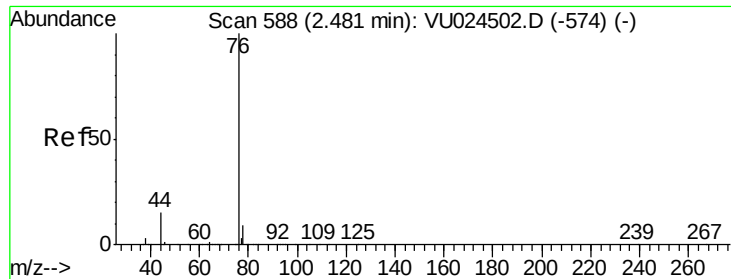
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	43	Resp:	305523
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.4	36.6





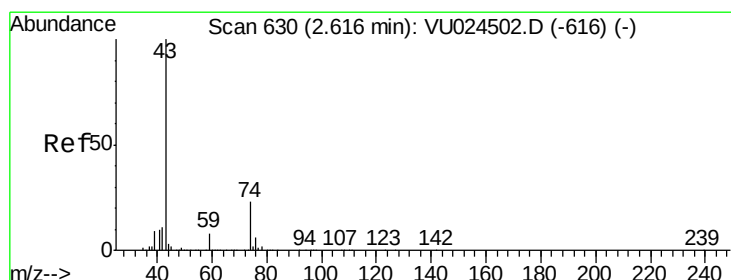
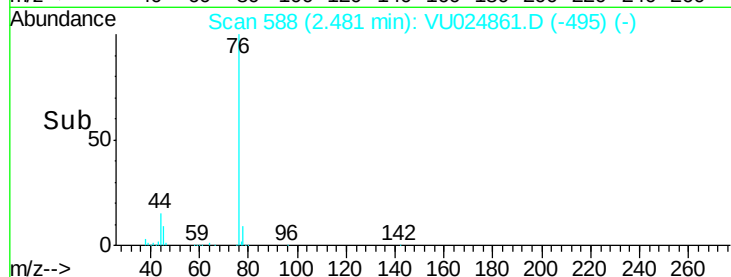
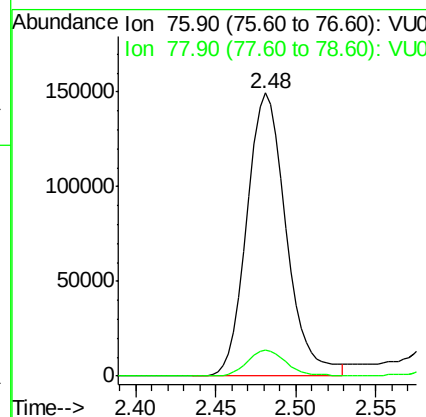
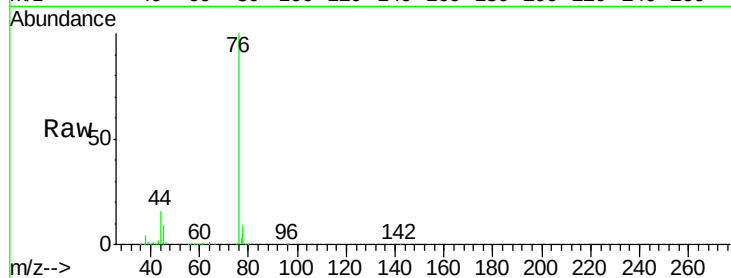
#17
Carbon Disulfide
Concen: 39.42 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

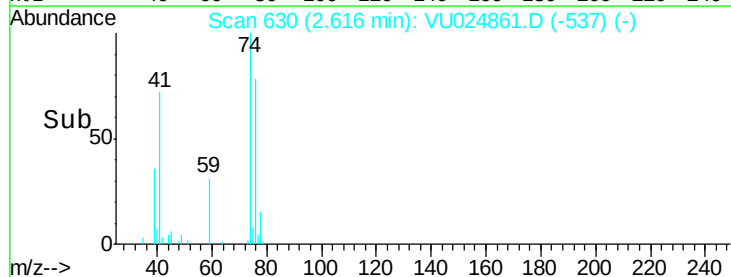
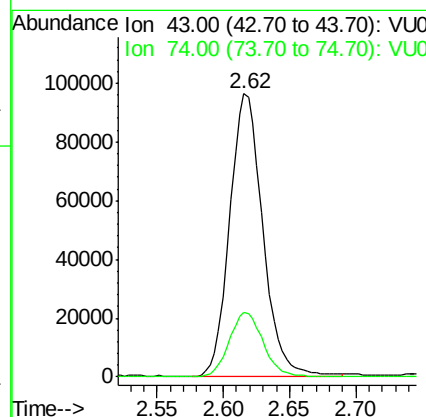
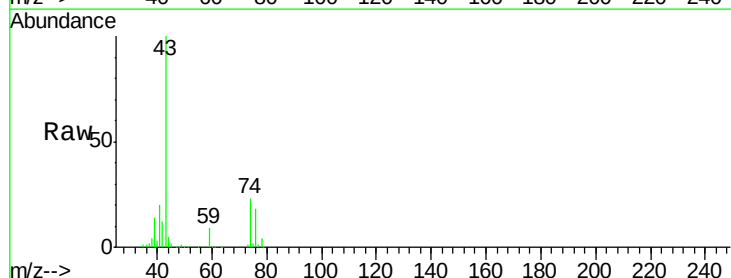
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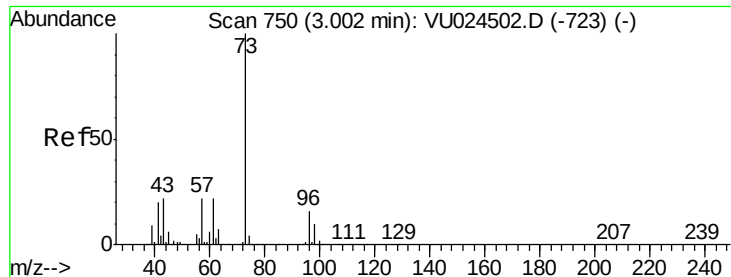
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#18
Methyl Acetate
Concen: 50.46 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.0	27.0





#19

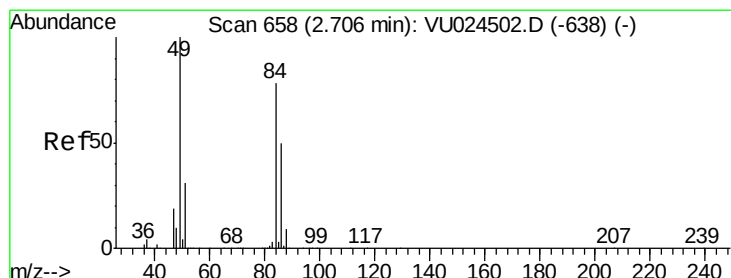
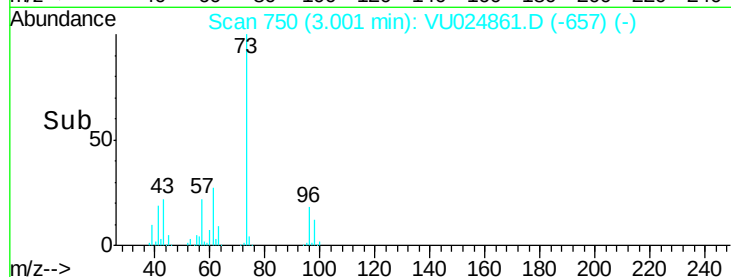
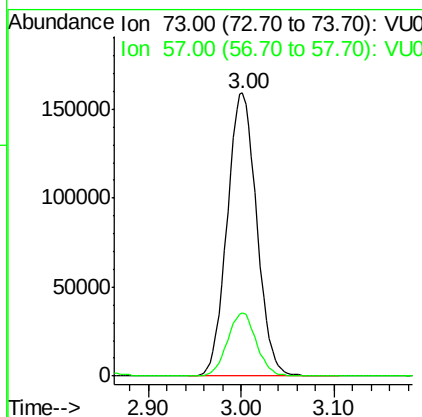
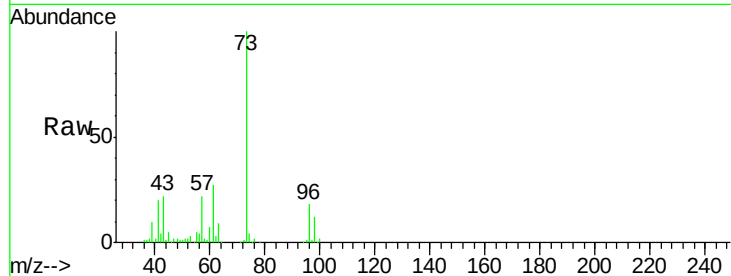
Methyl tert-butyl Ether
 Concen: 46.79 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.8	28.2

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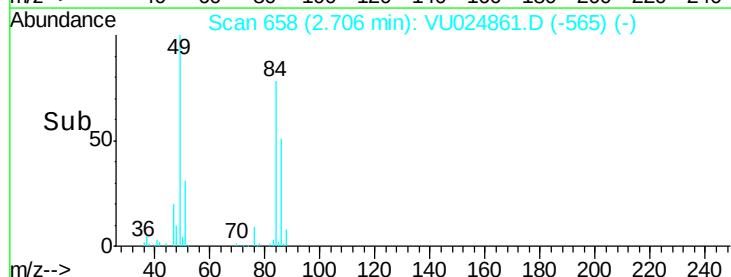
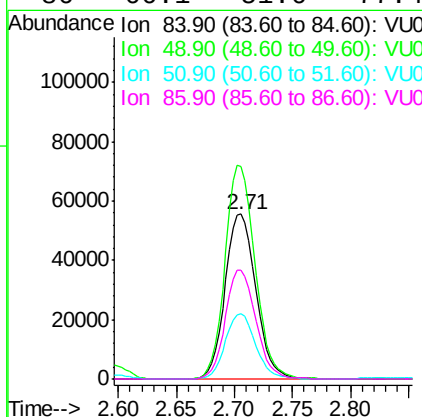
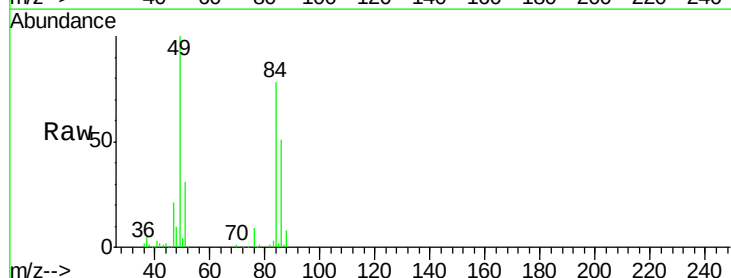
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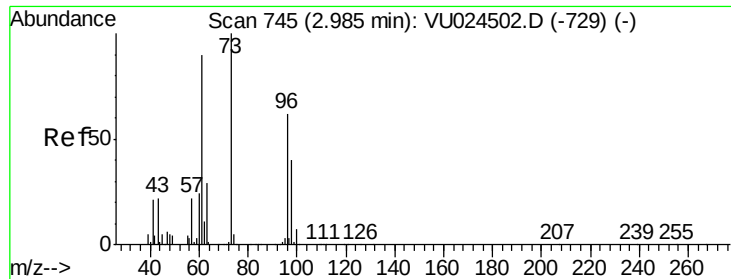


#20

Methylene Chloride
 Concen: 42.50 ug/l
 RT: 2.71 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.9	103.8	155.8
51	39.9	32.0	48.0
86	66.1	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 52.68 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

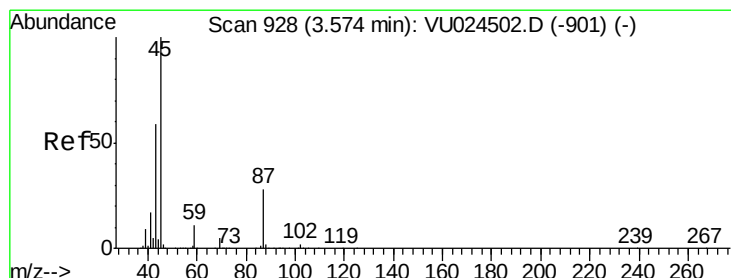
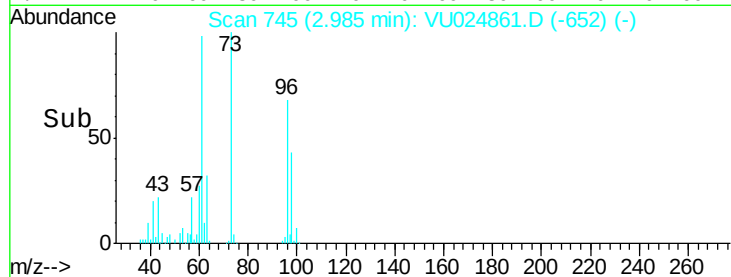
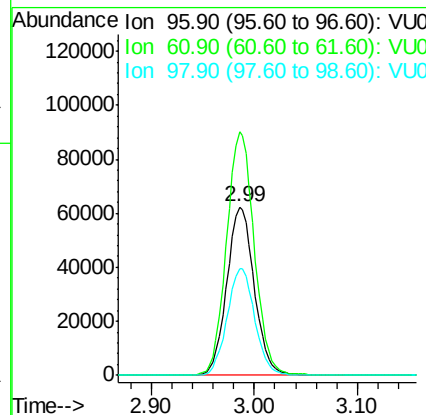
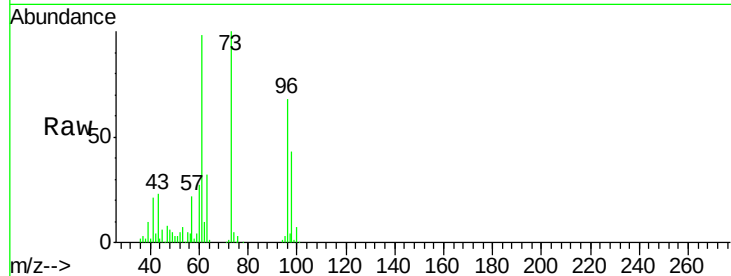
ClientSampleId :

S32-0627MS

Tot Ion:	96	Resp:	115716
Ion	Ratio	Lower	Upper
96	100		
61	144.3	119.4	179.0
98	63.4	51.1	76.7

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#22

Diisopropyl ether

Concen: 46.84 ug/l

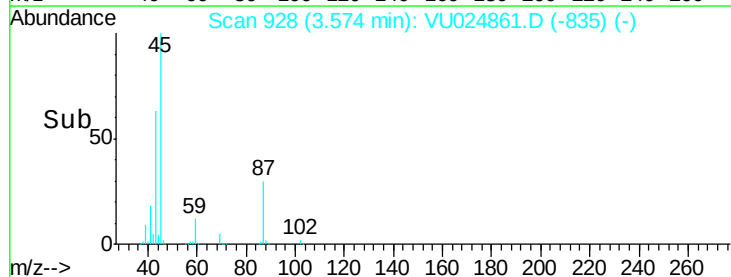
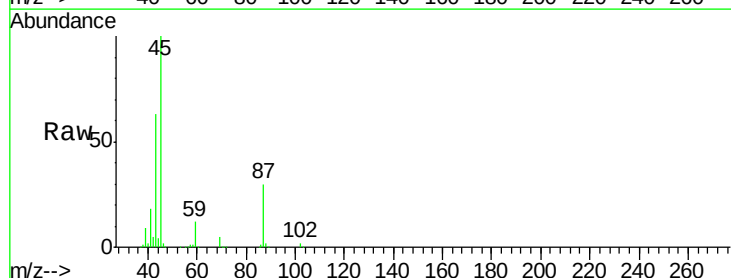
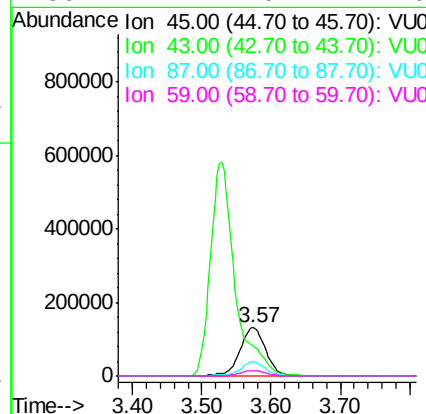
RT: 3.57 min Scan# 928

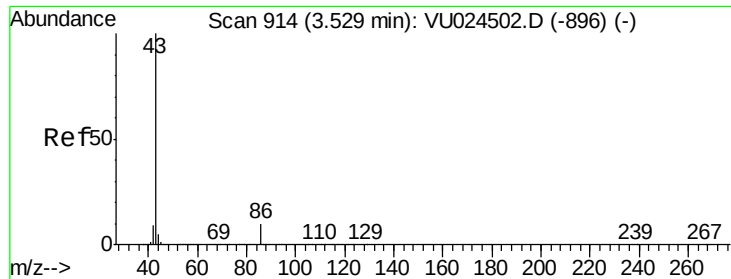
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	45	Resp:	343834
Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.8	68.6
87	29.8	20.6	31.0
59	11.7	9.4	14.0





#23

Vinyl Acetate

Concen: 217.47 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tot Ion: 43 Resp: 1430079

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

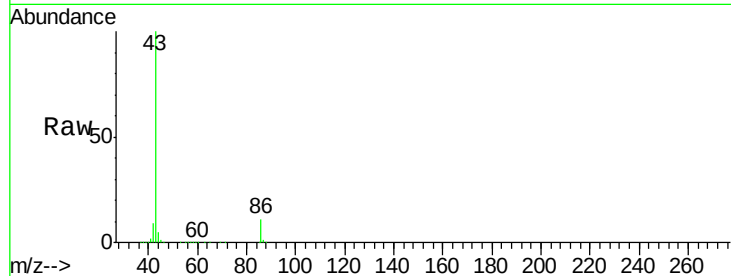
S32-0627MS

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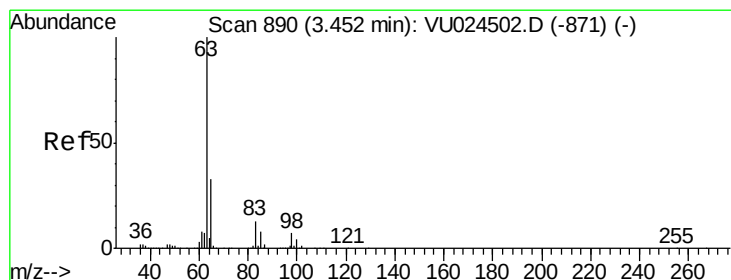
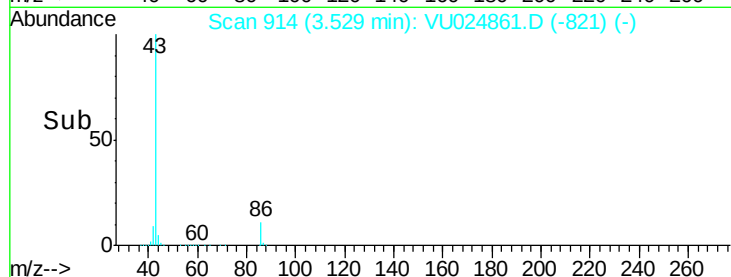
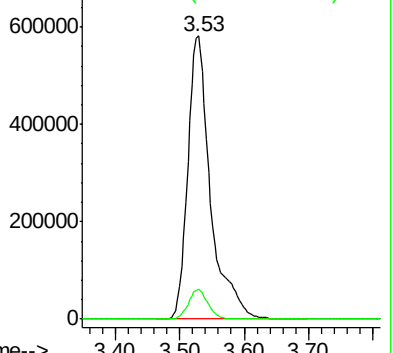
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.28 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

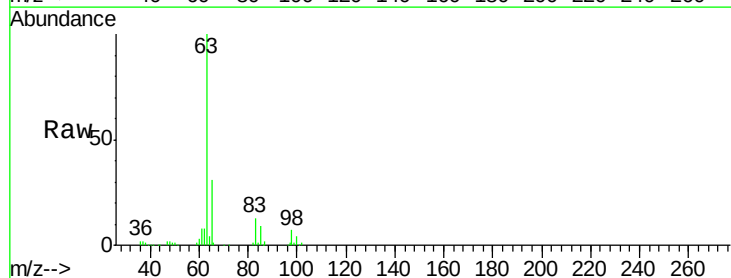
Tgt Ion: 63 Resp: 195418

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

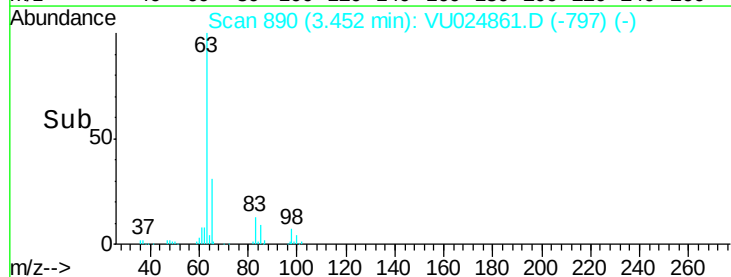
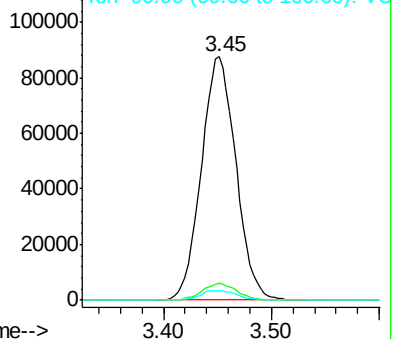
100 3.9 1.8 5.5

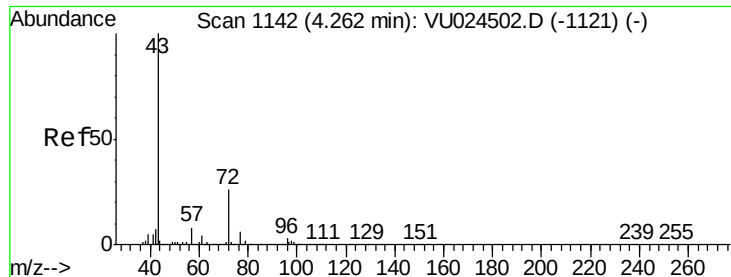


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





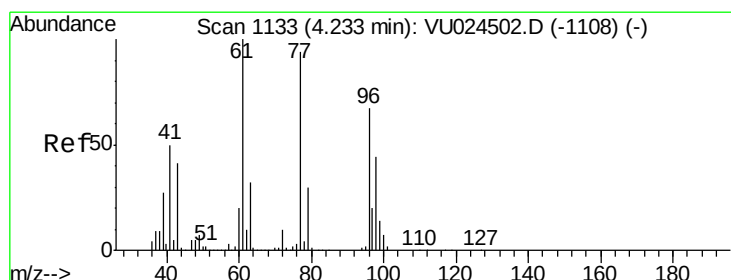
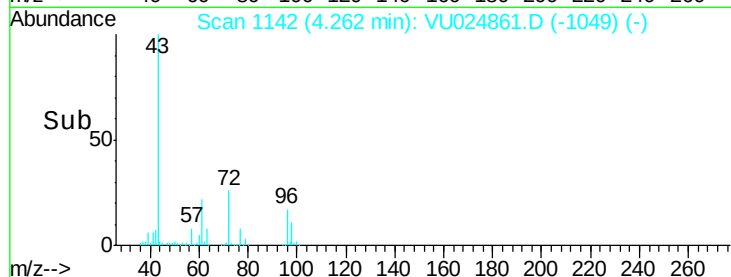
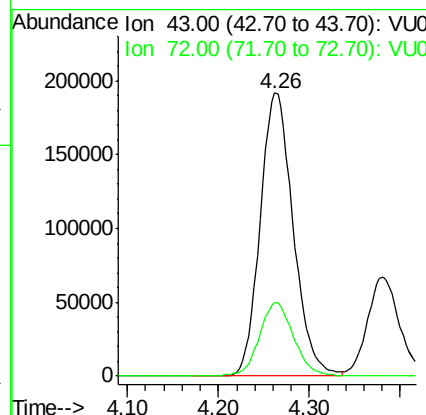
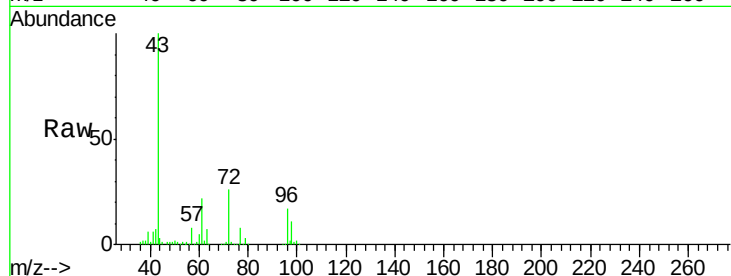
#25
2-Butanone
Concen: 233.72 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion: 43 Resp: 482333
Ion Ratio Lower Upper
43 100
72 26.1 19.6 29.4

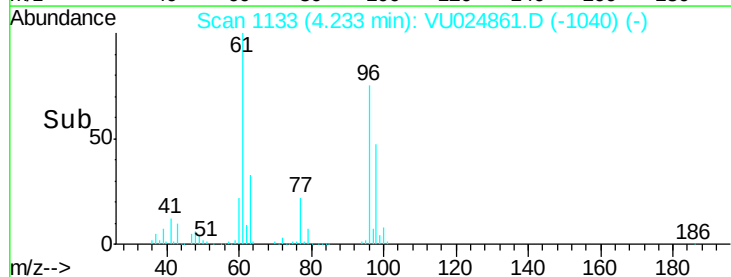
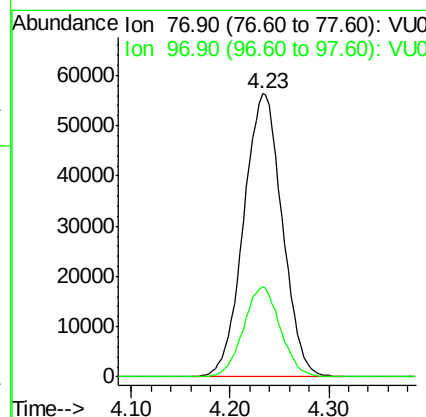
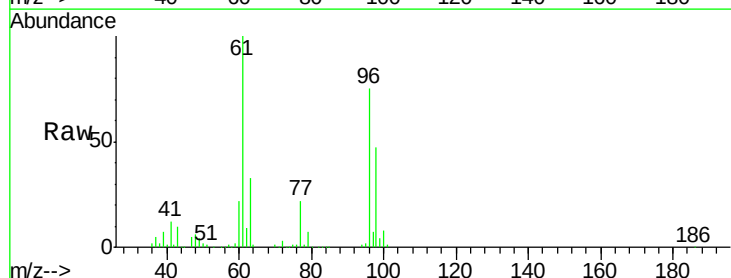
Manual Integrations
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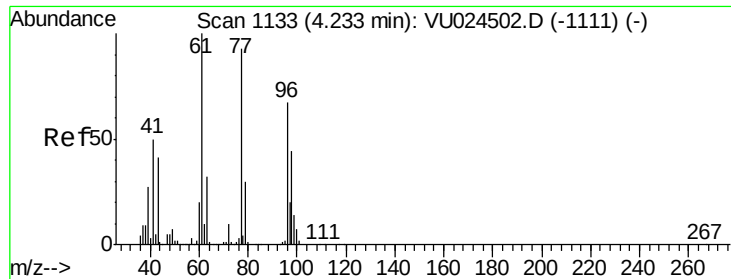
apatel
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#26
2,2-Dichloropropane
Concen: 38.05 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion: 77 Resp: 152565
Ion Ratio Lower Upper
77 100
97 30.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 186.05 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

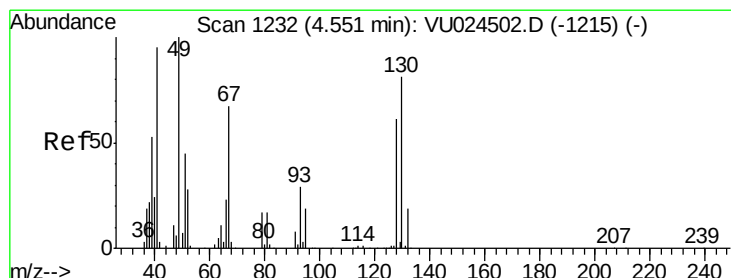
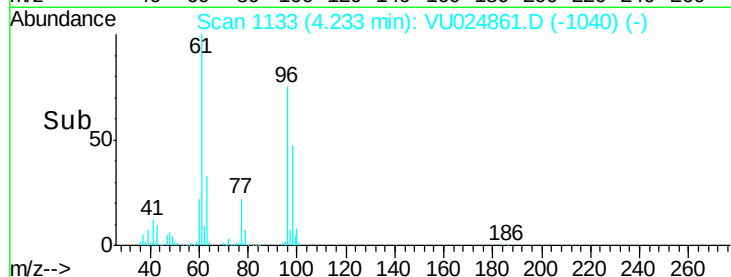
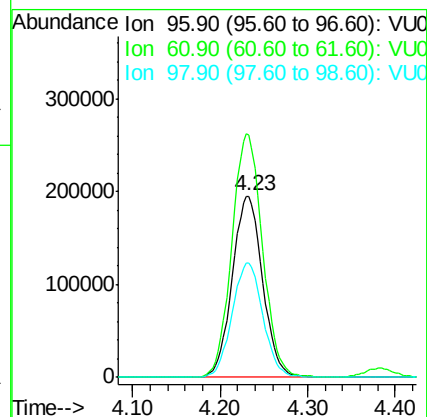
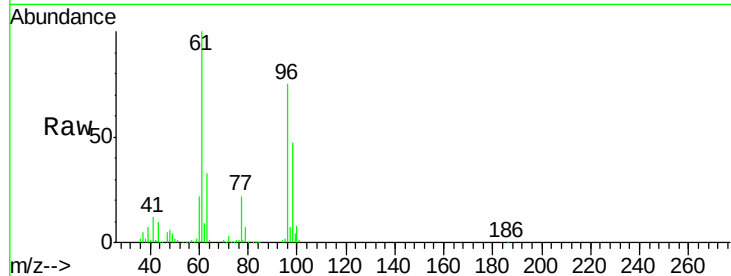
ClientSampleId :

S32-0627MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	306.6
98	64.2	0.0	128.8

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#28

Bromochloromethane

Concen: 46.47 ug/l

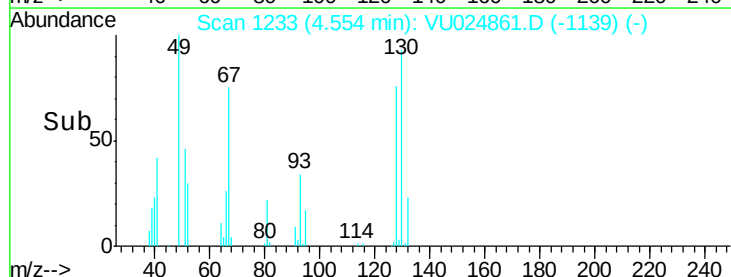
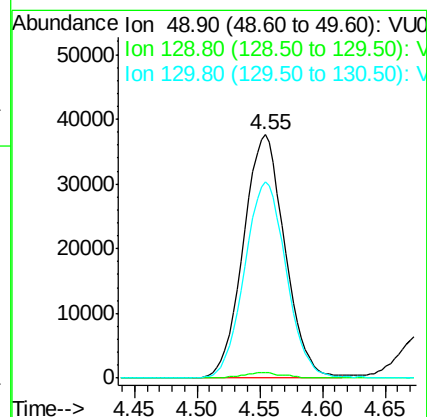
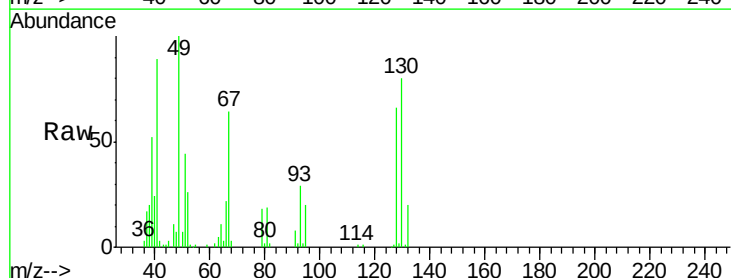
RT: 4.55 min Scan# 1233

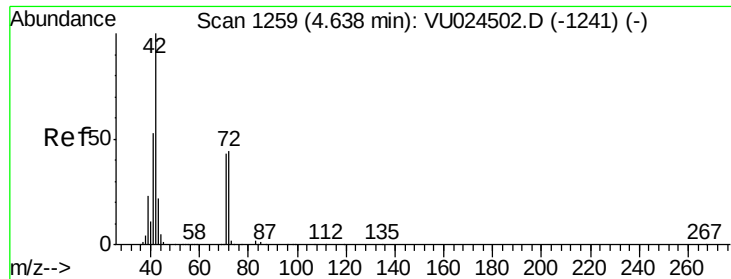
Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.1	57.8	86.6





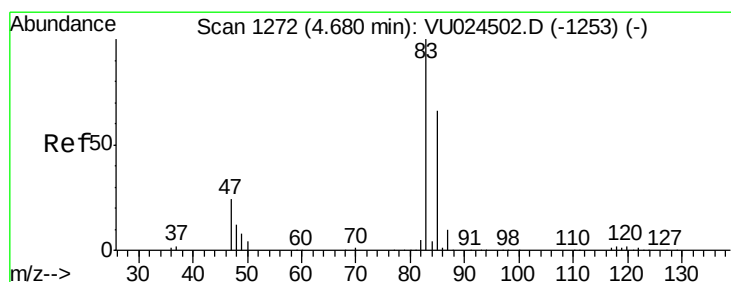
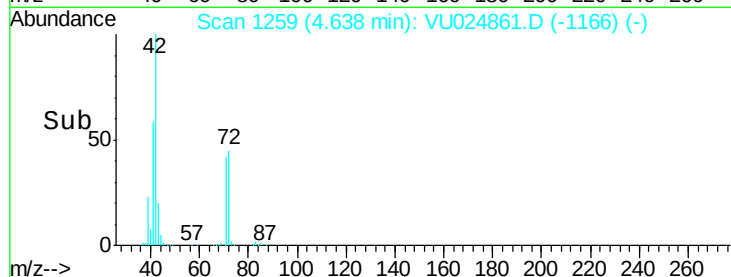
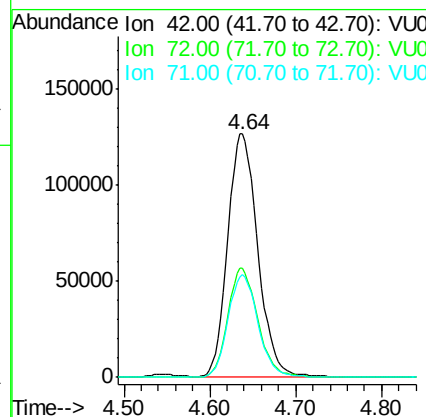
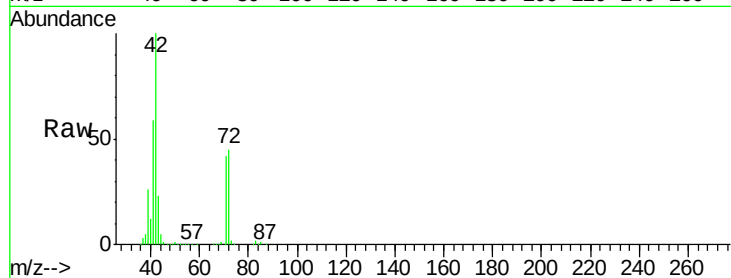
#29
Tetrahydrofuran
Concen: 239.49 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.5	51.7
71	42.2	32.2	48.4

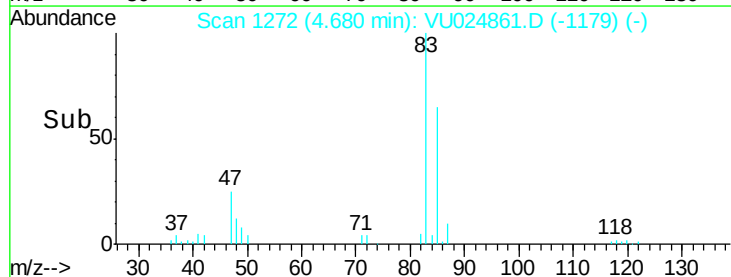
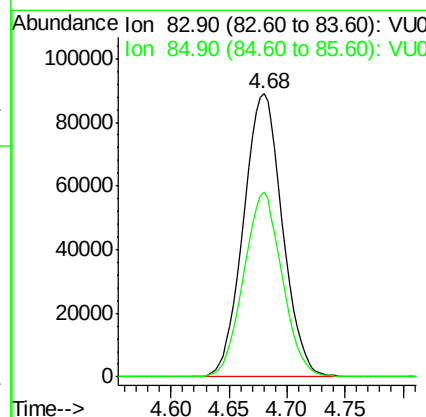
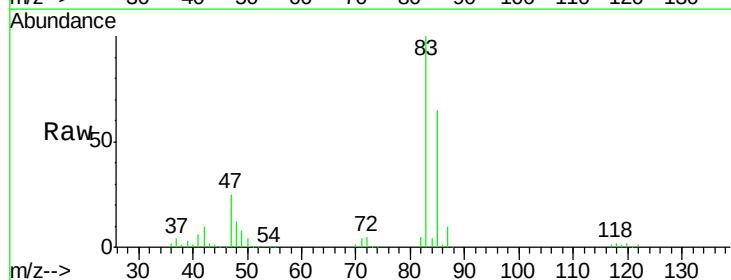
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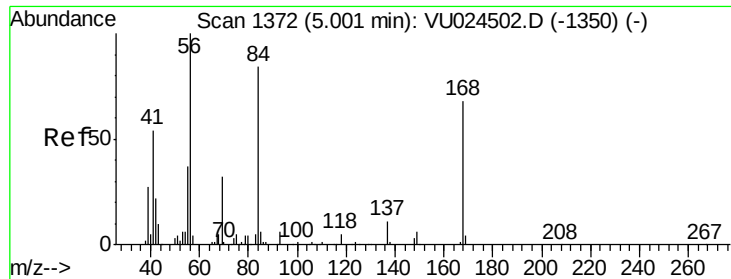
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#30
Chloroform
Concen: 48.68 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





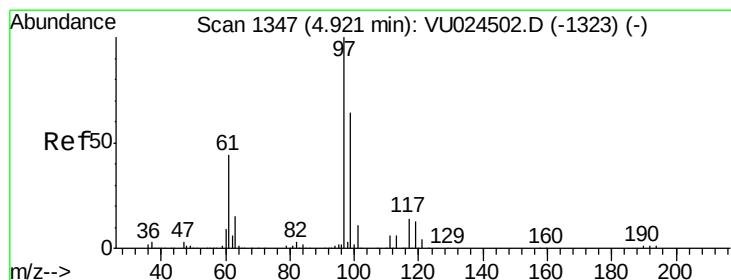
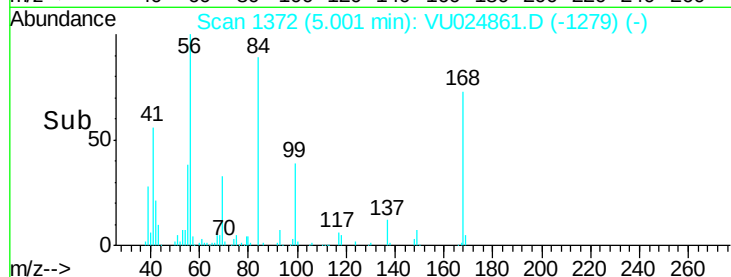
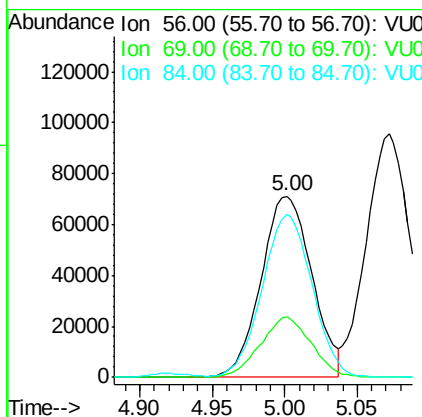
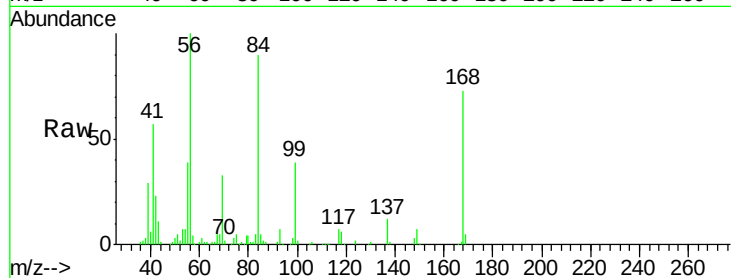
#31
Cyclohexane
Concen: 45.99 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	24.8	37.2
84	89.0	65.2	97.8

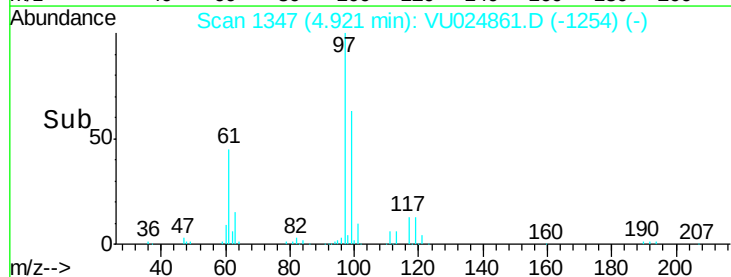
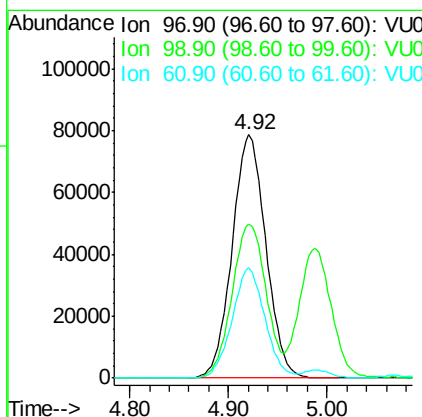
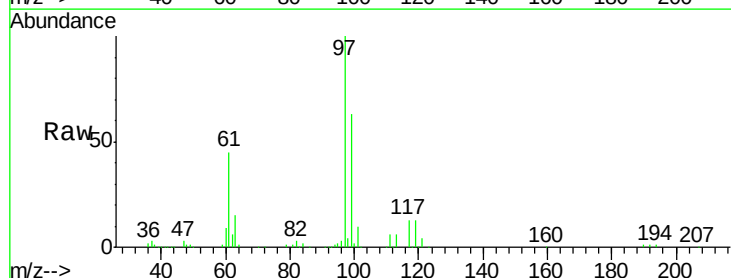
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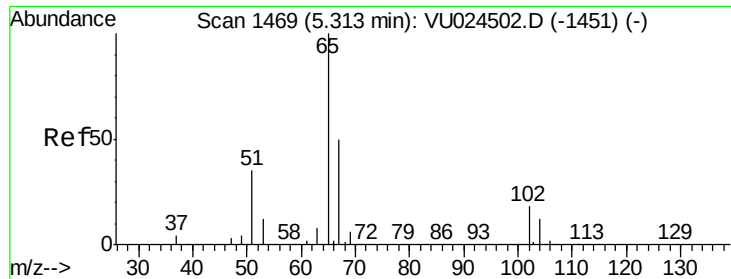
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#32
1,1,1-Trichloroethane
Concen: 47.35 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	44.2	39.4	59.0





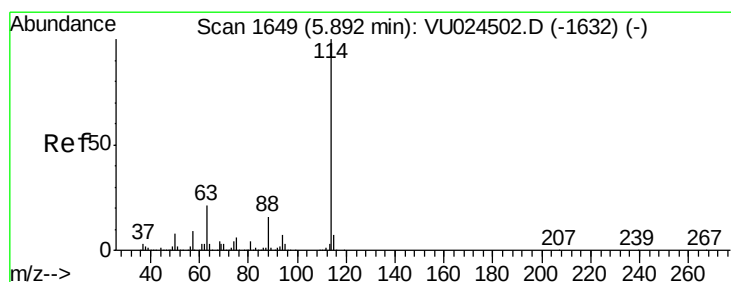
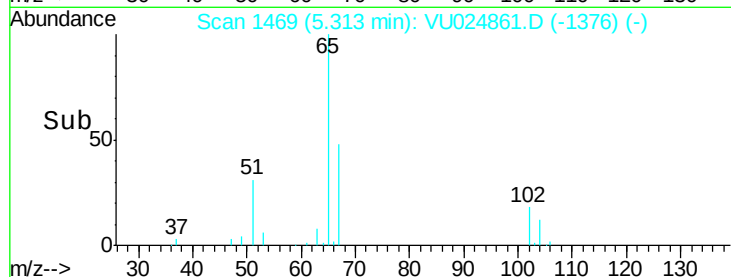
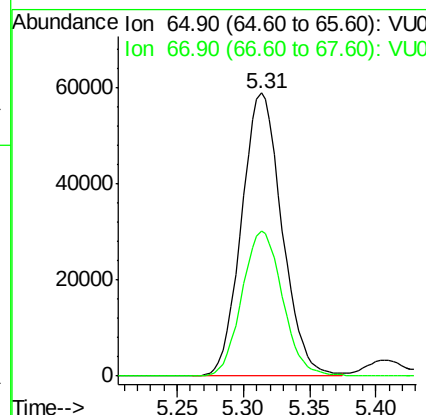
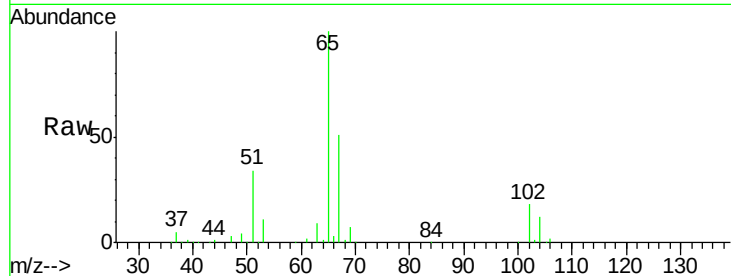
#33
 1,2-Dichloroethane-d4
 Concen: 43.64 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124801		
67	51.6	0.0	107.0	

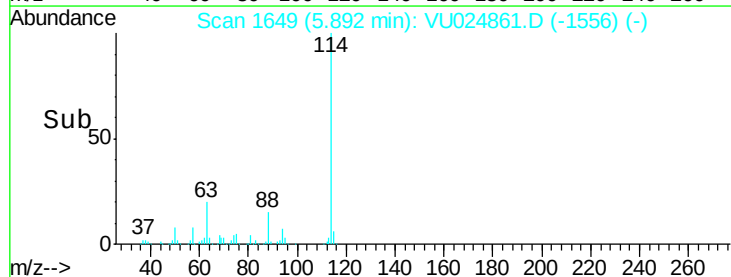
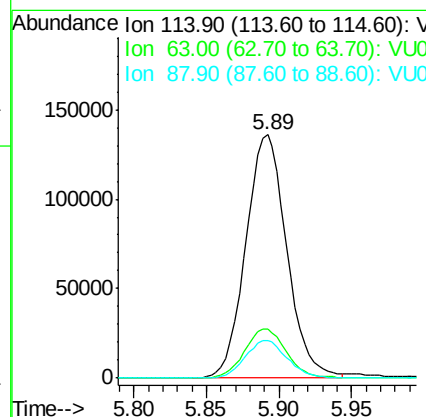
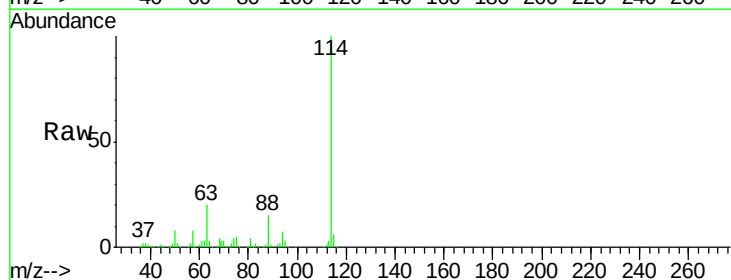
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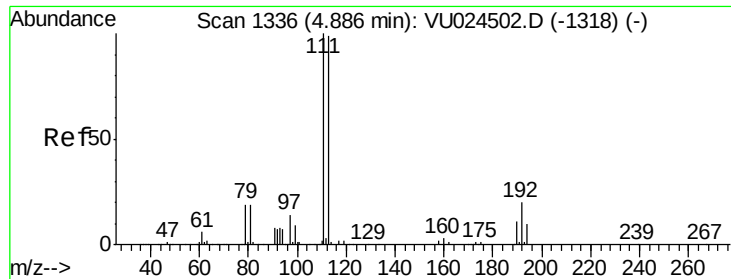
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267126		
63	19.9	0.0	45.4	
88	15.5	0.0	31.0	





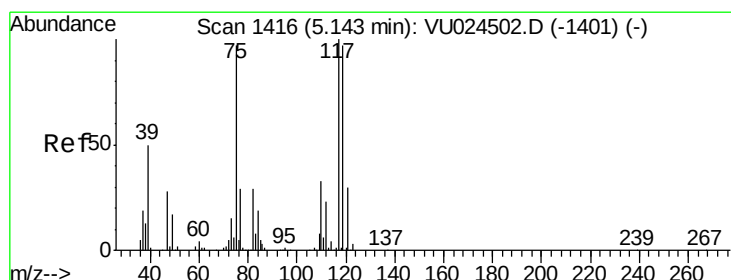
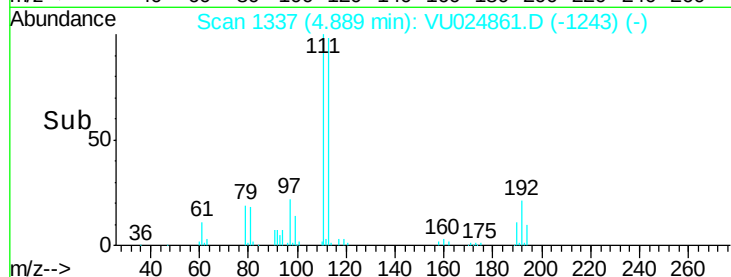
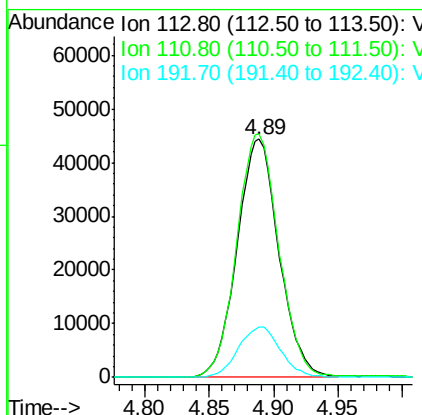
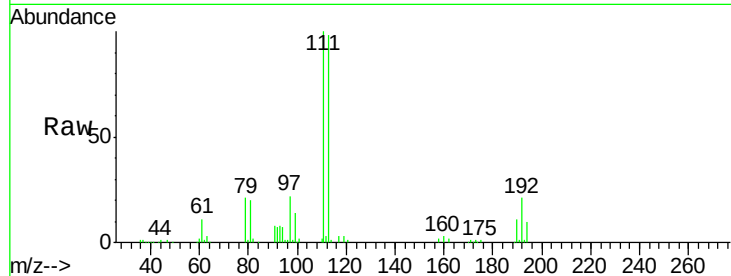
#35
 Dibromofluoromethane
 Concen: 45.24 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	100298		
111	102.4	82.2	123.4	
192	21.3	16.2	24.4	

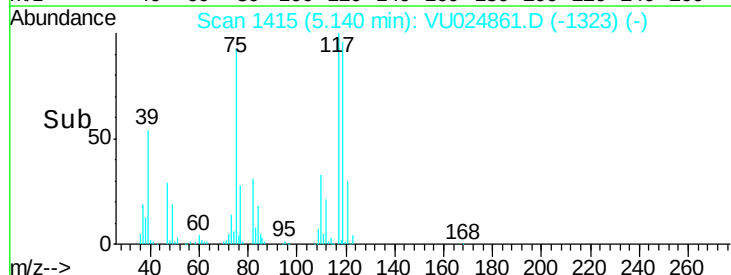
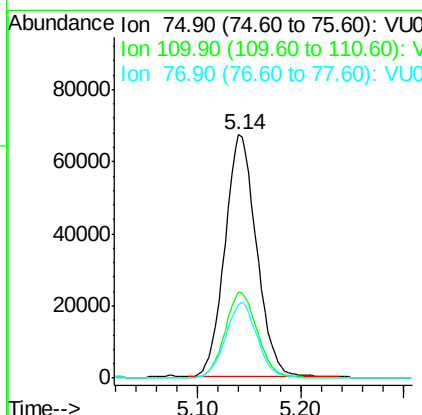
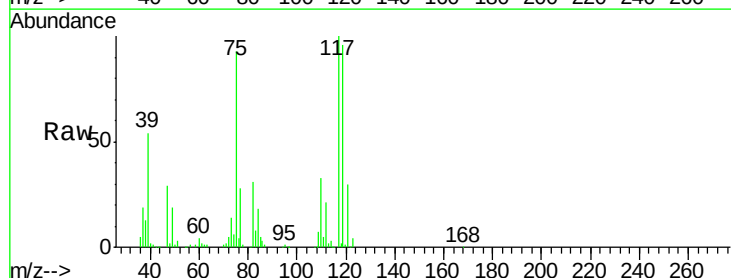
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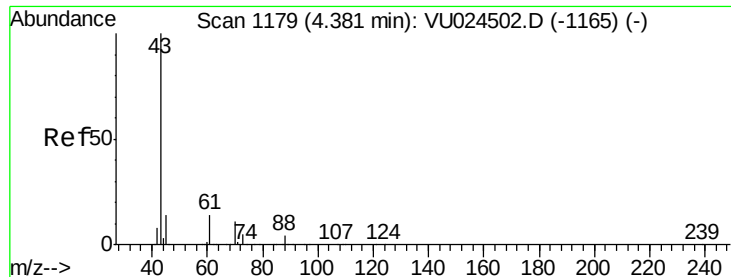
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#36
 1,1-Dichloropropene
 Concen: 45.66 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	143313		
110	36.5	17.0	50.9	
77	30.8	24.2	36.4	





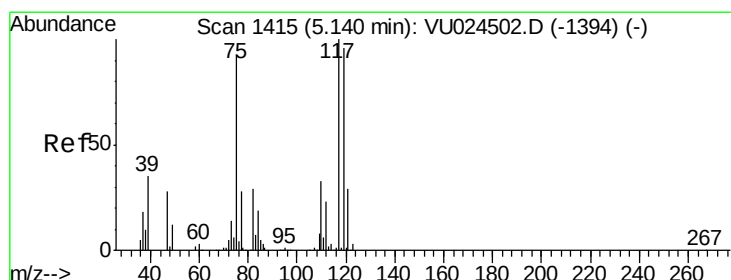
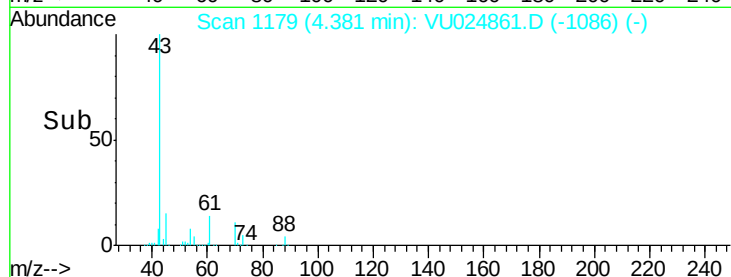
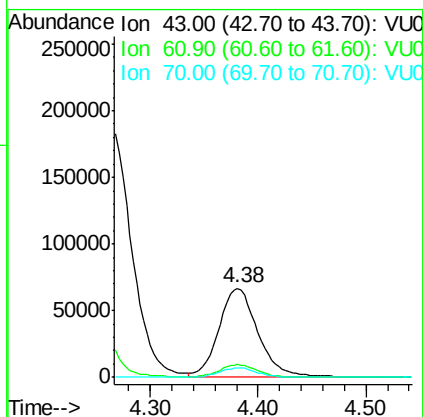
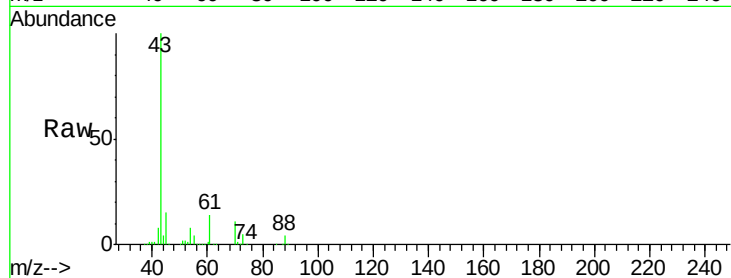
#37
Ethyl Acetate
Concen: 48.27 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	10.8	7.4	11.2

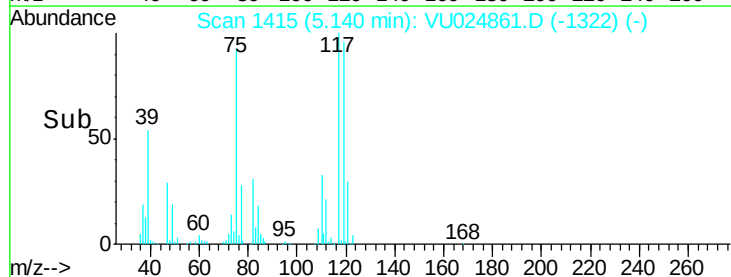
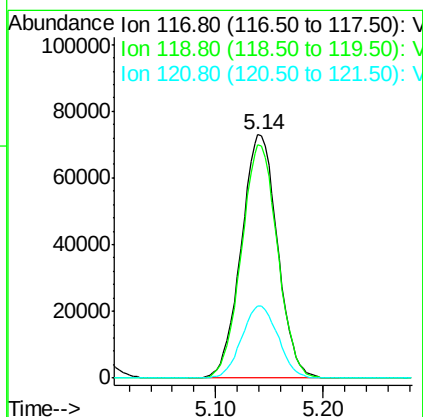
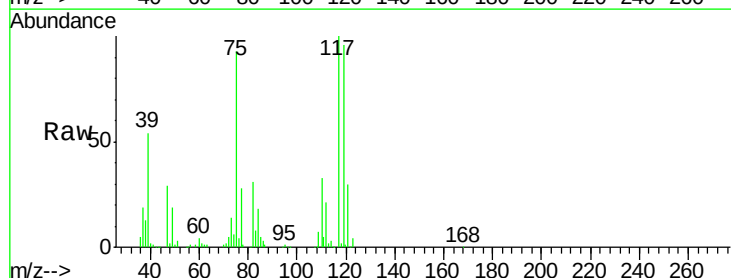
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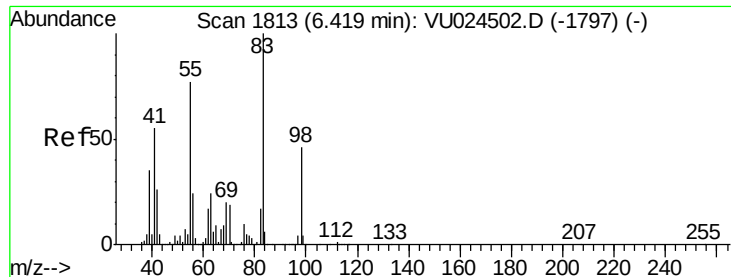
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#38
Carbon Tetrachloride
Concen: 49.33 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.1	114.1
121	29.7	23.7	35.5





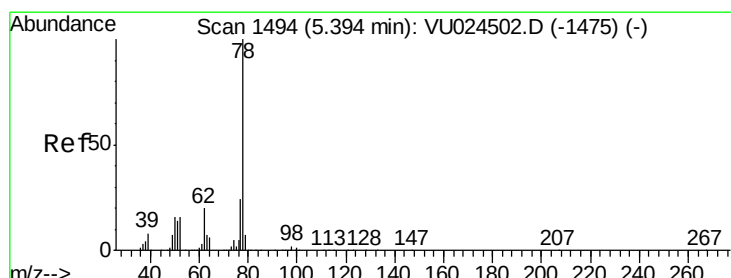
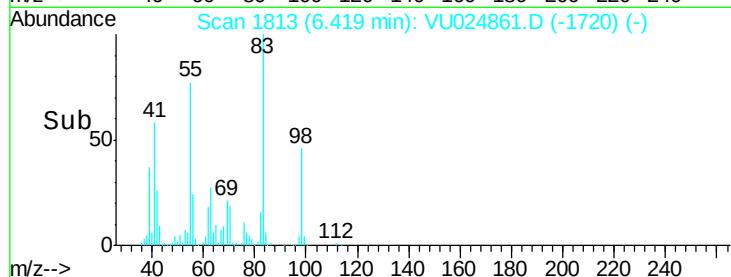
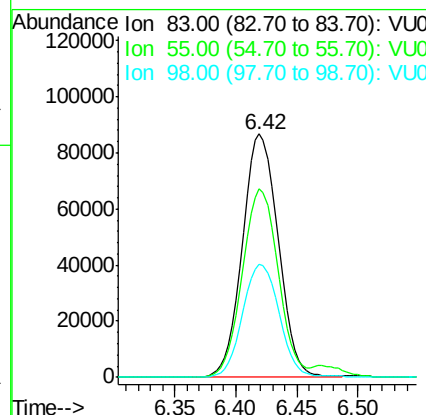
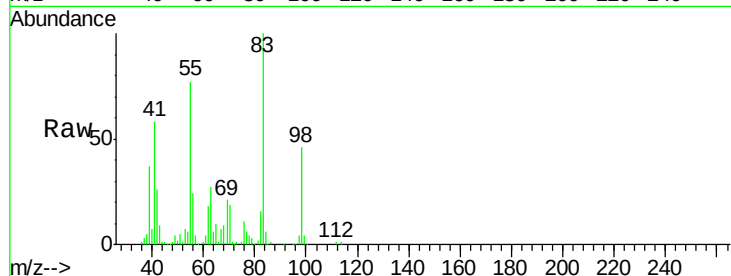
#39
Methylvlcyclohexane
Concen: 45.08 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	65.8	98.6
98	46.3	36.7	55.1

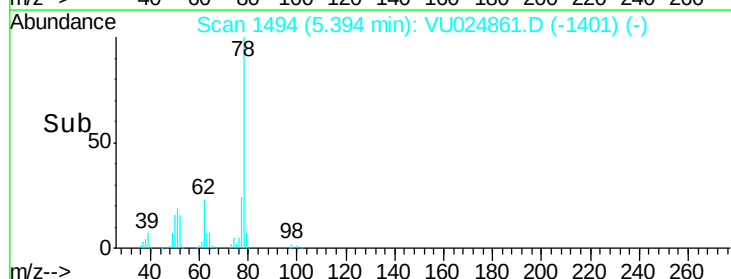
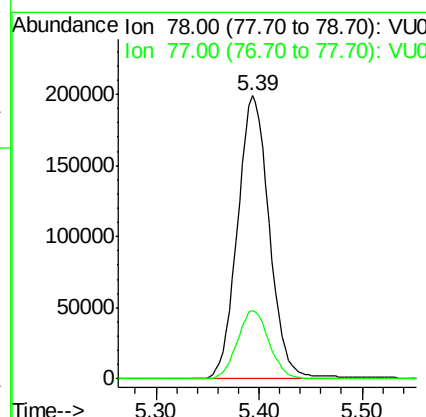
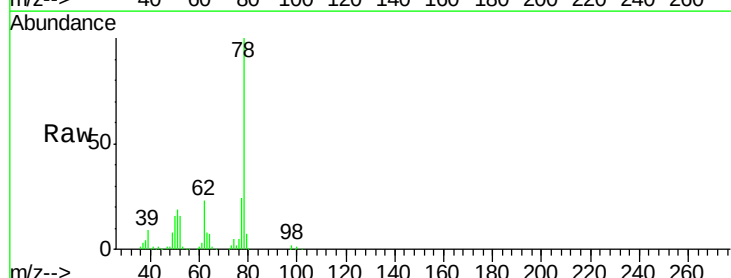
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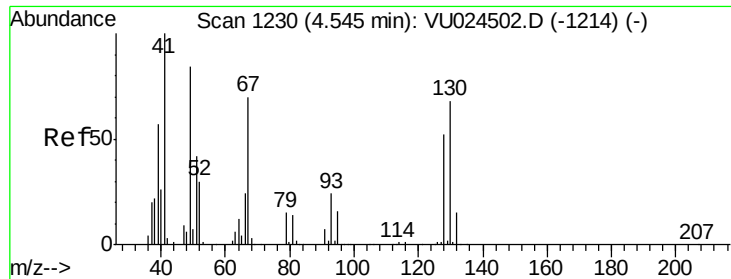
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#40
Benzene
Concen: 47.83 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





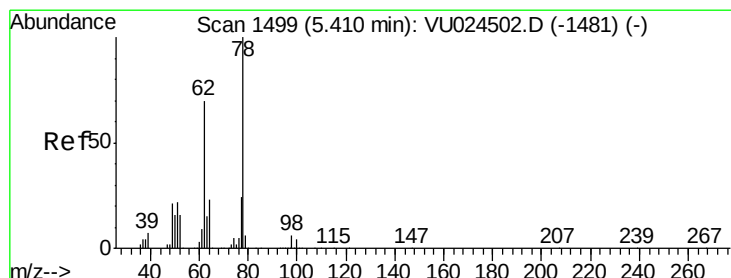
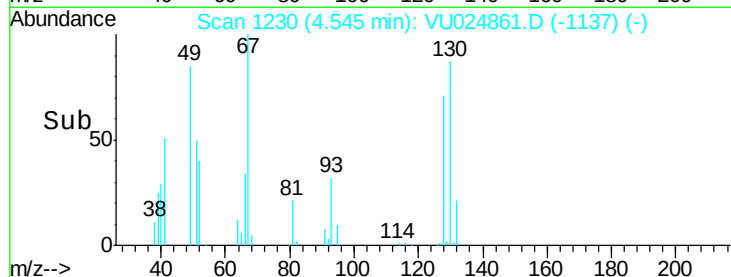
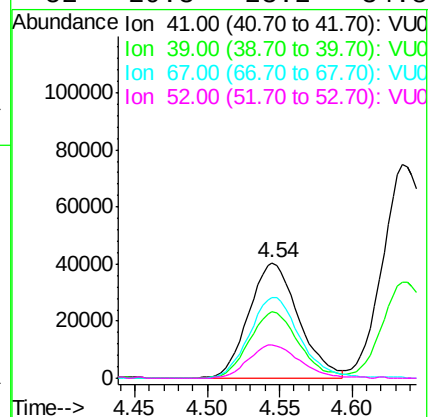
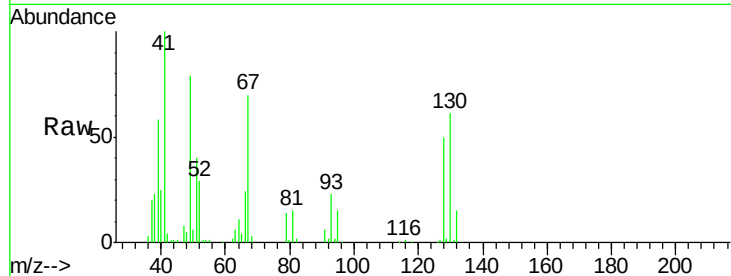
#41
Methacrylonitrile
Concen: 51.96 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.2	43.8	65.6	
67	72.2	56.3	84.5	
52	29.3	23.2	34.8	

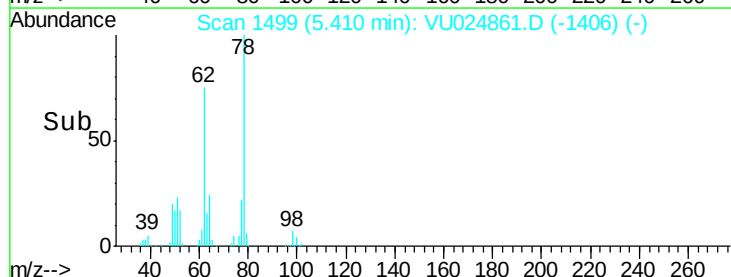
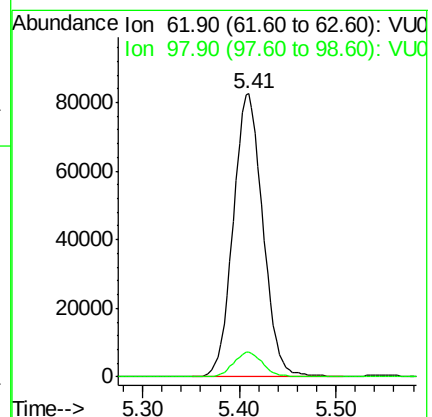
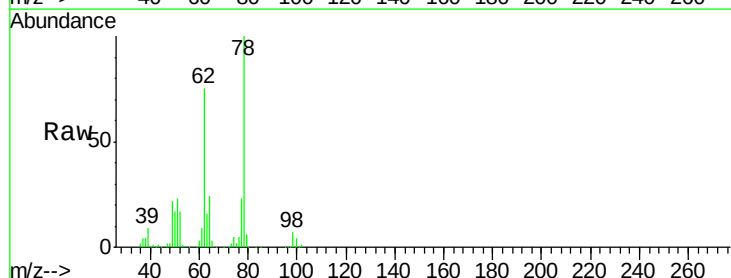
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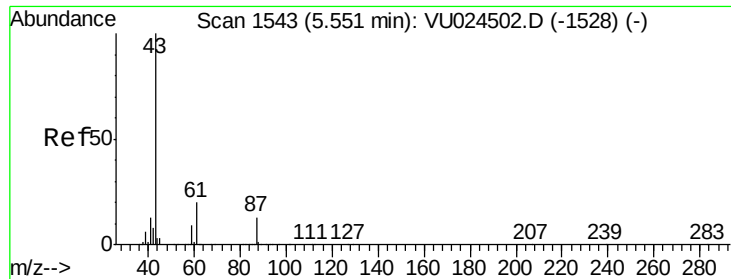
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#42
1,2-Dichloroethane
Concen: 51.53 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.6	





#43

Isopropyl Acetate

Concen: 46.69 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

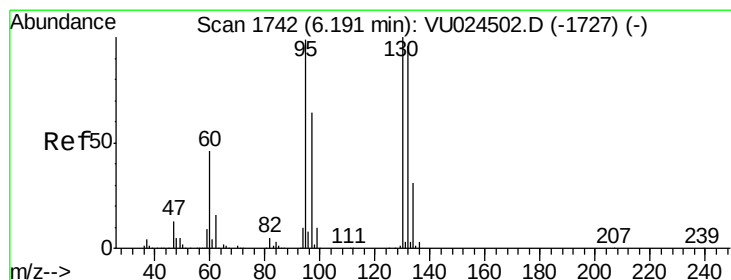
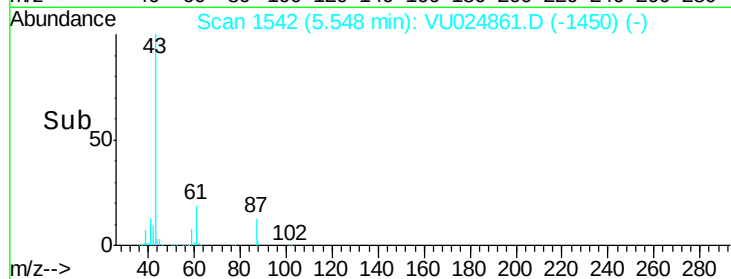
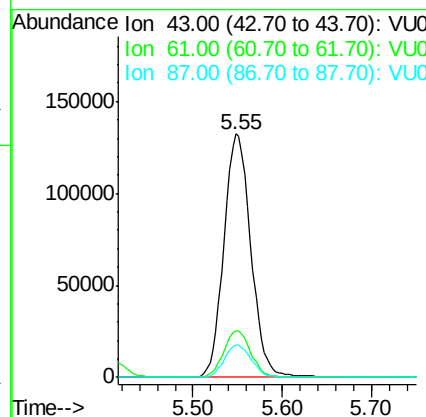
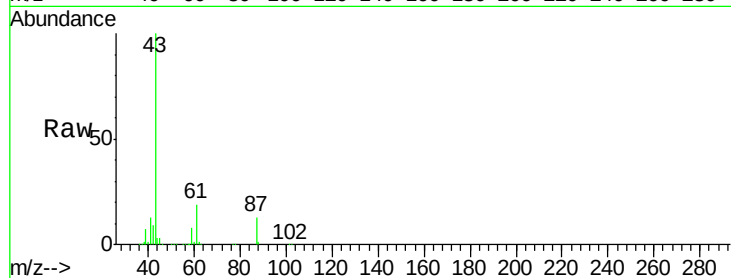
ClientSampleId :

S32-0627MS

Tot Ion:	43	Resp:	276124
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.3	10.0	15.0

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#44

Trichloroethene

Concen: 65.25 ug/l

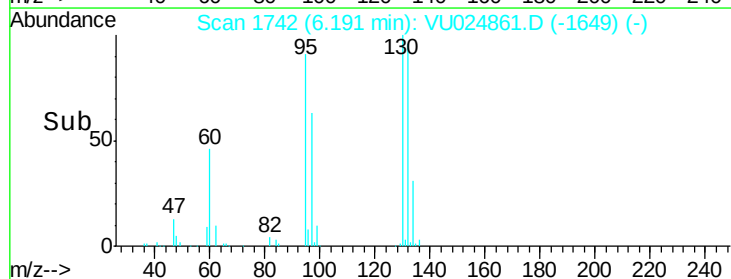
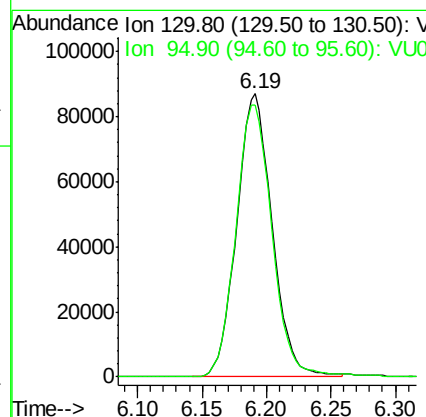
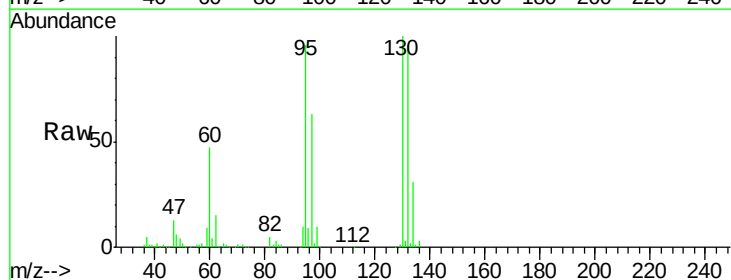
RT: 6.19 min Scan# 1742

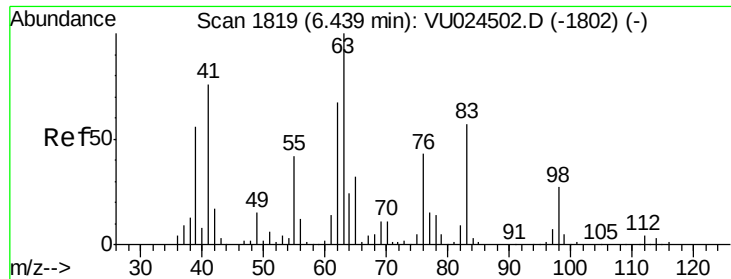
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	130	Resp:	166098
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	202.4





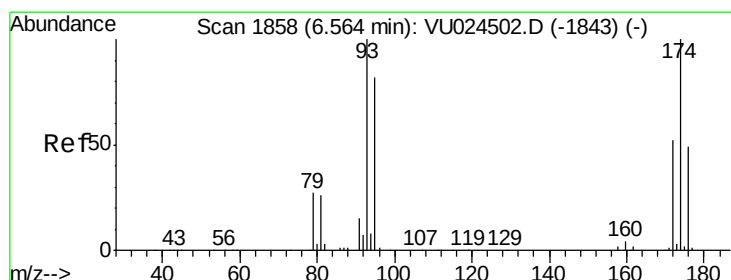
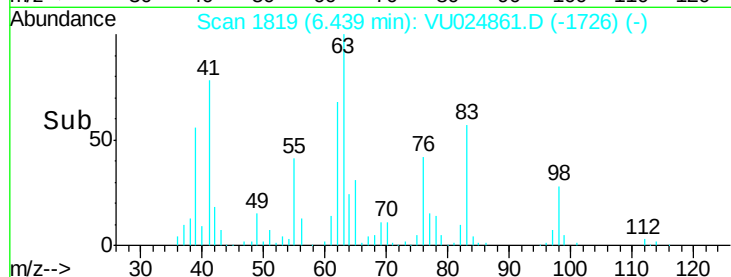
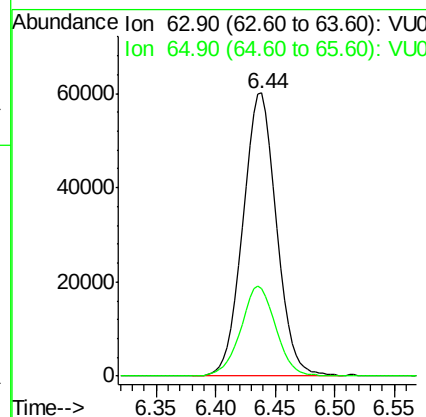
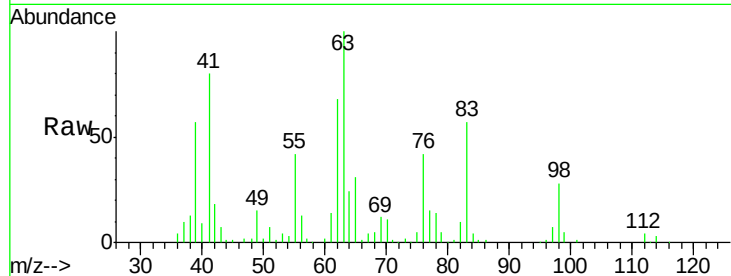
#45
 1,2-Dichloropropane
 Concen: 49.31 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion: 63 Resp: 117677
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

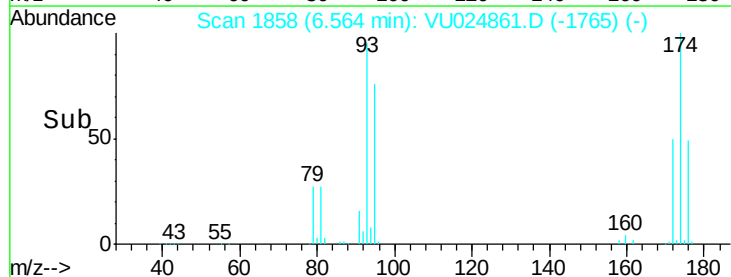
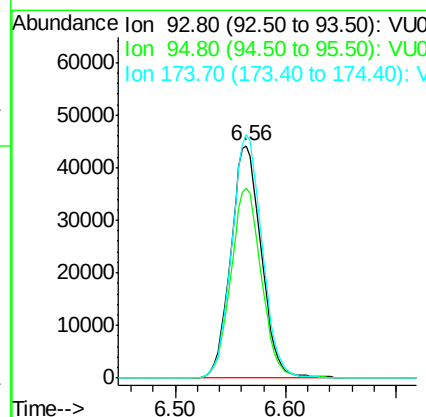
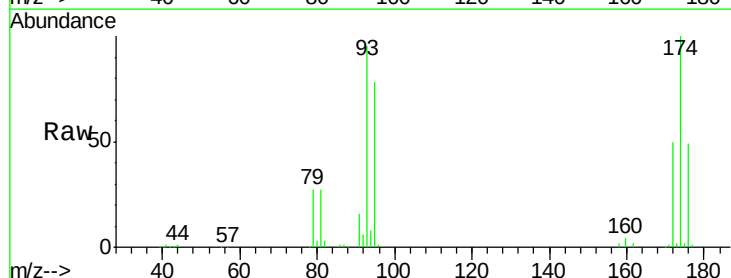
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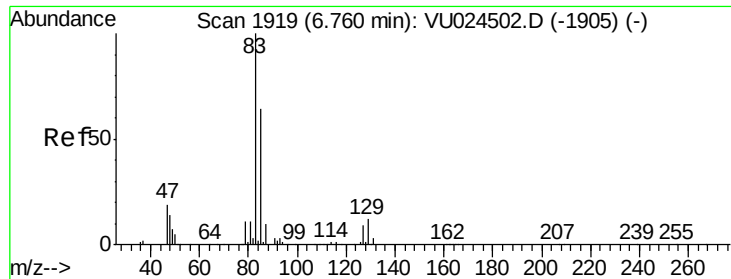
apatel
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#46
 Dibromomethane
 Concen: 50.52 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 93 Resp: 84687
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.5 98.3
 174 104.4 78.7 118.1





#47

Bromodichloromethane

Concen: 48.68 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

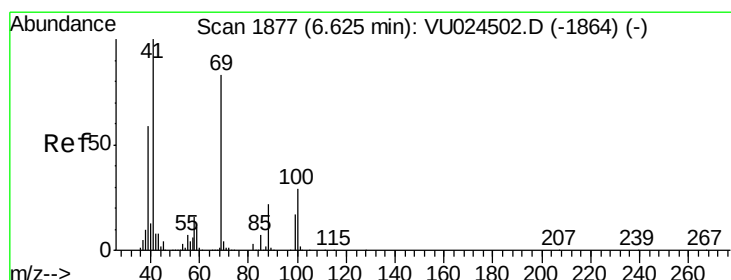
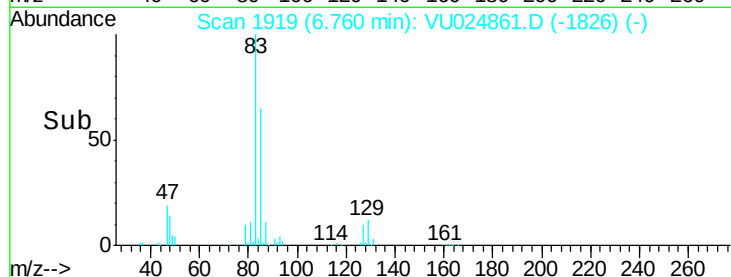
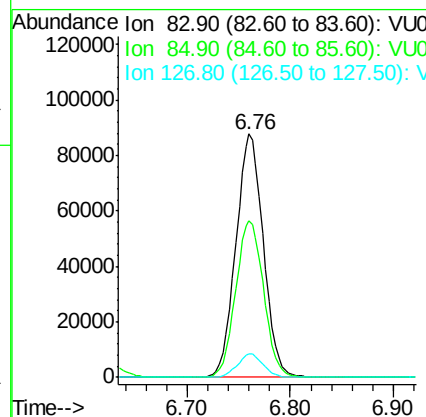
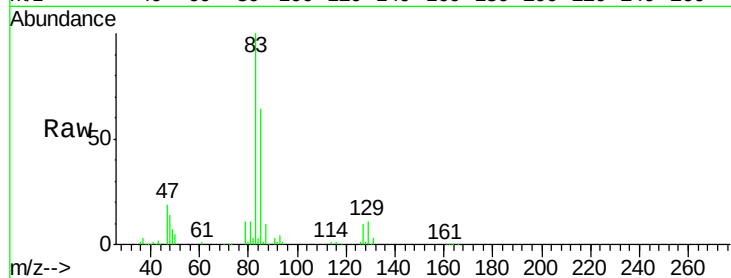
ClientSampleId :

S32-0627MS

Tot Ion:	83	Resp:	162483
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.9	77.9
127	9.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.18 ug/l

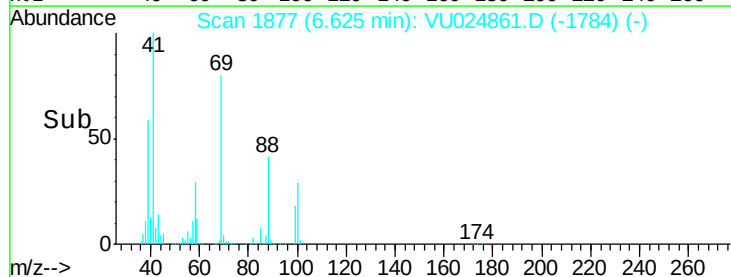
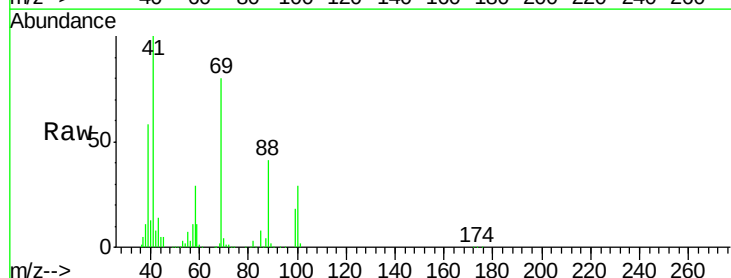
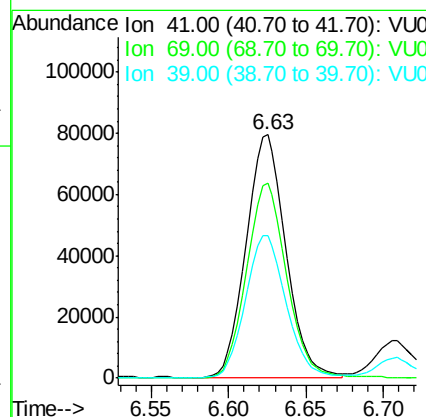
RT: 6.63 min Scan# 1877

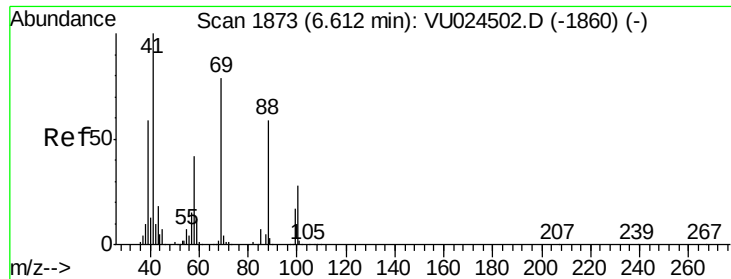
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	41	Resp:	141624
Ion Ratio	Lower	Upper	
41	100		
69	81.8	67.3	100.9
39	59.8	46.5	69.7





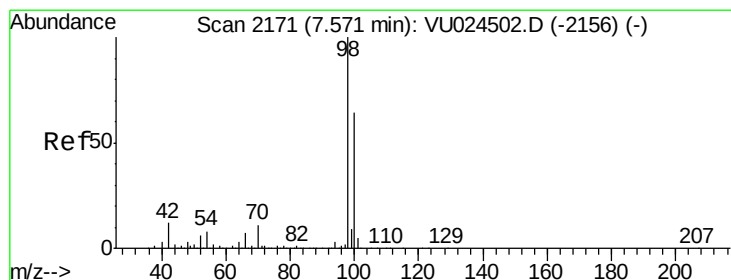
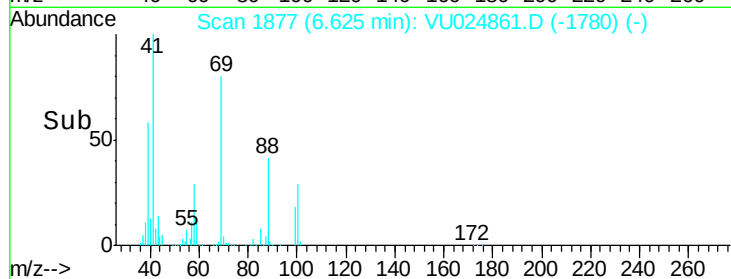
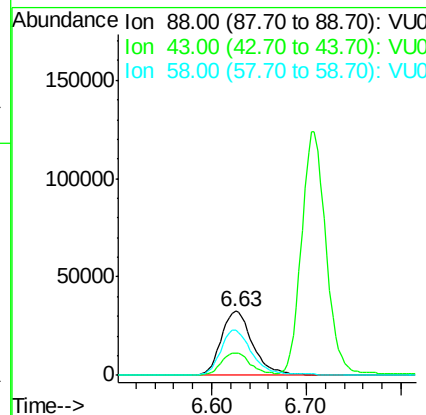
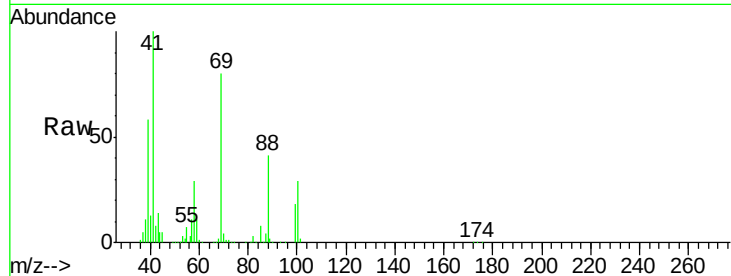
#49
1,4-Dioxane
Concen: 1351.86 ug/l
RT: 6.63 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	28.6	42.8
58	69.2	58.2	87.4

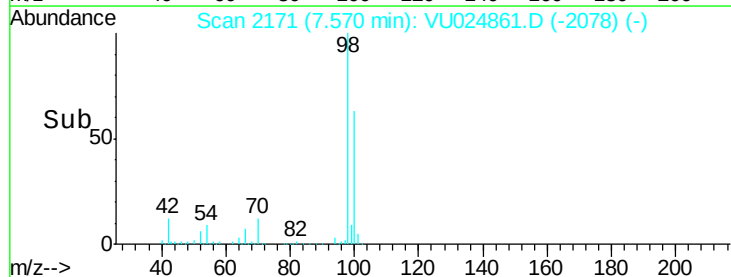
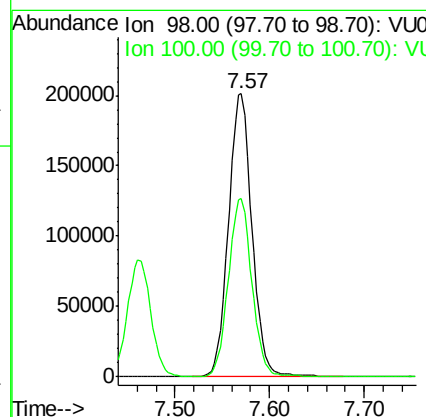
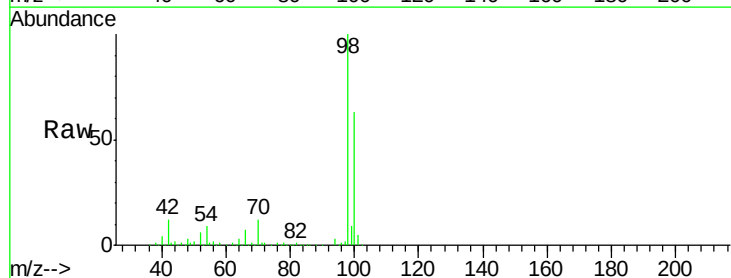
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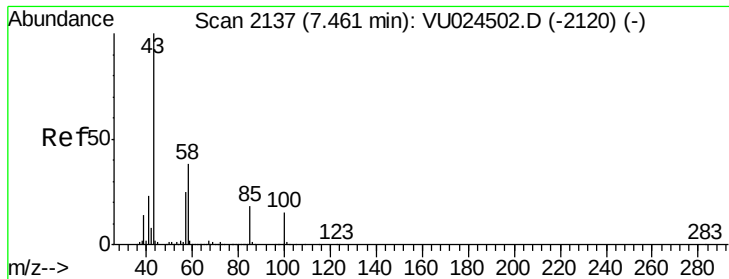
apatel
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#50
Toluene-d8
Concen: 42.99 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 256.70 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 43 Resp: 953713

Ion Ratio Lower Upper

43 100

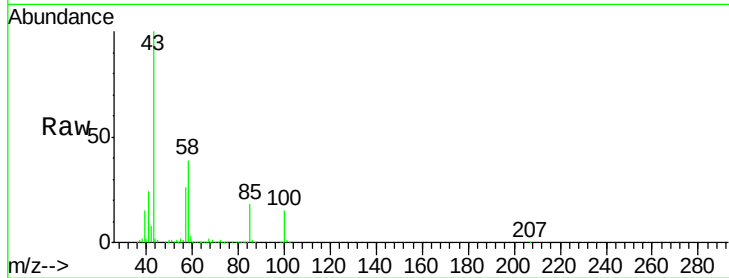
58 38.2 30.0 45.0

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

600000

500000

400000

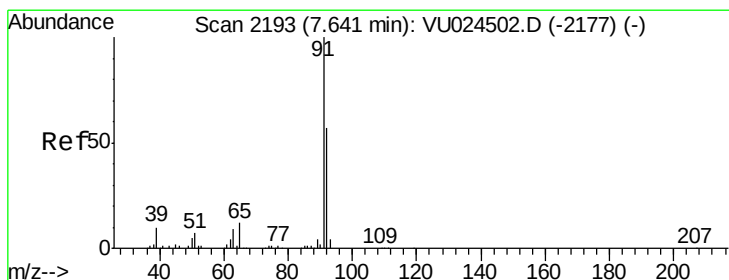
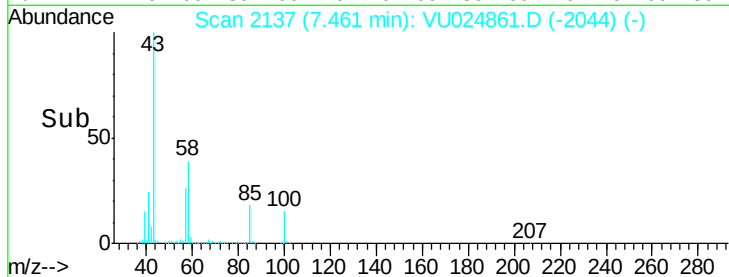
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.65 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024861.D

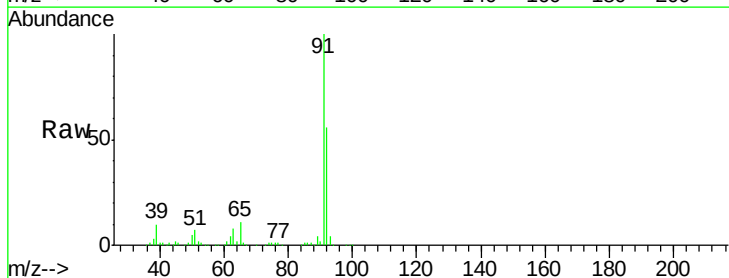
Acq: 23 Jun 2018 03:06

Tgt Ion: 92 Resp: 274202

Ion Ratio Lower Upper

92 100

91 177.2 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

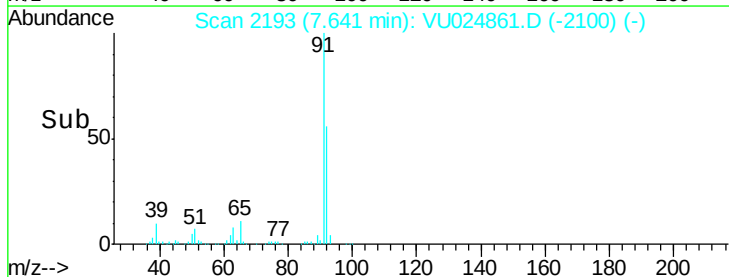
150000

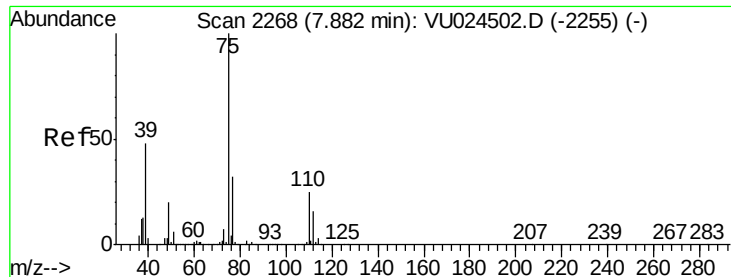
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 45.67 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 75 Resp: 171195

Ion Ratio Lower Upper

75 100

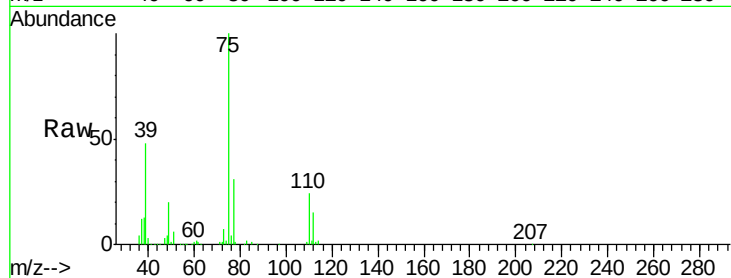
77 31.2 24.8 37.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

120000

100000

80000

60000

40000

20000

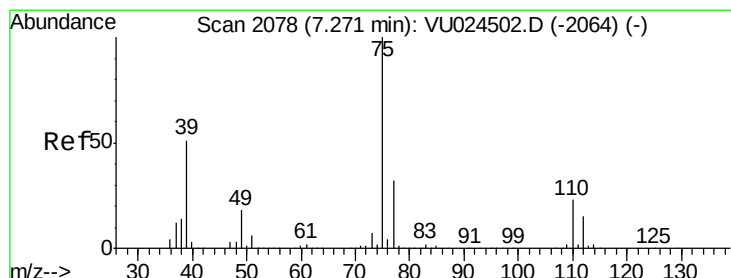
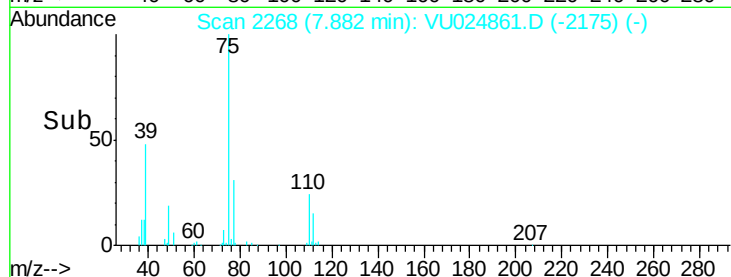
0

7.80

7.90

8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 44.52 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

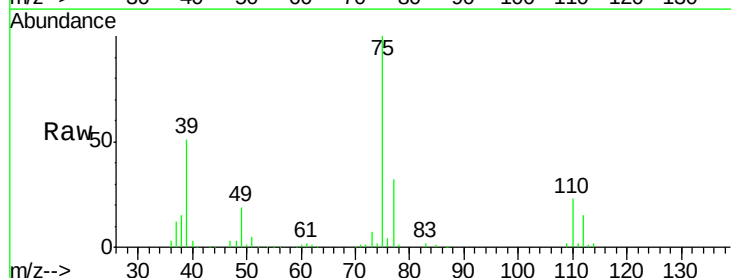
Tgt Ion: 75 Resp: 177819

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 51.3 39.8 59.6



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

100000

50000

0

7.20

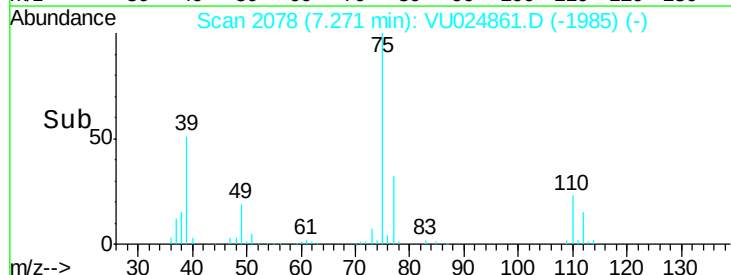
7.25

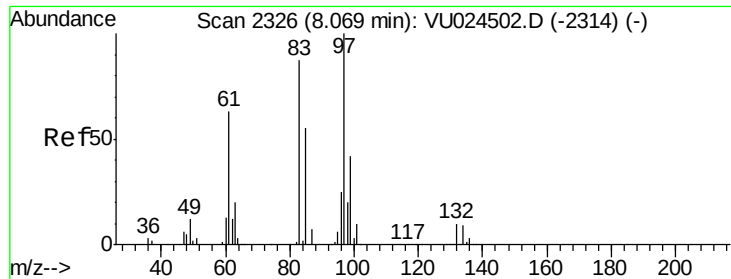
7.30

7.35

7.40

Time-->





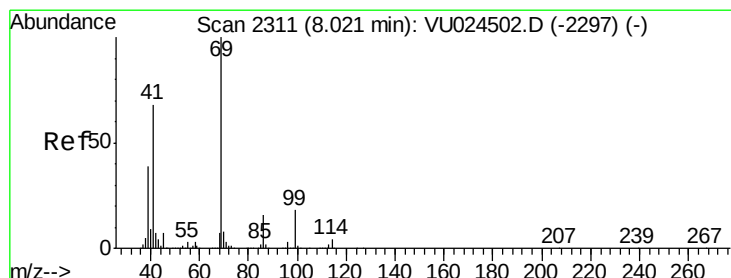
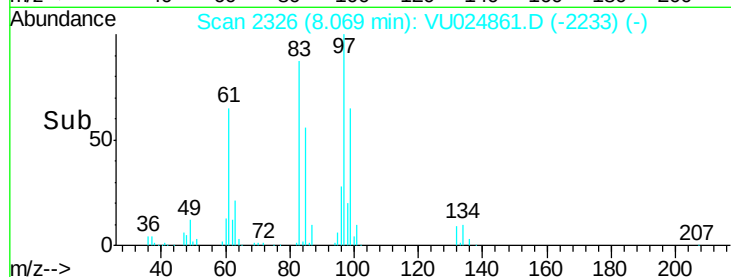
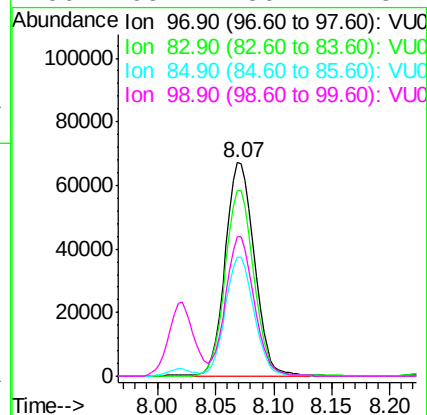
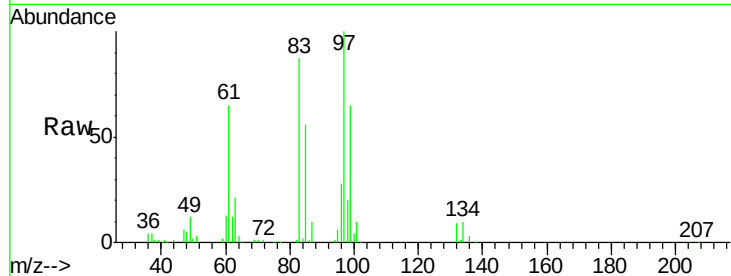
#55
 1,1,2-Trichloroethane
 Concen: 49.86 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion:	97	Resp:	116631
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.5	105.7
85	56.0	46.4	69.6
99	65.1	50.2	75.2

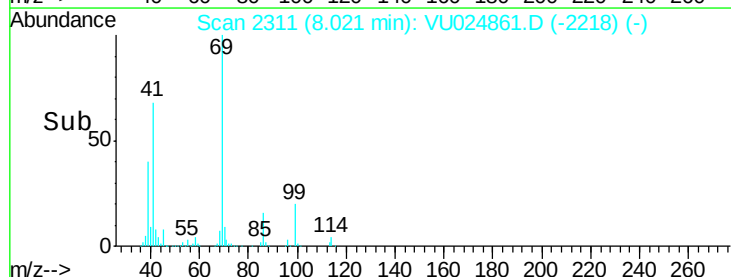
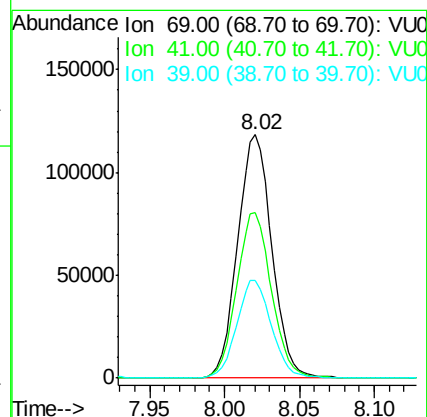
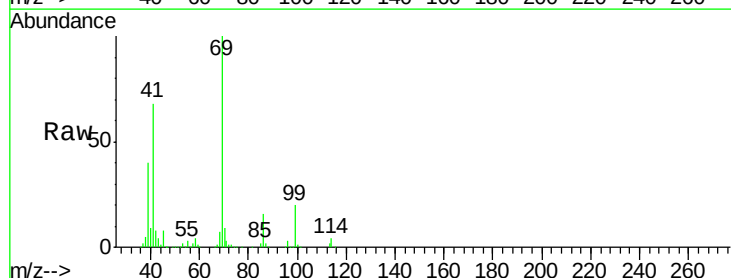
Manual Integrations
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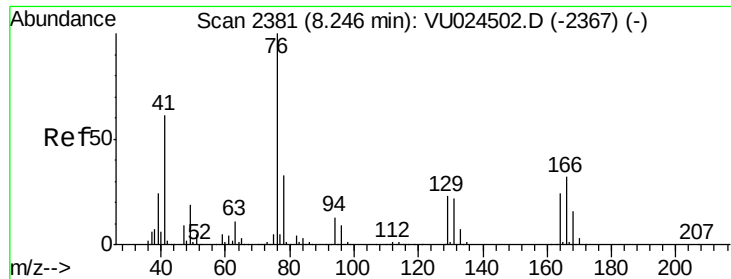
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#56
 Ethyl methacrylate
 Concen: 48.31 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion:	69	Resp:	189151
Ion	Ratio	Lower	Upper
69	100		
41	68.3	54.1	81.1
39	40.1	30.3	45.5





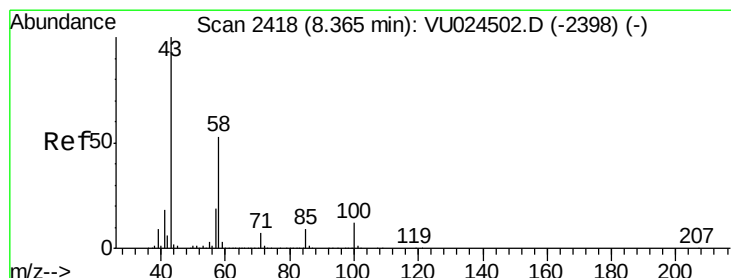
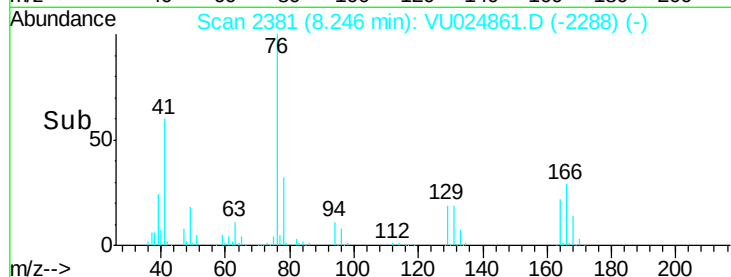
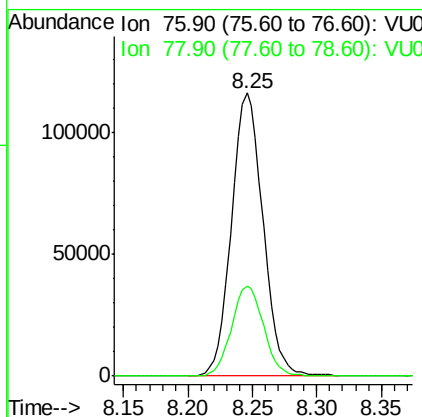
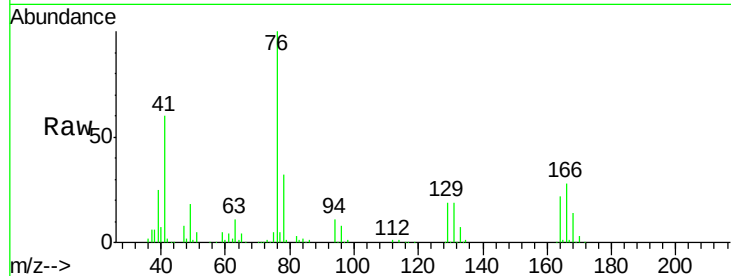
#57
 1,3-Dichloropropane
 Concen: 50.09 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampled :
 S32-0627MS

Tot Ion: 76 Resp: 197641
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.2 37.8

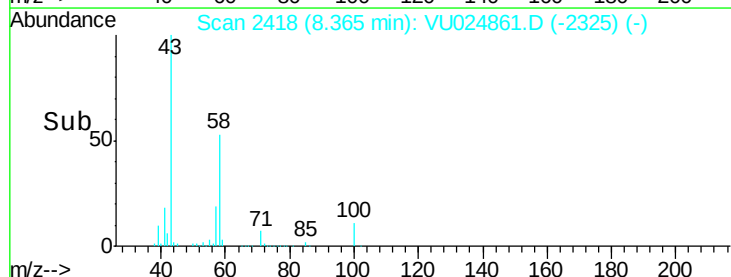
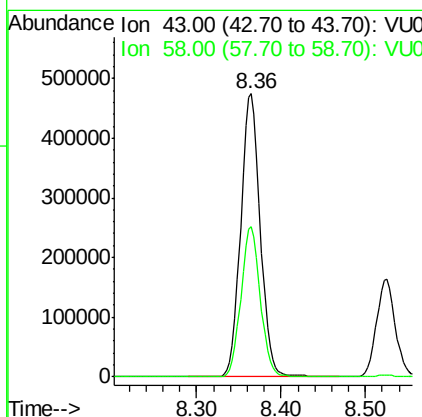
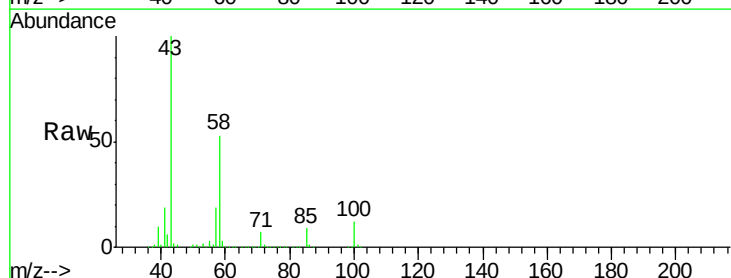
Manual Integrations
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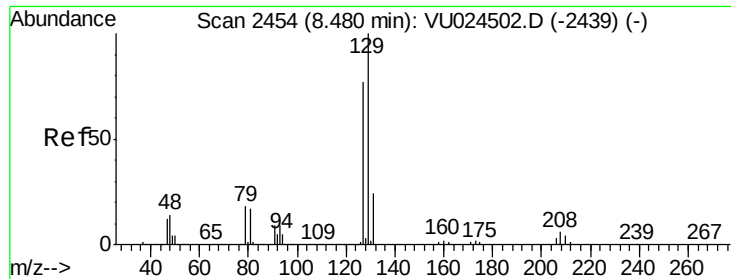
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#59
 2-Hexanone
 Concen: 253.21 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion: 43 Resp: 768039
 Ion Ratio Lower Upper
 43 100
 58 52.7 26.4 79.0





#60

Dibromochloromethane

Concen: 46.86 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion:129 Resp: 136680

Ion Ratio Lower Upper

129 100

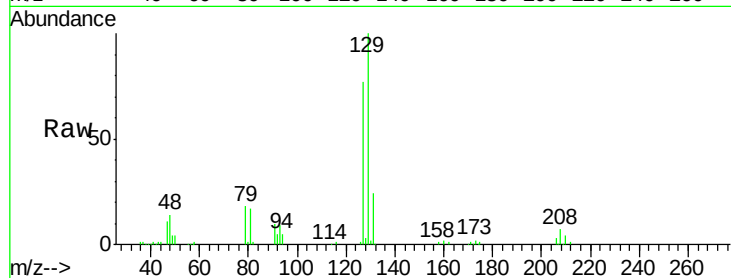
127 77.5 38.6 116.0

Manual Integrations

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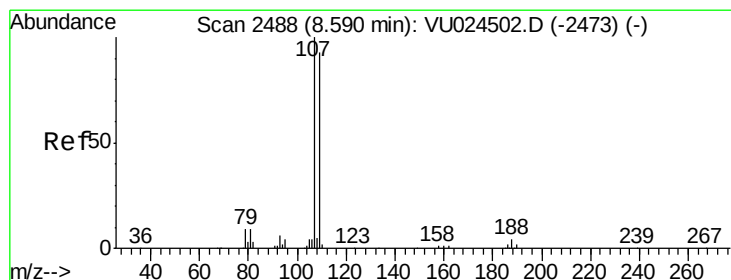
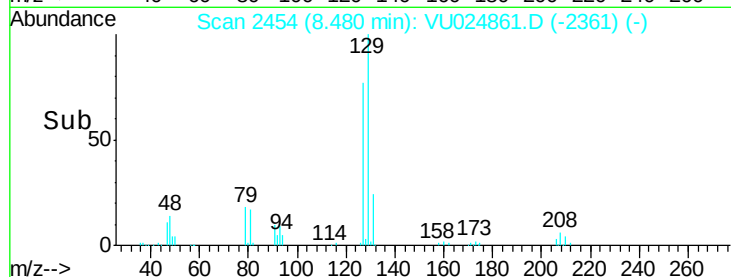
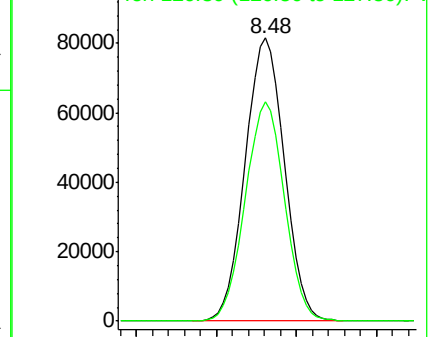
apatel

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.57 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024861.D

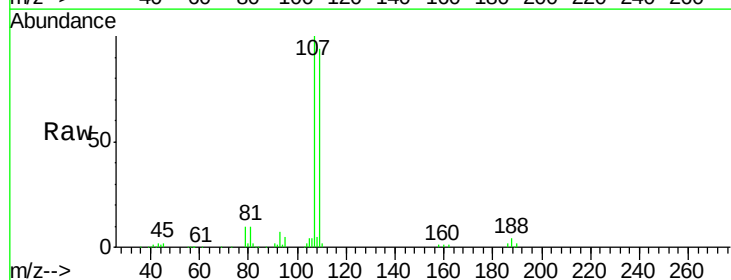
Acq: 23 Jun 2018 03:06

Tgt Ion:107 Resp: 129053

Ion Ratio Lower Upper

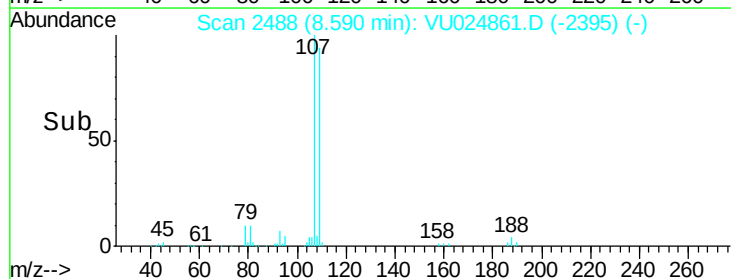
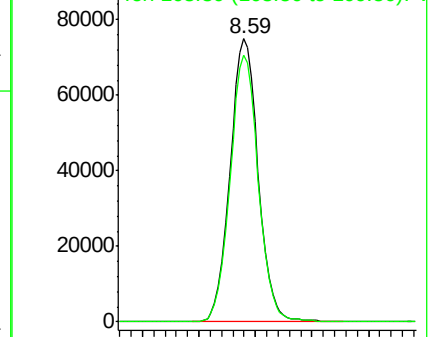
107 100

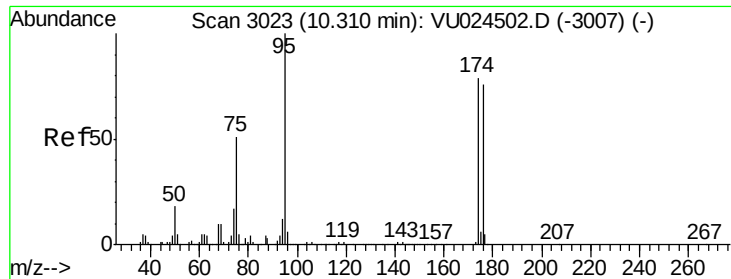
109 94.7 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 42.86 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

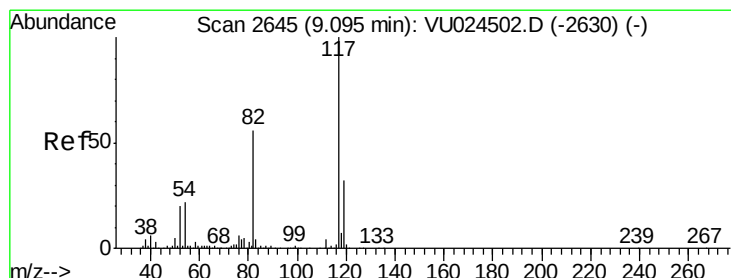
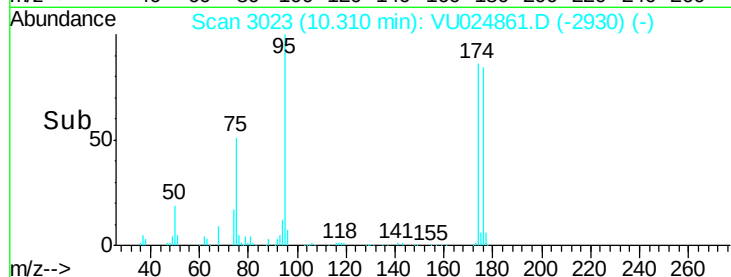
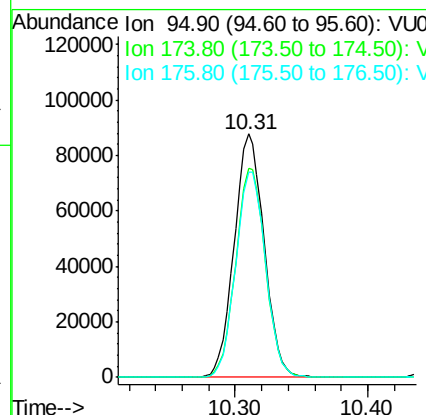
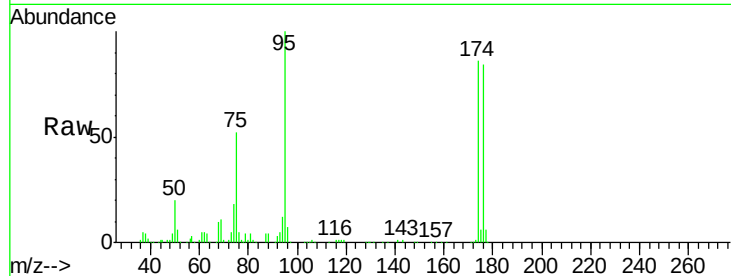
ClientSampleId :

S32-0627MS

Tot Ion:	95	Resp:	137615
Ion Ratio	Lower	Upper	
95	100		
174	85.3	0.0	165.8
176	84.3	0.0	159.4

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#63

Chlorobenzene-d5

Concen: 50.00 ug/l

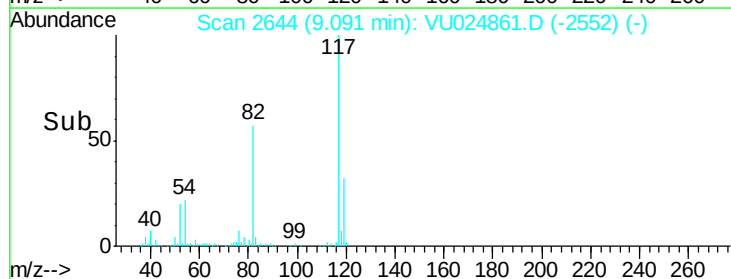
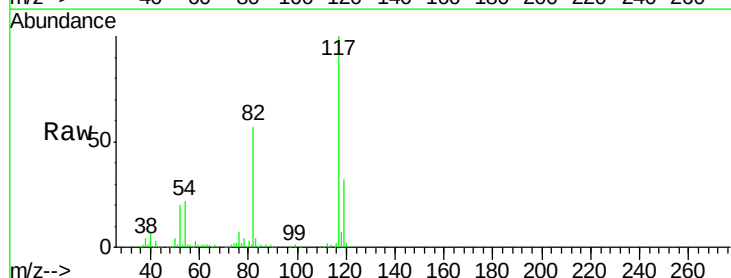
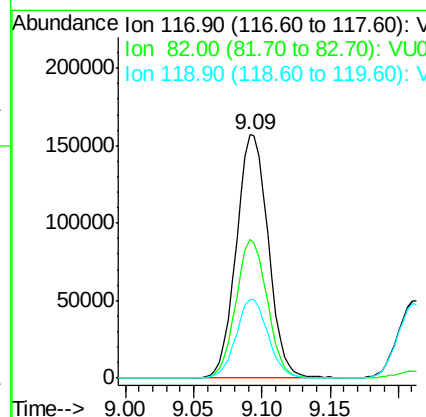
RT: 9.09 min Scan# 2644

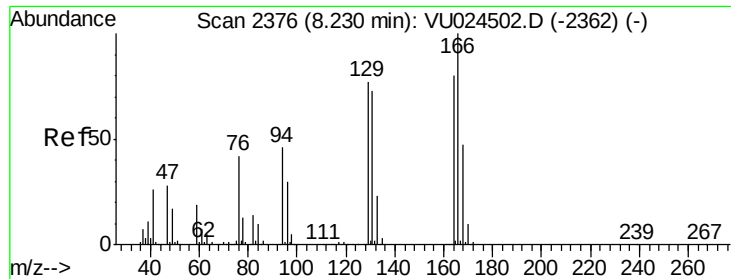
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	117	Resp:	256243
Ion Ratio	Lower	Upper	
117	100		
82	56.7	44.3	66.5
119	32.4	25.4	38.2





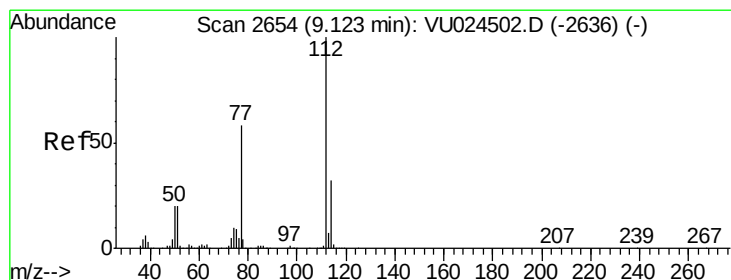
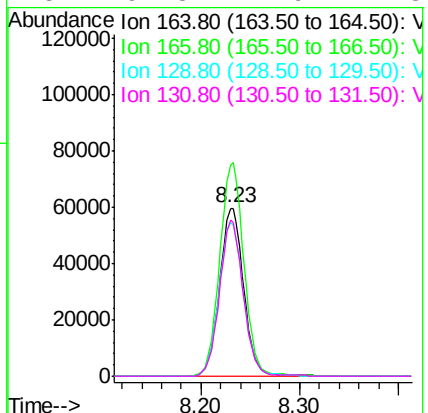
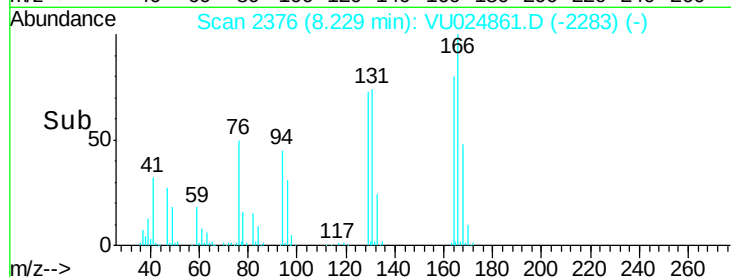
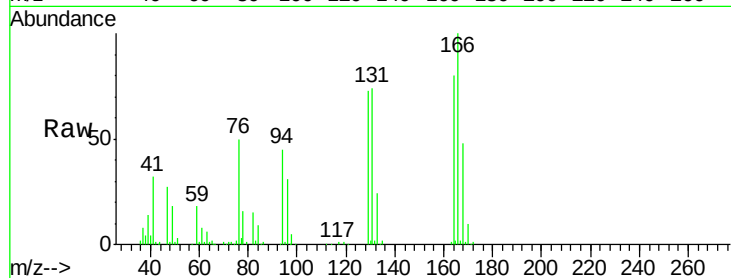
#64
Tetrachloroethene
Concen: 42.12 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.7	101.7	152.5	
129	91.7	76.9	115.3	
131	92.8	74.9	112.3	

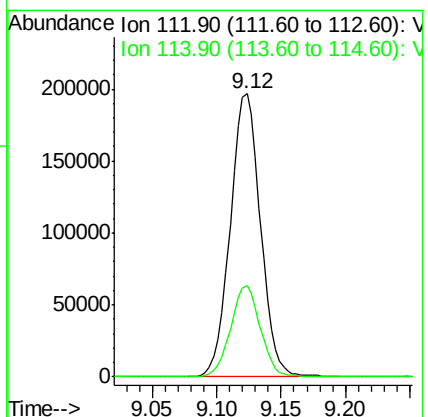
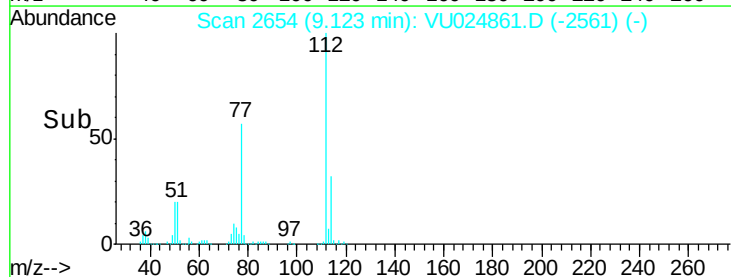
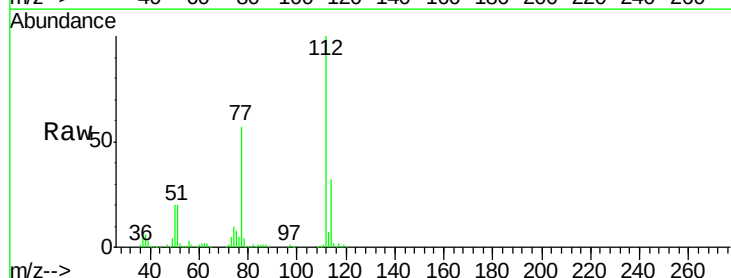
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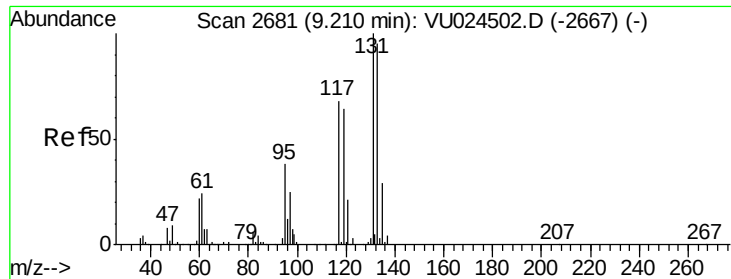
apatel
6/26/2018 11:59:50 AM



#65
Chlorobenzene
Concen: 48.81 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.2	25.6	38.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 49.03 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

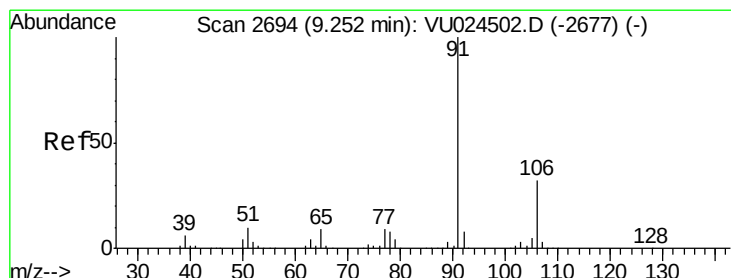
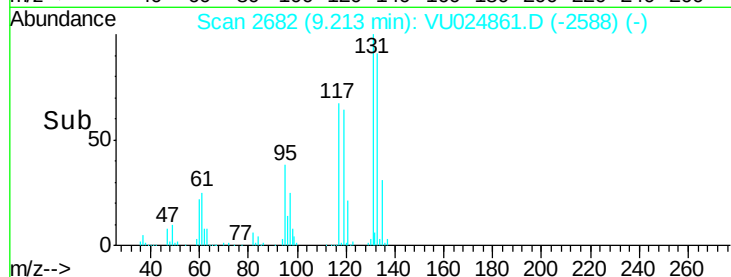
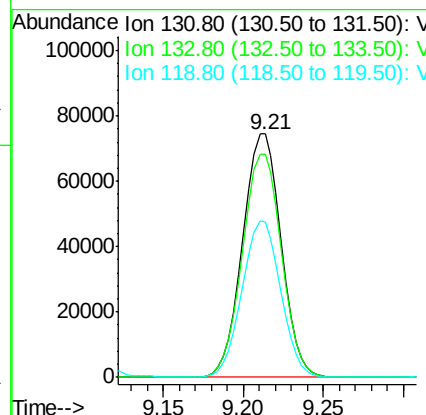
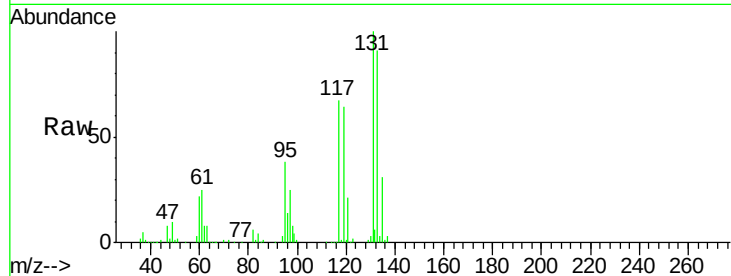
ClientSampleId :

S32-0627MS

Tot Ion:	131	Resp:	121945
Ion Ratio	Lower	Upper	
131	100		
133	93.6	46.9	140.8
119	64.5	33.5	100.4

Manual Integrations
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#67

Ethyl Benzene

Concen: 47.83 ug/l

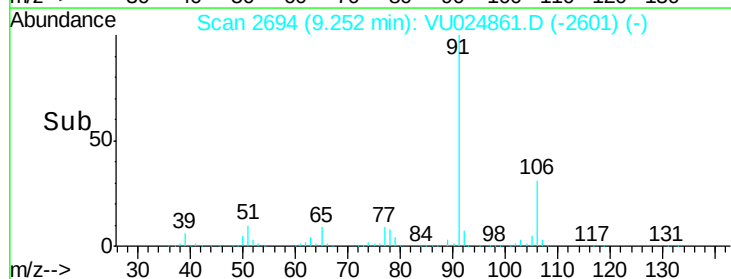
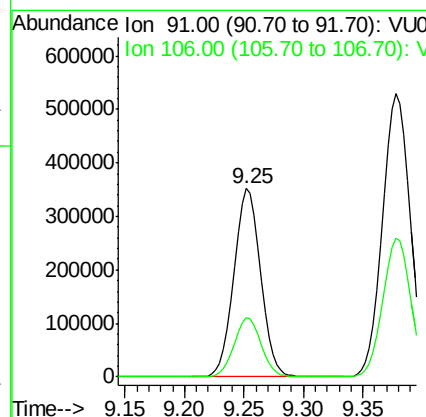
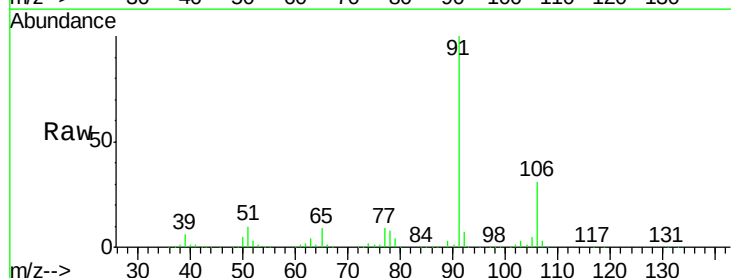
RT: 9.25 min Scan# 2694

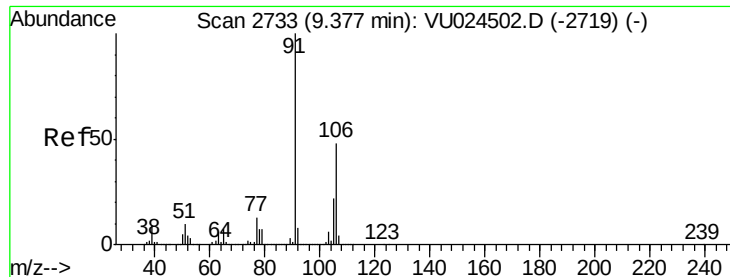
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	91	Resp:	548941
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.2	36.4





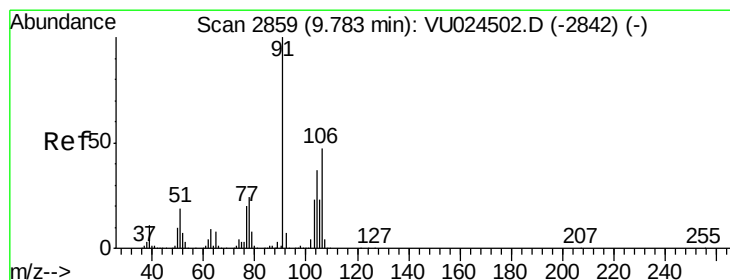
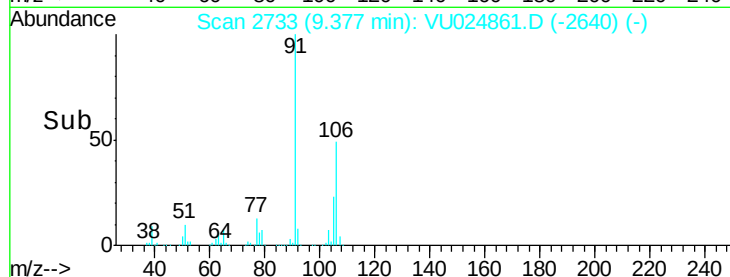
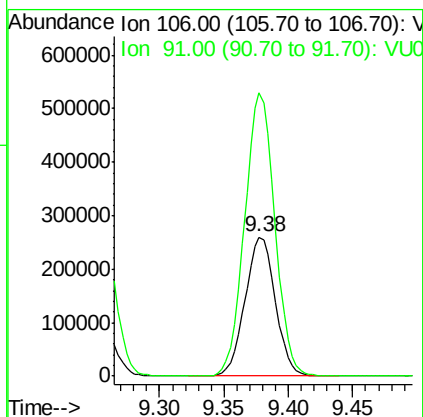
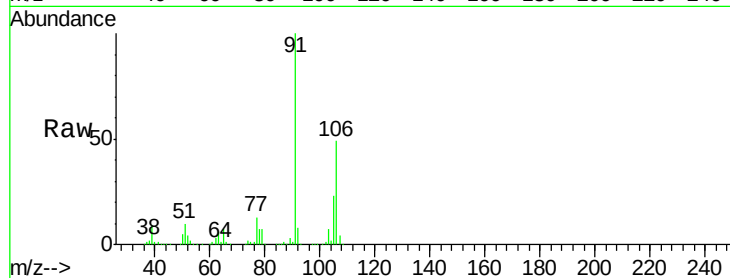
#68
m/p-Xylenes
Concen: 96.30 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampled :
S32-0627MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	203.3	166.5	249.7		

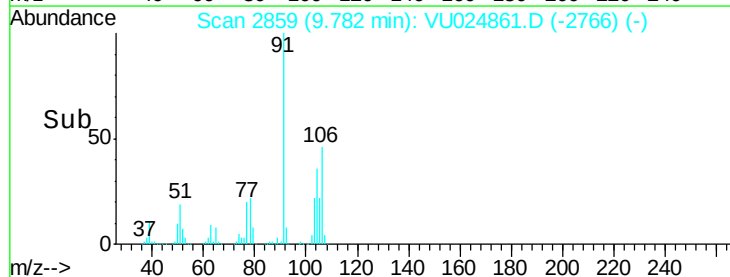
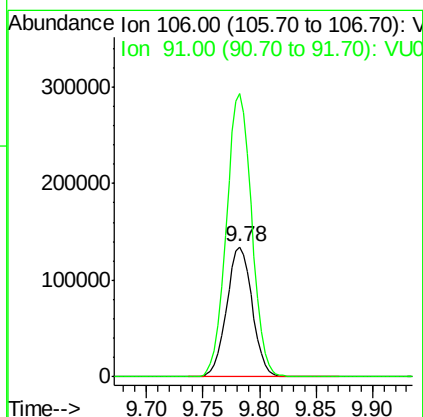
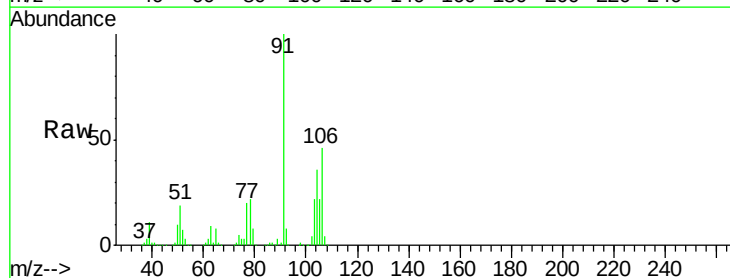
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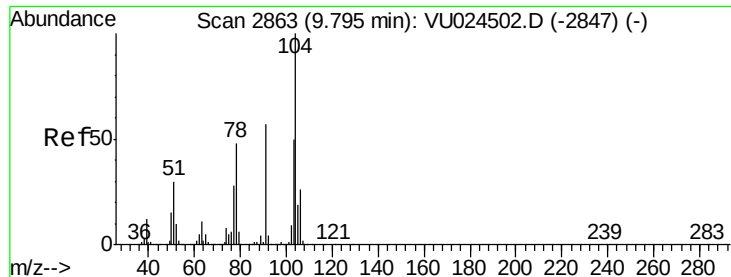
apatel
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#69
o-Xylene
Concen: 48.46 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.1	110.7	331.9		





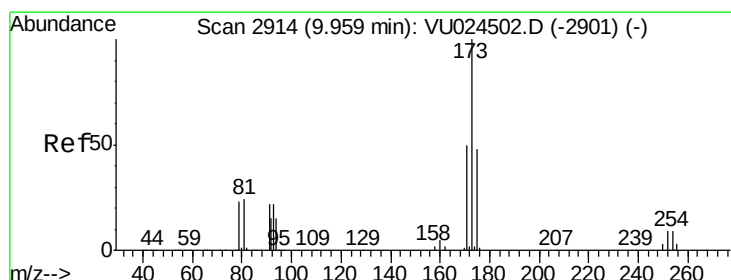
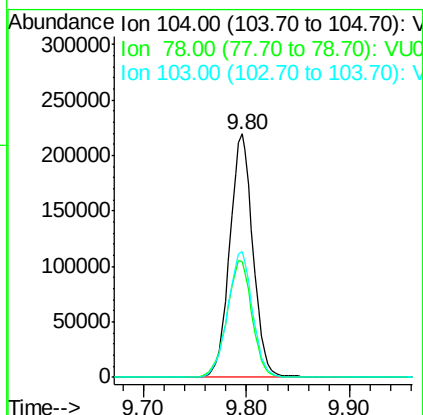
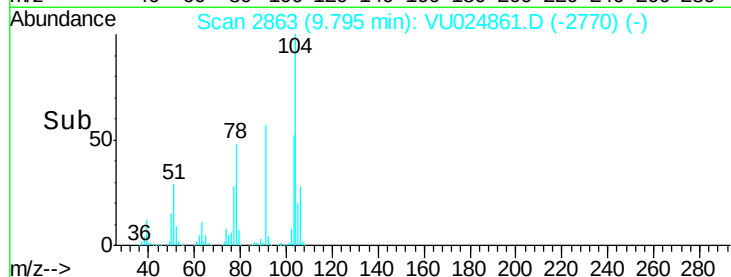
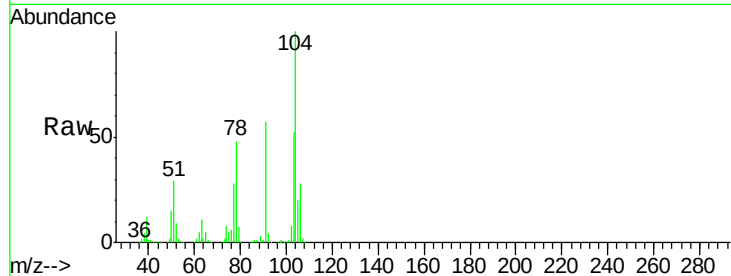
#70
Stvrene
Concen: 47.98 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.6	60.8
103	55.0	44.7	67.1

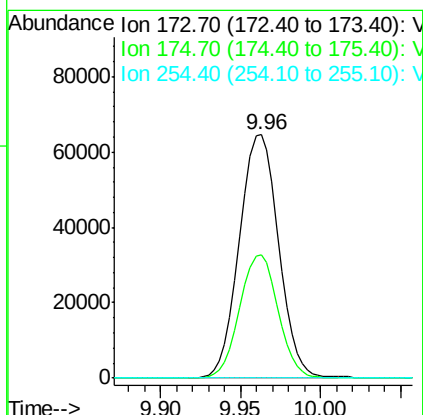
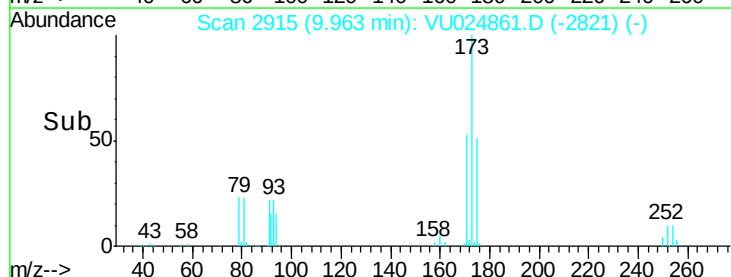
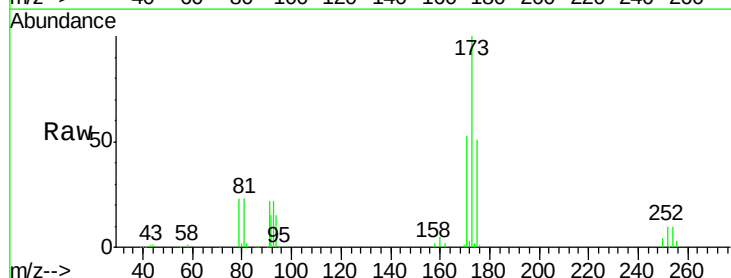
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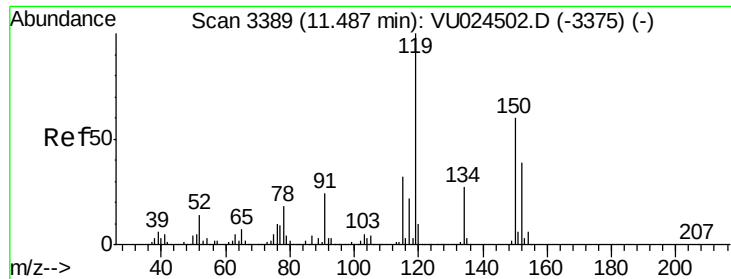
apatel
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#71
Bromoform
Concen: 45.74 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion:152 Resp: 155489

Ion Ratio Lower Upper

152 100

115 83.8 43.0 129.0

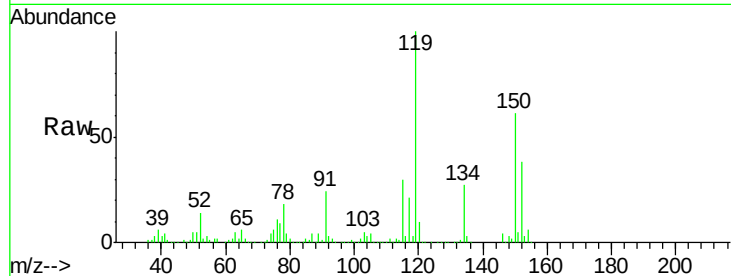
150 174.0 0.0 354.0

Manual Integrations

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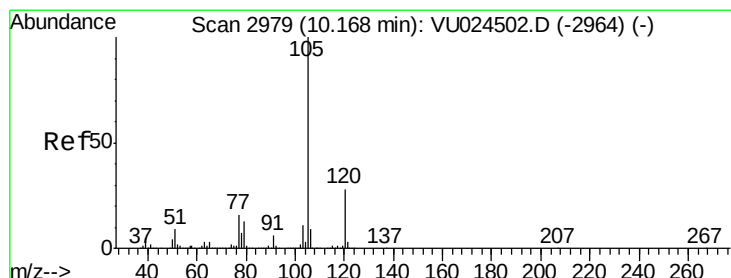
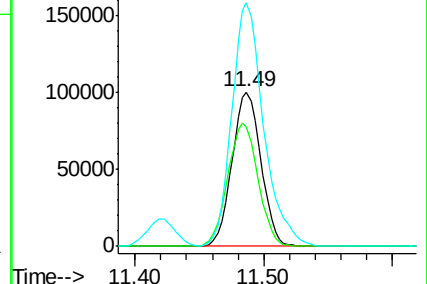
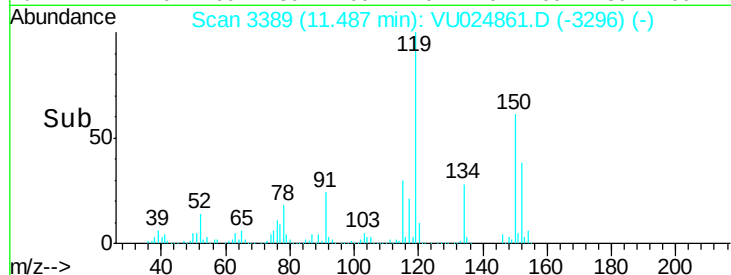
6/26/2018 11:59:50 AM



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: 48.48 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024861.D

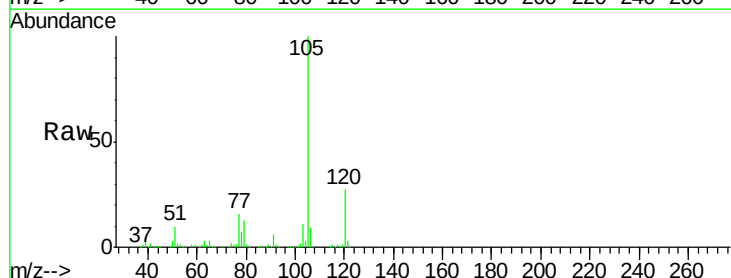
Acq: 23 Jun 2018 03:06

Tgt Ion:105 Resp: 578798

Ion Ratio Lower Upper

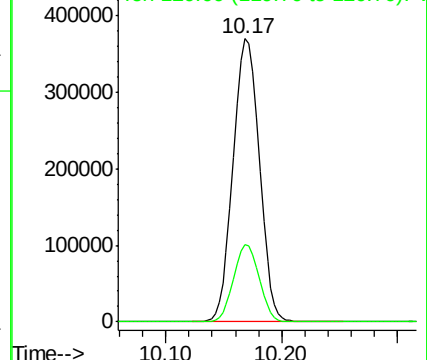
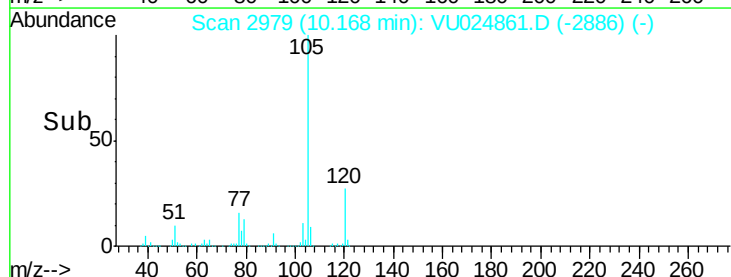
105 100

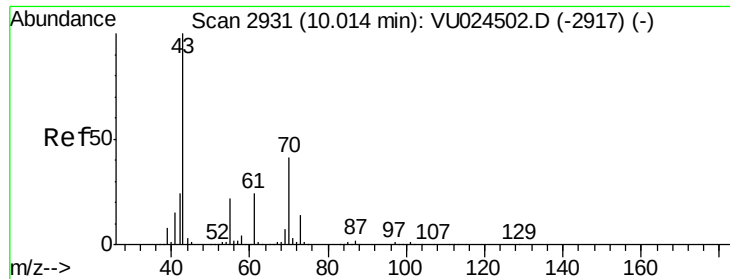
120 26.8 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.31 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

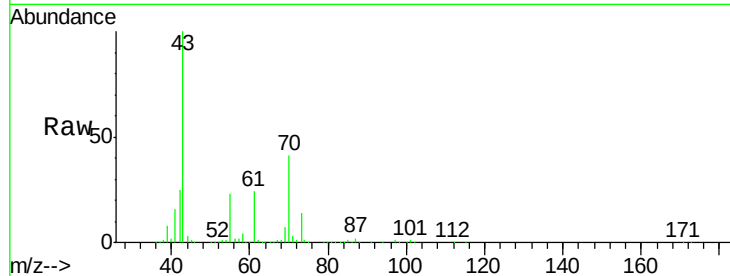
ClientSampleId :

S32-0627MS

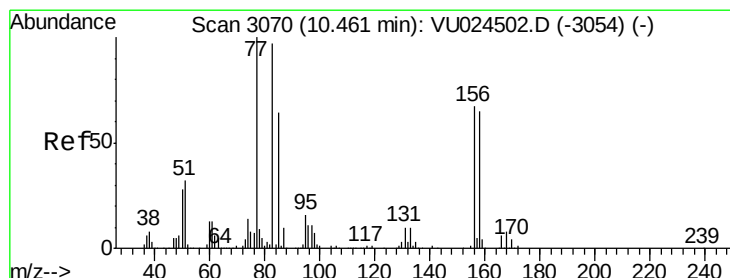
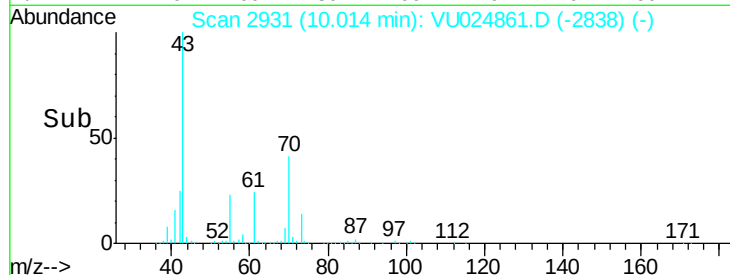
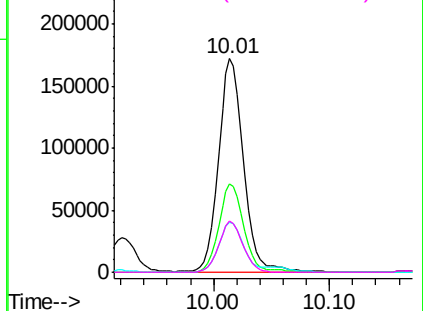
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	41.5	32.2	48.4	
55	23.4	20.5	30.7	
61	23.2	18.7	28.1	

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Abundance Ion 43.00 (42.70 to 43.70): VU024861.D (-2917) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 50.10 ug/l

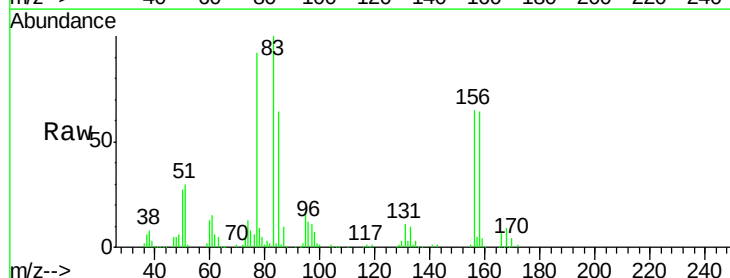
RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

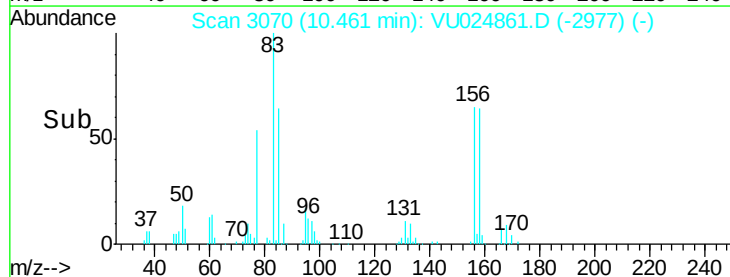
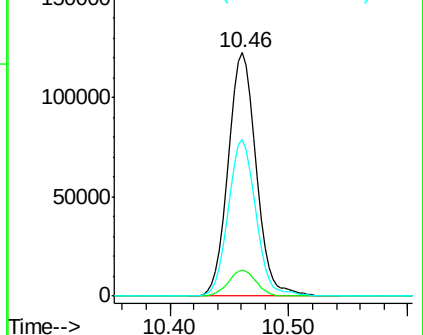
Lab File: VU024861.D

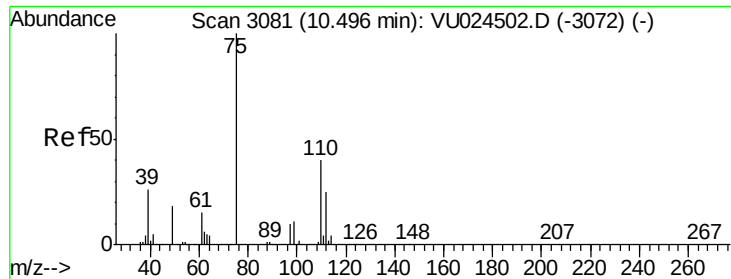
Acq: 23 Jun 2018 03:06

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.5	4.7	14.1	
85	63.6	32.5	97.5	



Abundance Ion 82.90 (82.60 to 83.60): VU024861.D (-3054) (-)





#76

1,2,3-Trichloropropane

Concen: 54.56 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 75 Resp: 186767

Ion Ratio Lower Upper

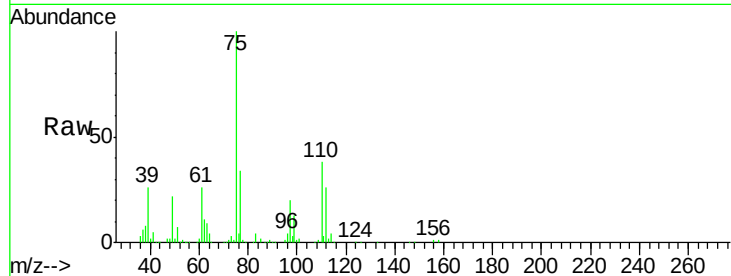
75 100

77 38.8 20.9 62.7

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Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3072) (-)

150000

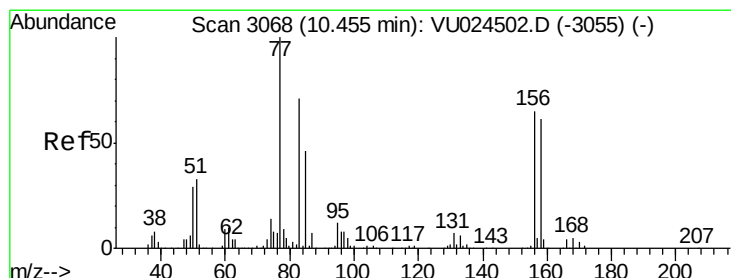
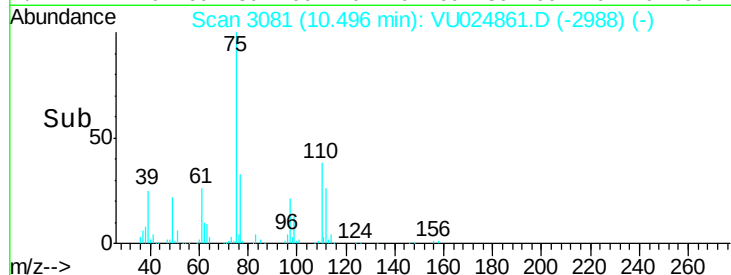
100000

50000

0

10.45 10.50

Time-->



#77

Bromobenzene

Concen: 48.35 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

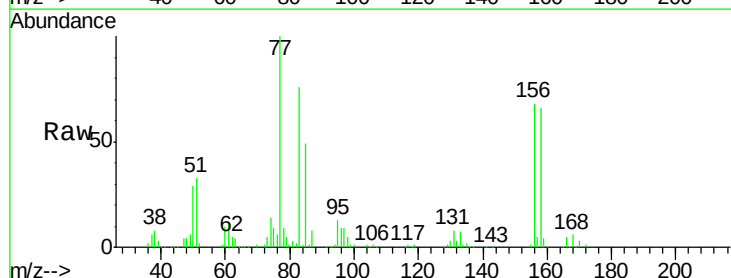
Tgt Ion: 156 Resp: 146134

Ion Ratio Lower Upper

156 100

77 150.4 80.5 241.3

158 97.6 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024502.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3055) (-)

Ion 157.80 (157.50 to 158.50): VU024502.D (-3055) (-)

150000

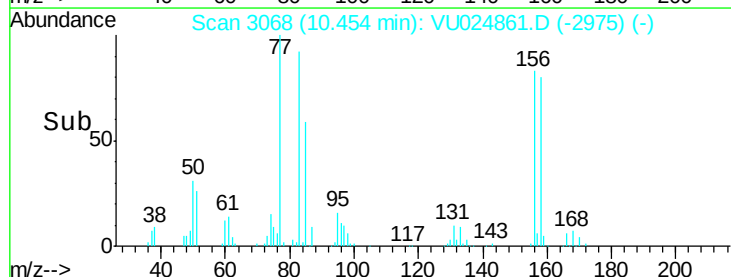
100000

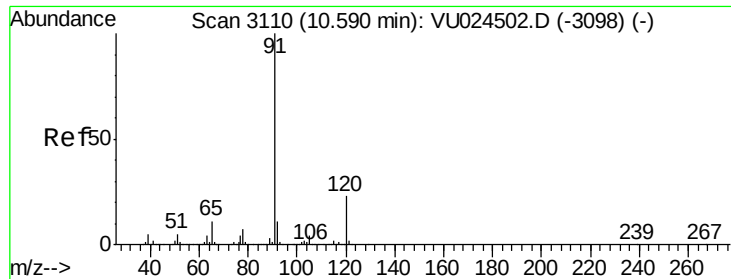
50000

0

10.40 10.50

Time-->





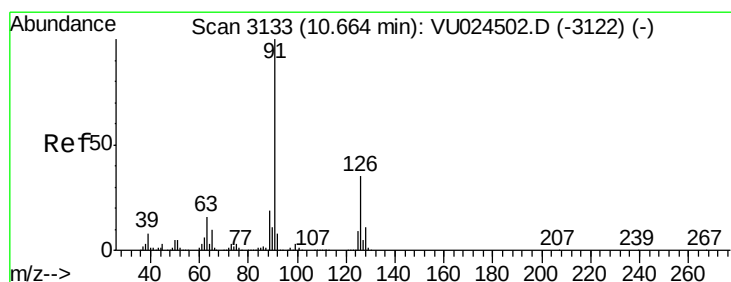
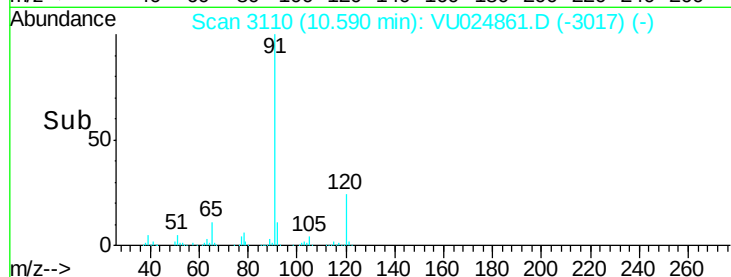
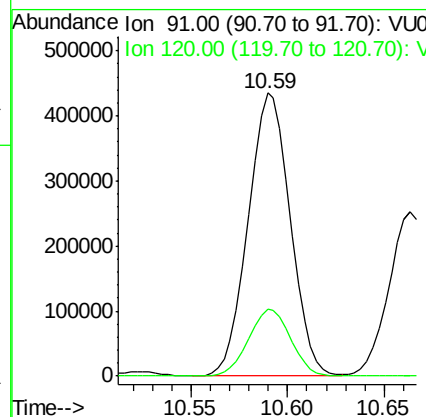
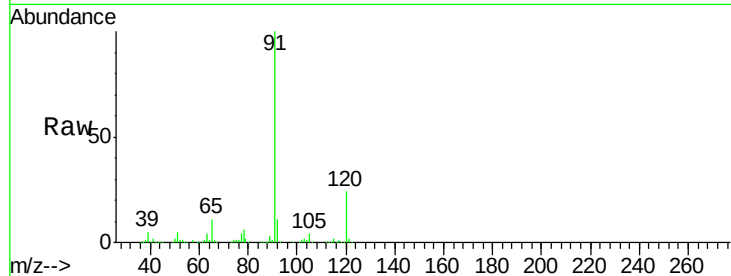
#78
n-propylbenzene
Concen: 46.81 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Instrument :
MSVOA_U
ClientSampleId :
S32-0627MS

Tot Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5

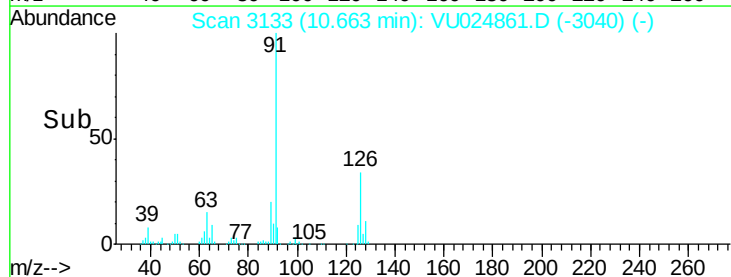
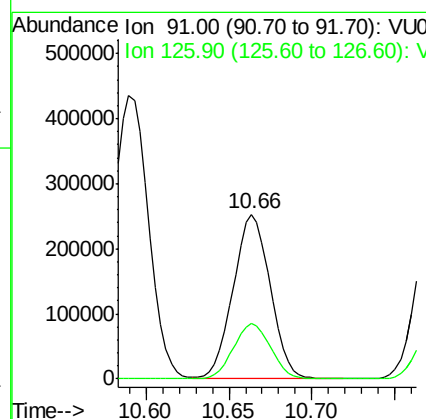
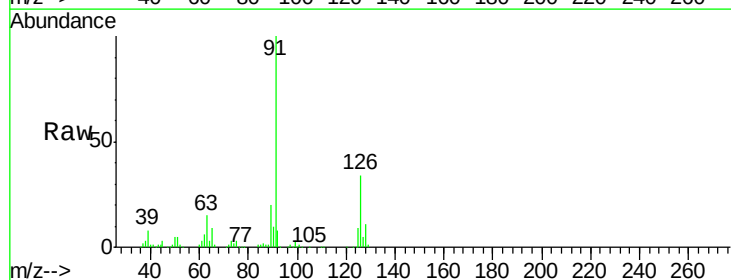
Manual Integrations
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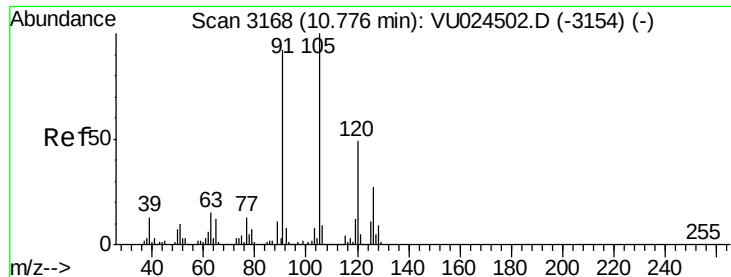
apatel
6/26/2018 11:59:50 AM



#79
2-Chlorotoluene
Concen: 47.30 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. -0.00 min
Lab File: VU024861.D
Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.7





#80

1,3,5-Trimethylbenzene

Concen: 47.61 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 105 Resp: 492641

Ion Ratio Lower Upper

105 100

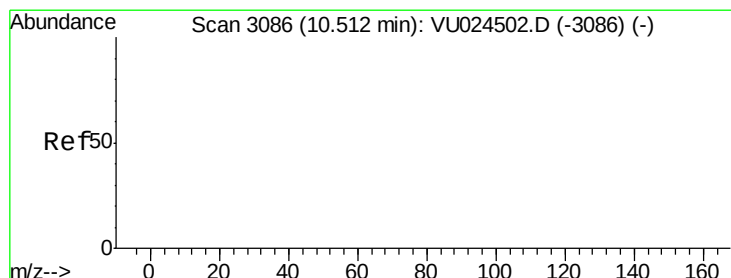
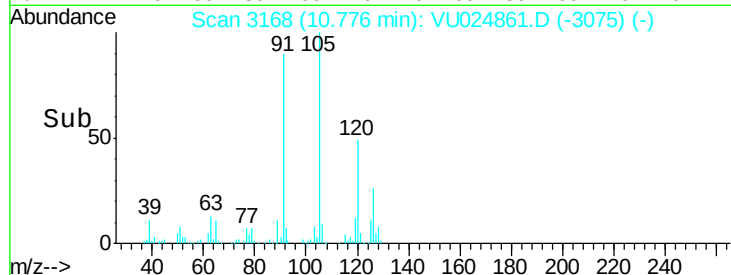
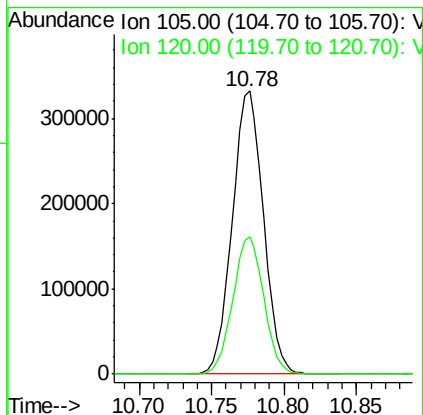
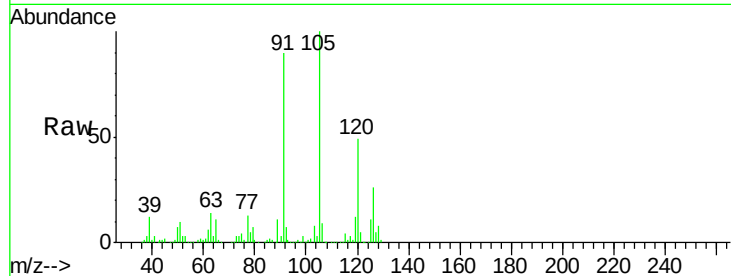
120 48.3 24.1 72.2

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 39.85 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

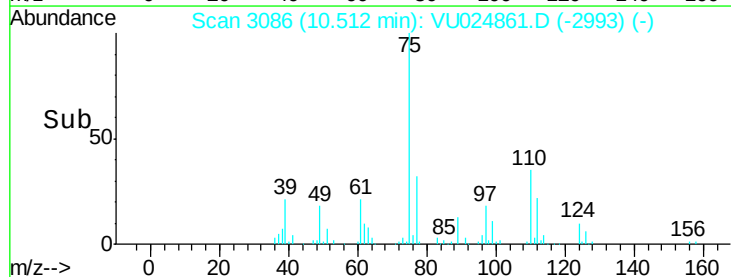
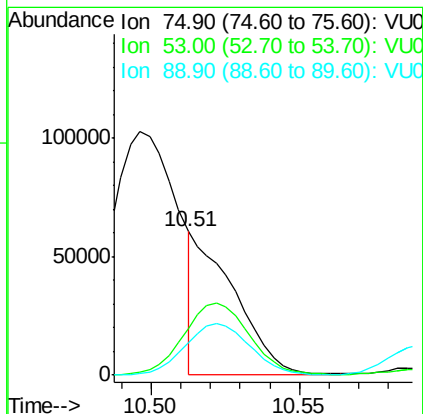
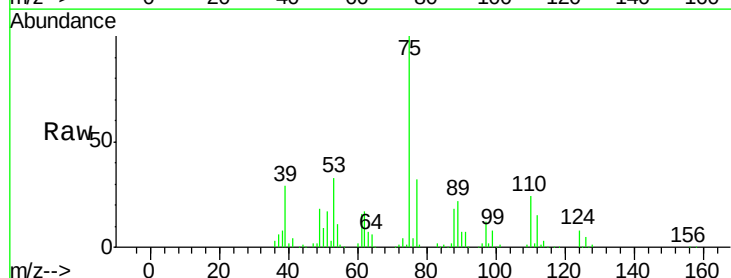
Tgt Ion: 75 Resp: 58945

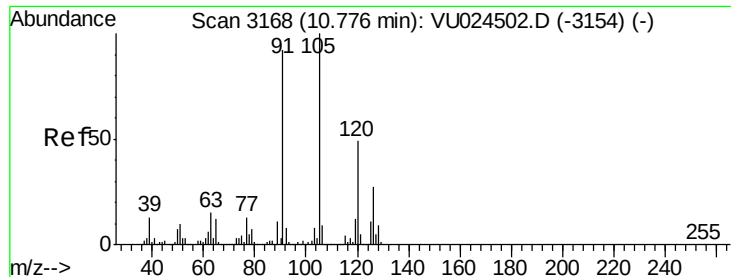
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 47.27 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion: 91 Resp: 456277

Ion Ratio Lower Upper

91 100

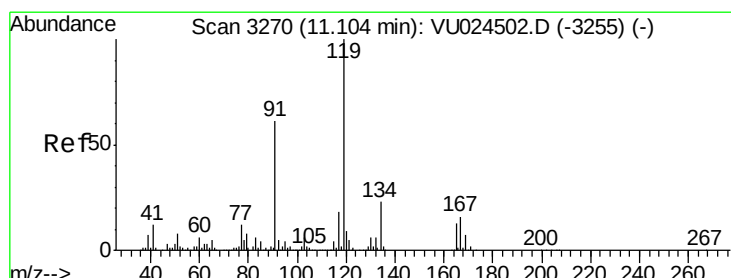
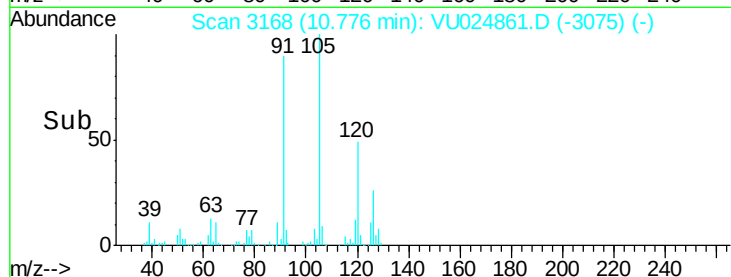
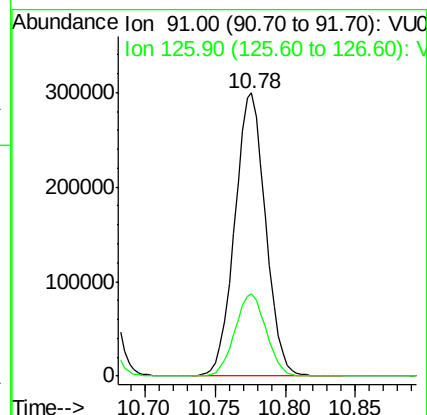
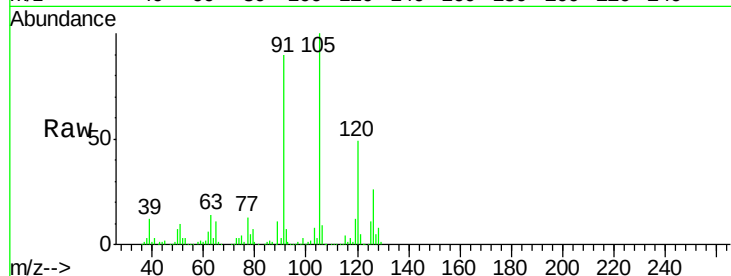
126 29.7 14.9 44.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 50.34 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

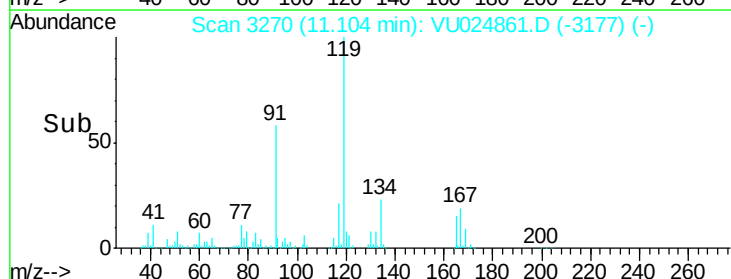
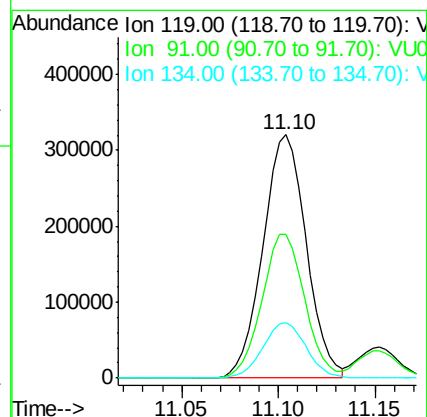
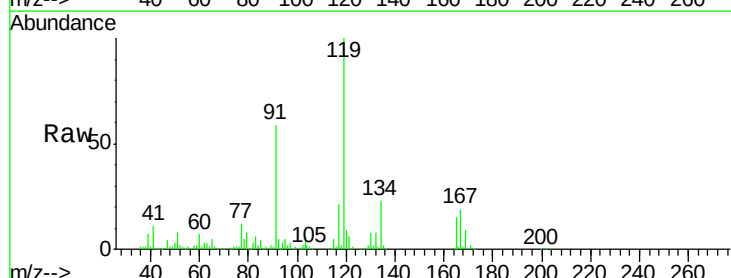
Tgt Ion: 119 Resp: 501013

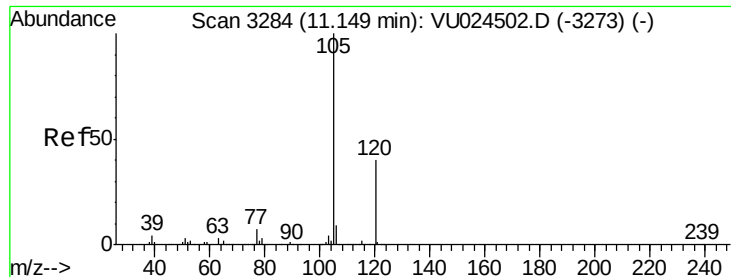
Ion Ratio Lower Upper

119 100

91 58.6 29.7 89.1

134 22.7 11.6 34.7





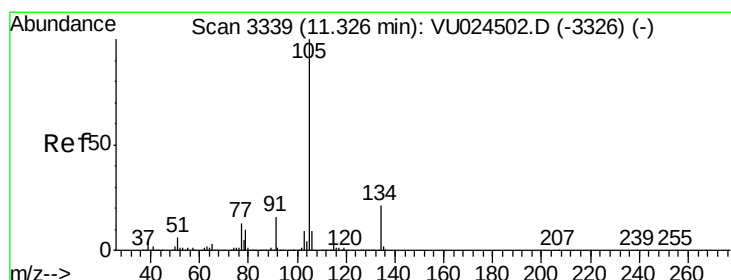
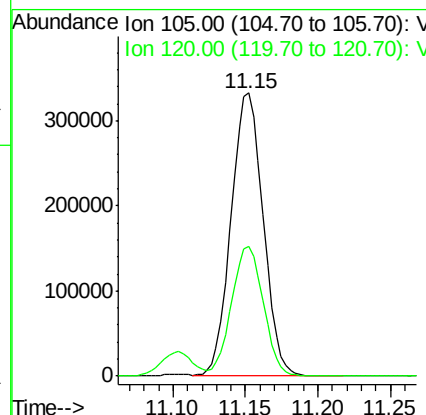
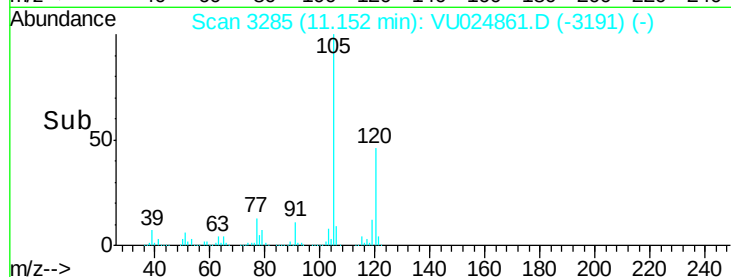
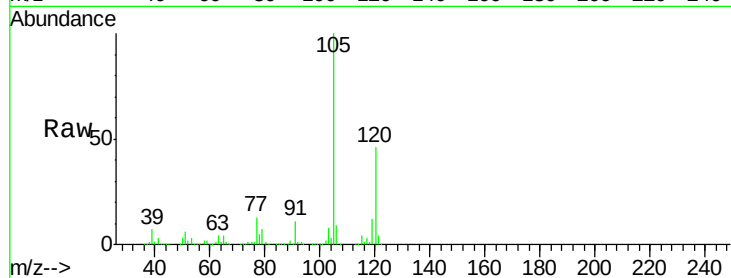
#84
 1,2,4-Trimethylbenzene
 Concen: 48.27 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8

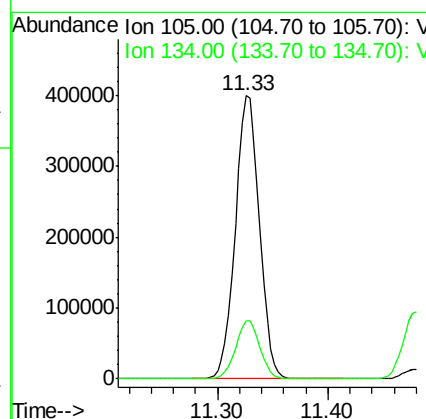
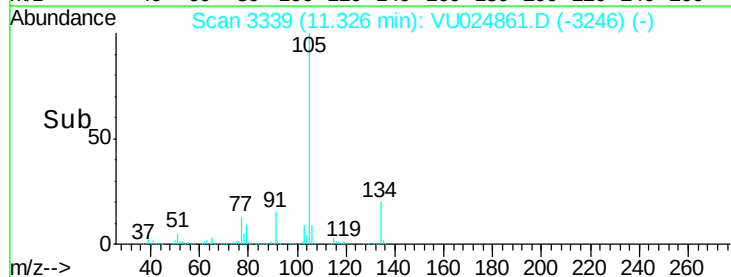
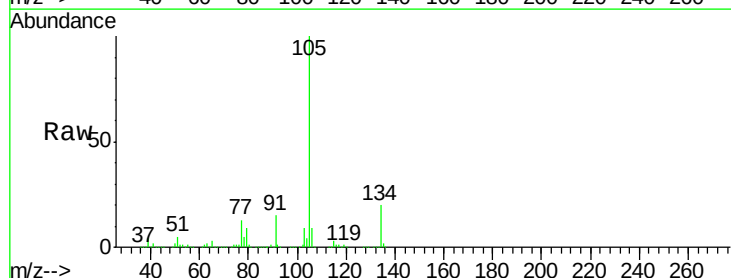
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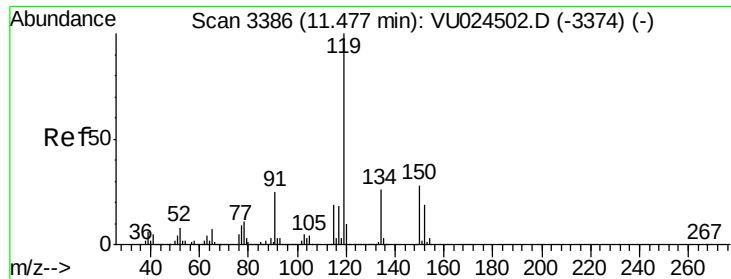
apatel
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#85
 sec-Butylbenzene
 Concen: 48.58 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.7	29.1





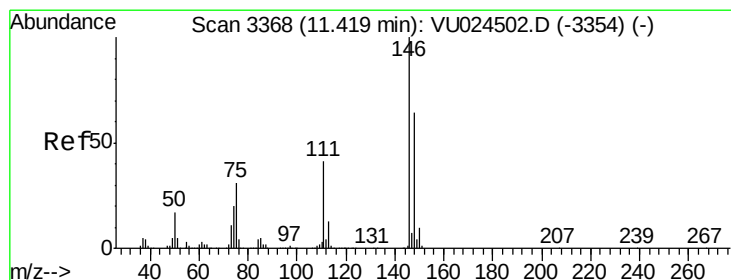
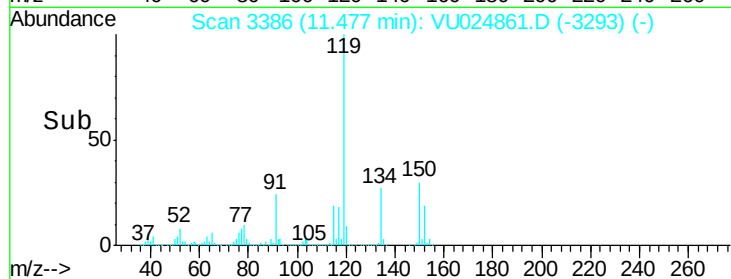
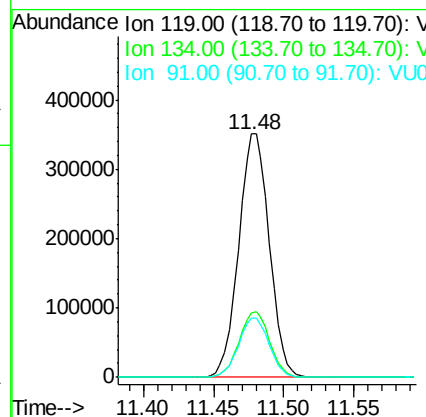
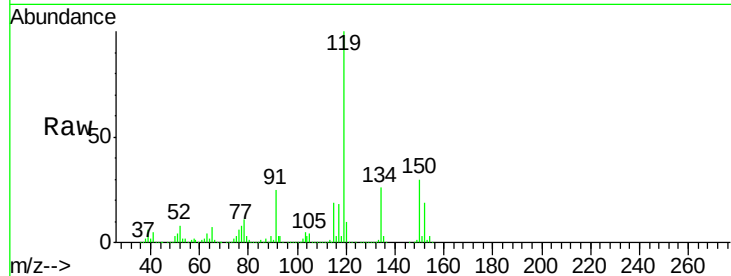
#86
 p-Isopropyltoluene
 Concen: 47.75 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	26.8	12.9	38.6
91	24.5	12.0	36.1

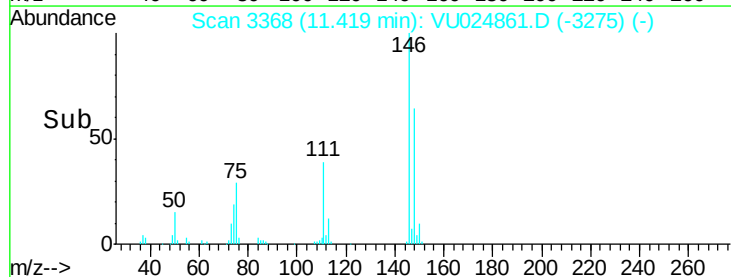
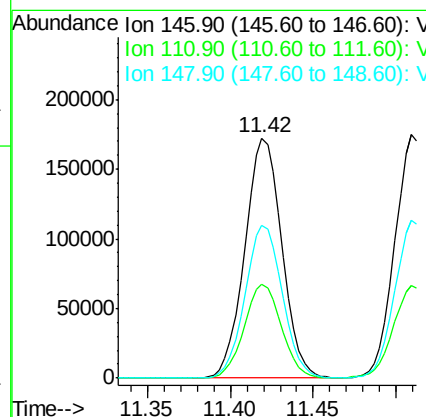
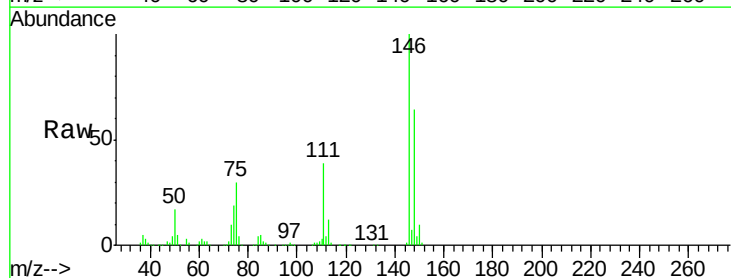
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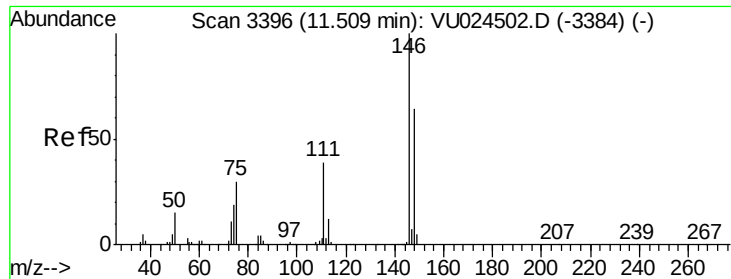
apatel
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#87
 1,3-Dichlorobenzene
 Concen: 47.98 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.3	20.0	60.0
148	64.0	32.1	96.5





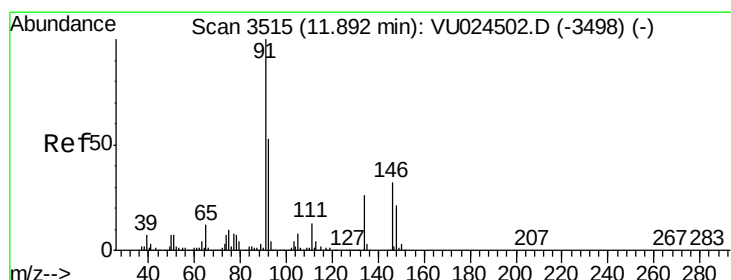
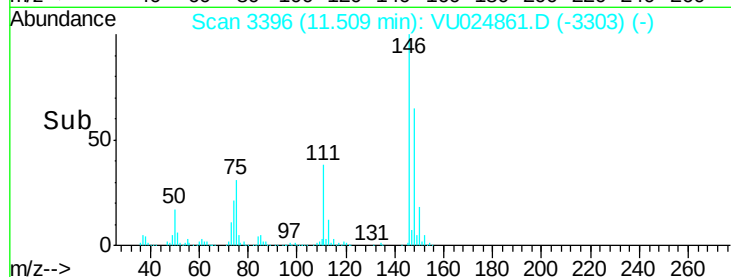
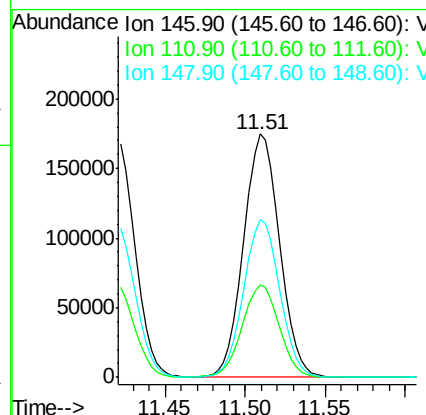
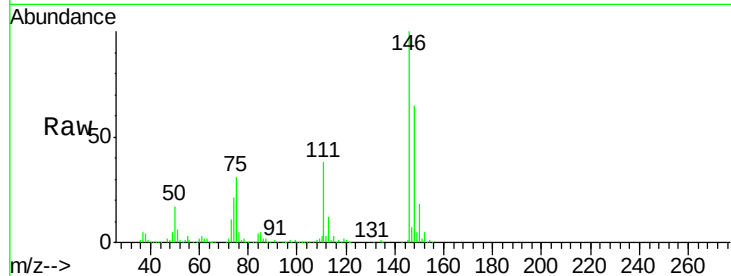
#88
 1,4-Dichlorobenzene
 Concen: 47.59 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	65.0	32.4	97.0

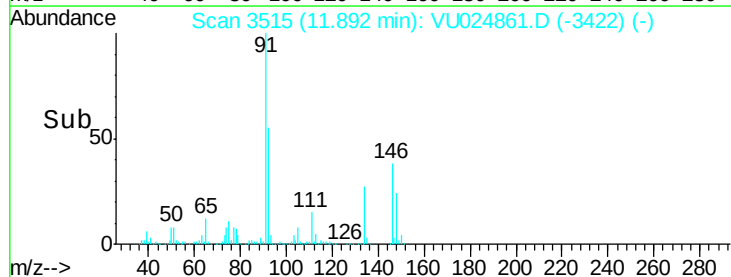
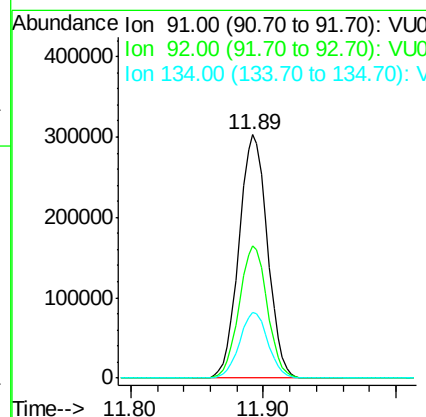
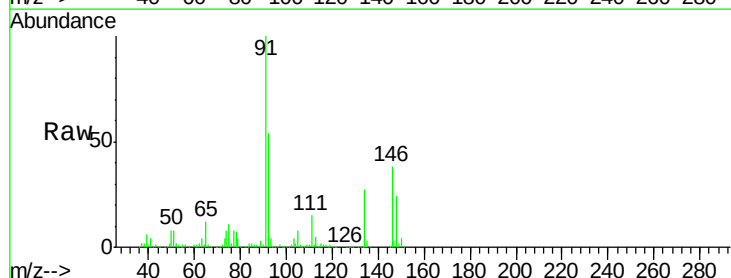
Manual Integrations
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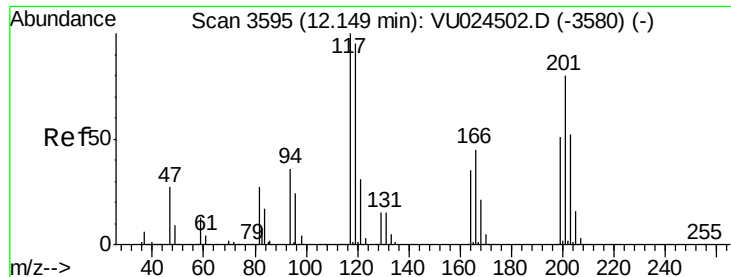
apatel
 6/26/2018 11:59:50 AM



#89
 n-Butylbenzene
 Concen: 45.59 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	25.6	76.8
134	26.8	12.3	36.8





#90

Hexachloroethane

Concen: 44.70 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

ClientSampleId :

S32-0627MS

Tot Ion:117 Resp: 97300

Ion Ratio Lower Upper

117 100

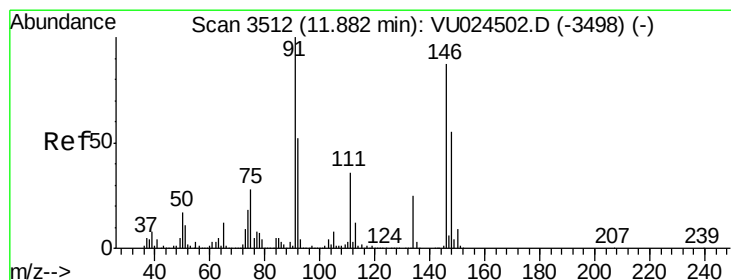
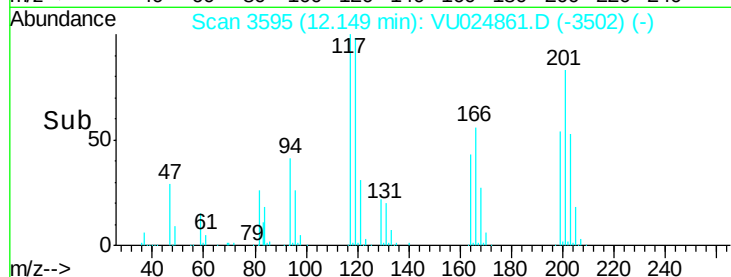
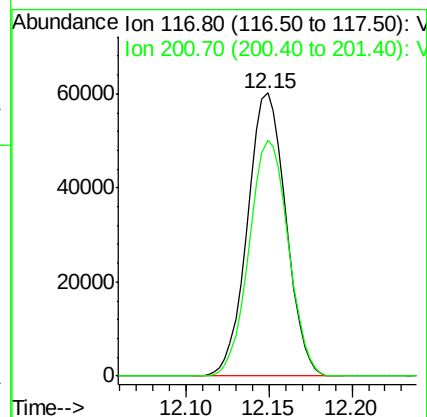
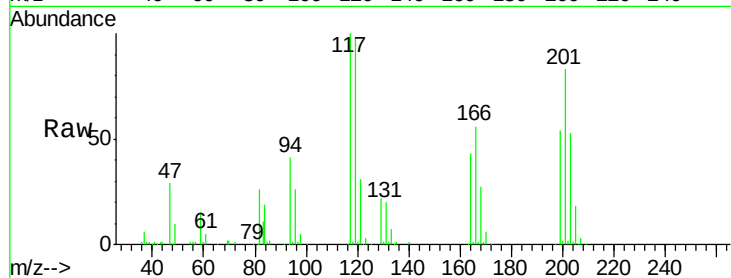
201 84.7 41.1 123.3

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#91

1,2-Dichlorobenzene

Concen: 49.98 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

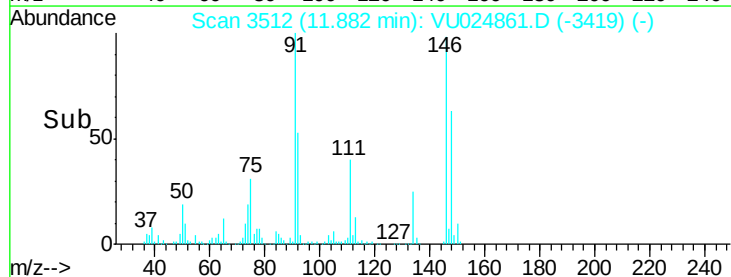
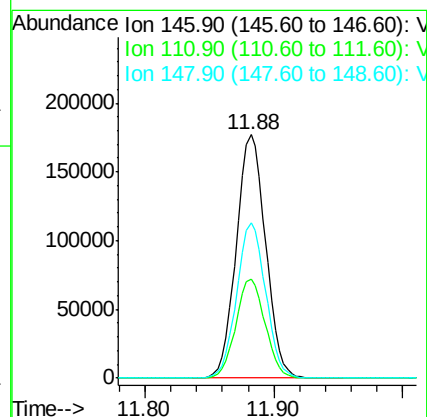
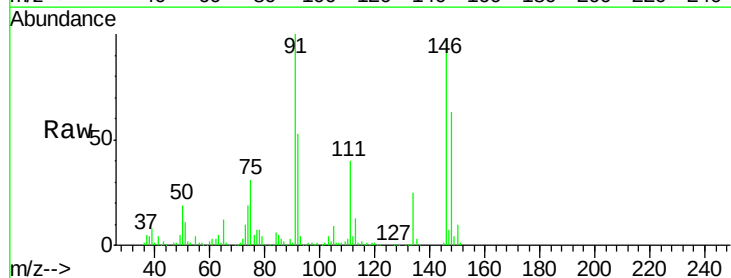
Tgt Ion:146 Resp: 279517

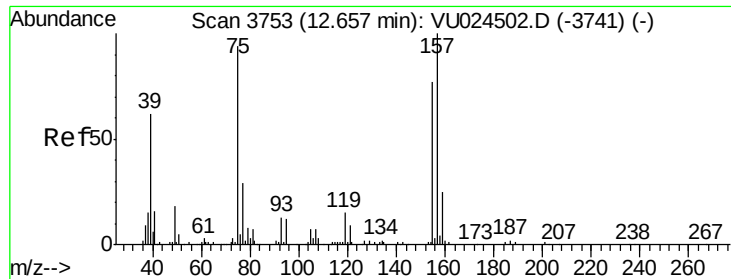
Ion Ratio Lower Upper

146 100

111 40.7 20.5 61.6

148 62.9 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 50.24 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

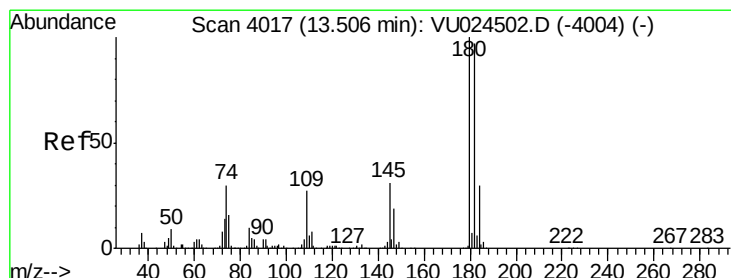
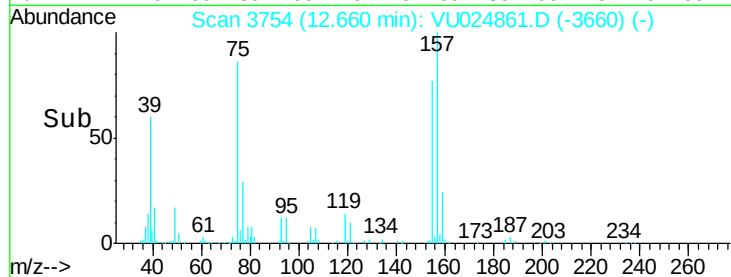
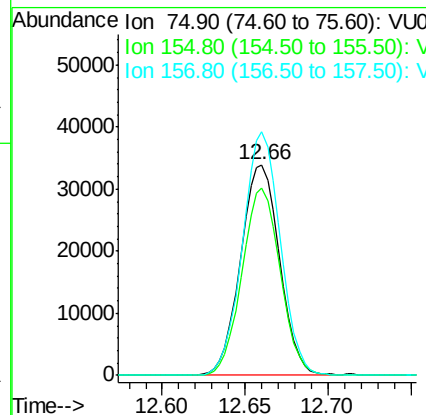
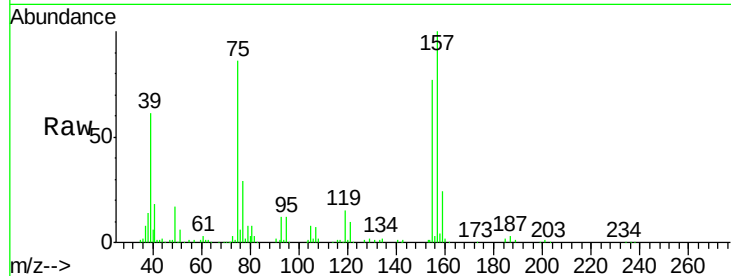
ClientSampled :

S32-0627MS

Tot Ion:	75	Resp:	55458
Ion	Ratio	Lower	Upper
75	100		
155	87.0	40.4	121.2
157	111.7	52.3	156.8

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#93

1,2,4-Trichlorobenzene

Concen: 55.10 ug/l

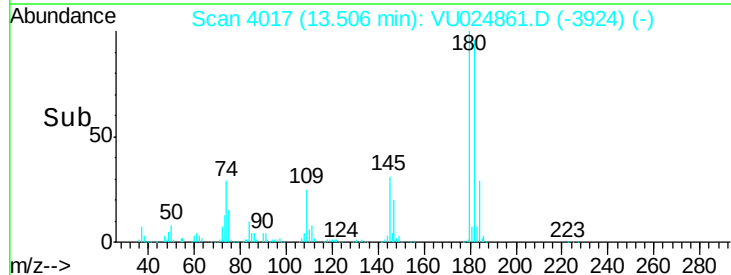
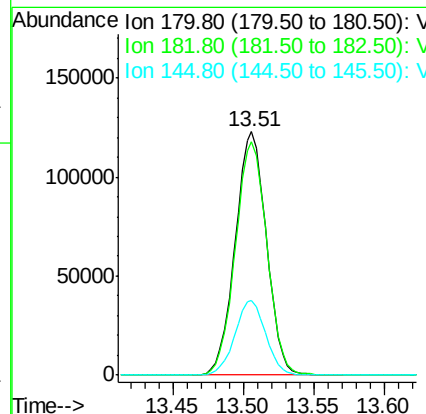
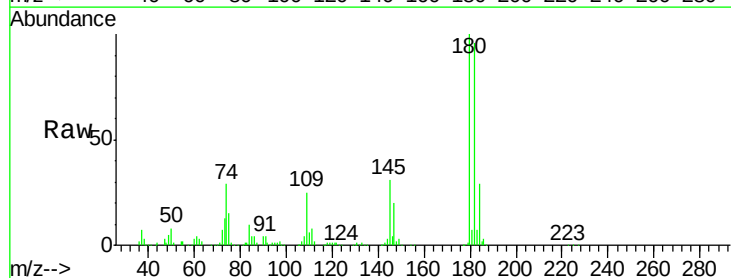
RT: 13.51 min Scan# 4017

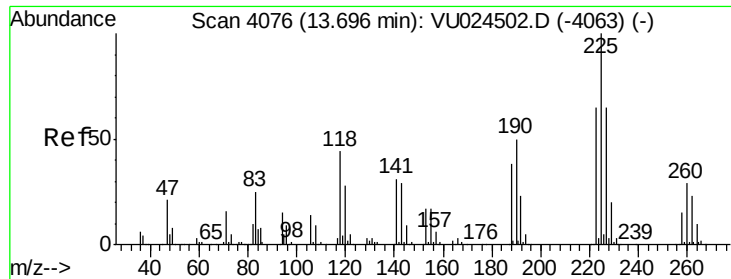
Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	180	Resp:	190275
Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.0	144.2
145	30.4	14.7	44.1





#94

Hexachlorobutadiene

Concen: 49.76 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Instrument :

MSVOA_U

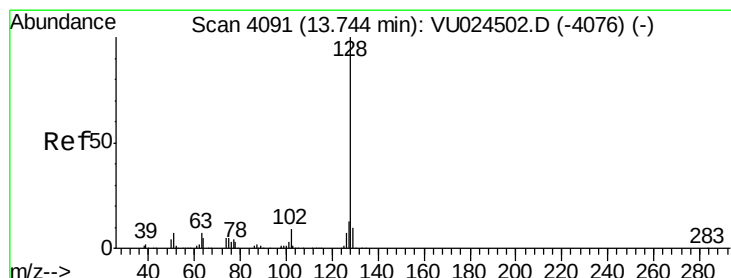
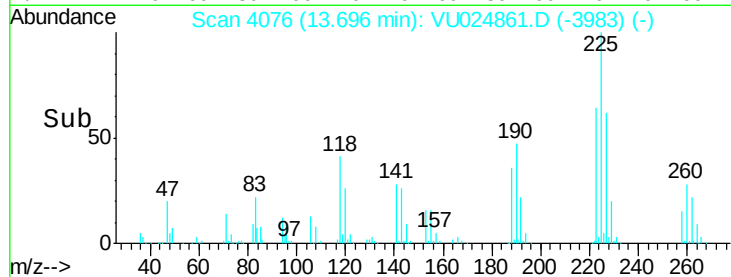
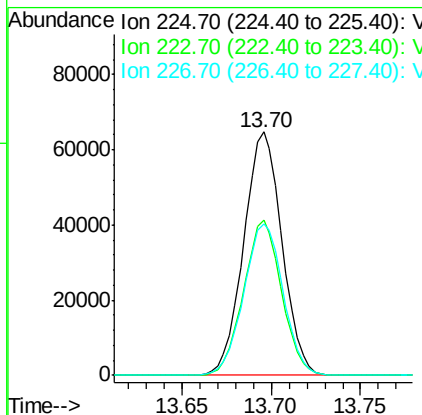
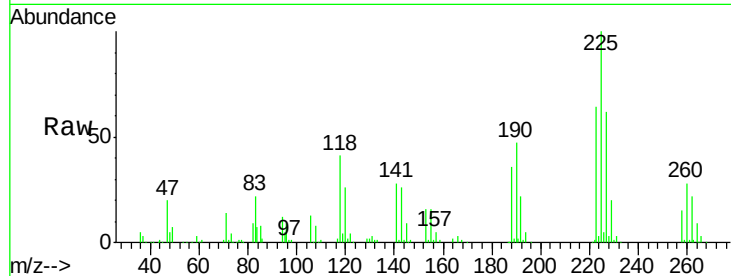
ClientSampleId :

S32-0627MS

Tot Ion:	225	Resp:	96721
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.3	93.8
227	63.9	31.8	95.4

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#95

Naphthalene

Concen: 57.06 ug/l

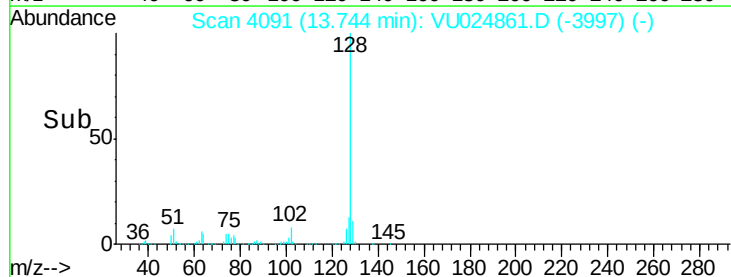
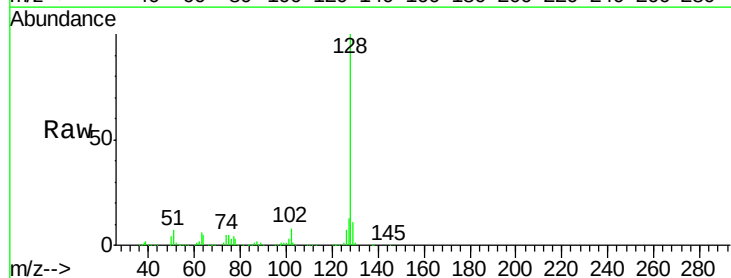
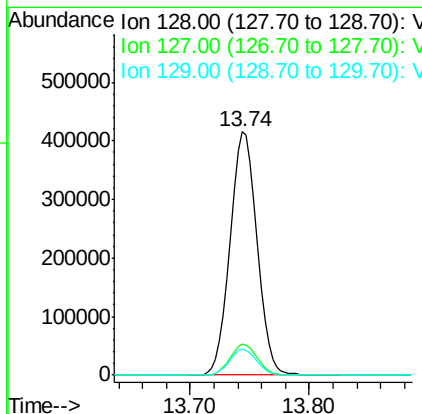
RT: 13.74 min Scan# 4091

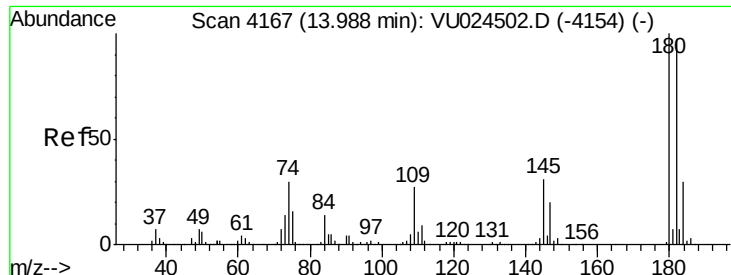
Delta R.T. 0.00 min

Lab File: VU024861.D

Acq: 23 Jun 2018 03:06

Tgt Ion:	128	Resp:	653430
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.7	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 58.94 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU024861.D
 Acq: 23 Jun 2018 03:06

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.3	47.9	143.7
145	31.9	15.4	46.1

Manual Integrations
 APPROVED

apatel
 6/26/2018 11:59:50 AM

