

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024930.D
 Acq On : 26 Jun 2018 19:31
 Operator : MD/SY
 Sample : VU0627MBS01
 Misc : 5.00µl/10ml/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Manual Integrations
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 6/28/2018 4:38:10 PM

Quant Time: Jun 27 04:32:01 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	178491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	269465	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	249832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	140730	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	4.89	113	110188	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	7.57	98	375397	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
62) 4-Bromofluorobenzene	10.31	95	150717	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	41372	18.52	ug/l	99
3) Chloromethane	1.33	50	42054	18.42	ug/l	98
4) Vinyl Chloride	1.40	62	44520	18.91	ug/l	98
5) Bromomethane	1.62	94	29754	26.15	ug/l	99
6) Chloroethane	1.70	64	29307	21.68	ug/l	97
7) Trichlorofluoromethane	1.89	101	74591	20.76	ug/l	98
8) Diethyl Ether	2.10	74	27697	21.59	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43622	19.57	ug/l	96
10) Methyl Iodide	2.41	142	40308	24.40	ug/l	99
11) Tert butyl alcohol	2.83	59	73717	104.02	ug/l	98
12) 1,1-Dichloroethene	2.28	96	40065	19.71	ug/l	95
13) Acrolein	2.19	56	22617	60.77	ug/l	94
14) Allyl chloride	2.59	41	70663	18.73	ug/l	98
15) Acrylonitrile	2.93	53	143753	104.26	ug/l	99
16) Acetone	2.32	43	162917	104.06	ug/l	99
17) Carbon Disulfide	2.48	76	105361	16.19	ug/l	99
18) Methyl Acetate	2.62	43	80033	23.84	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	160990	21.07	ug/l	95
20) Methylene Chloride	2.70	84	52632	21.42	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	42909	19.17	ug/l	96
22) Diisopropyl ether	3.57	45	154442	20.65	ug/l	92
23) Vinyl Acetate	3.53	43	664286	99.13	ug/l	99
24) 1,1-Dichloroethane	3.45	63	89095	20.70	ug/l	98
25) 2-Butanone	4.26	43	219990	104.61	ug/l	97
26) 2,2-Dichloropropane	4.23	77	83486	20.43	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	52366	20.35	ug/l	98
28) Bromochloromethane	4.55	49	42909	22.64	ug/l	88
29) Tetrahydrofuran	4.64	42	132592	101.81	ug/l	97
30) Chloroform	4.68	83	92491	21.23	ug/l	97
31) Cyclohexane	5.00	56	78265	19.27	ug/l	92
32) 1,1,1-Trichloroethane	4.92	97	84870	21.07	ug/l	97
36) 1,1-Dichloropropene	5.14	75	63480	20.05	ug/l	97
37) Ethyl Acetate	4.38	43	75778	21.96	ug/l	97
38) Carbon Tetrachloride	5.14	117	74577	21.42	ug/l	99

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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)
39) Methylcyclohexane	6.42	83	79013	20.00	µg/l	93
40) Benzene	5.39	78	191795	21.26	µg/l	98
41) Methacrylonitrile	4.55	41	44034	23.66	µg/l	98
42) 1,2-Dichloroethane	5.41	62	80477	23.42	µg/l	98
43) Isopropyl Acetate	5.55	43	123353	20.68	µg/l	99
44) Trichloroethene	6.19	130	52402	20.41	µg/l	92
45) 1,2-Dichloropropane	6.44	63	52229	21.69	µg/l	99
46) Dibromomethane	6.56	93	37475	22.16	µg/l	96
47) Bromodichloromethane	6.76	83	71802	21.32	µg/l	99
48) Methyl methacrylate	6.62	41	63759	21.95	µg/l	96
49) 1,4-Dioxane	6.62	88	29102	512.29	µg/l	97
51) 4-Methyl-2-Pentanone	7.46	43	410001	109.40	µg/l	99
52) Toluene	7.64	92	123615	21.30	µg/l	98
53) t-1,3-Dichloropropene	7.88	75	76495	20.23	µg/l	95
54) cis-1,3-Dichloropropene	7.27	75	79834	19.81	µg/l	96
55) 1,1,2-Trichloroethane	8.07	97	52818	22.38	µg/l	97
56) Ethyl methacrylate	8.02	69	83684	21.19	µg/l	99
57) 1,3-Dichloropropane	8.25	76	85788	21.55	µg/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	47374	31.31	µg/l	95
59) 2-Hexanone	8.36	43	331373	108.30	µg/l	99
60) Dibromochloromethane	8.48	129	58608	19.92	µg/l	99
61) 1,2-Dibromoethane	8.59	107	55744	21.23	µg/l	100
64) Tetrachloroethene	8.23	164	47458	19.98	µg/l	96
65) Chlorobenzene	9.12	112	141509	22.17	µg/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51902	21.40	µg/l	95
67) Ethyl Benzene	9.25	91	241530	21.59	µg/l	100
68) m/p-Xylenes	9.38	106	185697	43.22	µg/l	100
69) o-Xylene	9.78	106	93382	21.96	µg/l	97
70) Styrene	9.80	104	148440	21.24	µg/l	98
71) Bromoform	9.96	173	45058	19.55	µg/l #	99
73) Isopropylbenzene	10.17	105	255115	22.65	µg/l	99
74) N-amyl acetate	10.01	43	107936	20.14	µg/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	87299	23.12	µg/l	98
76) 1,2,3-Trichloropropane	10.50	75	75033m	23.23	µg/l	
77) Bromobenzene	10.45	156	63799	22.37	µg/l	96
78) n-propylbenzene	10.59	91	280678	21.15	µg/l	98
79) 2-Chlorotoluene	10.66	91	173217	22.13	µg/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	216577	22.18	µg/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	27009m	19.35	µg/l	
82) 4-Chlorotoluene	10.78	91	197687	21.70	µg/l	100
83) tert-Butylbenzene	11.10	119	219980	23.42	µg/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	219203	22.03	µg/l	100
85) sec-Butylbenzene	11.33	105	260171	22.13	µg/l	98
86) p-Isopropyltoluene	11.48	119	227971	21.65	µg/l	99
87) 1,3-Dichlorobenzene	11.42	146	114761	21.78	µg/l	98
88) 1,4-Dichlorobenzene	11.51	146	116779	22.02	µg/l	99
89) n-Butylbenzene	11.89	91	180573	19.32	µg/l	97
90) Hexachloroethane	12.15	117	39891	19.42	µg/l	97
91) 1,2-Dichlorobenzene	11.88	146	119549	22.65	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22566	21.66	µg/l	96

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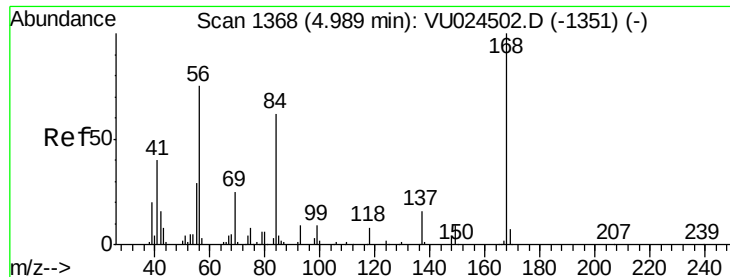
Manual Integrations
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Quant Time: Jun 27 04:32:01 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	73465	22.54	ug/l	98
94) Hexachlorobutadiene	13.70	225	40760	22.22	ug/l	99
95) Naphthalene	13.74	128	245779	23.15	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	77860	23.98	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion:168 Resp: 178491

Ion Ratio Lower Upper

168 100

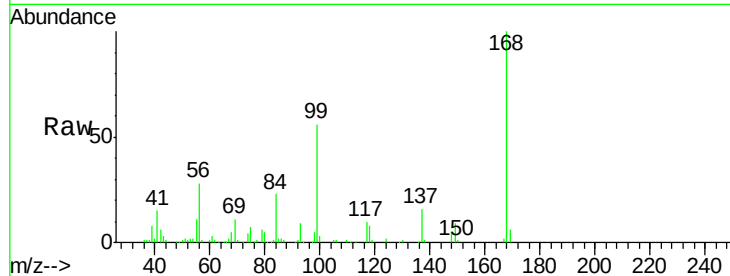
99 55.8 43.2 64.8

Manual Integrations

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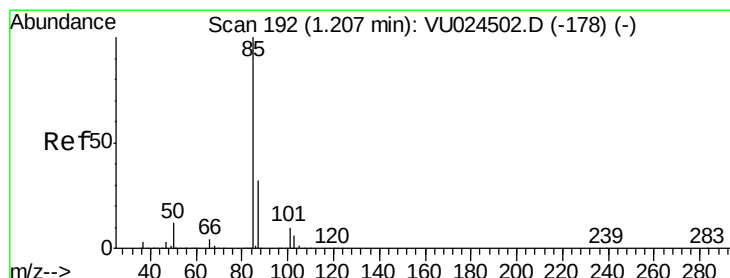
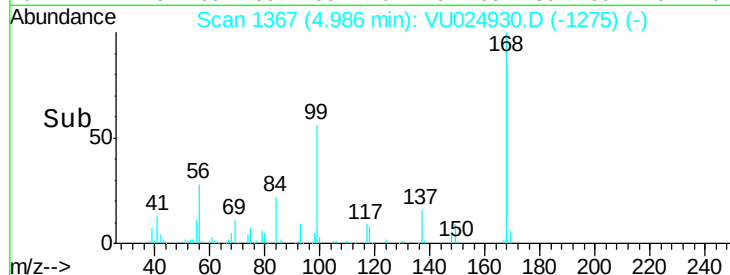
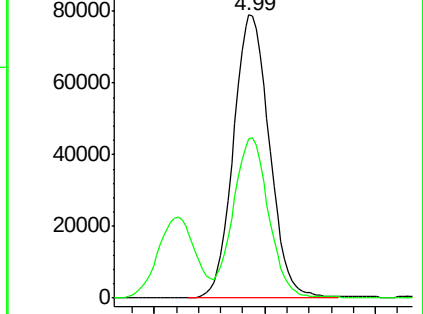
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#2

Dichlorodifluoromethane

Concen: 18.52 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024930.D

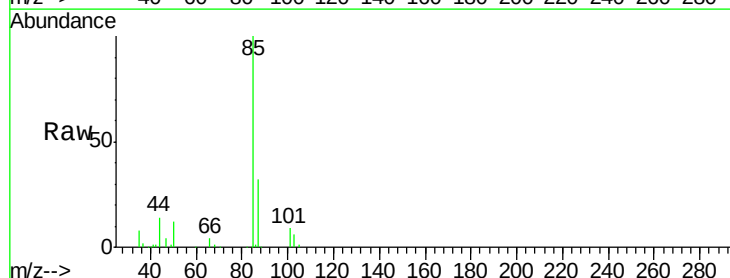
Acq: 26 Jun 2018 19:31

Tgt Ion: 85 Resp: 41372

Ion Ratio Lower Upper

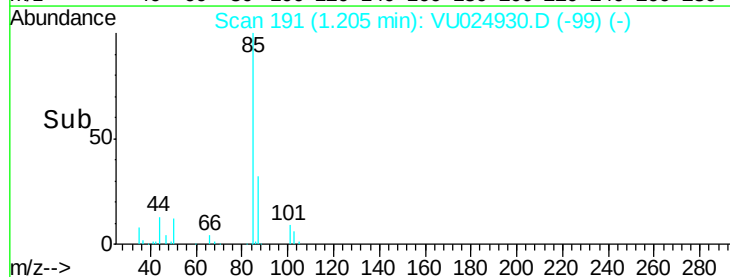
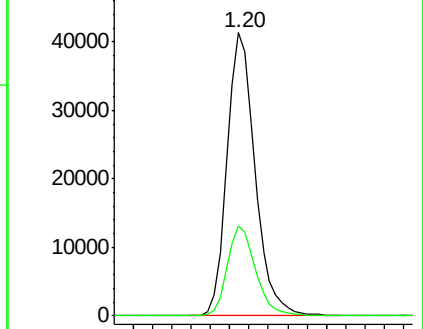
85 100

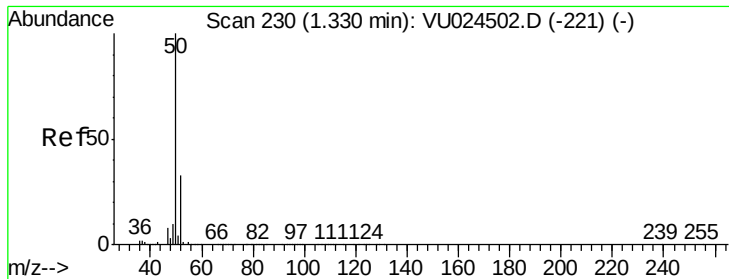
87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)





#3

Chloromethane

Concen: 18.42 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 50 Resp: 42054

Ion Ratio Lower Upper

50 100

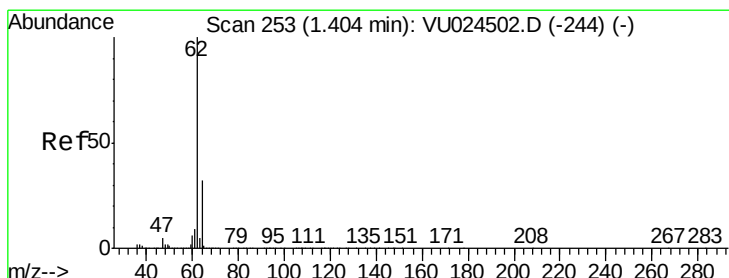
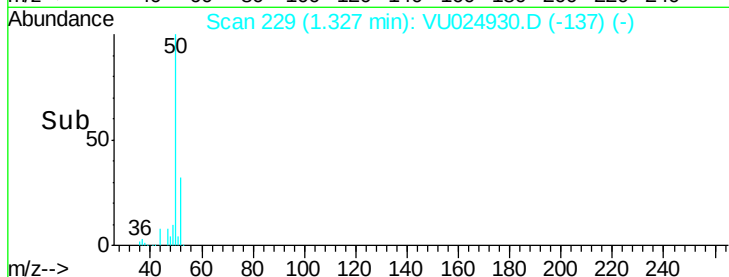
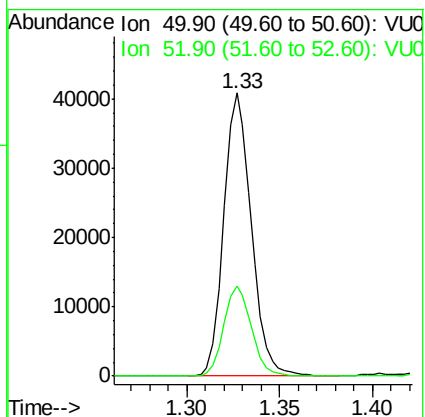
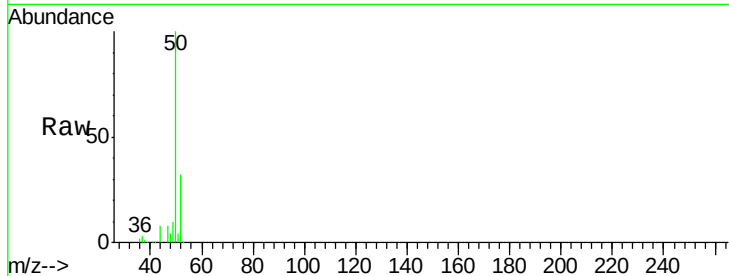
52 31.8 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.91 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024930.D

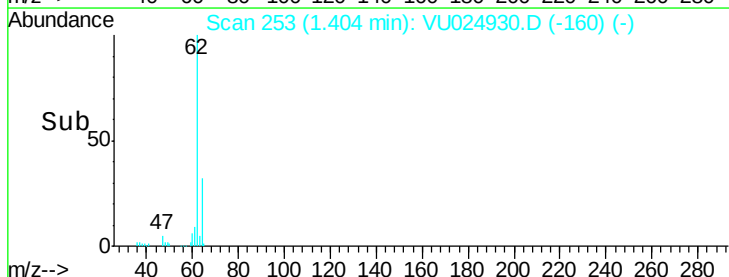
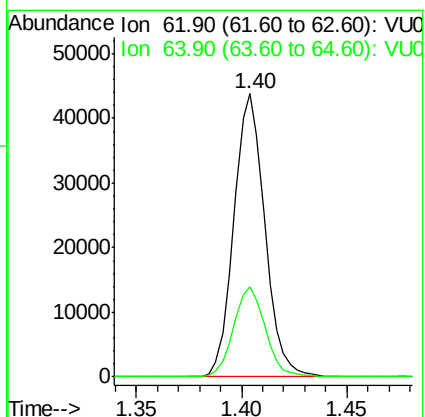
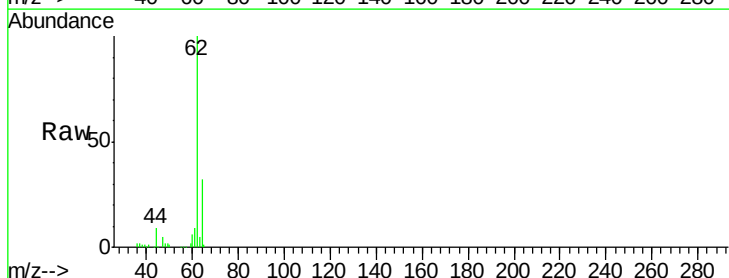
Acq: 26 Jun 2018 19:31

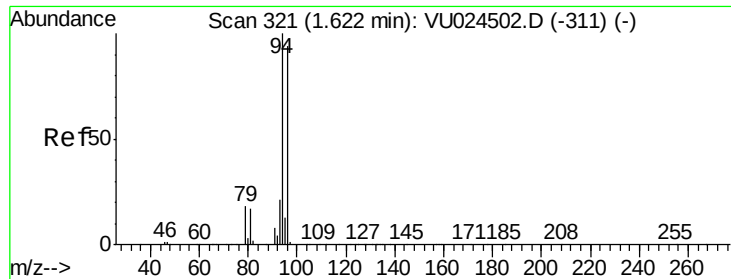
Tgt Ion: 62 Resp: 44520

Ion Ratio Lower Upper

62 100

64 31.8 24.8 37.2





#5

Bromomethane

Concen: 26.15 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 94 Resp: 29754

Ion Ratio Lower Upper

94 100

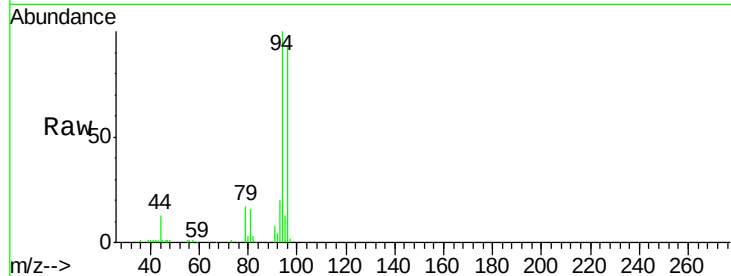
96 92.5 74.5 111.7

Manual Integrations

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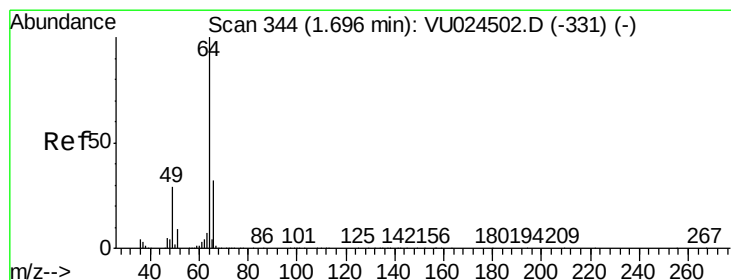
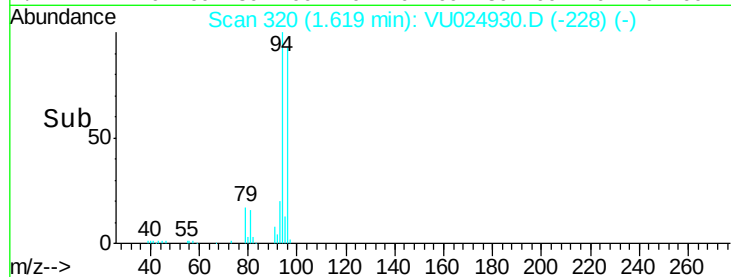
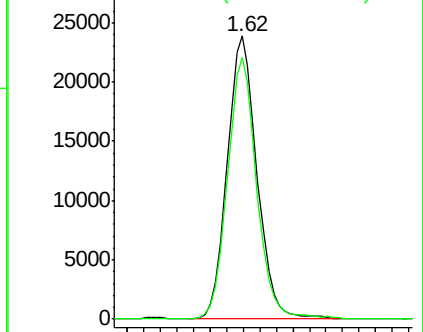
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.68 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024930.D

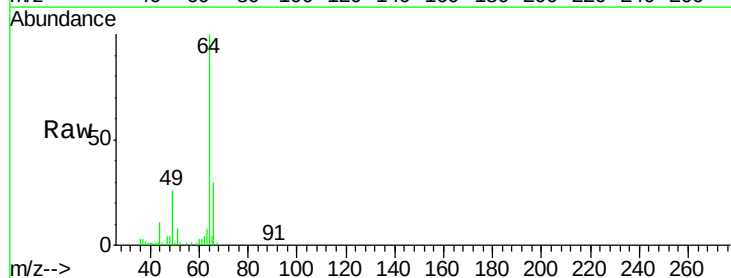
Acq: 26 Jun 2018 19:31

Tgt Ion: 64 Resp: 29307

Ion Ratio Lower Upper

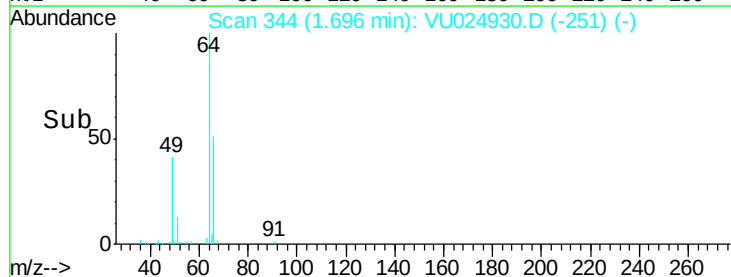
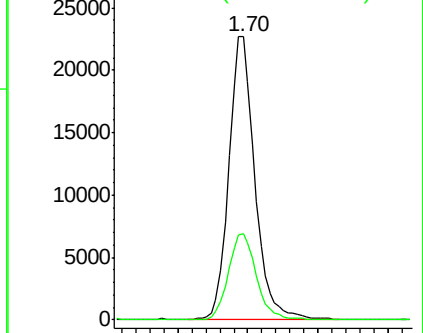
64 100

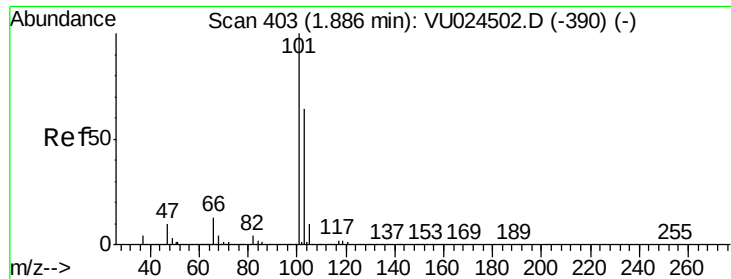
66 30.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

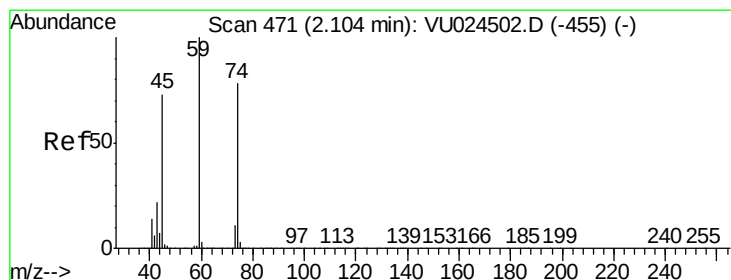
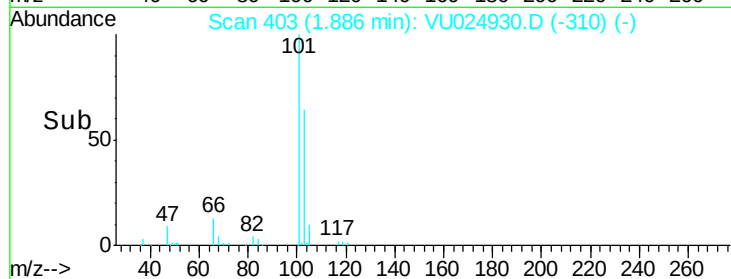
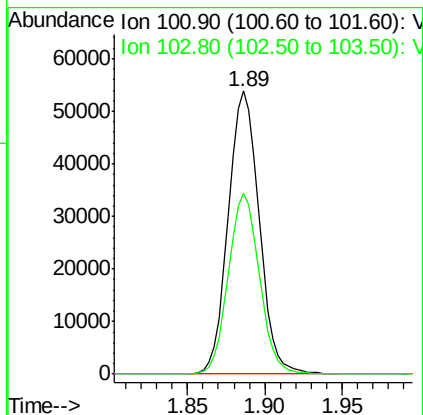
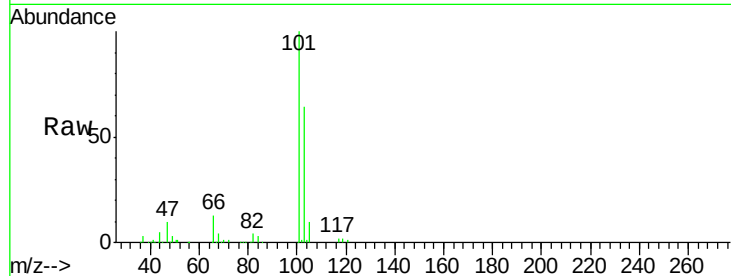
Trichlorofluoromethane
Concen: 20.76 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
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ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.3	78.5

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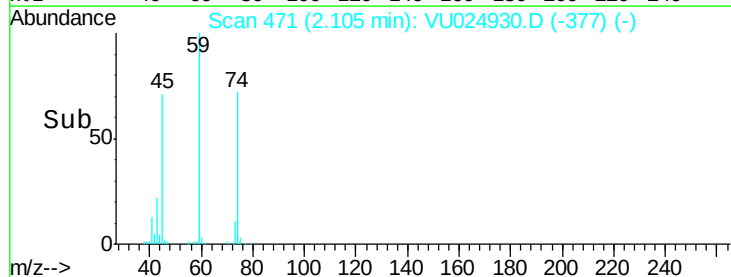
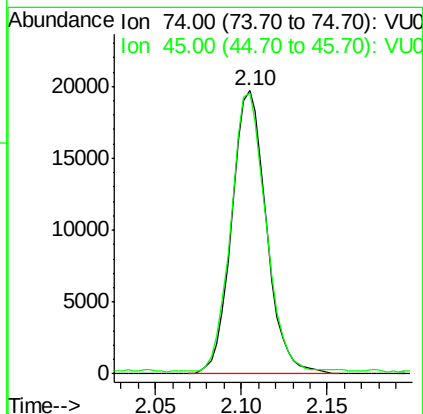
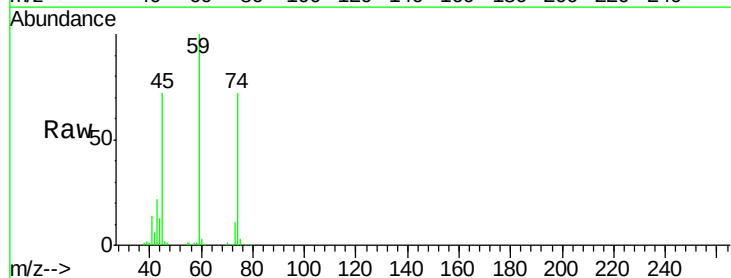
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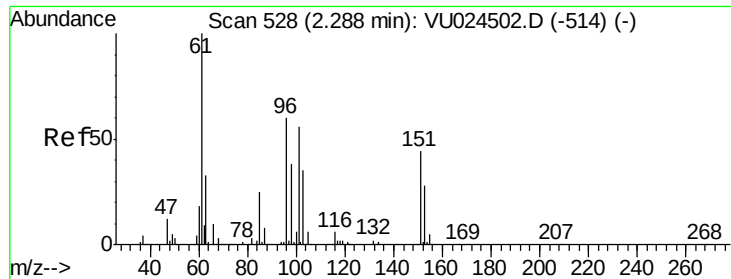


#8

Diethyl Ether
Concen: 21.59 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

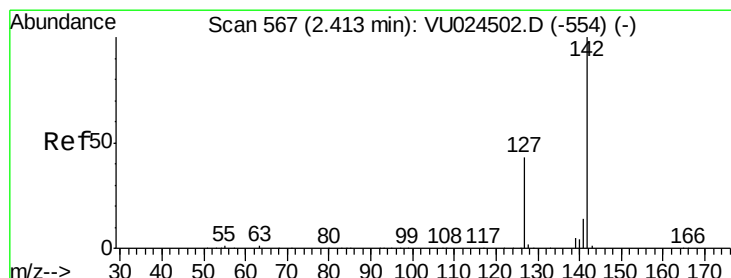
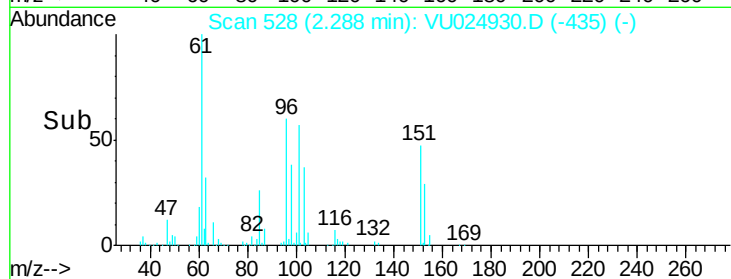
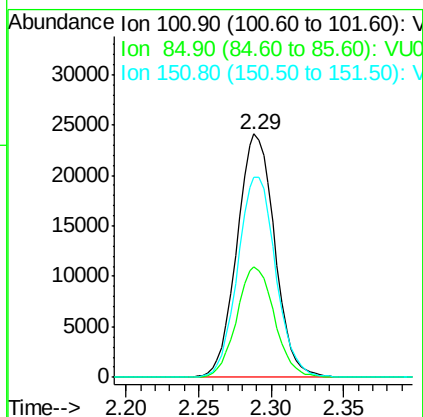
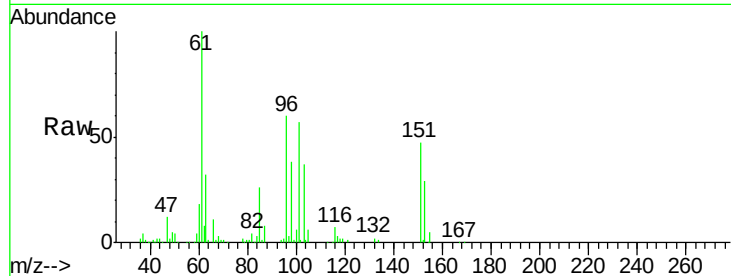
ClientSampleId :

VU0627MBS01

Tot Ion:	101	Resp:	43622
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	83.0	62.3	93.5

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#10

Methyl Iodide

Concen: 24.40 ug/l

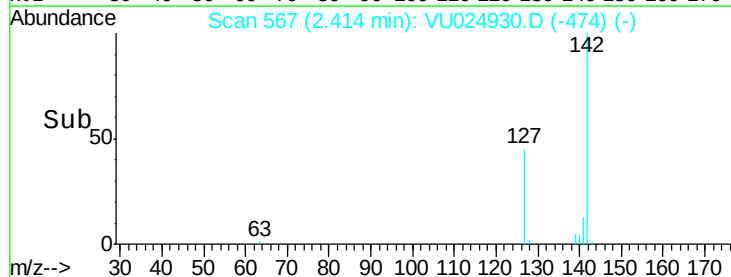
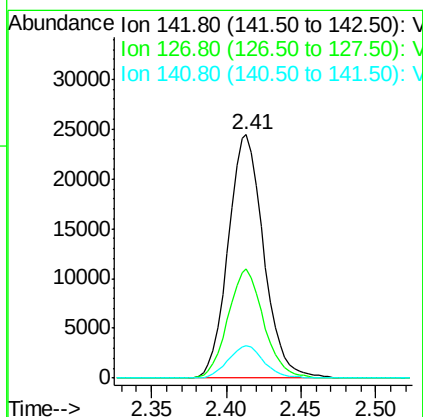
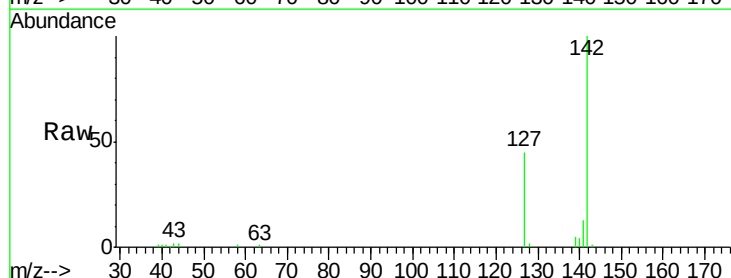
RT: 2.41 min Scan# 567

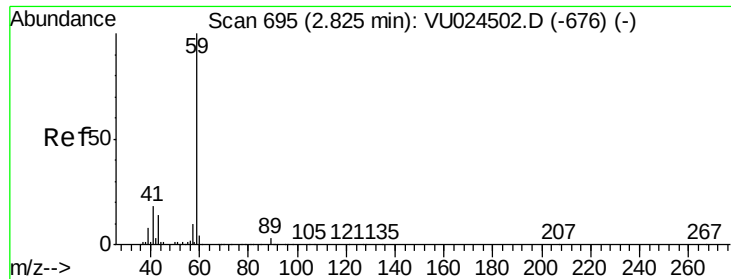
Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	142	Resp:	40308
Ion Ratio	Lower	Upper	
142	100		
127	45.1	35.6	53.4
141	13.4	11.7	17.5





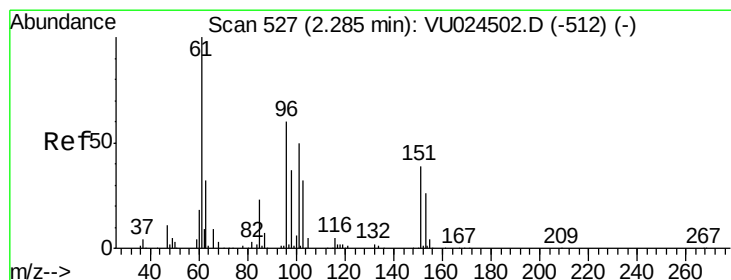
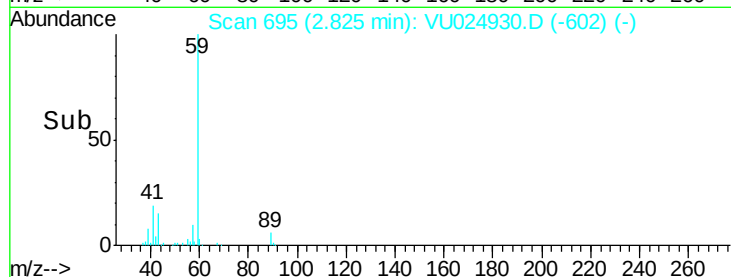
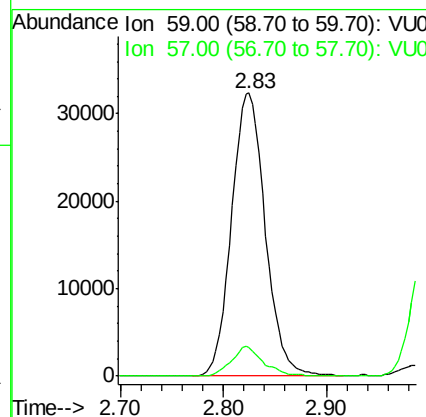
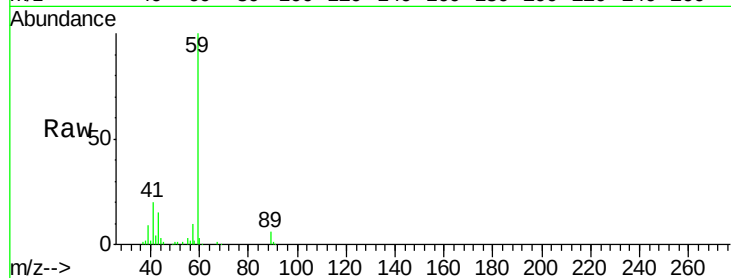
#11
Tert butyl alcohol
Concen: 104.02 ug/l
RT: 2.83 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

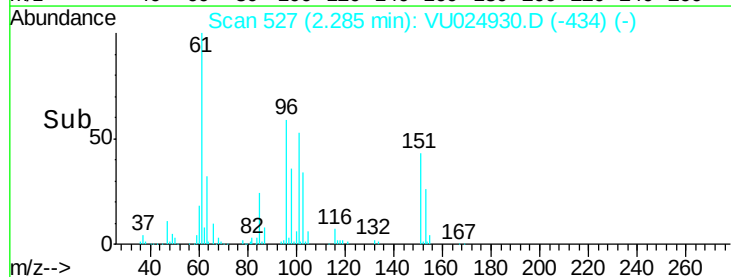
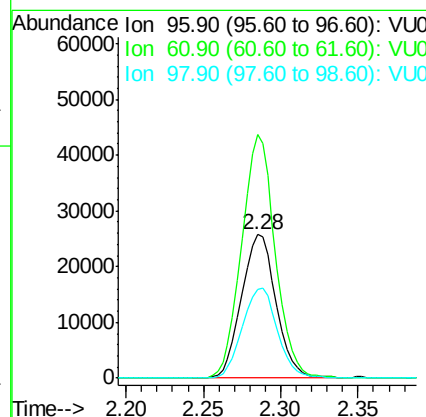
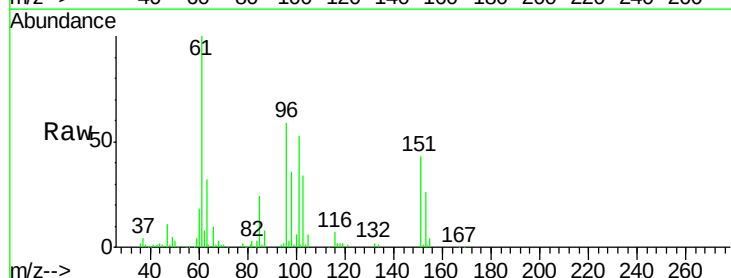
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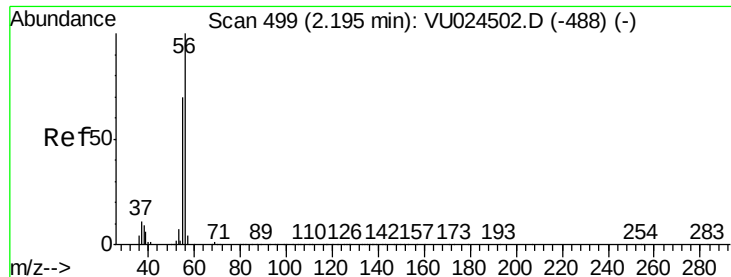
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#12
1,1-Dichloroethene
Concen: 19.71 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	141.7	212.5
98	61.8	51.6	77.4





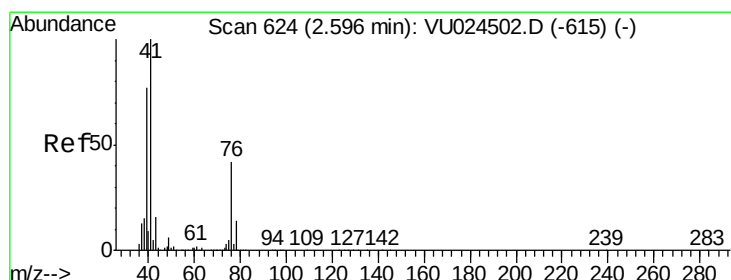
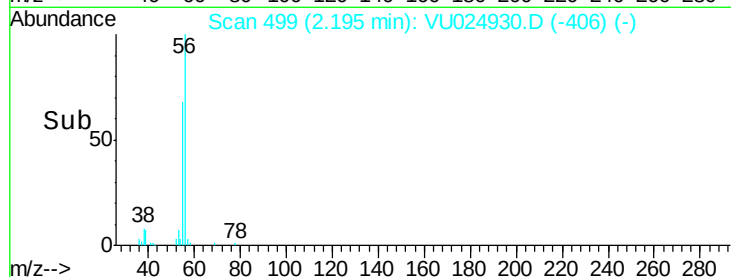
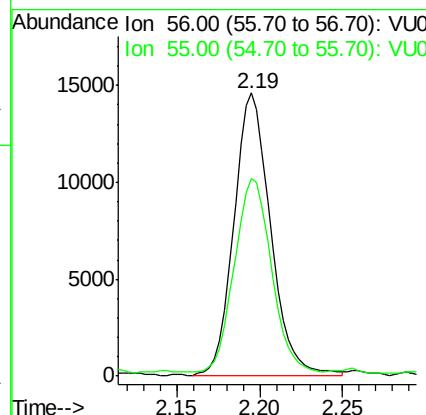
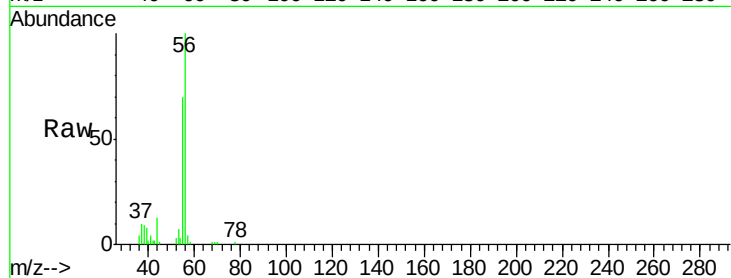
#13
Acrolein
Concen: 60.77 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.0	58.4	87.6

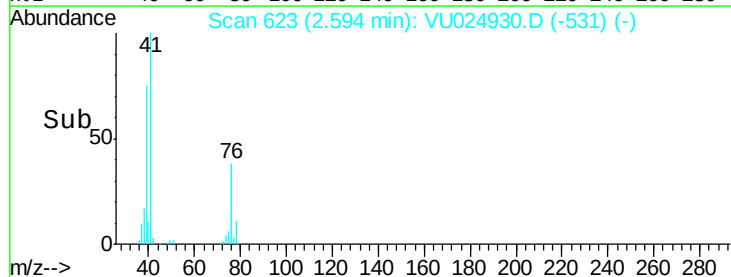
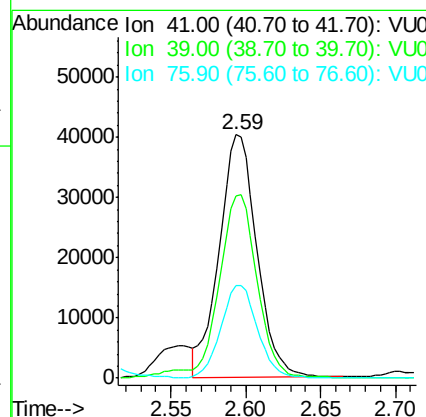
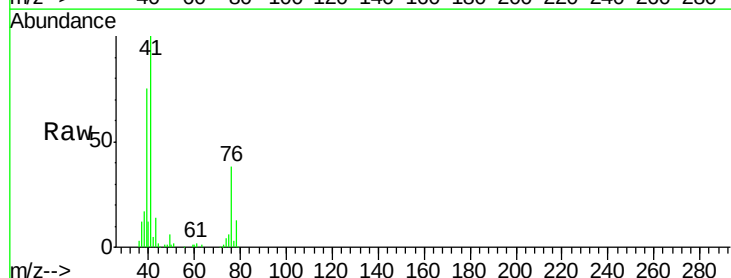
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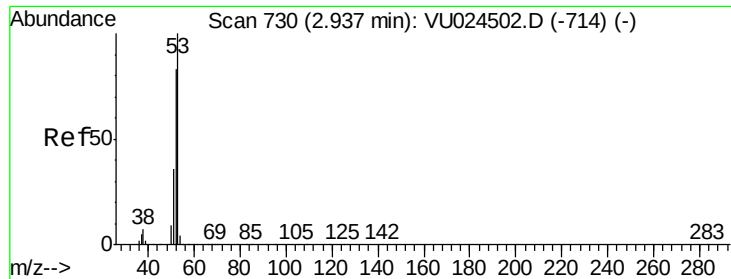
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#14
Allyl chloride
Concen: 18.73 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.5	61.6	92.4
76	37.3	29.7	44.5





#15

Acrylonitrile

Concen: 104.26 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

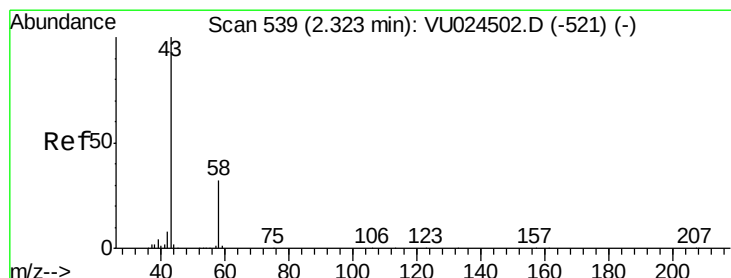
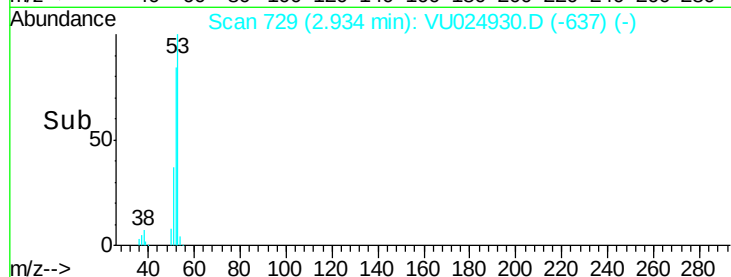
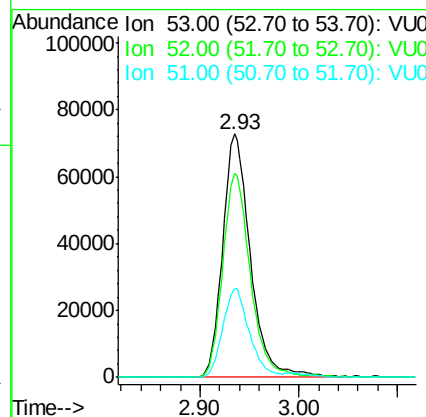
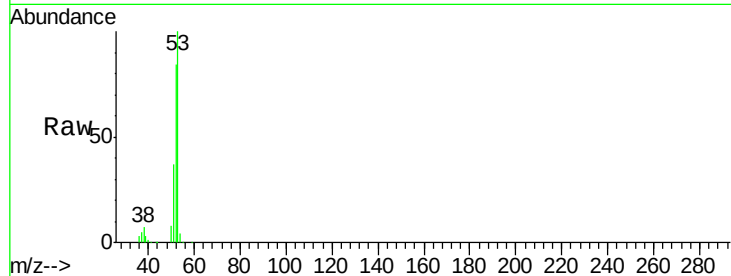
ClientSampleId :

VU0627MBS01

Tot Ion:	53	Resp:	143753
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.1	100.7
51	34.9	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 104.06 ug/l

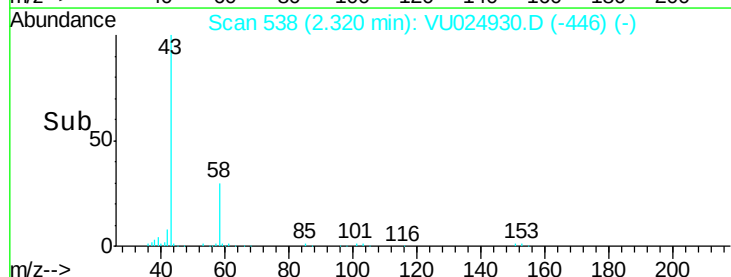
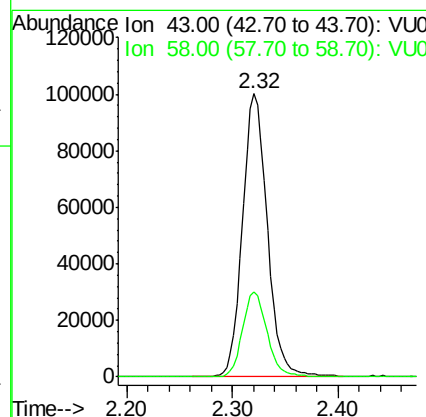
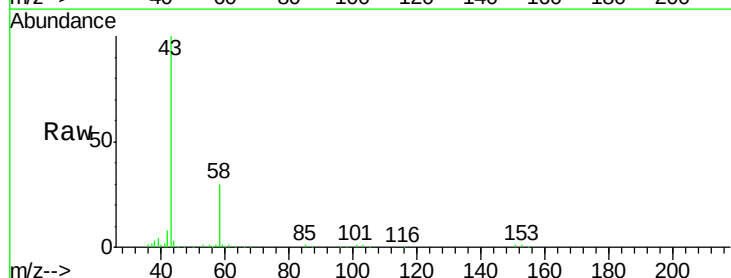
RT: 2.32 min Scan# 538

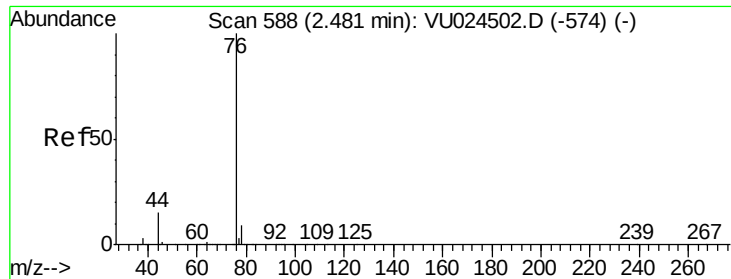
Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	43	Resp:	162917
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.4	36.6





#17

Carbon Disulfide

Concen: 16.19 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 76 Resp: 105361

Ion Ratio Lower Upper

76 100

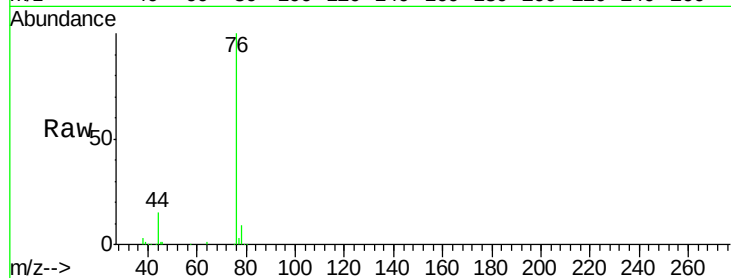
78 9.1 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VU024930.D (-495) (-)

Ion 77.90 (77.60 to 78.60): VU024930.D (-495) (-)

2.48

60000

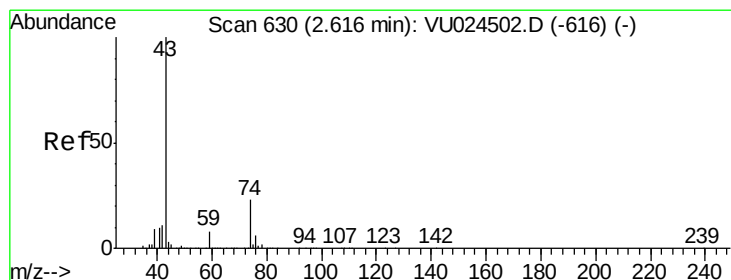
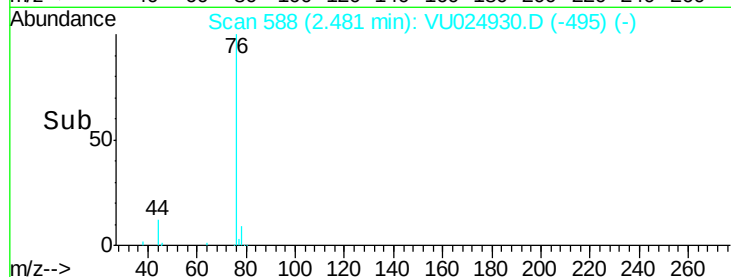
40000

20000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 23.84 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024930.D

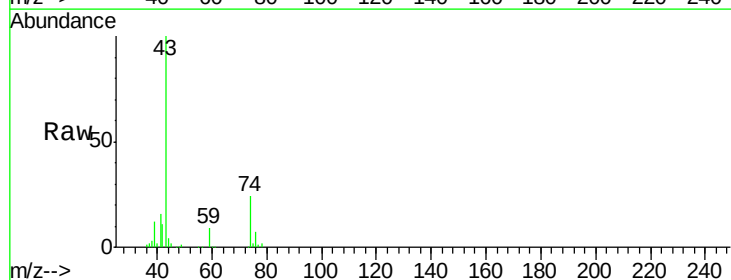
Acq: 26 Jun 2018 19:31

Tgt Ion: 43 Resp: 80033

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024930.D (-537) (-)

Ion 74.00 (73.70 to 74.70): VU024930.D (-537) (-)

2.62

50000

40000

30000

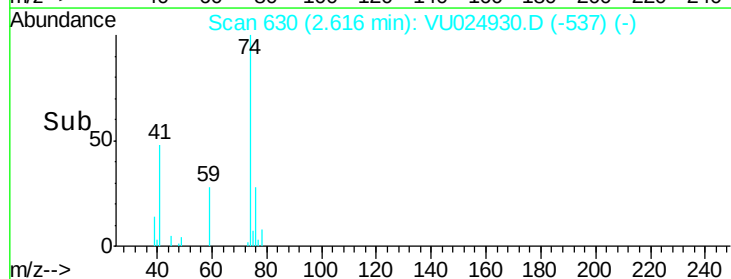
20000

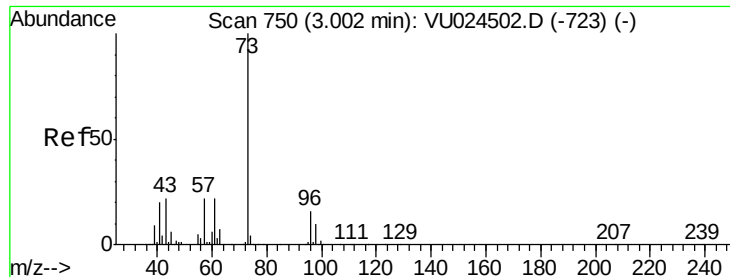
10000

0

Time-->

2.50 2.55 2.60 2.65 2.70





#19

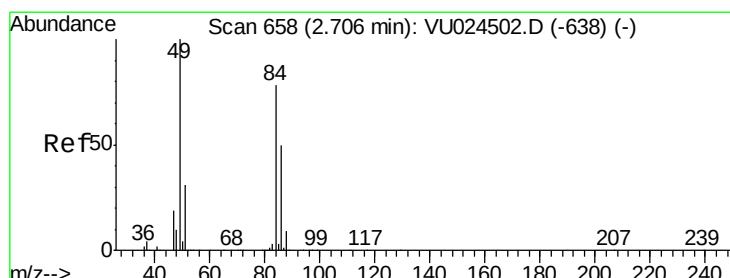
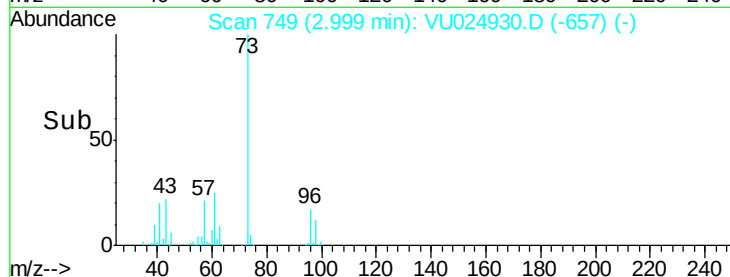
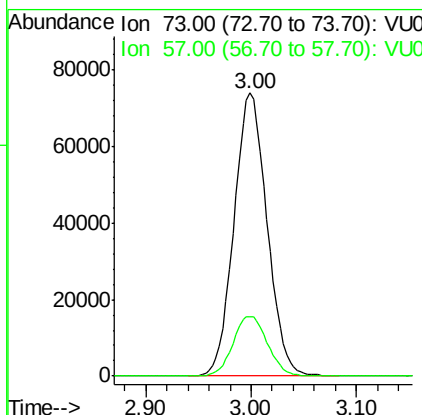
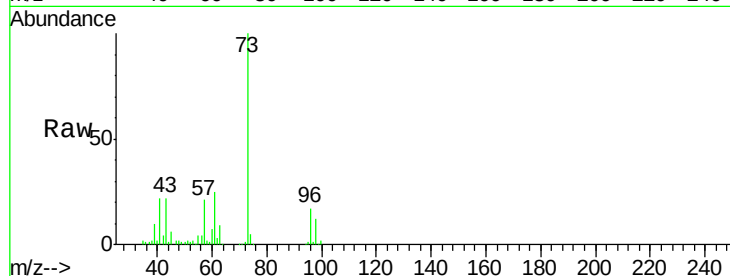
Methyl tert-butyl Ether
 Concen: 21.07 ug/l
 RT: 3.00 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.8	28.2

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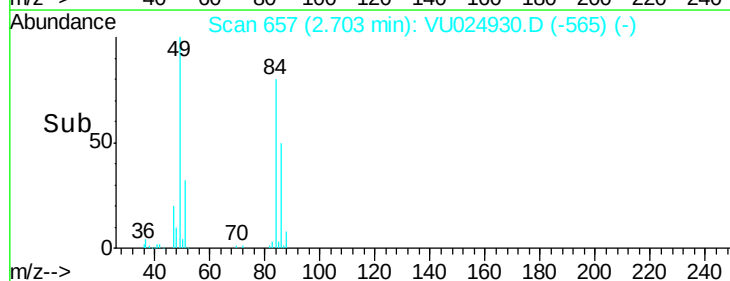
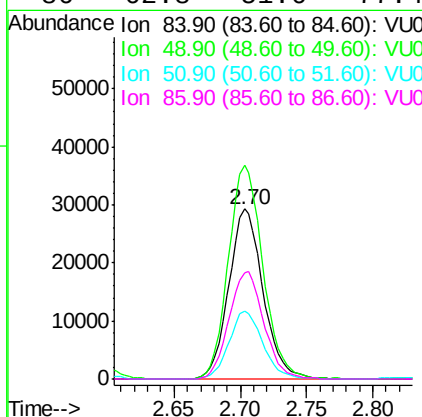
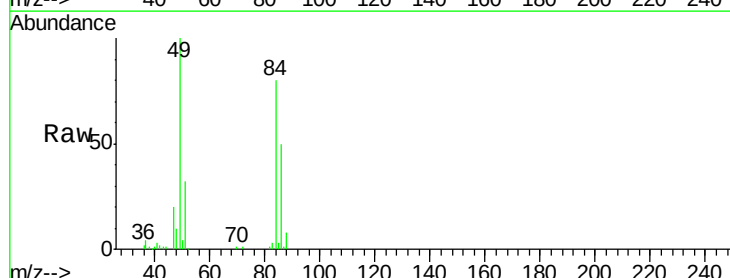
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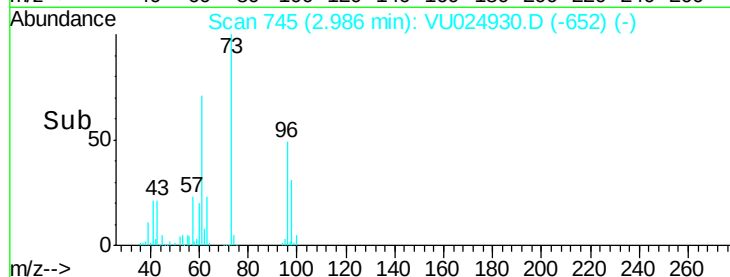
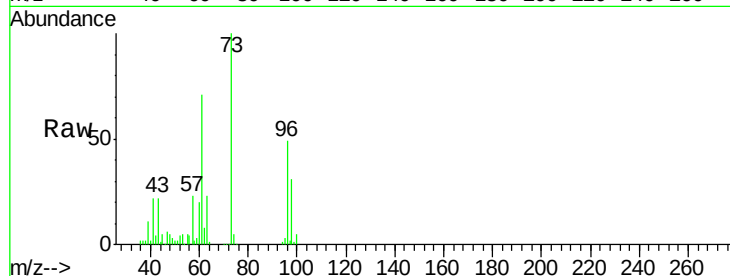
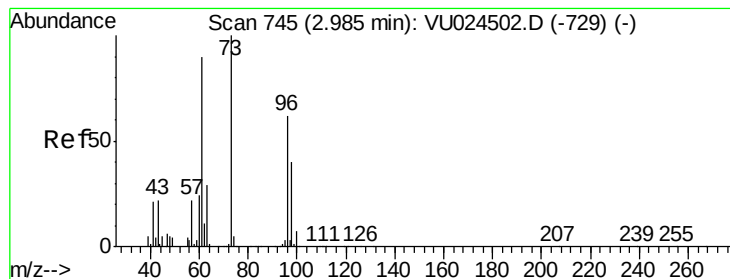


#20

Methylene Chloride
 Concen: 21.42 ug/l
 RT: 2.70 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.8	103.8	155.8
51	40.1	32.0	48.0
86	62.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.17 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024930.D

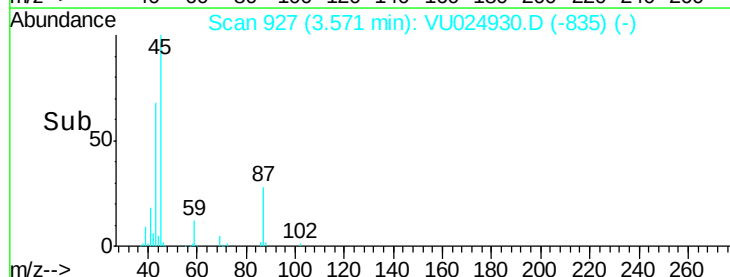
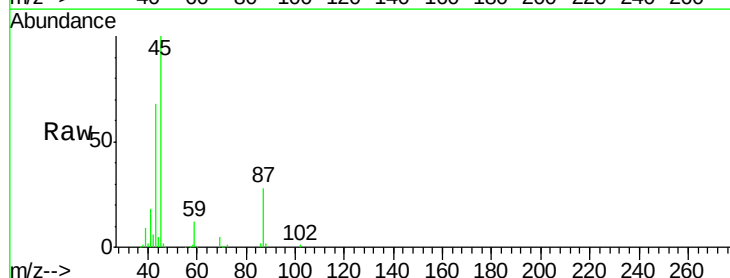
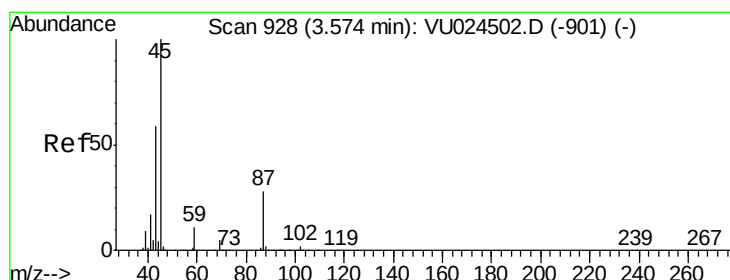
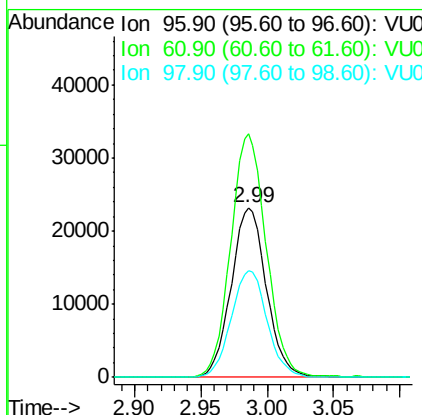
Acq: 26 Jun 2018 19:31

Tot Ion:	96	Resp:	42909
Ion	Ratio	Lower	Upper
96	100		
61	143.4	119.4	179.0
98	63.1	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

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#22

Diisopropyl ether

Concen: 20.65 ug/l

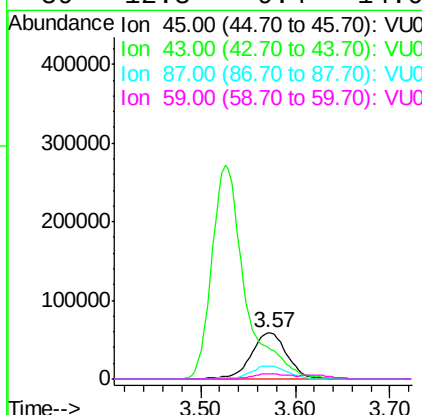
RT: 3.57 min Scan# 927

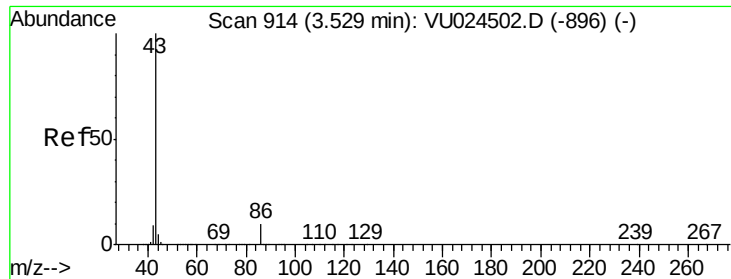
Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	45	Resp:	154442
Ion	Ratio	Lower	Upper
45	100		
43	65.8	45.8	68.6
87	28.0	20.6	31.0
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 99.13 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 43 Resp: 664286

Ion Ratio Lower Upper

43 100

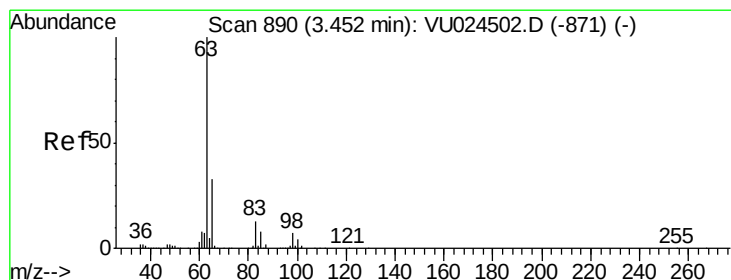
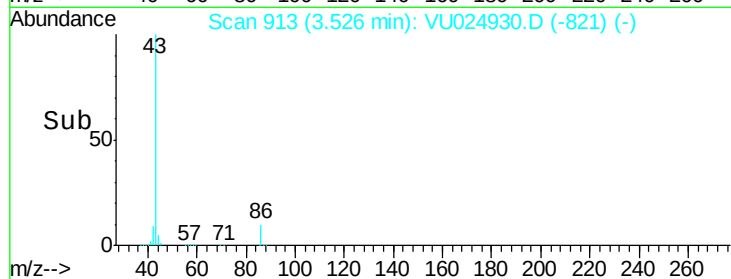
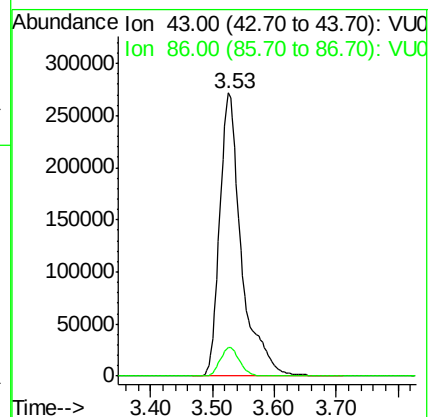
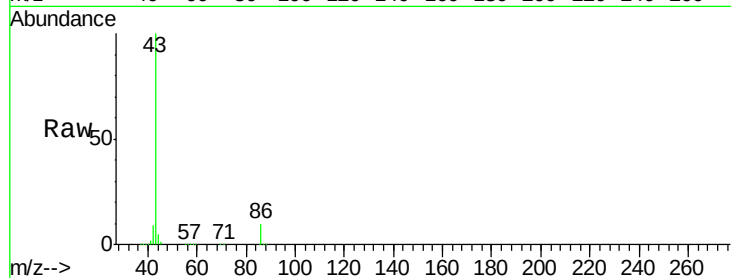
86 10.3 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 20.70 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

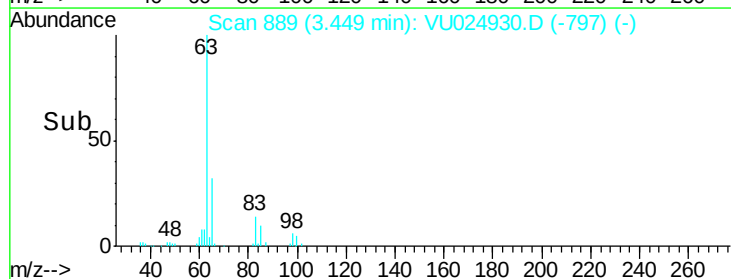
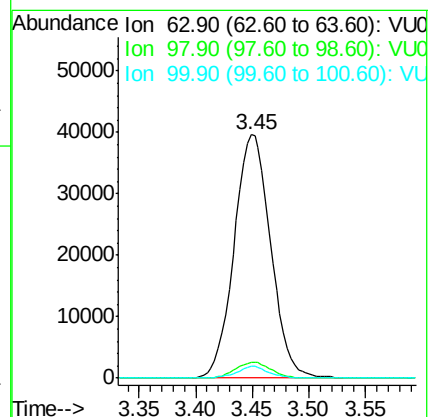
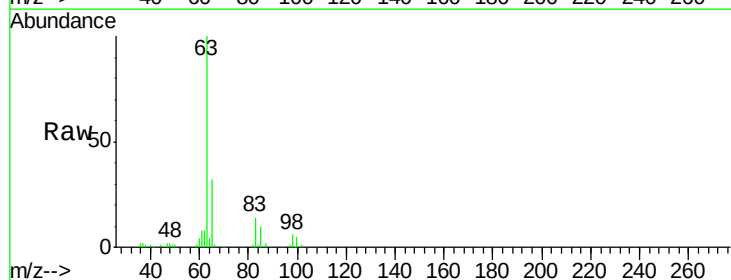
Tgt Ion: 63 Resp: 89095

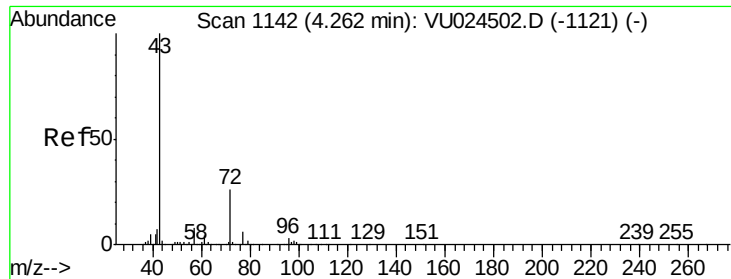
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.8 1.8 5.5





#25

2-Butanone

Concen: 104.61 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 43 Resp: 219990

Ion Ratio Lower Upper

43 100

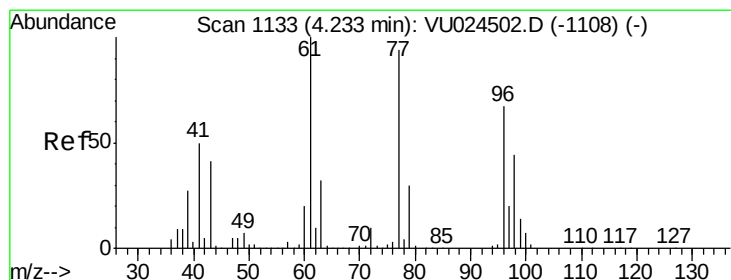
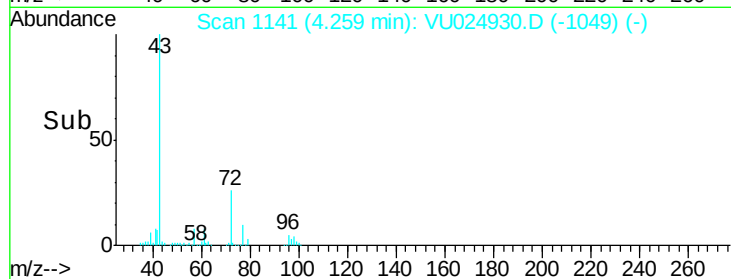
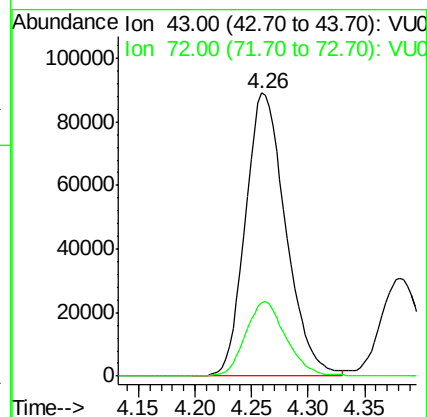
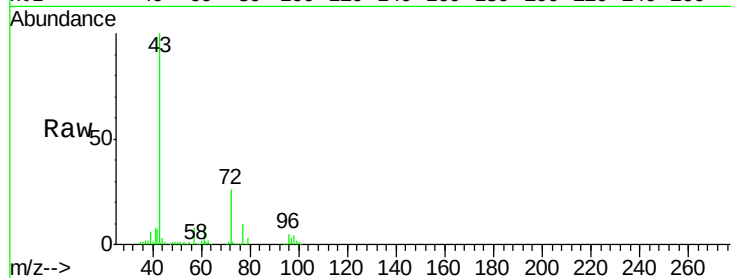
72 26.0 19.6 29.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.43 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024930.D

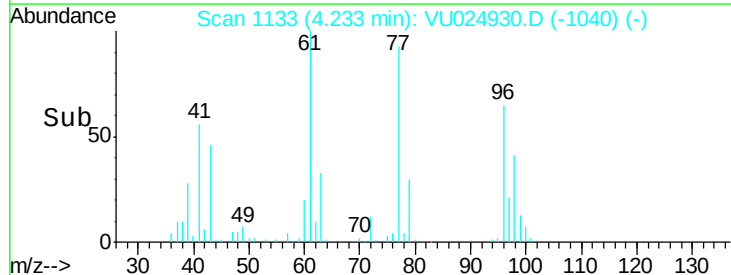
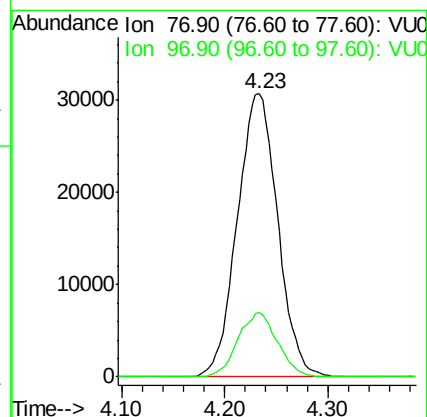
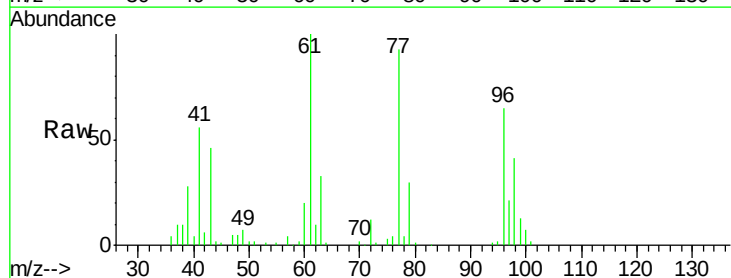
Acq: 26 Jun 2018 19:31

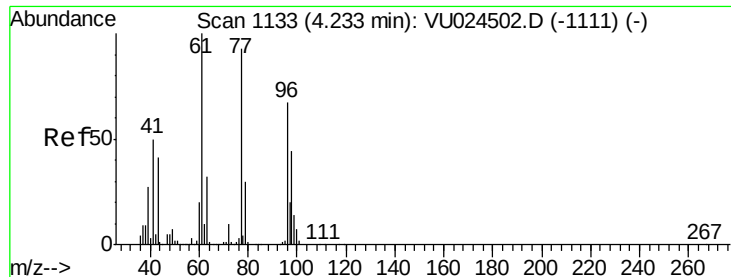
Tgt Ion: 77 Resp: 83486

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.35 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

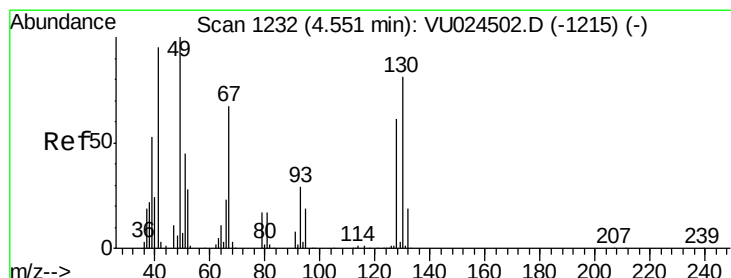
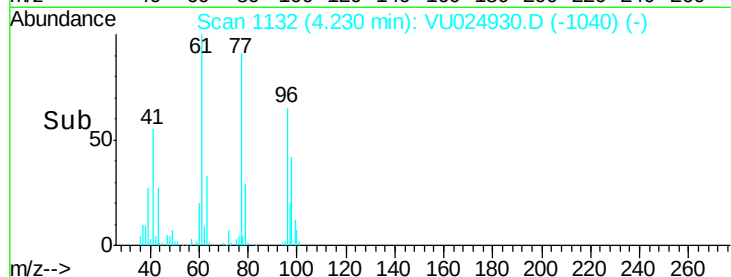
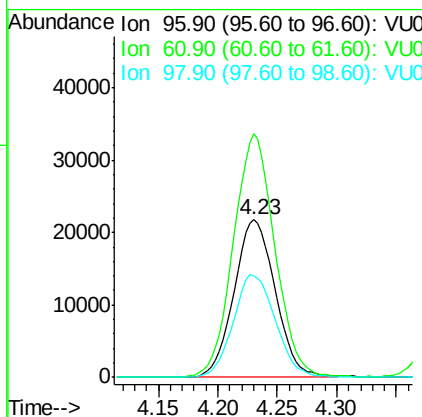
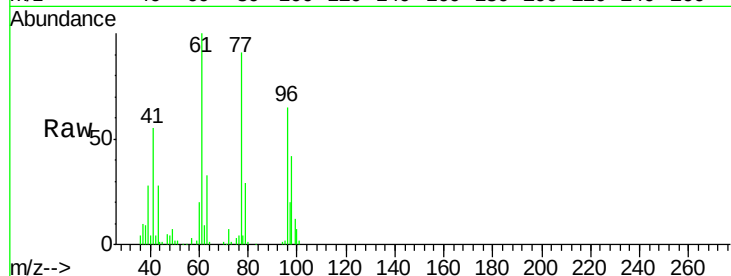
ClientSampleId :

VU0627MBS01

Tot Ion:	96	Resp:	52366
Ion	Ratio	Lower	Upper
96	100		
61	155.0	0.0	306.6
98	66.4	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 22.64 ug/l

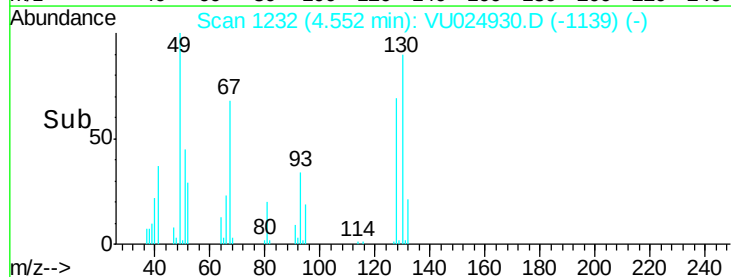
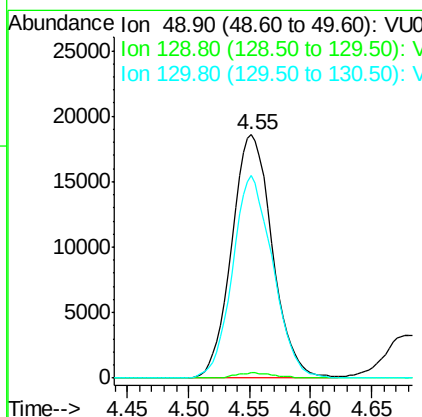
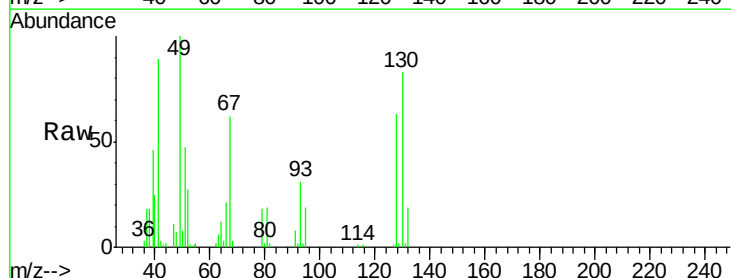
RT: 4.55 min Scan# 1232

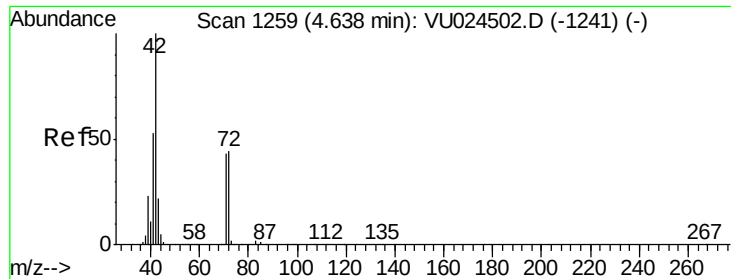
Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	49	Resp:	42909
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	82.5	57.8	86.6





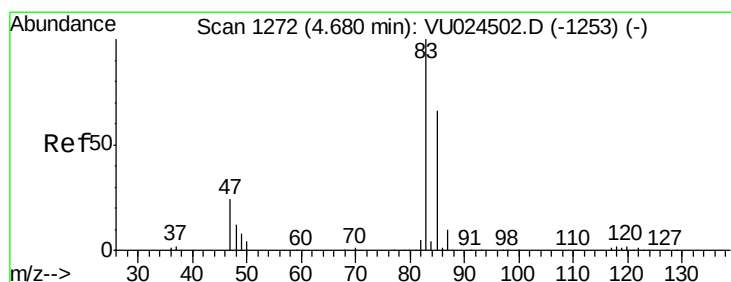
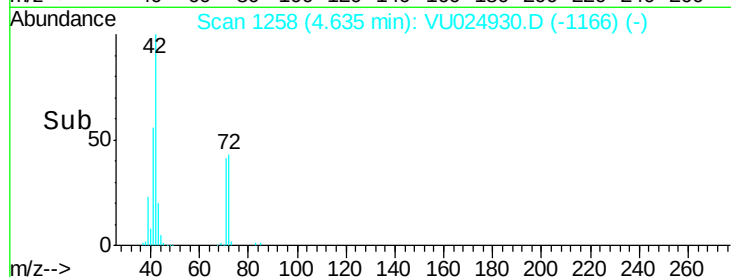
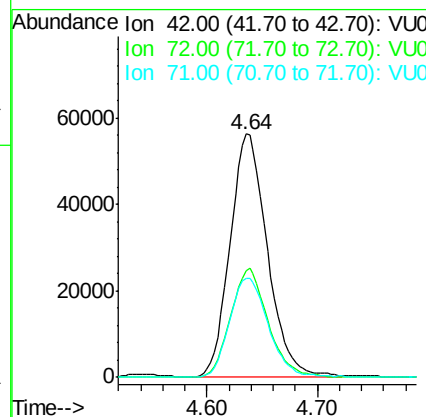
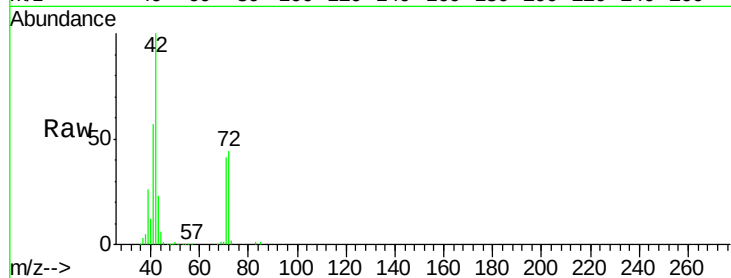
#29
Tetrahydrofuran
Concen: 101.81 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.5	51.7
71	42.5	32.2	48.4

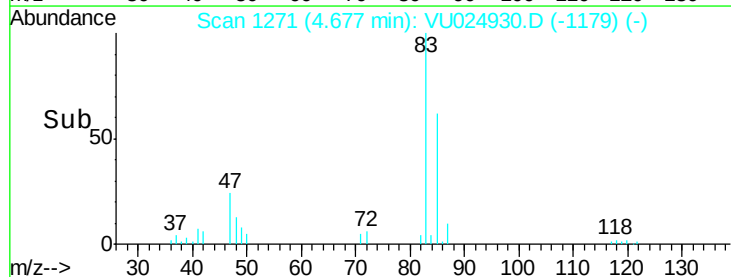
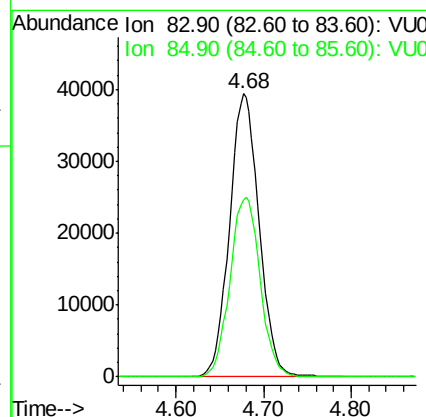
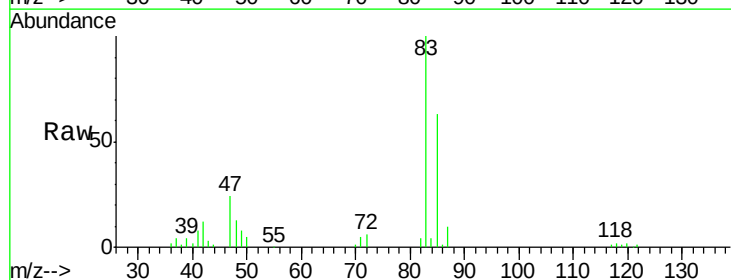
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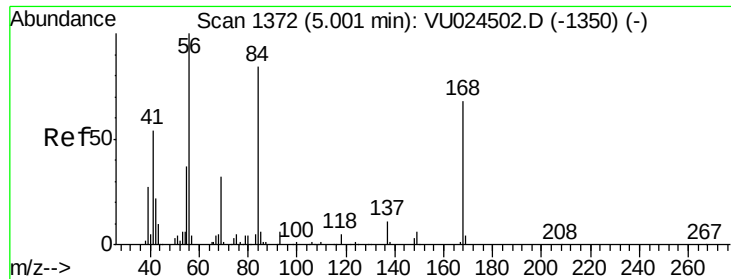
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#30
Chloroform
Concen: 21.23 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.4	78.6





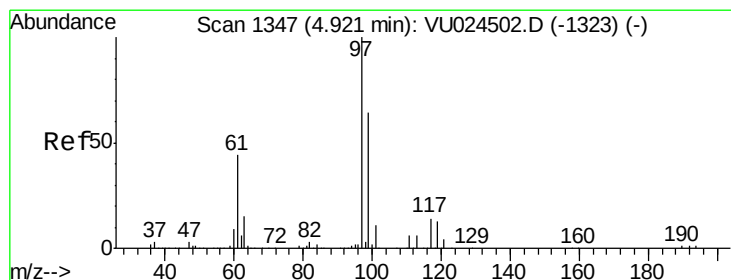
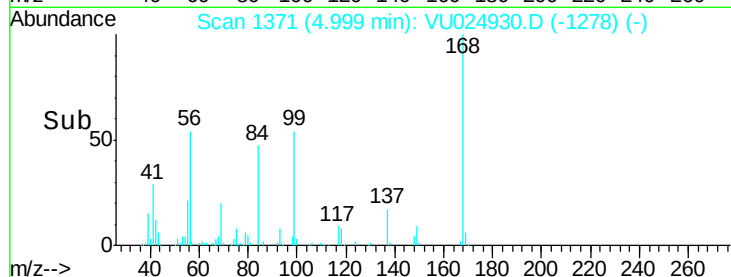
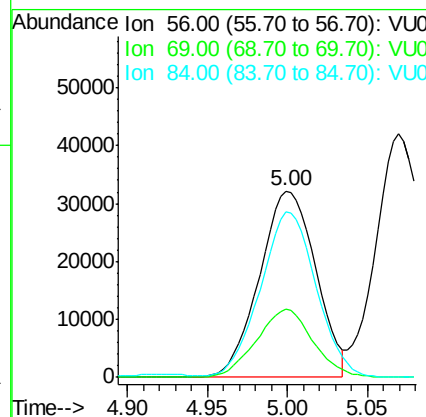
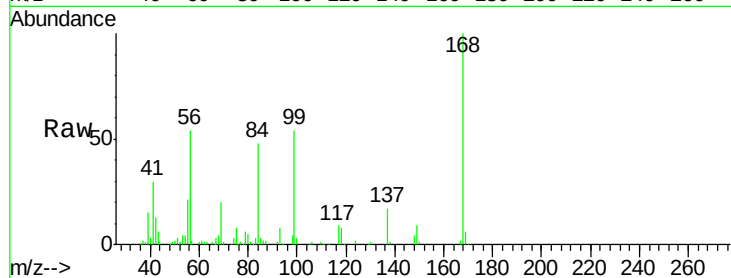
#31
Cyclohexane
Concen: 19.27 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	24.8	37.2
84	88.1	65.2	97.8

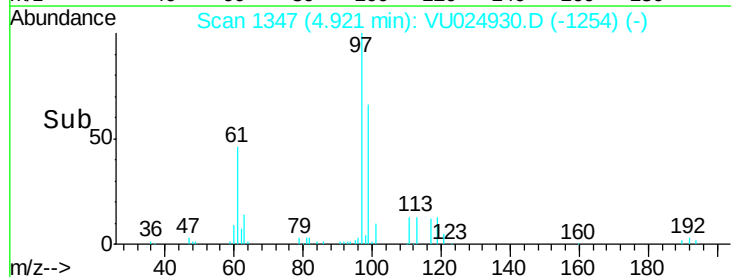
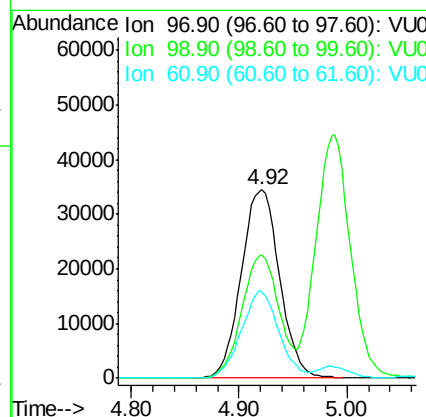
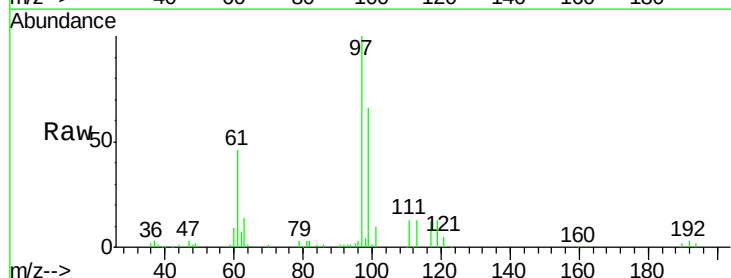
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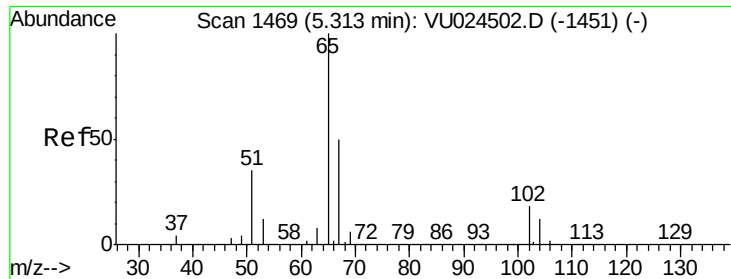
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#32
1,1,1-Trichloroethane
Concen: 21.07 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	45.4	39.4	59.0





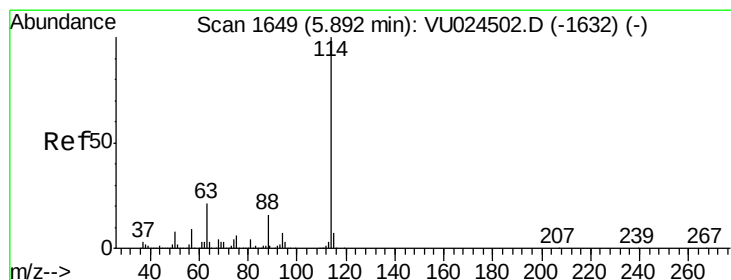
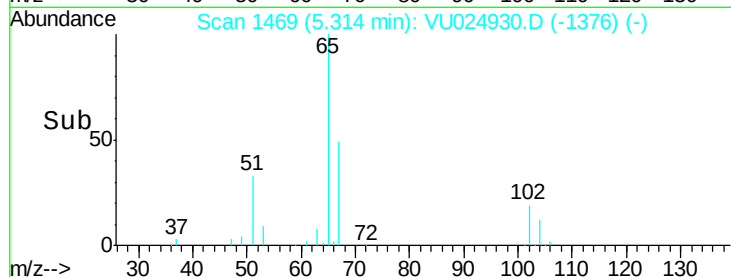
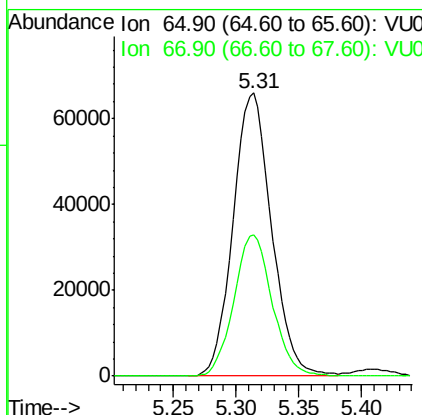
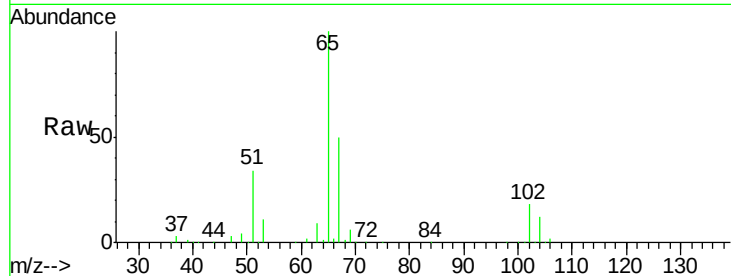
#33
 1,2-Dichloroethane-d4
 Concen: 48.30 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140730		
67	49.9	0.0	107.0	

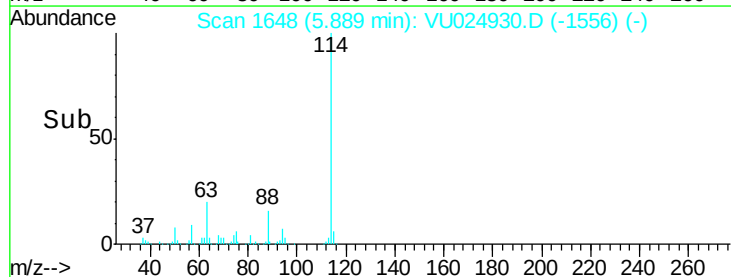
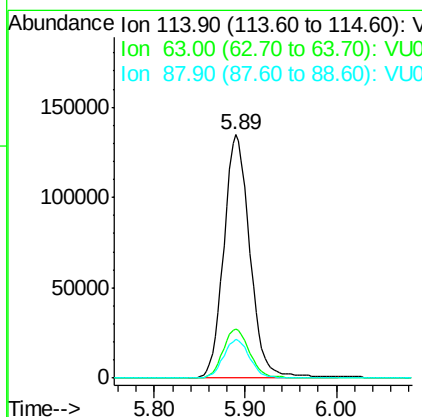
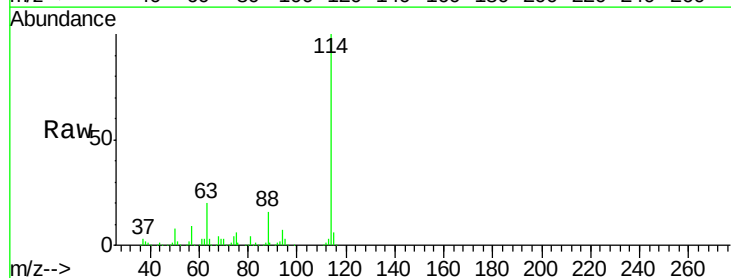
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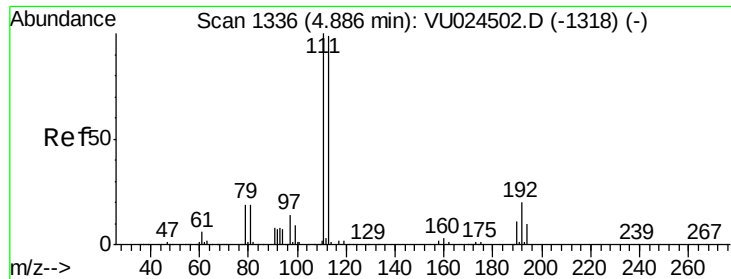
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269465		
63	20.3	0.0	45.4	
88	15.7	0.0	31.0	





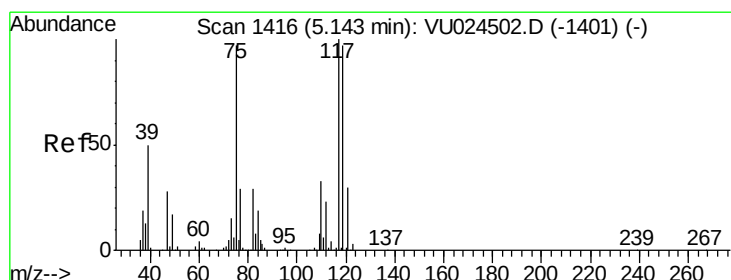
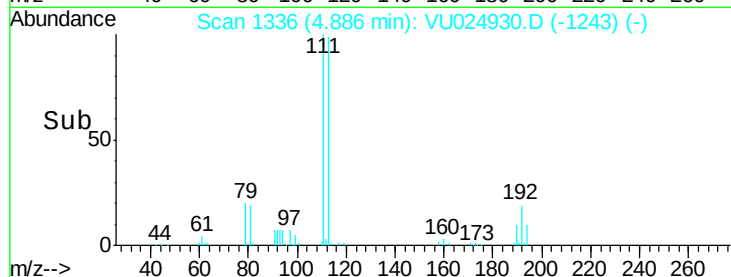
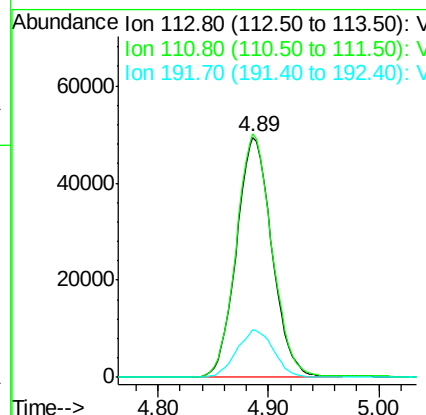
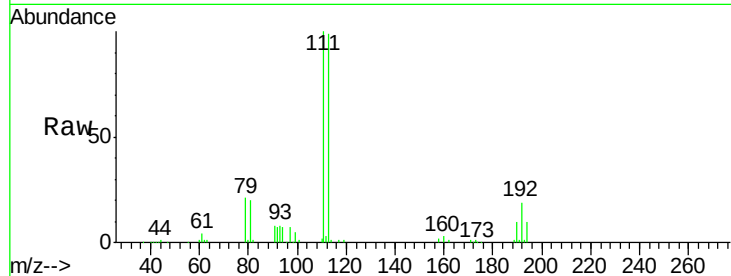
#35
 Dibromofluoromethane
 Concen: 49.27 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	110188		
111	101.8	82.2	123.4	
192	20.6	16.2	24.4	

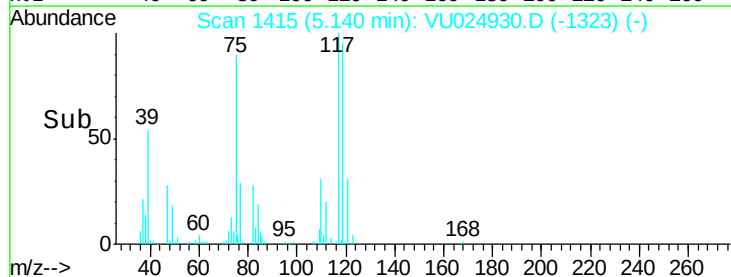
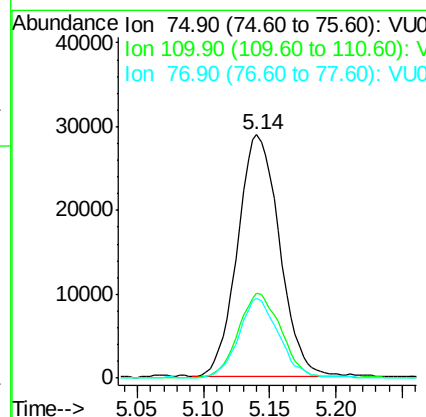
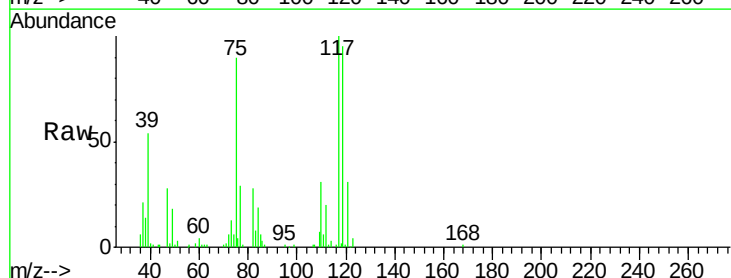
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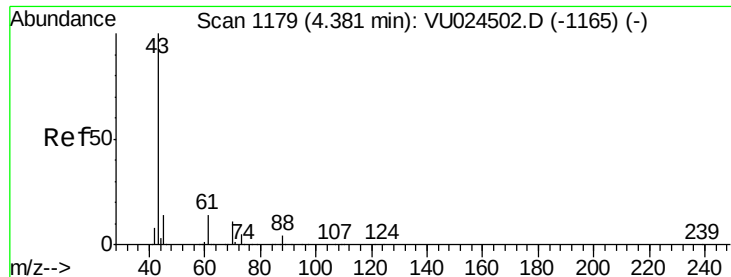
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#36
 1,1-Dichloropropene
 Concen: 20.05 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63480		
110	35.9	17.0	50.9	
77	31.5	24.2	36.4	





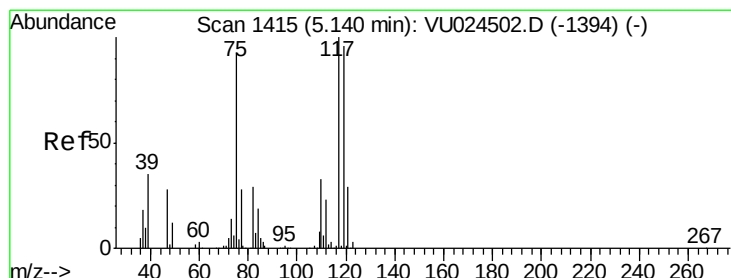
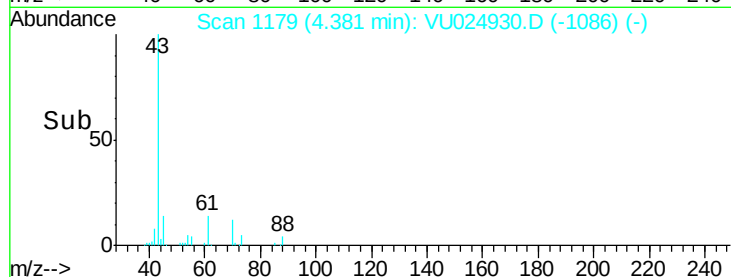
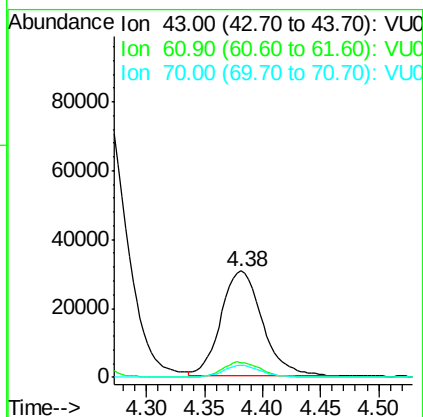
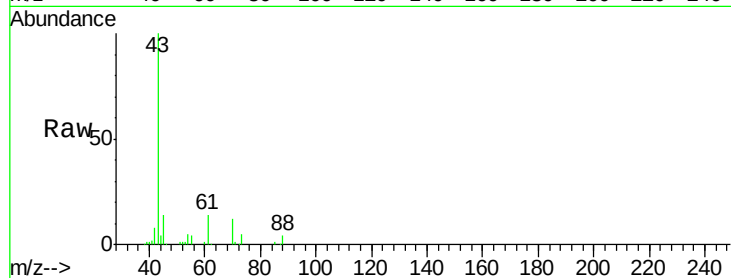
#37
Ethyl Acetate
Concen: 21.96 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	10.6	7.4	11.2

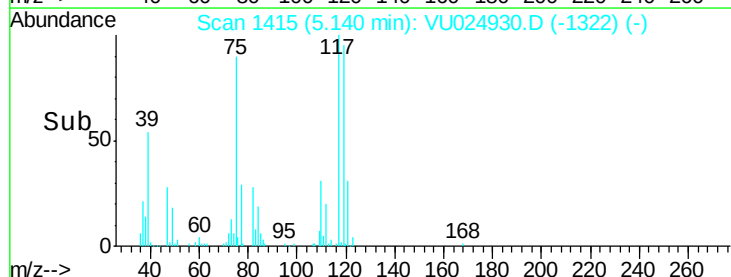
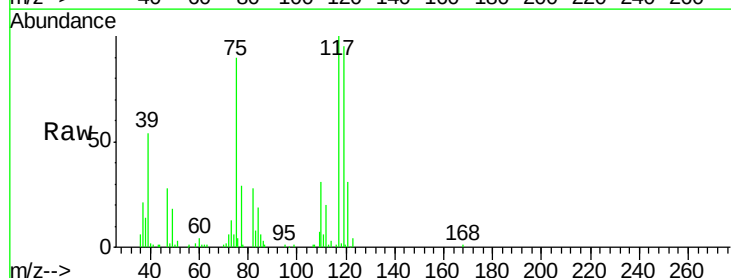
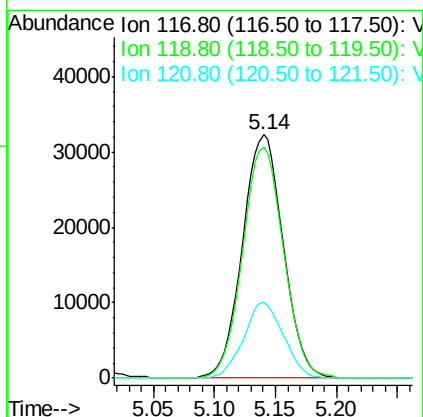
Manual Integrations
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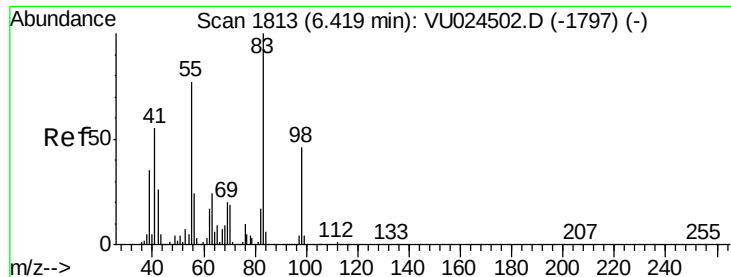
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#38
Carbon Tetrachloride
Concen: 21.42 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.1	114.1
121	31.0	23.7	35.5





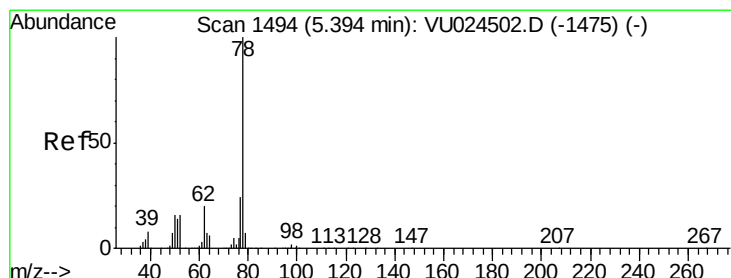
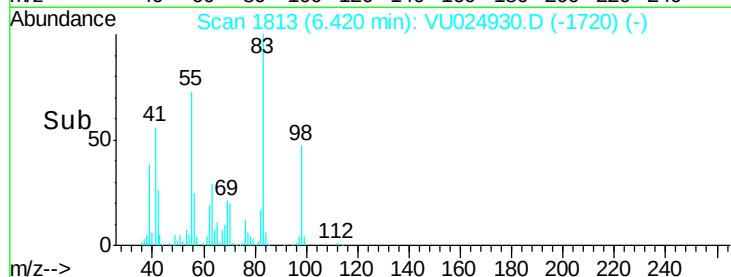
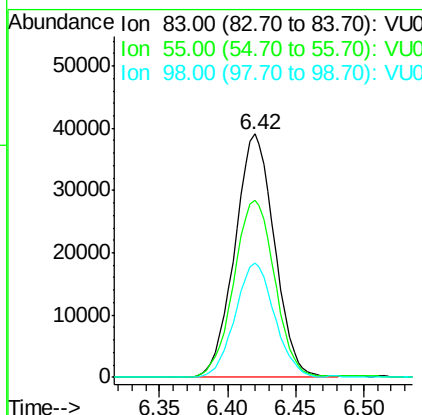
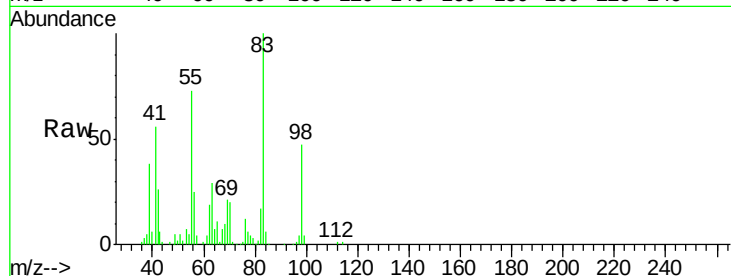
#39
Methylvlcyclohexane
Concen: 20.00 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	65.8	98.6
98	46.9	36.7	55.1

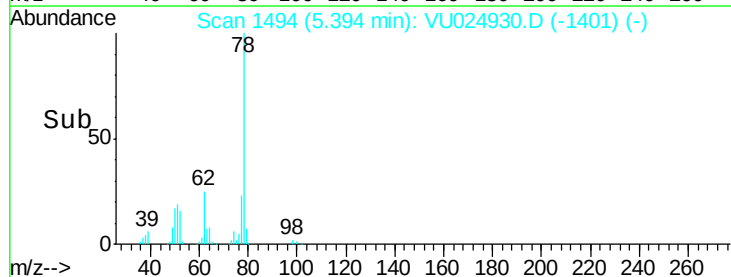
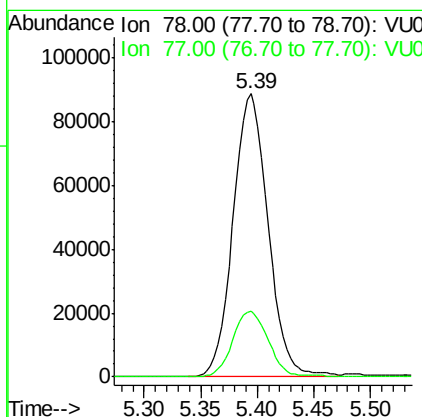
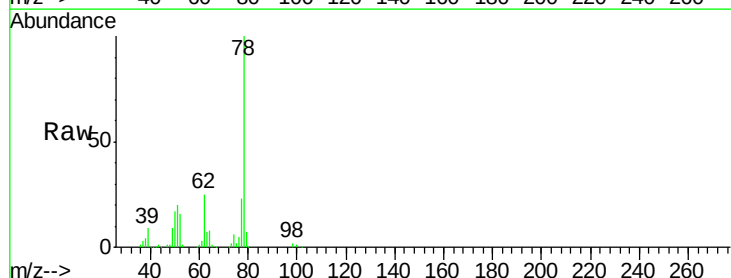
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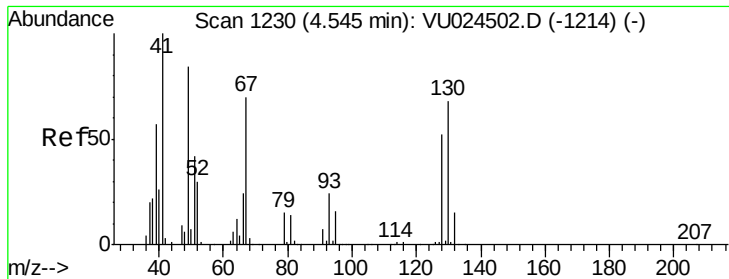
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#40
Benzene
Concen: 21.26 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





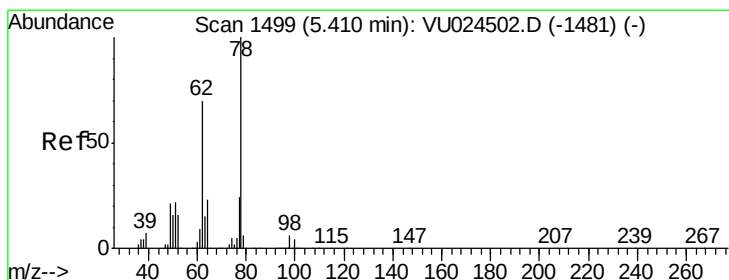
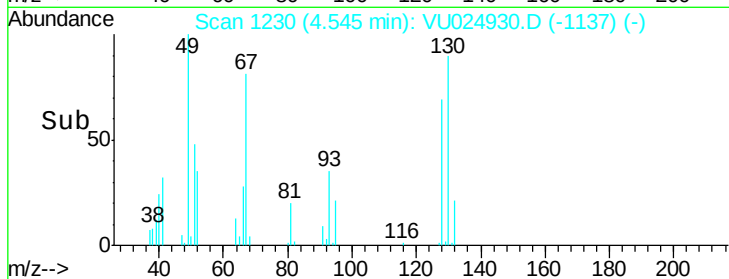
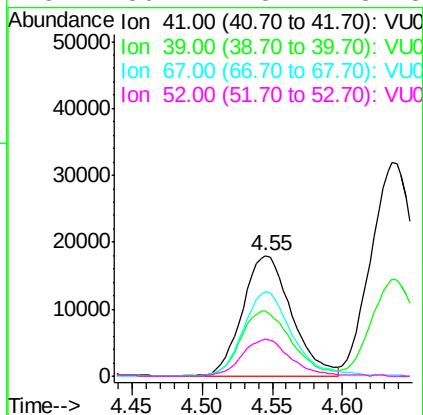
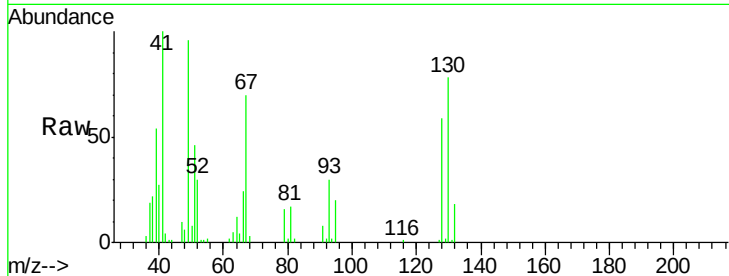
#41
Methacrylonitrile
Concen: 23.66 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.2	43.8	65.6	
67	69.8	56.3	84.5	
52	30.4	23.2	34.8	

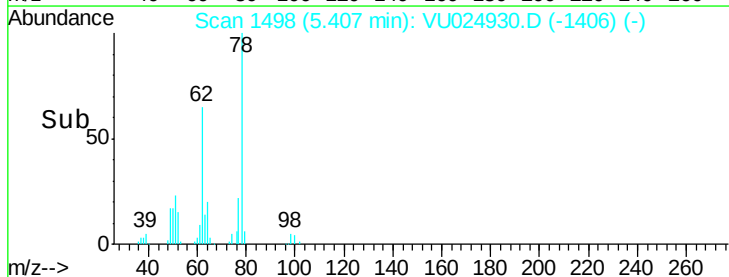
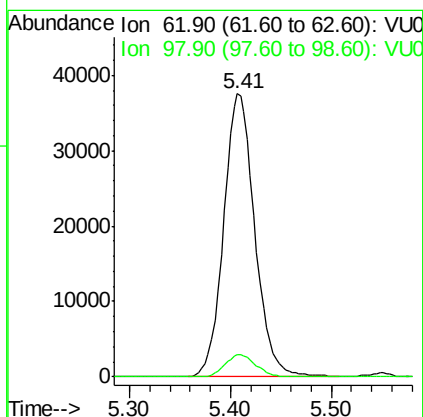
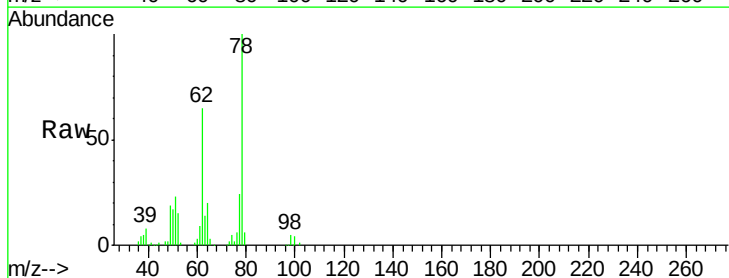
Manual Integrations
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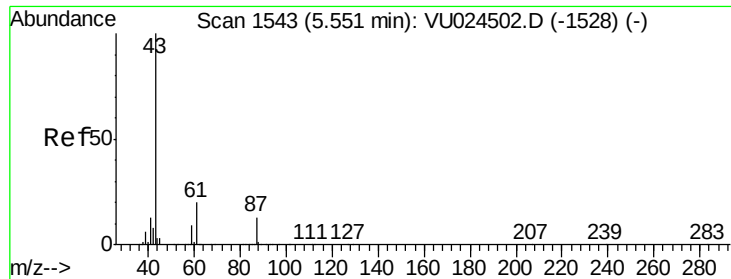
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#42
1,2-Dichloroethane
Concen: 23.42 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.6	





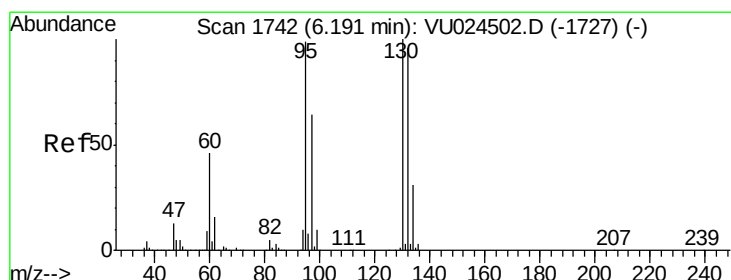
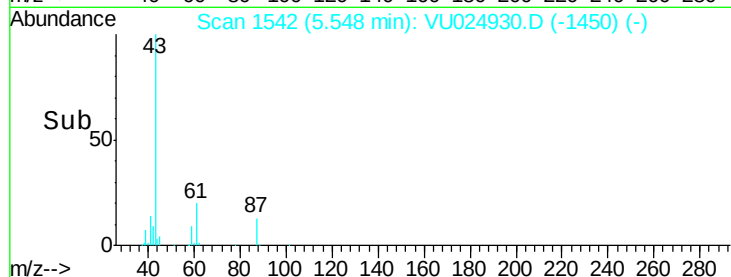
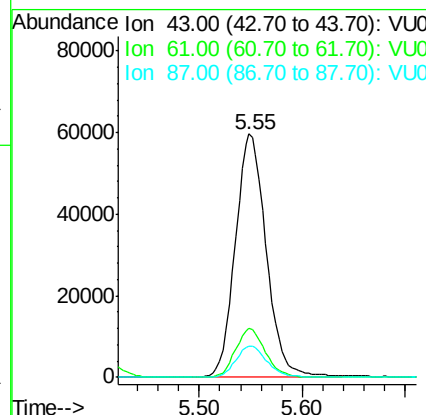
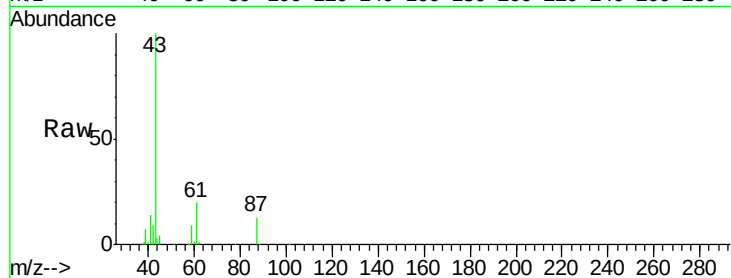
#43
Isopropyl Acetate
Concen: 20.68 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Resp Lower	Upper
43	100		
61	19.6	15.4	23.0
87	13.0	10.0	15.0

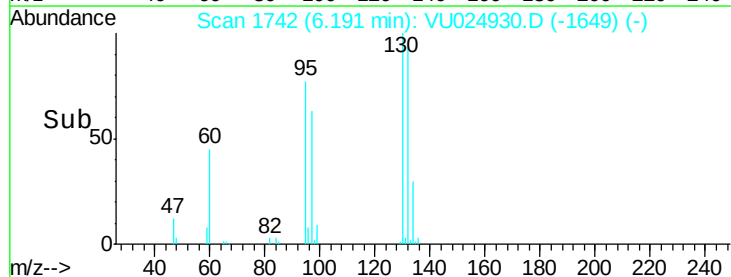
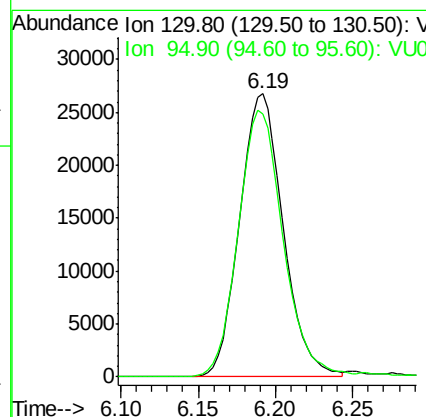
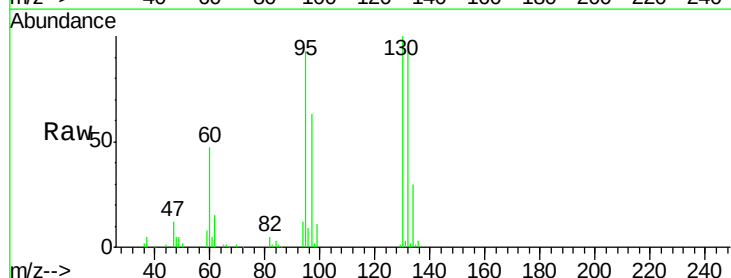
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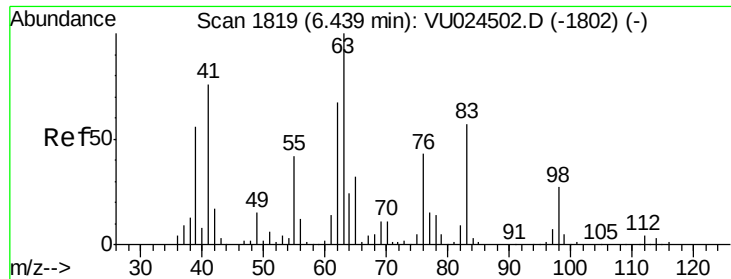
apatel
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#44
Trichloroethene
Concen: 20.41 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Resp Lower	Upper
130	100		
95	93.1	0.0	202.4





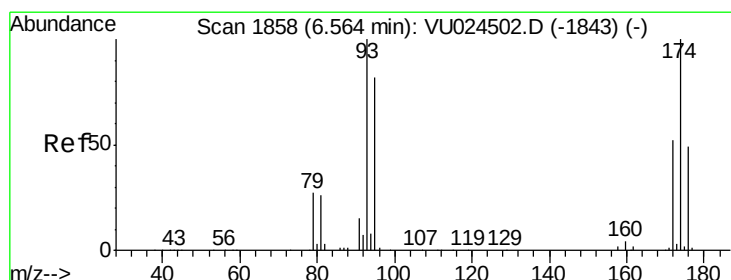
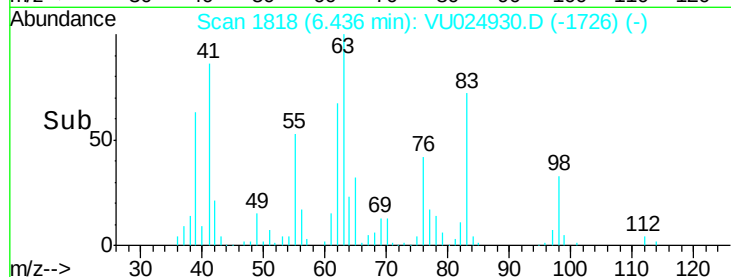
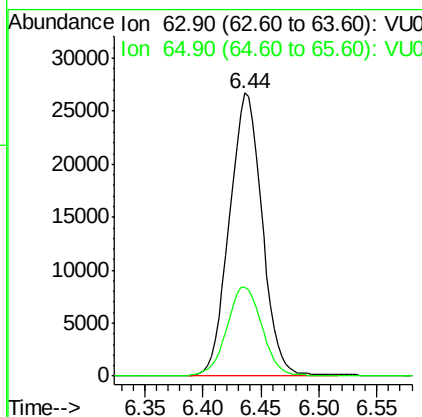
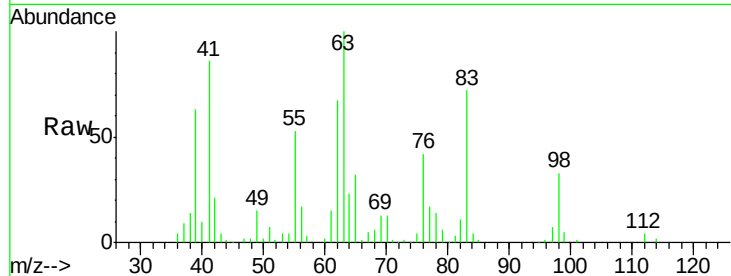
#45
 1,2-Dichloropropane
 Concen: 21.69 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion: 63 Resp: 52229
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

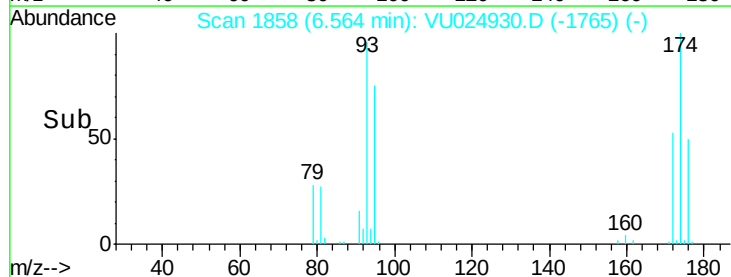
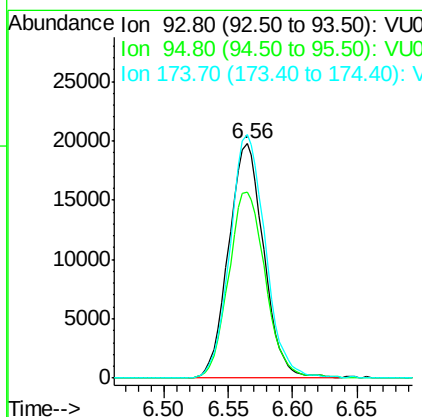
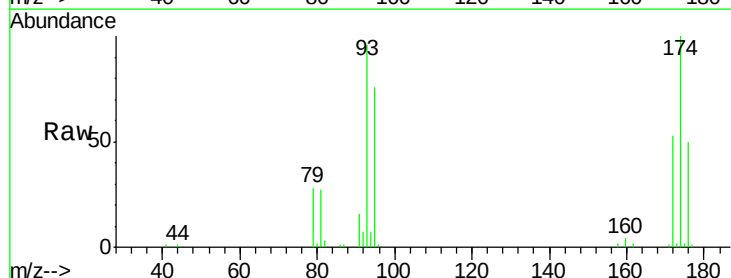
Manual Integrations
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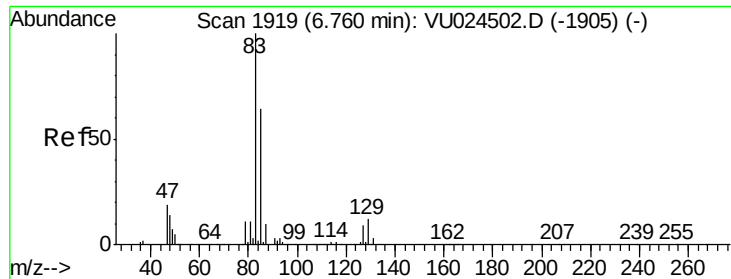
apatel
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#46
 Dibromomethane
 Concen: 22.16 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 93 Resp: 37475
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.5 98.3
 174 104.3 78.7 118.1





#47

Bromodichloromethane

Concen: 21.32 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

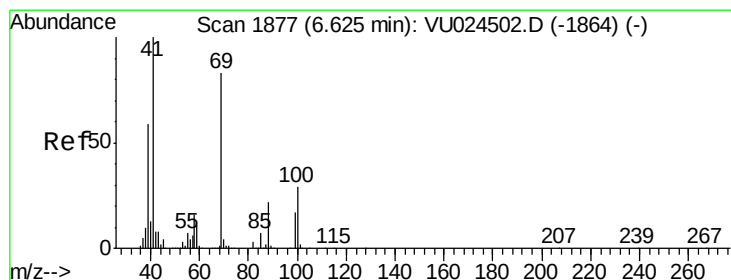
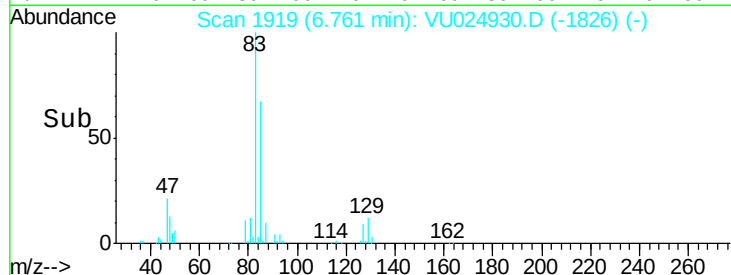
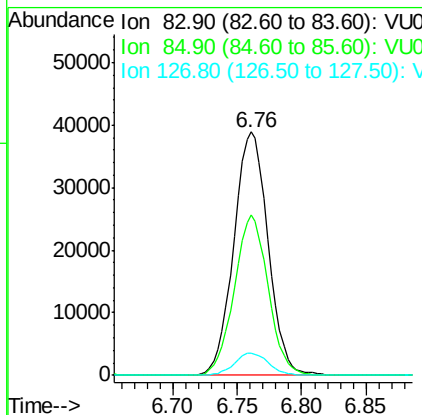
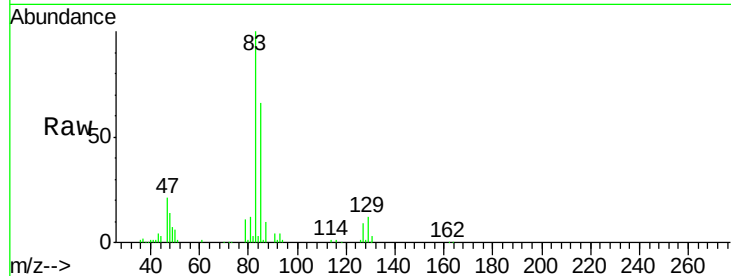
ClientSampleId :

VU0627MBS01

Tot Ion:	83	Resp:	71802
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9
127	9.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.95 ug/l

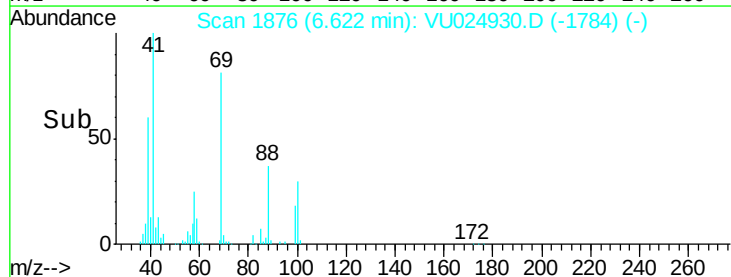
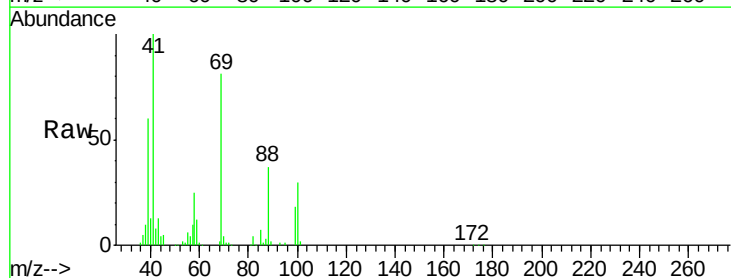
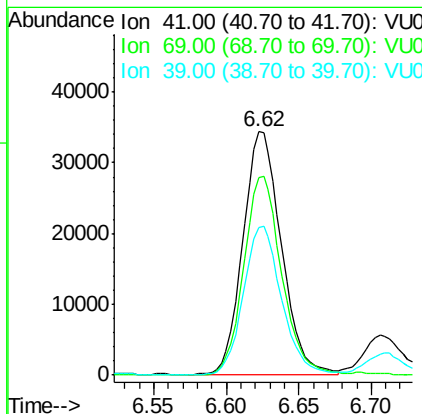
RT: 6.62 min Scan# 1876

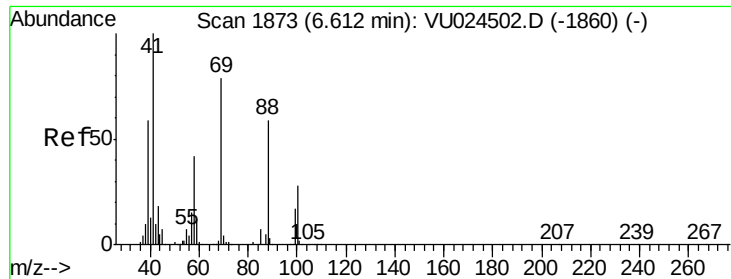
Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	41	Resp:	63759
Ion	Ratio	Lower	Upper
41	100		
69	80.4	67.3	100.9
39	60.6	46.5	69.7





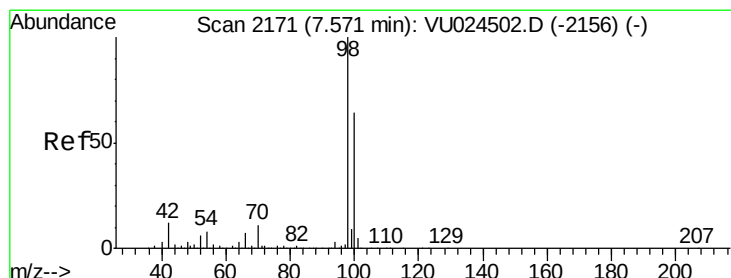
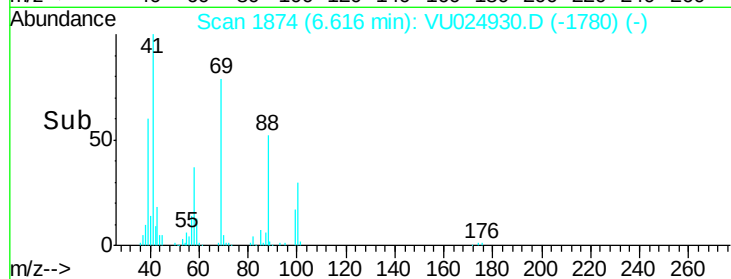
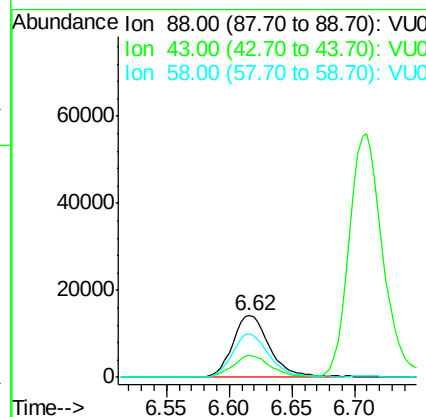
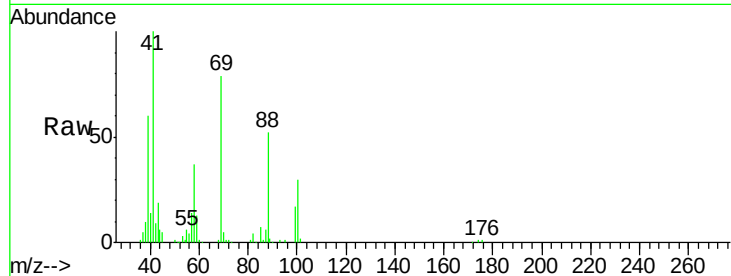
#49
1,4-Dioxane
Concen: 512.29 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	42.8
58	68.8	58.2	87.4

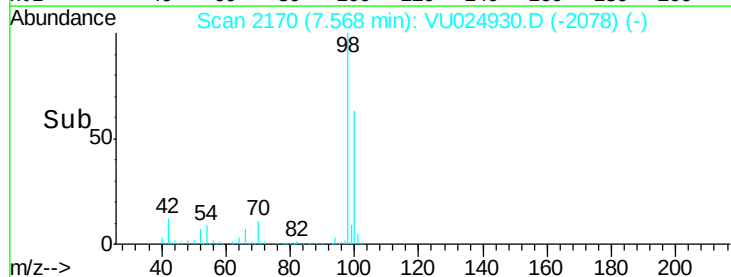
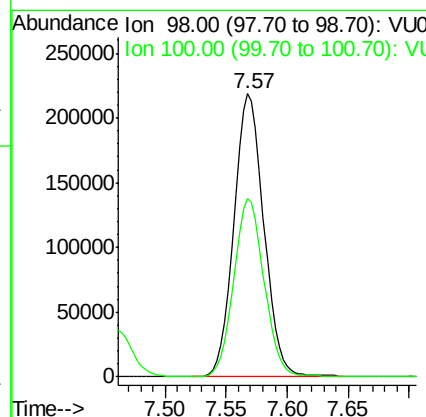
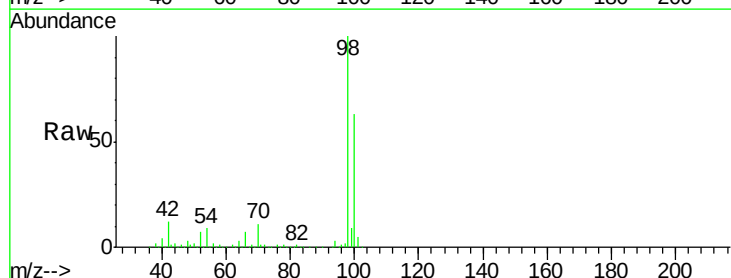
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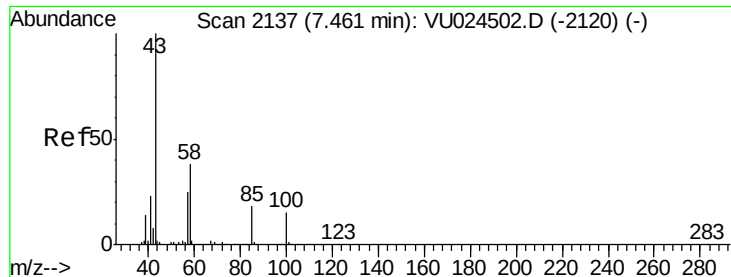
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#50
Toluene-d8
Concen: 46.02 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 109.40 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 43 Resp: 410001

Ion Ratio Lower Upper

43 100

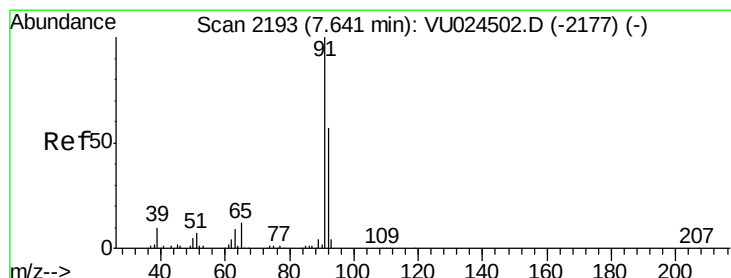
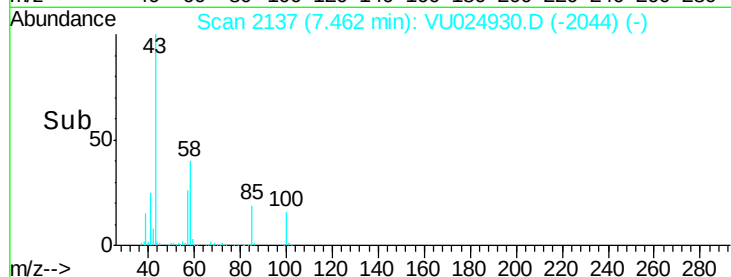
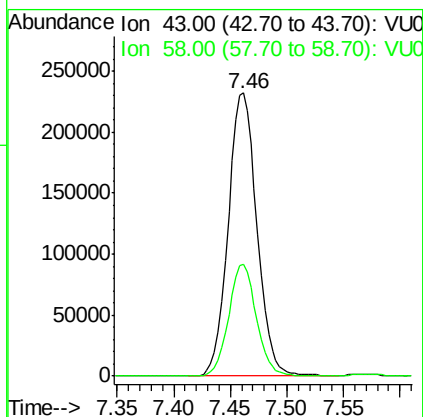
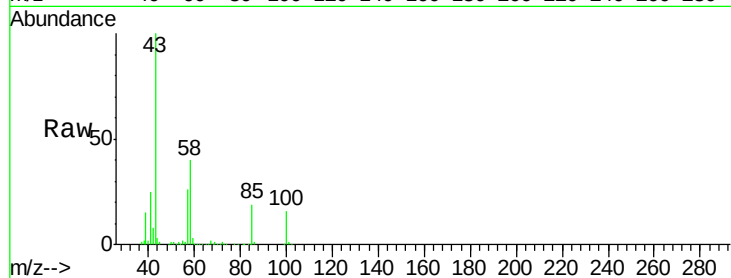
58 38.2 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 21.30 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024930.D

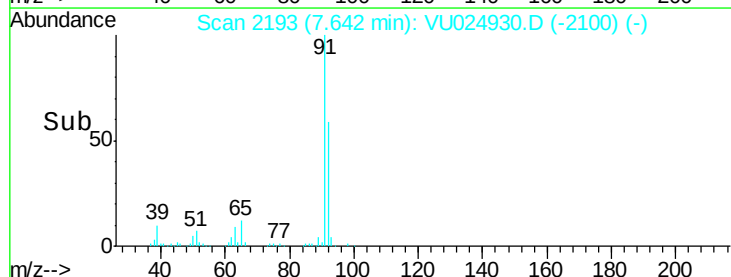
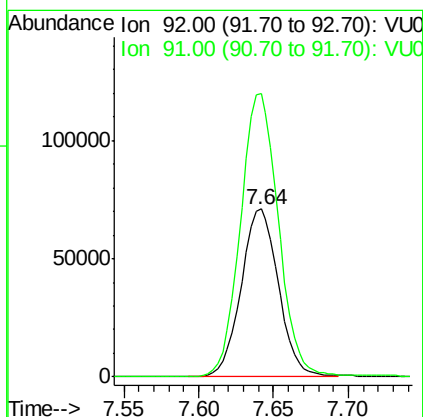
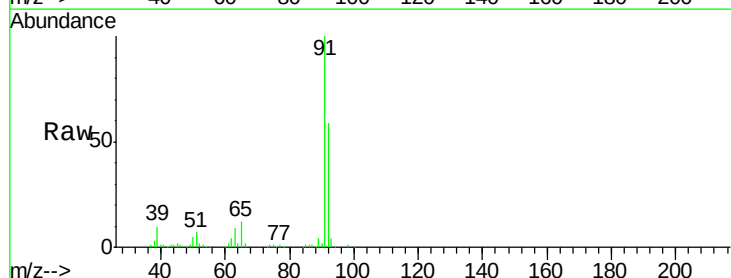
Acq: 26 Jun 2018 19:31

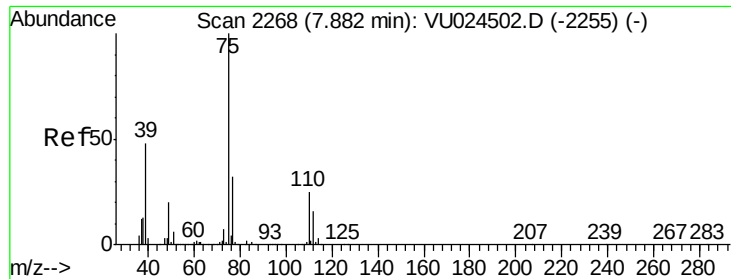
Tgt Ion: 92 Resp: 123615

Ion Ratio Lower Upper

92 100

91 172.6 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 20.23 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampled :

VU0627MBS01

Tot Ion: 75 Resp: 76495

Ion Ratio Lower Upper

75 100

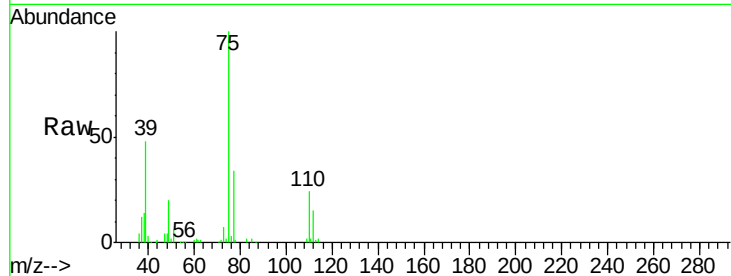
77 33.6 24.8 37.2

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

7.88

50000

40000

30000

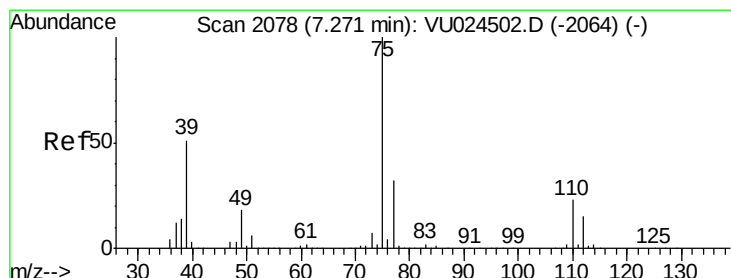
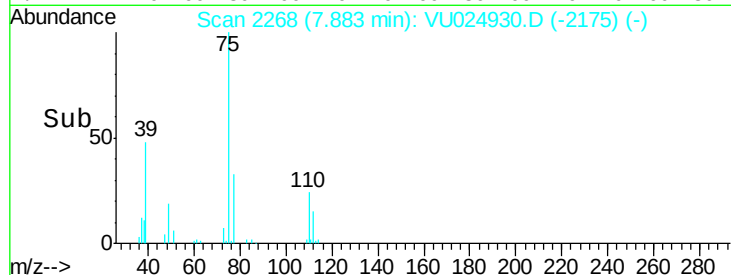
20000

10000

0

Time-->

7.80 7.85 7.90 7.95 8.00



#54

cis-1,3-Dichloropropene

Concen: 19.81 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

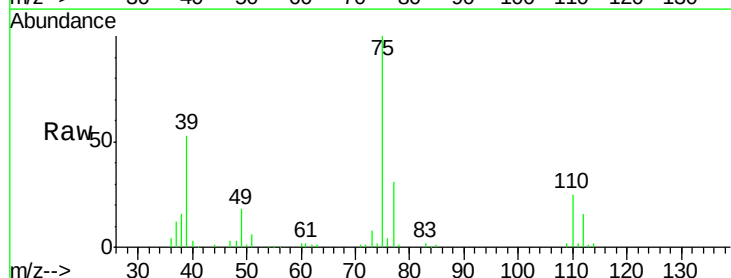
Tgt Ion: 75 Resp: 79834

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8

39 53.2 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

7.27

60000

50000

40000

30000

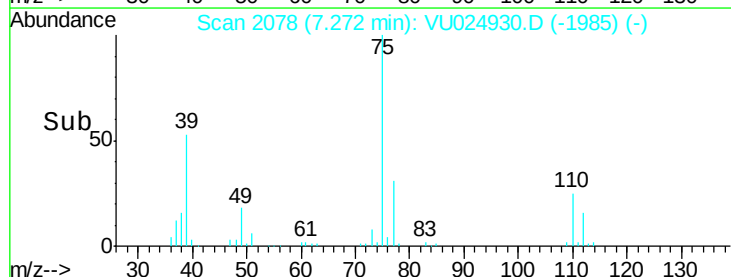
20000

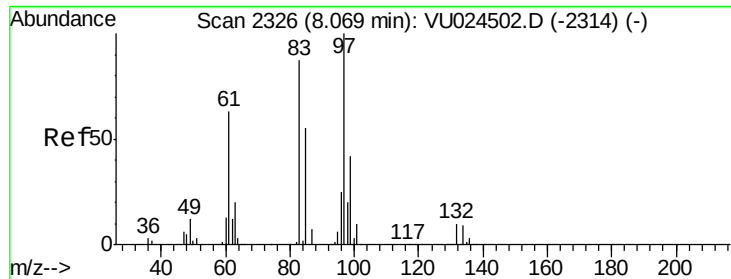
10000

0

Time-->

7.20 7.25 7.30 7.35





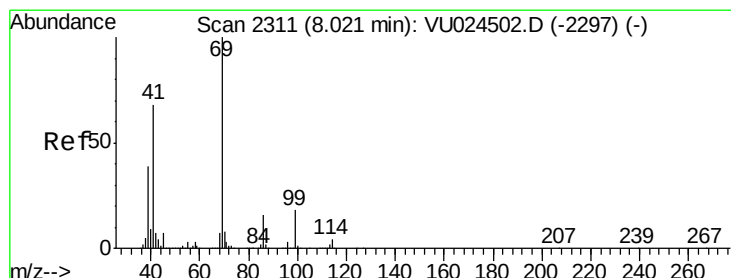
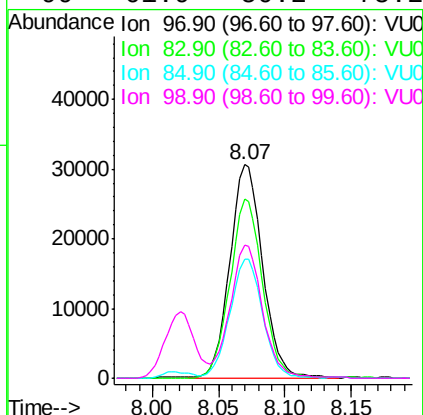
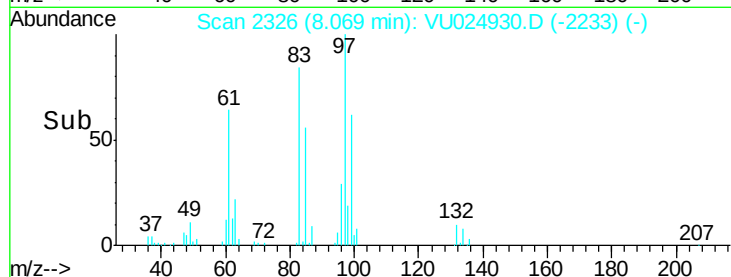
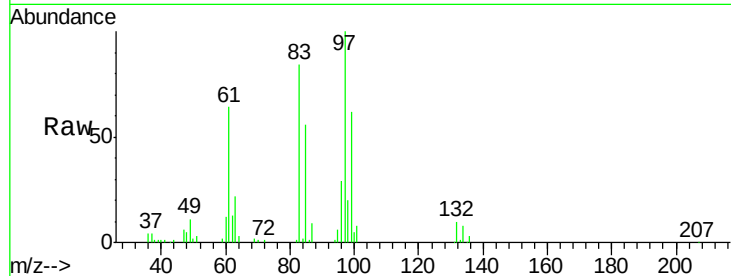
#55
 1,1,2-Trichloroethane
 Concen: 22.38 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion:	97	Resp:	52818
Ion	Ratio	Lower	Upper
97	100		
83	83.8	70.5	105.7
85	55.0	46.4	69.6
99	61.9	50.2	75.2

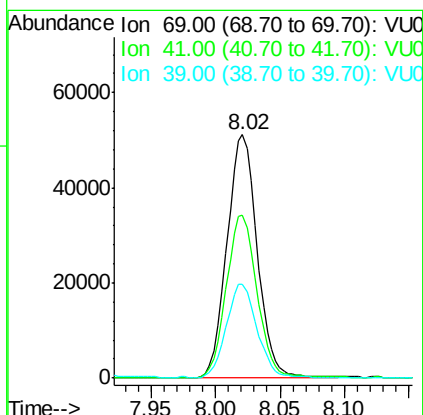
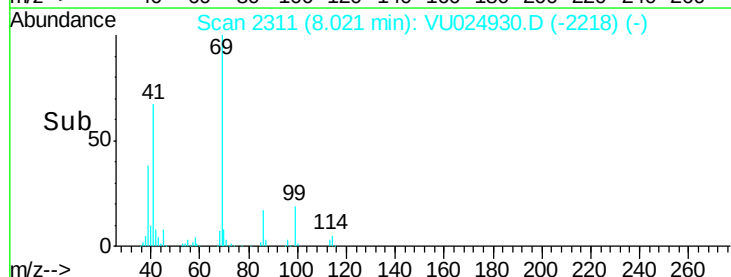
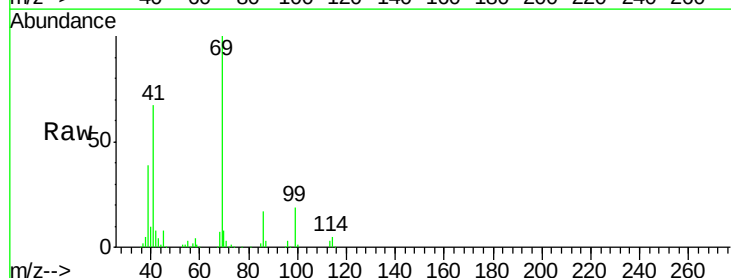
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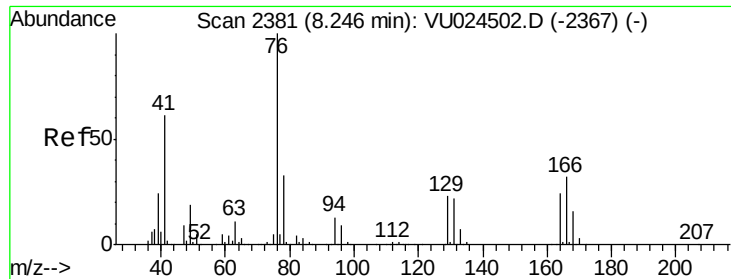
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#56
 Ethyl methacrylate
 Concen: 21.19 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion:	69	Resp:	83684
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	38.4	30.3	45.5





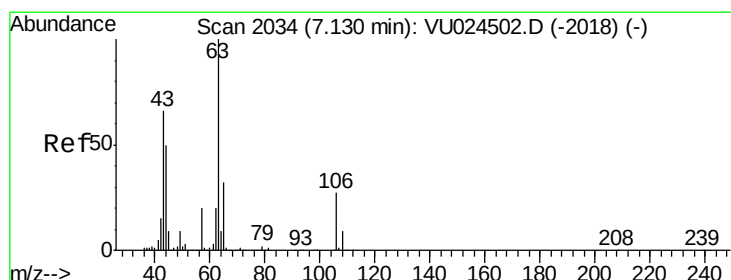
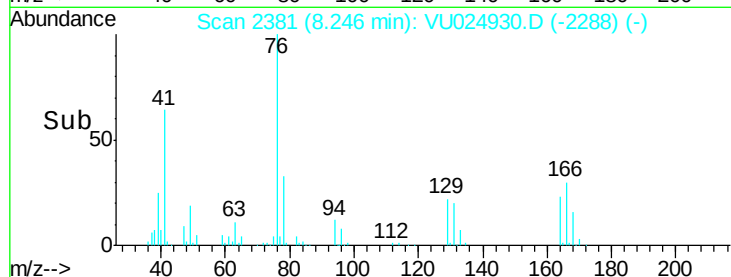
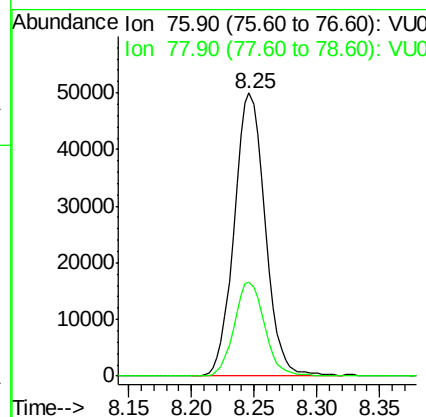
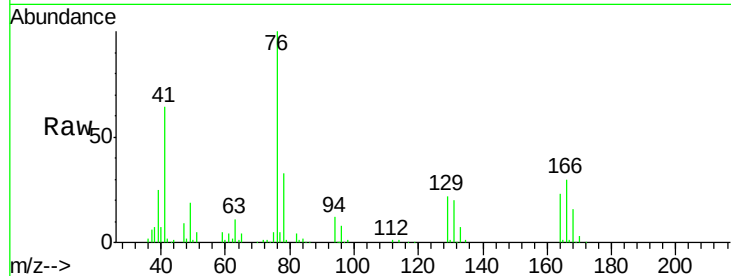
#57
 1,3-Dichloropropane
 Concen: 21.55 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampled :
 VU0627MBS01

Tot Ion: 76 Resp: 85788
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8

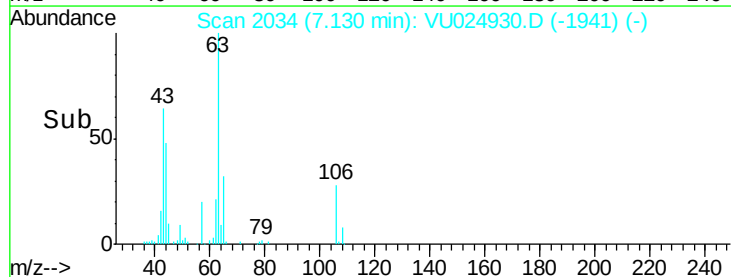
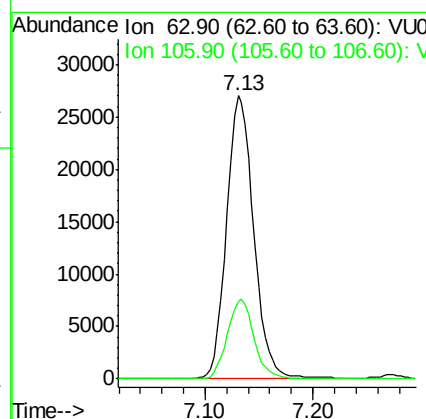
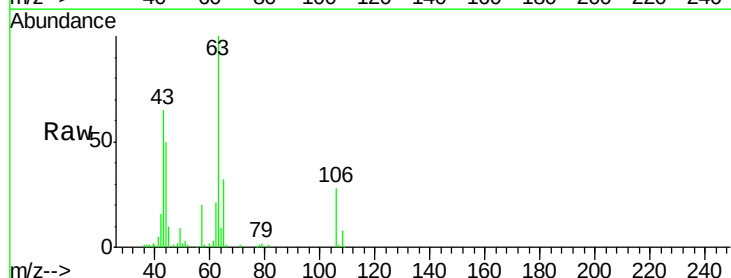
Manual Integrations
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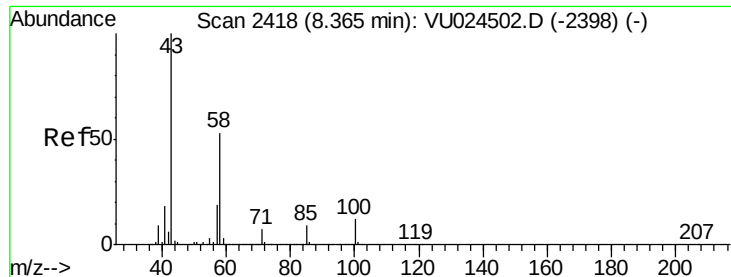
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#58
 2-Chloroethyl Vinyl ether
 Concen: 31.31 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion: 63 Resp: 47374
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.2 30.2





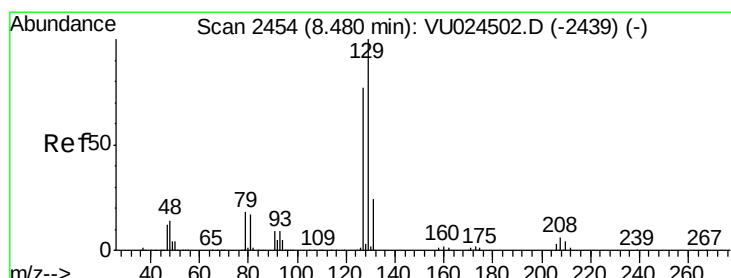
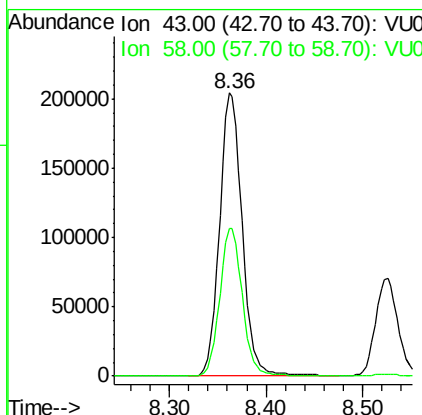
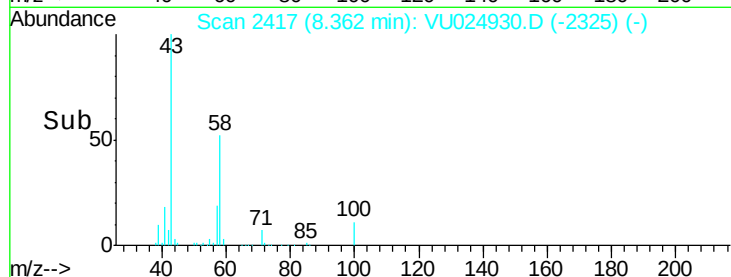
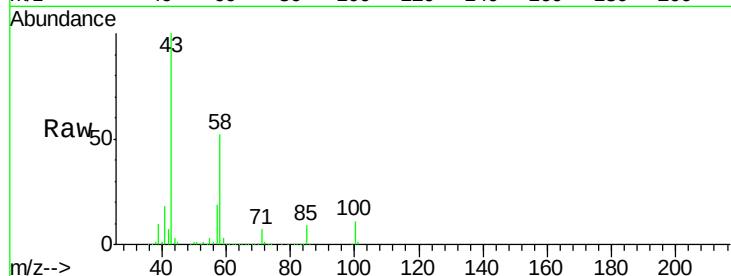
#59
2-Hexanone
Concen: 108.30 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion: 43 Resp: 331373
Ion Ratio Lower Upper
43 100
58 51.9 26.4 79.0

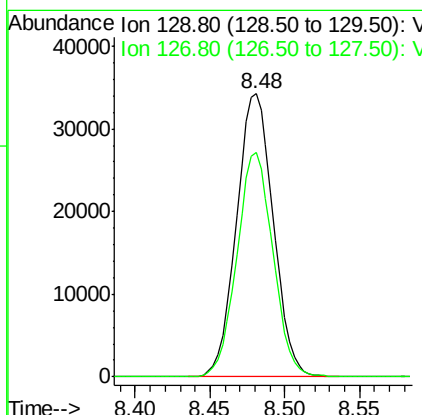
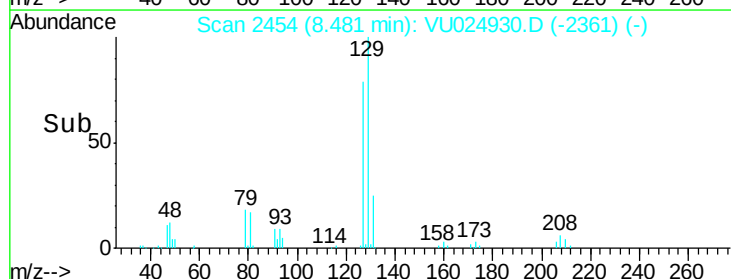
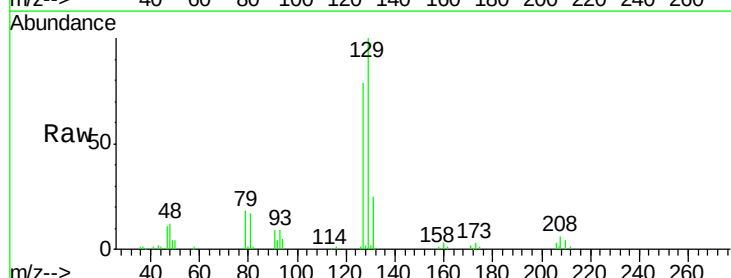
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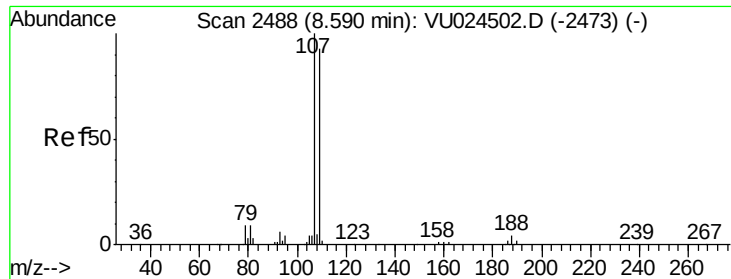
apatel
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#60
Dibromochloromethane
Concen: 19.92 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 129 Resp: 58608
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





#61

1,2-Dibromoethane

Concen: 21.23 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion:107 Resp: 55744

Ion Ratio Lower Upper

107 100

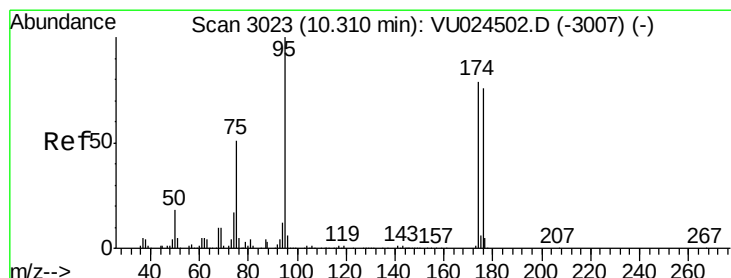
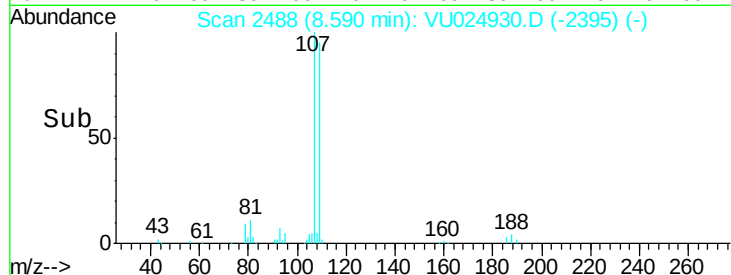
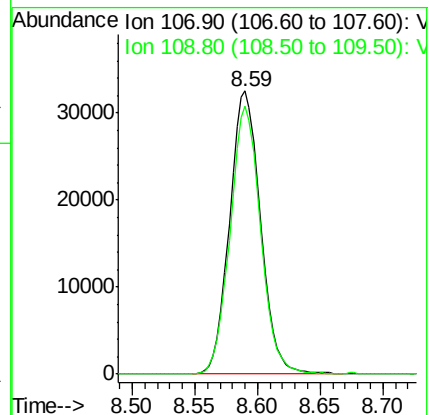
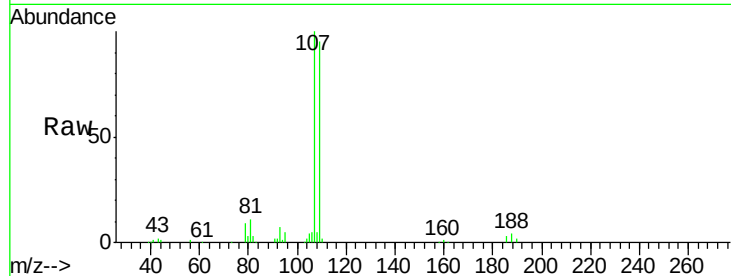
109 93.2 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 46.54 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

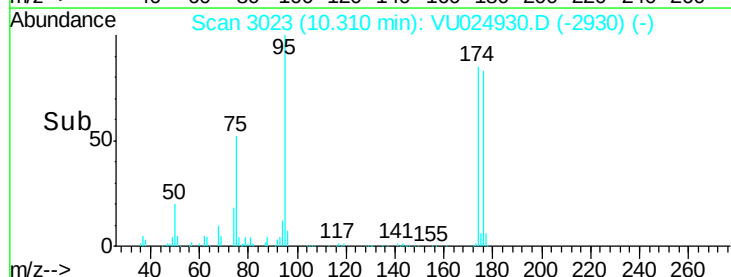
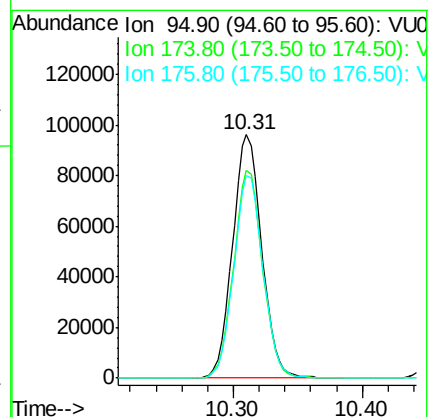
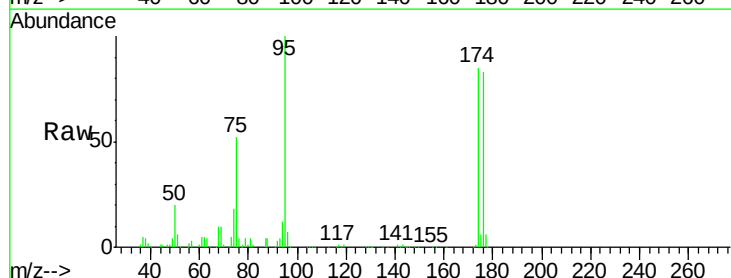
Tgt Ion: 95 Resp: 150717

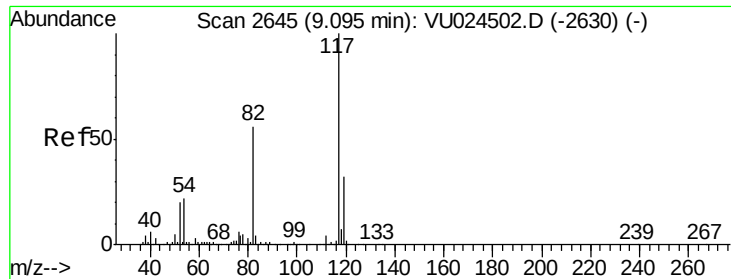
Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

176 83.3 0.0 159.4





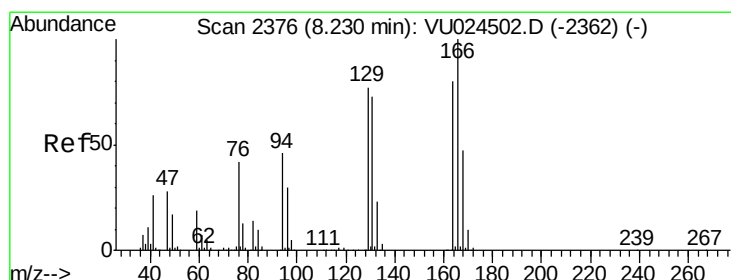
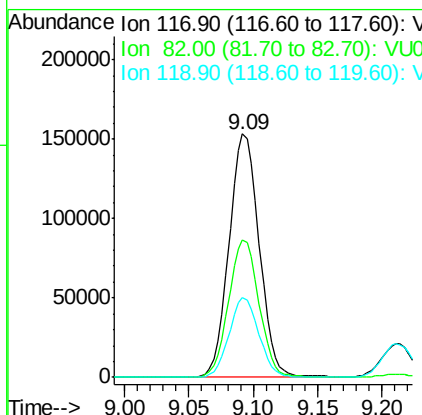
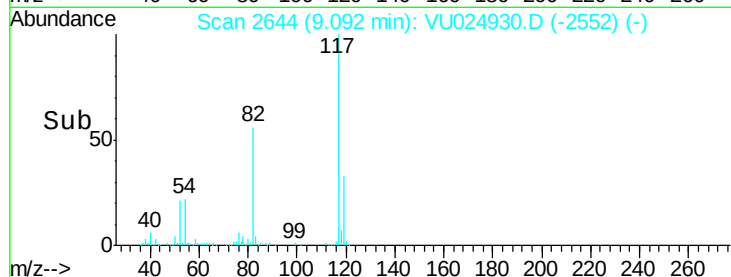
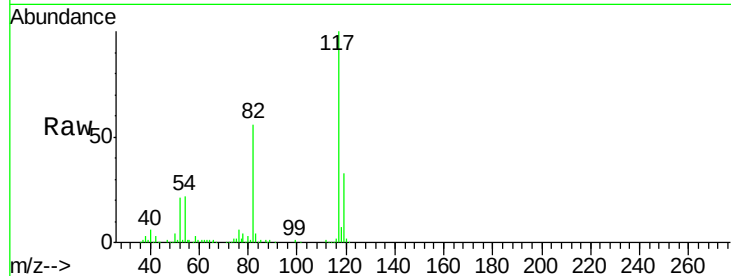
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249832		
82	56.2	44.3	66.5	
119	32.8	25.4	38.2	

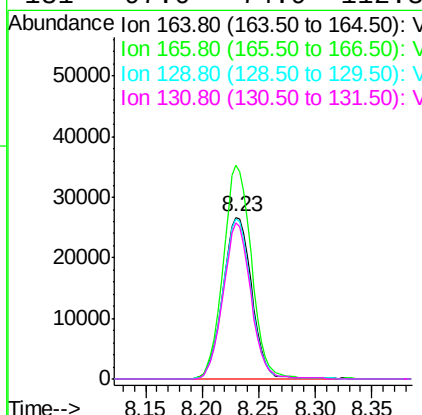
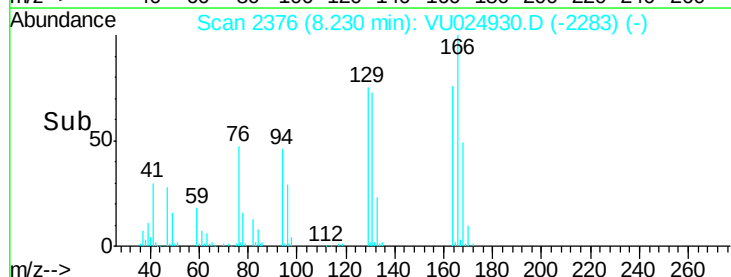
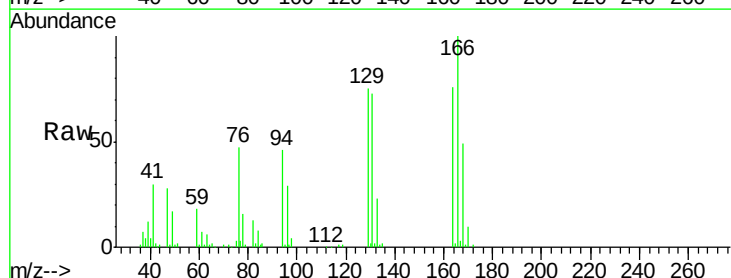
Manual Integrations
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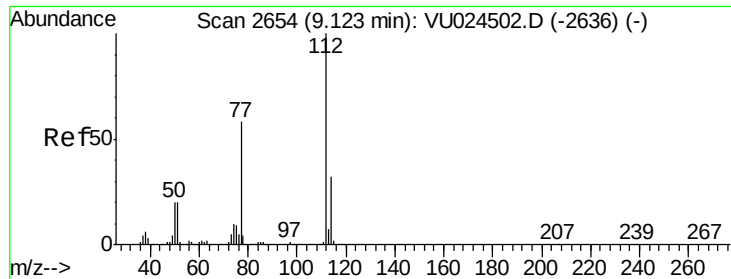
apatel
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#64
Tetrachloroethene
Concen: 19.98 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47458		
166	132.3	101.7	152.5	
129	98.9	76.9	115.3	
131	97.0	74.9	112.3	





#65

Chlorobenzene

Concen: 22.17 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion:112 Resp: 141509

Ion Ratio Lower Upper

112 100

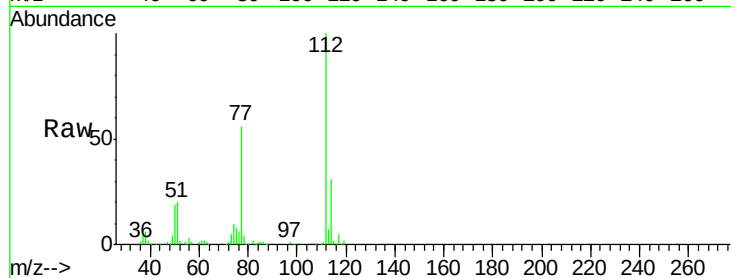
114 31.2 25.6 38.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.12

80000

60000

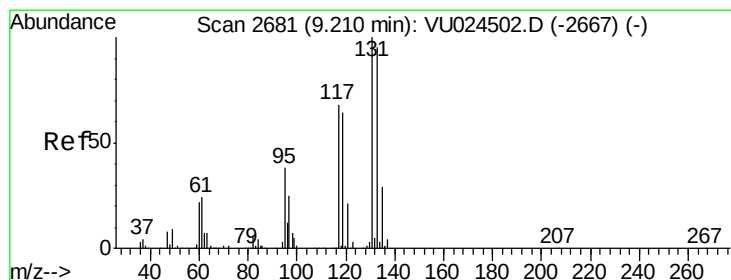
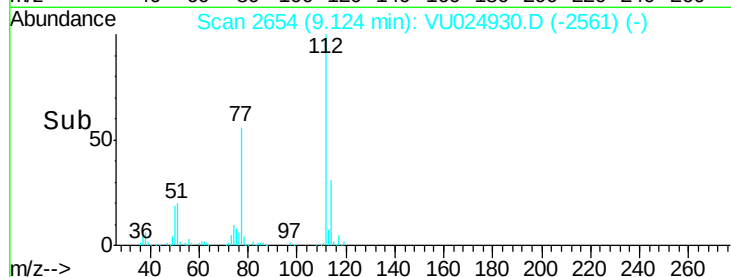
40000

20000

0

9.05 9.10 9.15 9.20

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.40 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

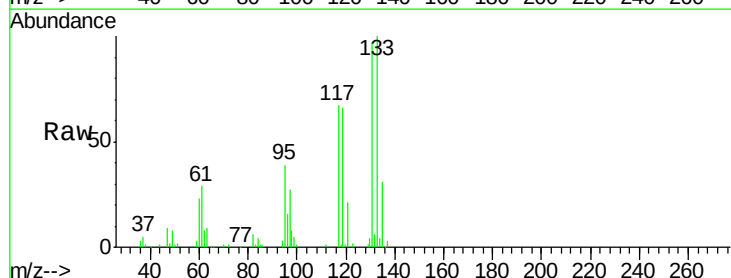
Tgt Ion:131 Resp: 51902

Ion Ratio Lower Upper

131 100

133 101.7 46.9 140.8

119 67.8 33.5 100.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.21

40000

30000

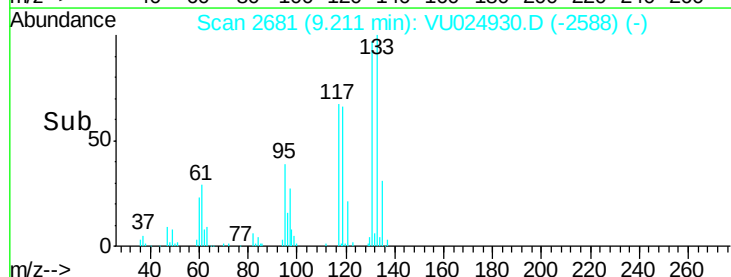
20000

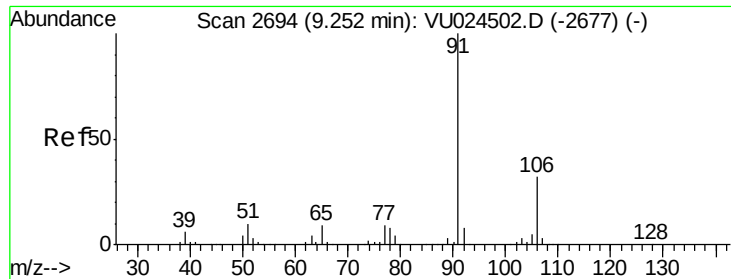
10000

0

9.15 9.20 9.25 9.30

Time-->





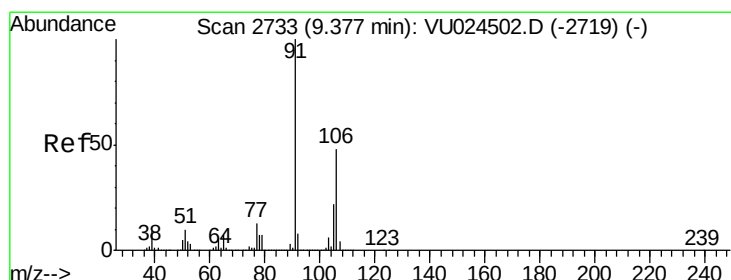
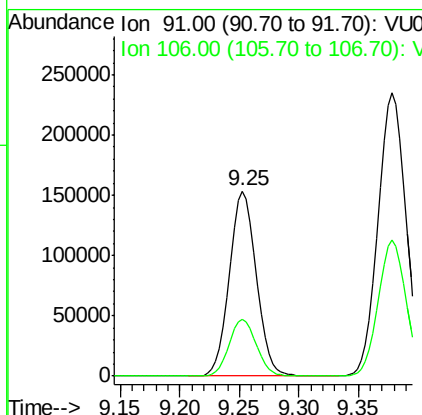
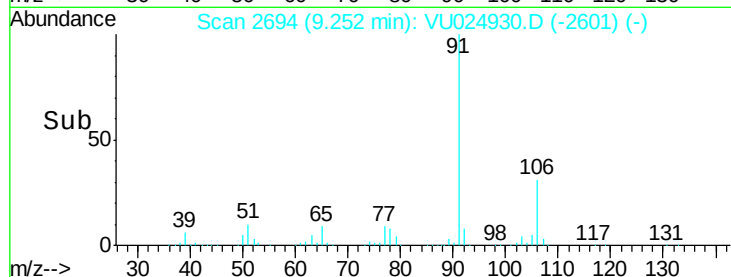
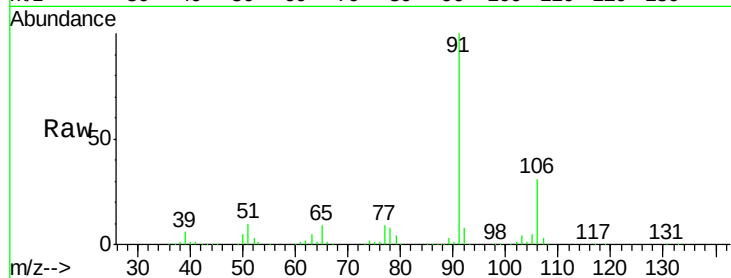
#67
Ethyl Benzene
Concen: 21.59 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tot Ion: 91 Resp: 241530
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

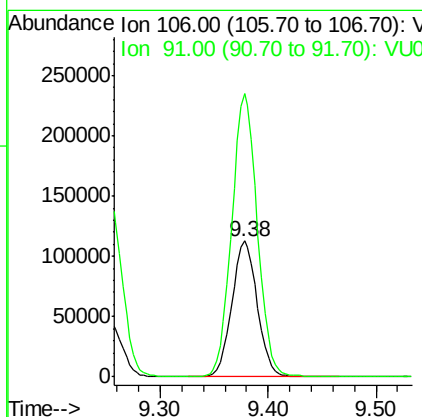
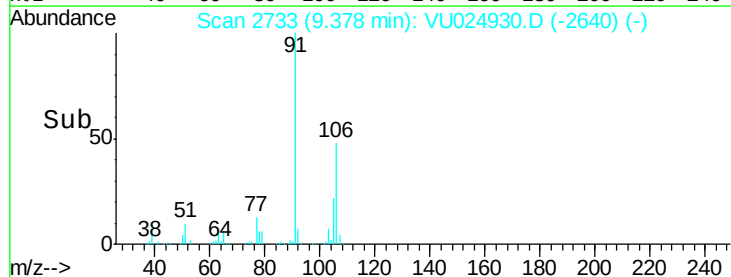
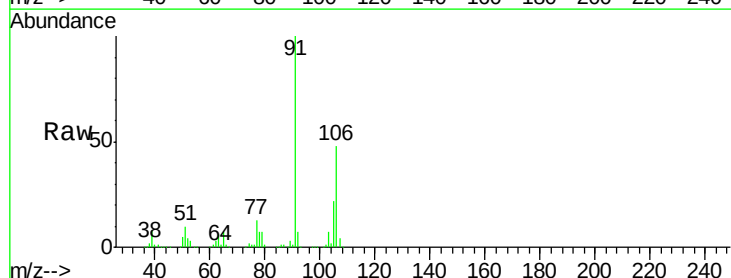
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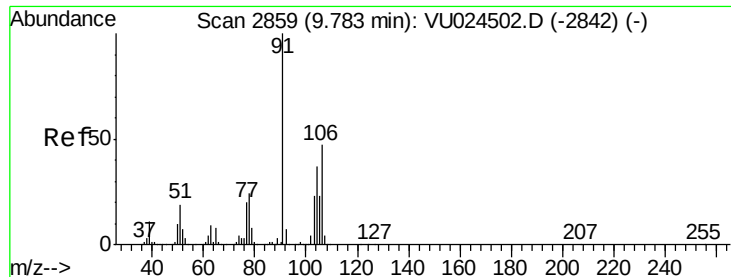
apatel
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#68
m/p-Xylenes
Concen: 43.22 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion: 106 Resp: 185697
Ion Ratio Lower Upper
106 100
91 208.5 166.5 249.7





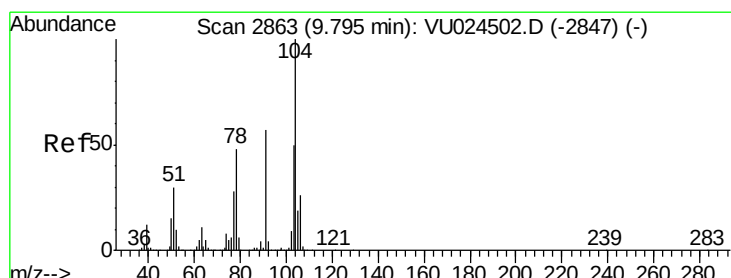
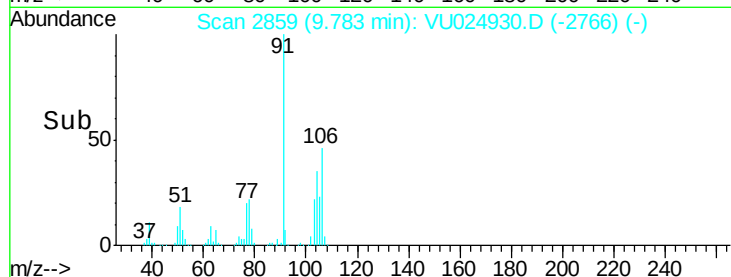
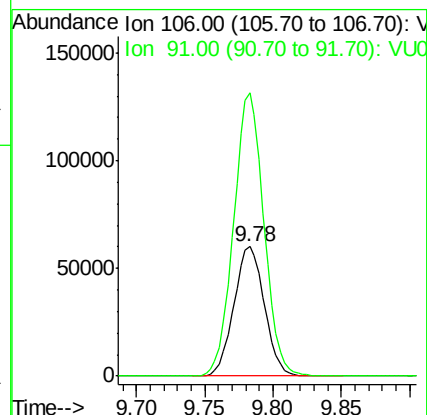
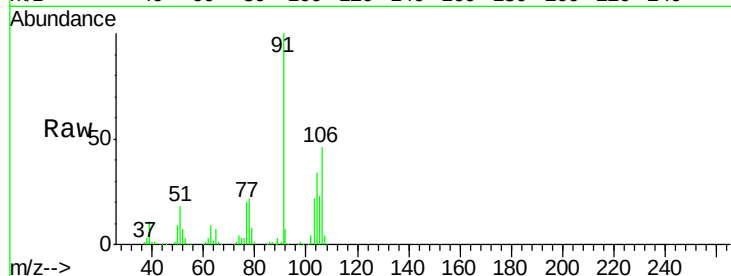
#69
o-Xylene
Concen: 21.96 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0627MBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.7	110.7	331.9	

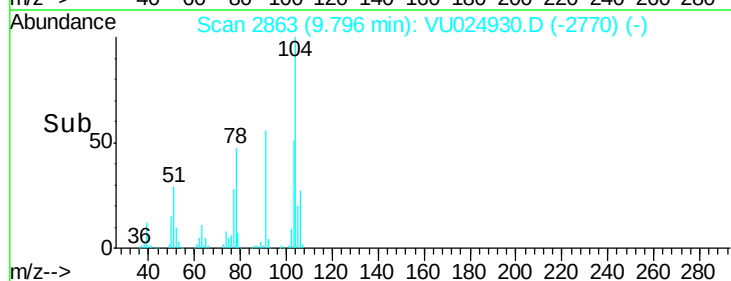
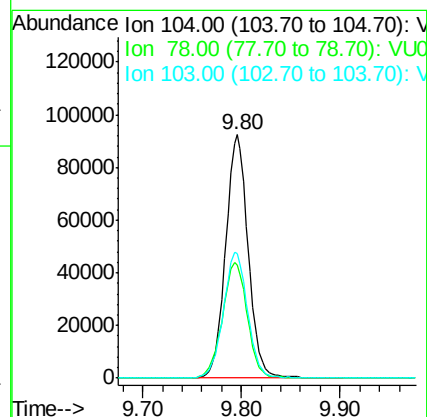
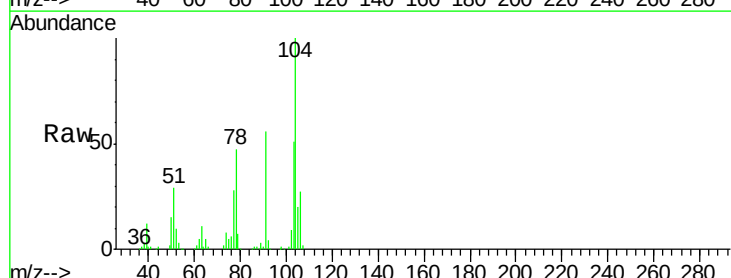
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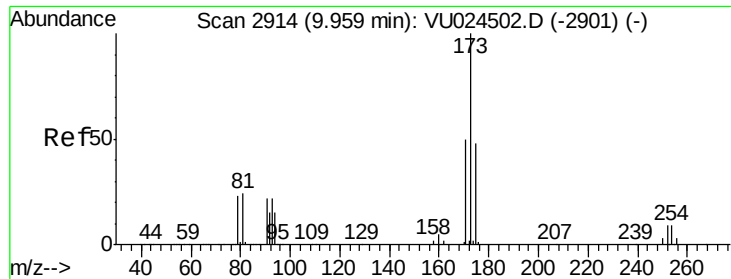
apatel
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#70
Styrene
Concen: 21.24 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	40.6	60.8	
103	55.3	44.7	67.1	





#71

Bromoform

Concen: 19.55 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

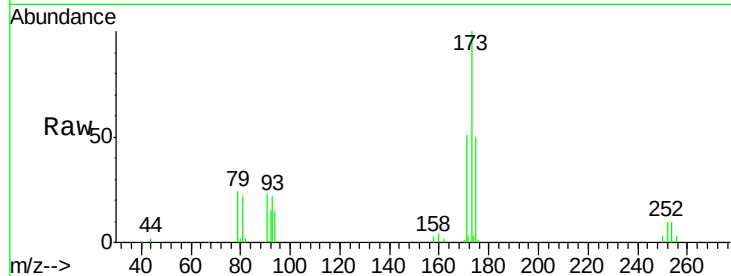
VU0627MBS01

Tot Ion:	173	Resp:	45058
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.6	74.0
254	0.0	0.0	0.0

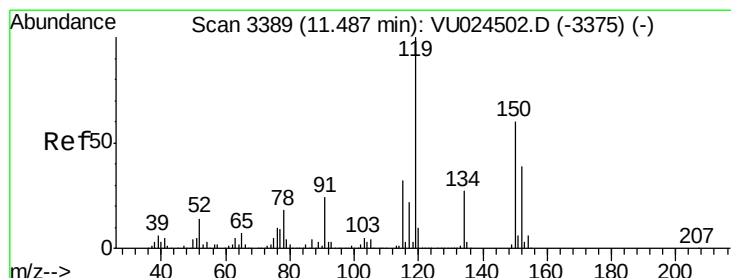
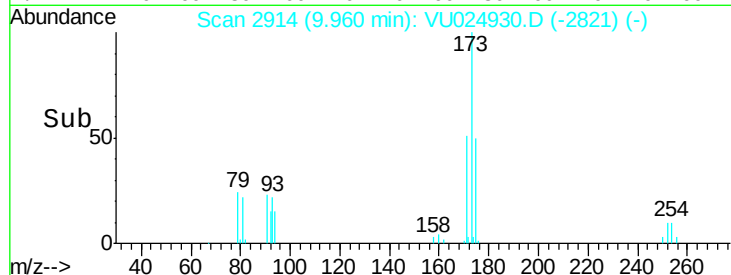
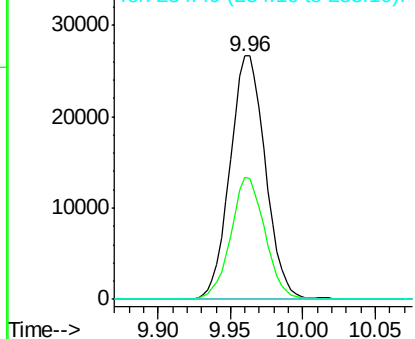
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

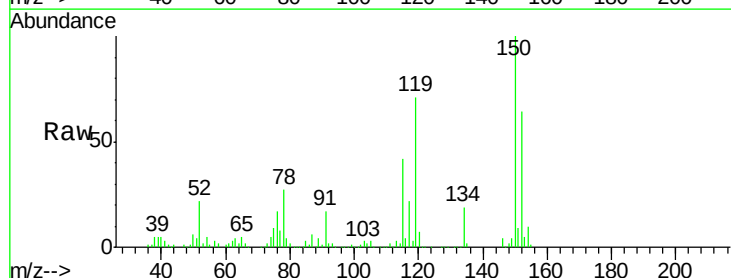
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

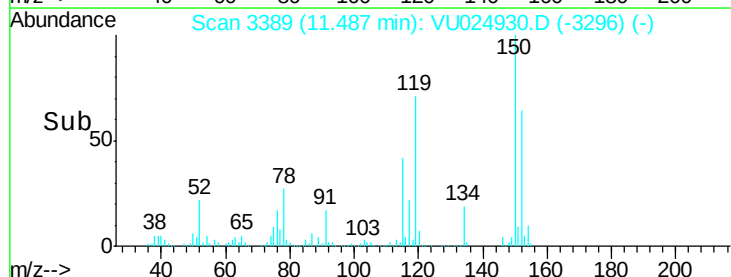
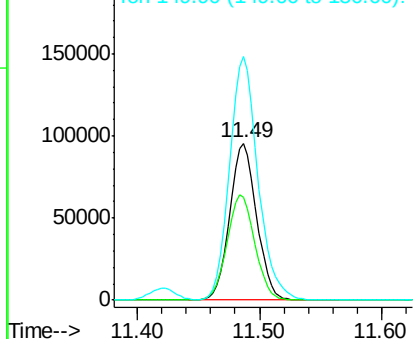
Lab File: VU024930.D

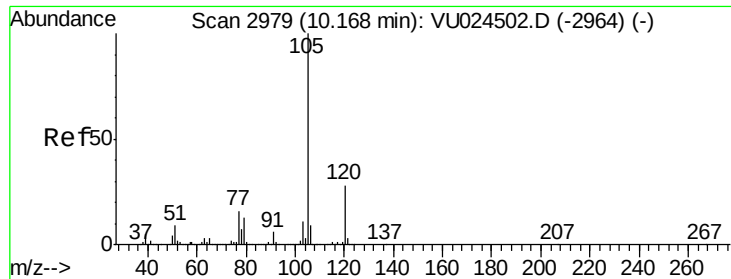
Acq: 26 Jun 2018 19:31

Tgt Ion:	152	Resp:	146733
Ion Ratio	Lower	Upper	
152	100		
115	69.6	43.0	129.0
150	164.3	0.0	354.0



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: 22.65 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 105 Resp: 255115

Ion Ratio Lower Upper

105 100

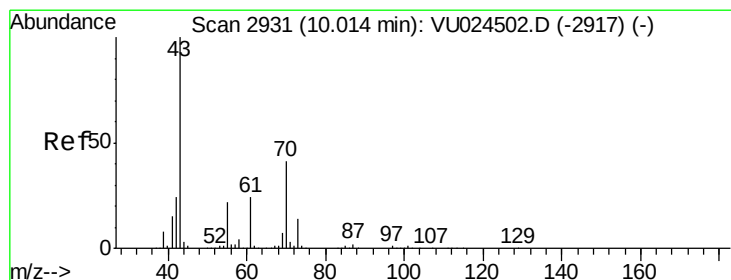
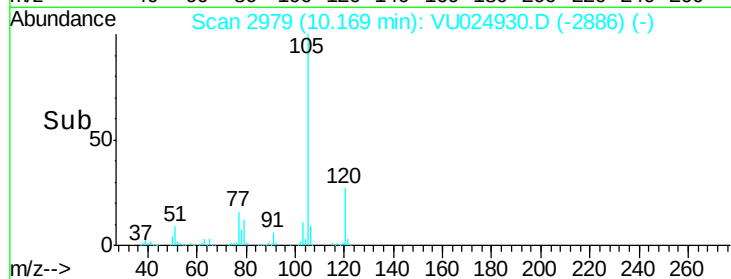
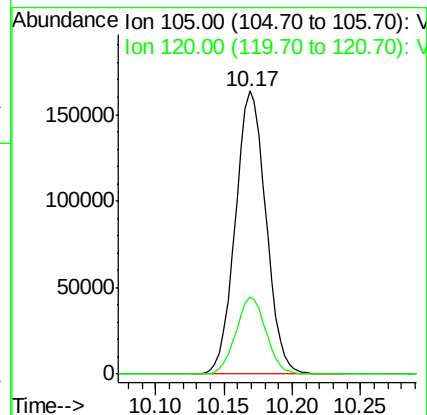
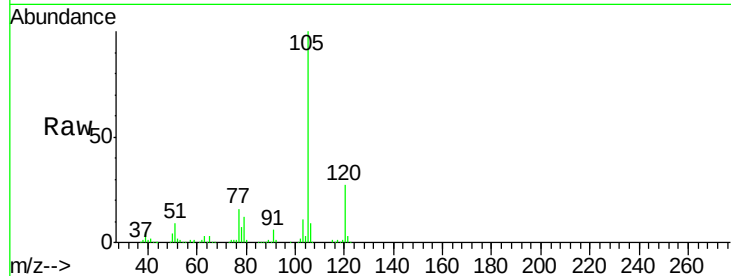
120 26.8 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.14 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion: 43 Resp: 107936

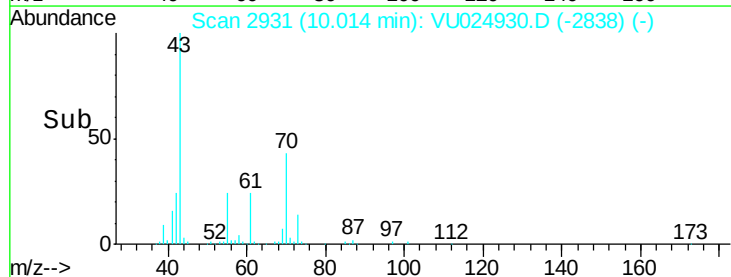
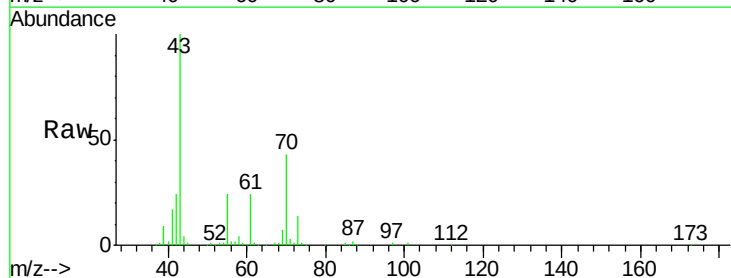
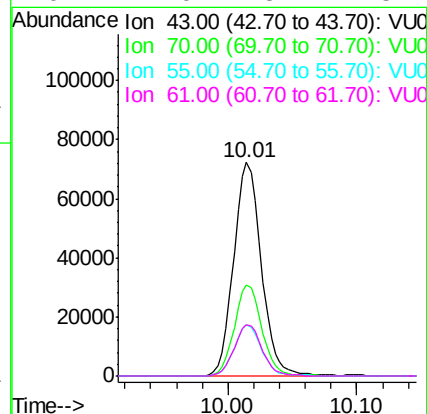
Ion Ratio Lower Upper

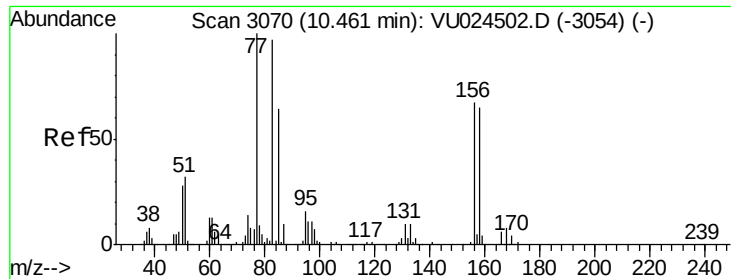
43 100

70 42.4 32.2 48.4

55 23.8 20.5 30.7

61 24.0 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.12 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 83 Resp: 87299

Ion Ratio Lower Upper

83 100

131 10.9 4.7 14.1

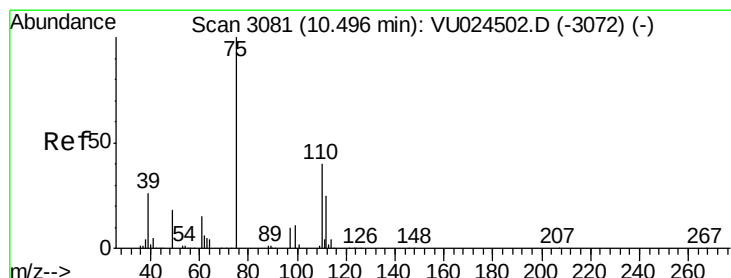
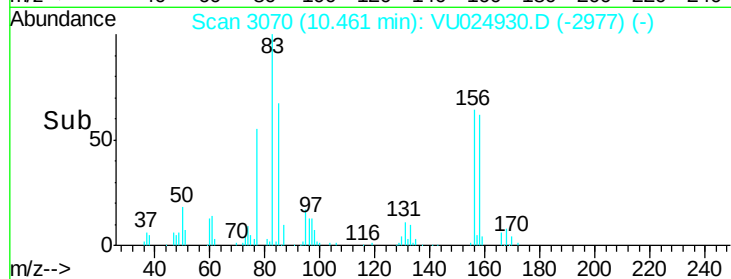
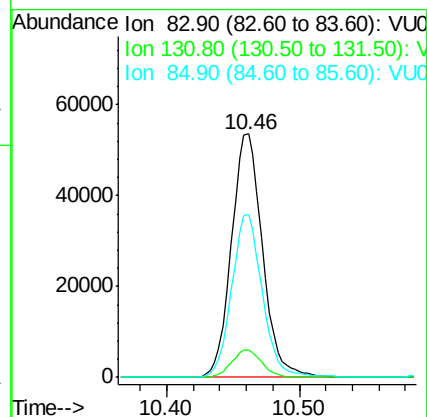
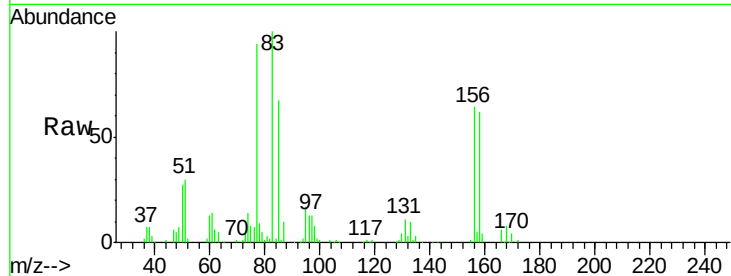
85 66.0 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 23.23 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024930.D

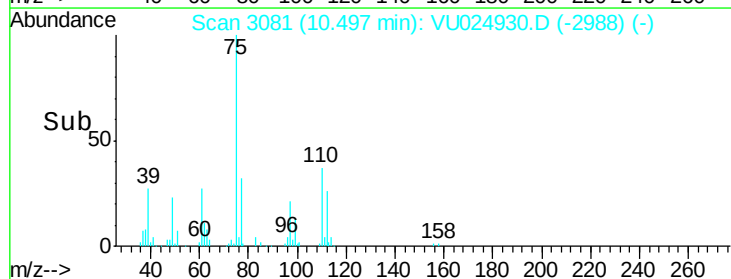
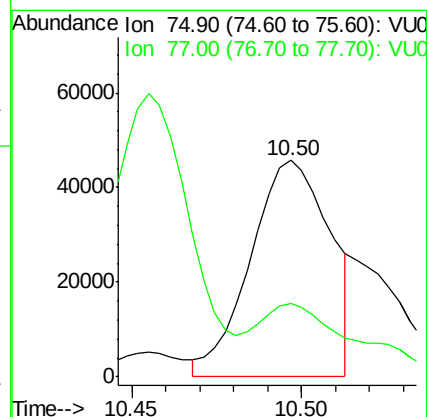
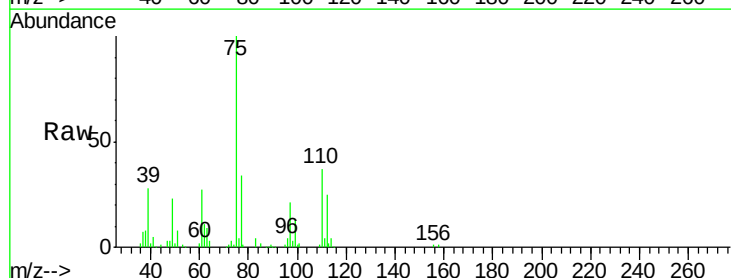
Acq: 26 Jun 2018 19:31

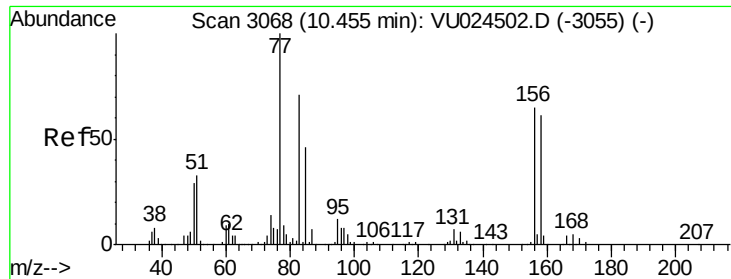
Tgt Ion: 75 Resp: 75033

Ion Ratio Lower Upper

75 100

77 43.2 20.9 62.7





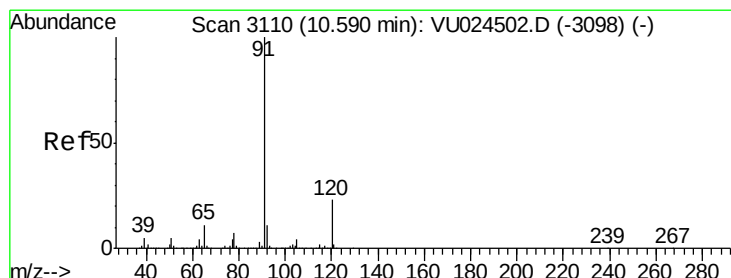
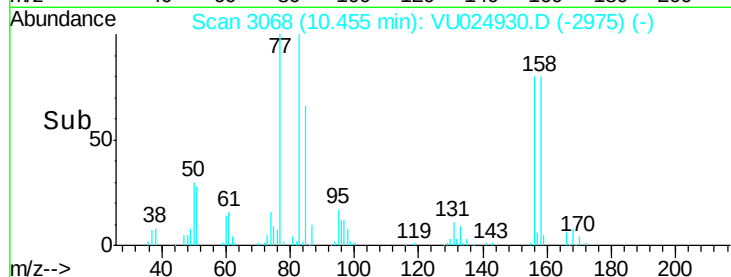
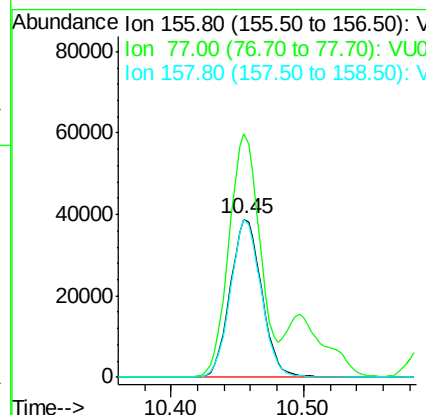
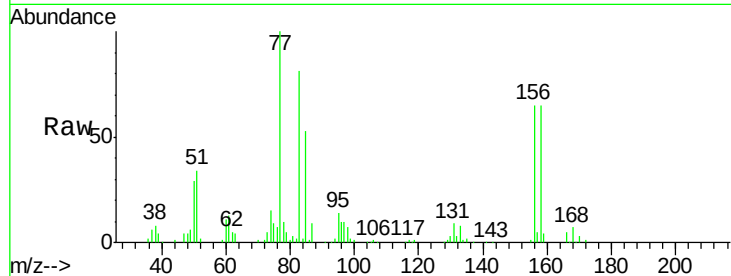
#77
Bromobenzene
Concen: 22.37 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.9	80.5	241.3
158	97.0	48.2	144.6

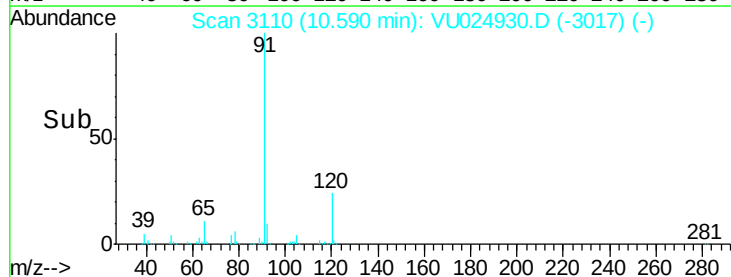
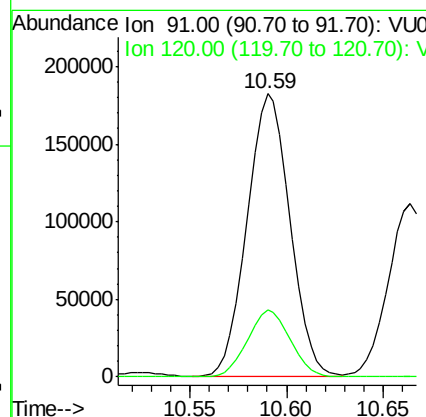
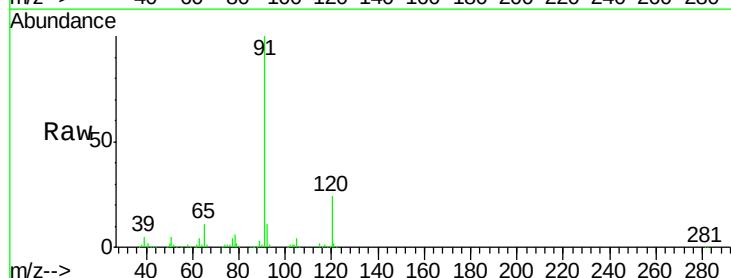
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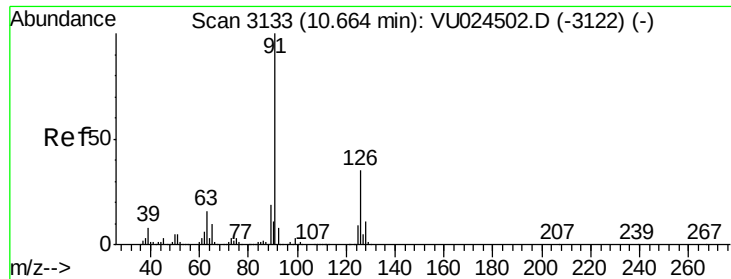
apatel
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#78
n-propylbenzene
Concen: 21.15 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 22.13 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 91 Resp: 173217

Ion Ratio Lower Upper

91 100

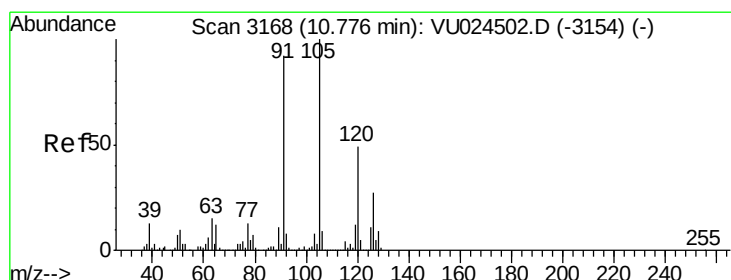
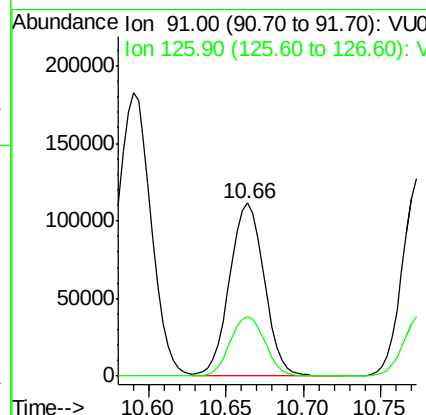
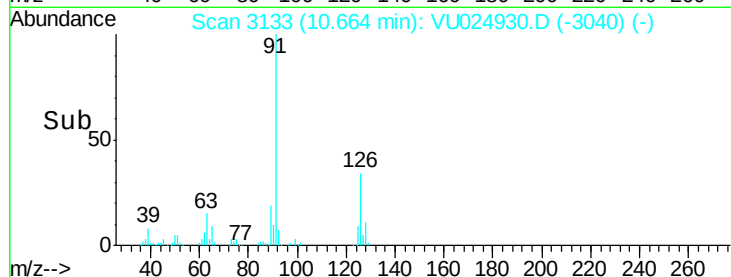
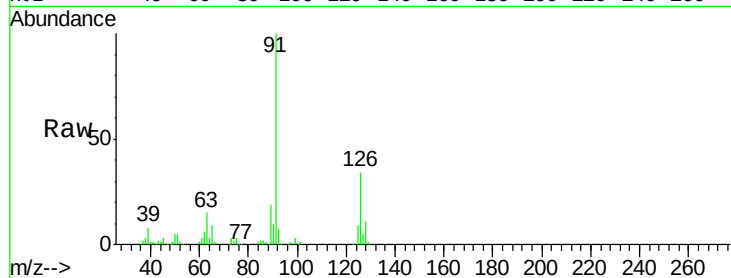
126 34.9 16.9 50.7

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#80

1,3,5-Trimethylbenzene

Concen: 22.18 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU024930.D

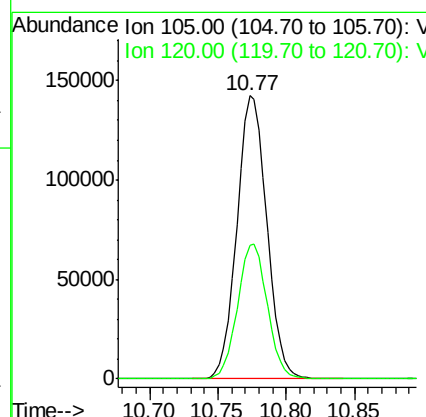
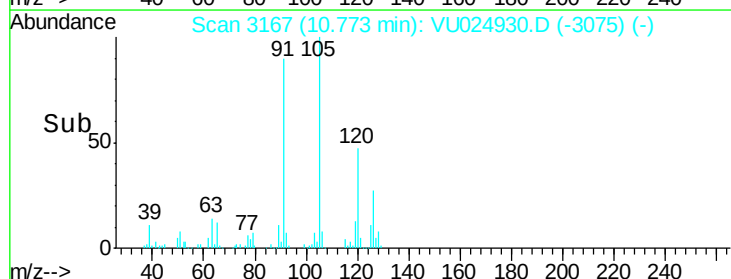
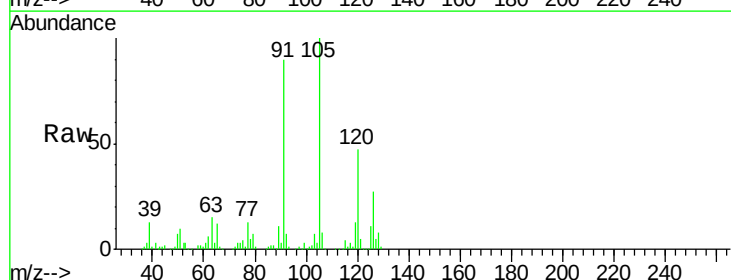
Acq: 26 Jun 2018 19:31

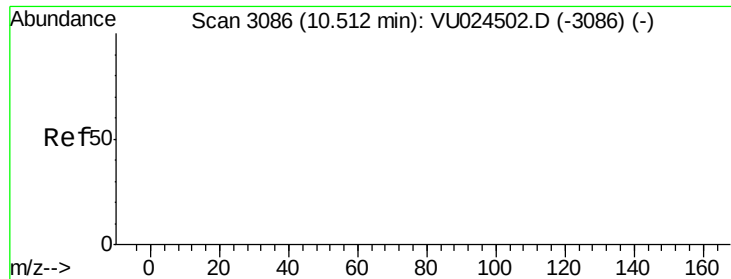
Tgt Ion: 105 Resp: 216577

Ion Ratio Lower Upper

105 100

120 47.4 24.1 72.2





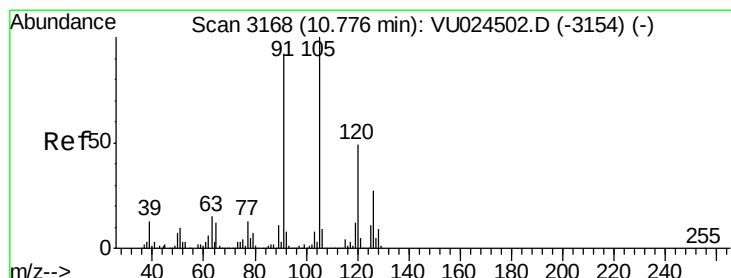
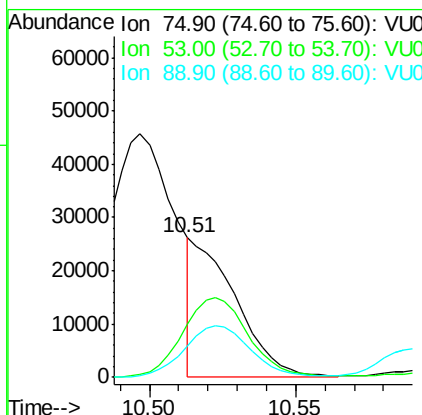
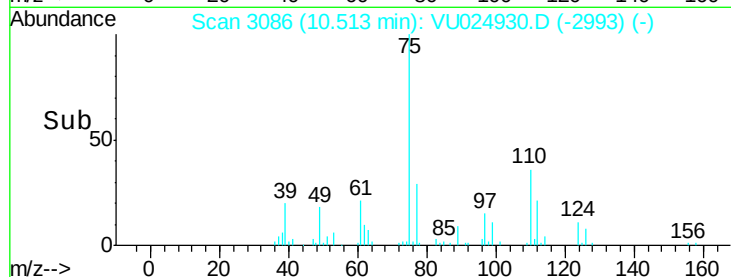
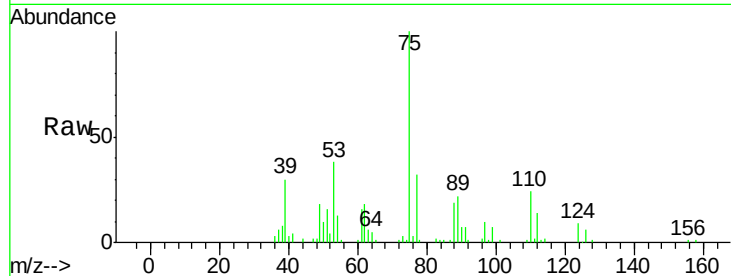
#81
trans-1,4-Dichloro-2-butene
Concen: 19.35 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBS01

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

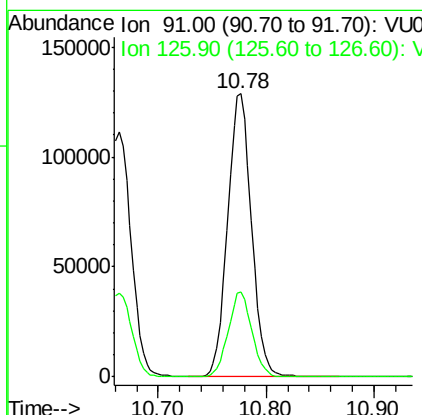
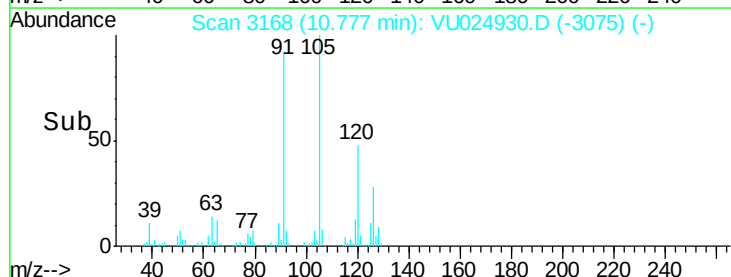
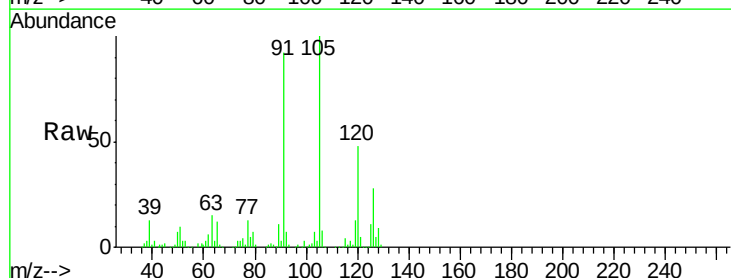
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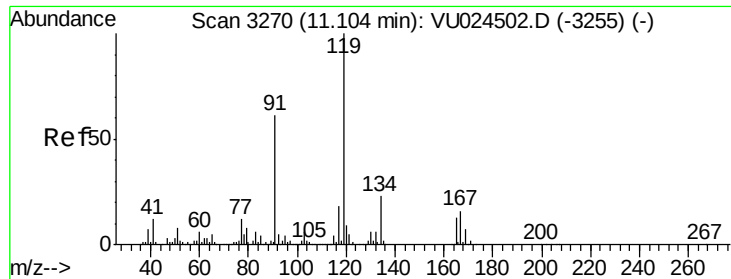
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#82
4-Chlorotoluene
Concen: 21.70 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024930.D
Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	14.9	44.9





#83

tert-Butylbenzene

Concen: 23.42 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

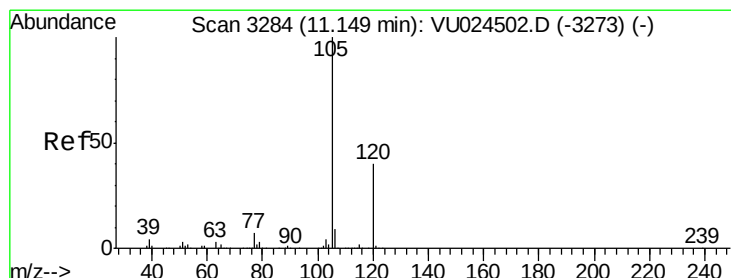
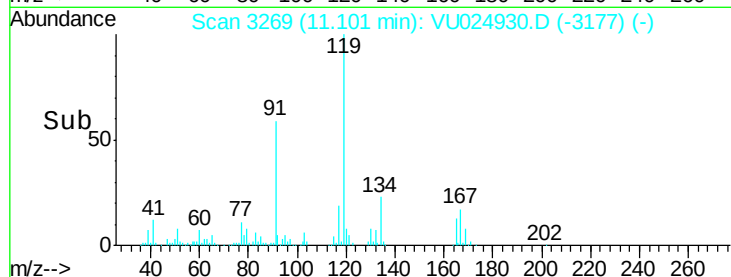
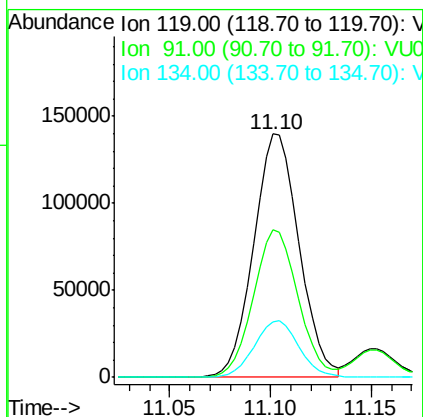
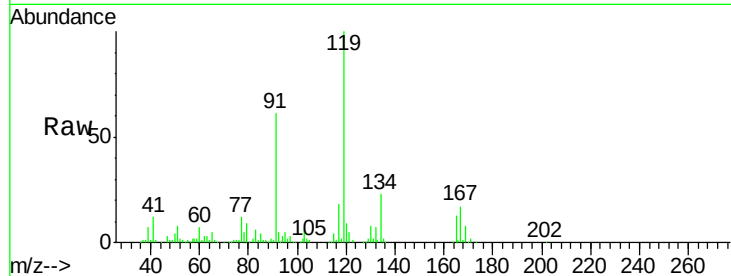
ClientSampleId :

VU0627MBS01

Tot Ion:	119	Resp:	219980
Ion Ratio	Lower	Upper	
119	100		
91	59.4	29.7	89.1
134	22.8	11.6	34.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.03 ug/l

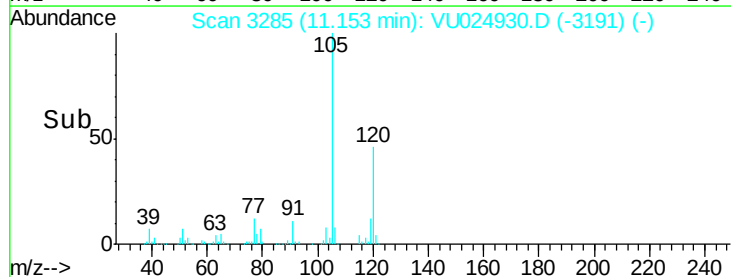
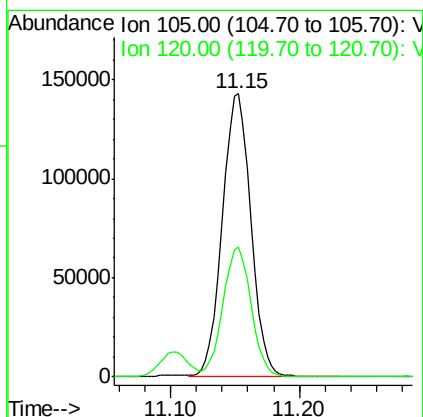
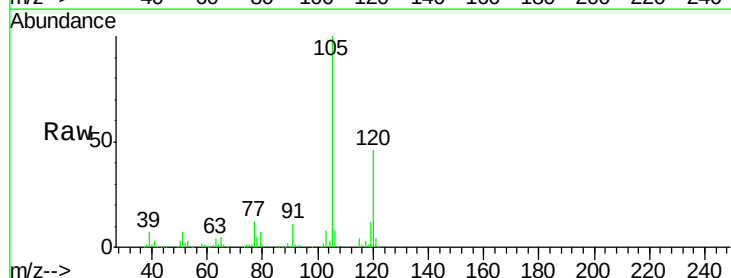
RT: 11.15 min Scan# 3285

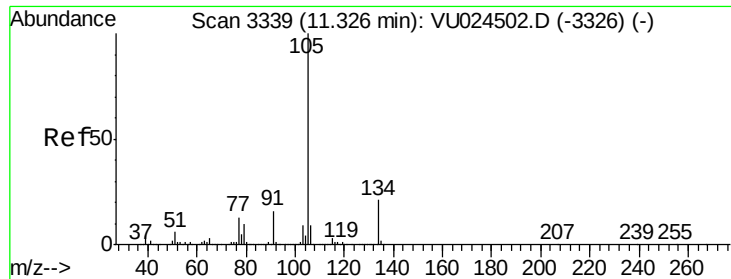
Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	105	Resp:	219203
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 22.13 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion:105 Resp: 260171

Ion Ratio Lower Upper

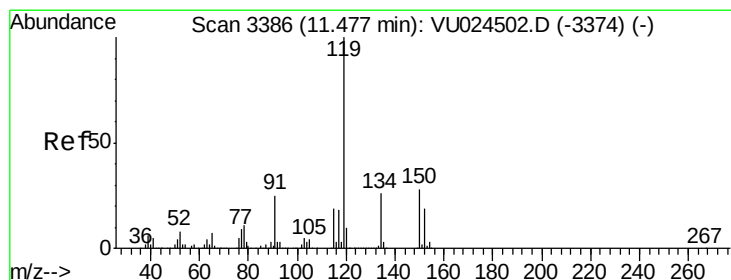
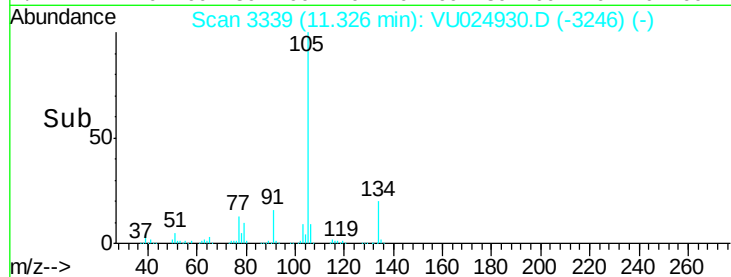
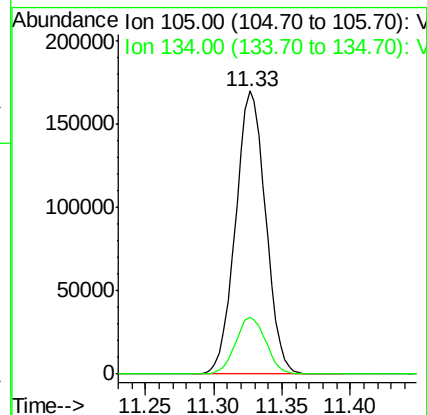
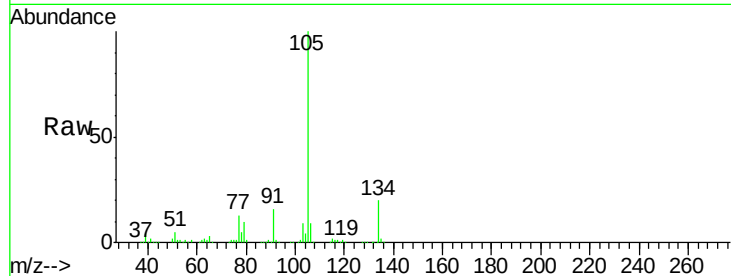
105 100

134 20.3 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.65 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

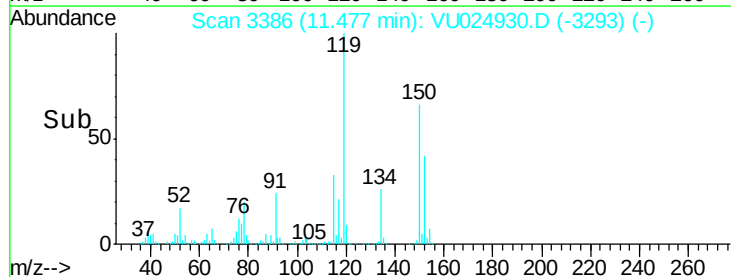
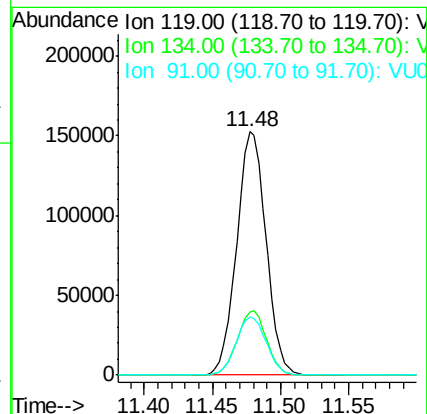
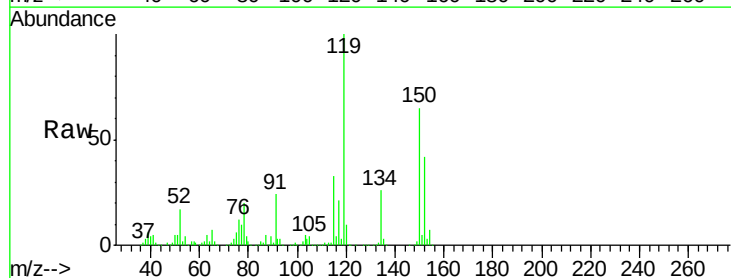
Tgt Ion:119 Resp: 227971

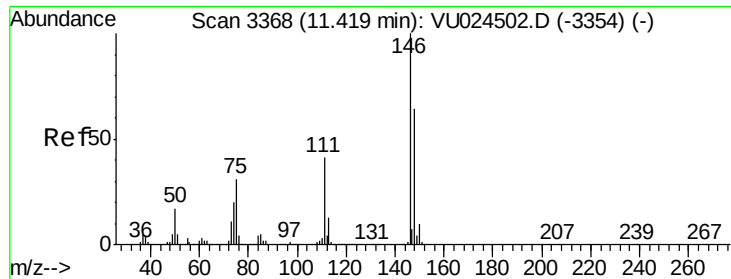
Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

91 24.7 12.0 36.1





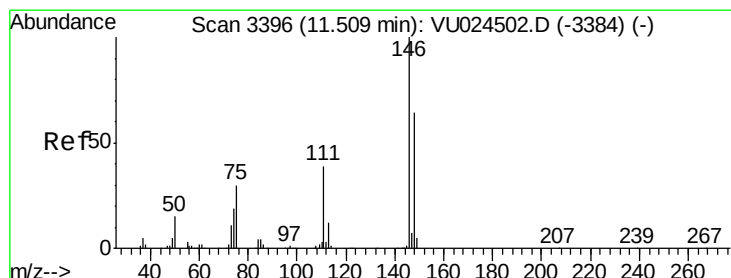
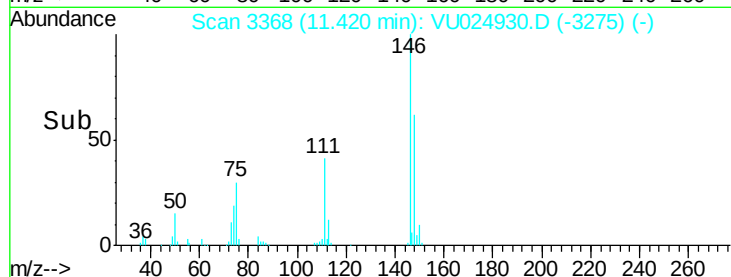
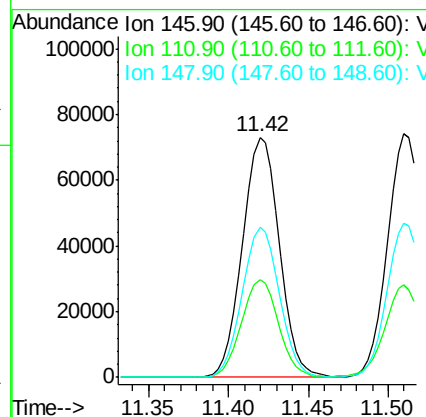
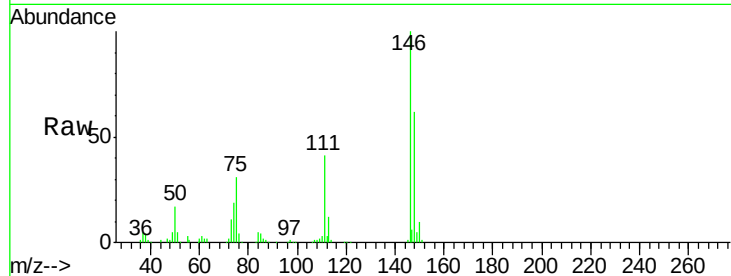
#87
 1,3-Dichlorobenzene
 Concen: 21.78 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.0	60.0
148	62.9	32.1	96.5

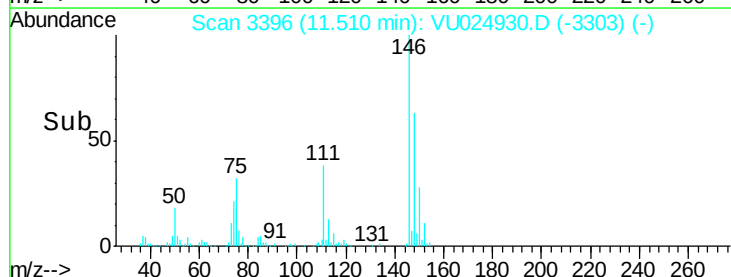
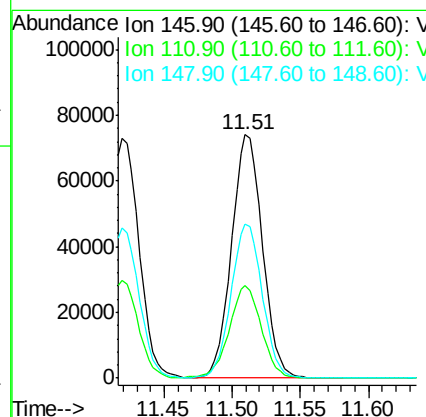
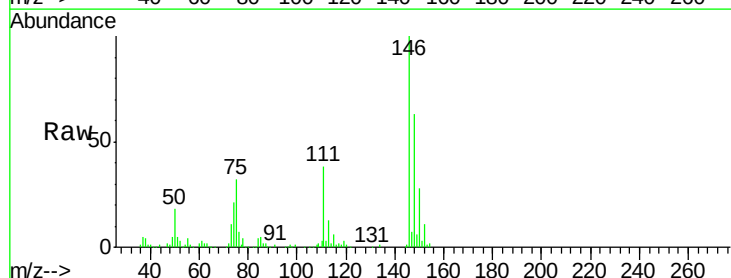
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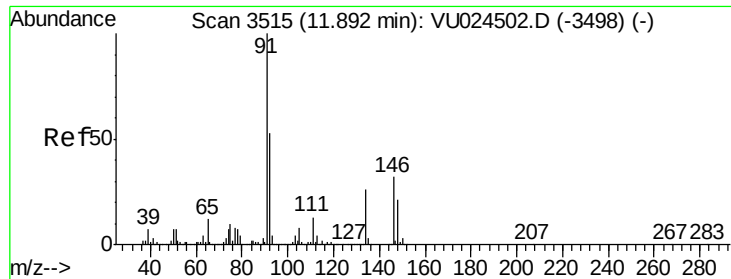
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.02 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.5	58.5
148	64.1	32.4	97.0





#89

n-Butylbenzene

Concen: 19.32 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBS01

Tot Ion: 91 Resp: 180573

Ion Ratio Lower Upper

91 100

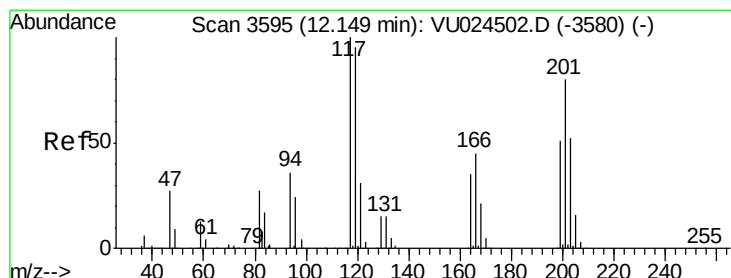
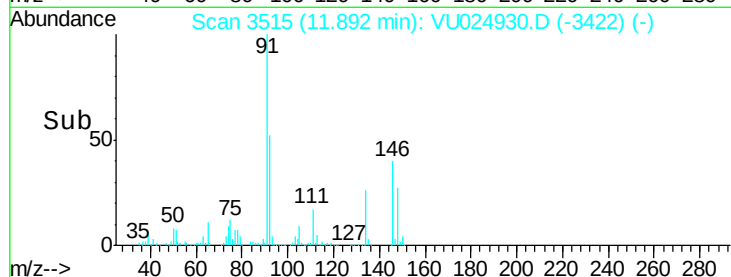
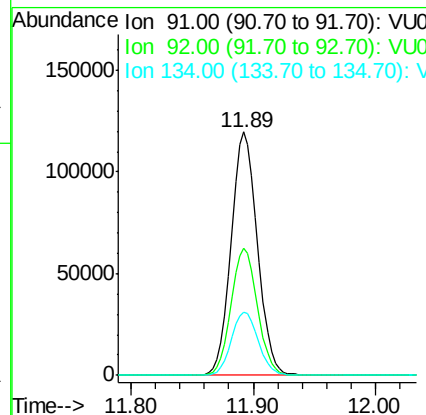
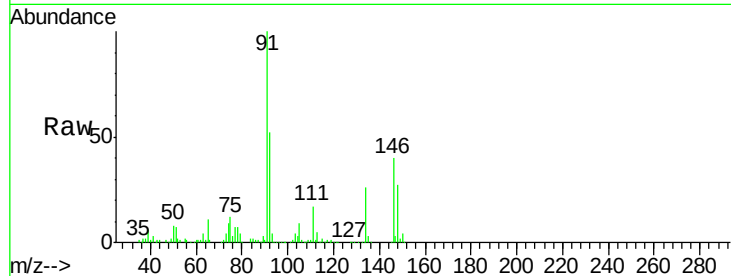
92 52.5 25.6 76.8

134 26.7 12.3 36.8

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#90

Hexachloroethane

Concen: 19.42 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU024930.D

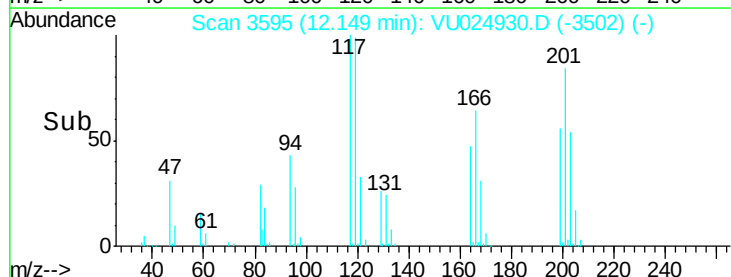
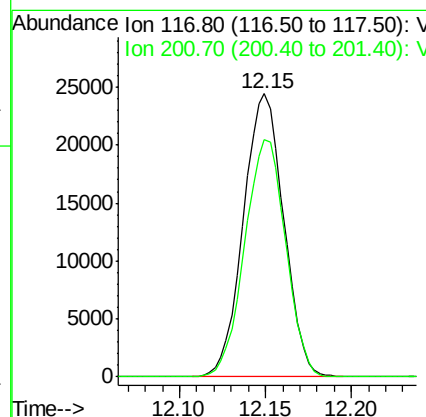
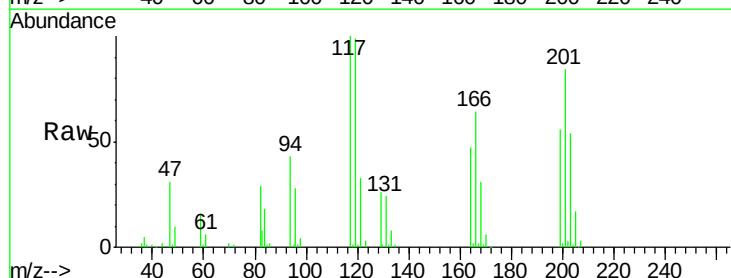
Acq: 26 Jun 2018 19:31

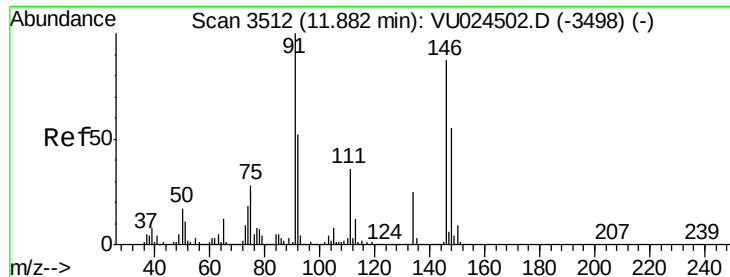
Tgt Ion: 117 Resp: 39891

Ion Ratio Lower Upper

117 100

201 84.8 41.1 123.3





#91

1,2-Dichlorobenzene

Concen: 22.65 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

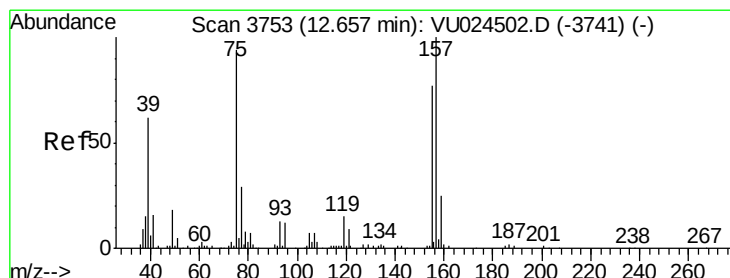
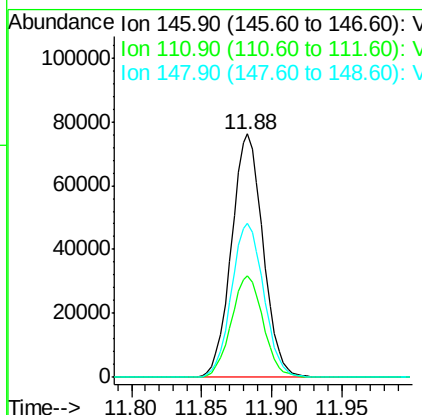
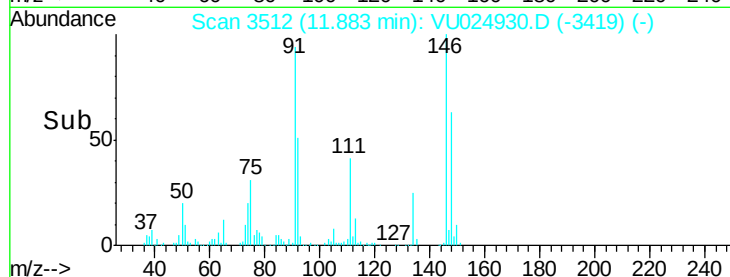
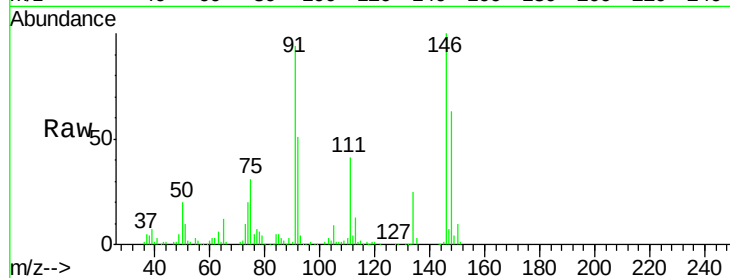
ClientSampled :

VU0627MBS01

Tot Ion:	146	Resp:	119549
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.5	61.6
148	64.8	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.66 ug/l

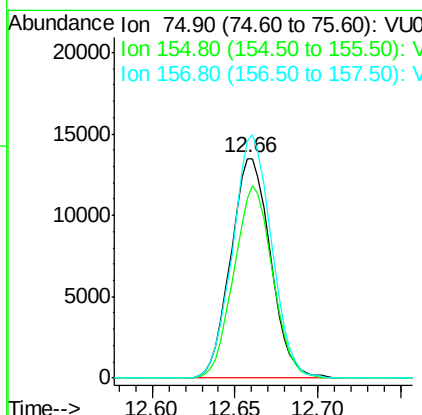
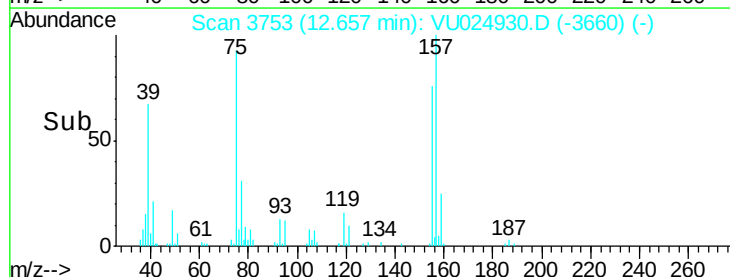
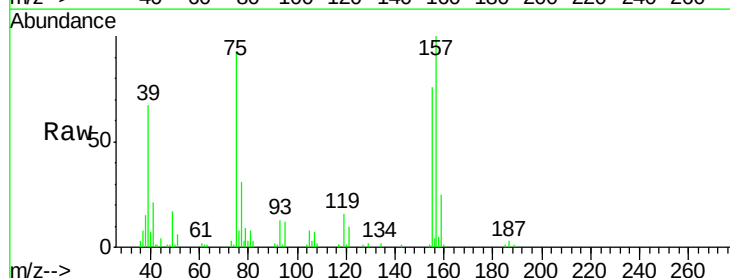
RT: 12.66 min Scan# 3753

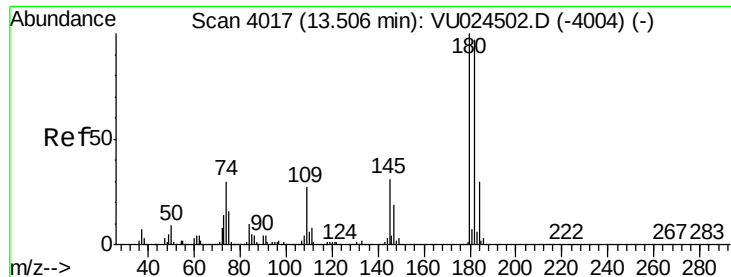
Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	75	Resp:	22566
Ion Ratio	Lower	Upper	
75	100		
155	84.6	40.4	121.2
157	108.2	52.3	156.8





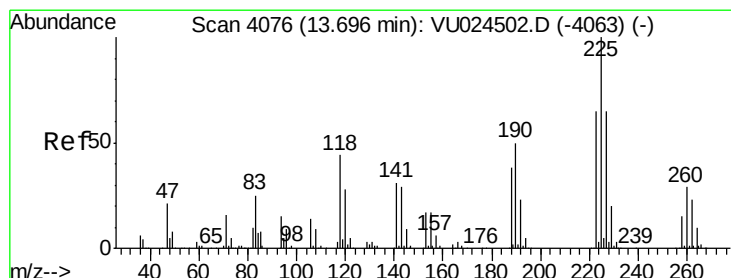
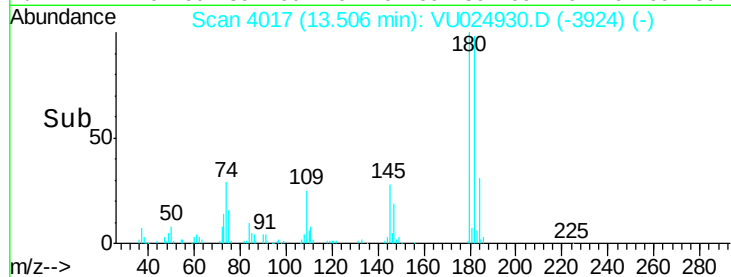
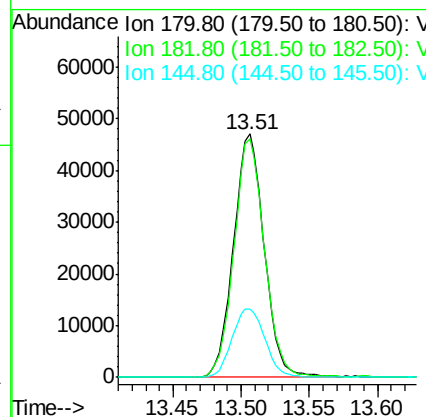
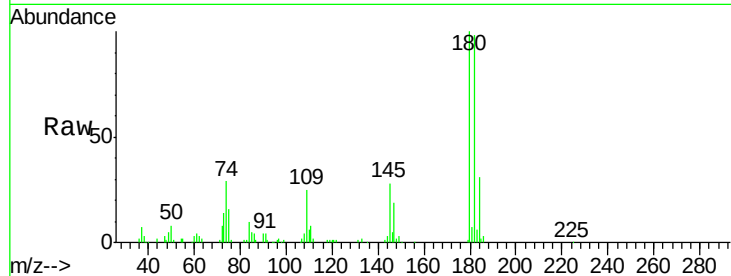
#93
 1,2,4-Trichlorobenzene
 Concen: 22.54 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	48.0	144.2
145	30.0	14.7	44.1

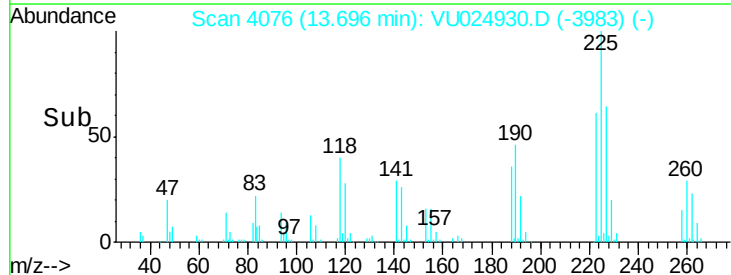
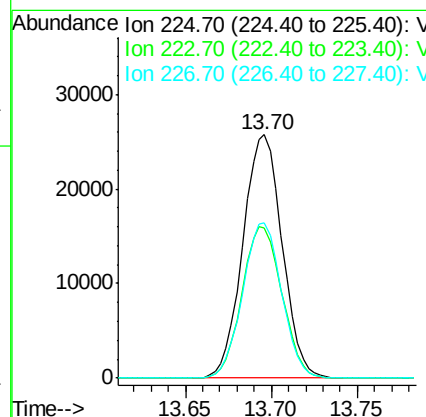
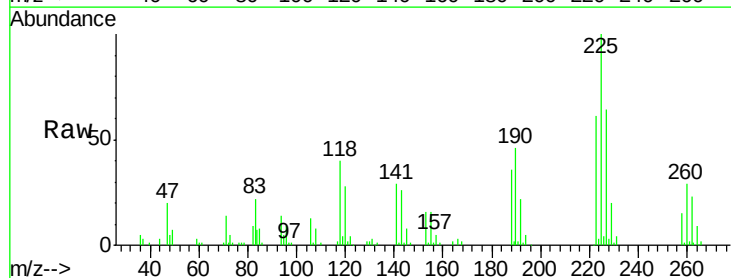
Manual Integrations
 APPROVED

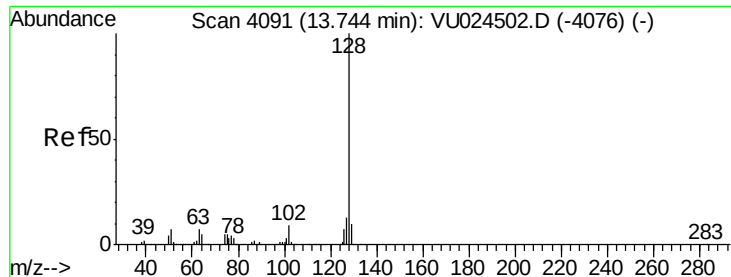
apatel
 6/28/2018 4:38:10 PM



#94
 Hexachlorobutadiene
 Concen: 22.22 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024930.D
 Acq: 26 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.8
227	63.4	31.8	95.4





#95

Naphthalene

Concen: 23.15 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Instrument :

MSVOA_U

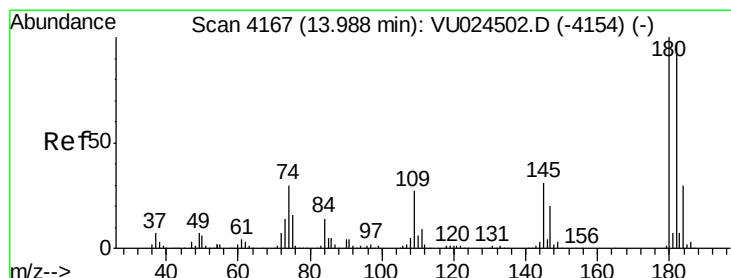
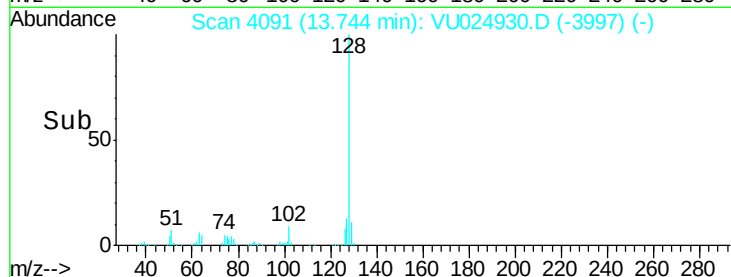
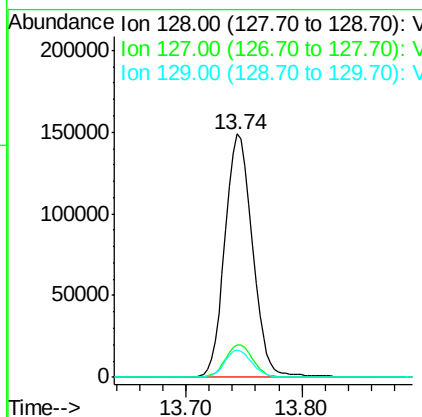
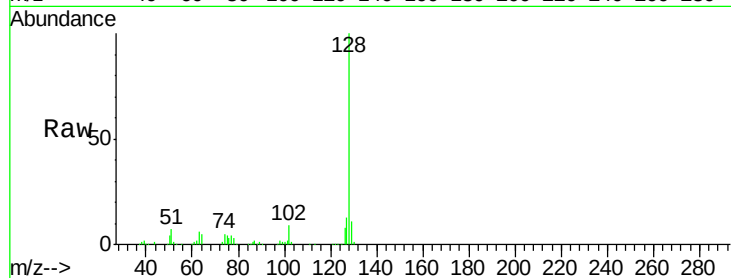
ClientSampleId :

VU0627MBS01

Tot Ion:	128	Resp:	245779
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

apatel
6/28/2018 4:38:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 23.98 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024930.D

Acq: 26 Jun 2018 19:31

Tgt Ion:	180	Resp:	77860
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	32.2	15.4	46.1

