

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024931.D
 Acq On : 26 Jun 2018 19:55
 Operator : MD/SY
 Sample : VU0627MBSD01
 Misc : 5.00µl/10ml/100µl/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Manual Integrations
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 6/28/2018 4:38:14 PM

Quant Time: Jun 27 04:33:10 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	174076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	264494	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	245201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	136701	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	4.89	113	108088	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.57	98	369427	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	10.31	95	147116	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	38682	17.75	ug/l	98
3) Chloromethane	1.33	50	40753	18.31	ug/l	96
4) Vinyl Chloride	1.40	62	42742	18.62	ug/l	99
5) Bromomethane	1.62	94	27841	25.09	ug/l	98
6) Chloroethane	1.70	64	28365	21.51	ug/l	100
7) Trichlorofluoromethane	1.89	101	70028	19.99	ug/l	100
8) Diethyl Ether	2.10	74	26928	21.51	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41963	19.31	ug/l	96
10) Methyl Iodide	2.41	142	39747	24.61	ug/l	98
11) Tert butyl alcohol	2.82	59	74207	107.37	ug/l	98
12) 1,1-Dichloroethene	2.29	96	38427	19.39	ug/l	94
13) Acrolein	2.19	56	16263	44.81	ug/l	96
14) Allyl chloride	2.60	41	68100	18.50	ug/l	99
15) Acrylonitrile	2.94	53	142278	105.80	ug/l	99
16) Acetone	2.32	43	159670	104.57	ug/l	100
17) Carbon Disulfide	2.48	76	98742	15.56	ug/l	98
18) Methyl Acetate	2.62	43	77676	23.73	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	157231	21.10	ug/l	96
20) Methylene Chloride	2.70	84	49501	20.66	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	41668	19.09	ug/l	94
22) Diisopropyl ether	3.57	45	148174	20.31	ug/l	95
23) Vinyl Acetate	3.53	43	643096	98.40	ug/l	100
24) 1,1-Dichloroethane	3.45	63	84611	20.16	ug/l	99
25) 2-Butanone	4.26	43	219366	106.96	ug/l	99
26) 2,2-Dichloropropane	4.23	77	79169	19.87	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	51208	20.40	ug/l	99
28) Bromochloromethane	4.55	49	38482	20.82	ug/l	89
29) Tetrahydrofuran	4.63	42	132732	104.50	ug/l	97
30) Chloroform	4.68	83	88511	20.84	ug/l	100
31) Cyclohexane	5.00	56	75103	18.92	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	80556	20.51	ug/l	96
36) 1,1-Dichloropropene	5.14	75	59937	19.28	ug/l	95
37) Ethyl Acetate	4.38	43	76156	22.48	ug/l	96
38) Carbon Tetrachloride	5.14	117	69889	20.45	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	73564	18.97	ug/l	95
40) Benzene	5.39	78	181985	20.55	ug/l	98
41) Methacrylonitrile	4.54	41	41863	22.92	ug/l	97
42) 1,2-Dichloroethane	5.41	62	74796	22.18	ug/l	99
43) Isopropyl Acetate	5.55	43	121094	20.68	ug/l	99
44) Trichloroethene	6.19	130	50144	19.89	ug/l	98
45) 1,2-Dichloropropane	6.44	63	50094	21.20	ug/l	99
46) Dibromomethane	6.56	93	36444	21.96	ug/l	96
47) Bromodichloromethane	6.76	83	69392	20.99	ug/l	96
48) Methyl methacrylate	6.62	41	61046	21.41	ug/l	97
49) 1,4-Dioxane	6.62	88	29055	521.07	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	406705	110.56	ug/l	99
52) Toluene	7.64	92	115926	20.35	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	72940	19.65	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	75424	19.07	ug/l	95
55) 1,1,2-Trichloroethane	8.07	97	49416	21.34	ug/l	99
56) Ethyl methacrylate	8.02	69	80701	20.82	ug/l	98
57) 1,3-Dichloropropane	8.25	76	83517	21.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	32647	21.98	ug/l	96
59) 2-Hexanone	8.36	43	327638	109.09	ug/l	99
60) Dibromochloromethane	8.48	129	55499	19.22	ug/l	100
61) 1,2-Dibromoethane	8.59	107	54341	21.08	ug/l	99
64) Tetrachloroethene	8.23	164	47311	20.30	ug/l	95
65) Chlorobenzene	9.12	112	132207	21.11	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51390	21.59	ug/l	97
67) Ethyl Benzene	9.25	91	232904	21.21	ug/l	99
68) m/p-Xylenes	9.38	106	179382	42.54	ug/l	99
69) o-Xylene	9.78	106	89382	21.42	ug/l	98
70) Styrene	9.80	104	141647	20.65	ug/l	99
71) Bromoform	9.96	173	42576	18.82	ug/l #	100
73) Isopropylbenzene	10.17	105	239295	21.64	ug/l	99
74) N-amyl acetate	10.01	43	106216	20.20	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	84026	22.68	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	72796m	22.96	ug/l	
77) Bromobenzene	10.45	156	61727	22.05	ug/l	95
78) n-propylbenzene	10.59	91	267388	20.53	ug/l	97
79) 2-Chlorotoluene	10.66	91	165978	21.61	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	204489	21.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	27204m	19.86	ug/l	
82) 4-Chlorotoluene	10.78	91	186866	20.90	ug/l	100
83) tert-Butylbenzene	11.10	119	209086	22.68	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	207826	21.28	ug/l	99
85) sec-Butylbenzene	11.33	105	244808	21.22	ug/l	99
86) p-Isopropyltoluene	11.48	119	216723	20.97	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	108662	21.01	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	109287	21.00	ug/l	99
89) n-Butylbenzene	11.89	91	173561	18.92	ug/l	98
90) Hexachloroethane	12.15	117	37895	18.80	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	114450	22.10	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22310	21.82	ug/l	97

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VU0627MBSD01

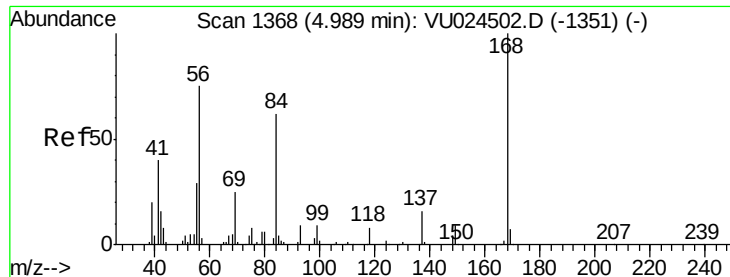
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72658	22.72	ug/l	98
94) Hexachlorobutadiene	13.70	225	39331	21.85	ug/l	99
95) Naphthalene	13.74	128	246639	23.66	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	76496	24.00	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion:168 Resp: 174076

Ion Ratio Lower Upper

168 100

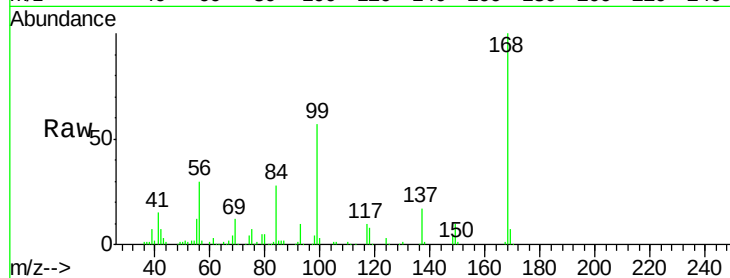
99 56.5 43.2 64.8

Manual Integrations

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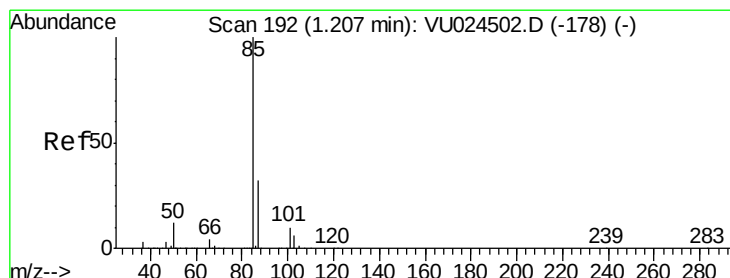
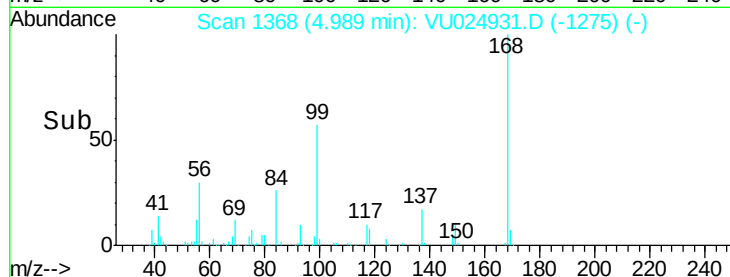
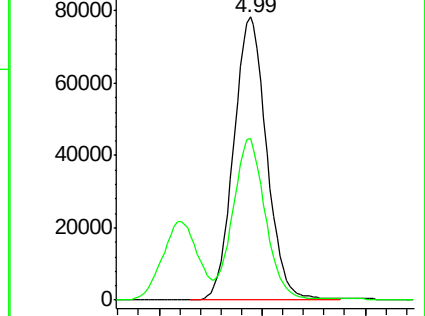
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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

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



#2

Dichlorodifluoromethane

Concen: 17.75 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024931.D

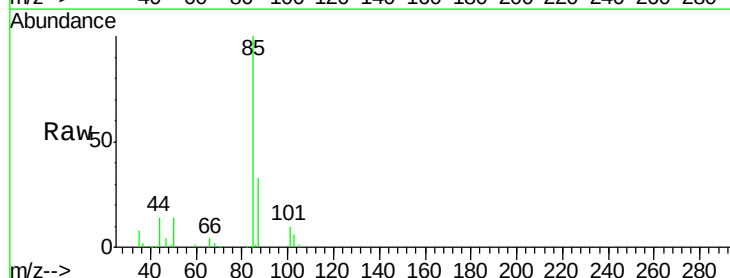
Acq: 26 Jun 2018 19:55

Tgt Ion: 85 Resp: 38682

Ion Ratio Lower Upper

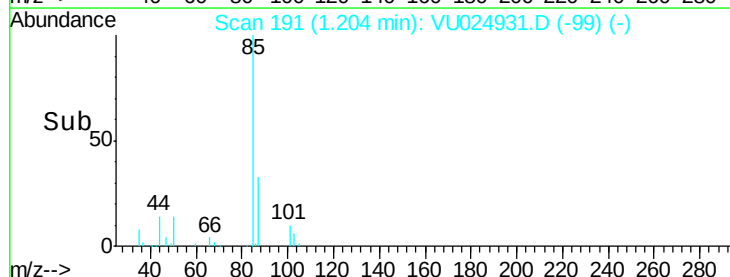
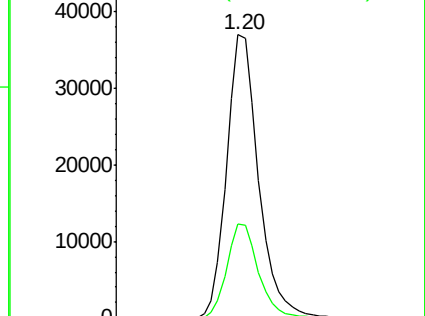
85 100

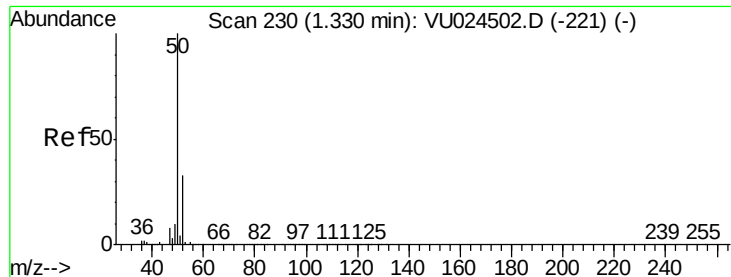
87 33.0 16.1 48.2



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: 18.31 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 50 Resp: 40753

Ion Ratio Lower Upper

50 100

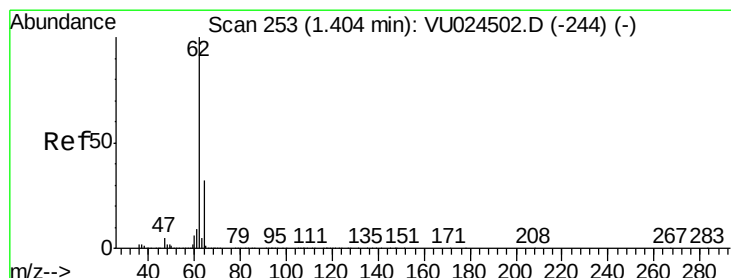
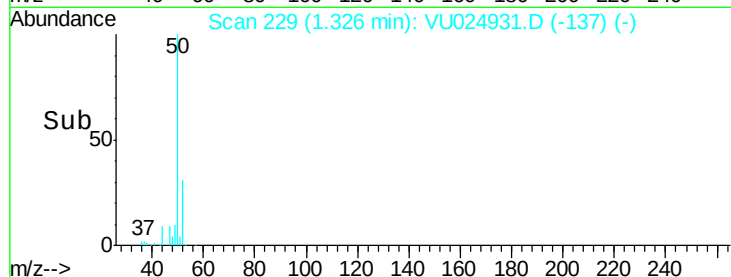
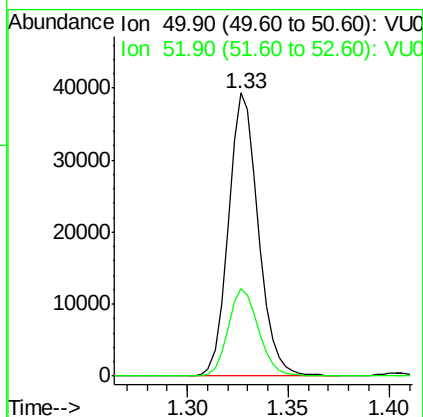
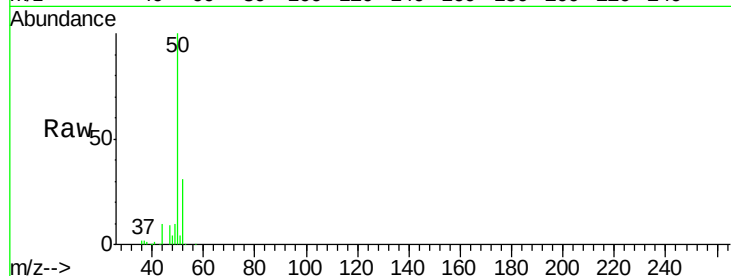
52 30.8 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.62 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024931.D

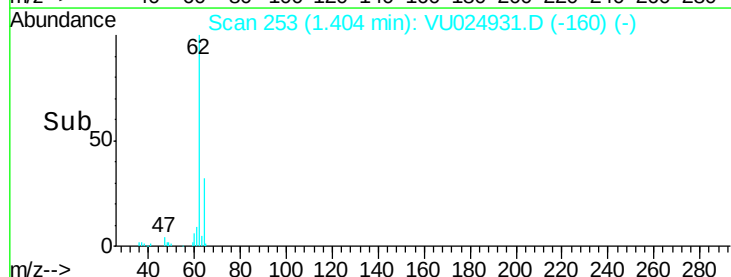
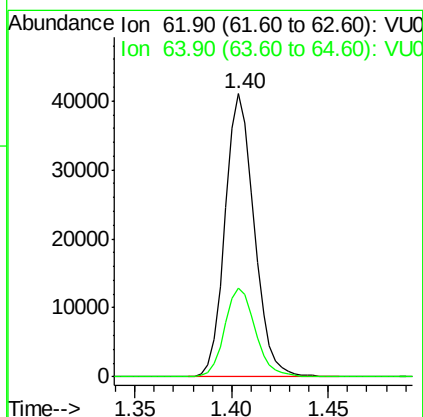
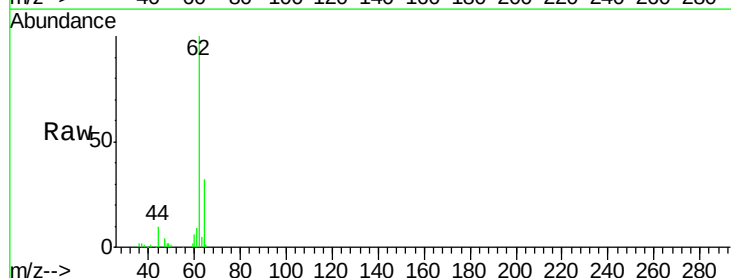
Acq: 26 Jun 2018 19:55

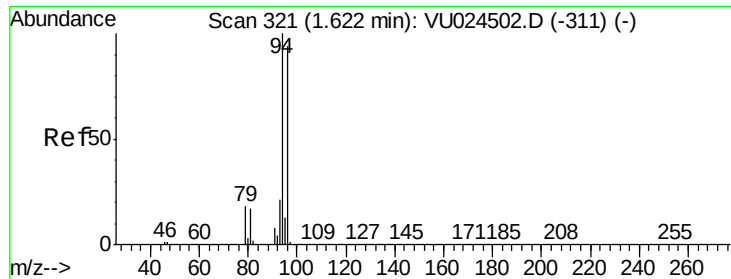
Tgt Ion: 62 Resp: 42742

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 25.09 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 94 Resp: 27841

Ion Ratio Lower Upper

94 100

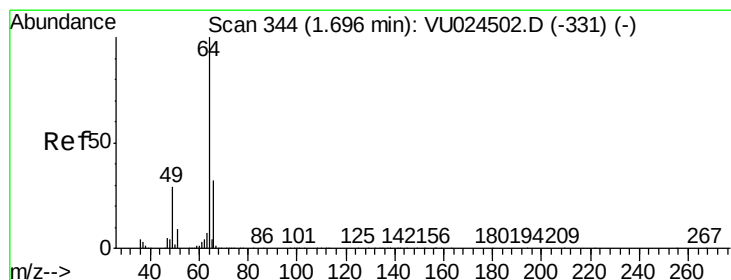
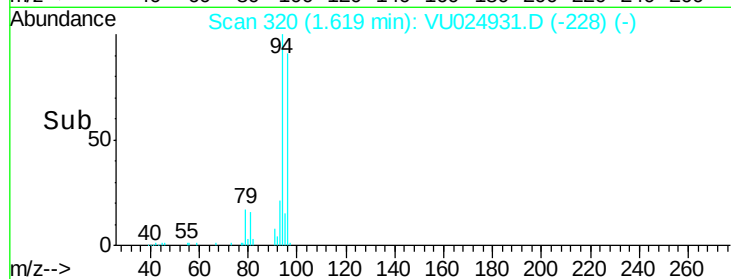
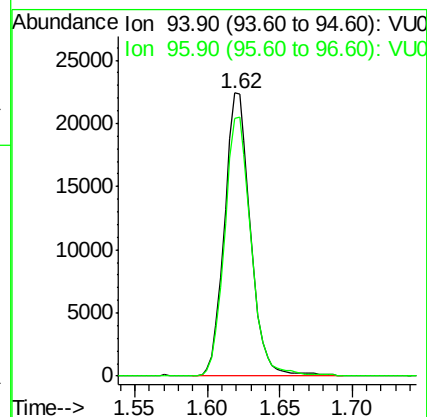
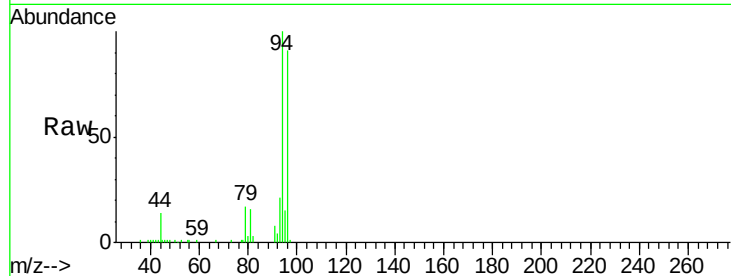
96 91.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 21.51 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024931.D

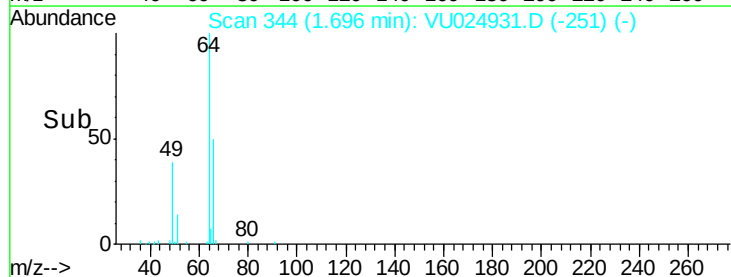
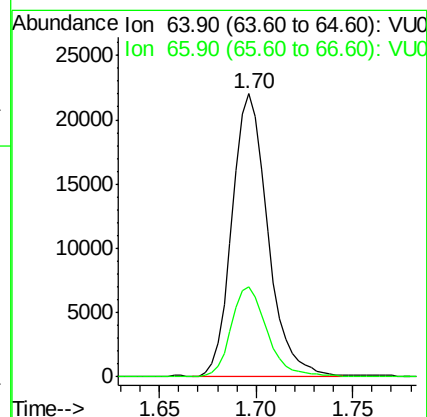
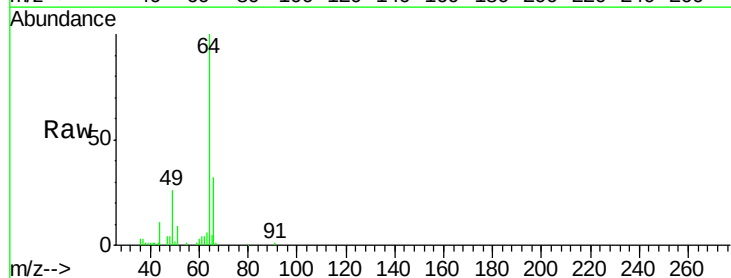
Acq: 26 Jun 2018 19:55

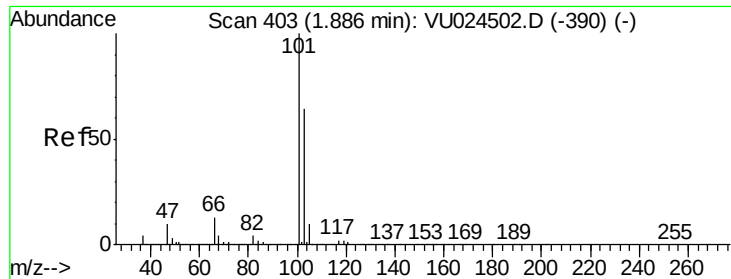
Tgt Ion: 64 Resp: 28365

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3





#7

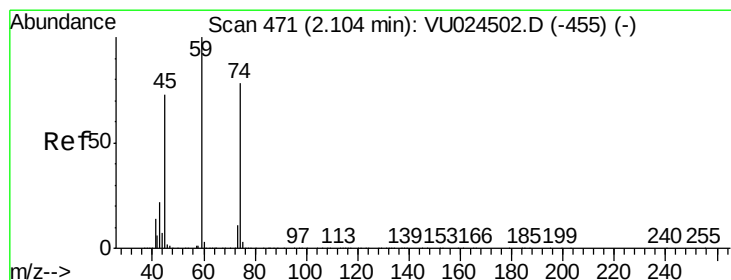
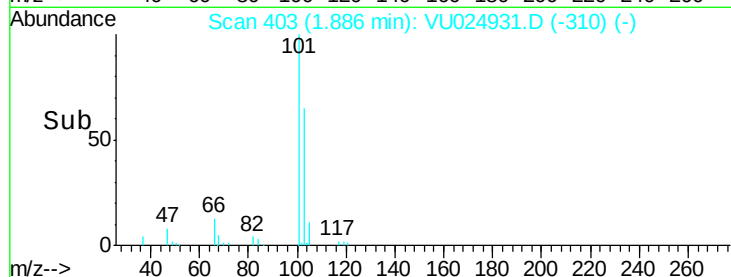
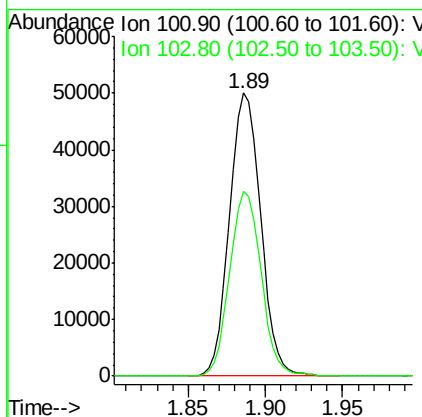
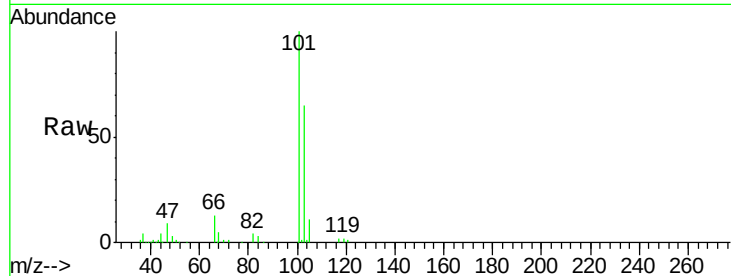
Trichlorofluoromethane
 Concen: 19.99 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.3	78.5

Manual Integrations
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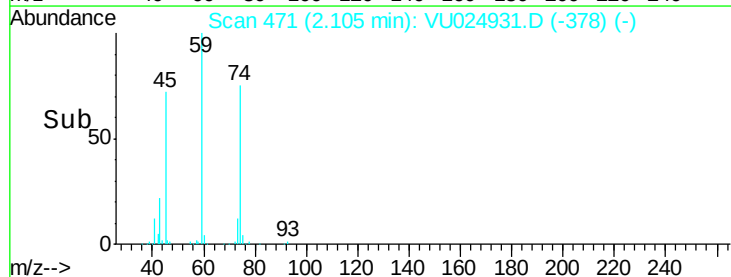
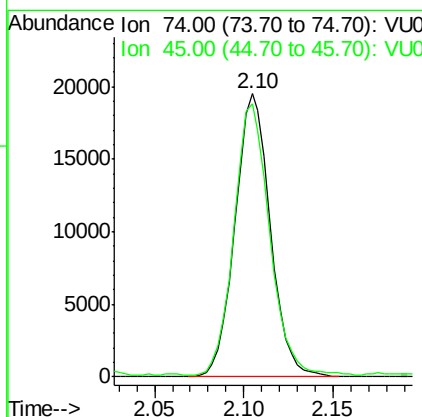
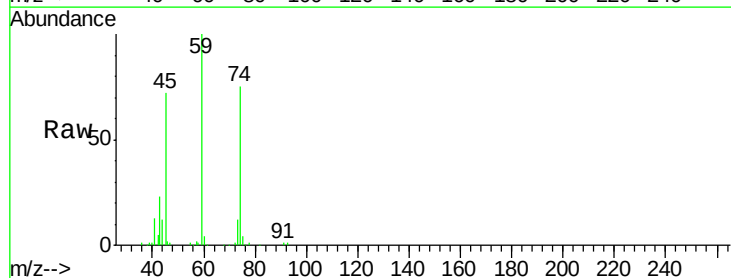
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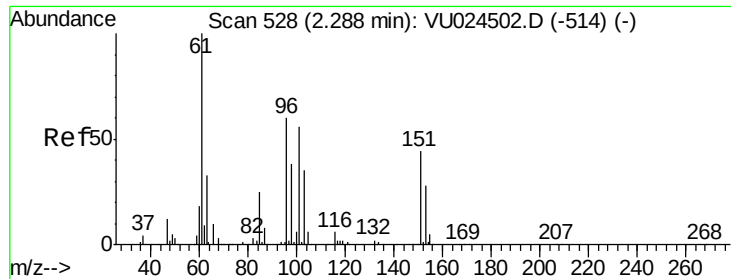


#8

Diethyl Ether
 Concen: 21.51 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.31 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

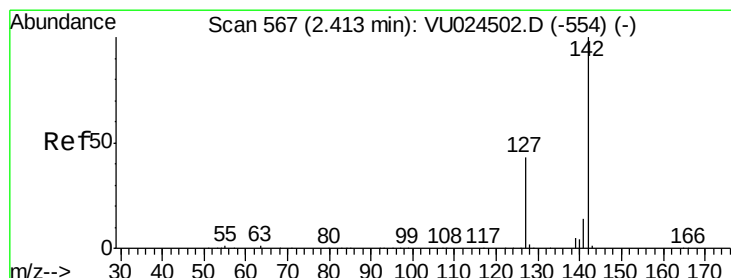
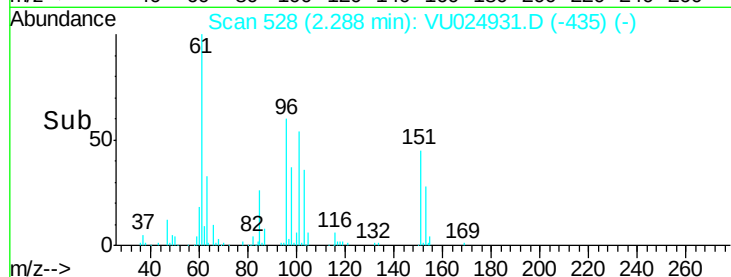
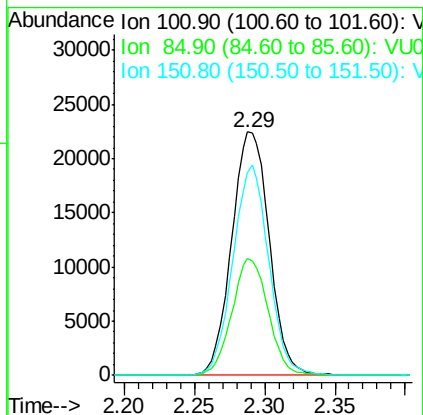
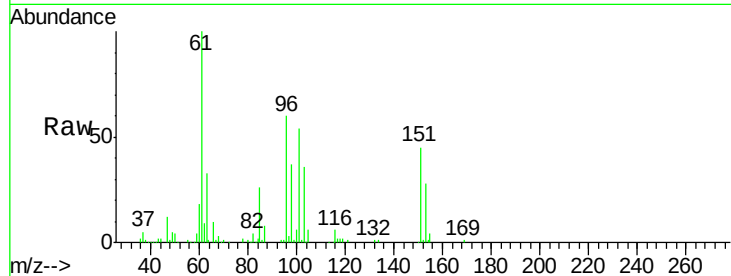
ClientSampleId :

VU0627MBSD01

Tot Ion:	101	Resp:	41963
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.0	54.0
151	82.1	62.3	93.5

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#10

Methyl Iodide

Concen: 24.61 ug/l

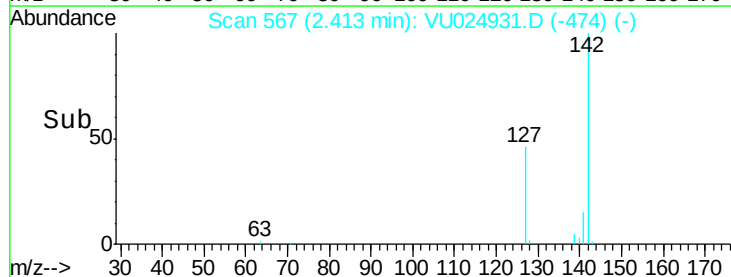
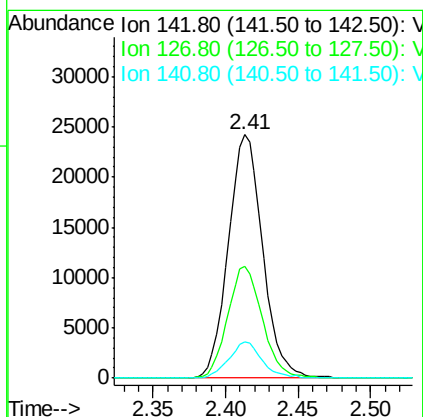
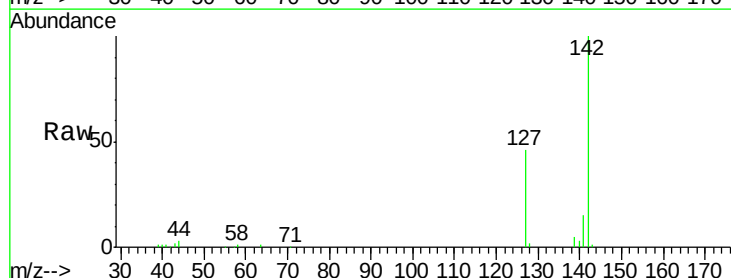
RT: 2.41 min Scan# 567

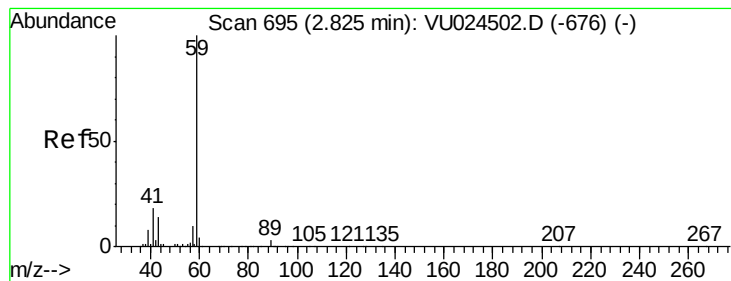
Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	142	Resp:	39747
Ion Ratio	Lower	Upper	
142	100		
127	46.1	35.6	53.4
141	14.4	11.7	17.5





#11

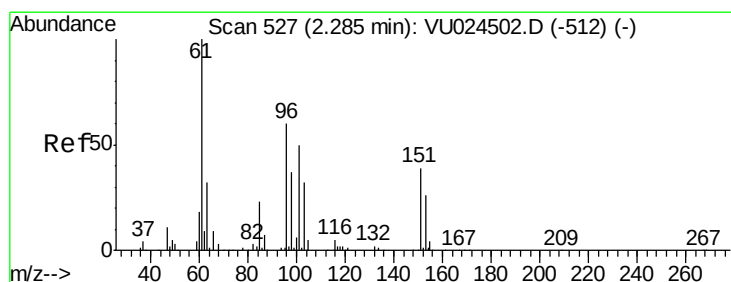
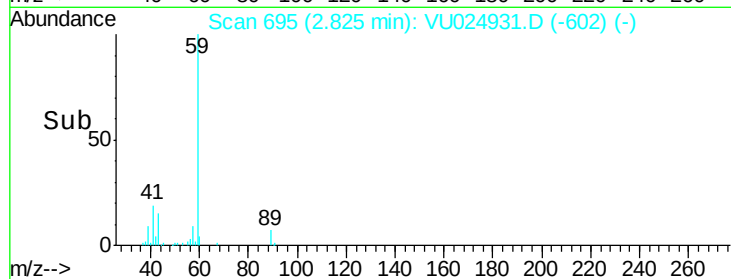
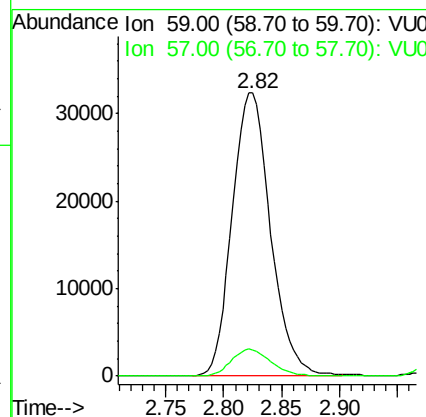
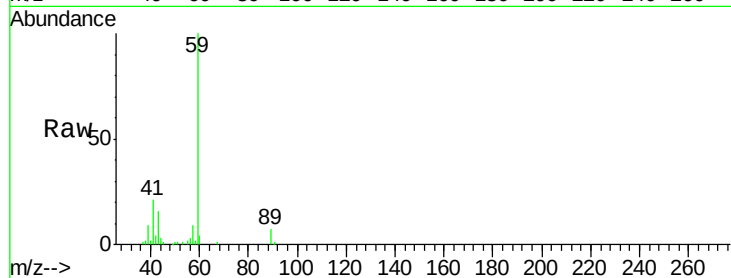
Tert butyl alcohol
 Concen: 107.37 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.5	12.7

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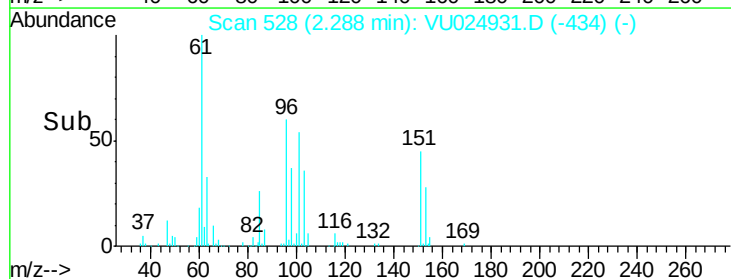
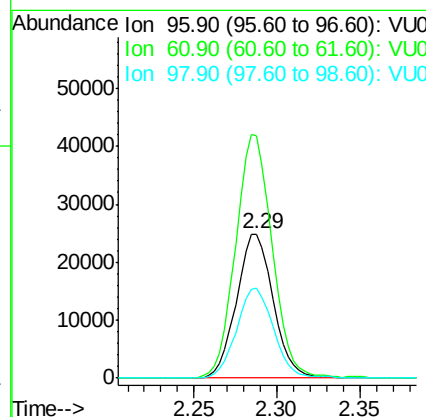
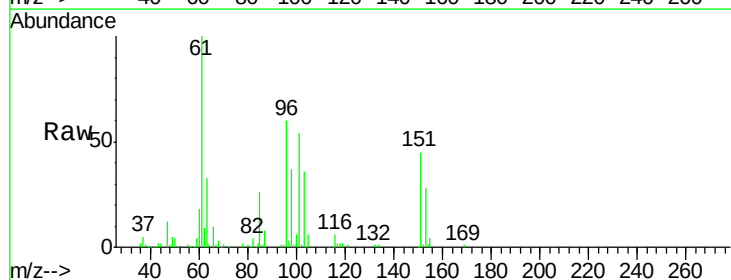
apatel
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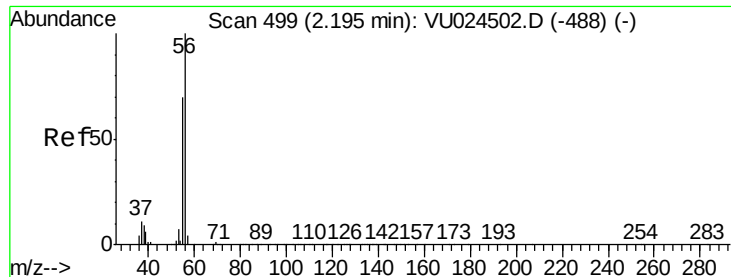


#12

1,1-Dichloroethene
 Concen: 19.39 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	141.7	212.5
98	62.0	51.6	77.4





#13

Acrolein

Concen: 44.81 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tot Ion: 56 Resp: 16263

Ion Ratio Lower Upper

56 100

55 76.3 58.4 87.6

Instrument :

MSVOA_U

ClientSampleId :

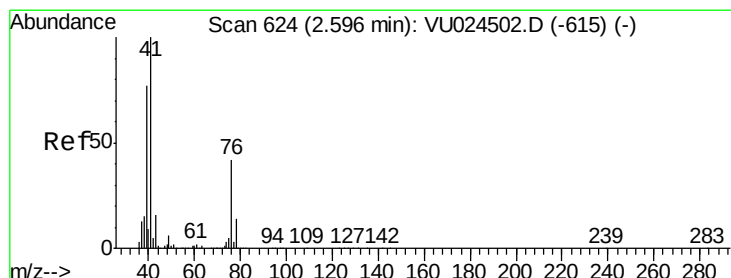
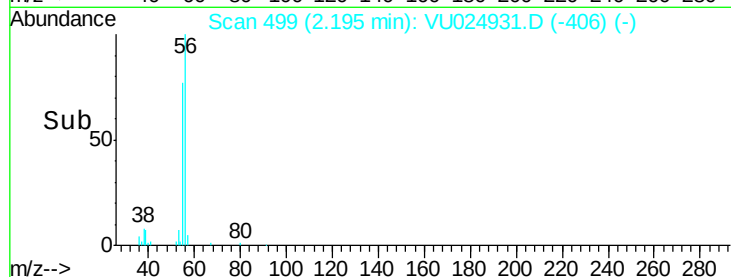
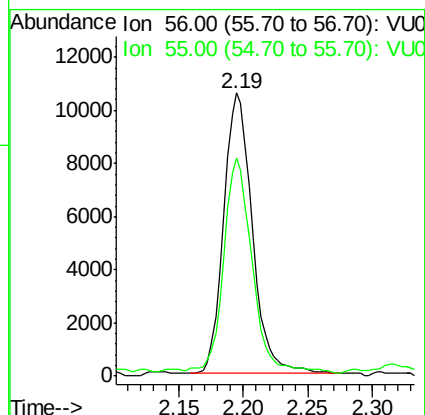
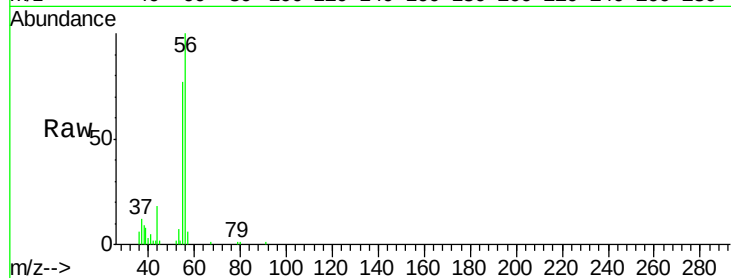
VU0627MBSD01

Manual Integrations

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#14

Allyl chloride

Concen: 18.50 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

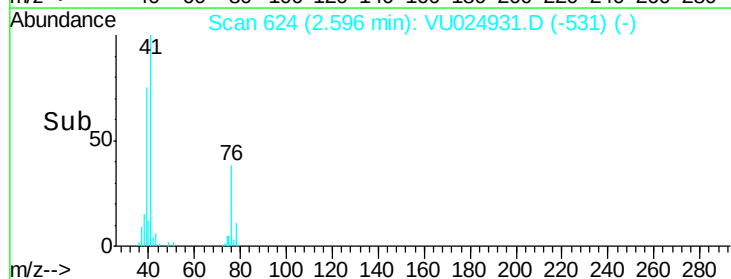
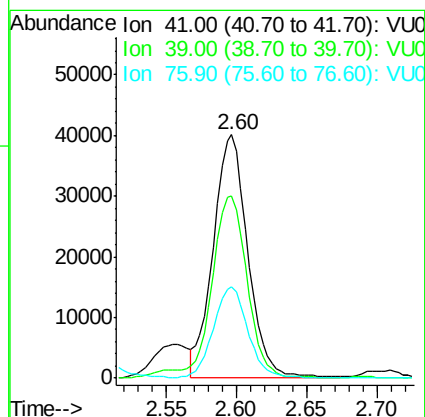
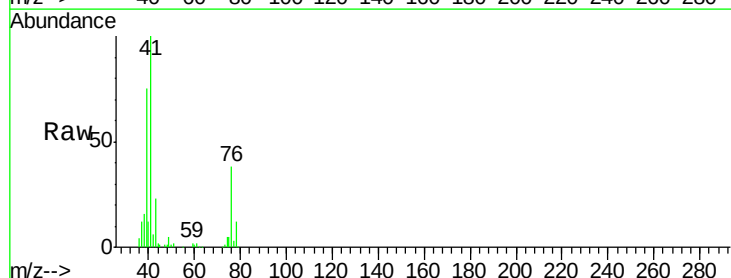
Tgt Ion: 41 Resp: 68100

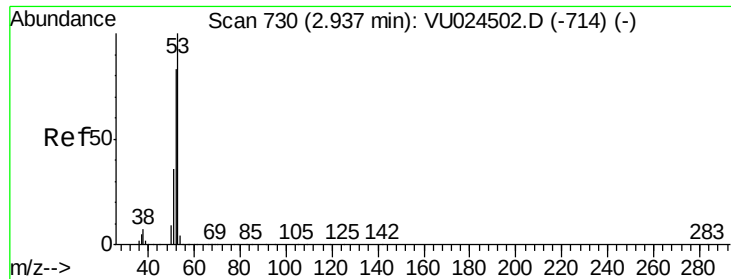
Ion Ratio Lower Upper

41 100

39 78.4 61.6 92.4

76 37.6 29.7 44.5





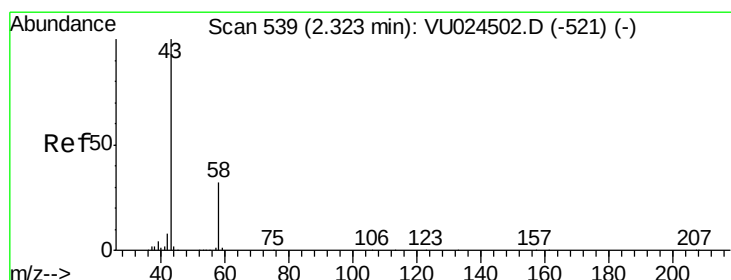
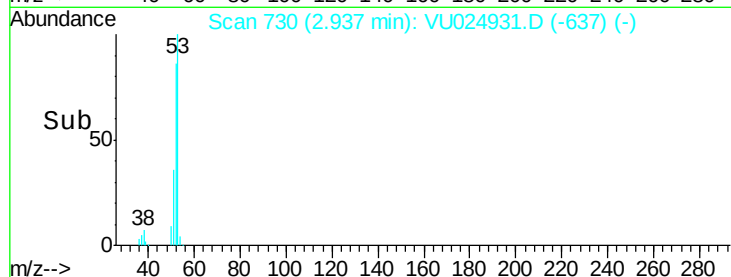
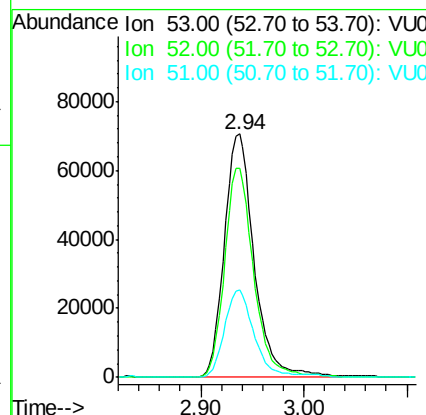
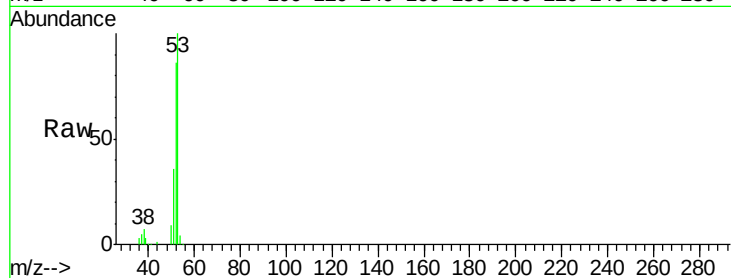
#15
 Acrylonitrile
 Concen: 105.80 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion:	53	Resp:	142278
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.1	100.7
51	35.2	28.4	42.6

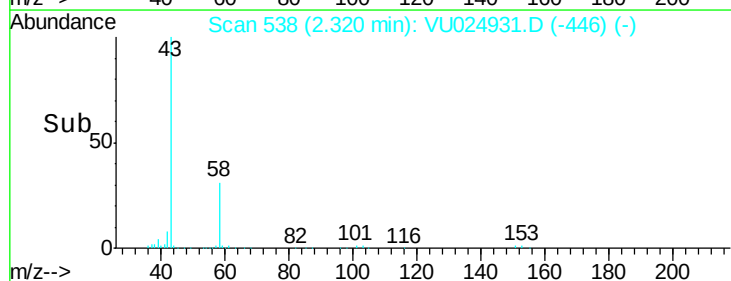
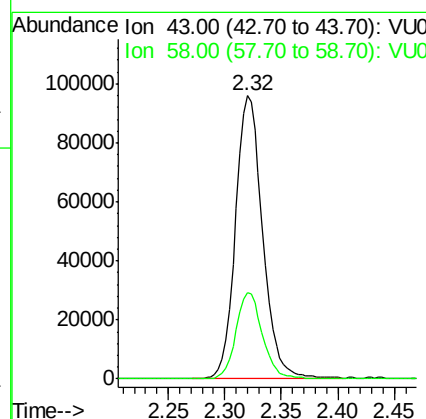
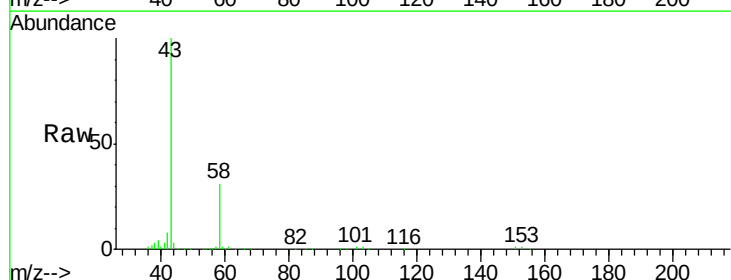
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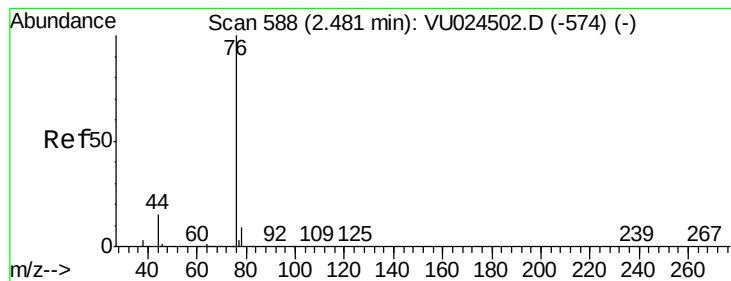
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#16
 Acetone
 Concen: 104.57 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion:	43	Resp:	159670
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.4	36.6





#17

Carbon Disulfide

Concen: 15.56 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 76 Resp: 98742

Ion Ratio Lower Upper

76 100

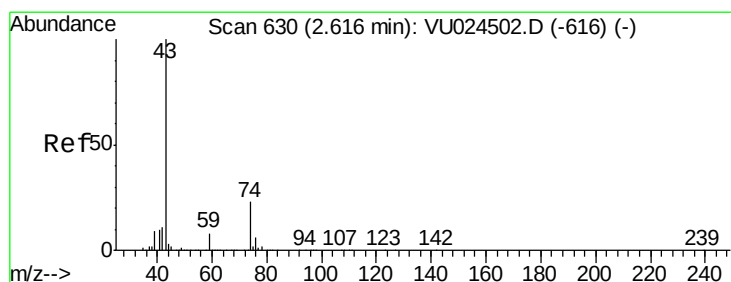
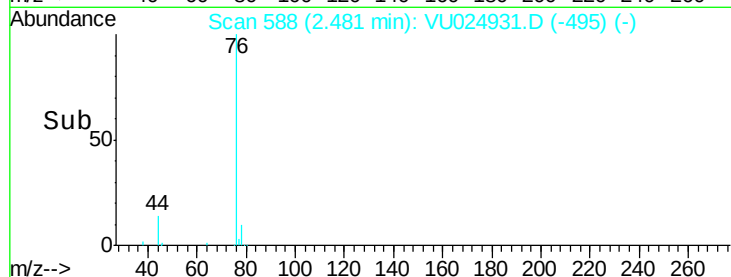
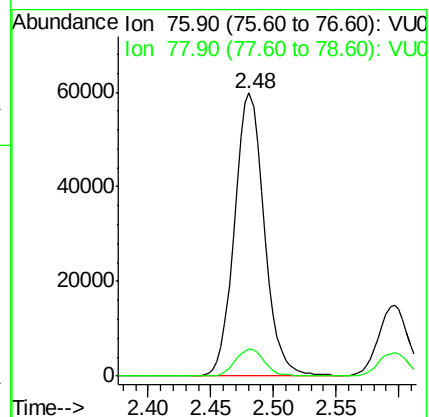
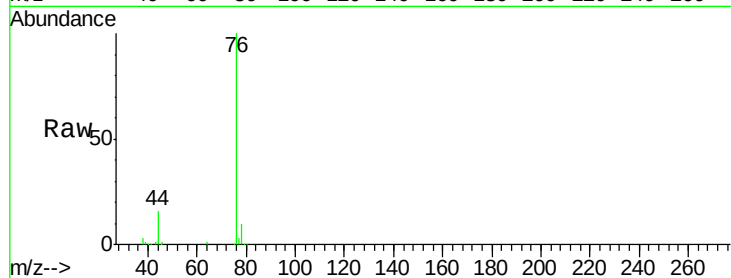
78 9.6 7.1 10.7

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#18

Methyl Acetate

Concen: 23.73 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU024931.D

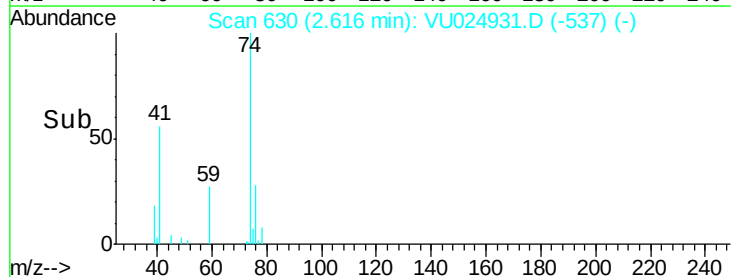
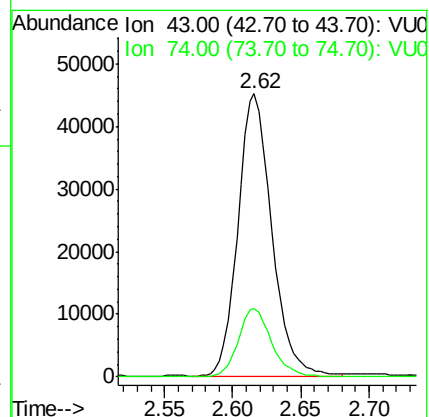
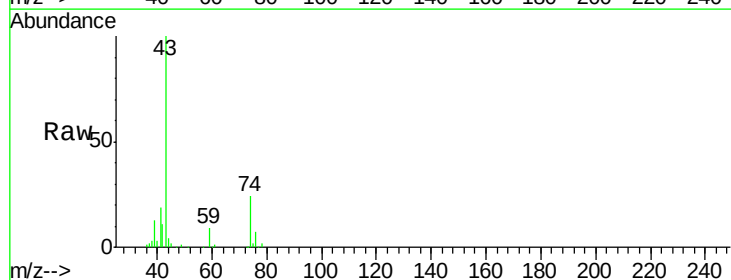
Acq: 26 Jun 2018 19:55

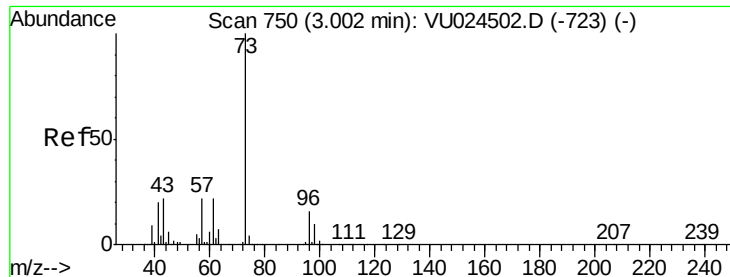
Tgt Ion: 43 Resp: 77676

Ion Ratio Lower Upper

43 100

74 23.9 18.0 27.0





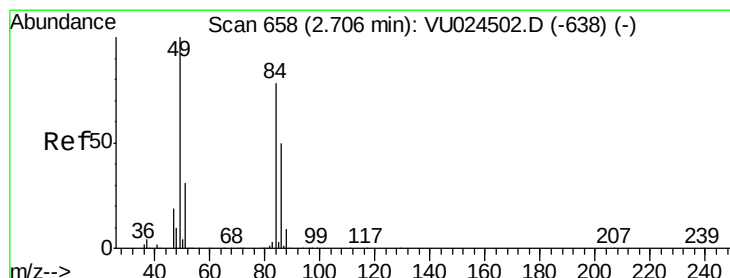
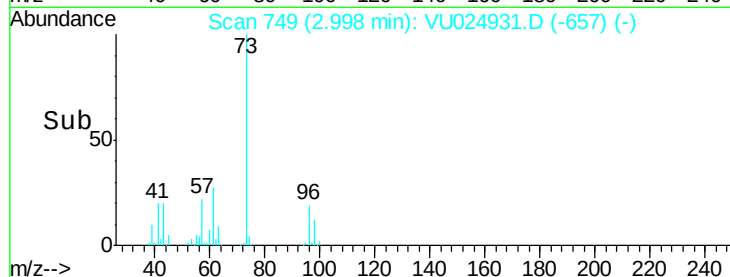
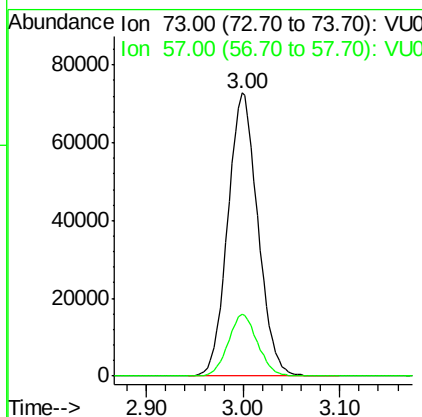
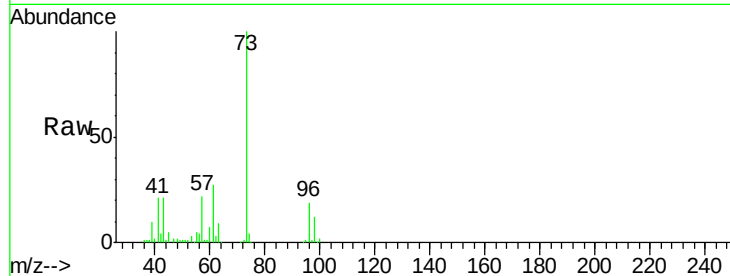
#19
Methyl tert-butyl Ether
Concen: 21.10 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.8	28.2

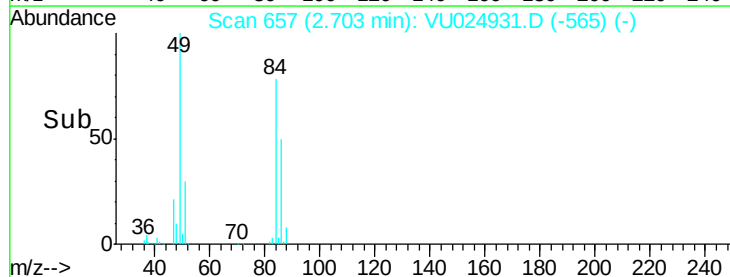
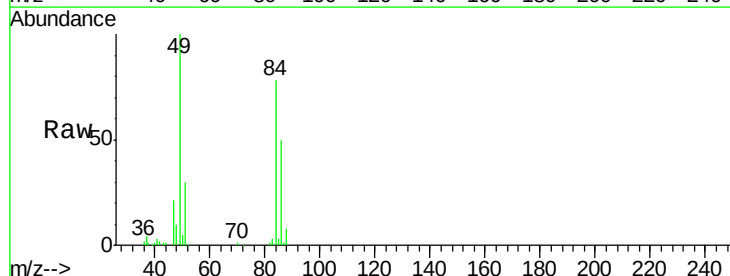
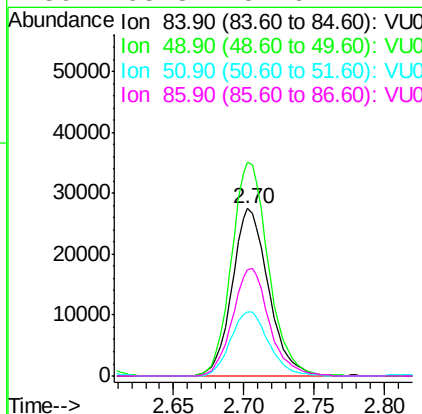
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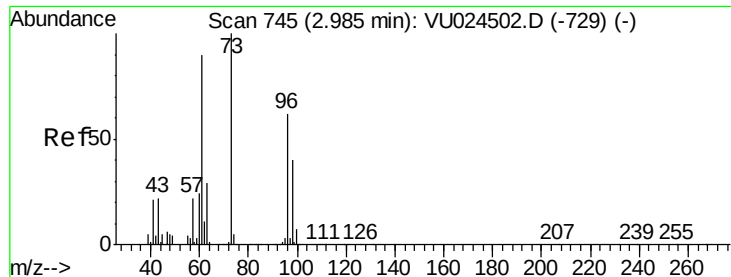
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#20
Methylene Chloride
Concen: 20.66 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	103.8	155.8
51	38.6	32.0	48.0
86	63.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.09 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

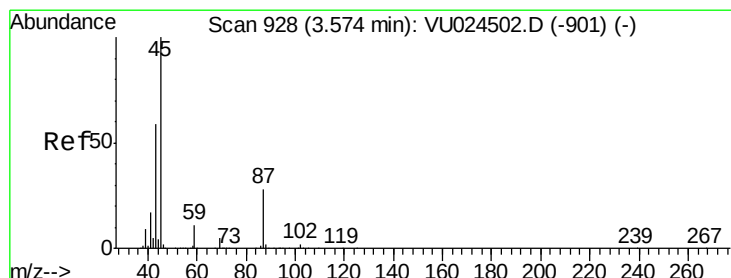
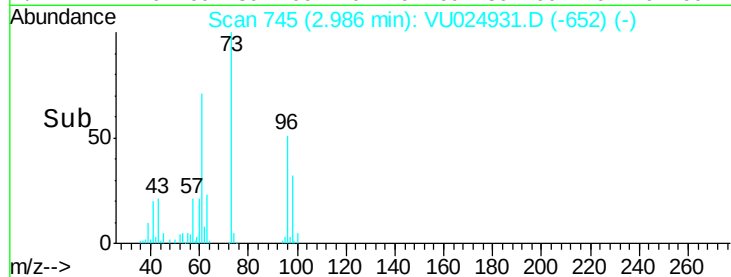
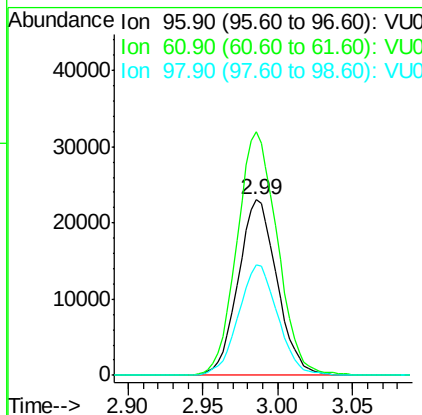
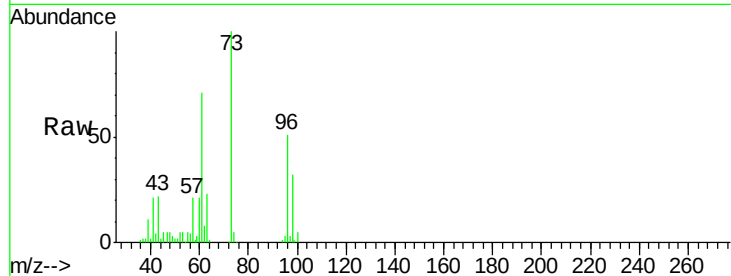
ClientSampleId :

VU0627MBSD01

Tot Ion:	96	Resp:	41668
Ion	Ratio	Lower	Upper
96	100		
61	138.6	119.4	179.0
98	62.7	51.1	76.7

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#22

Diisopropyl ether

Concen: 20.31 ug/l

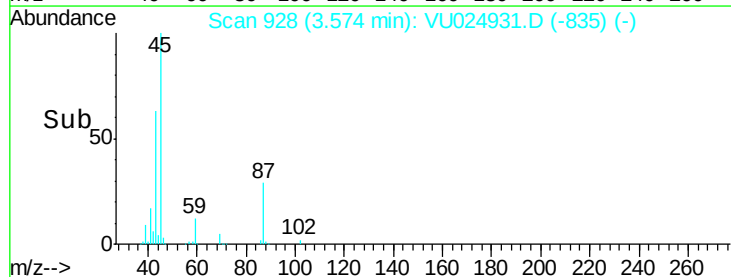
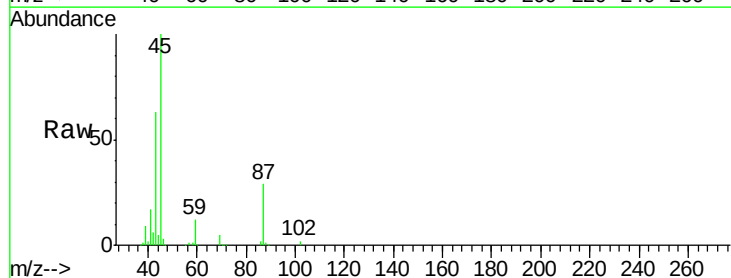
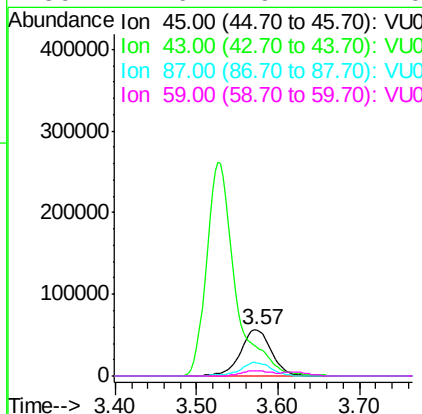
RT: 3.57 min Scan# 928

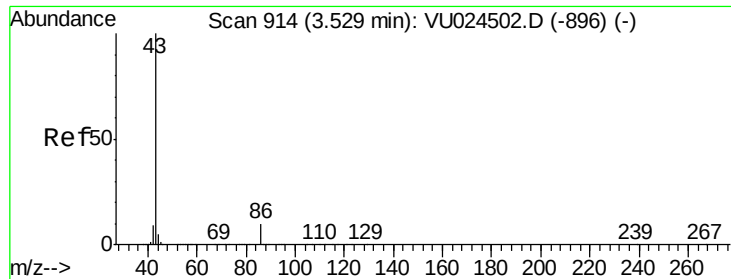
Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	45	Resp:	148174
Ion	Ratio	Lower	Upper
45	100		
43	61.6	45.8	68.6
87	28.8	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 98.40 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024931.D

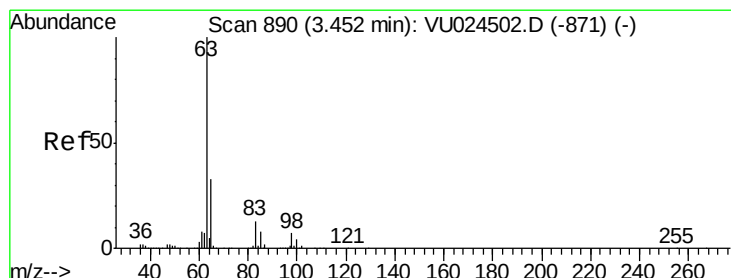
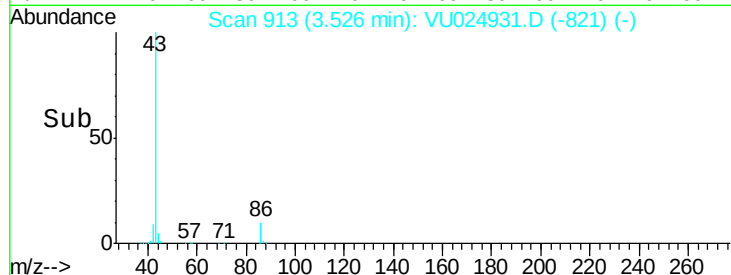
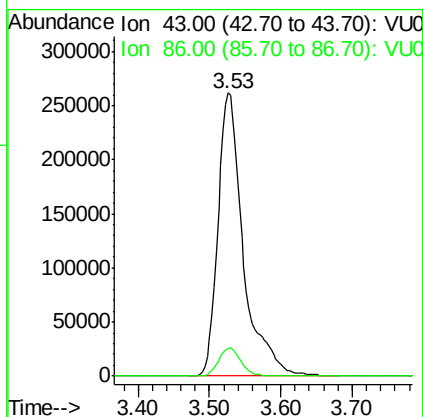
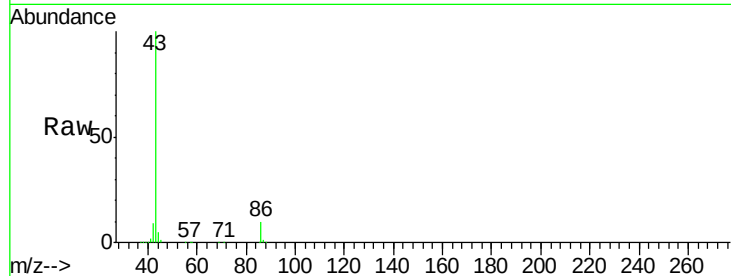
Acq: 26 Jun 2018 19:55

Tot Ion:	43	Resp:	643096
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.8	11.8

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

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#24

1,1-Dichloroethane

Concen: 20.16 ug/l

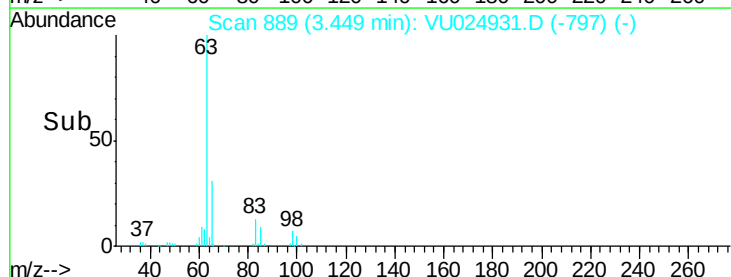
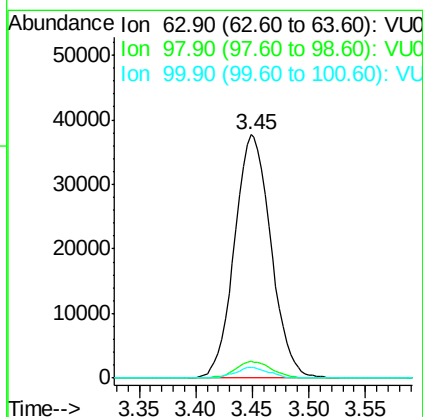
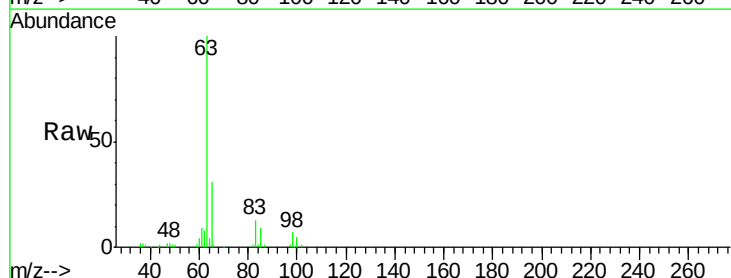
RT: 3.45 min Scan# 889

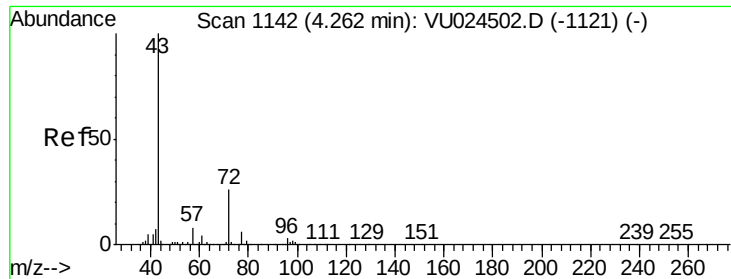
Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	63	Resp:	84611
Ion Ratio	Lower	Upper	
63	100		
98	6.9	3.5	10.4
100	4.6	1.8	5.5





#25

2-Butanone

Concen: 106.96 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 43 Resp: 219366

Ion Ratio Lower Upper

43 100

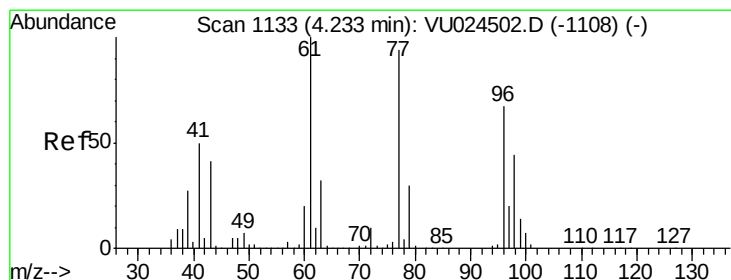
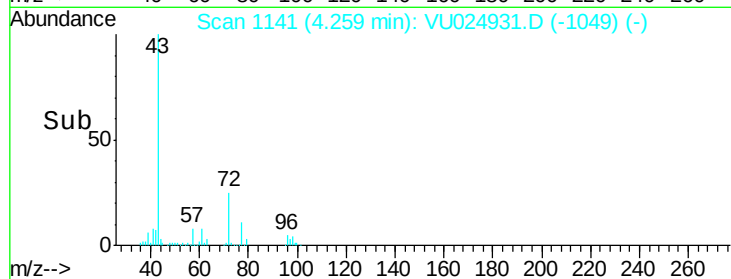
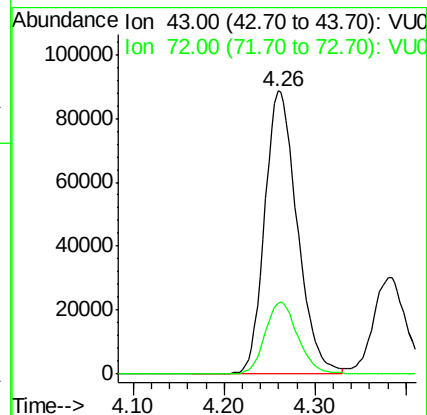
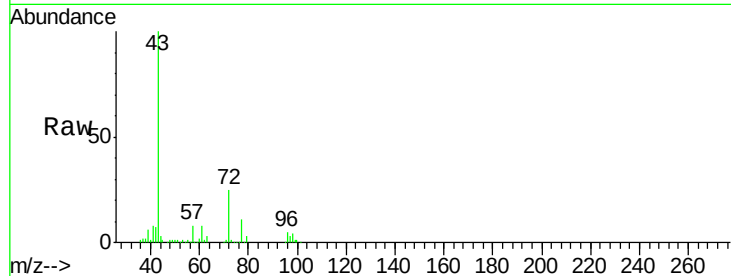
72 24.9 19.6 29.4

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#26

2,2-Dichloropropane

Concen: 19.87 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024931.D

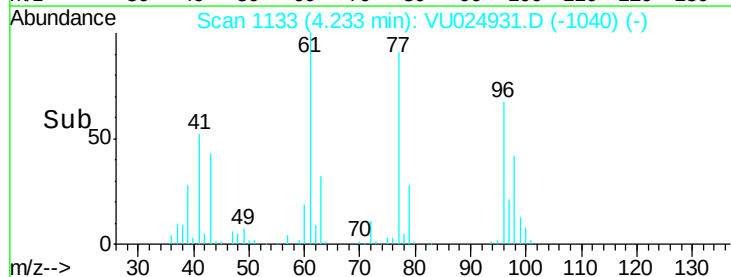
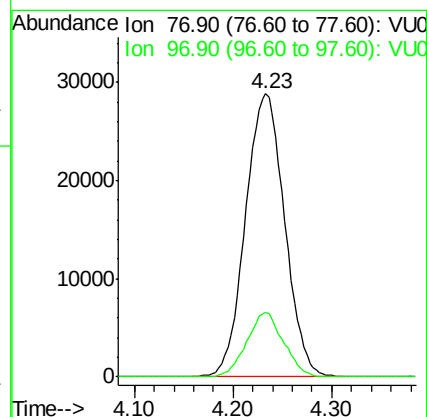
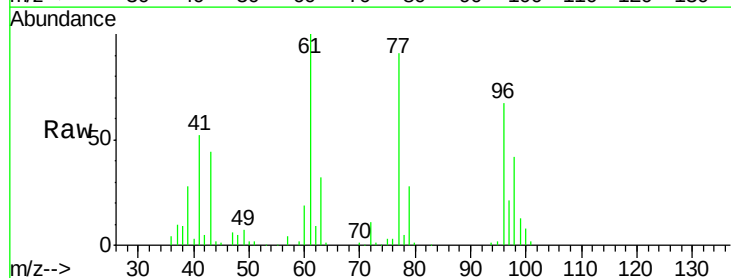
Acq: 26 Jun 2018 19:55

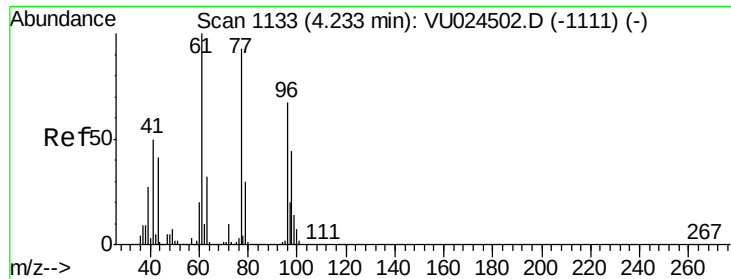
Tgt Ion: 77 Resp: 79169

Ion Ratio Lower Upper

77 100

97 21.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 20.40 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

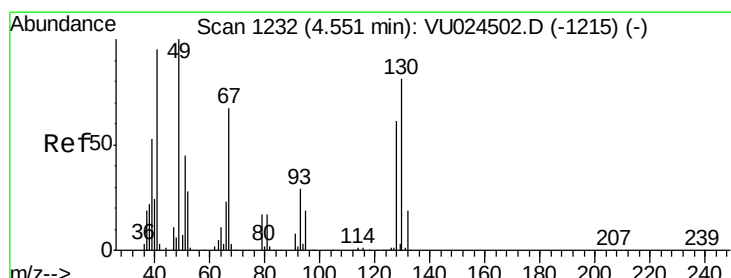
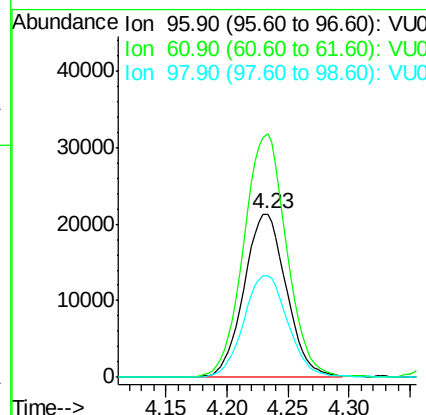
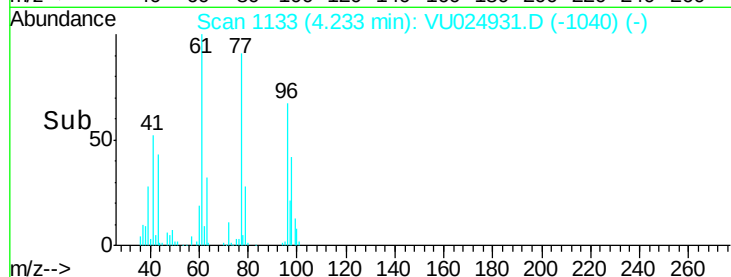
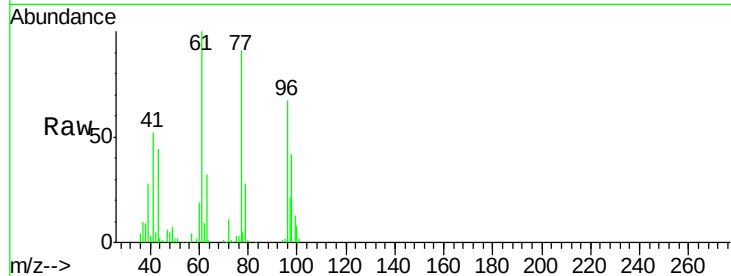
ClientSampleId :

VU0627MBSD01

Tot Ion:	96	Resp:	51208
Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	306.6
98	65.0	0.0	128.8

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#28

Bromochloromethane

Concen: 20.82 ug/l

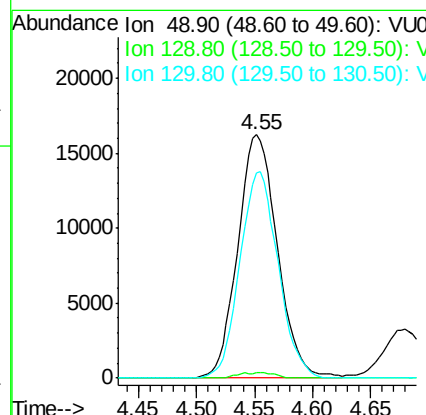
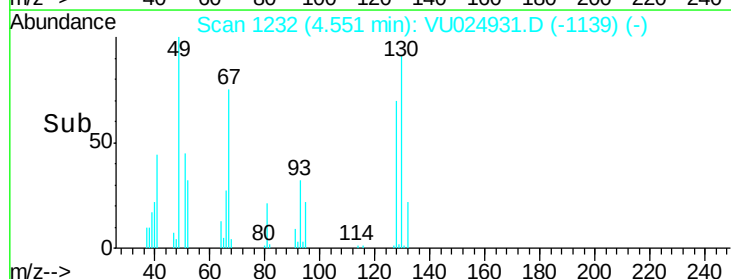
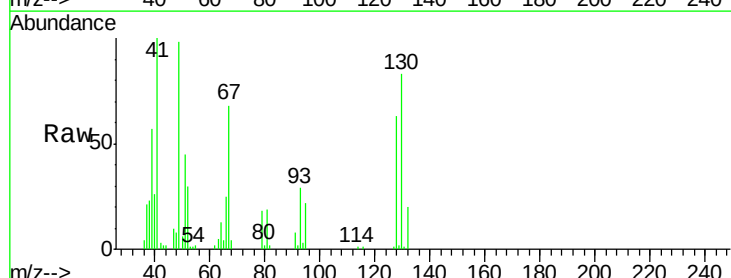
RT: 4.55 min Scan# 1232

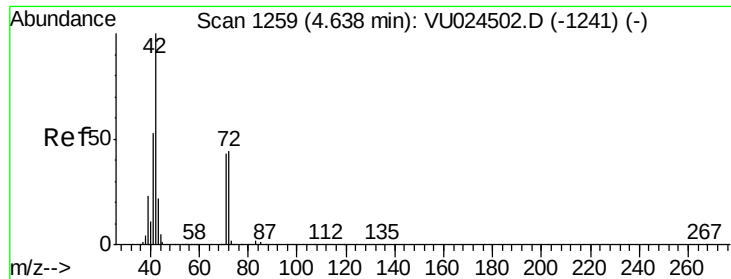
Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	49	Resp:	38482
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.0	57.8	86.6





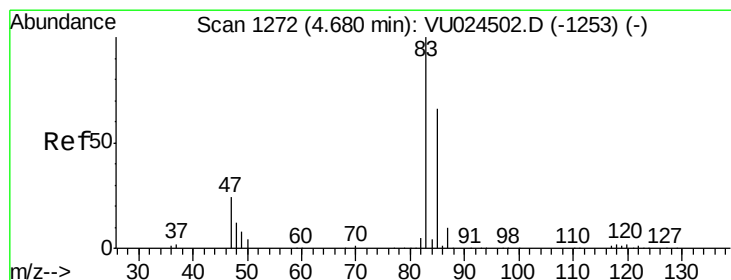
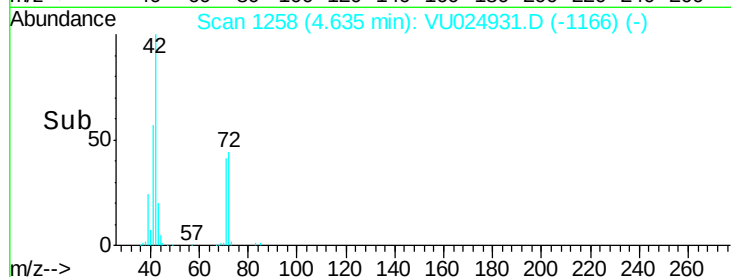
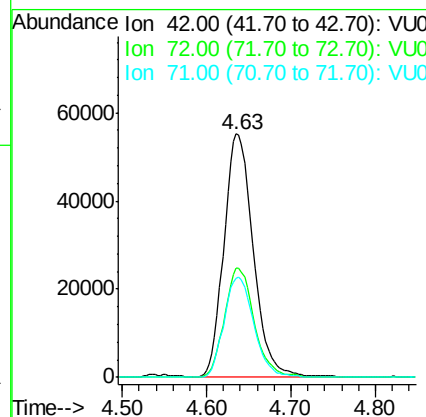
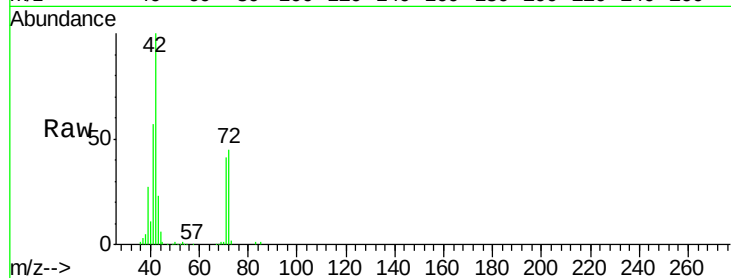
#29
Tetrahydrofuran
Concen: 104.50 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	42.0	32.2	48.4

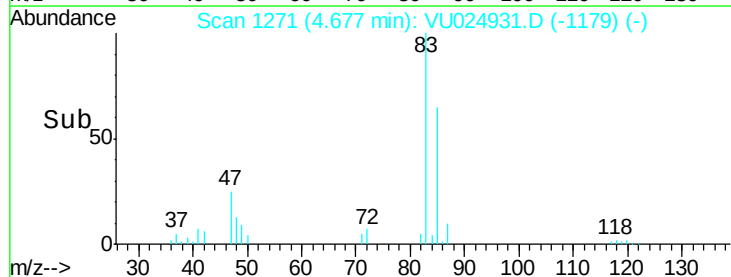
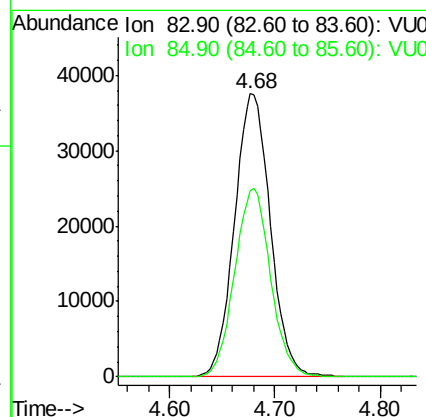
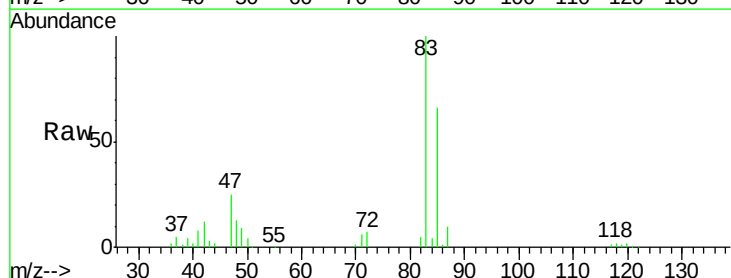
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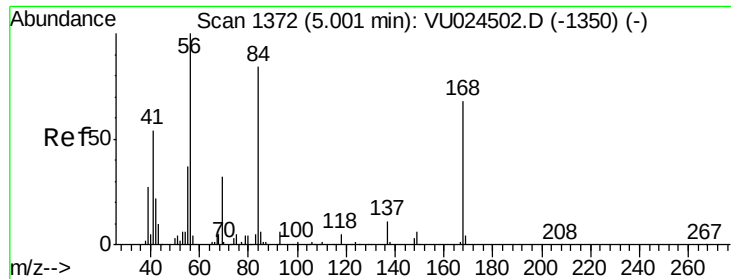
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#30
Chloroform
Concen: 20.84 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.4	78.6





#31

Cyclohexane

Concen: 18.92 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

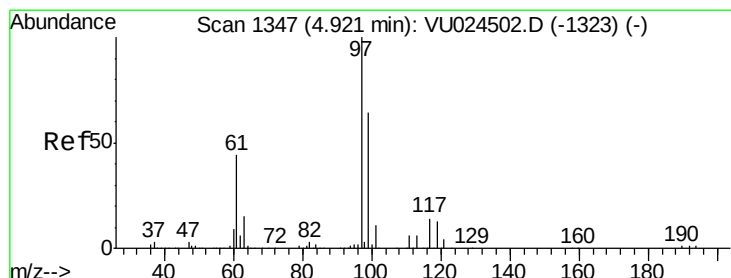
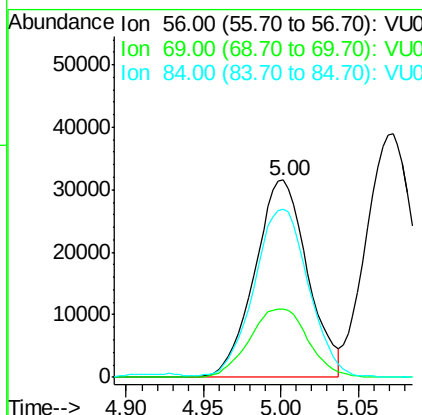
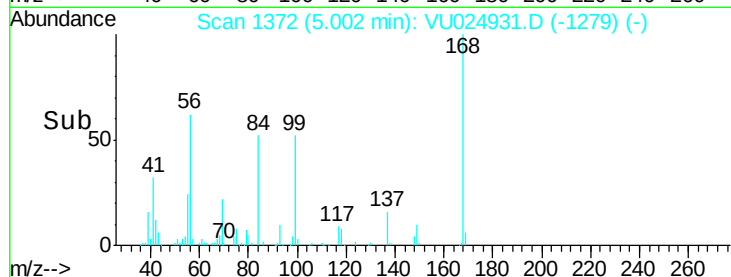
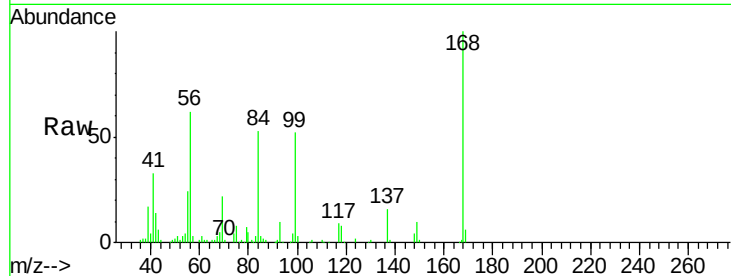
ClientSampleId :

VU0627MBSD01

Tot Ion:	56	Resp:	75103
Ion	Ratio	Lower	Upper
56	100		
69	34.7	24.8	37.2
84	84.7	65.2	97.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.51 ug/l

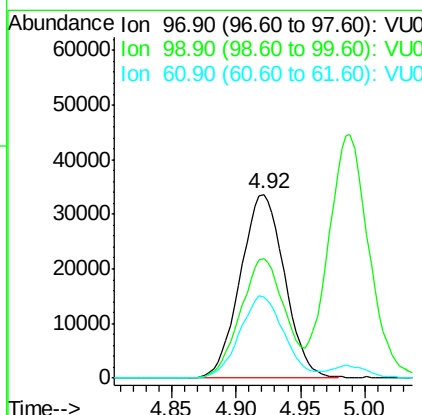
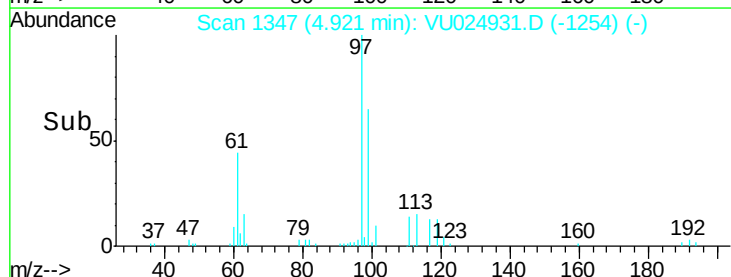
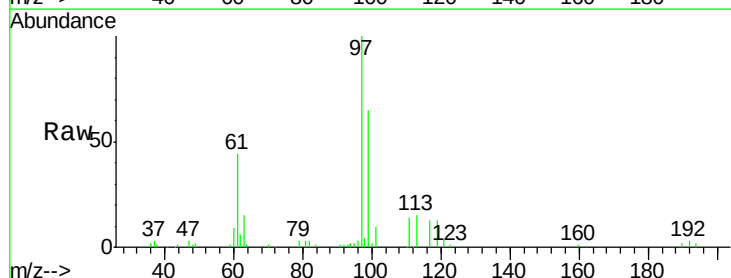
RT: 4.92 min Scan# 1347

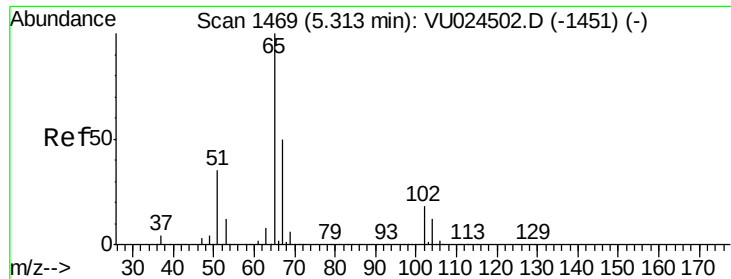
Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	97	Resp:	80556
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.0	76.6
61	44.8	39.4	59.0





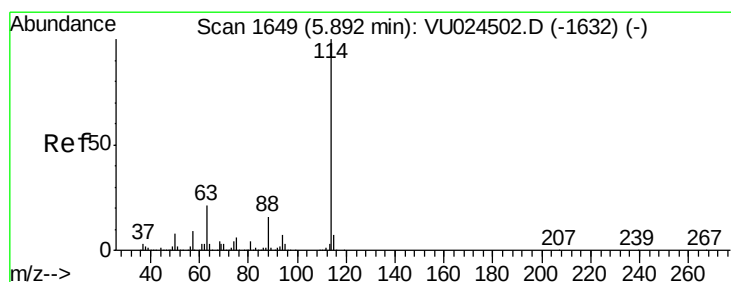
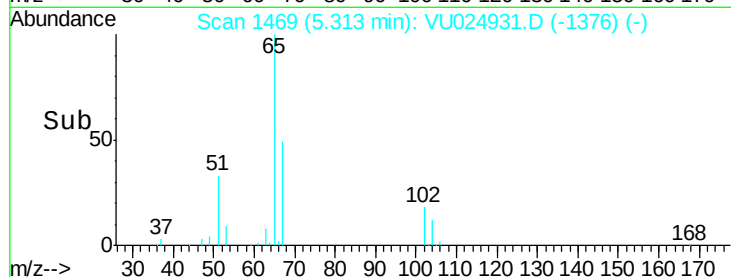
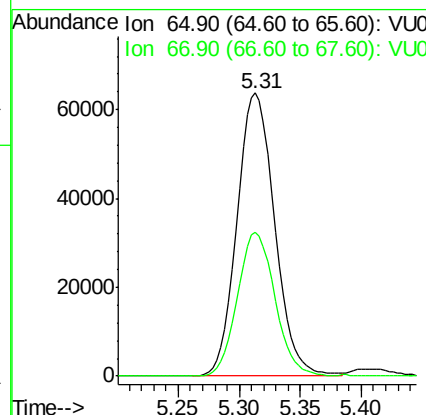
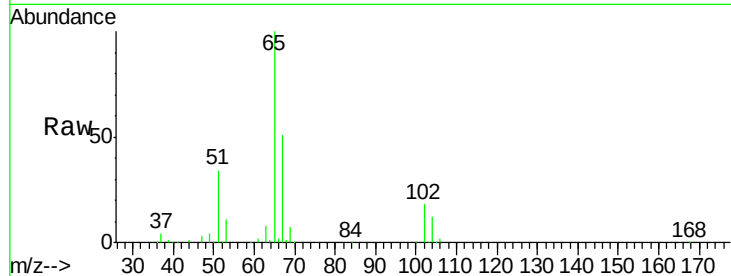
#33
 1,2-Dichloroethane-d4
 Concen: 48.10 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	136701		
67	50.5	0.0	107.0	

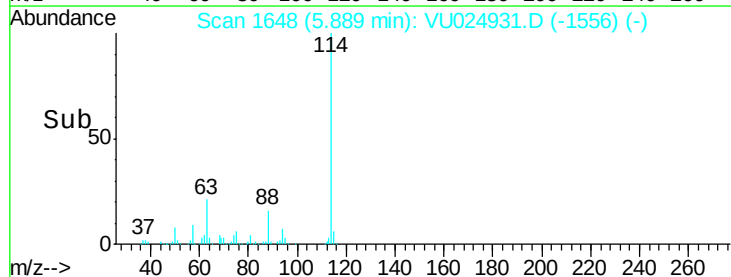
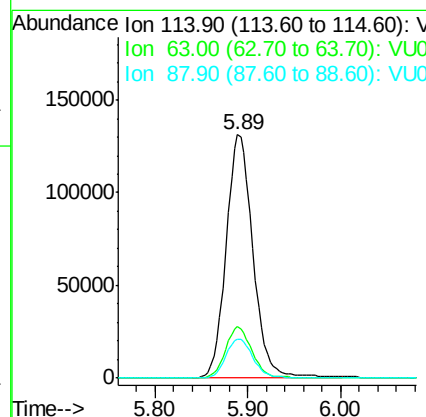
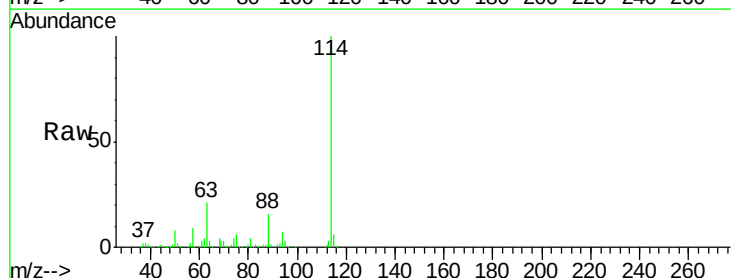
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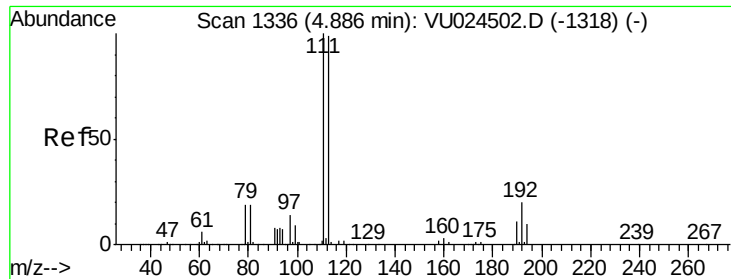
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264494		
63	21.0	0.0	45.4	
88	16.2	0.0	31.0	





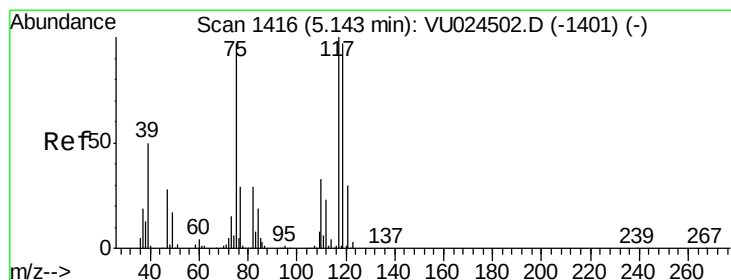
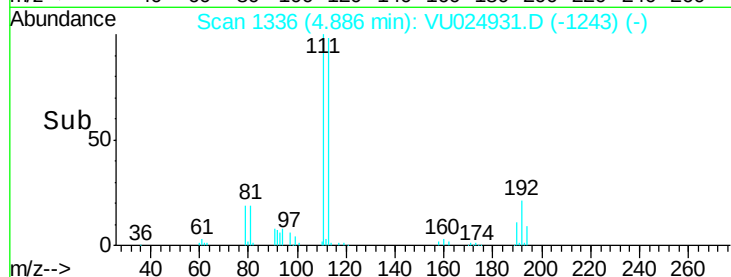
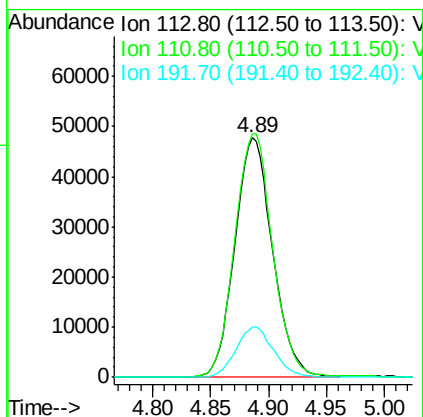
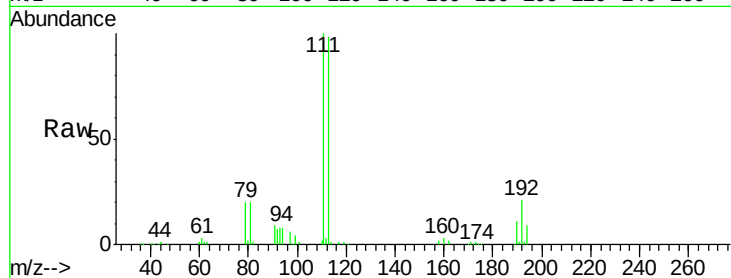
#35
 Dibromofluoromethane
 Concen: 49.24 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.0	16.2	24.4

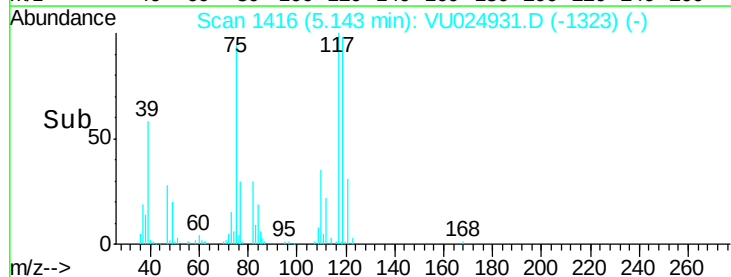
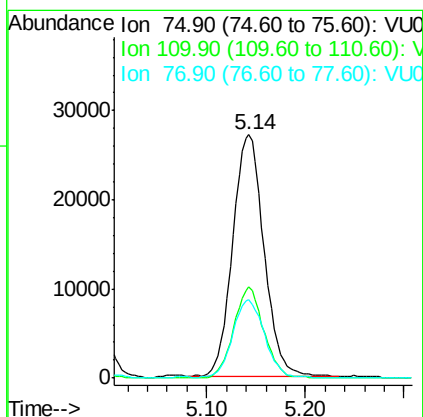
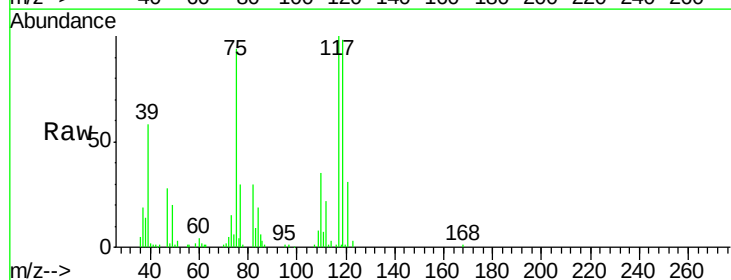
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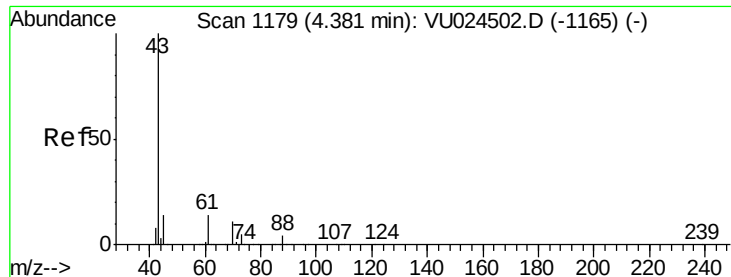
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#36
 1,1-Dichloropropene
 Concen: 19.28 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	17.0	50.9
77	33.1	24.2	36.4





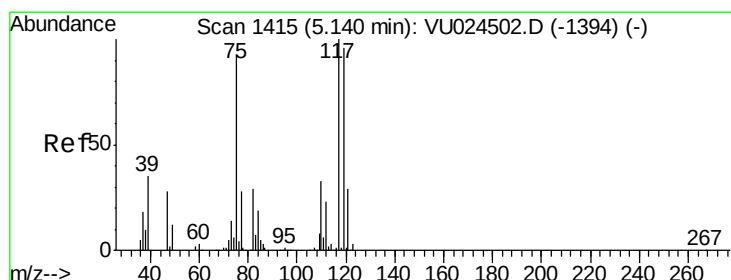
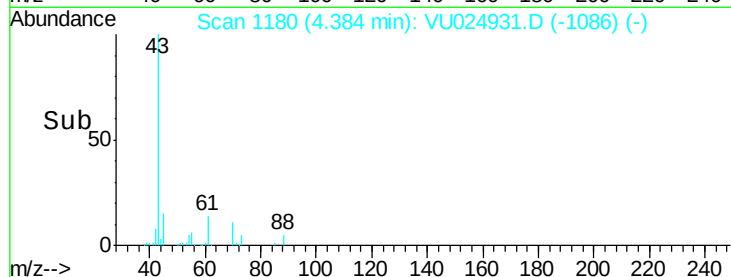
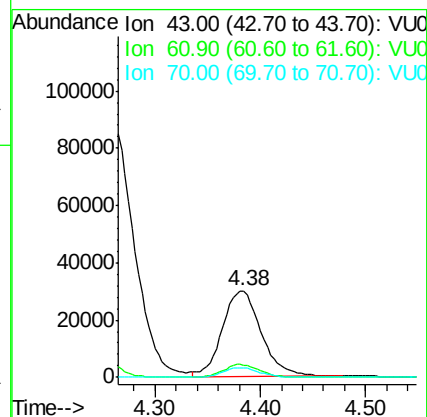
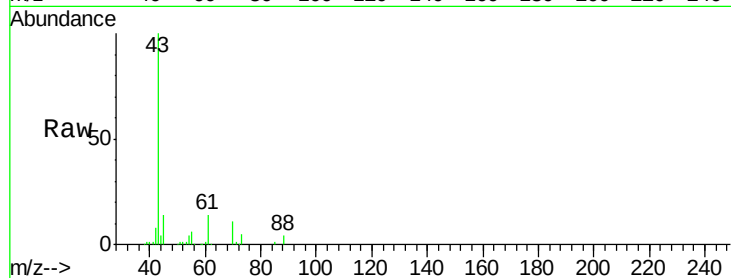
#37
Ethyl Acetate
Concen: 22.48 ug/l
RT: 4.38 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	11.0	7.4	11.2

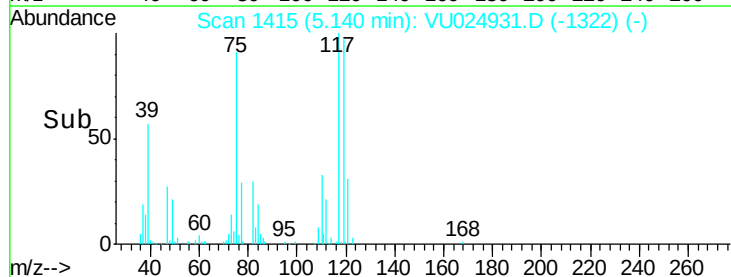
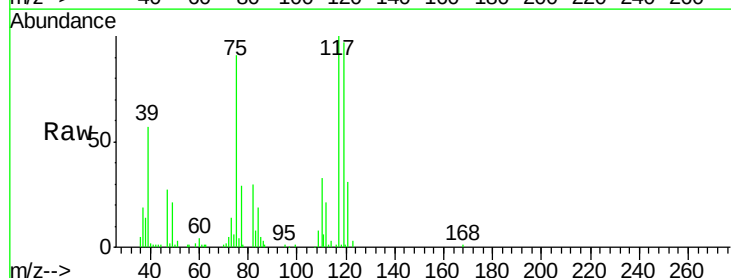
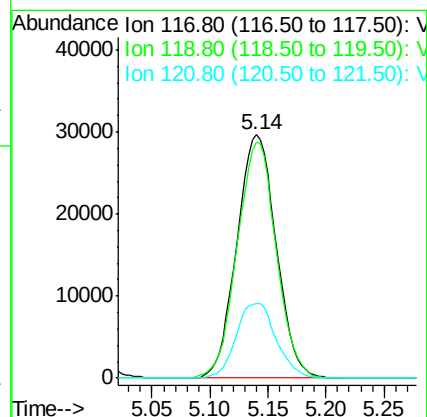
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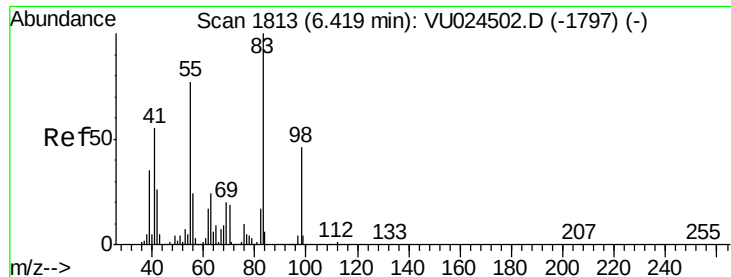
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#38
Carbon Tetrachloride
Concen: 20.45 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.1	114.1
121	30.8	23.7	35.5





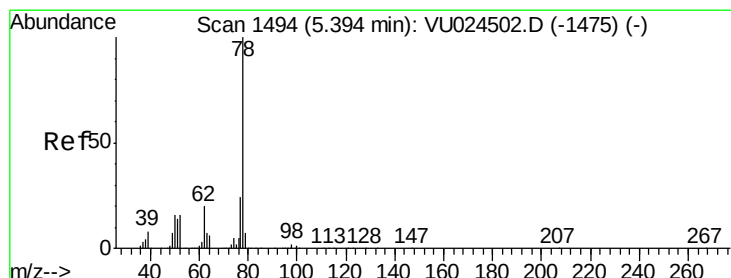
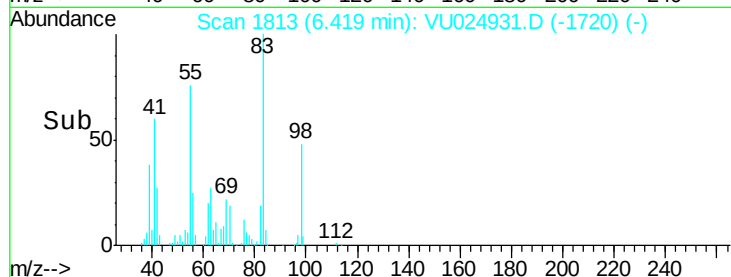
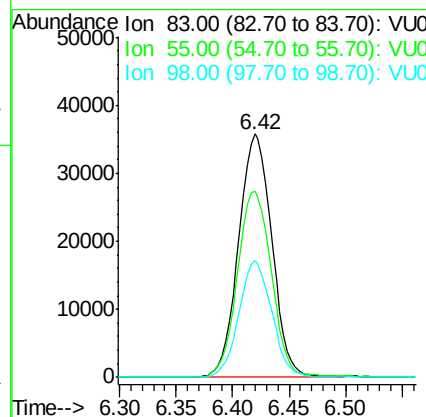
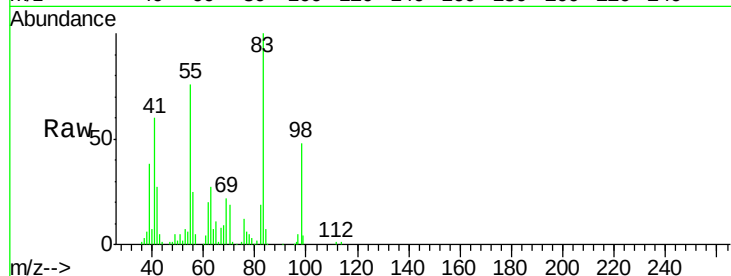
#39
Methylvlcyclohexane
Concen: 18.97 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.8	98.6
98	48.0	36.7	55.1

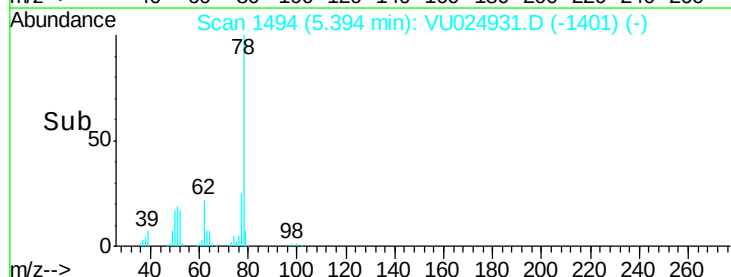
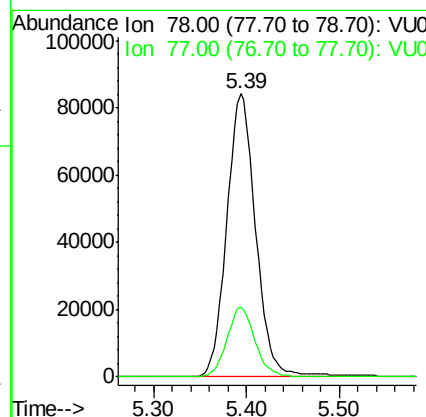
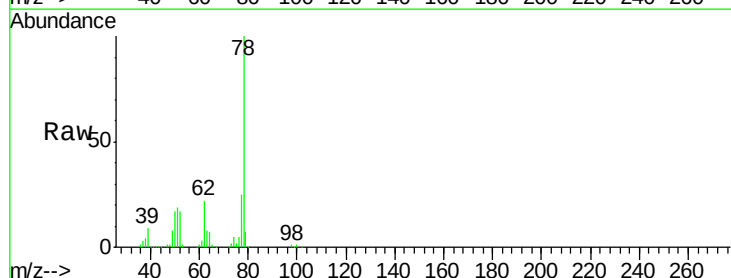
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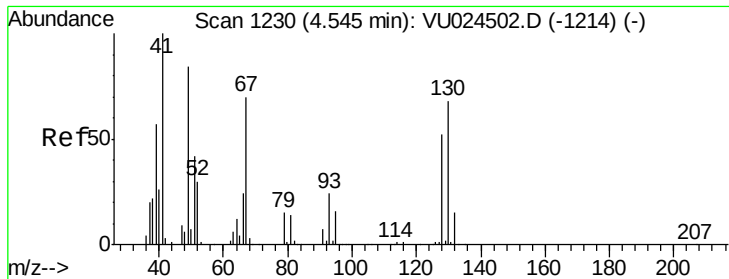
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#40
Benzene
Concen: 20.55 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





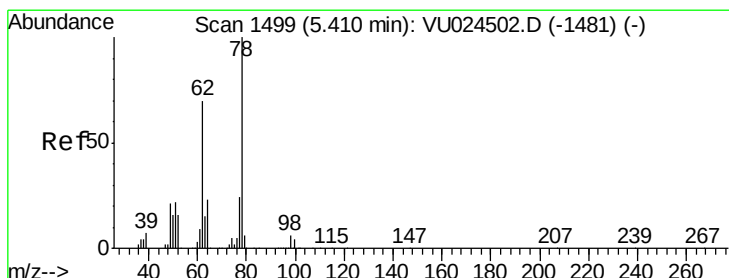
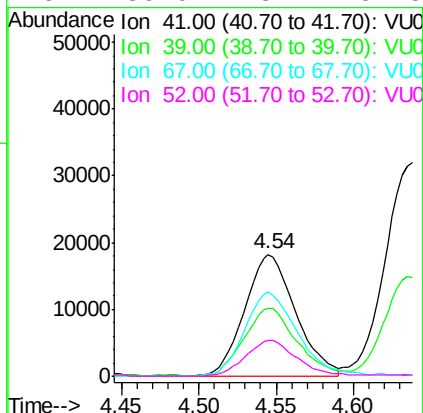
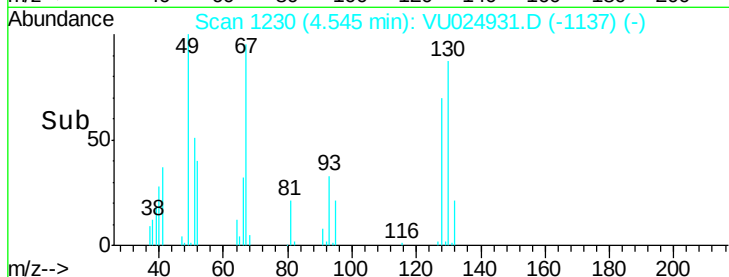
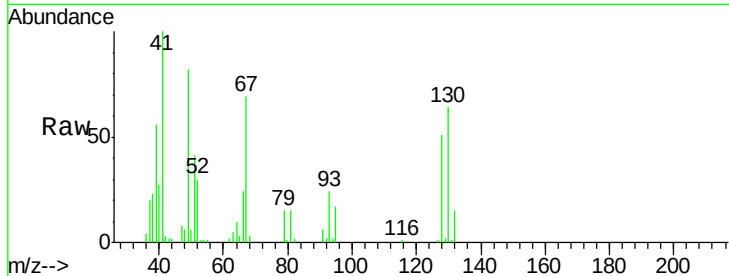
#41
Methacrylonitrile
Concen: 22.92 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.1	43.8	65.6
67	71.5	56.3	84.5
52	30.0	23.2	34.8

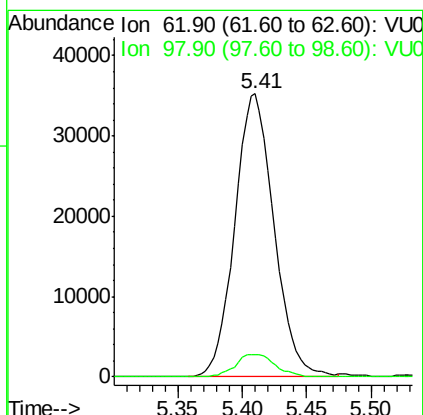
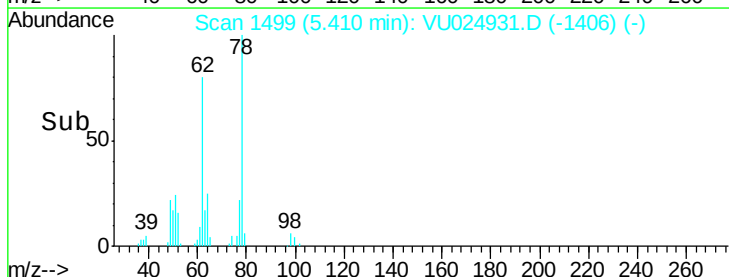
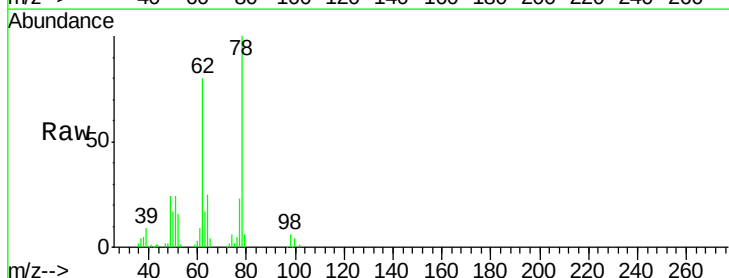
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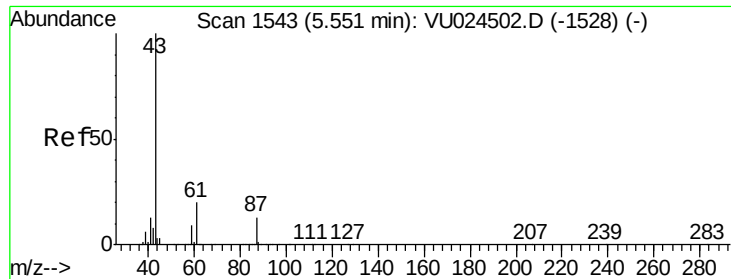
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#42
1,2-Dichloroethane
Concen: 22.18 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





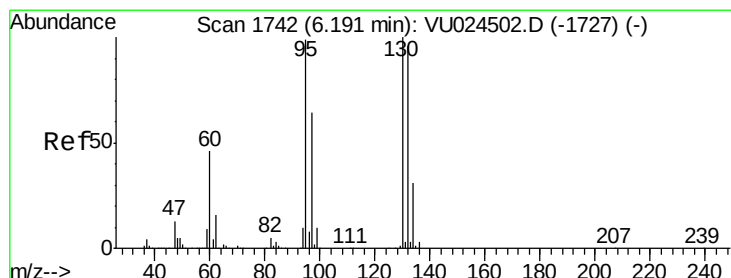
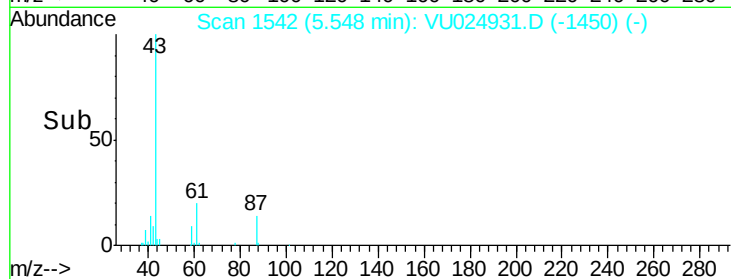
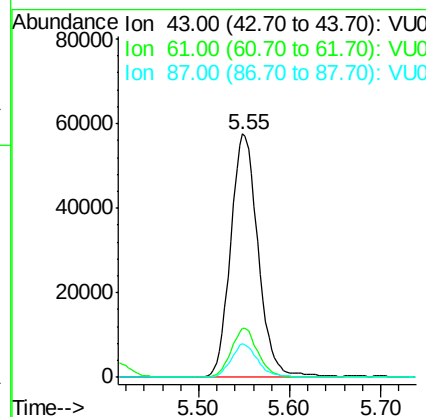
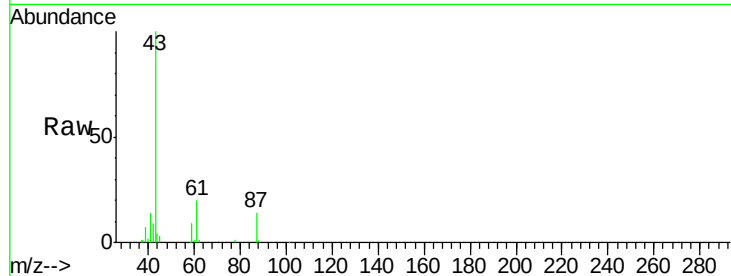
#43
Isopropyl Acetate
Concen: 20.68 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.3	10.0	15.0

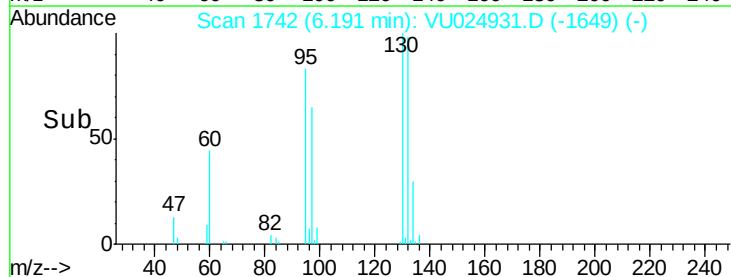
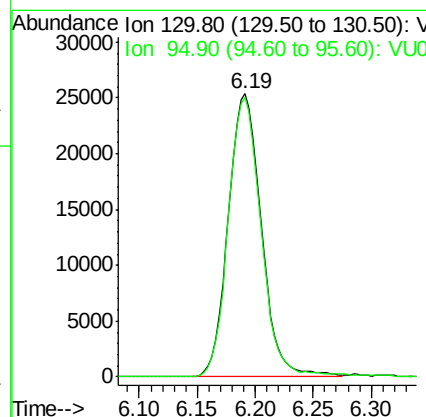
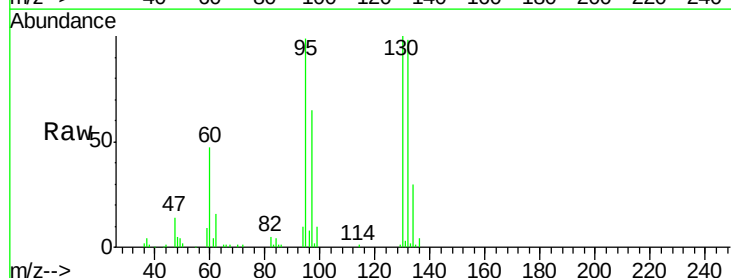
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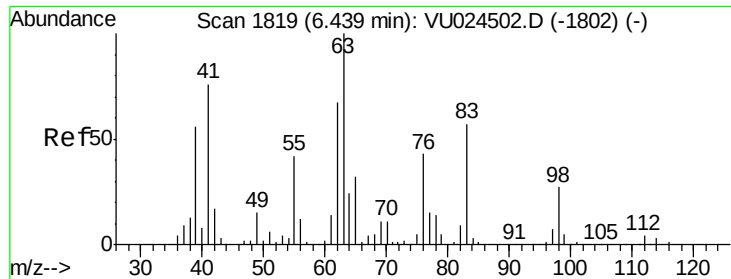
apatel
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#44
Trichloroethene
Concen: 19.89 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	202.4





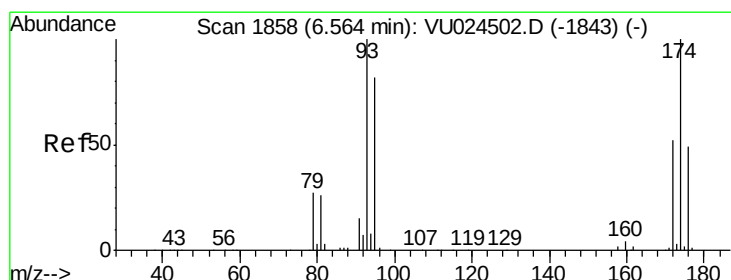
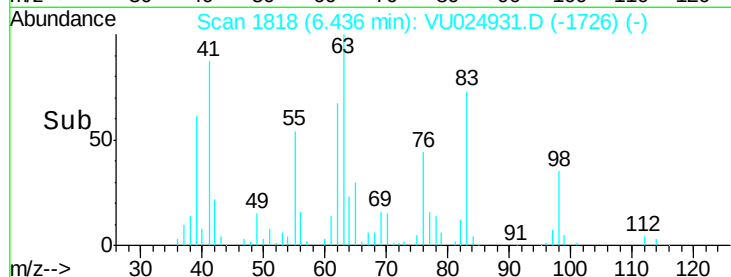
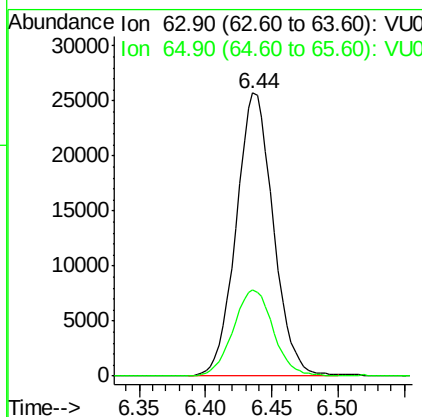
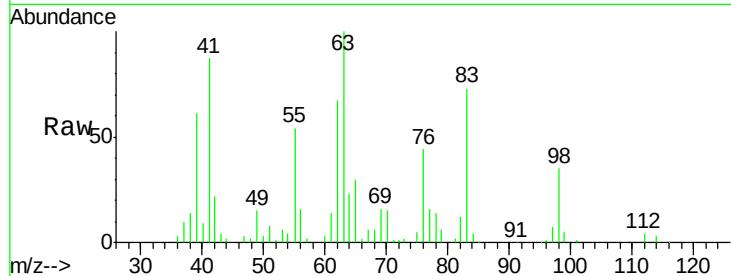
#45
 1,2-Dichloropropane
 Concen: 21.20 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion: 63 Resp: 50094
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.8 37.2

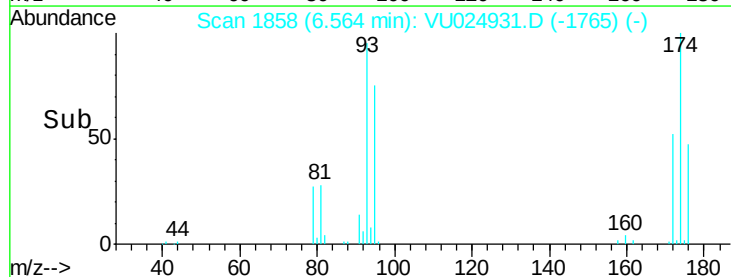
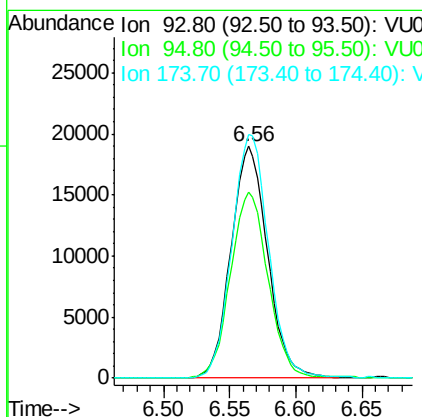
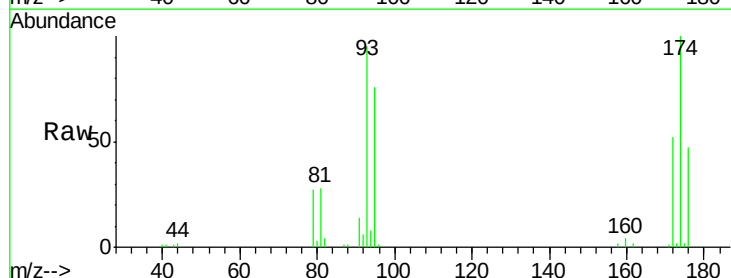
Manual Integrations
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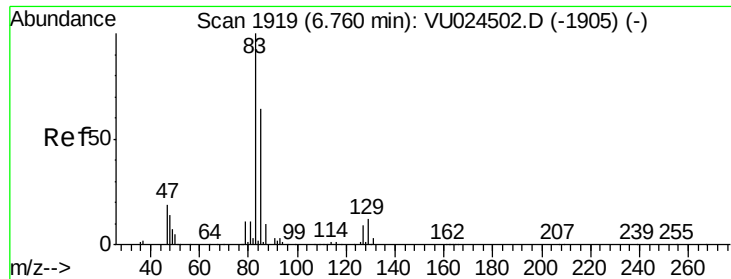
apatel
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#46
 Dibromomethane
 Concen: 21.96 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 93 Resp: 36444
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.5 98.3
 174 105.5 78.7 118.1





#47

Bromodichloromethane

Concen: 20.99 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

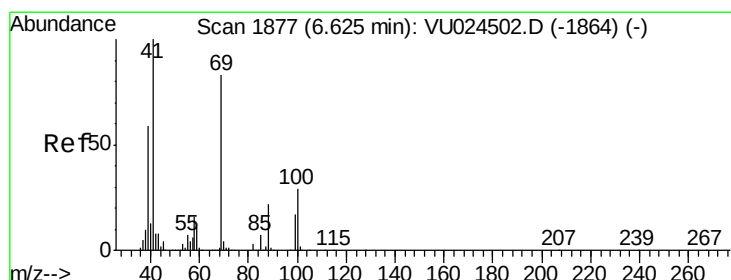
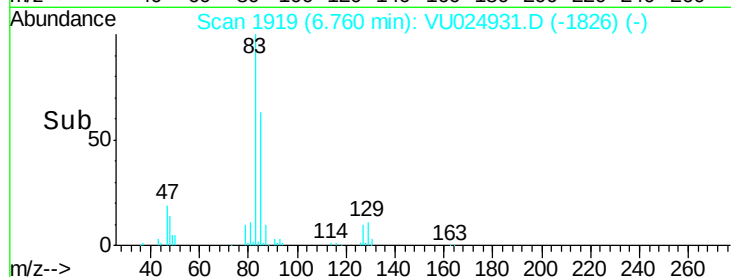
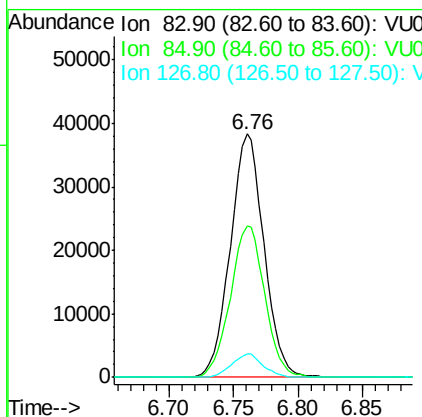
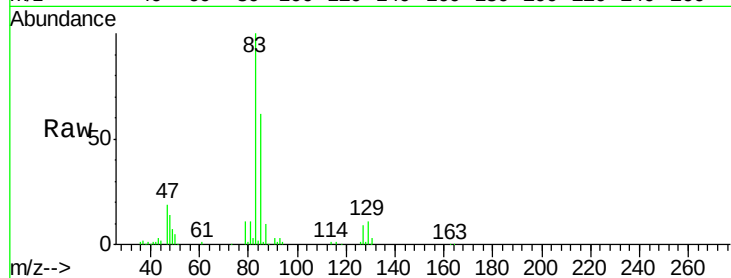
ClientSampleId :

VU0627MBSD01

Tot Ion:	83	Resp:	69392
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.9	77.9
127	9.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.41 ug/l

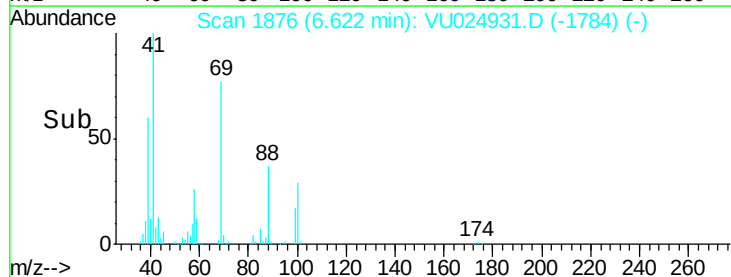
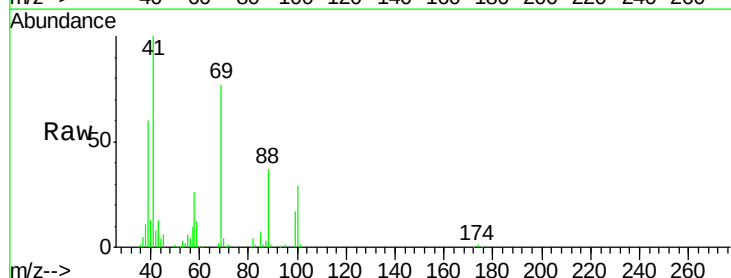
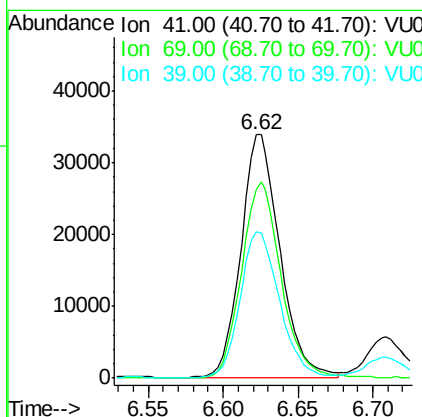
RT: 6.62 min Scan# 1876

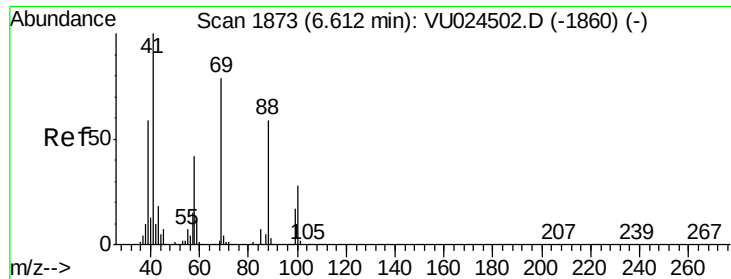
Delta R.T. -0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	41	Resp:	61046
Ion	Ratio	Lower	Upper
41	100		
69	82.6	67.3	100.9
39	61.4	46.5	69.7





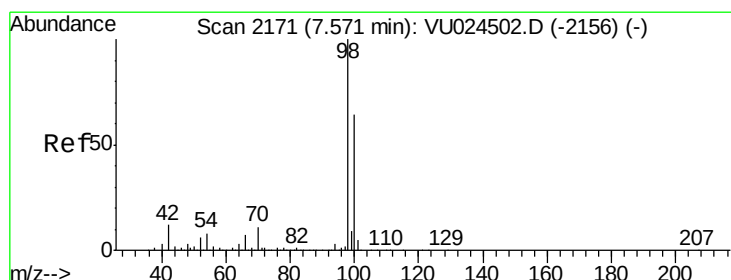
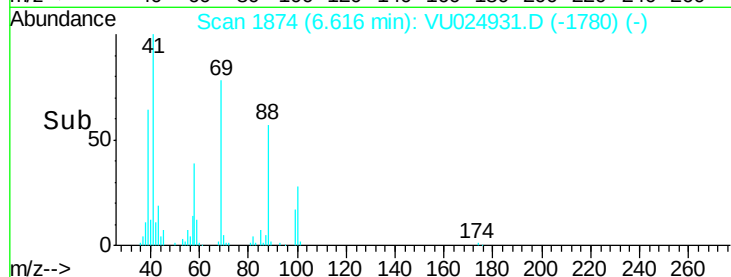
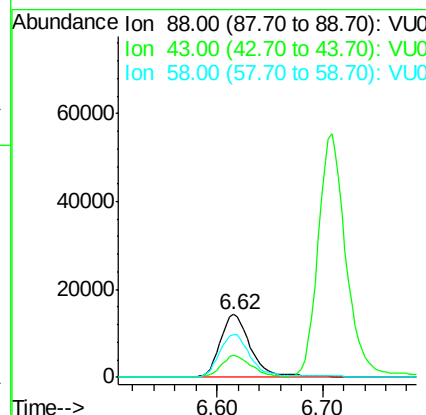
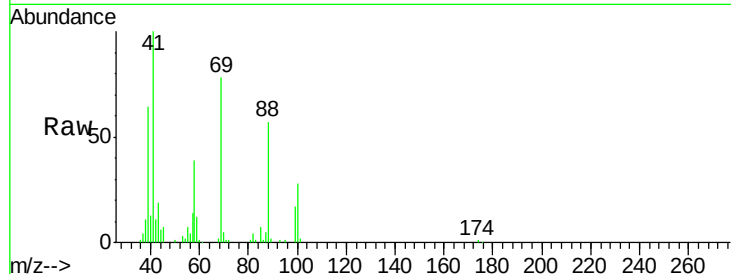
#49
1,4-Dioxane
Concen: 521.07 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	28.6	42.8
58	68.2	58.2	87.4

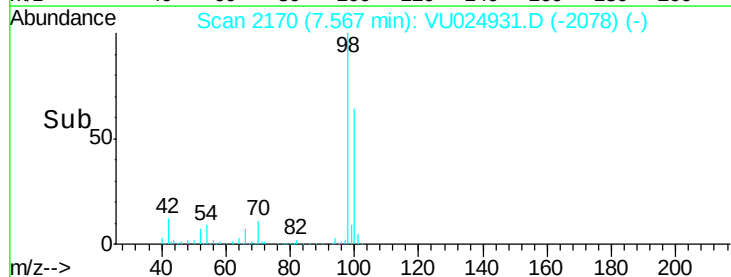
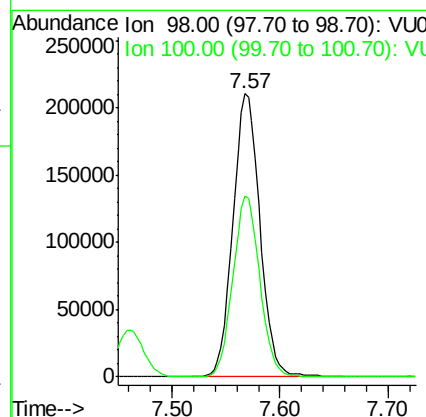
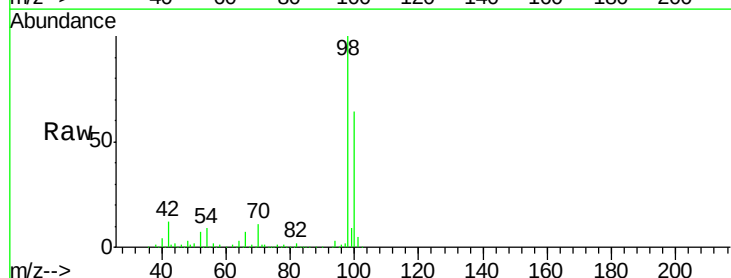
Manual Integrations
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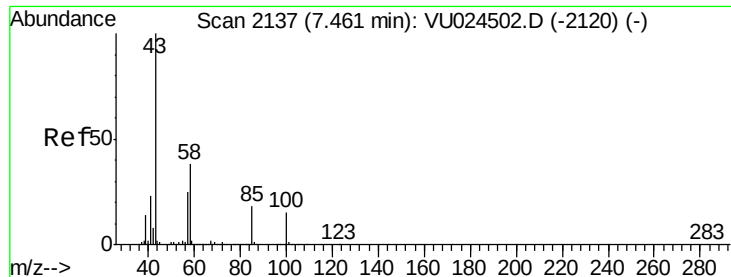
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#50
Toluene-d8
Concen: 46.14 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 110.56 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 43 Resp: 406705

Ion Ratio Lower Upper

43 100

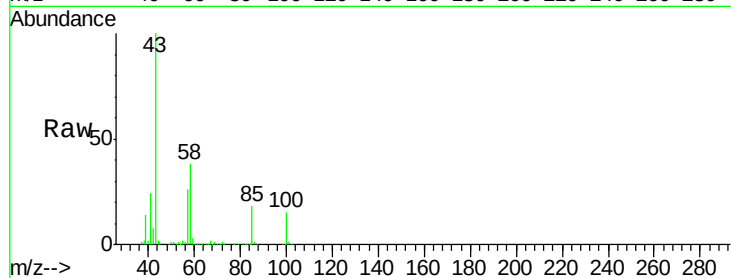
58 38.4 30.0 45.0

Manual Integrations

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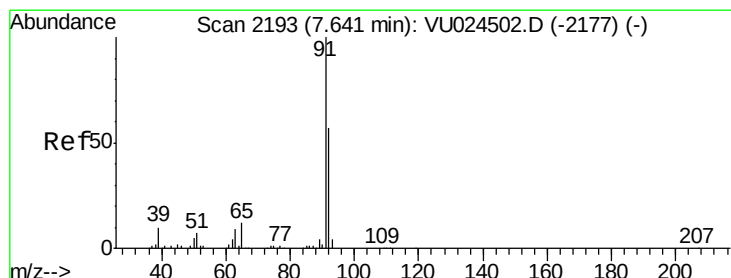
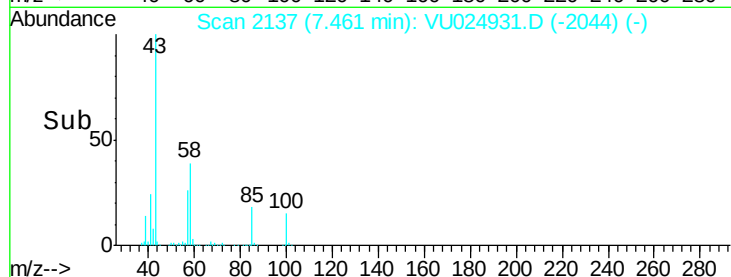
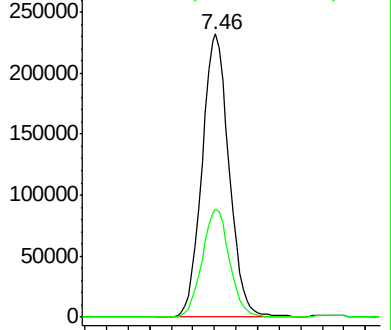
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.35 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024931.D

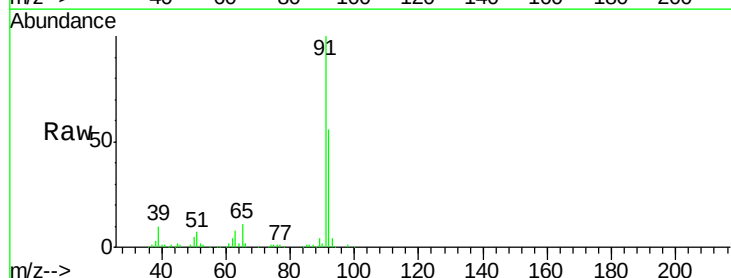
Acq: 26 Jun 2018 19:55

Tgt Ion: 92 Resp: 115926

Ion Ratio Lower Upper

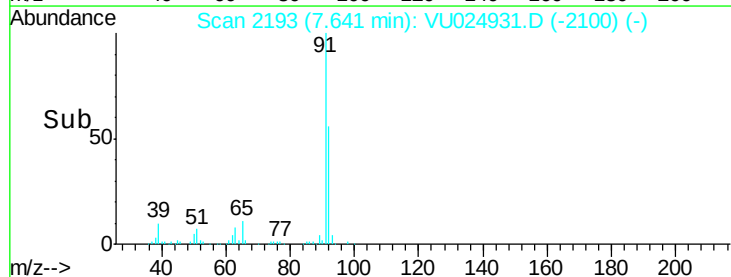
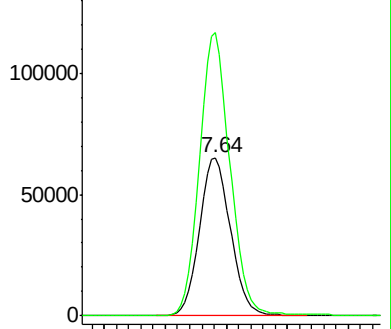
92 100

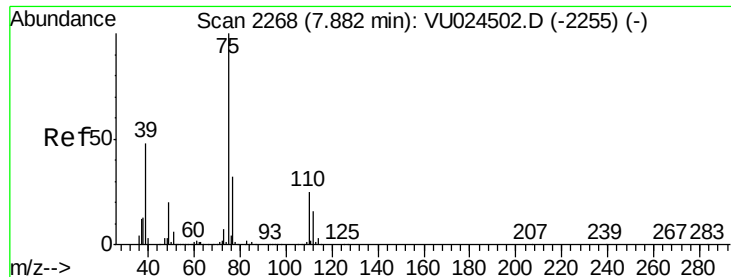
91 175.3 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 19.65 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleID :

VU0627MBSD01

Tot Ion: 75 Resp: 72940

Ion Ratio Lower Upper

75 100

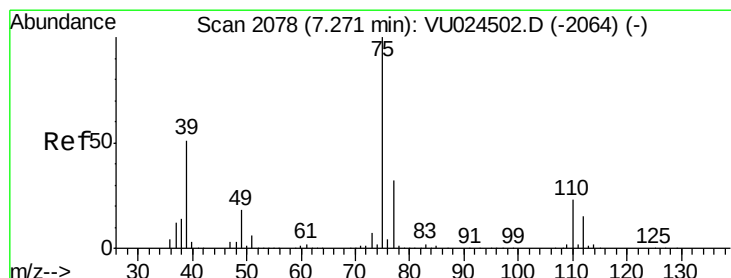
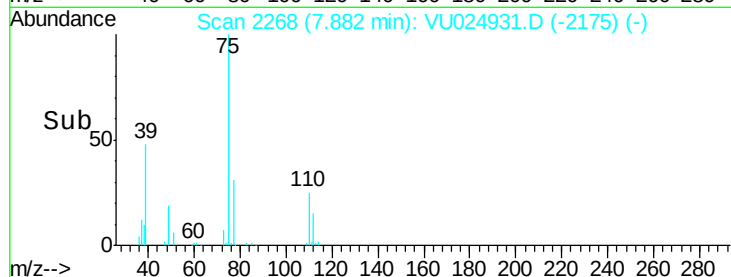
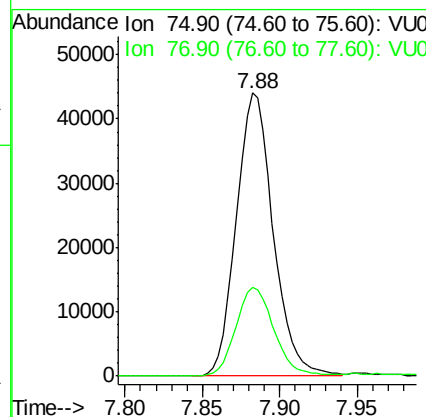
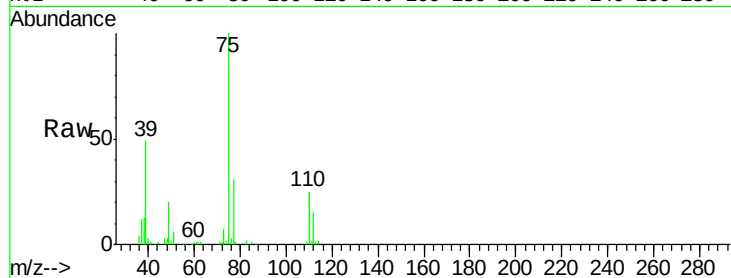
77 31.4 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.07 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

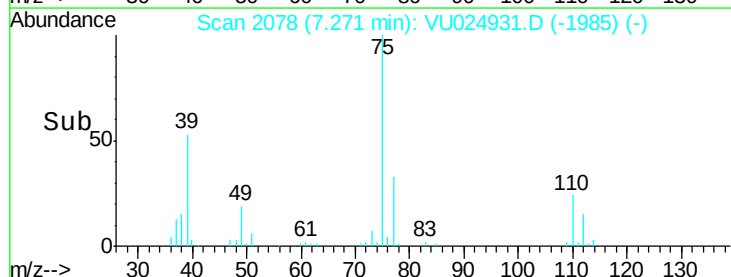
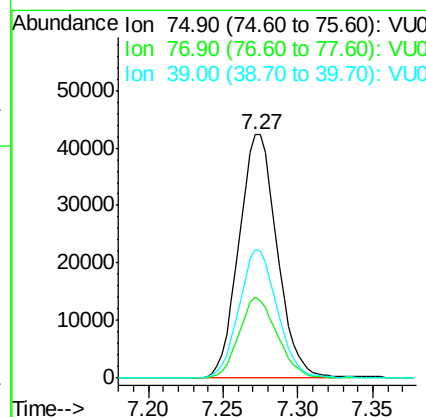
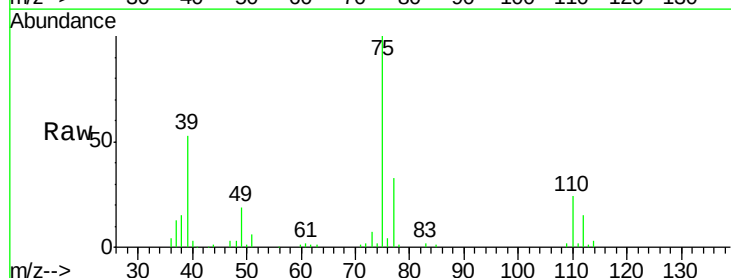
Tgt Ion: 75 Resp: 75424

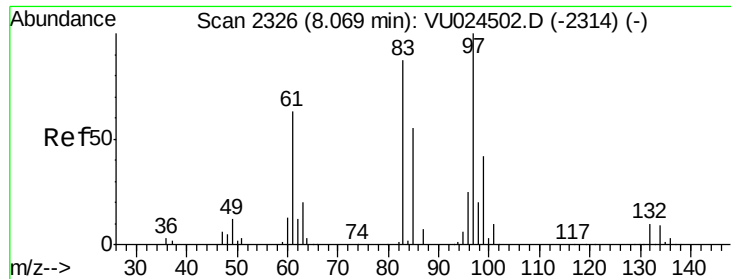
Ion Ratio Lower Upper

75 100

77 33.2 24.6 36.8

39 53.0 39.8 59.6





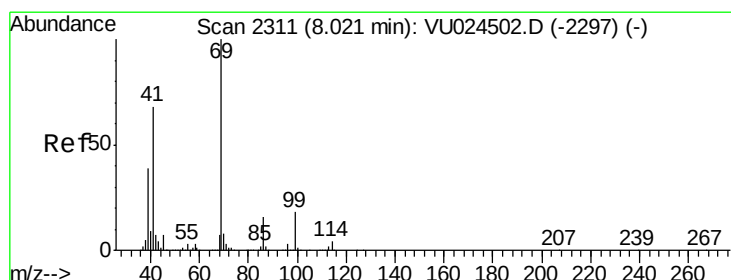
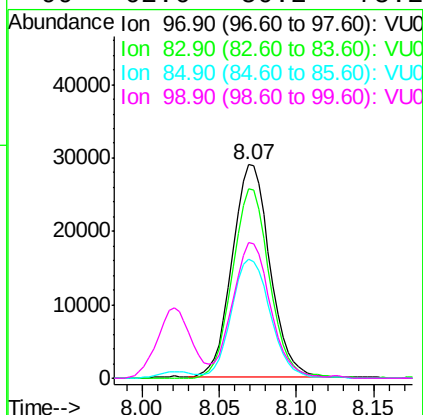
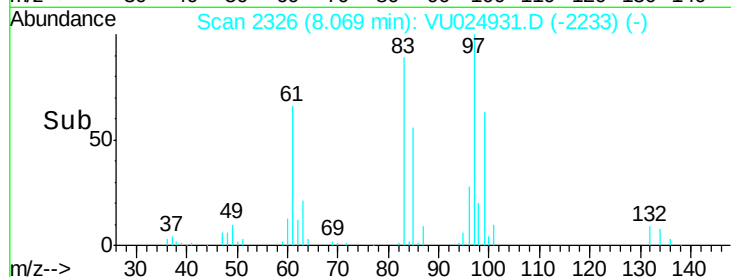
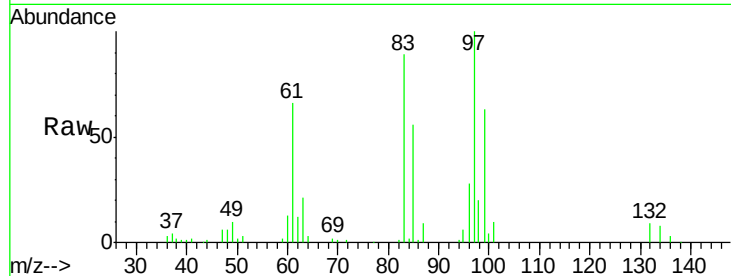
#55
 1,1,2-Trichloroethane
 Concen: 21.34 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion:	97	Resp:	49416
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.5	105.7
85	55.7	46.4	69.6
99	62.6	50.2	75.2

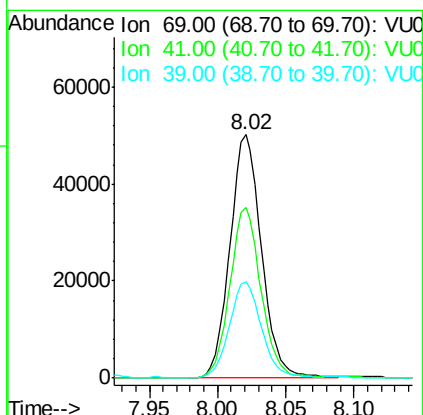
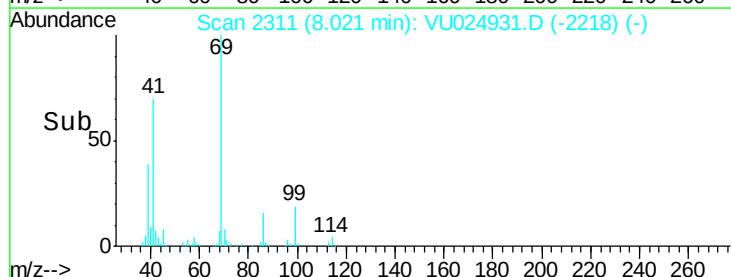
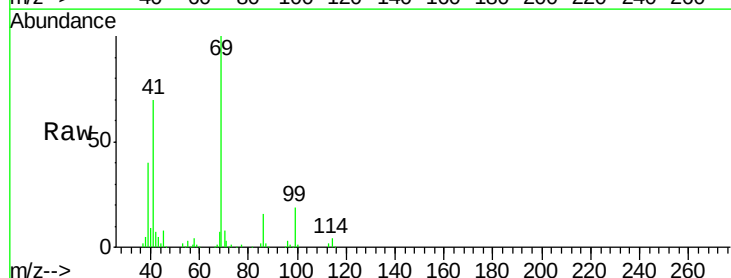
Manual Integrations
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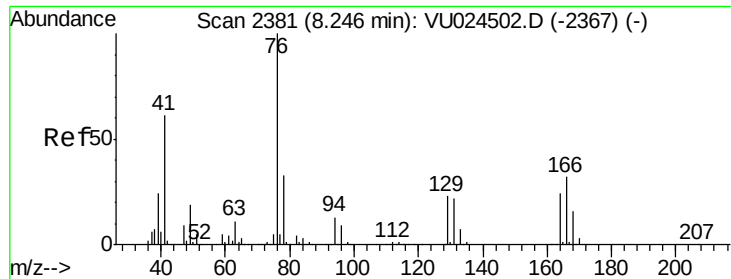
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#56
 Ethyl methacrylate
 Concen: 20.82 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion:	69	Resp:	80701
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.1	81.1
39	39.3	30.3	45.5





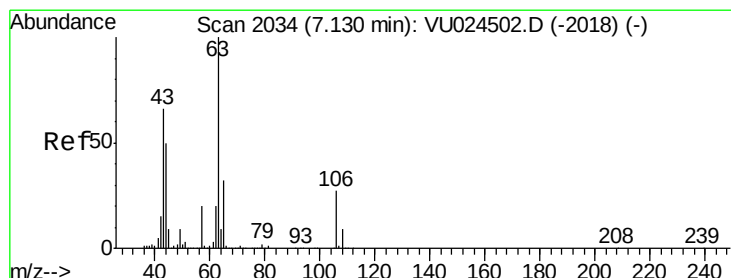
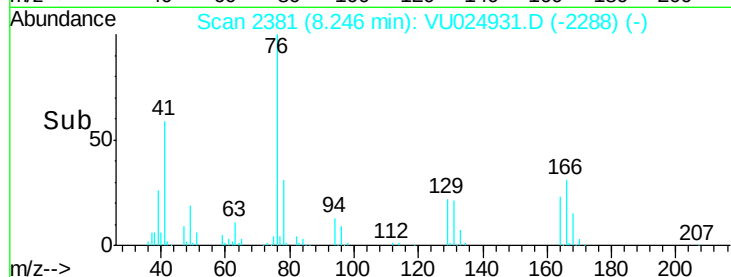
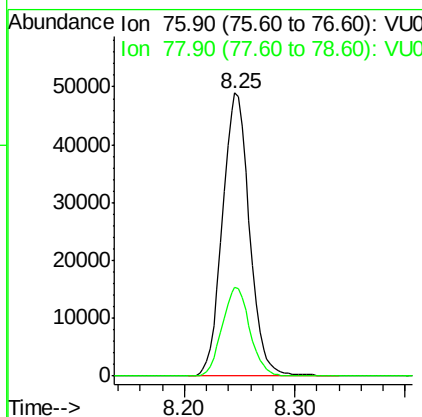
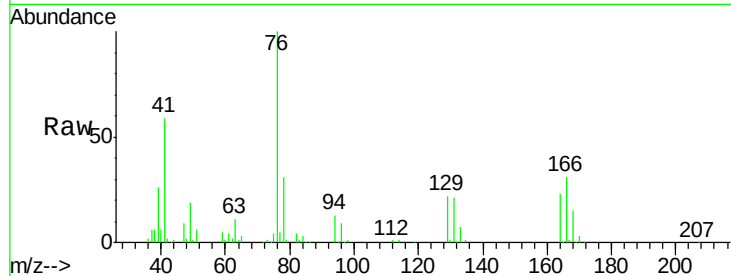
#57
 1,3-Dichloropropane
 Concen: 21.38 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion: 76 Resp: 83517
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

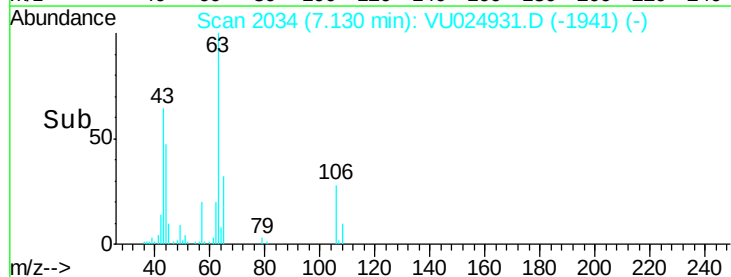
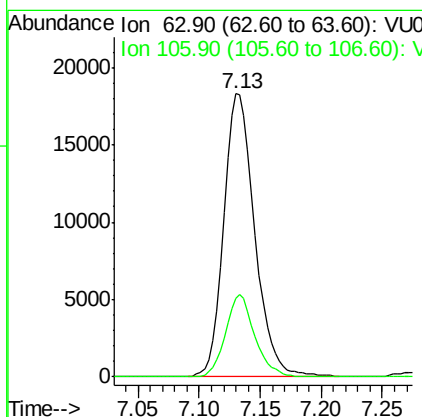
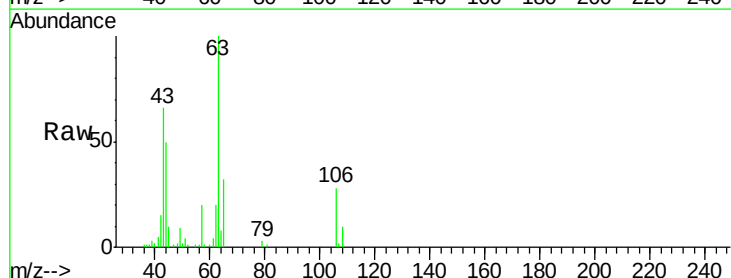
Manual Integrations
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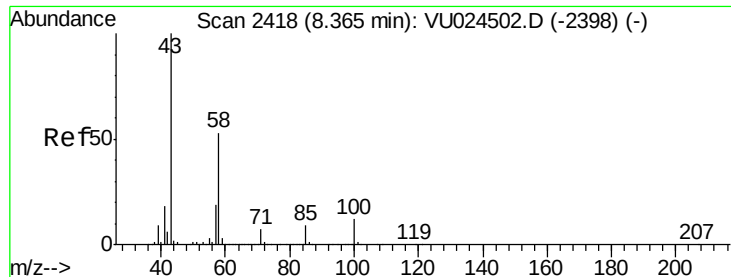
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#58
 2-Chloroethyl Vinyl ether
 Concen: 21.98 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion: 63 Resp: 32647
 Ion Ratio Lower Upper
 63 100
 106 27.2 20.2 30.2





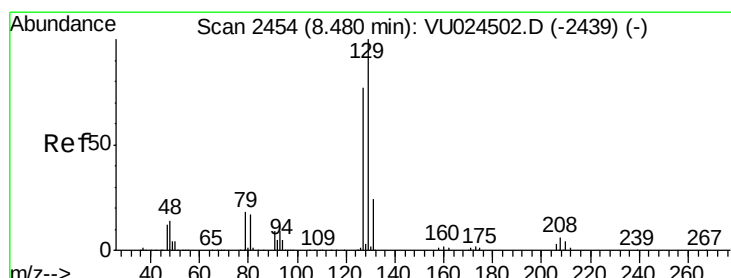
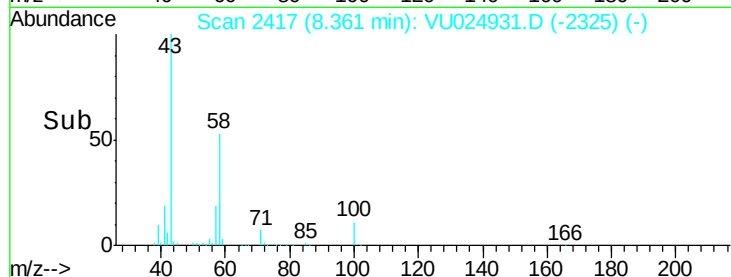
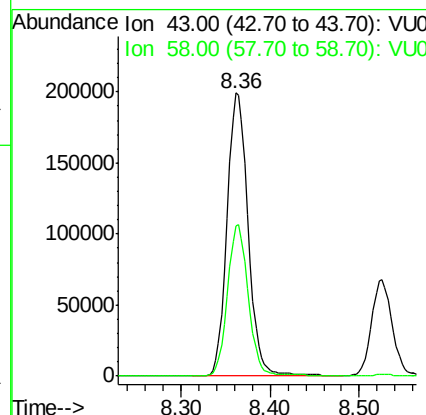
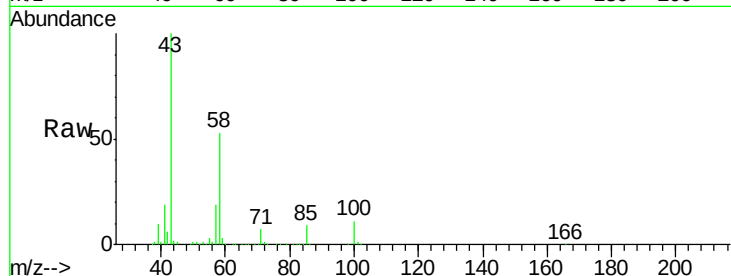
#59
2-Hexanone
Concen: 109.09 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion: 43 Resp: 327638
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0

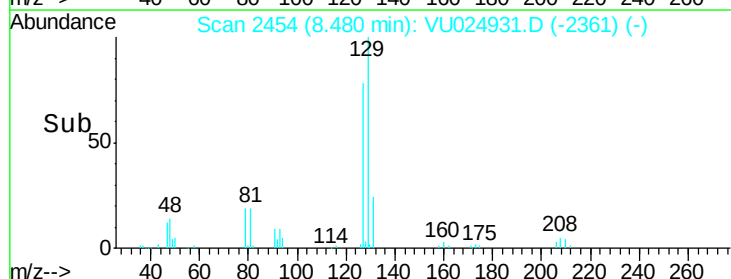
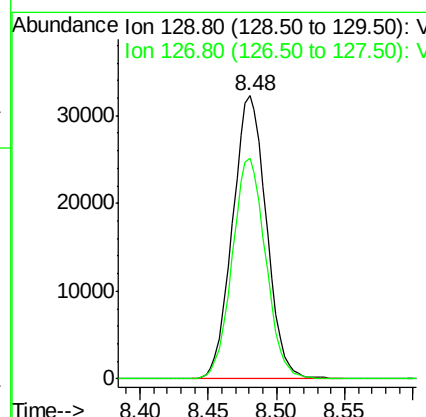
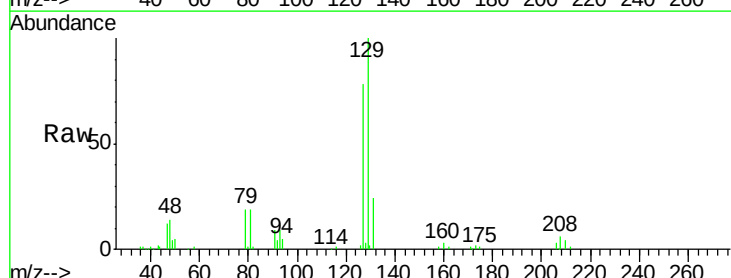
Manual Integrations
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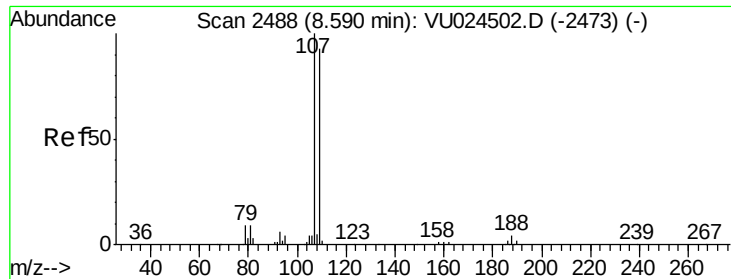
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#60
Dibromochloromethane
Concen: 19.22 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion:129 Resp: 55499
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





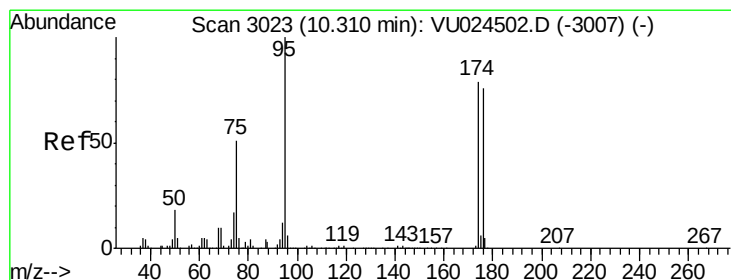
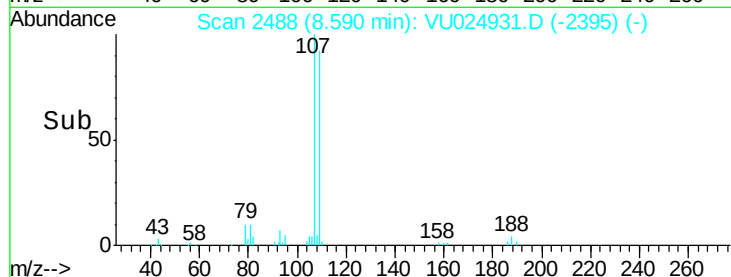
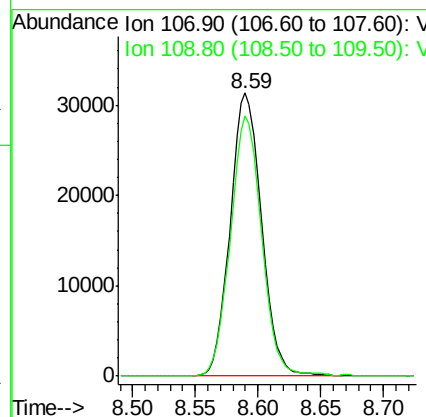
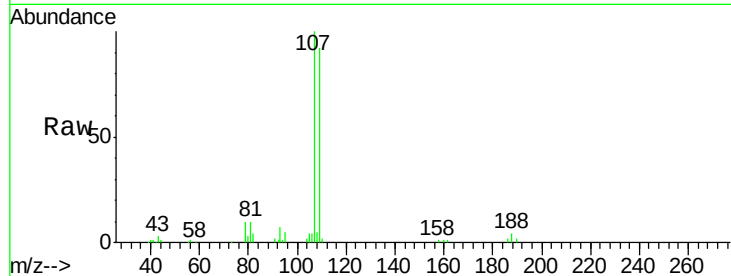
#61
 1,2-Dibromoethane
 Concen: 21.08 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.5	111.7

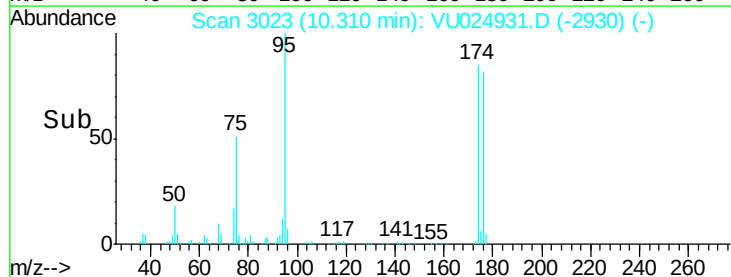
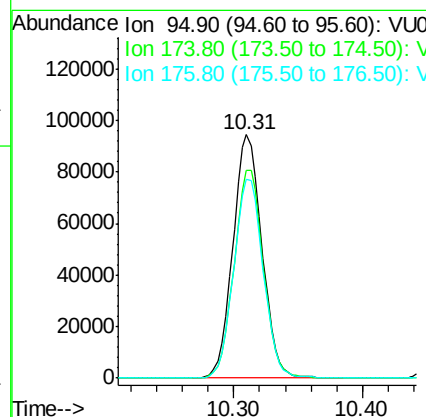
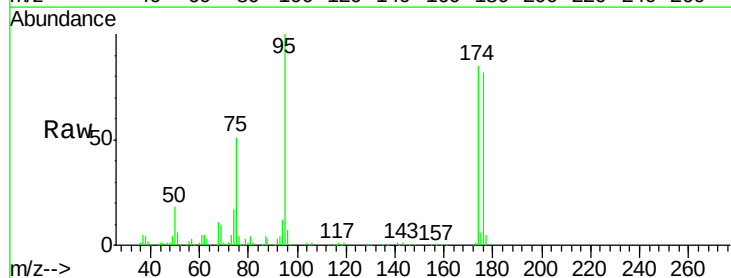
Manual Integrations
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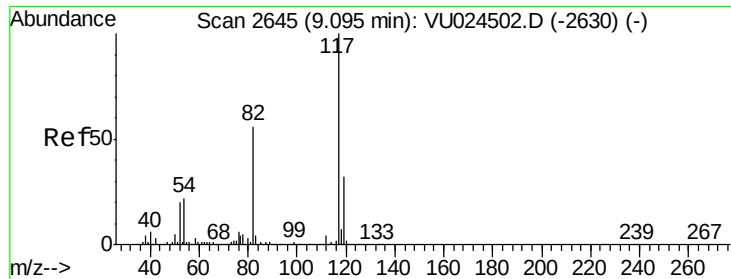
apatel
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#62
 4-Bromofluorobenzene
 Concen: 46.28 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.1	0.0	165.8
176	83.2	0.0	159.4





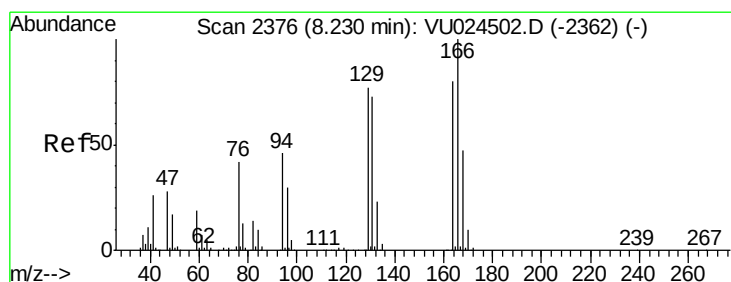
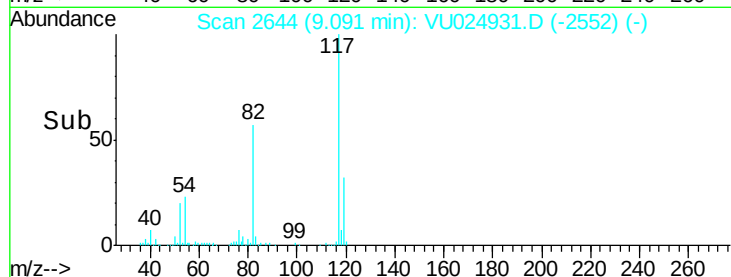
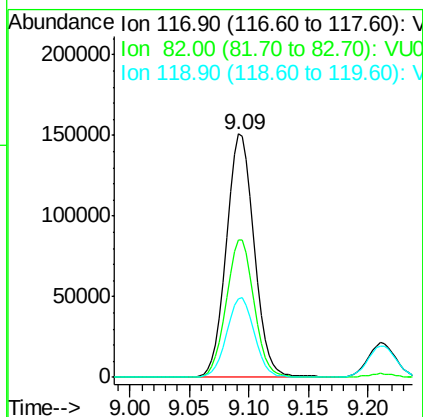
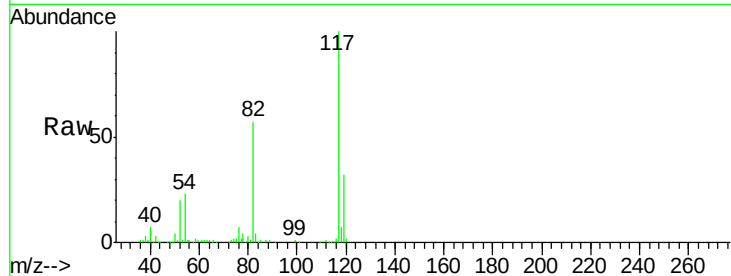
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	245201		
82	56.6	44.3	66.5	
119	32.5	25.4	38.2	

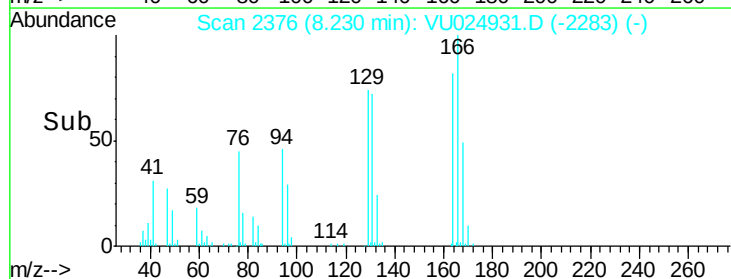
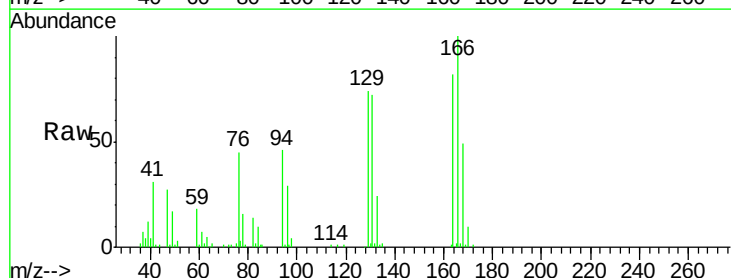
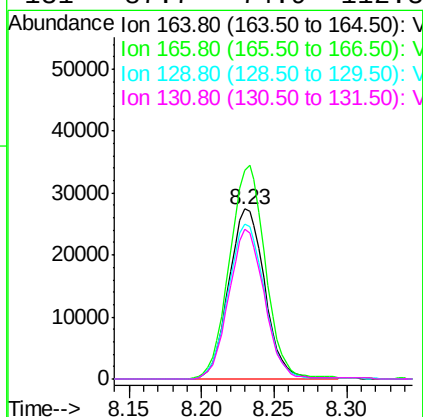
Manual Integrations
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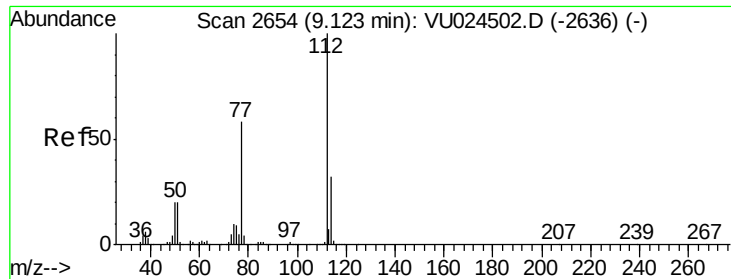
apatel
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#64
Tetrachloroethene
Concen: 20.30 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47311		
166	122.4	101.7	152.5	
129	91.1	76.9	115.3	
131	87.7	74.9	112.3	





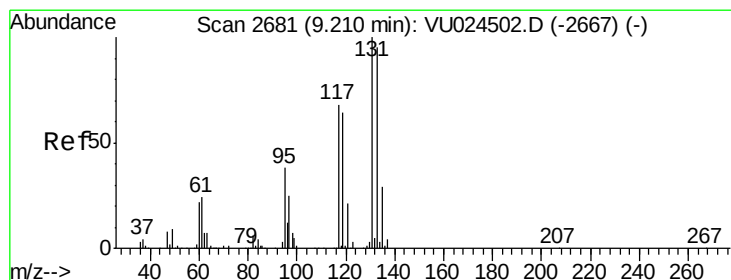
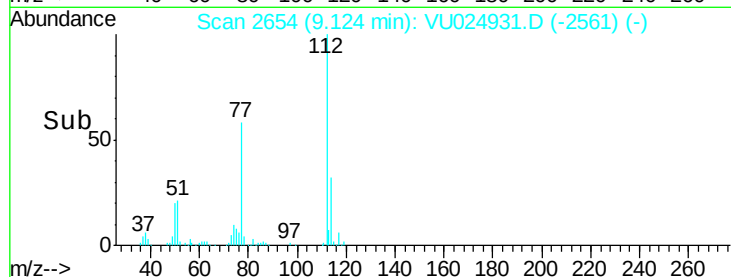
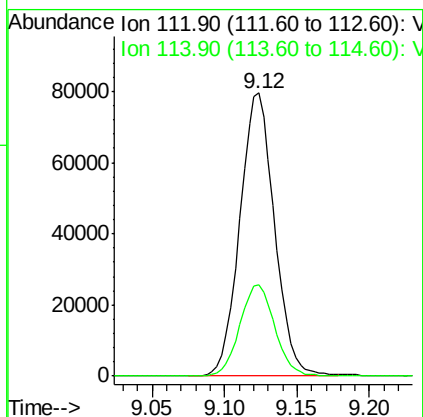
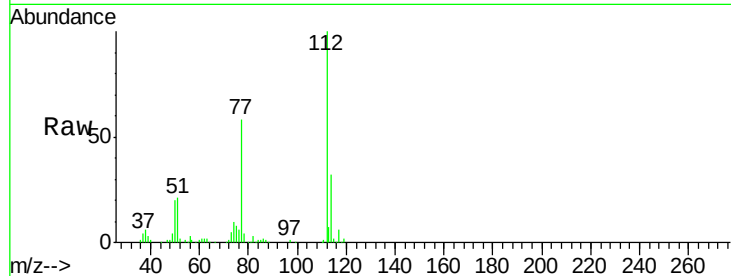
#65
Chlorobenzene
Concen: 21.11 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.6	38.4

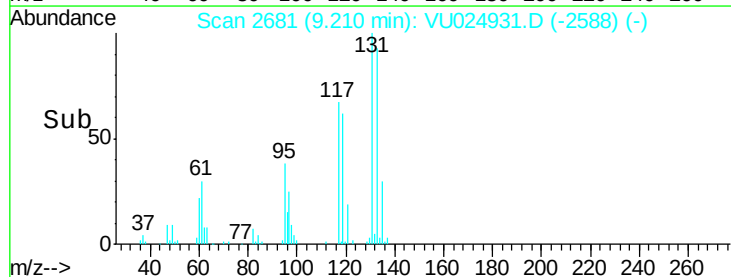
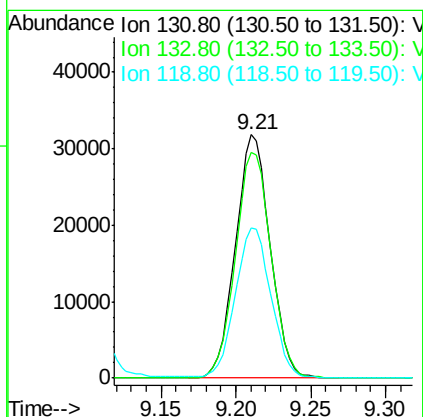
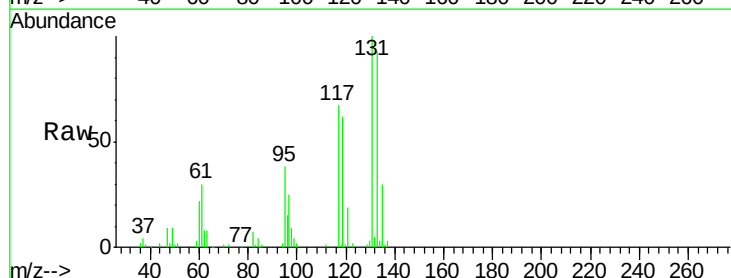
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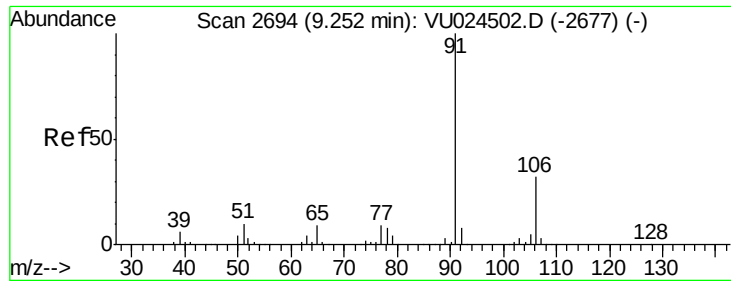
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.59 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	46.9	140.8
119	63.6	33.5	100.4





#67

Ethyl Benzene

Concen: 21.21 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 91 Resp: 232904

Ion Ratio Lower Upper

91 100

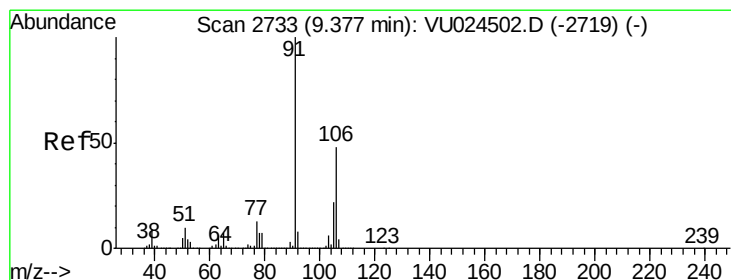
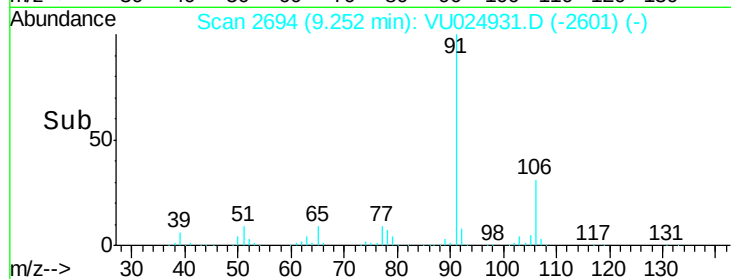
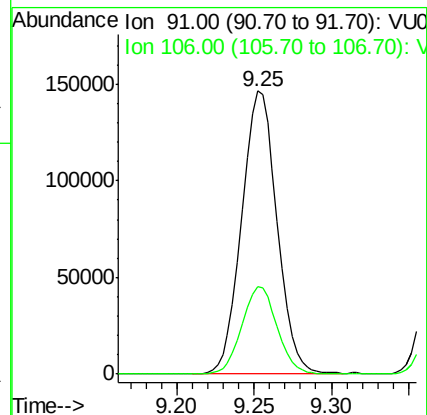
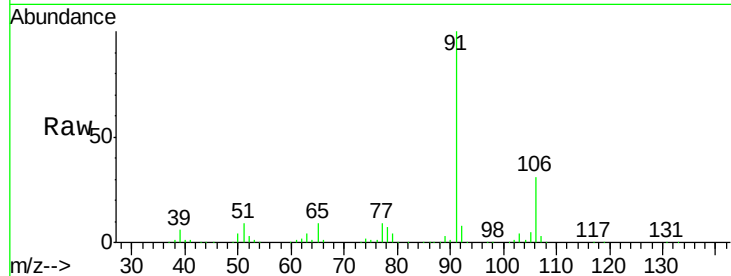
106 30.8 24.2 36.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 42.54 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024931.D

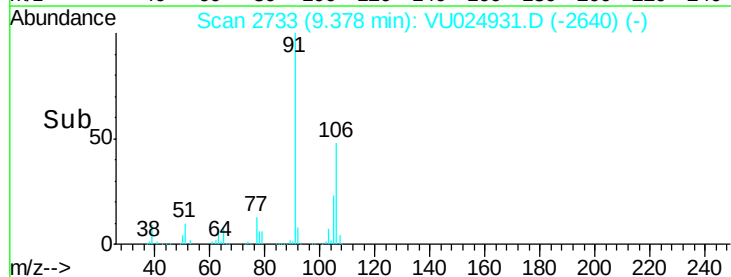
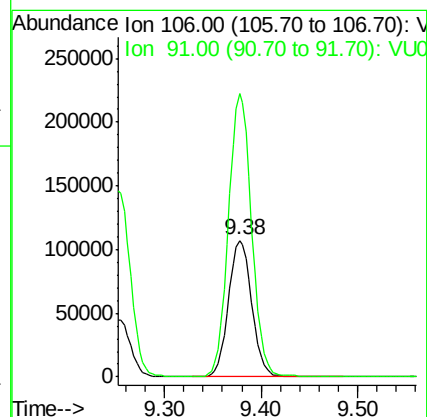
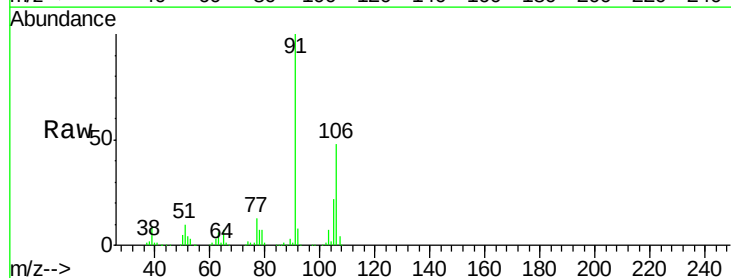
Acq: 26 Jun 2018 19:55

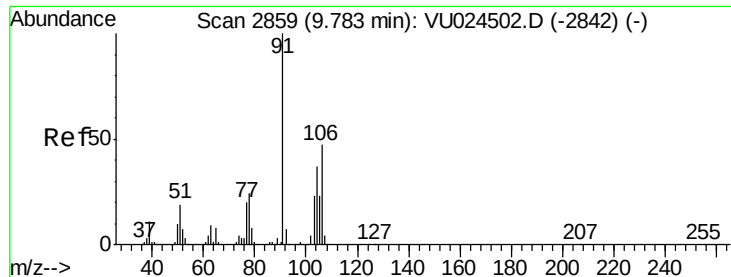
Tgt Ion: 106 Resp: 179382

Ion Ratio Lower Upper

106 100

91 206.4 166.5 249.7





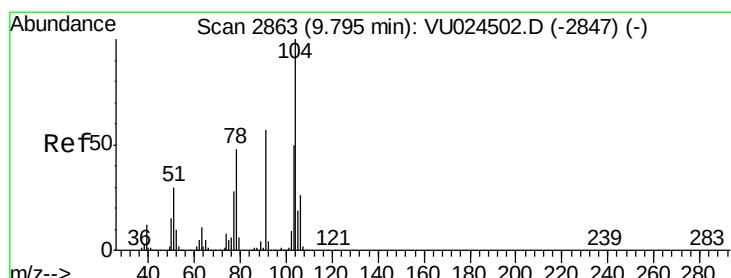
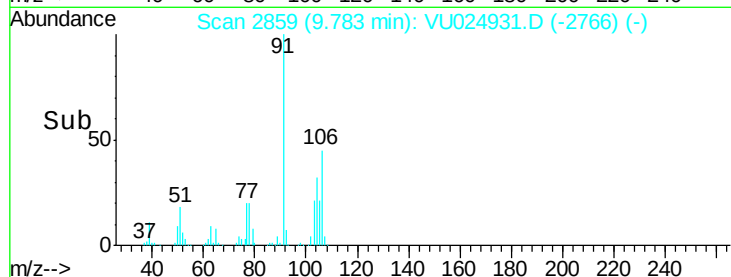
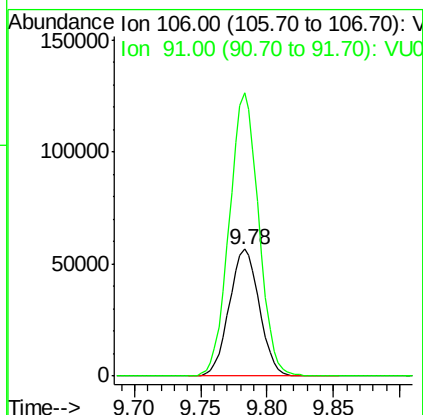
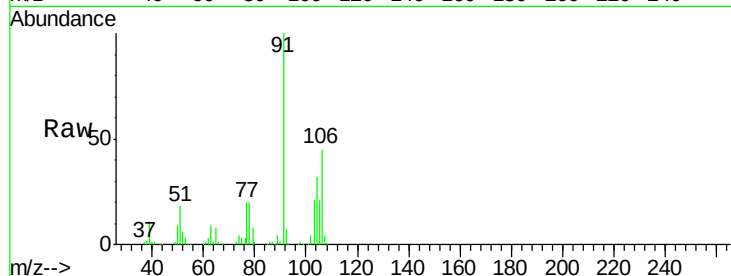
#69
o-Xylene
Concen: 21.42 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.5	110.7	331.9	

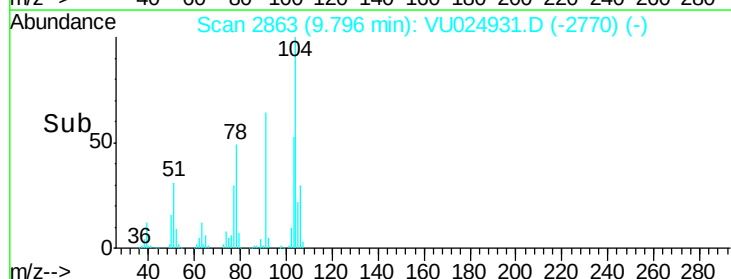
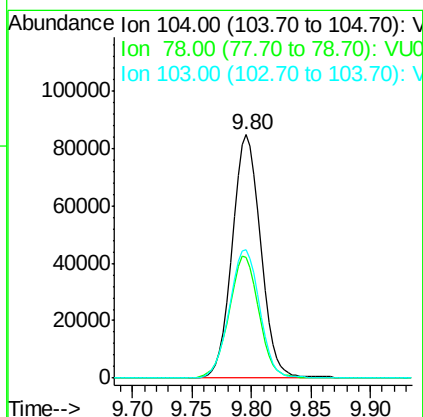
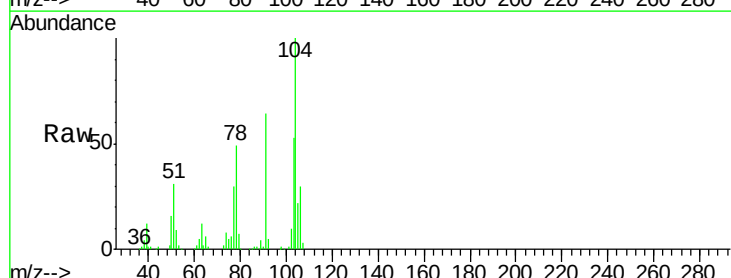
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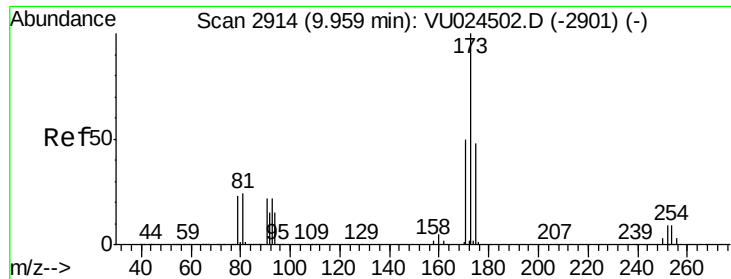
apatel
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#70
Styrene
Concen: 20.65 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.4	40.6	60.8	
103	56.0	44.7	67.1	





#71

Bromoform

Concen: 18.82 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

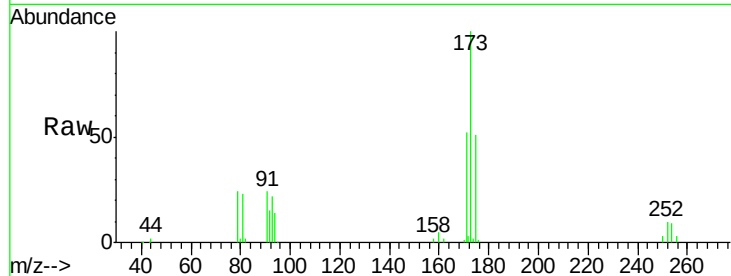
ClientSampleId :

VU0627MBSD01

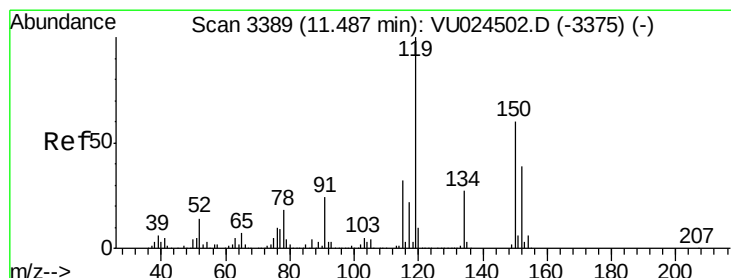
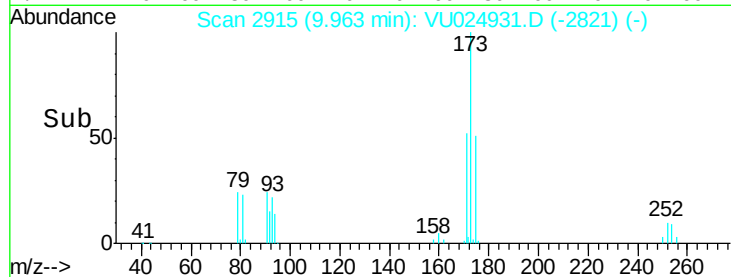
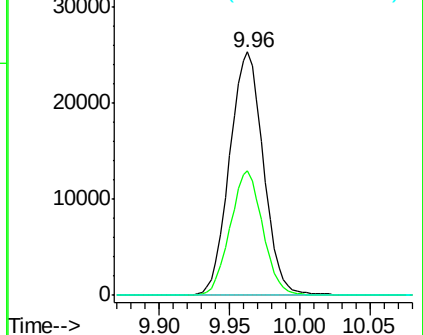
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	74.0
254	0.0	0.0	0.0

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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

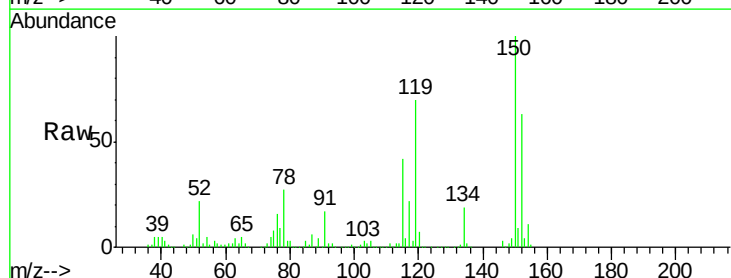
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

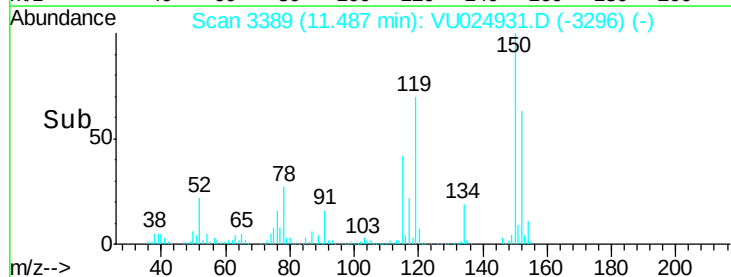
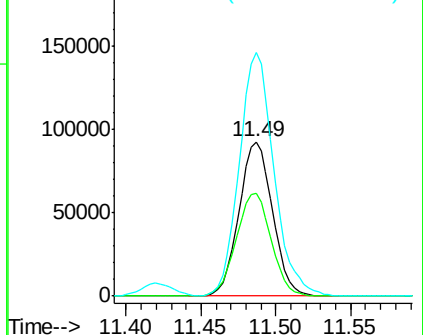
Lab File: VU024931.D

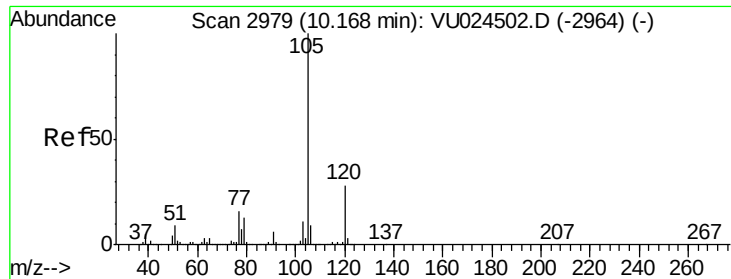
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.4	43.0	129.0
150	163.4	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: 21.64 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampled :

VU0627MBSD01

Tot Ion:105 Resp: 239295

Ion Ratio Lower Upper

105 100

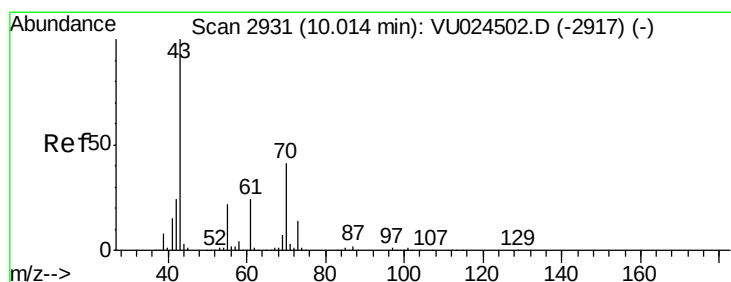
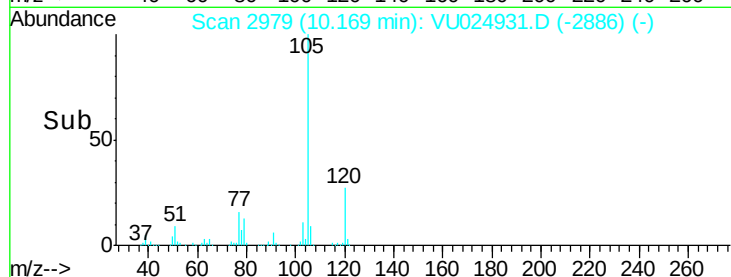
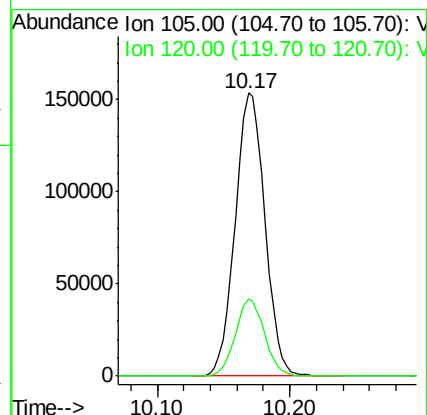
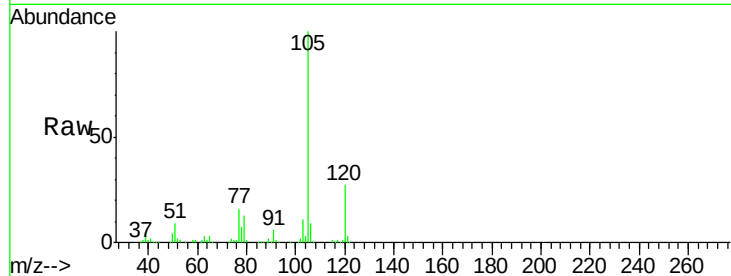
120 26.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.20 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion: 43 Resp: 106216

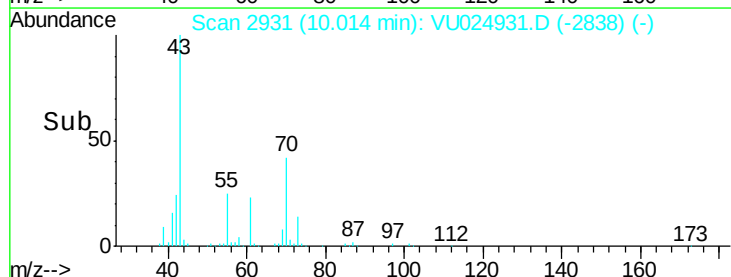
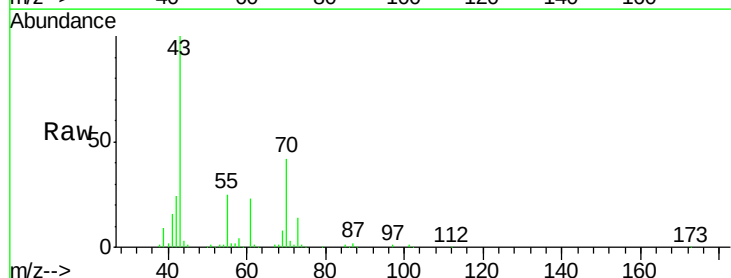
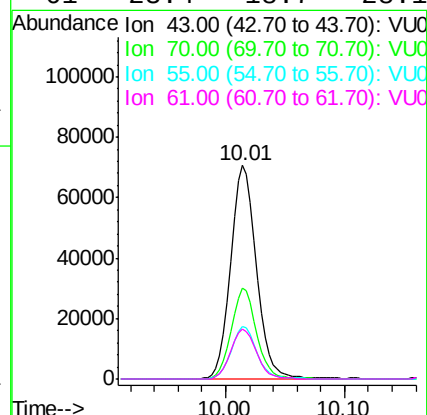
Ion Ratio Lower Upper

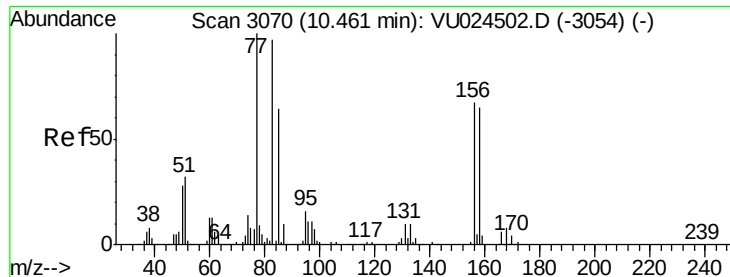
43 100

70 41.4 32.2 48.4

55 24.5 20.5 30.7

61 23.4 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.68 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 83 Resp: 84026

Ion Ratio Lower Upper

83 100

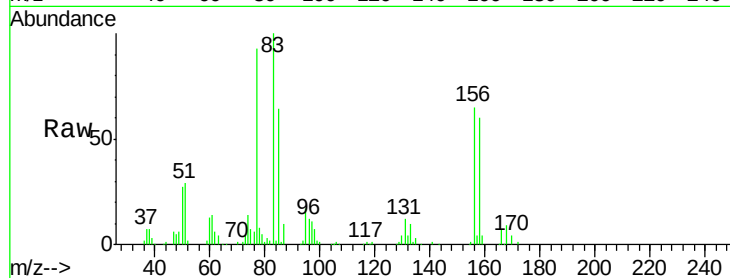
131 10.9 4.7 14.1

85 65.6 32.5 97.5

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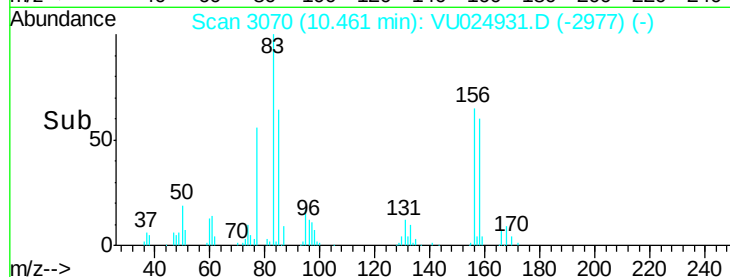


Abundance Ion 82.90 (82.60 to 83.60): VU024931.D (-2977) (-)

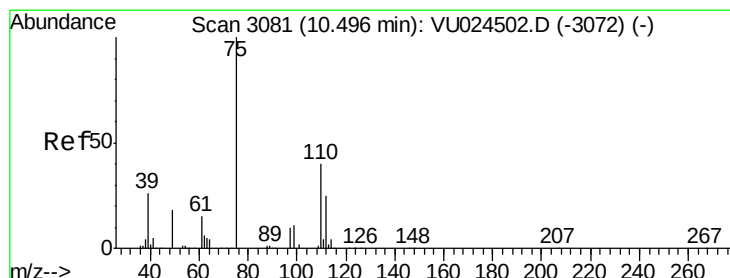
Ion 130.80 (130.50 to 131.50): VU024931.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU024931.D (-2977) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.96 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024931.D

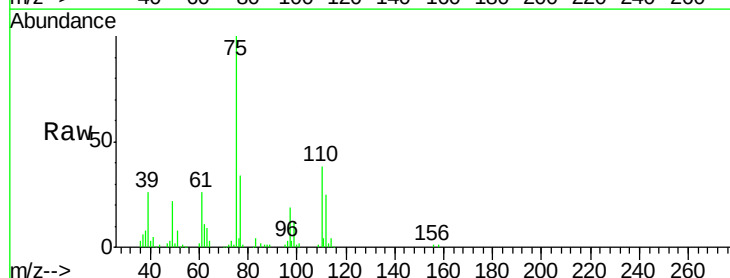
Acq: 26 Jun 2018 19:55

Tgt Ion: 75 Resp: 72796

Ion Ratio Lower Upper

75 100

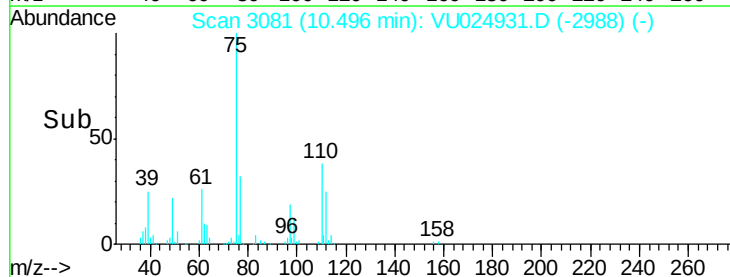
77 43.6 20.9 62.7



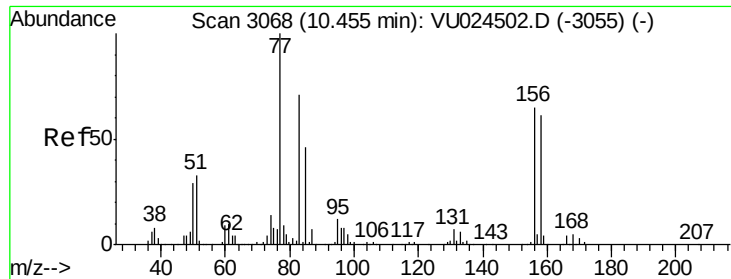
Abundance Ion 74.90 (74.60 to 75.60): VU024931.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU024931.D (-2988) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 22.05 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

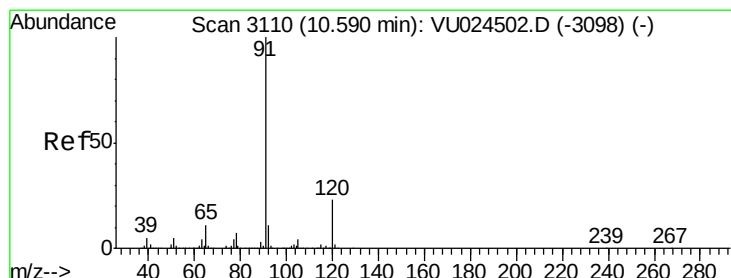
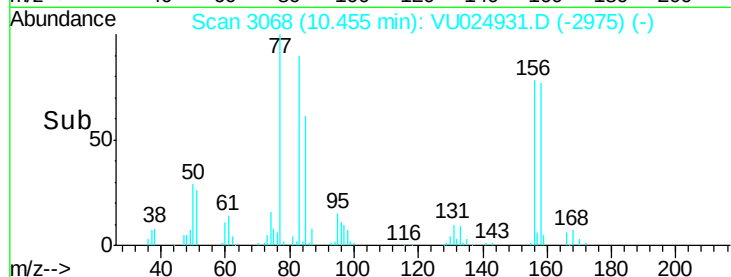
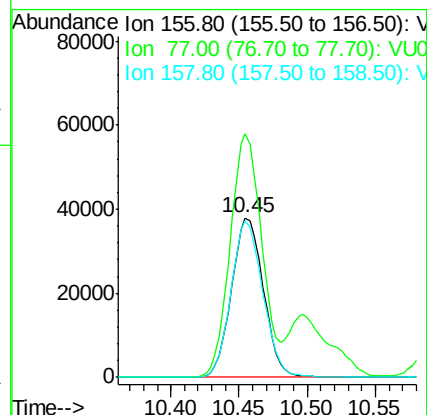
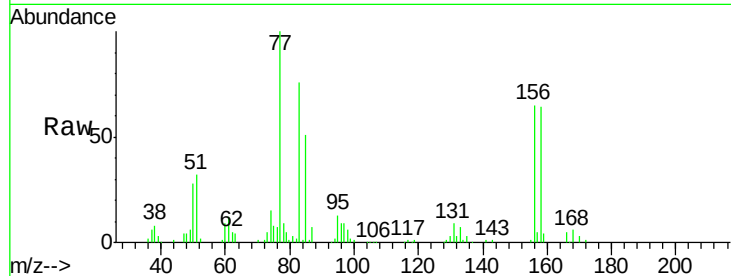
ClientSampleId :

VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.9	80.5	241.3
158	97.8	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.53 ug/l

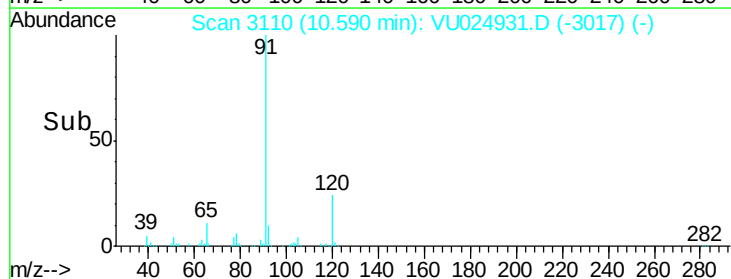
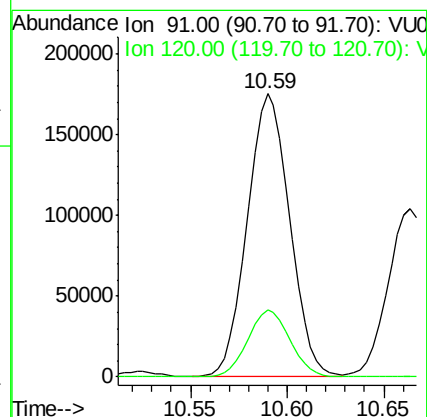
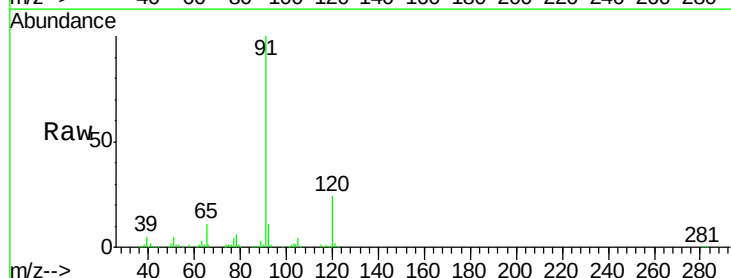
RT: 10.59 min Scan# 3110

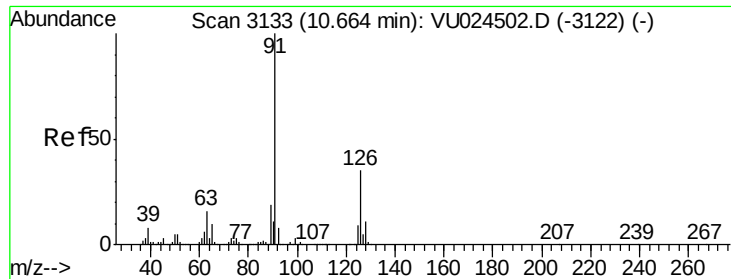
Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.61 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion: 91 Resp: 165978

Ion Ratio Lower Upper

91 100

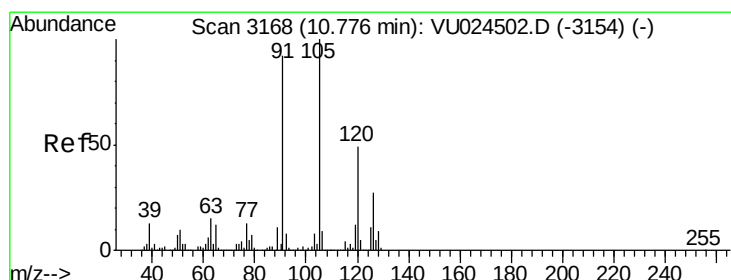
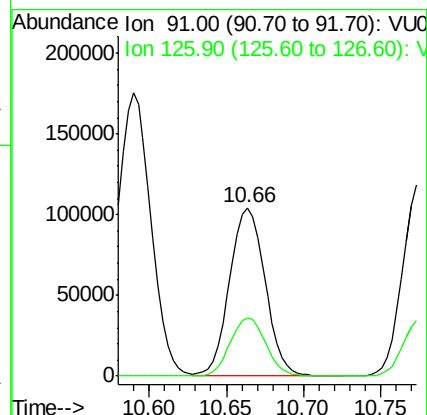
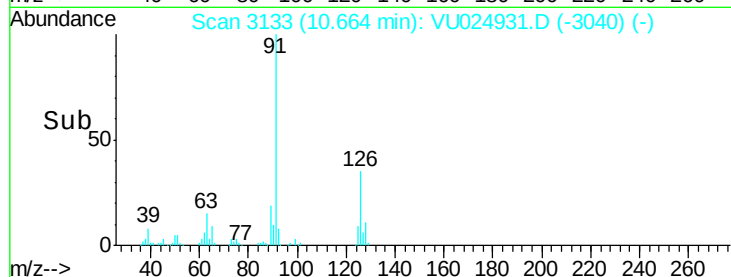
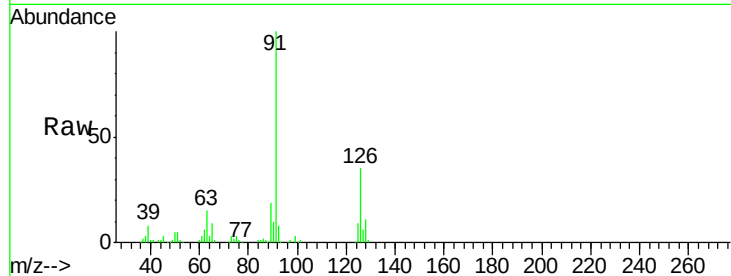
126 34.6 16.9 50.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.34 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024931.D

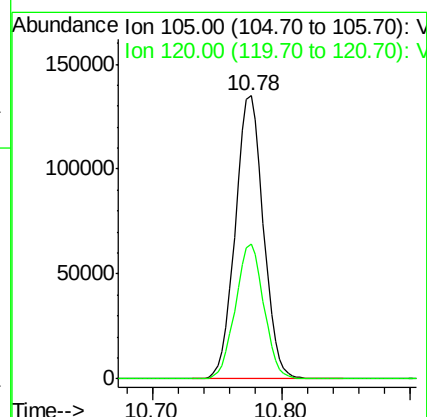
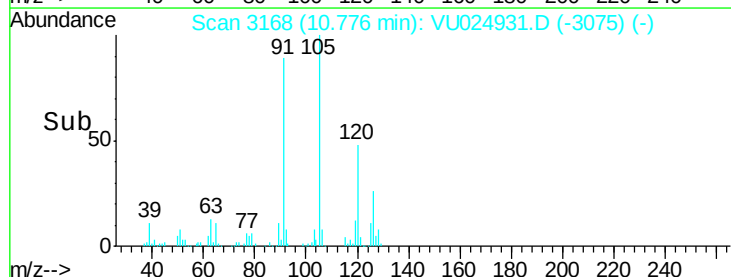
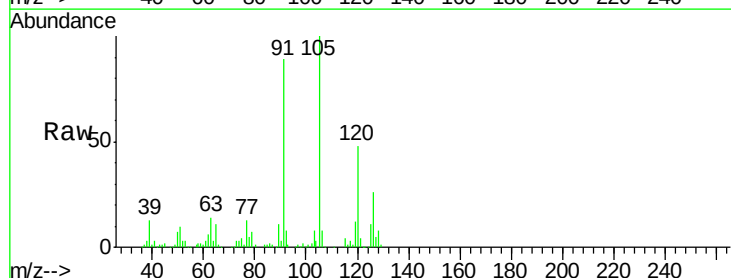
Acq: 26 Jun 2018 19:55

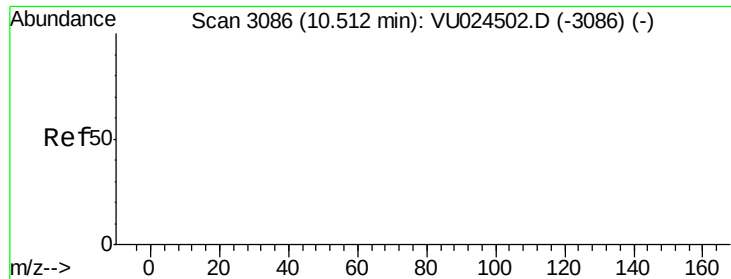
Tgt Ion: 105 Resp: 204489

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2





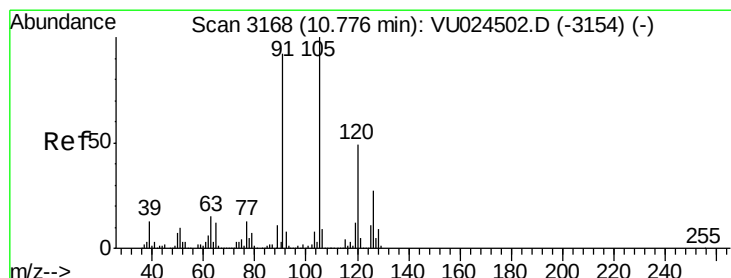
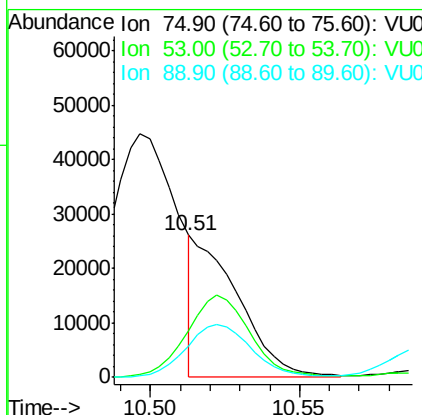
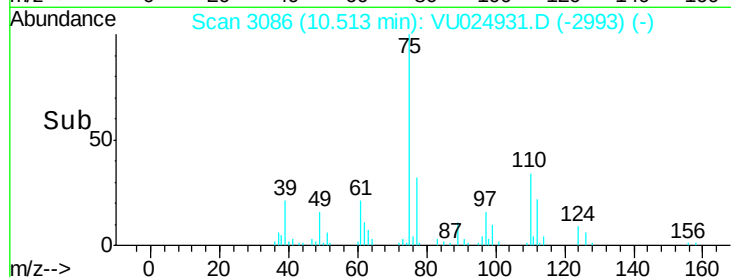
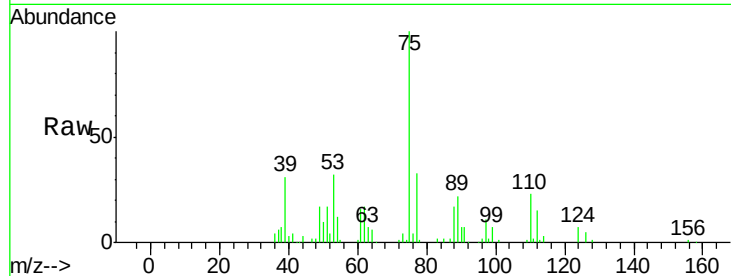
#81
trans-1,4-Dichloro-2-butene
Concen: 19.86 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

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

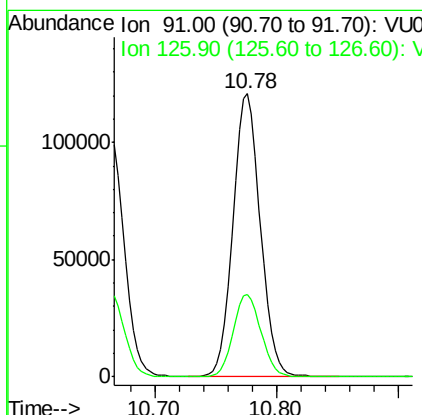
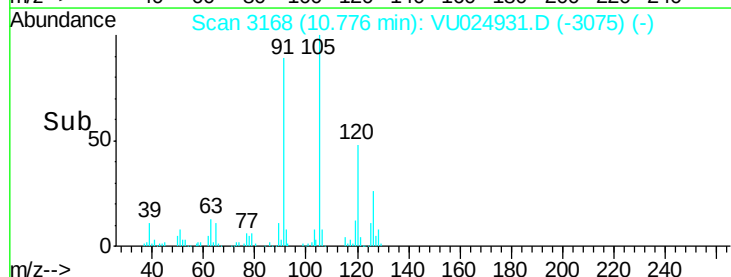
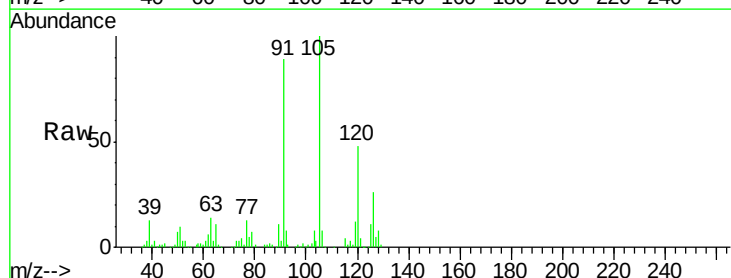
Manual Integrations
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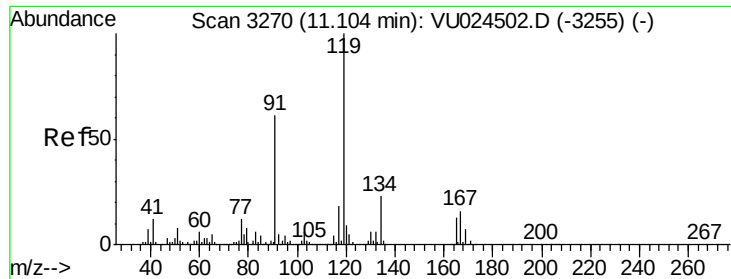
apatel
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#82
4-Chlorotoluene
Concen: 20.90 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.8	14.9	44.9





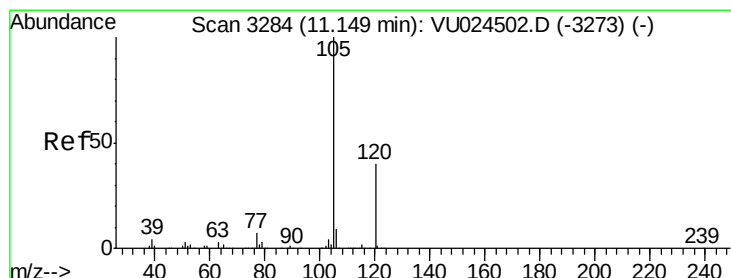
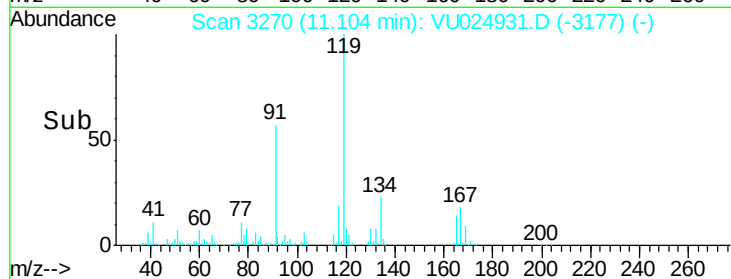
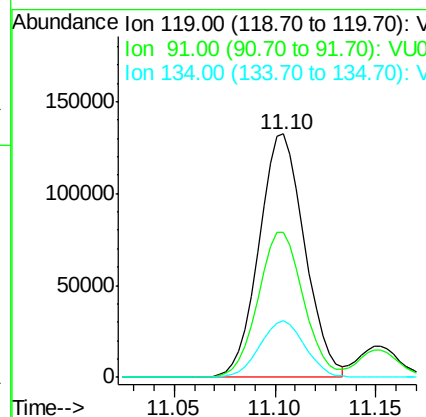
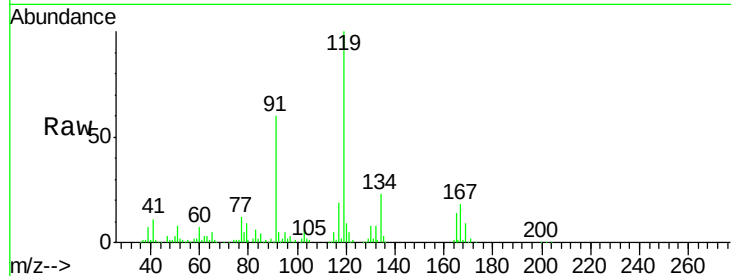
#83
 tert-Butylbenzene
 Concen: 22.68 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	209086		
91	59.5		29.7	89.1
134	22.9		11.6	34.7

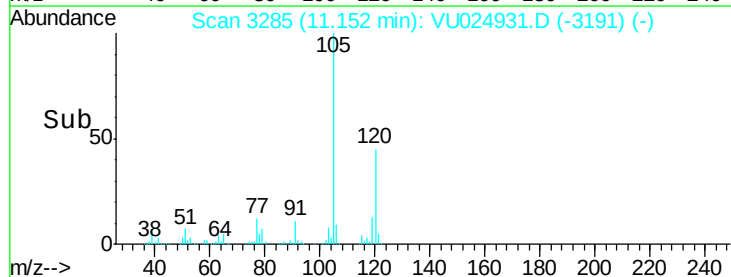
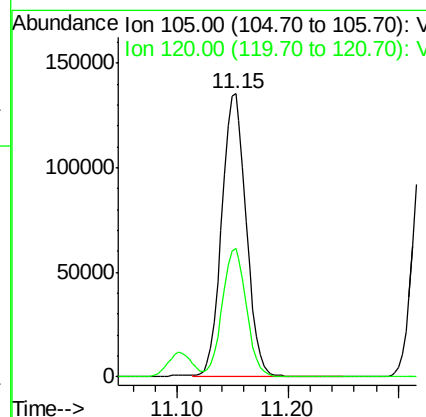
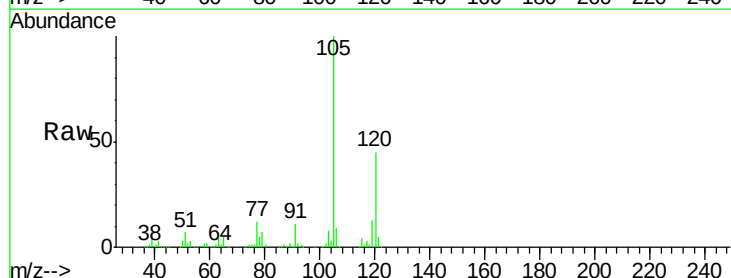
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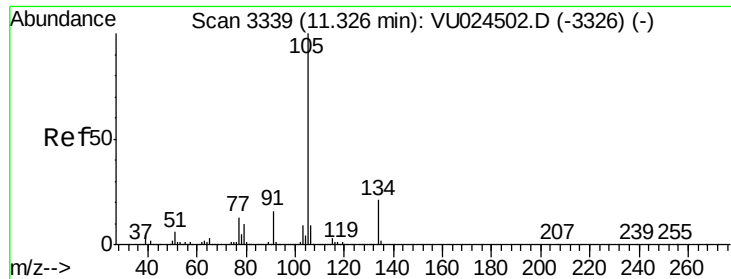
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.28 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207826		
120	44.8		22.6	67.8





#85

sec-Butylbenzene

Concen: 21.22 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

ClientSampleId :

VU0627MBSD01

Tot Ion:105 Resp: 244808

Ion Ratio Lower Upper

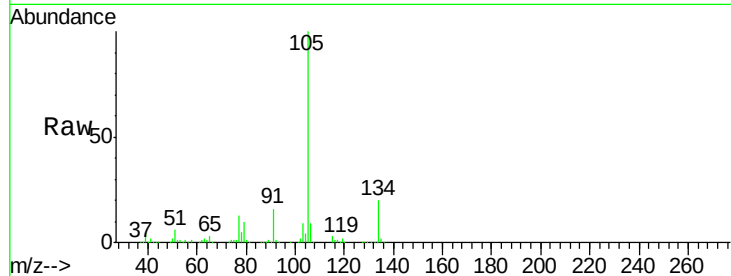
105 100

134 20.0 9.7 29.1

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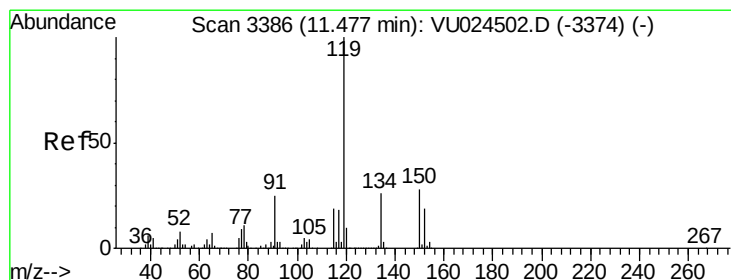
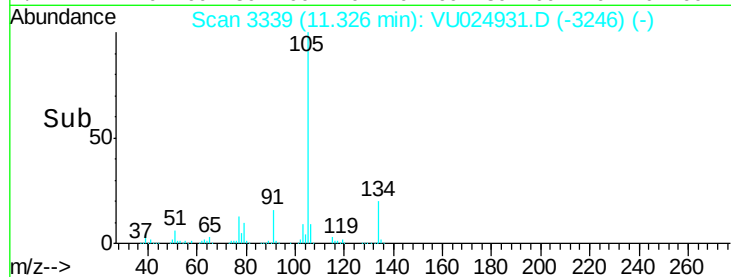
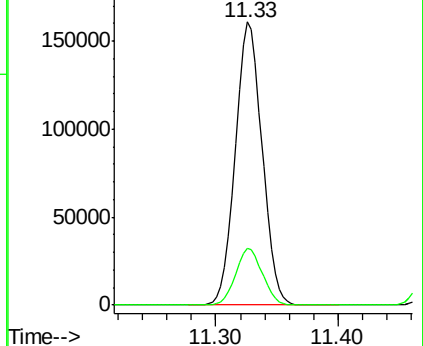
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

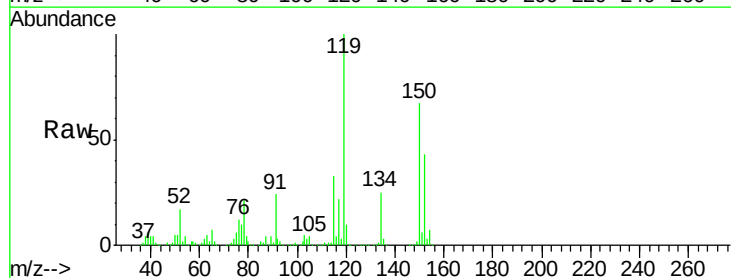
Tgt Ion:119 Resp: 216723

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

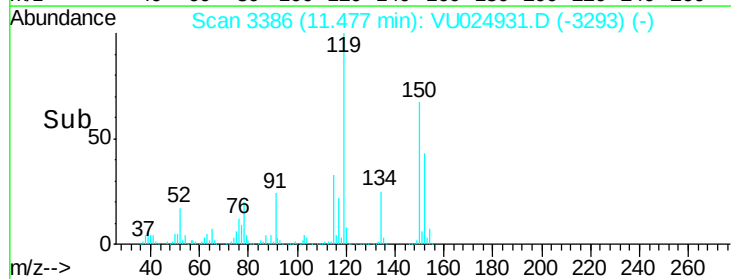
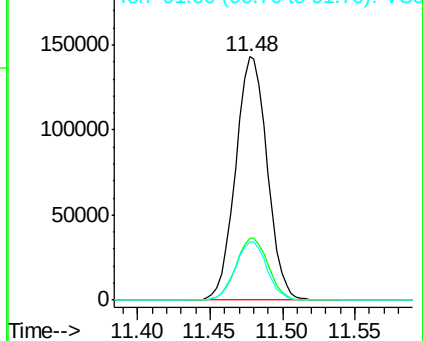
91 24.0 12.0 36.1

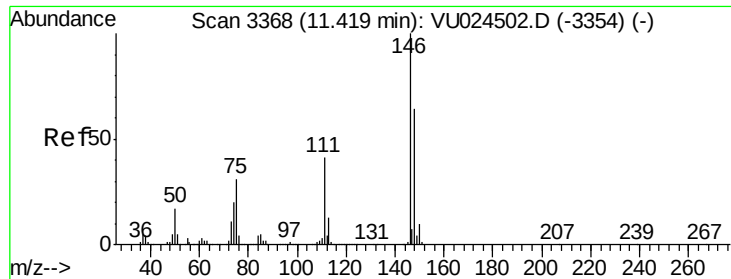


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU





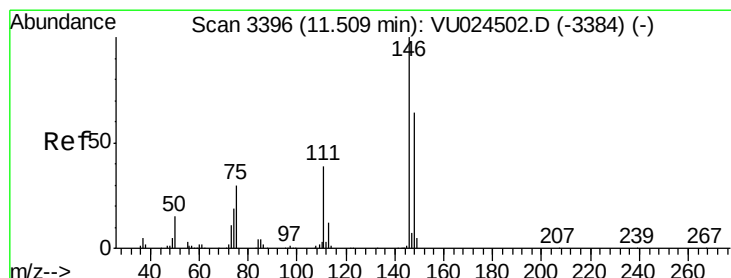
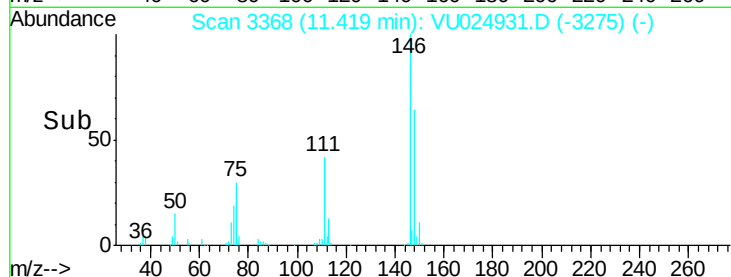
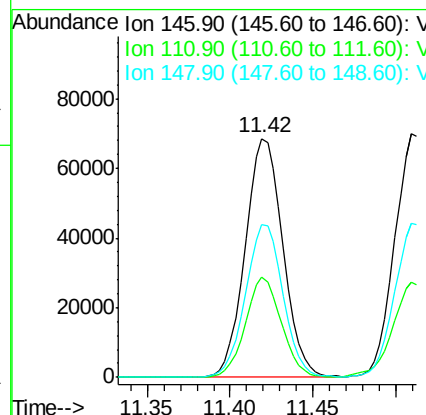
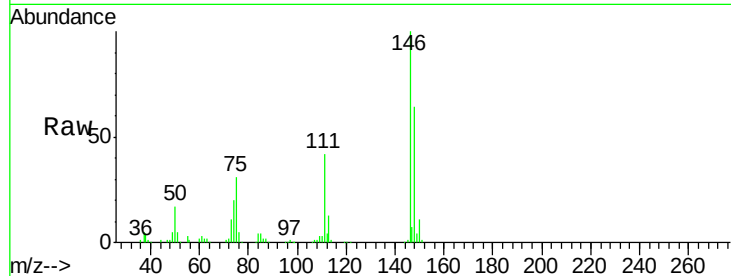
#87
 1,3-Dichlorobenzene
 Concen: 21.01 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.6	32.1	96.5

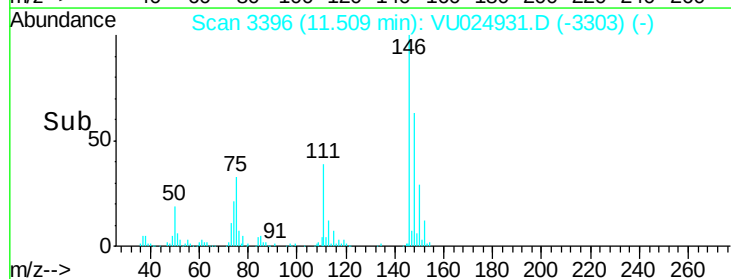
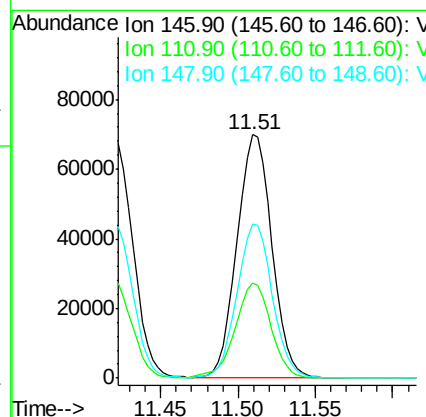
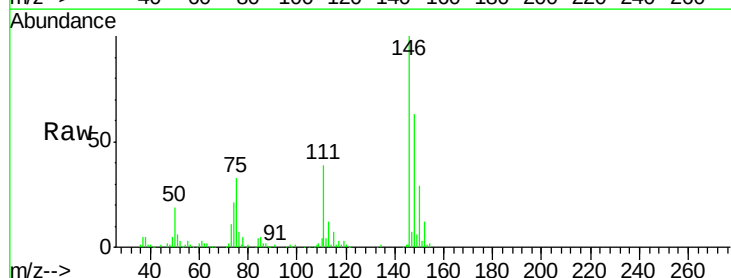
Manual Integrations
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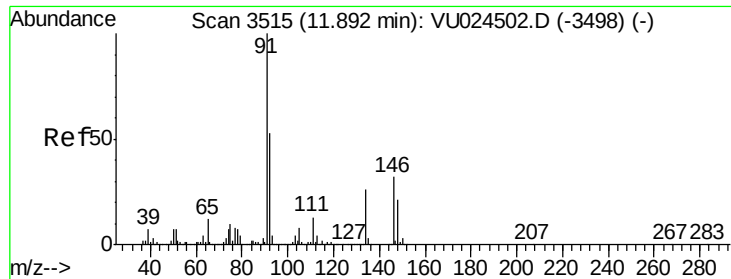
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#88
 1,4-Dichlorobenzene
 Concen: 21.00 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	64.6	32.4	97.0





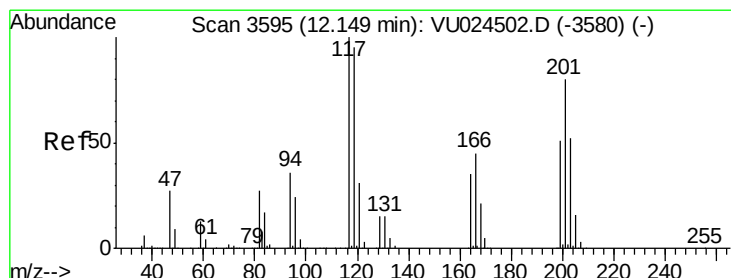
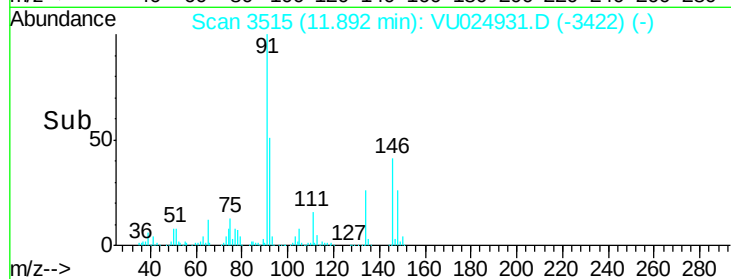
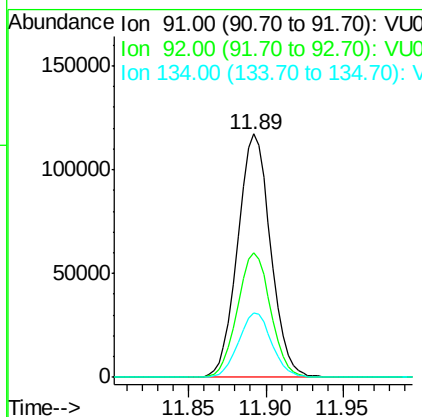
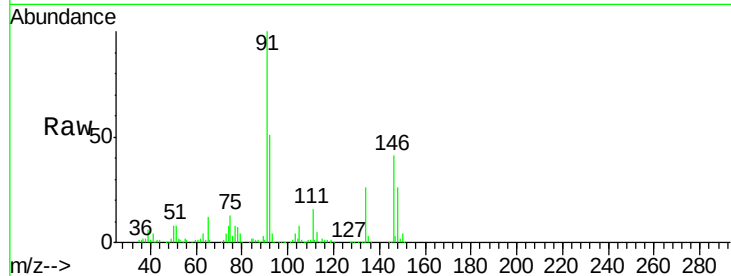
#89
n-Butylbenzene
Concen: 18.92 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Instrument :
MSVOA_U
ClientSampleId :
VU0627MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.6	76.8
134	26.6	12.3	36.8

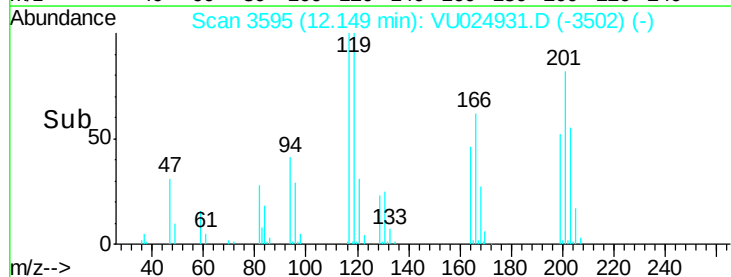
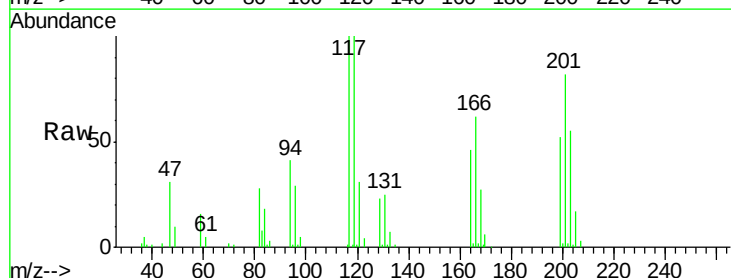
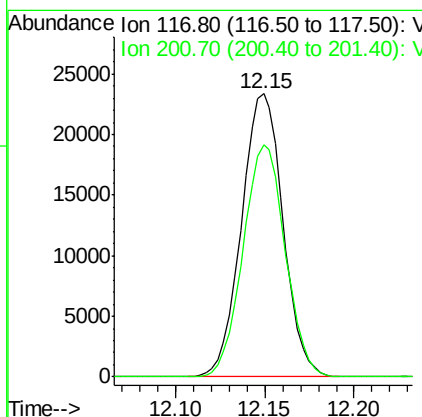
Manual Integrations
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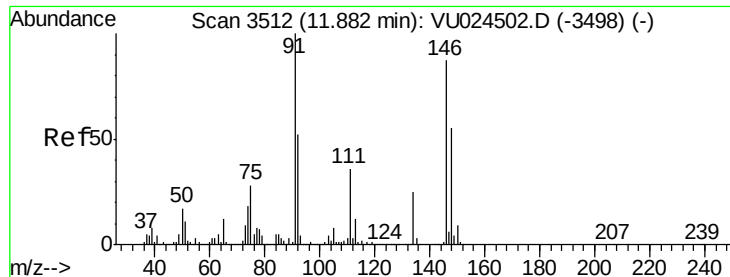
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#90
Hexachloroethane
Concen: 18.80 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024931.D
Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	41.1	123.3





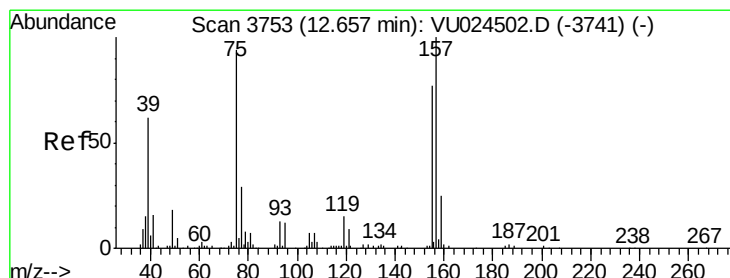
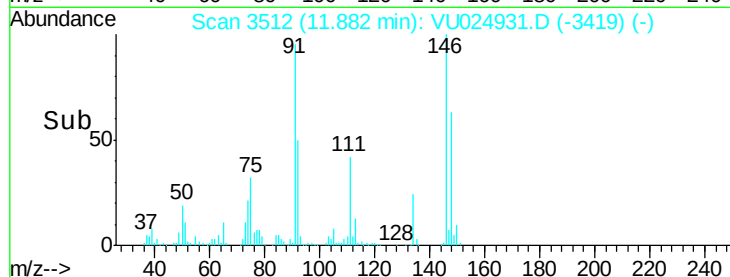
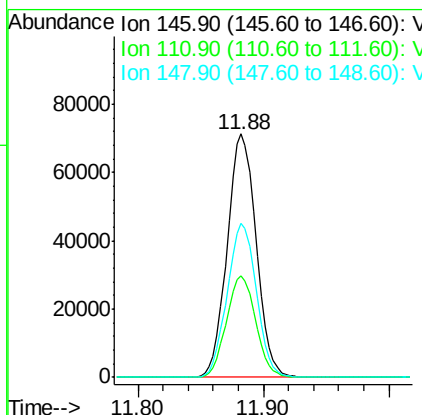
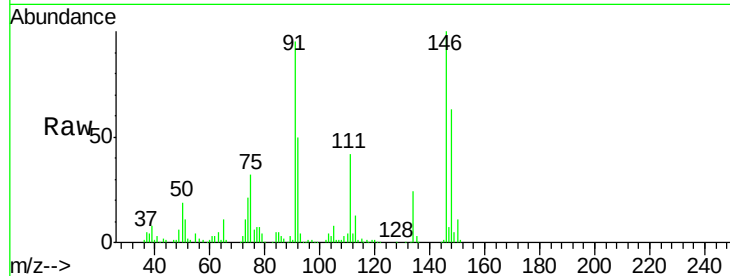
#91
 1,2-Dichlorobenzene
 Concen: 22.10 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114450		
111	42.0	20.5	61.6	
148	63.4	31.9	95.7	

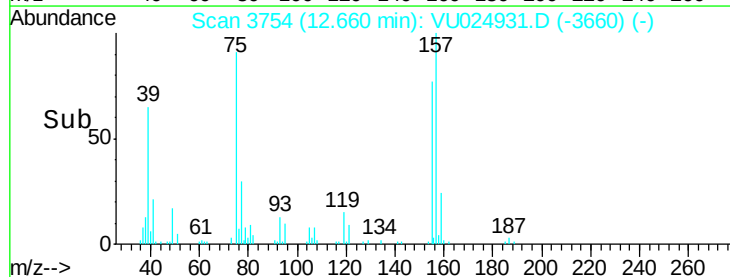
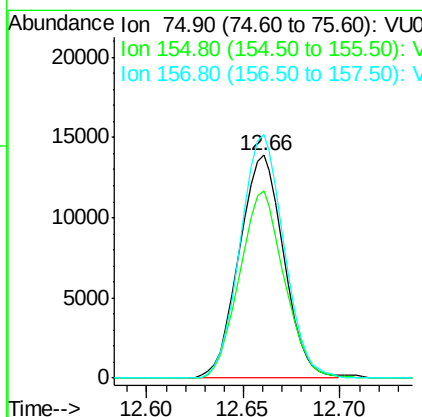
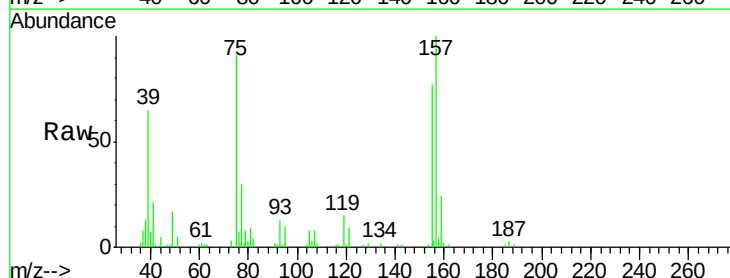
Manual Integrations
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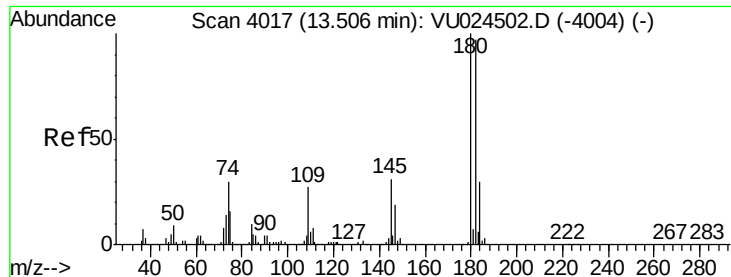
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.82 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22310		
155	83.8	40.4	121.2	
157	106.9	52.3	156.8	





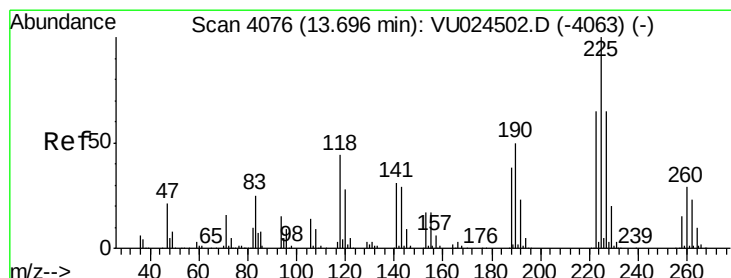
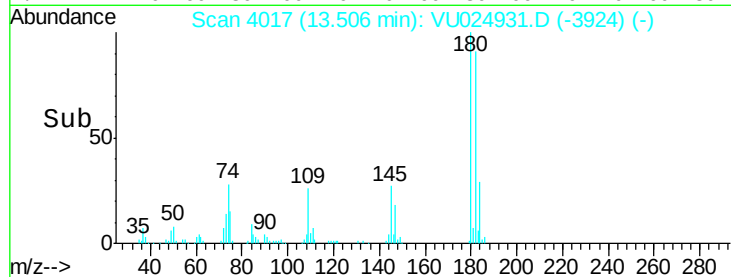
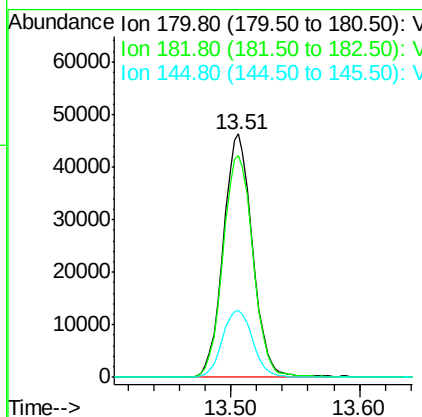
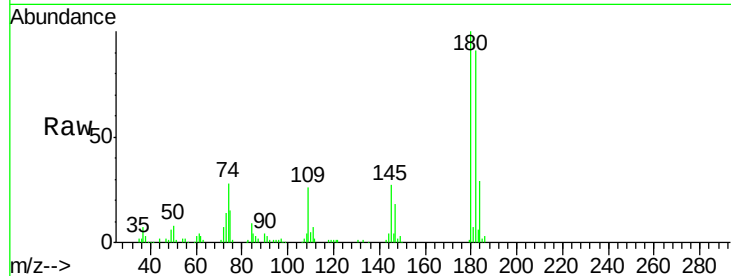
#93
 1,2,4-Trichlorobenzene
 Concen: 22.72 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0627MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	72658		
182	93.9	48.0	144.2	
145	28.6	14.7	44.1	

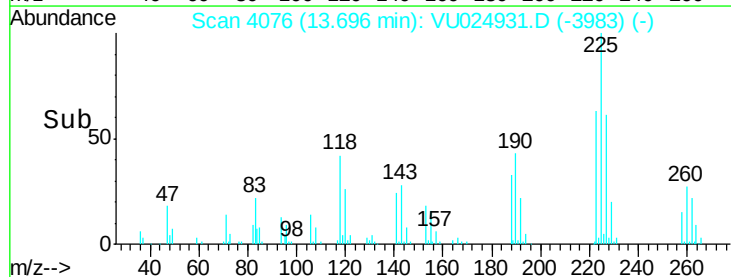
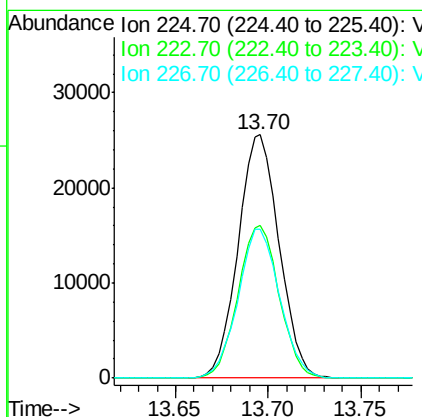
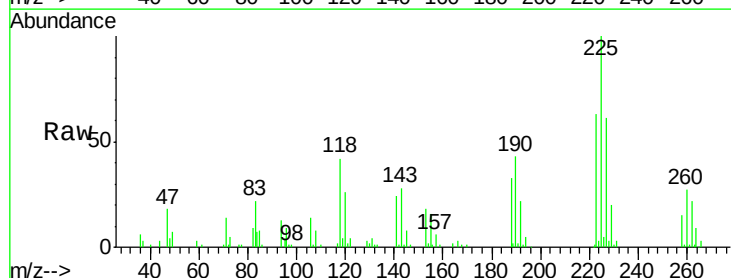
Manual Integrations
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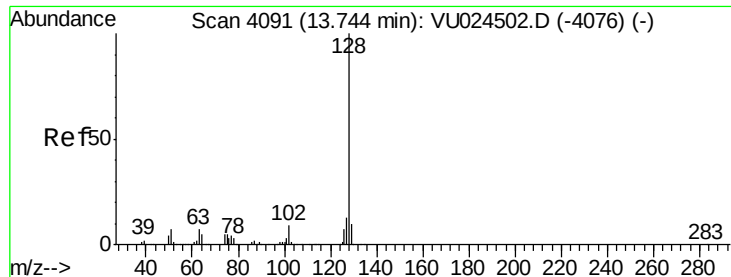
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#94
 Hexachlorobutadiene
 Concen: 21.85 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU024931.D
 Acq: 26 Jun 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39331		
223	62.6	31.3	93.8	
227	62.0	31.8	95.4	





#95

Naphthalene

Concen: 23.66 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Instrument :

MSVOA_U

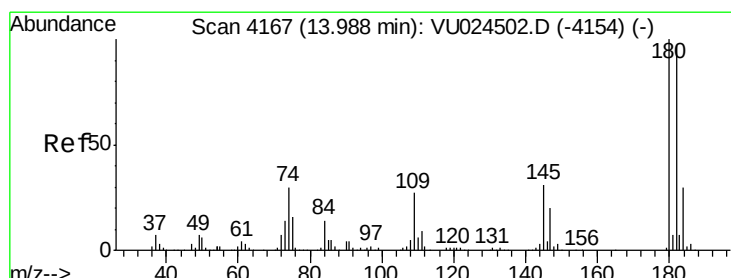
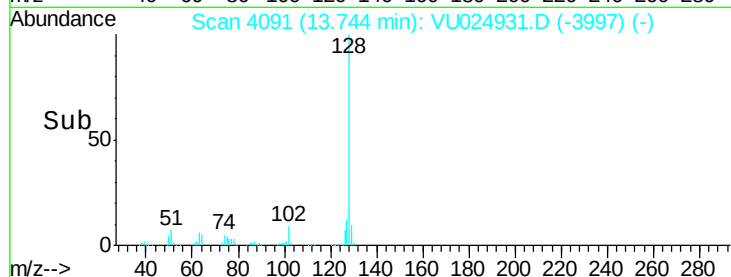
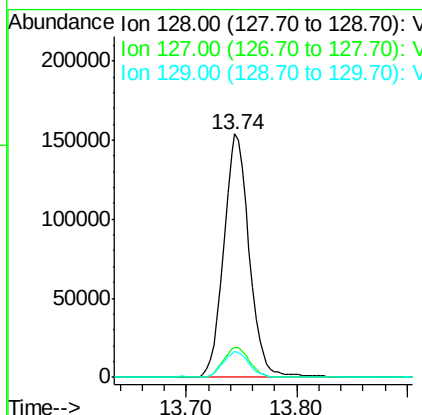
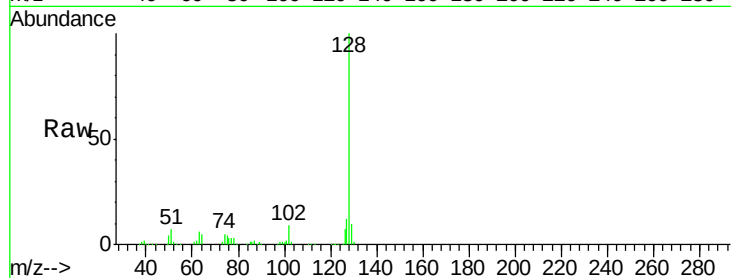
ClientSampleId :

VU0627MBSD01

Tot Ion:	128	Resp:	246639
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.4	8.6	12.8

Manual Integrations
APPROVED

apatel
6/28/2018 4:38:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 24.00 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024931.D

Acq: 26 Jun 2018 19:55

Tgt Ion:	180	Resp:	76496
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	31.6	15.4	46.1

