

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025135.D
 Acq On : 02 Jul 2018 11:49
 Operator : MD/SY
 Sample : VU0702WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:52:31 PM

Quant Time: Jul 03 04:24:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	171465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	252729	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	239049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139376	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	133563	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
35) Dibromofluoromethane	4.89	113	109350	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.57	98	353200	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	10.31	95	149259	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	35758	16.66	ug/l	97
3) Chloromethane	1.33	50	37814	17.25	ug/l	100
4) Vinyl Chloride	1.40	62	39737	17.57	ug/l	97
5) Bromomethane	1.62	94	22834	20.89	ug/l	100
6) Chloroethane	1.70	64	26044	19.98	ug/l	97
7) Trichlorofluoromethane	1.89	101	68745	19.92	ug/l	99
8) Diethyl Ether	2.10	74	25188	20.33	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	42376	19.79	ug/l	98
10) Methyl Iodide	2.41	142	29706	19.95	ug/l	99
11) Tert butyl alcohol	2.82	59	64806	95.19	ug/l	100
12) 1,1-Dichloroethene	2.28	96	37344	19.13	ug/l	99
13) Acrolein	2.19	56	18552	51.89	ug/l	97
14) Allyl chloride	2.59	41	65185	17.98	ug/l	98
15) Acrylonitrile	2.93	53	124409	93.92	ug/l	100
16) Acetone	2.32	43	151934	101.02	ug/l	98
17) Carbon Disulfide	2.48	76	103470	16.55	ug/l	96
18) Methyl Acetate	2.62	43	74351	23.06	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	145673	19.85	ug/l	99
20) Methylene Chloride	2.70	84	45910	19.45	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	41753	19.42	ug/l	96
22) Diisopropyl ether	3.57	45	142742	19.86	ug/l	95
23) Vinyl Acetate	3.53	43	590853	91.79	ug/l	99
24) 1,1-Dichloroethane	3.45	63	81901	19.81	ug/l	99
25) 2-Butanone	4.26	43	198124	98.07	ug/l	98
26) 2,2-Dichloropropane	4.23	77	80083	20.40	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	48483	19.61	ug/l	99
28) Bromochloromethane	4.55	49	36065	19.81	ug/l	86
29) Tetrahydrofuran	4.64	42	117072	93.58	ug/l	97
30) Chloroform	4.68	83	85867	20.52	ug/l	99
31) Cyclohexane	5.00	56	73809	18.88	ug/l	90
32) 1,1,1-Trichloroethane	4.92	97	79388	20.52	ug/l	95
36) 1,1-Dichloropropene	5.14	75	59276	19.96	ug/l	96
37) Ethyl Acetate	4.38	43	66984	20.69	ug/l	97
38) Carbon Tetrachloride	5.14	117	68715	21.04	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	77609	20.94	ug/l	94
40) Benzene	5.39	78	176143	20.82	ug/l	99
41) Methacrylonitrile	4.55	41	37682	21.59	ug/l	97
42) 1,2-Dichloroethane	5.41	62	72985	22.65	ug/l	100
43) Isopropyl Acetate	5.55	43	109721	19.61	ug/l	99
44) Trichloroethene	6.19	130	49024	20.36	ug/l	98
45) 1,2-Dichloropropane	6.44	63	45681	20.23	ug/l	95
46) Dibromomethane	6.56	93	34791	21.94	ug/l	97
47) Bromodichloromethane	6.76	83	64953	20.57	ug/l	97
48) Methyl methacrylate	6.63	41	57257	21.02	ug/l	97
49) 1,4-Dioxane	6.62	88	25650	481.42	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	353490	100.56	ug/l	99
52) Toluene	7.64	92	115602	21.23	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	69367	19.56	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	74933	19.83	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	46463	21.00	ug/l	98
56) Ethyl methacrylate	8.02	69	70640	19.07	ug/l	98
57) 1,3-Dichloropropane	8.25	76	78283	20.97	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	125478	88.42	ug/l	95
59) 2-Hexanone	8.36	43	286235	99.74	ug/l	100
60) Dibromochloromethane	8.48	129	51583	18.69	ug/l	100
61) 1,2-Dibromoethane	8.59	107	50028	20.31	ug/l	97
64) Tetrachloroethene	8.23	164	47460	20.89	ug/l	98
65) Chlorobenzene	9.12	112	130577	21.38	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	48886	21.07	ug/l	97
67) Ethyl Benzene	9.25	91	222252	20.76	ug/l	98
68) m/p-Xylenes	9.38	106	175139	42.60	ug/l	98
69) o-Xylene	9.78	106	87444	21.49	ug/l	95
70) Styrene	9.80	104	136844	20.47	ug/l	99
71) Bromoform	9.96	173	40161	18.21	ug/l #	98
73) Isopropylbenzene	10.17	105	233714	21.84	ug/l	99
74) N-amyl acetate	10.01	43	92062	18.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	75132	20.95	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	63774m	20.78	ug/l	
77) Bromobenzene	10.45	156	58337	21.53	ug/l	94
78) n-propylbenzene	10.59	91	260446	20.66	ug/l	97
79) 2-Chlorotoluene	10.66	91	158852	21.37	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	197104	21.25	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	21134m	15.94	ug/l	
82) 4-Chlorotoluene	10.78	91	180890	20.91	ug/l	99
83) tert-Butylbenzene	11.10	119	198962	22.30	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	200542	21.22	ug/l	100
85) sec-Butylbenzene	11.33	105	238636	21.37	ug/l	98
86) p-Isopropyltoluene	11.48	119	212256	21.22	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	105310	21.04	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	105738	20.99	ug/l	98
89) n-Butylbenzene	11.89	91	167027	18.81	ug/l	97
90) Hexachloroethane	12.15	117	35589	18.24	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	108663	21.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	17881	18.07	ug/l	90

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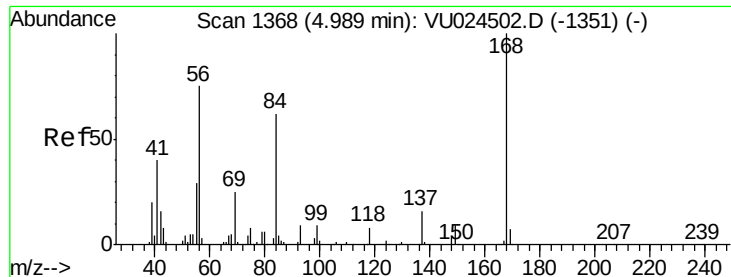
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	63040	20.36	ug/l	97
94) Hexachlorobutadiene	13.70	225	38219	21.93	ug/l	99
95) Naphthalene	13.75	128	204946	20.41	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	67192	21.78	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion:168 Resp: 171465

Ion Ratio Lower Upper

168 100

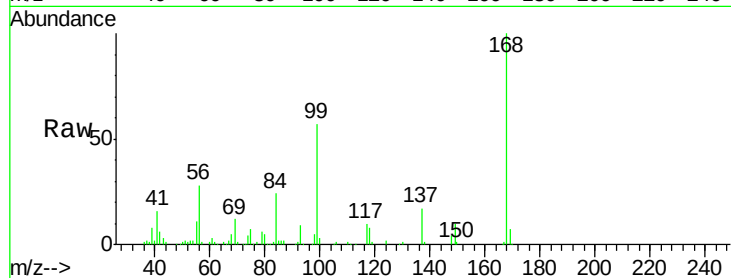
99 57.1 43.2 64.8

Manual Integrations

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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) (-)

80000

60000

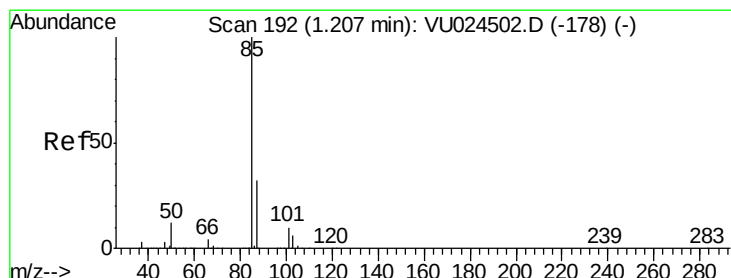
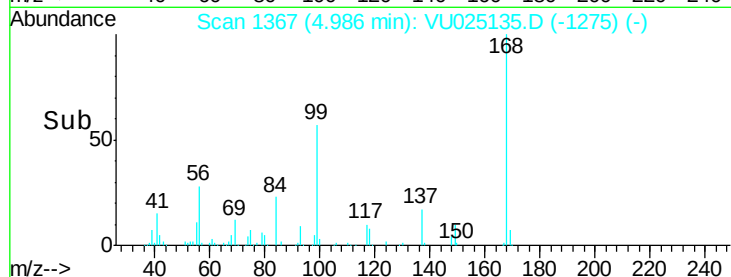
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.66 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025135.D

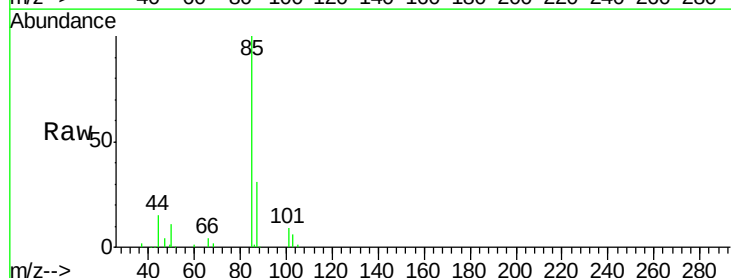
Acq: 02 Jul 2018 11:49

Tgt Ion: 85 Resp: 35758

Ion Ratio Lower Upper

85 100

87 30.5 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) (-)

40000

30000

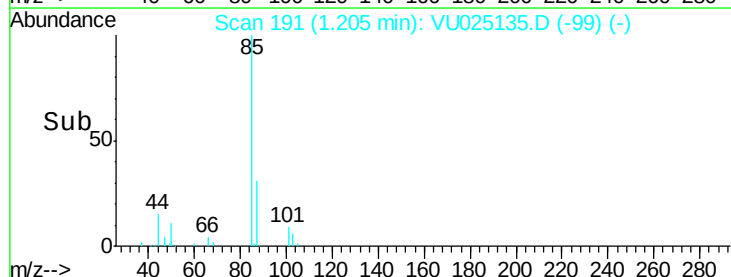
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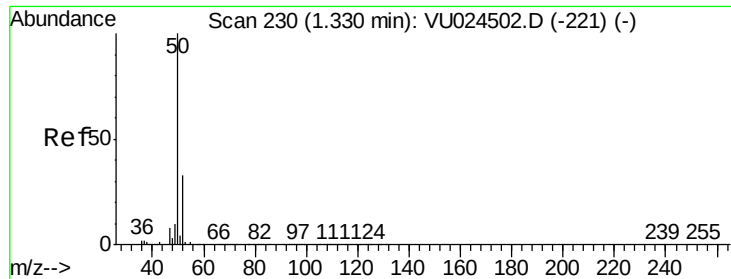
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.25 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 50 Resp: 37814

Ion Ratio Lower Upper

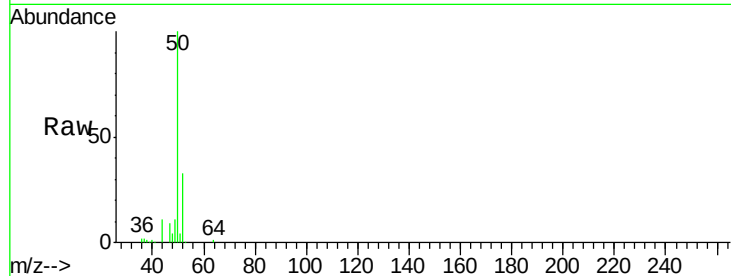
50 100

52 32.9 26.4 39.6

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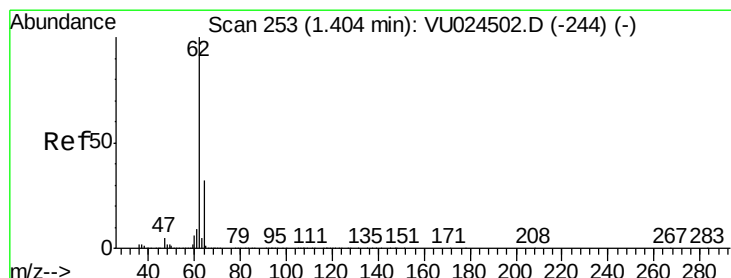
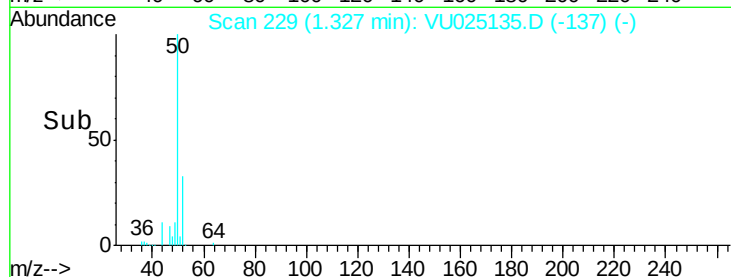
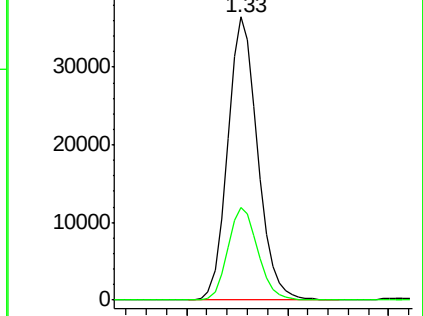
sam

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.57 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025135.D

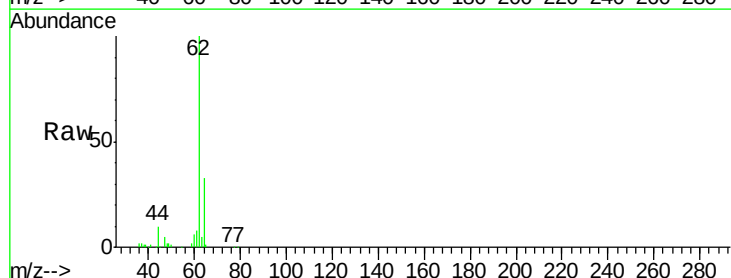
Acq: 02 Jul 2018 11:49

Tgt Ion: 62 Resp: 39737

Ion Ratio Lower Upper

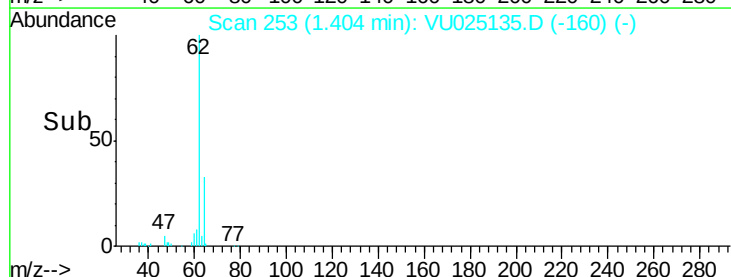
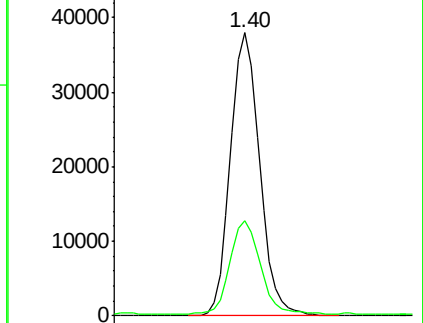
62 100

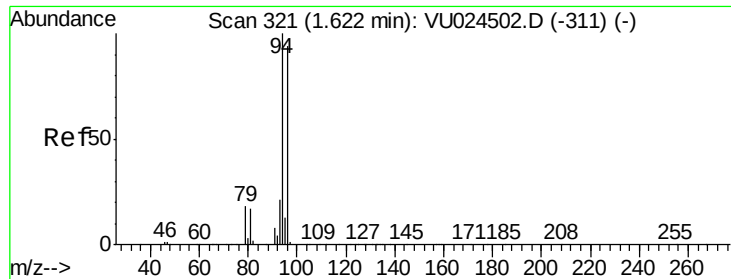
64 32.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.89 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 94 Resp: 22834

Ion Ratio Lower Upper

94 100

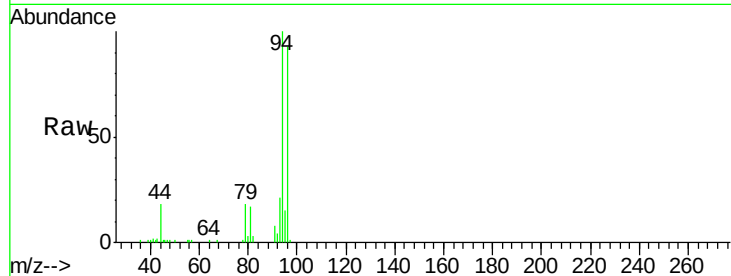
96 93.2 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

20000

15000

10000

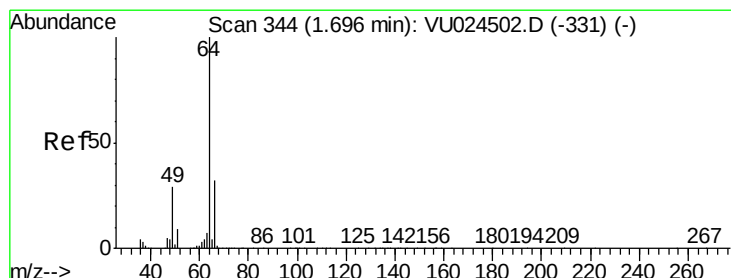
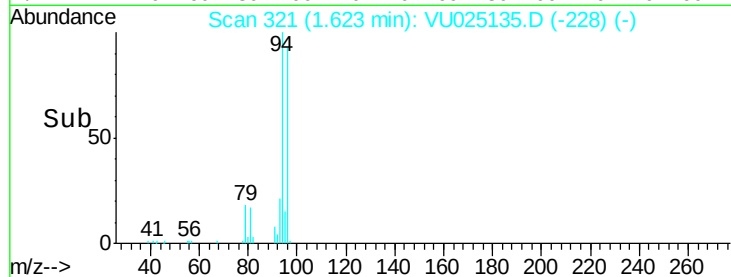
5000

0

Time-->

1.55 1.60 1.65 1.70

1.62



#6

Chloroethane

Concen: 19.98 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025135.D

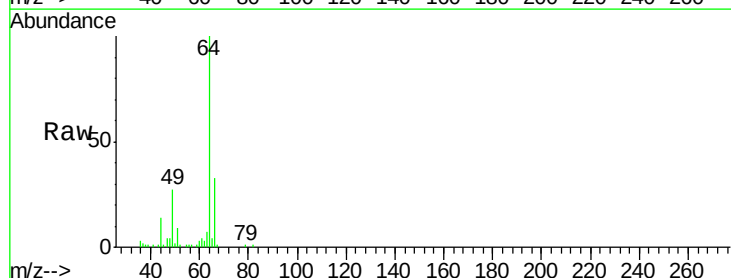
Acq: 02 Jul 2018 11:49

Tgt Ion: 64 Resp: 26044

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

20000

15000

10000

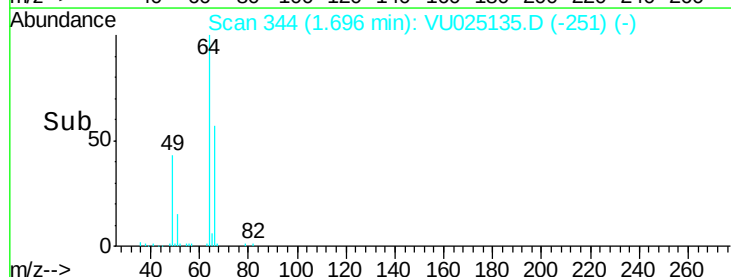
5000

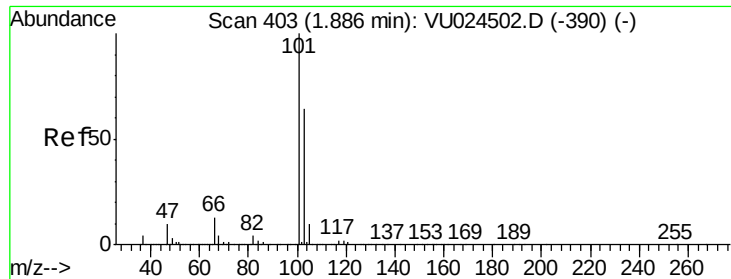
0

Time-->

1.65 1.70 1.75

1.70





#7

Trichlorofluoromethane

Concen: 19.92 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion:101 Resp: 68745

Ion Ratio Lower Upper

101 100

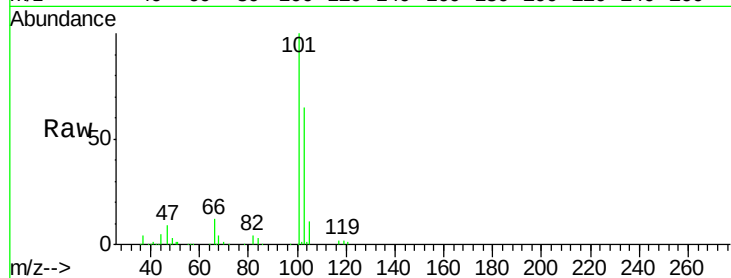
103 64.6 52.3 78.5

Manual Integrations

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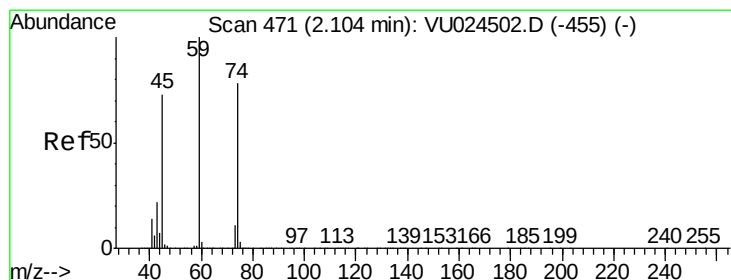
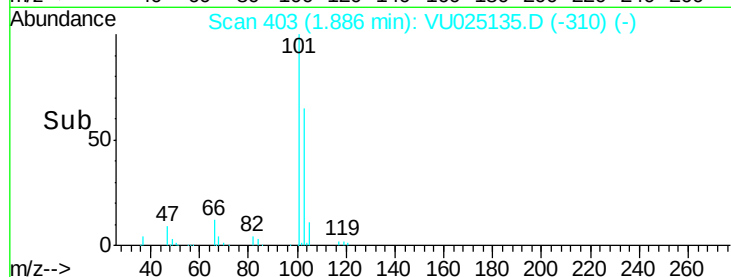
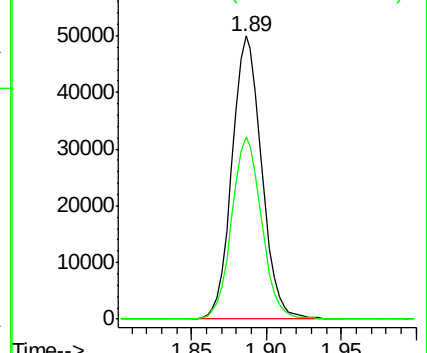
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.33 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU025135.D

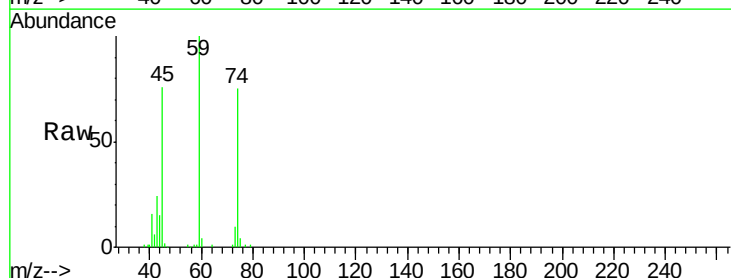
Acq: 02 Jul 2018 11:49

Tgt Ion: 74 Resp: 25188

Ion Ratio Lower Upper

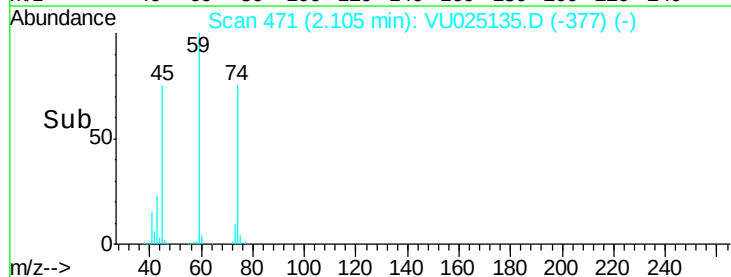
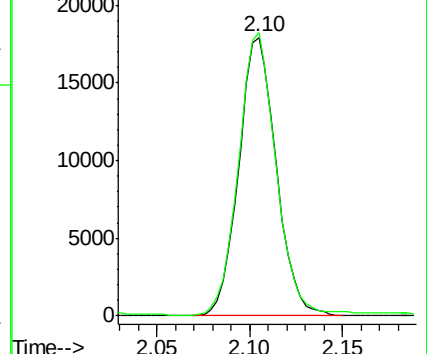
74 100

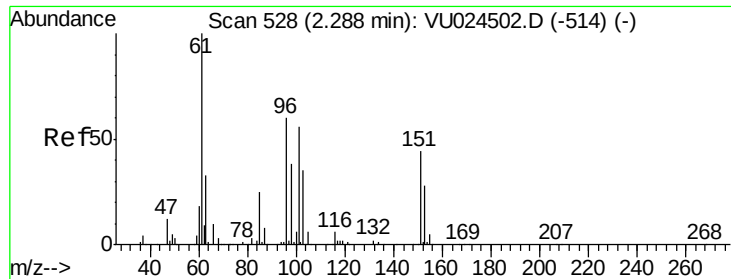
45 102.8 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.79 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

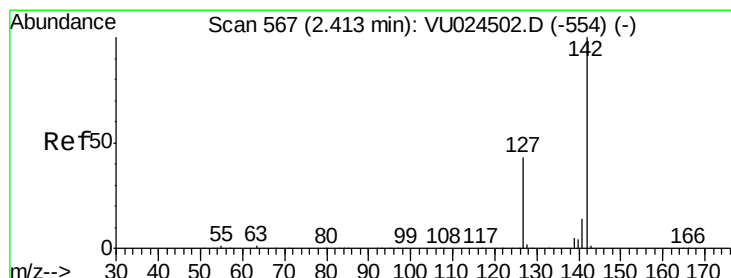
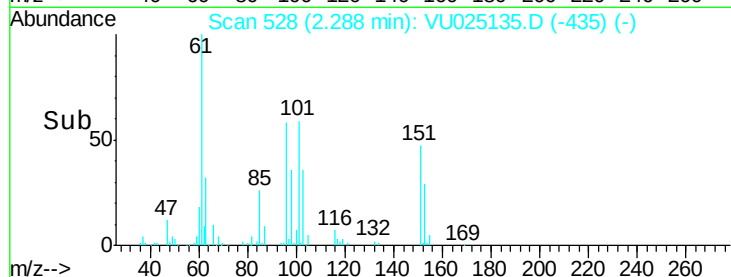
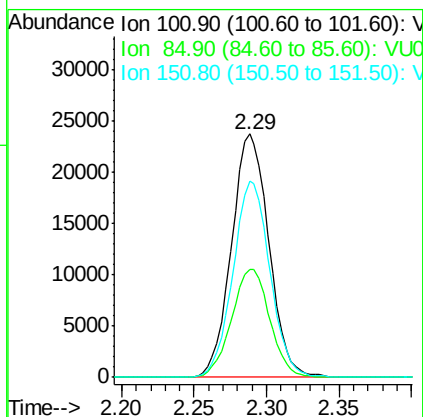
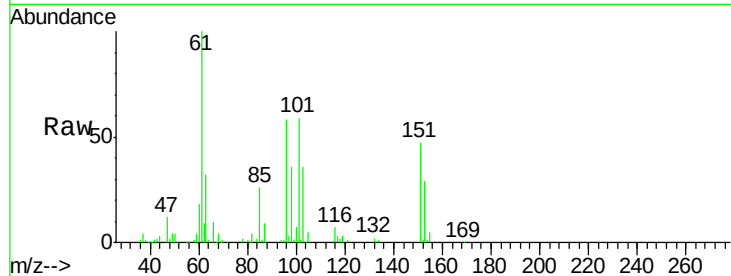
ClientSampleId :

VU0702WBS01

Tot Ion:	101	Resp:	42376
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.0	54.0
151	79.9	62.3	93.5

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 19.95 ug/l

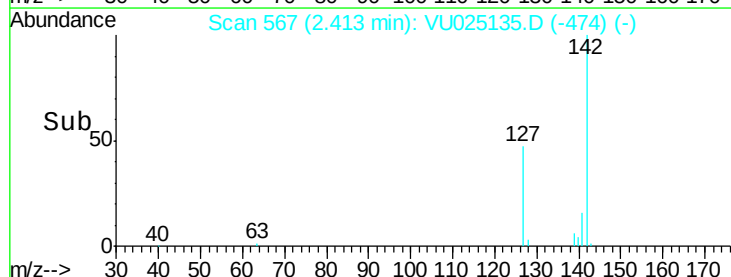
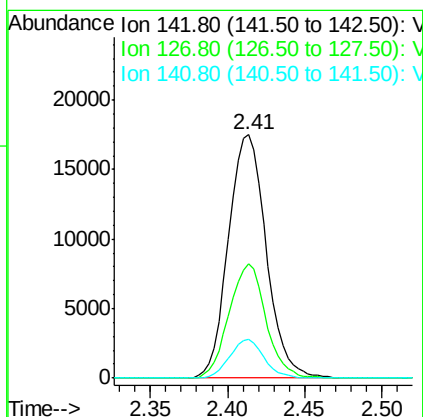
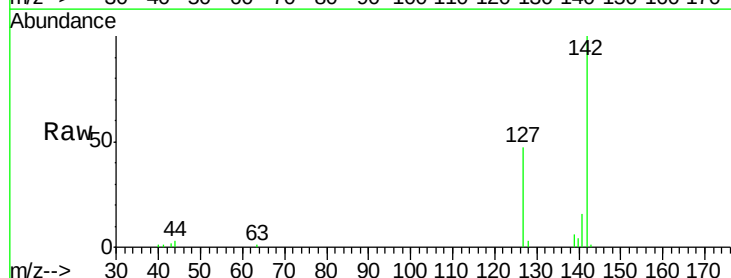
RT: 2.41 min Scan# 567

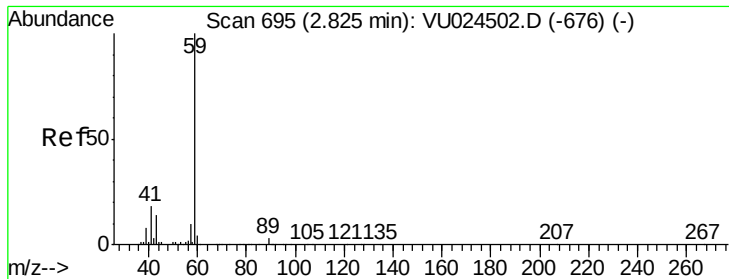
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	142	Resp:	29706
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.6	53.4
141	14.4	11.7	17.5





#11

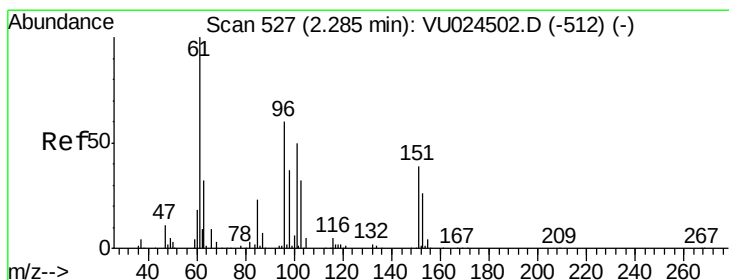
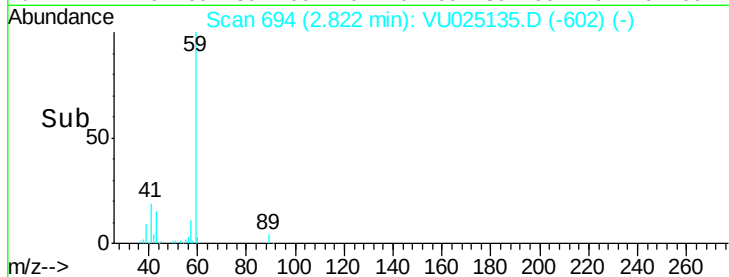
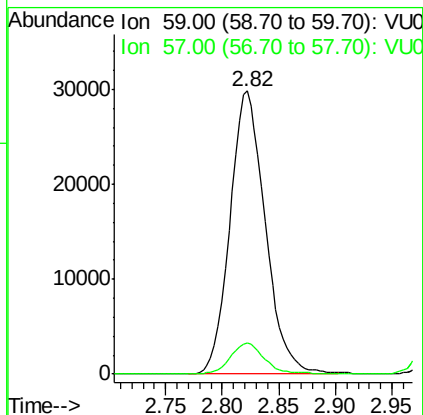
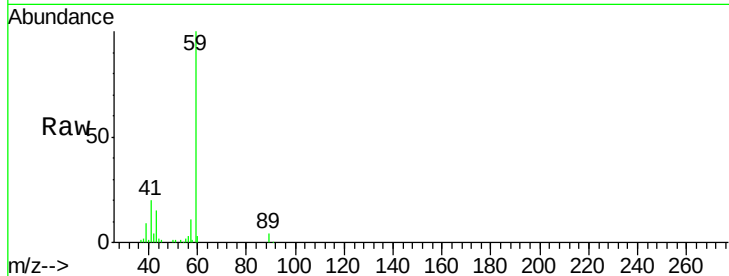
Tert butyl alcohol
 Concen: 95.19 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

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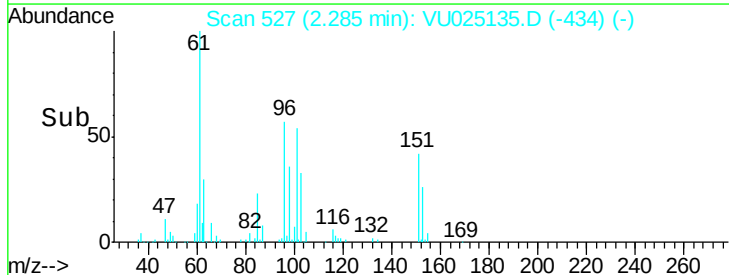
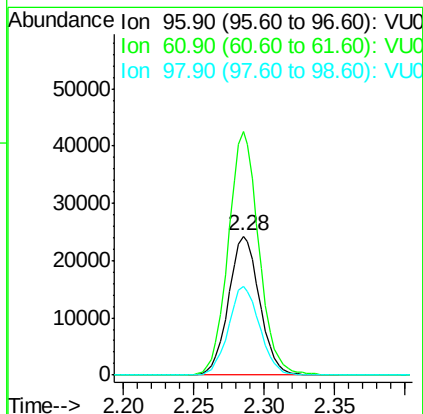
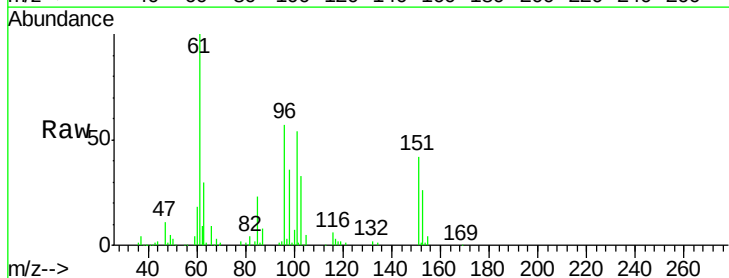
sam
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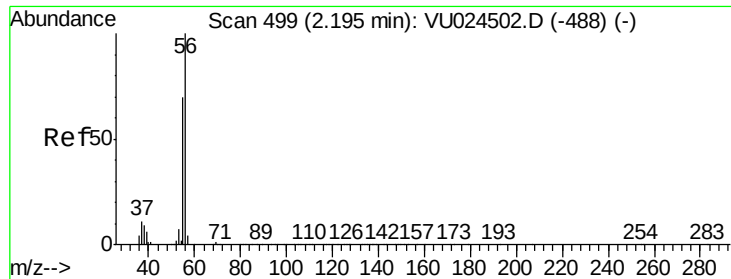


#12

1,1-Dichloroethene
 Concen: 19.13 ug/l
 RT: 2.28 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	141.7	212.5
98	63.7	51.6	77.4





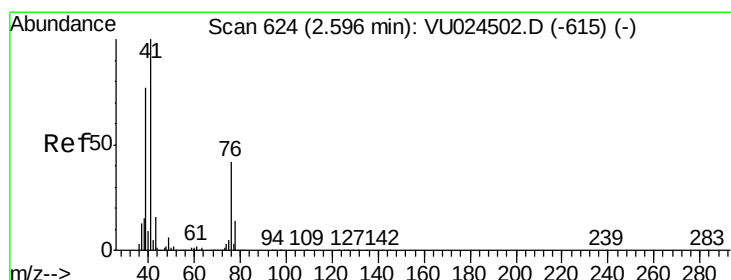
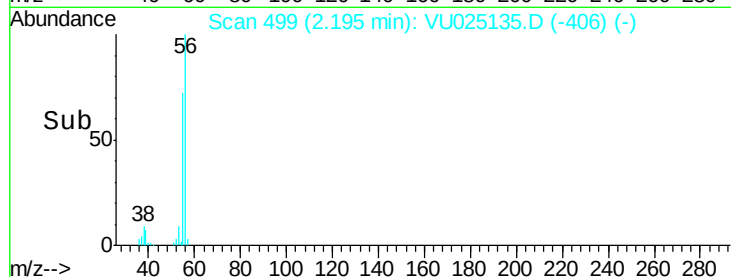
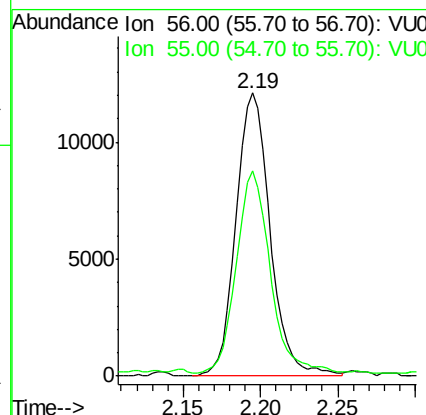
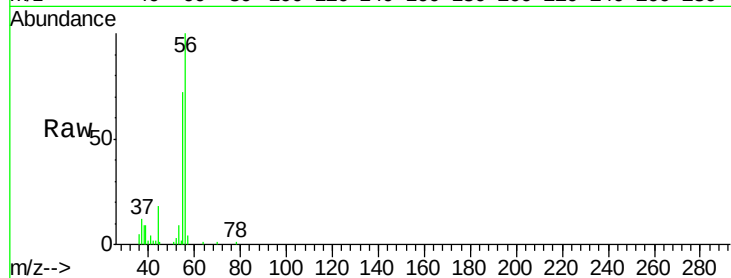
#13
Acrolein
Concen: 51.89 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	58.4	87.6

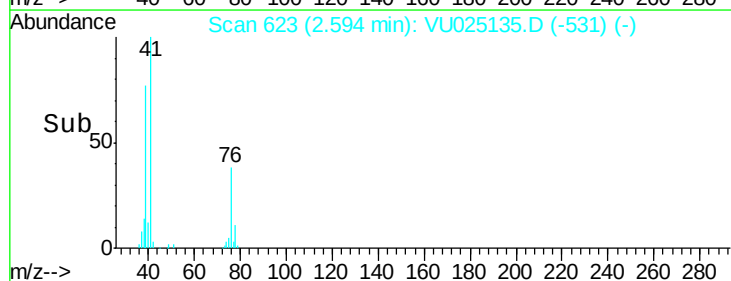
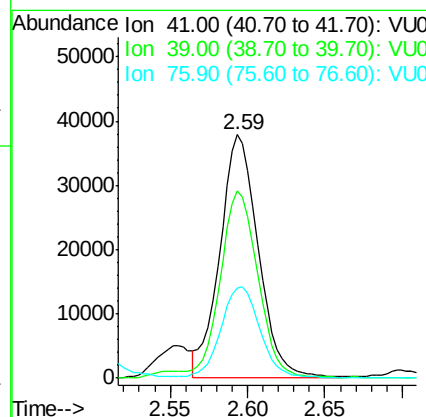
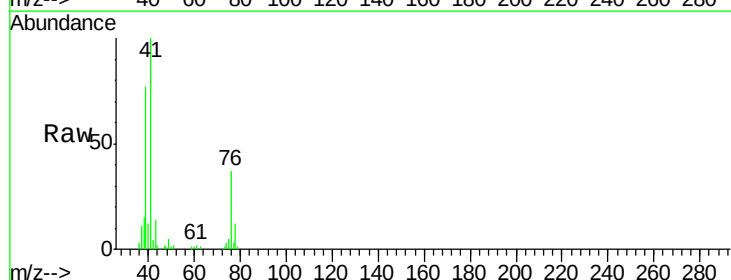
Manual Integrations
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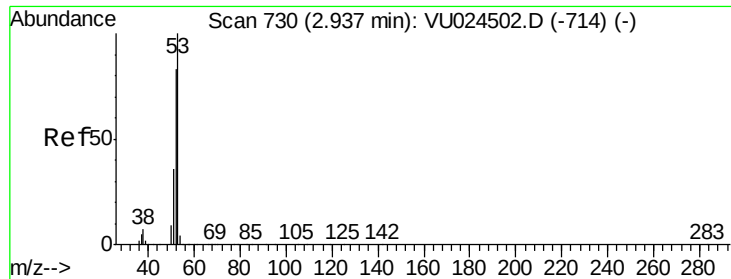
sam
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#14
Allyl chloride
Concen: 17.98 ug/l
RT: 2.59 min Scan# 623
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.0	61.6	92.4
76	37.7	29.7	44.5





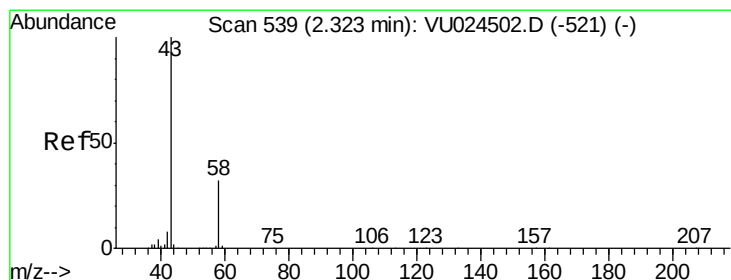
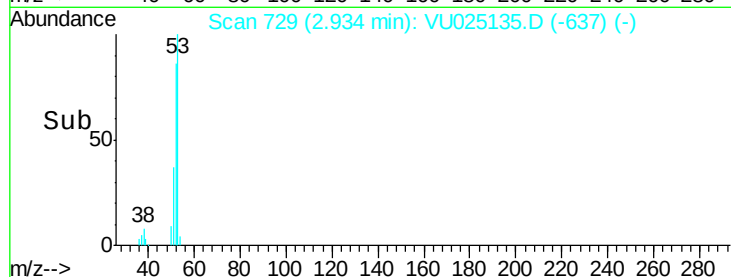
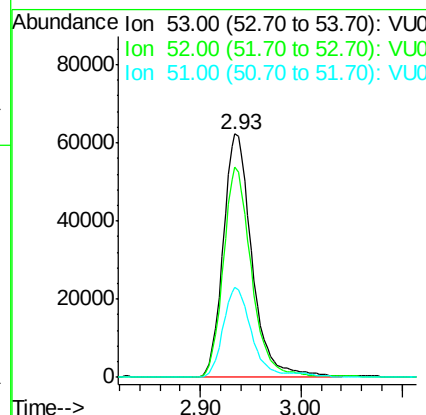
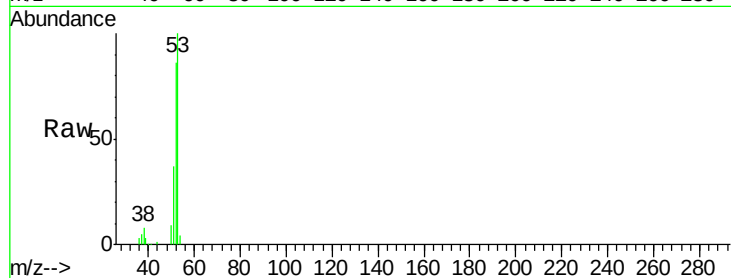
#15
 Acrylonitrile
 Concen: 93.92 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion:	53	Resp:	124409
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.1	100.7
51	35.8	28.4	42.6

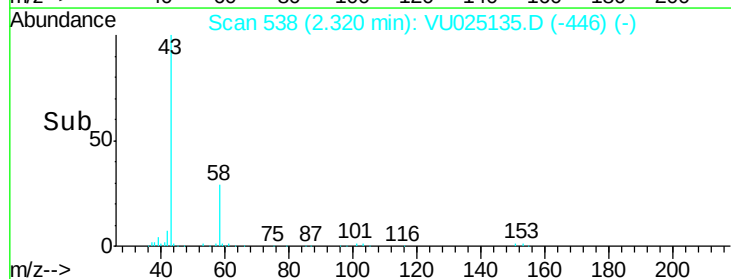
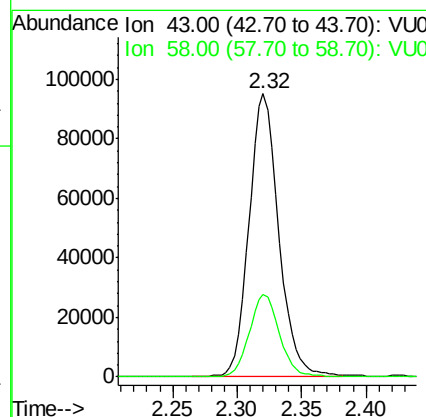
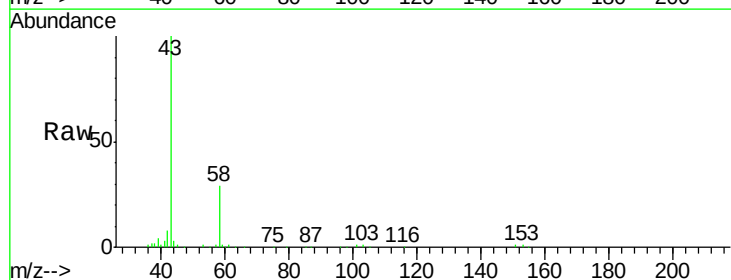
Manual Integrations
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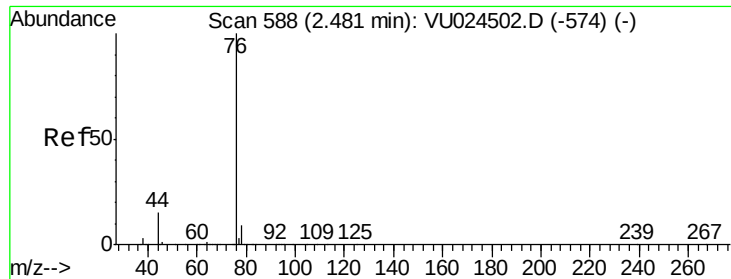
sam
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#16
 Acetone
 Concen: 101.02 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion:	43	Resp:	151934
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.4	36.6





#17

Carbon Disulfide

Concen: 16.55 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 76 Resp: 103470

Ion Ratio Lower Upper

76 100

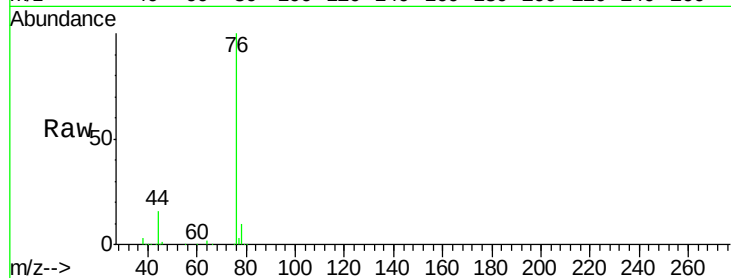
78 10.2 7.1 10.7

Manual Integrations

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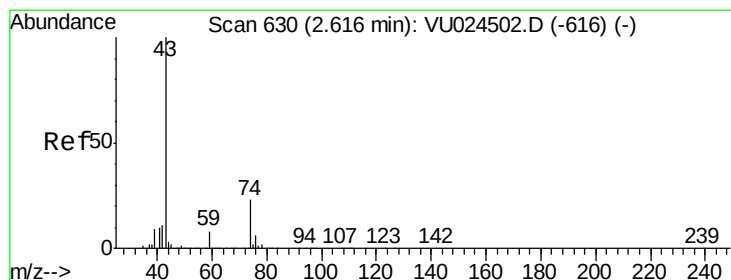
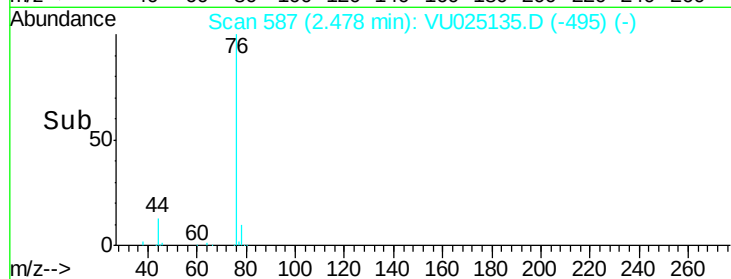
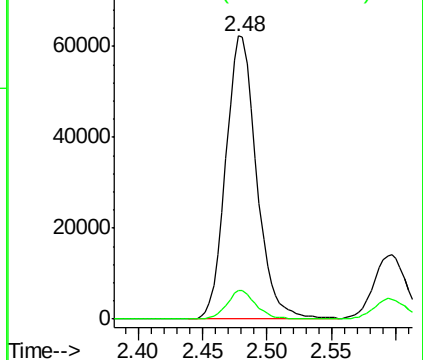
sam

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 23.06 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025135.D

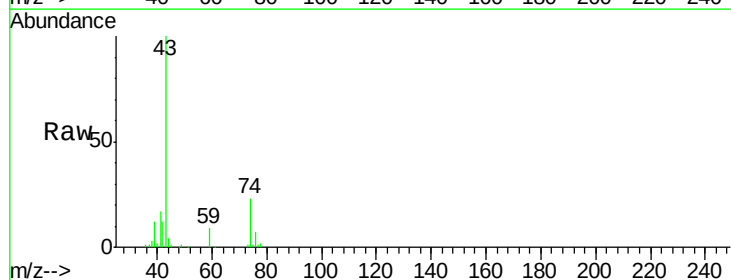
Acq: 02 Jul 2018 11:49

Tgt Ion: 43 Resp: 74351

Ion Ratio Lower Upper

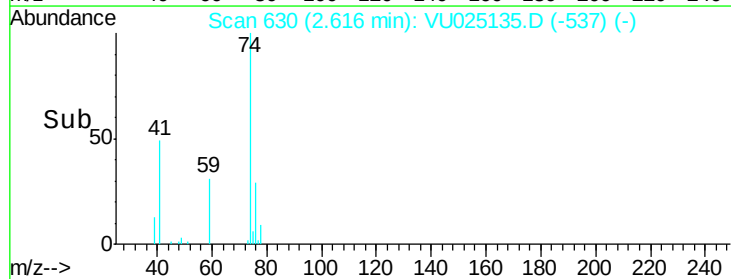
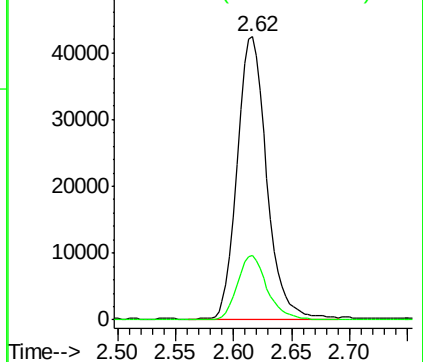
43 100

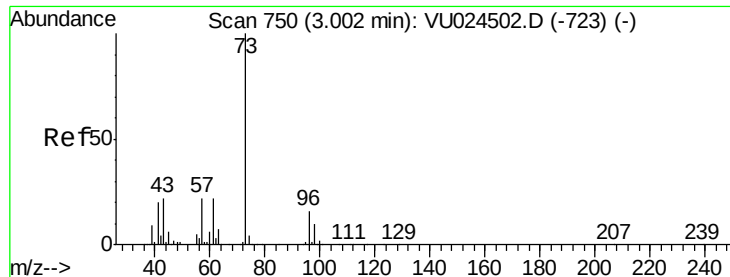
74 23.1 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

Methyl tert-butyl Ether

Concen: 19.85 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tot Ion: 73 Resp: 145673

Ion Ratio Lower Upper

73 100

57 23.0 18.8 28.2

Instrument :

MSVOA_U

ClientSampleId :

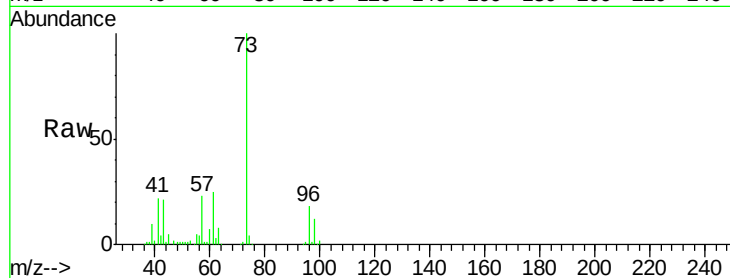
VU0702WBS01

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Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

3.00

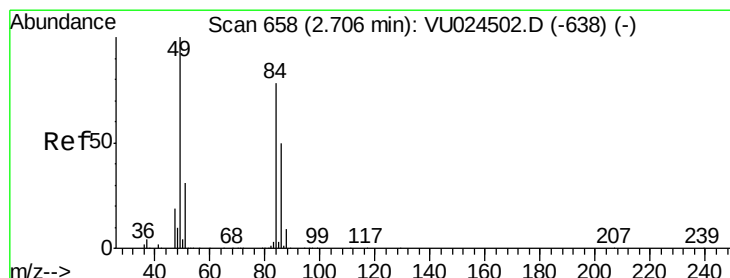
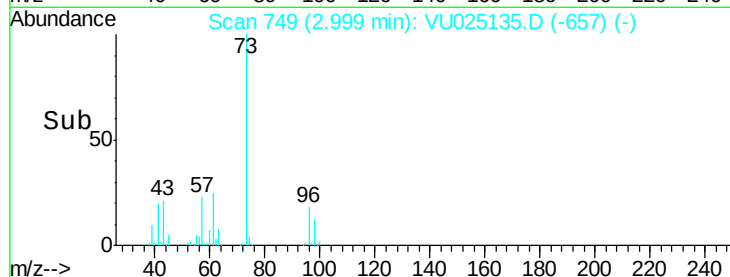
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#20

Methylene Chloride

Concen: 19.45 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion: 84 Resp: 45910

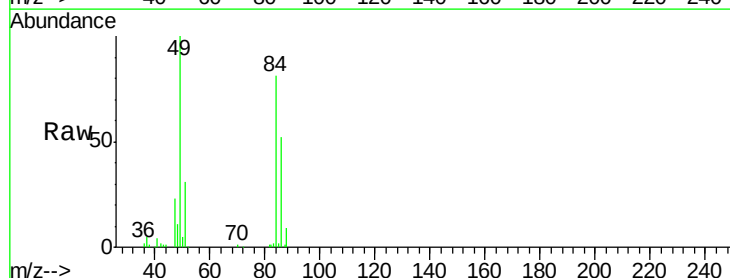
Ion Ratio Lower Upper

84 100

49 124.1 103.8 155.8

51 38.0 32.0 48.0

86 64.4 51.6 77.4



Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0

2.70

40000

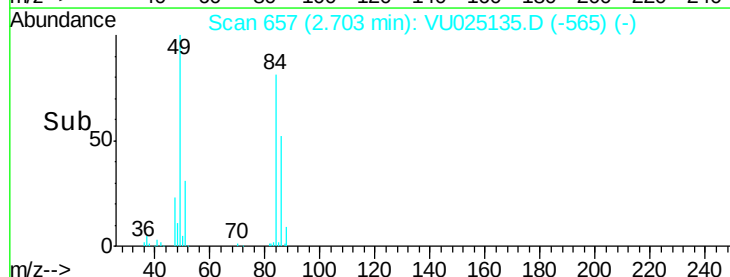
30000

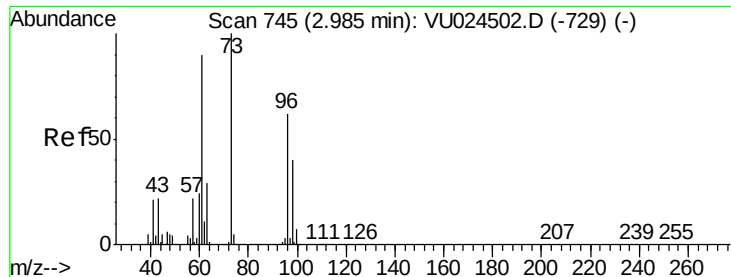
20000

10000

0

Time--> 2.60 2.65 2.70 2.75 2.80





#21

trans-1,2-Dichloroethene

Concen: 19.42 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

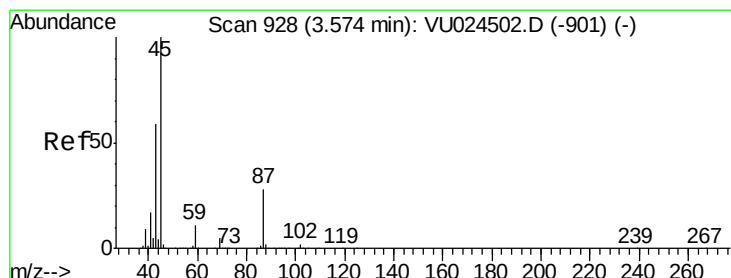
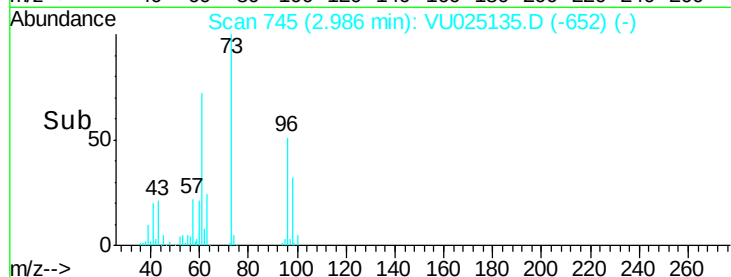
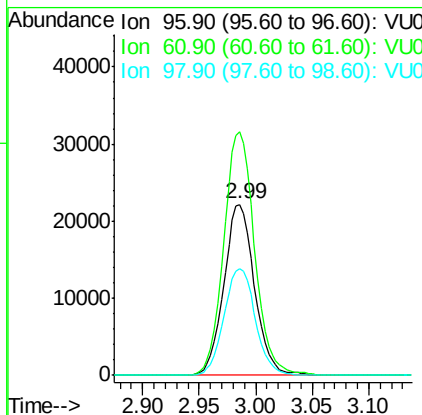
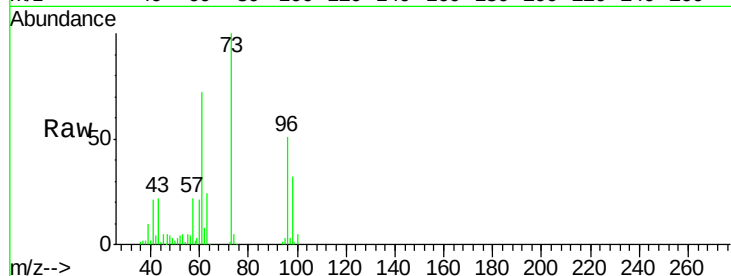
ClientSampleId :

VU0702WBS01

Tot Ion:	96	Resp:	41753
Ion	Ratio	Lower	Upper
96	100		
61	142.5	119.4	179.0
98	62.6	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.86 ug/l

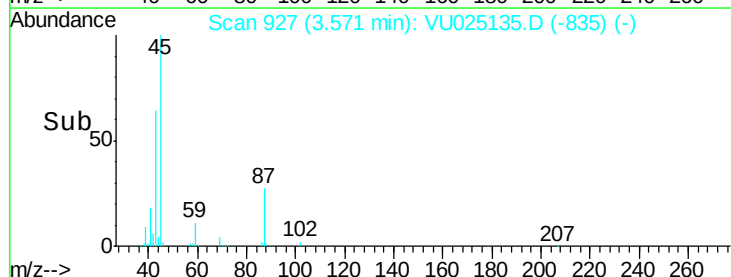
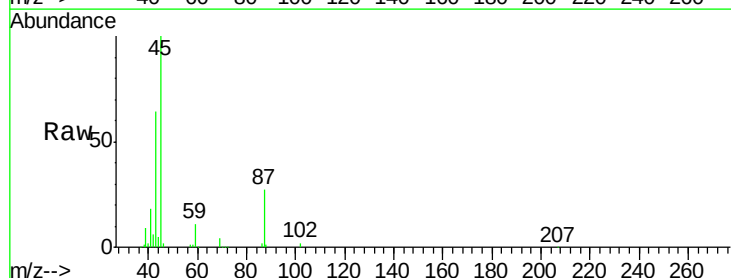
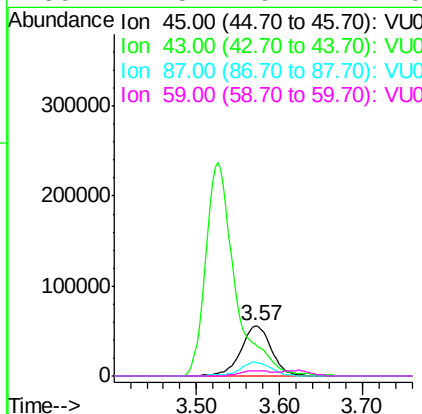
RT: 3.57 min Scan# 927

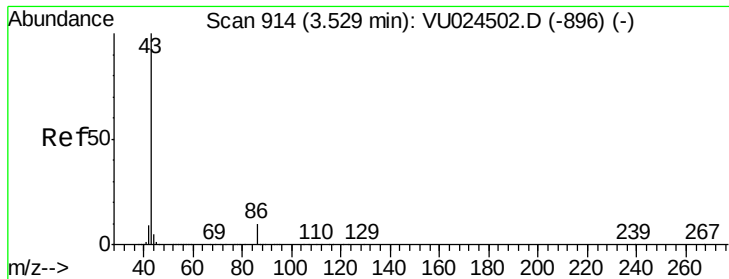
Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	45	Resp:	142742
Ion	Ratio	Lower	Upper
45	100		
43	62.5	45.8	68.6
87	27.5	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 91.79 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 43 Resp: 590853

Ion Ratio Lower Upper

43 100

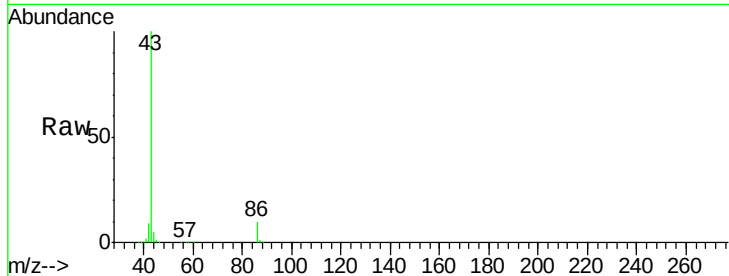
86 10.3 7.8 11.8

Manual Integrations

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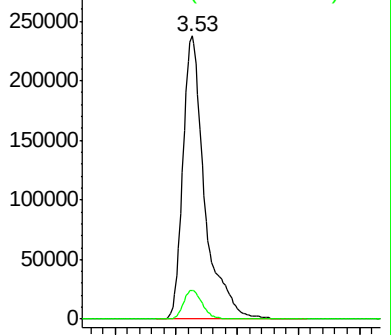
sam

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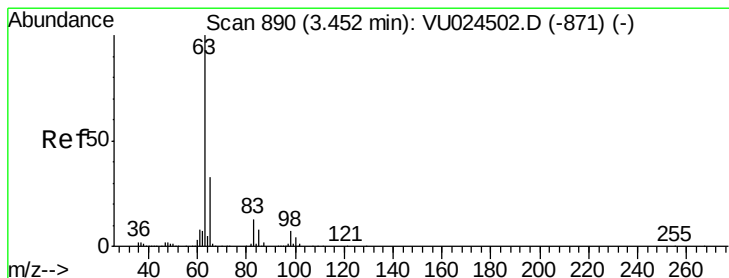
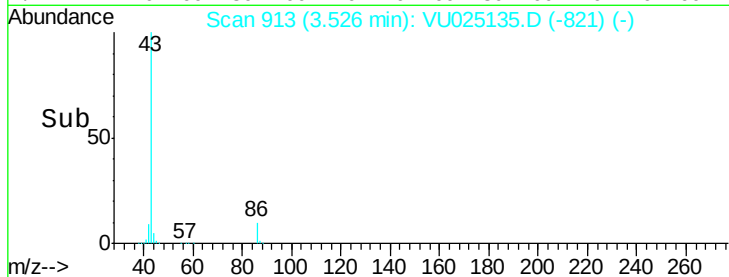


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 19.81 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

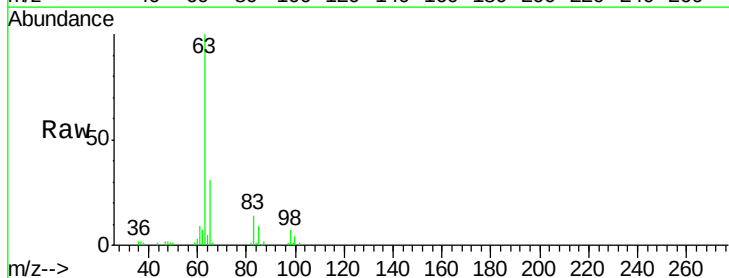
Tgt Ion: 63 Resp: 81901

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

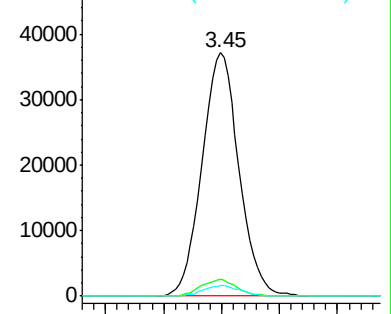
100 4.5 1.8 5.5



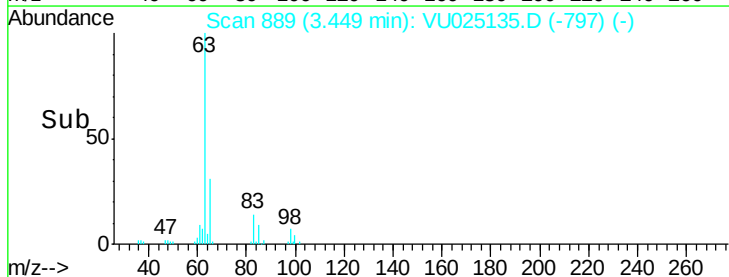
Abundance Ion 62.90 (62.60 to 63.60): VU0

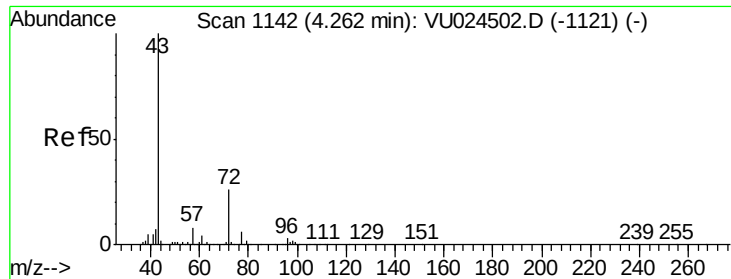
Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->





#25

2-Butanone

Concen: 98.07 ug/l

RT: 4.26 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 43 Resp: 198124

Ion Ratio Lower Upper

43 100

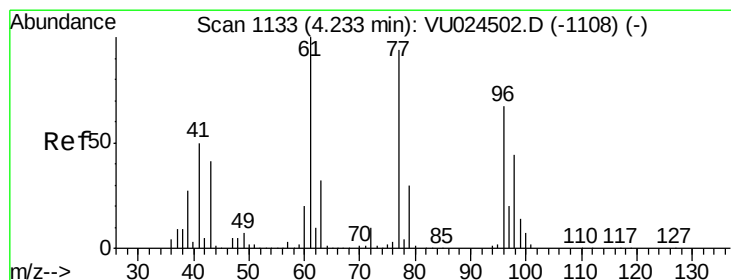
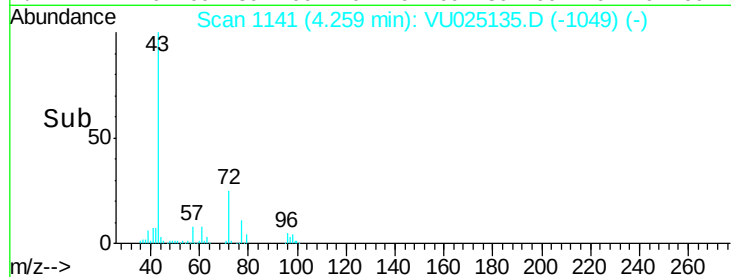
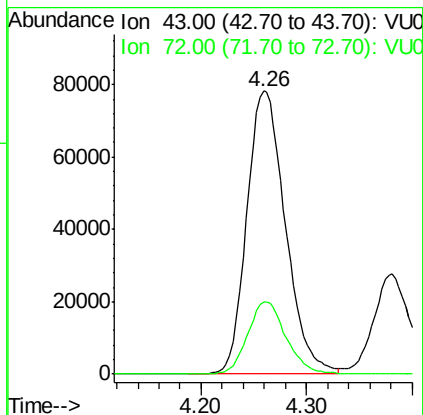
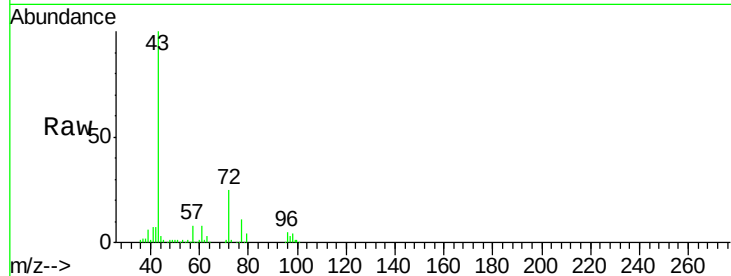
72 25.5 19.6 29.4

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 20.40 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025135.D

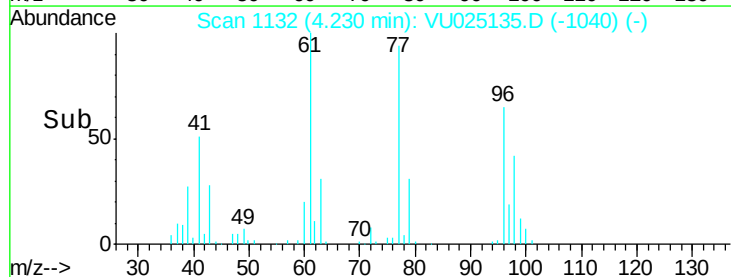
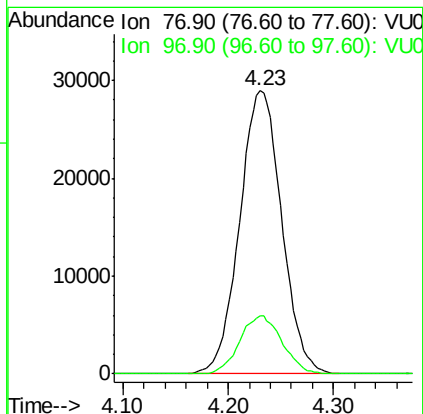
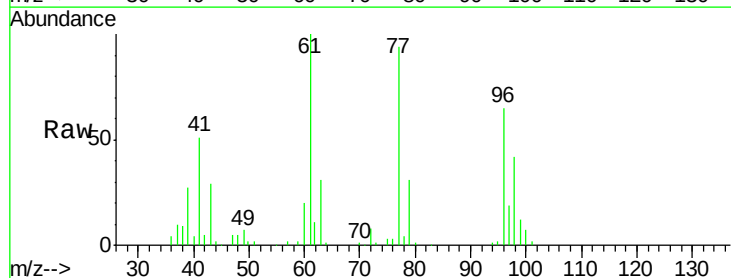
Acq: 02 Jul 2018 11:49

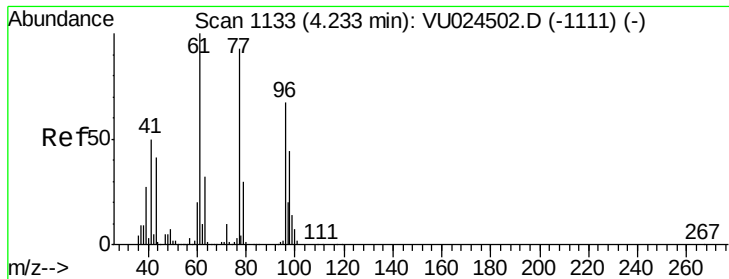
Tgt Ion: 77 Resp: 80083

Ion Ratio Lower Upper

77 100

97 20.6 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

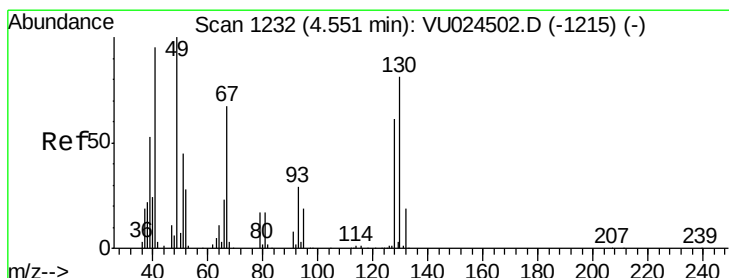
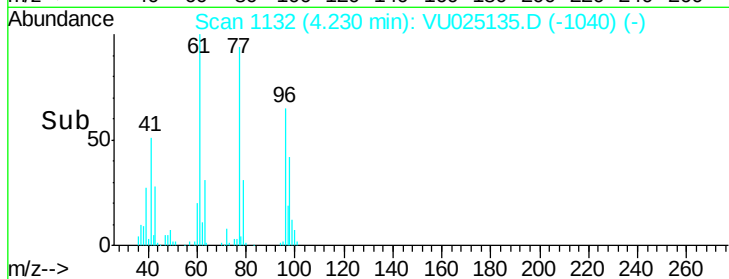
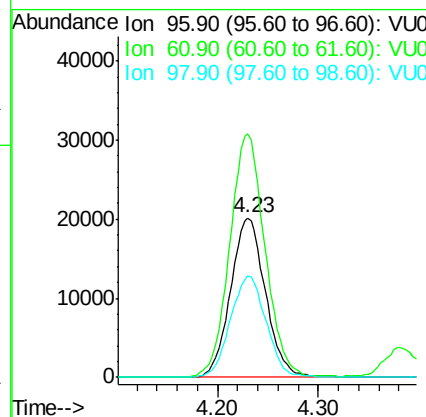
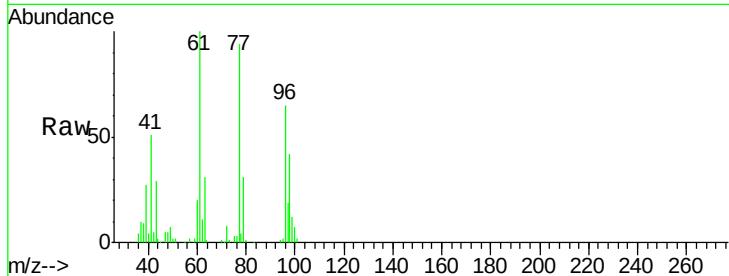
ClientSampleId :

VU0702WBS01

Tot Ion:	96	Resp:	48483
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	306.6
98	65.3	0.0	128.8

Manual Integrations
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sam
7/3/2018 3:52:31 PM



#28

Bromochloromethane

Concen: 19.81 ug/l

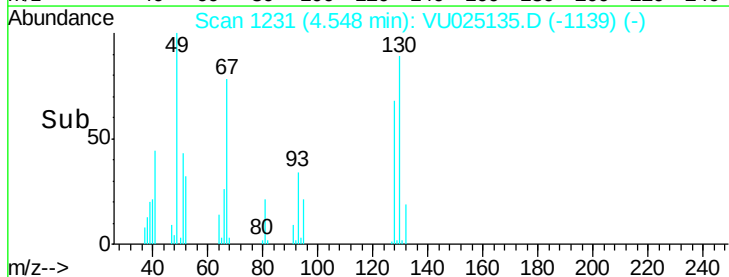
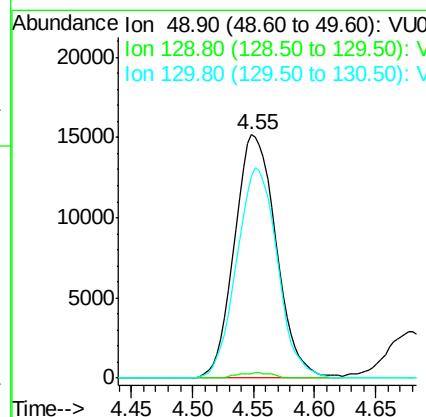
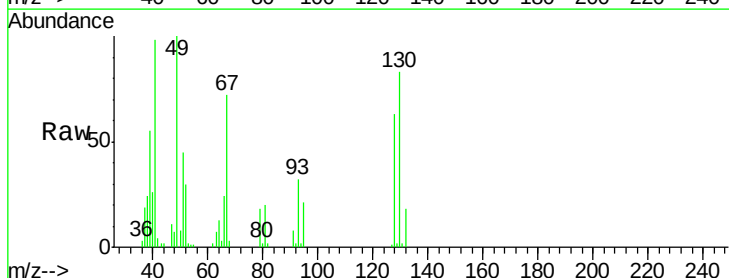
RT: 4.55 min Scan# 1231

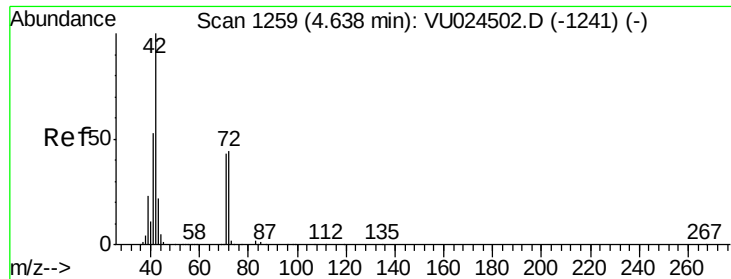
Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	49	Resp:	36065
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	84.1	57.8	86.6





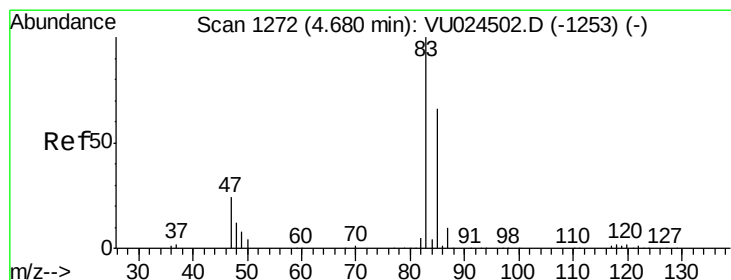
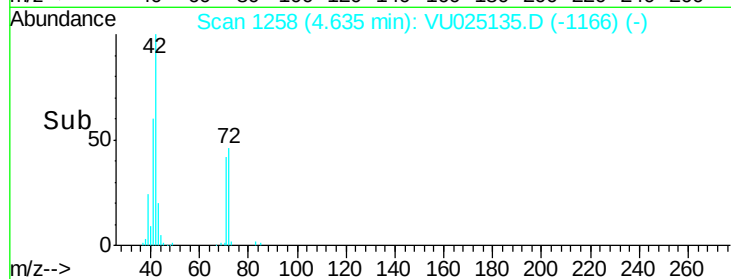
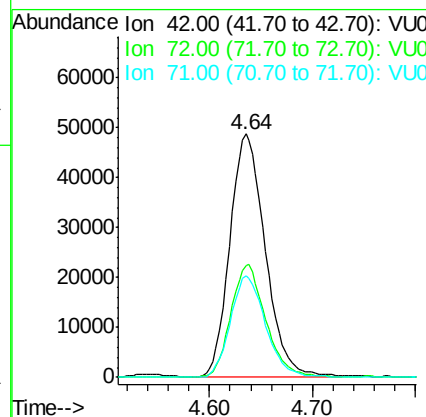
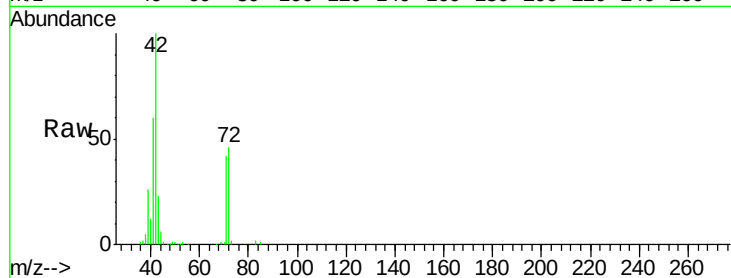
#29
Tetrahydrofuran
Concen: 93.58 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	41.3	32.2	48.4

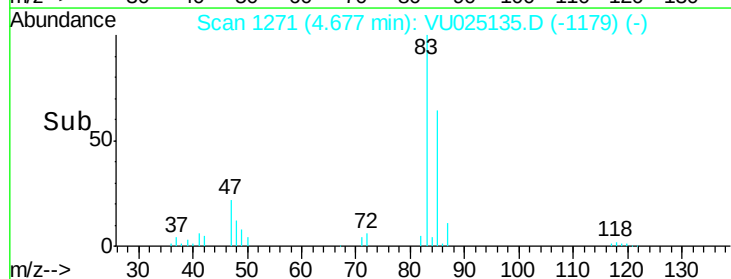
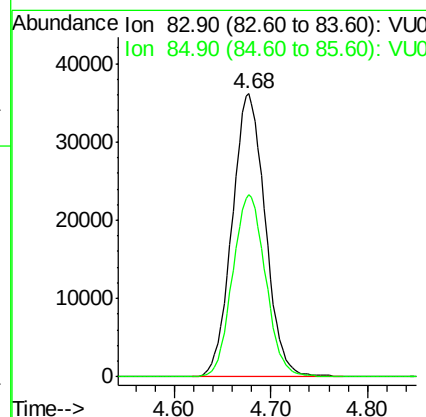
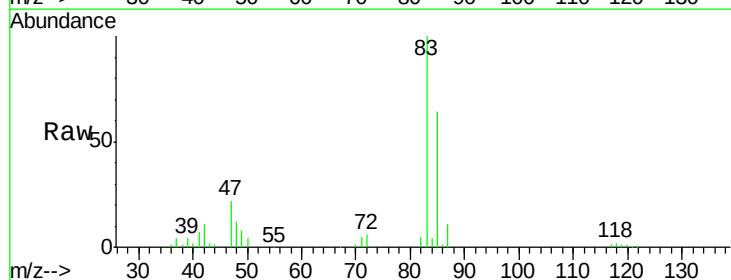
Manual Integrations
APPROVED

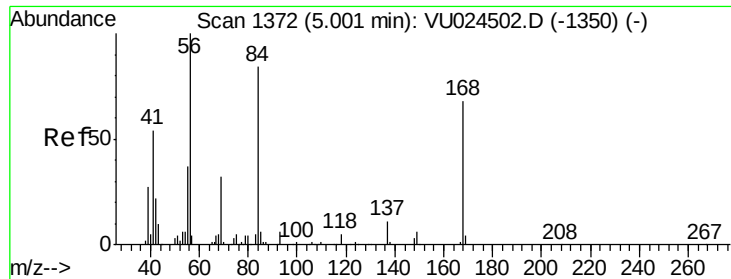
sam
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#30
Chloroform
Concen: 20.52 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





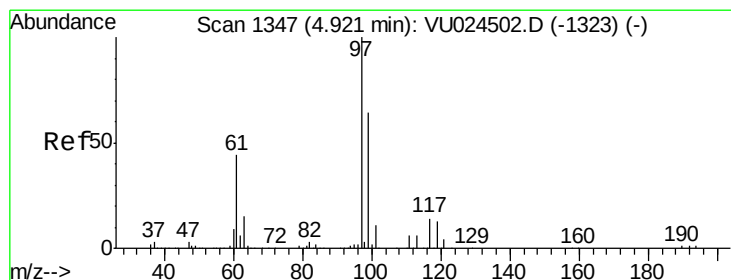
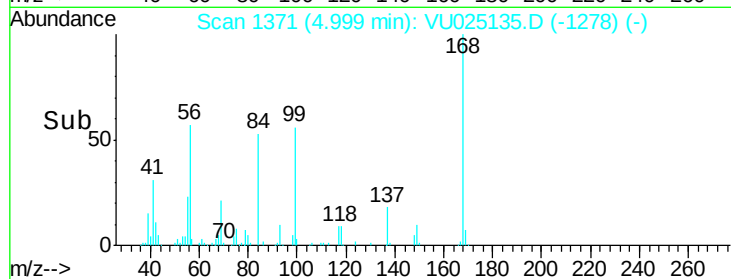
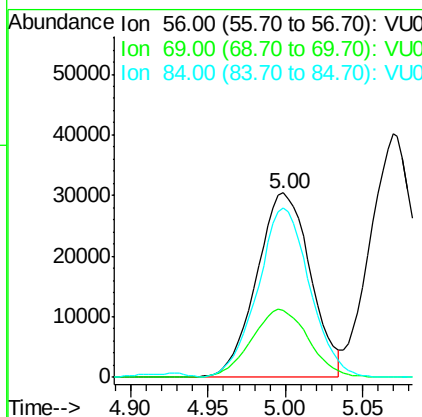
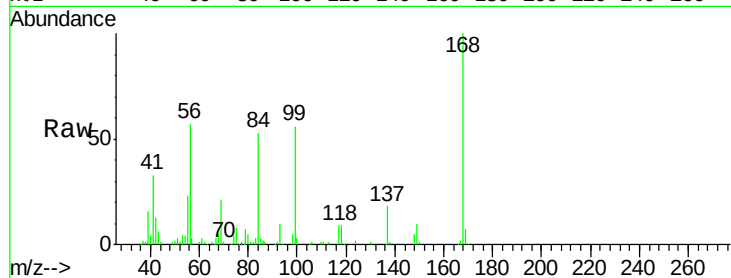
#31
Cyclohexane
Concen: 18.88 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	24.8	37.2
84	90.8	65.2	97.8

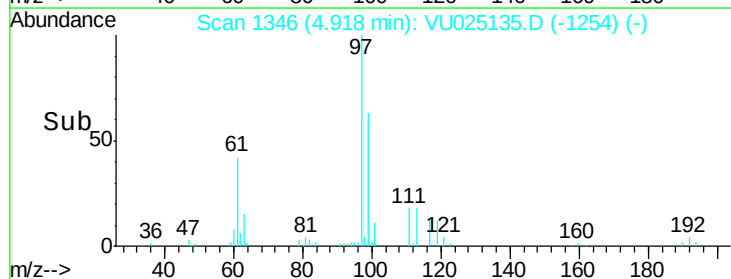
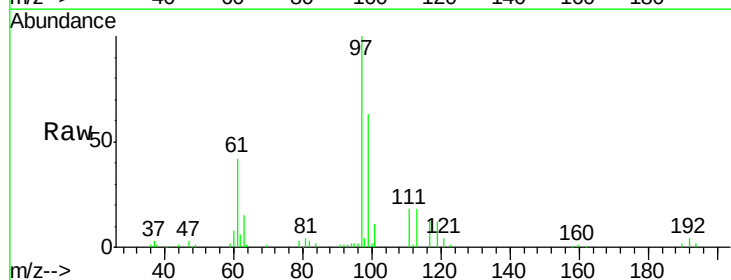
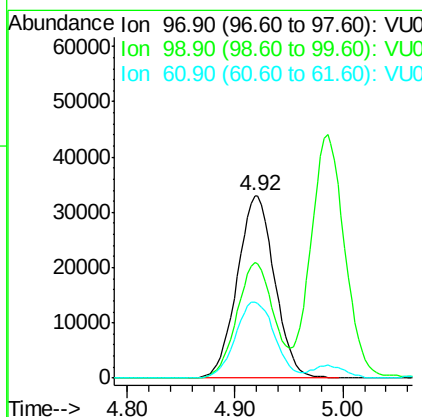
Manual Integrations
APPROVED

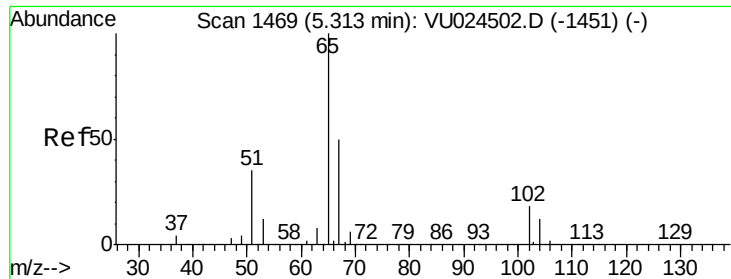
sam
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#32
1,1,1-Trichloroethane
Concen: 20.52 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.0	76.6
61	43.6	39.4	59.0





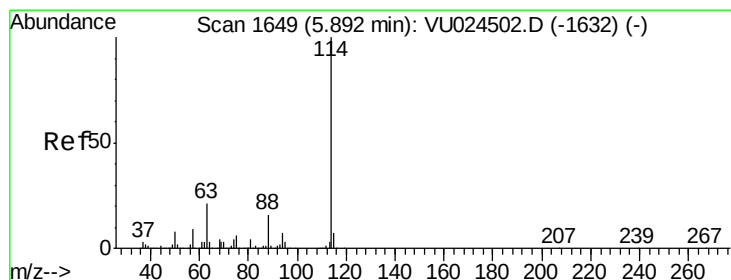
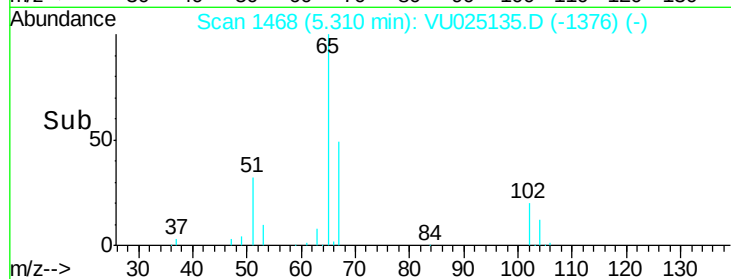
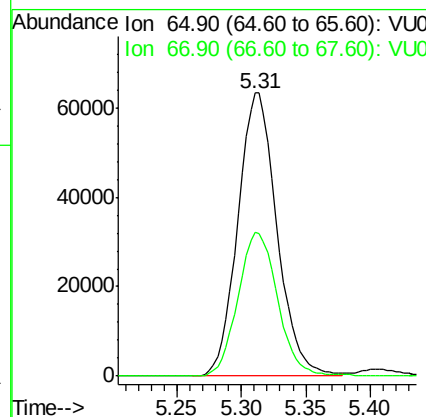
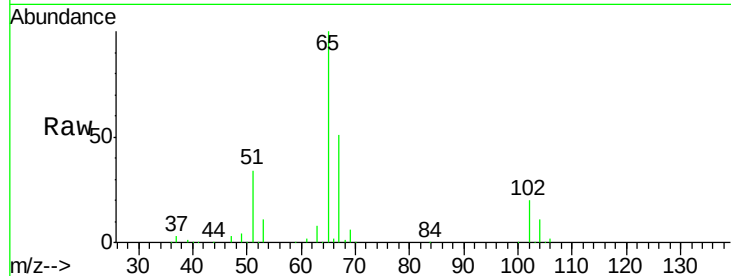
#33
 1,2-Dichloroethane-d4
 Concen: 47.71 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampled :
 VU0702WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.0

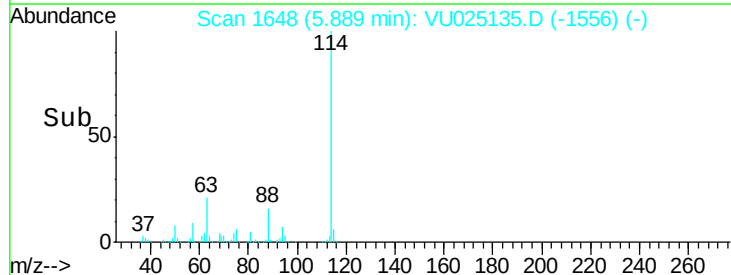
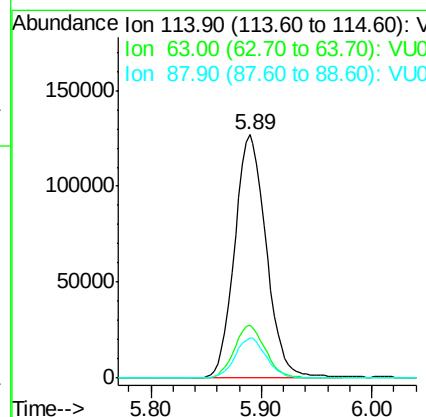
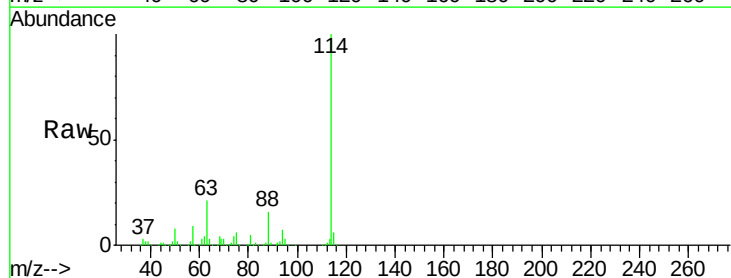
Manual Integrations
 APPROVED

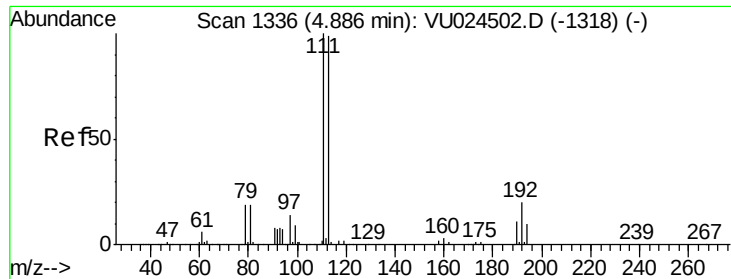
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	45.4
88	16.3	0.0	31.0





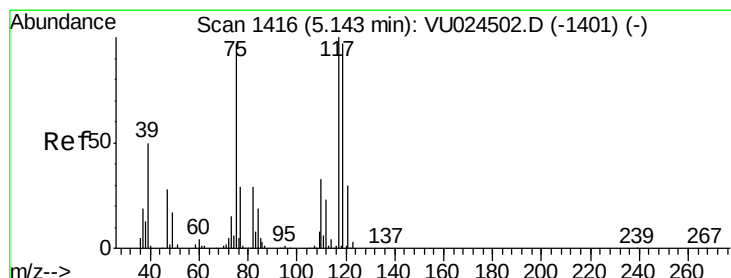
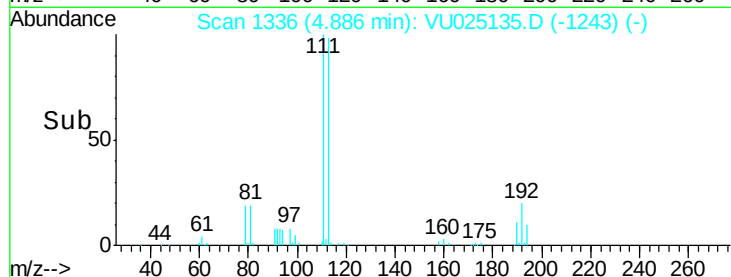
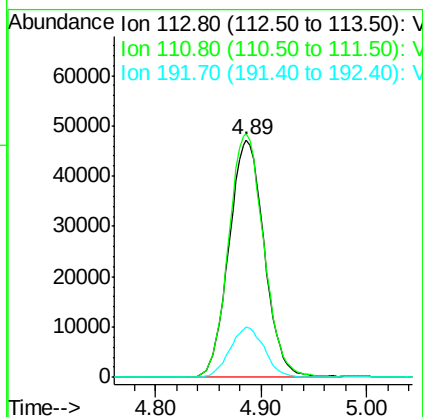
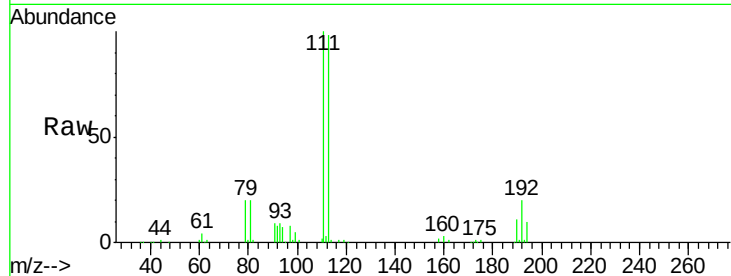
#35
 Dibromofluoromethane
 Concen: 52.13 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109350		
111	102.4		82.2	123.4
192	20.4		16.2	24.4

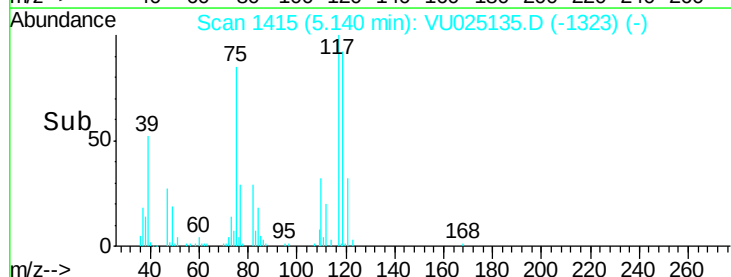
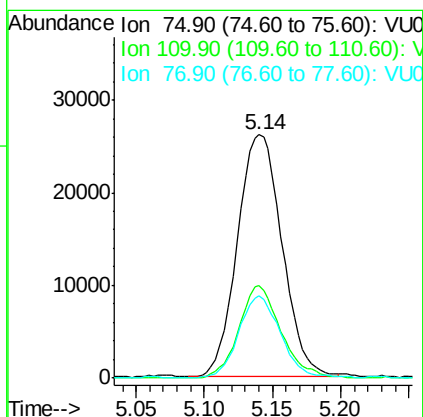
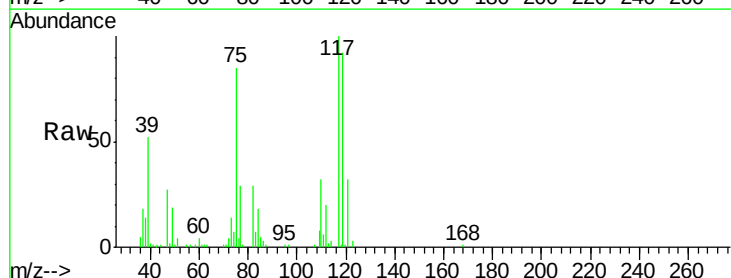
Manual Integrations
 APPROVED

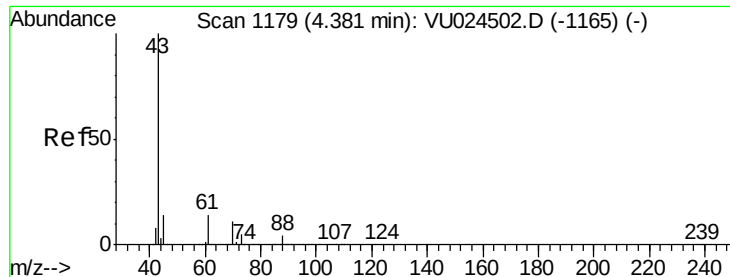
sam
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#36
 1,1-Dichloropropene
 Concen: 19.96 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59276		
110	36.1		17.0	50.9
77	32.0		24.2	36.4





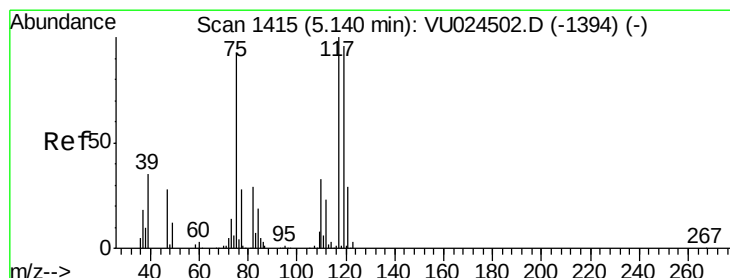
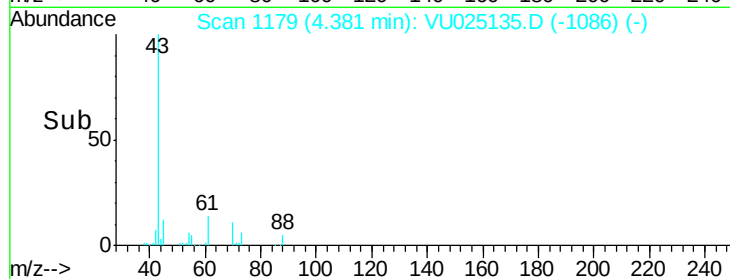
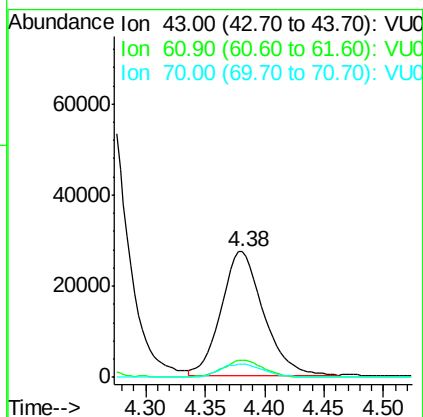
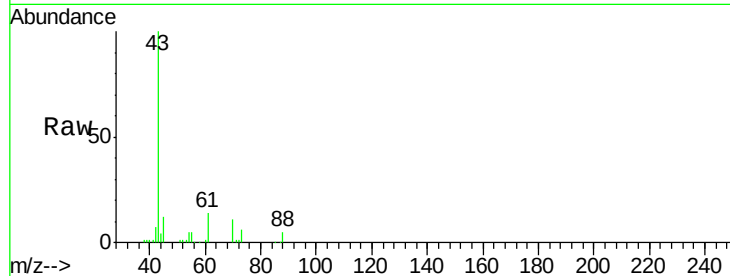
#37
Ethyl Acetate
Concen: 20.69 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.9	7.4	11.2

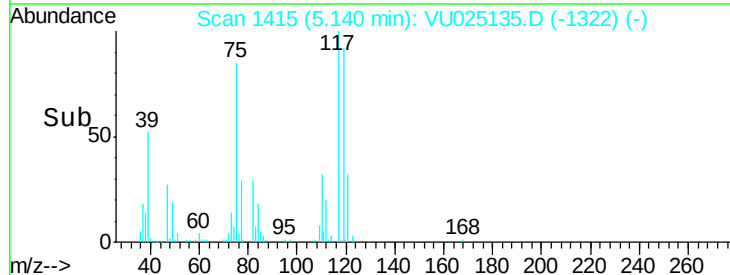
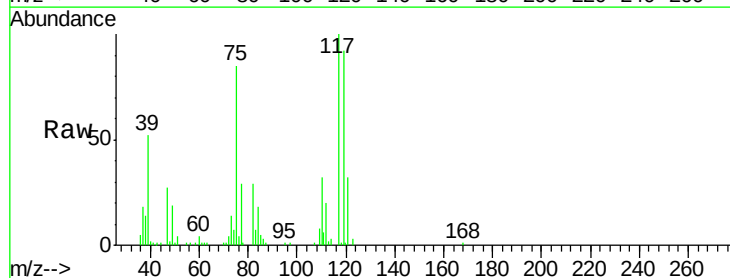
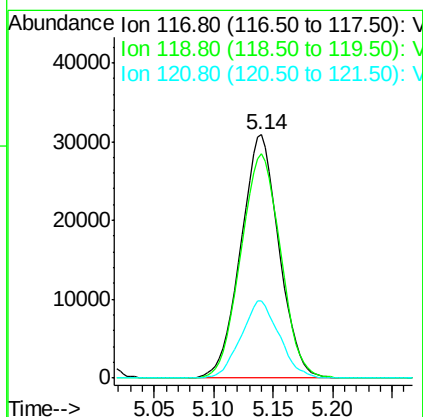
Manual Integrations
APPROVED

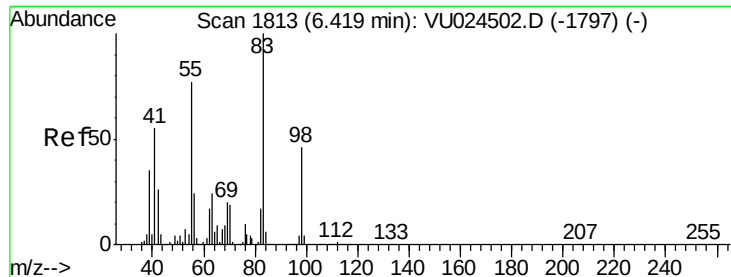
sam
7/3/2018 3:52:31 PM



#38
Carbon Tetrachloride
Concen: 21.04 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	76.1	114.1
121	31.9	23.7	35.5





#39

Methylvlcyclohexane

Concen: 20.94 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

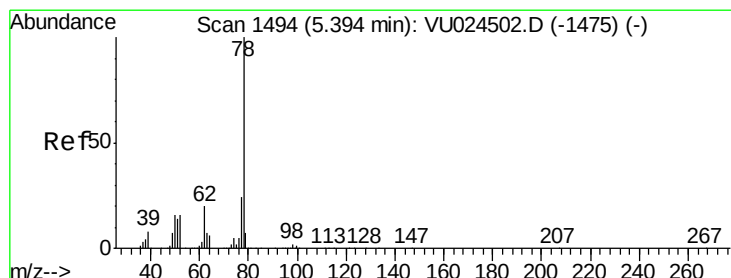
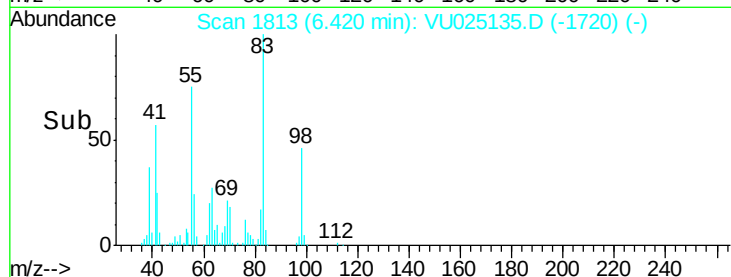
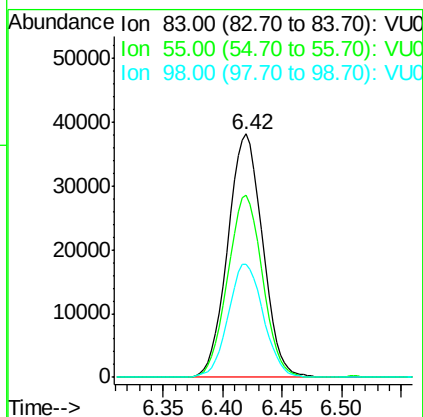
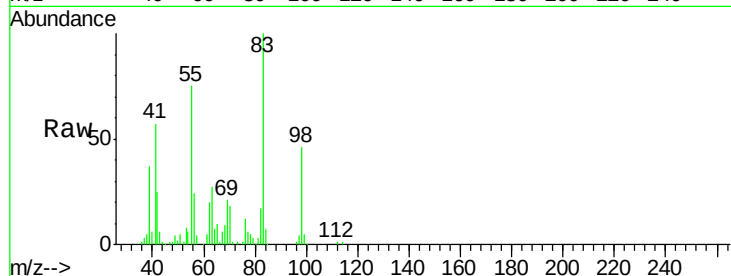
ClientSampleId :

VU0702WBS01

Tot Ion:	83	Resp:	77609
Ion	Ratio	Lower	Upper
83	100		
55	74.8	65.8	98.6
98	46.3	36.7	55.1

Manual Integrations
APPROVED

sam
7/3/2018 3:52:31 PM



#40

Benzene

Concen: 20.82 ug/l

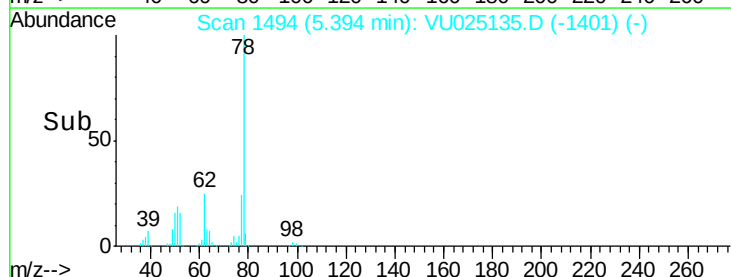
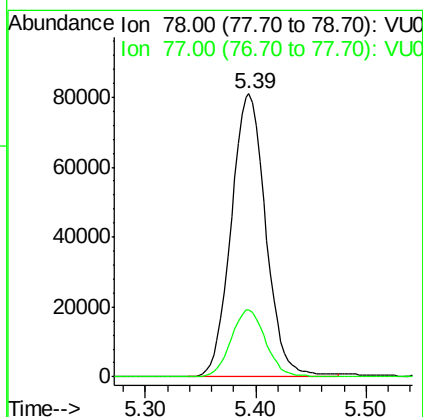
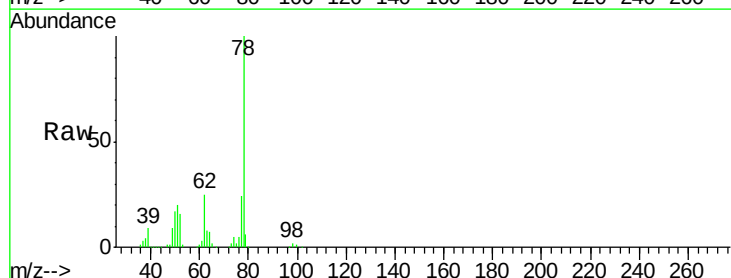
RT: 5.39 min Scan# 1494

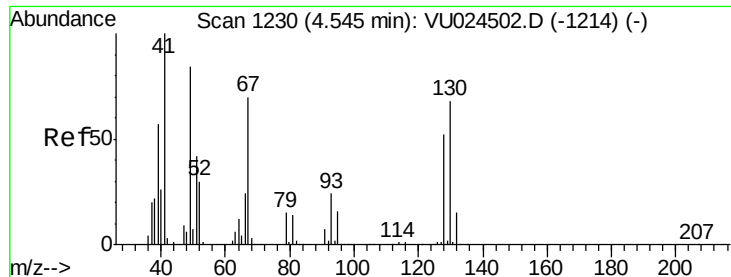
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	78	Resp:	176143
Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





#41

Methacrylonitrile

Concen: 21.59 ug/l

RT: 4.55 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 41 Resp: 37682

Ion Ratio Lower Upper

41 100

39 57.7 43.8 65.6

67 71.4 56.3 84.5

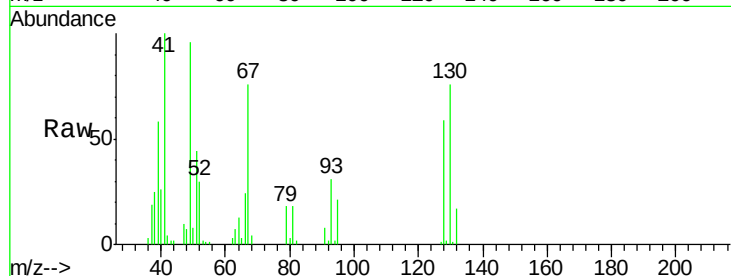
52 31.2 23.2 34.8

Manual Integrations

APPROVED

sam

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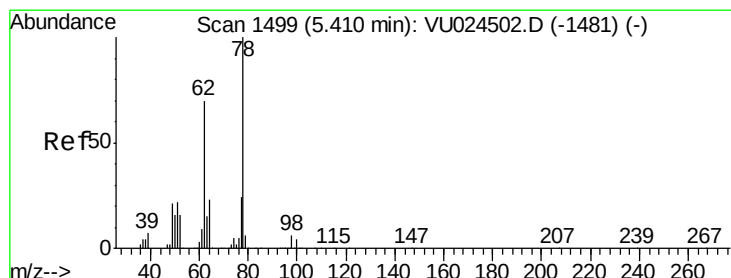
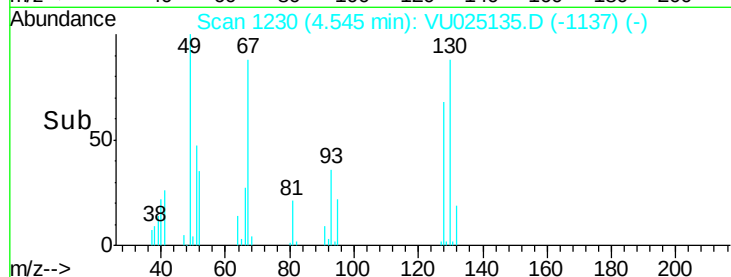
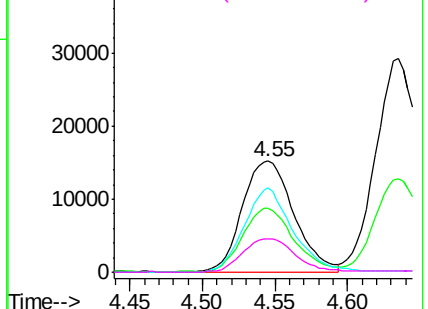
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#42

1,2-Dichloroethane

Concen: 22.65 ug/l

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU025135.D

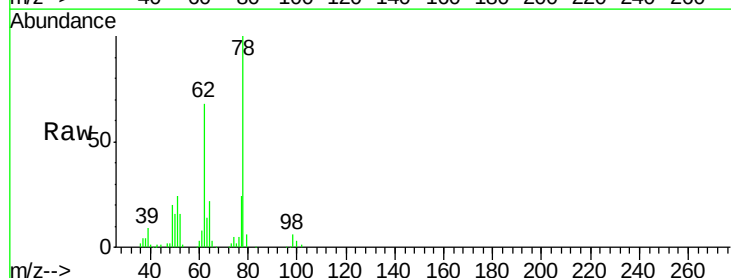
Acq: 02 Jul 2018 11:49

Tgt Ion: 62 Resp: 72985

Ion Ratio Lower Upper

62 100

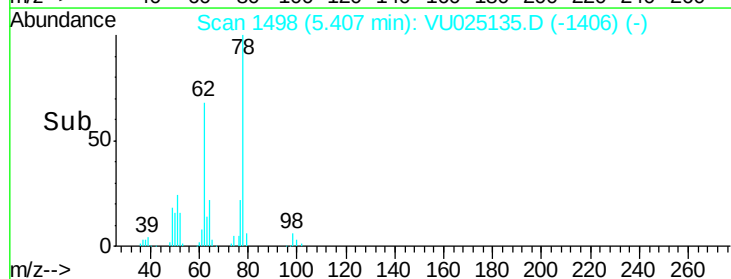
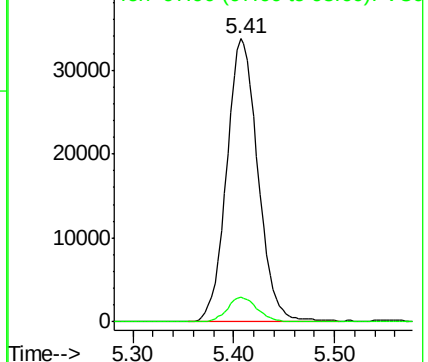
98 8.3 0.0 16.6

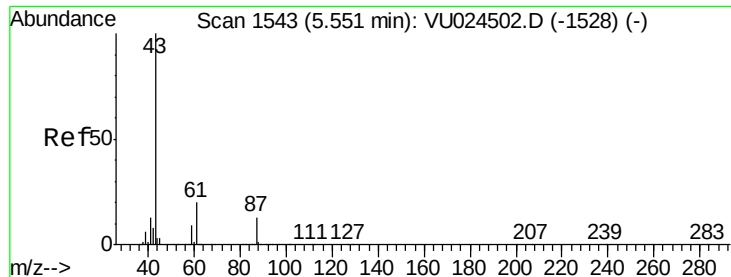


Abundance

Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 19.61 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

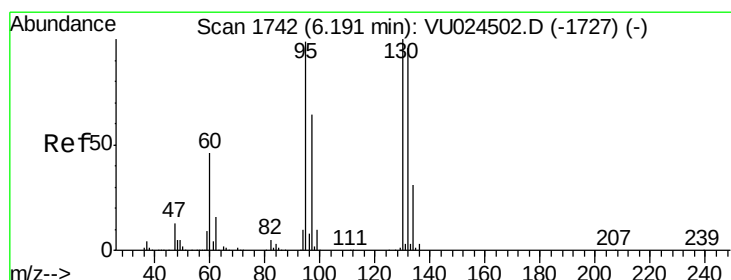
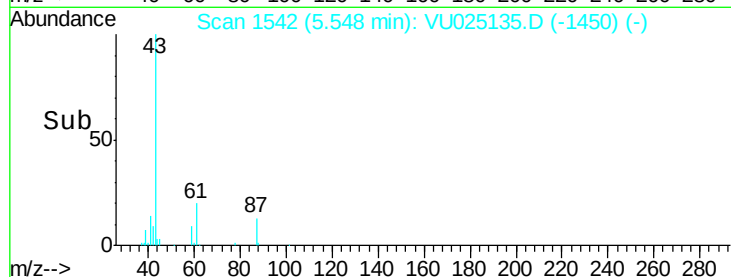
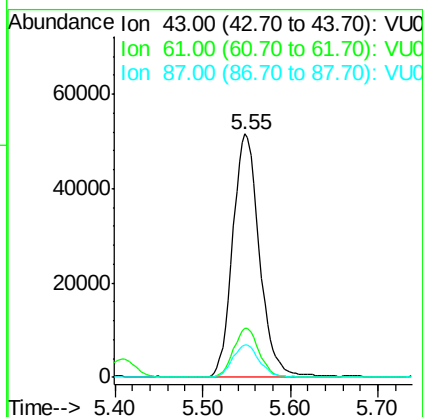
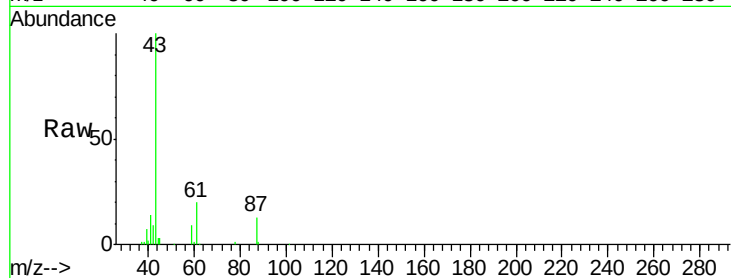
ClientSampleId :

VU0702WBS01

Tot Ion:	43	Resp:	109721
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
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sam
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#44

Trichloroethene

Concen: 20.36 ug/l

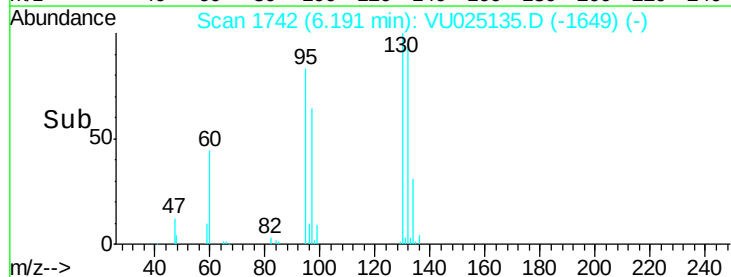
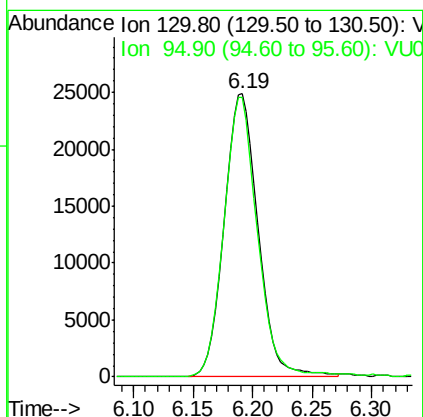
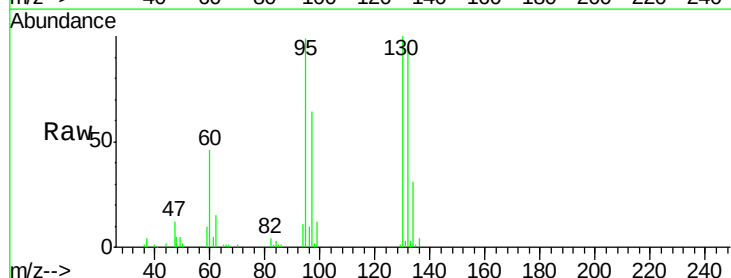
RT: 6.19 min Scan# 1742

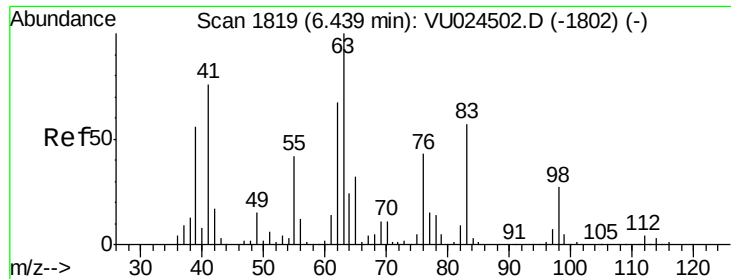
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	130	Resp:	49024
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	202.4





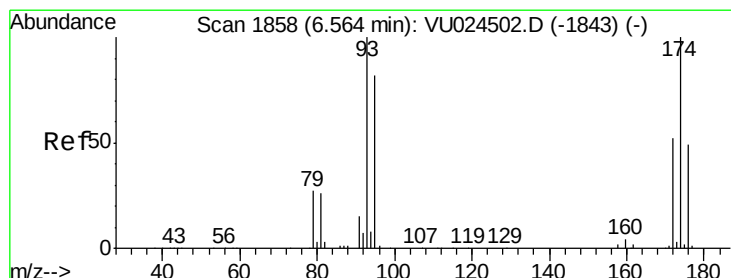
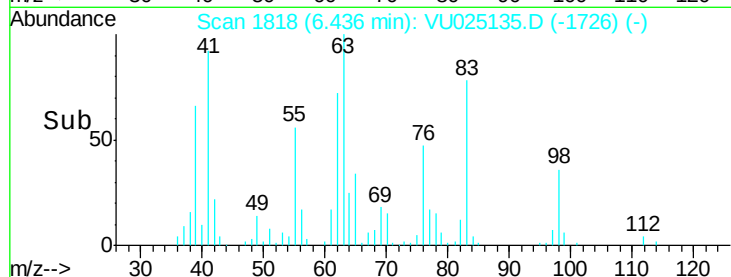
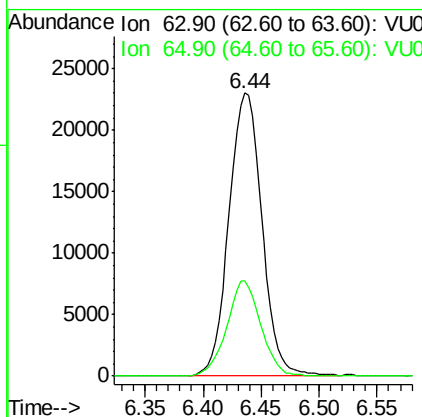
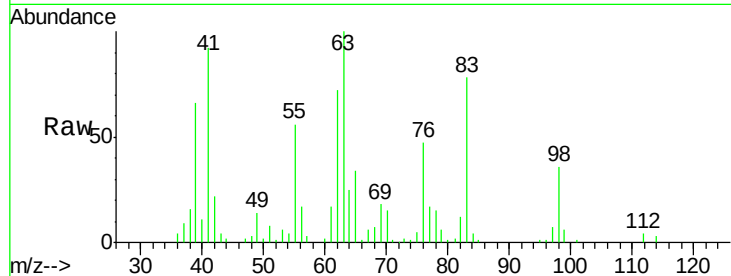
#45
 1,2-Dichloropropane
 Concen: 20.23 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion: 63 Resp: 45681
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.8 37.2

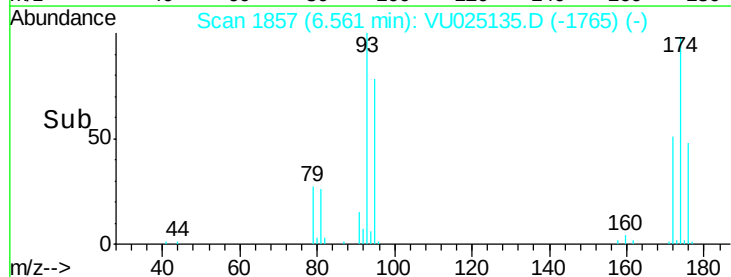
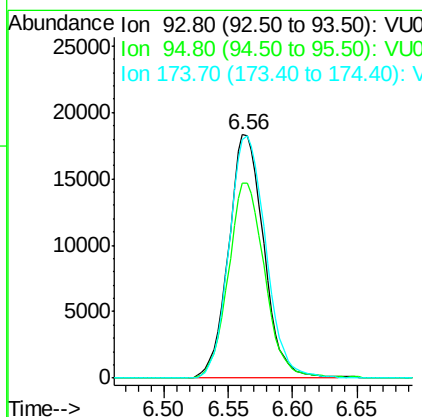
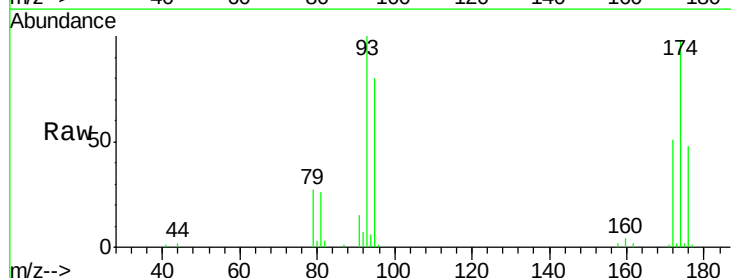
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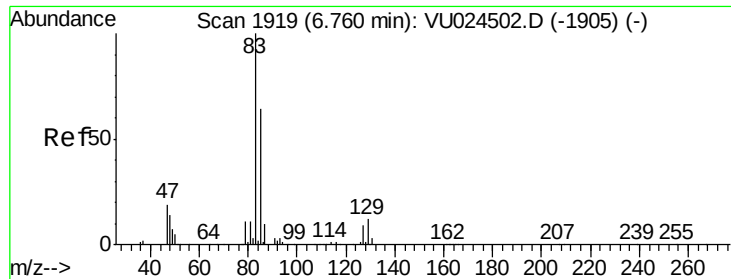
sam
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#46
 Dibromomethane
 Concen: 21.94 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion: 93 Resp: 34791
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.5 98.3
 174 103.1 78.7 118.1





#47

Bromodichloromethane

Concen: 20.57 ug/l

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

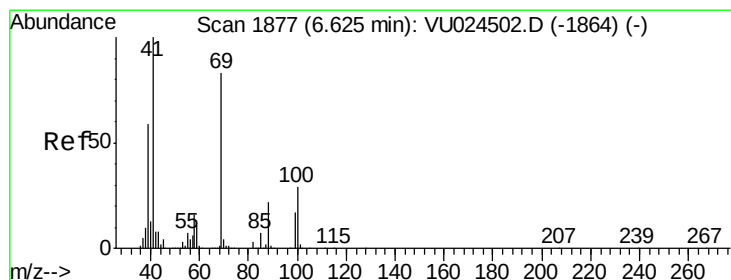
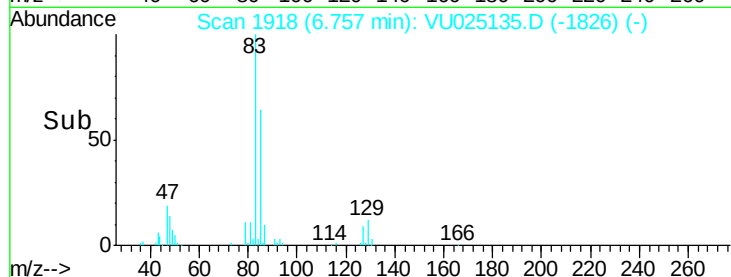
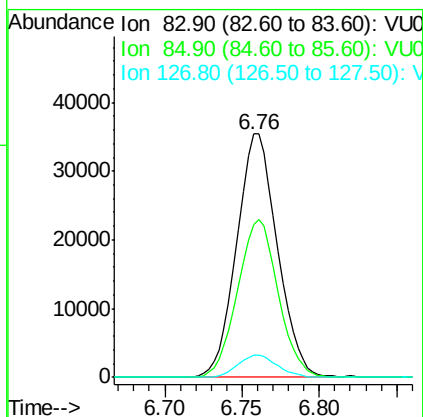
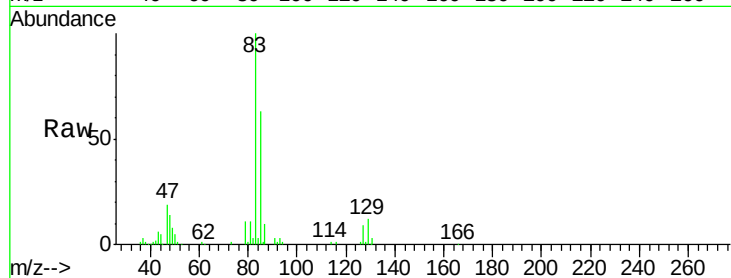
ClientSampleId :

VU0702WBS01

Tot Ion:	83	Resp:	64953
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.9	77.9
127	8.9	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.02 ug/l

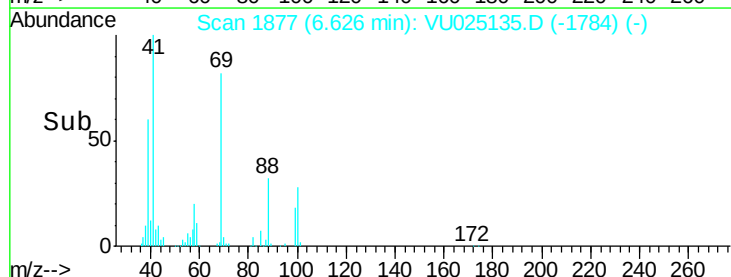
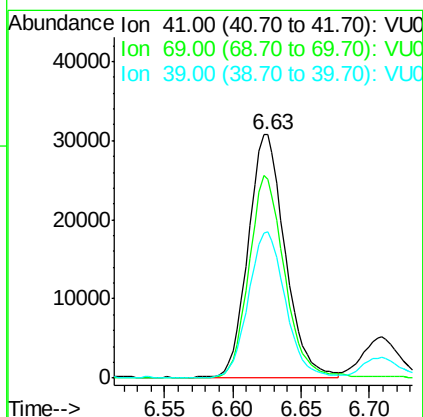
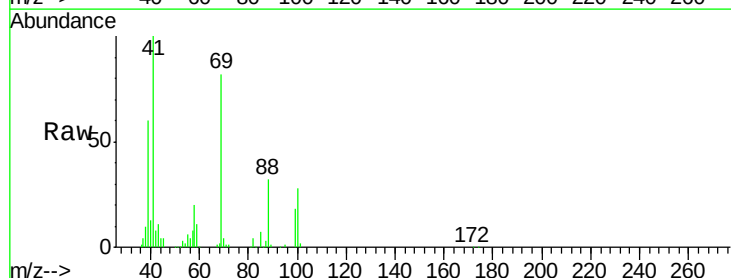
RT: 6.63 min Scan# 1877

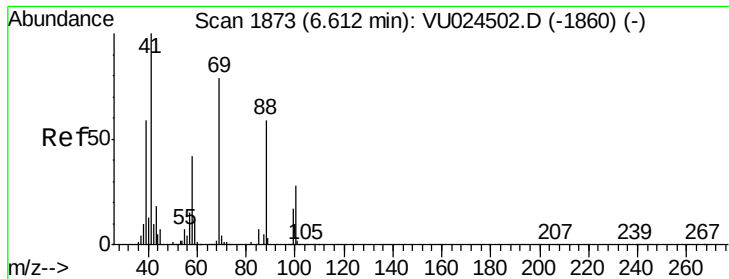
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	41	Resp:	57257
Ion	Ratio	Lower	Upper
41	100		
69	82.0	67.3	100.9
39	60.6	46.5	69.7





#49

1,4-Dioxane

Concen: 481.42 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

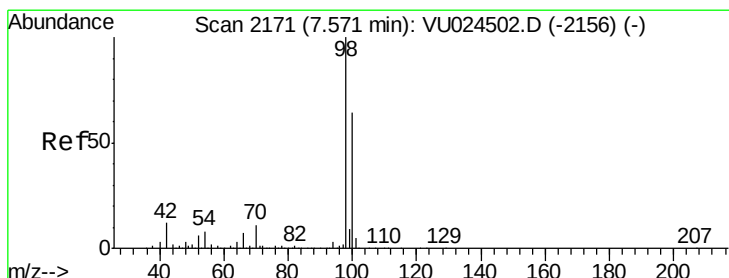
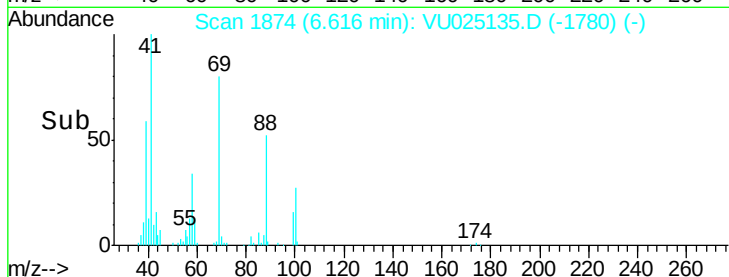
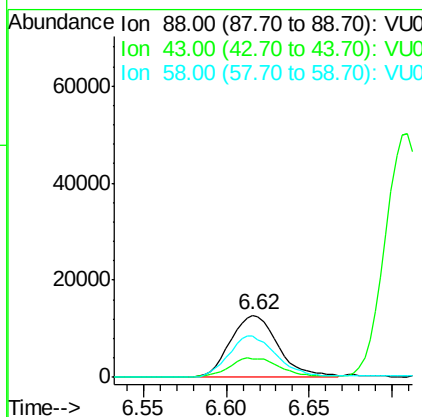
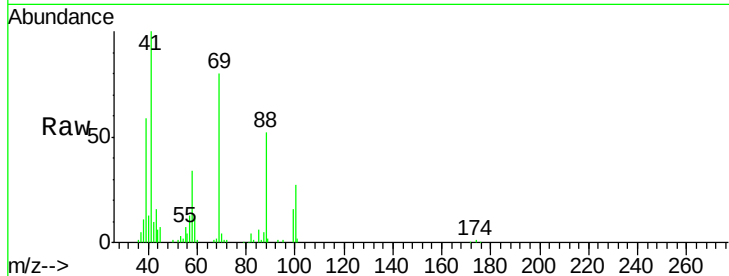
ClientSampleId :

VU0702WBS01

Tot Ion:	88	Resp:	25650
Ion	Ratio	Lower	Upper
88	100		
43	34.0	28.6	42.8
58	68.0	58.2	87.4

Manual Integrations
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#50

Toluene-d8

Concen: 46.17 ug/l

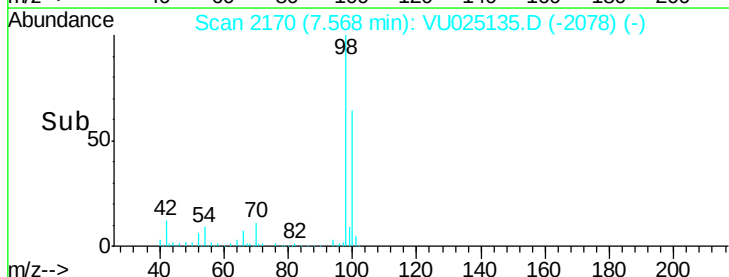
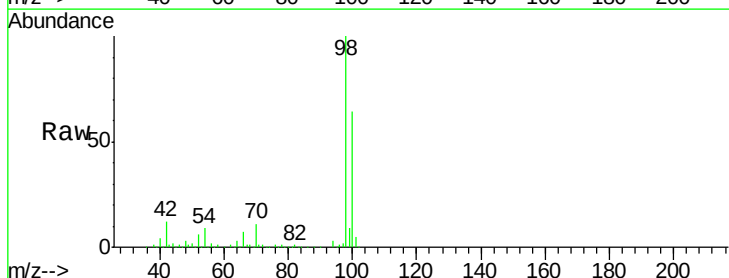
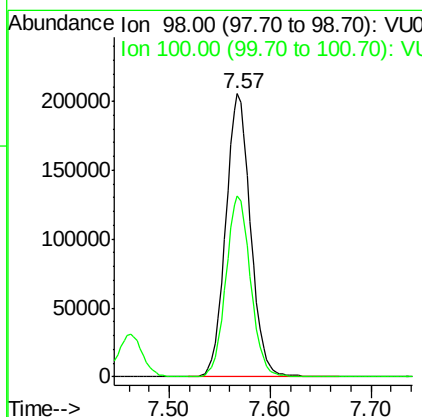
RT: 7.57 min Scan# 2170

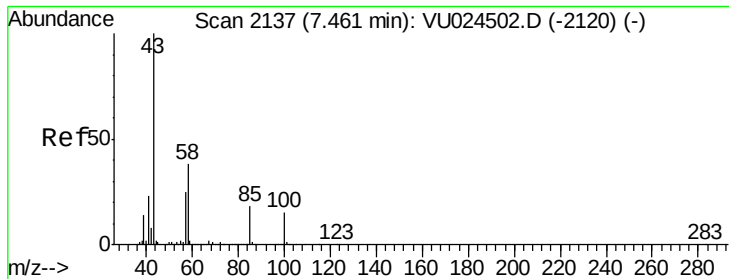
Delta R.T. -0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	98	Resp:	353200
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.1	76.7





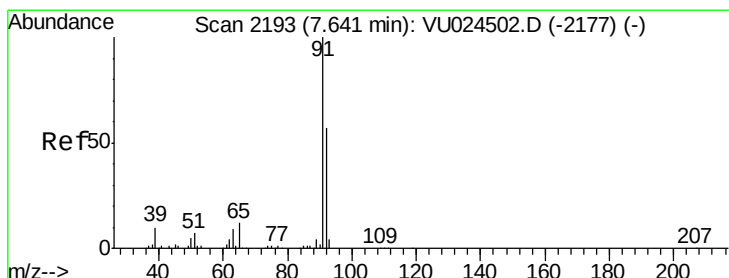
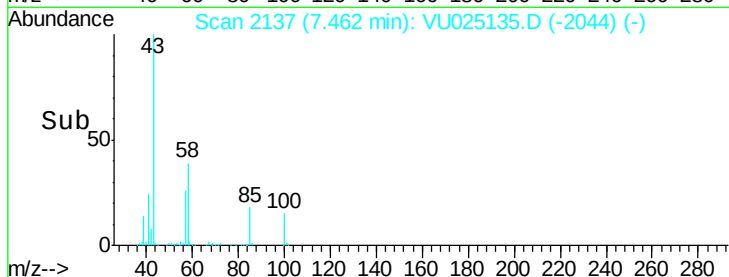
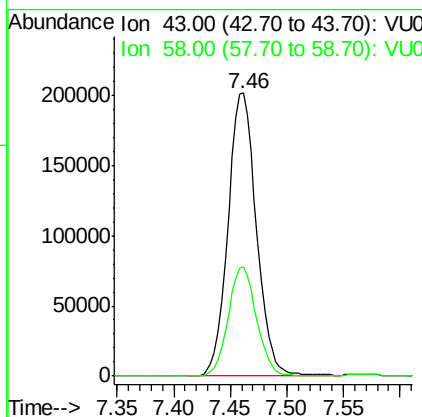
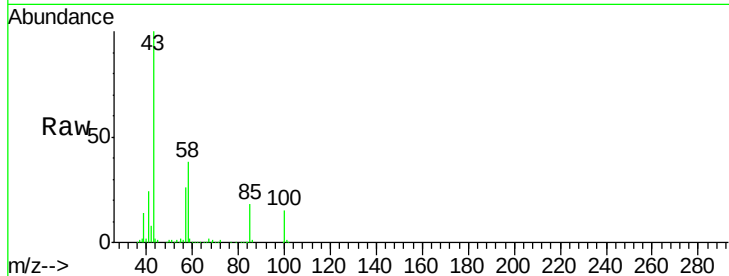
#51
 4-Methyl-2-Pentanone
 Concen: 100.56 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.0	45.0

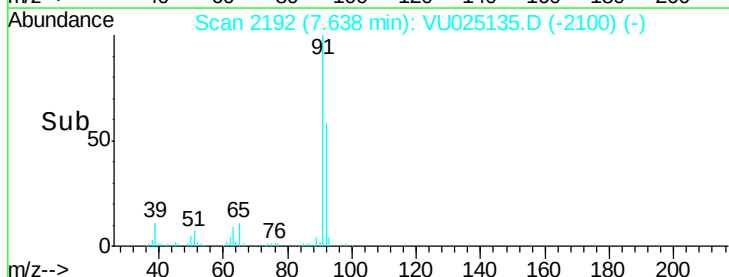
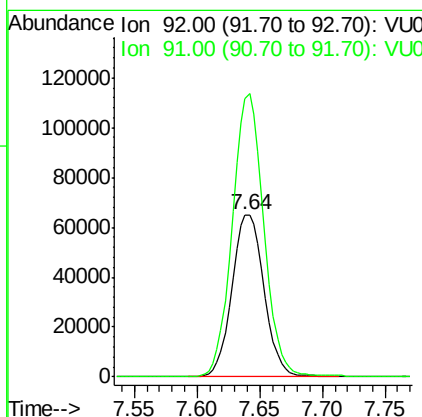
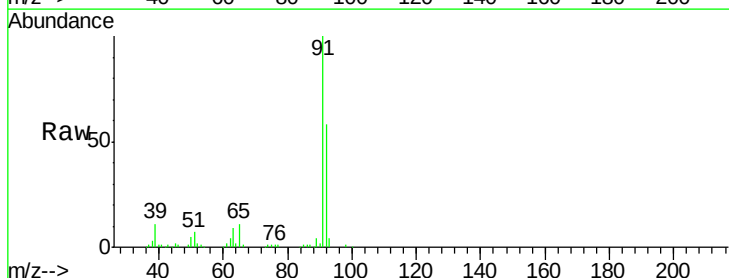
Manual Integrations
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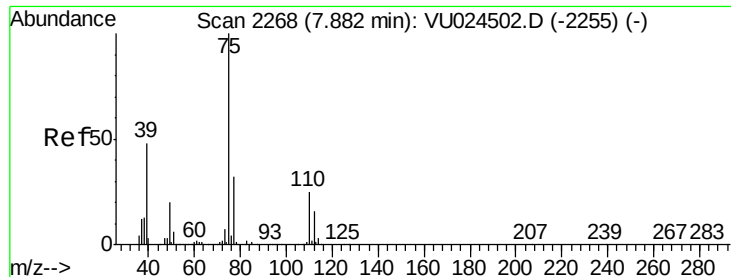
sam
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#52
 Toluene
 Concen: 21.23 ug/l
 RT: 7.64 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.6	140.5	210.7





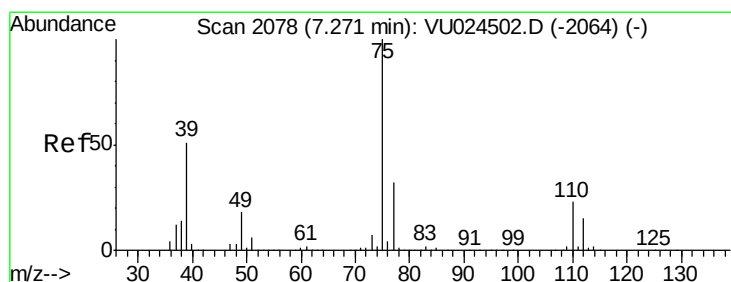
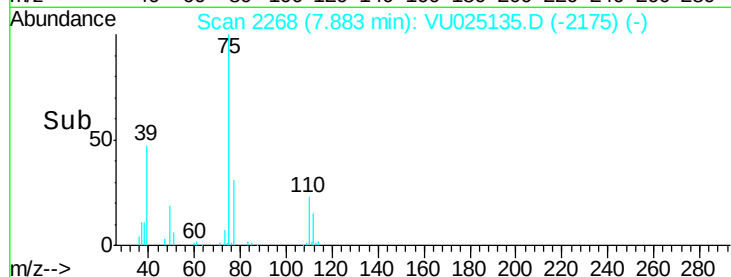
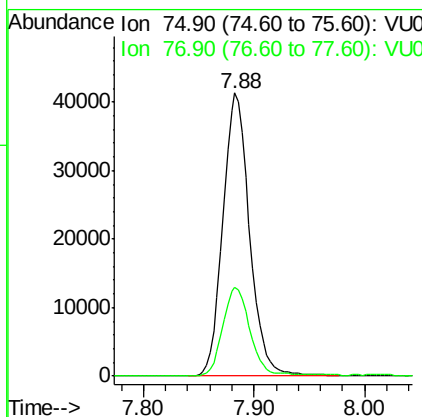
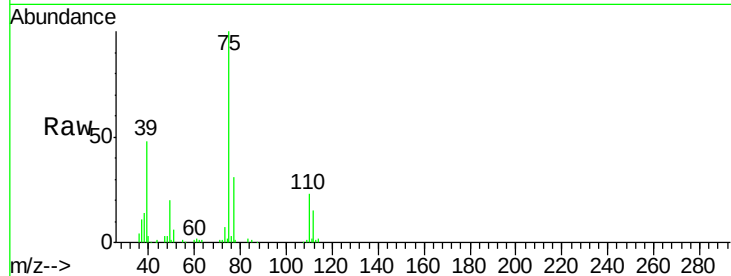
#53
t-1,3-Dichloropropene
Concen: 19.56 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

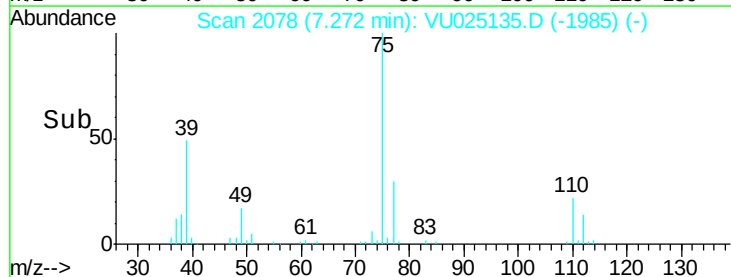
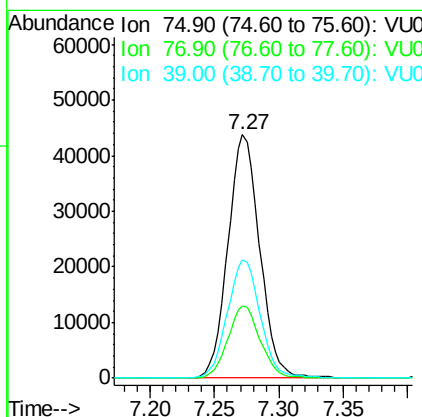
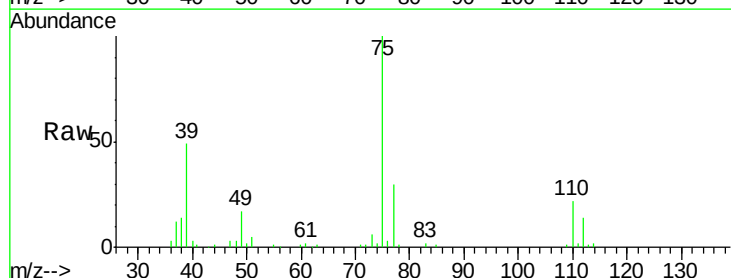
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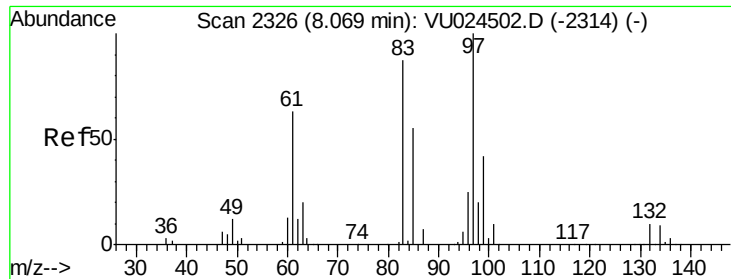
sam
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#54
cis-1,3-Dichloropropene
Concen: 19.83 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.6	36.8
39	48.7	39.8	59.6





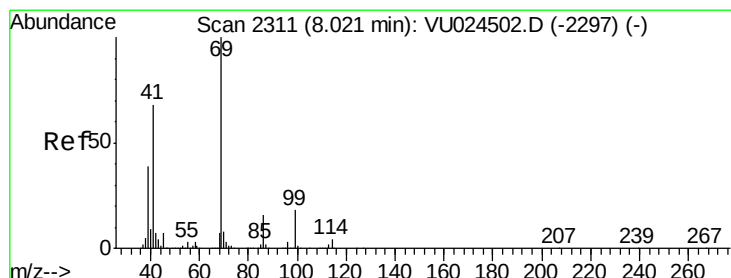
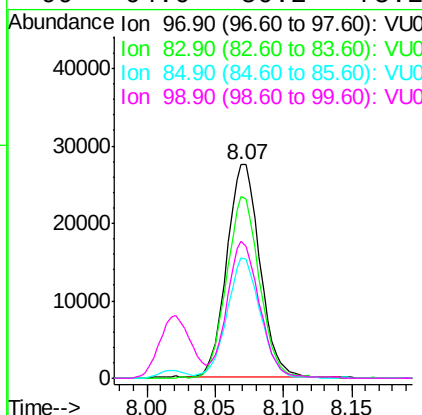
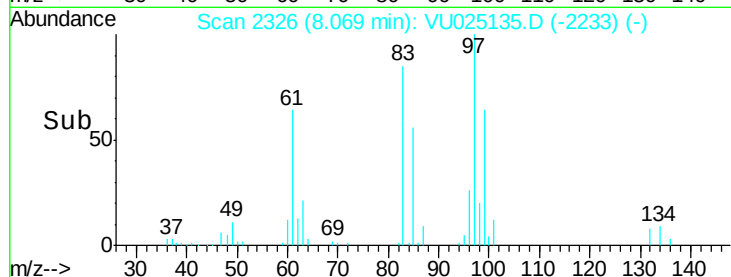
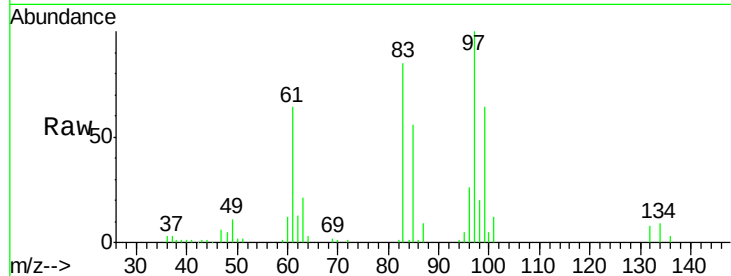
#55
 1,1,2-Trichloroethane
 Concen: 21.00 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion:	97	Resp:	46463
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.5	105.7
85	56.4	46.4	69.6
99	64.0	50.2	75.2

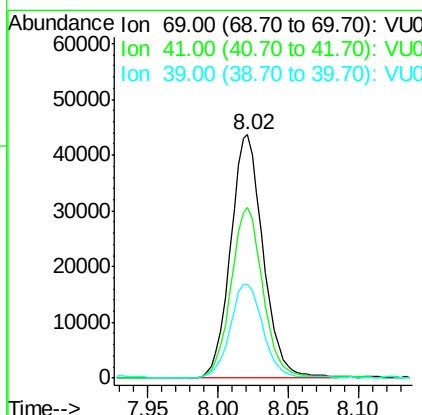
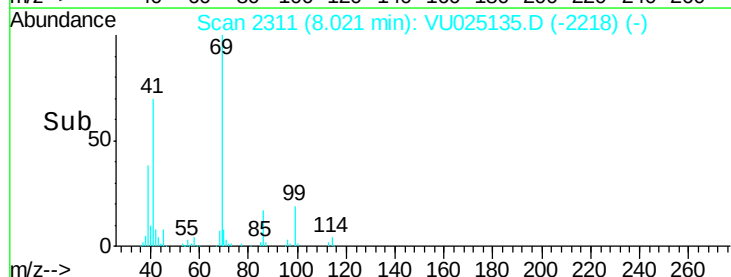
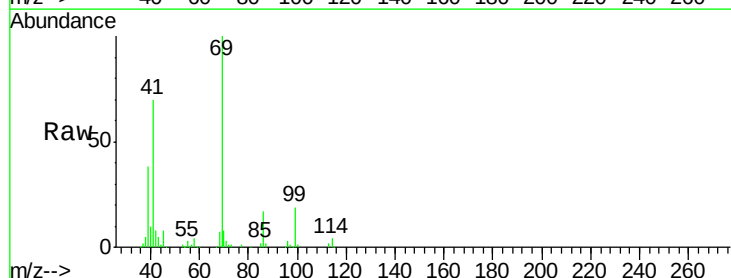
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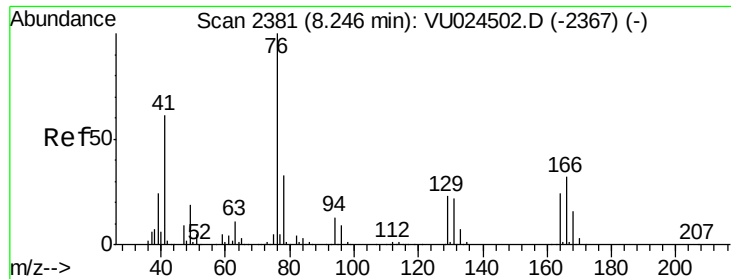
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#56
 Ethyl methacrylate
 Concen: 19.07 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion:	69	Resp:	70640
Ion	Ratio	Lower	Upper
69	100		
41	68.8	54.1	81.1
39	39.1	30.3	45.5





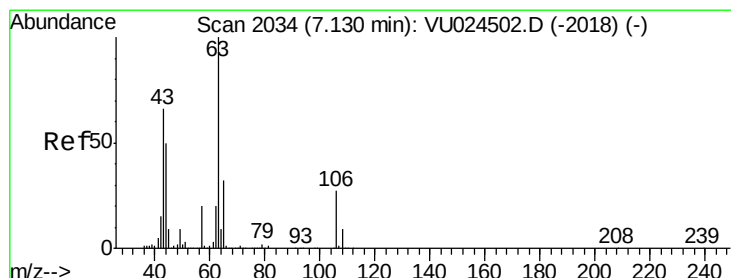
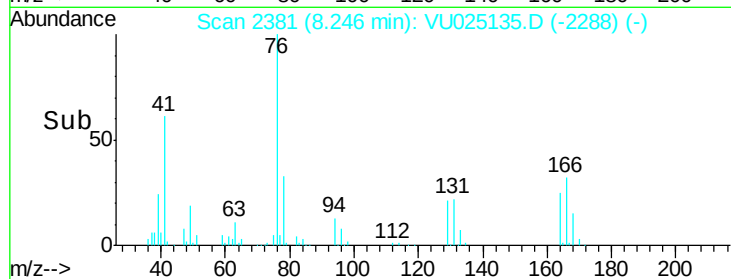
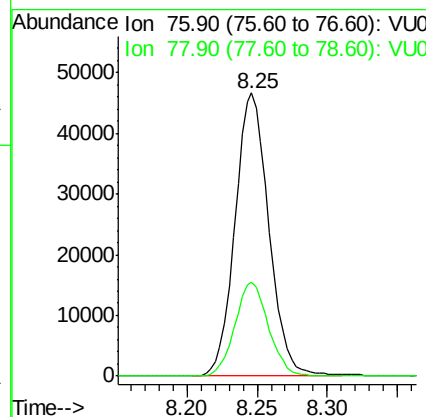
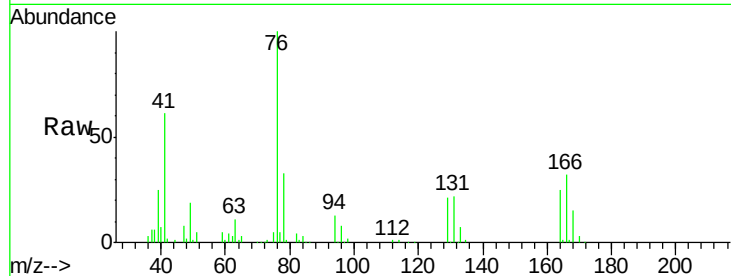
#57
 1,3-Dichloropropane
 Concen: 20.97 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion: 76 Resp: 78283
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.2 37.8

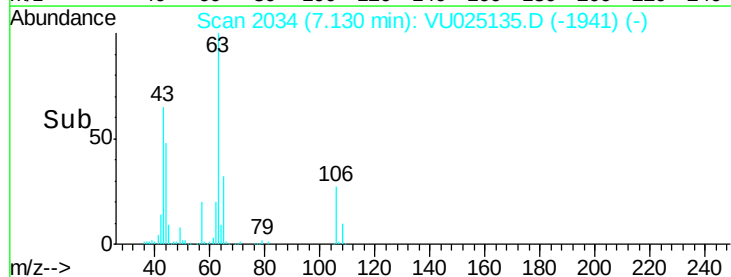
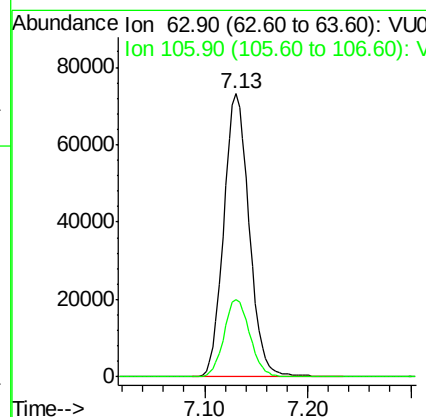
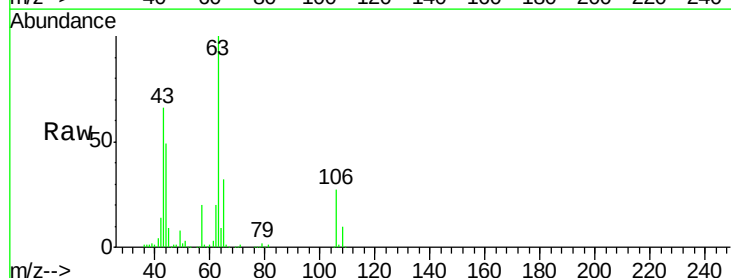
Manual Integrations
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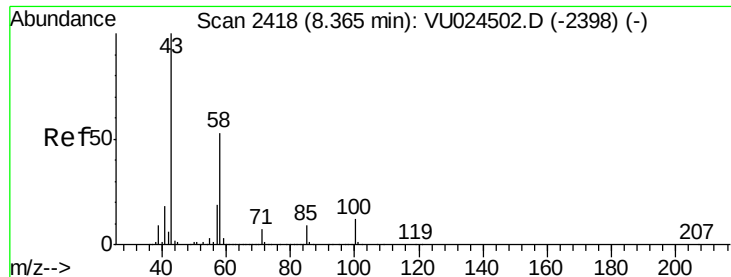
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#58
 2-Chloroethyl Vinyl ether
 Concen: 88.42 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion: 63 Resp: 125478
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.2 30.2





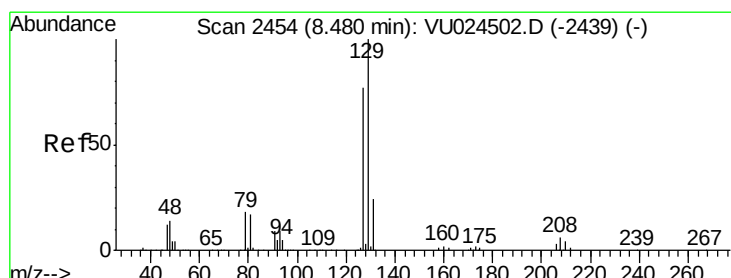
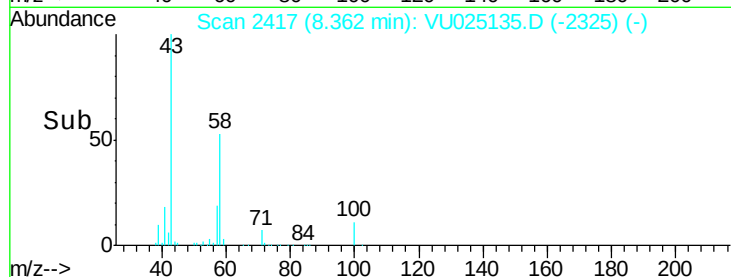
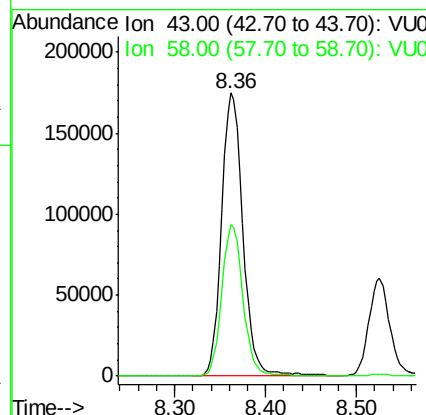
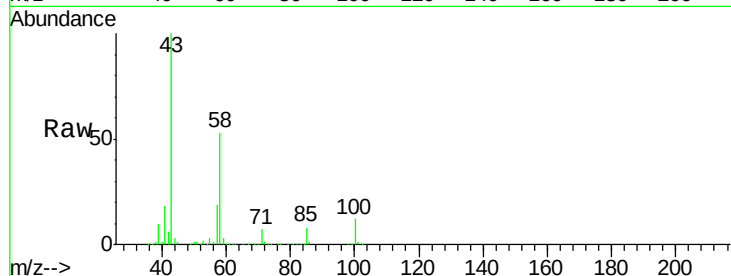
#59
2-Hexanone
Concen: 99.74 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.4	79.0

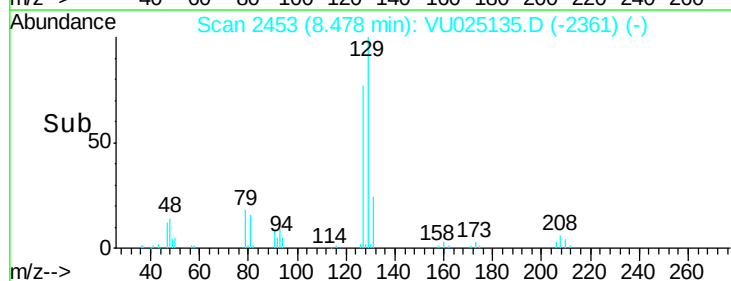
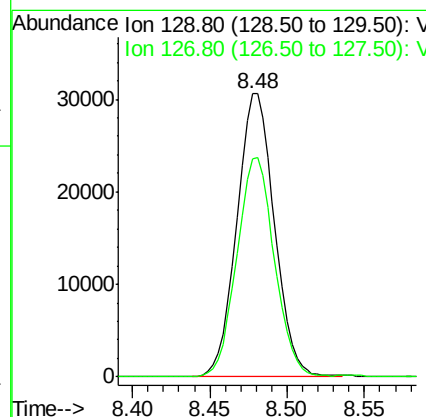
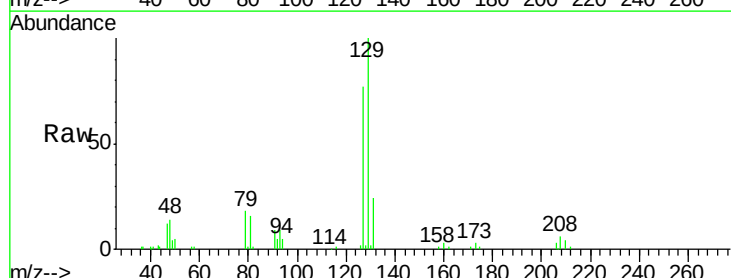
Manual Integrations
APPROVED

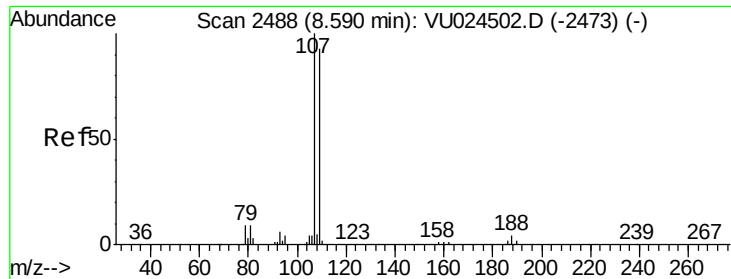
sam
7/3/2018 3:52:31 PM



#60
Dibromochloromethane
Concen: 18.69 ug/l
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	116.0





#61

1,2-Dibromoethane

Concen: 20.31 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion:107 Resp: 50028

Ion Ratio Lower Upper

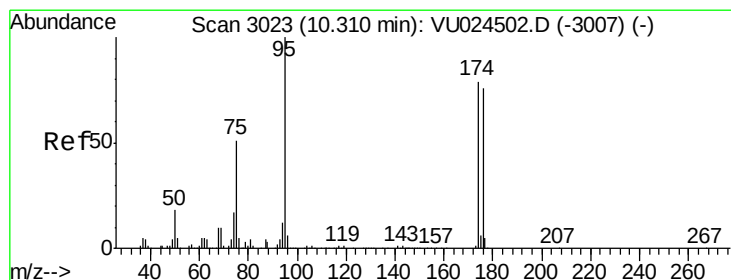
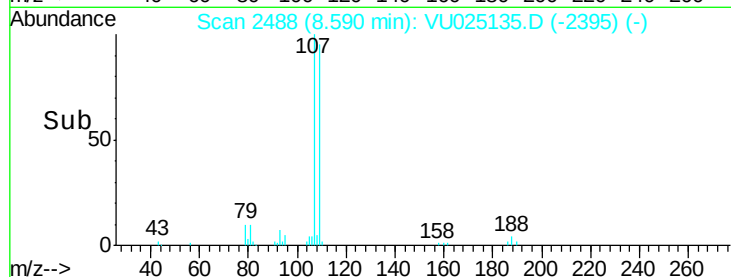
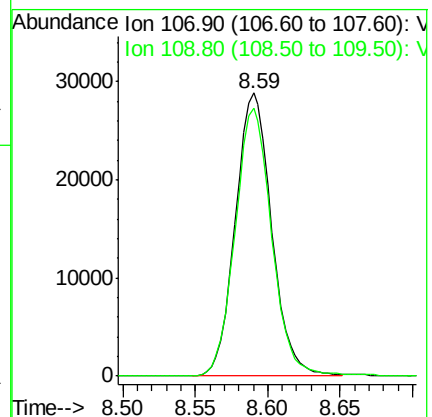
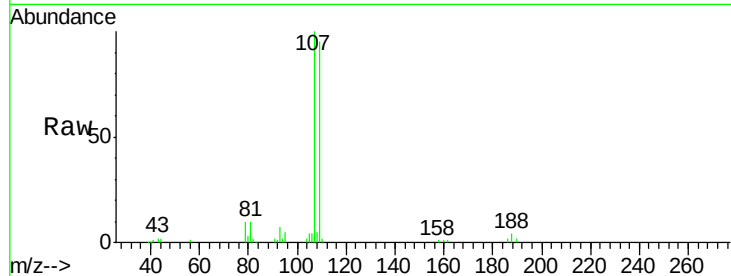
107 100

109 96.0 74.5 111.7

Manual Integrations
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sam

7/3/2018 3:52:31 PM



#62

4-Bromofluorobenzene

Concen: 49.14 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

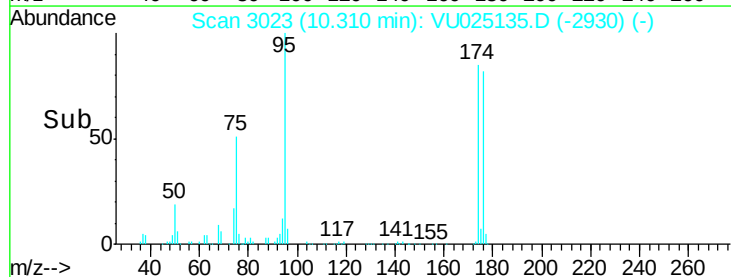
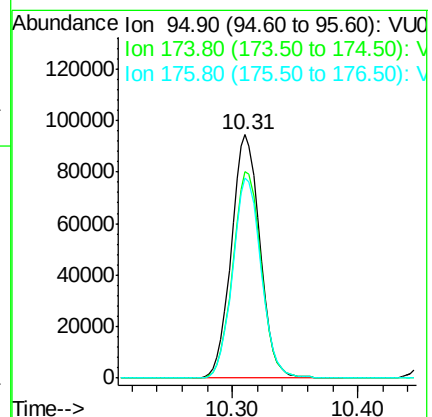
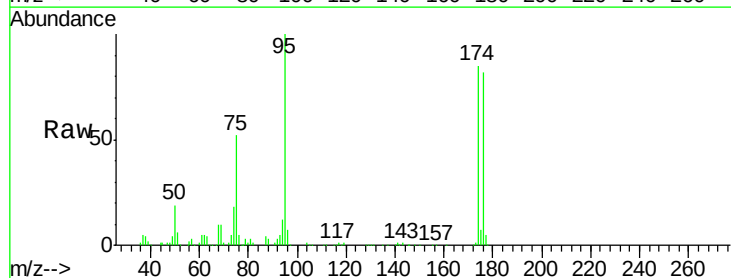
Tgt Ion: 95 Resp: 149259

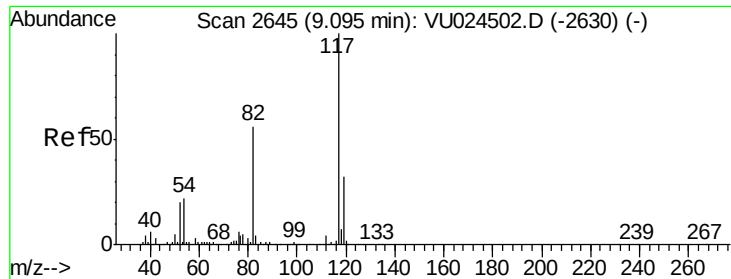
Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

176 82.1 0.0 159.4





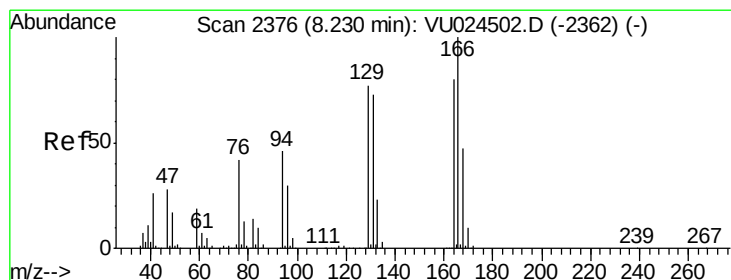
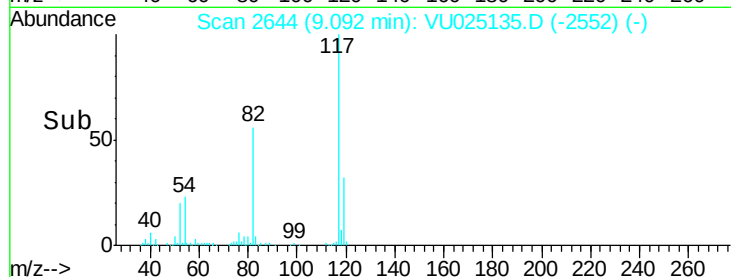
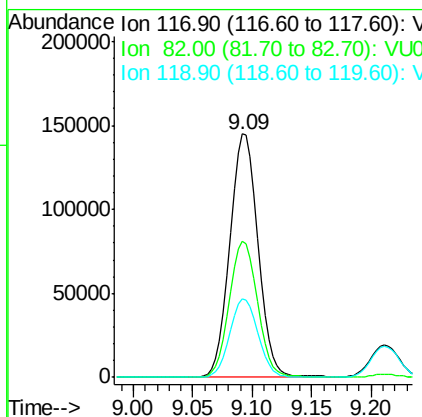
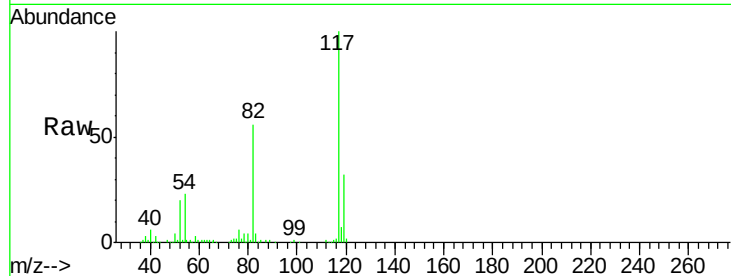
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239049		
82	55.9	44.3	66.5	
119	32.3	25.4	38.2	

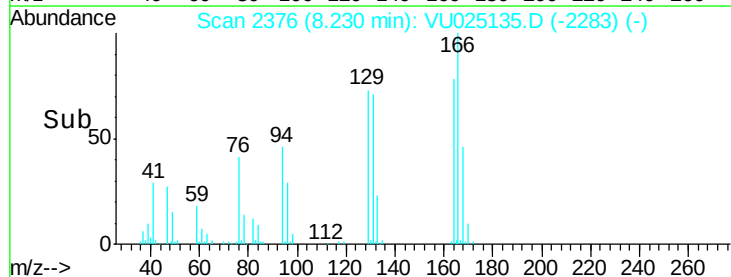
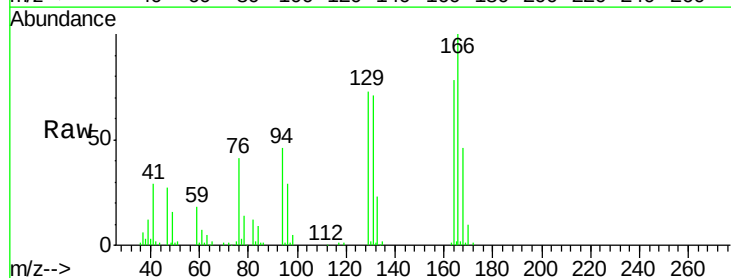
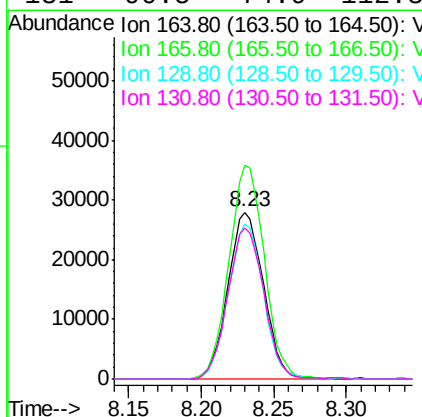
Manual Integrations
APPROVED

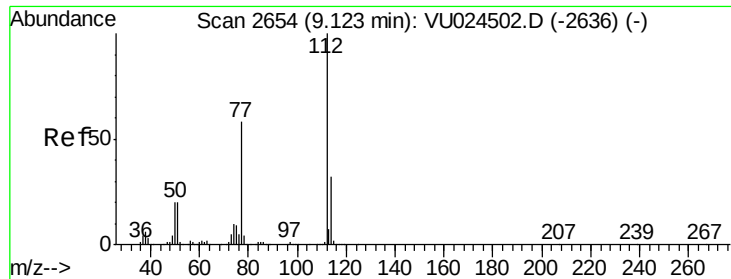
sam
7/3/2018 3:52:31 PM



#64
Tetrachloroethene
Concen: 20.89 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47460		
166	128.0	101.7	152.5	
129	92.9	76.9	115.3	
131	90.5	74.9	112.3	





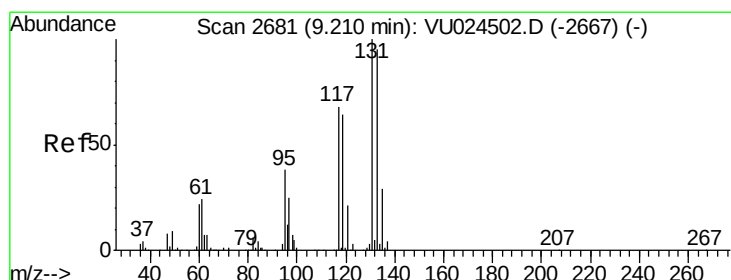
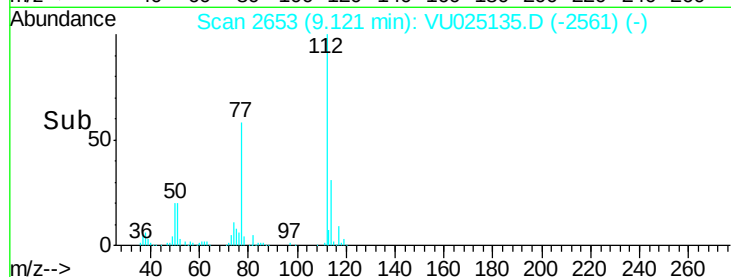
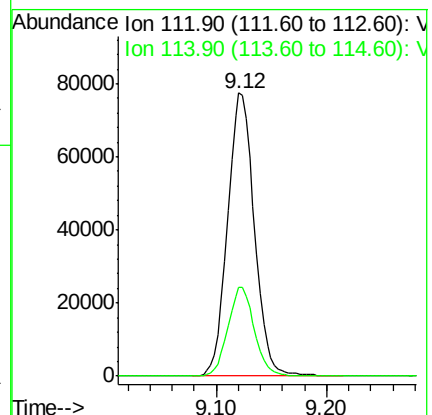
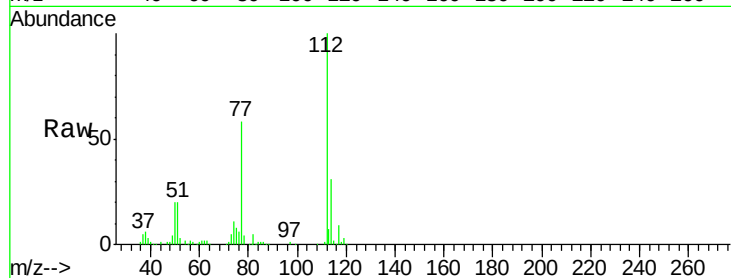
#65
Chlorobenzene
Concen: 21.38 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion:112 Resp: 130577
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

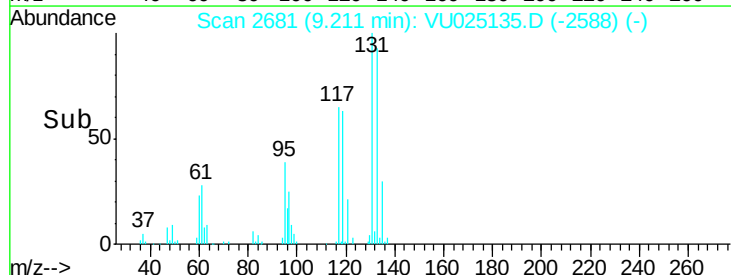
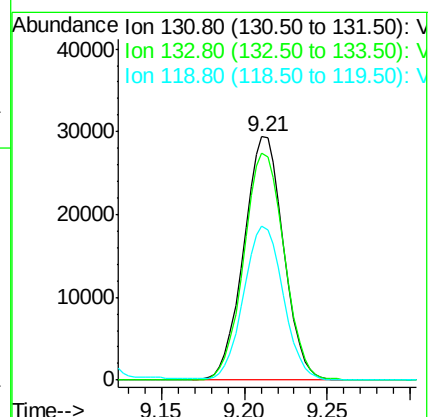
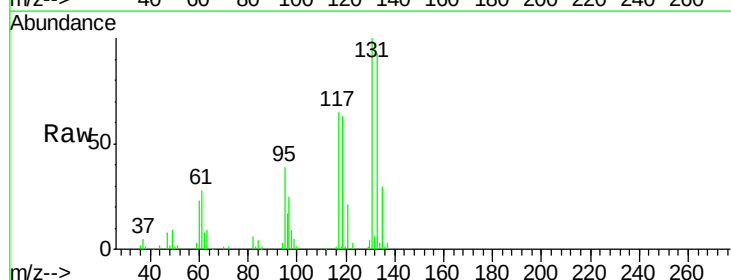
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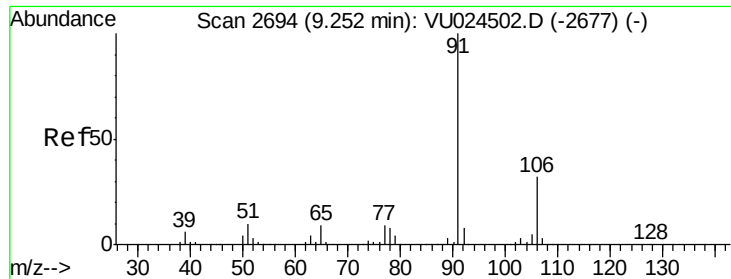
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.07 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion:131 Resp: 48886
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.8
119 63.3 33.5 100.4





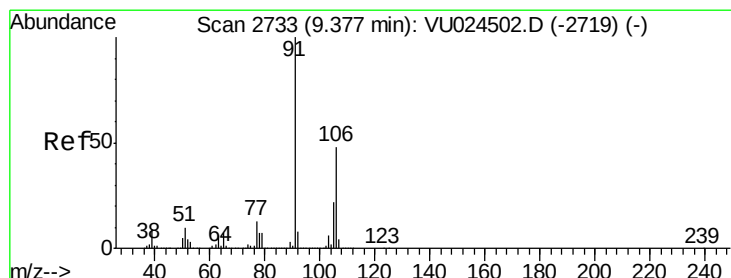
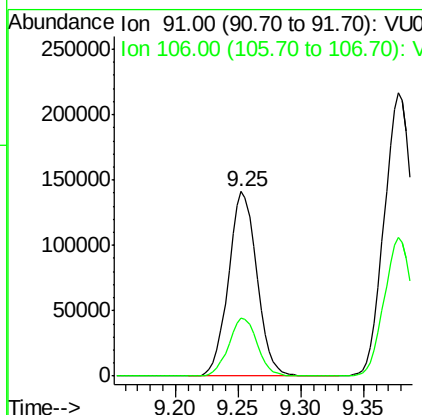
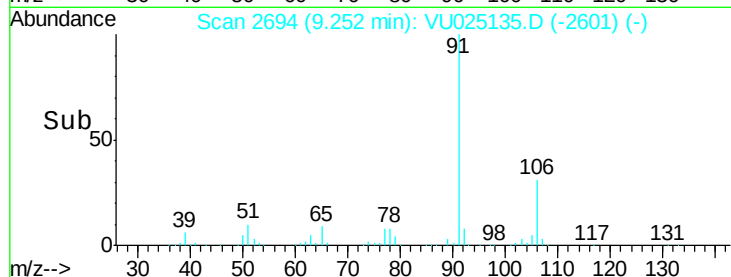
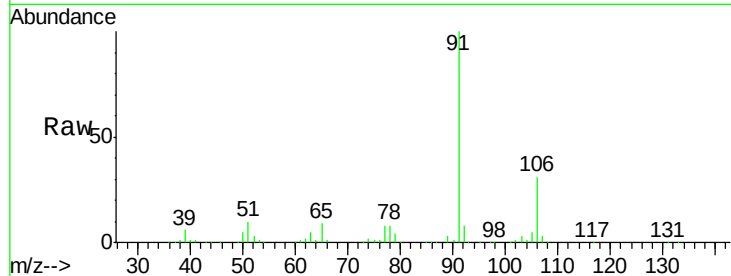
#67
Ethyl Benzene
Concen: 20.76 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion: 91 Resp: 222252
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

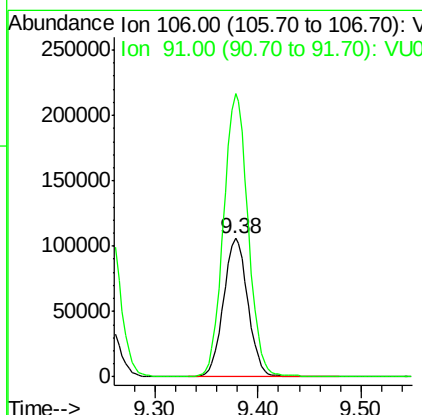
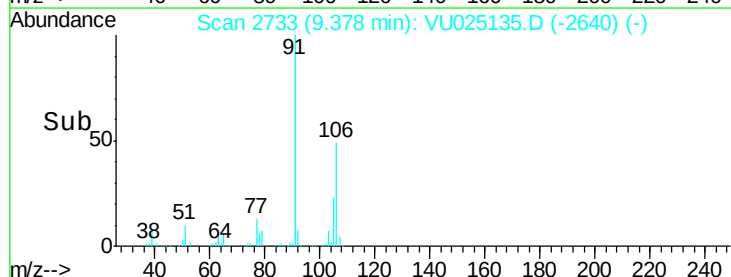
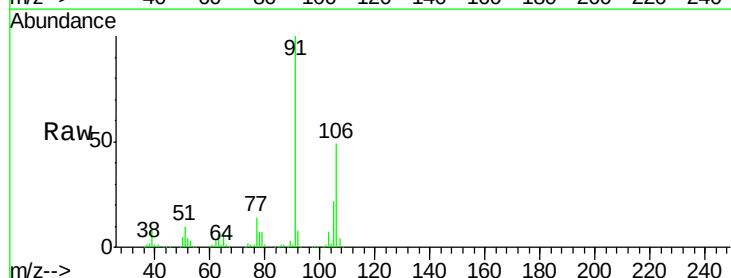
Manual Integrations
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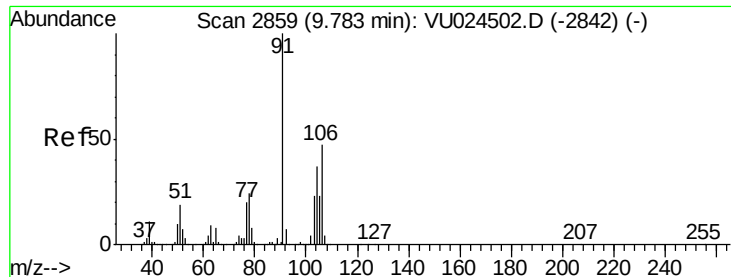
sam
7/3/2018 3:52:31 PM



#68
m/p-Xylenes
Concen: 42.60 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion: 106 Resp: 175139
Ion Ratio Lower Upper
106 100
91 205.4 166.5 249.7





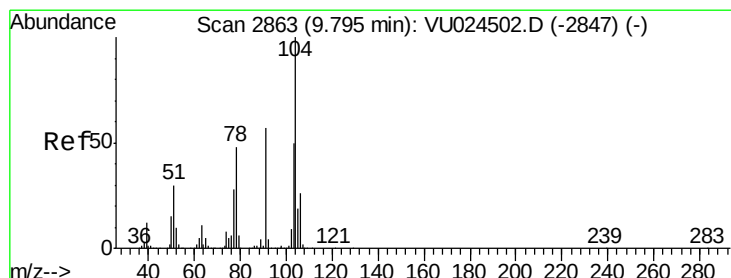
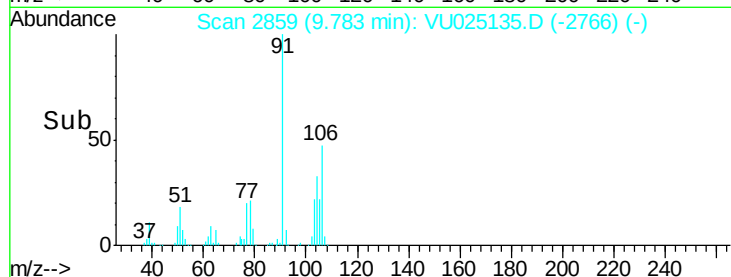
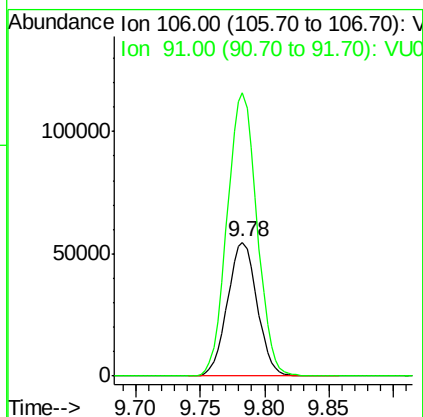
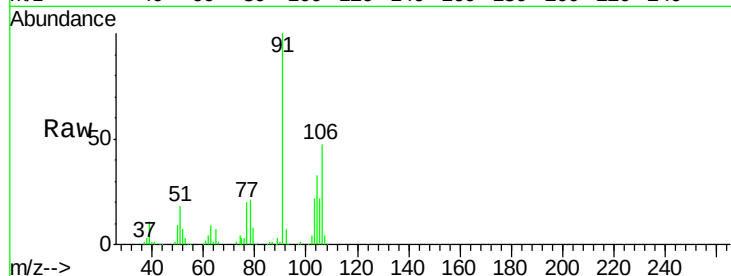
#69
o-Xylene
Concen: 21.49 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion:106 Resp: 87444
Ion Ratio Lower Upper
106 100
91 213.1 110.7 331.9

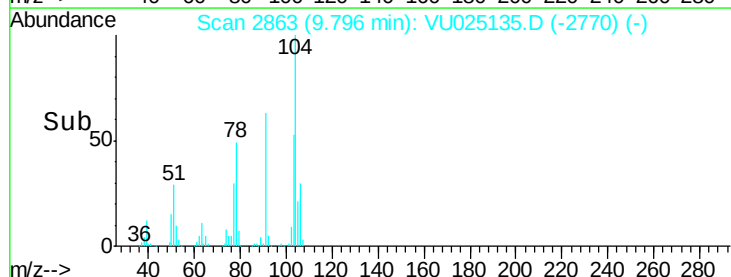
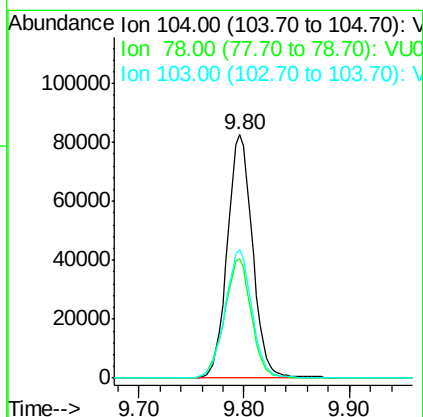
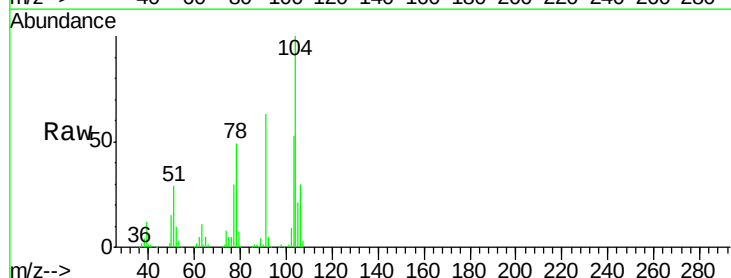
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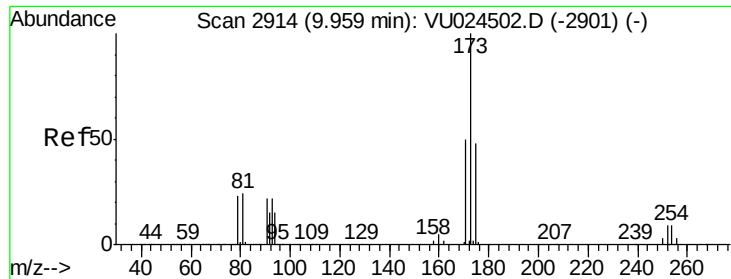
sam
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#70
Styrene
Concen: 20.47 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion:104 Resp: 136844
Ion Ratio Lower Upper
104 100
78 52.0 40.6 60.8
103 55.7 44.7 67.1





#71

Bromoform

Concen: 18.21 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

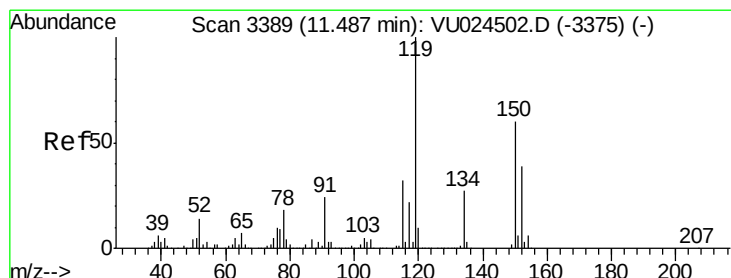
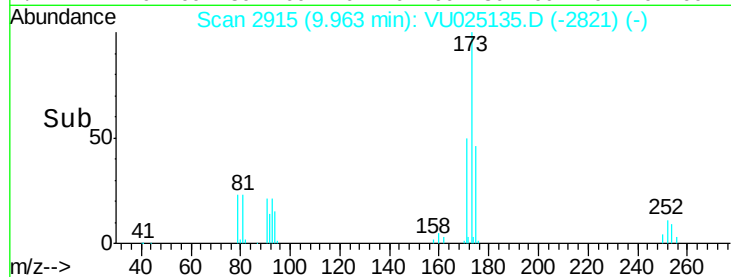
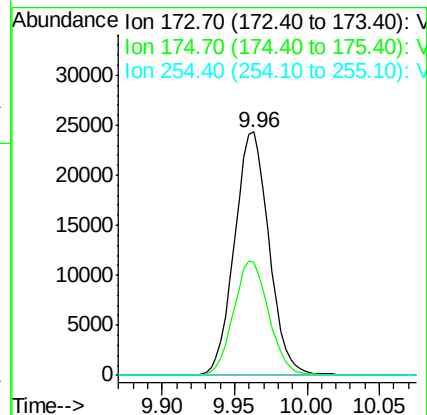
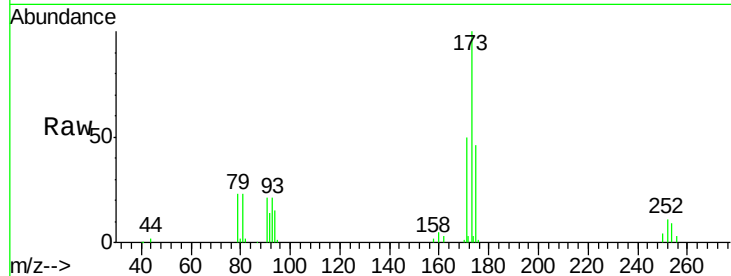
ClientSampleId :

VU0702WBS01

Tot Ion:173	Resp:	40161
Ion Ratio	Lower	Upper
173 100		
175 47.8	24.6	74.0
254 0.0	0.0	0.0

Manual Integrations
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sam
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

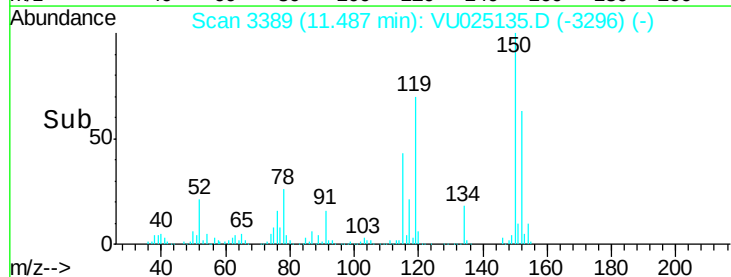
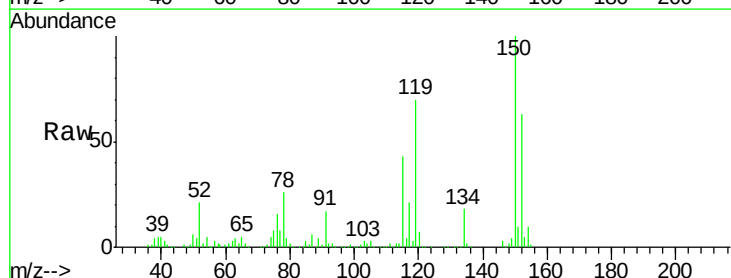
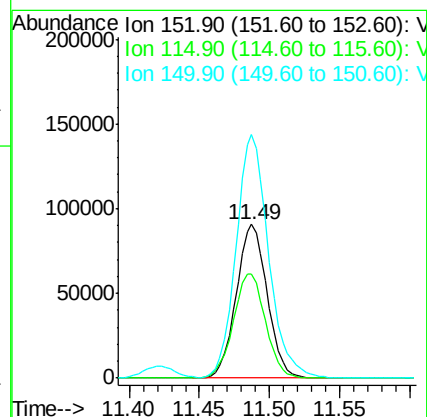
RT: 11.49 min Scan# 3389

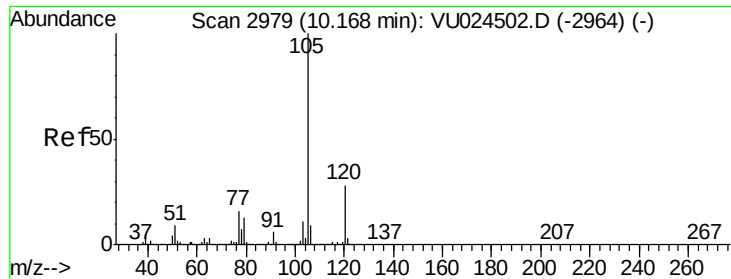
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:152	Resp:	139376
Ion Ratio	Lower	Upper
152 100		
115 70.4	43.0	129.0
150 165.7	0.0	354.0





#73

Isopropylbenzene

Concen: 21.84 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 105 Resp: 233714

Ion Ratio Lower Upper

105 100

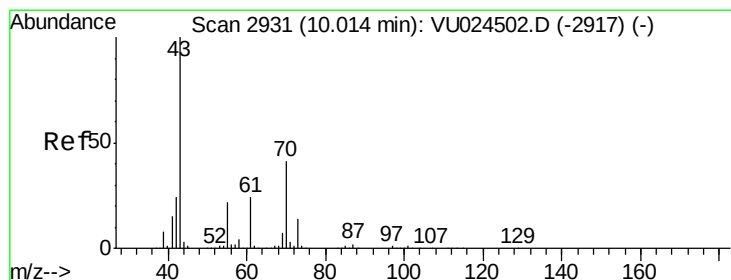
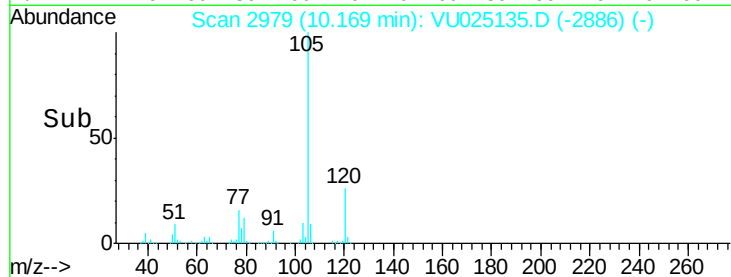
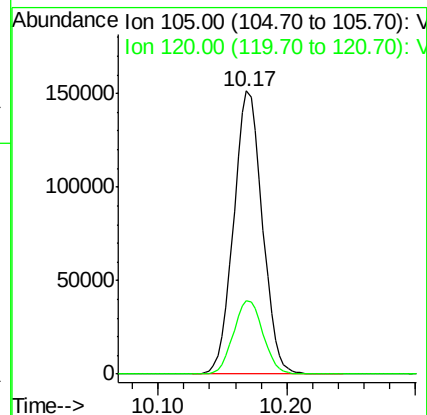
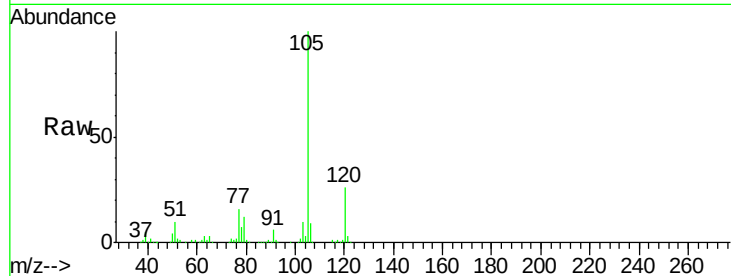
120 26.8 13.2 39.6

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 18.09 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion: 43 Resp: 92062

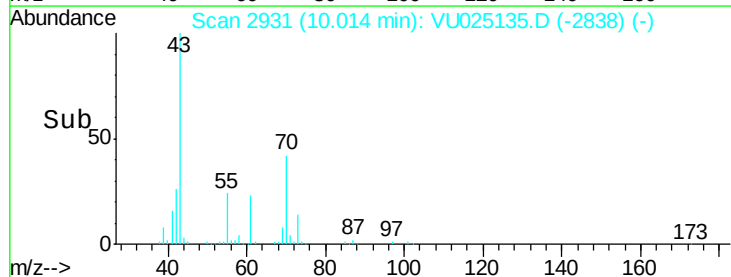
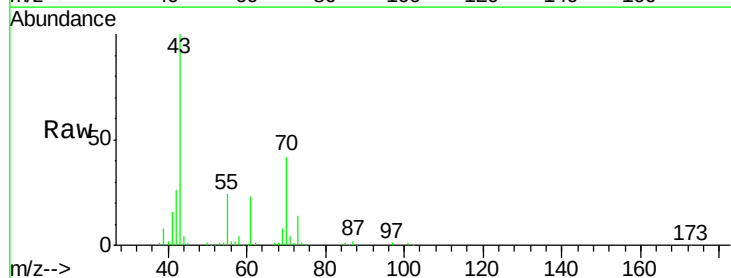
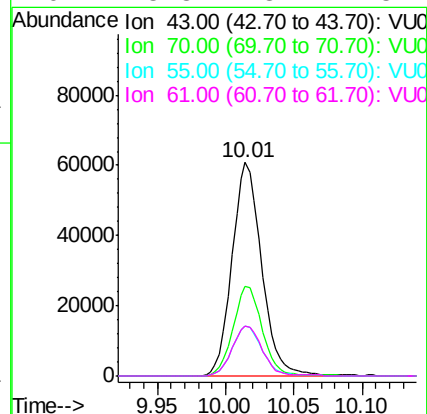
Ion Ratio Lower Upper

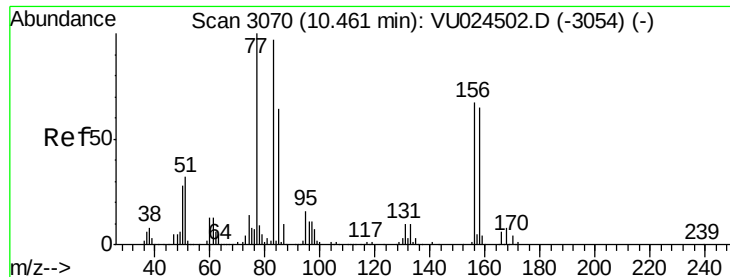
43 100

70 41.3 32.2 48.4

55 23.8 20.5 30.7

61 23.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.95 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 83 Resp: 75132

Ion Ratio Lower Upper

83 100

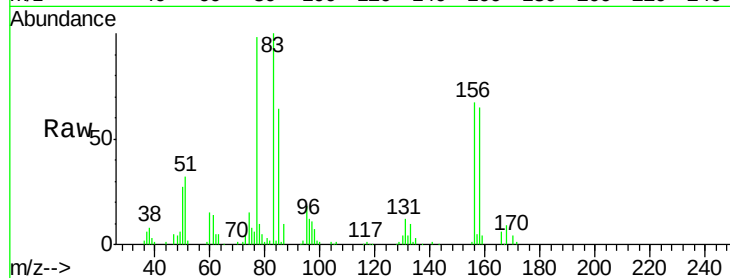
131 11.2 4.7 14.1

85 64.4 32.5 97.5

Manual Integrations
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sam

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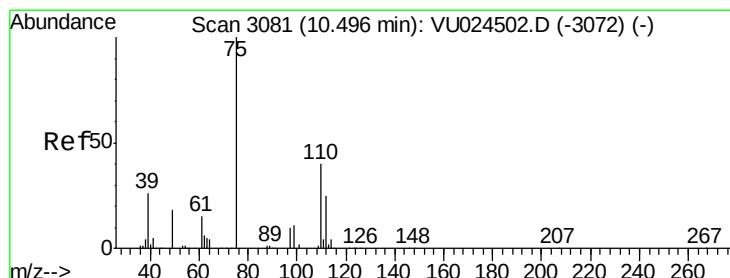
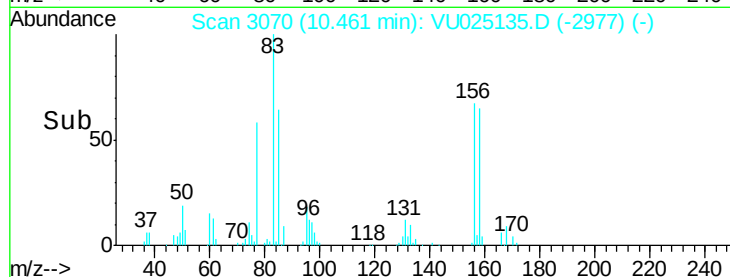
Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.78 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025135.D

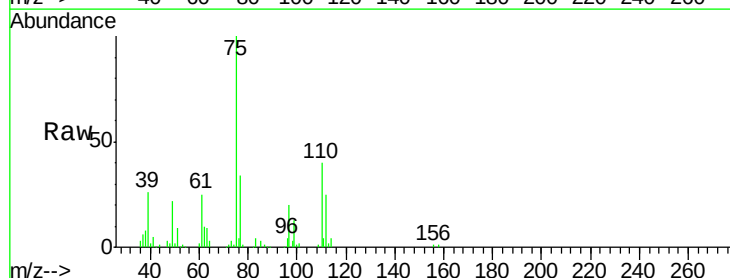
Acq: 02 Jul 2018 11:49

Tgt Ion: 75 Resp: 63774

Ion Ratio Lower Upper

75 100

77 40.8 20.9 62.7

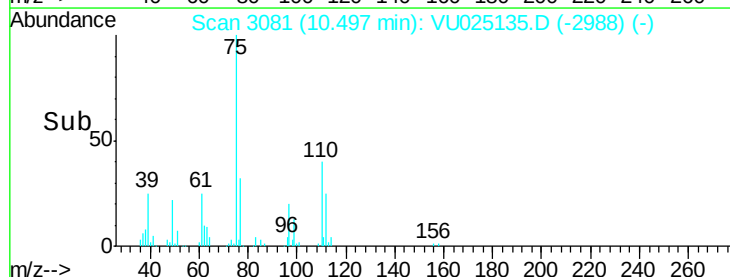


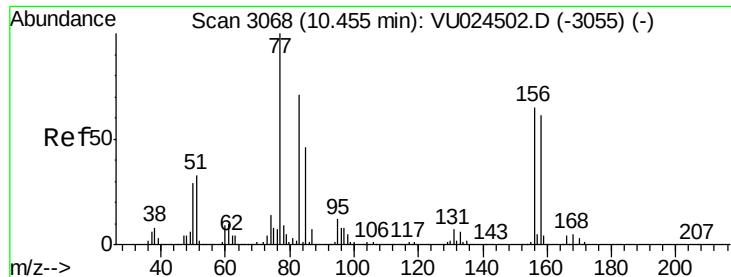
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

Time-->





#77

Bromobenzene

Concen: 21.53 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

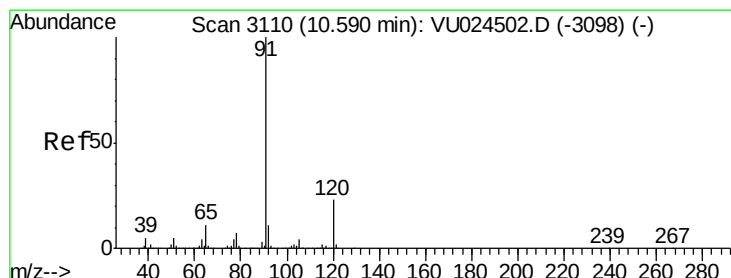
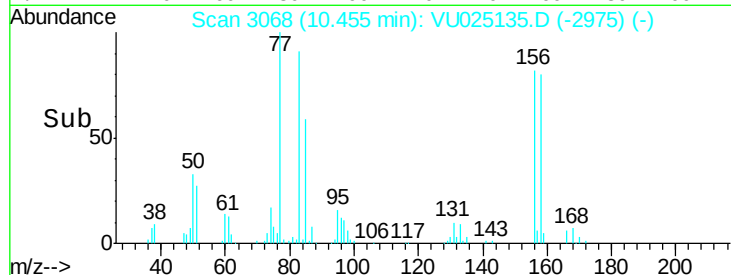
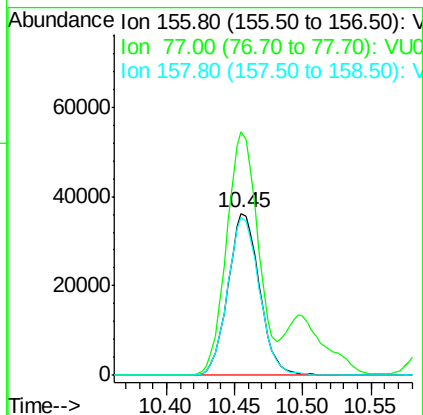
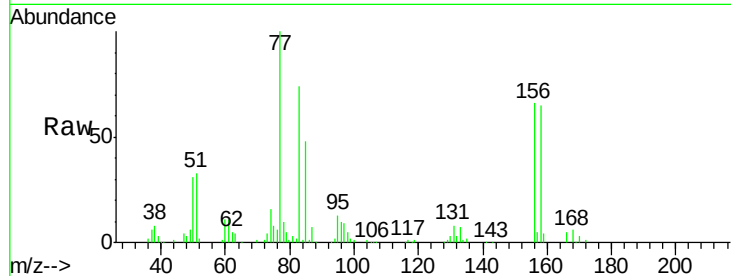
ClientSampleId :

VU0702WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	150.2	80.5	241.3
158	97.8	48.2	144.6

Manual Integrations
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sam
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#78

n-propylbenzene

Concen: 20.66 ug/l

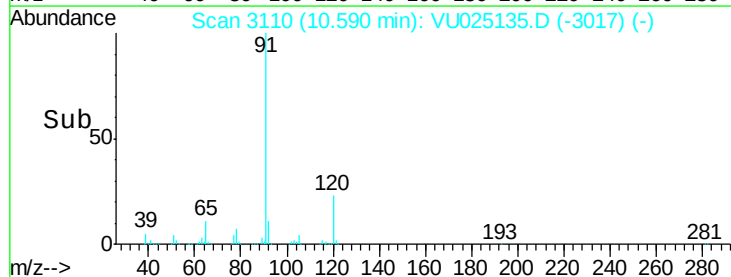
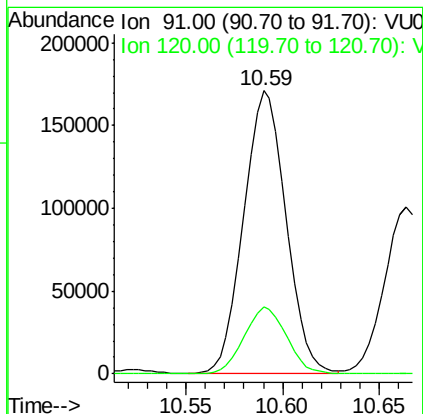
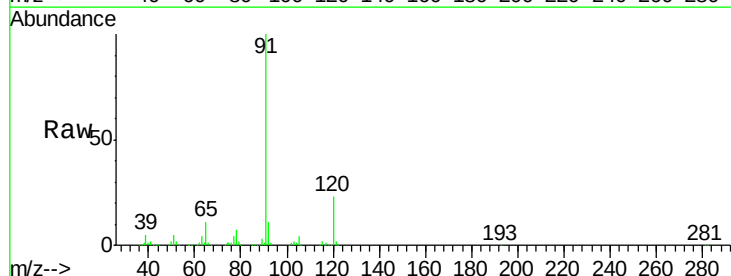
RT: 10.59 min Scan# 3110

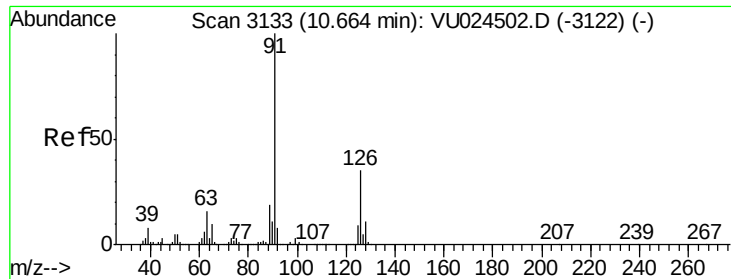
Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.37 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion: 91 Resp: 158852

Ion Ratio Lower Upper

91 100

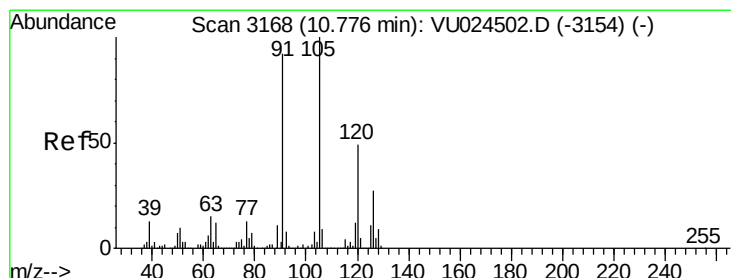
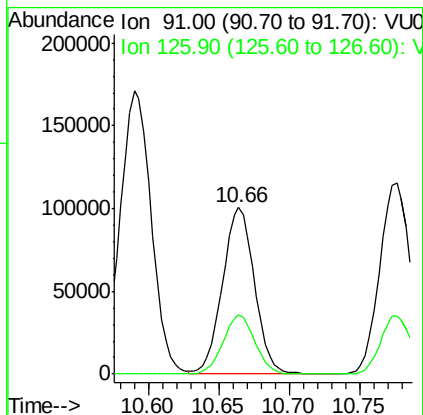
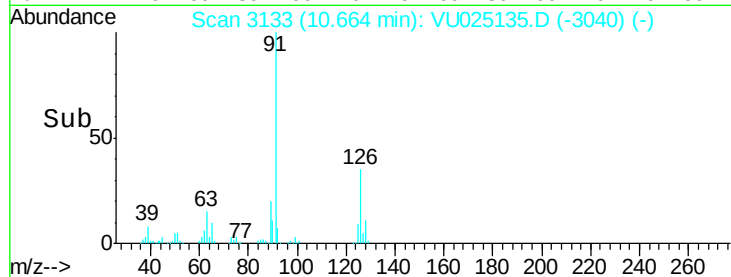
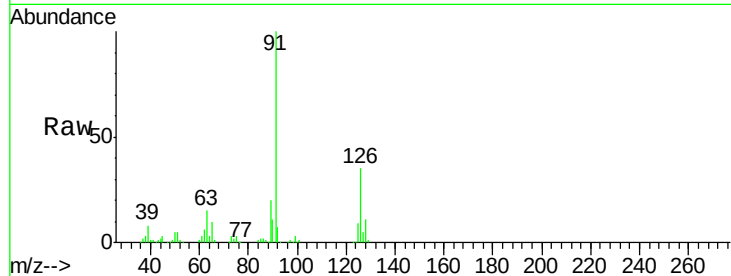
126 35.3 16.9 50.7

Manual Integrations

APPROVED

sam

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#80

1,3,5-Trimethylbenzene

Concen: 21.25 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025135.D

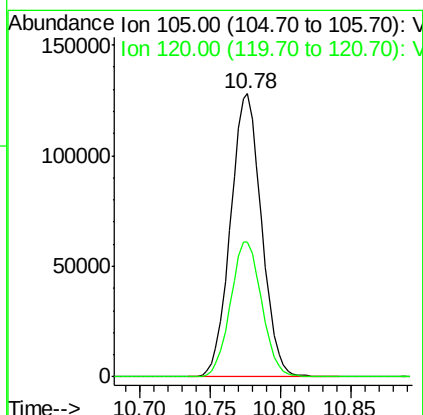
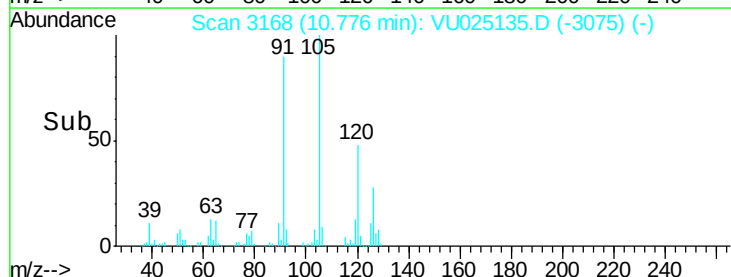
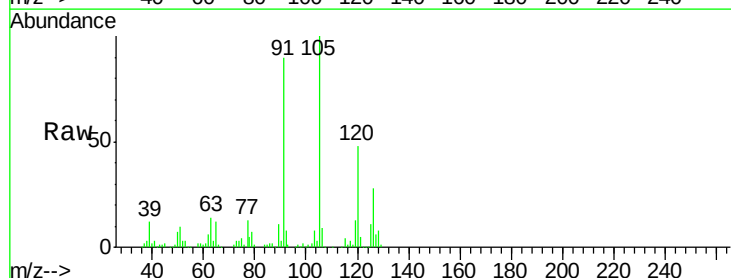
Acq: 02 Jul 2018 11:49

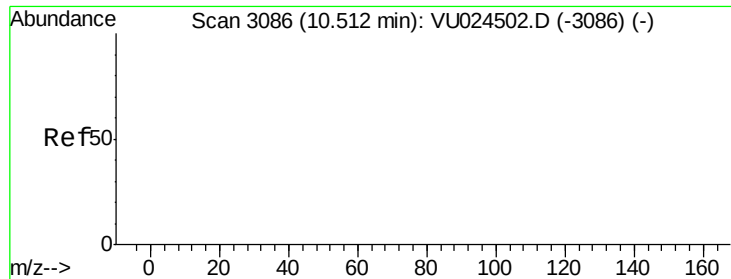
Tgt Ion: 105 Resp: 197104

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





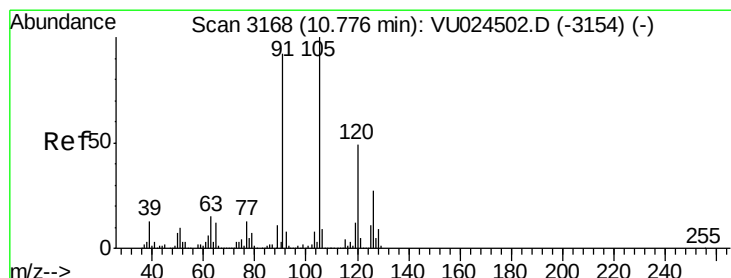
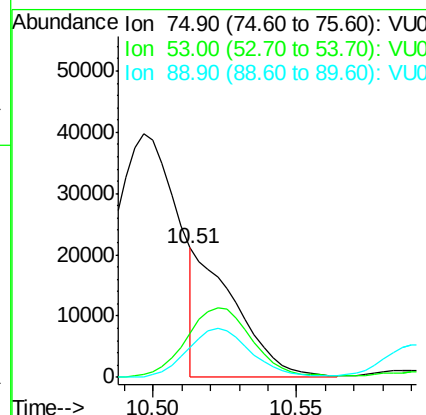
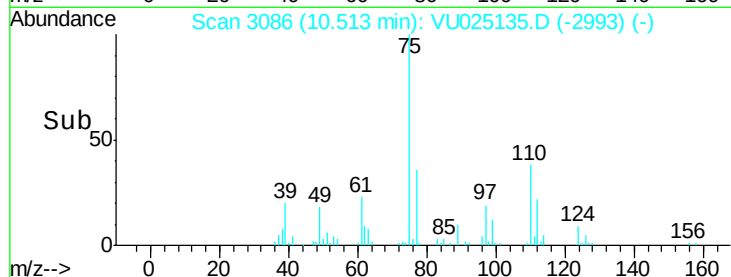
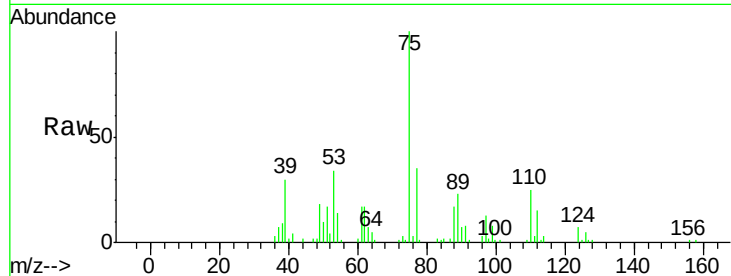
#81
trans-1,4-Dichloro-2-butene
Concen: 15.94 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

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

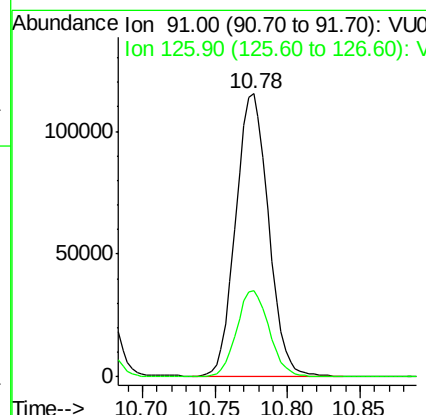
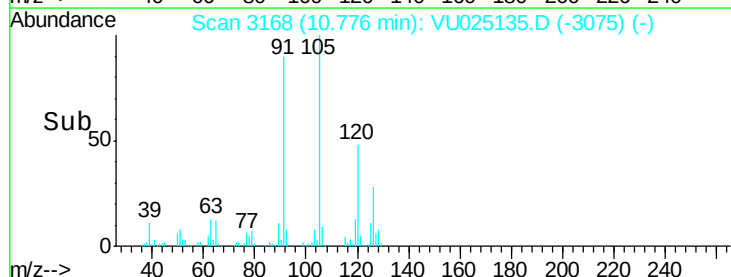
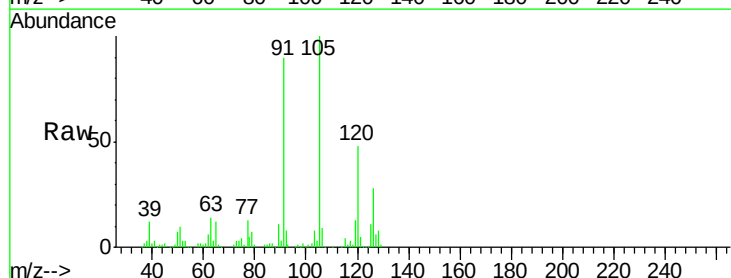
Manual Integrations
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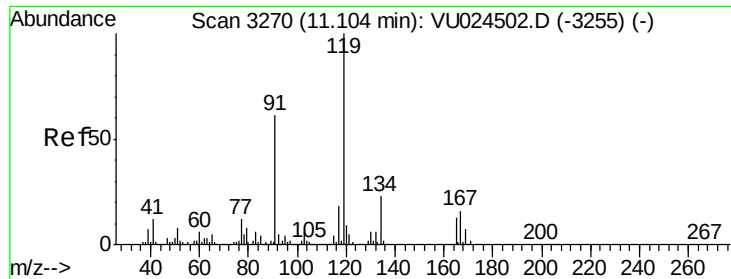
sam
7/3/2018 3:52:31 PM



#82
4-Chlorotoluene
Concen: 20.91 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9





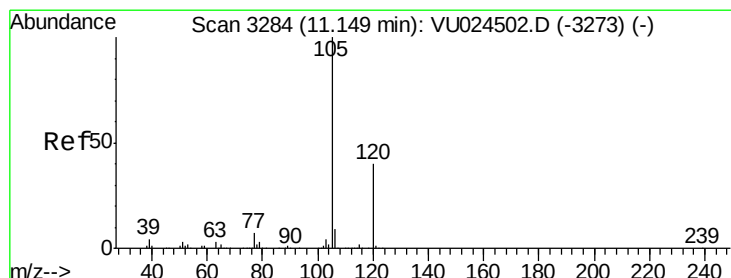
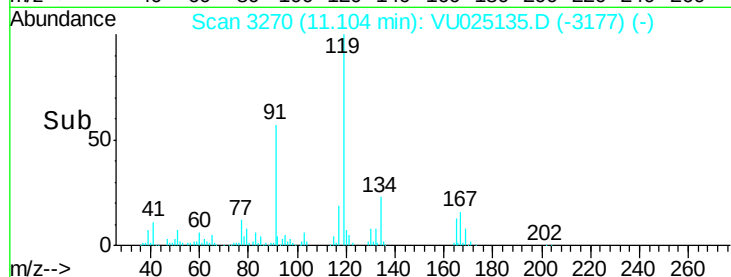
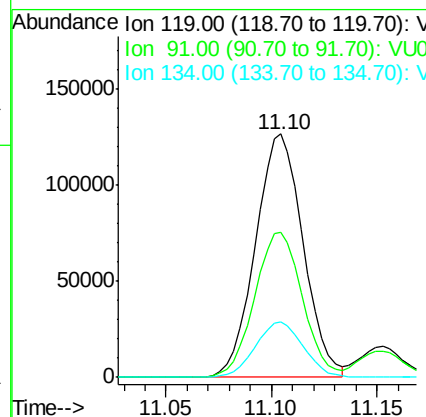
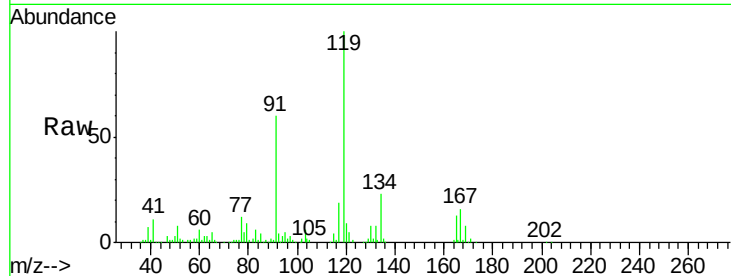
#83
 tert-Butylbenzene
 Concen: 22.30 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	198962		
91	59.8	29.7	89.1	
134	22.8	11.6	34.7	

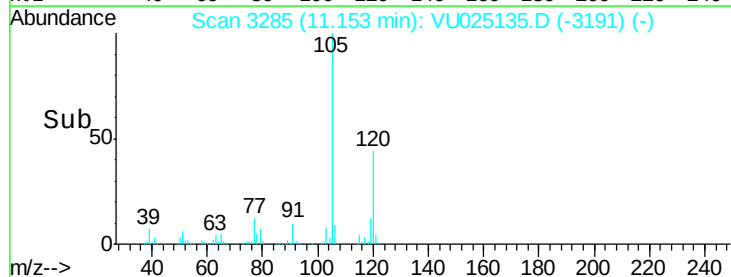
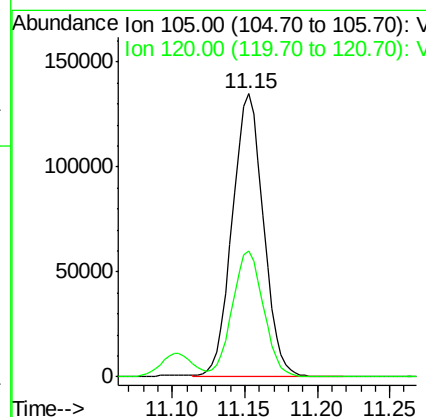
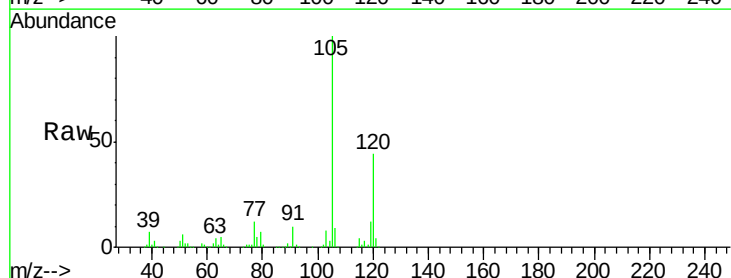
Manual Integrations
 APPROVED

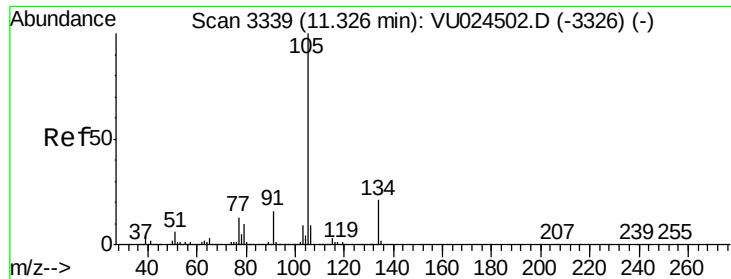
sam
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.22 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	200542		
120	44.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 21.37 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

ClientSampleId :

VU0702WBS01

Tot Ion:105 Resp: 238636

Ion Ratio Lower Upper

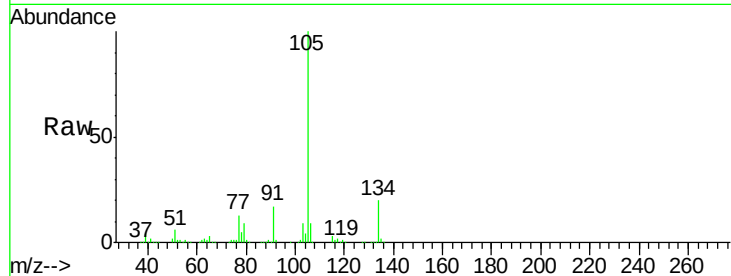
105 100

134 20.2 9.7 29.1

Manual Integrations
APPROVED

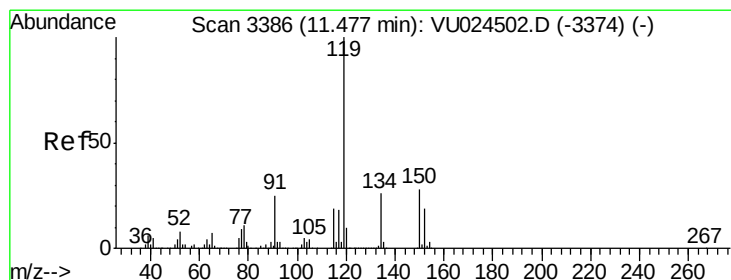
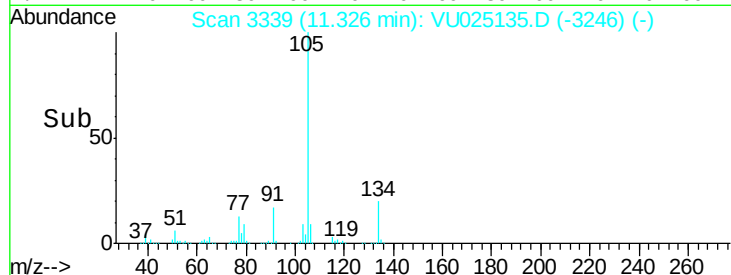
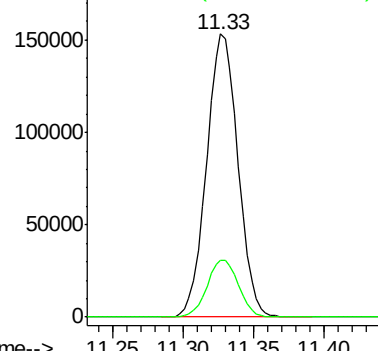
sam

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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: 21.22 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

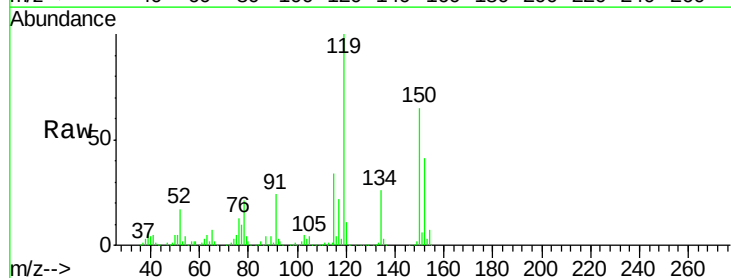
Tgt Ion:119 Resp: 212256

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

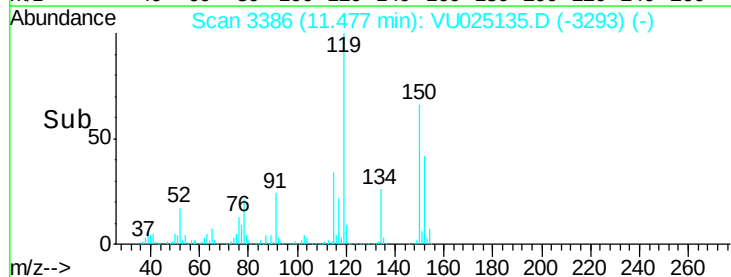
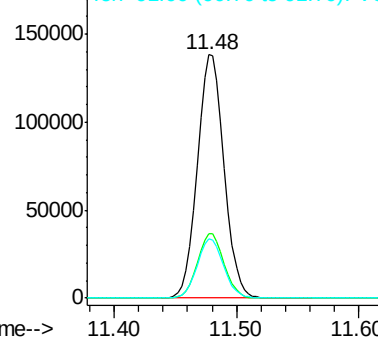
91 24.2 12.0 36.1

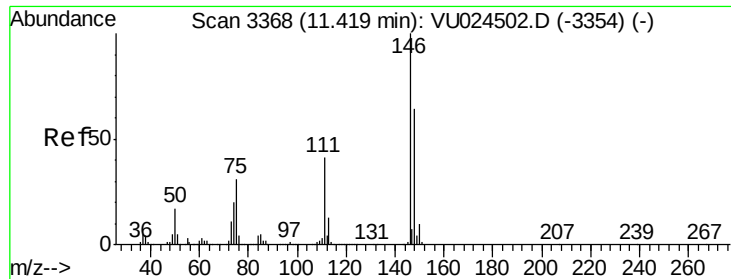


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





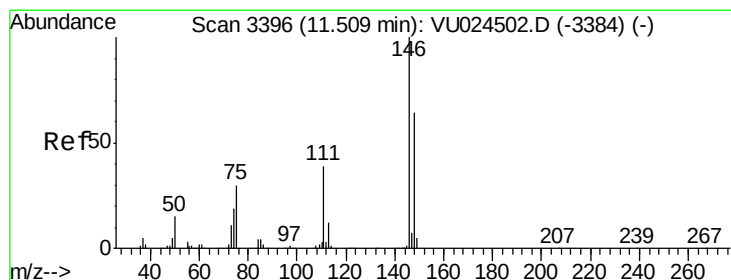
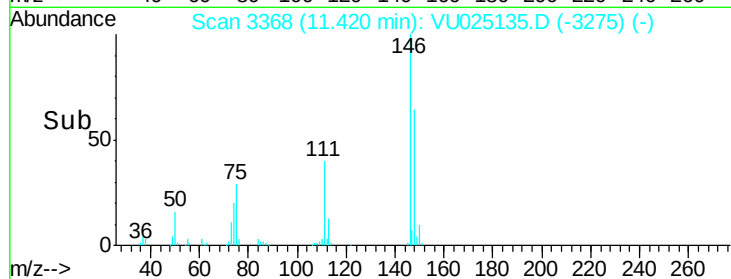
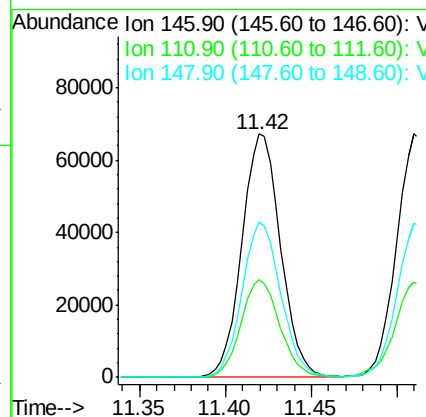
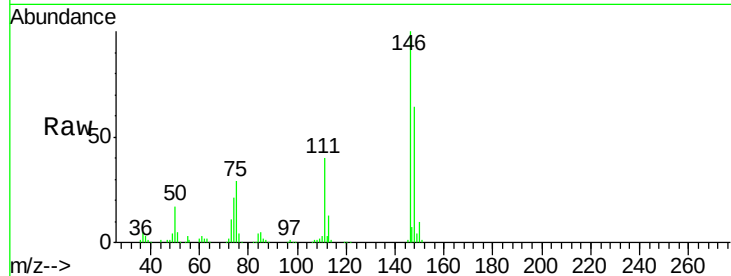
#87
 1,3-Dichlorobenzene
 Concen: 21.04 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	64.0	32.1	96.5

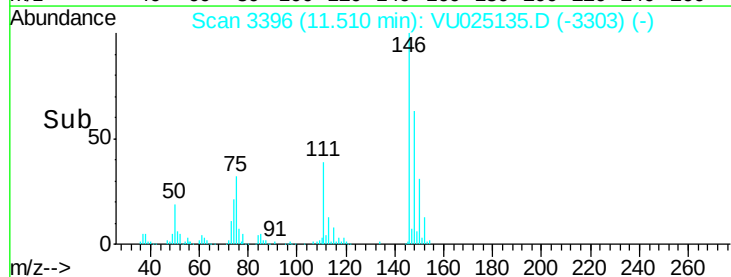
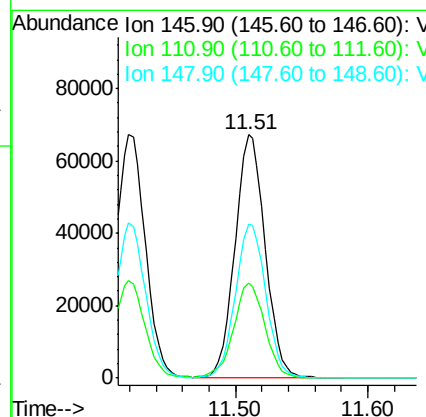
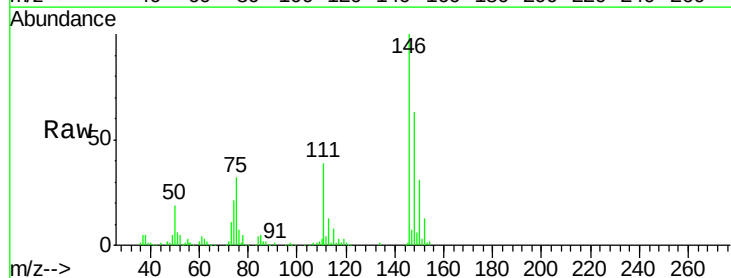
Manual Integrations
 APPROVED

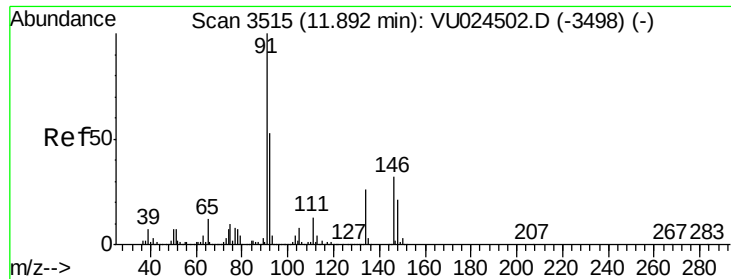
sam
 7/3/2018 3:52:31 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.5	58.5
148	63.8	32.4	97.0





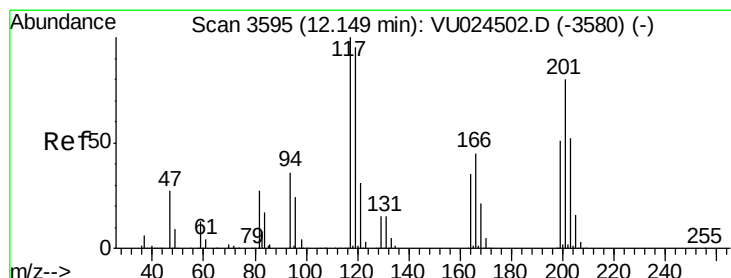
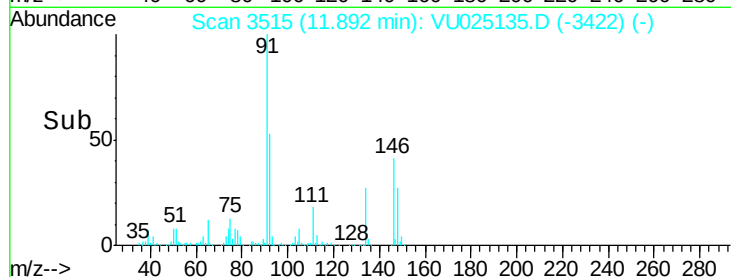
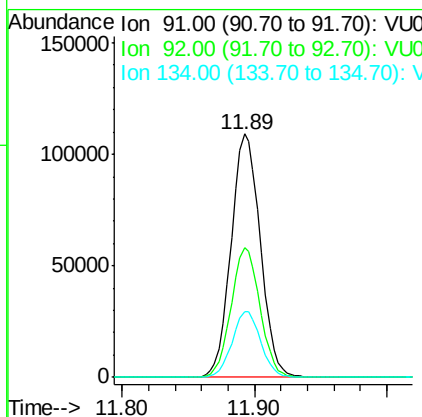
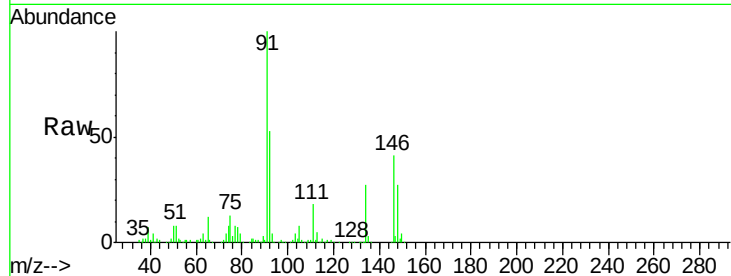
#89
n-Butylbenzene
Concen: 18.81 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Instrument :
MSVOA_U
ClientSampleId :
VU0702WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.6	76.8
134	26.4	12.3	36.8

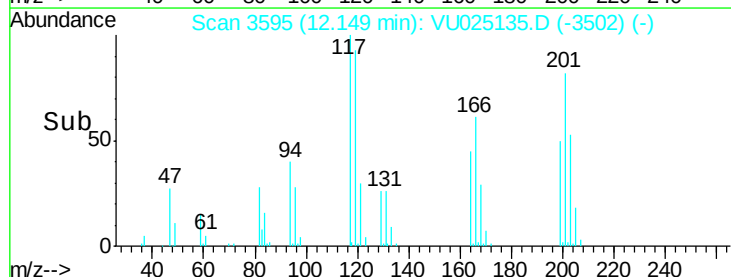
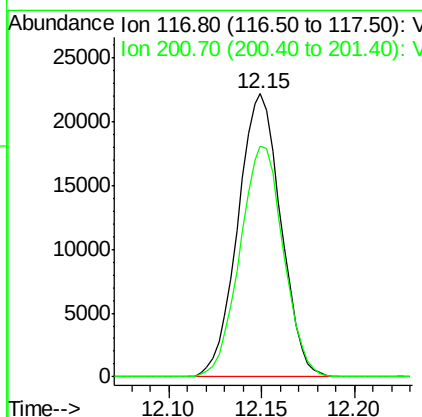
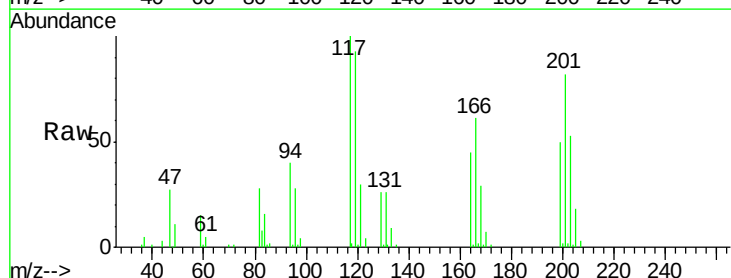
Manual Integrations
APPROVED

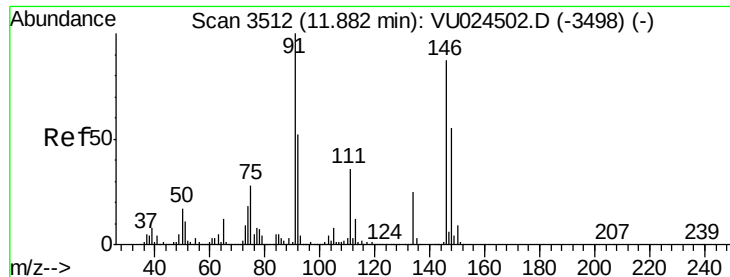
sam
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#90
Hexachloroethane
Concen: 18.24 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025135.D
Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	41.1	123.3





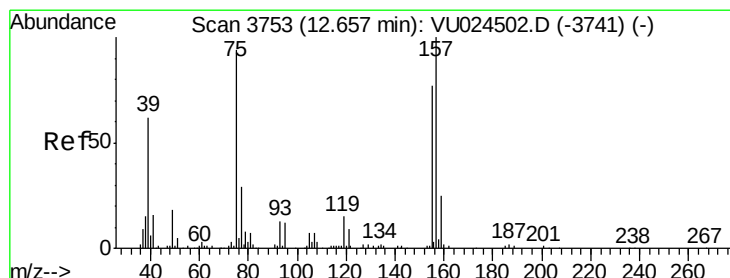
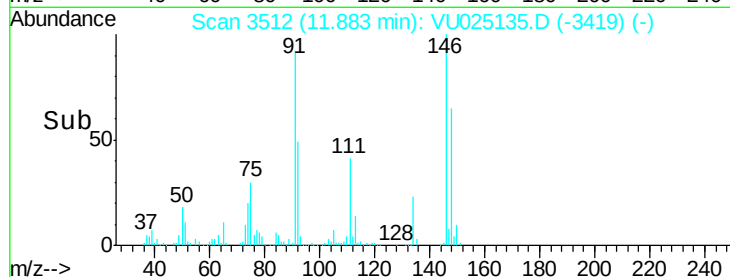
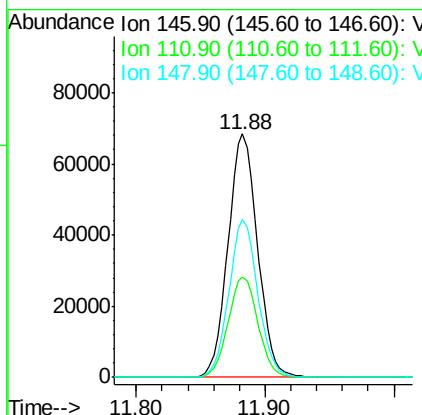
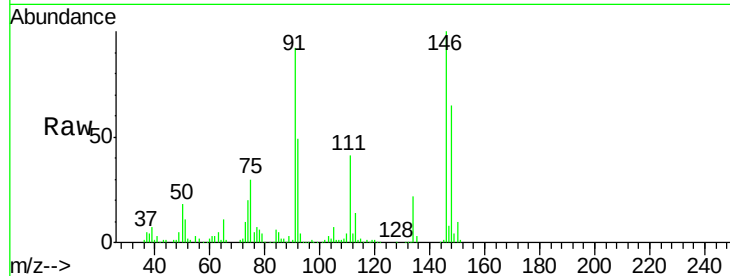
#91
 1,2-Dichlorobenzene
 Concen: 21.68 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0702WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.5	31.9	95.7

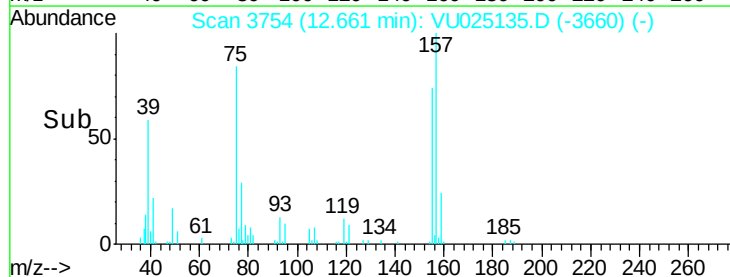
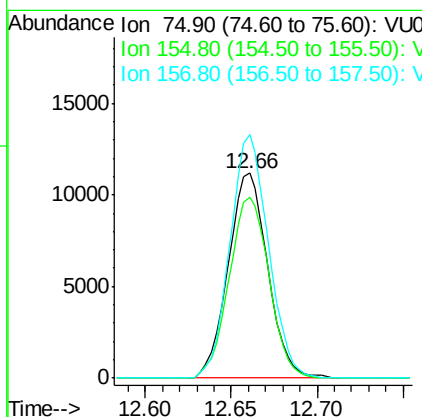
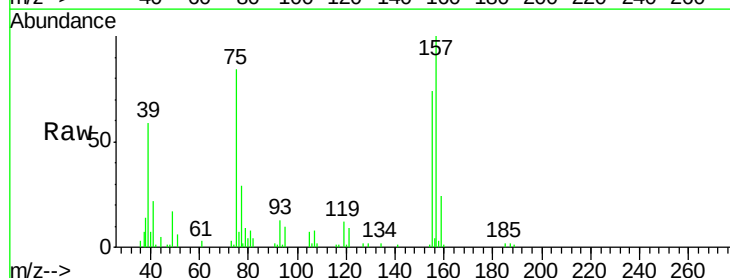
Manual Integrations
 APPROVED

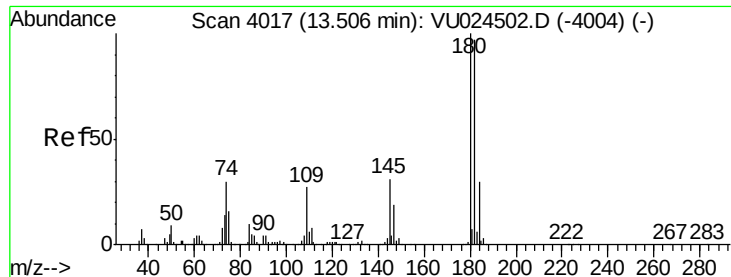
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.07 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	40.4	121.2
157	115.3	52.3	156.8





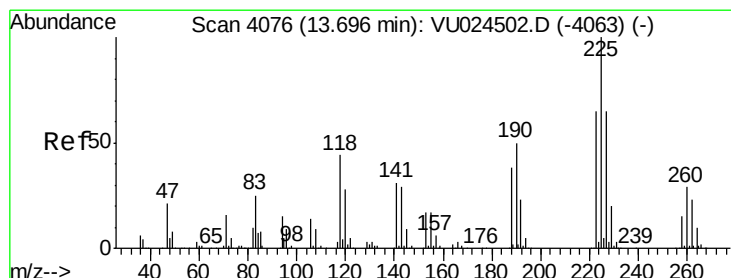
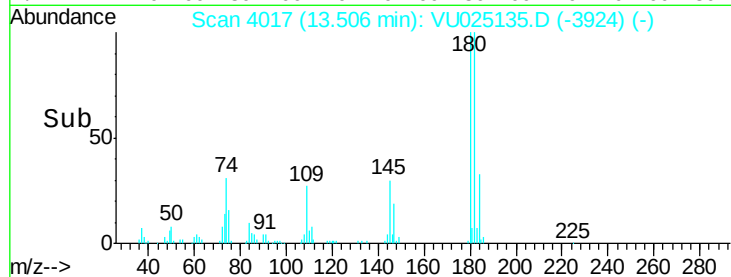
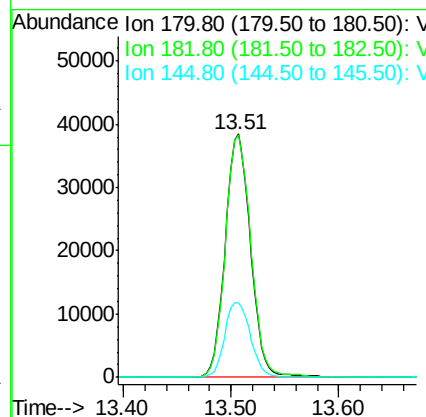
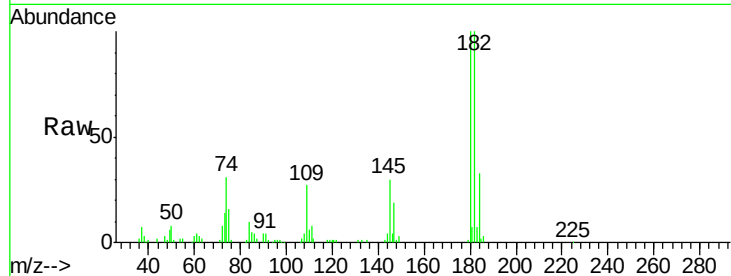
#93
 1,2,4-Trichlorobenzene
 Concen: 20.36 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Instrument :
 MSVOA_U
 ClientSampled :
 VU0702WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63040		
182	99.3	48.0	144.2	
145	31.0	14.7	44.1	

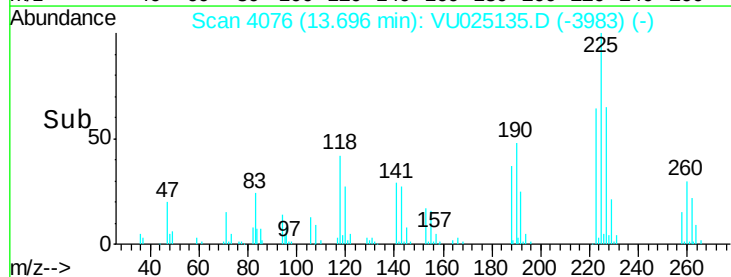
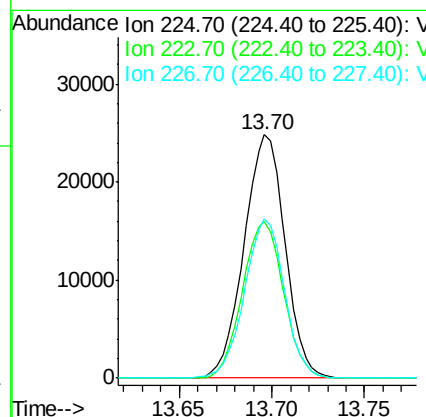
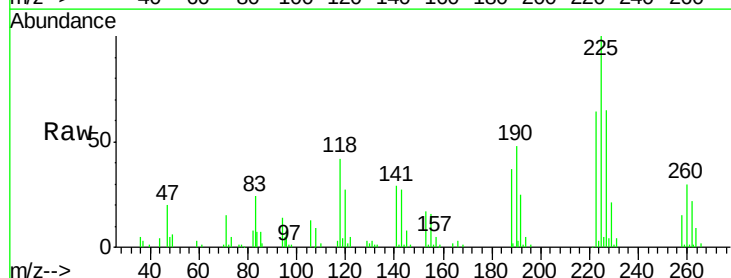
Manual Integrations
 APPROVED

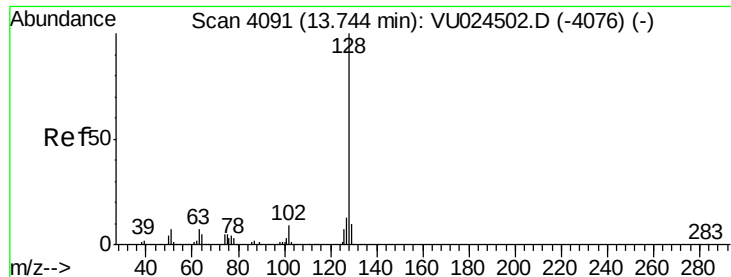
sam
 7/3/2018 3:52:31 PM



#94
 Hexachlorobutadiene
 Concen: 21.93 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025135.D
 Acq: 02 Jul 2018 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38219		
223	64.5	31.3	93.8	
227	63.8	31.8	95.4	





#95

Naphthalene

Concen: 20.41 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Instrument :

MSVOA_U

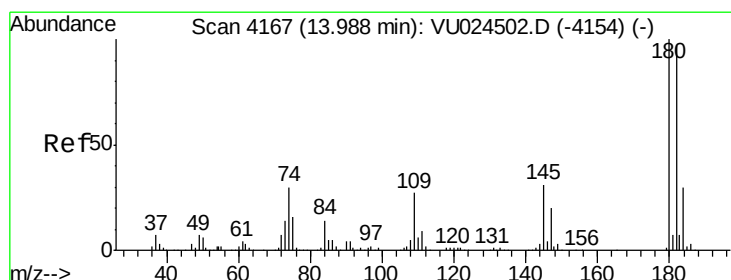
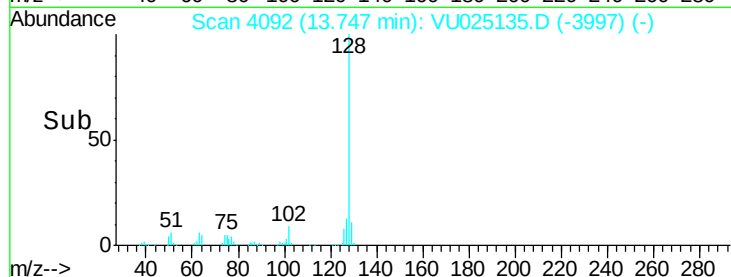
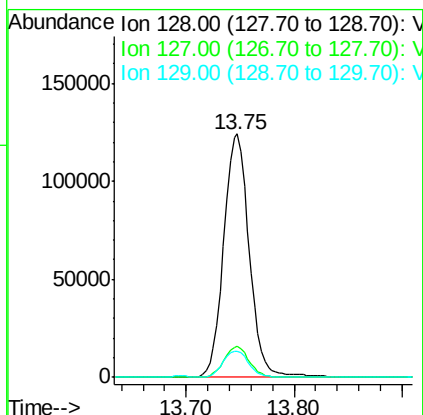
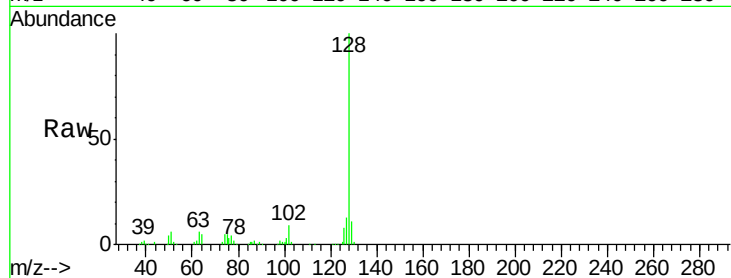
ClientSampleId :

VU0702WBS01

Tot Ion:	128	Resp:	204946
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

sam
7/3/2018 3:52:31 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.78 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025135.D

Acq: 02 Jul 2018 11:49

Tgt Ion:	180	Resp:	67192
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.9	143.7
145	33.1	15.4	46.1

