

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025228.D
 Acq On : 05 Jul 2018 20:18
 Operator : MD/SY
 Sample : J3808-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Manual Integrations
 APPROVED

sam
 7/6/2018 4:22:02 PM

Quant Time: Jul 06 07:10:48 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	163228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	249396	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141367	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121041	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.84%	
35) Dibromofluoromethane	4.89	113	104814	50.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.28%	
50) Toluene-d8	7.57	98	321702	42.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.22%	
62) 4-Bromofluorobenzene	10.31	95	139411	46.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	83110	40.678	ug/l	97
3) Chloromethane	1.33	50	98681	47.276	ug/l	99
4) Vinyl Chloride	1.40	62	108753	50.521	ug/l	97
5) Bromomethane	1.62	94	61238	58.848	ug/l	99
6) Chloroethane	1.69	64	66281	55.212	ug/l	99
7) Trichlorofluoromethane	1.89	101	160385	48.822	ug/l	100
8) Diethyl Ether	2.10	74	63474	57.041	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	97136	47.661	ug/l	97
10) Methyl Iodide	2.41	142	112320	63.521	ug/l	97
11) Tert butyl alcohol	2.83	59	173116	267.119	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91477	49.218	ug/l	96
13) Acrolein	2.19	56	96656	284.009	ug/l	99
14) Allyl chloride	2.59	41	157684	45.693	ug/l	100
15) Acrylonitrile	2.93	53	343947	272.773	ug/l	99
16) Acetone	2.32	43	326947	228.354	ug/l	97
17) Carbon Disulfide	2.48	76	251588	42.275	ug/l	100
18) Methyl Acetate	2.62	43	201026	65.494	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	382152	54.699	ug/l	94
20) Methylene Chloride	2.70	84	113289	50.428	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	103439	50.531	ug/l	94
22) Diisopropyl ether	3.57	45	363511	53.138	ug/l	97
23) Vinyl Acetate	3.53	43	1457224	237.796	ug/l	98
24) 1,1-Dichloroethane	3.45	63	206422	52.453	ug/l	99
25) 2-Butanone	4.26	43	496189	258.005	ug/l	97
26) 2,2-Dichloropropane	4.23	77	139282	37.273	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	152889	64.965	ug/l	95
28) Bromochloromethane	4.55	49	87109	50.253	ug/l	83
29) Tetrahydrofuran	4.64	42	313585	263.305	ug/l	96
30) Chloroform	4.68	83	216986	54.475	ug/l	99
31) Cyclohexane	5.00	56	176642	50.567	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	195555	53.091	ug/l	96
36) 1,1-Dichloropropene	5.14	75	150024	51.192	ug/l	97
37) Ethyl Acetate	4.38	43	173494	54.316	ug/l	98
38) Carbon Tetrachloride	5.14	117	174764	54.230	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025228.D
 Acq On : 05 Jul 2018 20:18
 Operator : MD/SY
 Sample : J3808-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Manual Integrations
 APPROVED

sam
 7/6/2018 4:22:02 PM

Quant Time: Jul 06 07:10:48 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)
39) Methylcyclohexane	6.42	83	178096	48.698	ug/l	94
40) Benzene	5.39	78	490915	58.788	ug/l	100
41) Methacrylonitrile	4.54	41	101477	58.924	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185196	58.230	ug/l	100
43) Isopropyl Acetate	5.55	43	284898	51.601	ug/l	99
44) Trichloroethene	6.19	130	141568	59.568	ug/l	96
45) 1,2-Dichloropropane	6.44	63	120761	54.198	ug/l	100
46) Dibromomethane	6.56	93	87092	55.647	ug/l	95
47) Bromodichloromethane	6.76	83	167199	53.650	ug/l	99
48) Methyl methacrylate	6.63	41	151284	56.271	ug/l	99
49) 1,4-Dioxane	6.61	88	66820	1270.897	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	954998	275.318	ug/l	98
52) Toluene	7.64	92	290248	54.025	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	172524	49.295	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	182250	48.870	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	121360	55.572	ug/l	98
56) Ethyl methacrylate	8.02	69	190337	52.073	ug/l	99
57) 1,3-Dichloropropane	8.25	76	206656	56.096	ug/l	98
59) 2-Hexanone	8.36	43	760919	268.698	ug/l	99
60) Dibromochloromethane	8.48	129	139649	51.280	ug/l	98
61) 1,2-Dibromoethane	8.59	107	131763	54.208	ug/l	97
64) Tetrachloroethene	8.23	164	104587	46.388	ug/l	99
65) Chlorobenzene	9.12	112	494346	81.582	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	125696	54.600	ug/l	98
67) Ethyl Benzene	9.25	91	568459	53.514	ug/l	98
68) m/p-Xylenes	9.38	106	441765	108.299	ug/l	97
69) o-Xylene	9.78	106	221549	54.880	ug/l	96
70) Stvrene	9.80	104	351066	52.919	ug/l	99
71) Bromoform	9.96	173	108317	49.502	ug/l #	100
73) Isopropylbenzene	10.17	105	594531	54.777	ug/l	100
74) N-amyl acetate	10.01	43	248373	48.111	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	203381	55.919	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	182032m	58.486	ug/l	
77) Bromobenzene	10.45	156	153667	55.925	ug/l	94
78) n-propylbenzene	10.59	91	659738	51.601	ug/l	97
79) 2-Chlorotoluene	10.66	91	402327	53.361	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	504846	53.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	64682m	48.098	ug/l	
82) 4-Chlorotoluene	10.78	91	457376	52.119	ug/l	99
83) tert-Butylbenzene	11.10	119	528299	58.381	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	515519	53.773	ug/l	99
85) sec-Butylbenzene	11.33	105	626050	55.270	ug/l	93
86) p-Isopropyltoluene	11.48	119	534393	52.677	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	275696	54.309	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	281261	55.047	ug/l	99
89) n-Butylbenzene	11.89	91	423013	46.967	ug/l	96
90) Hexachloroethane	12.15	117	95301	48.156	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	334697	65.824	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53428	53.238	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	177088	56.399	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070518\
Data File : VU025228.D
Acq On : 05 Jul 2018 20:18
Operator : MD/SY
Sample : J3808-08MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

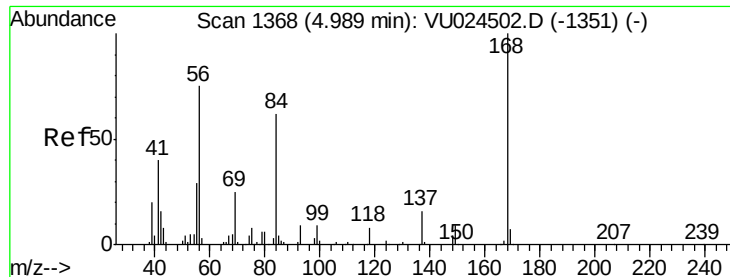
Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM

Quant Time: Jul 06 07:10:48 2018
Quant Method : Z:\V0ASRV\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)
94) Hexachlorobutadiene	13.70	225	93487	52.898	ug/l	100
95) Naphthalene	13.75	128	619525	59.469	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	190532	60.897	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion:168 Resp: 163228

Ion Ratio Lower Upper

168 100

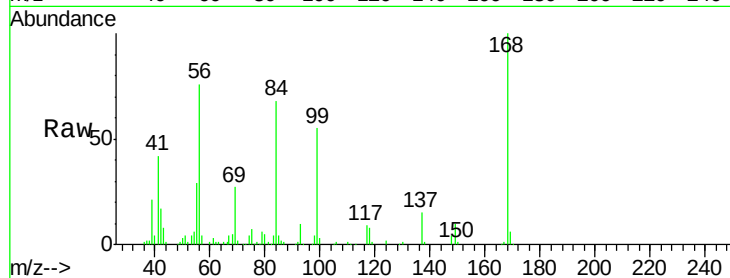
99 54.6 43.2 64.8

Manual Integrations

APPROVED

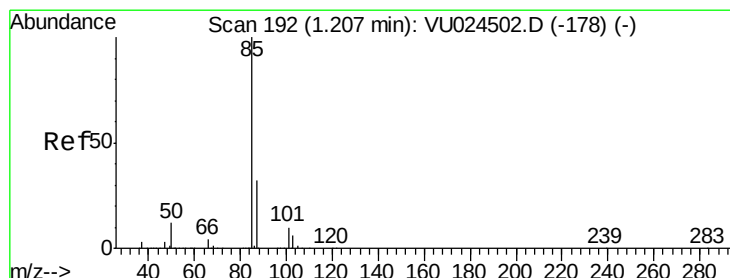
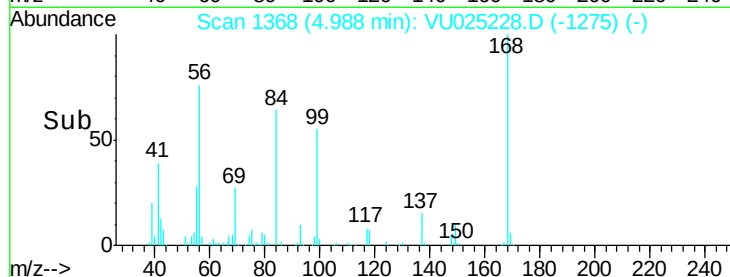
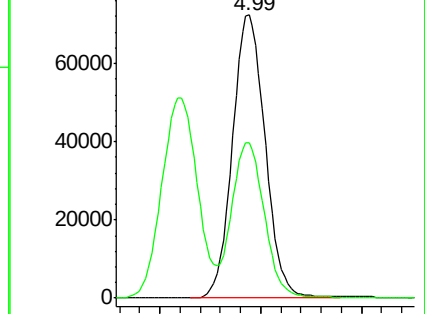
Sam

7/6/2018 4:22:02 PM



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

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



#2

Dichlorodifluoromethane

Concen: 40.678 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025228.D

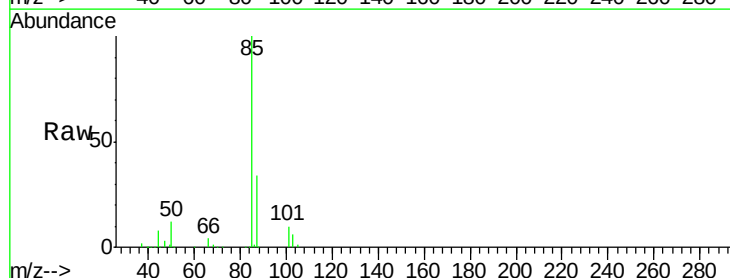
Acq: 05 Jul 2018 20:18

Tgt Ion: 85 Resp: 83110

Ion Ratio Lower Upper

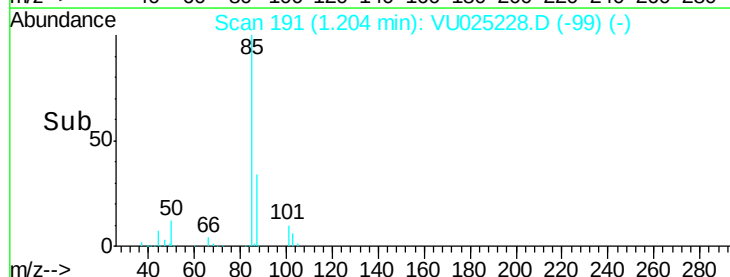
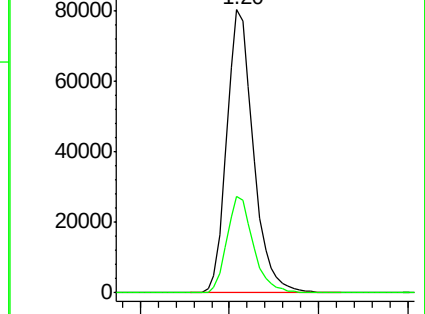
85 100

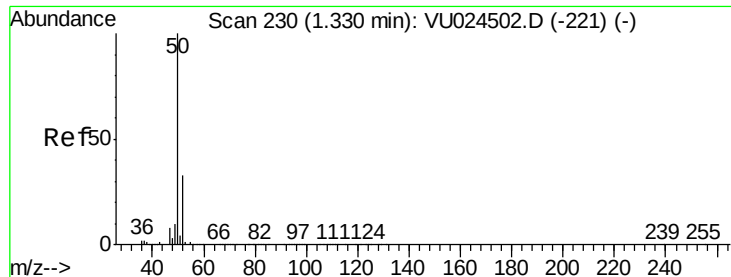
87 33.9 16.1 48.2



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

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





#3

Chloromethane

Concen: 47.276 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 50 Resp: 98681

Ion Ratio Lower Upper

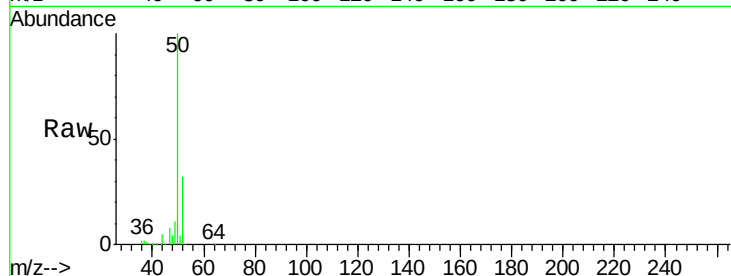
50 100

52 32.4 26.4 39.6

Manual Integrations
APPROVED

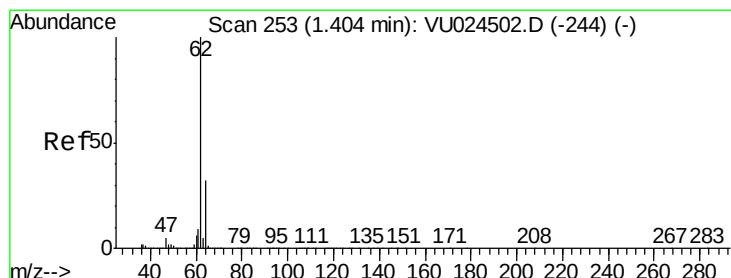
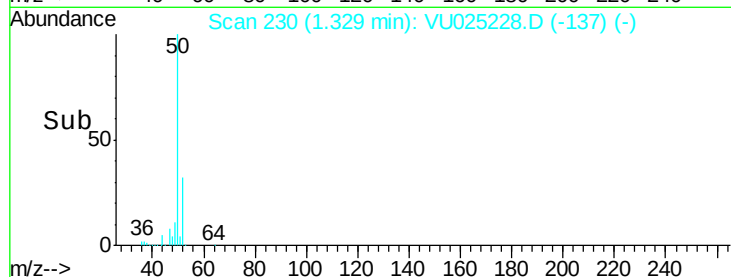
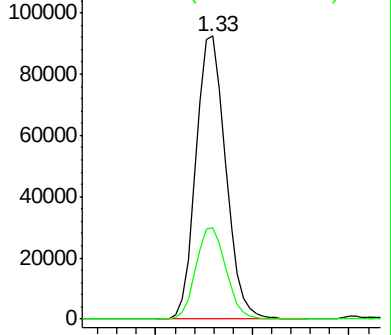
sam

7/6/2018 4:22:02 PM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.521 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025228.D

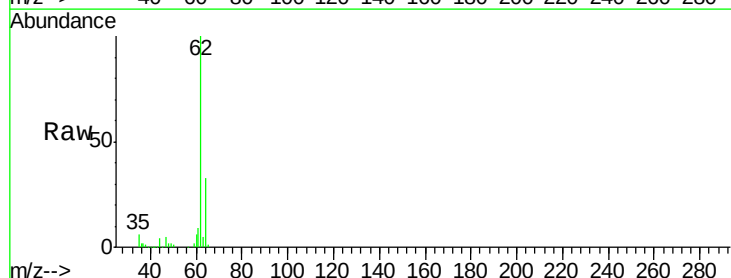
Acq: 05 Jul 2018 20:18

Tgt Ion: 62 Resp: 108753

Ion Ratio Lower Upper

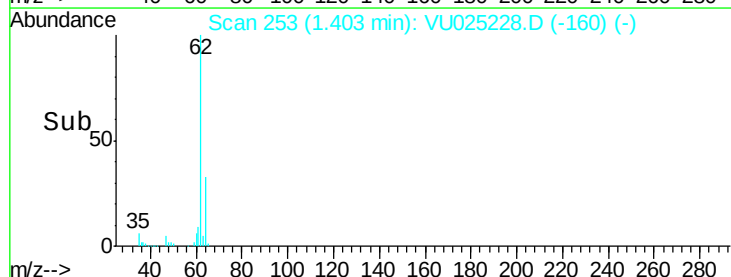
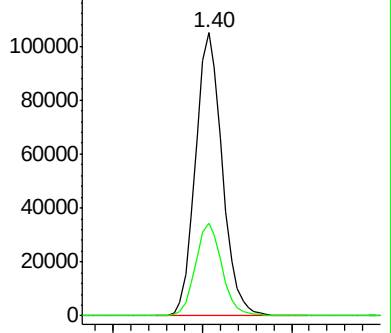
62 100

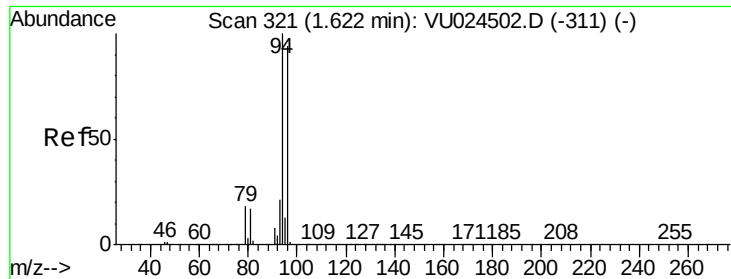
64 32.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 58.848 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 94 Resp: 61238

Ion Ratio Lower Upper

94 100

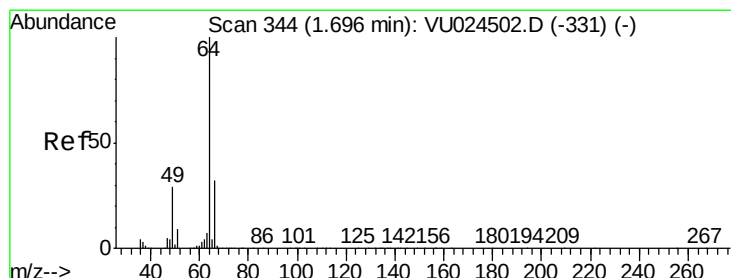
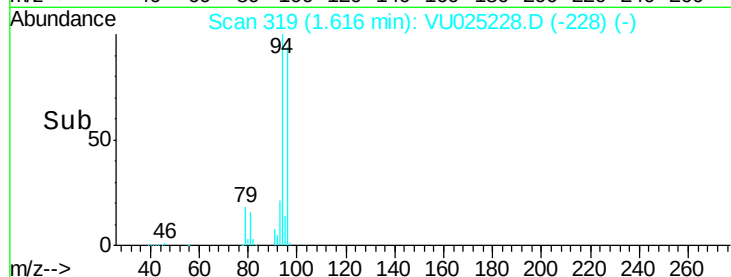
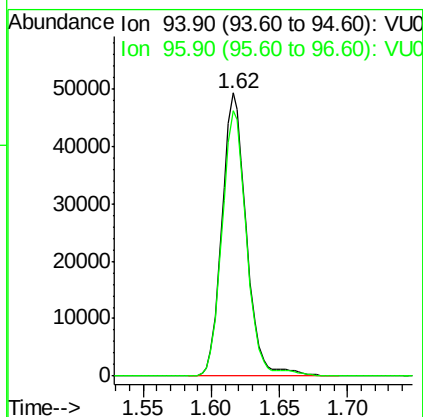
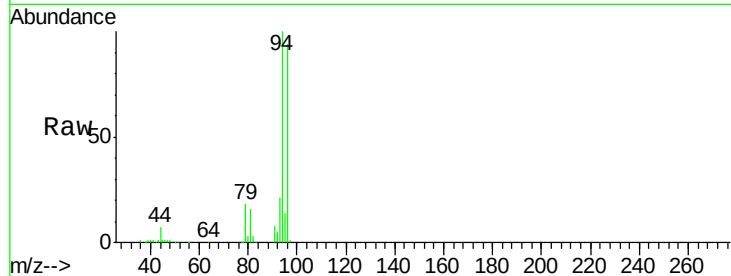
96 93.9 74.5 111.7

Manual Integrations

APPROVED

sam

7/6/2018 4:22:02 PM



#6

Chloroethane

Concen: 55.212 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025228.D

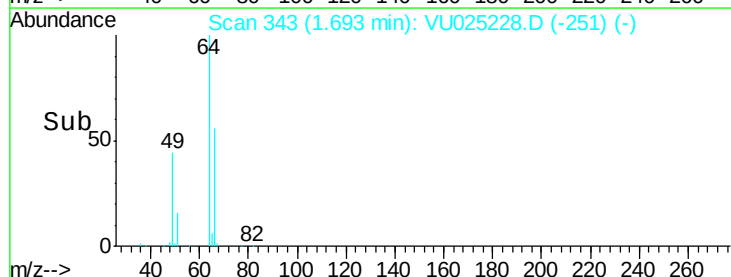
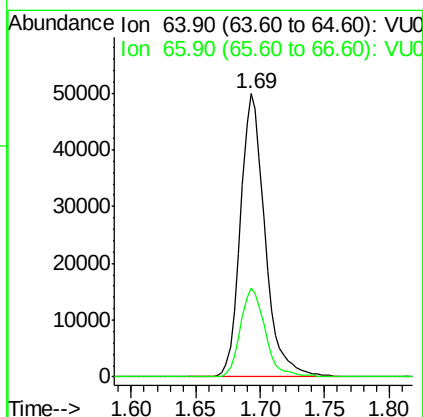
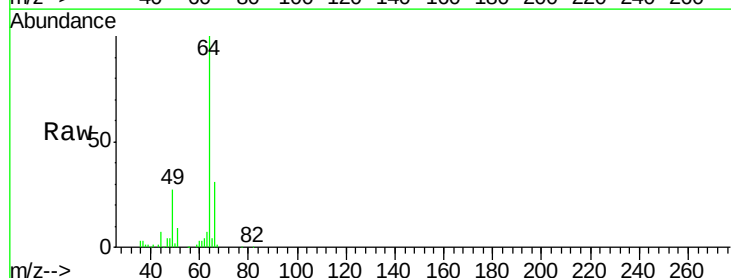
Acq: 05 Jul 2018 20:18

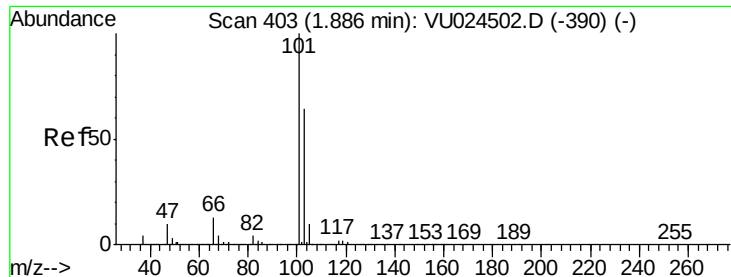
Tgt Ion: 64 Resp: 66281

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

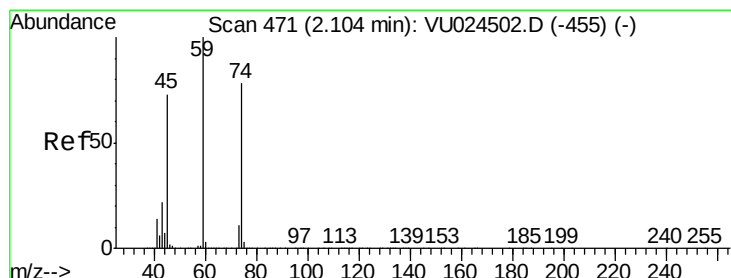
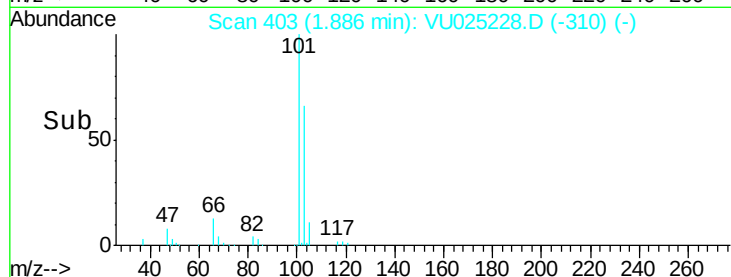
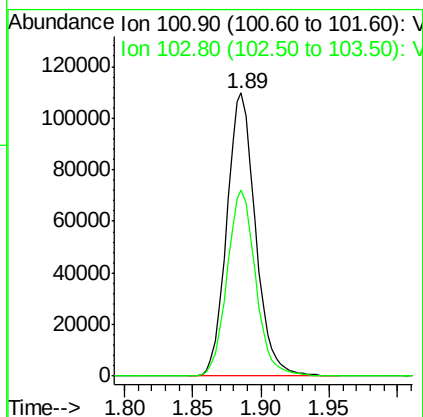
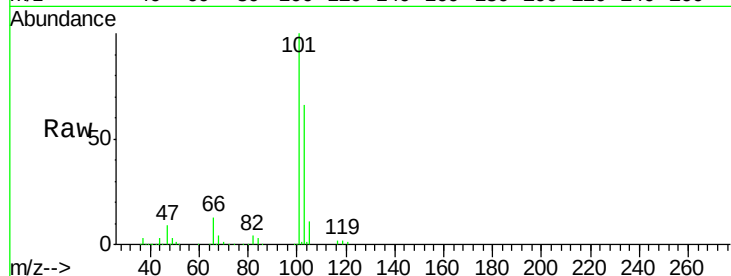
Trichlorofluoromethane
Concen: 48.822 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.3	78.5

Manual Integrations
APPROVED

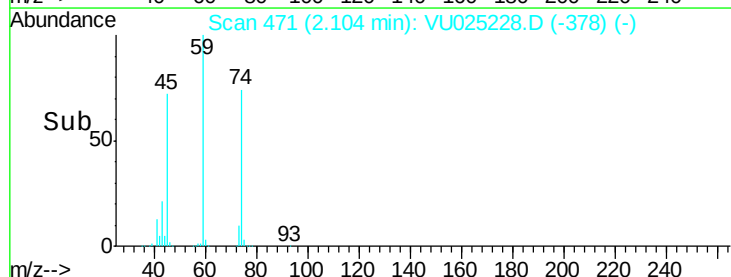
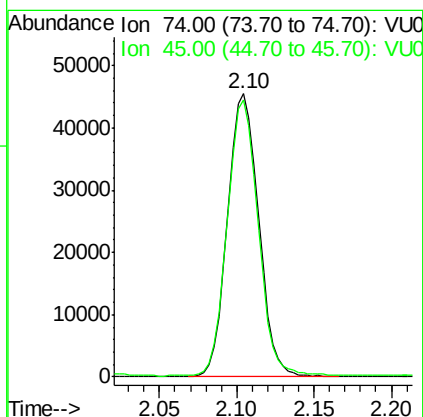
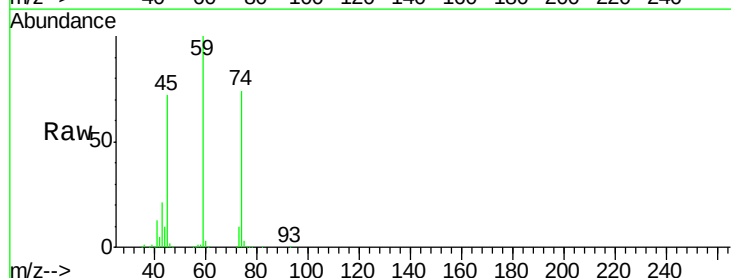
Sam
7/6/2018 4:22:02 PM

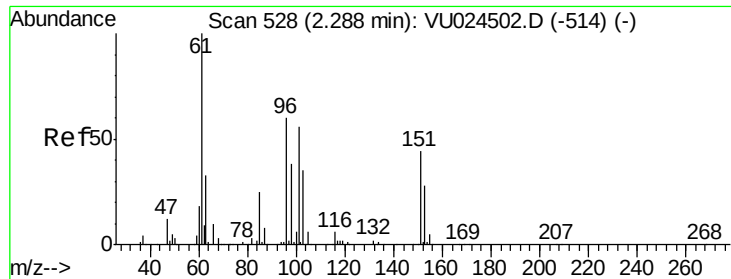


#8

Diethyl Ether
Concen: 57.041 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.661 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

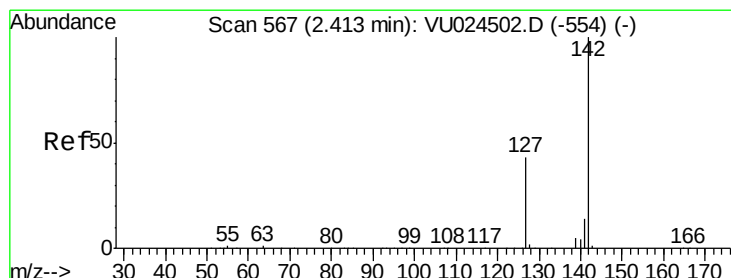
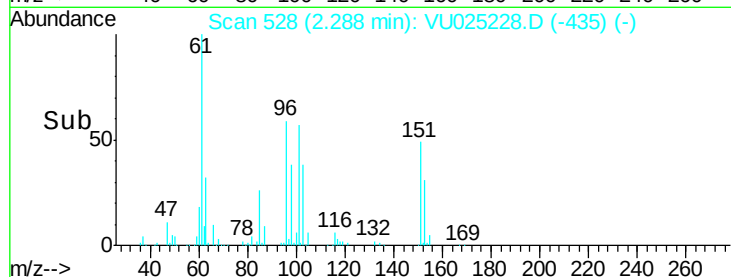
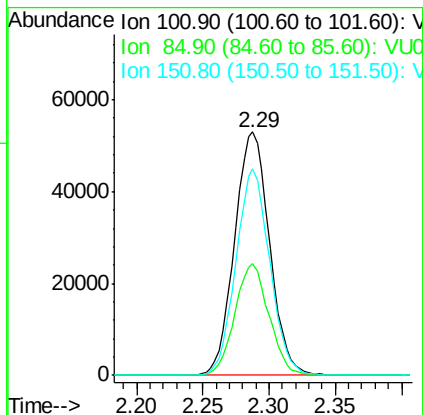
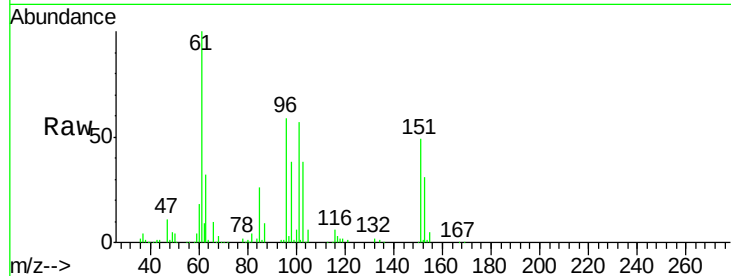
WP021MW470-180628MS

Tot Ion:	101	Resp:	97136
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	82.1	62.3	93.5

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#10

Methyl Iodide

Concen: 63.521 ug/l

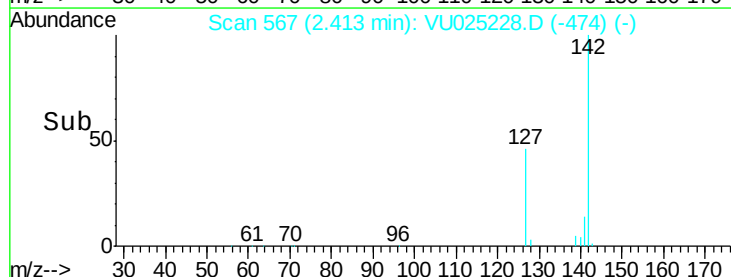
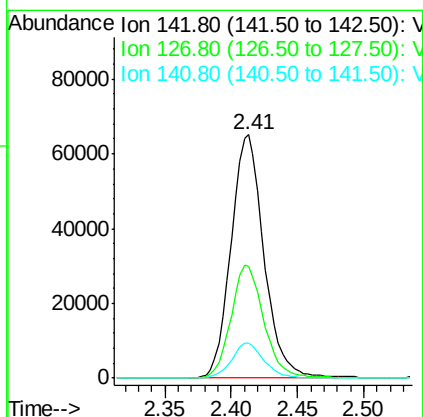
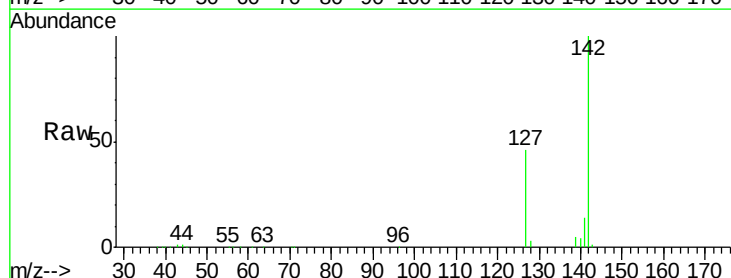
RT: 2.41 min Scan# 567

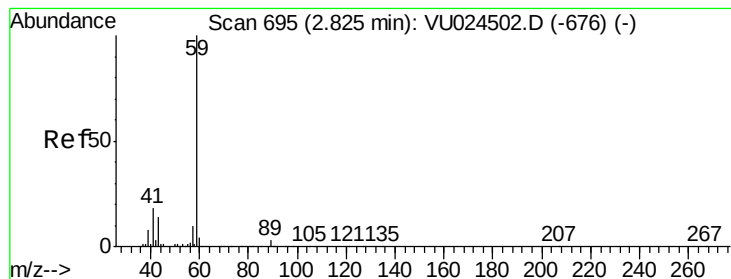
Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	142	Resp:	112320
Ion Ratio	Lower	Upper	
142	100		
127	46.4	35.6	53.4
141	14.1	11.7	17.5





#11

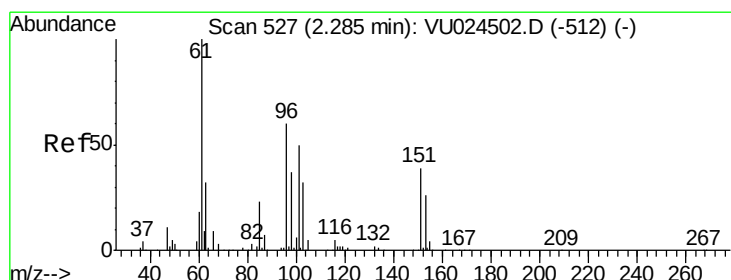
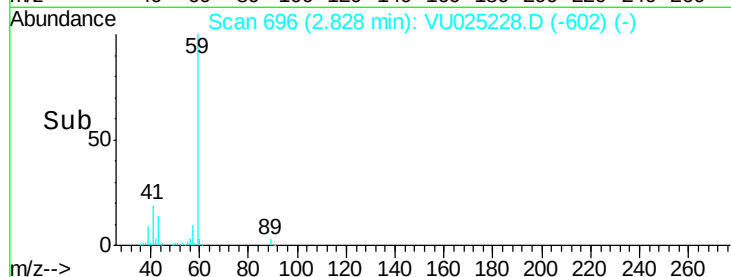
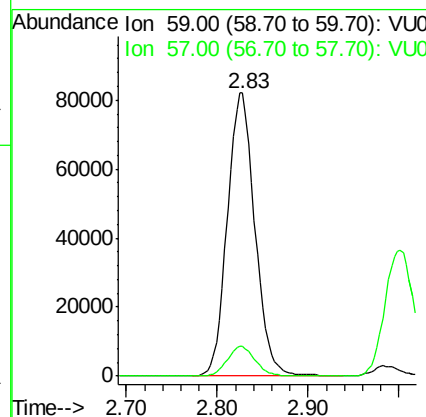
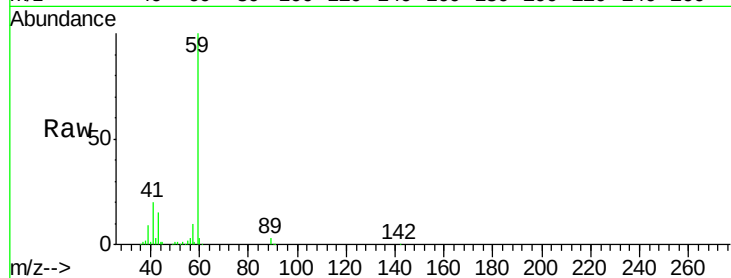
Tert butyl alcohol
Concen: 267.119 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

Manual Integrations
APPROVED

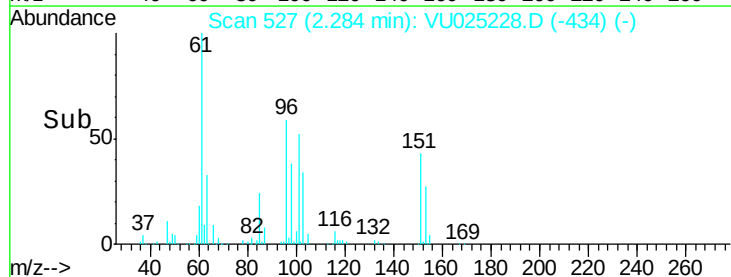
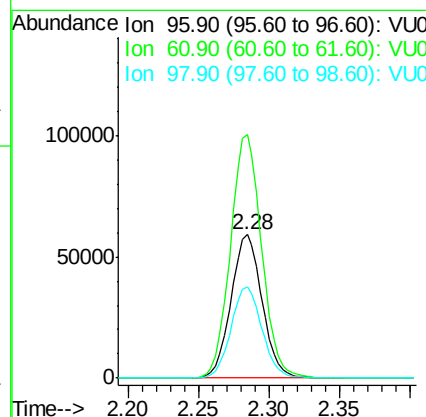
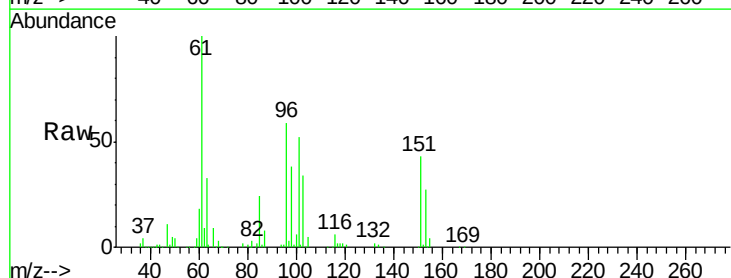
sam
7/6/2018 4:22:02 PM

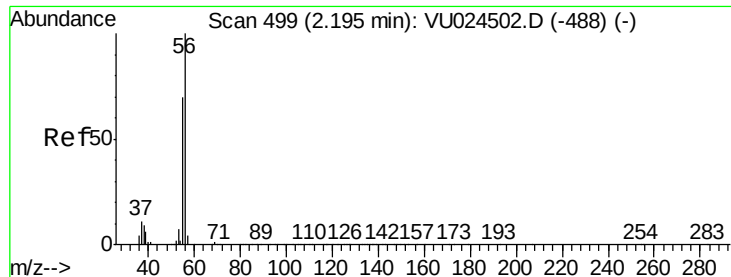


#12

1,1-Dichloroethene
Concen: 49.218 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	141.7	212.5
98	63.9	51.6	77.4





#13

Acrolein

Concen: 284.009 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 56 Resp: 96656

Ion Ratio Lower Upper

56 100

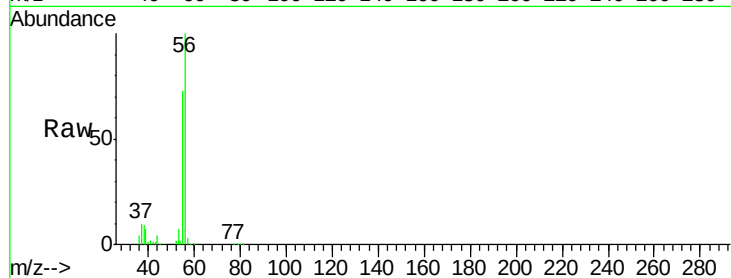
55 72.1 58.4 87.6

Manual Integrations

APPROVED

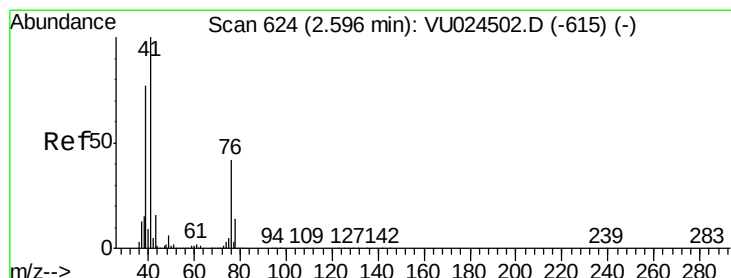
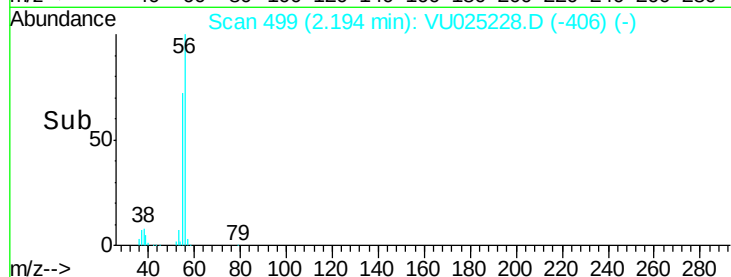
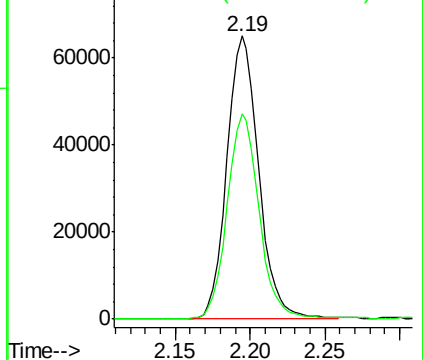
sam

7/6/2018 4:22:02 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 45.693 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

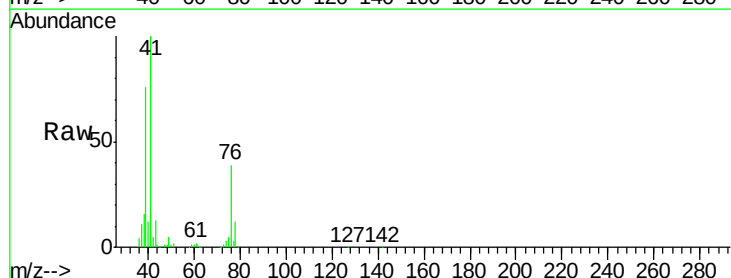
Tgt Ion: 41 Resp: 157684

Ion Ratio Lower Upper

41 100

39 76.7 61.6 92.4

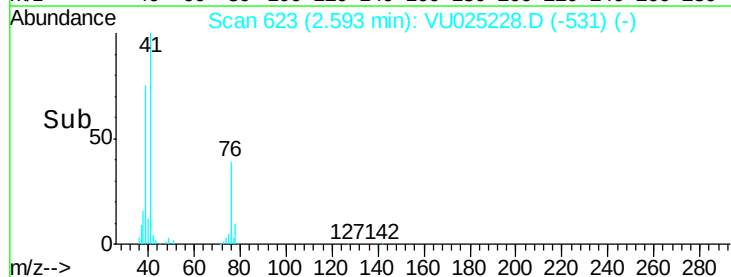
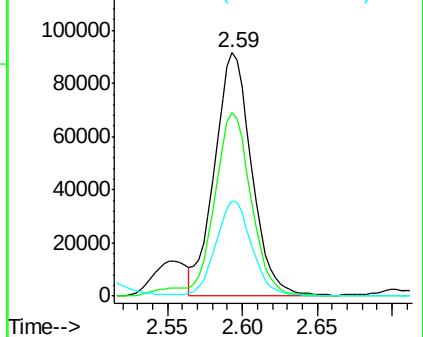
76 37.5 29.7 44.5

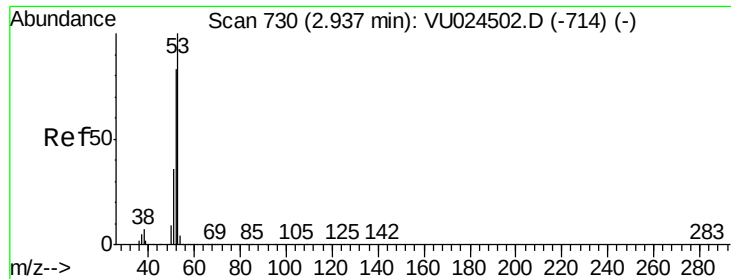


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 272.773 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

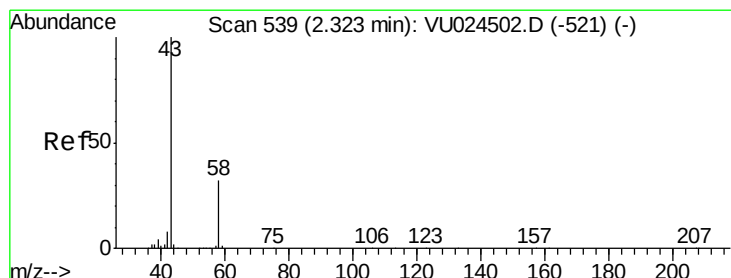
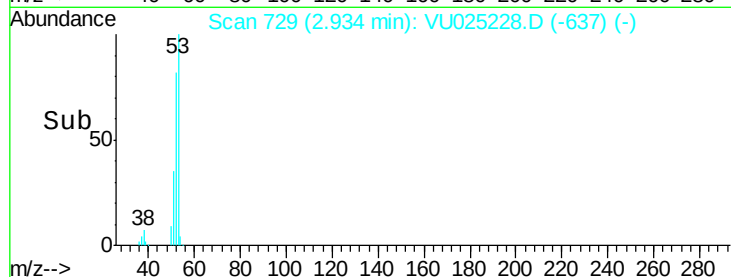
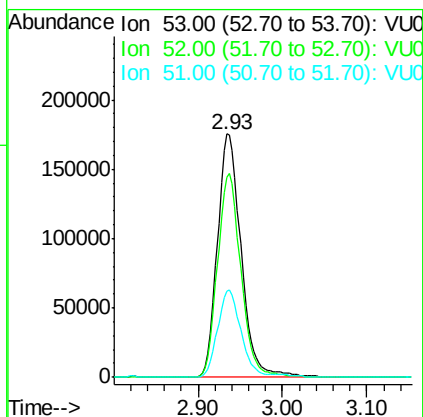
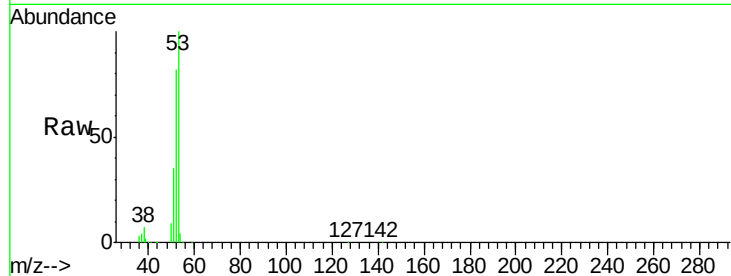
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	53	Resp:	343947
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	35.1	28.4	42.6

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#16

Acetone

Concen: 228.354 ug/l

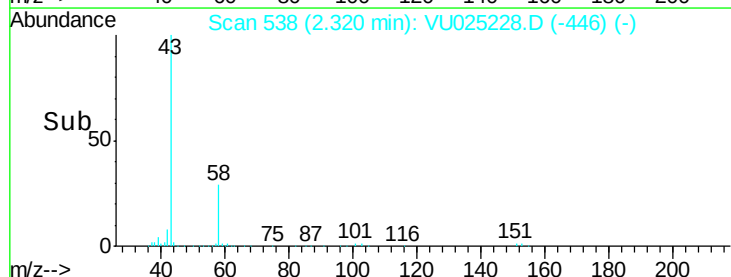
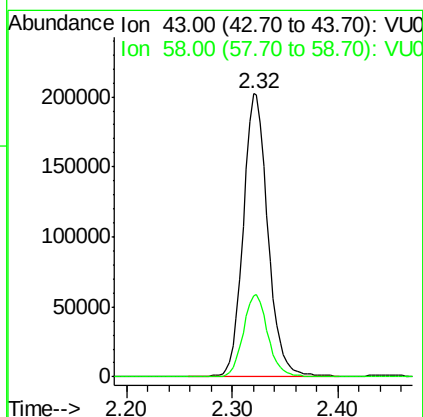
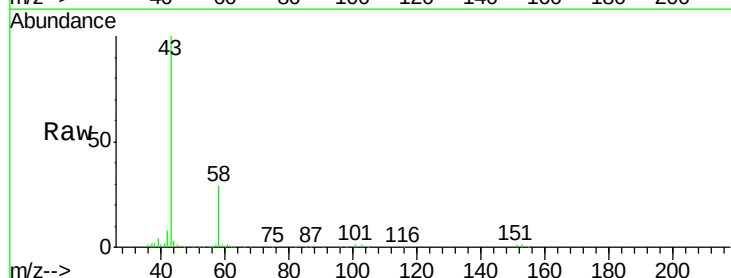
RT: 2.32 min Scan# 538

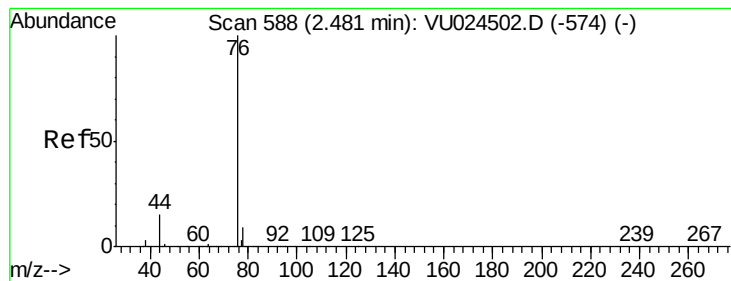
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	43	Resp:	326947
Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.4	36.6





#17

Carbon Disulfide

Concen: 42.275 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 76 Resp: 251588

Ion Ratio Lower Upper

76 100

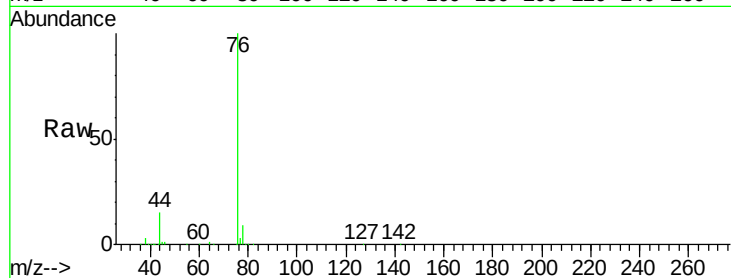
78 9.1 7.1 10.7

Manual Integrations

APPROVED

sam

7/6/2018 4:22:02 PM



Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

2.48

150000

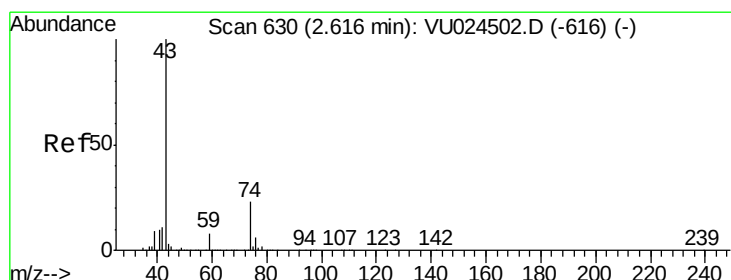
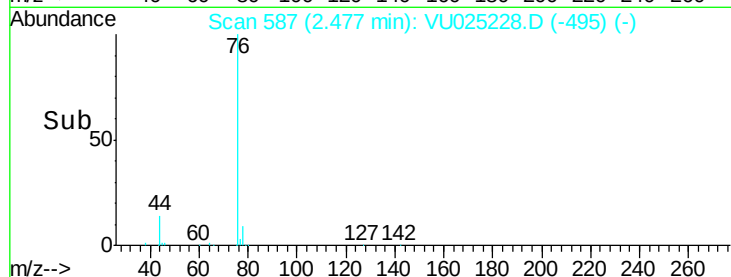
100000

50000

0

2.40 2.45 2.50 2.55 2.60

Time-->



#18

Methyl Acetate

Concen: 65.494 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU025228.D

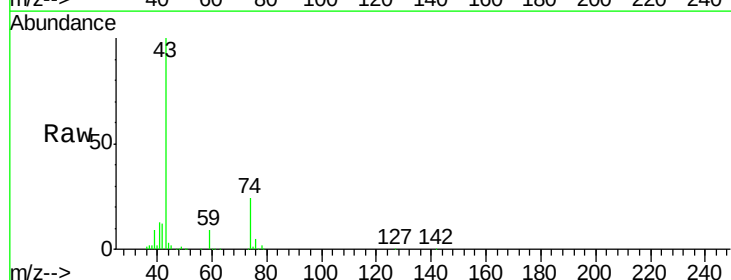
Acq: 05 Jul 2018 20:18

Tgt Ion: 43 Resp: 201026

Ion Ratio Lower Upper

43 100

74 23.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-616) (-)

Ion 74.00 (73.70 to 74.70): VU024502.D (-616) (-)

2.62

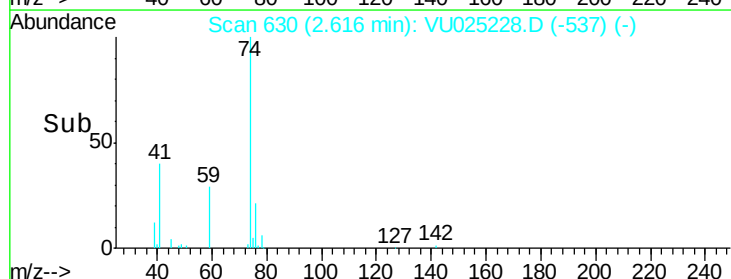
100000

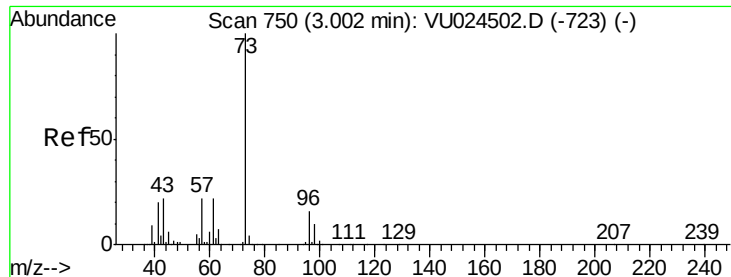
50000

0

2.55 2.60 2.65 2.70

Time-->





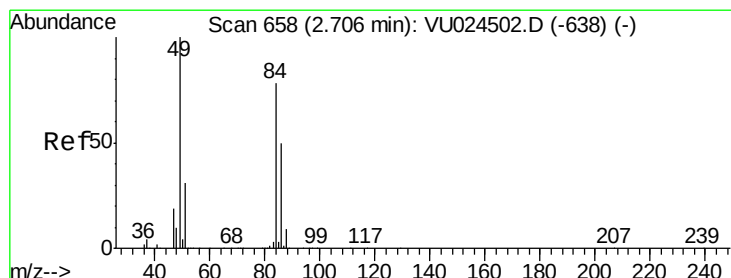
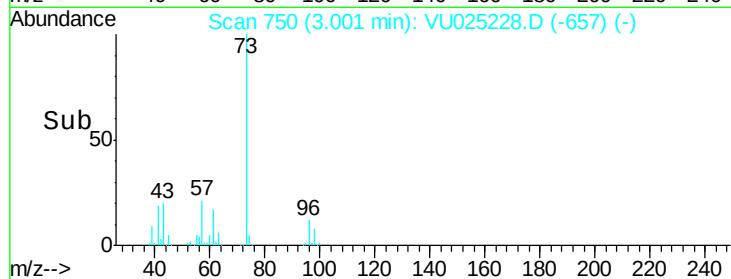
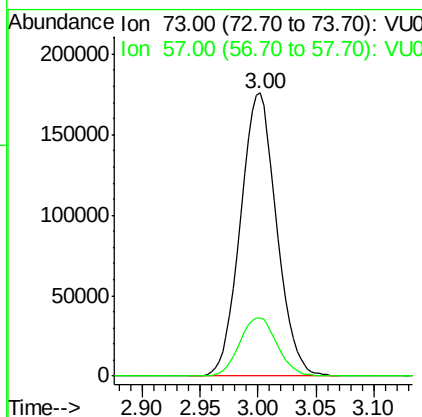
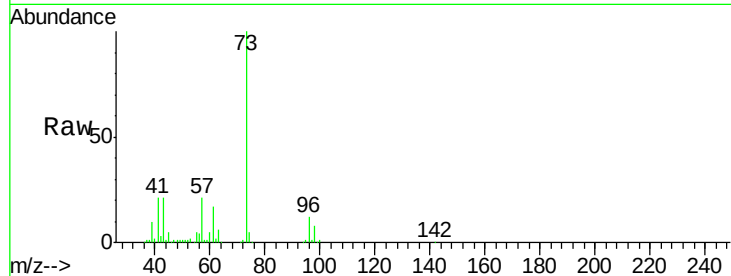
#19
Methvl tert-butyl Ether
Concen: 54.699 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	18.8	28.2

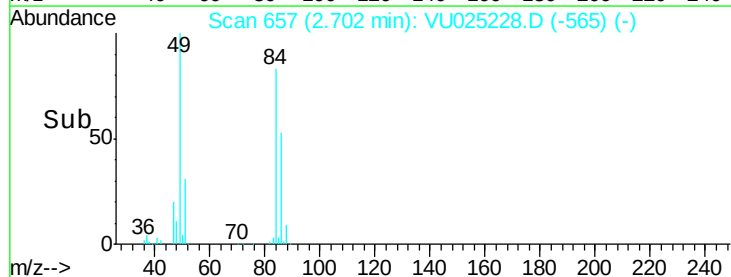
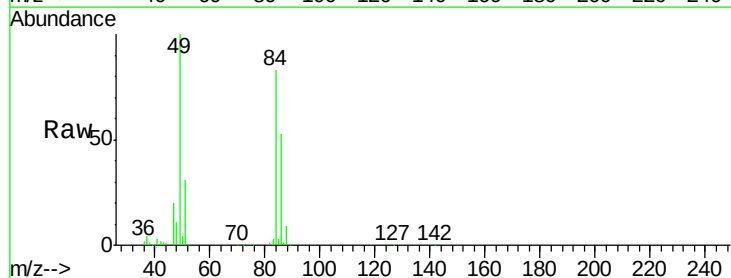
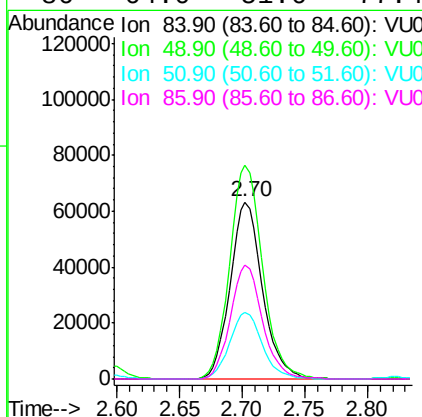
Manual Integrations
APPROVED

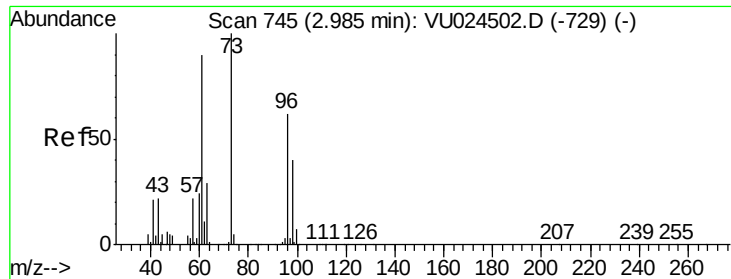
sam
7/6/2018 4:22:02 PM



#20
Methylene Chloride
Concen: 50.428 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	103.8	155.8
51	37.5	32.0	48.0
86	64.0	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 50.531 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

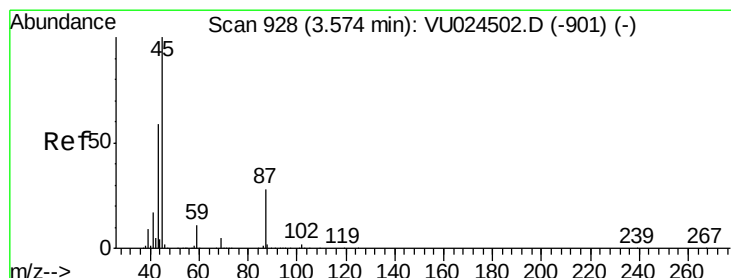
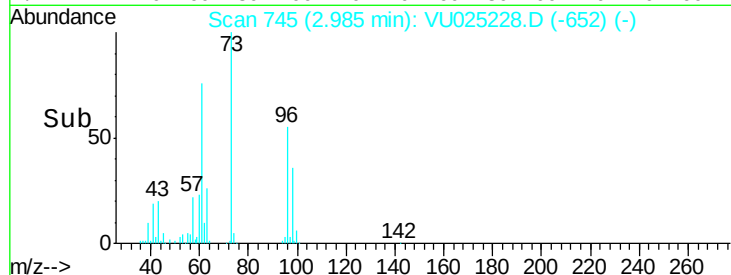
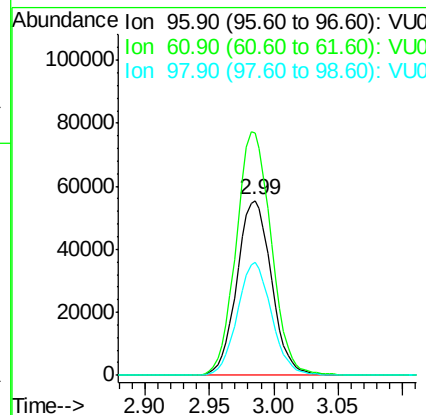
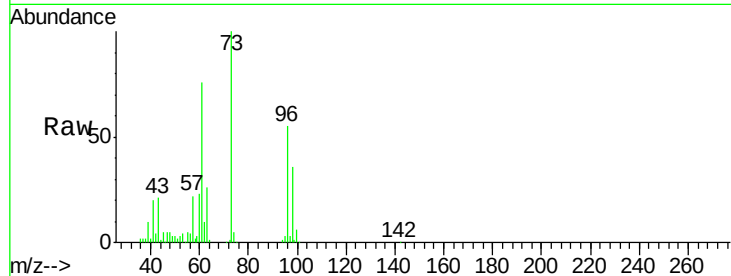
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	96	Resp:	103439
Ion	Ratio	Lower	Upper
96	100		
61	138.8	119.4	179.0
98	64.6	51.1	76.7

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#22

Diisopropyl ether

Concen: 53.138 ug/l

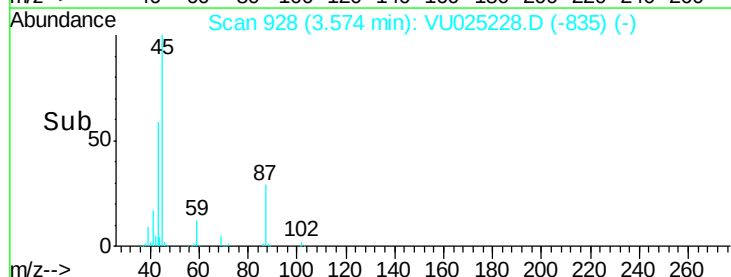
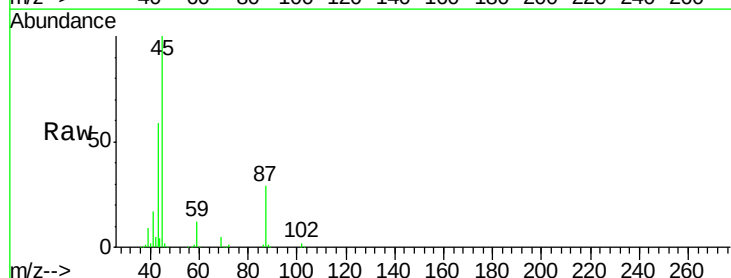
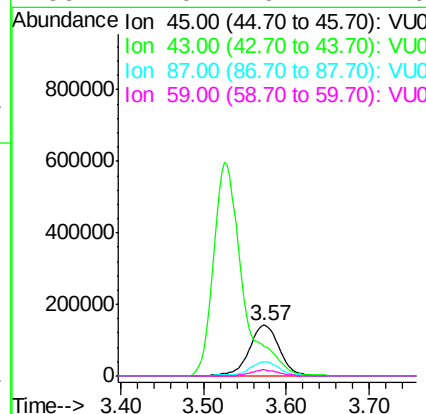
RT: 3.57 min Scan# 928

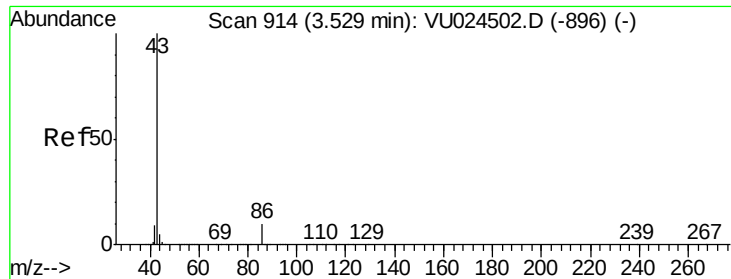
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	45	Resp:	363511
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.8	68.6
87	28.8	20.6	31.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 237.796 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 43 Resp: 1457224

Ion Ratio Lower Upper

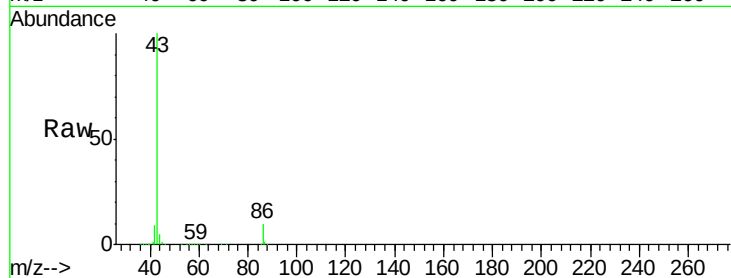
43 100

86 10.4 7.8 11.8

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

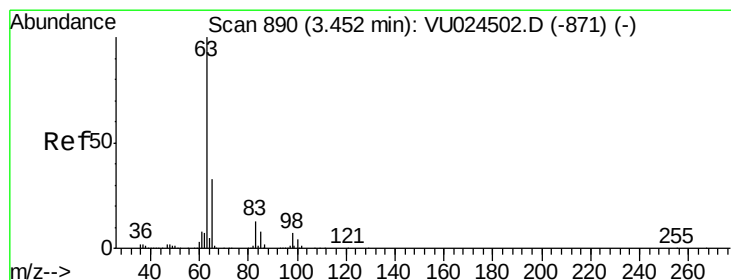
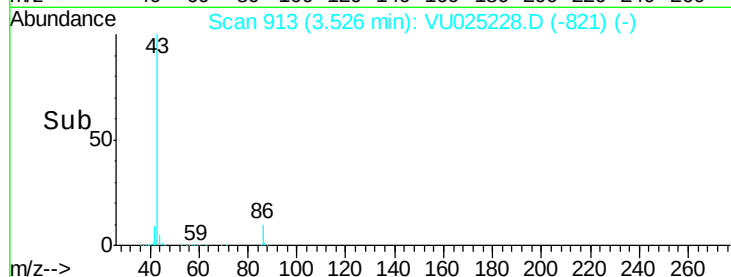
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.453 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

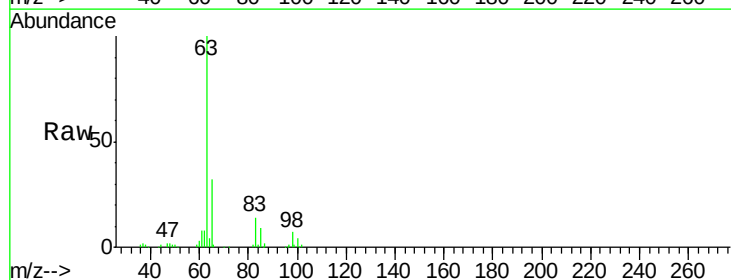
Tgt Ion: 63 Resp: 206422

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

3.45

120000

100000

80000

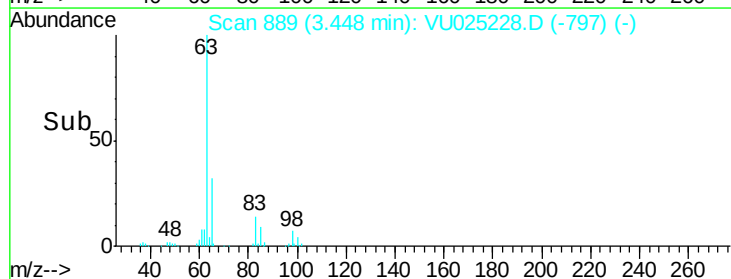
60000

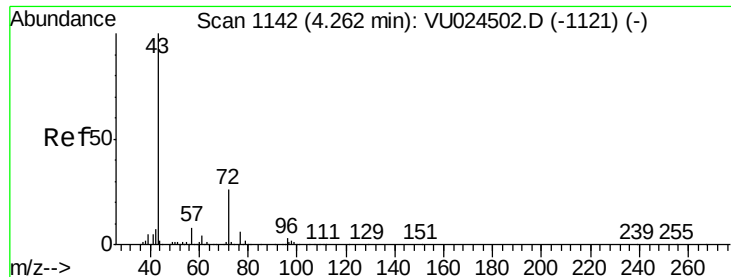
40000

20000

0

Time-->





#25

2-Butanone

Concen: 258.005 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 43 Resp: 496189

Ion Ratio Lower Upper

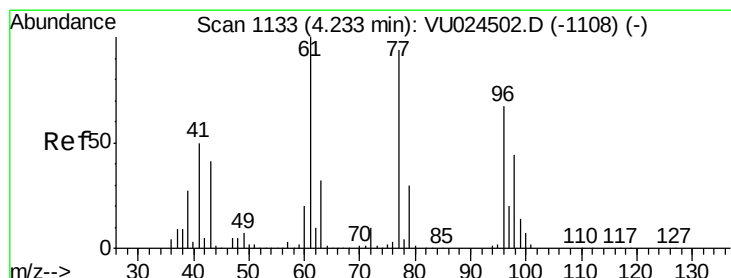
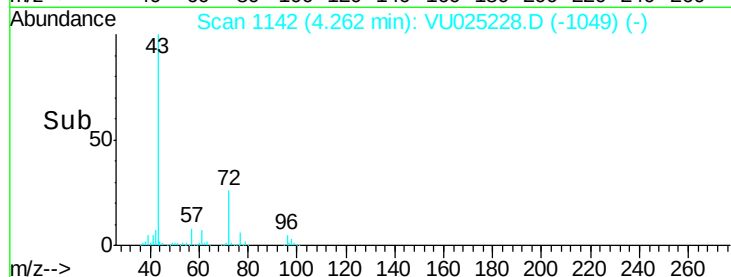
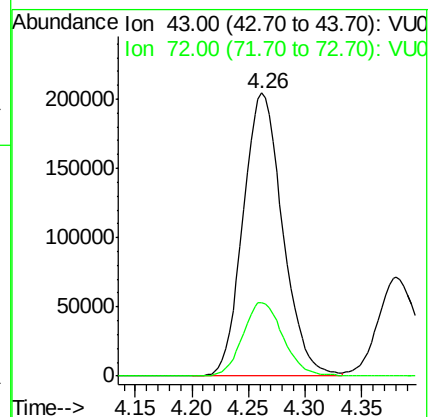
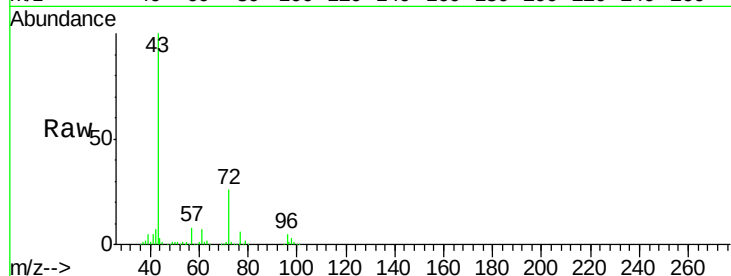
43 100

72 26.0 19.6 29.4

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#26

2,2-Dichloropropane

Concen: 37.273 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025228.D

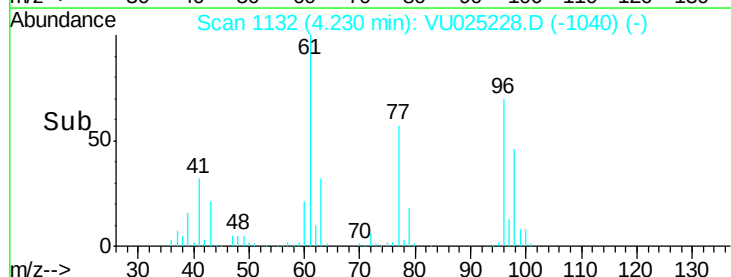
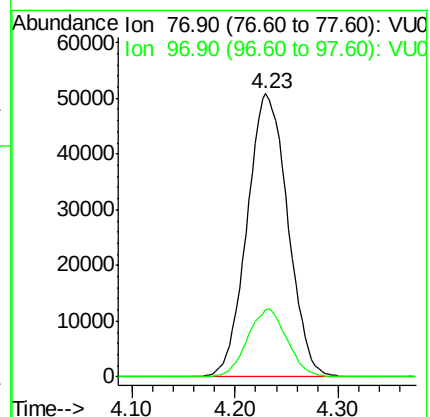
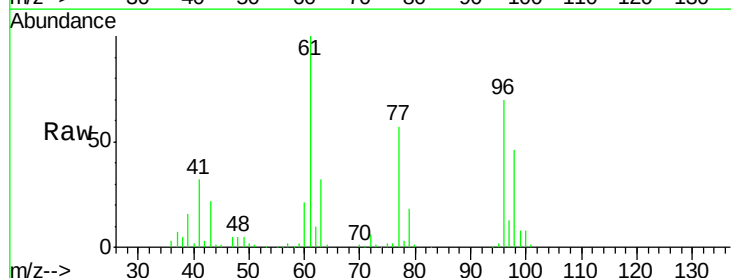
Acq: 05 Jul 2018 20:18

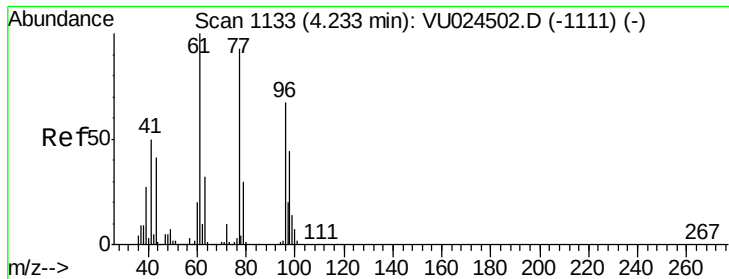
Tgt Ion: 77 Resp: 139282

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 64.965 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

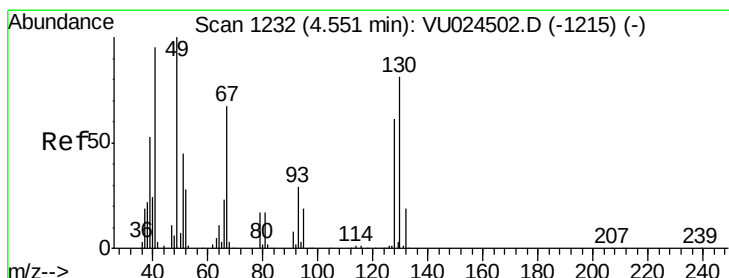
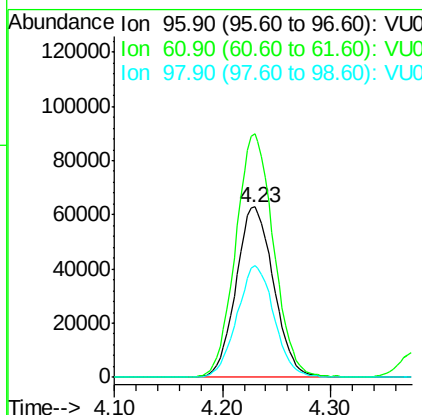
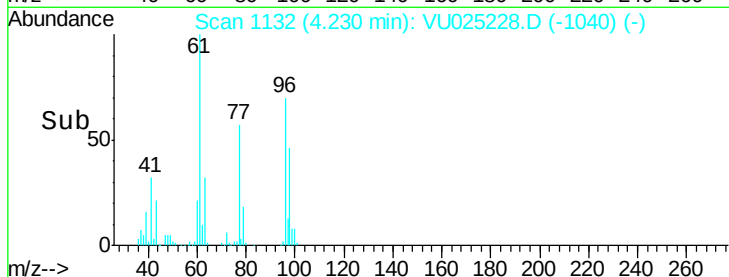
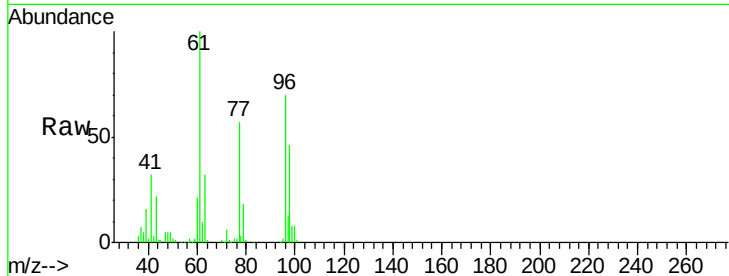
Instrument :
MSVOA_U

ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	306.6
98	64.6	0.0	128.8

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#28

Bromochloromethane

Concen: 50.253 ug/l

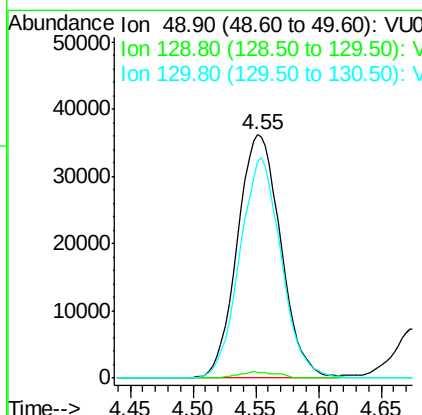
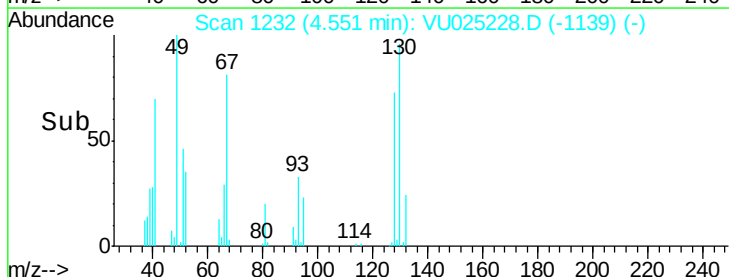
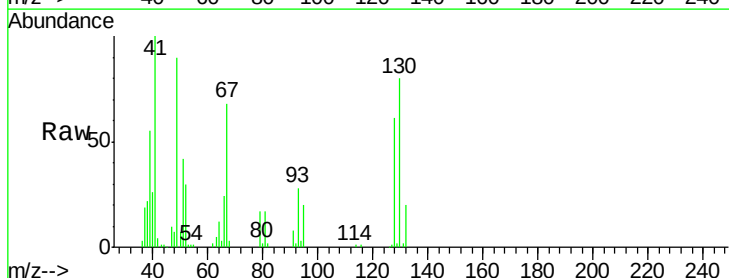
RT: 4.55 min Scan# 1232

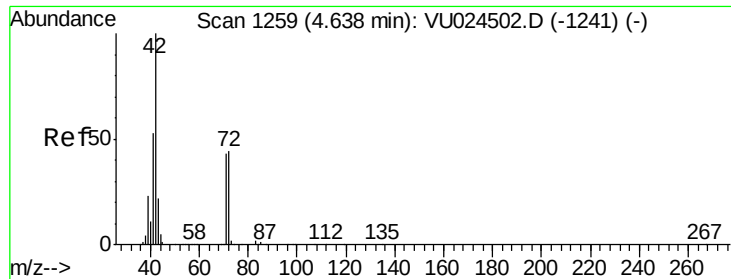
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	86.6	57.8	86.6





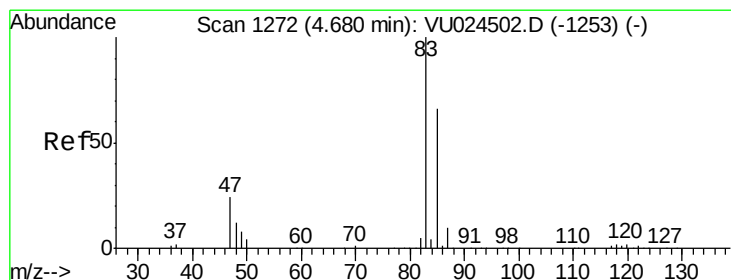
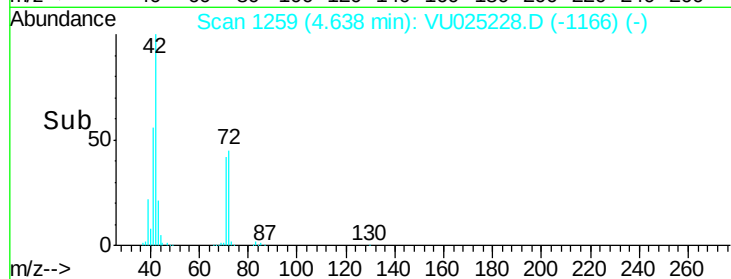
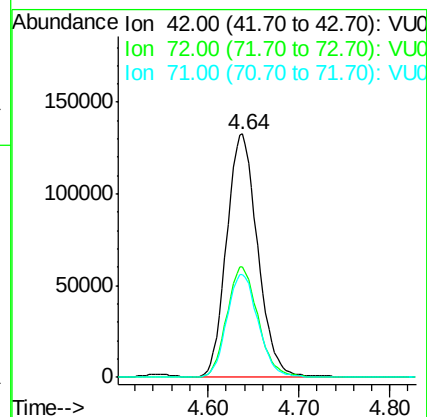
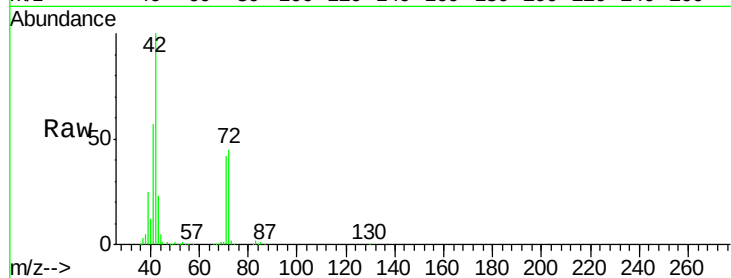
#29
Tetrahydrofuran
Concen: 263.305 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	34.5	51.7
71	42.9	32.2	48.4

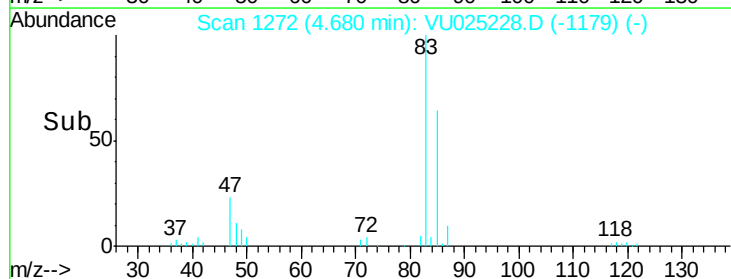
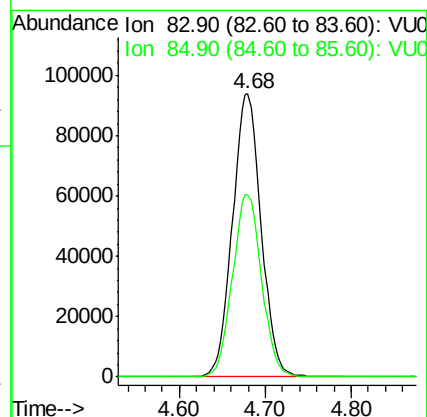
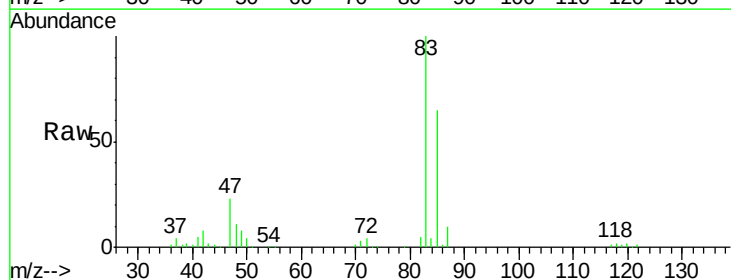
Manual Integrations
APPROVED

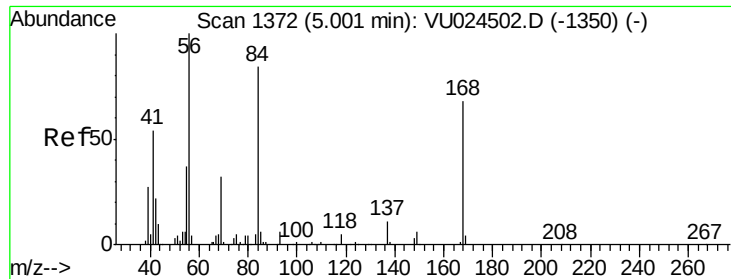
sam
7/6/2018 4:22:02 PM



#30
Chloroform
Concen: 54.475 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.4	78.6





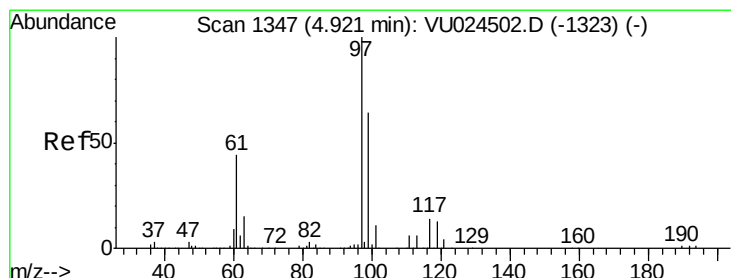
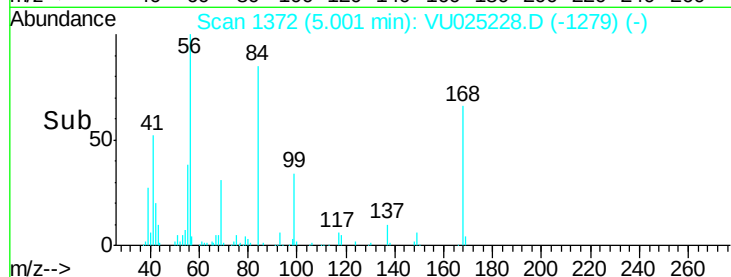
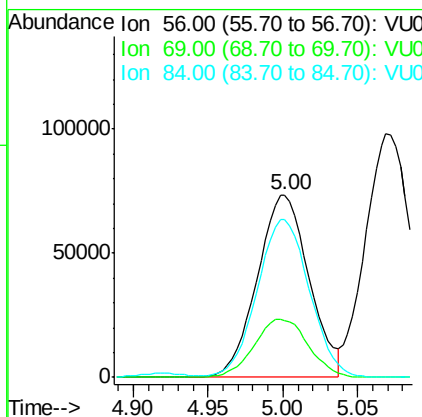
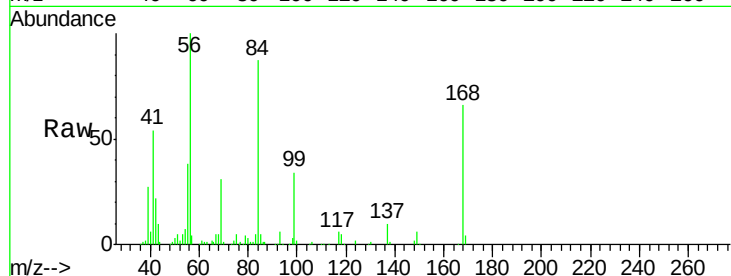
#31
Cyclohexane
Concen: 50.567 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.8	37.2
84	85.3	65.2	97.8

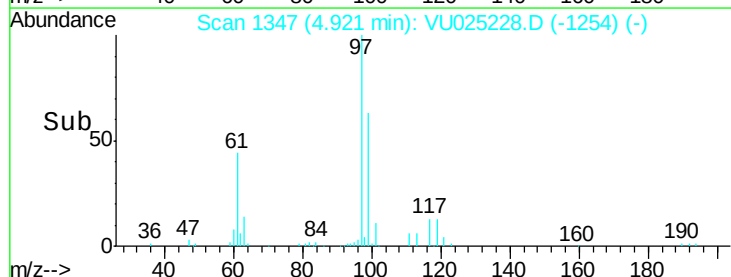
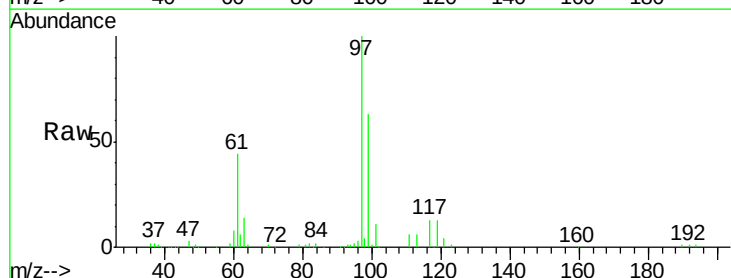
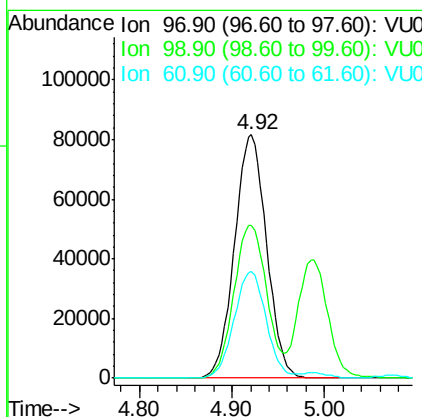
Manual Integrations
APPROVED

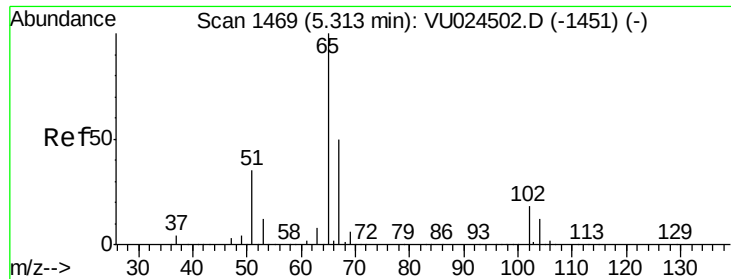
sam
7/6/2018 4:22:02 PM



#32
1,1,1-Trichloroethane
Concen: 53.091 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	43.8	39.4	59.0





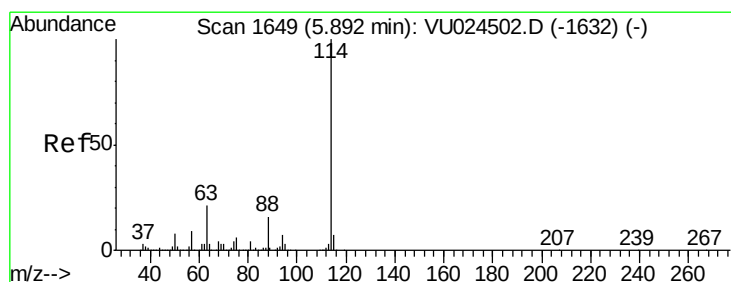
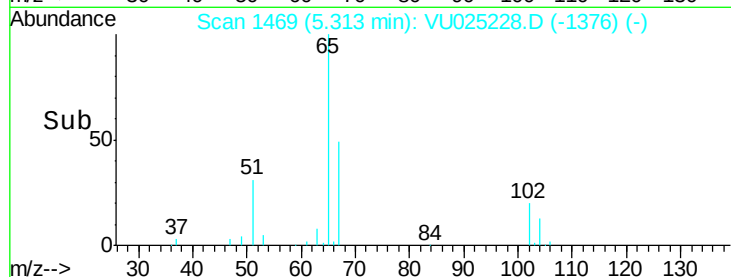
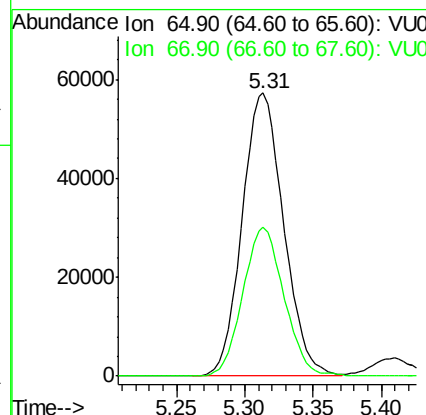
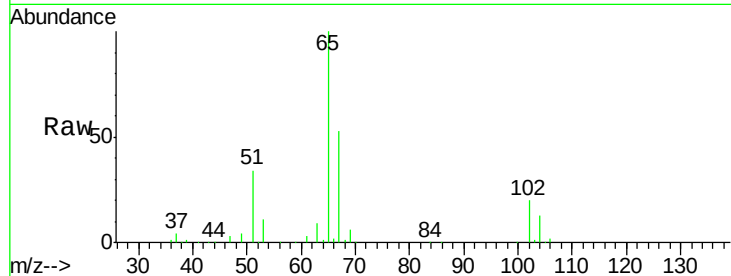
#33
 1,2-Dichloroethane-d4
 Concen: 45.423 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.0

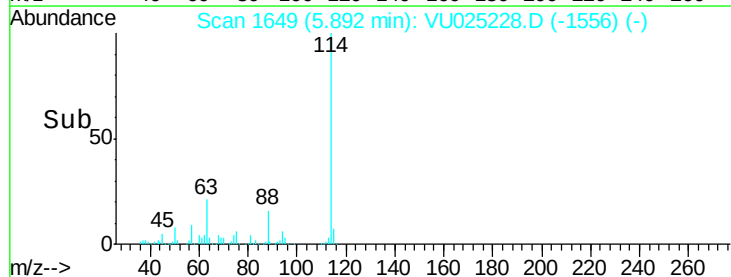
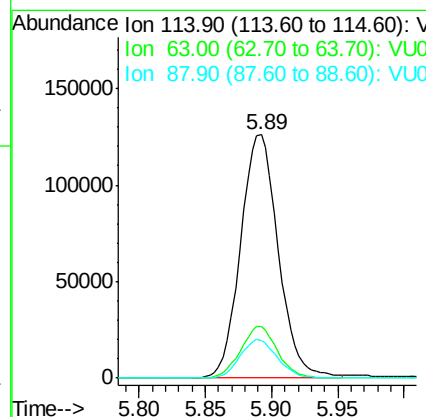
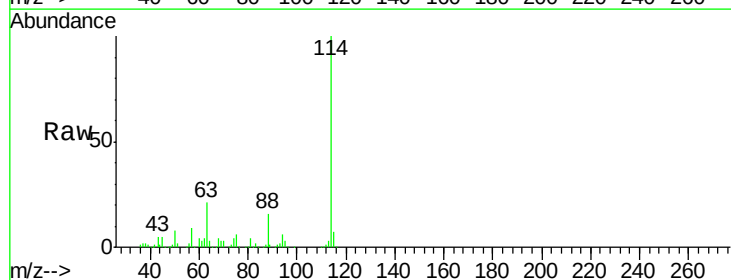
Manual Integrations
 APPROVED

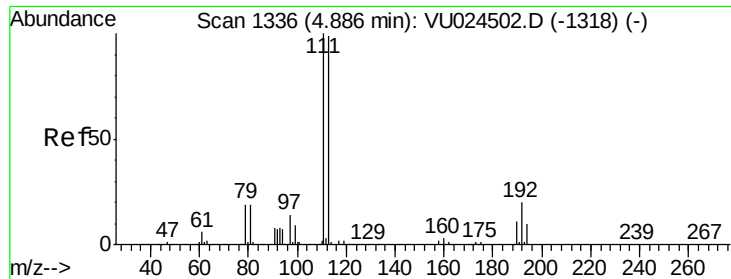
sam
 7/6/2018 4:22:02 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	45.4
88	15.5	0.0	31.0





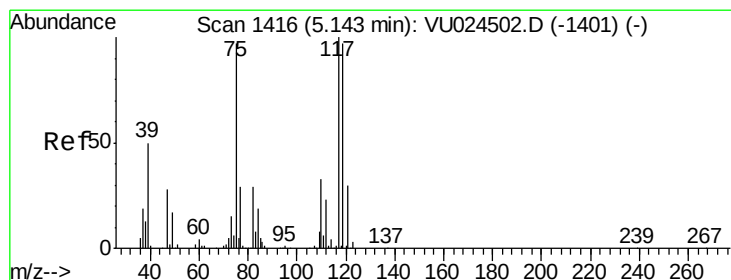
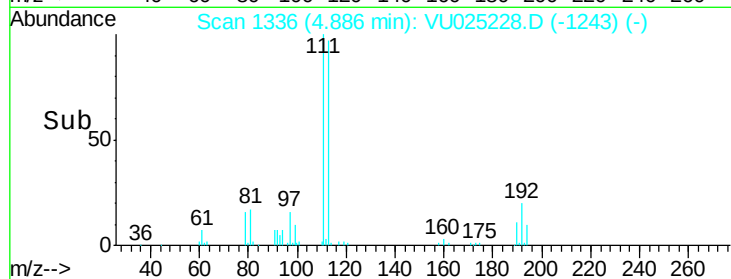
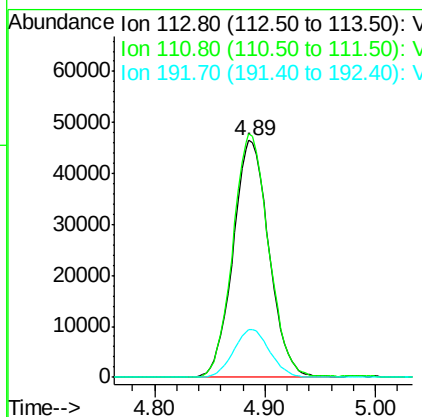
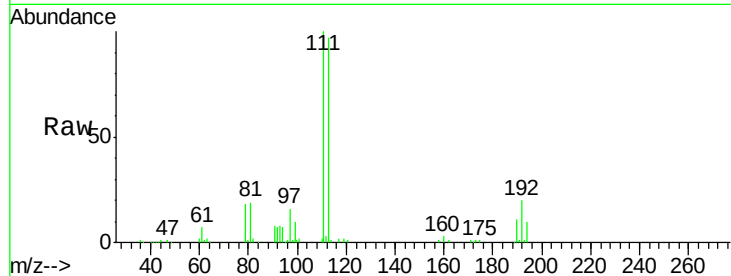
#35
 Dibromofluoromethane
 Concen: 50.640 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	82.2	123.4	
192	20.4	16.2	24.4	

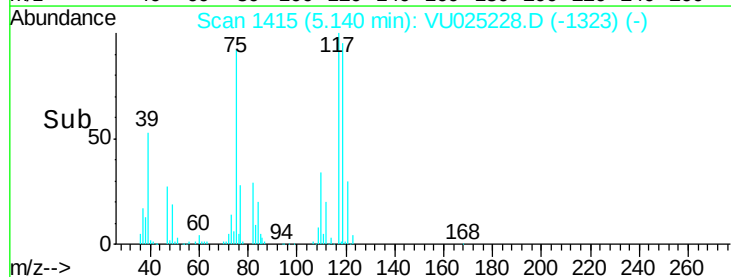
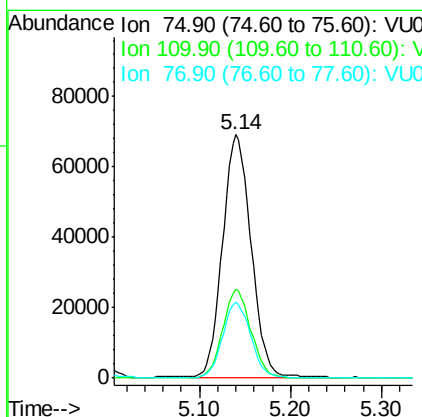
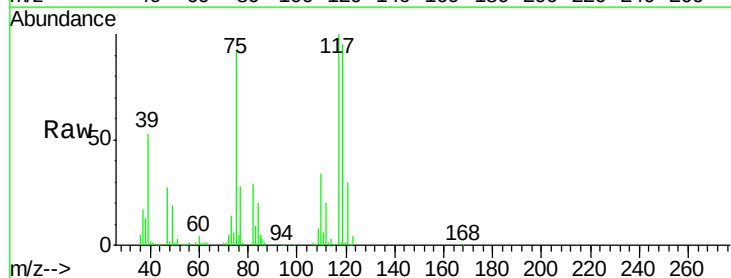
Manual Integrations
 APPROVED

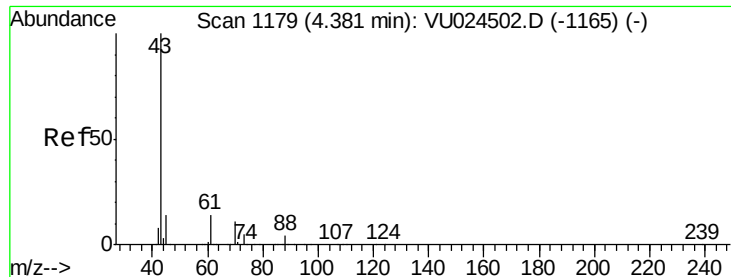
sam
 7/6/2018 4:22:02 PM



#36
 1,1-Dichloropropene
 Concen: 51.192 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.3	17.0	50.9	
77	31.1	24.2	36.4	





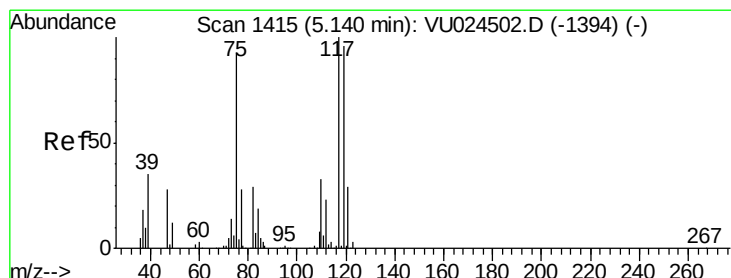
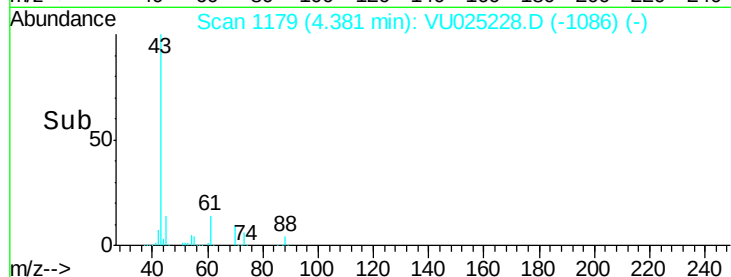
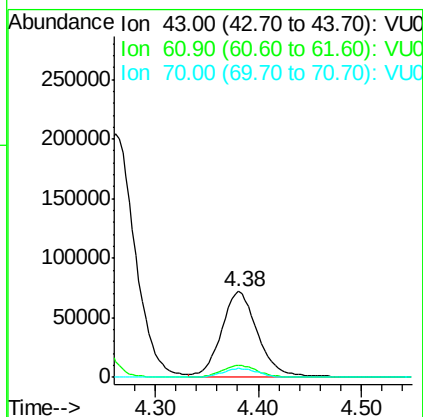
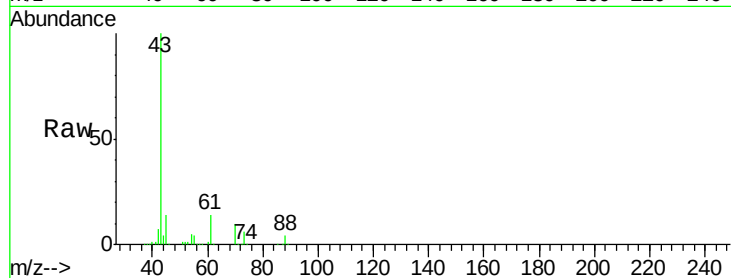
#37
Ethyl Acetate
Concen: 54.316 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	10.3	7.4	11.2

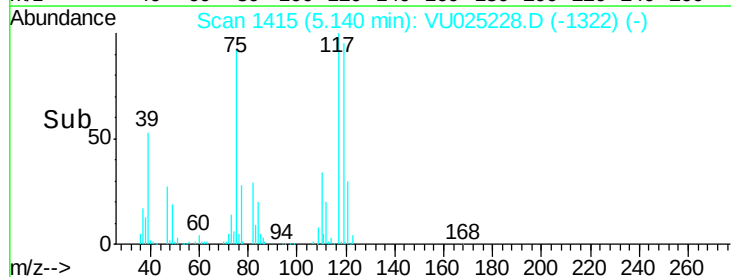
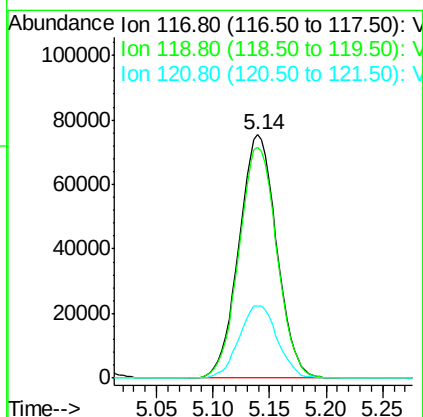
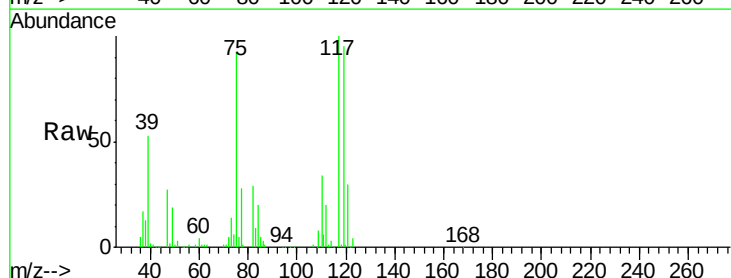
Manual Integrations
APPROVED

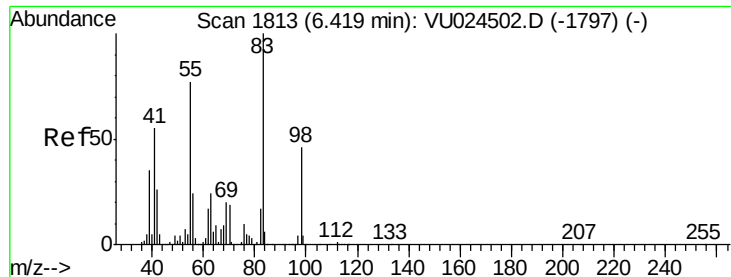
sam
7/6/2018 4:22:02 PM



#38
Carbon Tetrachloride
Concen: 54.230 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.1	114.1
121	29.8	23.7	35.5





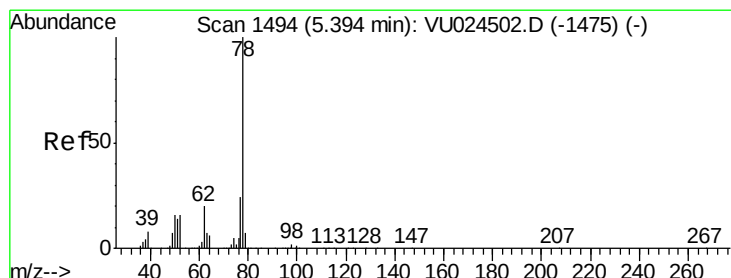
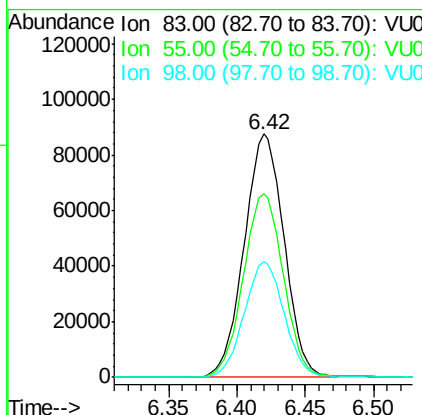
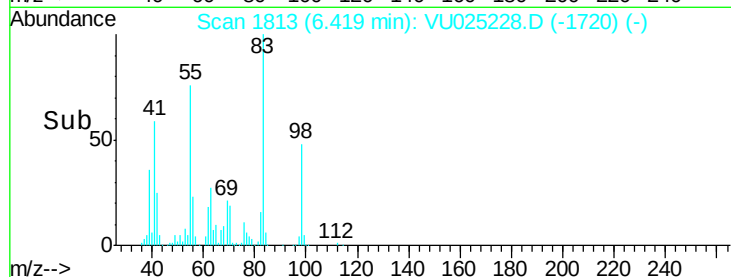
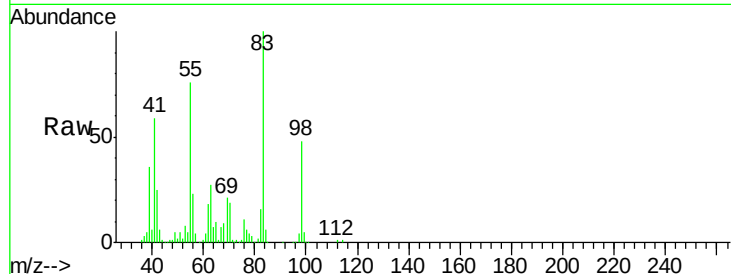
#39
Methylvlcyclohexane
Concen: 48.698 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	65.8	98.6
98	47.5	36.7	55.1

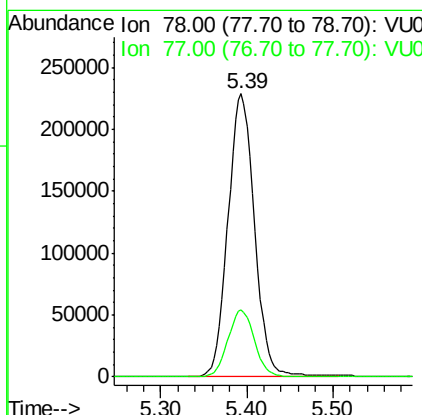
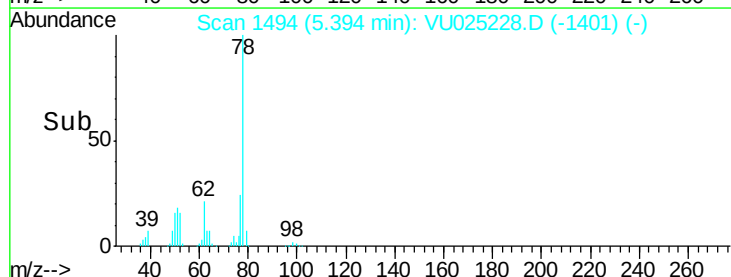
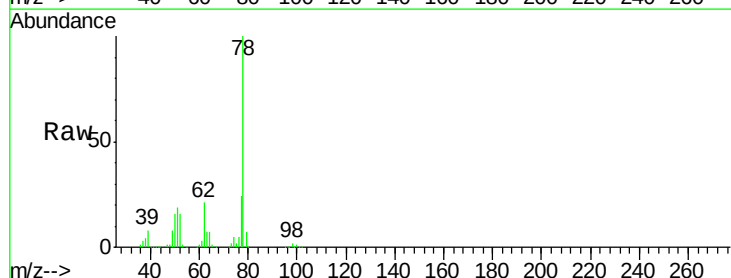
Manual Integrations
APPROVED

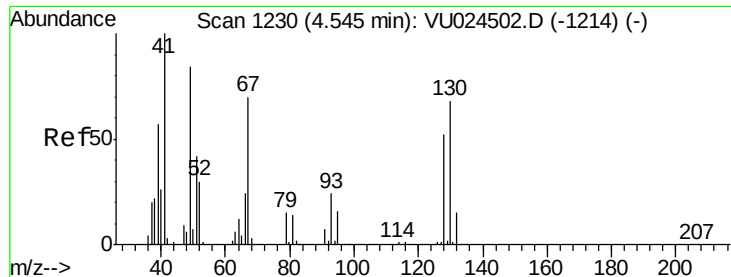
sam
7/6/2018 4:22:02 PM



#40
Benzene
Concen: 58.788 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.2	28.8





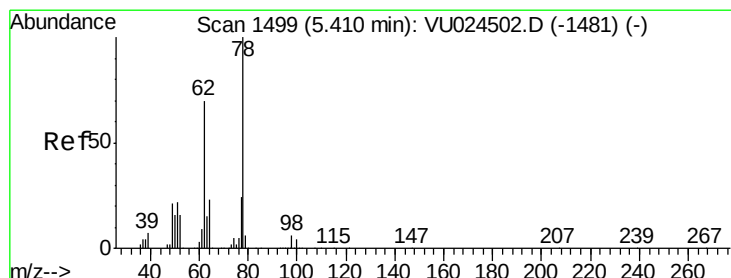
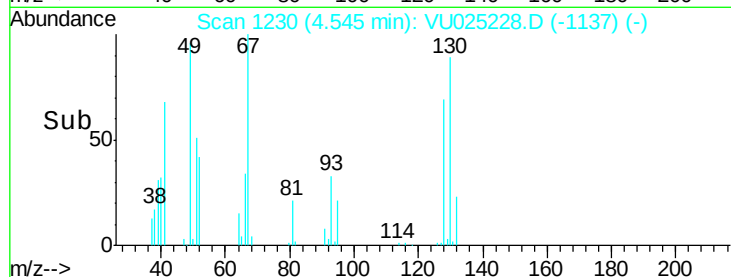
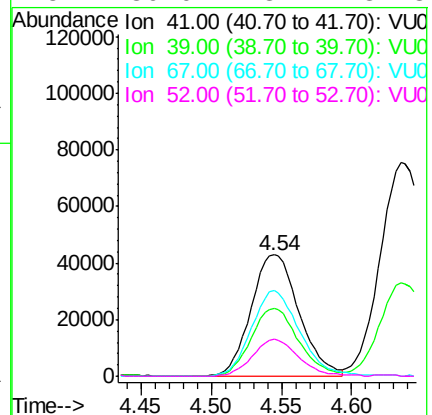
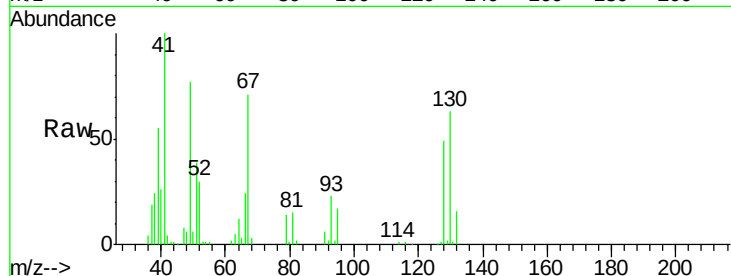
#41
Methacrylonitrile
Concen: 58.924 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.7	43.8	65.6
67	71.6	56.3	84.5
52	30.0	23.2	34.8

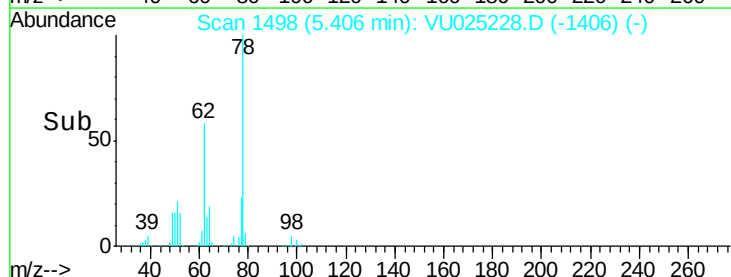
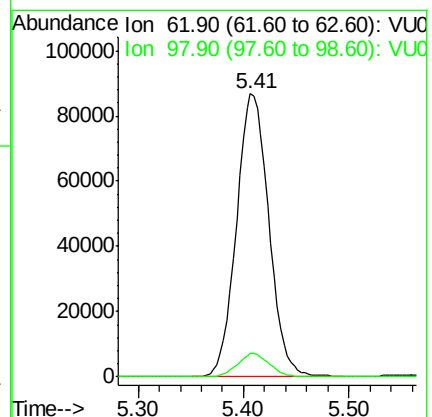
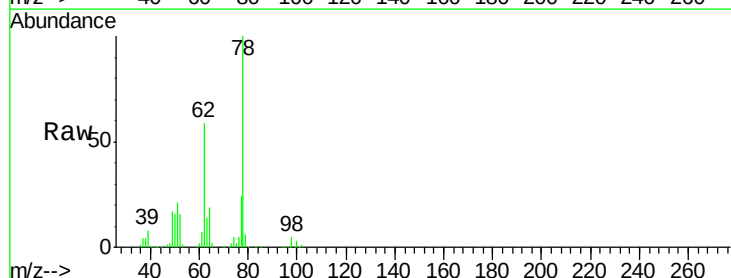
Manual Integrations
APPROVED

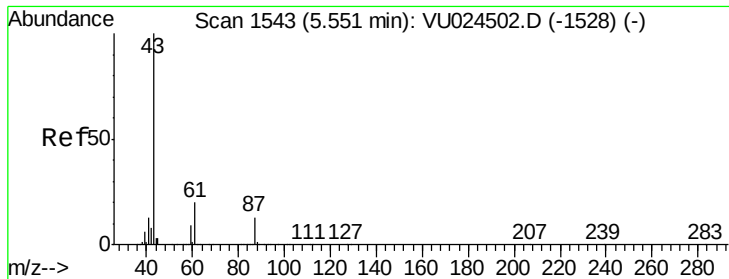
sam
7/6/2018 4:22:02 PM



#42
1,2-Dichloroethane
Concen: 58.230 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.6





#43

Isopropyl Acetate

Concen: 51.601 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

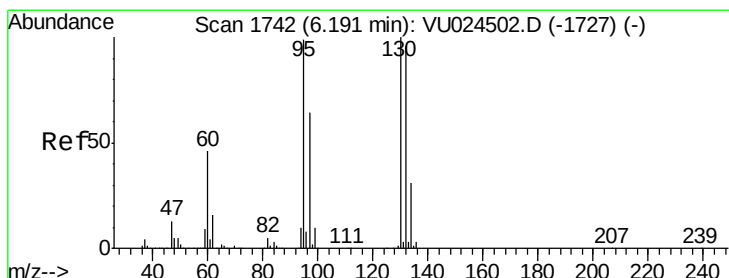
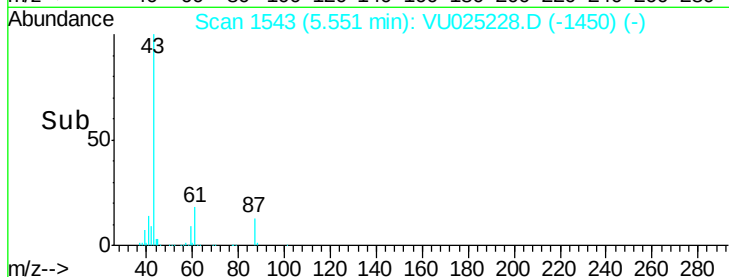
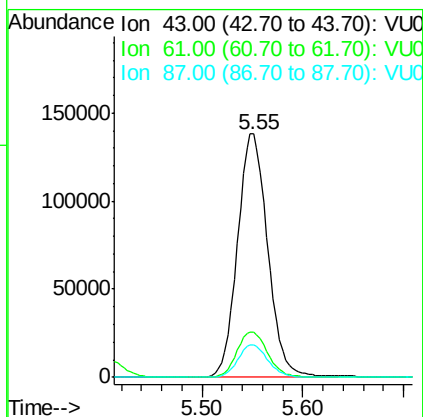
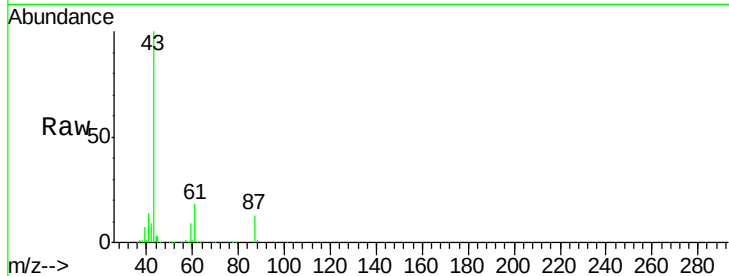
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	43	Resp:	284898
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.4	23.0
87	13.3	10.0	15.0

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#44

Trichloroethene

Concen: 59.568 ug/l

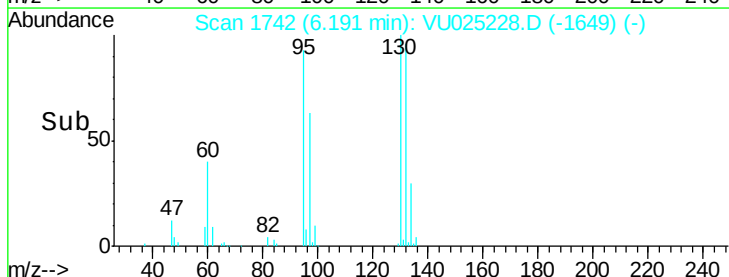
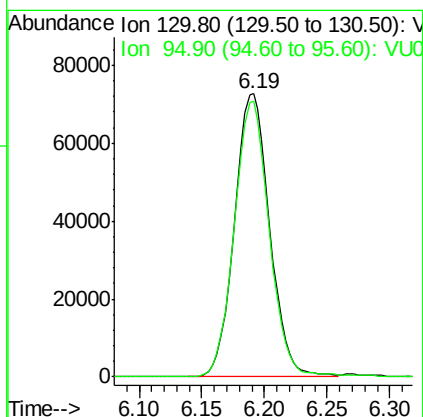
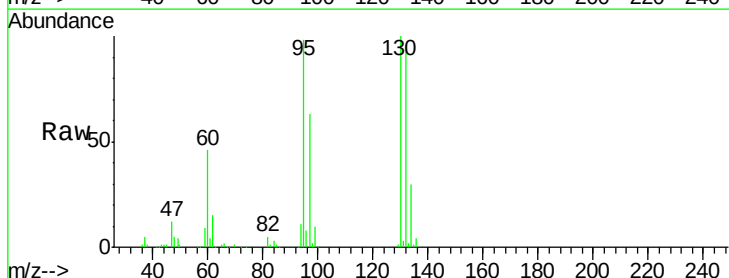
RT: 6.19 min Scan# 1742

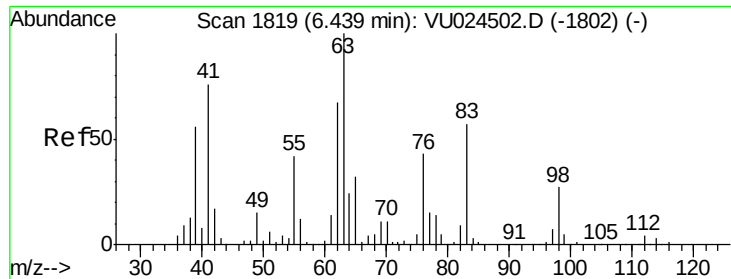
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	130	Resp:	141568
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	202.4





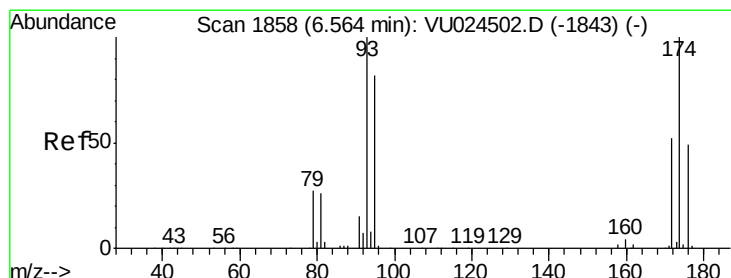
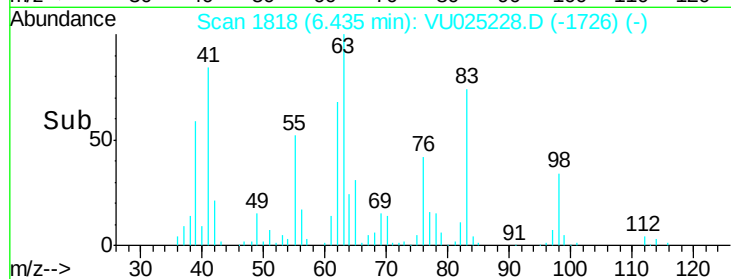
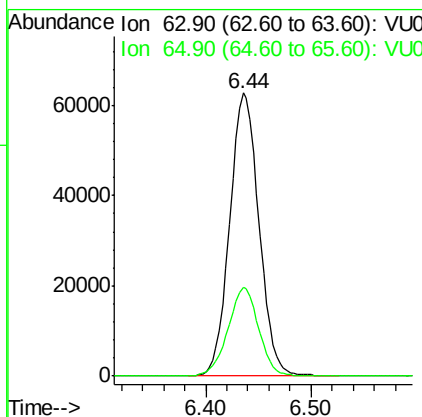
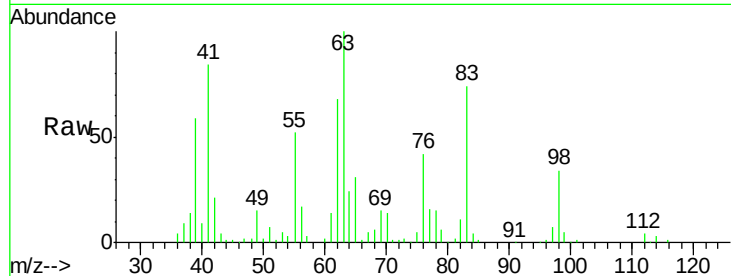
#45
 1,2-Dichloropropane
 Concen: 54.198 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion: 63 Resp: 120761
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2

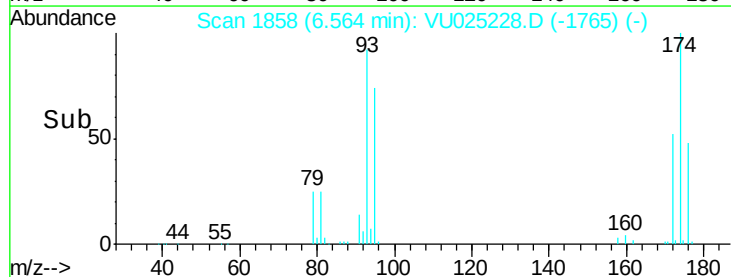
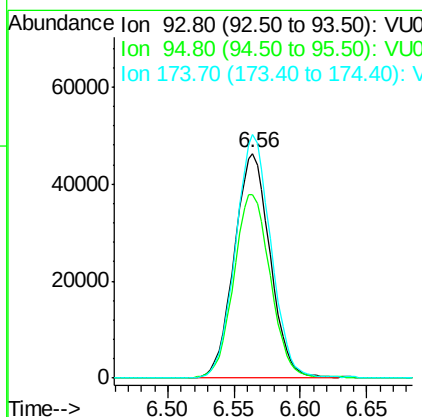
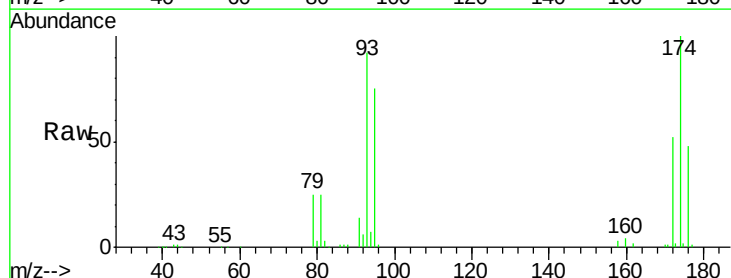
Manual Integrations
 APPROVED

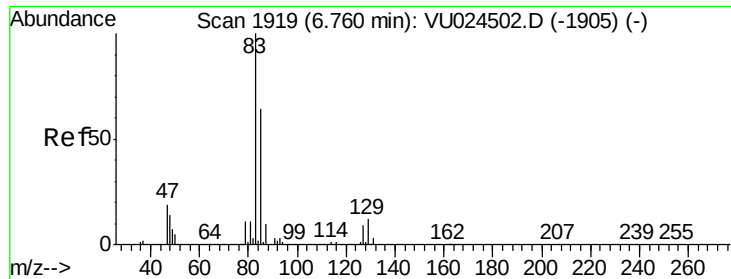
sam
 7/6/2018 4:22:02 PM



#46
 Dibromomethane
 Concen: 55.647 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion: 93 Resp: 87092
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.5 98.3
 174 106.8 78.7 118.1





#47

Bromodichloromethane

Concen: 53.650 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

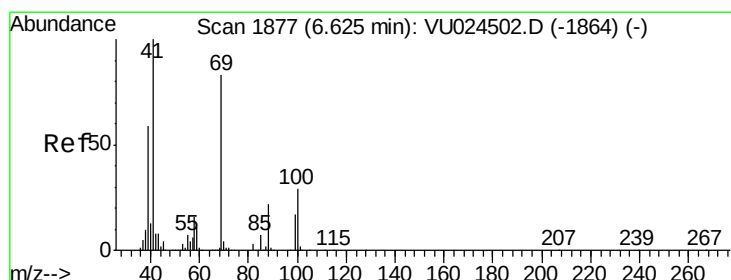
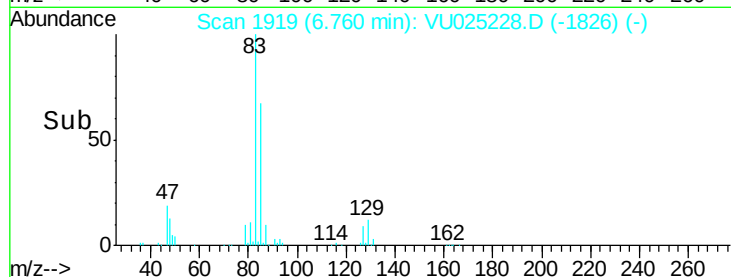
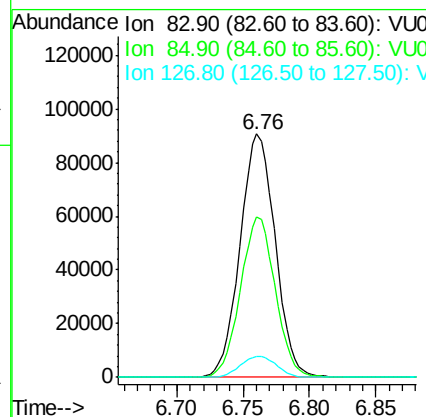
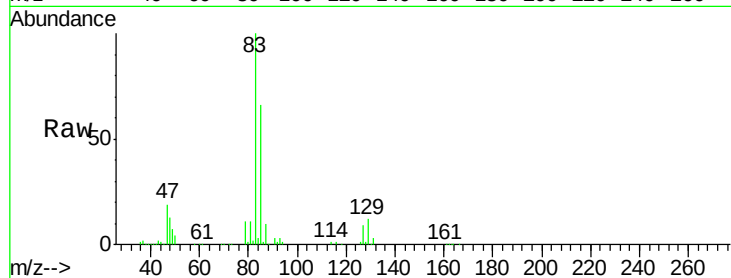
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	83	Resp:	167199
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.9	77.9
127	8.6	6.6	9.8

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#48

Methyl methacrylate

Concen: 56.271 ug/l

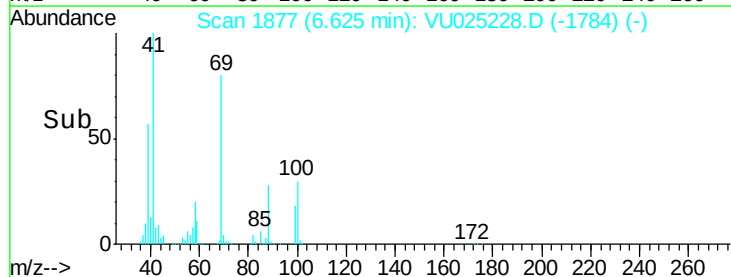
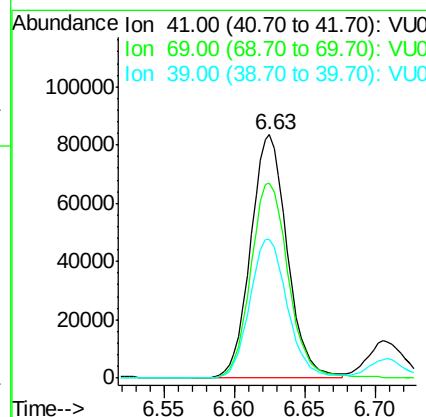
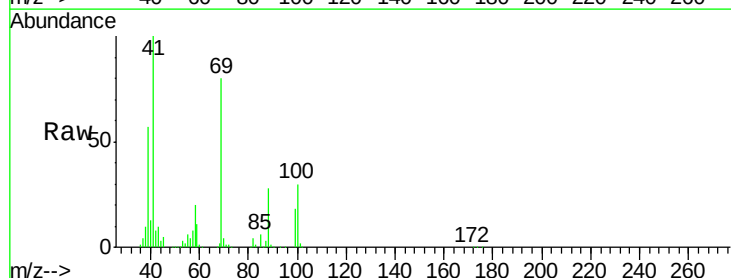
RT: 6.63 min Scan# 1877

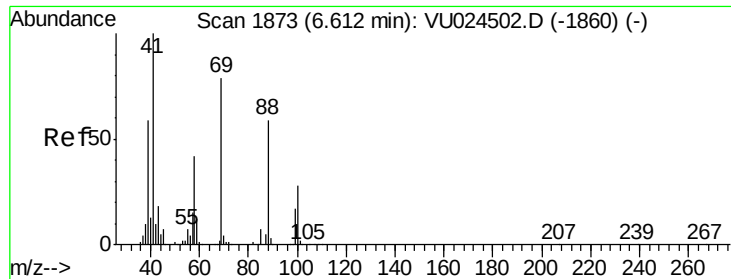
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	41	Resp:	151284
Ion	Ratio	Lower	Upper
41	100		
69	83.0	67.3	100.9
39	59.0	46.5	69.7





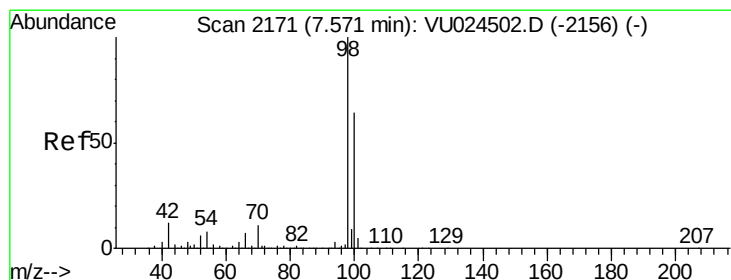
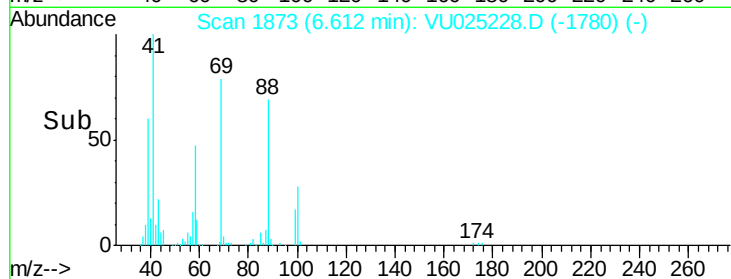
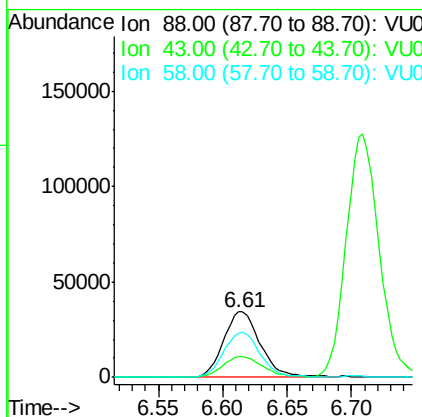
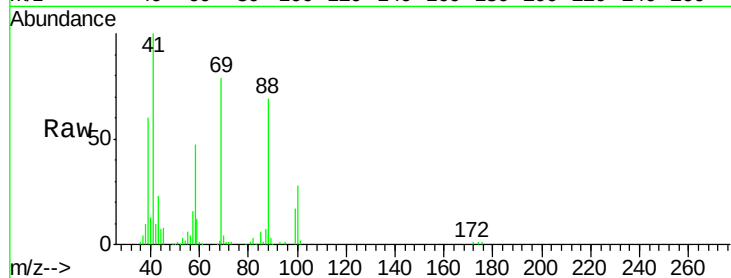
#49
1,4-Dioxane
Concen: 1270.897 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.6	42.8
58	69.9	58.2	87.4

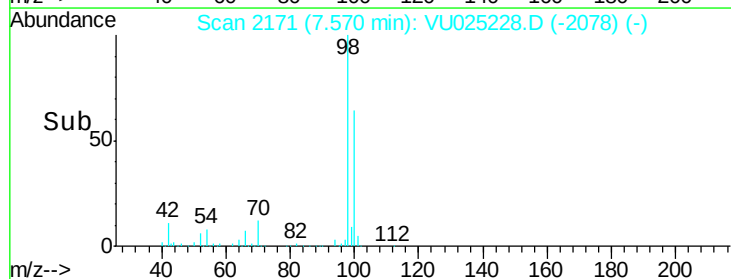
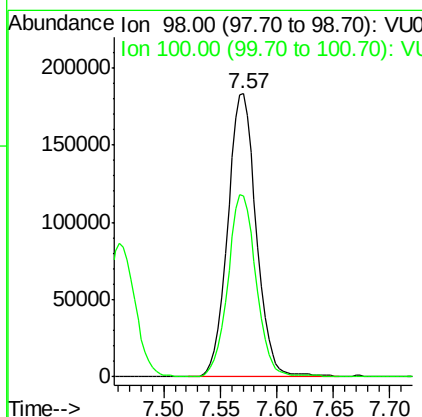
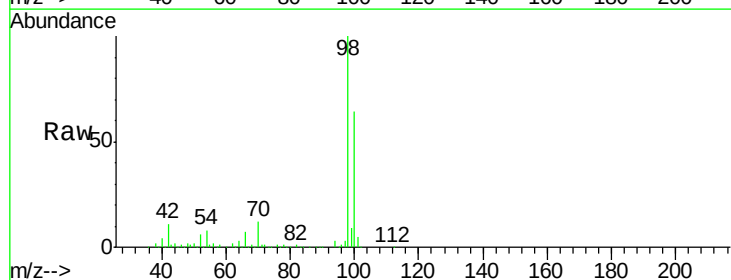
Manual Integrations
APPROVED

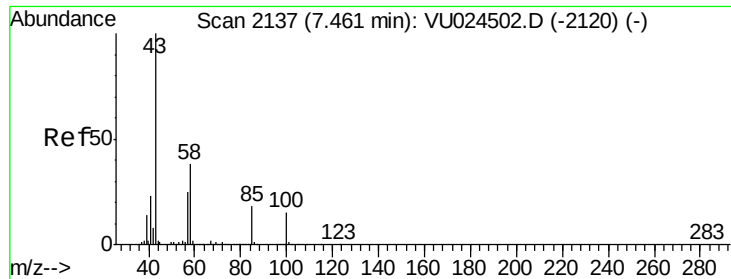
sam
7/6/2018 4:22:02 PM



#50
Toluene-d8
Concen: 42.611 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.1	76.7





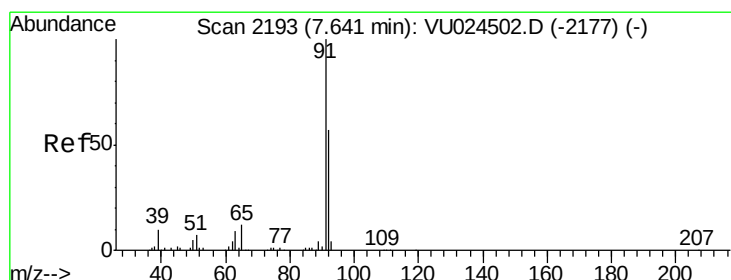
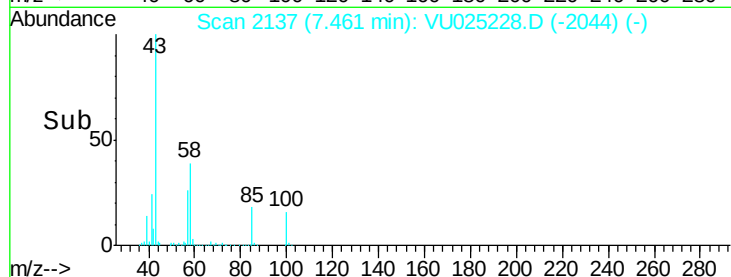
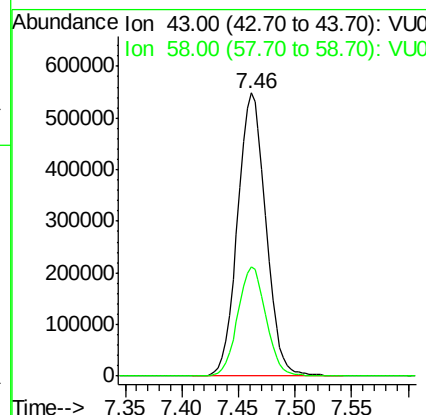
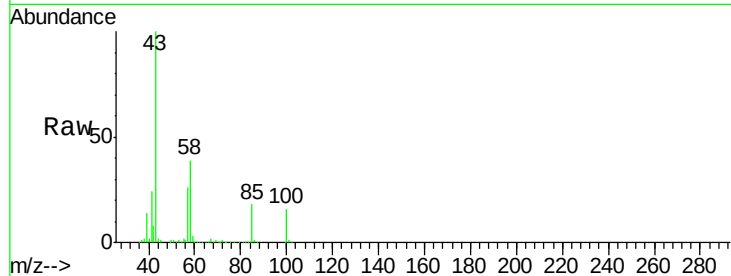
#51
4-Methyl-2-Pentanone
Concen: 275.318 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.0	45.0

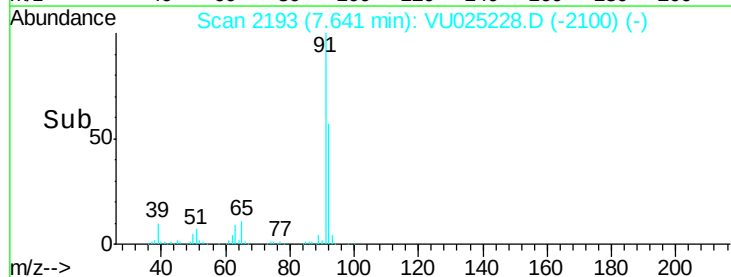
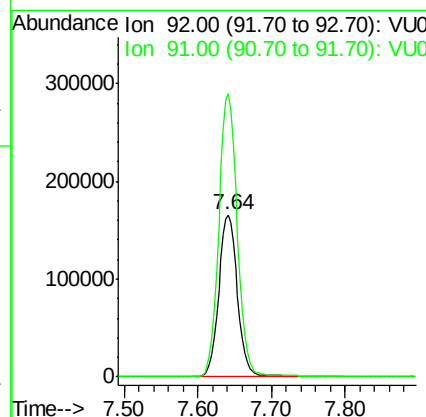
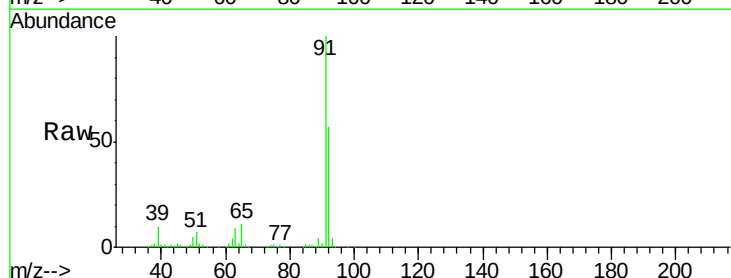
Manual Integrations
APPROVED

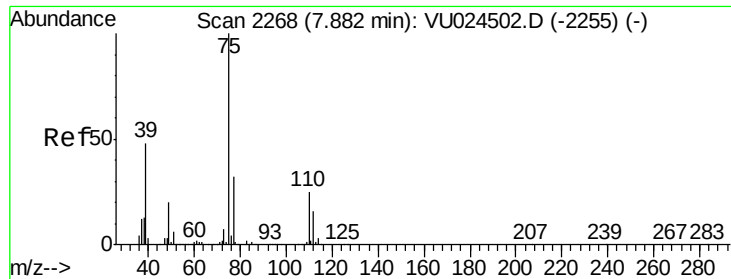
sam
7/6/2018 4:22:02 PM



#52
Toluene
Concen: 54.025 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	140.5	210.7





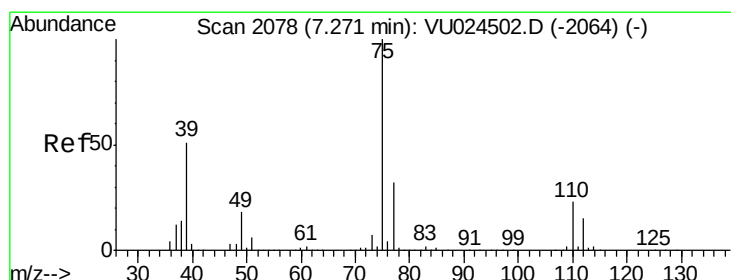
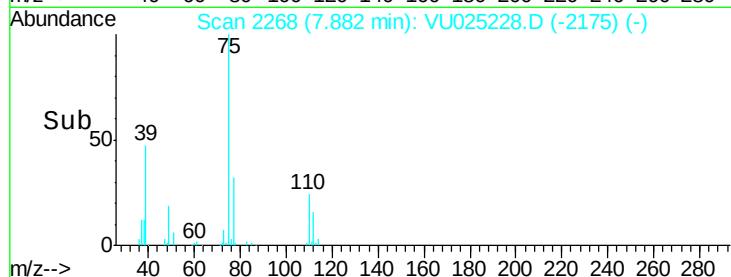
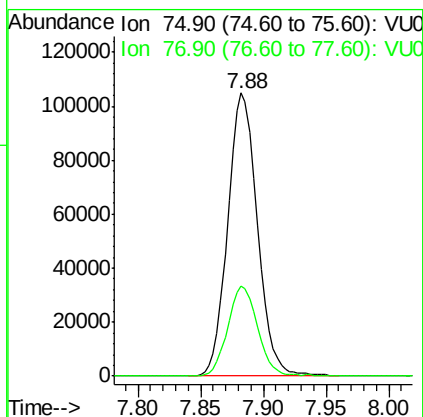
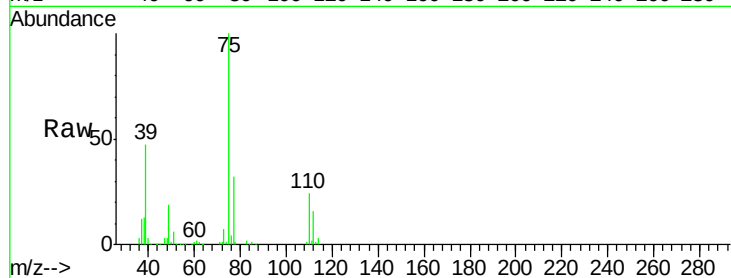
#53
t-1,3-Dichloropropene
Concen: 49.295 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.8	37.2

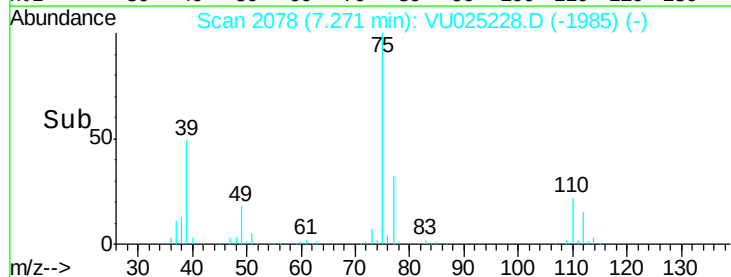
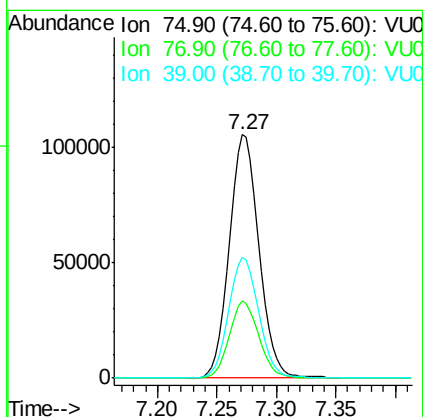
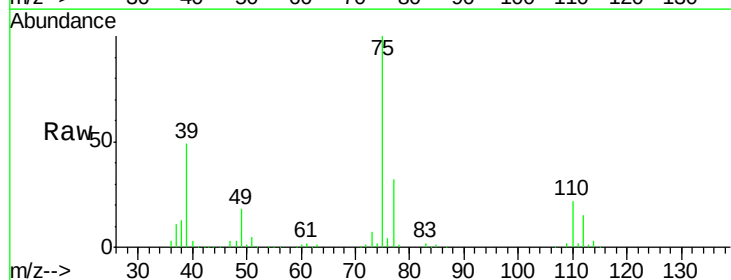
Manual Integrations
APPROVED

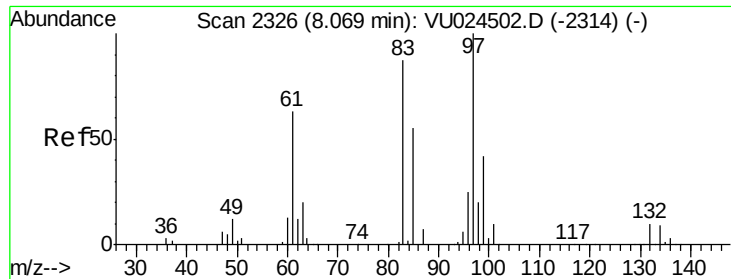
sam
7/6/2018 4:22:02 PM



#54
cis-1,3-Dichloropropene
Concen: 48.870 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	49.4	39.8	59.6





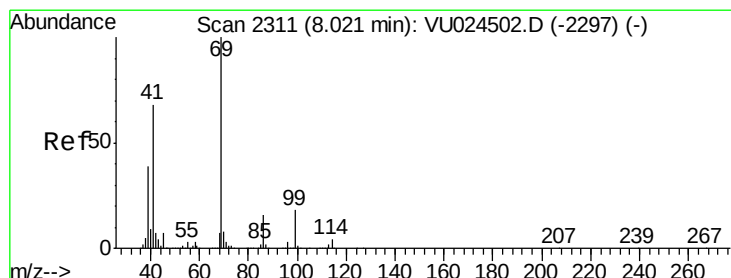
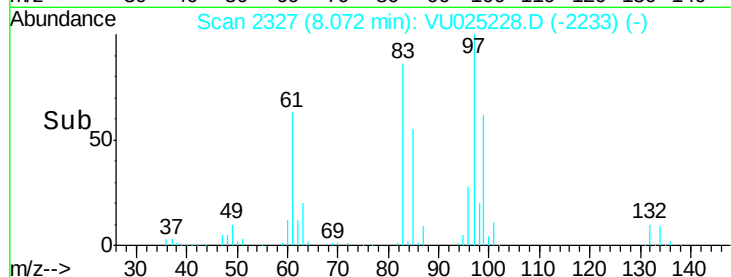
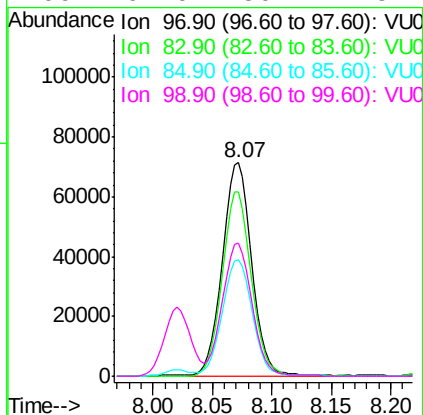
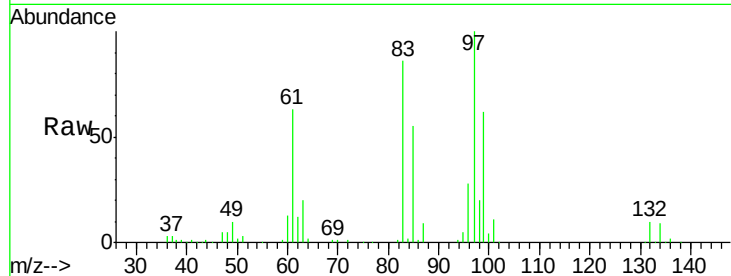
#55
 1,1,2-Trichloroethane
 Concen: 55.572 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		121360		
83	86.5	70.5	105.7		
85	54.7	46.4	69.6		
99	62.0	50.2	75.2		

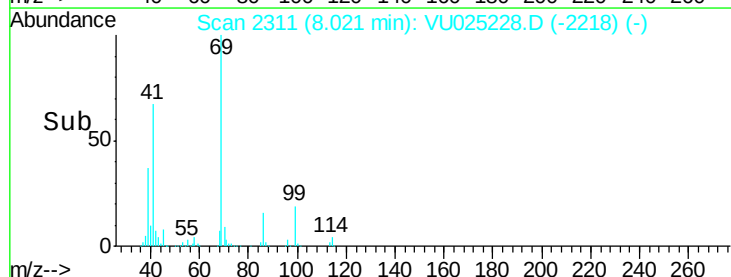
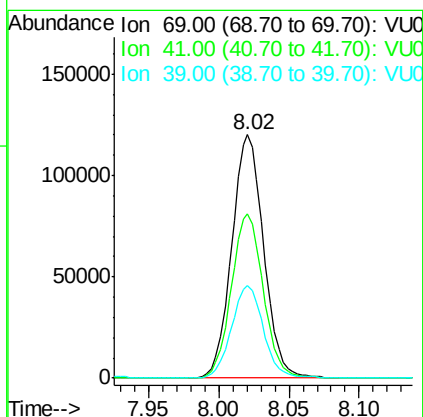
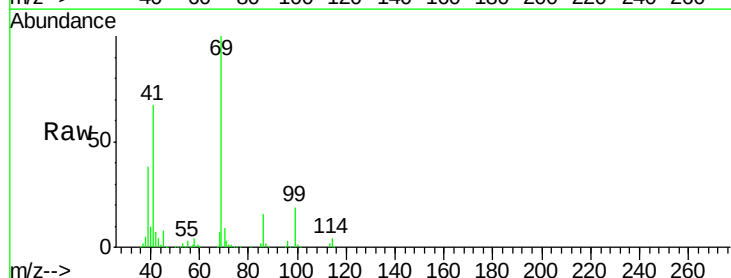
Manual Integrations
 APPROVED

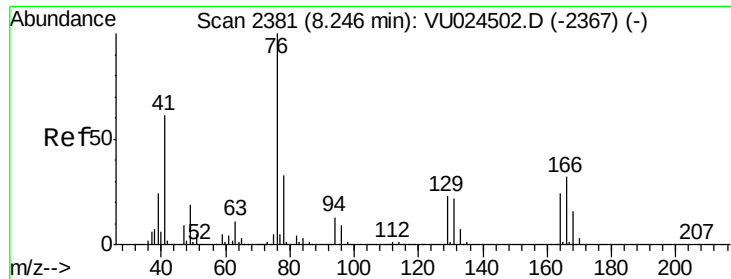
sam
 7/6/2018 4:22:02 PM



#56
 Ethyl methacrylate
 Concen: 52.073 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190337		
41	67.9	54.1	81.1		
39	37.2	30.3	45.5		





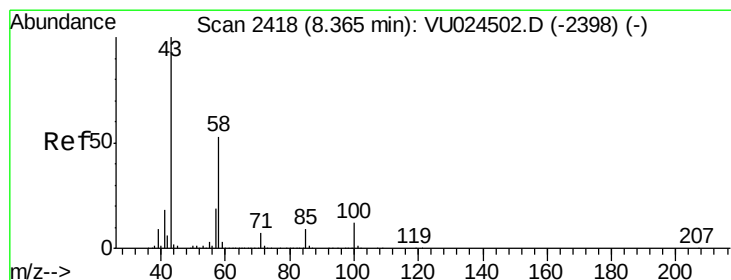
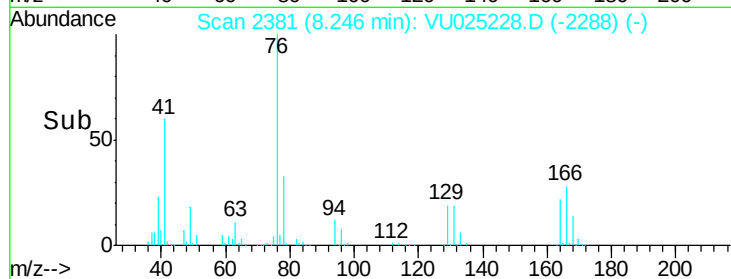
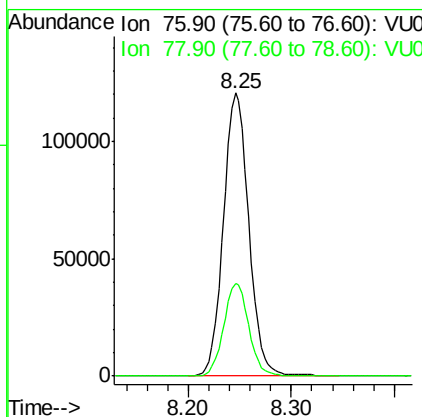
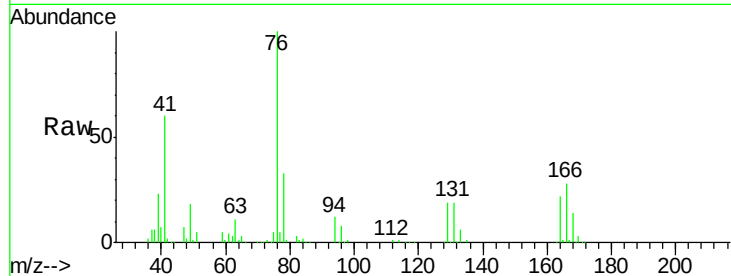
#57
 1,3-Dichloropropane
 Concen: 56.096 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.2	37.8

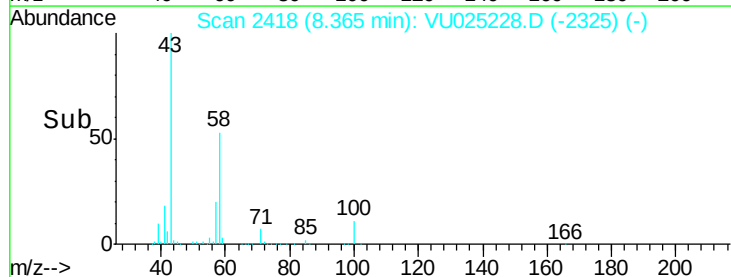
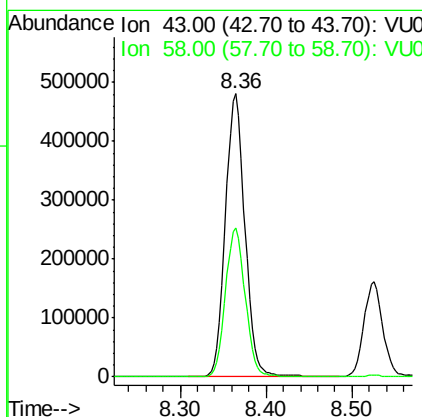
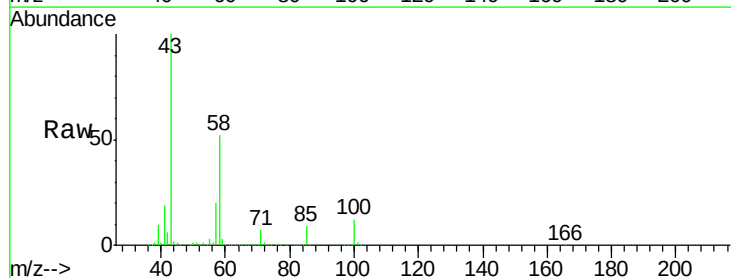
Manual Integrations
 APPROVED

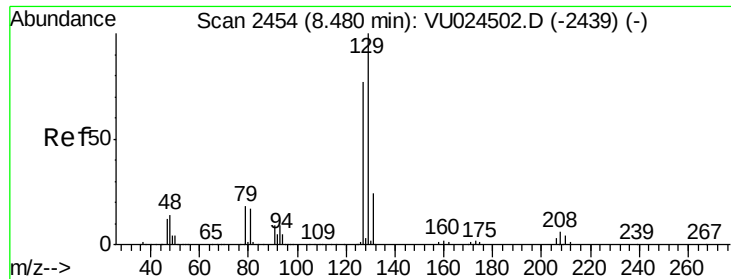
sam
 7/6/2018 4:22:02 PM



#59
 2-Hexanone
 Concen: 268.698 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.4	79.0





#60

Dibromochloromethane

Concen: 51.280 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion:129 Resp: 139649

Ion Ratio Lower Upper

129 100

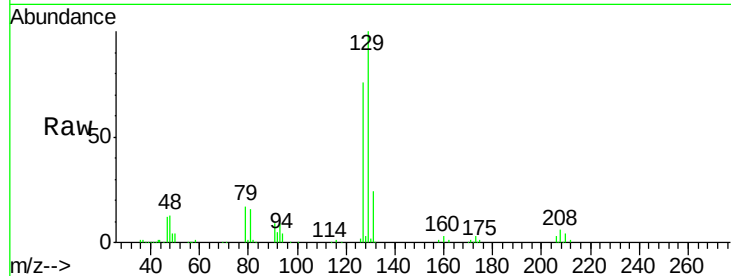
127 75.4 38.6 116.0

Manual Integrations

APPROVED

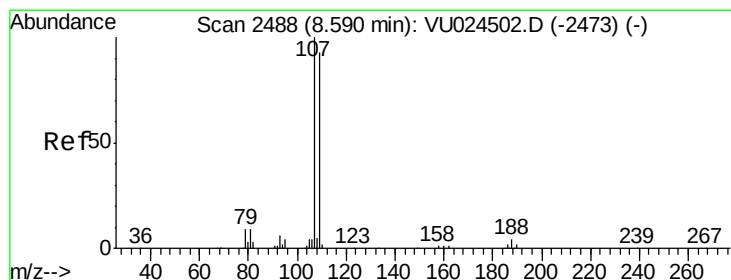
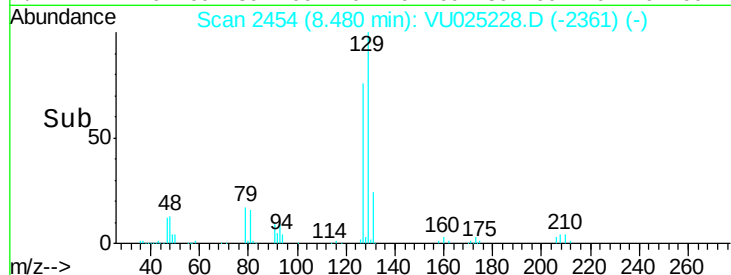
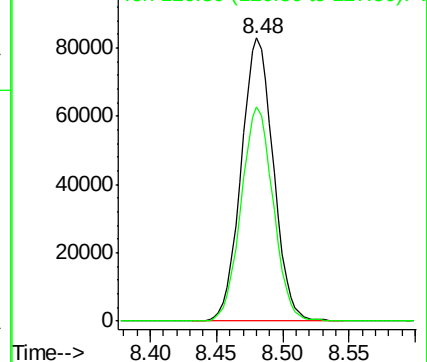
sam

7/6/2018 4:22:02 PM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 54.208 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025228.D

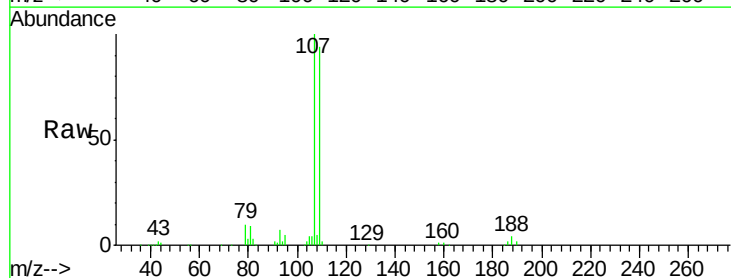
Acq: 05 Jul 2018 20:18

Tgt Ion:107 Resp: 131763

Ion Ratio Lower Upper

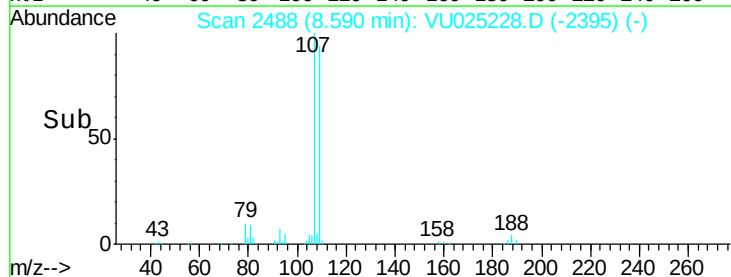
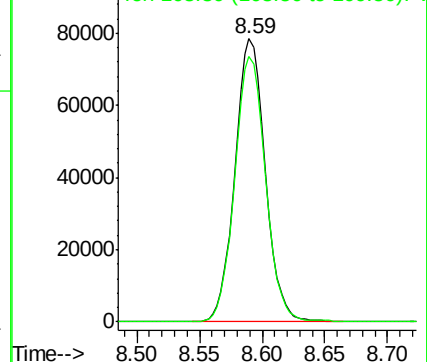
107 100

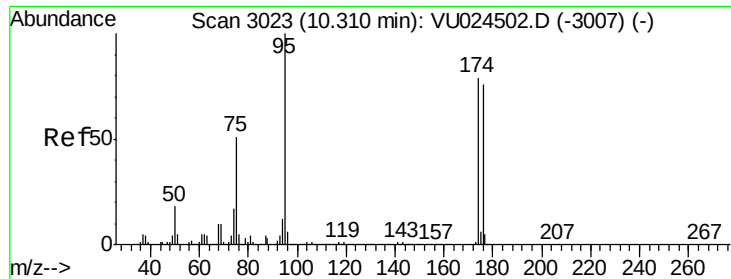
109 95.5 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





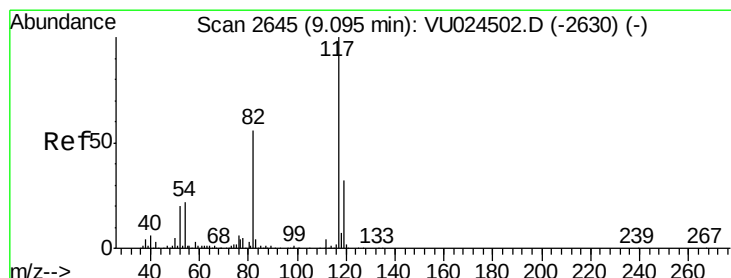
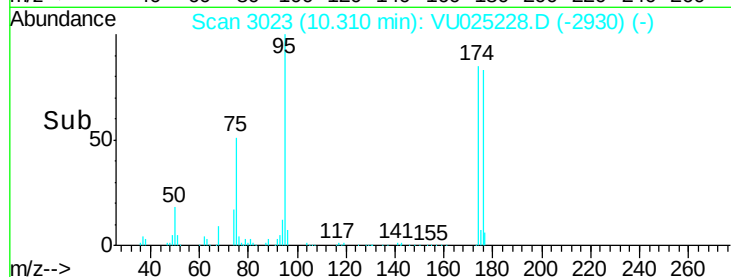
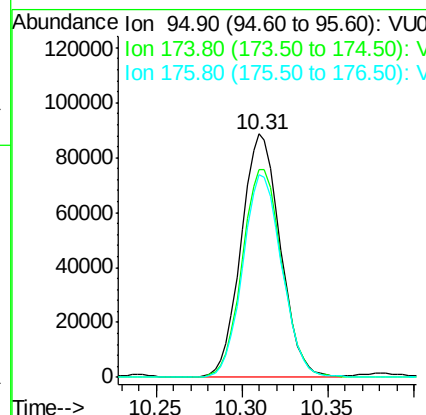
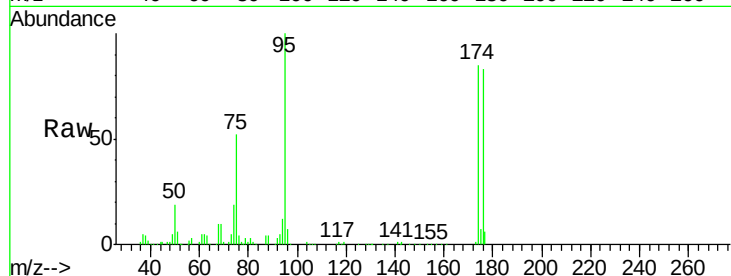
#62
4-Bromofluorobenzene
Concen: 46.508 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	139411		
174	87.1	0.0	165.8	
176	83.4	0.0	159.4	

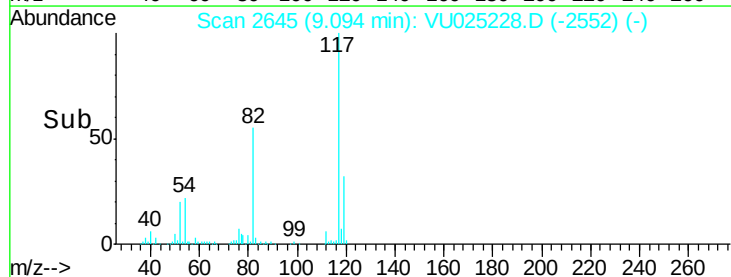
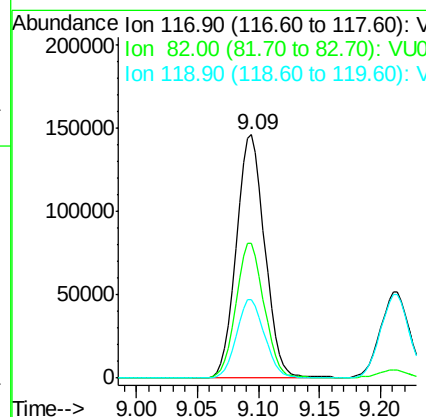
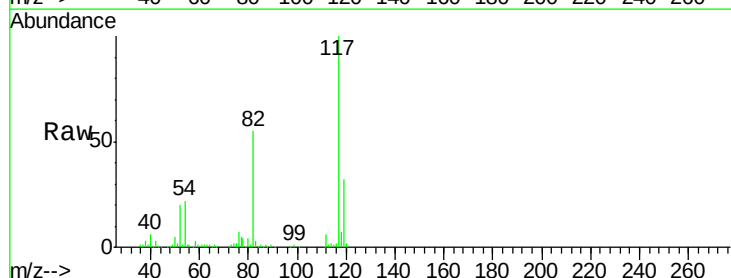
Manual Integrations
APPROVED

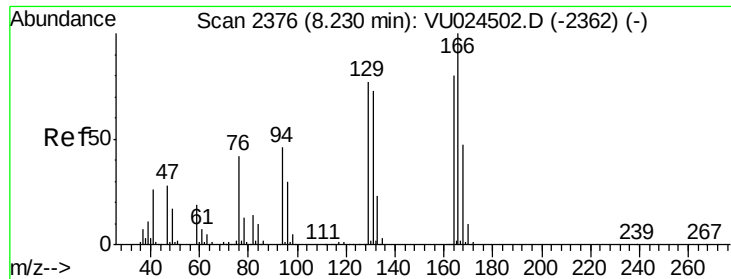
sam
7/6/2018 4:22:02 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	237195		
82	55.4	44.3	66.5	
119	32.3	25.4	38.2	





#64

Tetrachloroethene

Concen: 46.388 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

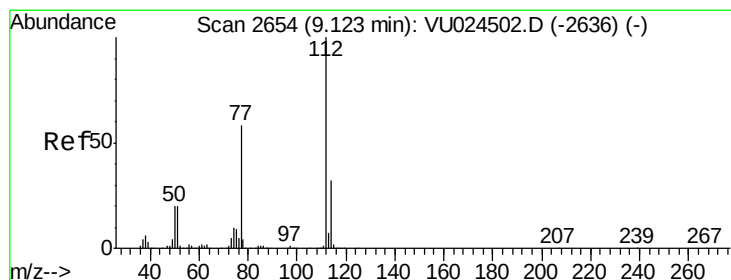
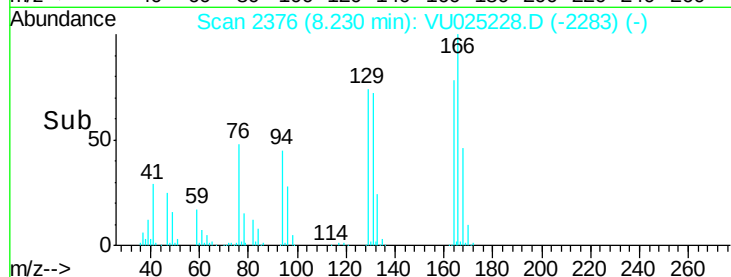
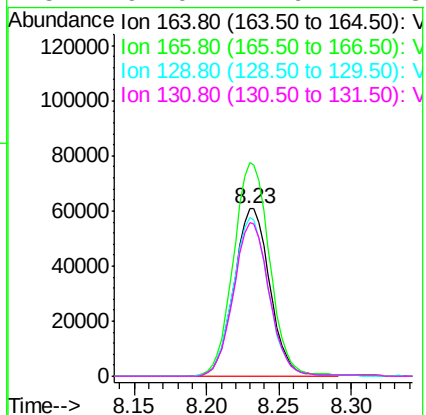
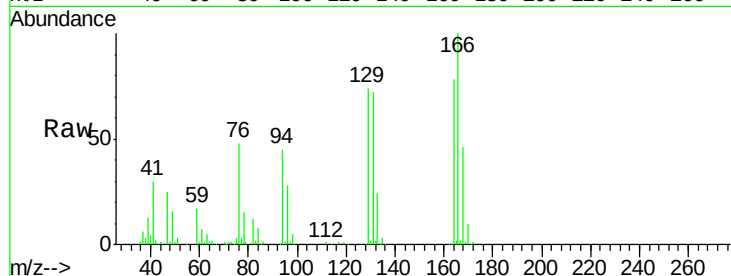
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	164	Resp:	104587
Ion Ratio	Lower	Upper	
164	100		
166	127.4	101.7	152.5
129	94.8	76.9	115.3
131	92.0	74.9	112.3

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#65

Chlorobenzene

Concen: 81.582 ug/l

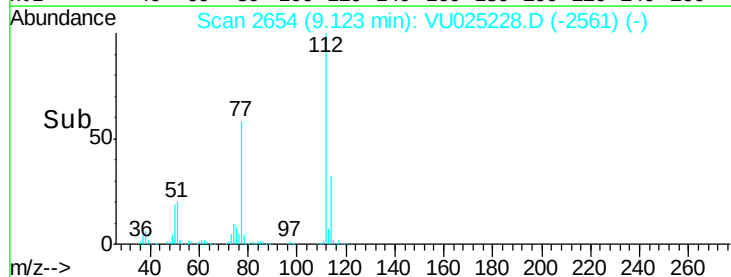
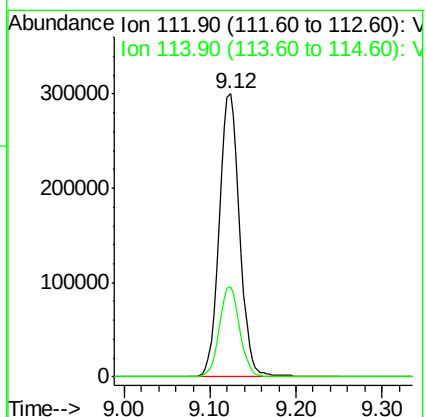
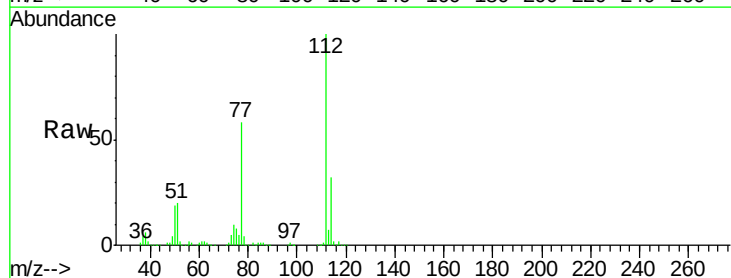
RT: 9.12 min Scan# 2654

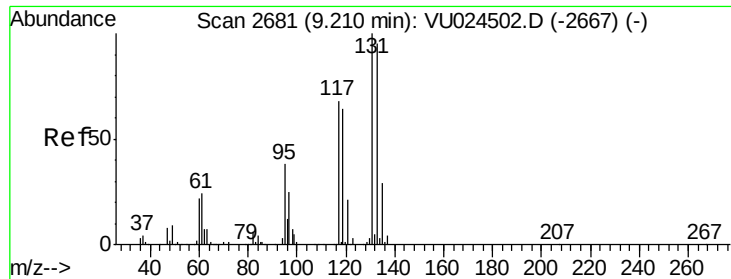
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	112	Resp:	494346
Ion Ratio	Lower	Upper	
112	100		
114	31.7	25.6	38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 54.600 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

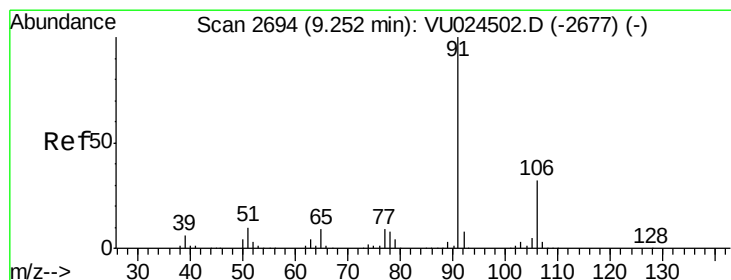
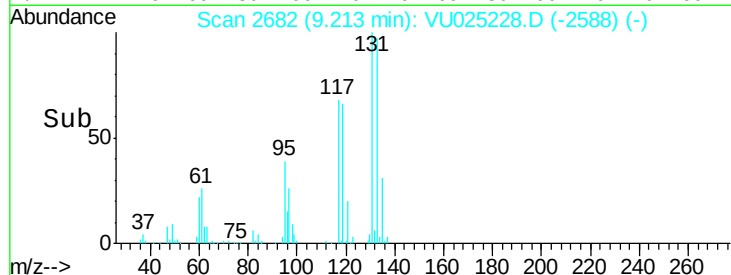
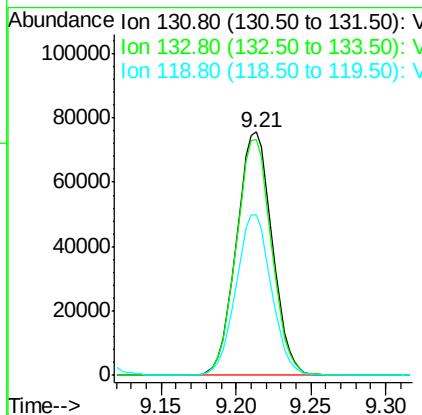
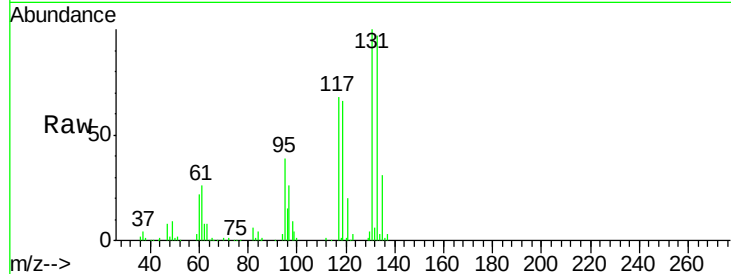
ClientSampleId :

WP021MW470-180628MS

Tot Ion:	131	Resp:	125696
Ion Ratio	Lower	Upper	
131	100		
133	95.9	46.9	140.8
119	65.5	33.5	100.4

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#67

Ethyl Benzene

Concen: 53.514 ug/l

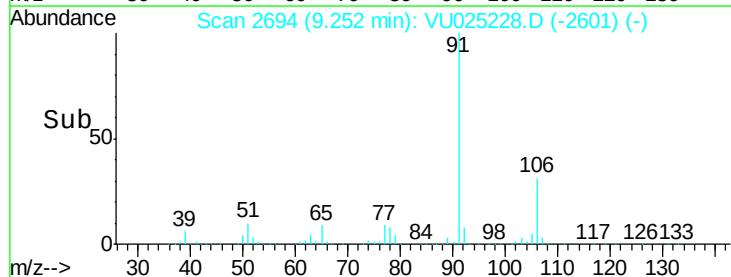
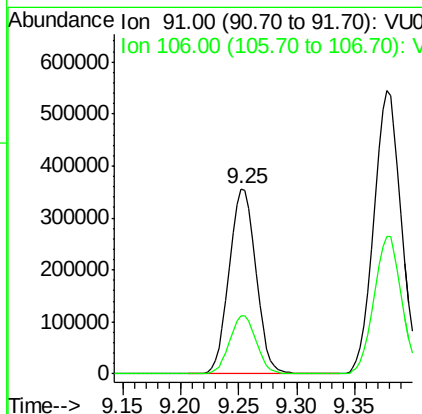
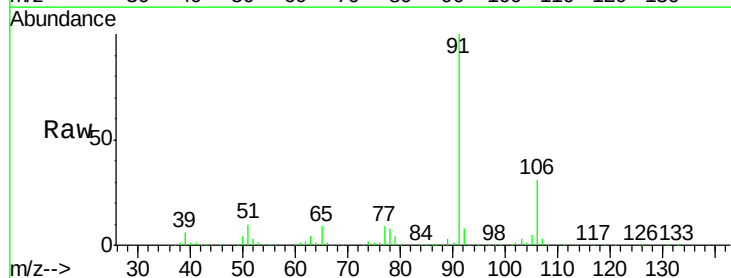
RT: 9.25 min Scan# 2694

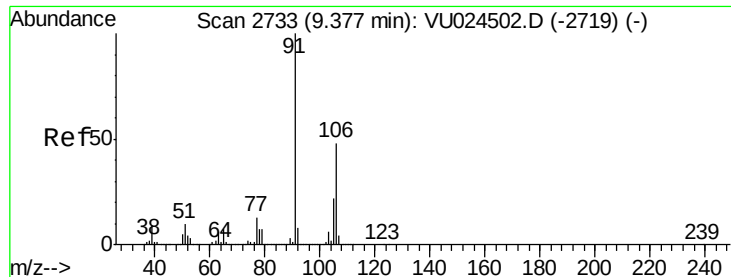
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	91	Resp:	568459
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.2	36.4





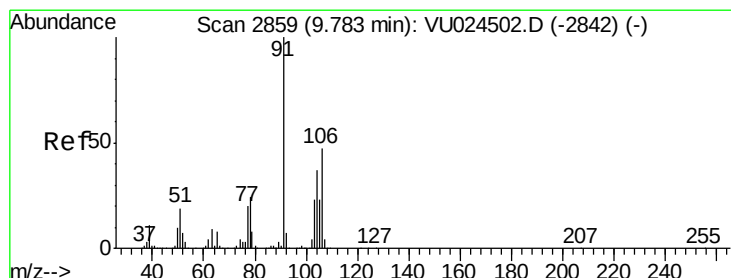
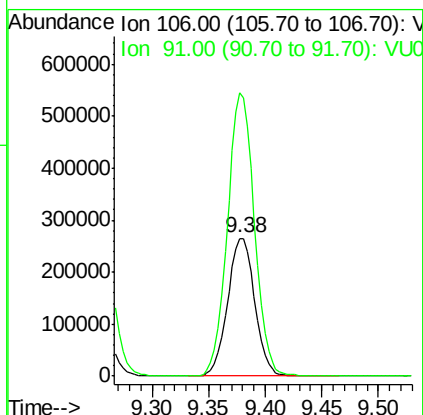
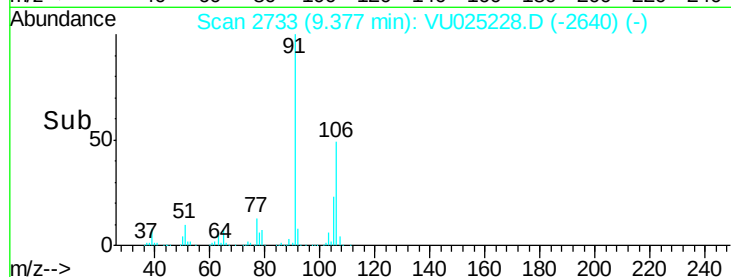
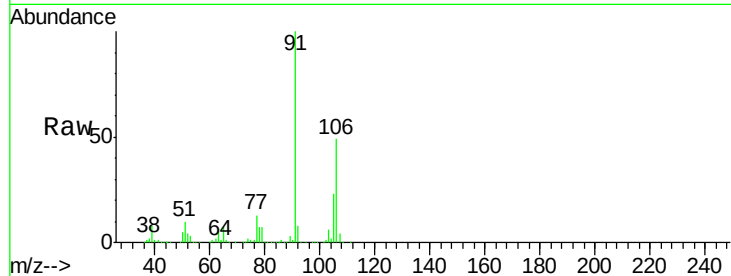
#68
m/p-Xylenes
Concen: 108.299 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion:106 Resp: 441765
Ion Ratio Lower Upper
106 100
91 204.1 166.5 249.7

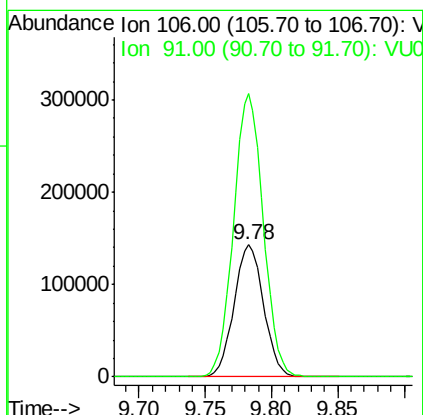
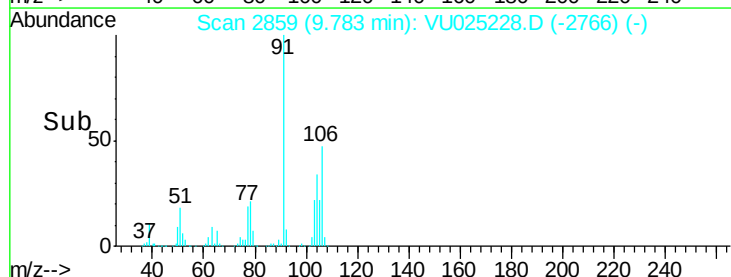
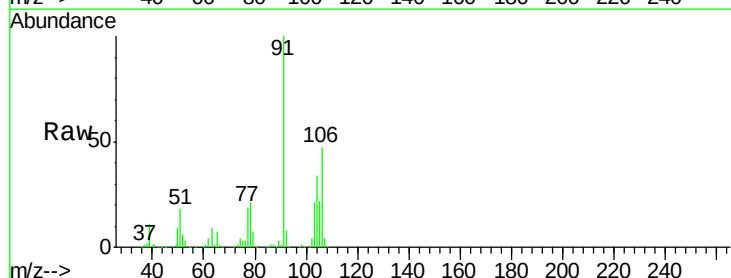
Manual Integrations
APPROVED

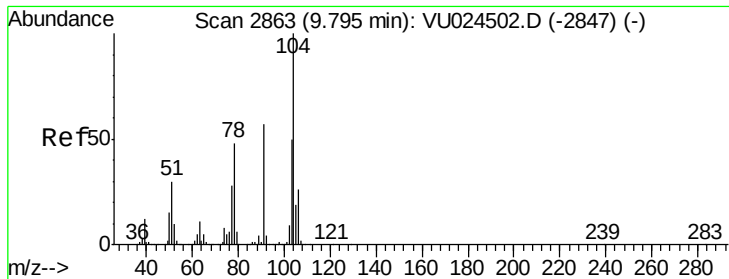
sam
7/6/2018 4:22:02 PM



#69
o-Xylene
Concen: 54.880 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion:106 Resp: 221549
Ion Ratio Lower Upper
106 100
91 215.2 110.7 331.9





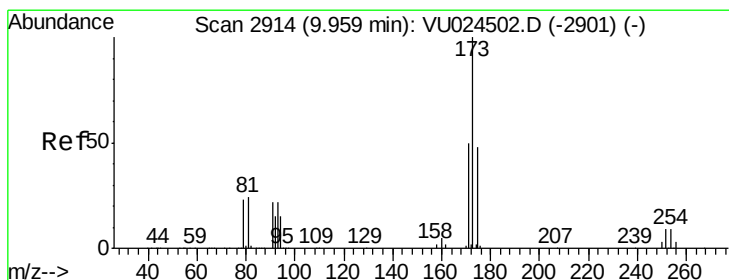
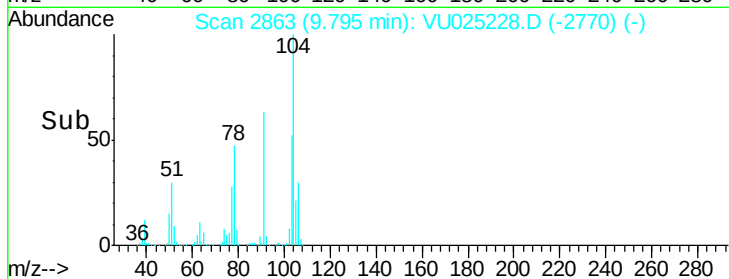
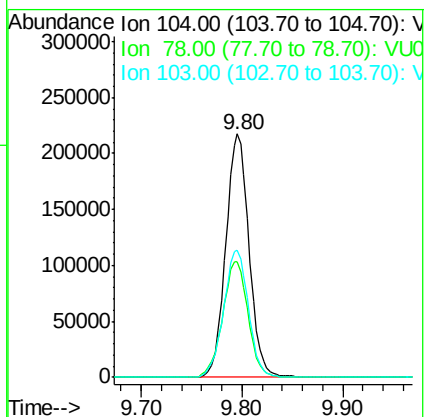
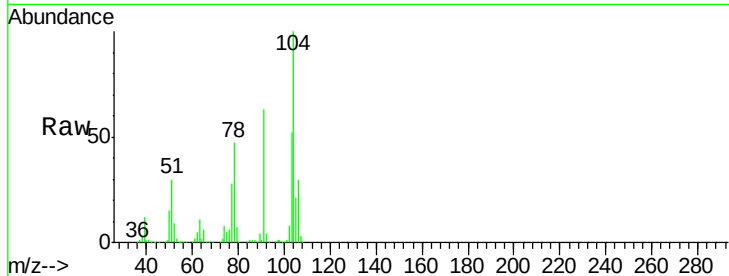
#70
Stvrene
Concen: 52.919 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	40.6	60.8
103	55.7	44.7	67.1

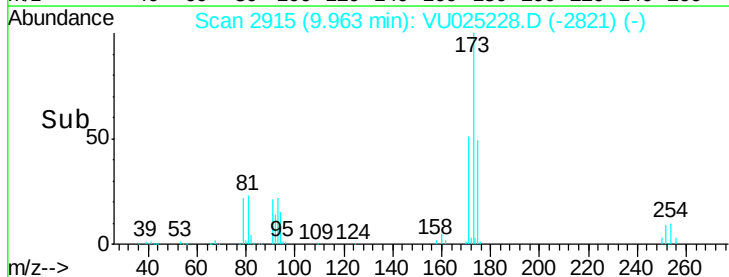
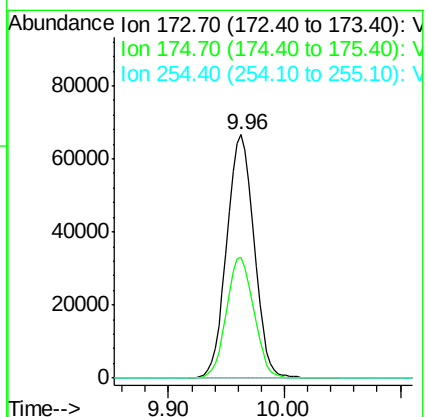
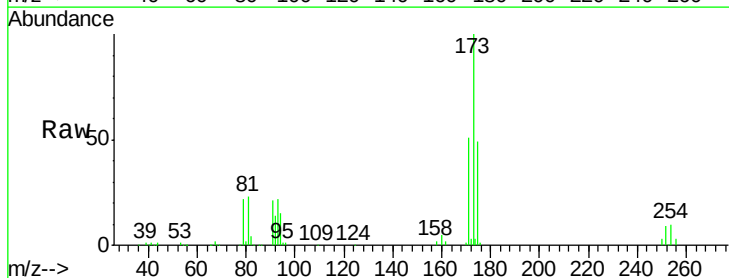
Manual Integrations
APPROVED

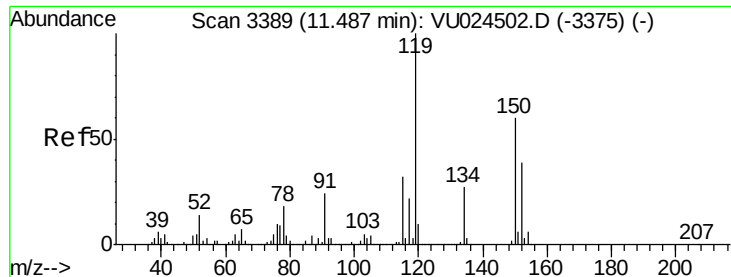
sam
7/6/2018 4:22:02 PM



#71
Bromoform
Concen: 49.502 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	74.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

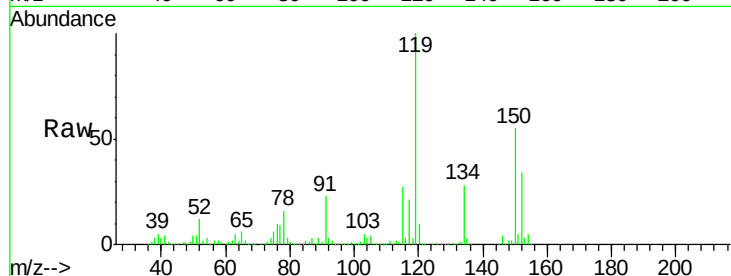
ClientSampleId :

WP021MW470-180628MS

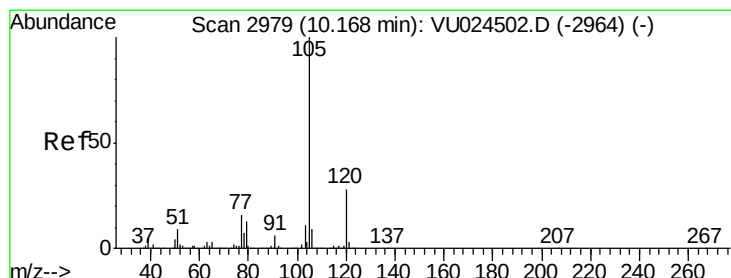
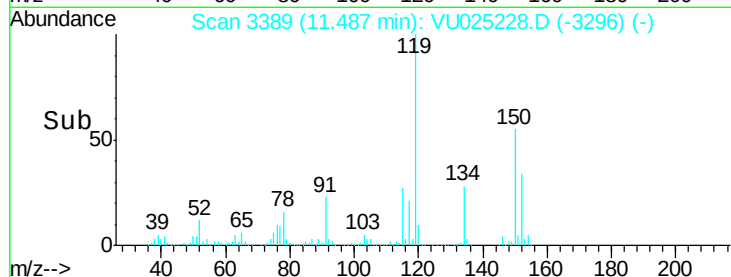
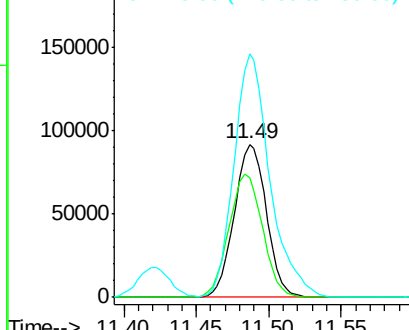
Tot Ion:	152	Resp:	141367
Ion Ratio	Lower	Upper	
152	100		
115	84.6	43.0	129.0
150	178.3	0.0	354.0

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.777 ug/l

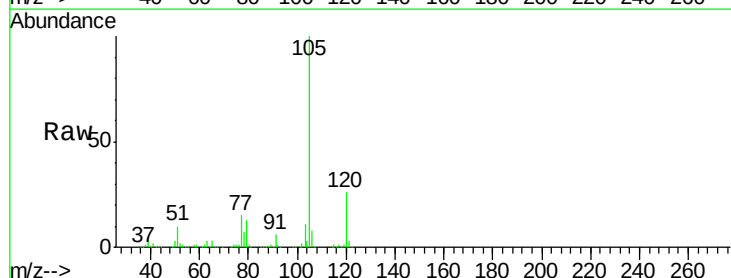
RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

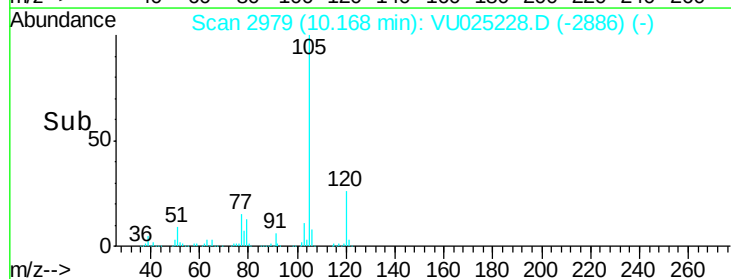
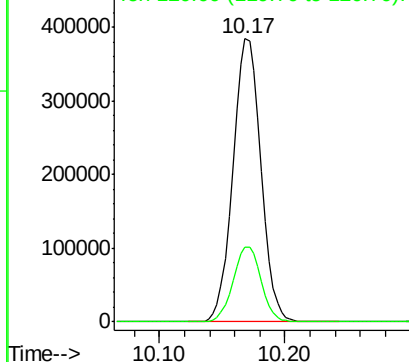
Lab File: VU025228.D

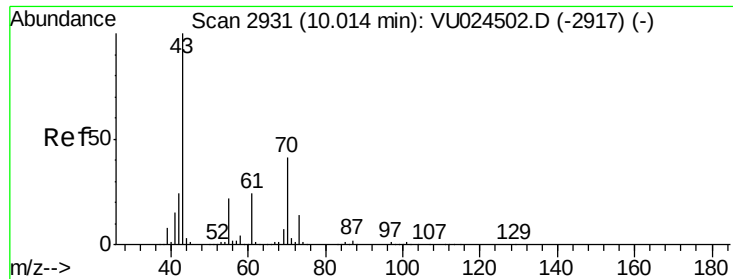
Acq: 05 Jul 2018 20:18

Tgt Ion:	105	Resp:	594531
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.2	39.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.111 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

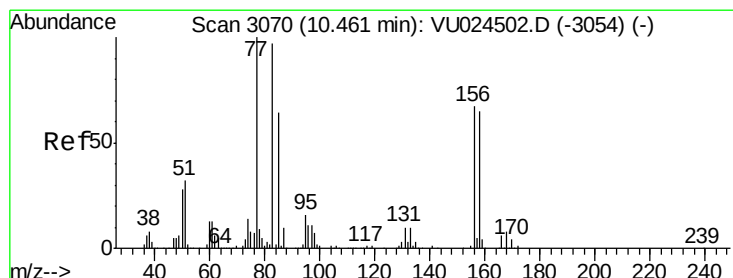
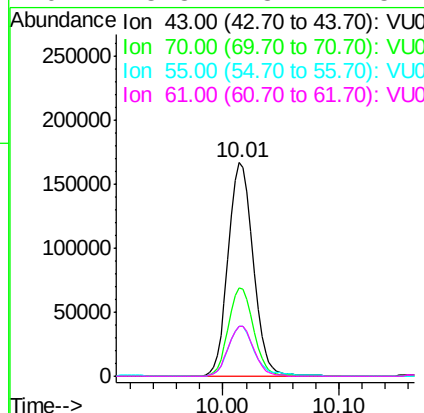
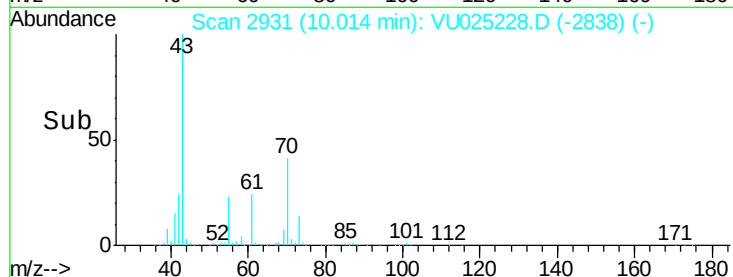
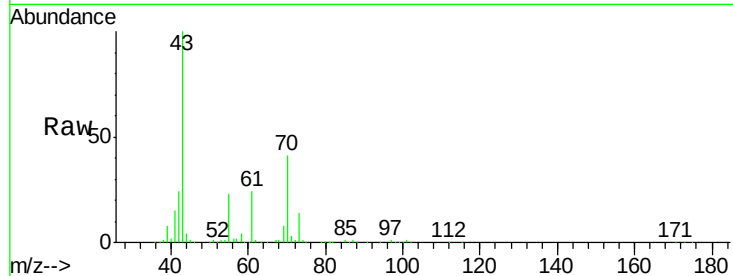
ClientSampleId :

WP021MW470-180628MS

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	41.8	32.2	48.4	
55	25.1	20.5	30.7	
61	23.8	18.7	28.1	

Manual Integrations
APPROVED

sam
7/6/2018 4:22:02 PM



#75

1,1,2,2-Tetrachloroethane

Concen: 55.919 ug/l

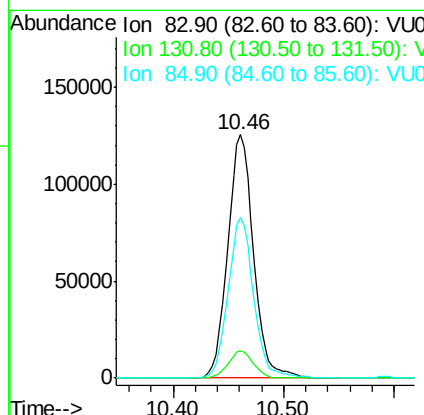
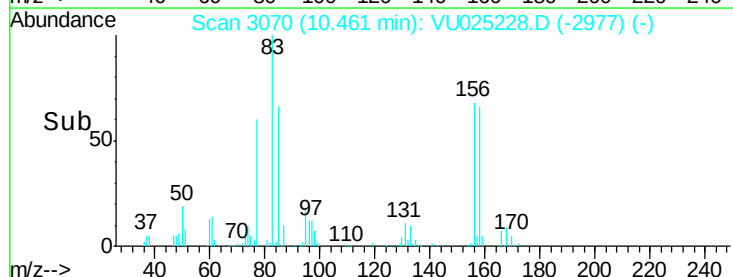
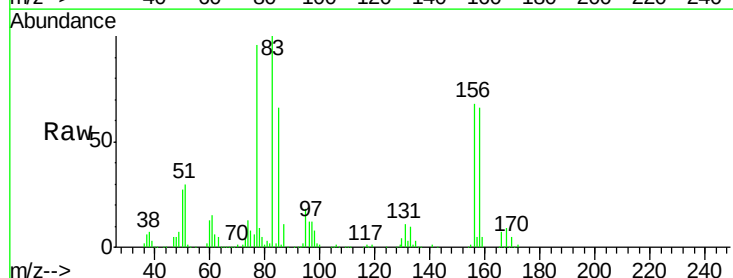
RT: 10.46 min Scan# 3070

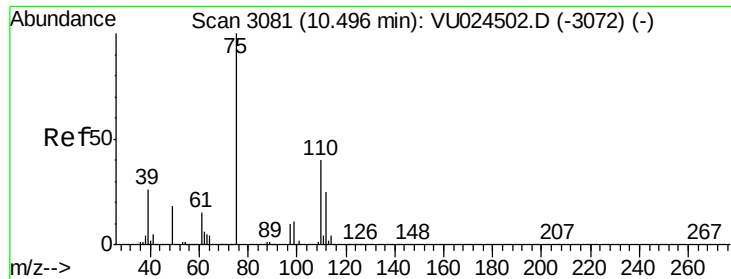
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.9	4.7	14.1	
85	65.6	32.5	97.5	





#76

1,2,3-Trichloropropane

Concen: 58.486 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 75 Resp: 182032

Ion Ratio Lower Upper

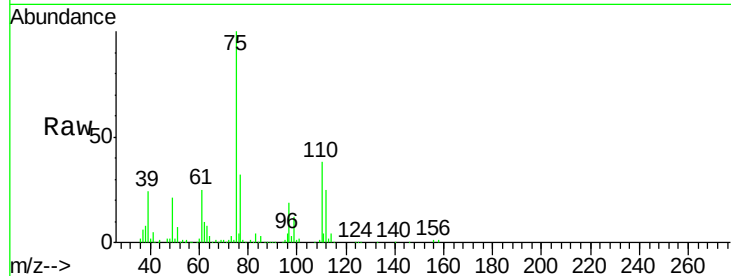
75 100

77 38.4 20.9 62.7

Manual Integrations
APPROVED

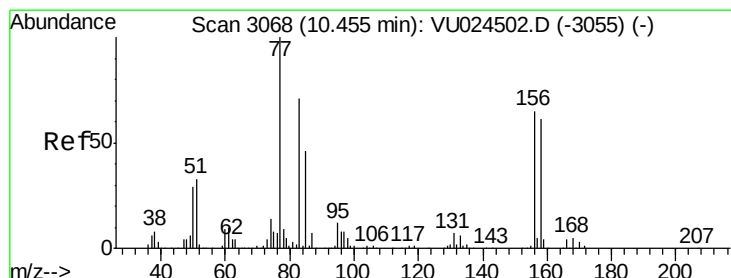
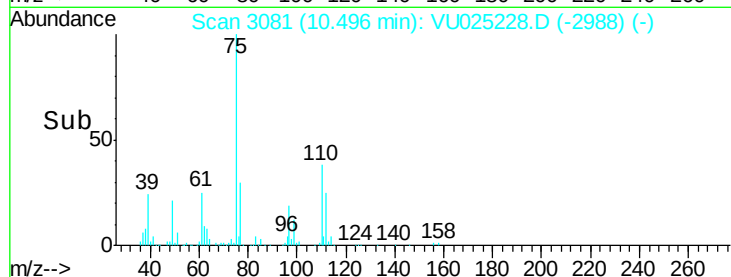
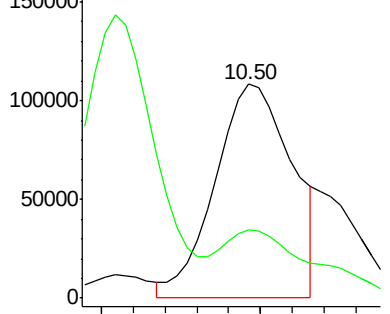
sam

7/6/2018 4:22:02 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#77

Bromobenzene

Concen: 55.925 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

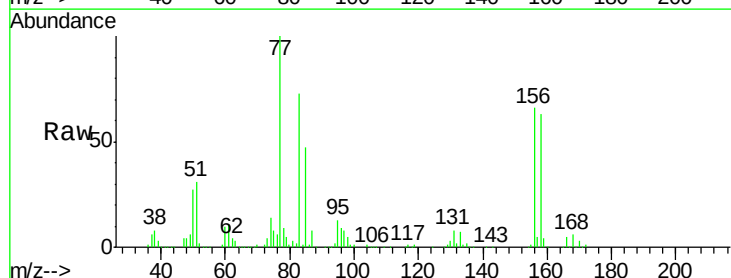
Tgt Ion: 156 Resp: 153667

Ion Ratio Lower Upper

156 100

77 148.8 80.5 241.3

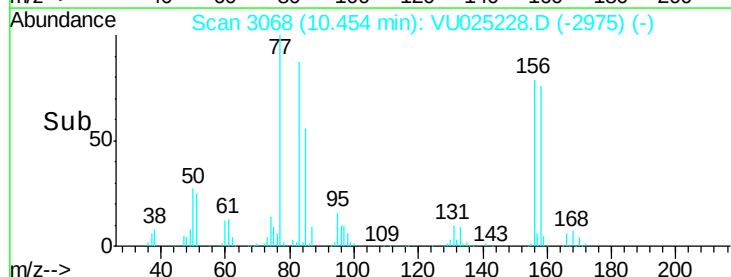
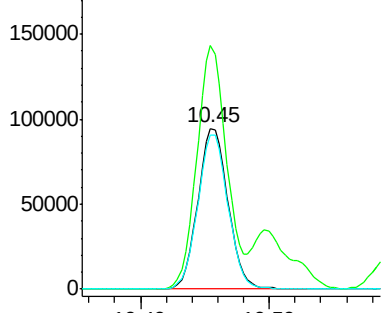
158 96.5 48.2 144.6

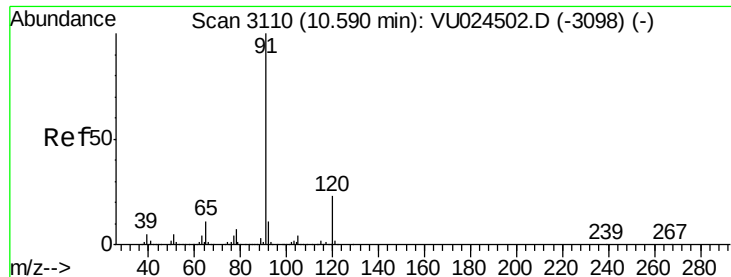


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.601 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 91 Resp: 659738

Ion Ratio Lower Upper

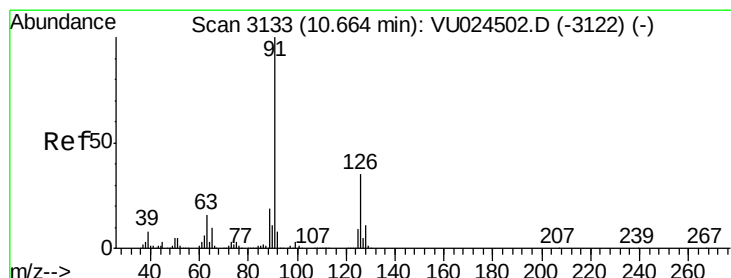
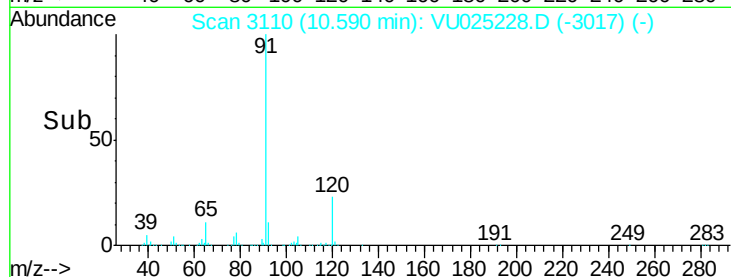
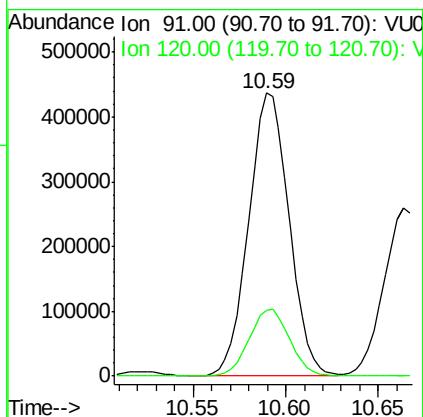
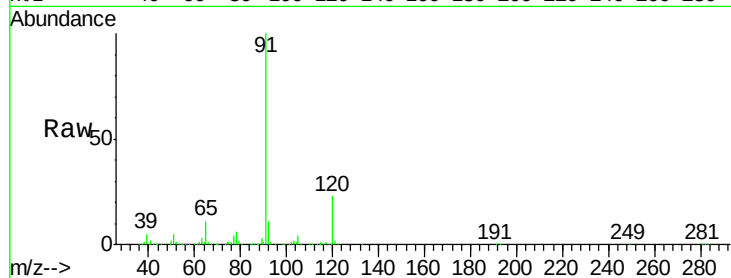
91 100

120 23.7 11.2 33.5

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#79

2-Chlorotoluene

Concen: 53.361 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025228.D

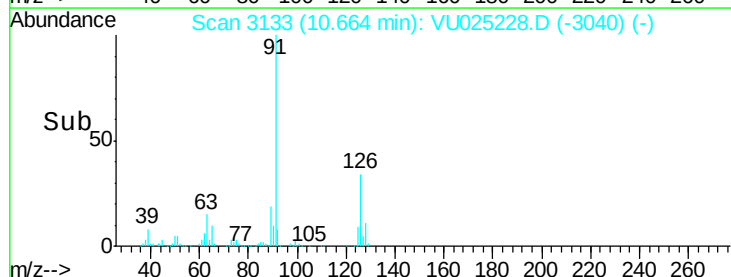
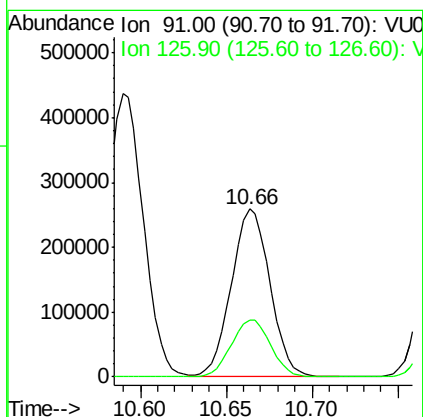
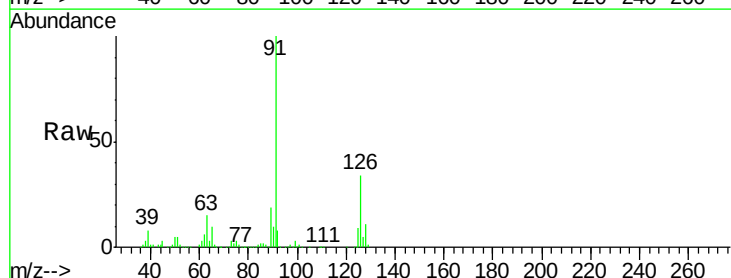
Acq: 05 Jul 2018 20:18

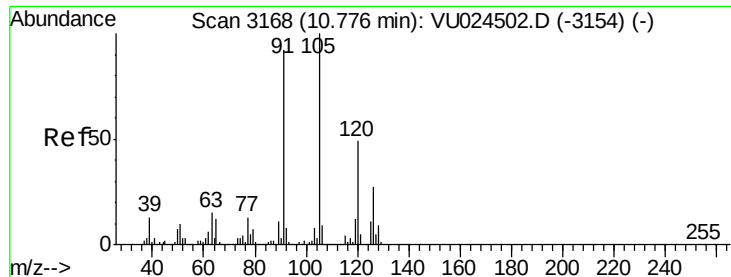
Tgt Ion: 91 Resp: 402327

Ion Ratio Lower Upper

91 100

126 35.2 16.9 50.7





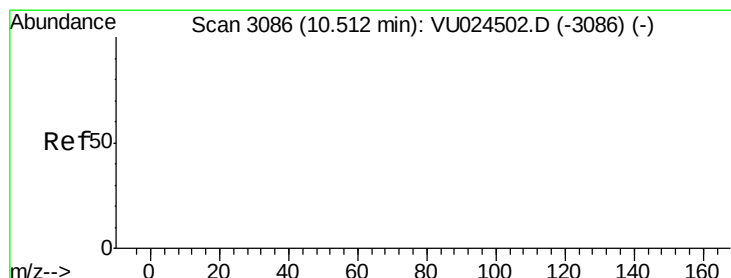
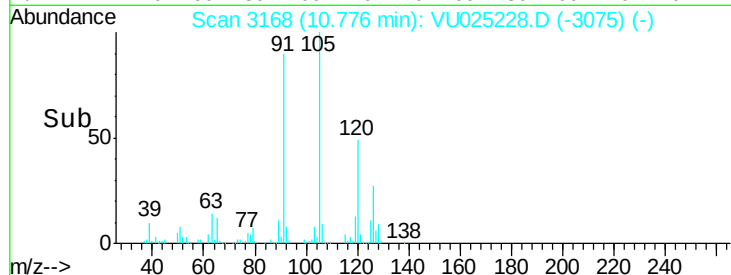
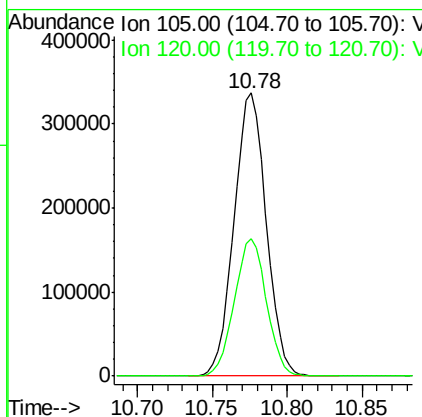
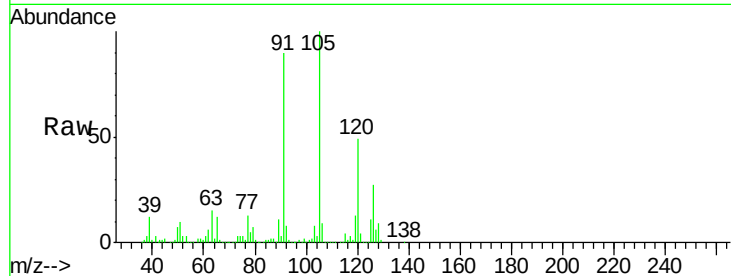
#80
 1,3,5-Trimethylbenzene
 Concen: 53.666 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.1	72.2

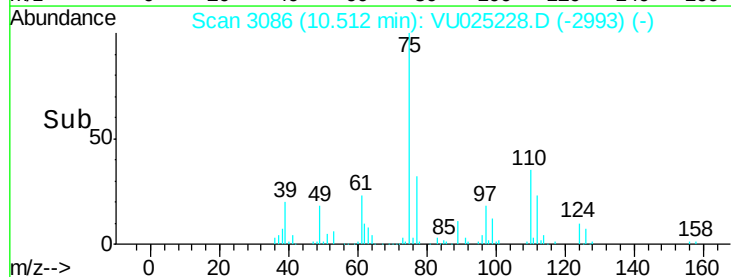
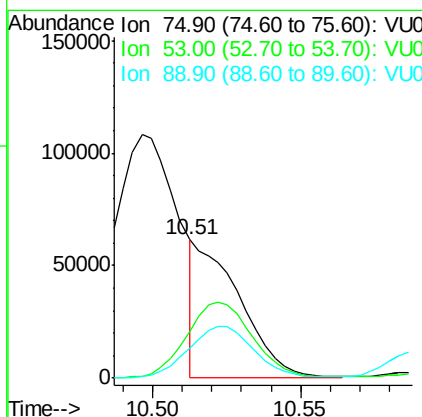
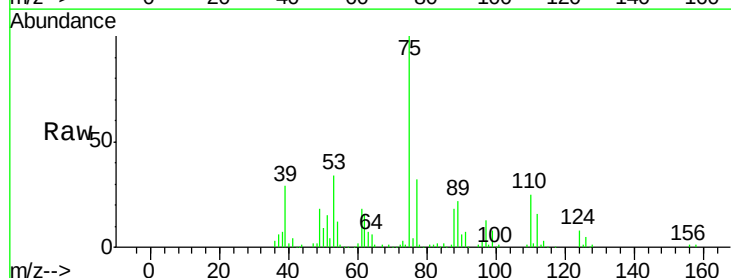
Manual Integrations
 APPROVED

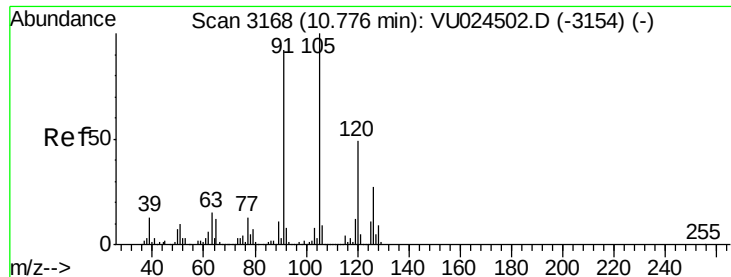
sam
 7/6/2018 4:22:02 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.098 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

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





#82

4-Chlorotoluene

Concen: 52.119 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MS

Tot Ion: 91 Resp: 457376

Ion Ratio Lower Upper

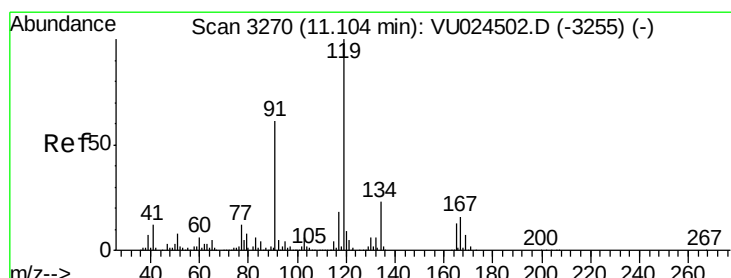
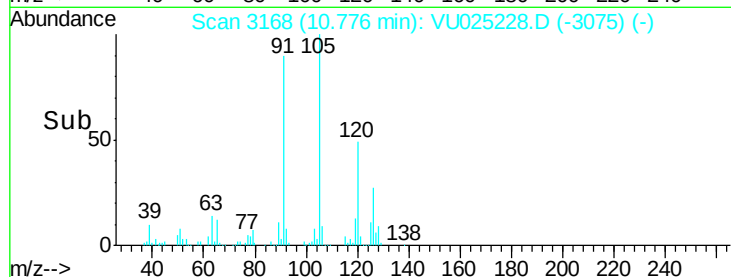
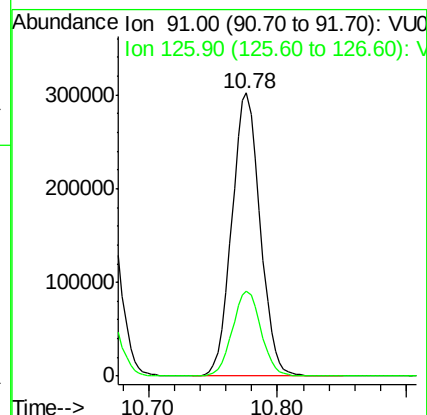
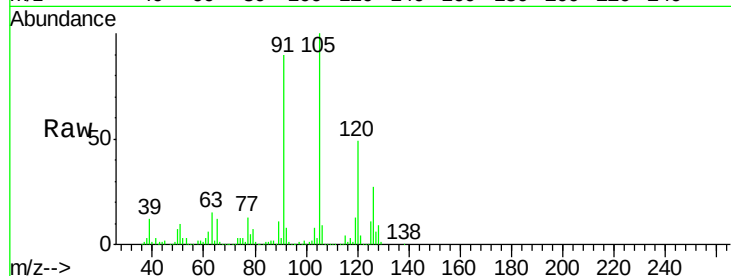
91 100

126 30.6 14.9 44.9

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#83

tert-Butylbenzene

Concen: 58.381 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

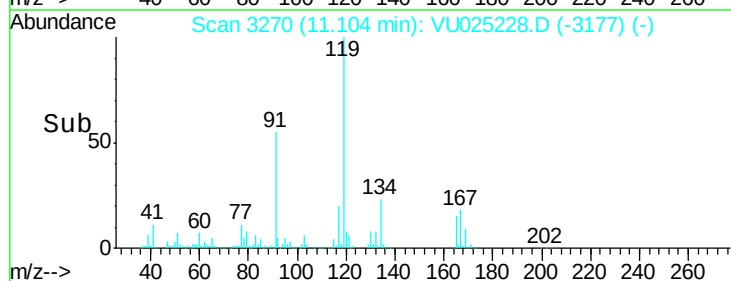
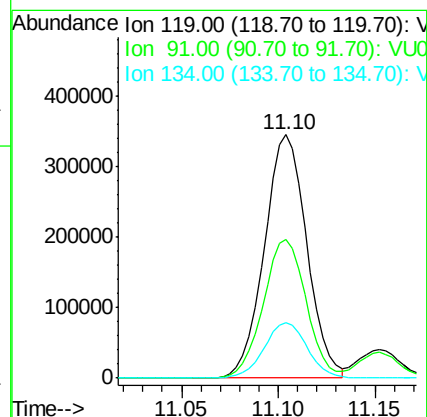
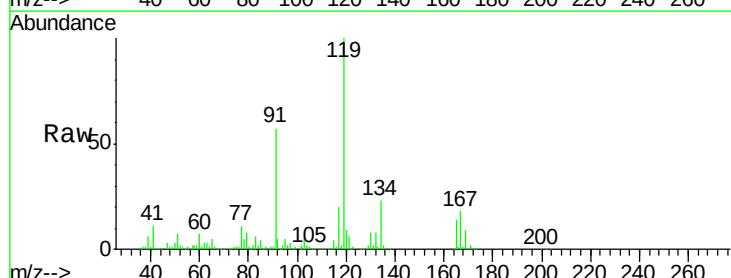
Tgt Ion: 119 Resp: 528299

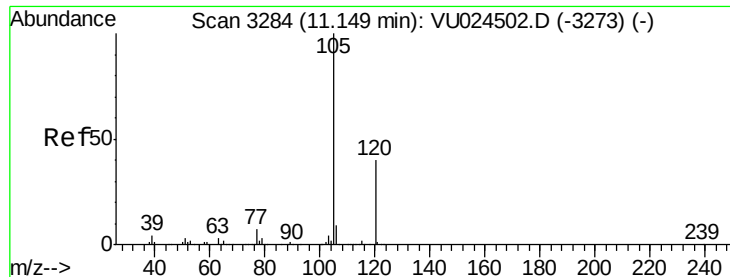
Ion Ratio Lower Upper

119 100

91 57.8 29.7 89.1

134 22.9 11.6 34.7





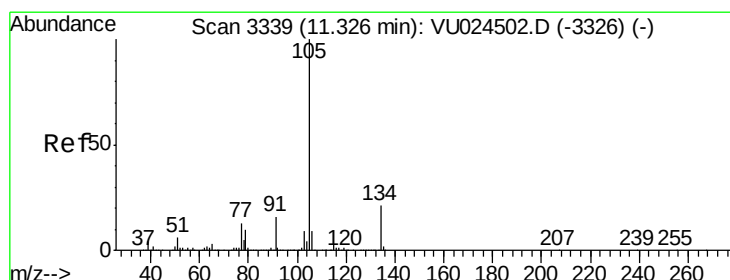
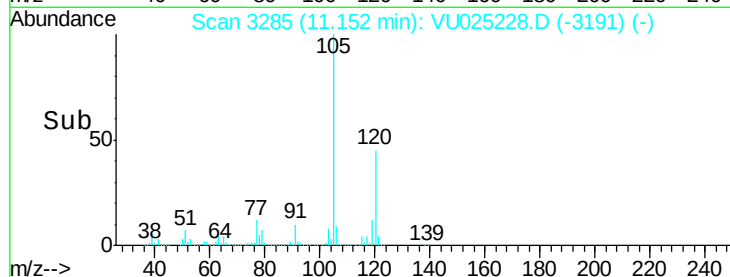
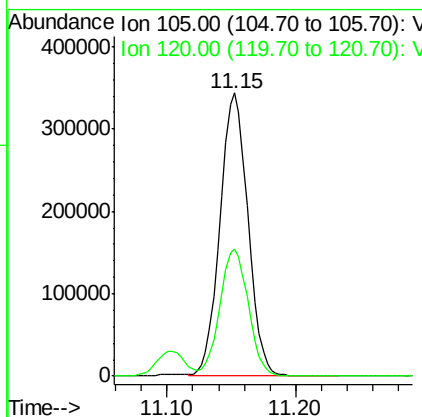
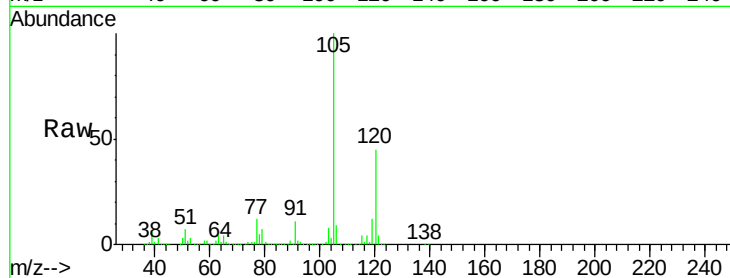
#84
 1,2,4-Trimethylbenzene
 Concen: 53.773 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.6	67.8

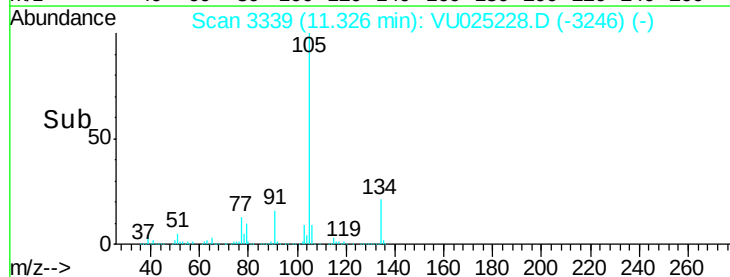
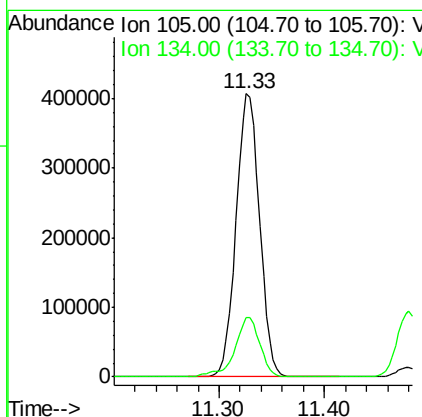
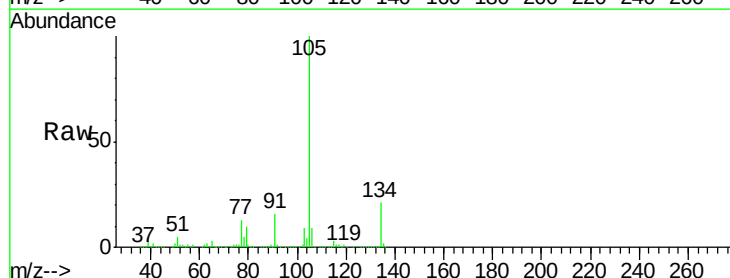
Manual Integrations
 APPROVED

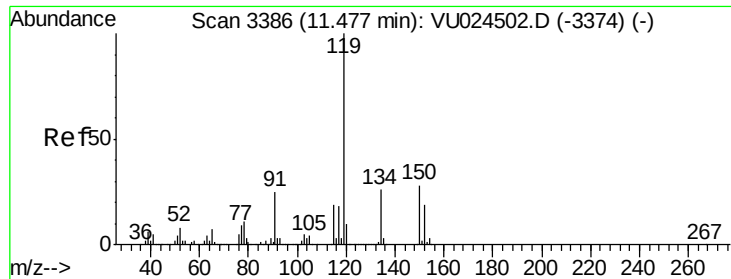
Sam
 7/6/2018 4:22:02 PM



#85
 sec-Butylbenzene
 Concen: 55.270 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	22.5	9.7	29.1





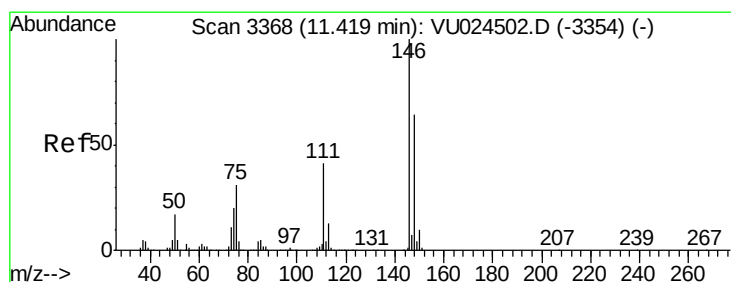
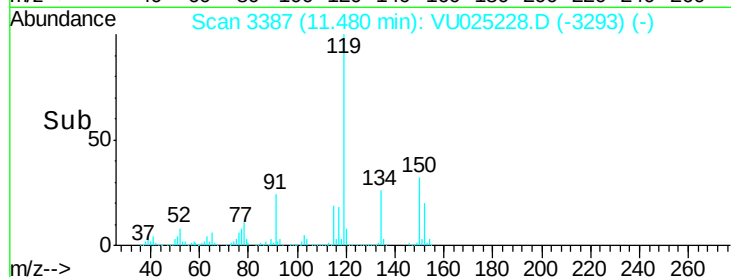
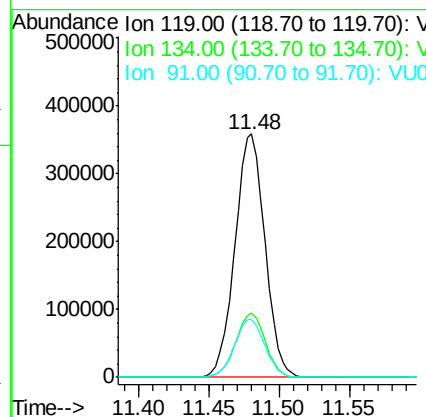
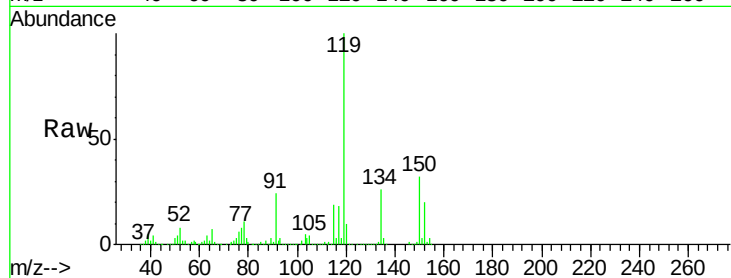
#86
 p-Isopropyltoluene
 Concen: 52.677 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	534393		
134	26.3		12.9	38.6
91	24.0		12.0	36.1

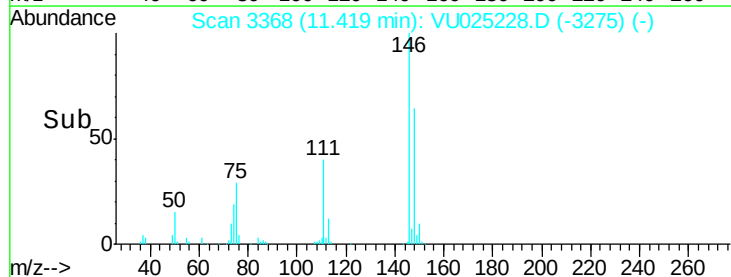
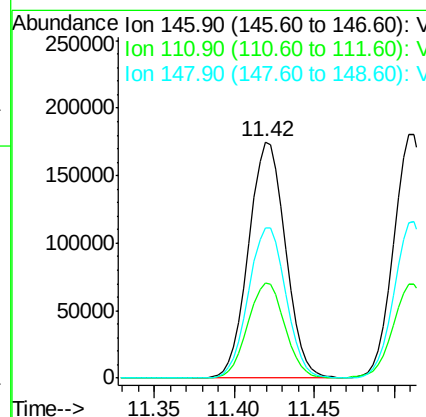
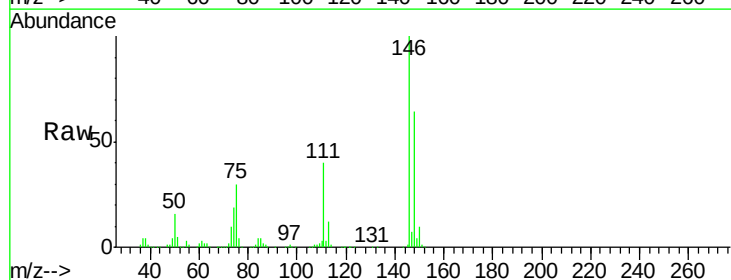
Manual Integrations
 APPROVED

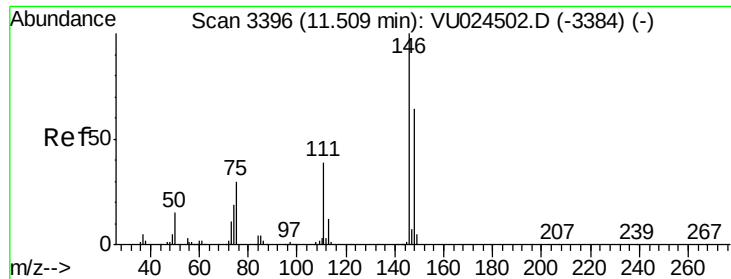
sam
 7/6/2018 4:22:02 PM



#87
 1,3-Dichlorobenzene
 Concen: 54.309 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	275696		
111	40.4		20.0	60.0
148	64.7		32.1	96.5





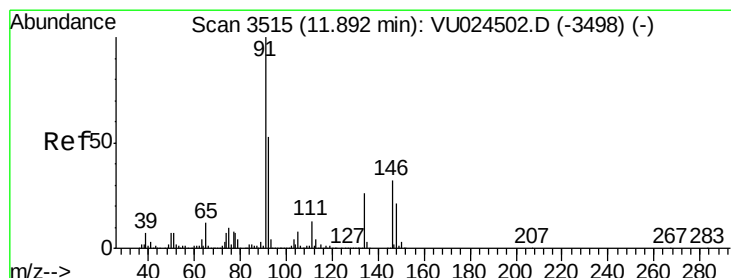
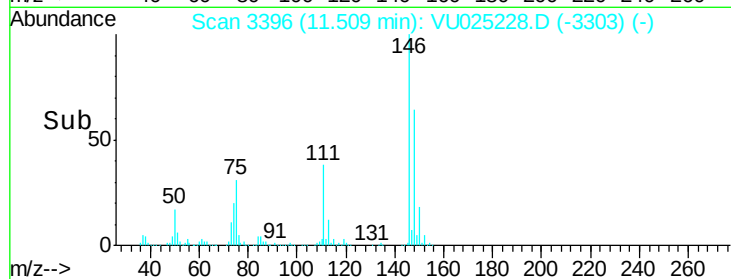
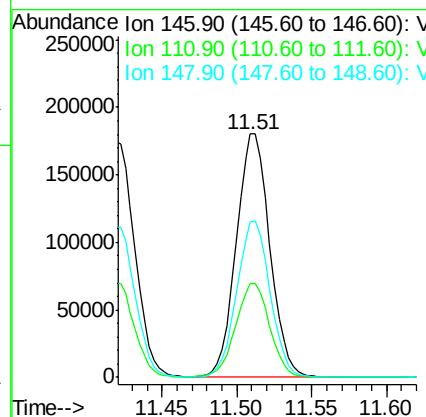
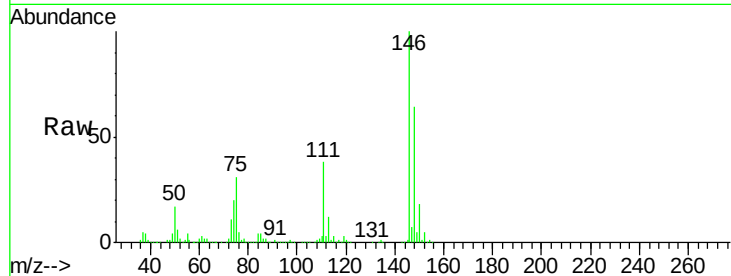
#88
 1,4-Dichlorobenzene
 Concen: 55.047 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.5	58.5
148	64.2	32.4	97.0

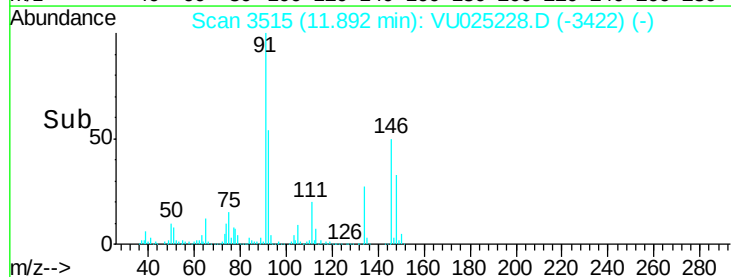
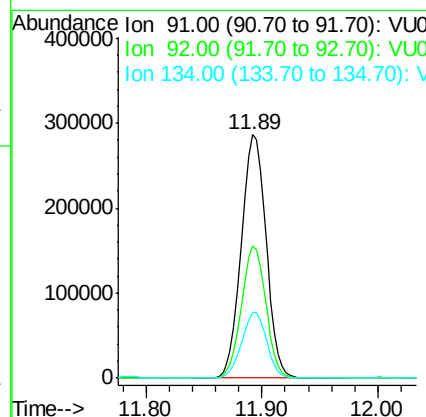
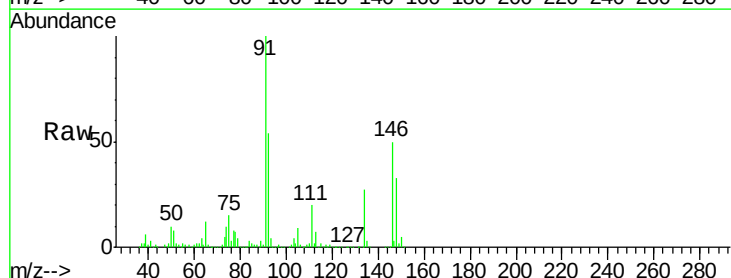
Manual Integrations
 APPROVED

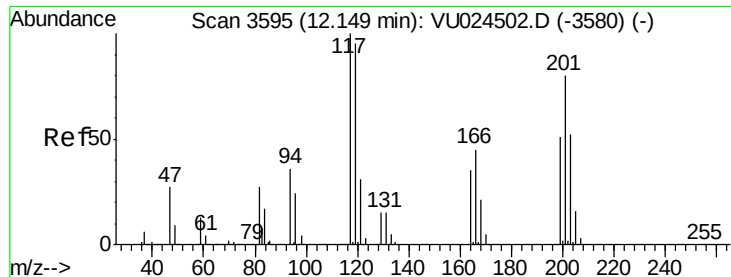
sam
 7/6/2018 4:22:02 PM



#89
 n-Butylbenzene
 Concen: 46.967 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	25.6	76.8
134	27.1	12.3	36.8





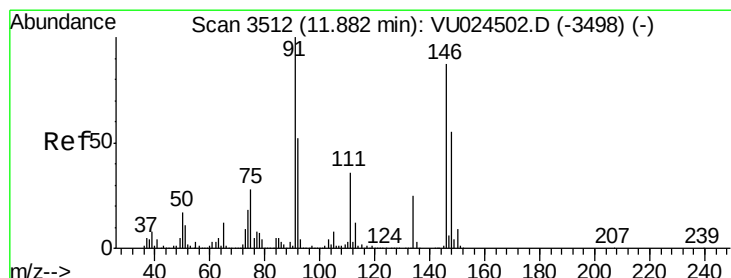
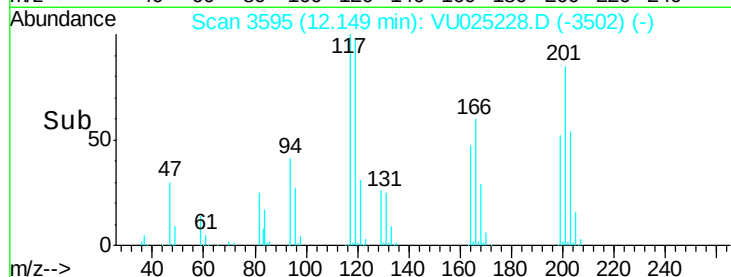
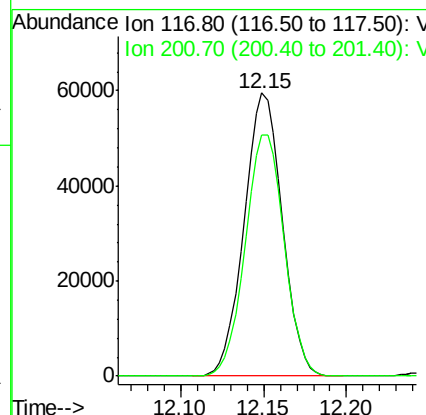
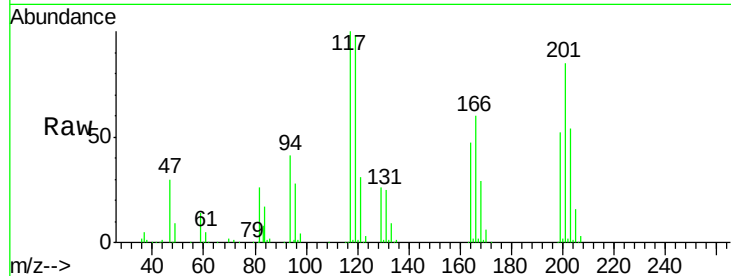
#90
Hexachloroethane
Concen: 48.156 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MS

Tot Ion:117 Resp: 95301
Ion Ratio Lower Upper
117 100
201 86.9 41.1 123.3

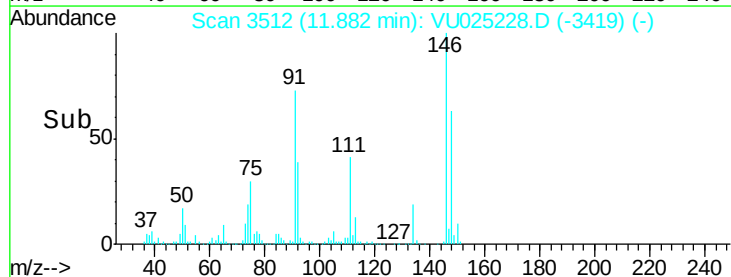
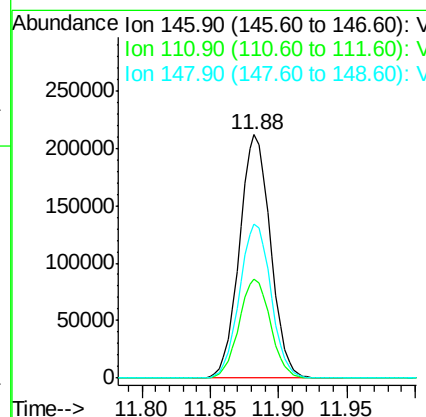
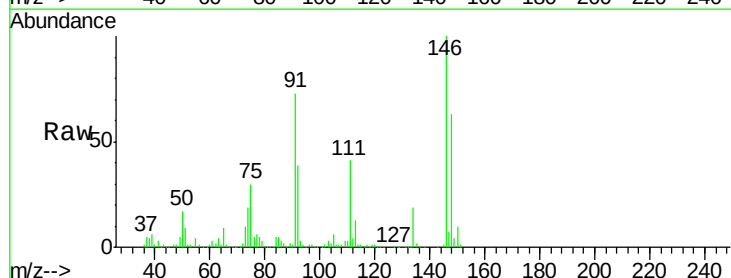
Manual Integrations
APPROVED

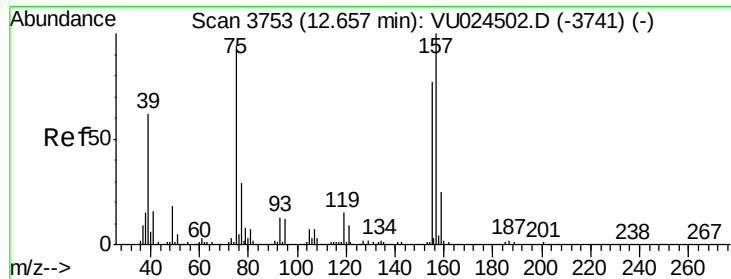
sam
7/6/2018 4:22:02 PM



#91
1,2-Dichlorobenzene
Concen: 65.824 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VU025228.D
Acq: 05 Jul 2018 20:18

Tgt Ion:146 Resp: 334697
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.6
148 64.1 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.238 ug/l

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

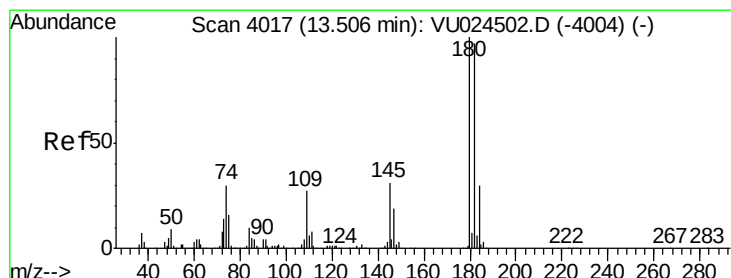
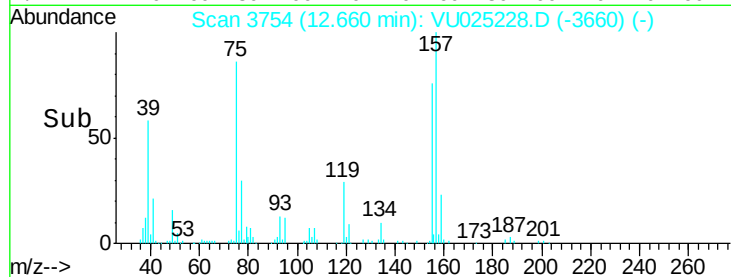
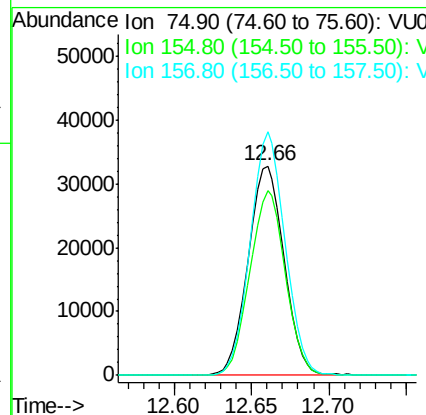
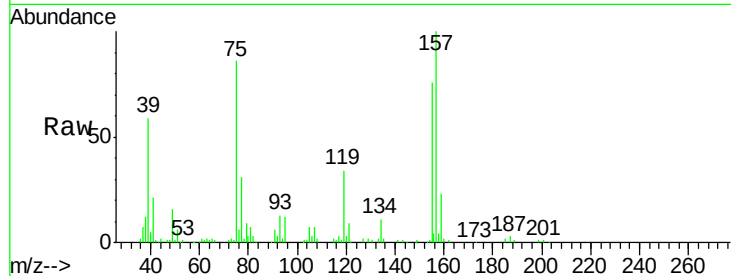
WP021MW470-180628MS

Tot Ion:	75	Resp:	53428
Ion Ratio	Lower	Upper	
75	100		
155	86.7	40.4	121.2
157	111.9	52.3	156.8

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#93

1,2,4-Trichlorobenzene

Concen: 56.399 ug/l

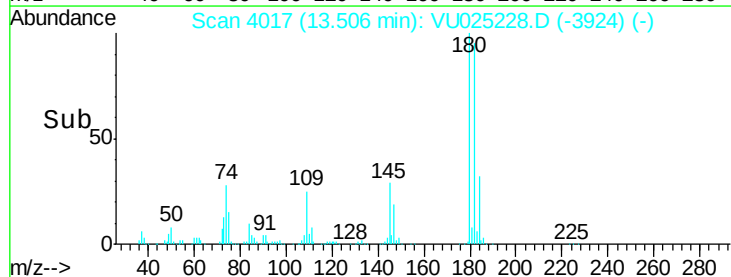
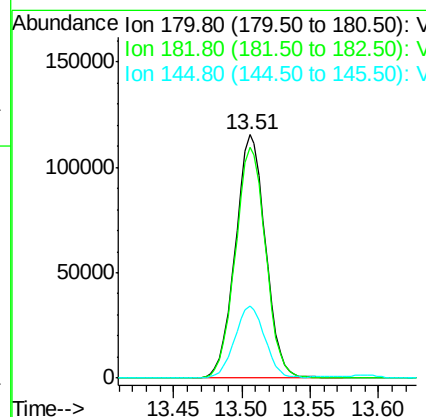
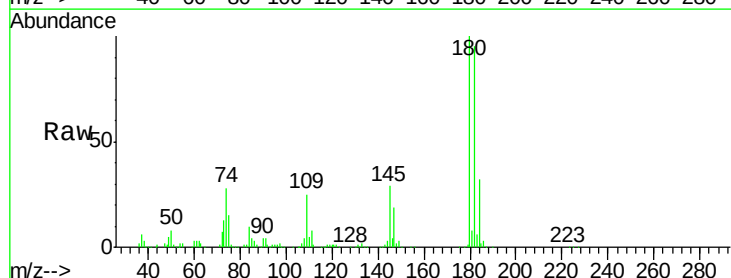
RT: 13.51 min Scan# 4017

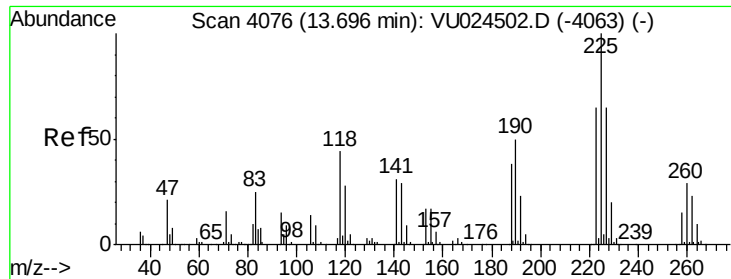
Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	180	Resp:	177088
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.0	144.2
145	29.7	14.7	44.1





#94

Hexachlorobutadiene

Concen: 52.898 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Instrument :

MSVOA_U

ClientSampleId :

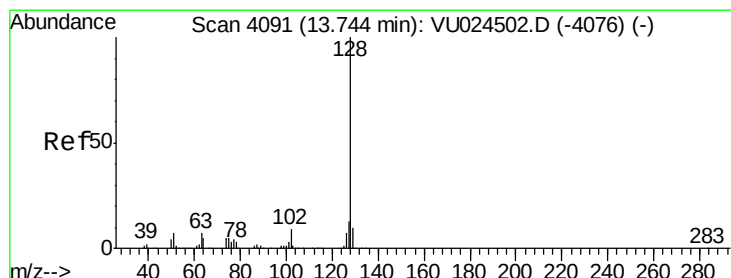
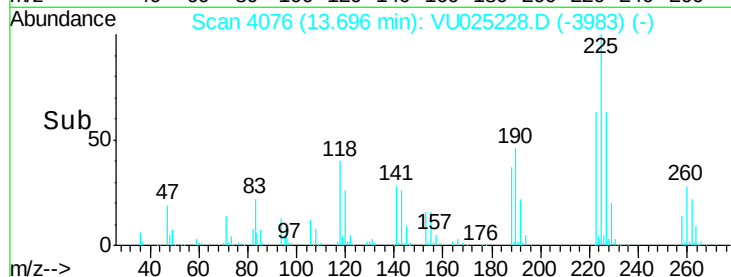
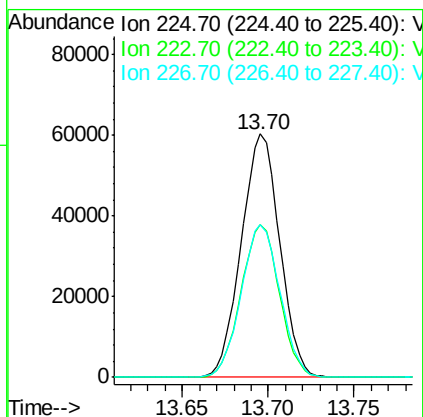
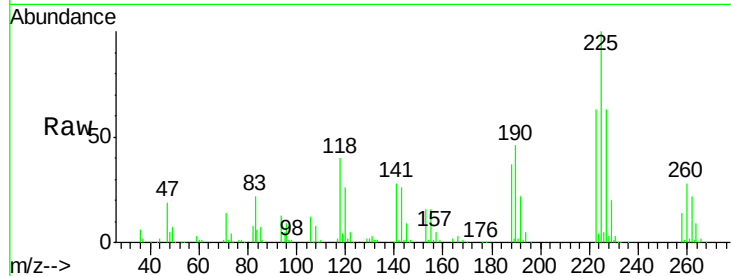
WP021MW470-180628MS

Tot Ion:	225	Resp:	93487
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.3	93.8
227	63.4	31.8	95.4

Manual Integrations
APPROVED

sam

7/6/2018 4:22:02 PM



#95

Naphthalene

Concen: 59.469 ug/l

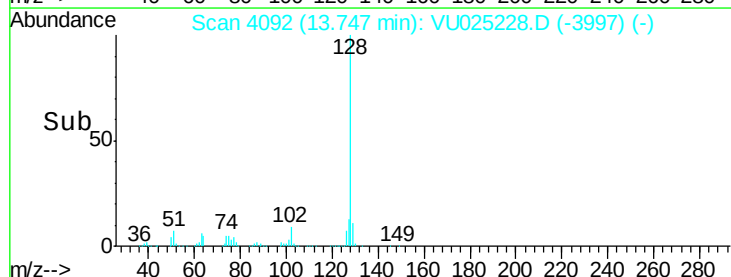
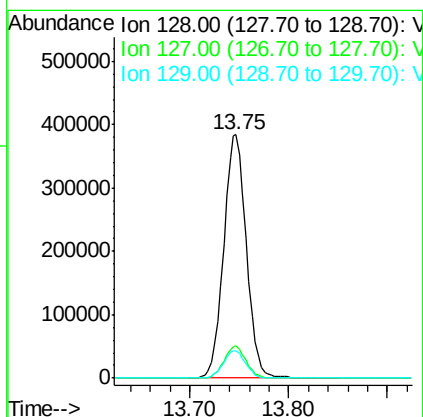
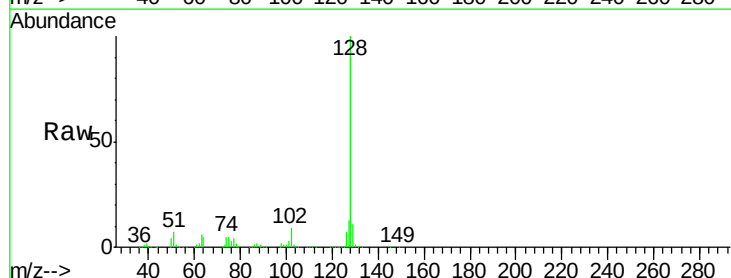
RT: 13.75 min Scan# 4092

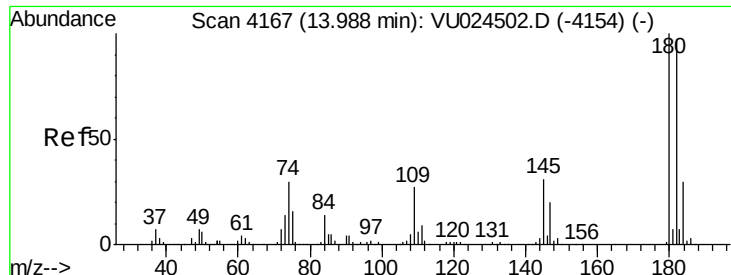
Delta R.T. 0.00 min

Lab File: VU025228.D

Acq: 05 Jul 2018 20:18

Tgt Ion:	128	Resp:	619525
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.0	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 60.897 ug/l
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025228.D
 Acq: 05 Jul 2018 20:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.9	143.7	
145	31.5	15.4	46.1	

Manual Integrations
 APPROVED

sam
 7/6/2018 4:22:02 PM

