

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112618\
 Data File : VU028333.D
 Acq On : 26 Nov 2018 12:26
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:38 PM

Quant Time: Nov 27 01:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	50741	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.30	95	18548	1.00	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16608	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	133839	7.333 ug/l	100
3) Chloromethane	1.32	50	292183	9.405 ug/l	98
4) Vinyl Chloride	1.40	62	206503	9.712 ug/l	100
5) Bromomethane	1.63	94	76864	9.176 ug/l	97
6) Chloroethane	1.70	64	122184	9.843 ug/l	98
7) Trichlorofluoromethane	1.89	101	231541	9.971 ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	137261	10.277 ug/l	99
9) 1,1-Dichloroethene	2.29	96	132307	10.710 ug/l	95
10) Iodomethane	2.41	142	109616	13.120 ug/l	100
11) Allyl Chloride	2.59	41	336064	10.775 ug/l	97
12) Acrylonitrile	2.94	53	207459	52.720 ug/l	96
13) Acetone	2.33	43	268339	73.585 ug/l	98
14) Carbon Disulfide	2.48	76	481630	10.264 ug/l	100
15) Methylene Chloride	2.70	84	151191	10.036 ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	142668	10.319 ug/l	99
17) 1,1-Dichloroethane	3.44	63	320068	10.385 ug/l	98
18) 2-Butanone	4.28	43	348501	63.955 ug/l	99
19) Cyclohexane	4.99	56	279654	10.452 ug/l	98
20) Methylcyclohexane	6.41	83	283138	10.810 ug/l	99
21) 2,2-Dichloropropane	4.22	77	259543	10.492 ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	166934	10.318 ug/l	95
23) Diethyl Ether	2.10	59	129449	10.453 ug/l	99
24) tert-Butyl Alcohol	2.85	59	68503	55.109 ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	386765	10.540 ug/l	100
26) Bromochloromethane	4.55	128	60846	9.866 ug/l	99
27) Chloroform	4.67	83	295954	9.957 ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	245616	10.581 ug/l	99
29) 1,1-Dichloropropene	5.13	75	233184	10.472 ug/l	100
30) Carbon Tetrachloride	5.13	117	197317	10.526 ug/l	93
31) Isopropyl Ether	3.58	45	628798	11.392 ug/l #	1
34) Propionitrile	4.34	54	153850	112.391 ug/l #	94
35) Benzene	5.39	78	693771	10.584 ug/l	100
36) 1,2-Dichloroethane	5.40	62	201078	10.256 ug/l	99
37) Trichloroethene	6.18	130	150904	10.569 ug/l	99
38) 1,2-Dichloropropane	6.43	63	197260	10.552 ug/l	96
39) Methacrylonitrile	4.55	41	77203	10.529 ug/l	98
40) Methyl acrylate	4.43	55	102515	10.162 ug/l #	91
41) Tetrahydrofuran	4.65	42	195824	53.132 ug/l	99
42) 1-Chlorobutane	5.06	56	364740	10.304 ug/l	96
43) Dibromomethane	6.56	93	85193	10.705 ug/l	98
44) Bromodichloromethane	6.76	83	218379	10.392 ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112618\
 Data File : VU028333.D
 Acq On : 26 Nov 2018 12:26
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

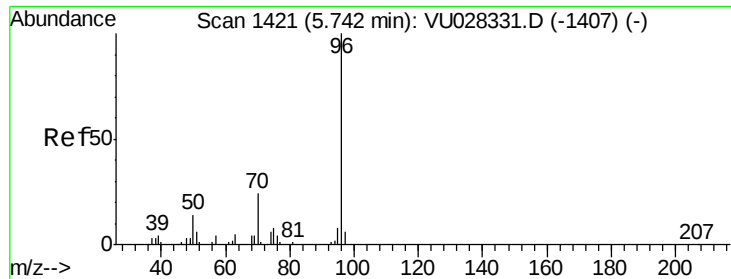
Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:38 PM

Quant Time: Nov 27 01:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.46	43	696200	54.465	ug/l	99
46) t-1,4-Dichloro-2-butene	10.49	75	97535m	20.862	ug/l	
47) Methyl methacrylate	6.63	69	92410	11.376	ug/l	99
48) Ethyl methacrylate	8.02	69	177385	10.917	ug/l	96
49) Toluene	7.64	92	397612	10.922	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	228099	11.301	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	269705	10.821	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	116881	10.461	ug/l	99
53) 1,3-Dichloropropane	8.24	76	225737	10.816	ug/l	99
54) 2-Hexanone	8.36	43	550543	59.871	ug/l	99
55) Dibromochloromethane	8.48	129	127482	10.727	ug/l	100
56) 1,2-Dibromoethane	8.58	107	109281	10.738	ug/l	99
58) Tetrachloroethene	8.22	164	134482	10.287	ug/l	98
59) Chlorobenzene	9.12	112	404852	10.687	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	134905	10.508	ug/l	98
61) Pentachloroethane	11.10	117	110008	11.012	ug/l	100
62) Hexachloroethane	12.14	117	105012	11.217	ug/l	98
63) Ethyl Benzene	9.25	91	784640	11.225	ug/l	98
64) m/p-Xylenes	9.37	106	568276	22.465	ug/l	99
65) o-Xylene	9.78	106	273286	11.195	ug/l	98
66) Styrene	9.79	104	451341	10.779	ug/l	99
67) Bromoform	9.96	173	70096	10.524	ug/l	99
69) Isopropylbenzene	10.17	105	744120	11.384	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	157273	10.494	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	70476m	6.746	ug/l	
72) Bromobenzene	10.45	156	159809	11.015	ug/l	98
73) n-propylbenzene	10.58	120	192914	11.379	ug/l	98
74) 2-Chlorotoluene	10.66	126	160661	10.815	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	626515	11.388	ug/l	97
76) 4-Chlorotoluene	10.77	126	170975	11.353	ug/l	99
77) tert-Butylbenzene	11.10	119	582581	11.248	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	640726	11.365	ug/l	99
79) sec-Butylbenzene	11.32	105	785940	10.885	ug/l	100
80) Nitrobenzene	12.86	77	8274	12.255	ug/l	97
81) p-Isopropyltoluene	11.48	119	664168	11.576	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	315235	10.847	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	312033	10.788	ug/l	98
84) n-Butylbenzene	11.89	91	695637	11.548	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	295719	10.691	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	26147	10.846	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	216851	11.152	ug/l	98
88) Hexachlorobutadiene	13.69	225	116281	11.052	ug/l	99
89) Naphthalene	13.74	128	441494	11.488	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	203060	11.075	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

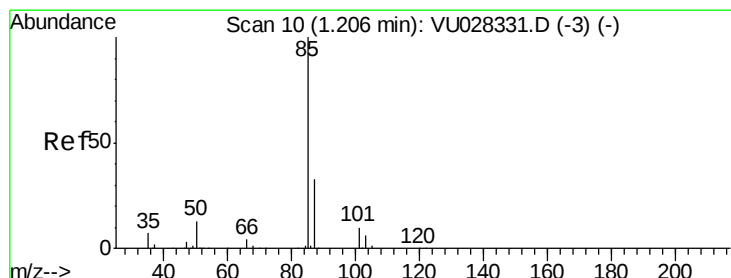
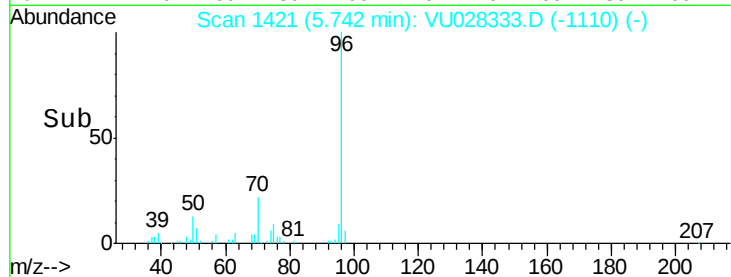
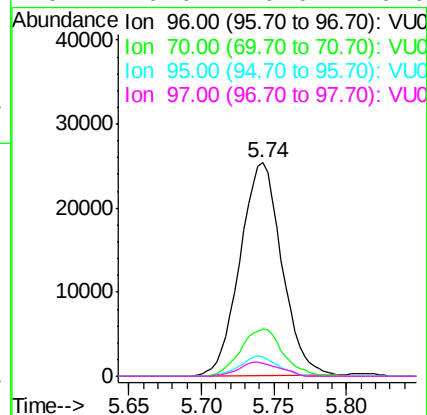
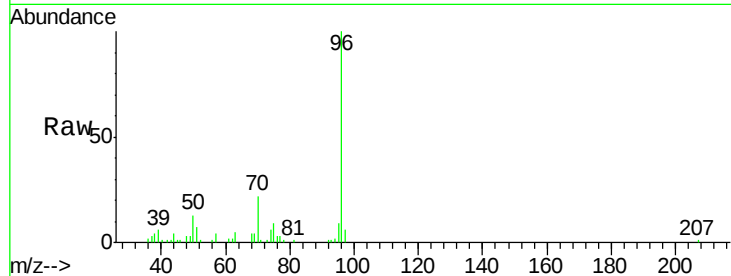
ClientSampleId :

ICVVU112618

Tgt Ion:	96	Resp:	50741
Ion	Ratio	Lower	Upper
96	100		
70	22.7	17.8	26.8
95	8.4	7.6	11.4
97	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#2

Dichlorodifluoromethane

Concen: 7.333 ug/l

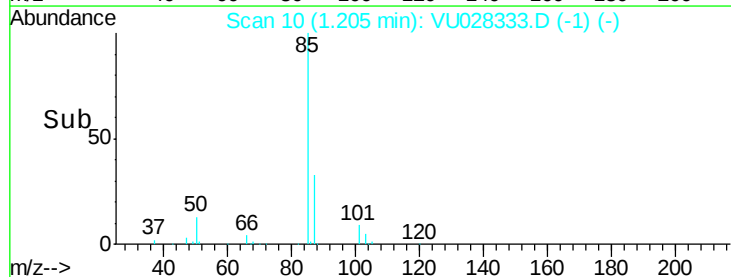
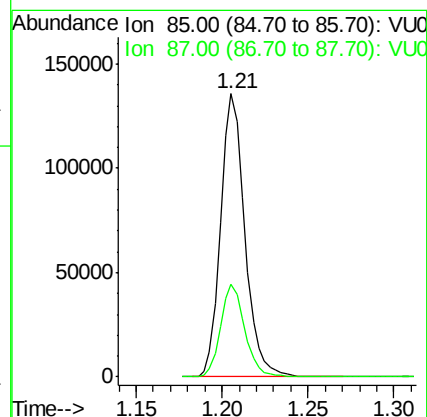
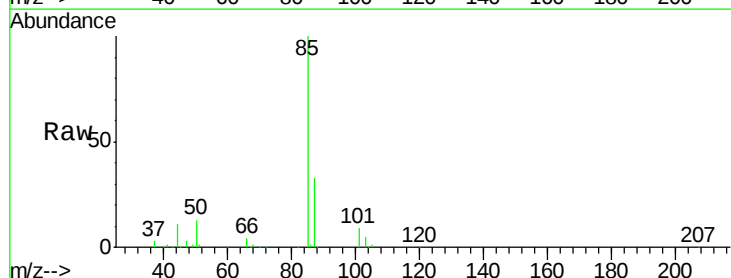
RT: 1.21 min Scan# 10

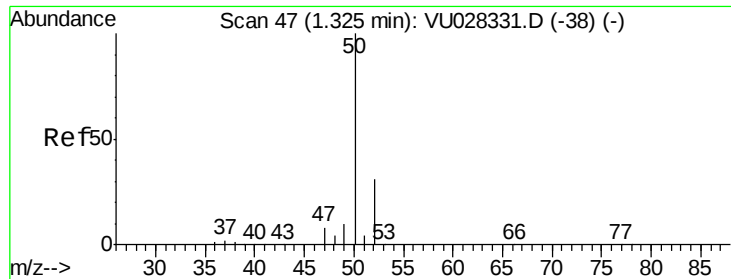
Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion:	85	Resp:	133839
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.3	48.8





#3

Chloromethane

Concen: 9.405 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 50 Resp: 292183

Ion Ratio Lower Upper

50 100

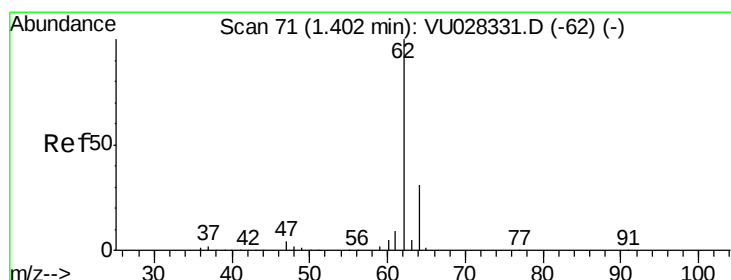
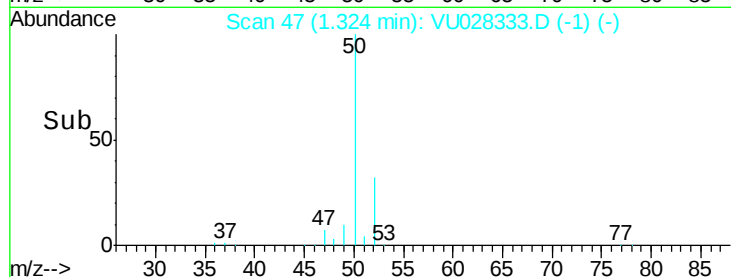
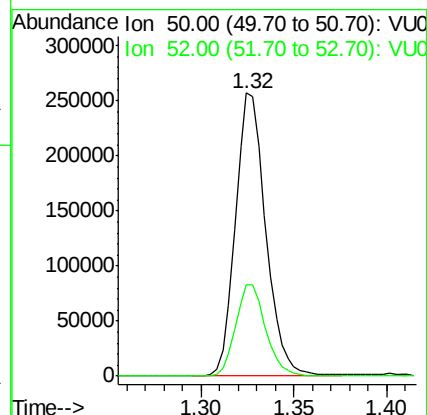
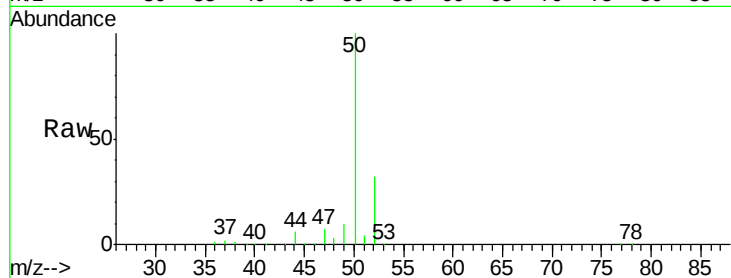
52 32.5 25.1 37.7

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



#4

Vinyl Chloride

Concen: 9.712 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028333.D

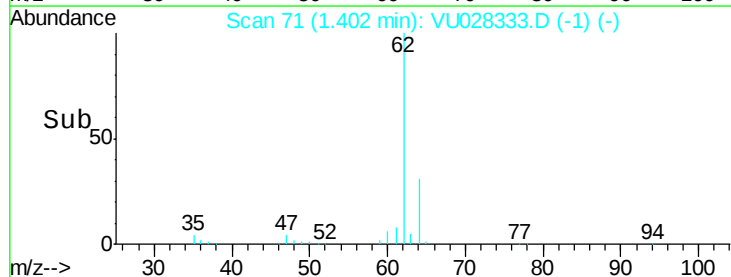
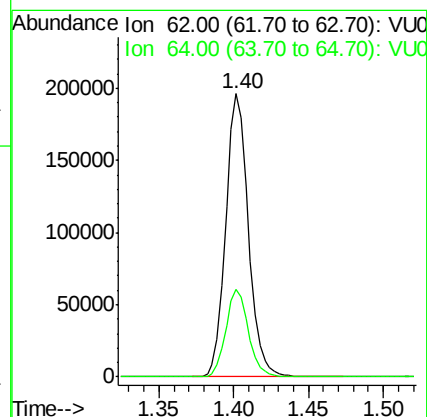
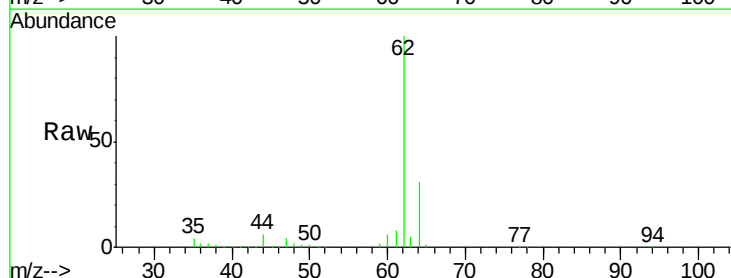
Acq: 26 Nov 2018 12:26

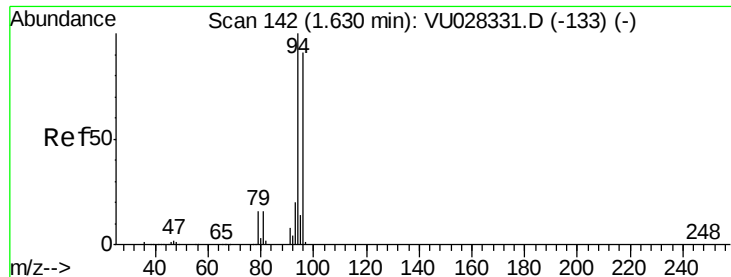
Tgt Ion: 62 Resp: 206503

Ion Ratio Lower Upper

62 100

64 30.7 24.7 37.1





#5

Bromomethane

Concen: 9.176 ug/l

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 94 Resp: 76864

Ion Ratio Lower Upper

94 100

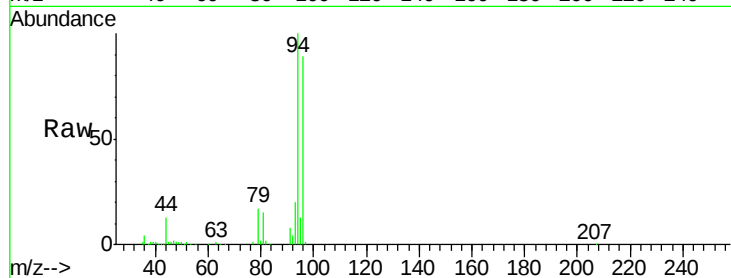
96 88.7 73.1 109.7

Manual Integrations

APPROVED

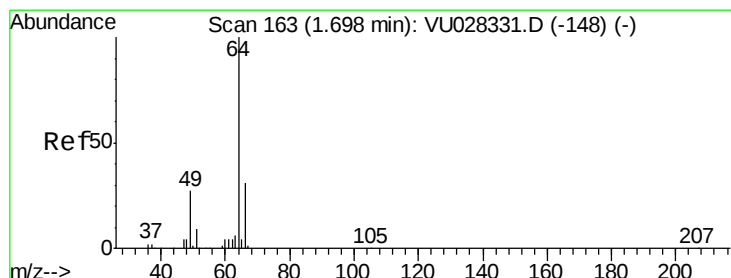
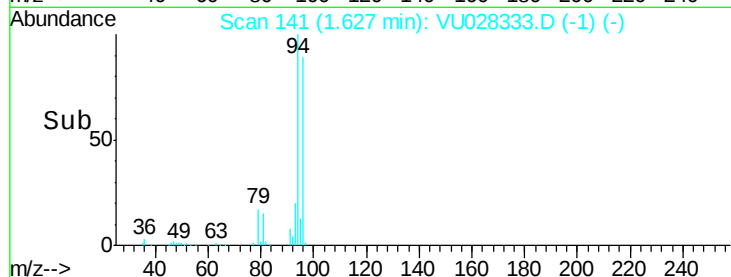
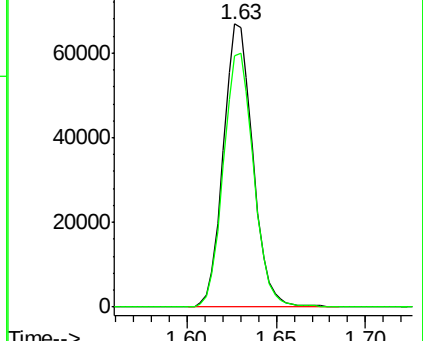
MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.843 ug/l

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU028333.D

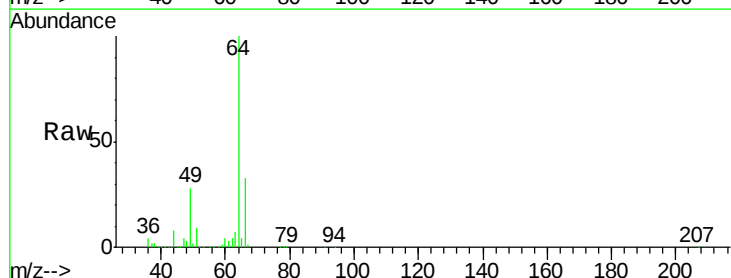
Acq: 26 Nov 2018 12:26

Tgt Ion: 64 Resp: 122184

Ion Ratio Lower Upper

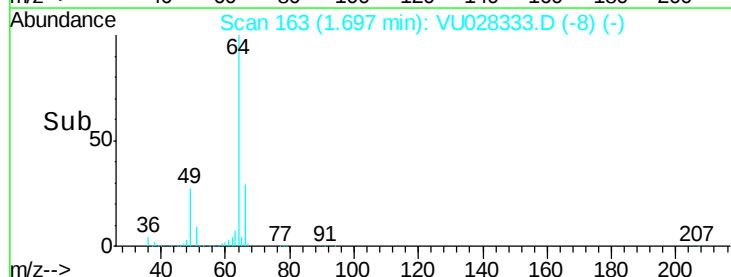
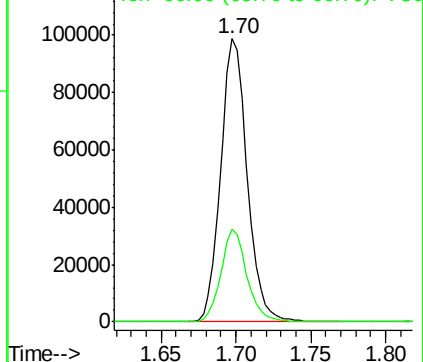
64 100

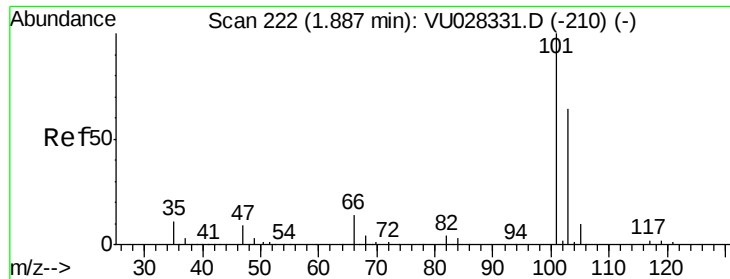
66 32.5 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

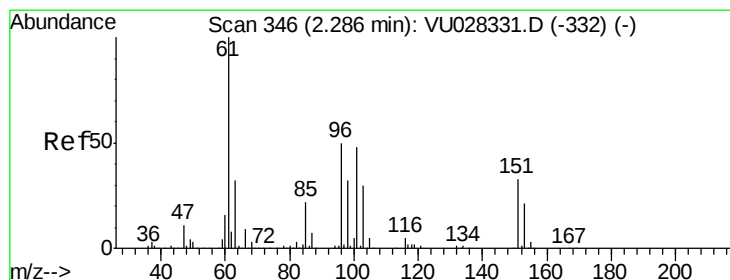
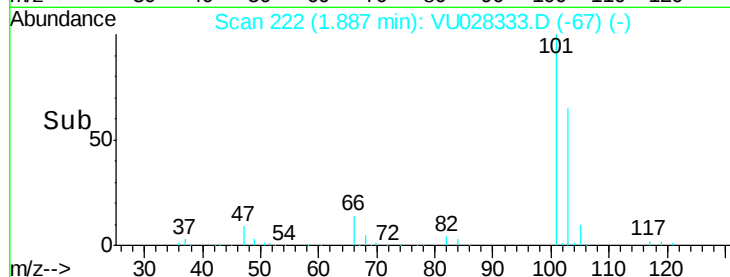
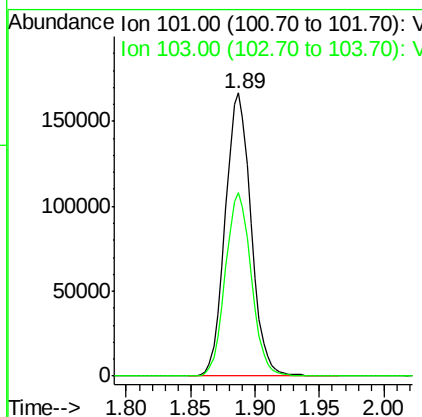
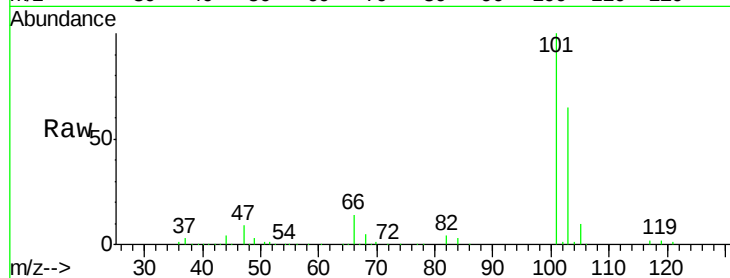
Trichlorofluoromethane
 Concen: 9.971 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	231541		
103	64.8	51.4	77.0	

Manual Integrations
 APPROVED

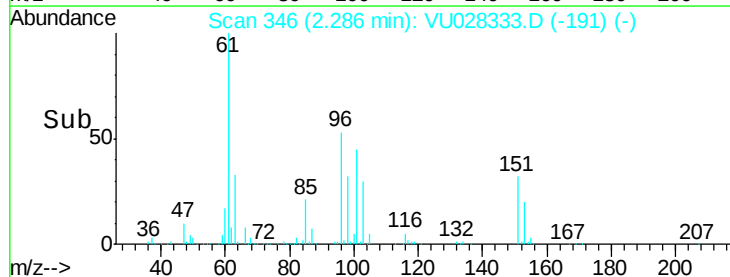
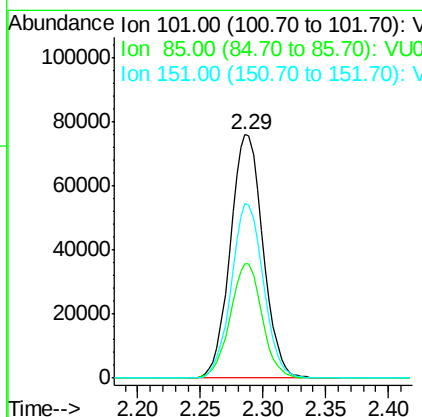
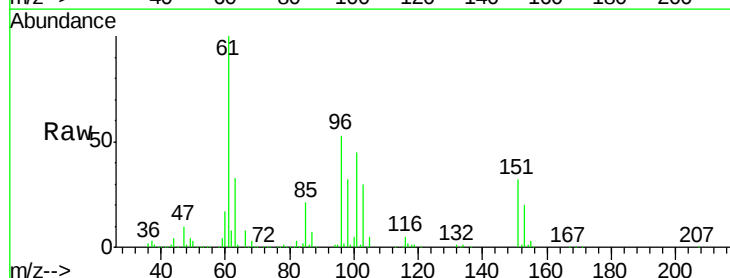
MMDadoda
 11/30/2018 2:33:38 PM

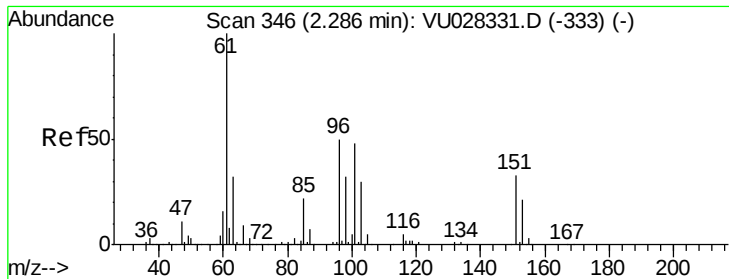


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.277 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	137261		
85	45.8	36.7	55.1	
151	70.3	55.8	83.6	





#9

1,1-Dichloroethene

Concen: 10.710 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

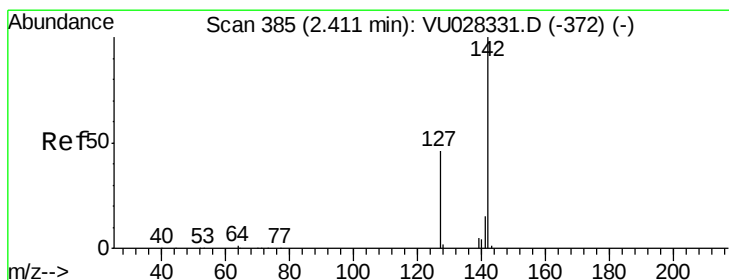
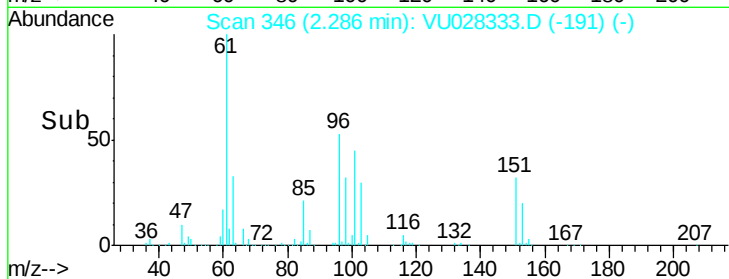
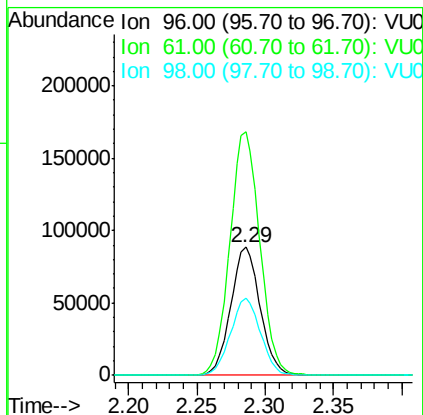
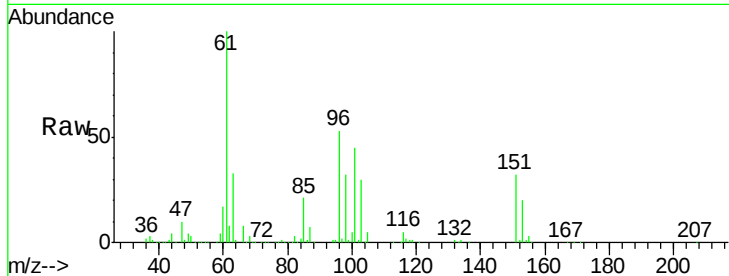
ClientSampleId :

ICVVU112618

Tgt Ion:	96	Resp:	132307
Ion Ratio	Lower	Upper	
96	100		
61	190.4	0.0	597.6
98	60.5	0.0	127.6

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#10

Iodomethane

Concen: 13.120 ug/l

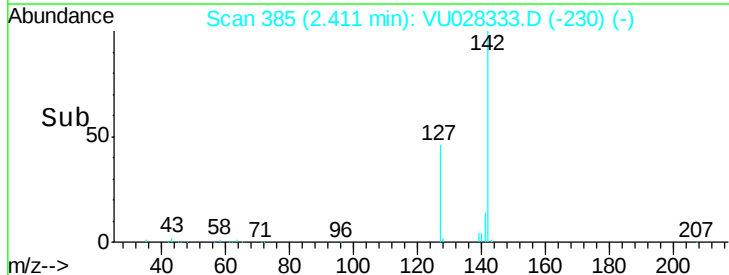
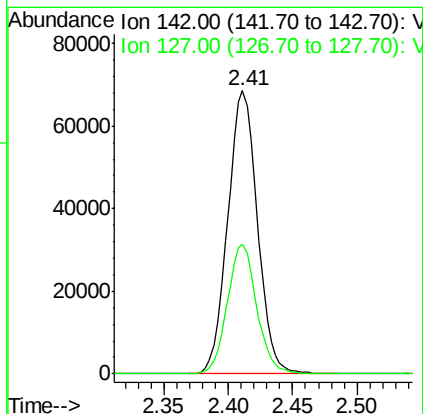
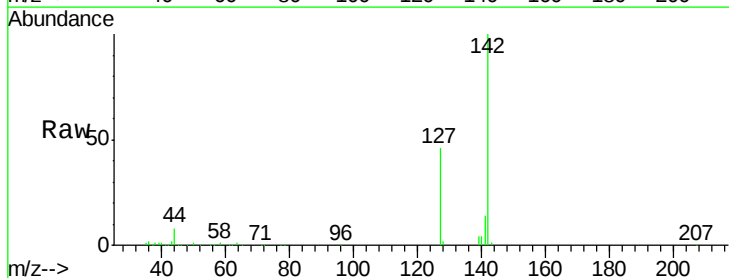
RT: 2.41 min Scan# 385

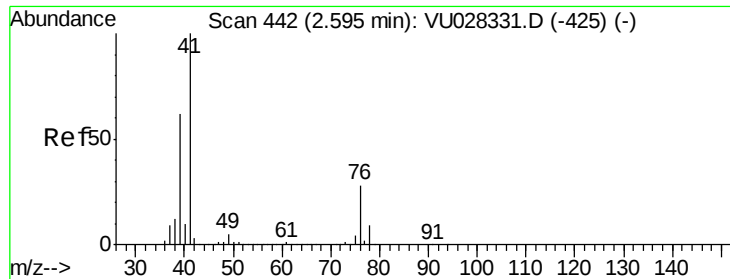
Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion:	142	Resp:	109616
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.4	54.6





#11

Allyl Chloride

Concen: 10.775 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 41 Resp: 336064

Ion Ratio Lower Upper

41 100

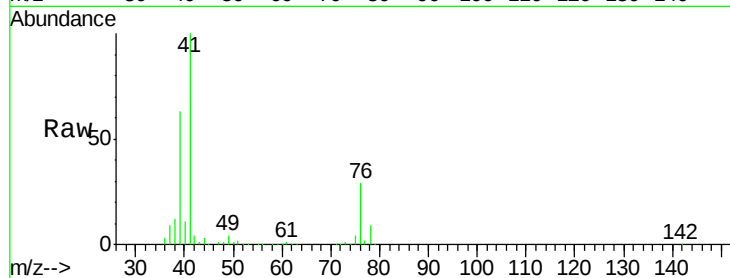
39 61.1 50.8 76.2

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 41.00 (40.70 to 41.70): VU028333.D (-425) (-)

Ion 39.00 (38.70 to 39.70): VU028333.D (-425) (-)

2.59

200000

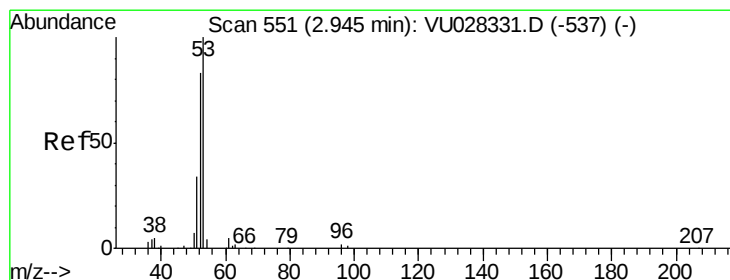
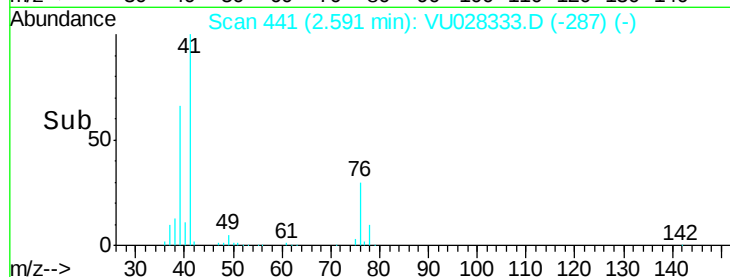
150000

100000

50000

0

Time-->



#12

Acrylonitrile

Concen: 52.720 ug/l

RT: 2.94 min Scan# 550

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

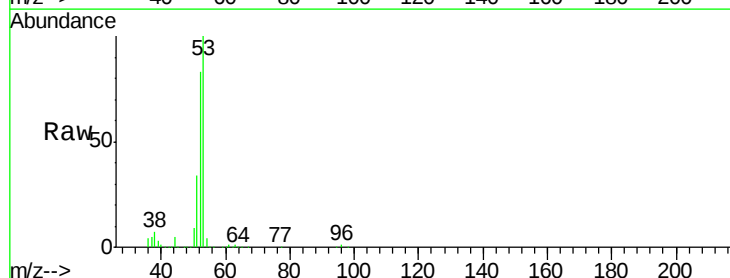
Tgt Ion: 53 Resp: 207459

Ion Ratio Lower Upper

53 100

52 82.1 69.3 103.9

51 33.2 27.8 41.8



Abundance Ion 53.00 (52.70 to 53.70): VU028333.D (-537) (-)

Ion 52.00 (51.70 to 52.70): VU028333.D (-537) (-)

Ion 51.00 (50.70 to 51.70): VU028333.D (-537) (-)

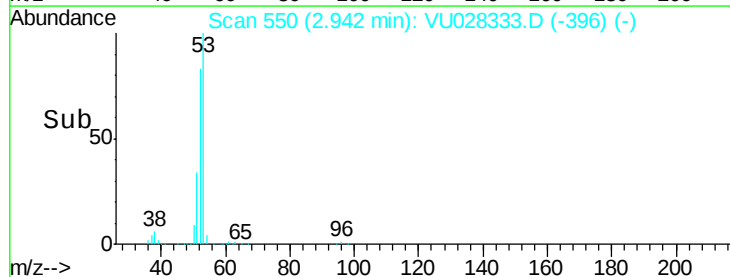
2.94

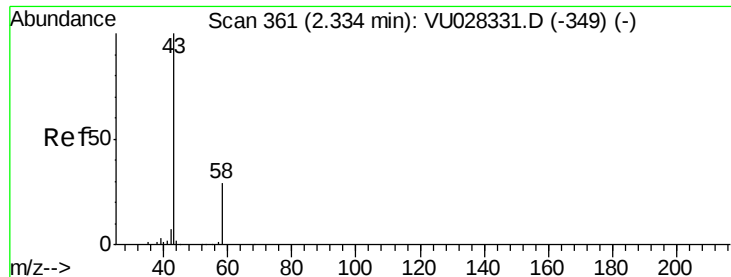
100000

50000

0

Time-->





#13

Acetone

Concen: 73.585 ug/l

RT: 2.33 min Scan# 360

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 43 Resp: 268339

Ion Ratio Lower Upper

43 100

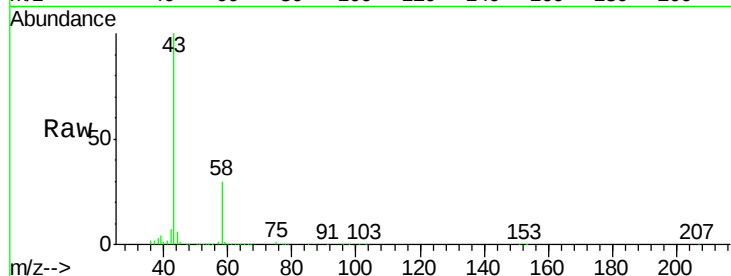
58 29.8 23.1 34.7

Manual Integrations

APPROVED

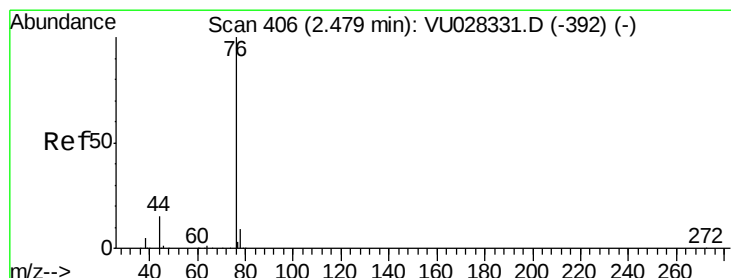
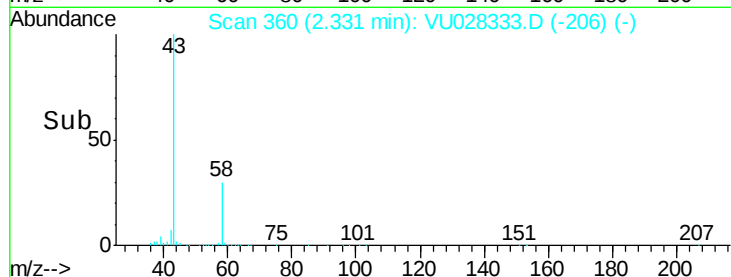
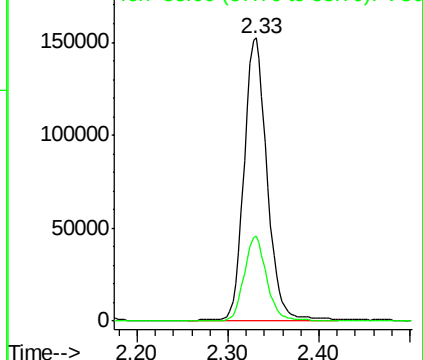
MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.264 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028333.D

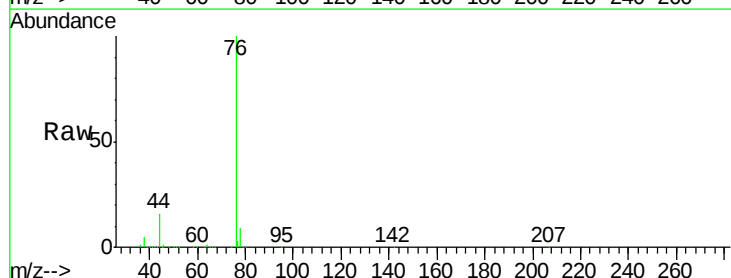
Acq: 26 Nov 2018 12:26

Tgt Ion: 76 Resp: 481630

Ion Ratio Lower Upper

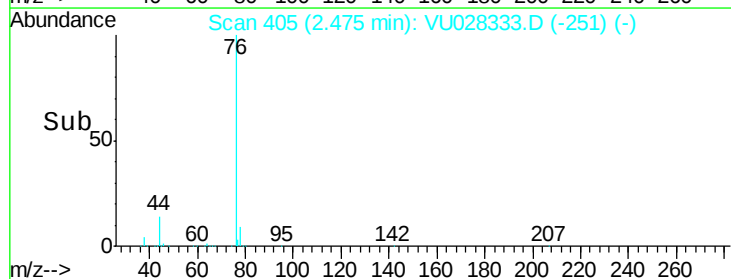
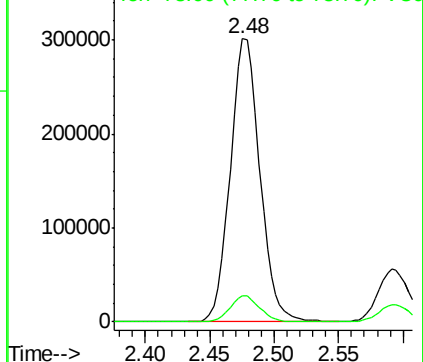
76 100

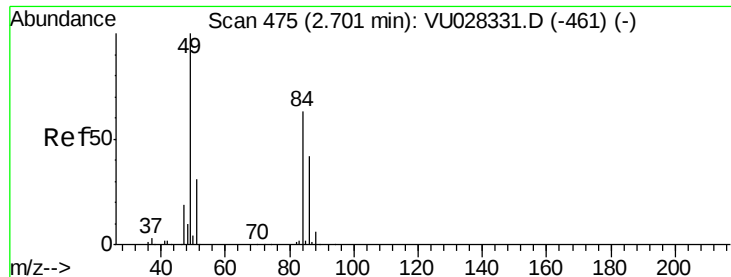
78 9.2 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





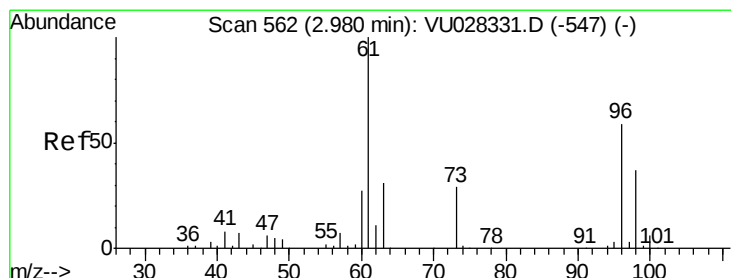
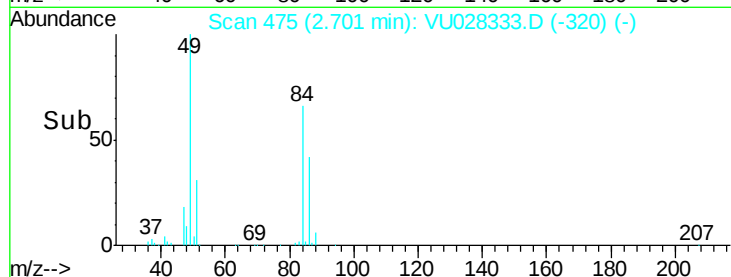
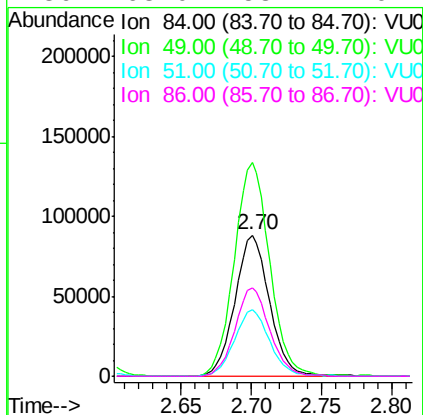
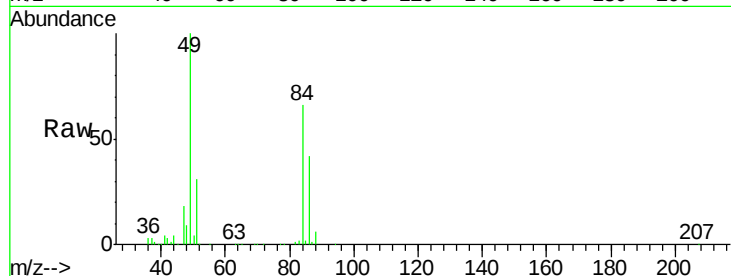
#15
Methylene Chloride
Concen: 10.036 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.2	127.7	191.5
51	47.0	0.0	98.2
86	63.0	53.1	79.7

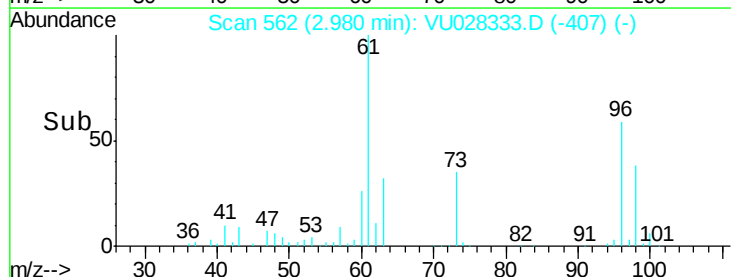
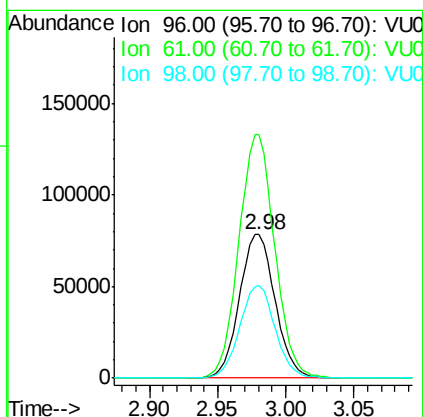
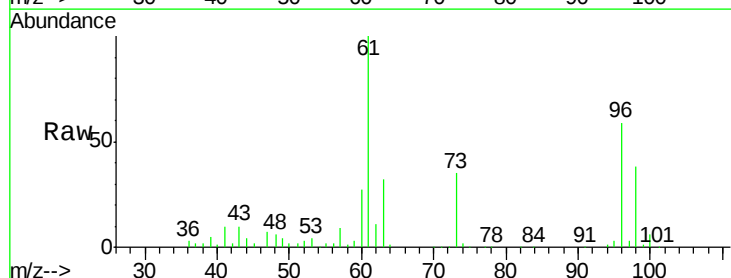
Manual Integrations
APPROVED

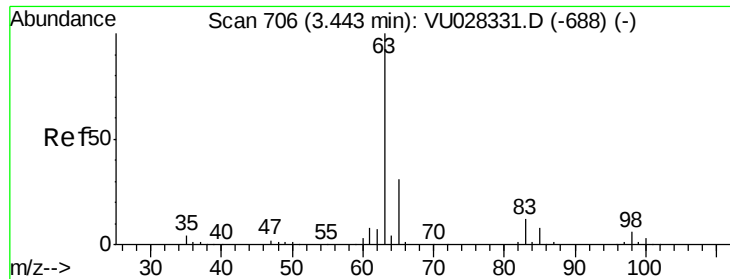
MMDadoda
11/30/2018 2:33:38 PM



#16
trans-1,2-Dichloroethene
Concen: 10.319 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	136.4	204.6
98	64.4	49.8	74.8





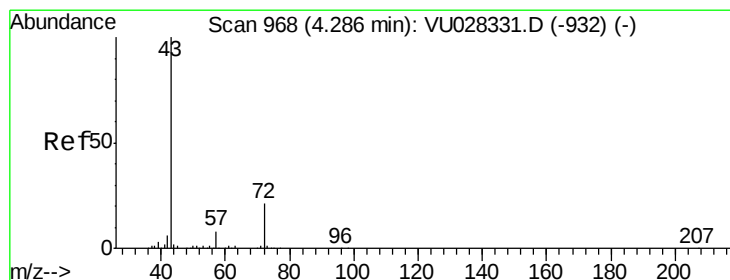
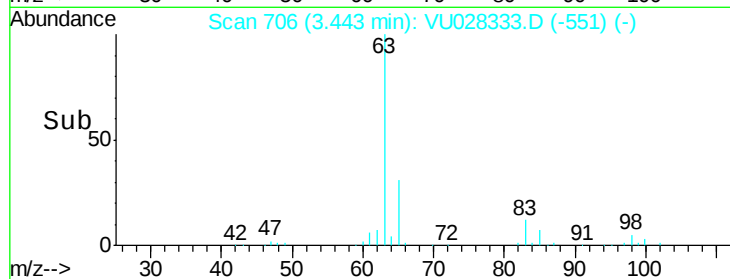
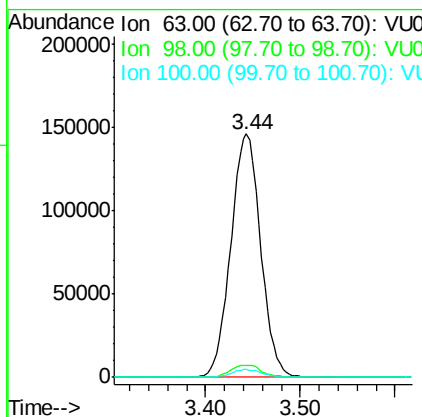
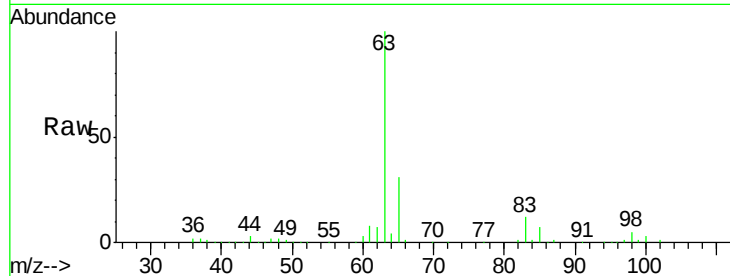
#17
 1,1-Dichloroethane
 Concen: 10.385 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	5.1	3.0	9.0
100	3.2	1.8	5.3

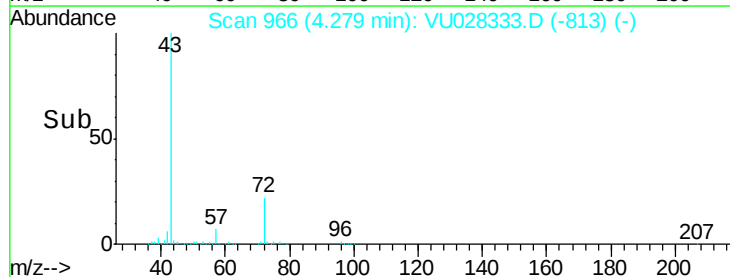
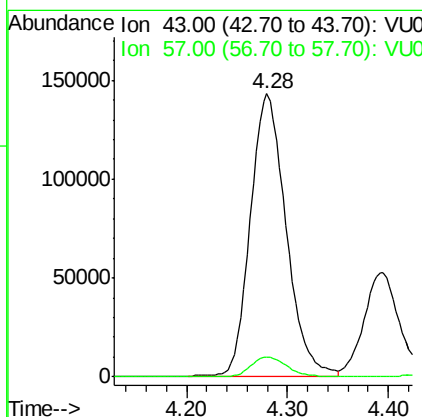
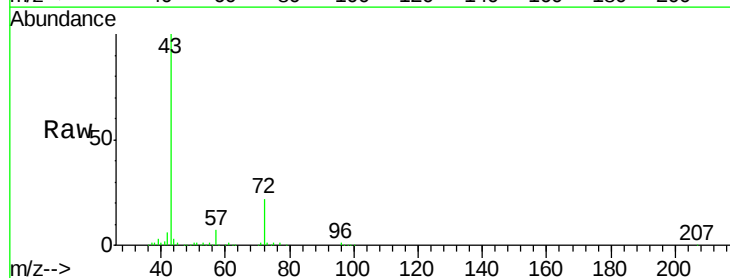
Manual Integrations
 APPROVED

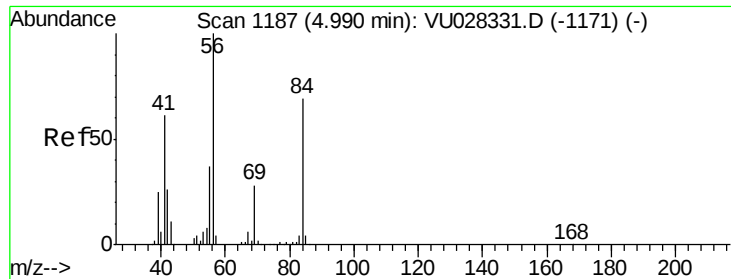
MMDadoda
 11/30/2018 2:33:38 PM



#18
 2-Butanone
 Concen: 63.955 ug/l
 RT: 4.28 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.1	0.0	15.0





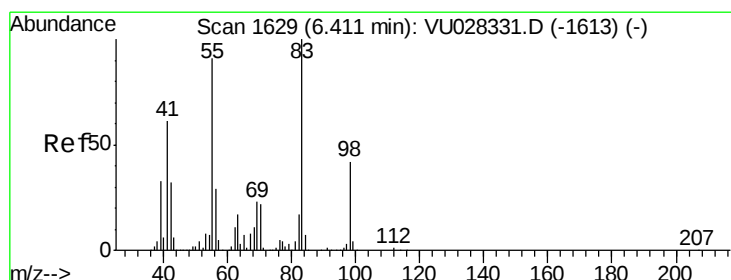
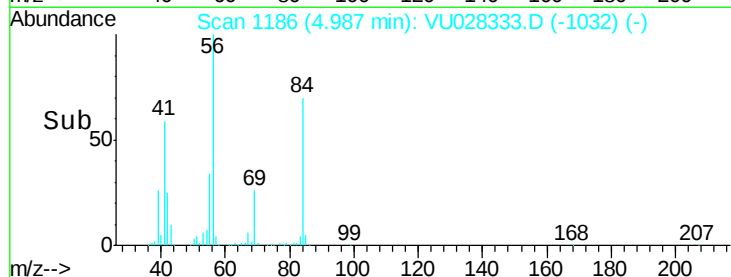
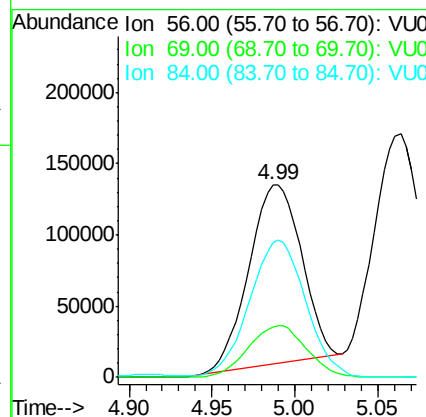
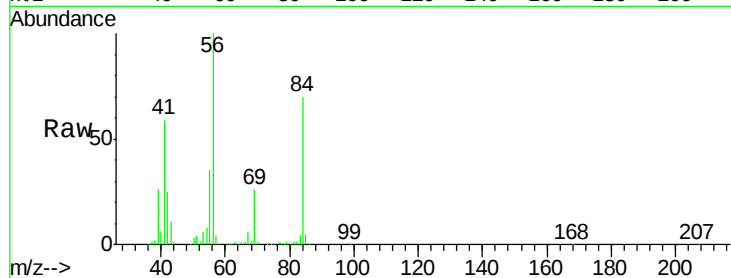
#19
Cyclohexane
Concen: 10.452 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.0	37.6
84	80.5	62.6	94.0

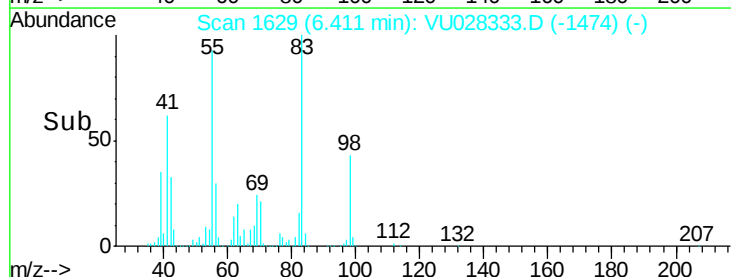
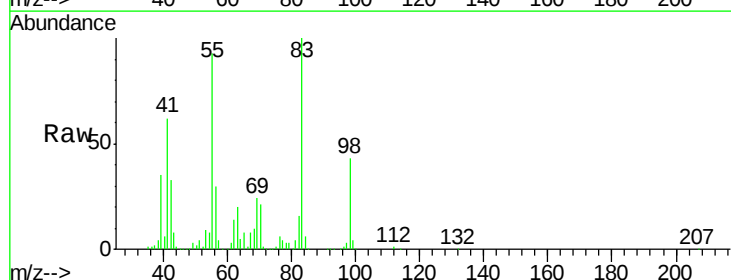
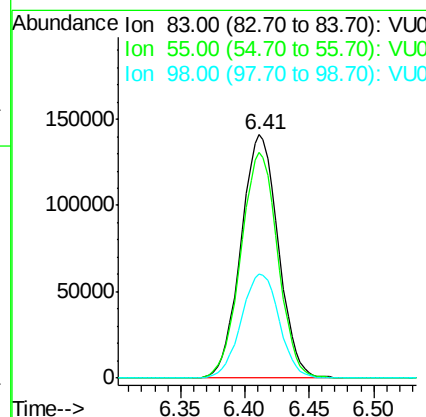
Manual Integrations
APPROVED

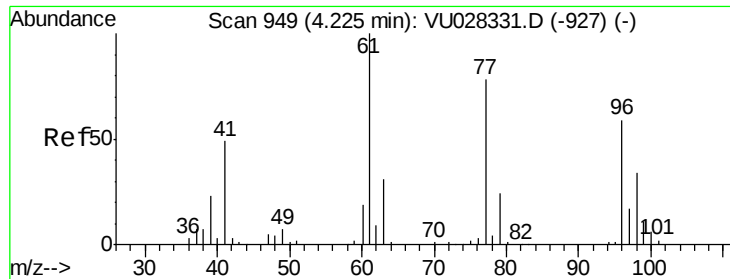
MMDadoda
11/30/2018 2:33:38 PM



#20
Methylcyclohexane
Concen: 10.810 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.7	72.6	108.8
98	43.7	33.8	50.8





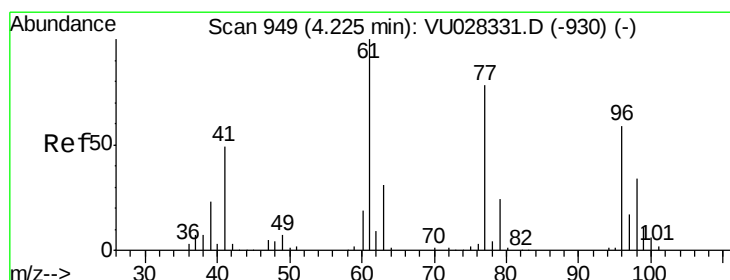
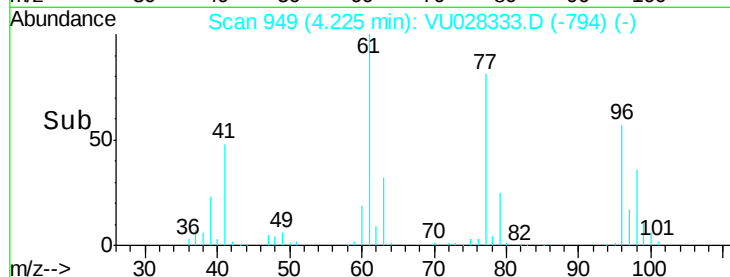
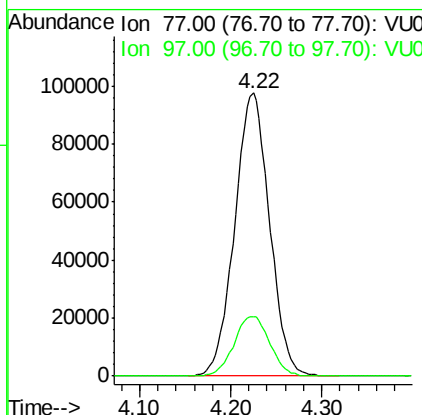
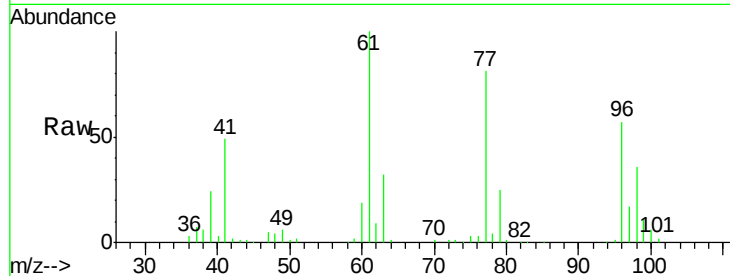
#21
 2,2-Dichloropropane
 Concen: 10.492 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion: 77 Resp: 259543
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.4 26.2

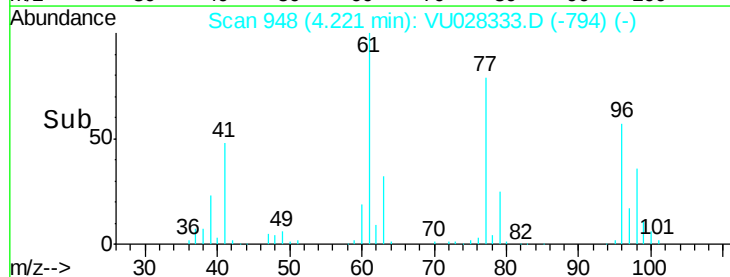
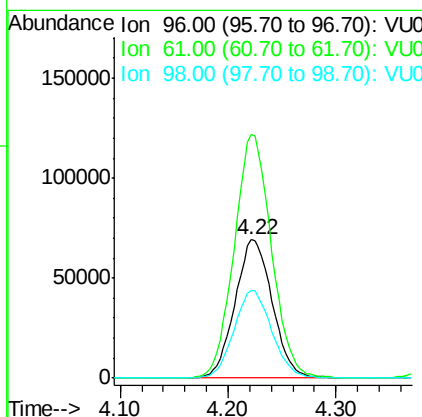
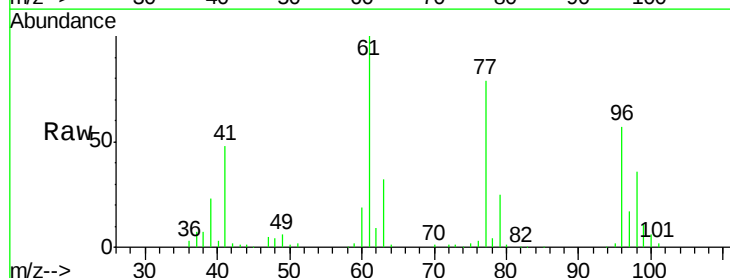
Manual Integrations
 APPROVED

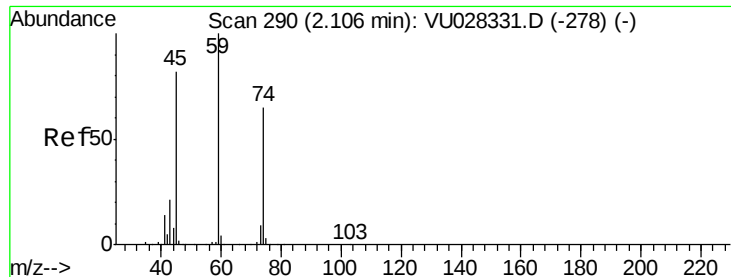
MMDadoda
 11/30/2018 2:33:38 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.318 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion: 96 Resp: 166934
 Ion Ratio Lower Upper
 96 100
 61 175.7 0.0 423.0
 98 64.2 30.3 91.0





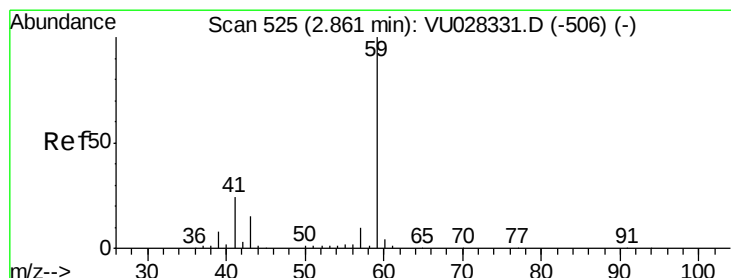
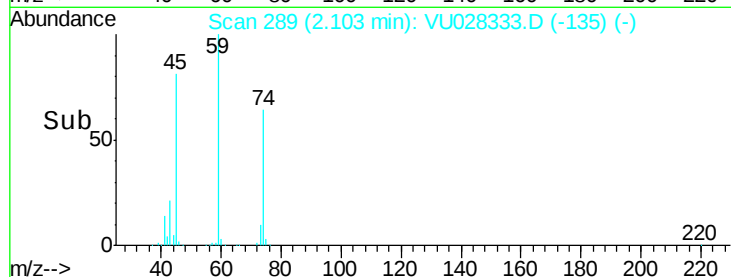
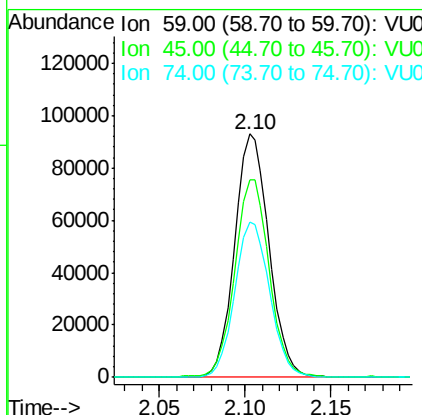
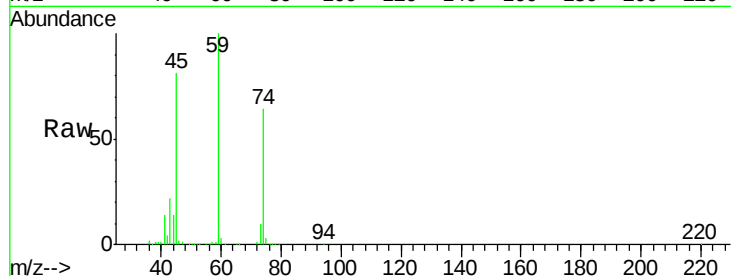
#23
Diethyl Ether
Concen: 10.453 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
59	100		
45	80.8	66.4	99.6
74	65.1	52.2	78.4

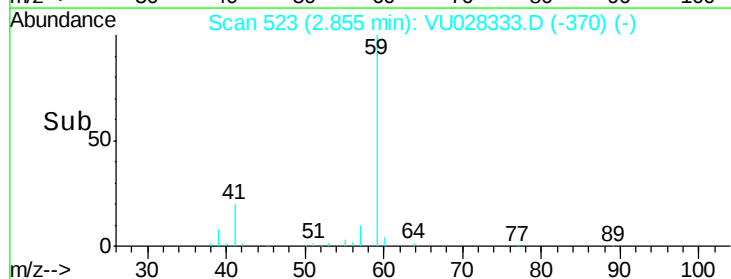
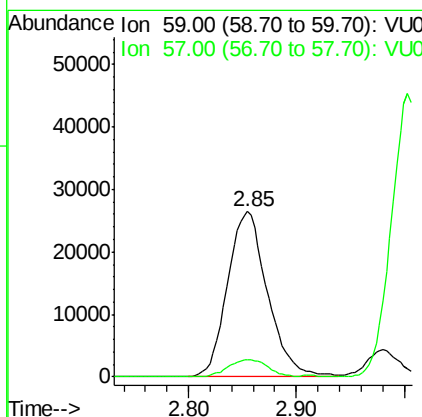
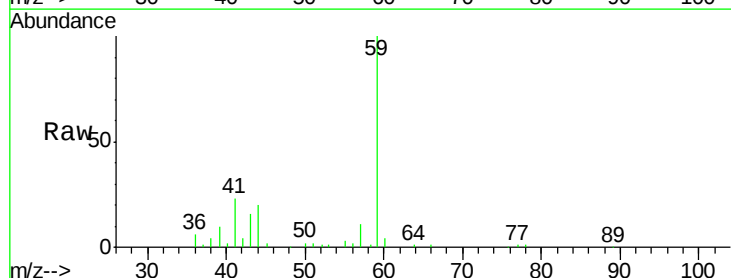
Manual Integrations
APPROVED

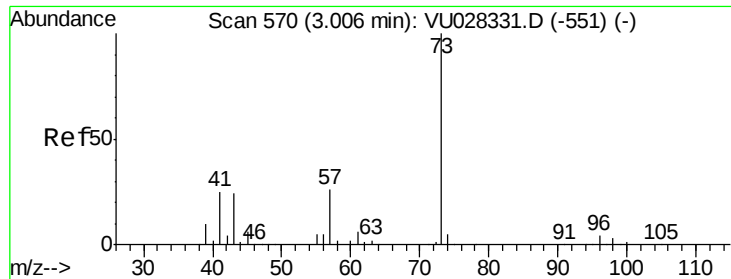
MMDadoda
11/30/2018 2:33:38 PM



#24
tert-Butyl Alcohol
Concen: 55.109 ug/l
RT: 2.85 min Scan# 523
Delta R.T. -0.01 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4





#25

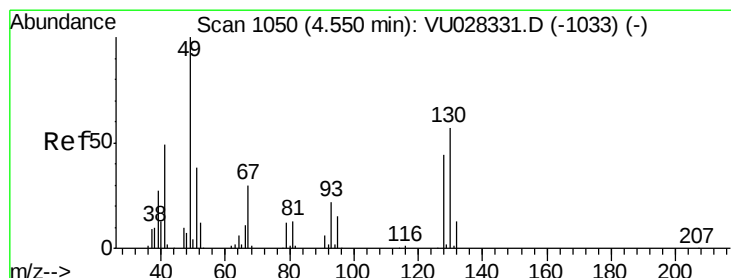
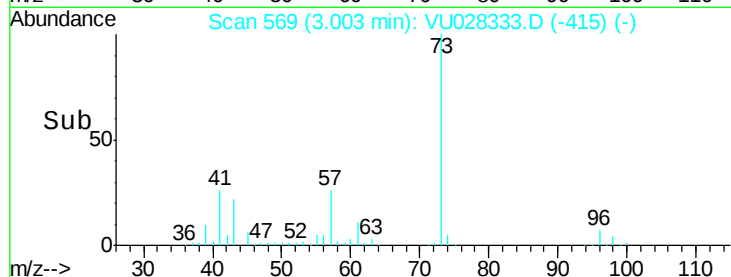
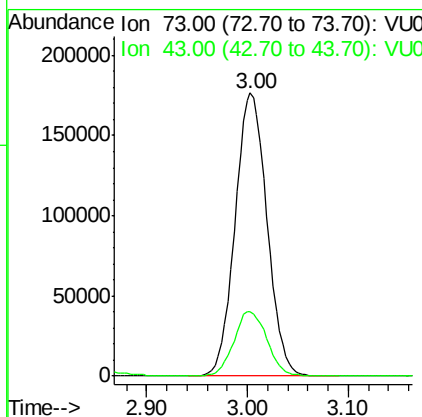
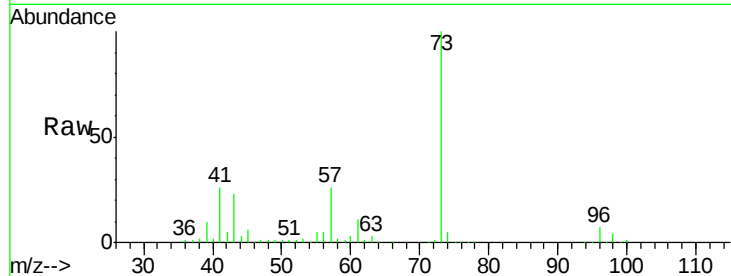
Methyl tert-Butyl Ether
Concen: 10.540 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.2	18.5	27.7

Manual Integrations
APPROVED

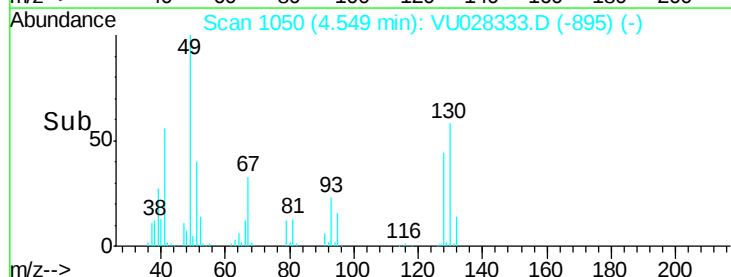
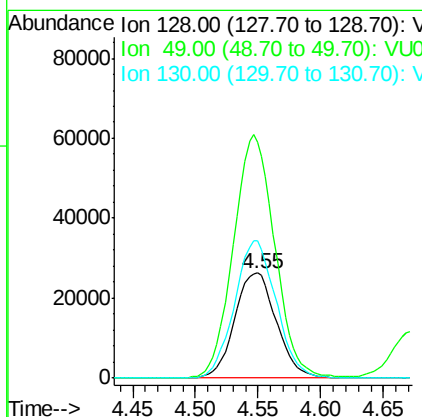
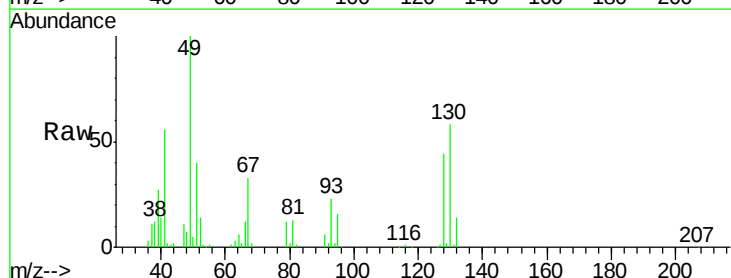
MMDadoda
11/30/2018 2:33:38 PM

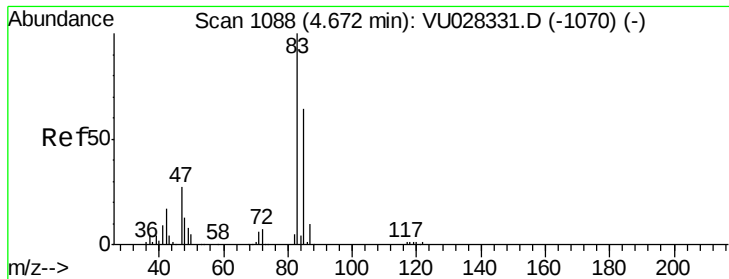


#26

Bromochloromethane
Concen: 9.866 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	229.3	0.0	457.6
130	130.3	101.4	152.2





#27

Chloroform

Concen: 9.957 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 83 Resp: 295954

Ion Ratio Lower Upper

83 100

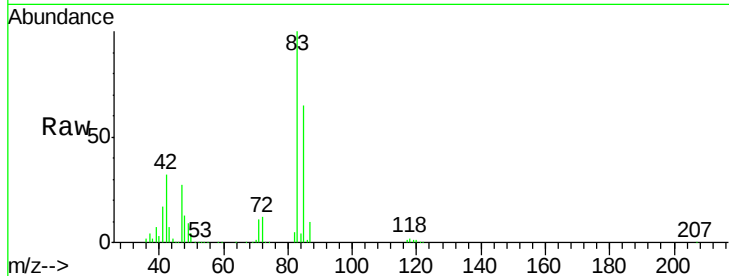
85 64.5 0.0 128.0

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 83.00 (82.70 to 83.70): VU028333.D (-933) (-)

Ion 85.00 (84.70 to 85.70): VU028333.D (-933) (-)

150000

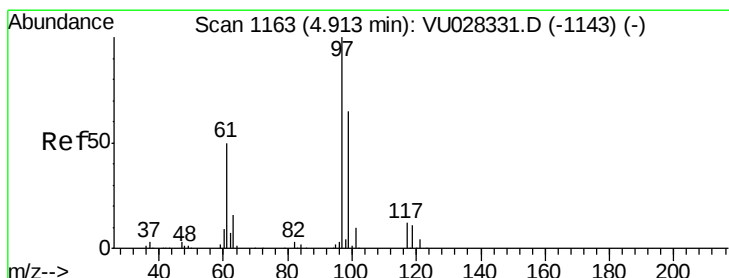
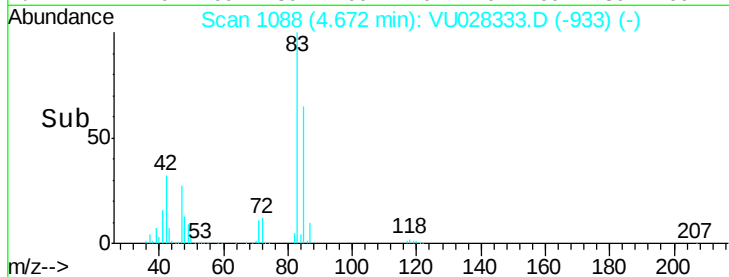
100000

50000

0

4.60 4.70 4.80

Time-->



#28

1,1,1-Trichloroethane

Concen: 10.581 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

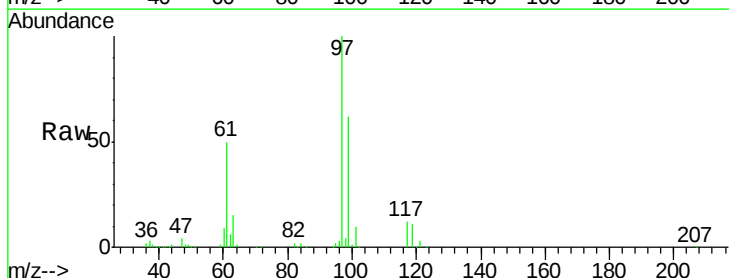
Tgt Ion: 97 Resp: 245616

Ion Ratio Lower Upper

97 100

99 63.4 32.2 96.6

61 49.3 24.9 74.7



Abundance Ion 97.00 (96.70 to 97.70): VU028333.D (-1008) (-)

Ion 99.00 (98.70 to 99.70): VU028333.D (-1008) (-)

Ion 61.00 (60.70 to 61.70): VU028333.D (-1008) (-)

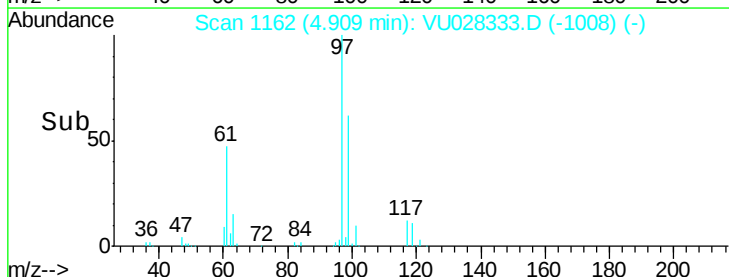
100000

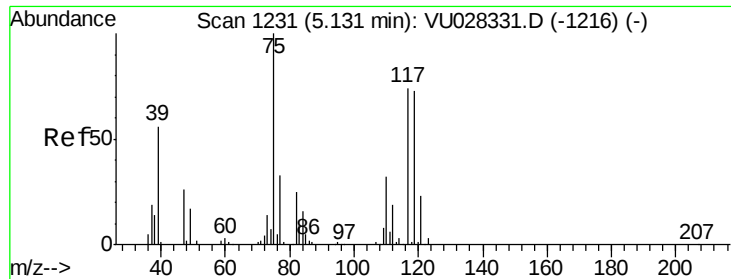
50000

0

4.80 4.90 5.00

Time-->





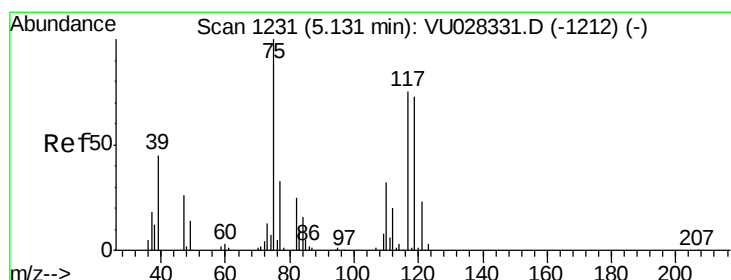
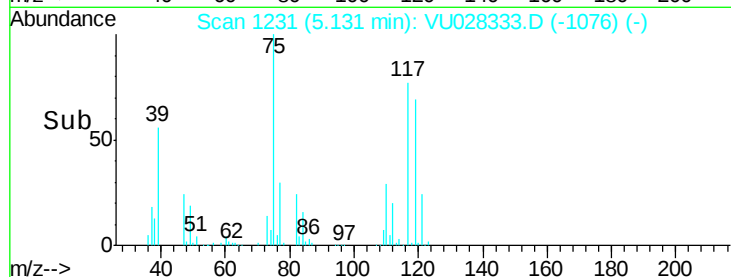
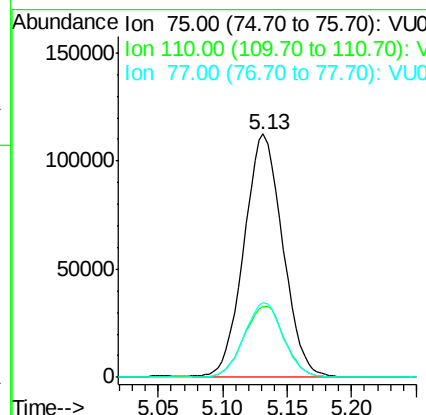
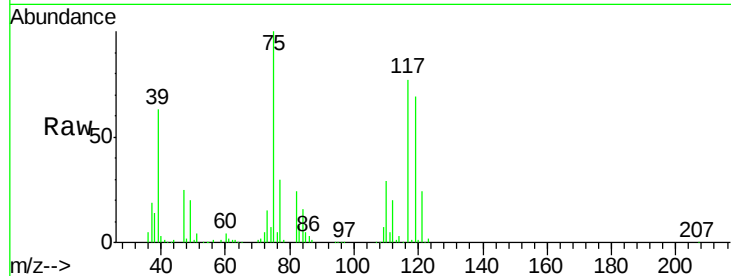
#29
 1,1-Dichloropropene
 Concen: 10.472 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	233184		
110	31.2	15.8	47.3	
77	31.5	25.4	38.0	

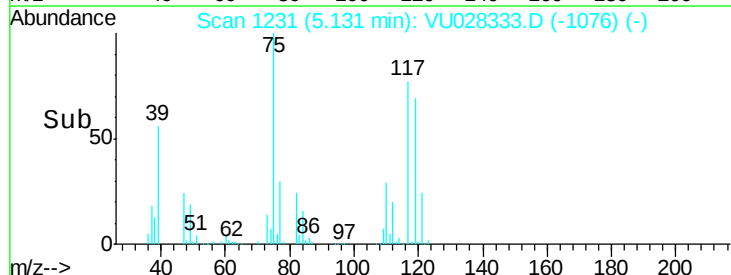
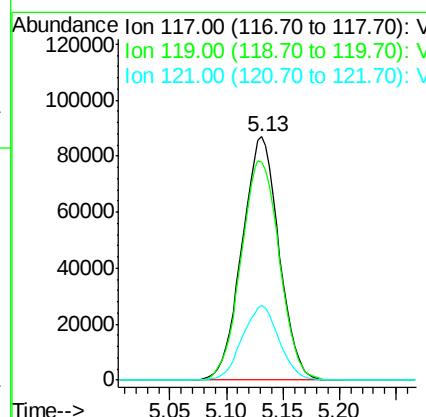
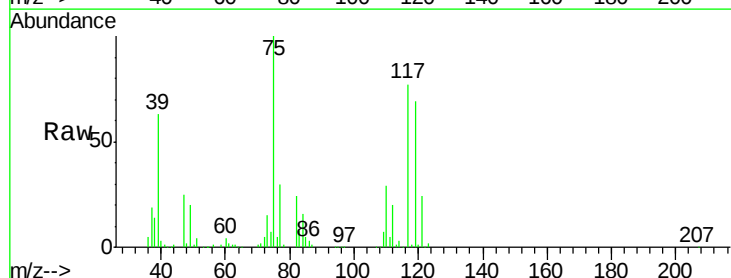
Manual Integrations
 APPROVED

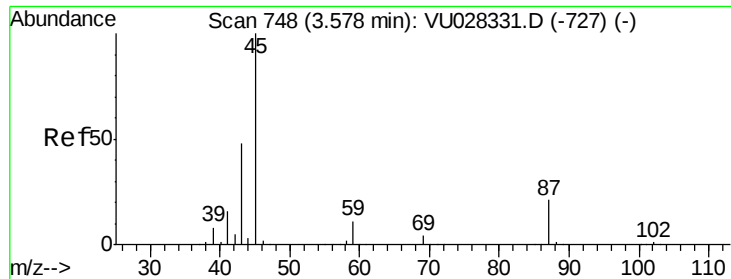
MMDadoda
 11/30/2018 2:33:38 PM



#30
 Carbon Tetrachloride
 Concen: 10.526 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	197317		
119	89.5	78.2	117.4	
121	30.5	24.7	37.1	





#31

Isopropyl Ether

Concen: 11.392 ug/l

RT: 3.58 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 45 Resp: 628798

Ion Ratio Lower Upper

45 100

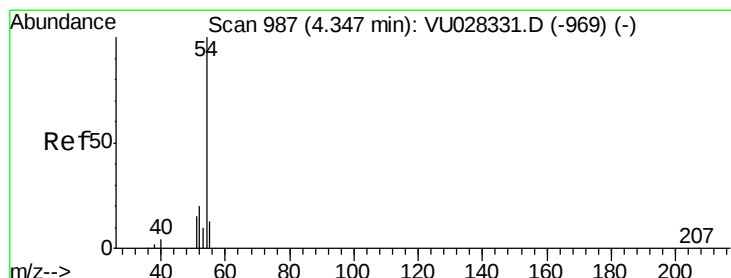
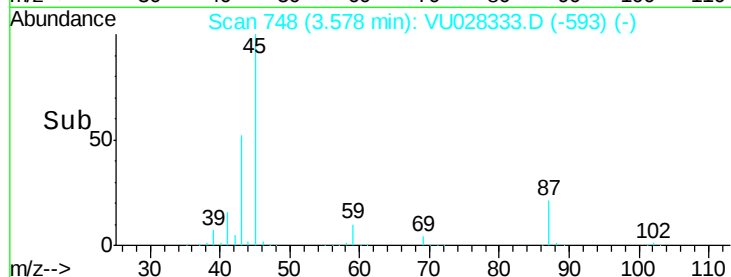
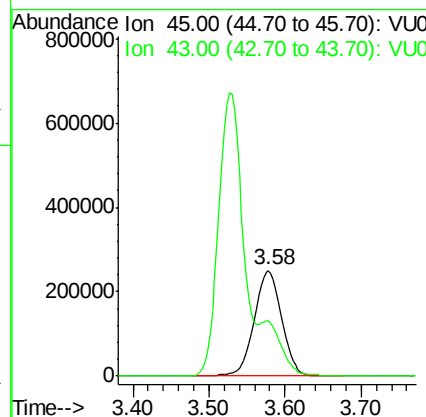
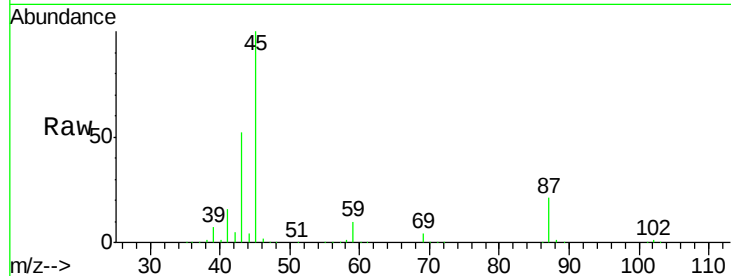
43 237.1 24.2 72.6#

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



#34

Propionitrile

Concen: 112.391 ug/l

RT: 4.34 min Scan# 985

Delta R.T. -0.01 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion: 54 Resp: 153850

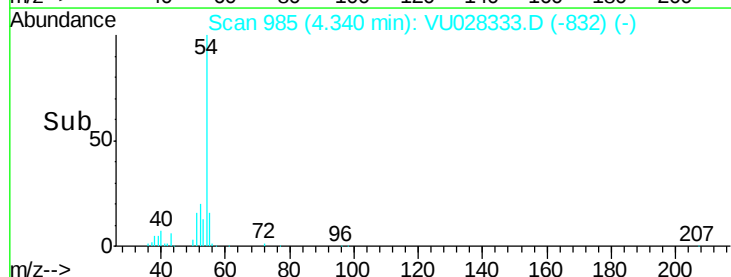
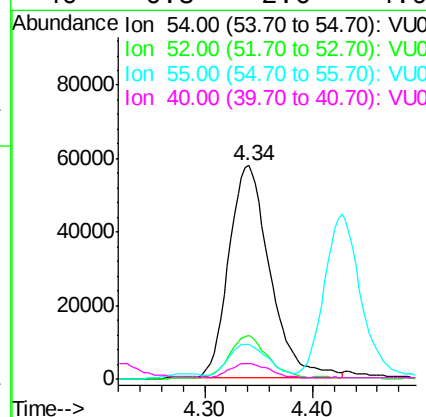
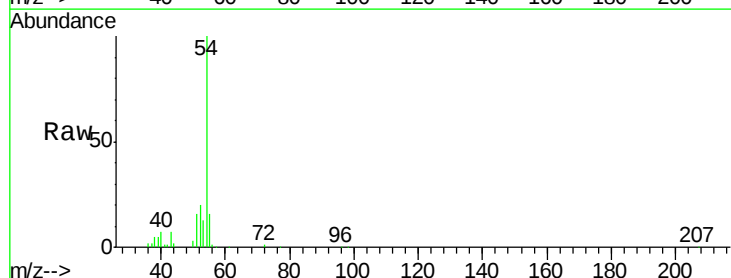
Ion Ratio Lower Upper

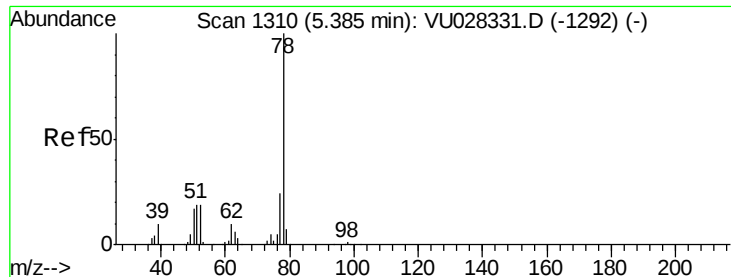
54 100

52 18.7 16.6 25.0

55 13.4 12.9 19.3

40 6.3 2.6 4.0#





#35

Benzene

Concen: 10.584 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 78 Resp: 693771

Ion Ratio Lower Upper

78 100

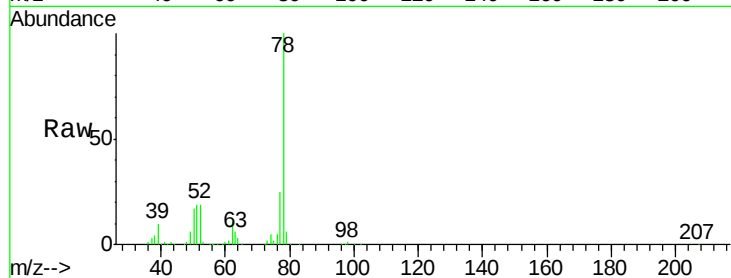
77 24.5 19.5 29.3

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

300000

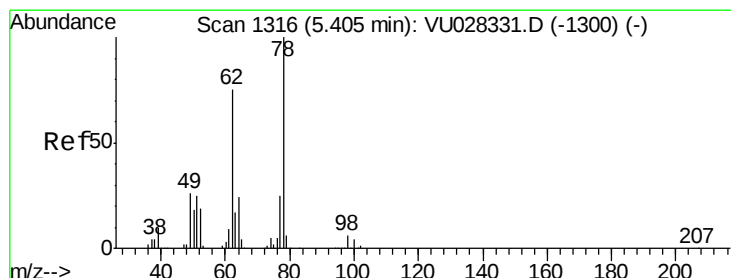
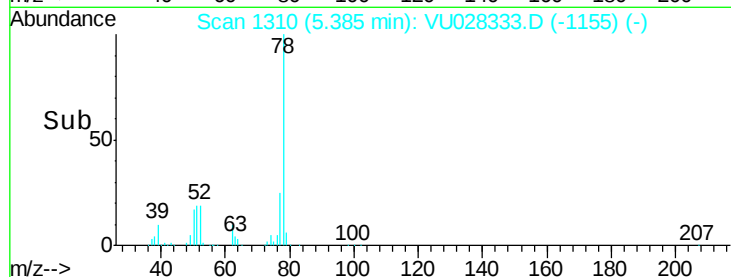
200000

100000

0

5.30 5.35 5.40 5.45 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 10.256 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028333.D

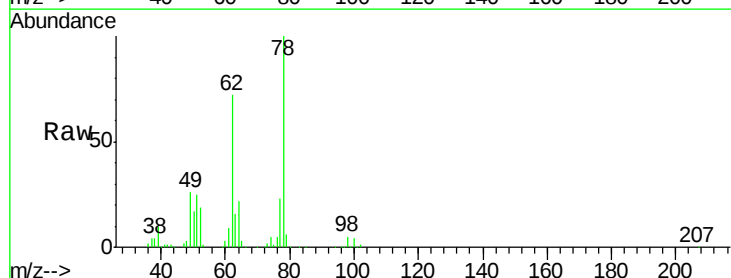
Acq: 26 Nov 2018 12:26

Tgt Ion: 62 Resp: 201078

Ion Ratio Lower Upper

62 100

98 7.8 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

100000

80000

60000

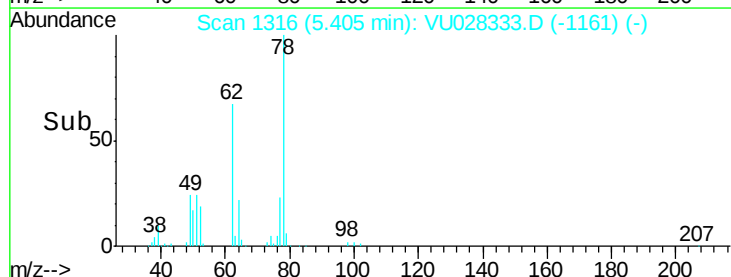
40000

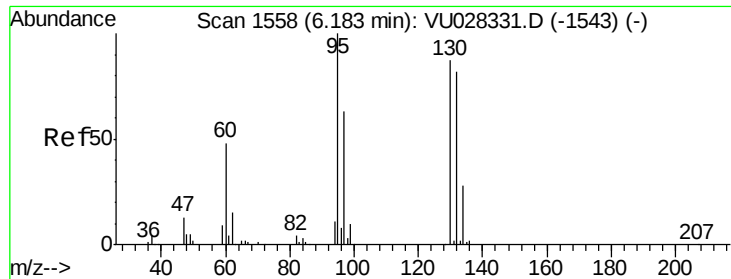
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->





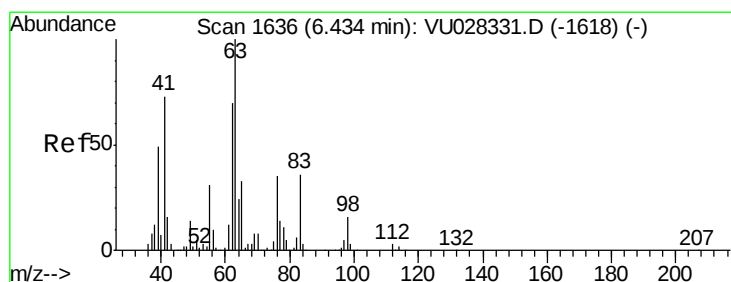
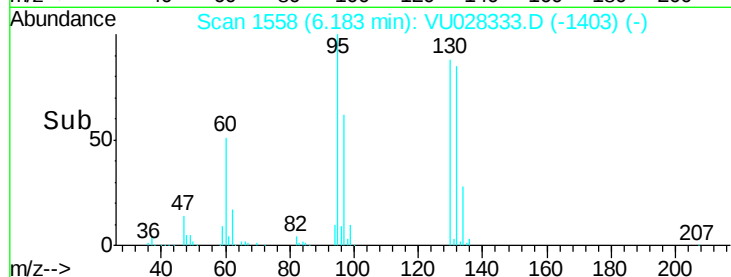
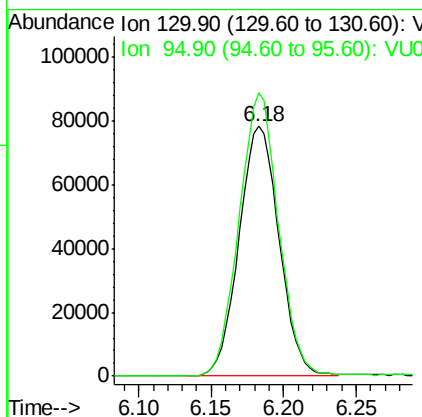
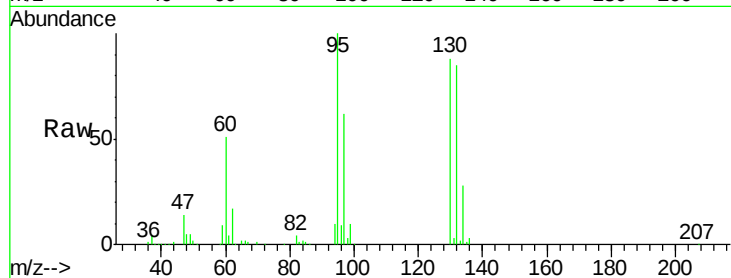
#37
 Trichloroethene
 Concen: 10.569 ug/l
 RT: 6.18 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion: 130 Resp: 150904
 Ion Ratio Lower Upper
 130 100
 95 113.5 91.5 137.3

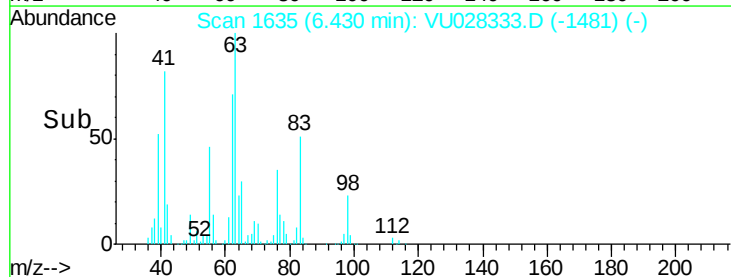
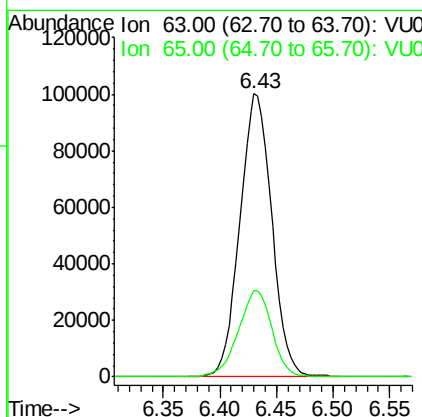
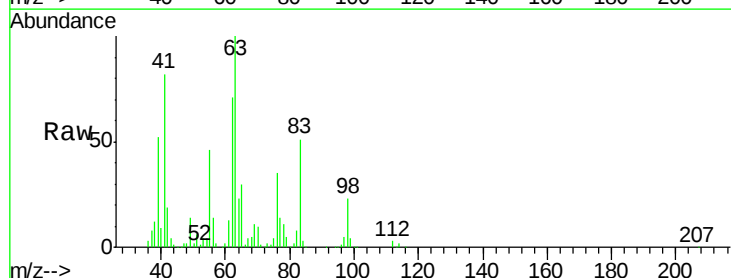
Manual Integrations
 APPROVED

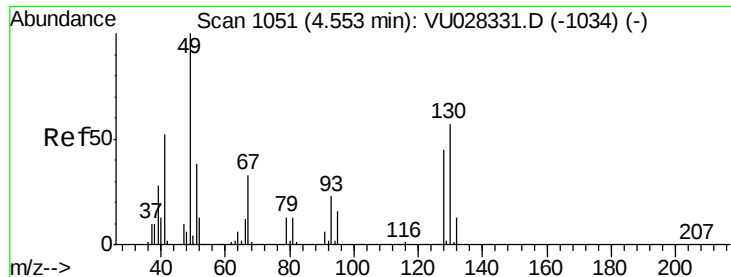
MMDadoda
 11/30/2018 2:33:38 PM



#38
 1,2-Dichloropropane
 Concen: 10.552 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion: 63 Resp: 197260
 Ion Ratio Lower Upper
 63 100
 65 30.3 26.2 39.4





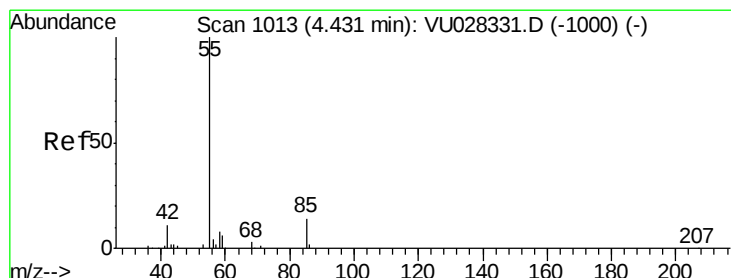
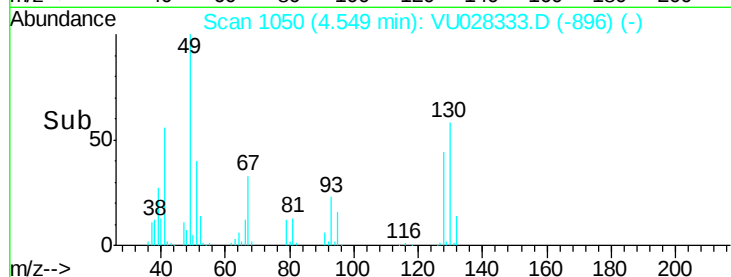
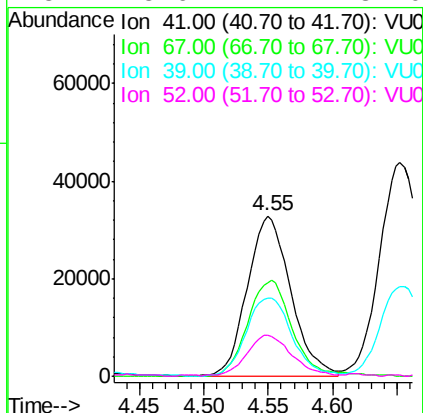
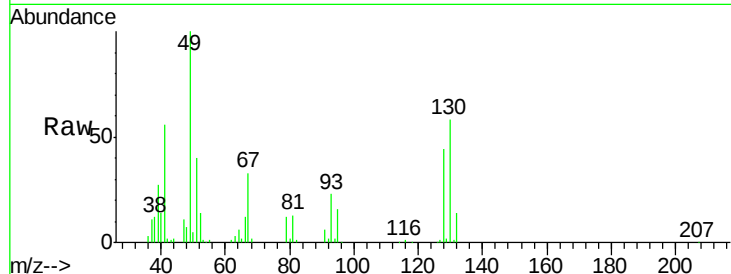
#39
Methacrylonitrile
Concen: 10.529 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
41	100		
67	61.3	48.2	72.4
39	51.9	42.9	64.3
52	25.6	21.4	32.0

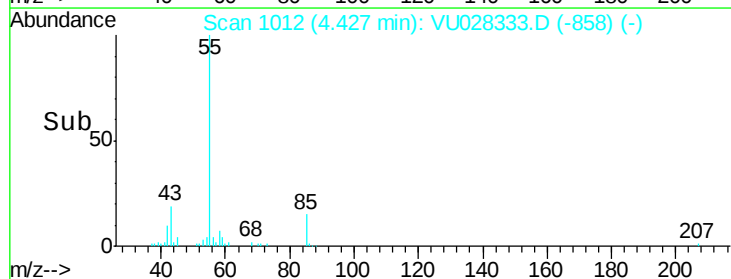
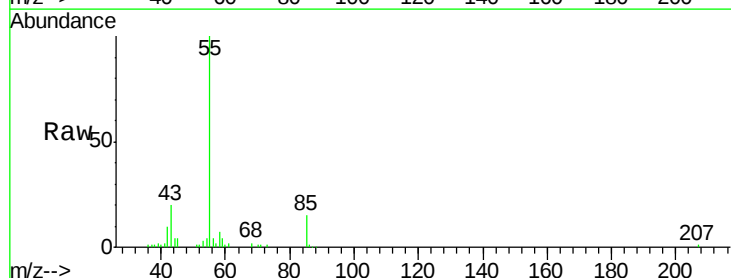
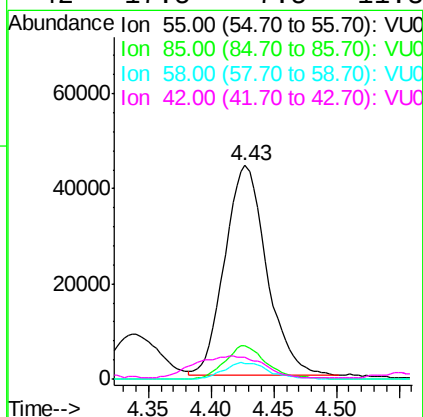
Manual Integrations
APPROVED

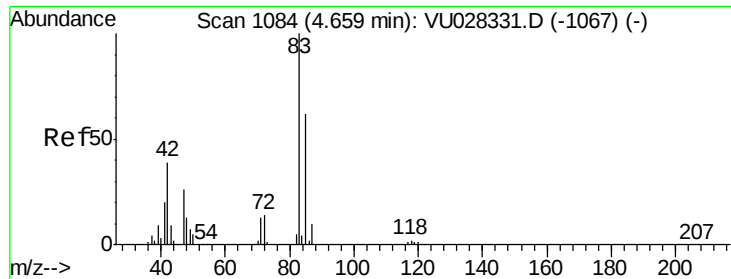
MMDadoda
11/30/2018 2:33:38 PM



#40
Methyl acrylate
Concen: 10.162 ug/l
RT: 4.43 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.8	10.9	16.3
58	8.4	6.4	9.6
42	17.5	7.5	11.3#





#41

Tetrahydrofuran

Concen: 53.132 ug/l

RT: 4.65 min Scan# 1082

Delta R.T. -0.01 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

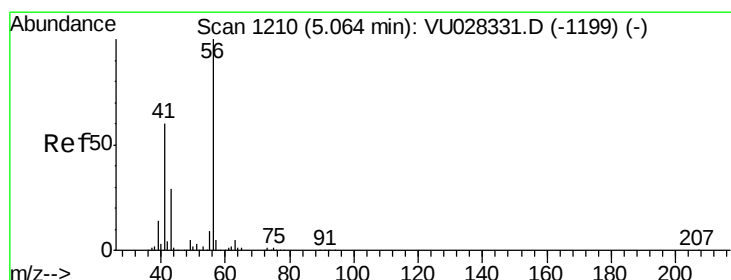
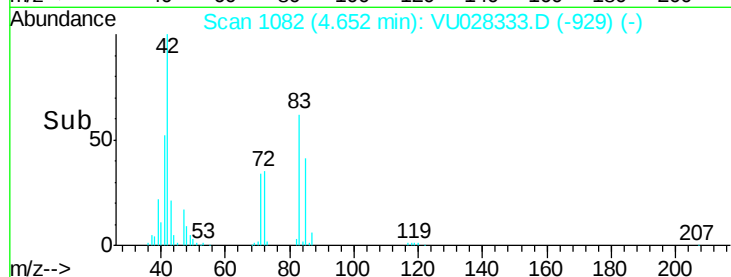
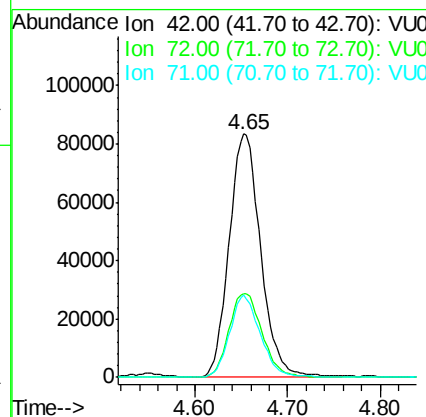
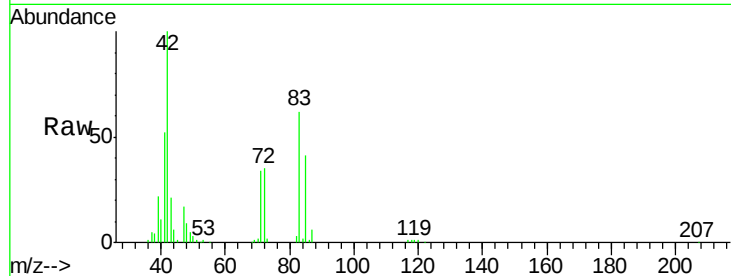
ClientSampleId :

ICVVU112618

Tgt Ion:	42	Resp:	195824
Ion Ratio		Lower	Upper
42	100		
72	36.5	29.8	44.6
71	32.7	25.9	38.9

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#42

1-Chlorobutane

Concen: 10.304 ug/l

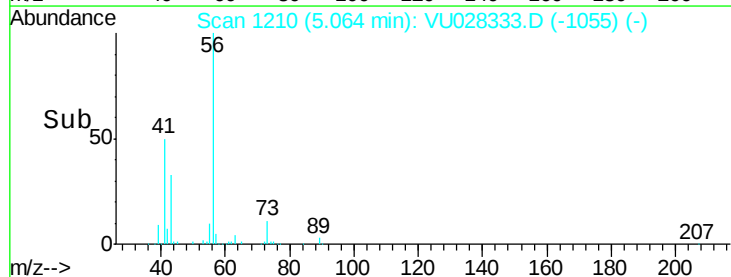
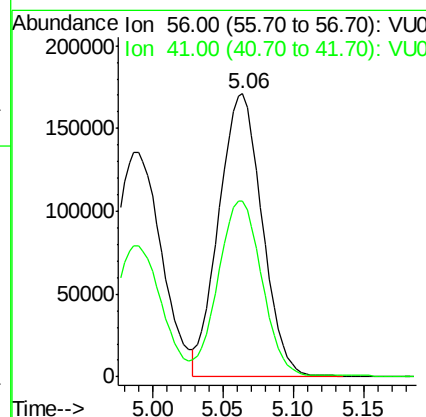
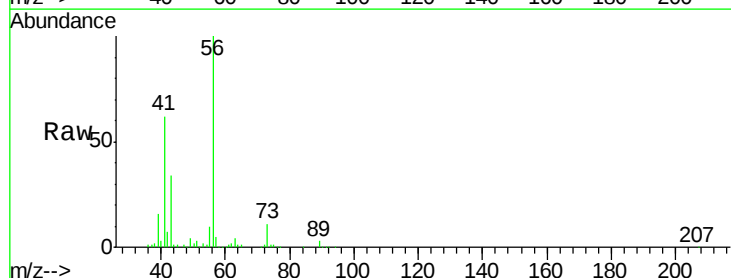
RT: 5.06 min Scan# 1210

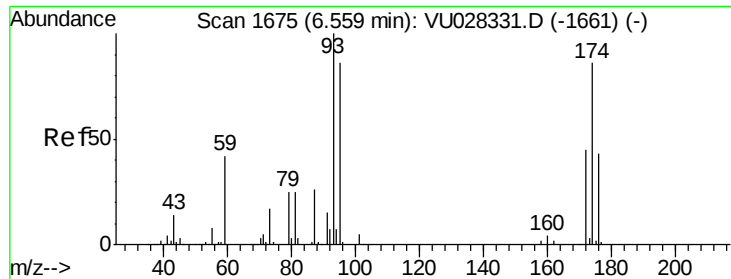
Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion:	56	Resp:	364740
Ion Ratio		Lower	Upper
56	100		
41	62.5	29.8	89.3





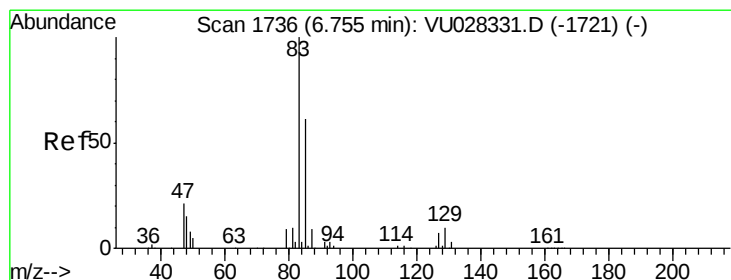
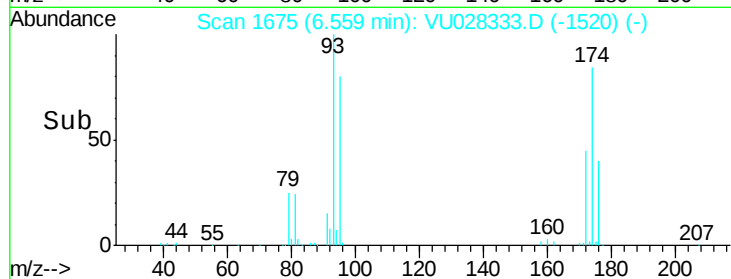
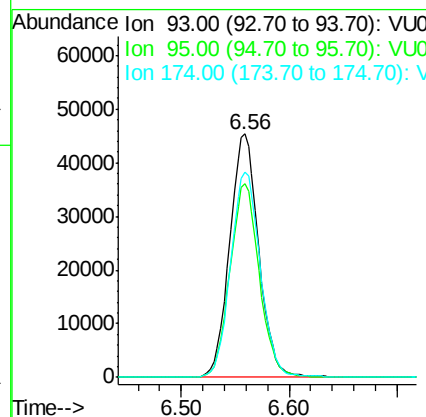
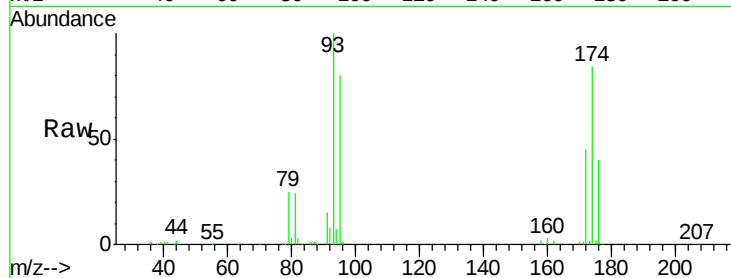
#43
Dibromomethane
Concen: 10.705 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.9	66.6	99.8
174	85.7	69.4	104.2

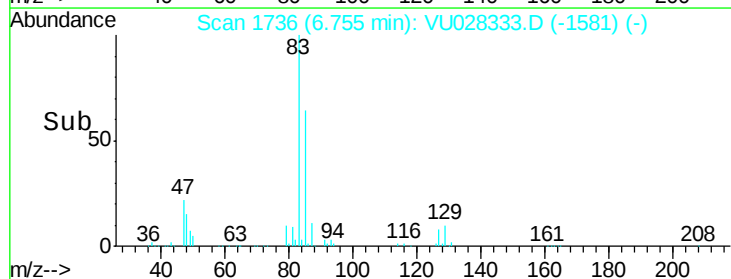
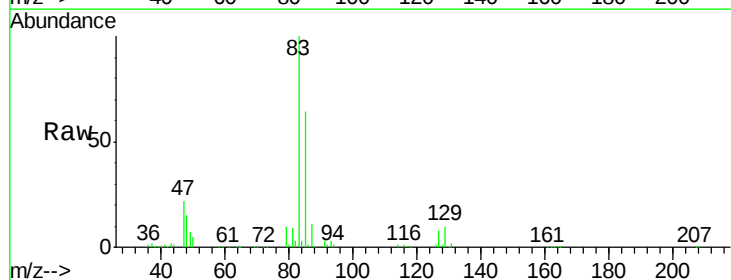
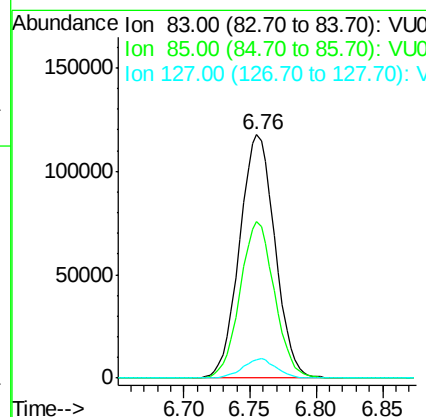
Manual Integrations
APPROVED

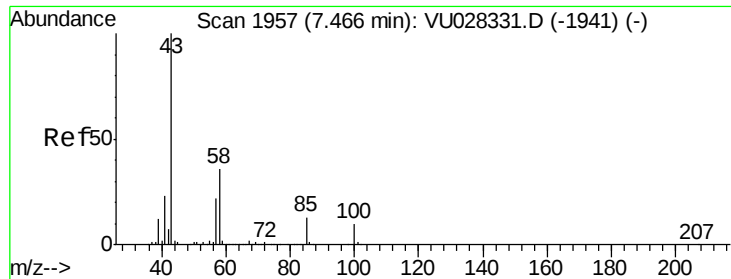
MMDadoda
11/30/2018 2:33:38 PM



#44
Bromodichloromethane
Concen: 10.392 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.0	73.6
127	7.7	5.7	8.5





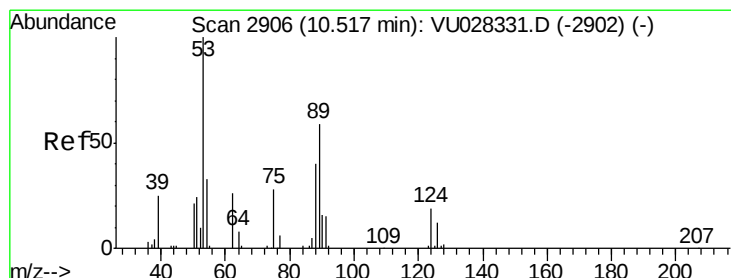
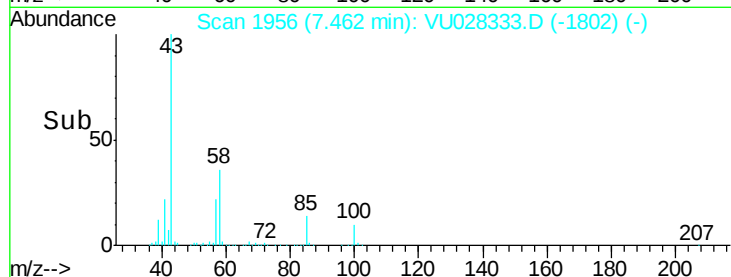
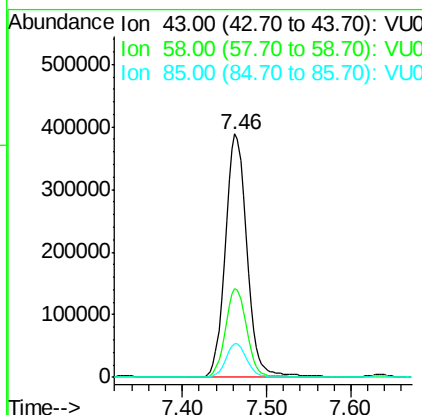
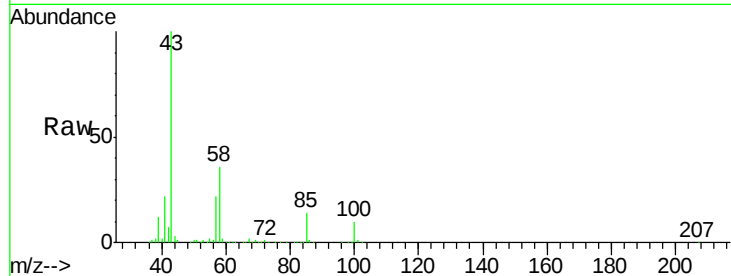
#45
 4-Methyl-2-Pentanone
 Concen: 54.465 ug/l
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	696200		
58	36.2		17.9	53.7
85	13.6		10.8	16.2

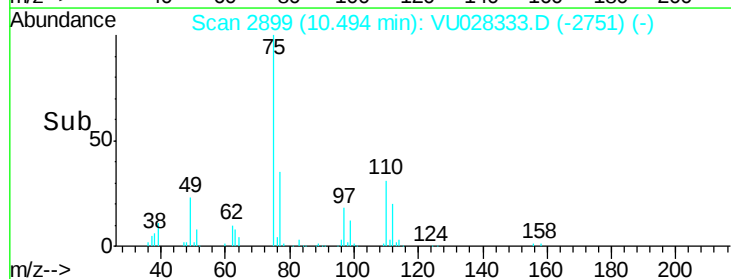
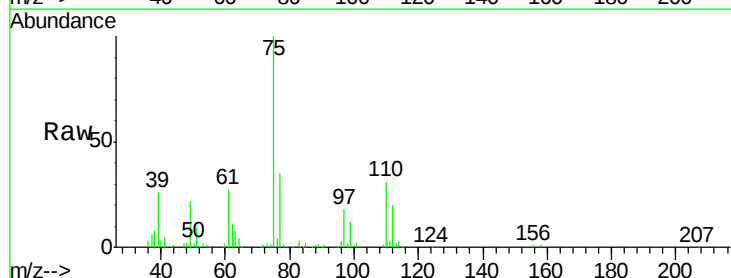
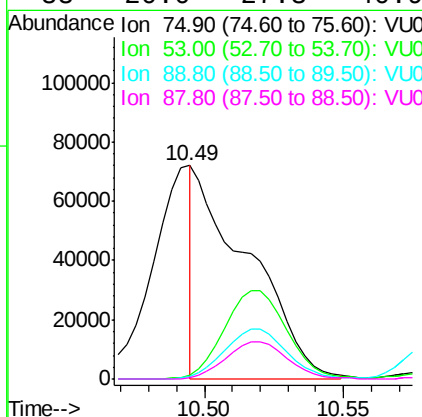
Manual Integrations
 APPROVED

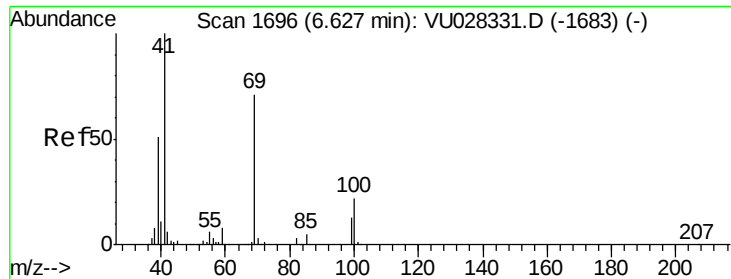
MMDadoda
 11/30/2018 2:33:38 PM



#46
 t-1,4-Dichloro-2-butene
 Concen: 20.862 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.02 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97535		
53	48.5		65.0	97.6#
89	27.1		38.6	58.0#
88	20.0		27.3	40.9#





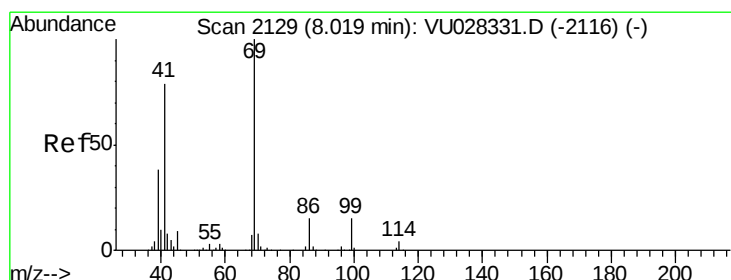
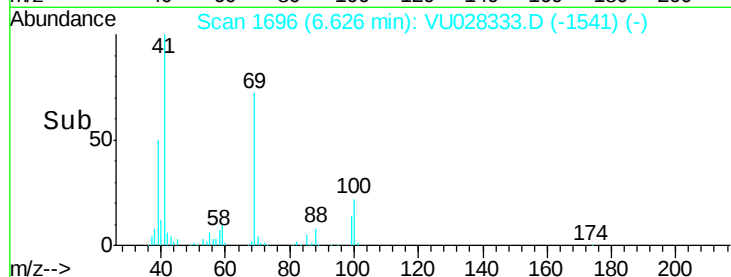
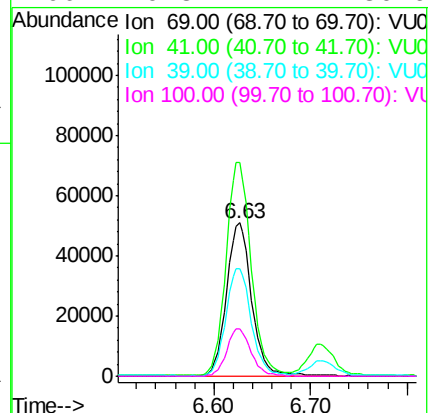
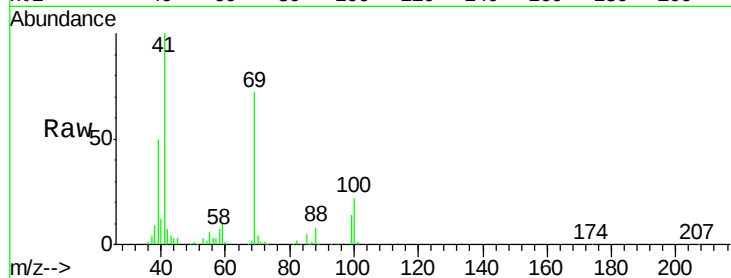
#47
Methyl methacrylate
Concen: 11.376 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
69	100		
41	137.4	0.0	277.2
39	70.0	57.6	86.4
100	29.8	24.4	36.6

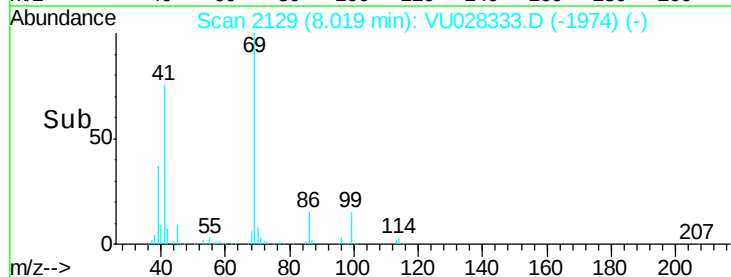
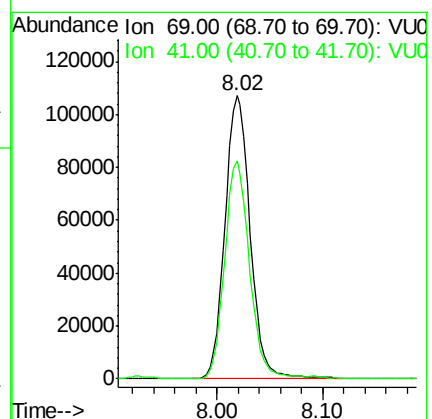
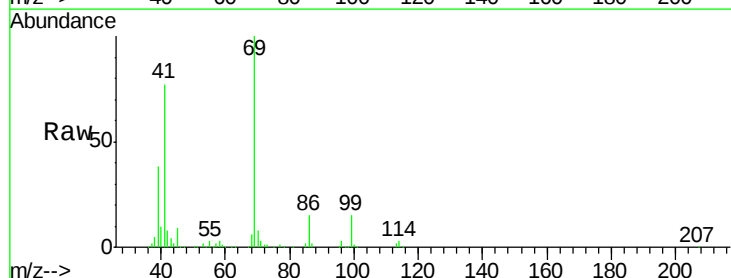
Manual Integrations
APPROVED

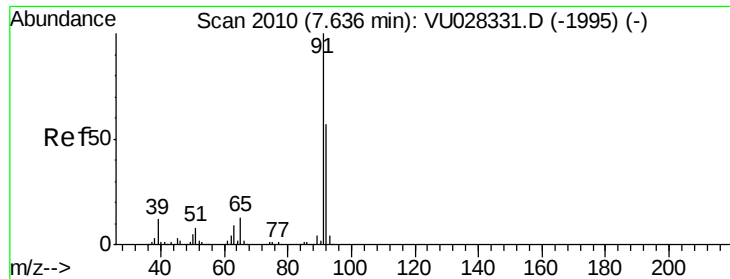
MMDadoda
11/30/2018 2:33:38 PM



#48
Ethyl methacrylate
Concen: 10.917 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.4	39.4	118.2





#49

Toluene

Concen: 10.922 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 92 Resp: 397612

Ion Ratio Lower Upper

92 100

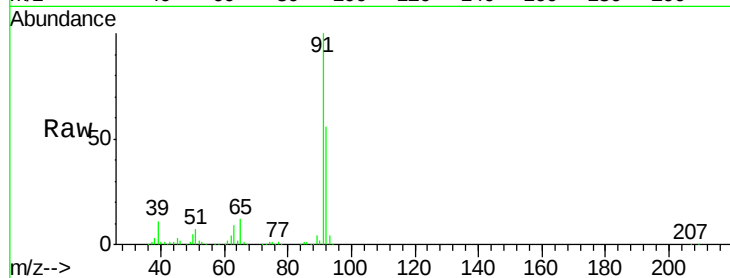
91 178.5 141.5 212.3

Manual Integrations

APPROVED

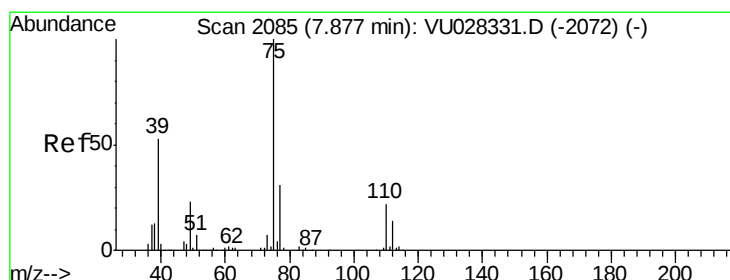
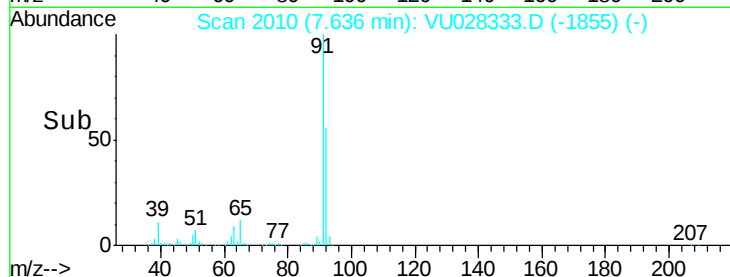
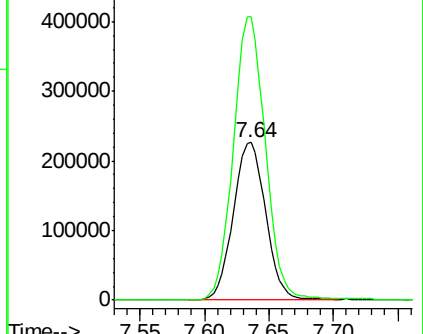
MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 11.301 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028333.D

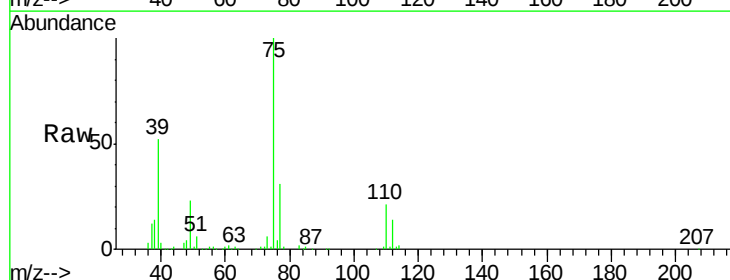
Acq: 26 Nov 2018 12:26

Tgt Ion: 75 Resp: 228099

Ion Ratio Lower Upper

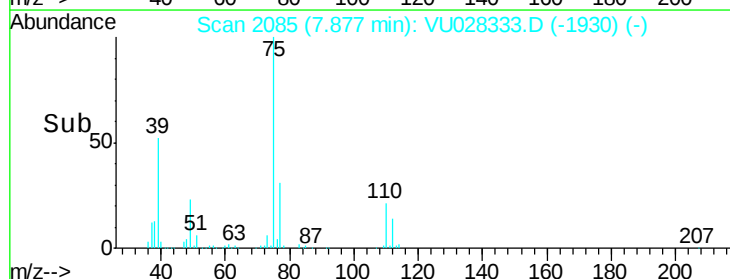
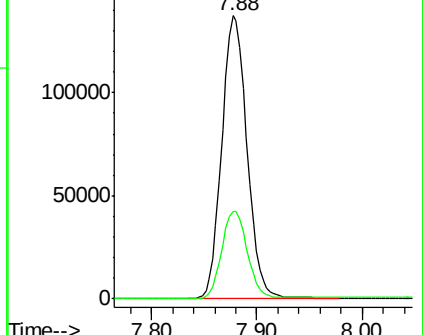
75 100

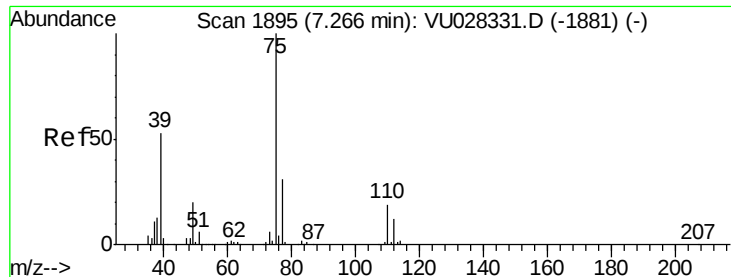
77 30.9 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





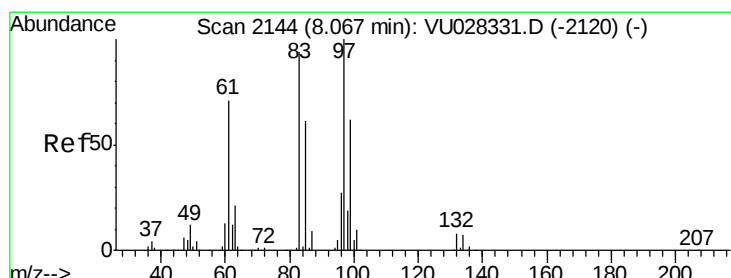
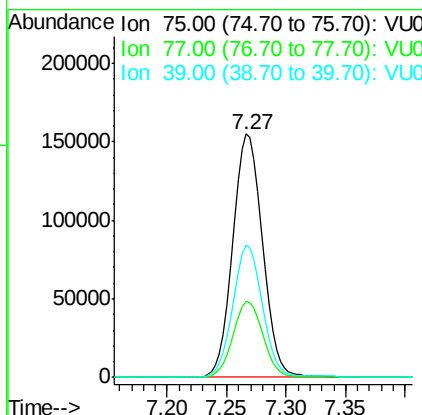
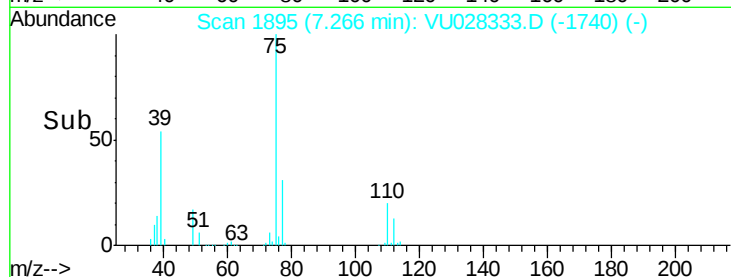
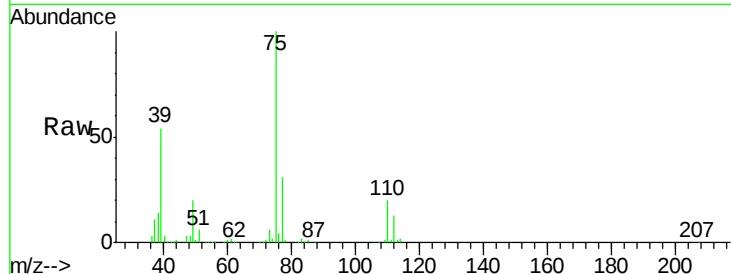
#51
 cis-1,3-Dichloropropene
 Concen: 10.821 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	269705		
77	31.1		24.4	36.6
39	54.3		42.8	64.2

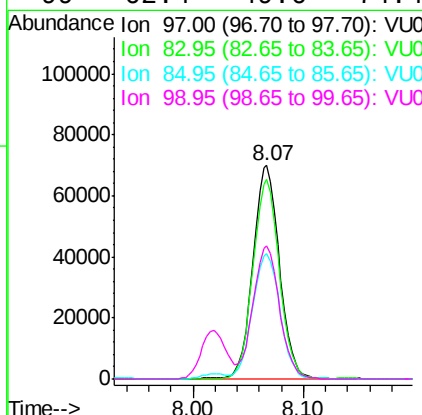
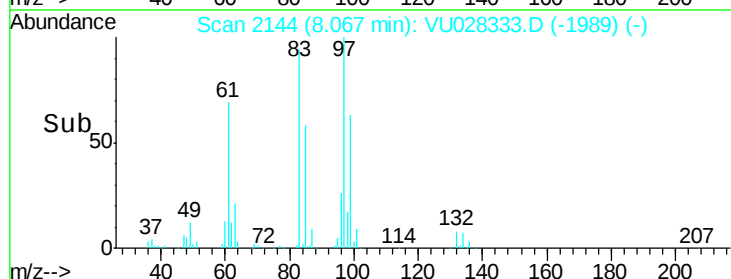
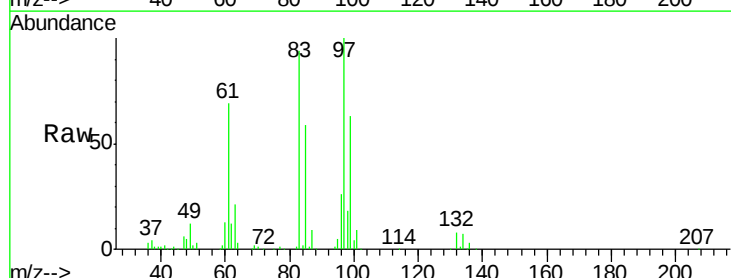
Manual Integrations
 APPROVED

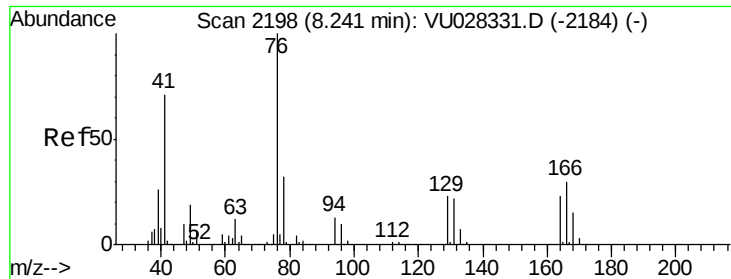
MMDadoda
 11/30/2018 2:33:38 PM



#52
 1,1,2-Trichloroethane
 Concen: 10.461 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	116881		
83	93.8		75.1	112.7
85	58.5		48.7	73.1
99	62.4		49.6	74.4





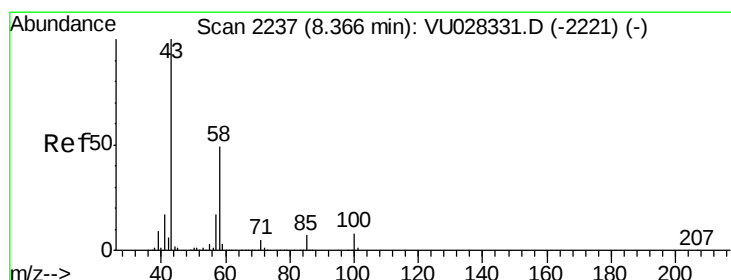
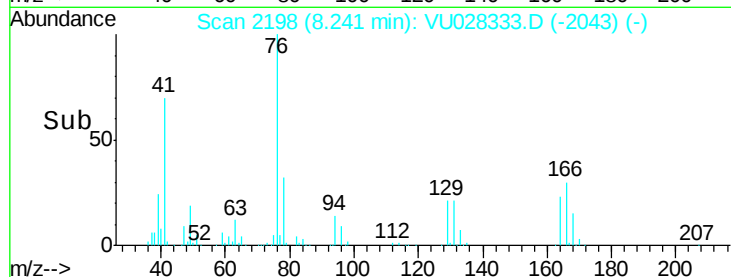
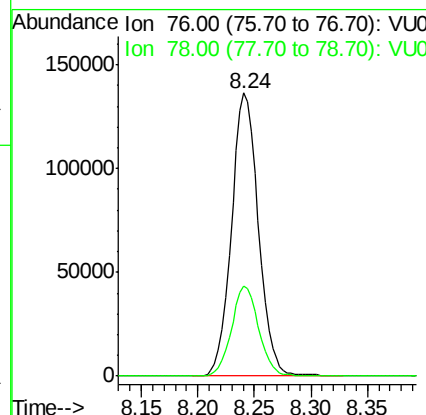
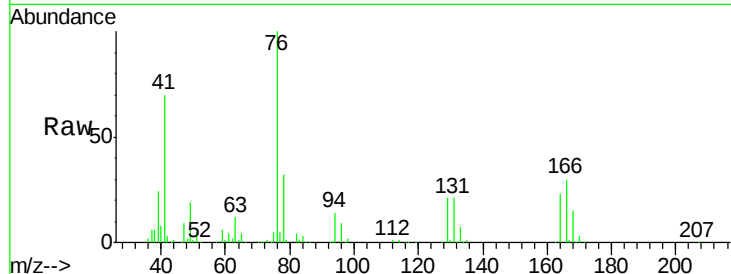
#53
 1,3-Dichloropropane
 Concen: 10.816 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion: 76 Resp: 225737
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

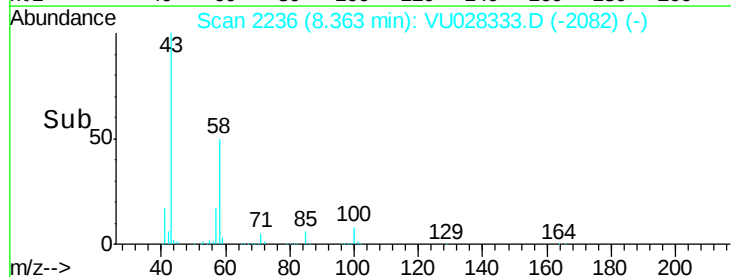
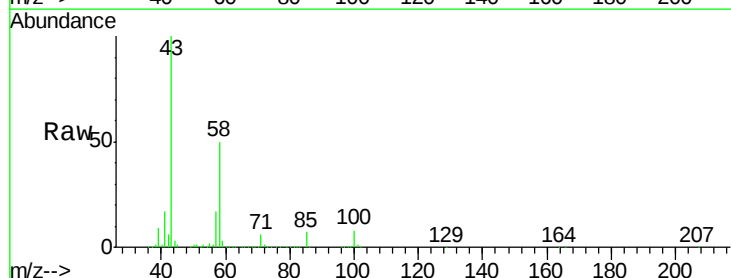
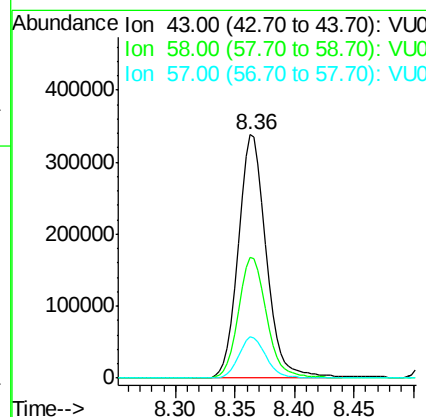
Manual Integrations
 APPROVED

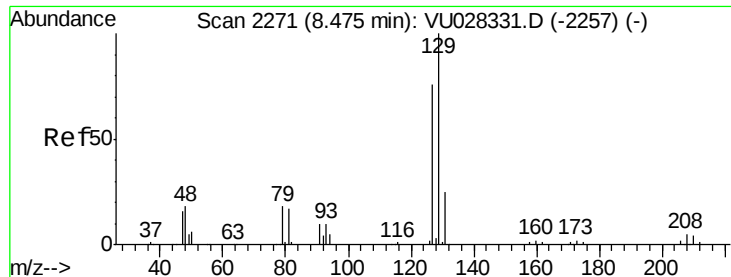
MMDadoda
 11/30/2018 2:33:38 PM



#54
 2-Hexanone
 Concen: 59.871 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion: 43 Resp: 550543
 Ion Ratio Lower Upper
 43 100
 58 50.2 29.3 69.3
 57 16.9 0.0 36.8





#55

Dibromochloromethane

Concen: 10.727 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion:129 Resp: 127482

Ion Ratio Lower Upper

129 100

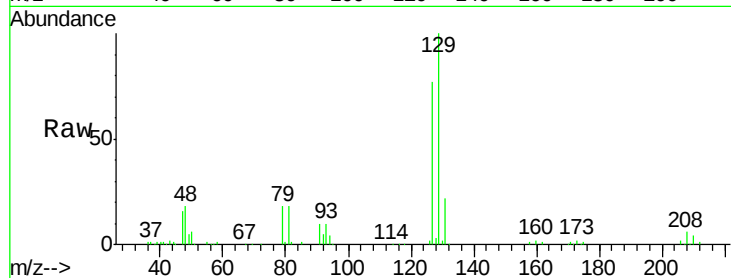
127 76.3 61.0 91.4

Manual Integrations

APPROVED

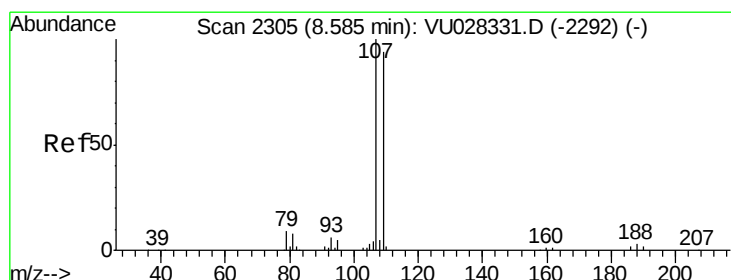
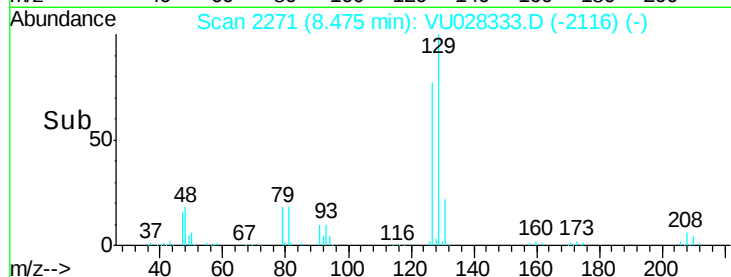
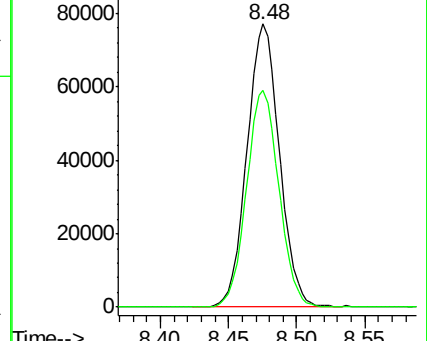
MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.738 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028333.D

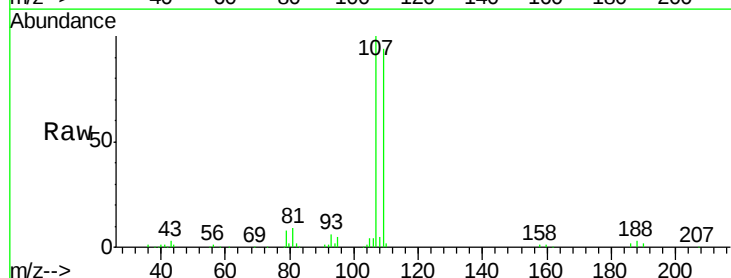
Acq: 26 Nov 2018 12:26

Tgt Ion:107 Resp: 109281

Ion Ratio Lower Upper

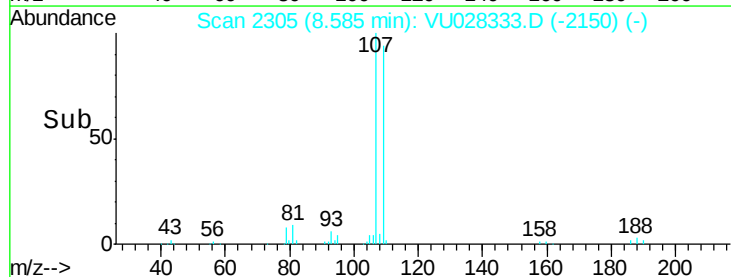
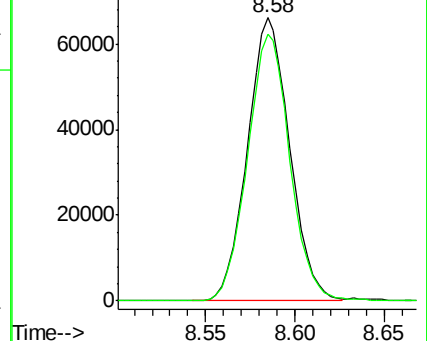
107 100

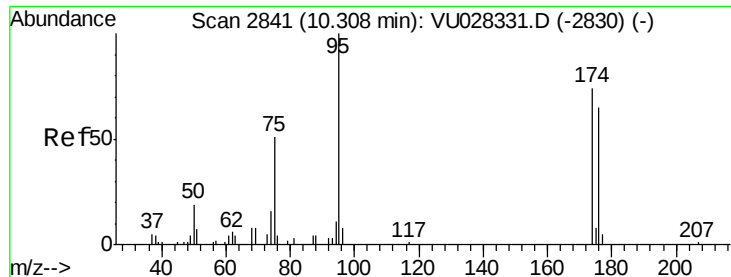
109 94.8 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 10.738 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

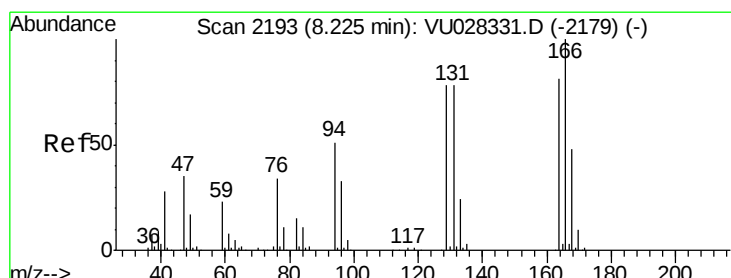
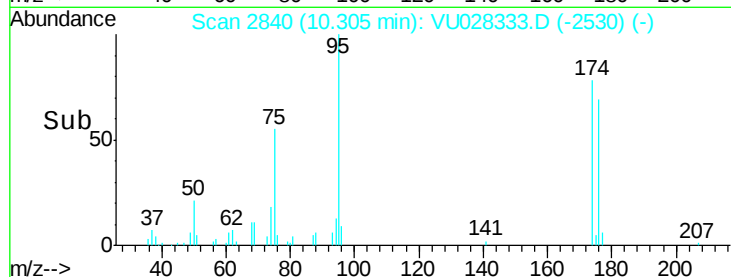
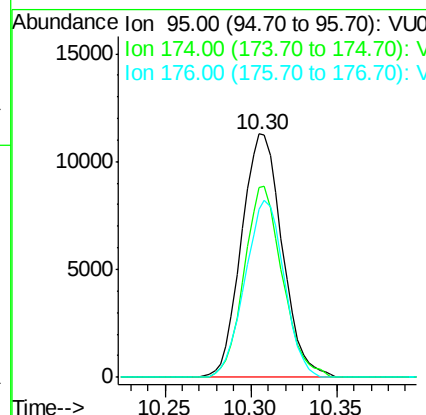
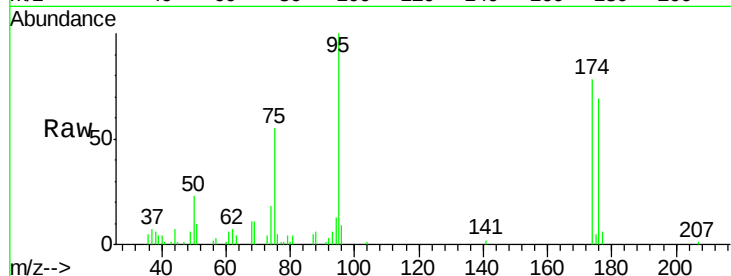
ClientSampleId :

ICVVU112618

Tgt Ion:	95	Resp:	18548
Ion Ratio	Lower	Upper	
95	100		
174	73.7	59.3	88.9
176	69.8	54.3	81.5

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#58

Tetrachloroethene

Concen: 10.287 ug/l

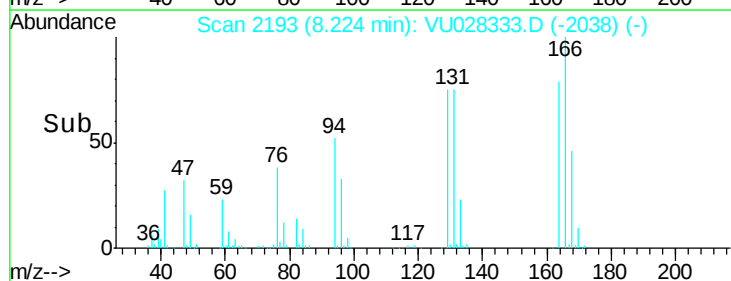
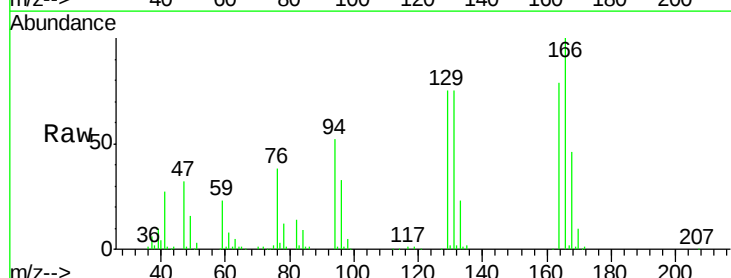
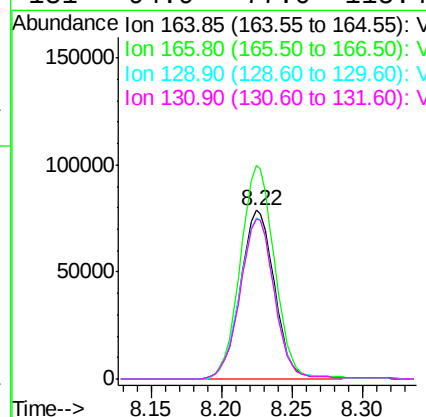
RT: 8.22 min Scan# 2193

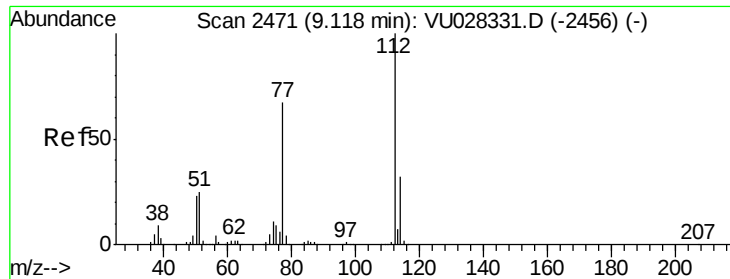
Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion:	164	Resp:	134482
Ion Ratio	Lower	Upper	
164	100		
166	126.7	98.6	148.0
129	95.6	77.0	115.4
131	94.9	77.0	115.4





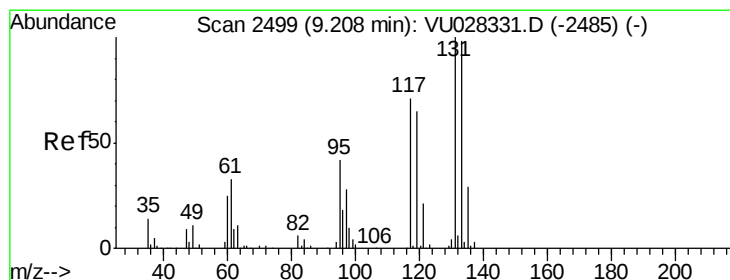
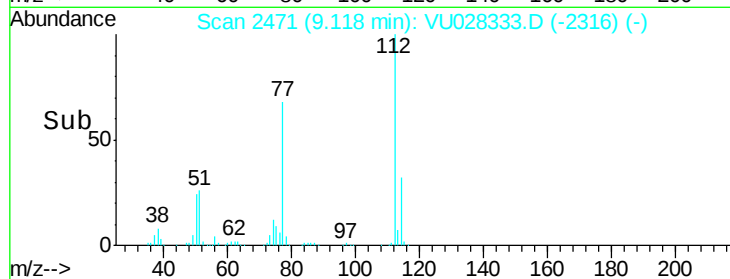
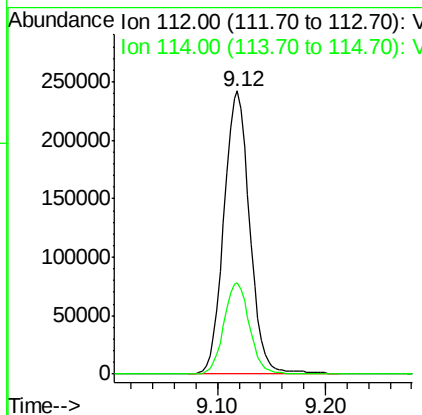
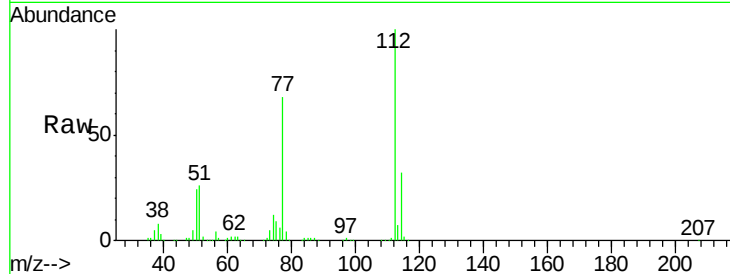
#59
Chlorobenzene
Concen: 10.687 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion:112 Resp: 404852
Ion Ratio Lower Upper
112 100
114 32.4 25.2 37.8

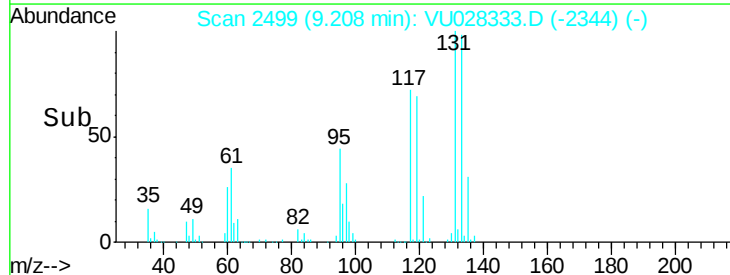
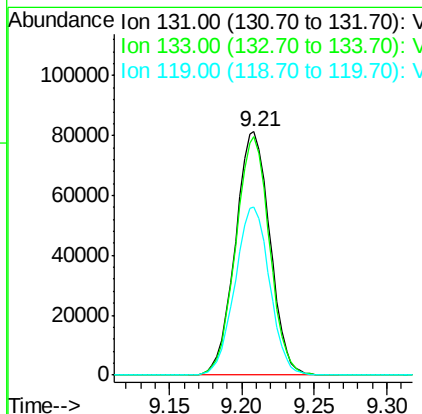
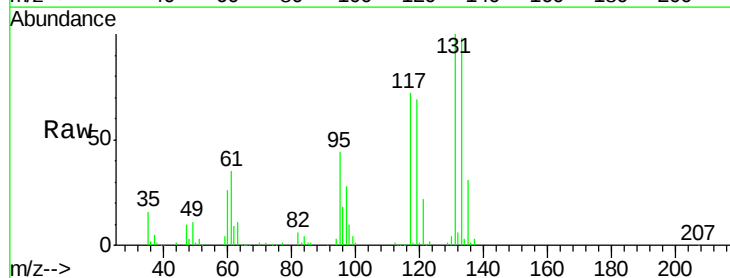
Manual Integrations
APPROVED

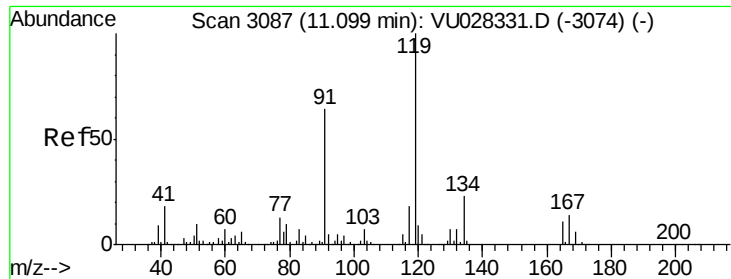
MMDadoda
11/30/2018 2:33:38 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.508 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion:131 Resp: 134905
Ion Ratio Lower Upper
131 100
133 95.6 77.7 116.5
119 69.1 54.3 81.5





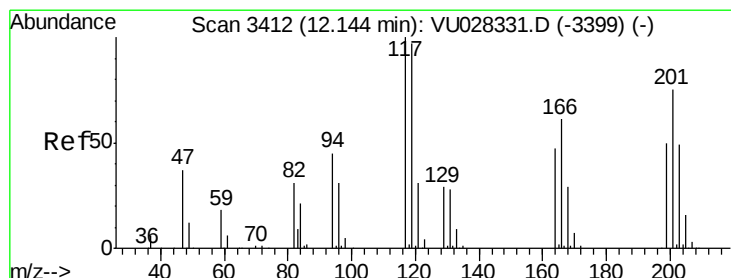
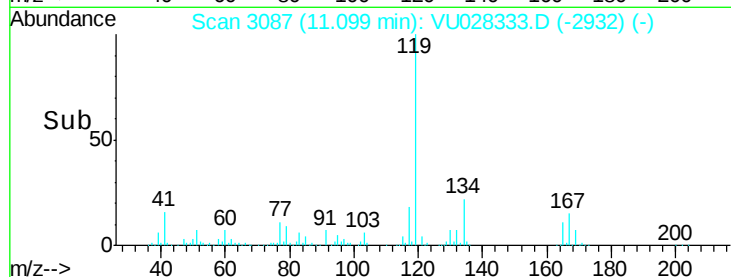
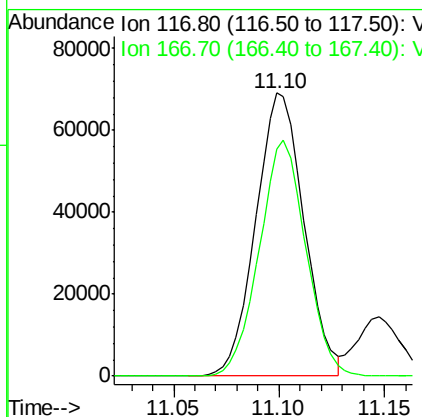
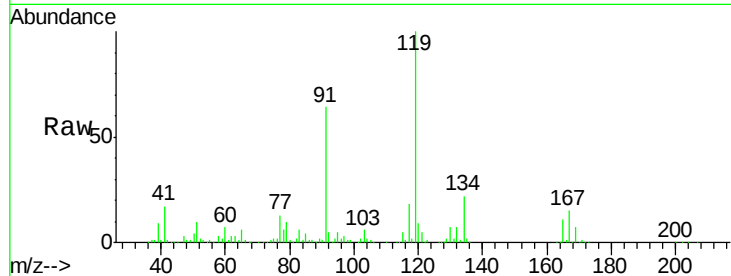
#61
 Pentachloroethane
 Concen: 11.012 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	110008		
167	80.5	64.2	96.2	

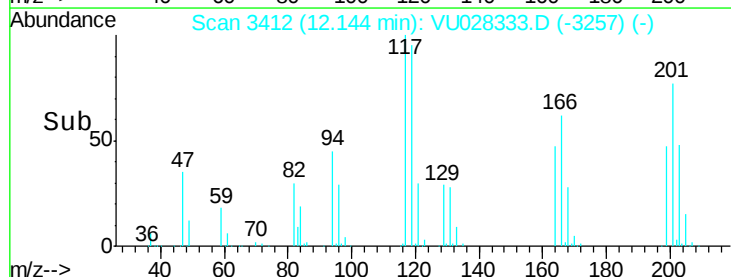
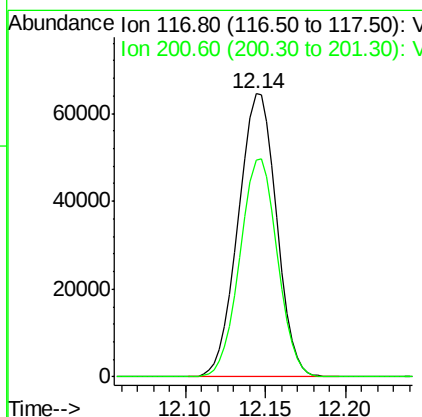
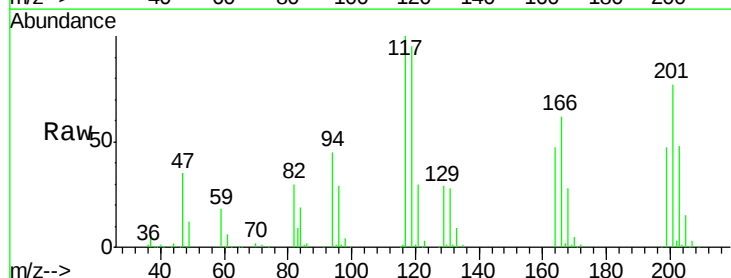
Manual Integrations
 APPROVED

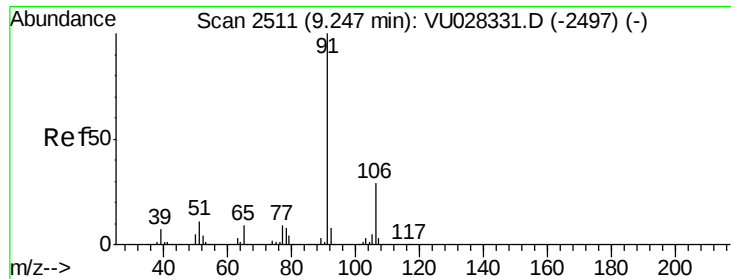
MMDadoda
 11/30/2018 2:33:38 PM



#62
 Hexachloroethane
 Concen: 11.217 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	105012		
201	75.6	59.4	89.2	





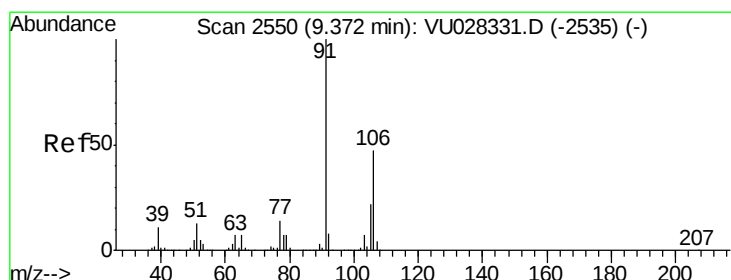
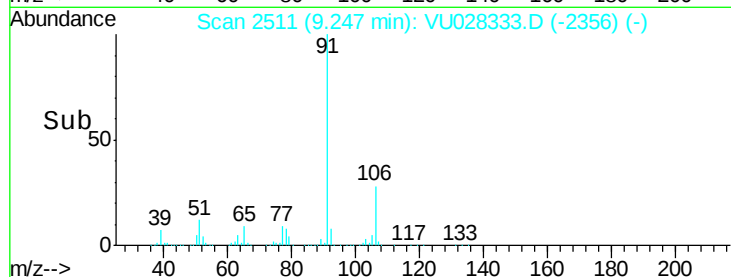
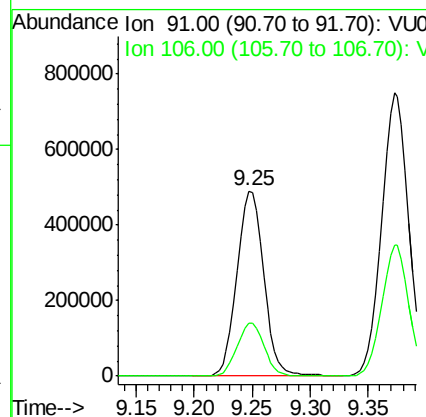
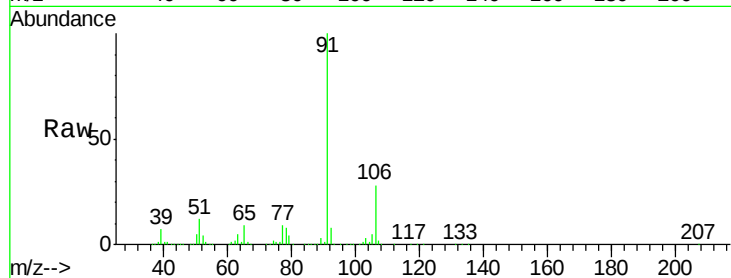
#63
Ethyl Benzene
Concen: 11.225 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion: 91 Resp: 784640
Ion Ratio Lower Upper
91 100
106 28.3 23.4 35.2

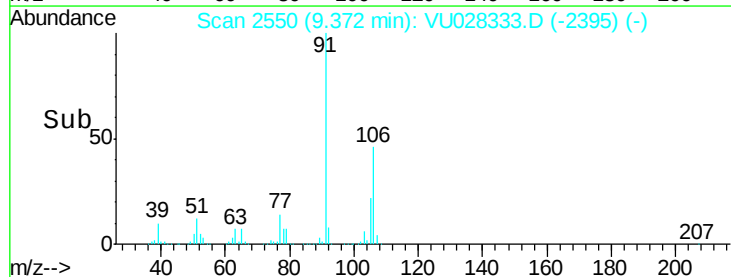
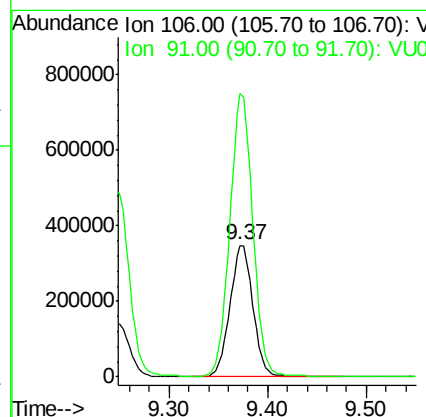
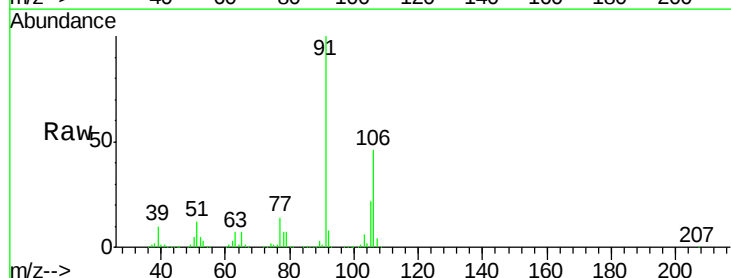
Manual Integrations
APPROVED

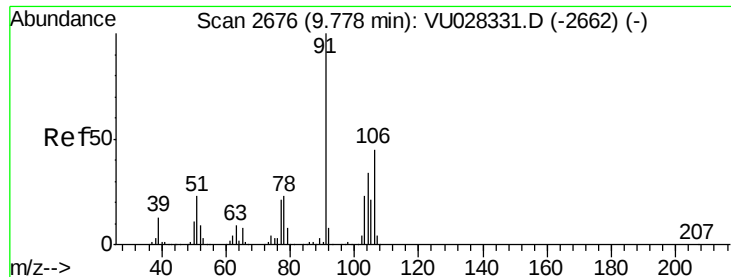
MMDadoda
11/30/2018 2:33:38 PM



#64
m/p-Xylenes
Concen: 22.465 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion: 106 Resp: 568276
Ion Ratio Lower Upper
106 100
91 215.6 170.6 256.0





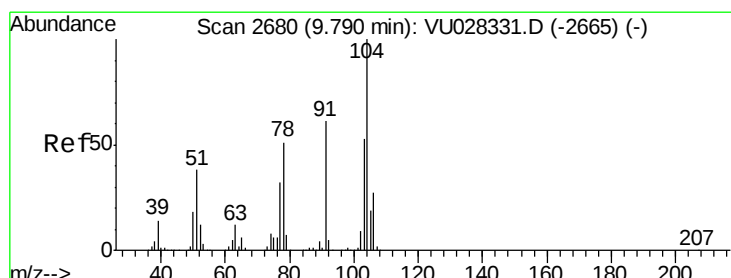
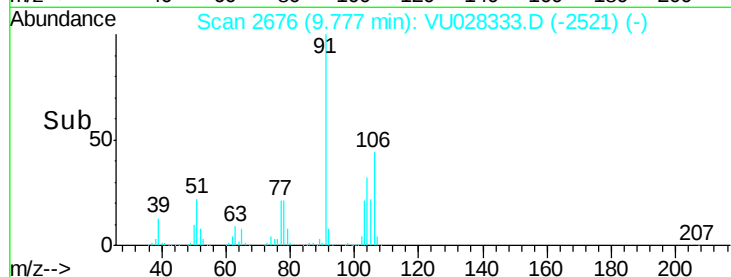
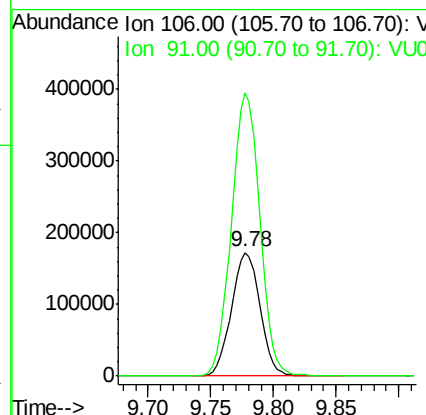
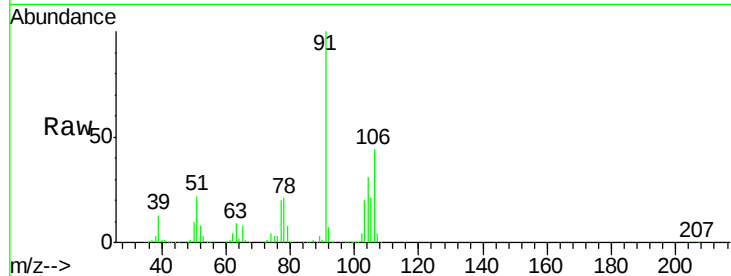
#65
o-Xylene
Concen: 11.195 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion:106 Resp: 273286
Ion Ratio Lower Upper
106 100
91 228.0 112.3 337.0

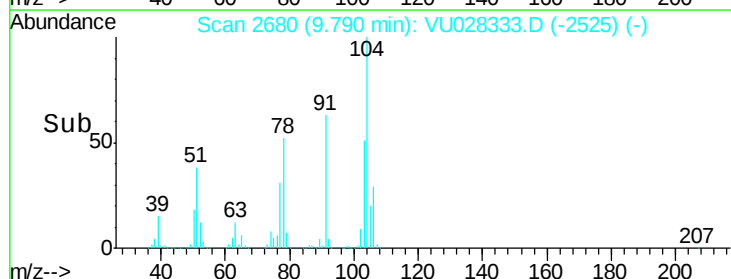
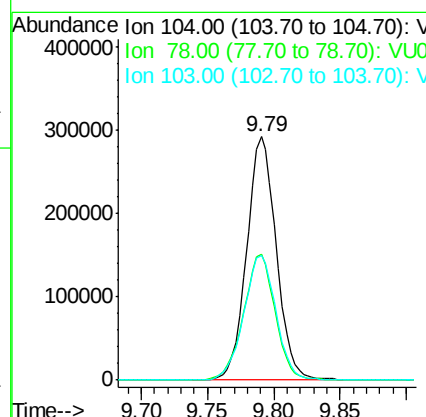
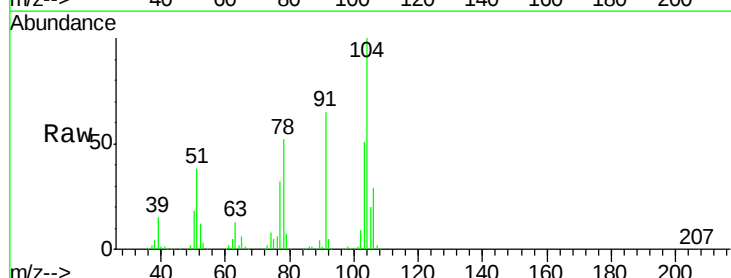
Manual Integrations
APPROVED

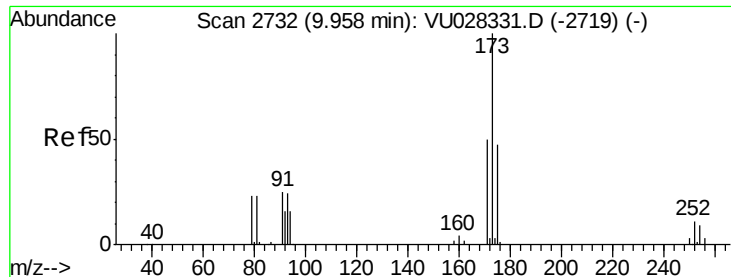
MMDadoda
11/30/2018 2:33:38 PM



#66
Styrene
Concen: 10.779 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion:104 Resp: 451341
Ion Ratio Lower Upper
104 100
78 55.7 44.0 66.0
103 56.0 45.2 67.8





#67

Bromoform

Concen: 10.524 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

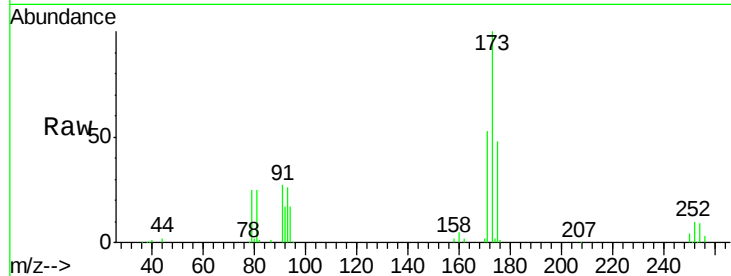
ClientSampleId :

ICVVU112618

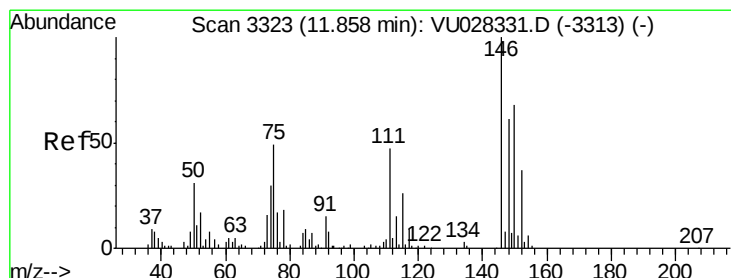
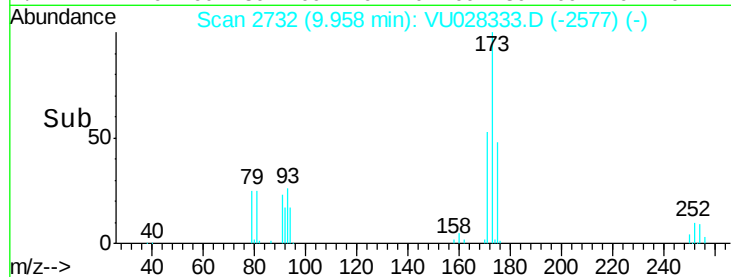
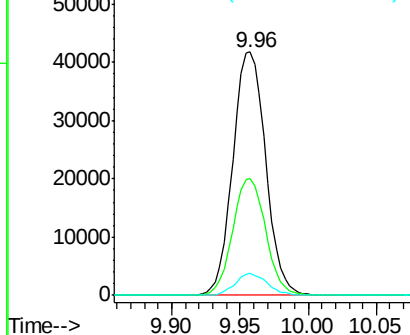
Tgt Ion:	173	Resp:	70096
Ion Ratio	Lower	Upper	
173	100		
175	48.1	39.0	58.6
254	8.8	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 10.524 ug/l

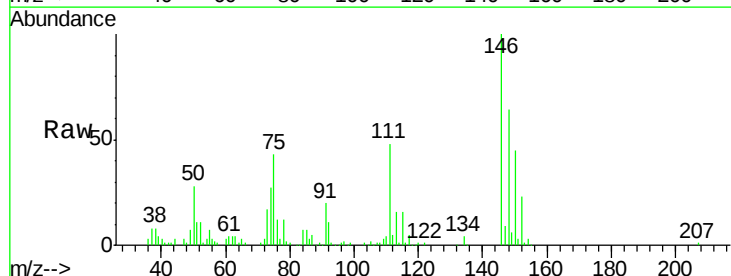
RT: 11.86 min Scan# 3324

Delta R.T. 0.00 min

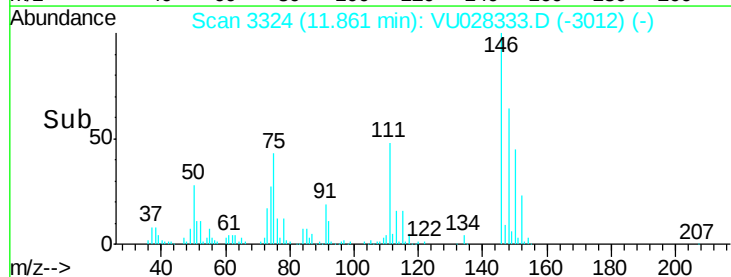
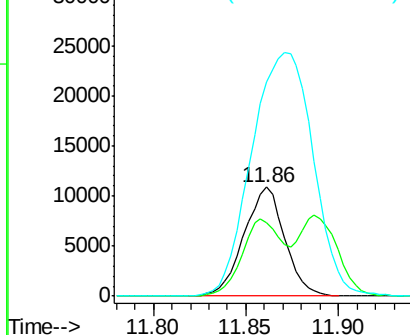
Lab File: VU028333.D

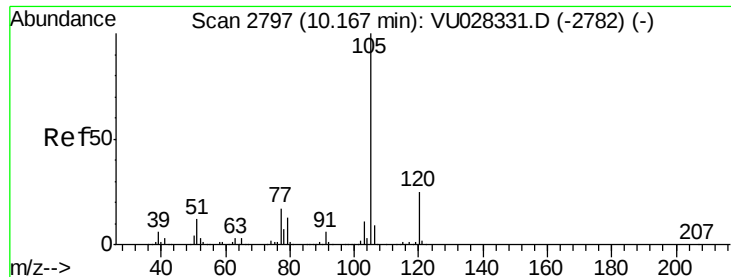
Acq: 26 Nov 2018 12:26

Tgt Ion:	152	Resp:	16608
Ion Ratio	Lower	Upper	
152	100		
115	71.5	0.0	146.8
150	337.7	0.0	653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.384 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion: 105 Resp: 744120

Ion Ratio Lower Upper

105 100

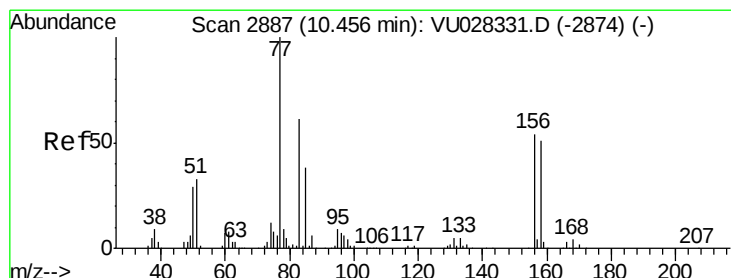
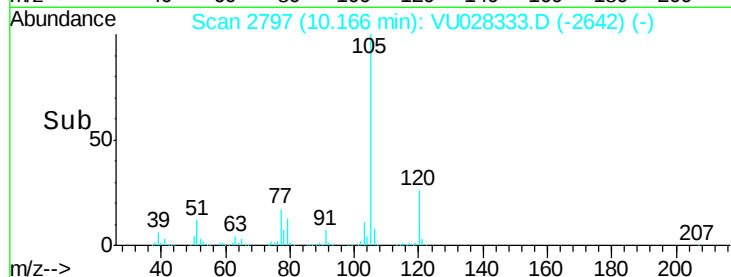
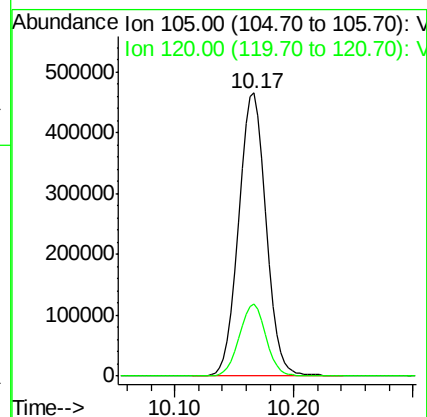
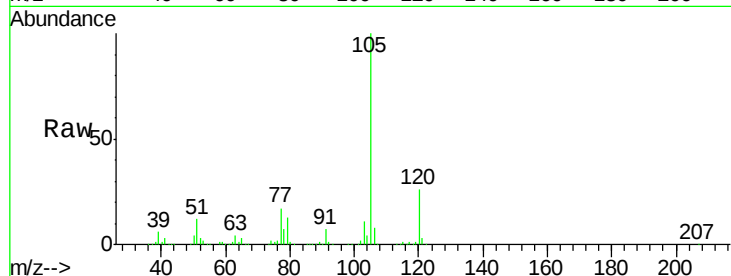
120 25.0 12.6 37.6

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 10.494 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

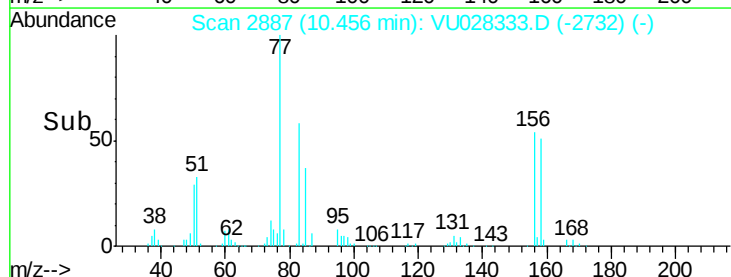
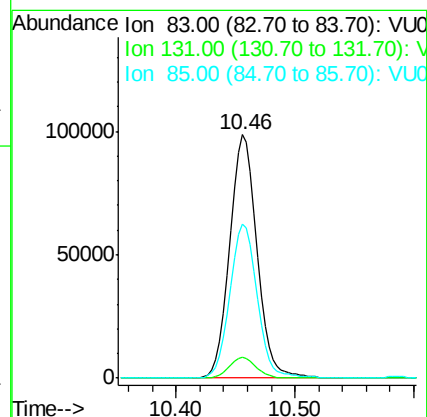
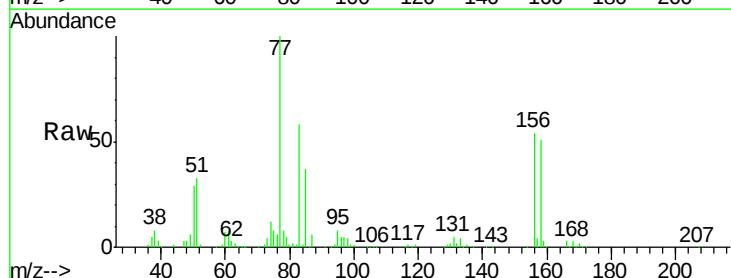
Tgt Ion: 83 Resp: 157273

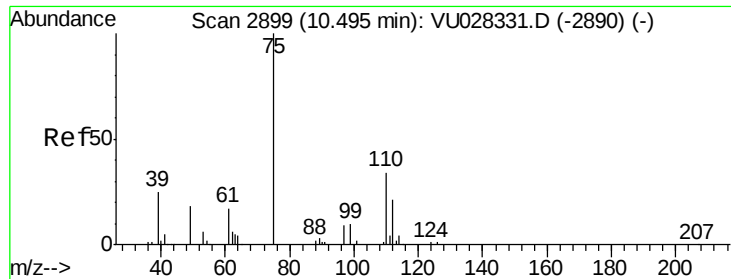
Ion Ratio Lower Upper

83 100

131 8.3 6.6 9.8

85 63.6 50.5 75.7





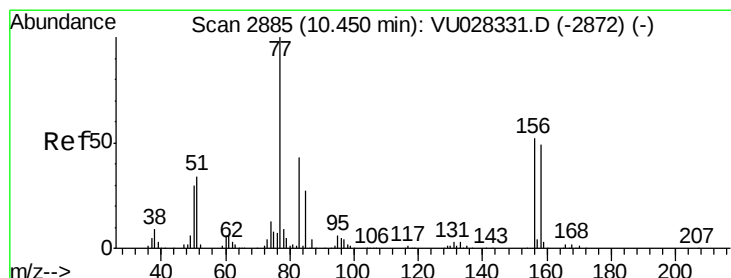
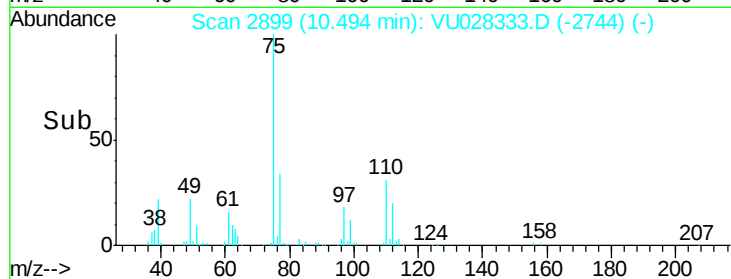
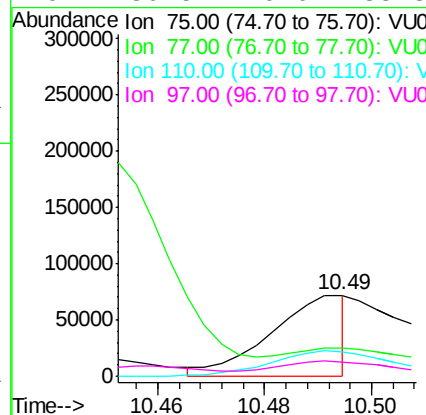
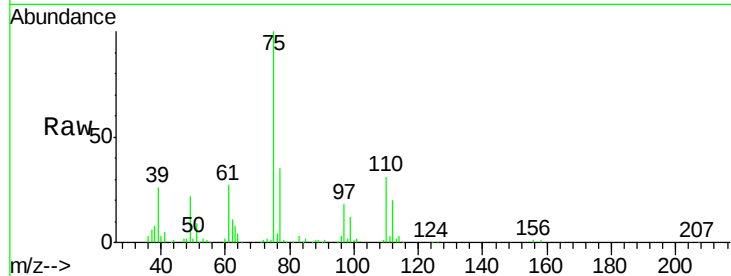
#71
1,2,3-Trichloropropane
Concen: 6.746 ug/l m
RT: 10.49 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
75	100		
77	73.9	0.0	0.0#
110	50.9	0.0	67.6
97	30.5	0.0	35.8

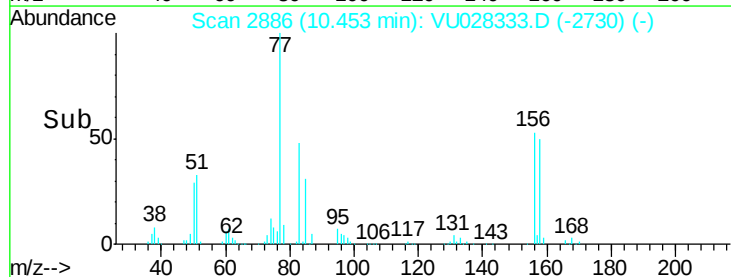
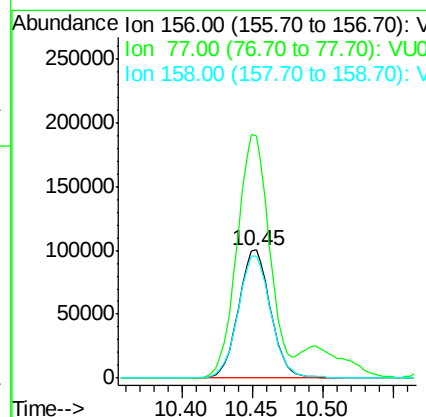
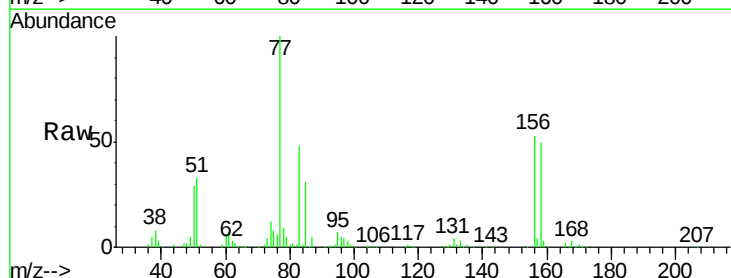
Manual Integrations
APPROVED

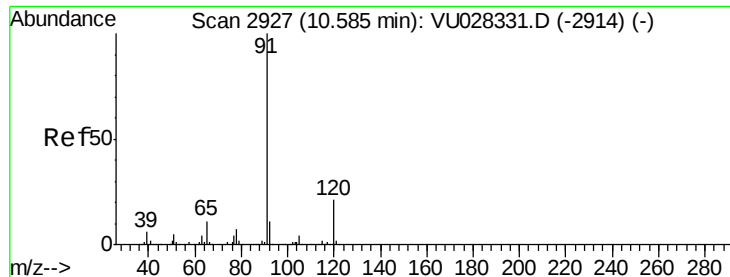
MMDadoda
11/30/2018 2:33:38 PM



#72
Bromobenzene
Concen: 11.015 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
156	100		
77	192.8	0.0	380.4
158	98.4	0.0	191.2





#73

n-propylbenzene

Concen: 11.379 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion:120 Resp: 192914

Ion Ratio Lower Upper

120 100

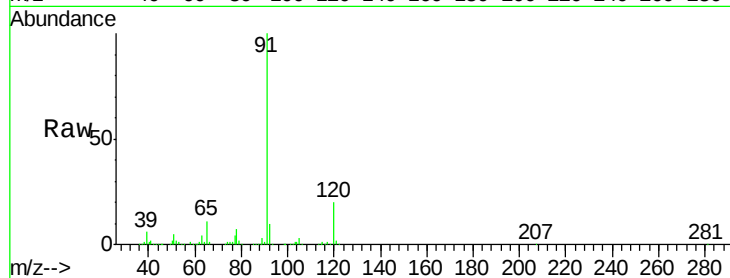
91 490.2 388.1 582.1

Manual Integrations

APPROVED

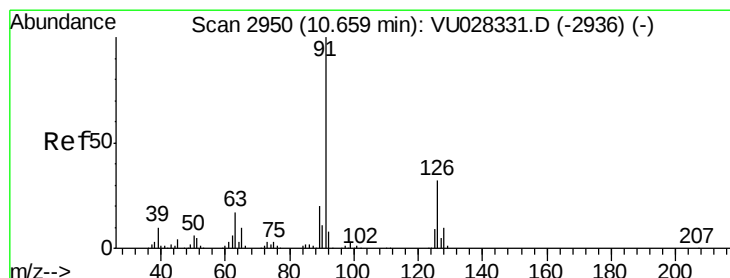
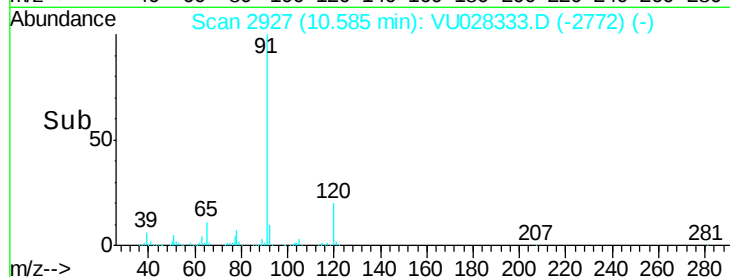
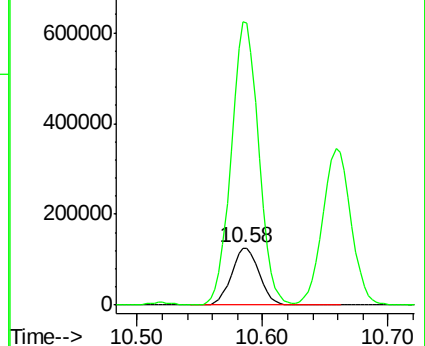
MMDadoda

11/30/2018 2:33:38 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.815 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028333.D

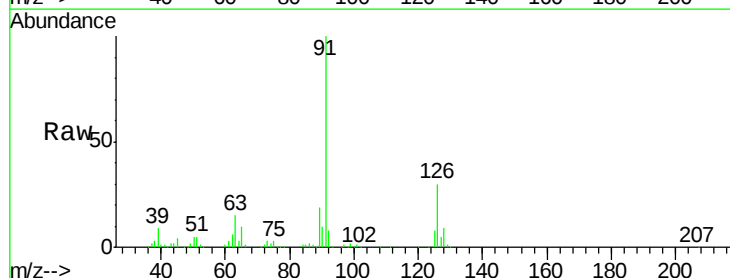
Acq: 26 Nov 2018 12:26

Tgt Ion:126 Resp: 160661

Ion Ratio Lower Upper

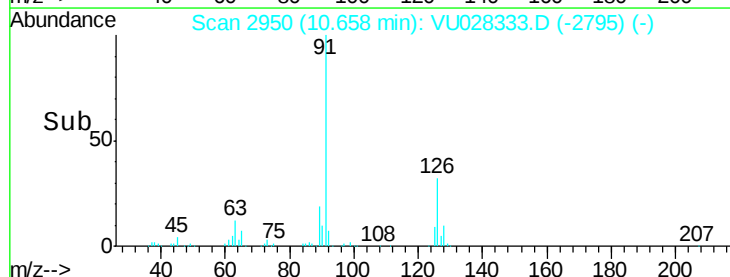
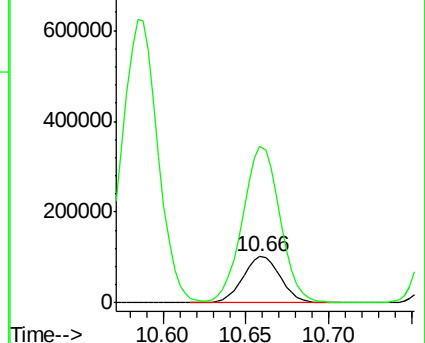
126 100

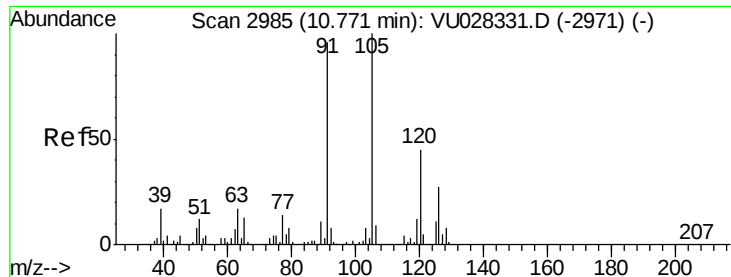
91 333.5 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 11.388 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112618

Tgt Ion:105 Resp: 626515

Ion Ratio Lower Upper

105 100

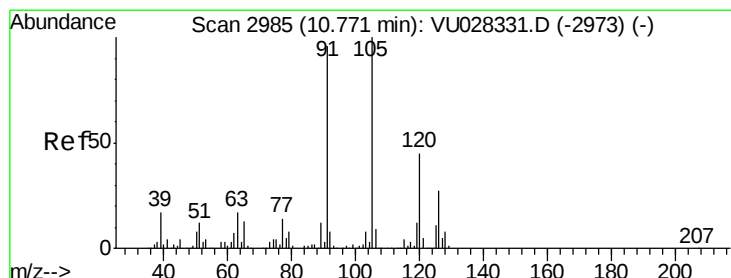
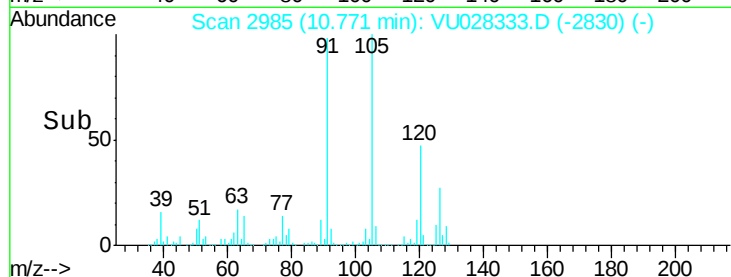
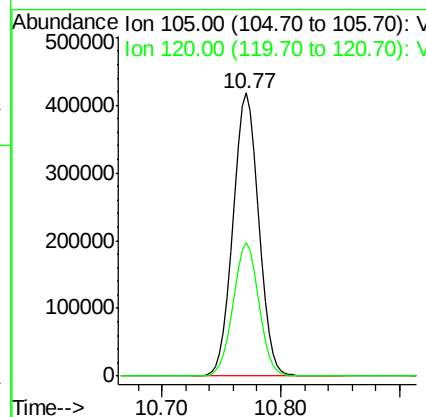
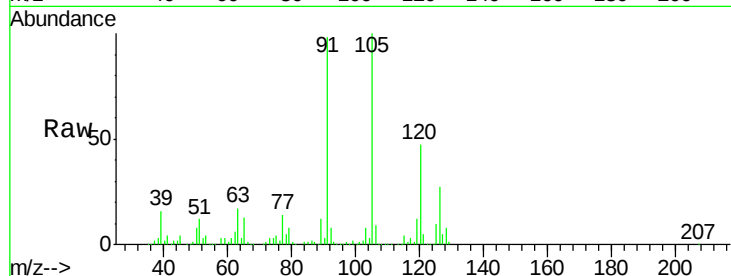
120 47.1 36.3 54.5

Manual Integrations

APPROVED

MMDadoda

11/30/2018 2:33:38 PM



#76

4-Chlorotoluene

Concen: 11.353 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028333.D

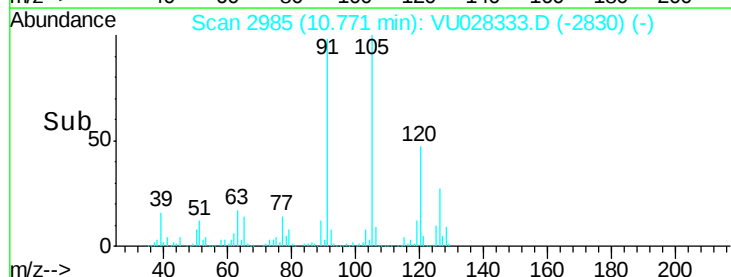
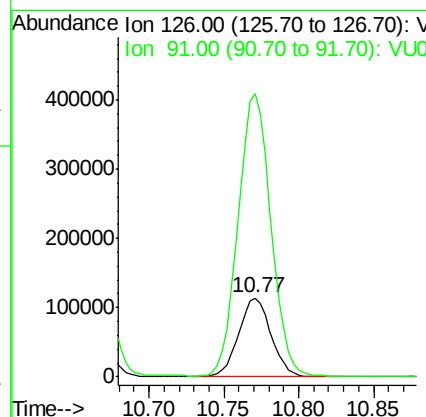
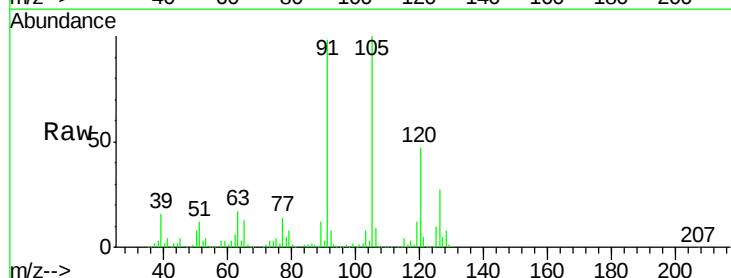
Acq: 26 Nov 2018 12:26

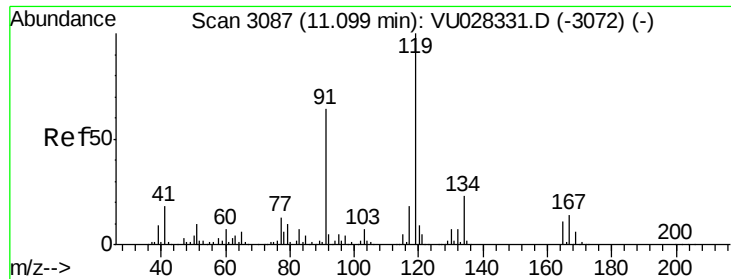
Tgt Ion:126 Resp: 170975

Ion Ratio Lower Upper

126 100

91 367.0 0.0 731.2





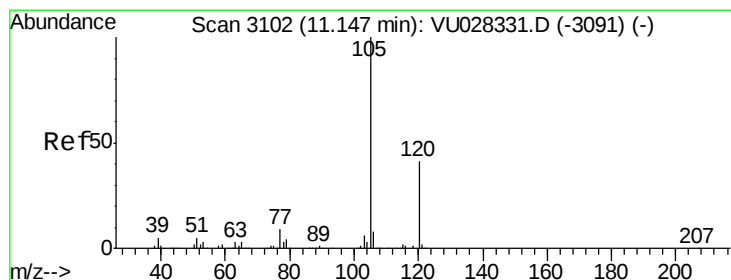
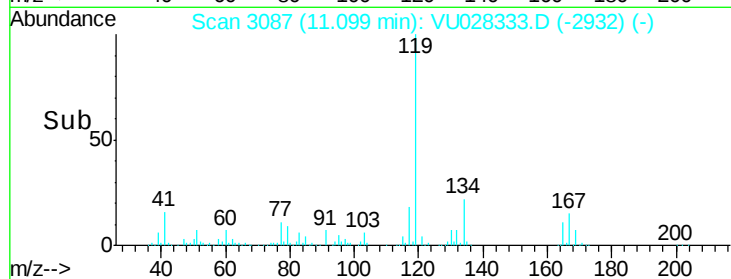
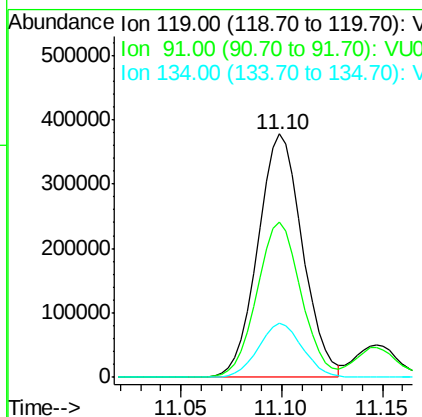
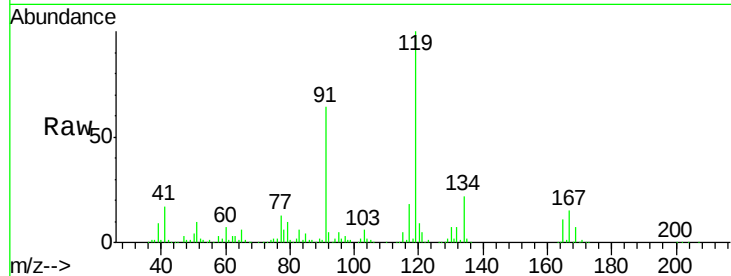
#77
 tert-Butylbenzene
 Concen: 11.248 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	582581		
91	63.3	32.0	96.0	
134	22.1	17.9	26.9	

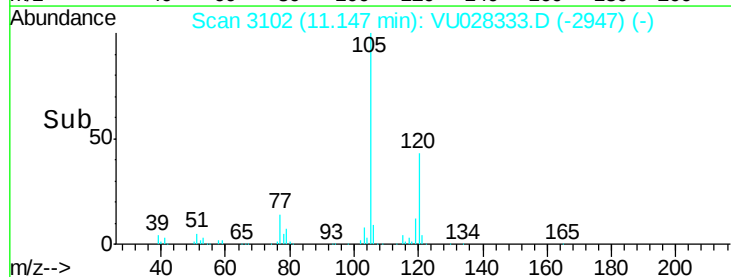
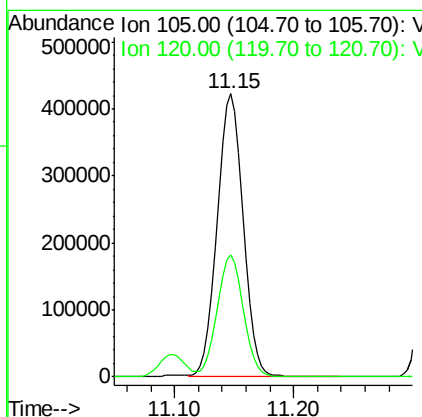
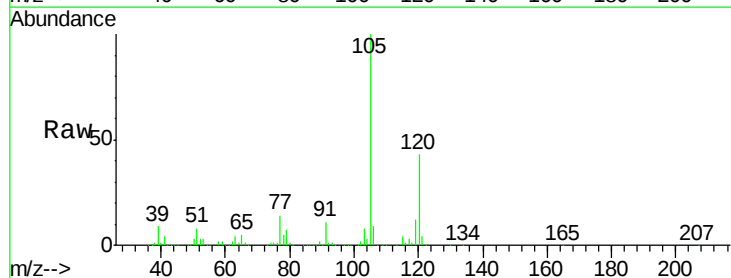
Manual Integrations
 APPROVED

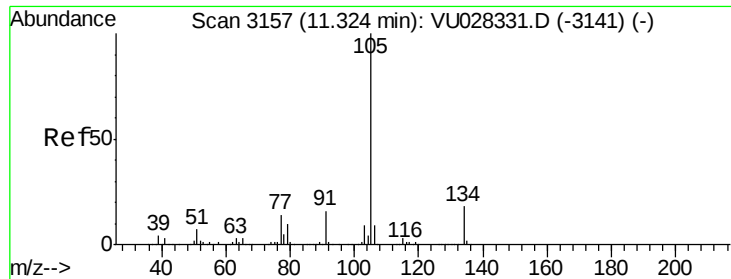
MMDadoda
 11/30/2018 2:33:38 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 11.365 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	640726		
120	43.4	21.9	65.8	





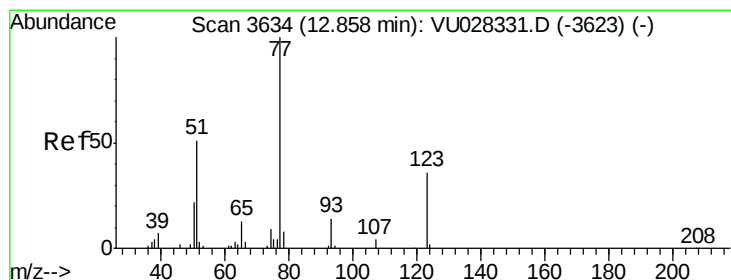
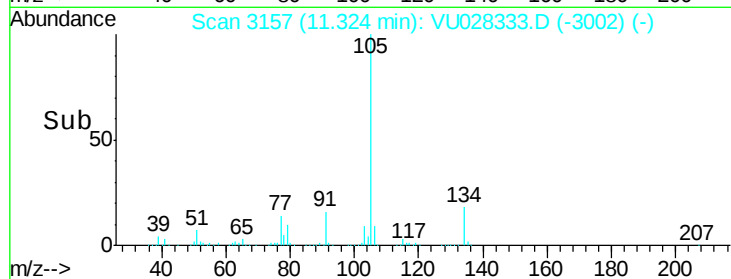
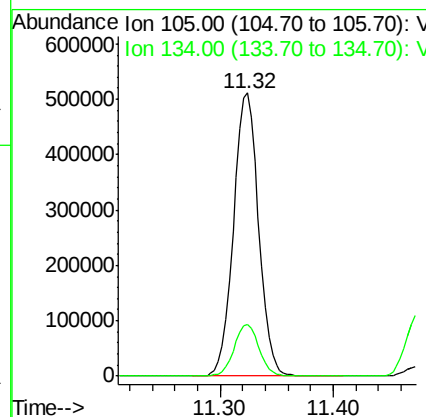
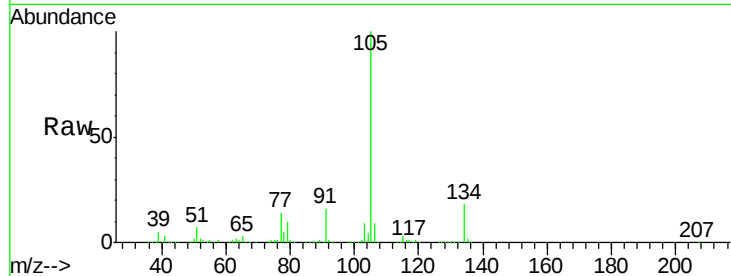
#79
 sec-Butylbenzene
 Concen: 10.885 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

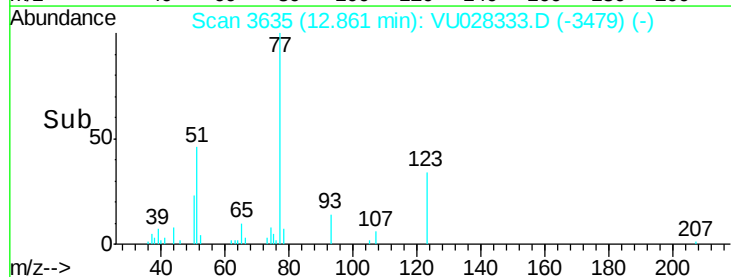
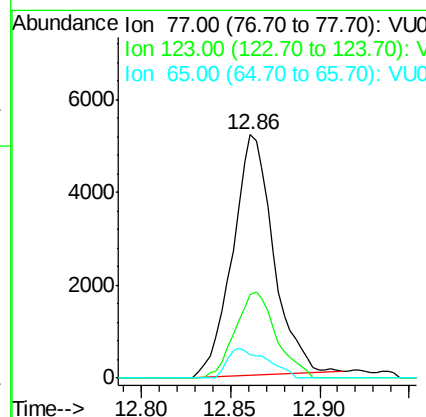
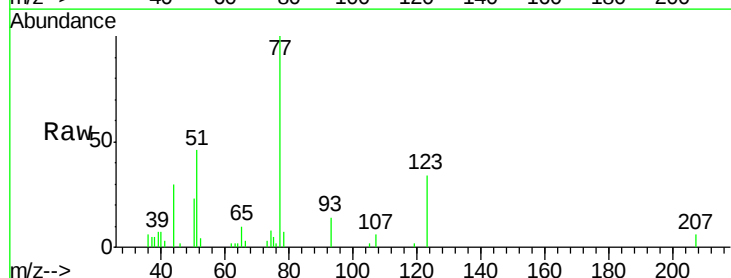
Manual Integrations
 APPROVED

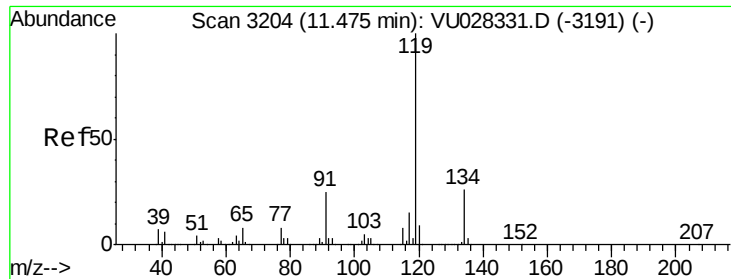
MMDadoda
 11/30/2018 2:33:38 PM



#80
 Nitrobenzene
 Concen: 12.255 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.8	16.5	58.3
65	12.1	12.1	15.3





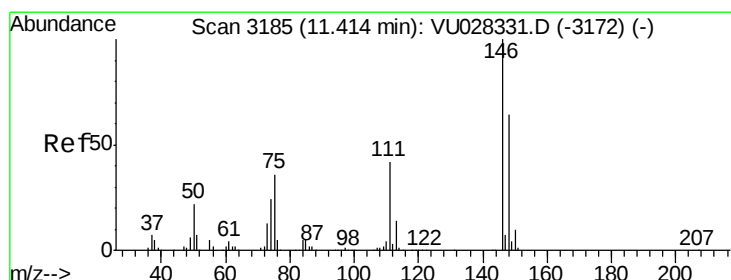
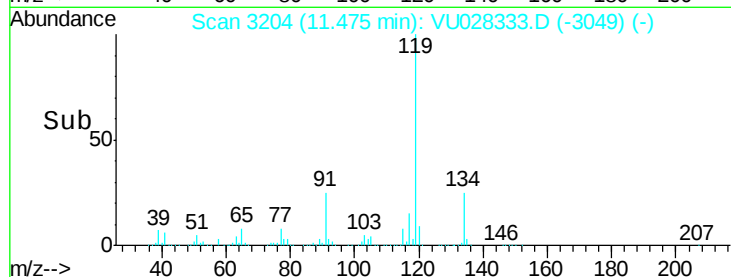
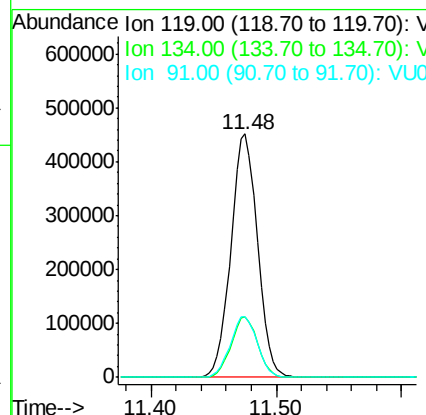
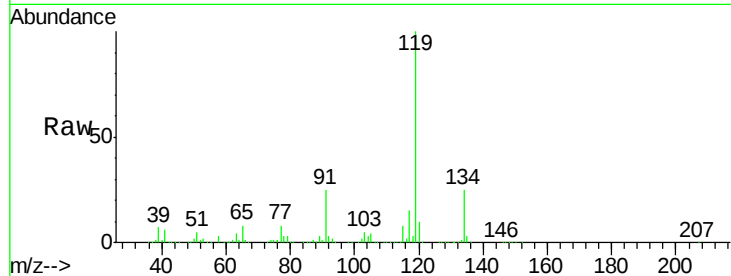
#81
p-Isopropyltoluene
Concen: 11.576 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.3	30.5
91	25.3	20.0	30.0

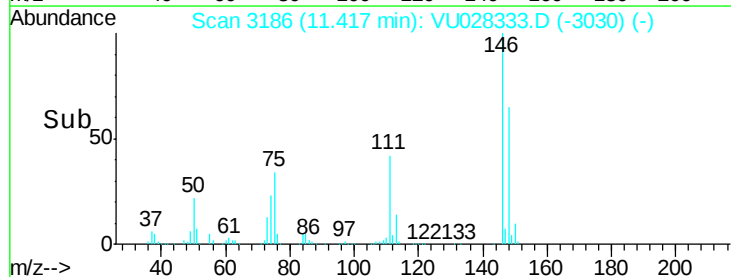
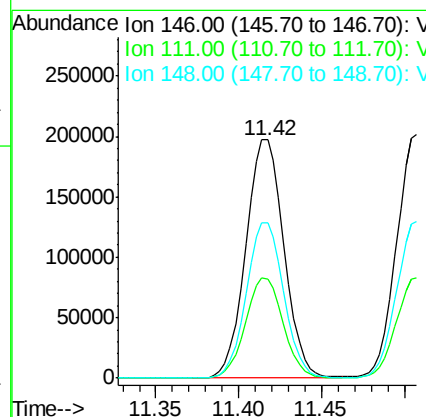
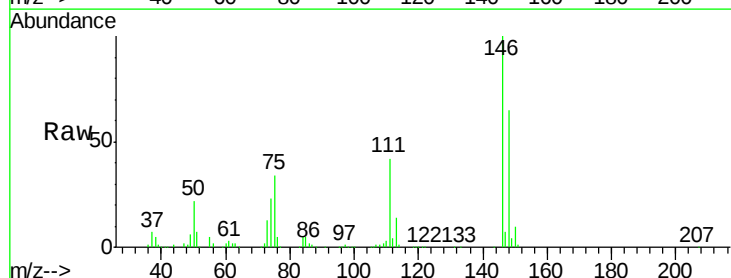
Manual Integrations
APPROVED

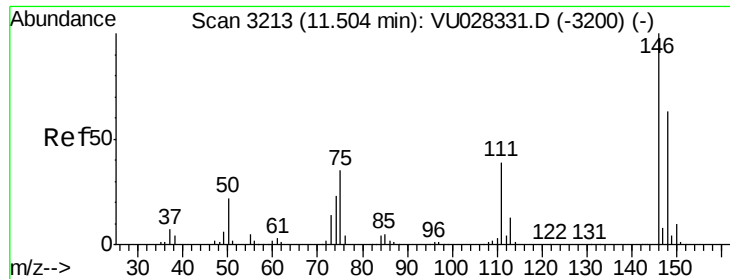
MMDadoda
11/30/2018 2:33:38 PM



#82
1,3-Dichlorobenzene
Concen: 10.847 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	33.4	50.2
148	63.9	51.2	76.8





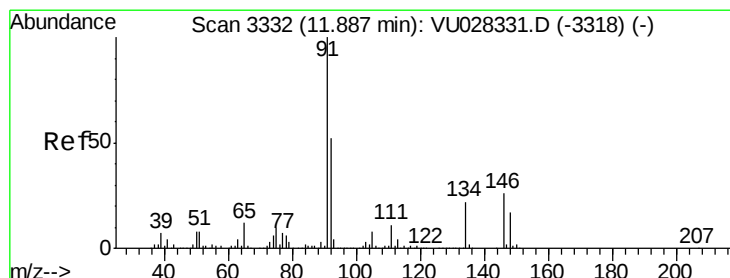
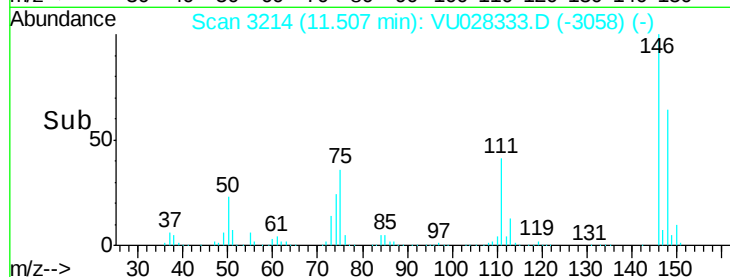
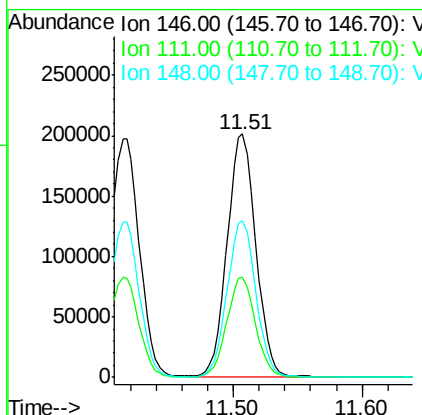
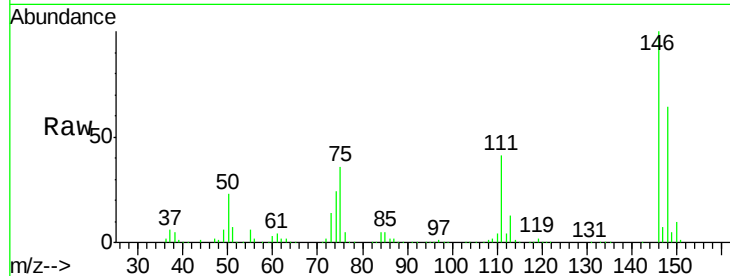
#83
1,4-Dichlorobenzene
Concen: 10.788 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	31.4	47.2
148	64.4	50.7	76.1

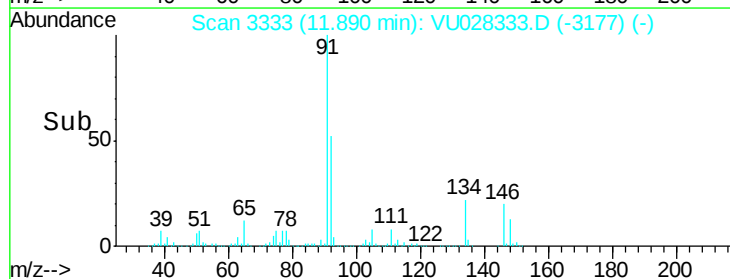
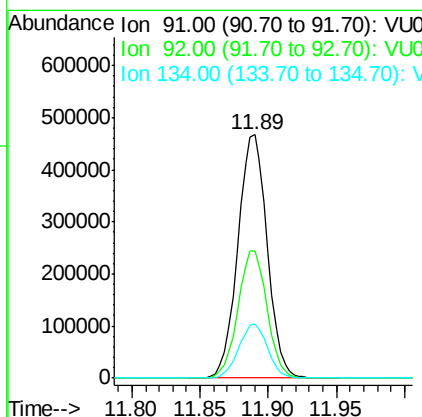
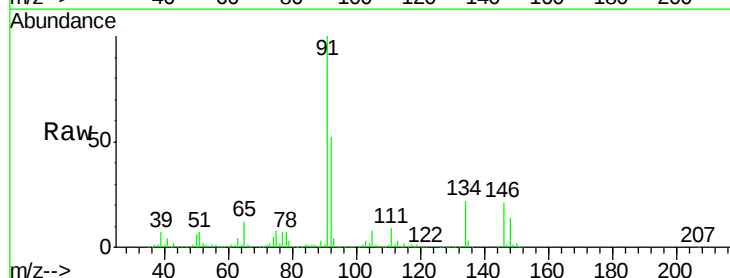
Manual Integrations
APPROVED

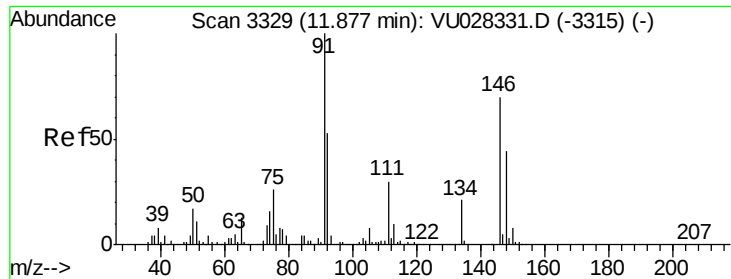
MMDadoda
11/30/2018 2:33:38 PM



#84
n-Butylbenzene
Concen: 11.548 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	41.6	62.4
134	21.8	17.8	26.6





#85

1,2-Dichlorobenzene

Concen: 10.691 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Instrument :

MSVOA_U

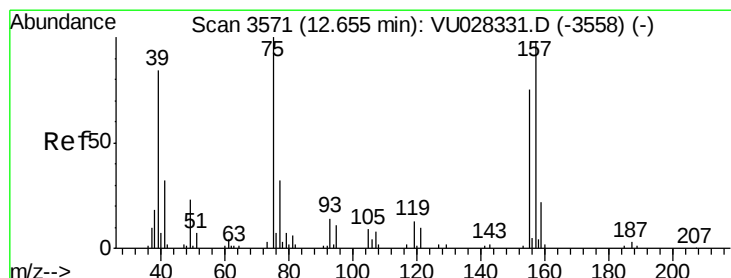
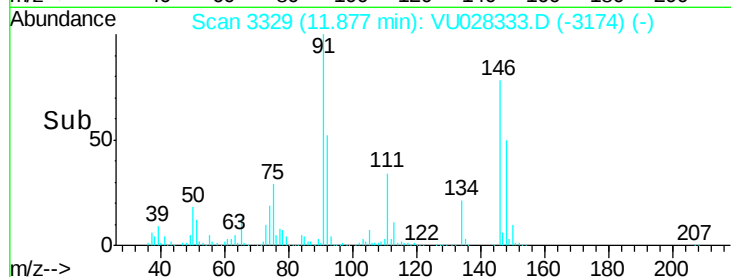
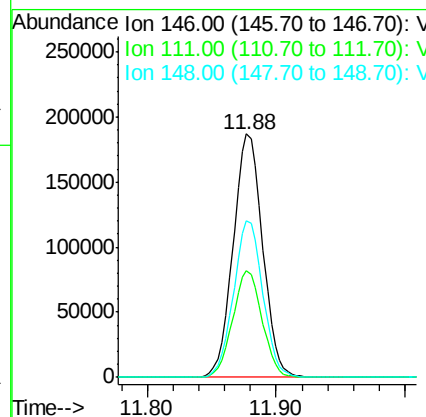
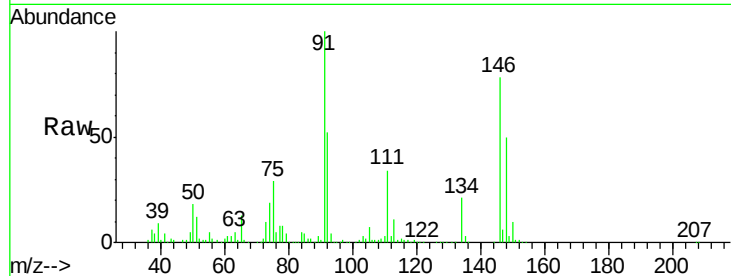
ClientSampleId :

ICVVU112618

Tgt Ion:	146	Resp:	295719
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.4	64.3
148	64.1	31.4	94.2

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.846 ug/l

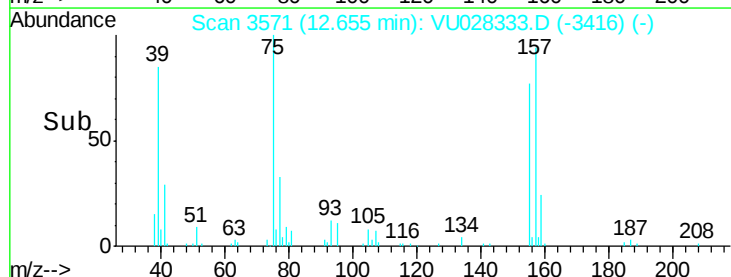
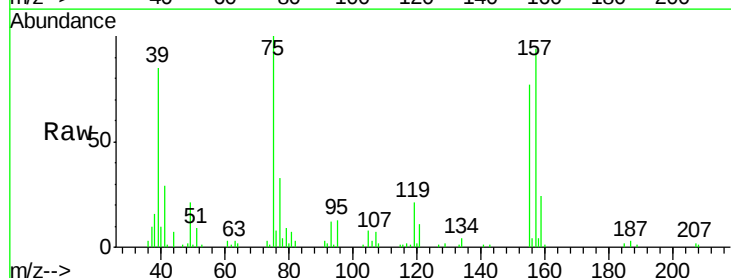
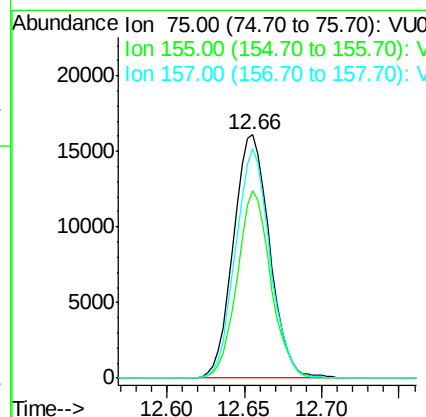
RT: 12.66 min Scan# 3571

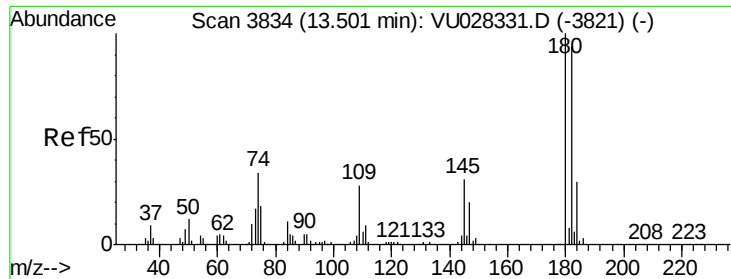
Delta R.T. -0.00 min

Lab File: VU028333.D

Acq: 26 Nov 2018 12:26

Tgt Ion:	75	Resp:	26147
Ion Ratio	Lower	Upper	
75	100		
155	71.0	57.0	85.4
157	89.2	75.4	113.2





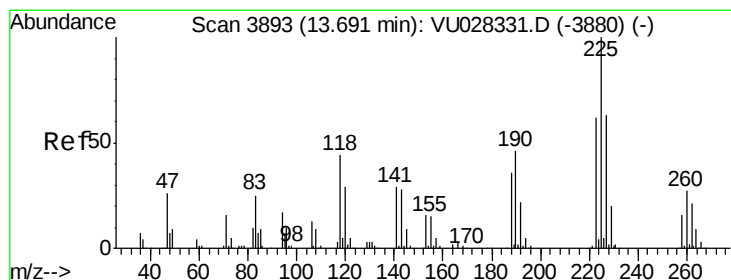
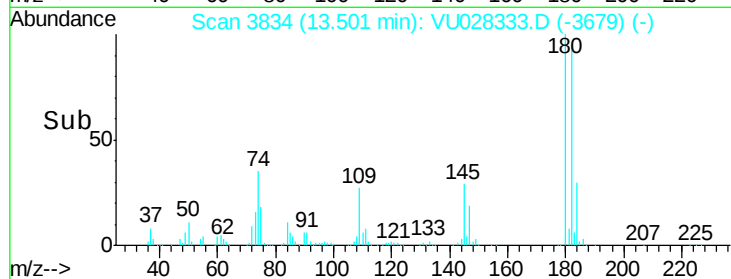
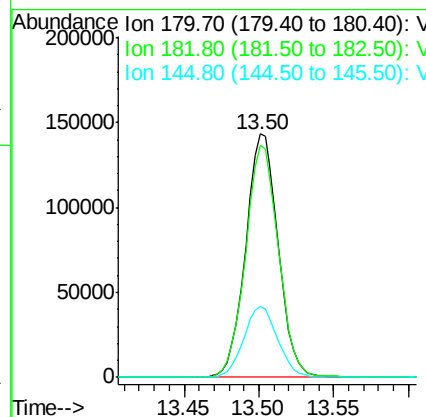
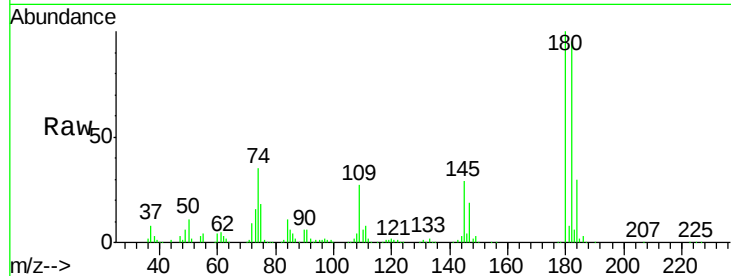
#87
 1,2,4-Trichlorobenzene
 Concen: 11.152 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112618

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	216851		
182	96.6	75.6	113.4	
145	30.2	24.4	36.6	

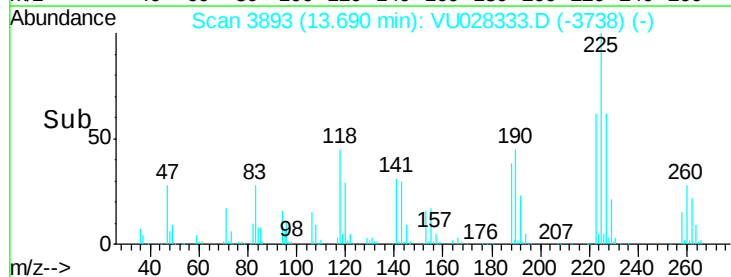
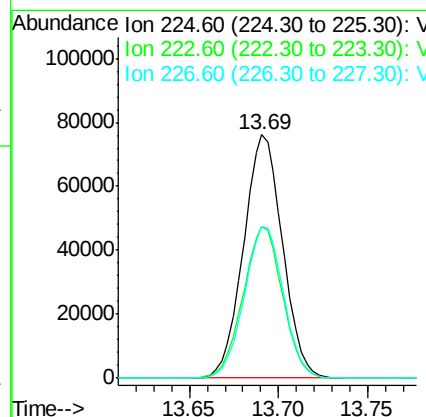
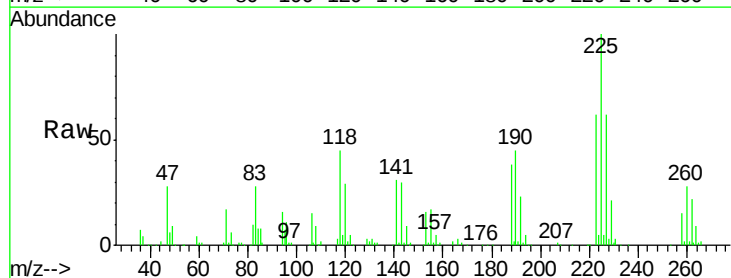
Manual Integrations
 APPROVED

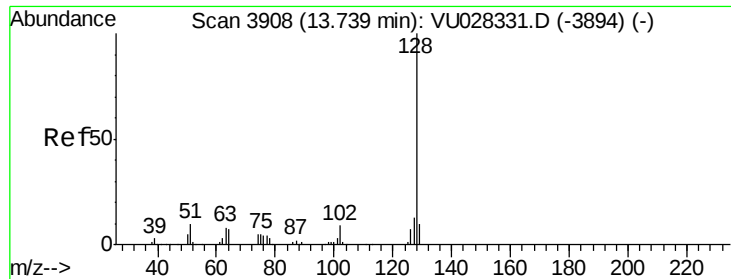
MMDadoda
 11/30/2018 2:33:38 PM



#88
 Hexachlorobutadiene
 Concen: 11.052 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028333.D
 Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	116281		
223	62.8	50.6	76.0	
227	62.7	50.8	76.2	





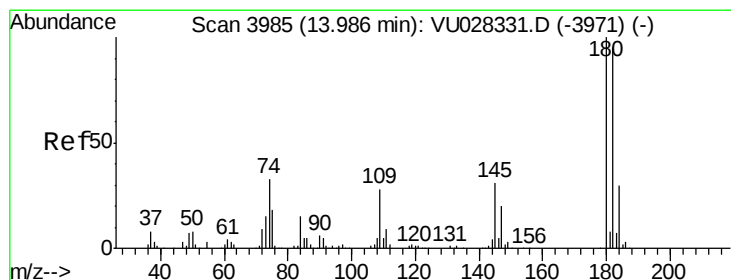
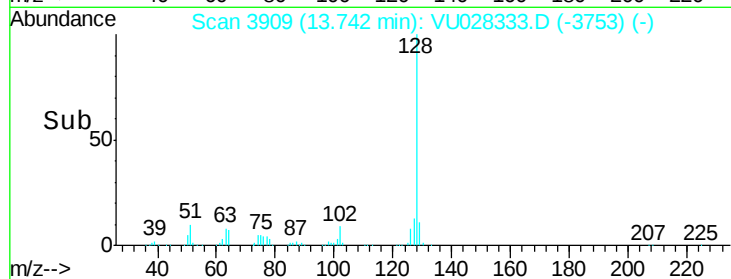
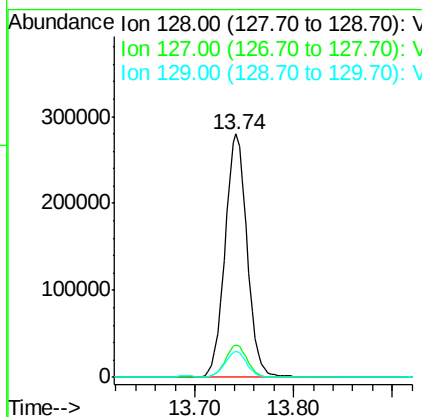
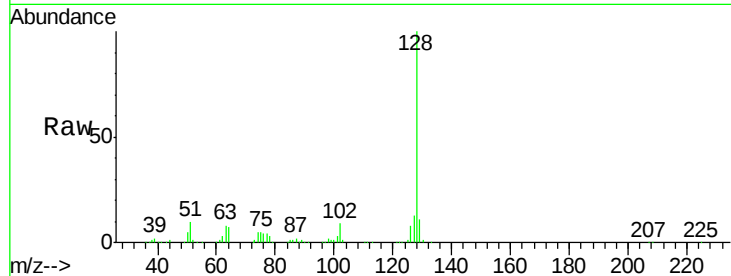
#89
Naphthalene
Concen: 11.488 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112618

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.6	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
11/30/2018 2:33:38 PM



#90
1,2,3-Trichlorobenzene
Concen: 11.075 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028333.D
Acq: 26 Nov 2018 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.1	114.1
145	31.6	26.0	39.0

