

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072219\
 Data File : VU033362.D
 Acq On : 22 Jul 2019 20:08
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 8:54:48 AM

Quant Time: Jul 23 02:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 01:45:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.72	96	28338	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.29	95	11042	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	11409	1.19	ug/l	0.00
Spiked Amount 1.000			Recovery	=	119.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	24068	1.904	ug/l	99
3) Chloromethane	1.32	50	26742	1.791	ug/l	95
4) Vinyl Chloride	1.39	62	29002	1.996	ug/l	98
5) Bromomethane	1.62	94	19386	2.629	ug/l	100
6) Chloroethane	1.69	64	19599	2.296	ug/l	97
7) Trichlorofluoromethane	1.87	101	40070	2.345	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	20699	2.446	ug/l	98
9) 1,1-Dichloroethene	2.27	96	20850	2.478	ug/l	90
10) Iodomethane	2.40	142	27470	2.855	ug/l	99
11) Allyl Chloride	2.58	41	33389	1.899	ug/l	96
12) Acrylonitrile	2.92	53	11145	4.433	ug/l #	89
13) Acetone	2.32	43	23631	10.441	ug/l	95
14) Carbon Disulfide	2.46	76	78997	2.454	ug/l	99
15) Methylene Chloride	2.68	84	26667	2.496	ug/l	98
16) trans-1,2-Dichloroethene	2.96	96	24528	2.594	ug/l	91
17) 1,1-Dichloroethane	3.42	63	32781	1.778	ug/l	99
18) 2-Butanone	4.26	43	23238	8.246	ug/l	95
19) Cyclohexane	4.97	56	21976m	1.566	ug/l	
20) Methylcyclohexane	6.39	83	21685	1.864	ug/l	93
21) 2,2-Dichloropropane	4.20	77	27483	2.011	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	17816	1.855	ug/l	96
23) Diethyl Ether	2.09	59	17568	2.216	ug/l	98
24) tert-Butyl Alcohol	2.85	59	26834	31.145	ug/l #	82
25) Methyl tert-Butyl Ether	2.99	73	59532	2.437	ug/l	100
26) Bromochloromethane	4.53	128	8225	2.017	ug/l	97
27) Chloroform	4.65	83	37230	2.139	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	28084	1.908	ug/l	96
29) 1,1-Dichloropropene	5.11	75	21992	1.861	ug/l	99
30) Carbon Tetrachloride	5.11	117	25663	2.037	ug/l	90
31) Isopropyl Ether	3.56	45	39514	1.466	ug/l	95
32) Ethyl-t-butyl ether	4.05	59	36229	1.624	ug/l	97
33) Tert-Amyl methyl ether	5.56	73	33803	1.866	ug/l	98
34) Propionitrile	4.33	54	6824	8.886	ug/l #	94
35) Benzene	5.37	78	67718	1.877	ug/l	98
36) 1,2-Dichloroethane	5.38	62	23191	1.958	ug/l	100
37) Trichloroethene	6.16	130	17691	1.973	ug/l	99
38) 1,2-Dichloropropane	6.41	63	18791	1.848	ug/l	99
39) Methacrylonitrile	4.53	41	4943	1.573	ug/l	97
40) Methyl acrylate	4.41	55	7425	1.781	ug/l #	96
41) Tetrahydrofuran	4.63	42	5171	2.980	ug/l	97
42) 1-Chlorobutane	5.04	56	29894	1.693	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072219\
 Data File : VU033362.D
 Acq On : 22 Jul 2019 20:08
 Operator : JC/SP
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

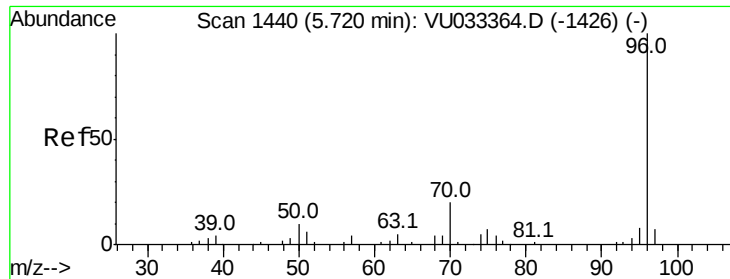
Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 8:54:48 AM

Quant Time: Jul 23 02:18:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 23 01:45:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	10838	2.121	ug/l	99
44) Bromodichloromethane	6.74	83	25002	1.986	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	53796	9.057	ug/l	95
46) t-1,4-Dichloro-2-butene	10.50	75	8084m	4.202	ug/l	
47) Methyl methacrylate	6.61	69	15068	3.859	ug/l	95
48) Ethyl methacrylate	8.01	69	13010	1.914	ug/l	96
49) Toluene	7.62	92	38593	2.028	ug/l	99
50) t-1,3-Dichloropropene	7.86	75	20725	2.078	ug/l	99
51) cis-1,3-Dichloropropene	7.25	75	25014	2.076	ug/l	99
52) 1,1,2-Trichloroethane	8.05	97	14128	2.108	ug/l	96
53) 1,3-Dichloropropane	8.23	76	23890	2.058	ug/l	100
54) 2-Hexanone	8.35	43	36124	8.977	ug/l	93
55) Dibromochloromethane	8.46	129	15452	2.038	ug/l	94
56) 1,2-Dibromoethane	8.57	107	13276	2.209	ug/l	97
58) Tetrachloroethene	8.21	164	15820	1.840	ug/l	97
59) Chlorobenzene	9.10	112	43175	2.129	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.19	131	16984	2.162	ug/l	98
61) Pentachloroethane	11.09	117	14458	2.518	ug/l	88
62) Hexachloroethane	12.13	117	13310	2.372	ug/l	96
63) Ethyl Benzene	9.23	91	66486	2.015	ug/l	100
64) m/p-Xylenes	9.36	106	53523	4.296	ug/l	98
65) o-Xylene	9.76	106	26115	2.151	ug/l	100
66) Styrene	9.78	104	44048	2.183	ug/l	99
67) Bromoform	9.95	173	9136	2.156	ug/l	96
69) Isopropylbenzene	10.15	105	66013	2.087	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.44	83	19555	2.259	ug/l #	96
71) 1,2,3-Trichloropropane	10.48	75	14056m	2.224	ug/l	
72) Bromobenzene	10.44	156	18618	2.306	ug/l	98
73) n-propylbenzene	10.57	120	18497	2.225	ug/l	91
74) 2-Chlorotoluene	10.64	126	17631	2.235	ug/l	97
75) 1,3,5-Trimethylbenzene	10.76	105	59226	2.177	ug/l	99
76) 4-Chlorotoluene	10.76	126	18884	2.435	ug/l	96
77) tert-Butylbenzene	11.08	119	56091	2.194	ug/l	99
78) 1,2,4-Trimethylbenzene	11.13	105	61947	2.246	ug/l	100
79) sec-Butylbenzene	11.31	105	80689	2.312	ug/l	99
80) Nitrobenzene	12.86	77	1931m	8.967	ug/l	
81) p-Isopropyltoluene	11.46	119	64935	2.353	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	38621	2.390	ug/l	98
83) 1,4-Dichlorobenzene	11.49	146	37985	2.437	ug/l	99
84) n-Butylbenzene	11.87	91	65160	2.440	ug/l	98
85) 1,2-Dichlorobenzene	11.86	146	36501	2.370	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	3021	2.397	ug/l	96
87) 1,2,4-Trichlorobenzene	13.49	180	20468	2.563	ug/l	98
88) Hexachlorobutadiene	13.68	225	13496	2.405	ug/l	96
89) Naphthalene	13.73	128	33386	2.383	ug/l	98
90) 1,2,3-Trichlorobenzene	13.97	180	20225	2.489	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

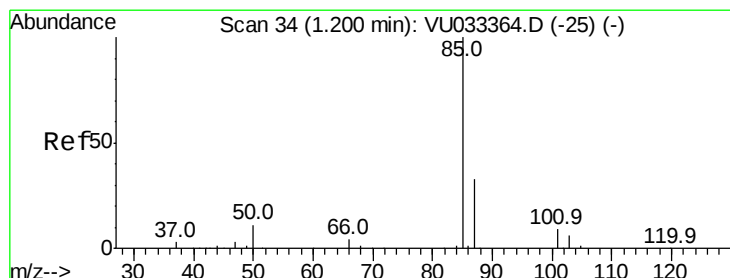
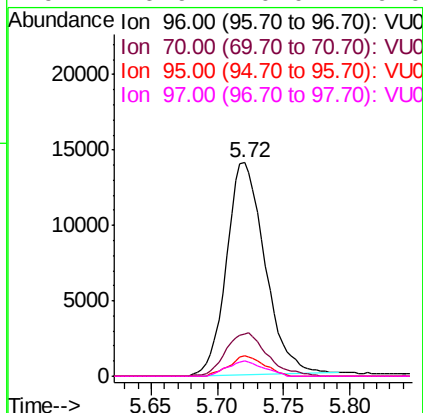
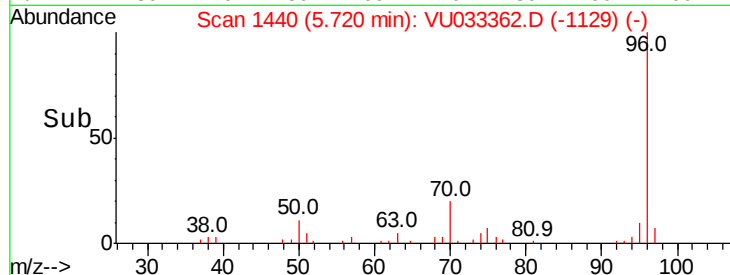
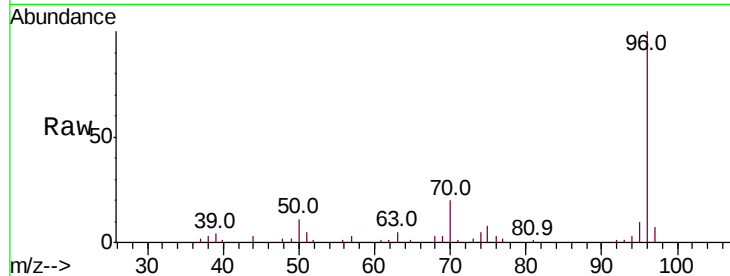
VSTDIC002

Tot Ion: 96 Resp: 28338

Ion	Ratio	Lower	Upper
96	100		
70	22.1	16.4	24.6
95	8.8	6.7	10.1
97	6.9	0.0	0.0#

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



#2

Dichlorodifluoromethane

Concen: 1.904 ug/l

RT: 1.20 min Scan# 34

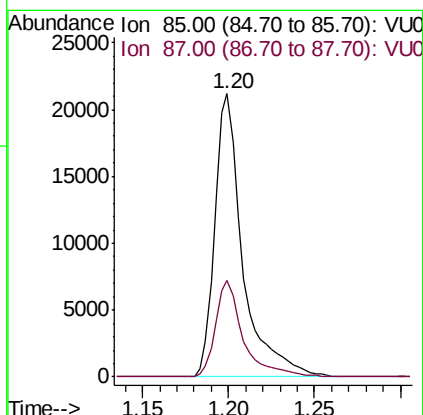
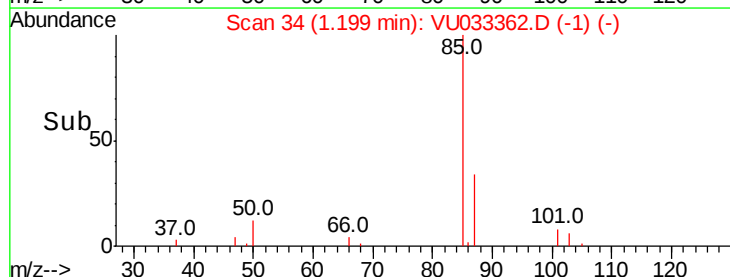
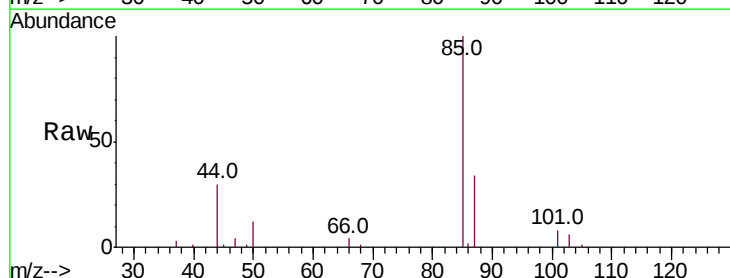
Delta R.T. -0.00 min

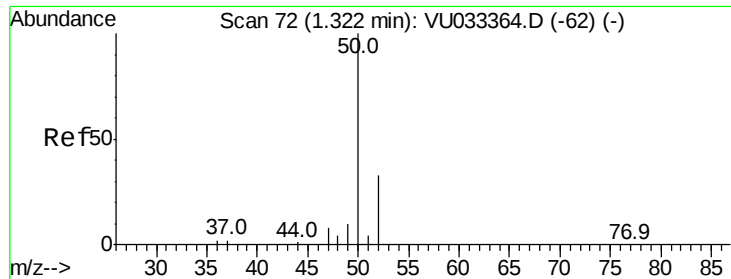
Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Tgt Ion: 85 Resp: 24068

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.7





#3

Chloromethane

Concen: 1.791 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 50 Resp: 26742

Ion Ratio Lower Upper

50 100

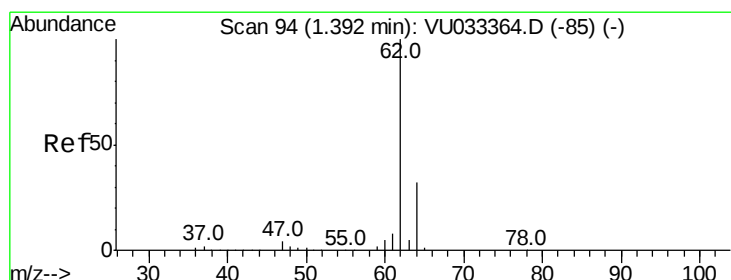
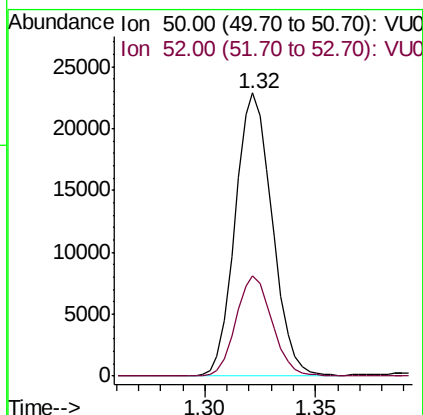
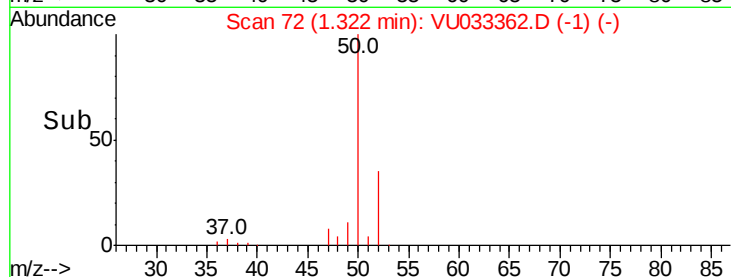
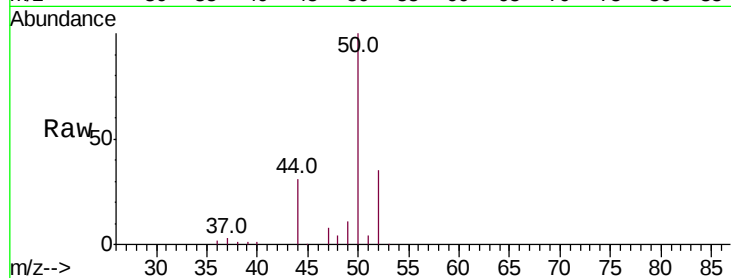
52 35.3 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#4

Vinyl Chloride

Concen: 1.996 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033362.D

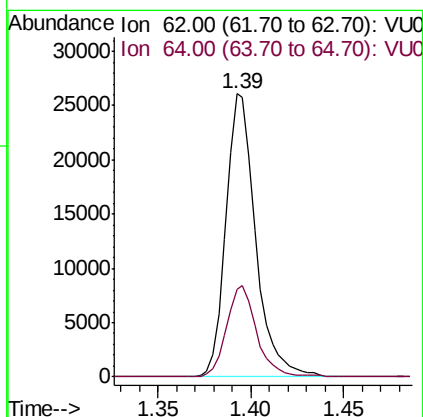
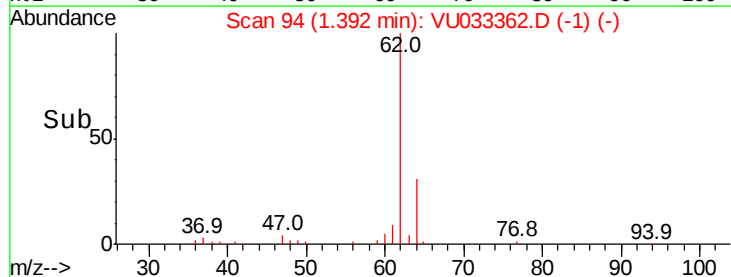
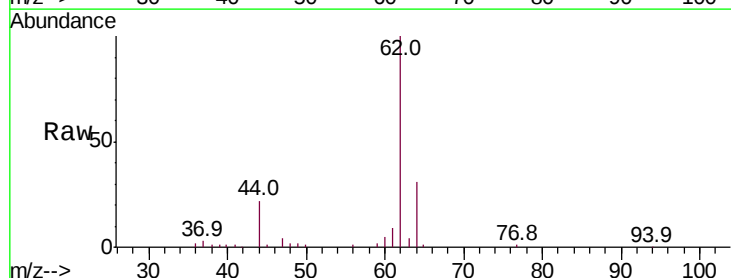
Acq: 22 Jul 2019 20:08

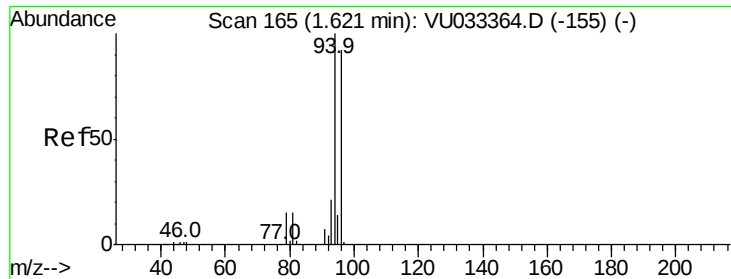
Tgt Ion: 62 Resp: 29002

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4





#5

Bromomethane

Concen: 2.629 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 19386

Ion Ratio Lower Upper

94 100

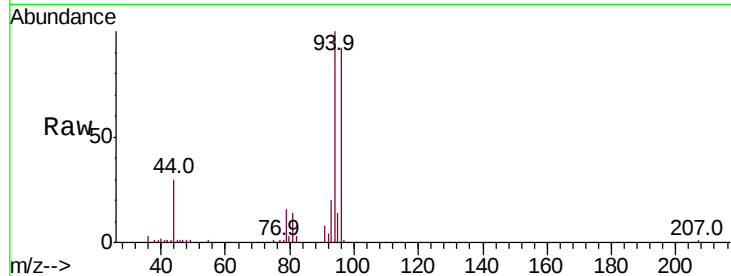
96 91.6 73.2 109.8

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



Abundance Ion 94.00 (93.70 to 94.70): VU033362.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033362.D (-155) (-)

1.62

15000

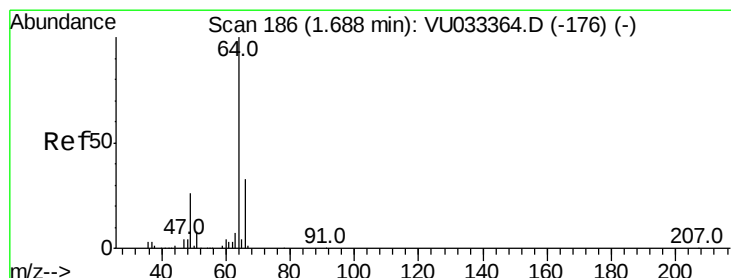
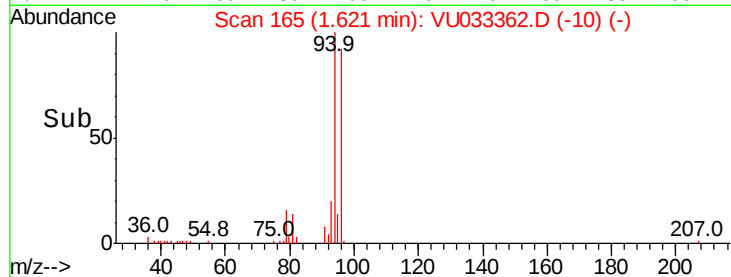
10000

5000

0

1.60 1.65

Time-->



#6

Chloroethane

Concen: 2.296 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033362.D

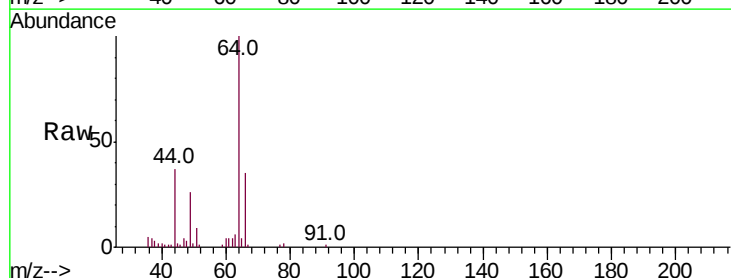
Acq: 22 Jul 2019 20:08

Tgt Ion: 64 Resp: 19599

Ion Ratio Lower Upper

64 100

66 34.8 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033362.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033362.D (-176) (-)

1.69

15000

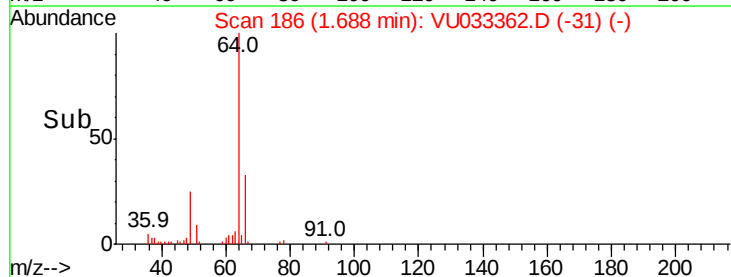
10000

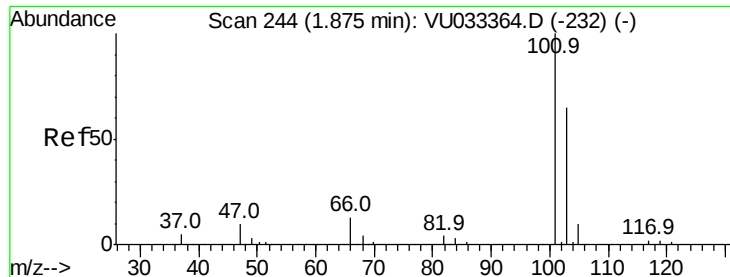
5000

0

1.65 1.70 1.75

Time-->





#7

Trichlorofluoromethane

Concen: 2.345 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:101 Resp: 40070

Ion Ratio Lower Upper

101 100

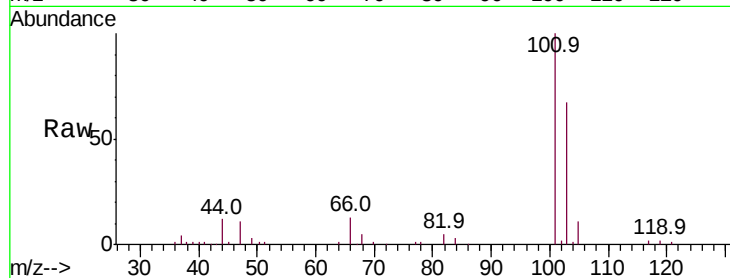
103 66.6 52.2 78.2

Manual Integrations

APPROVED

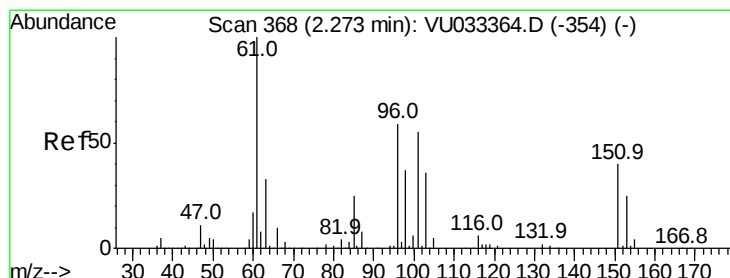
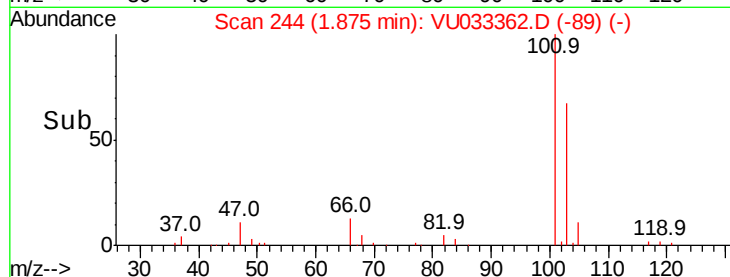
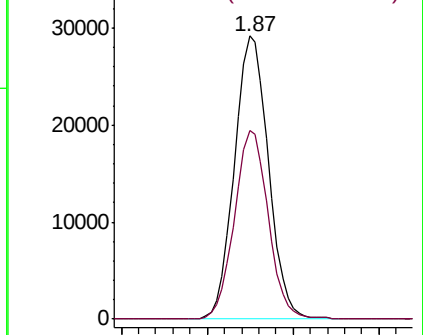
MMDadoda

7/23/2019 8:54:48 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.446 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

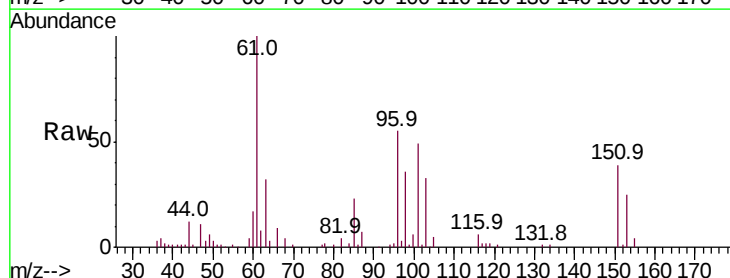
Tgt Ion:101 Resp: 20699

Ion Ratio Lower Upper

101 100

85 46.1 37.5 56.3

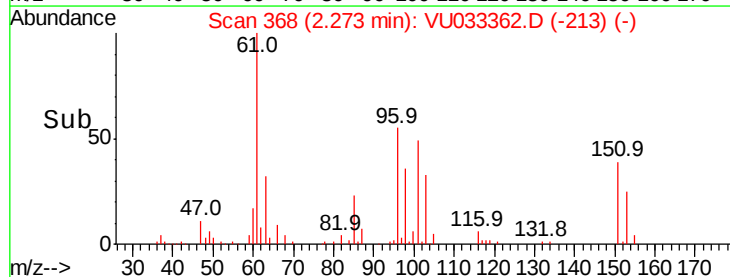
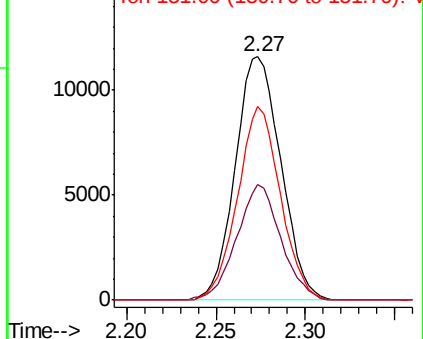
151 74.7 58.3 87.5

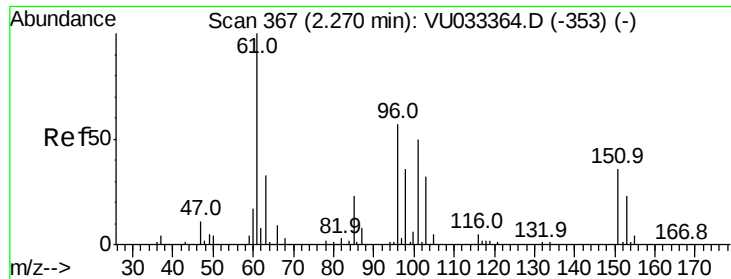


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.478 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

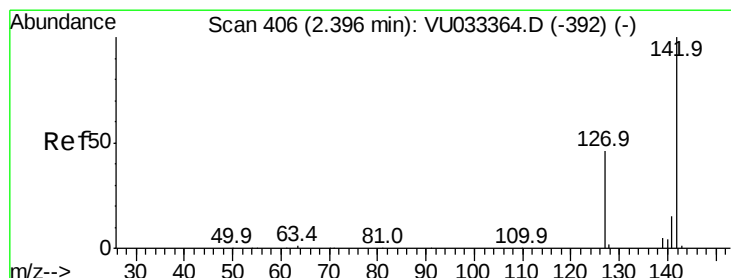
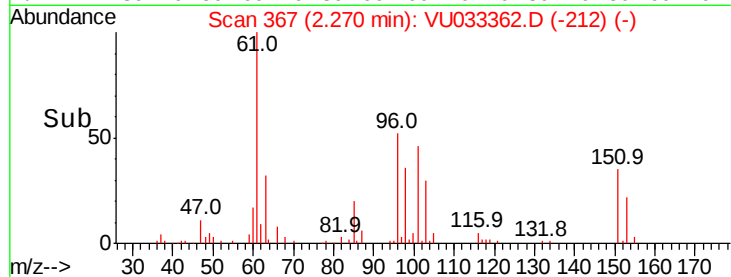
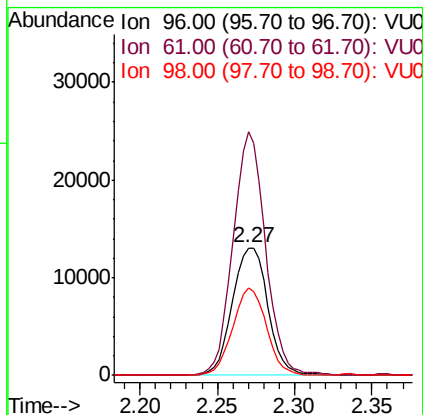
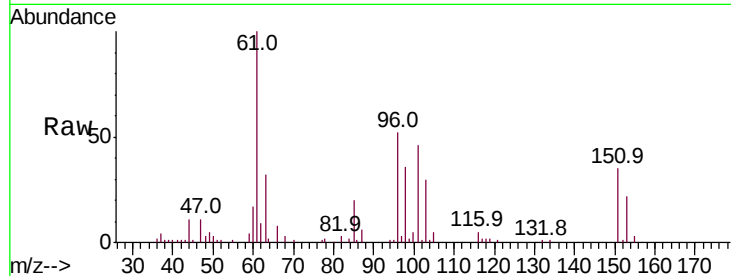
ClientSampleId :

VSTDIC002

Tot Ion:	96	Resp:	20850
Ion	Ratio	Lower	Upper
96	100		
61	191.0	0.0	525.6
98	68.4	0.0	126.4

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



#10

Iodomethane

Concen: 2.855 ug/l

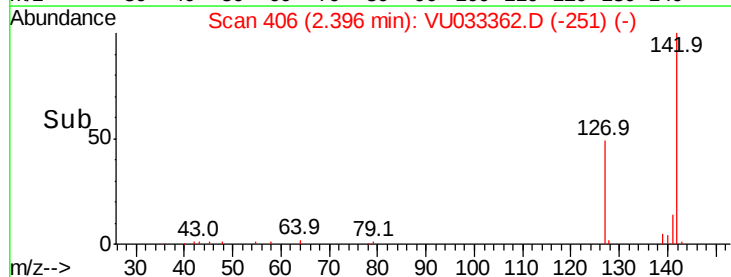
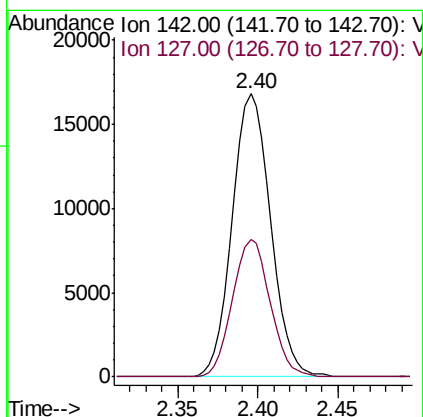
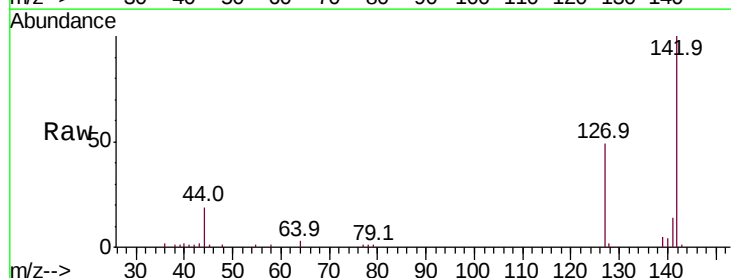
RT: 2.40 min Scan# 406

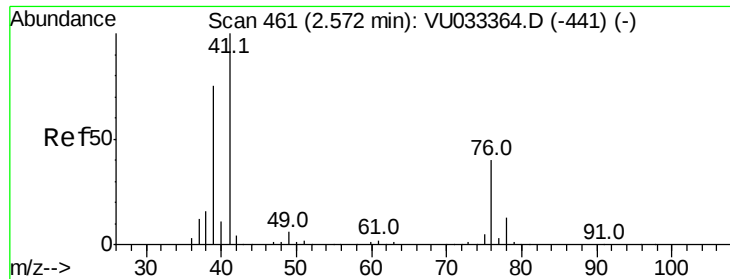
Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Tgt Ion:	142	Resp:	27470
Ion	Ratio	Lower	Upper
142	100		
127	47.6	37.8	56.6





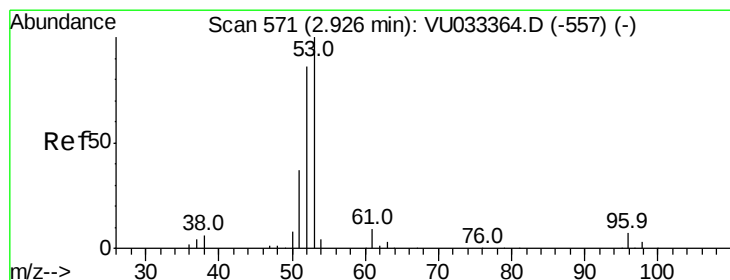
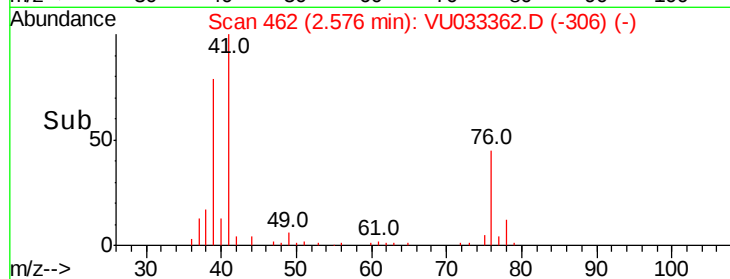
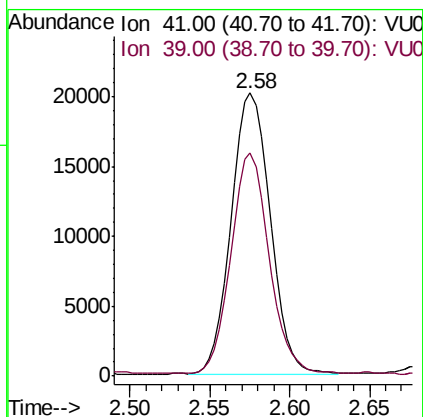
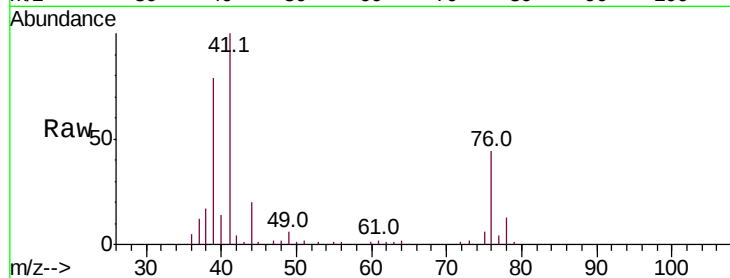
#11
Allvl Chloride
Concen: 1.899 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 41 Resp: 33389
Ion Ratio Lower Upper
41 100
39 76.6 58.7 88.1

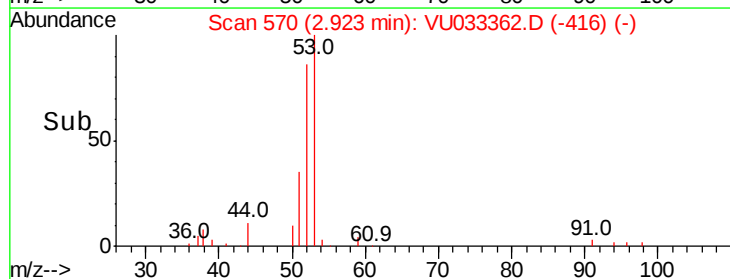
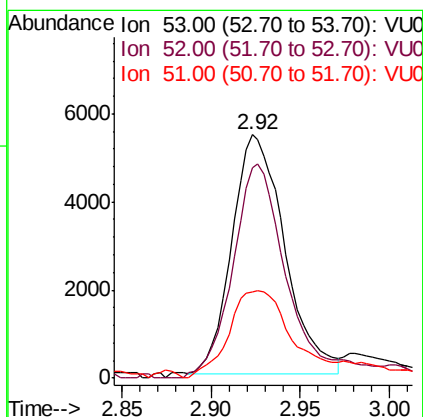
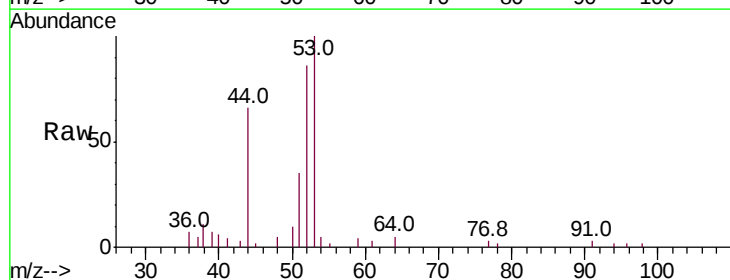
Manual Integrations
APPROVED

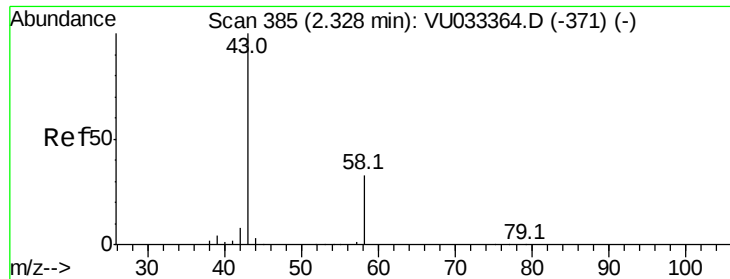
MMDadoda
7/23/2019 8:54:48 AM



#12
Acrylonitrile
Concen: 4.433 ug/l
RT: 2.92 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion: 53 Resp: 11145
Ion Ratio Lower Upper
53 100
52 93.5 69.8 104.8
51 49.9 29.1 43.7#





#13

Acetone

Concen: 10.441 ug/l

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 23631

Ion Ratio Lower Upper

43 100

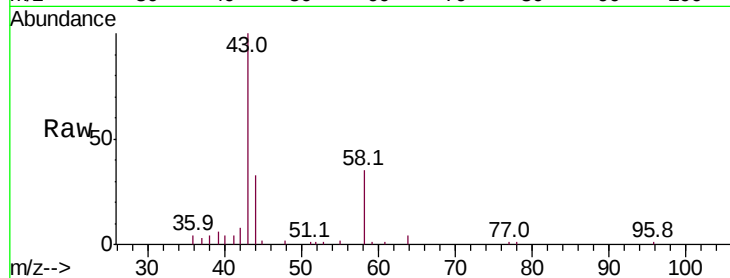
58 36.0 26.3 39.5

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



Abundance Ion 43.00 (42.70 to 43.70): VU033362.D (-230) (-)

Ion 58.00 (57.70 to 58.70): VU033362.D (-230) (-)

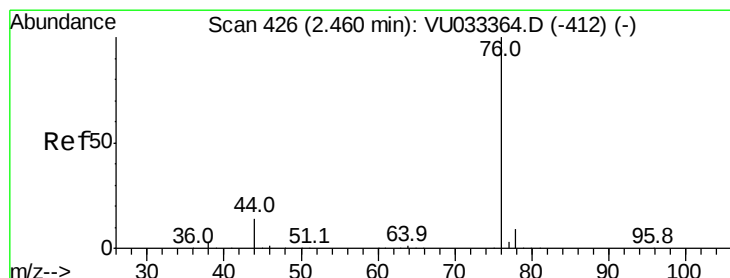
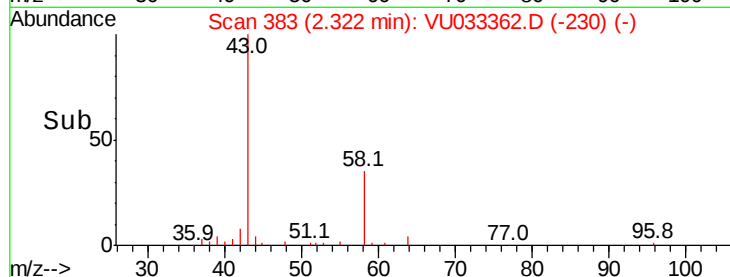
2.32

10000

5000

0

Time-->



#14

Carbon Disulfide

Concen: 2.454 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033362.D

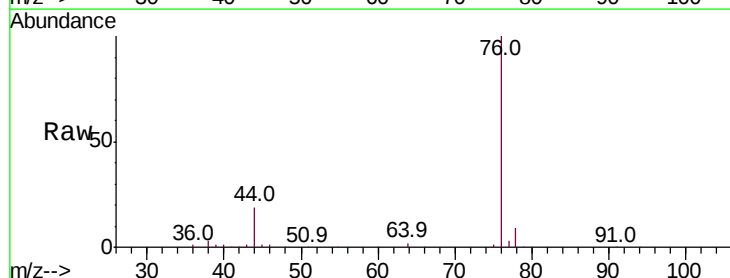
Acq: 22 Jul 2019 20:08

Tgt Ion: 76 Resp: 78997

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033362.D (-271) (-)

Ion 78.00 (77.70 to 78.70): VU033362.D (-271) (-)

2.46

50000

40000

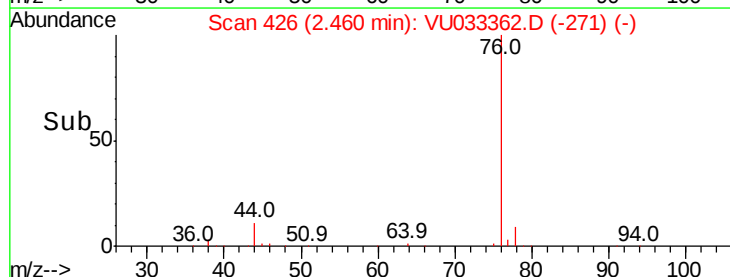
30000

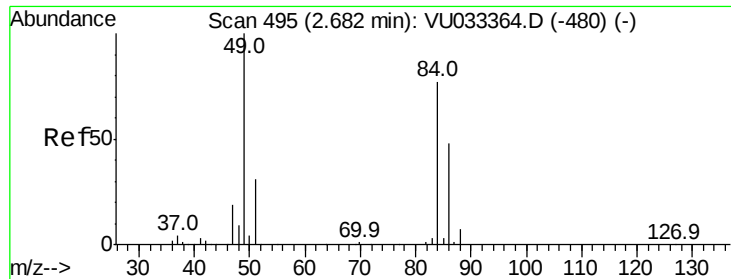
20000

10000

0

Time-->





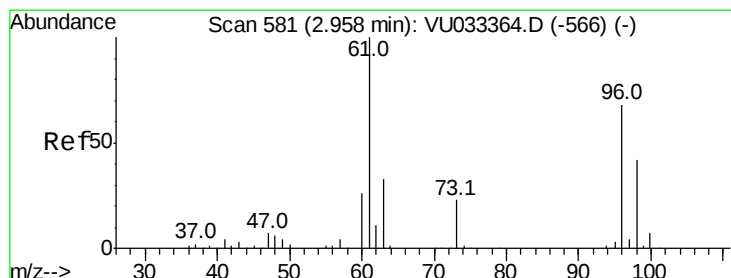
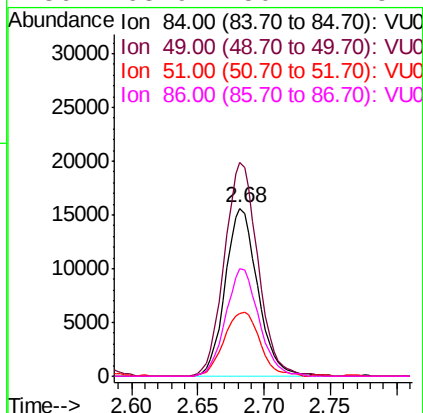
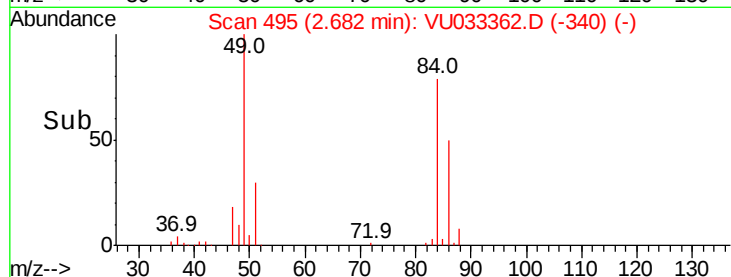
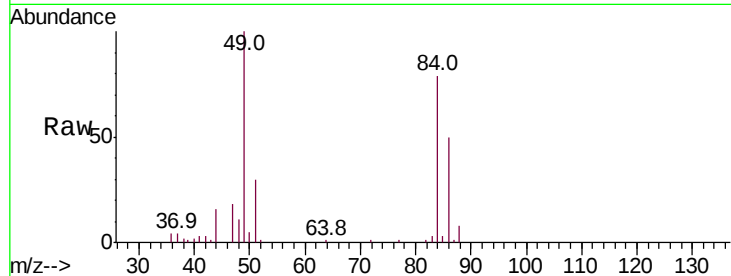
#15
Methvlene Chloride
Concen: 2.496 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
84	100		
49	127.2	103.5	155.3
51	37.6	0.0	80.4
86	63.9	50.1	75.1

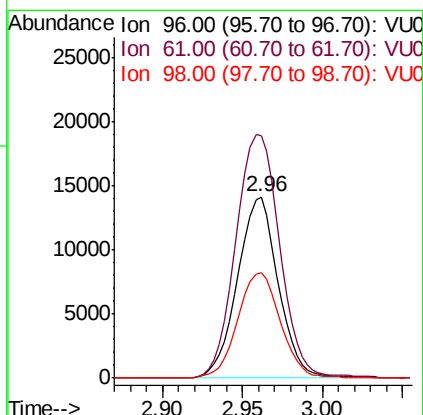
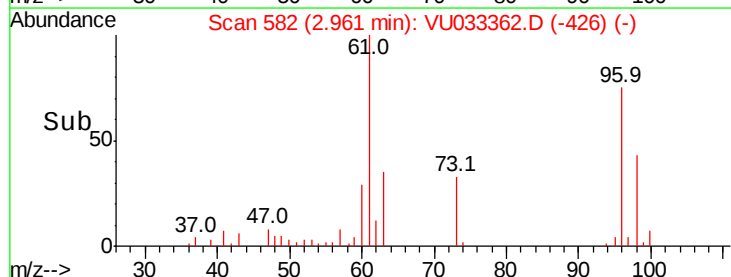
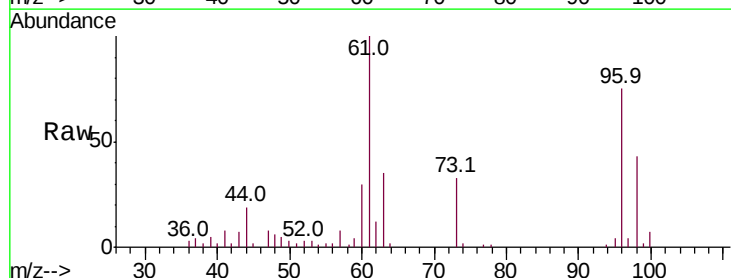
Manual Integrations
APPROVED

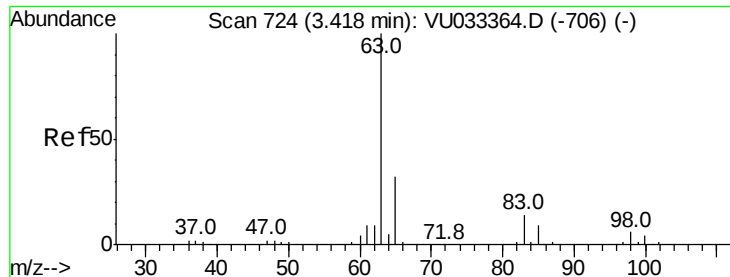
MMDadoda
7/23/2019 8:54:48 AM



#16
trans-1,2-Dichloroethene
Concen: 2.594 ug/l
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.0	118.0	177.0
98	57.9	49.4	74.2





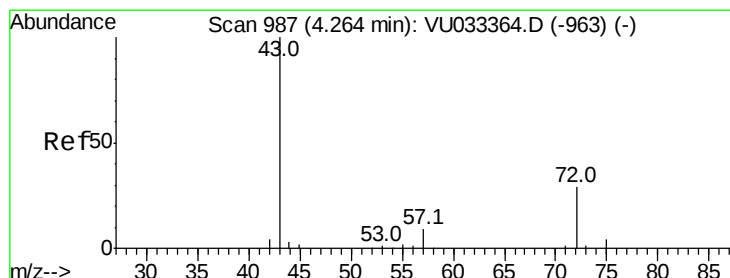
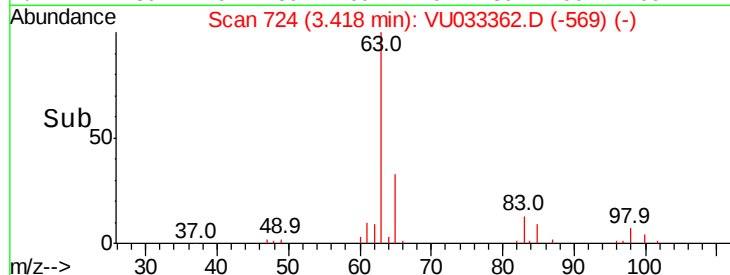
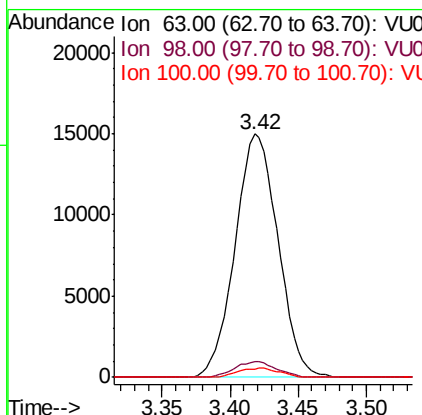
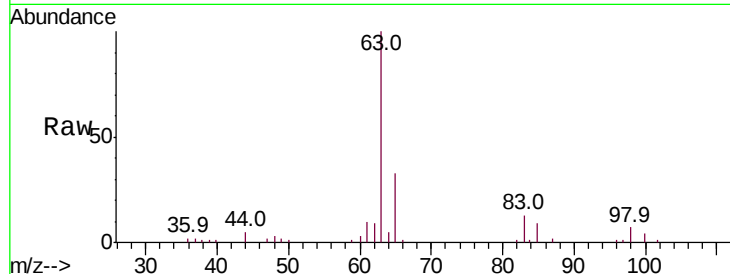
#17
 1,1-Dichloroethane
 Concen: 1.778 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.2	9.6
100	3.6	2.1	6.2

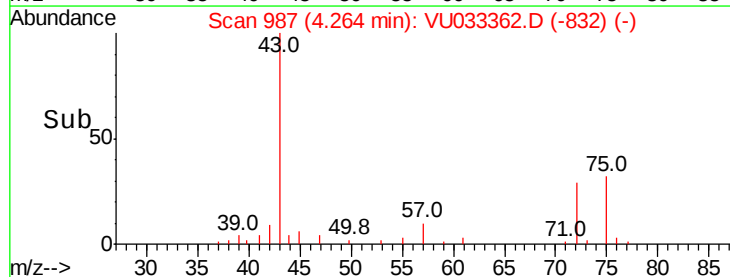
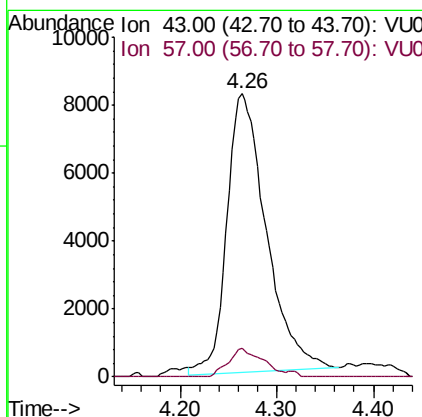
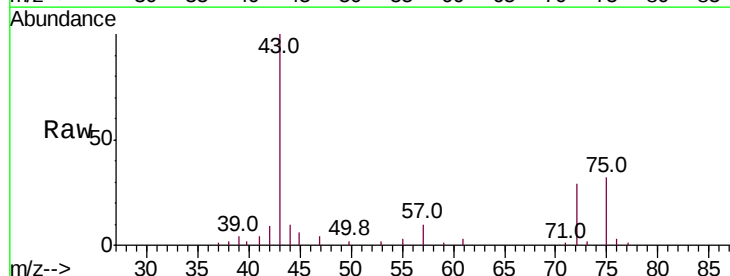
Manual Integrations
 APPROVED

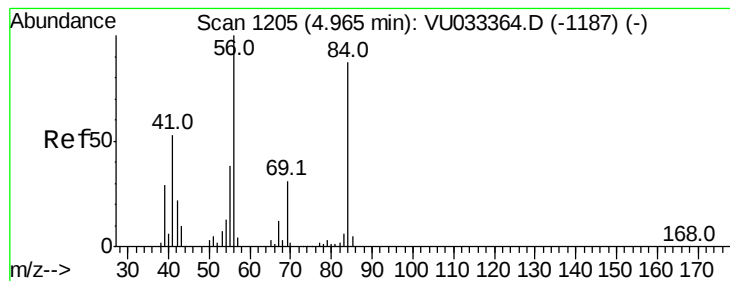
MMDadoda
 7/23/2019 8:54:48 AM



#18
 2-Butanone
 Concen: 8.246 ug/l
 RT: 4.26 min Scan# 987
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.3	0.0	17.0





#19

Cyclohexane

Concen: 1.566 ug/l m

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 56 Resp: 21976

Ion Ratio Lower Upper

56 100

69 31.6 25.0 37.4

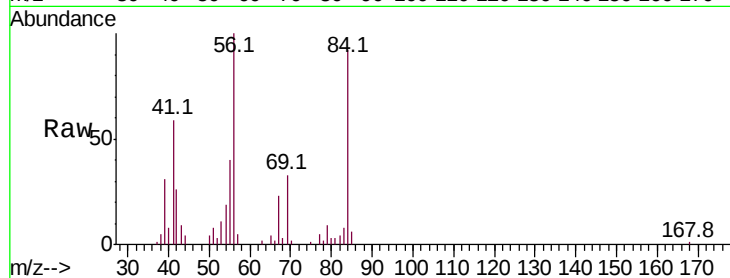
84 89.8 69.8 104.6

Manual Integrations

APPROVED

MMDadoda

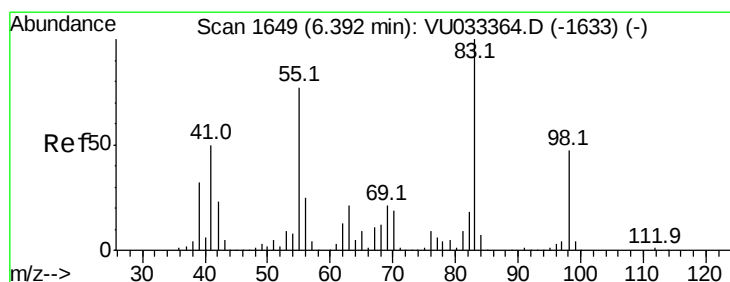
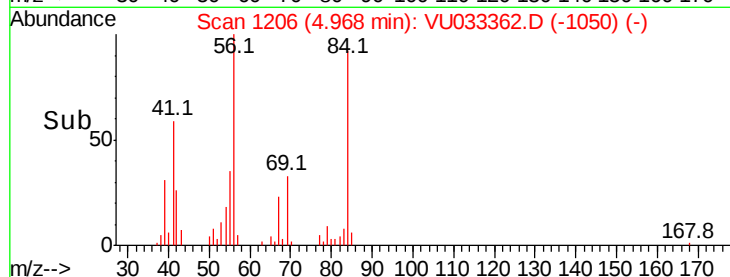
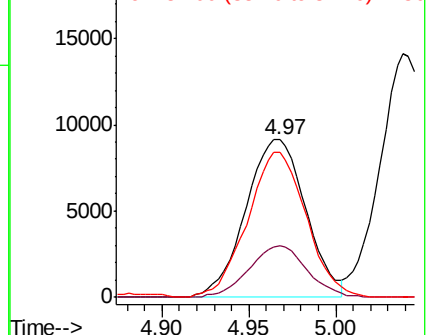
7/23/2019 8:54:48 AM



Abundance Ion 56.00 (55.70 to 56.70): VU033362.D (-1050) (-)

Ion 69.00 (68.70 to 69.70): VU033362.D (-1050) (-)

Ion 84.00 (83.70 to 84.70): VU033362.D (-1050) (-)



#20

Methylcyclohexane

Concen: 1.864 ug/l

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

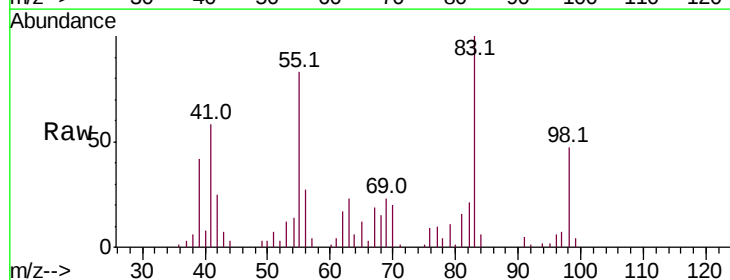
Tgt Ion: 83 Resp: 21685

Ion Ratio Lower Upper

83 100

55 86.6 62.3 93.5

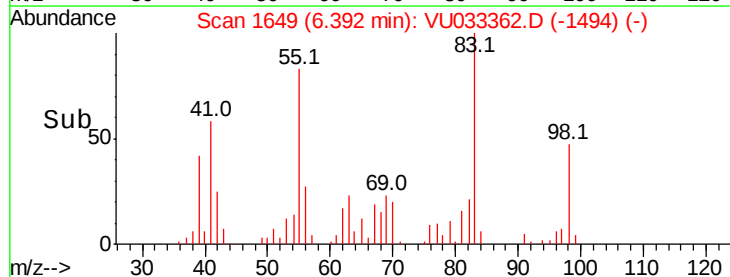
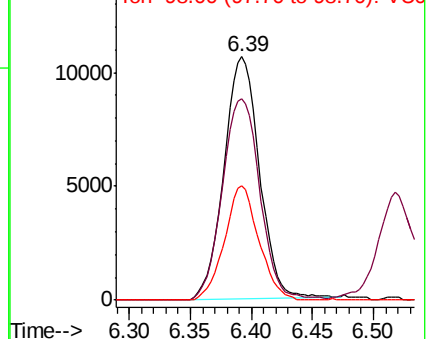
98 45.5 37.4 56.0

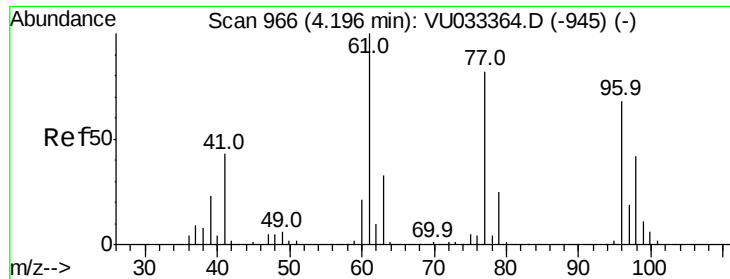


Abundance Ion 83.00 (82.70 to 83.70): VU033362.D (-1494) (-)

Ion 55.00 (54.70 to 55.70): VU033362.D (-1494) (-)

Ion 98.00 (97.70 to 98.70): VU033362.D (-1494) (-)





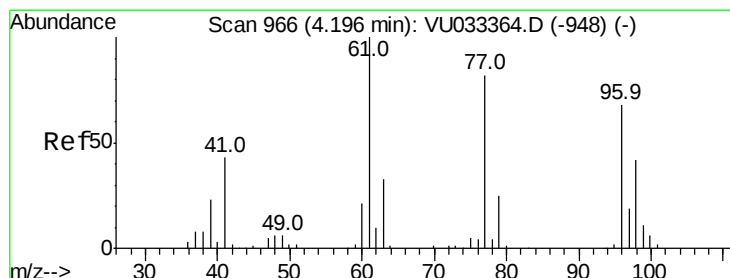
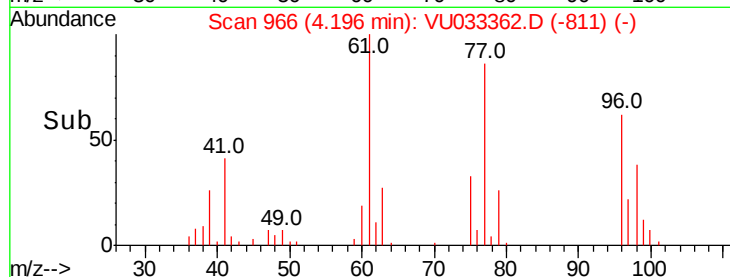
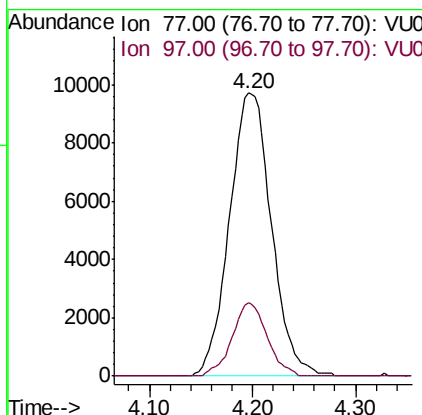
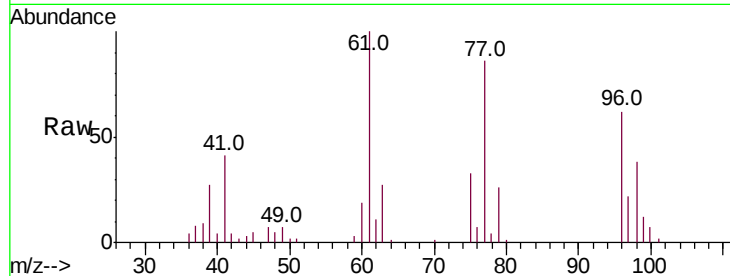
#21
 2,2-Dichloropropane
 Concen: 2.011 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 77 Resp: 27483
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.8 26.8

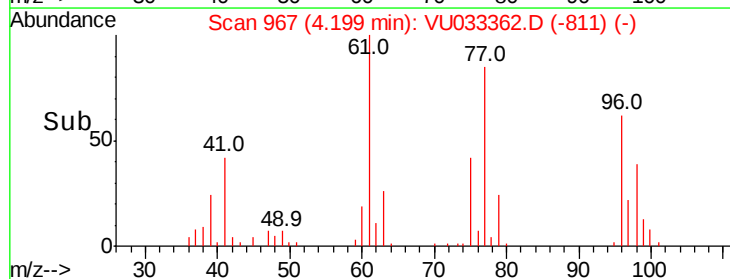
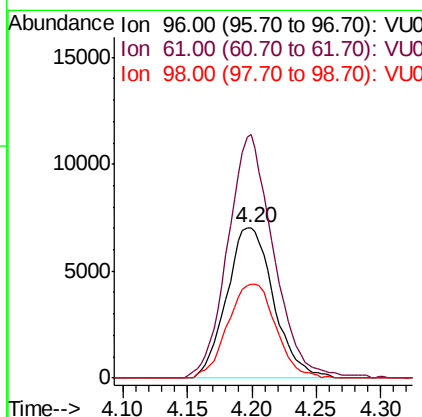
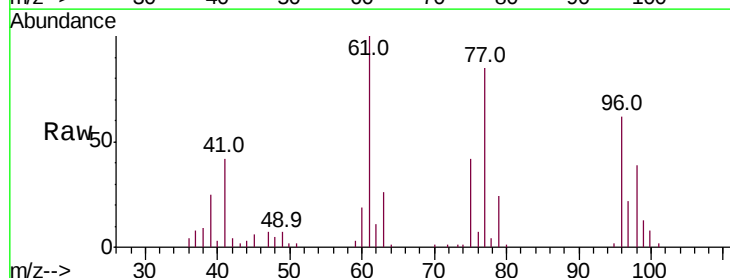
Manual Integrations
 APPROVED

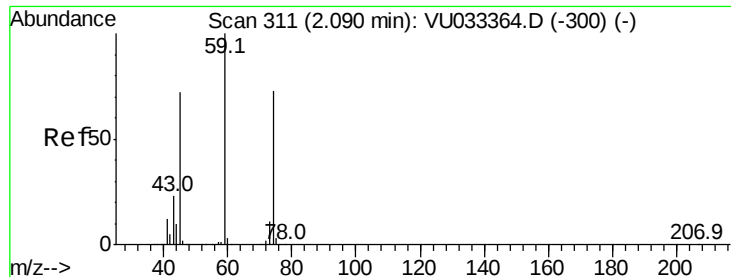
MMDadoda
 7/23/2019 8:54:48 AM



#22
 cis-1,2-Dichloroethene
 Concen: 1.855 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion: 96 Resp: 17816
 Ion Ratio Lower Upper
 96 100
 61 157.8 0.0 376.3
 98 63.5 31.9 95.9





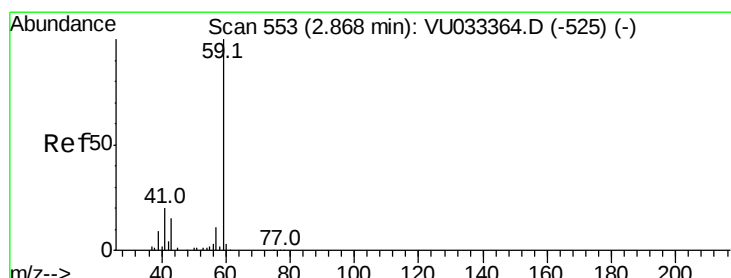
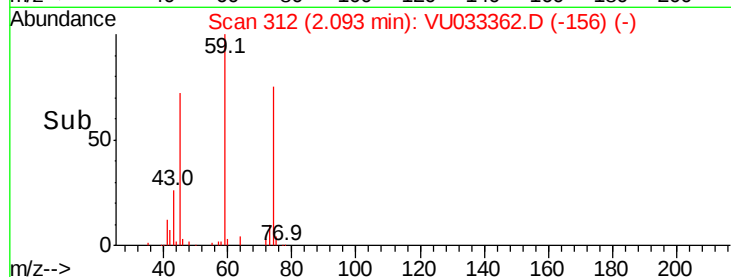
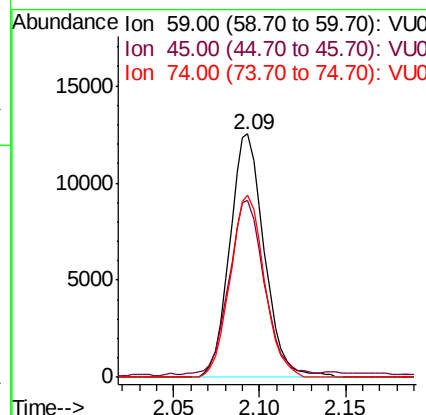
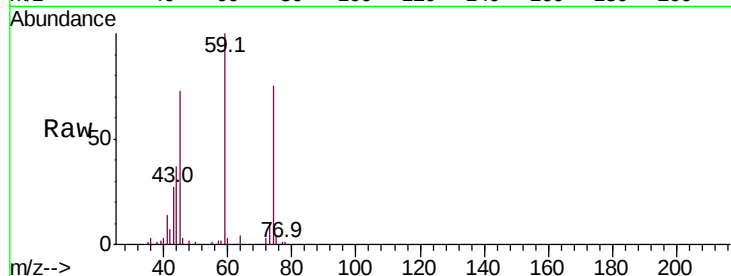
#23
Diethyl Ether
Concen: 2.216 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
45	72.8	57.6	86.4
74	74.2	57.8	86.6

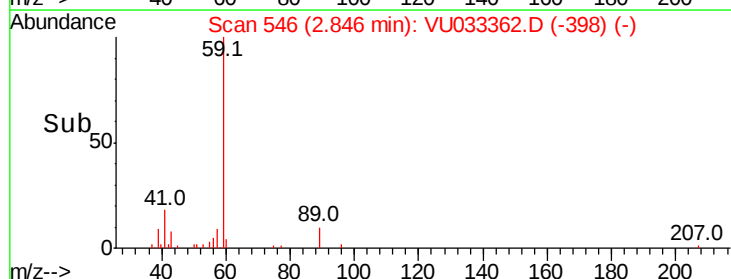
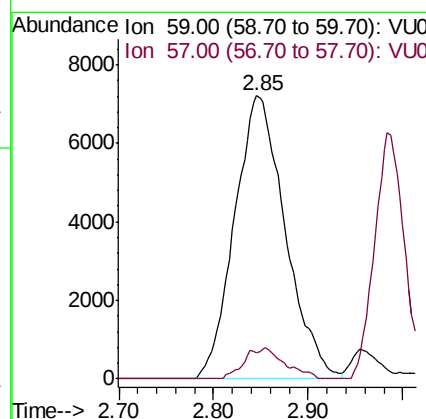
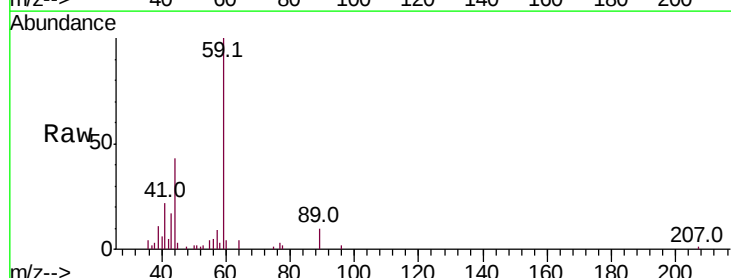
Manual Integrations
APPROVED

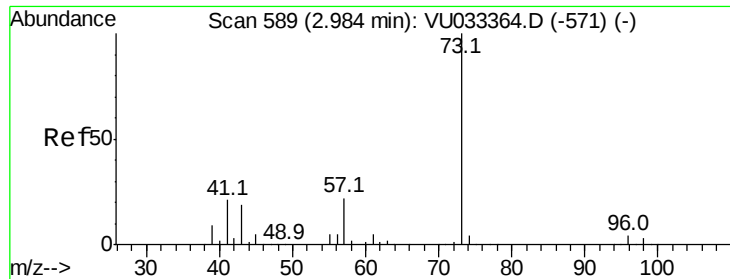
MMDadoda
7/23/2019 8:54:48 AM



#24
tert-Butyl Alcohol
Concen: 31.145 ug/l
RT: 2.85 min Scan# 546
Delta R.T. -0.02 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.1	7.8	11.8#





#25

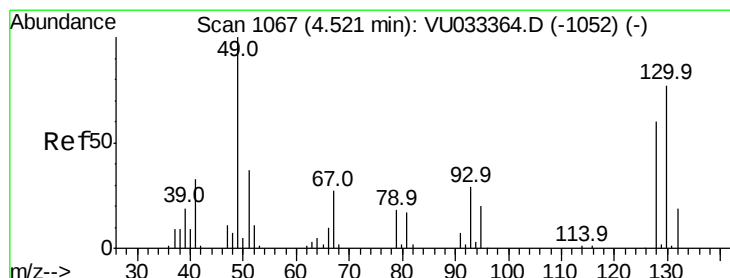
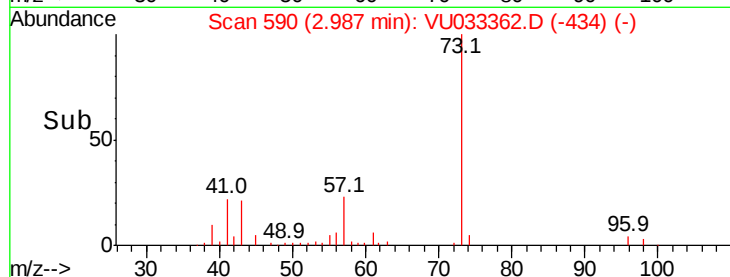
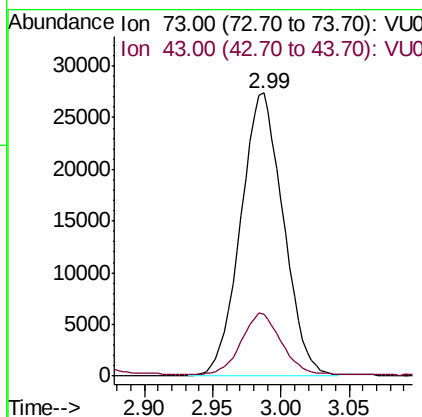
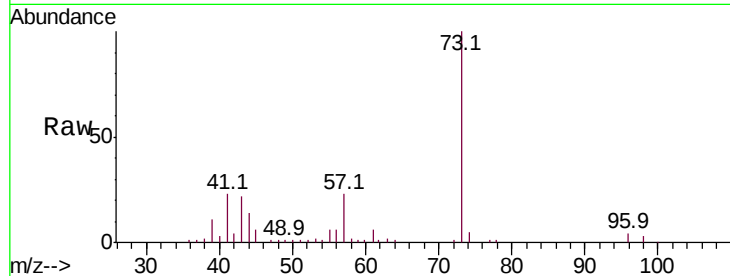
Methyl tert-Butyl Ether
 Concen: 2.437 ug/l
 RT: 2.99 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.6	24.8

Manual Integrations
 APPROVED

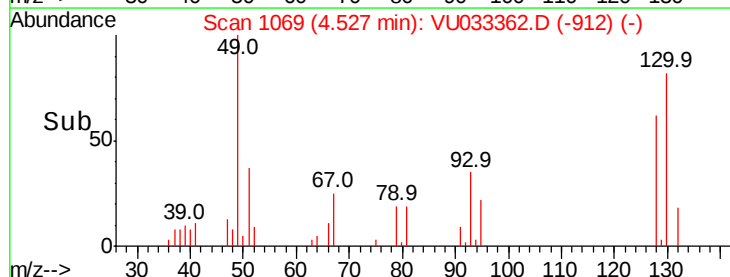
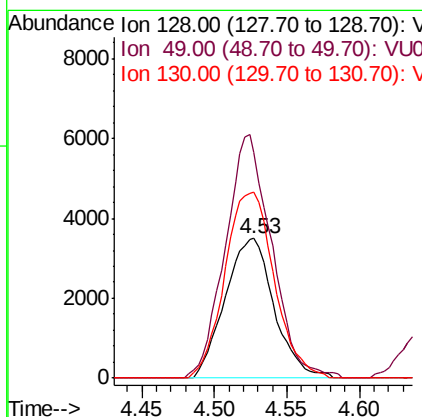
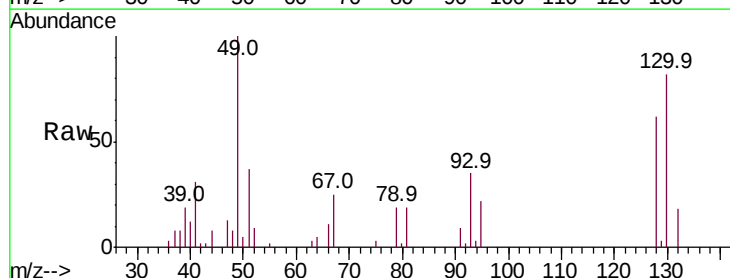
MMDadoda
 7/23/2019 8:54:48 AM

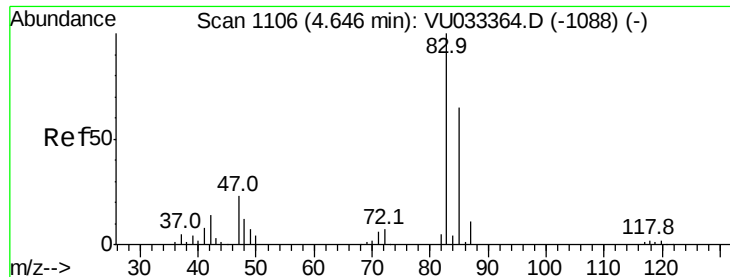


#26

Bromochloromethane
 Concen: 2.017 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.01 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.3	0.0	333.4
130	133.8	103.4	155.2





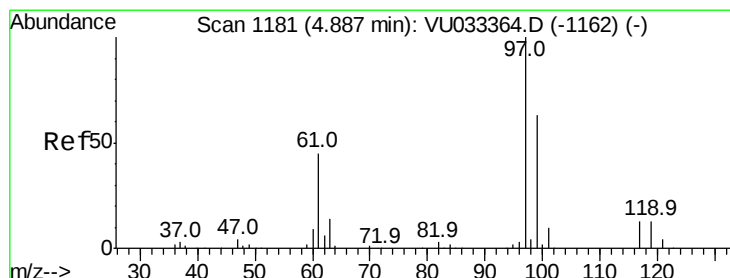
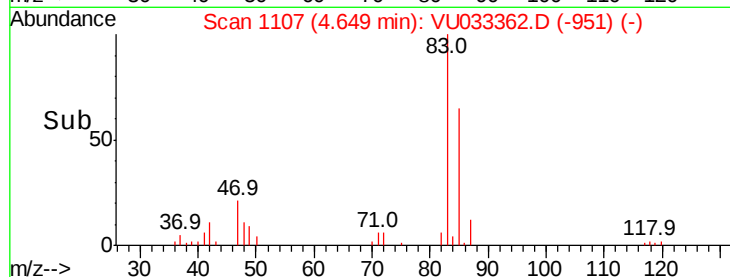
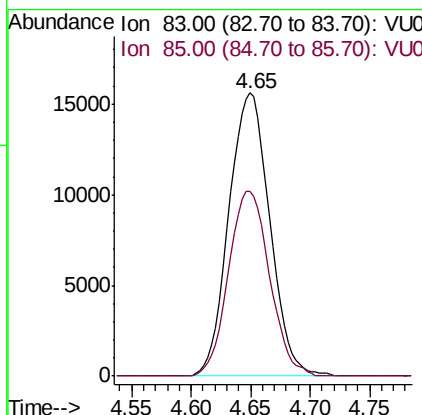
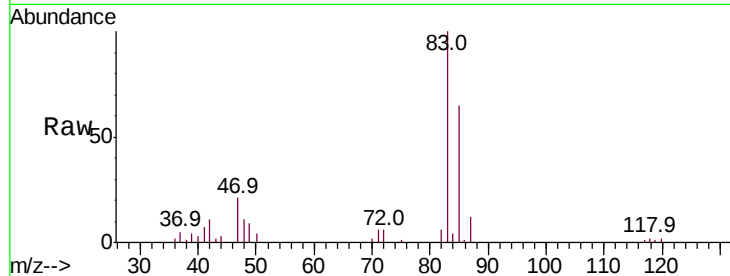
#27
Chloroform
Concen: 2.139 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	37230
Ion Ratio	100	Lower	Upper
85	65.2	0.0	129.8

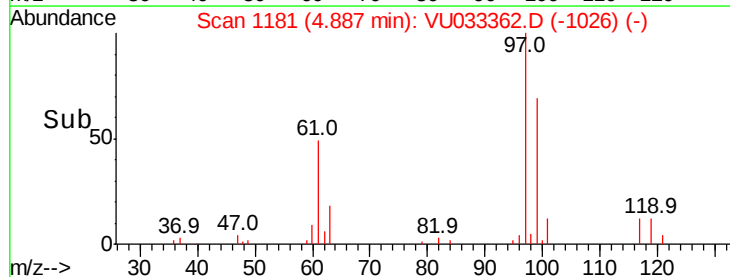
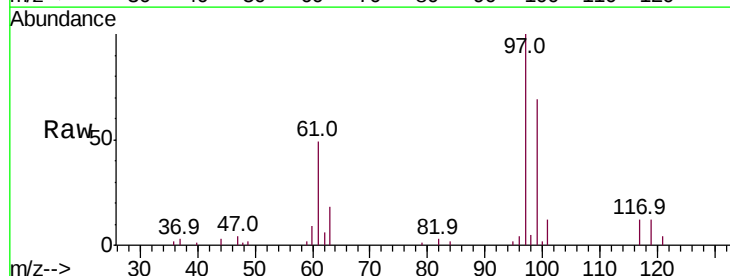
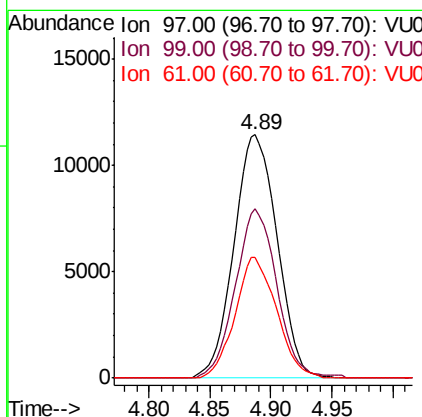
Manual Integrations
APPROVED

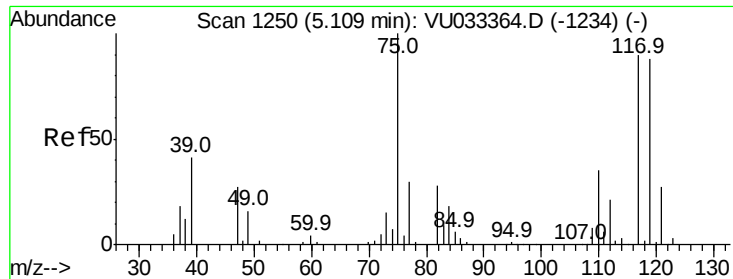
MMDadoda
7/23/2019 8:54:48 AM



#28
1,1,1-Trichloroethane
Concen: 1.908 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	97	Resp	28084
Ion Ratio	100	Lower	Upper
99	66.6	31.9	95.5
61	47.5	22.7	68.0





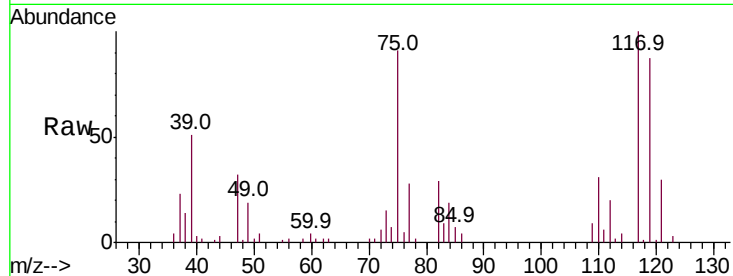
#29
 1,1-Dichloropropene
 Concen: 1.861 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

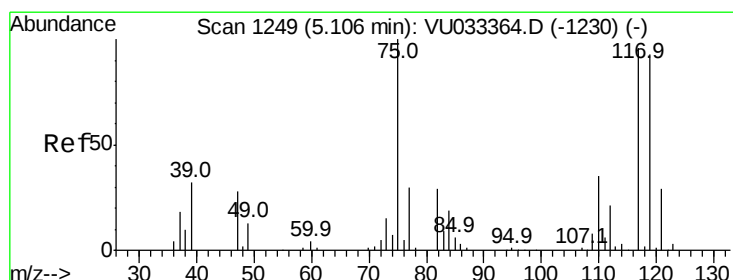
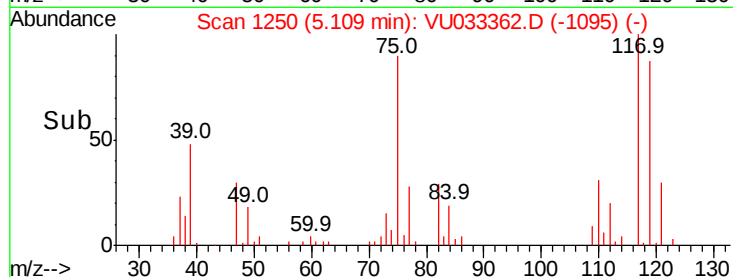
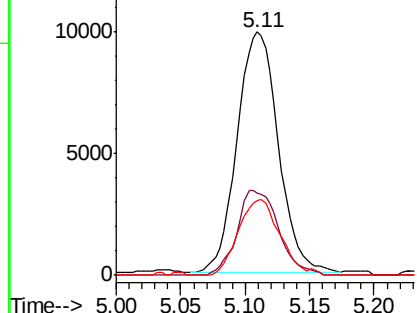
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.5	52.6
77	31.3	25.1	37.7

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 8:54:48 AM

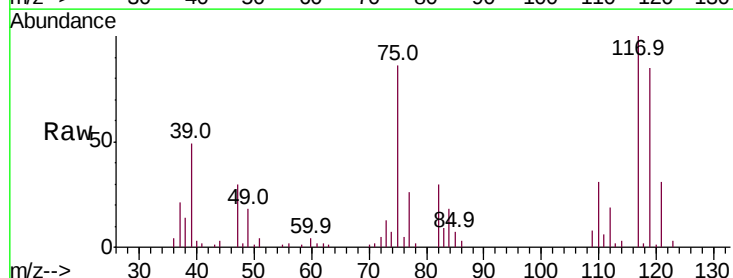


Abundance Ion 75.00 (74.70 to 75.70): VU033362.D (-1095) (-)
 Ion 110.00 (109.70 to 110.70): VU033362.D (-1095) (-)
 Ion 77.00 (76.70 to 77.70): VU033362.D (-1095) (-)

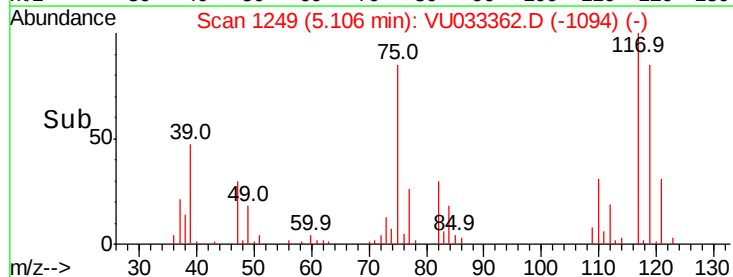
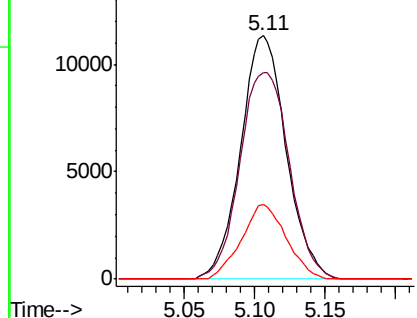


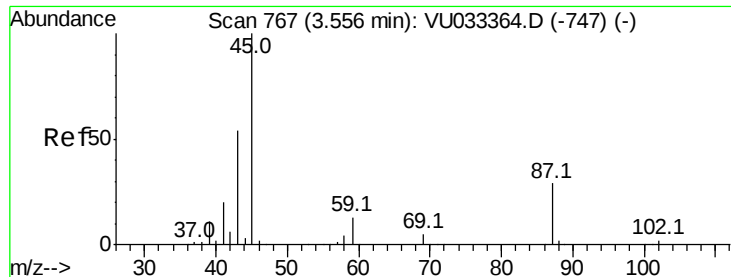
#30
 Carbon Tetrachloride
 Concen: 2.037 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.9	77.9	116.9
121	30.6	24.0	36.0



Abundance Ion 117.00 (116.70 to 117.70): VU033362.D (-1094) (-)
 Ion 119.00 (118.70 to 119.70): VU033362.D (-1094) (-)
 Ion 121.00 (120.70 to 121.70): VU033362.D (-1094) (-)





#31

Isopropyl Ether

Concen: 1.466 ug/l

RT: 3.56 min Scan# 768

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 39514

Ion Ratio Lower Upper

45 100

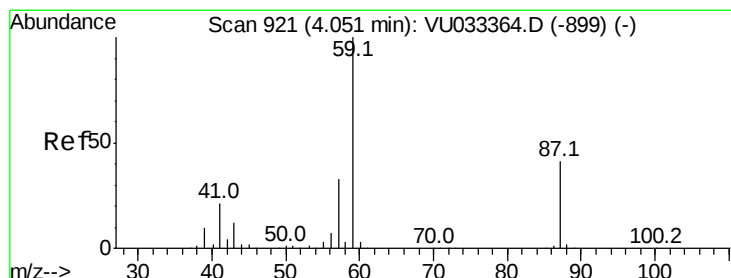
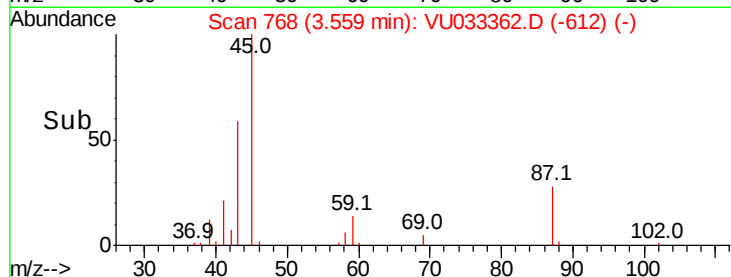
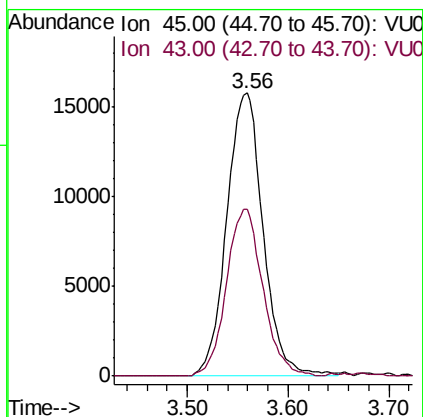
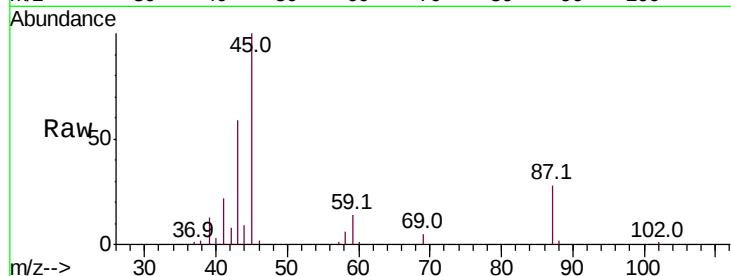
43 59.1 27.8 83.3

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#32

Ethyl-t-butyl ether

Concen: 1.624 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU033362.D

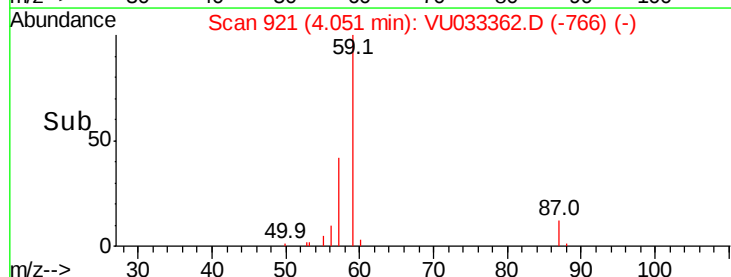
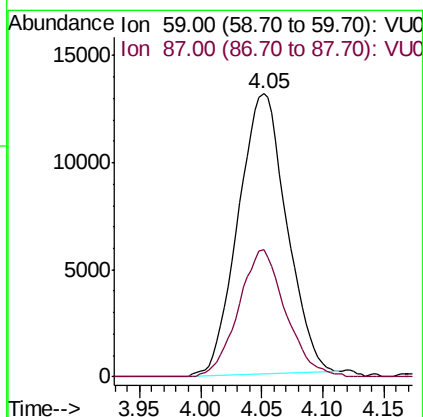
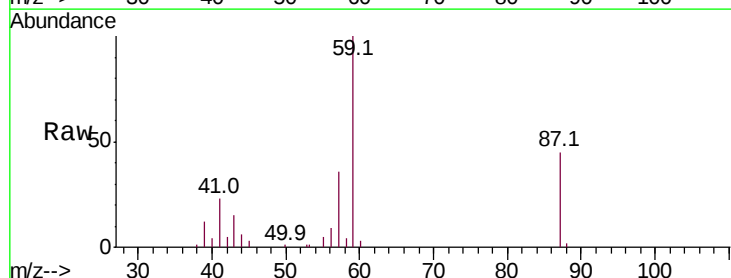
Acq: 22 Jul 2019 20:08

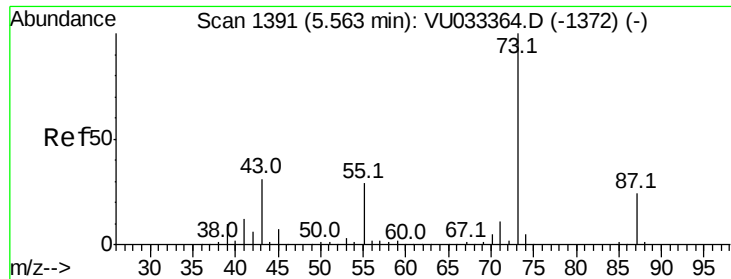
Tgt Ion: 59 Resp: 36229

Ion Ratio Lower Upper

59 100

87 43.9 33.8 50.6





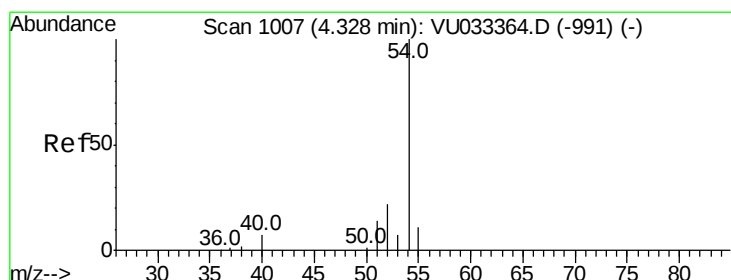
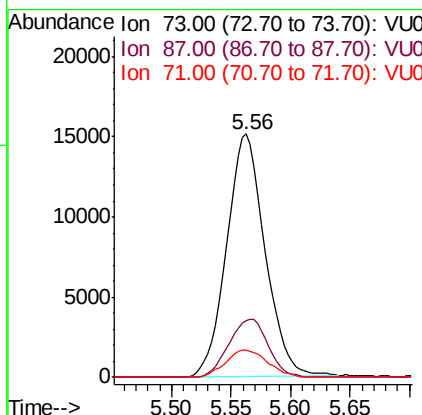
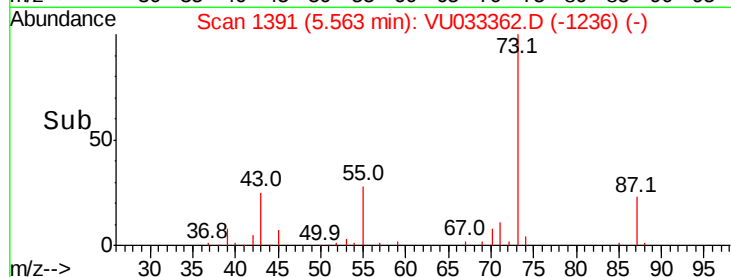
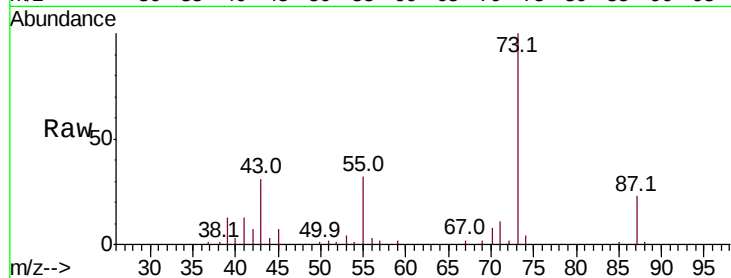
#33
Tert-Amvl methvl ether
Concen: 1.866 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	18.9	28.3
71	12.3	9.3	13.9

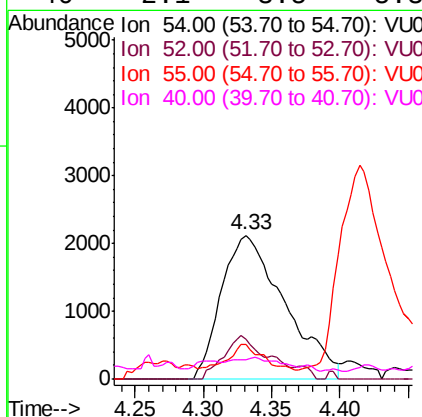
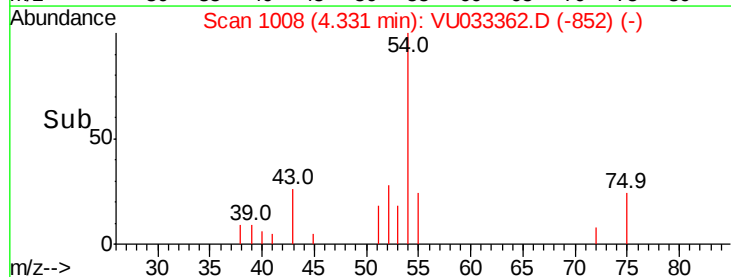
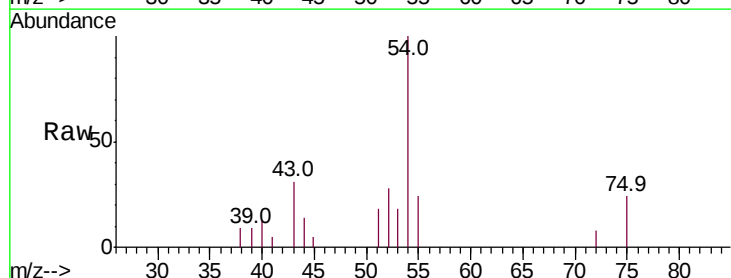
Manual Integrations
APPROVED

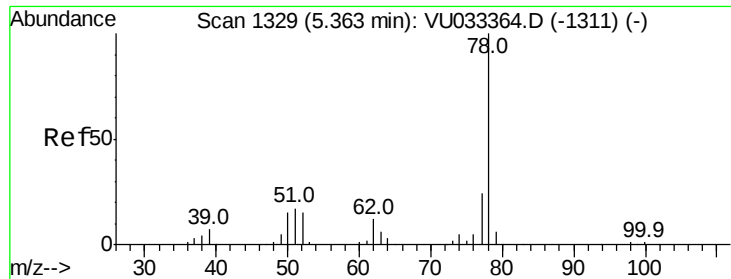
MMDadoda
7/23/2019 8:54:48 AM



#34
Propionitrile
Concen: 8.886 ug/l
RT: 4.33 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.6	17.1	25.7
55	9.2	11.6	17.4#
40	2.1	3.5	5.3#





#35

Benzene

Concen: 1.877 ug/l

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 67718

Ion Ratio Lower Upper

78 100

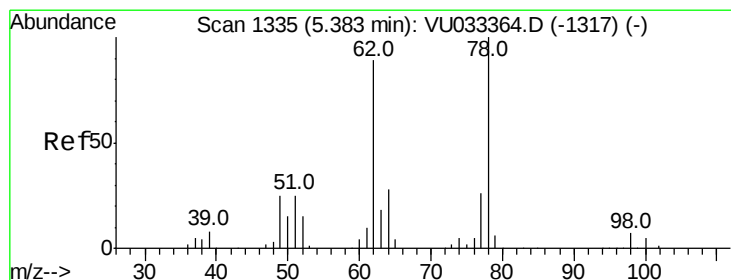
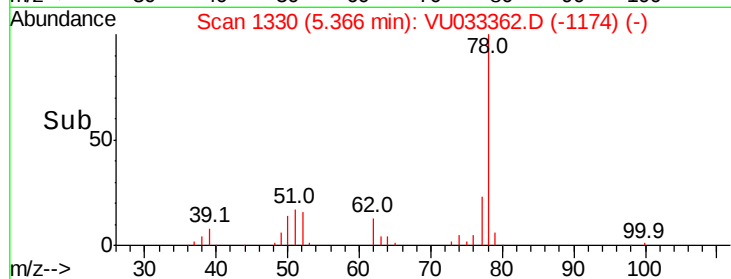
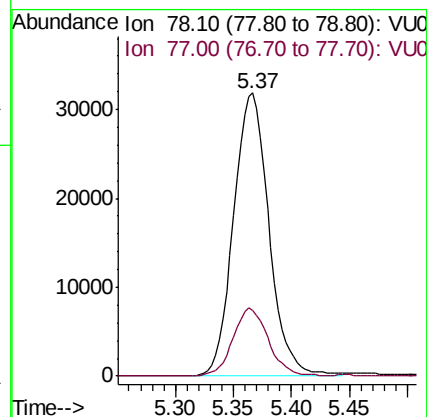
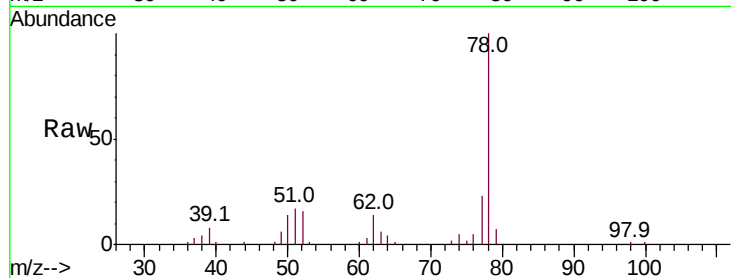
77 23.3 19.4 29.2

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#36

1,2-Dichloroethane

Concen: 1.958 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033362.D

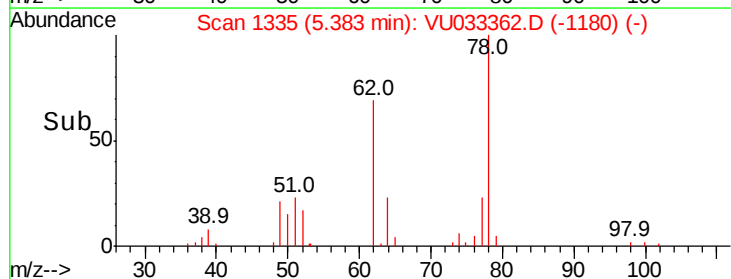
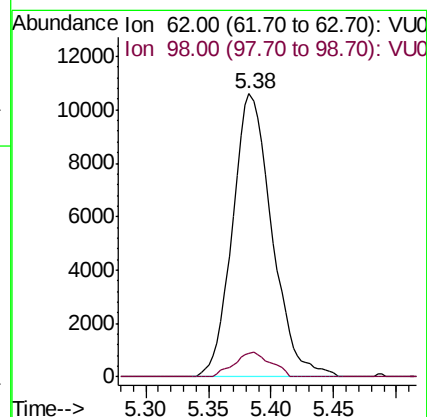
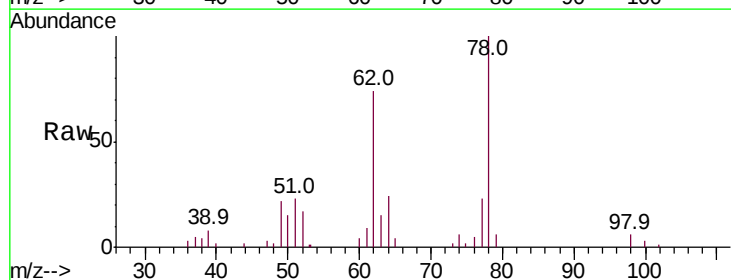
Acq: 22 Jul 2019 20:08

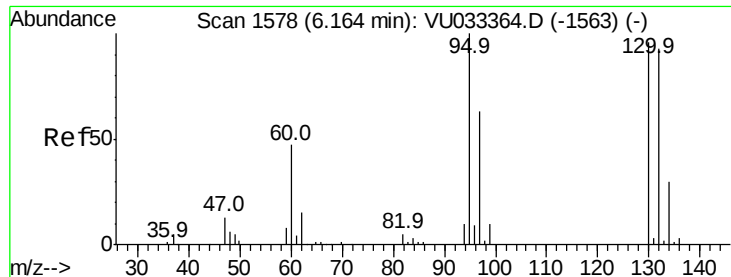
Tgt Ion: 62 Resp: 23191

Ion Ratio Lower Upper

62 100

98 8.1 6.5 9.7





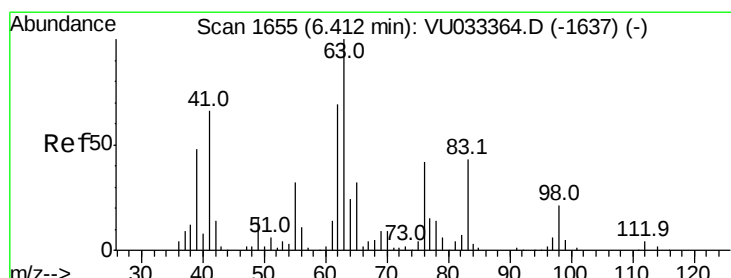
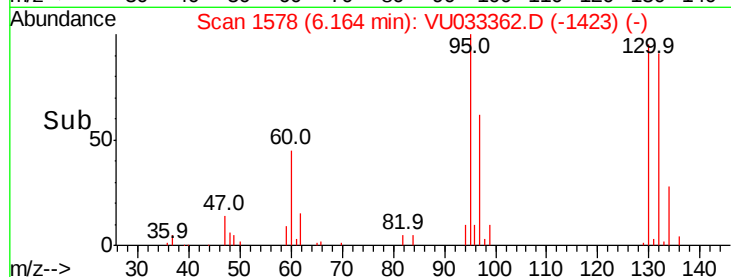
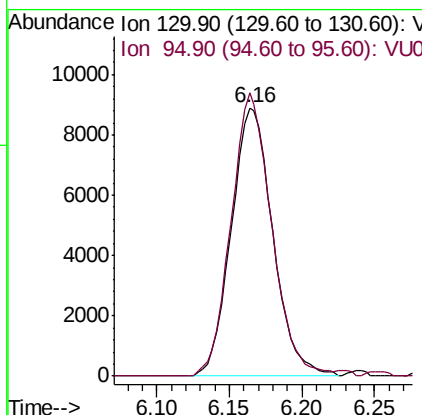
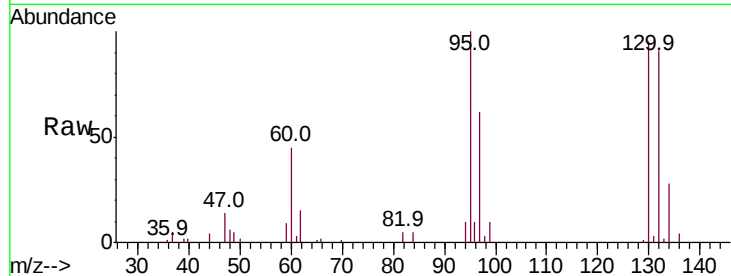
#37
 Trichloroethene
 Concen: 1.973 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:130 Resp: 17691
 Ion Ratio Lower Upper
 130 100
 95 105.5 83.4 125.0

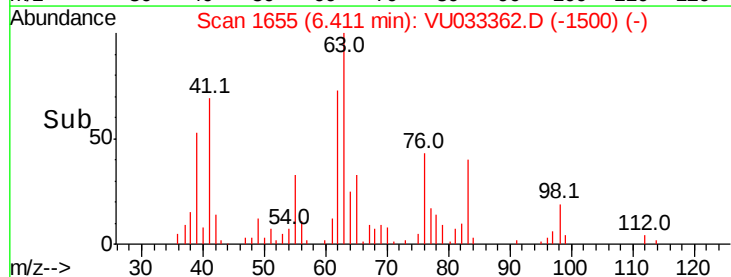
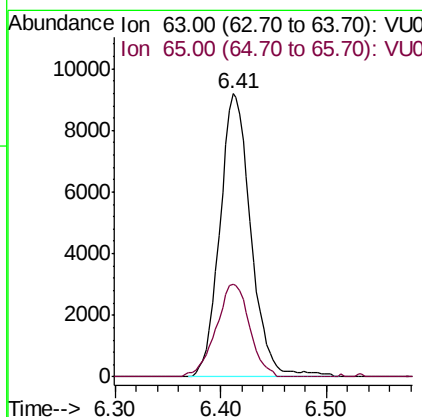
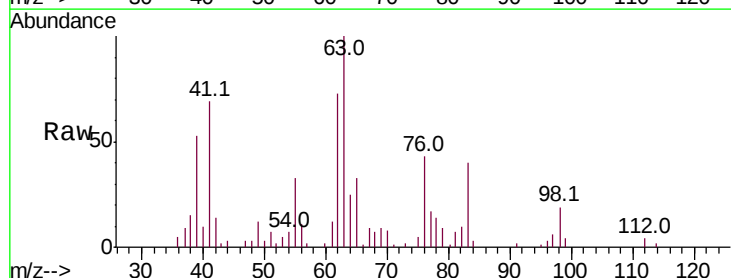
Manual Integrations
 APPROVED

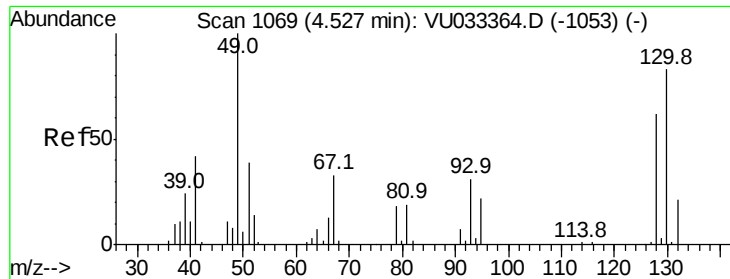
MMDadoda
 7/23/2019 8:54:48 AM



#38
 1,2-Dichloropropane
 Concen: 1.848 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion: 63 Resp: 18791
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.7 38.5





#39

Methacrylonitrile

Concen: 1.573 ug/l

RT: 4.53 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 4943

Ion Ratio Lower Upper

41 100

67 81.3 64.4 96.6

39 64.0 46.8 70.2

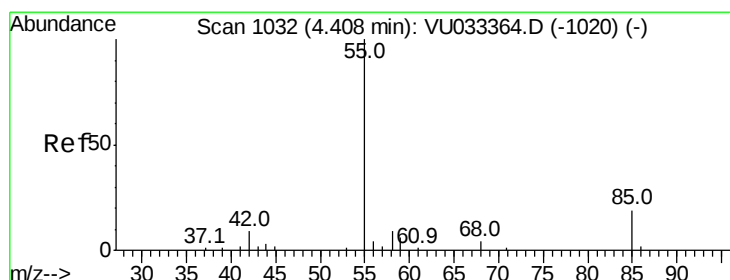
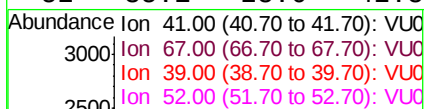
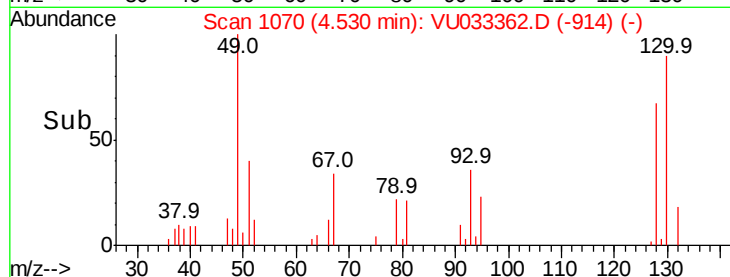
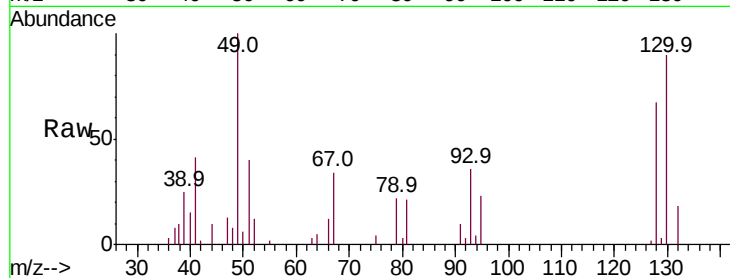
52 35.1 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#40

Methyl acrylate

Concen: 1.781 ug/l

RT: 4.41 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Tgt Ion: 55 Resp: 7425

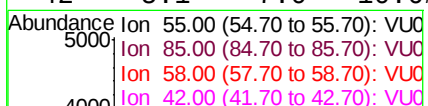
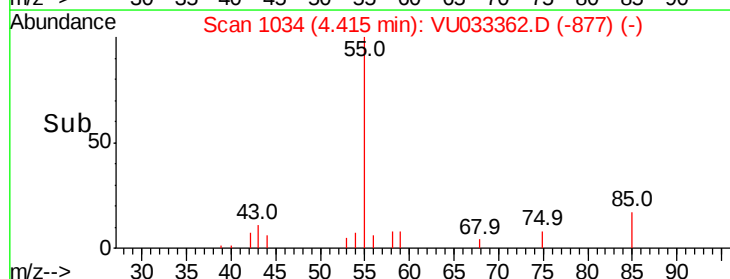
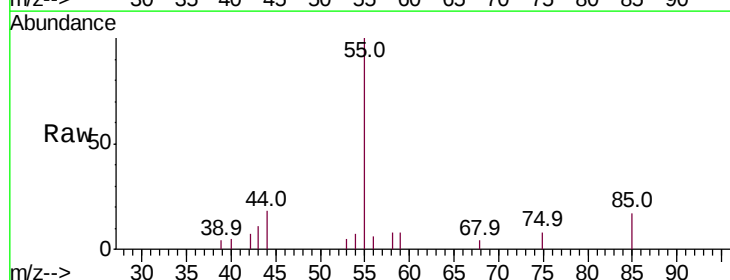
Ion Ratio Lower Upper

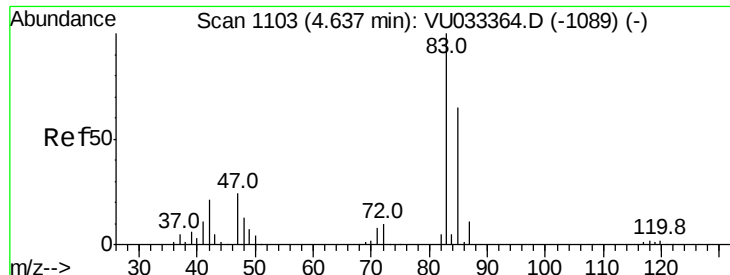
55 100

85 18.3 14.8 22.2

58 6.7 7.1 10.7#

42 5.1 7.0 10.6#





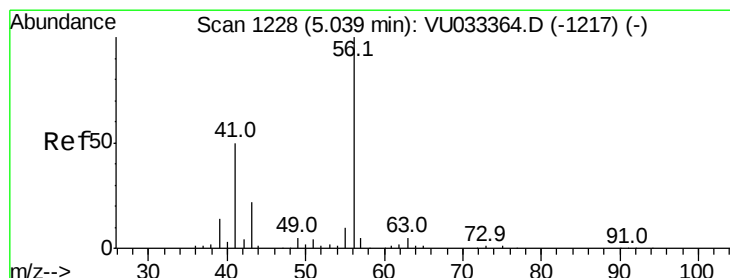
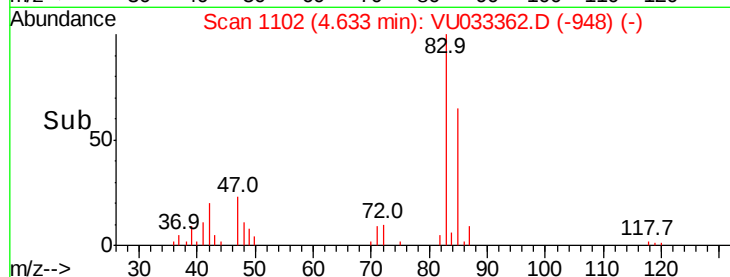
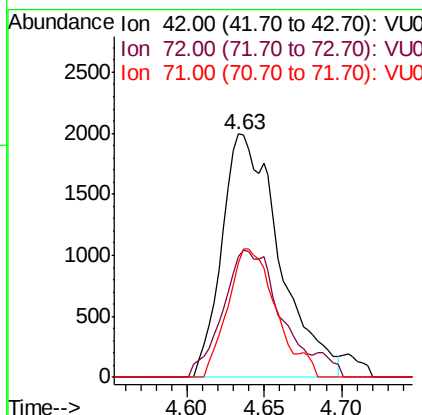
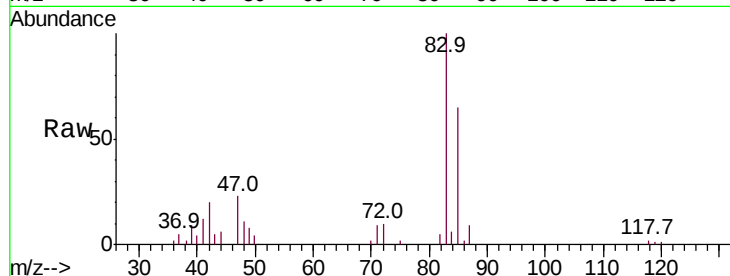
#41
Tetrahydrofuran
Concen: 2.980 ug/l
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	38.7	58.1
71	44.3	34.6	52.0

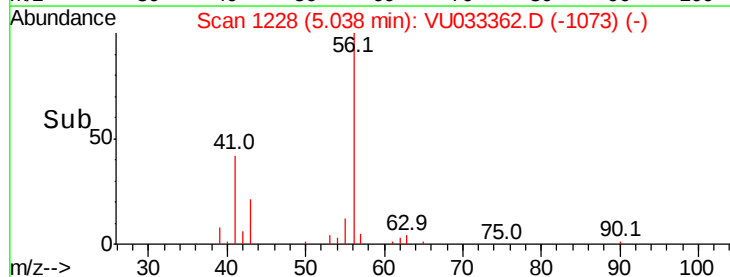
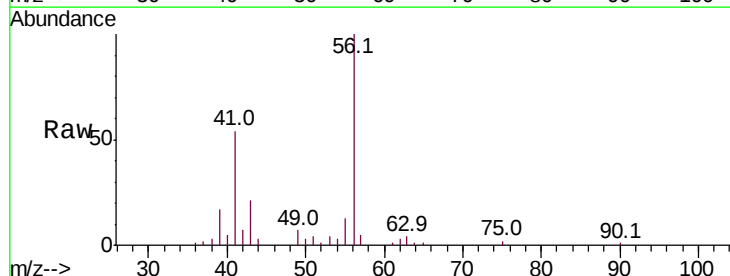
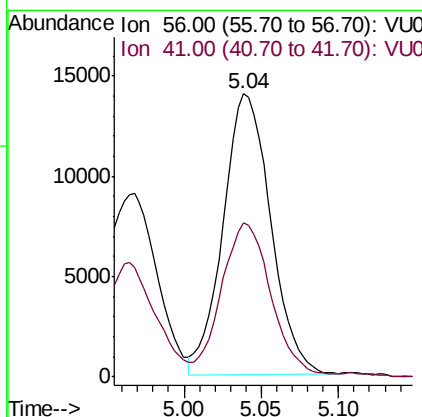
Manual Integrations
APPROVED

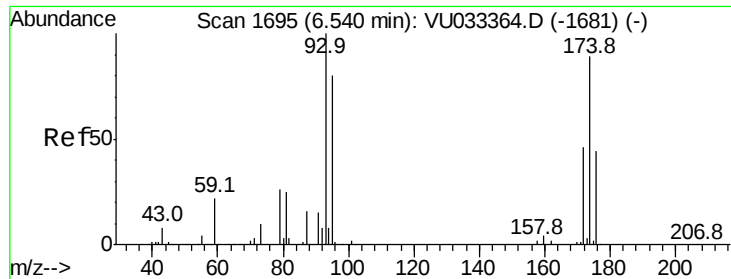
MMDadoda
7/23/2019 8:54:48 AM



#42
1-Chlorobutane
Concen: 1.693 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
56	100		
41	57.5	25.7	77.1





#43

Dibromomethane

Concen: 2.121 ug/l

RT: 6.54 min Scan# 1696

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 93 Resp: 10838

Ion Ratio Lower Upper

93 100

95 81.5 65.3 97.9

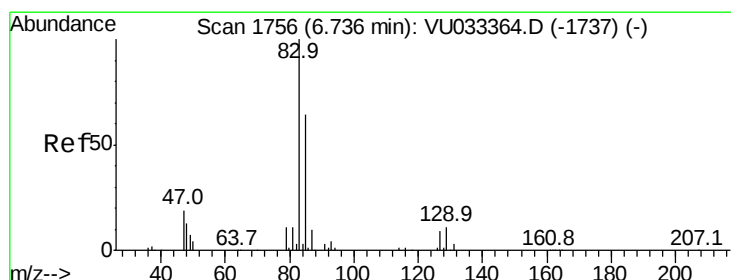
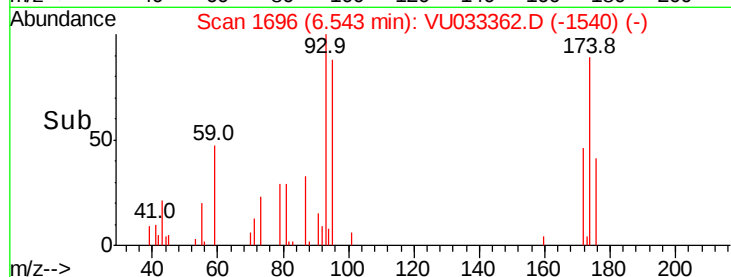
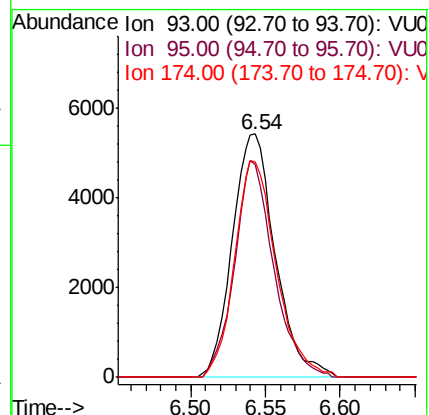
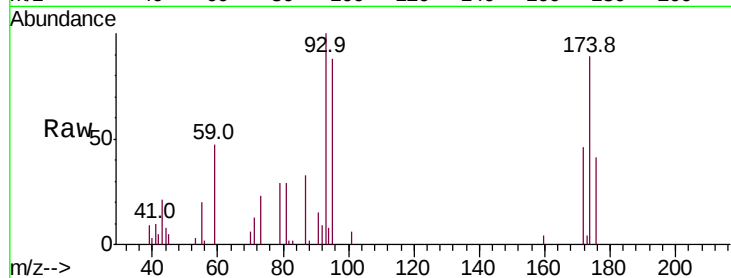
174 86.4 70.7 106.1

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#44

Bromodichloromethane

Concen: 1.986 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

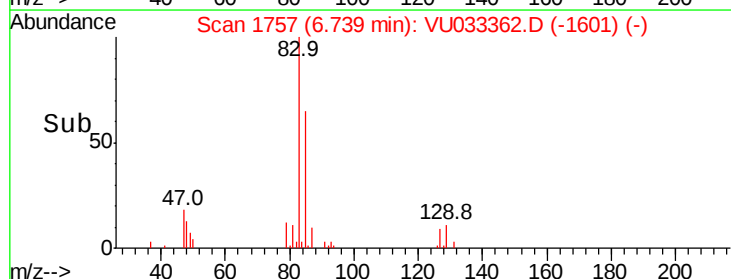
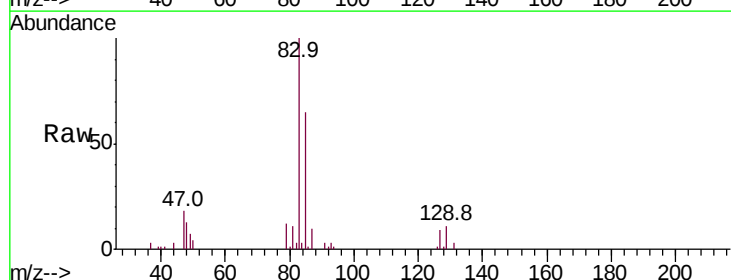
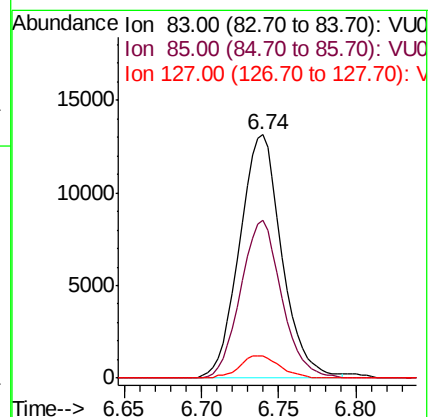
Tgt Ion: 83 Resp: 25002

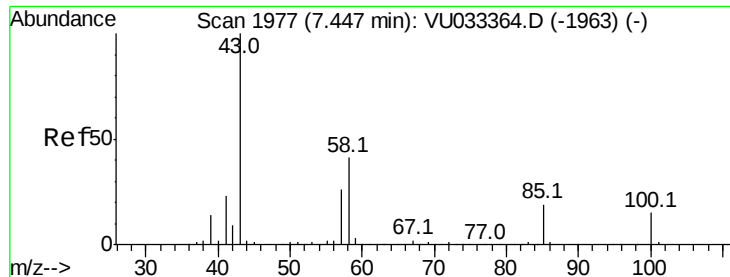
Ion Ratio Lower Upper

83 100

85 64.6 51.1 76.7

127 8.9 7.2 10.8





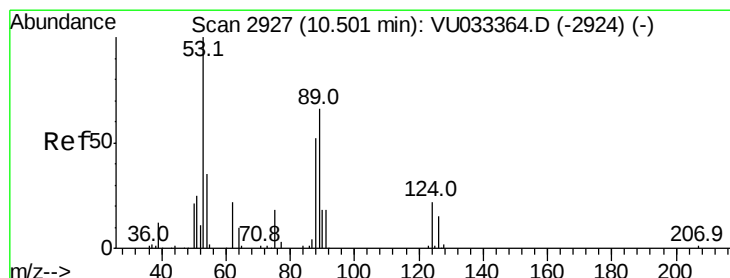
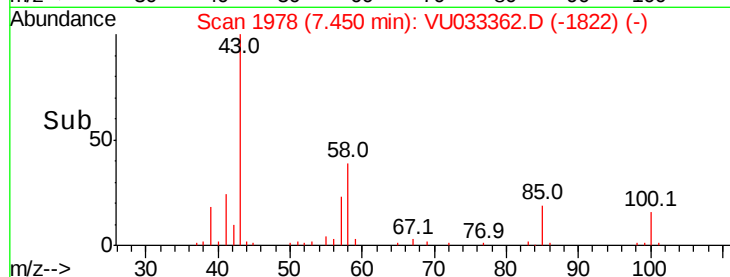
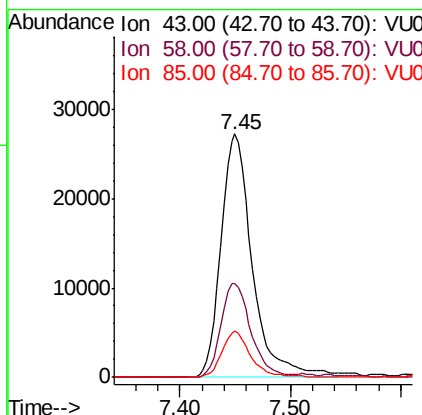
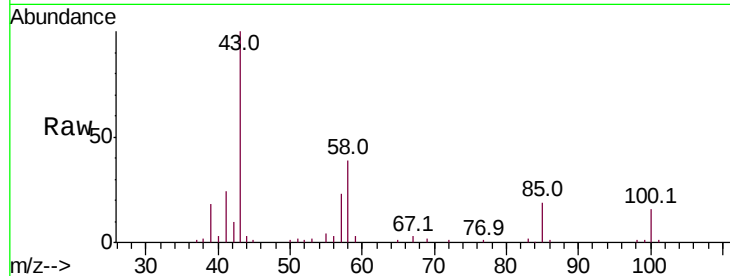
#45
4-Methyl-2-Pentanone
Concen: 9.057 ug/l
RT: 7.45 min Scan# 1978
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	20.3	60.8
85	17.1	15.0	22.6

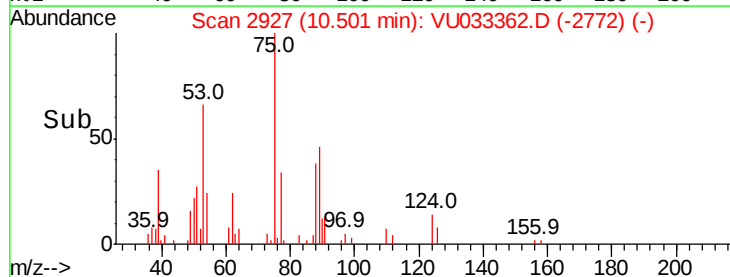
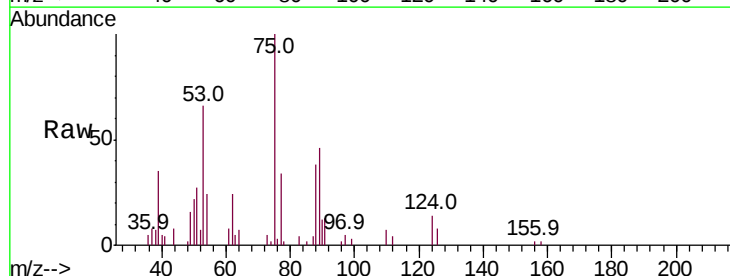
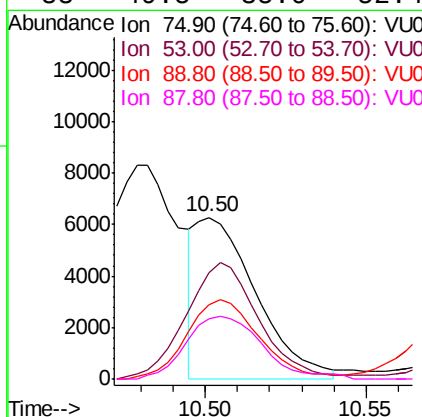
Manual Integrations
APPROVED

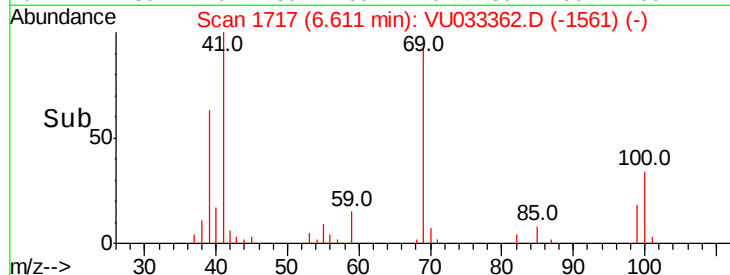
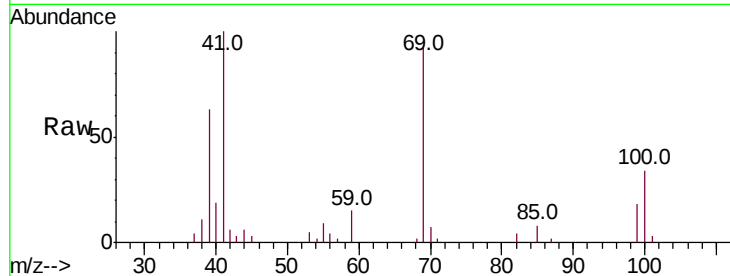
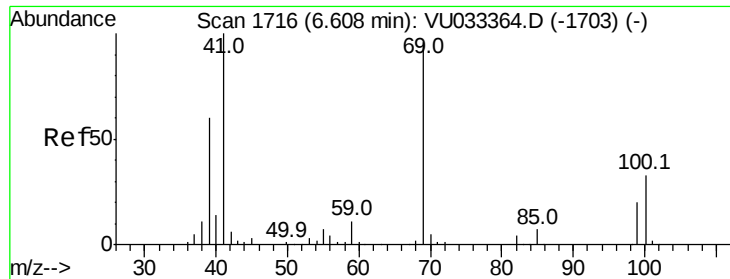
MMDadoda
7/23/2019 8:54:48 AM



#46
t-1,4-Dichloro-2-butene
Concen: 4.202 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	87.5	62.9	94.3
89	59.7	43.0	64.4
88	49.5	35.0	52.4





#47

Methyl methacrylate

Concen: 3.859 ug/l

RT: 6.61 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VU033362.D

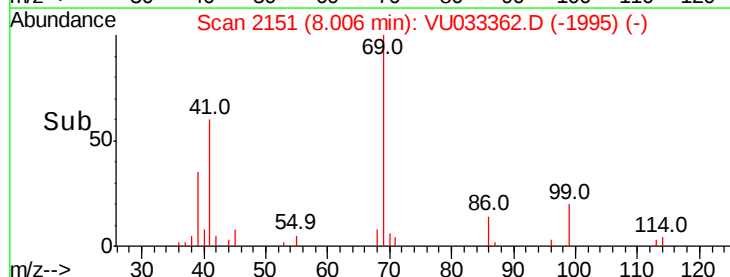
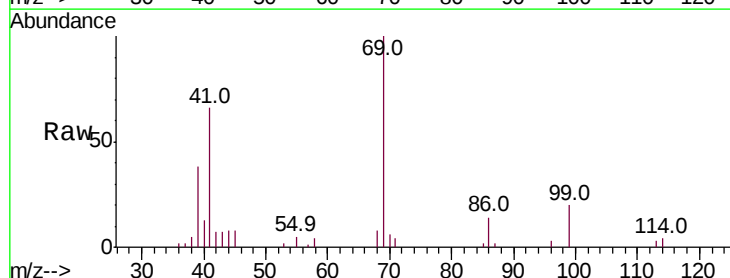
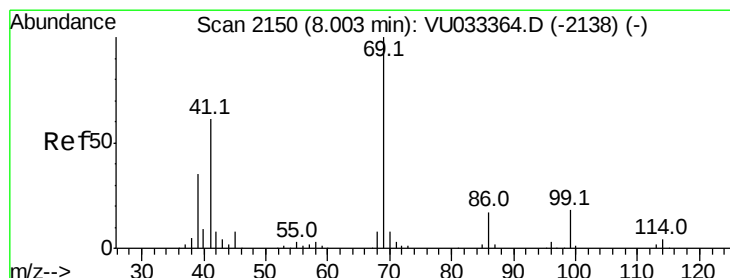
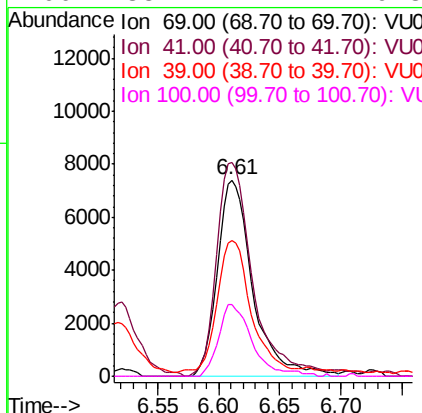
Acq: 22 Jul 2019 20:08

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		15068		
41	111.7	0.0	208.2		
39	64.0	50.6	75.8		
100	35.2	27.2	40.8		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



#48

Ethyl methacrylate

Concen: 1.914 ug/l

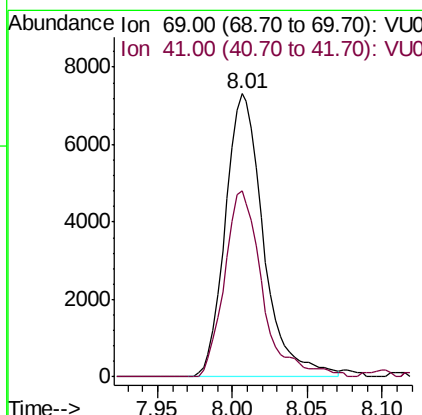
RT: 8.01 min Scan# 2151

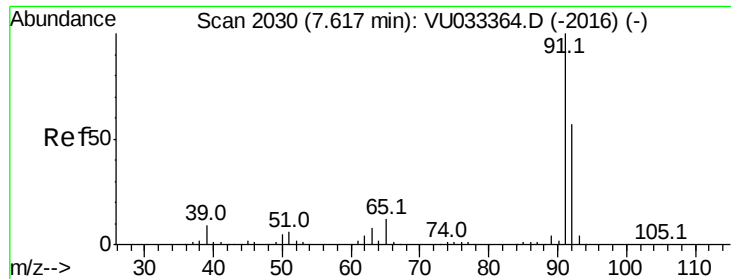
Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		13010		
41	65.2	30.9	92.7		





#49

Toluene

Concen: 2.028 ug/l

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 38593

Ion Ratio Lower Upper

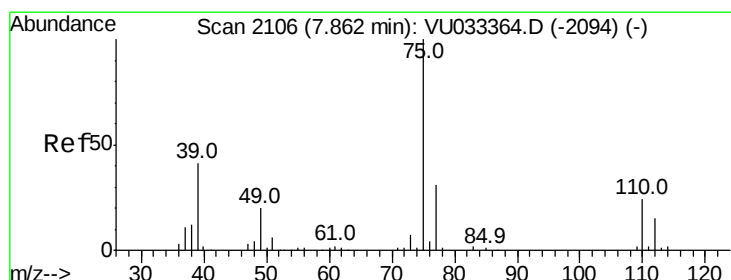
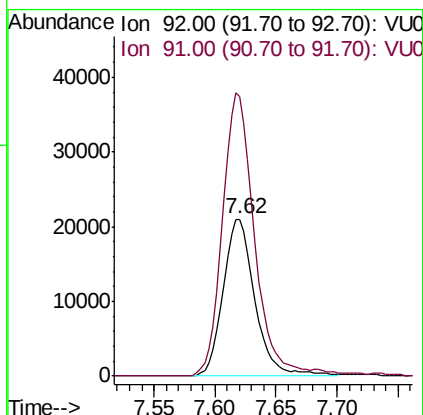
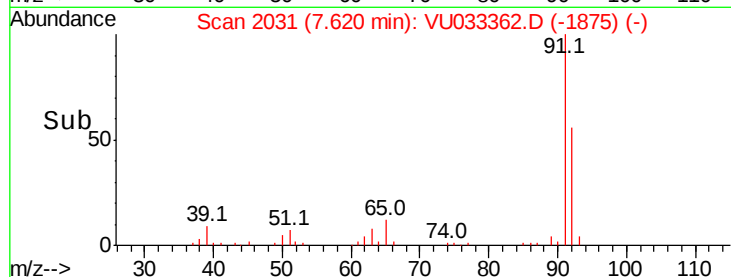
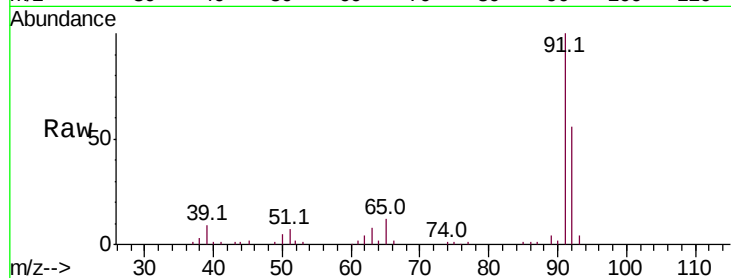
92 100

91 179.1 142.1 213.1

Manual Integrations
APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#50

t-1,3-Dichloropropene

Concen: 2.078 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033362.D

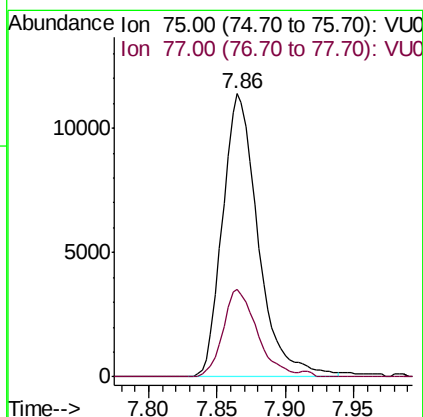
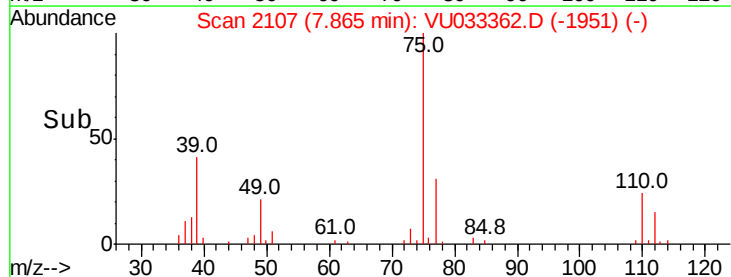
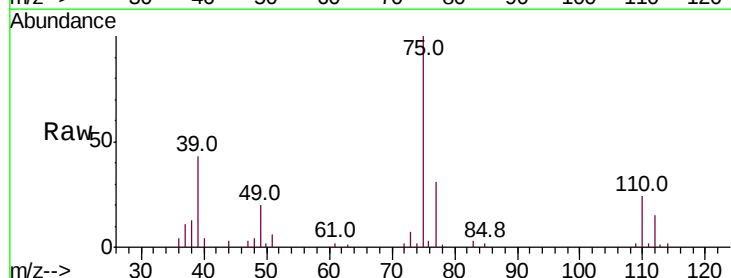
Acq: 22 Jul 2019 20:08

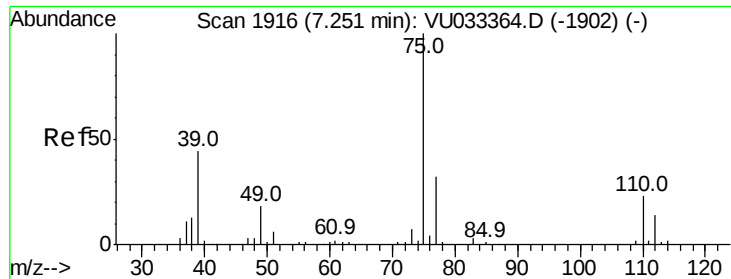
Tgt Ion: 75 Resp: 20725

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8





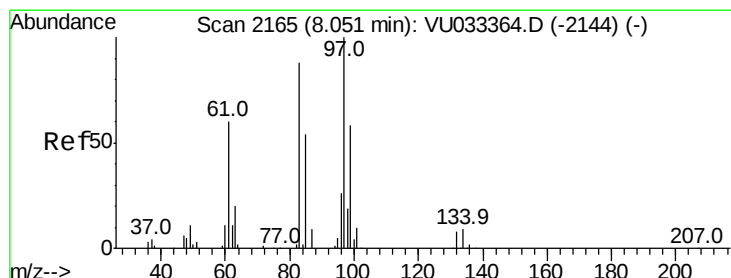
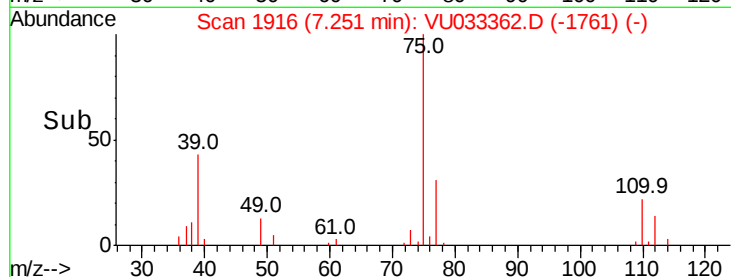
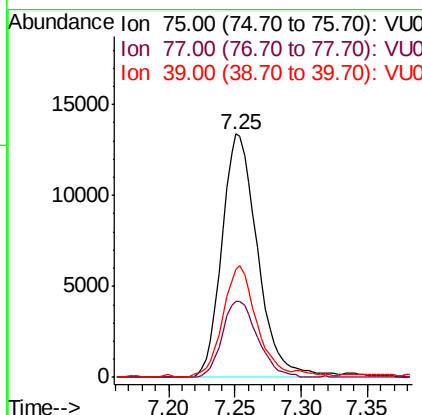
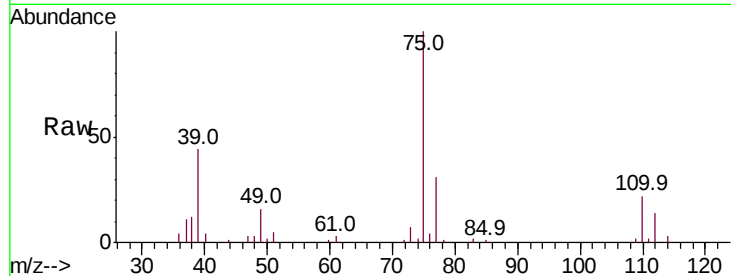
#51
 cis-1,3-Dichloropropene
 Concen: 2.076 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.8
39	44.5	35.2	52.8

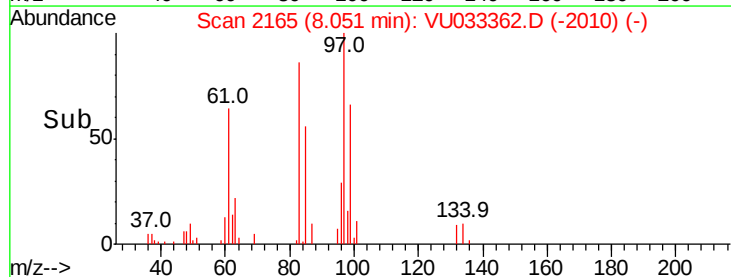
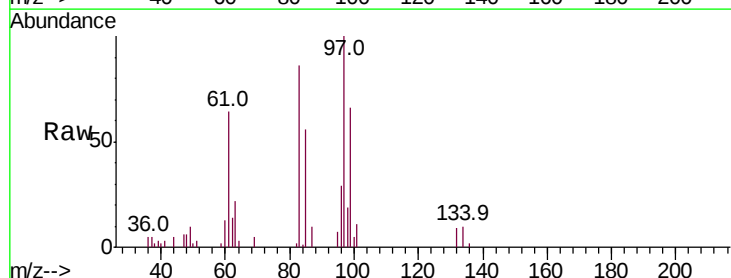
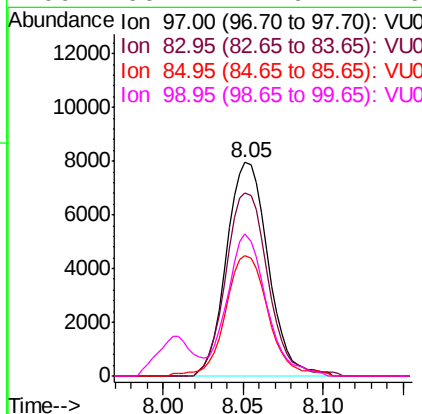
Manual Integrations
 APPROVED

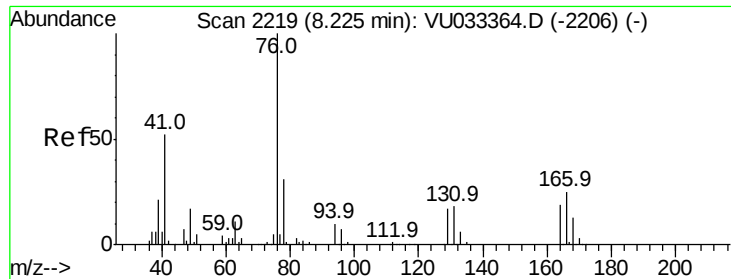
MMDadoda
 7/23/2019 8:54:48 AM



#52
 1,1,2-Trichloroethane
 Concen: 2.108 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.2
85	56.4	43.5	65.3
99	66.4	47.9	71.9





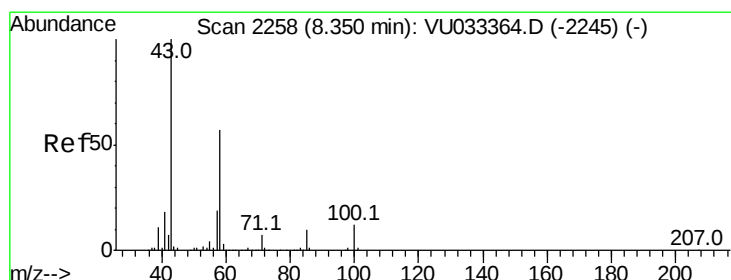
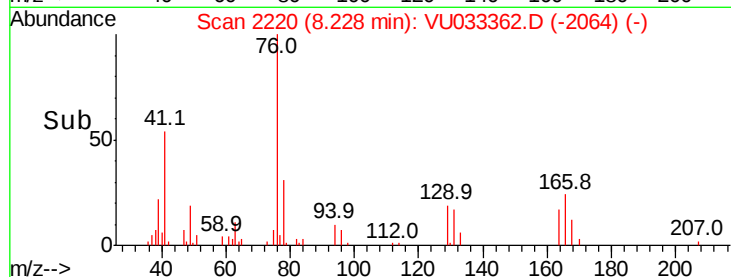
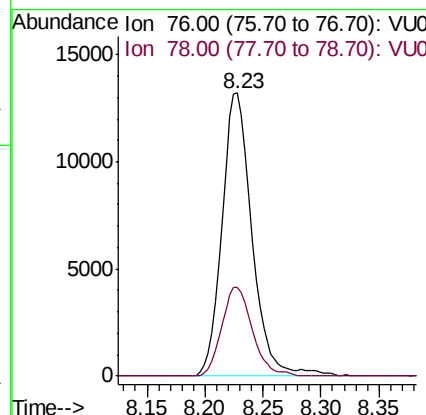
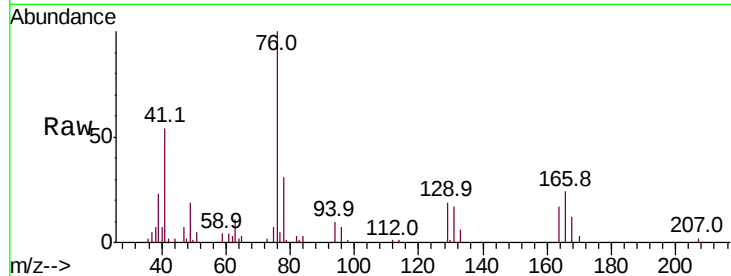
#53
 1,3-Dichloropropane
 Concen: 2.058 ug/l
 RT: 8.23 min Scan# 2220
 Delta R.T. 0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion: 76 Resp: 23890
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

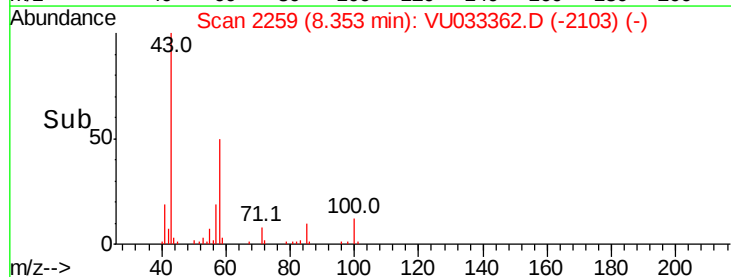
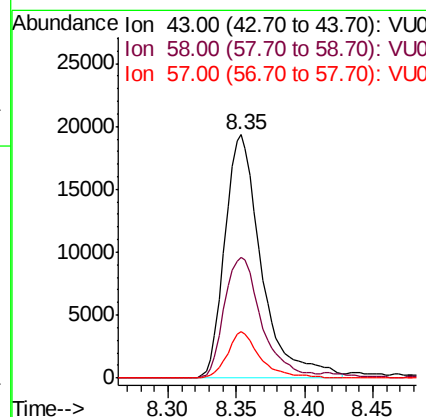
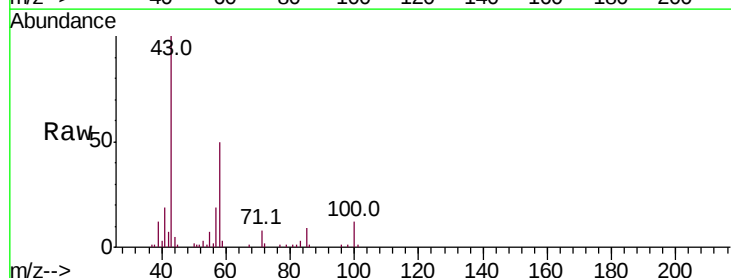
Manual Integrations
 APPROVED

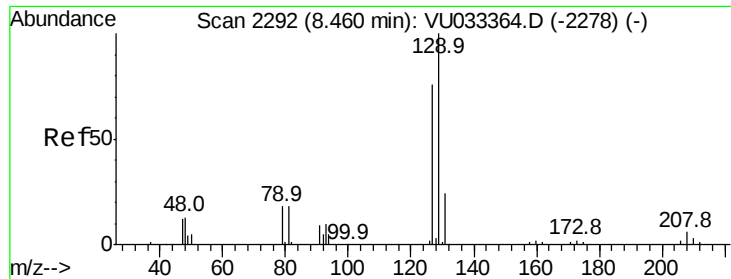
MMDadoda
 7/23/2019 8:54:48 AM



#54
 2-Hexanone
 Concen: 8.977 ug/l
 RT: 8.35 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion: 43 Resp: 36124
 Ion Ratio Lower Upper
 43 100
 58 50.7 36.0 76.0
 57 17.0 0.0 39.4





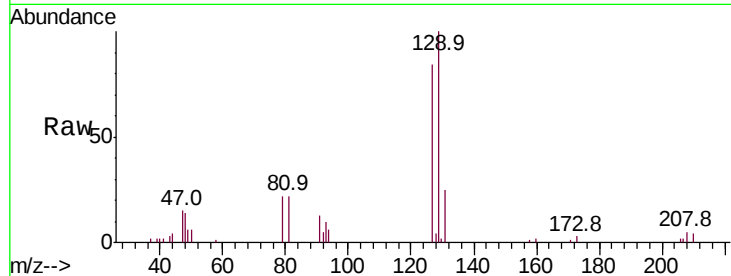
#55
Dibromochloromethane
Concen: 2.038 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

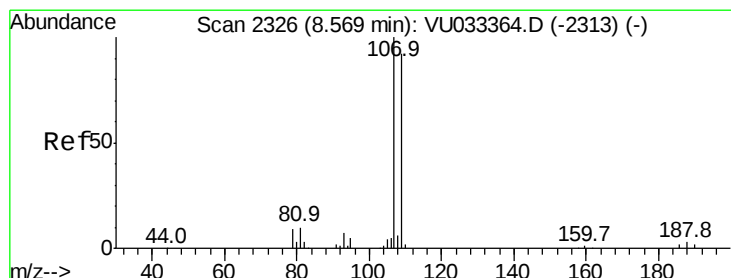
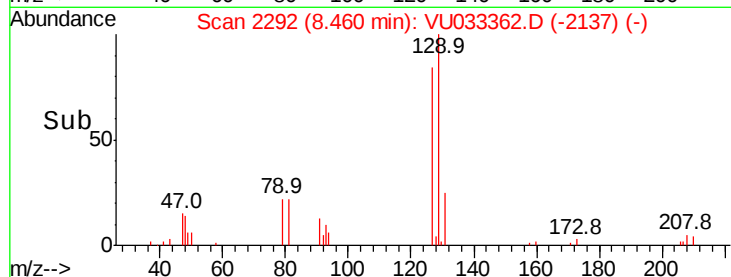
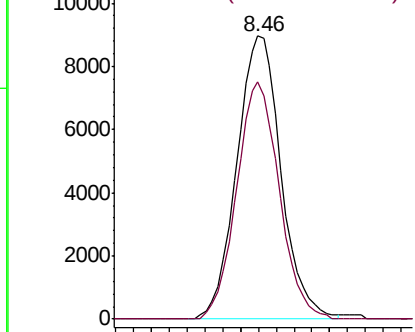
Tot Ion	Ratio	Lower	Upper
129	100		
127	80.8	60.9	91.3

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM

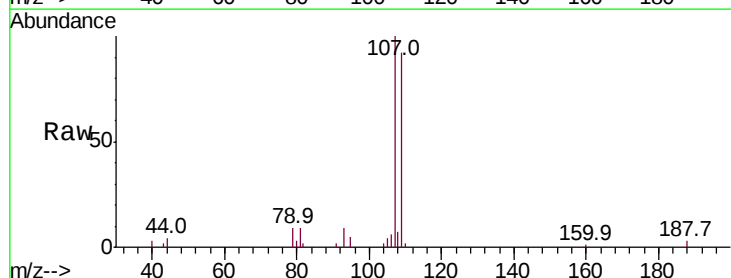


Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

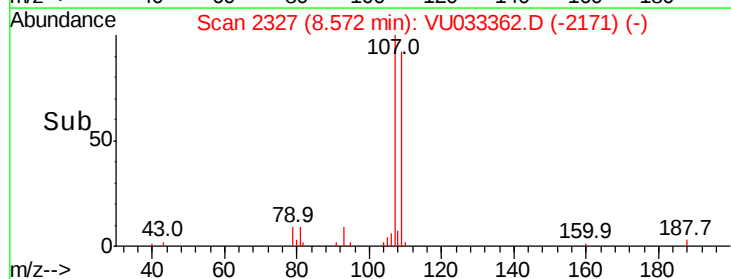
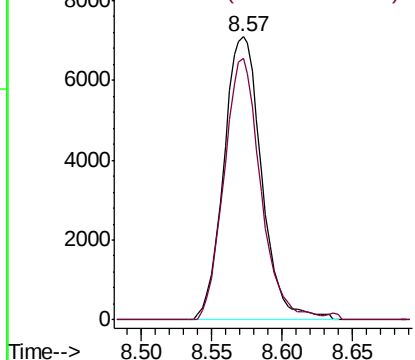


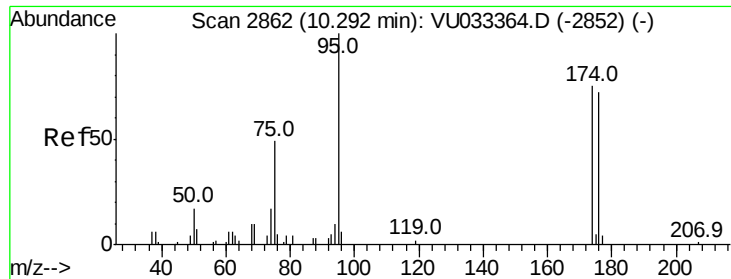
#56
1,2-Dibromoethane
Concen: 2.209 ug/l
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	89.4	0.0	184.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





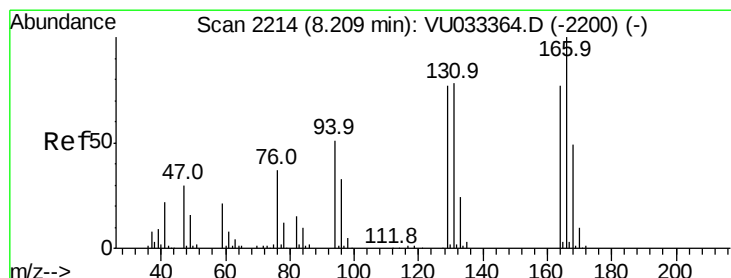
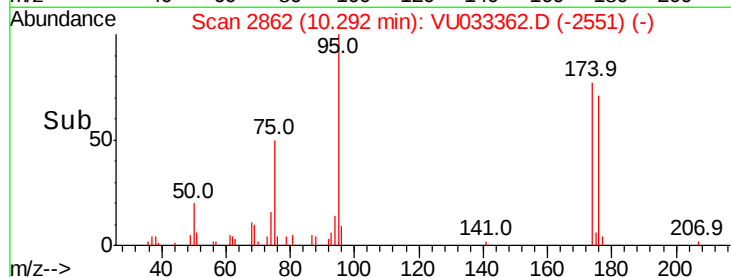
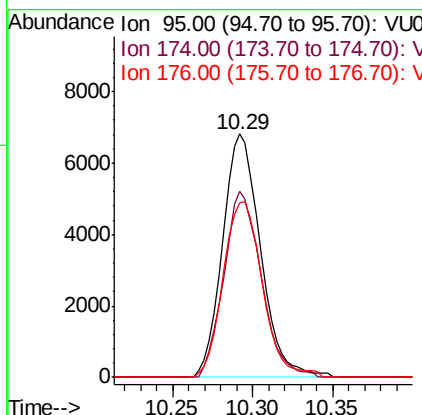
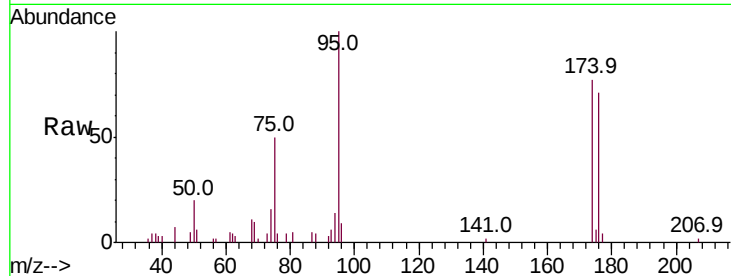
#57
4-Bromofluorobenzene
Concen: 1.091 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.3	58.8	88.2
176	74.9	54.4	81.6

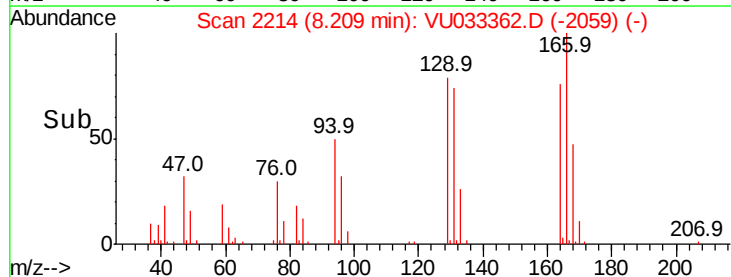
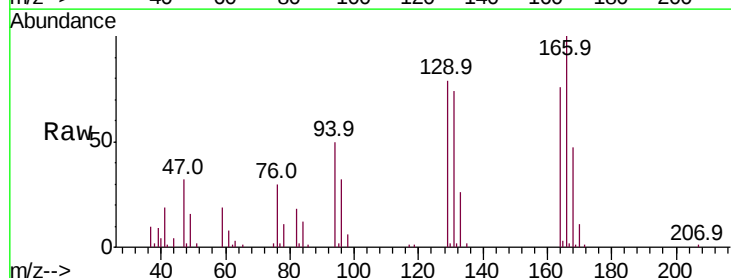
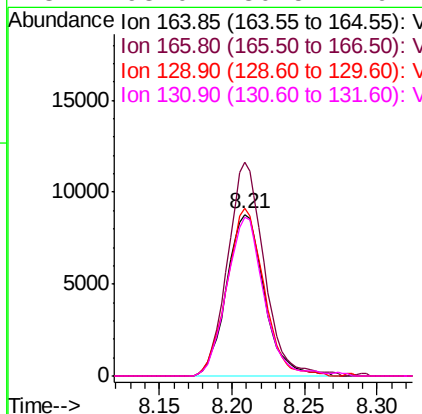
Manual Integrations
APPROVED

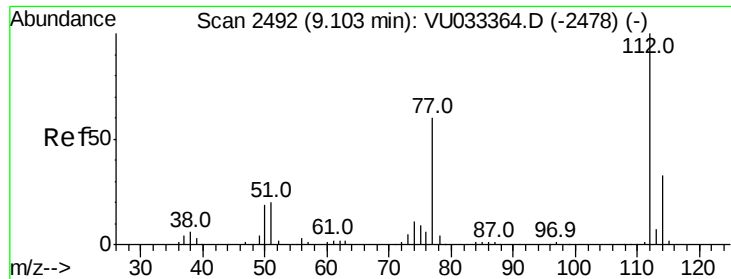
MMDadoda
7/23/2019 8:54:48 AM



#58
Tetrachloroethene
Concen: 1.840 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.3	103.8	155.6
129	103.8	79.7	119.5
131	98.0	80.5	120.7





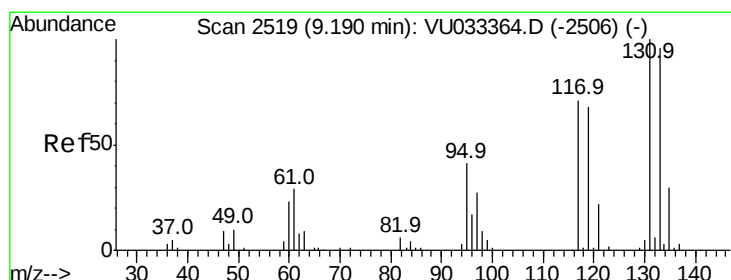
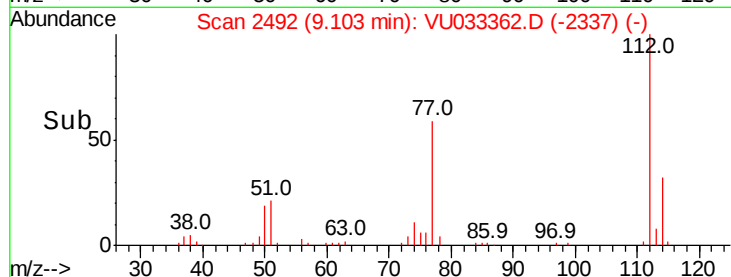
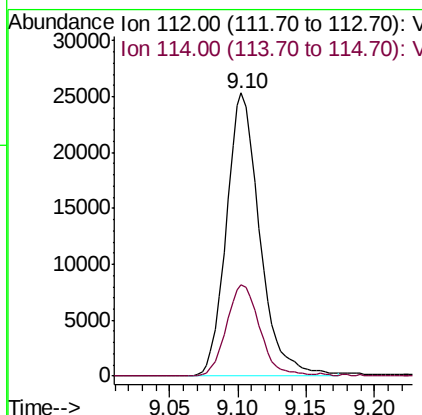
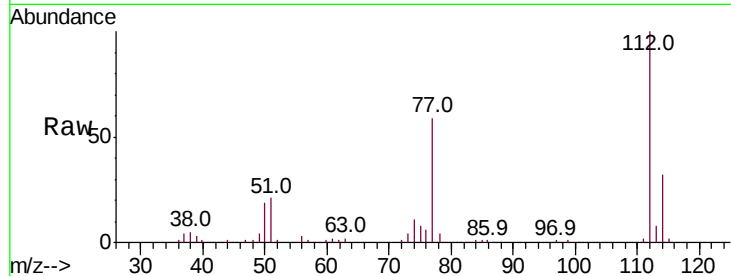
#59
Chlorobenzene
Concen: 2.129 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 43175
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6

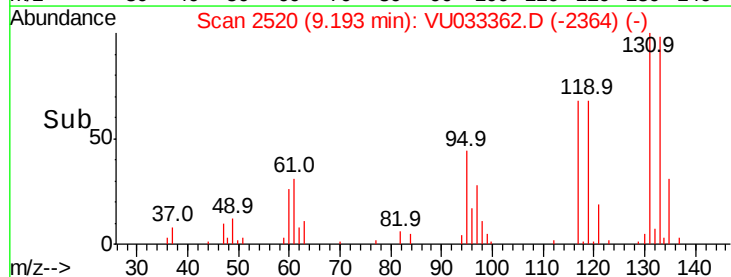
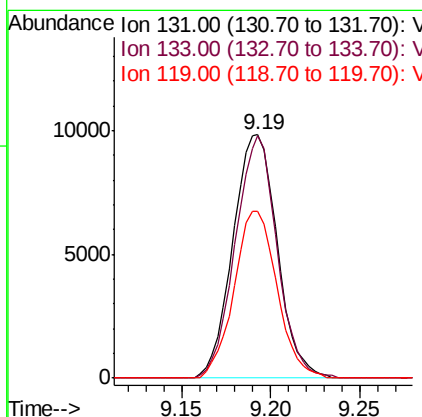
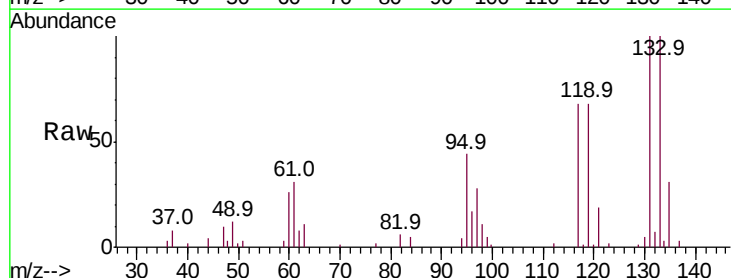
Manual Integrations
APPROVED

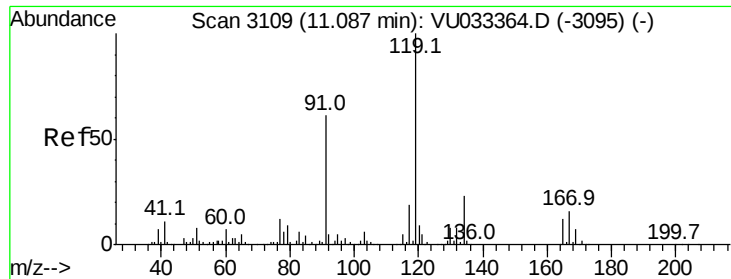
MMDadoda
7/23/2019 8:54:48 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.162 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion:131 Resp: 16984
Ion Ratio Lower Upper
131 100
133 93.8 76.2 114.4
119 66.4 54.9 82.3





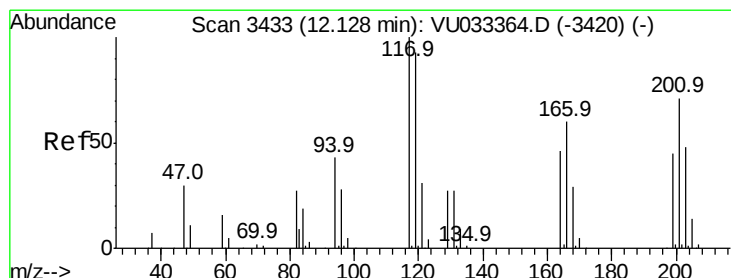
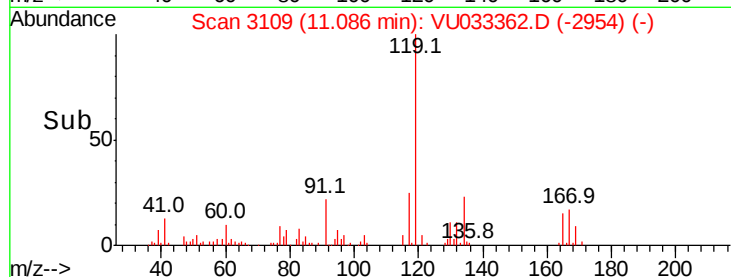
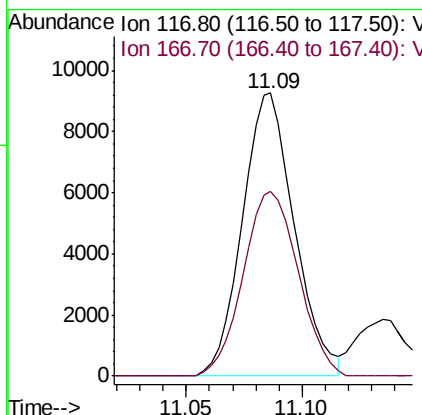
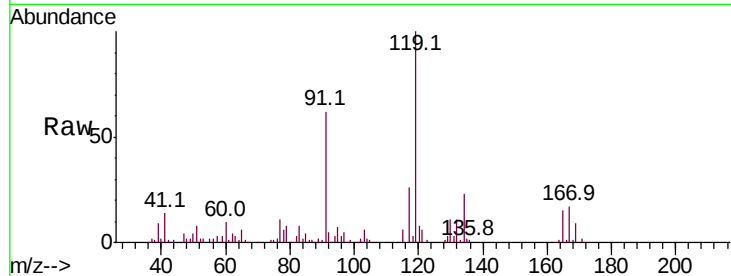
#61
 Pentachloroethane
 Concen: 2.518 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:117 Resp: 14458
 Ion Ratio Lower Upper
 117 100
 167 68.9 63.4 95.0

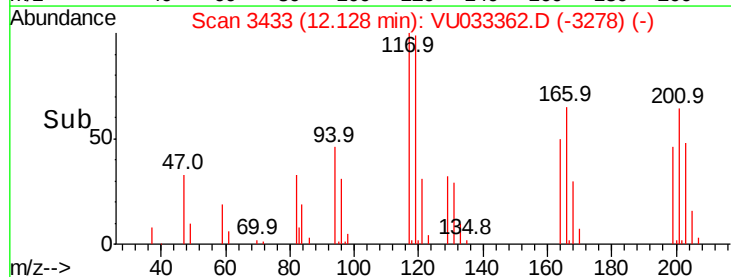
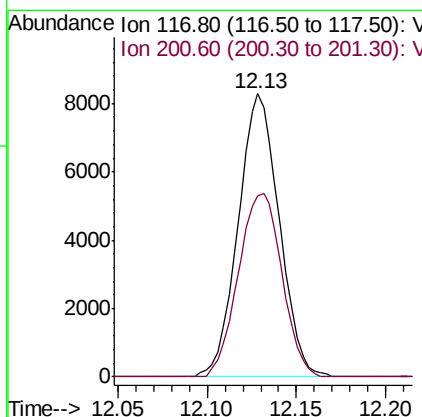
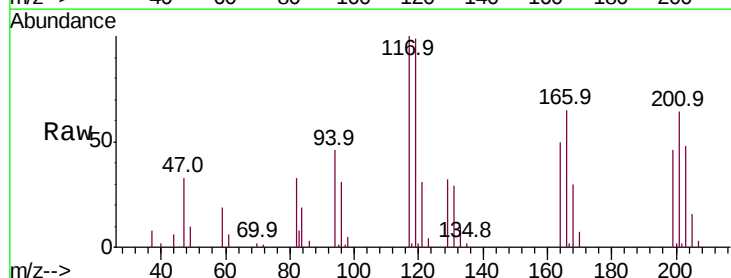
Manual Integrations
 APPROVED

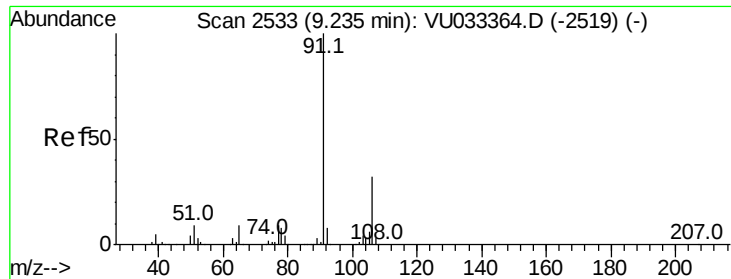
MMDadoda
 7/23/2019 8:54:48 AM



#62
 Hexachloroethane
 Concen: 2.372 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion:117 Resp: 13310
 Ion Ratio Lower Upper
 117 100
 201 68.7 57.9 86.9





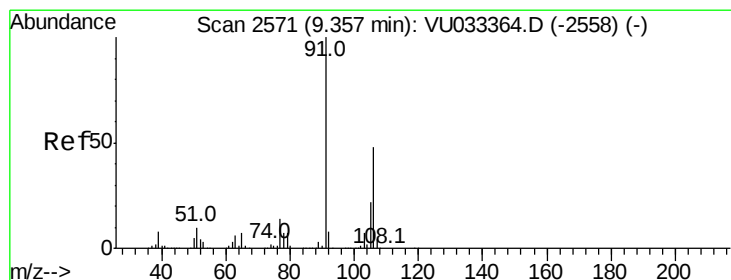
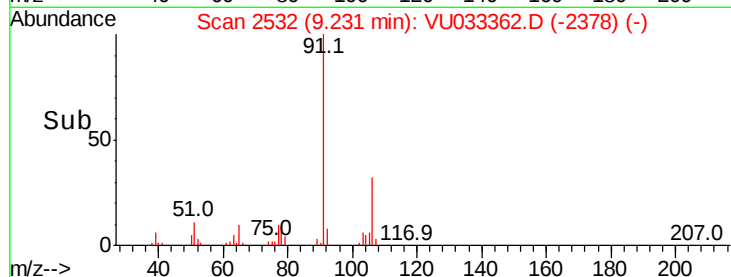
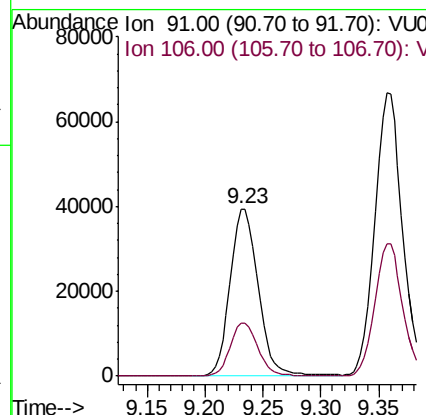
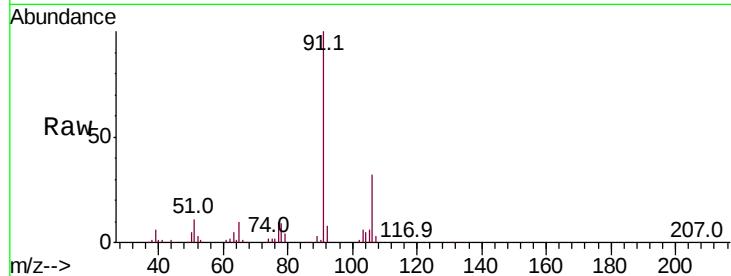
#63
Ethyl Benzene
Concen: 2.015 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 66486
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

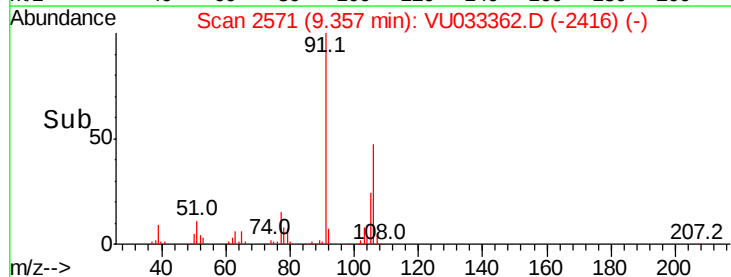
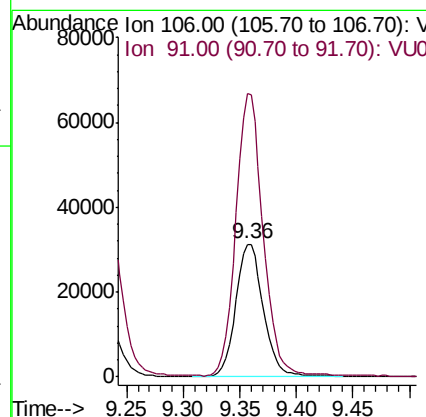
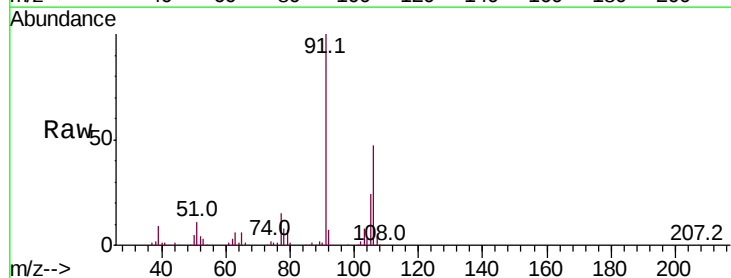
Manual Integrations
APPROVED

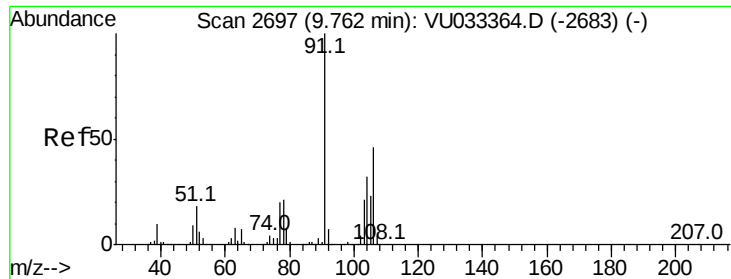
MMDadoda
7/23/2019 8:54:48 AM



#64
m/p-Xylenes
Concen: 4.296 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion: 106 Resp: 53523
Ion Ratio Lower Upper
106 100
91 206.2 167.1 250.7





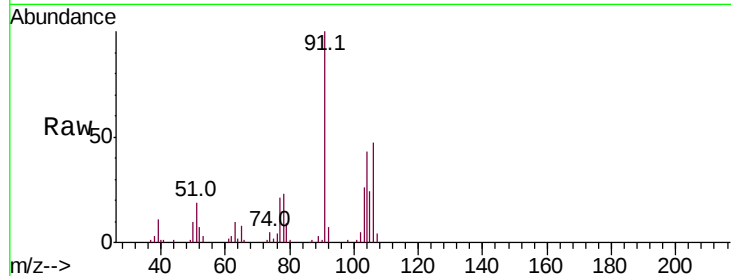
#65
o-Xylene
Concen: 2.151 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

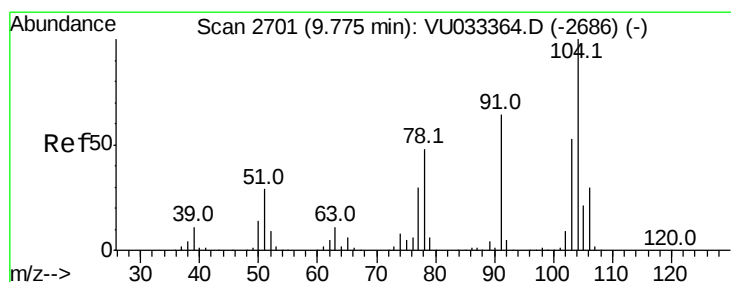
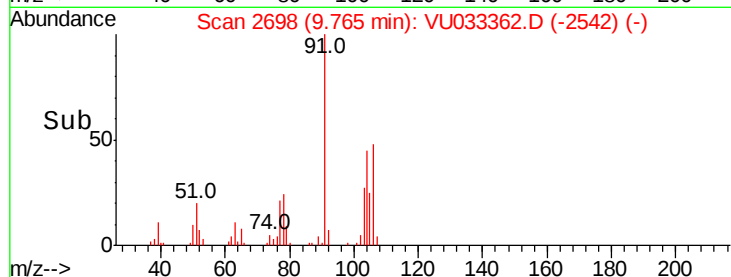
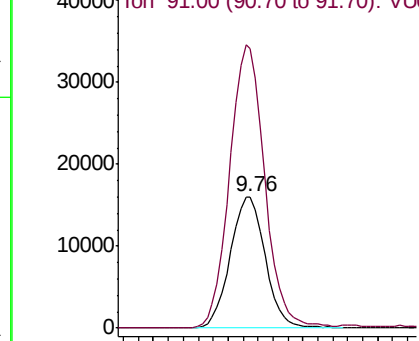
Tot Ion	Ratio	Lower	Upper
106	100		
91	216.6	108.5	325.3

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM

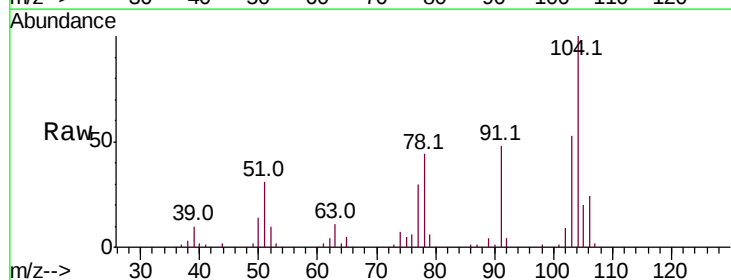


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU

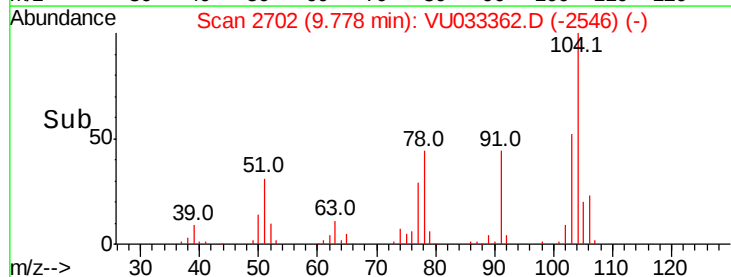
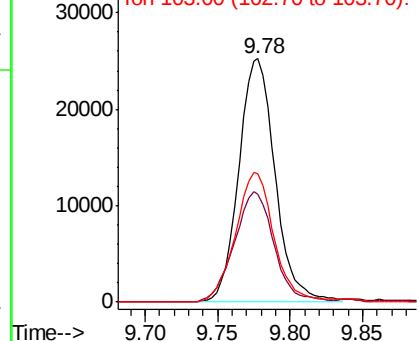


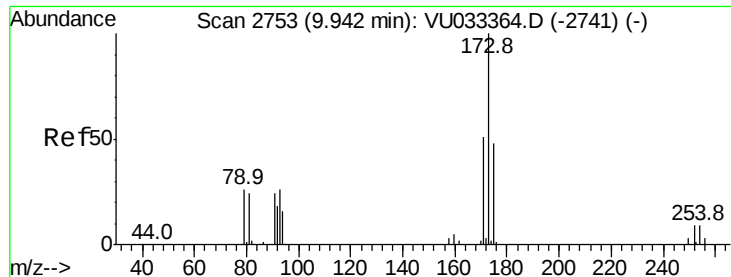
#66
Styrene
Concen: 2.183 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	41.2	61.8
103	55.9	44.7	67.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU
Ion 103.00 (102.70 to 103.70): V





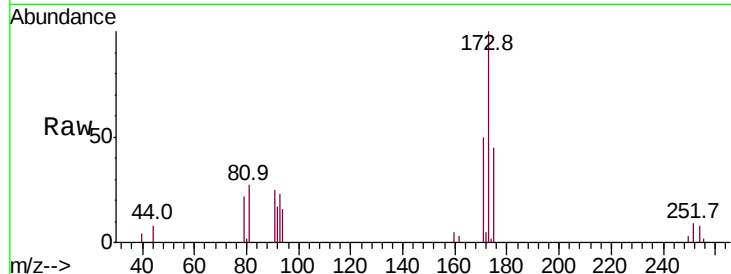
#67
Bromoform
Concen: 2.156 ug/l
RT: 9.95 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

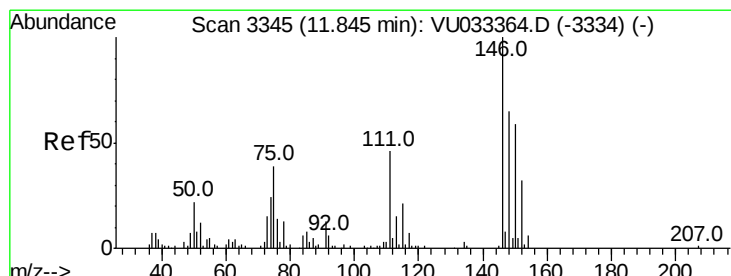
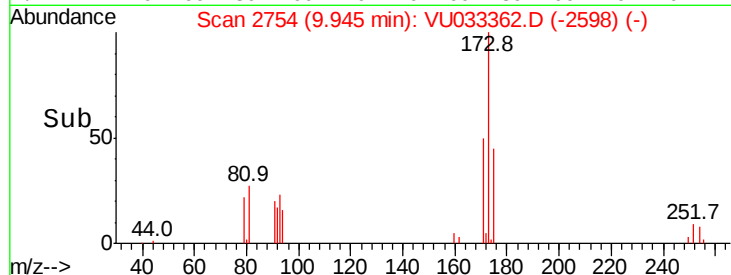
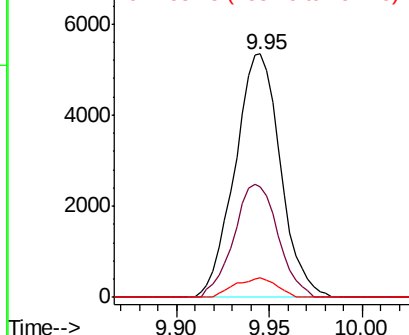
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.2	38.6	58.0
254	7.4	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



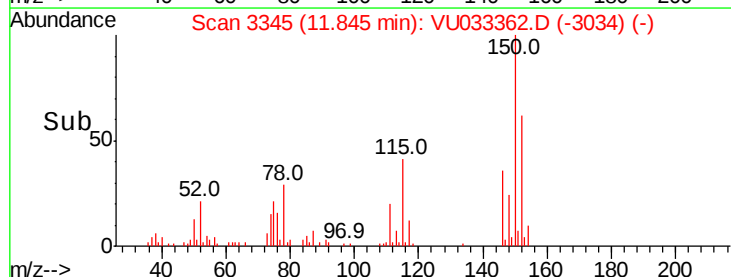
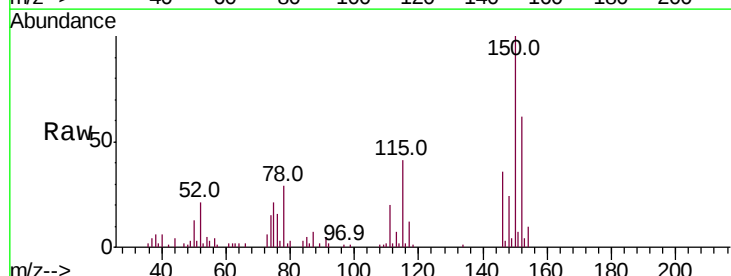
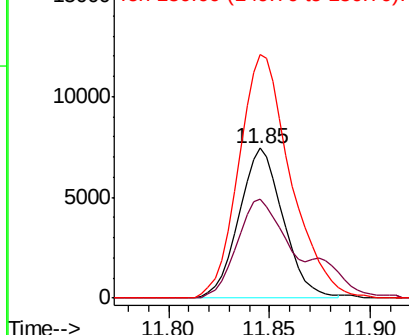
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

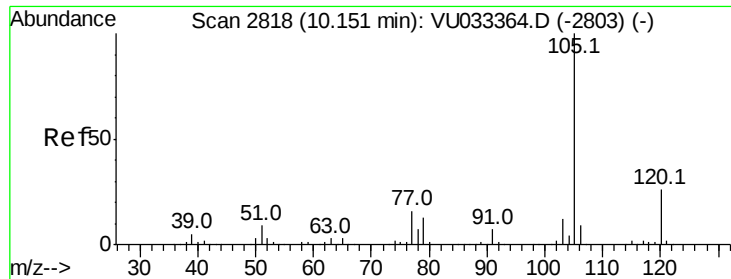


#68
1,2-Dichlorobenzene-d4
Concen: 1.192 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	73.5	0.0	123.2
150	190.9	0.0	648.4

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





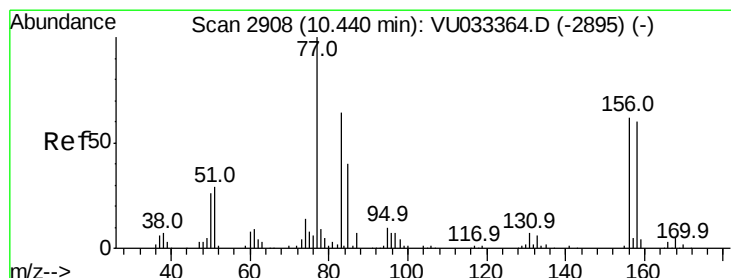
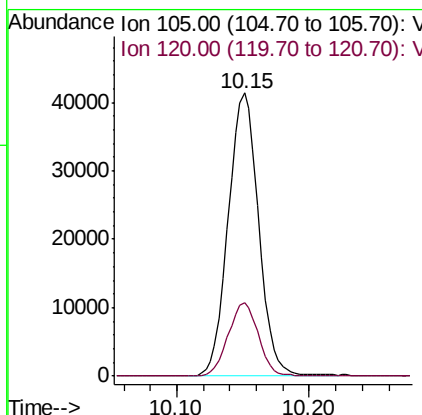
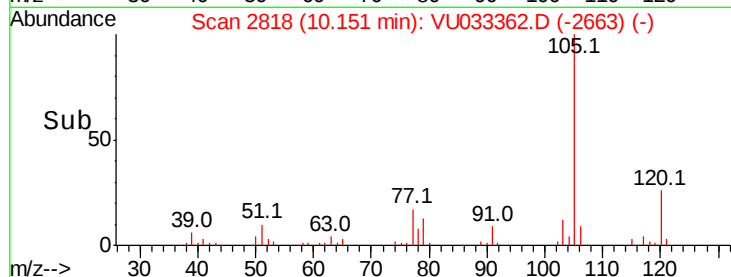
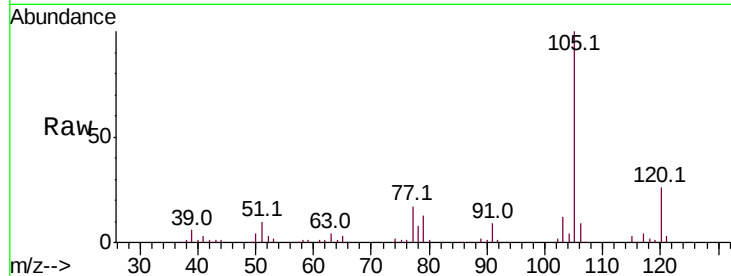
#69
Isopropylbenzene
Concen: 2.087 ug/l
RT: 10.15 min Scan# 2818
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.4	40.1

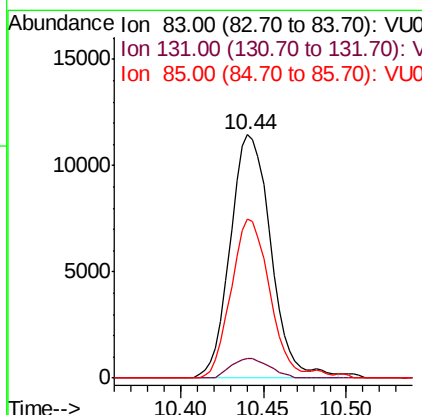
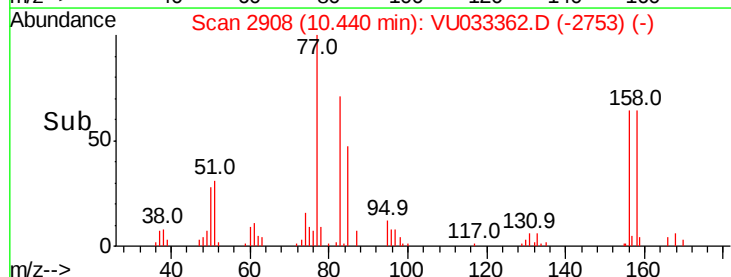
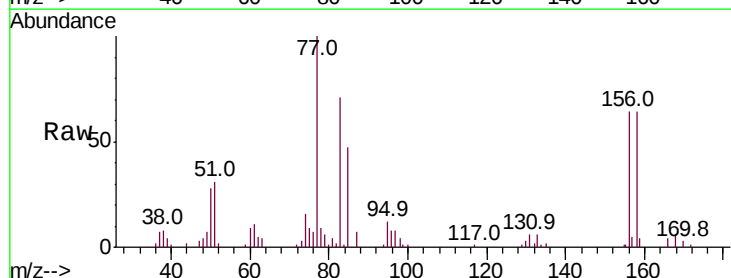
Manual Integrations
APPROVED

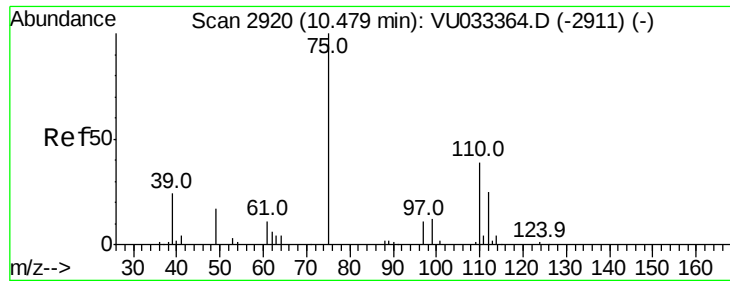
MMDadoda
7/23/2019 8:54:48 AM



#70
1,1,2,2-Tetrachloroethane
Concen: 2.259 ug/l
RT: 10.44 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.6	8.0	12.0#
85	61.7	51.8	77.8





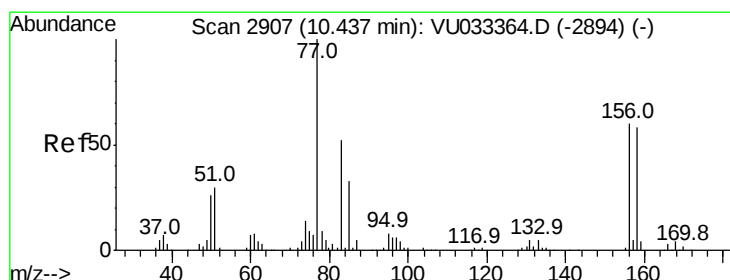
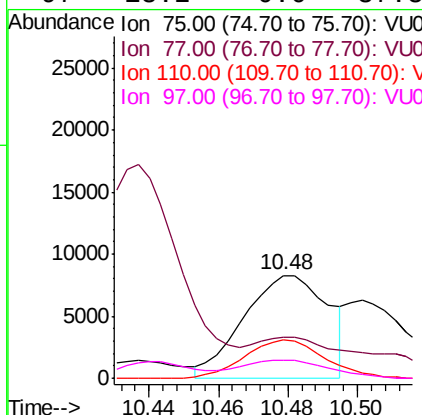
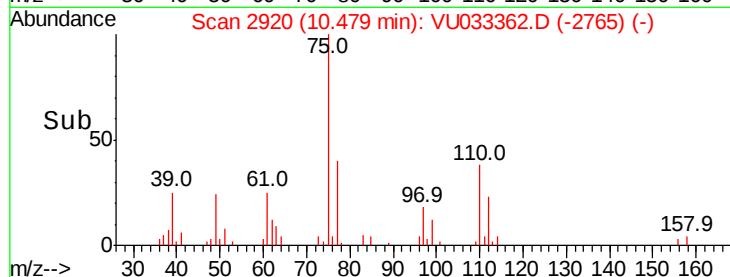
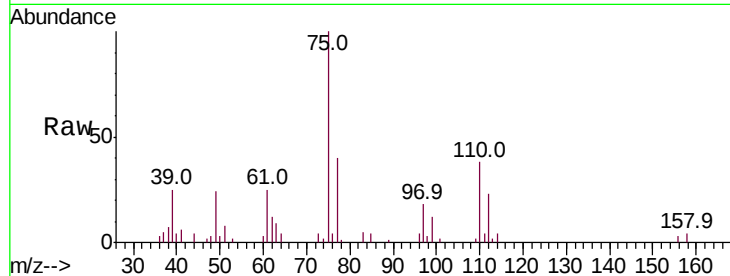
#71
1,2,3-Trichloropropane
Concen: 2.224 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	75	Resp	14056
Ion Ratio	Lower	Upper	
75	100		
77	54.2	0.0	18.2#
110	35.1	0.0	71.4
97	18.2	0.0	37.8

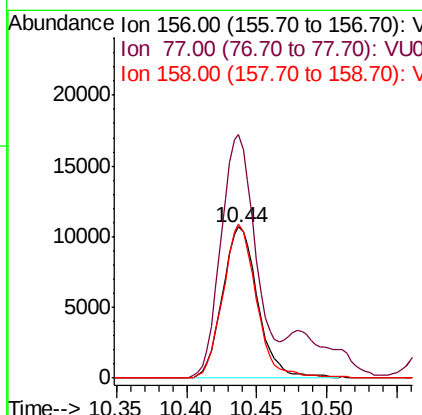
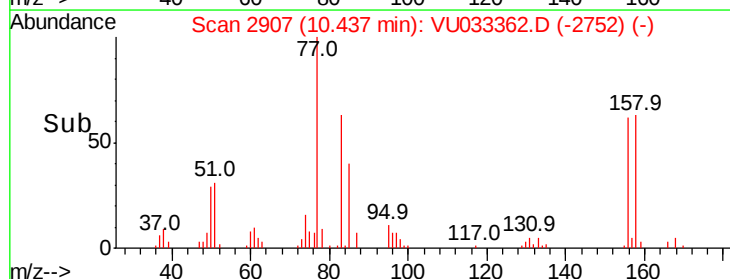
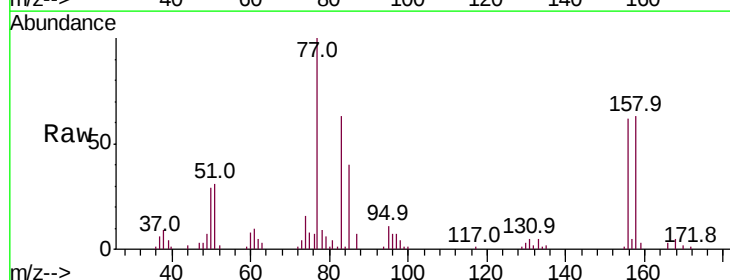
Manual Integrations
APPROVED

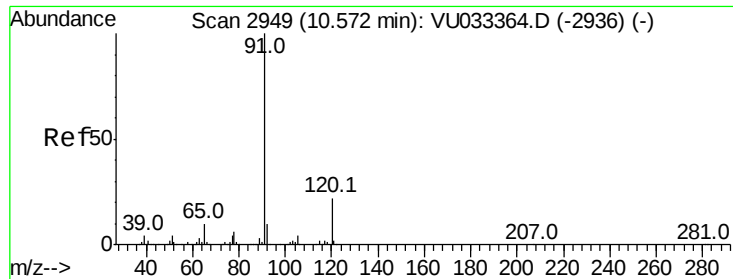
MMDadoda
7/23/2019 8:54:48 AM



#72
Bromobenzene
Concen: 2.306 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	156	Resp	18618
Ion Ratio	Lower	Upper	
156	100		
77	158.8	0.0	324.4
158	97.5	0.0	192.4





#73

n-propylbenzene

Concen: 2.225 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 18497

Ion Ratio Lower Upper

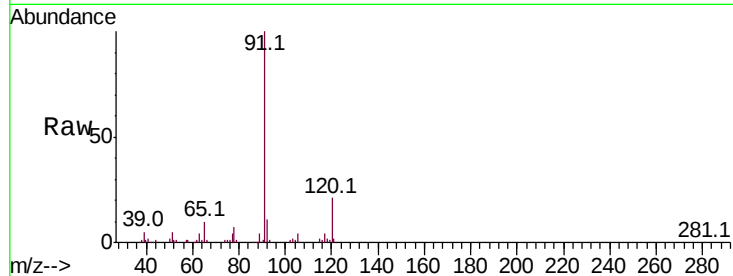
120 100

91 466.4 355.1 532.7

Manual Integrations
APPROVED

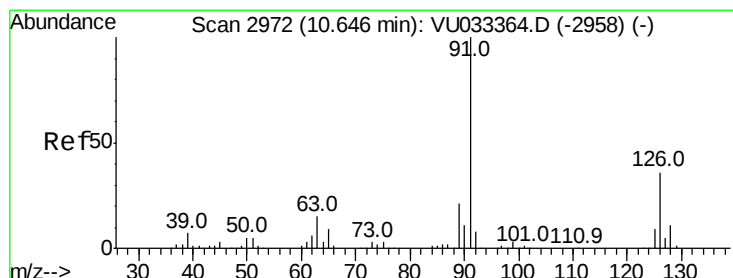
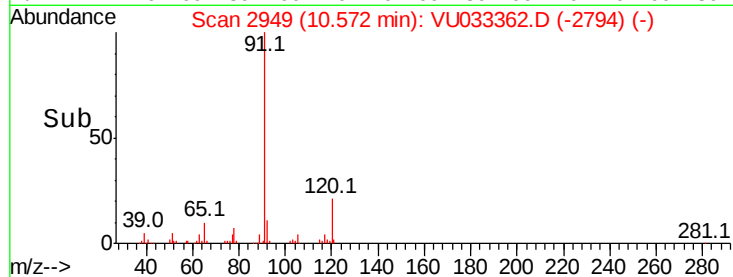
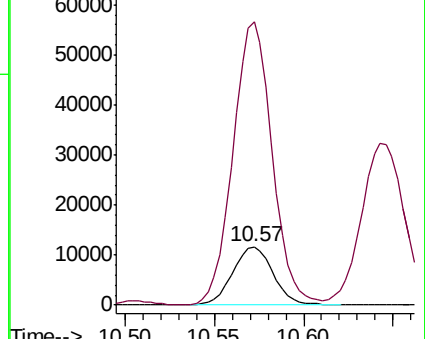
MMDadoda

7/23/2019 8:54:48 AM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.235 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033362.D

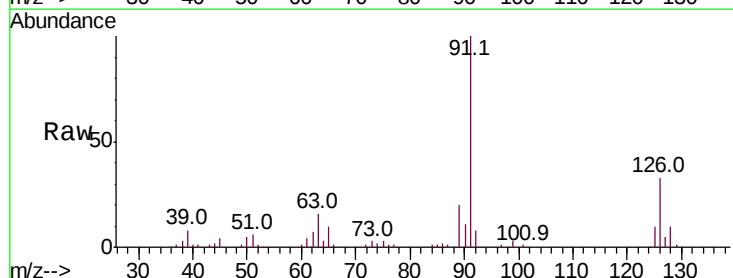
Acq: 22 Jul 2019 20:08

Tgt Ion:126 Resp: 17631

Ion Ratio Lower Upper

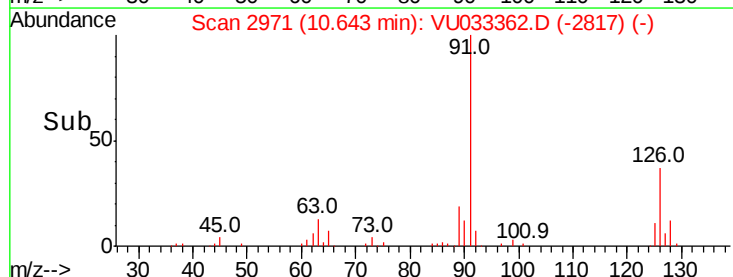
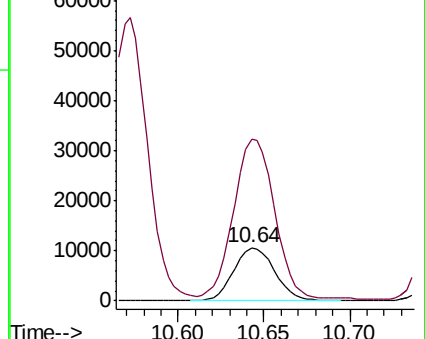
126 100

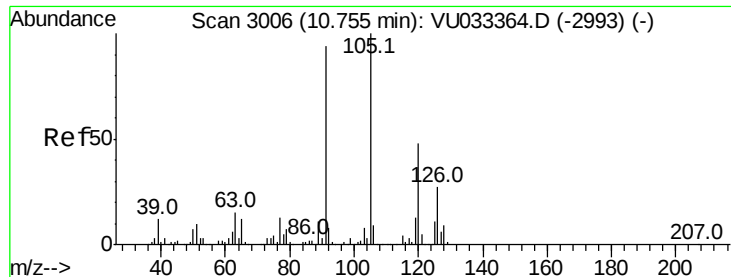
91 304.7 0.0 598.0



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: 2.177 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 59226

Ion Ratio Lower Upper

105 100

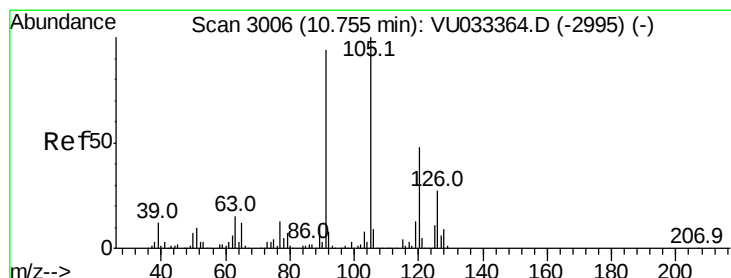
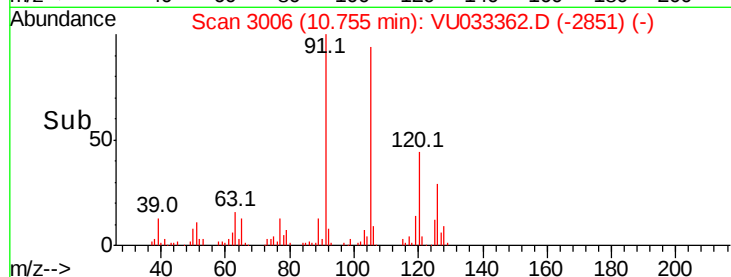
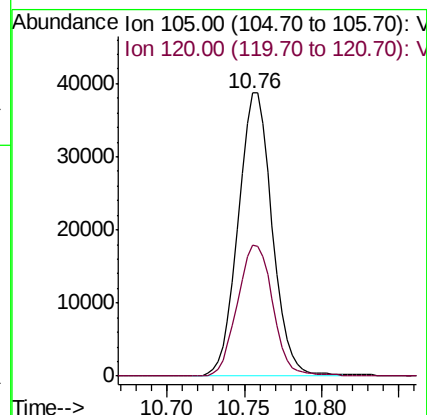
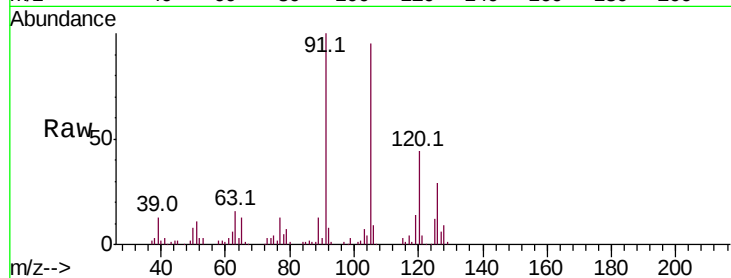
120 48.3 38.2 57.4

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#76

4-Chlorotoluene

Concen: 2.435 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033362.D

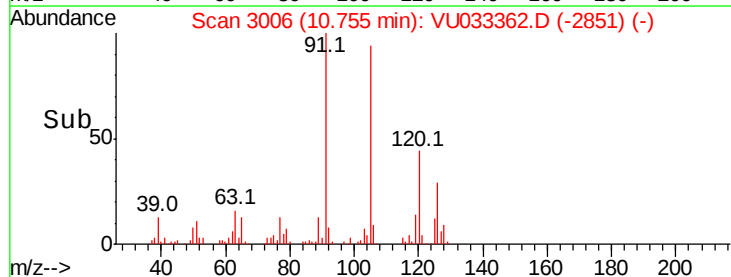
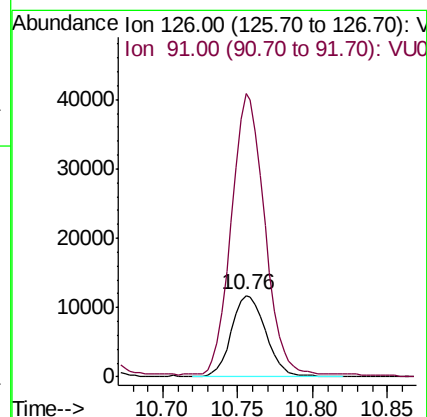
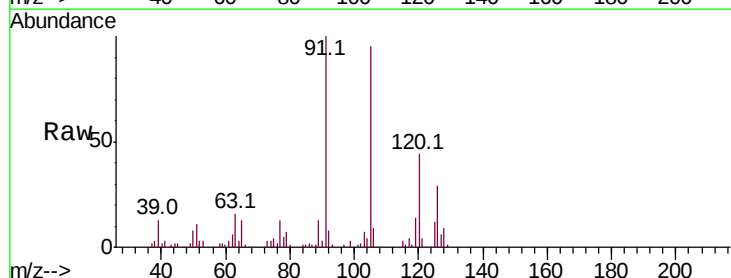
Acq: 22 Jul 2019 20:08

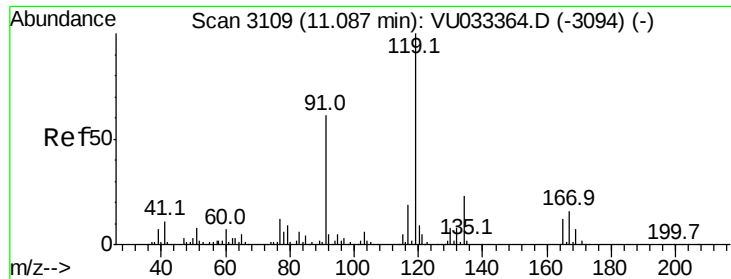
Tgt Ion:126 Resp: 18884

Ion Ratio Lower Upper

126 100

91 331.3 0.0 681.0





#77

tert-Butylbenzene

Concen: 2.194 ug/l

RT: 11.08 min Scan# 3108

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

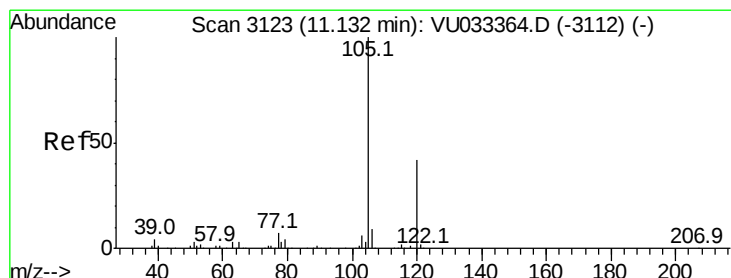
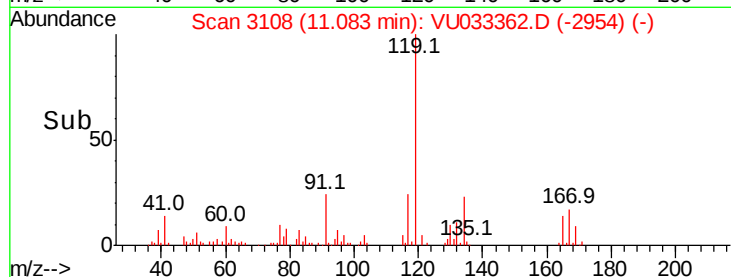
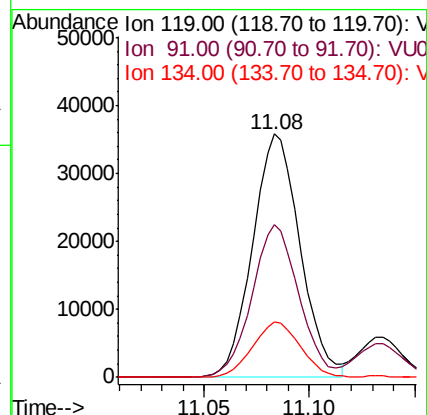
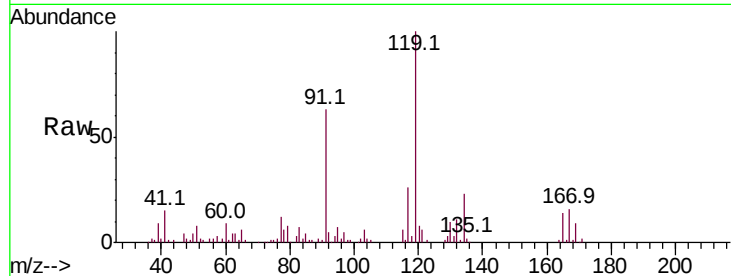
ClientSampleId :

VSTDIC002

Tot Ion:	119	Resp:	56091
Ion Ratio	Lower	Upper	
119	100		
91	62.0	30.4	91.3
134	22.9	18.5	27.7

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



#78

1,2,4-Trimethylbenzene

Concen: 2.246 ug/l

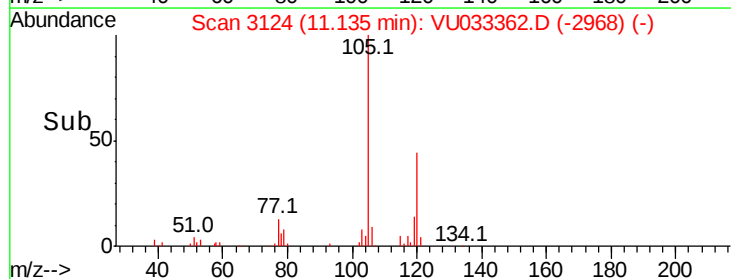
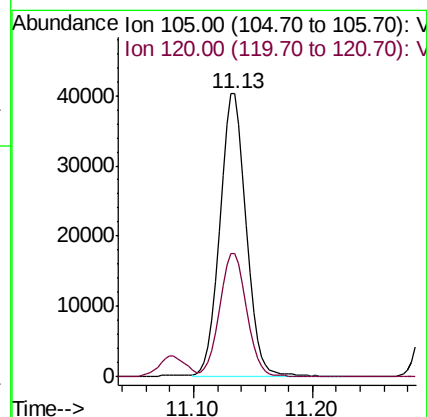
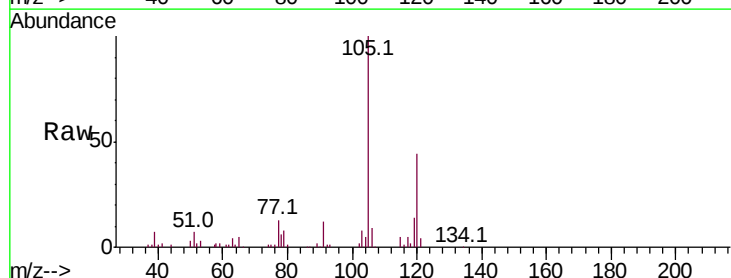
RT: 11.13 min Scan# 3124

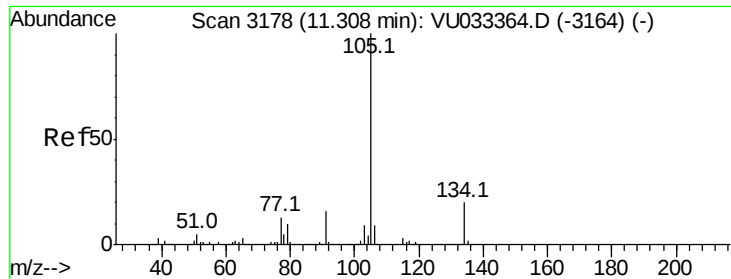
Delta R.T. 0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Tgt Ion:	105	Resp:	61947
Ion Ratio	Lower	Upper	
105	100		
120	45.0	22.5	67.5





#79

sec-Butylbenzene

Concen: 2.312 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 80689

Ion Ratio Lower Upper

105 100

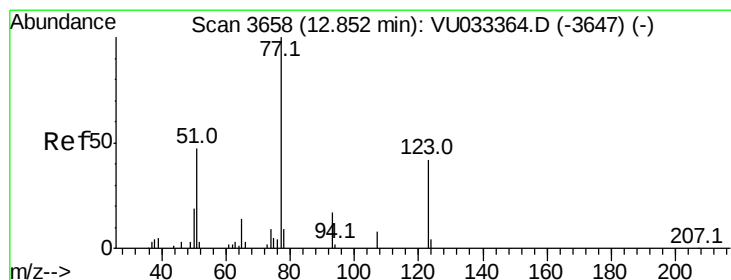
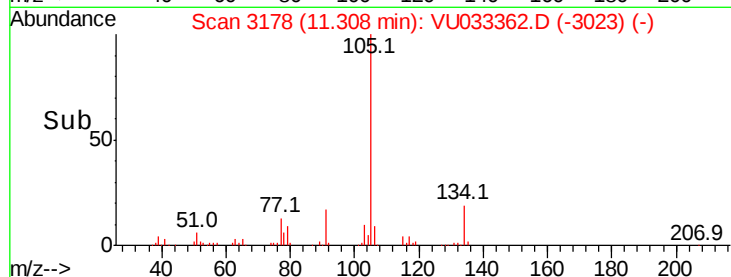
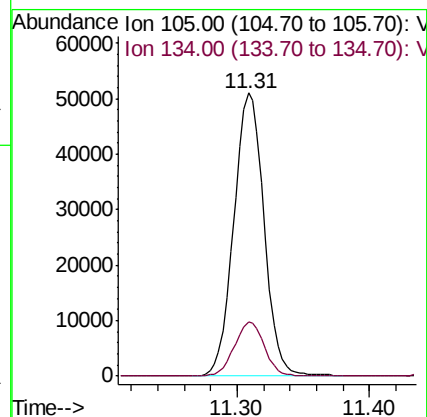
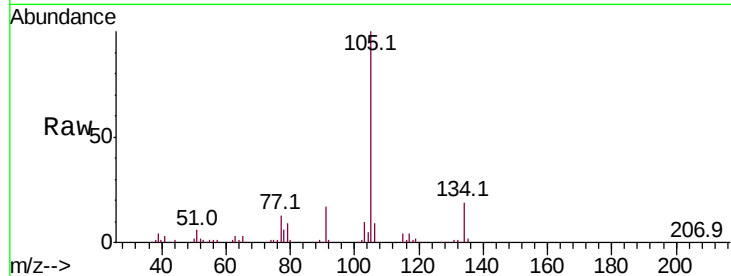
134 19.0 15.5 23.3

Manual Integrations

APPROVED

MMDadoda

7/23/2019 8:54:48 AM



#80

Nitrobenzene

Concen: 8.967 ug/l m

RT: 12.86 min Scan# 3661

Delta R.T. 0.01 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

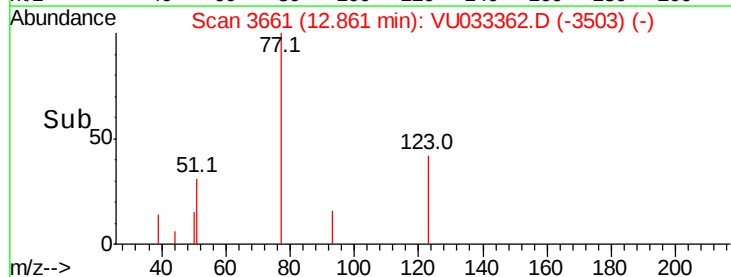
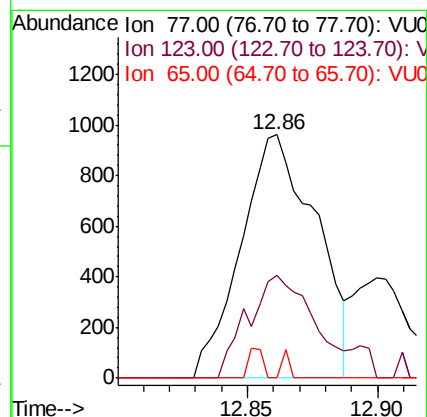
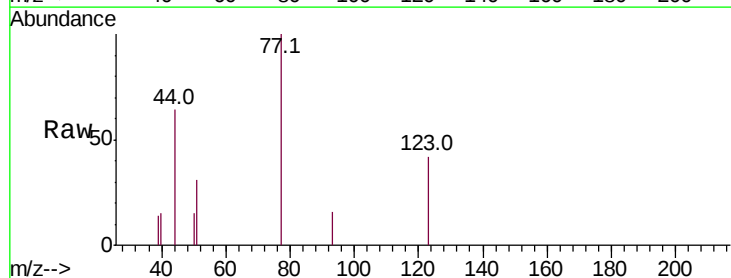
Tgt Ion: 77 Resp: 1931

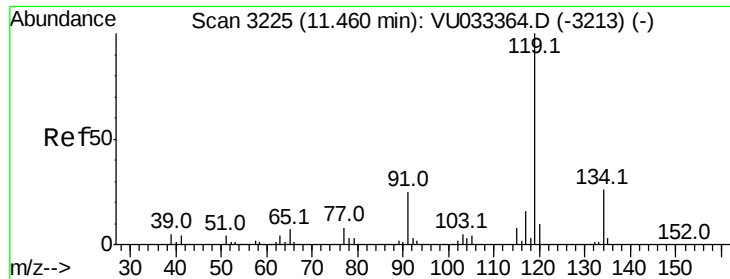
Ion Ratio Lower Upper

77 100

123 28.5 19.3 68.3

65 1.1 10.1 12.9#





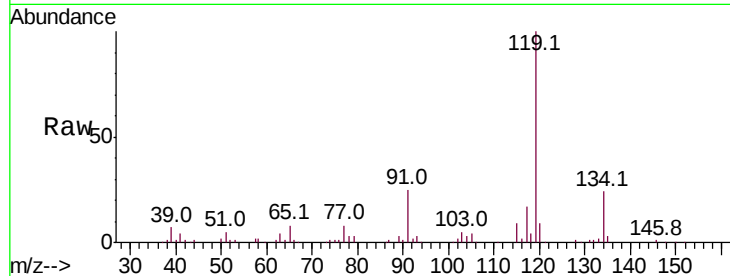
#81
 p-Isopropyltoluene
 Concen: 2.353 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	21.0	31.4
91	25.3	19.8	29.6

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 8:54:48 AM

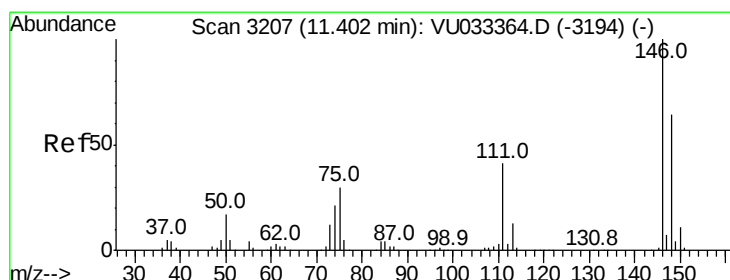
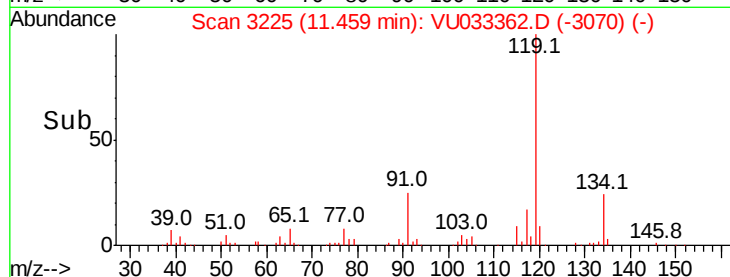
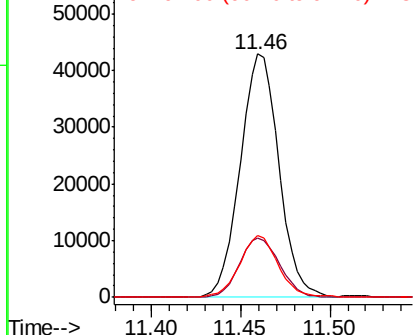


Abundance

Ion 119.00 (118.70 to 119.70): V

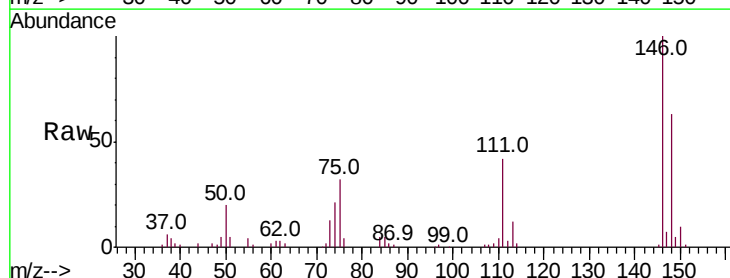
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82
 1,3-Dichlorobenzene
 Concen: 2.390 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	33.3	49.9
148	64.7	50.8	76.2

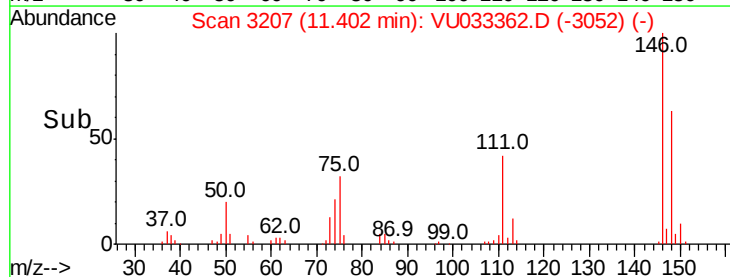
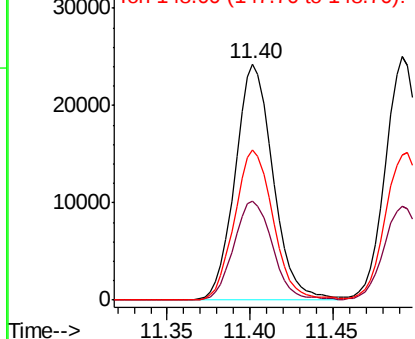


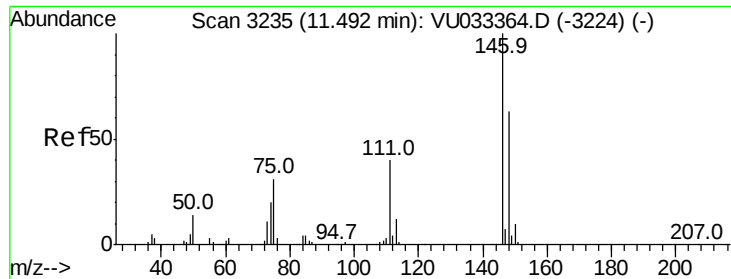
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





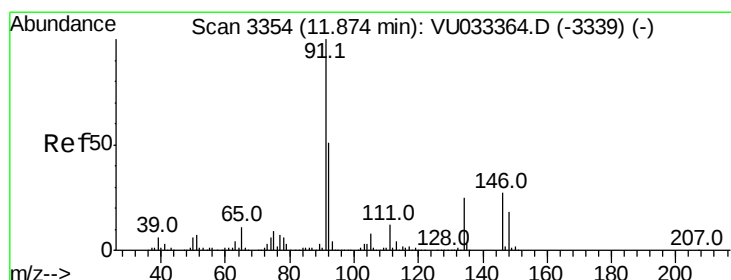
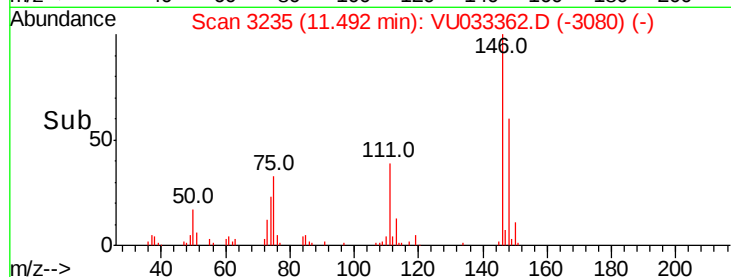
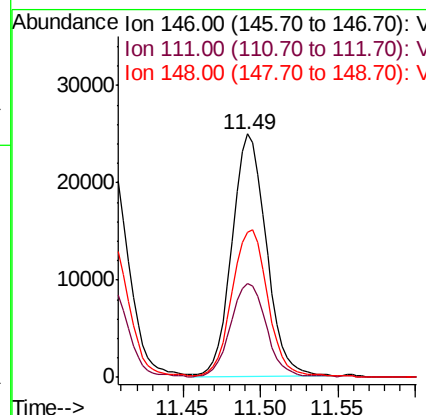
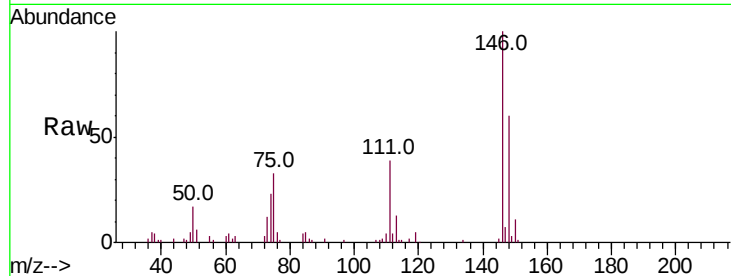
#83
1,4-Dichlorobenzene
Concen: 2.437 ug/l
RT: 11.49 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.2	48.4
148	63.8	51.0	76.4

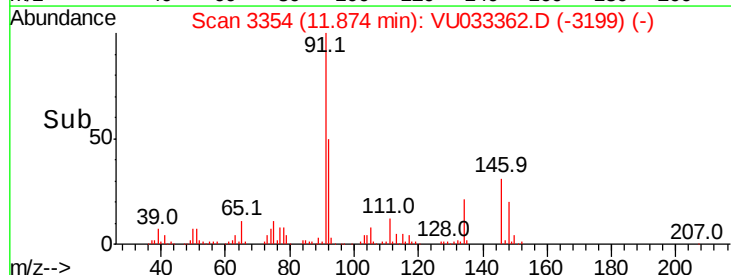
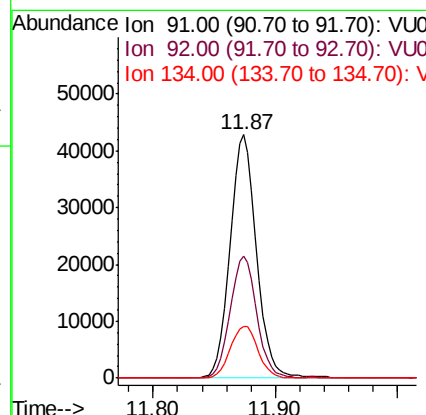
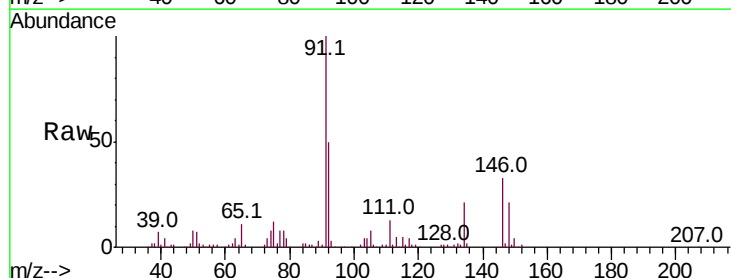
Manual Integrations
APPROVED

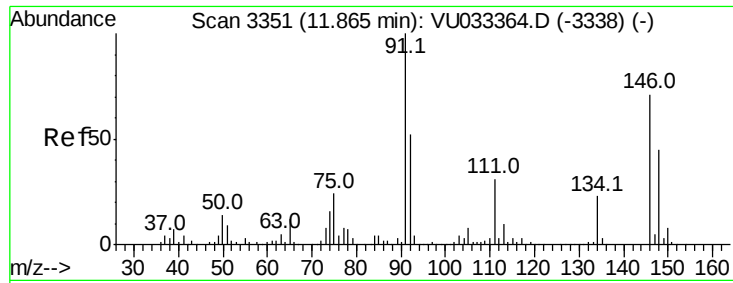
MMDadoda
7/23/2019 8:54:48 AM



#84
n-Butylbenzene
Concen: 2.440 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.3	41.0	61.6
134	22.2	19.5	29.3





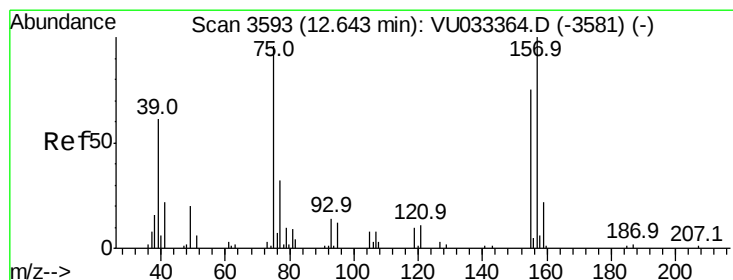
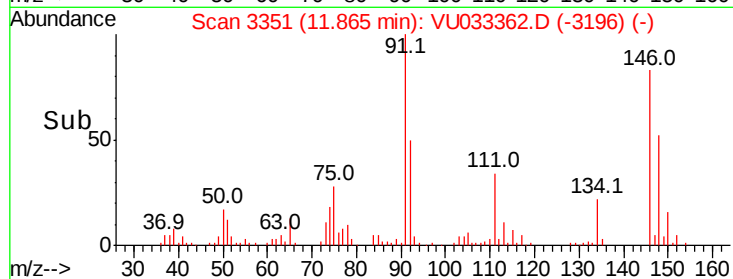
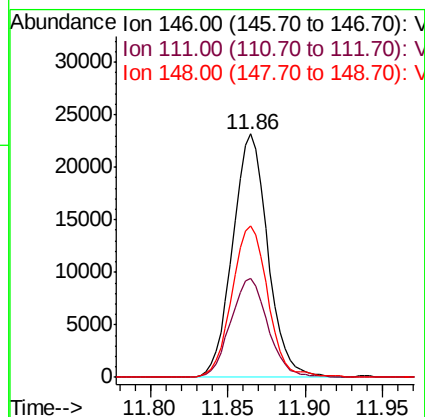
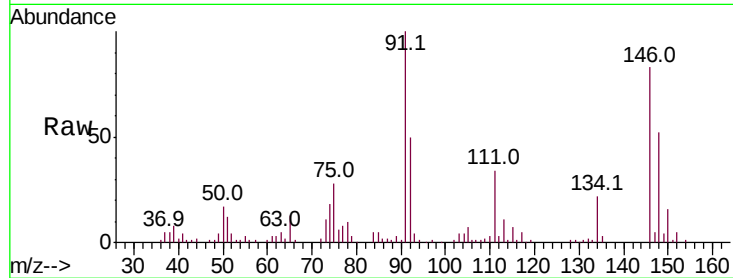
#85
 1,2-Dichlorobenzene
 Concen: 2.370 ug/l
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.7	65.1
148	63.7	32.0	96.0

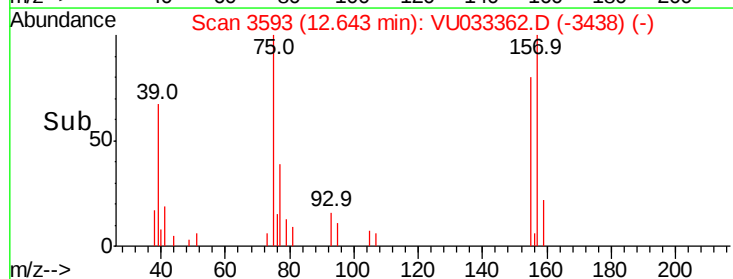
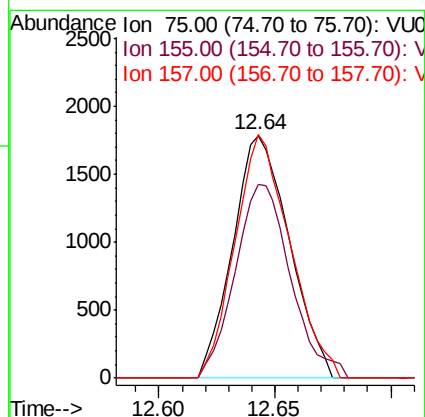
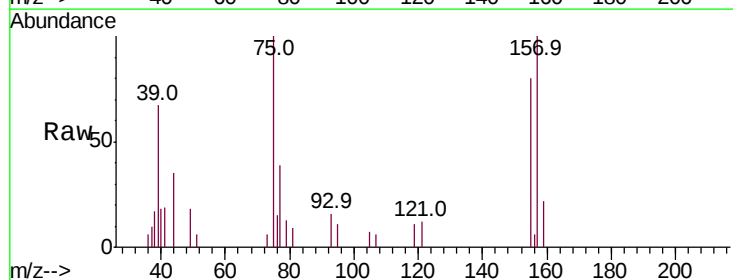
Manual Integrations
 APPROVED

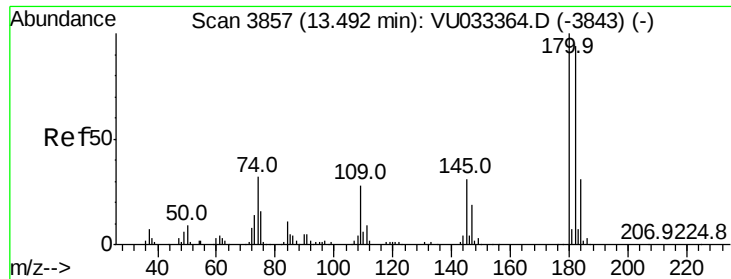
MMDadoda
 7/23/2019 8:54:48 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.397 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033362.D
 Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	63.3	94.9
157	97.5	82.5	123.7





#87

1,2,4-Trichlorobenzene

Concen: 2.563 ug/l

RT: 13.49 min Scan# 3857

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:180 Resp: 20468

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

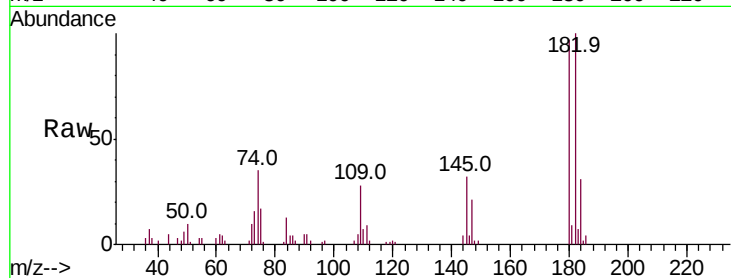
145 33.2 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

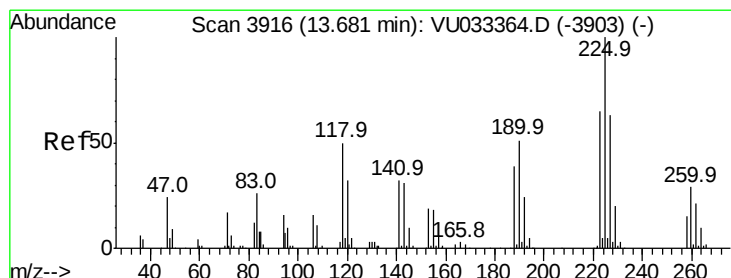
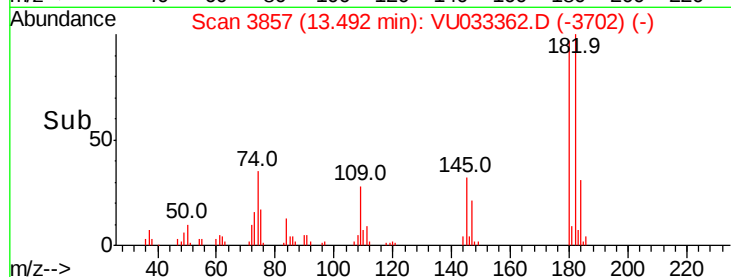
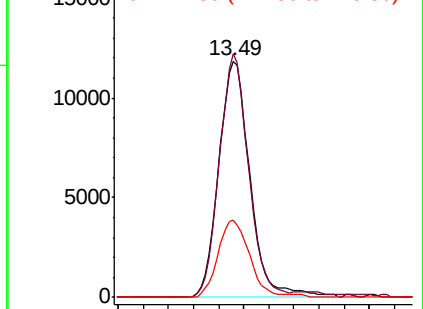
7/23/2019 8:54:48 AM



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 2.405 ug/l

RT: 13.68 min Scan# 3915

Delta R.T. -0.00 min

Lab File: VU033362.D

Acq: 22 Jul 2019 20:08

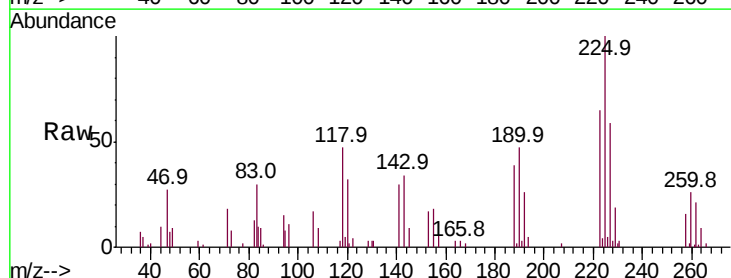
Tgt Ion:225 Resp: 13496

Ion Ratio Lower Upper

225 100

223 63.9 52.2 78.4

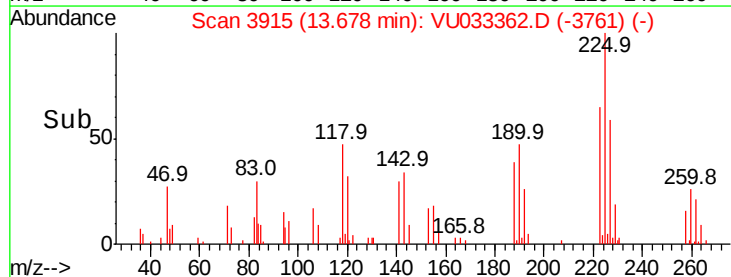
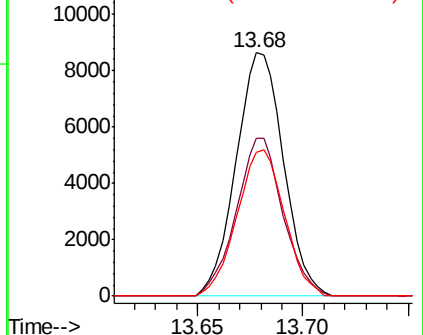
227 60.1 51.7 77.5

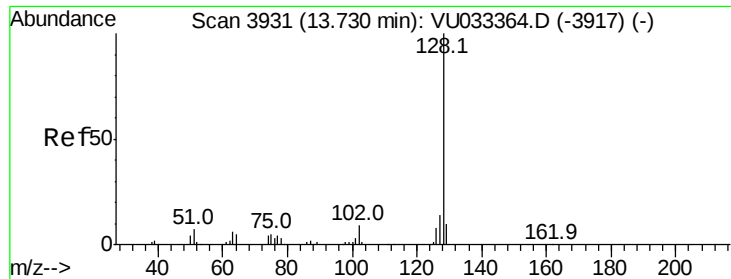


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





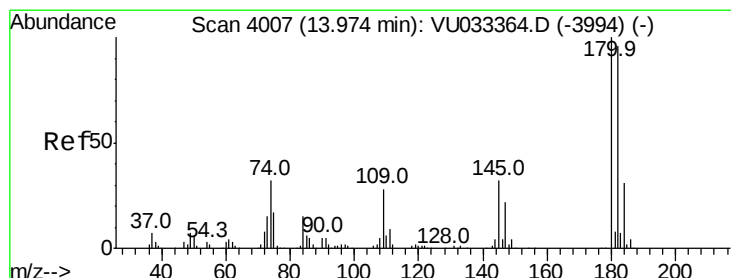
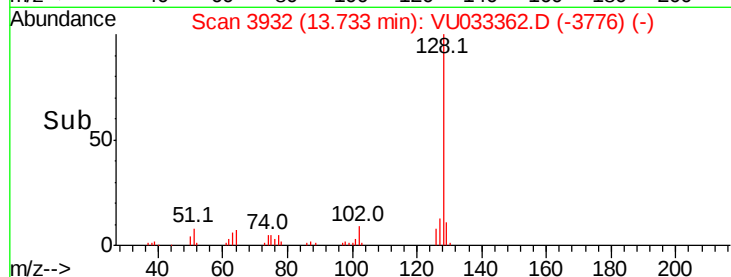
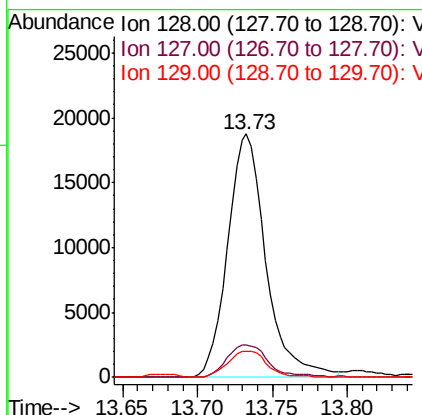
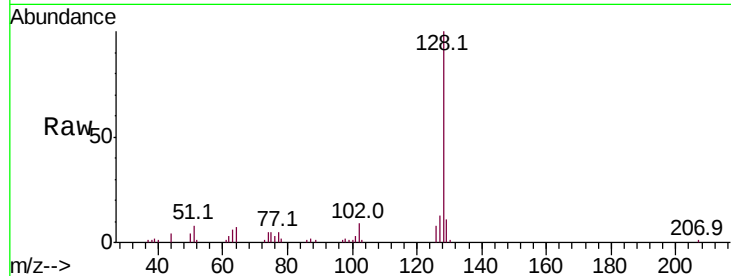
#89
Naphthalene
Concen: 2.383 ug/l
RT: 13.73 min Scan# 3932
Delta R.T. 0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.8	16.2
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
7/23/2019 8:54:48 AM



#90
1,2,3-Trichlorobenzene
Concen: 2.489 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033362.D
Acq: 22 Jul 2019 20:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.9	116.9
145	33.4	25.8	38.8

