

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009844.D
 Acq On : 23 May 2019 07:54
 Operator : JC/SP
 Sample : K2976-11MSD 50X
 Misc : 5.60u/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:39:01 AM

Quant Time: May 23 09:17:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	170051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115730	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	5.50	113	82169	45.26	ug/l	0.00
Spiked Amount			Recovery	=	90.52%	
50) Toluene-d8	8.71	98	333715	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
62) 4-Bromofluorobenzene	11.13	95	132058	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	61470	39.227	ug/l	100
3) Chloromethane	1.32	50	101271	47.336	ug/l	98
4) Vinyl Chloride	1.41	62	97493	46.732	ug/l	98
5) Bromomethane	1.64	94	61101	48.796	ug/l	96
6) Chloroethane	1.71	64	61535	45.941	ug/l	98
7) Trichlorofluoromethane	1.92	101	115390	45.503	ug/l	99
8) Diethyl Ether	2.19	74	57022	47.471	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.38	101	67286	42.253	ug/l	99
10) Methyl Iodide	2.51	142	79757	43.739	ug/l	99
11) Tert butyl alcohol	3.06	59	154741	287.972	ug/l	98
12) 1,1-Dichloroethene	2.37	96	74297	46.565	ug/l	96
13) Acrolein	2.29	56	87679	180.173	ug/l	100
14) Allyl chloride	2.73	41	181071	46.567	ug/l	99
15) Acrylonitrile	3.14	53	324442	246.939	ug/l	99
16) Acetone	2.45	43	289119	231.945	ug/l	97
17) Carbon Disulfide	2.57	76	219772	49.060	ug/l	99
18) Methyl Acetate	2.78	43	144440	48.724	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	300596	48.515	ug/l	100
20) Methylene Chloride	2.85	84	93166	46.162	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	82817	47.860	ug/l	98
22) Diisopropyl ether	3.85	45	367377	49.129	ug/l	98
23) Vinyl Acetate	3.81	43	1634555	255.264	ug/l	98
24) 1,1-Dichloroethane	3.70	63	175258	47.509	ug/l	99
25) 2-Butanone	4.67	43	491041	253.503	ug/l	99
26) 2,2-Dichloropropane	4.59	77	76660	27.919	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	97280	47.099	ug/l	97
28) Bromochloromethane	5.02	49	88622	60.241	ug/l	96
29) Tetrahydrofuran	5.13	42	327700	262.903	ug/l	97
30) Chloroform	5.21	83	160732	48.175	ug/l	100
31) Cyclohexane	5.58	56	160337	46.718	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	130501	46.987	ug/l	99
36) 1,1-Dichloropropene	5.80	75	122461	45.624	ug/l	100
37) Ethyl Acetate	4.84	43	185237	49.532	ug/l	99
38) Carbon Tetrachloride	5.79	117	107025	43.886	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052219\
 Data File : VX009844.D
 Acq On : 23 May 2019 07:54
 Operator : JC/SP
 Sample : K2976-11MSD 50X
 Misc : 5.60µ/5mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:39:01 AM

Quant Time: May 23 09:17:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	140153	42.518	ug/l	98
40) Benzene	6.14	78	376258	45.295	ug/l	98
41) Methacrylonitrile	5.04	41	105755	47.505	ug/l	98
42) 1,2-Dichloroethane	6.20	62	139412	46.786	ug/l	99
43) Isopropyl Acetate	6.45	43	294263	49.192	ug/l	98
44) Trichloroethene	7.21	130	89913	44.773	ug/l	99
45) 1,2-Dichloropropane	7.51	63	108091	45.954	ug/l	98
46) Dibromomethane	7.66	93	62270	45.588	ug/l	99
47) Bromodichloromethane	7.90	83	126034	46.257	ug/l	97
48) Methyl methacrylate	7.77	41	148173	49.927	ug/l	98
49) 1,4-Dioxane	7.74	88	55600	923.795	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	979379	250.485	ug/l	98
52) Toluene	8.78	92	229415	45.433	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	140364	45.629	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	150875	44.312	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	92744	45.020	ug/l	96
56) Ethyl methacrylate	9.18	69	176274	47.935	ug/l	95
57) 1,3-Dichloropropane	9.37	76	168054	46.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	447613	229.450	ug/l	99
59) 2-Hexanone	9.49	43	754508	245.703	ug/l	99
60) Dibromochloromethane	9.58	129	92872	46.158	ug/l	98
61) 1,2-Dibromoethane	9.67	107	97613	46.941	ug/l	100
64) Tetrachloroethene	9.34	164	86867	47.168	ug/l	98
65) Chlorobenzene	10.13	112	241245	44.918	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	85568	43.946	ug/l	99
67) Ethyl Benzene	10.25	91	445702	45.092	ug/l	99
68) m/p-Xylenes	10.36	106	327844	90.764	ug/l	97
69) o-Xylene	10.69	106	161267	45.251	ug/l	98
70) Styrene	10.71	104	287972	46.491	ug/l	98
71) Bromoform	10.85	173	72087	45.557	ug/l #	100
73) Isopropylbenzene	11.02	105	458360	44.560	ug/l	100
74) N-amyl acetate	10.90	43	330600	55.127	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.27	83	189178	49.334	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	138675m	42.263	ug/l	
77) Bromobenzene	11.26	156	107986	42.296	ug/l	98
78) n-propylbenzene	11.36	91	598477	50.945	ug/l	100
79) 2-Chlorotoluene	11.42	91	299169	41.278	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	525946	60.725	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46922	36.589	ug/l	88
82) 4-Chlorotoluene	11.51	91	372783	45.529	ug/l	97
83) tert-Butylbenzene	11.77	119	370502	43.974	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1432900	164.822	ug/l	99
85) sec-Butylbenzene	11.94	105	548717	54.932	ug/l	95
86) p-Isopropyltoluene	12.06	119	510613	56.860	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	199682	43.873	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	201503	43.913	ug/l	98
89) n-Butylbenzene	12.38	91	562470	69.299	ug/l #	84
90) Hexachloroethane	12.59	117	95673	62.535	ug/l	70
91) 1,2-Dichlorobenzene	12.39	146	196349	42.355	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39549	45.976	ug/l	91

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052219\
Data File : VX009844.D
Acq On : 23 May 2019 07:54
Operator : JC/SP
Sample : K2976-11MSD 50X
Misc : 5.60g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

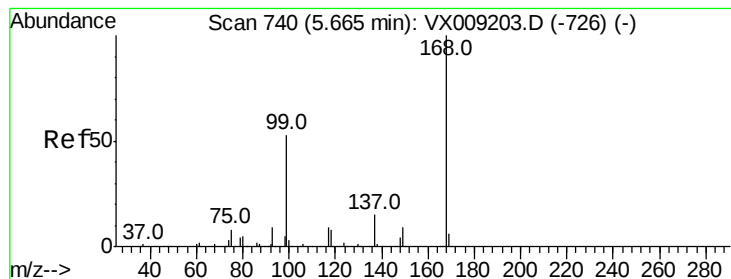
Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM

Quant Time: May 23 09:17:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	144947	45.723	ug/l	97
94) Hexachlorobutadiene	13.78	225	72521	44.798	ug/l	100
95) Naphthalene	13.83	128	461130	44.710	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143184	44.558	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:168 Resp: 170051

Ion Ratio Lower Upper

168 100

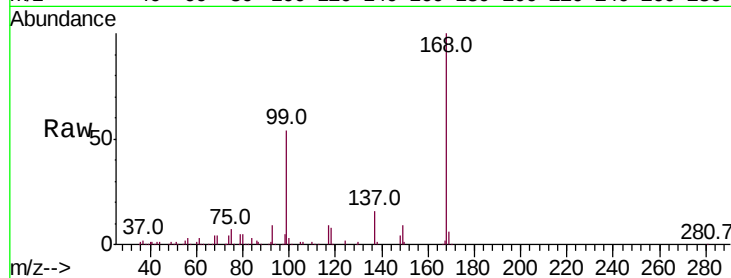
99 54.2 42.3 63.5

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

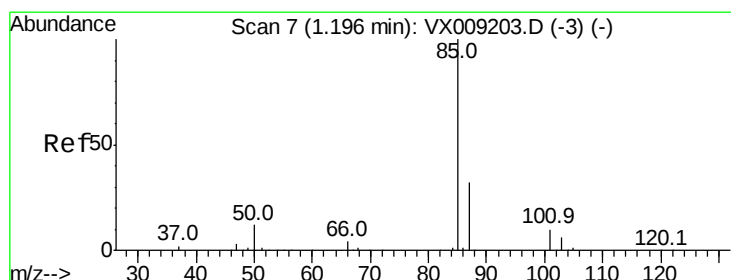
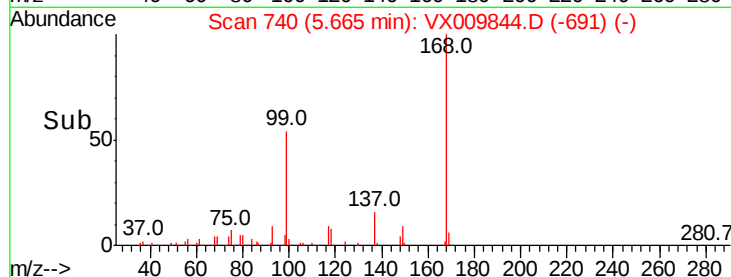
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 39.227 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009844.D

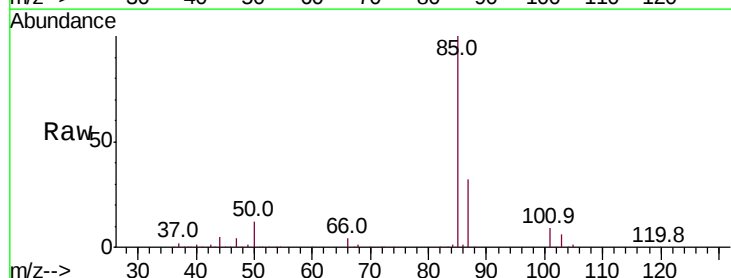
Acq: 23 May 2019 07:54

Tgt Ion: 85 Resp: 61470

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

60000

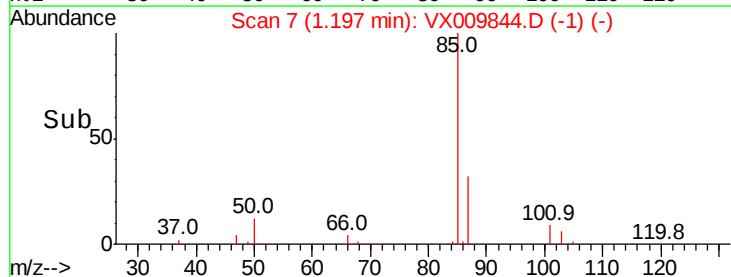
40000

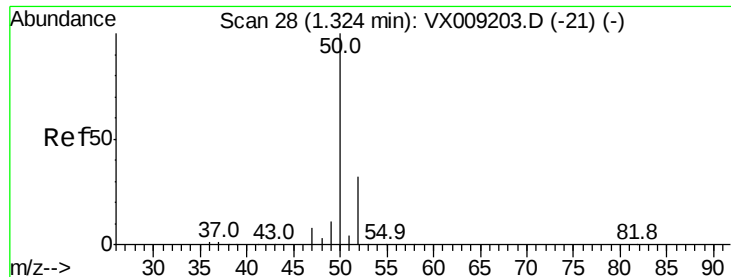
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 47.336 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 50 Resp: 101271

Ion Ratio Lower Upper

50 100

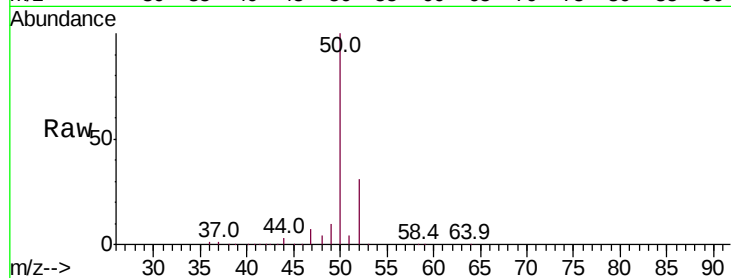
52 31.3 25.9 38.9

Manual Integrations

APPROVED

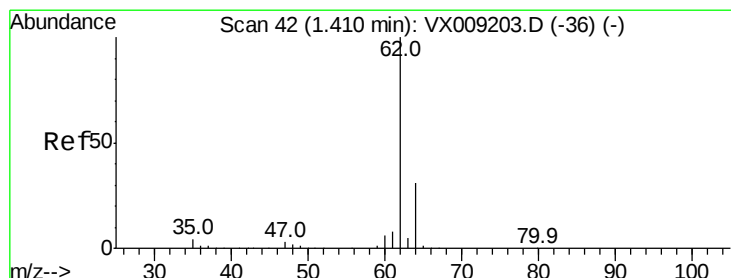
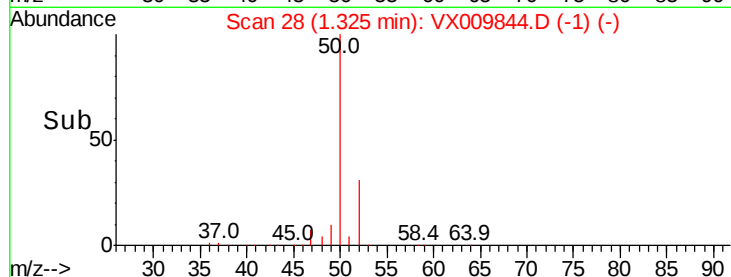
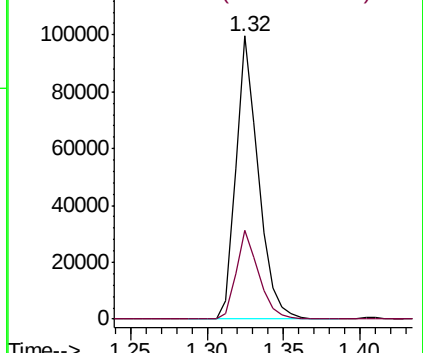
MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 46.732 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009844.D

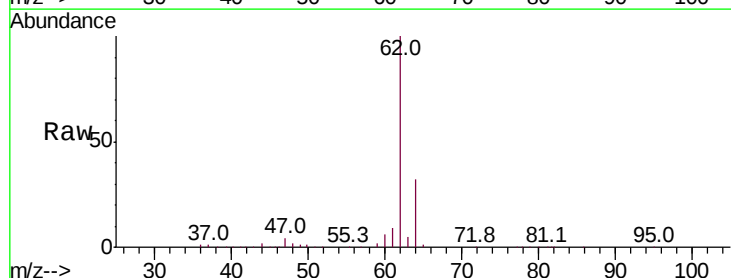
Acq: 23 May 2019 07:54

Tgt Ion: 62 Resp: 97493

Ion Ratio Lower Upper

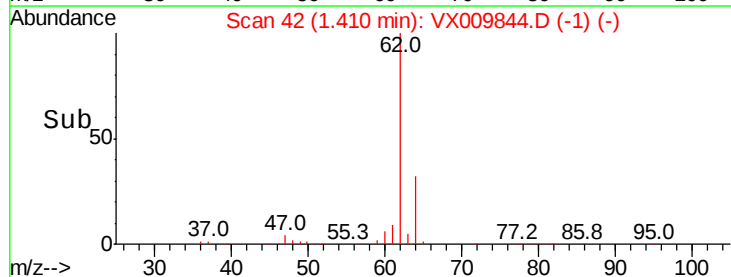
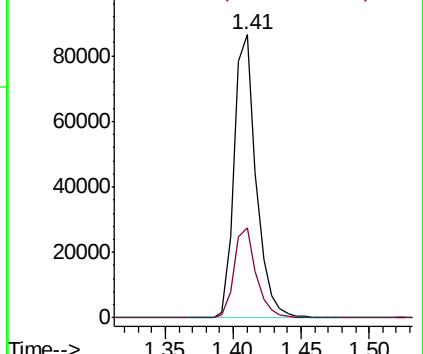
62 100

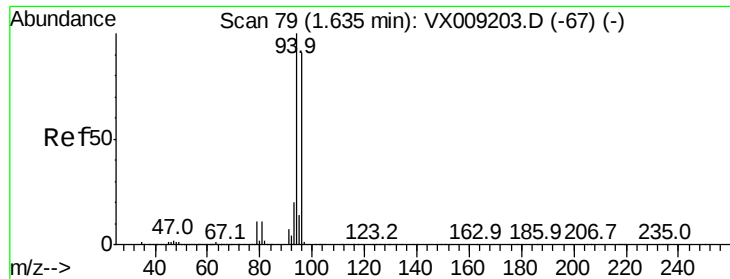
64 31.9 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





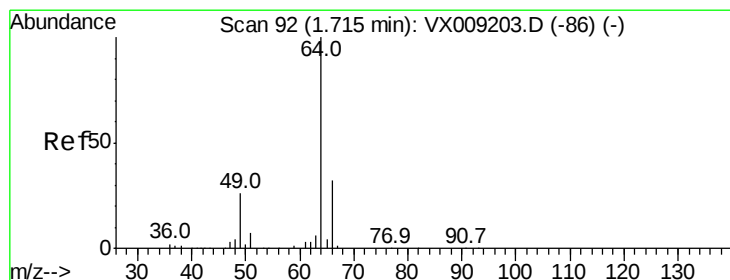
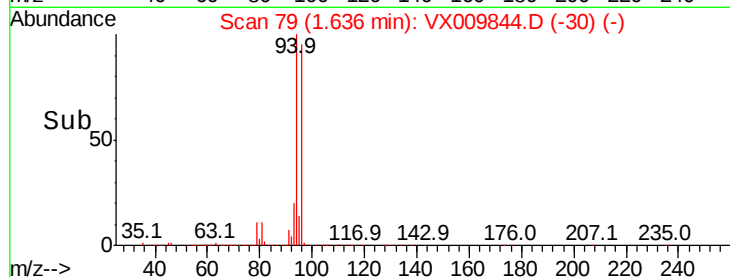
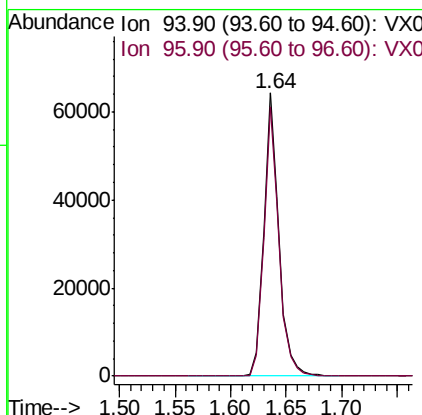
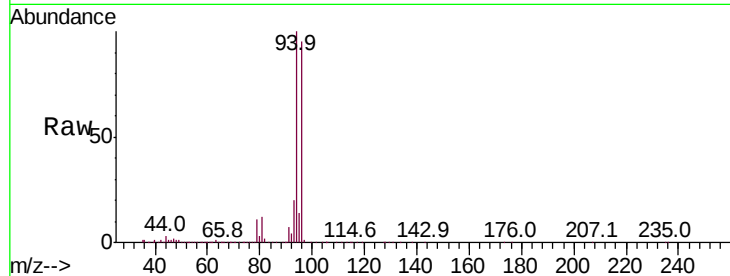
#5
Bromomethane
Concen: 48.796 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
94	100		
96	95.2	73.0	109.6

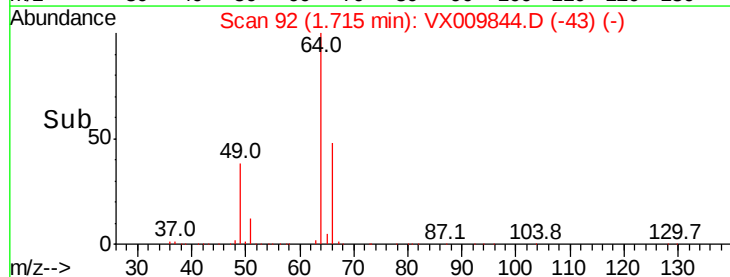
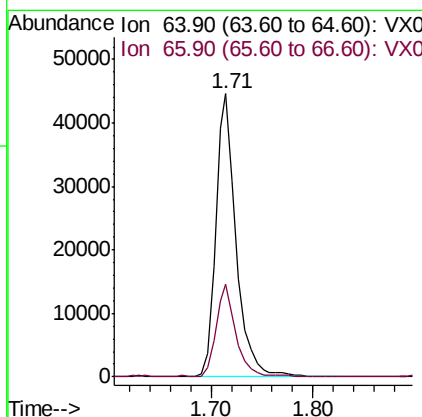
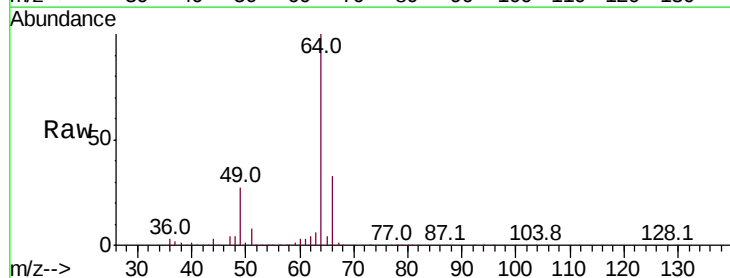
Manual Integrations
APPROVED

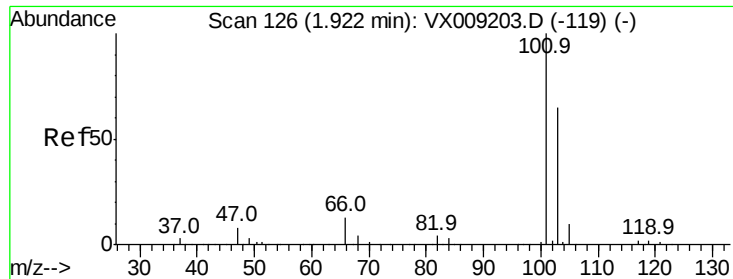
MMDadoda
5/23/2019 10:39:01 AM



#6
Chloroethane
Concen: 45.941 ug/l
RT: 1.71 min Scan# 92
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.6	25.3	37.9





#7

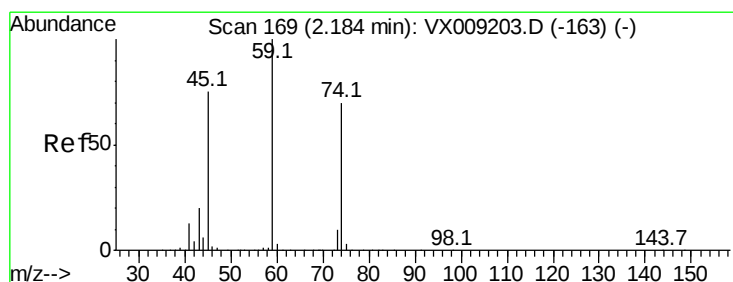
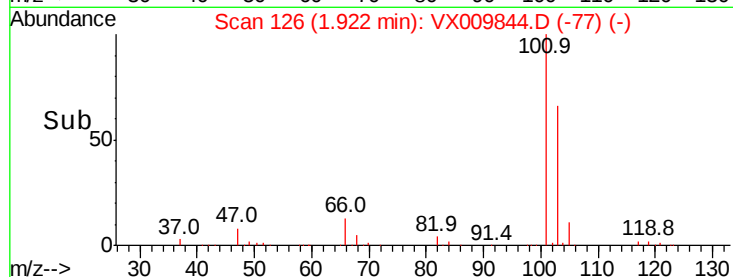
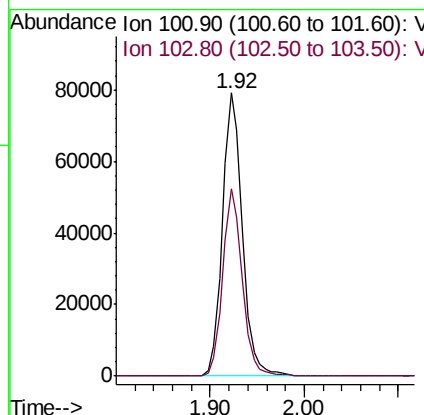
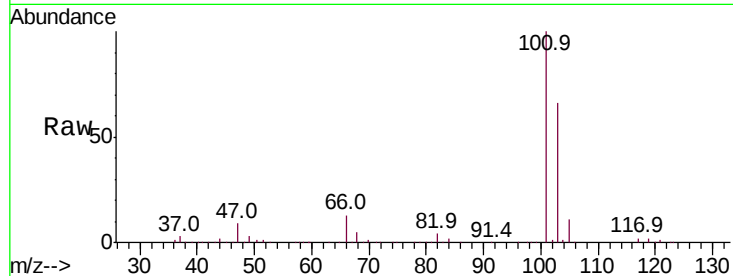
Trichlorofluoromethane
Concen: 45.503 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.4	78.6

Manual Integrations
APPROVED

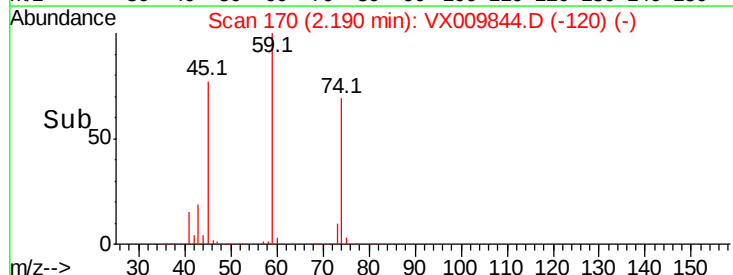
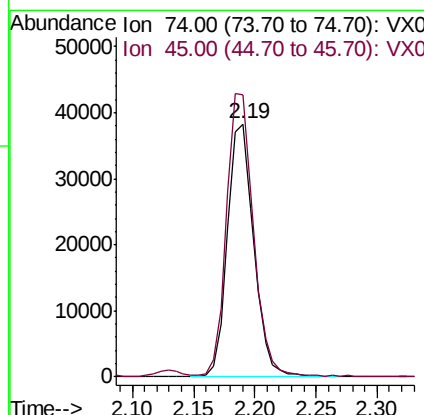
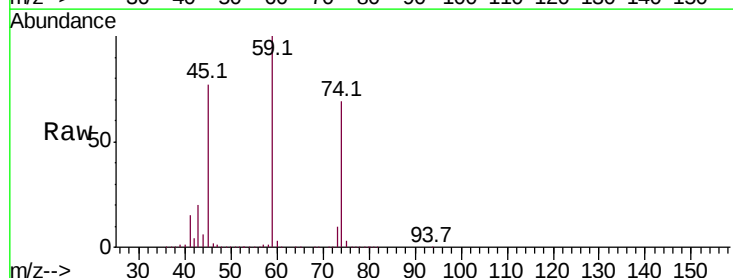
MMDadoda
5/23/2019 10:39:01 AM

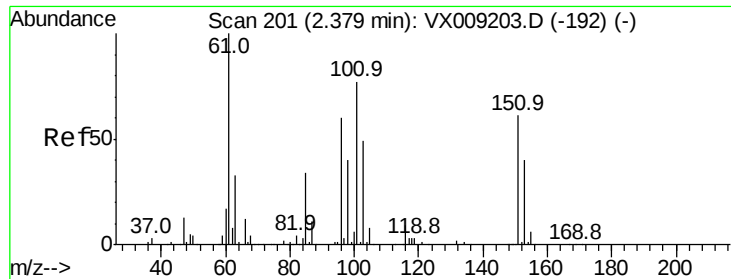


#8

Diethyl Ether
Concen: 47.471 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.3	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.253 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

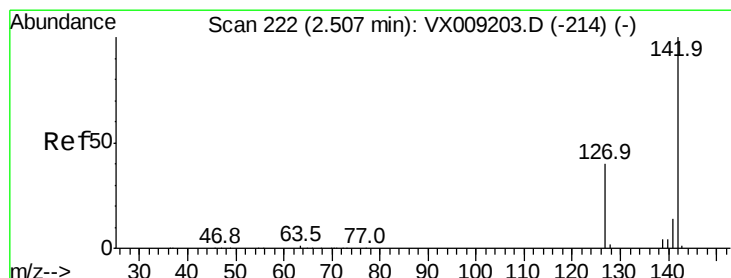
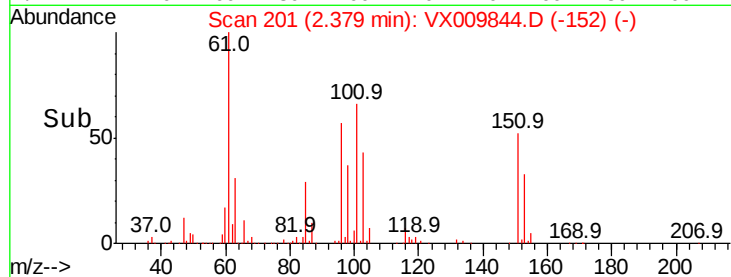
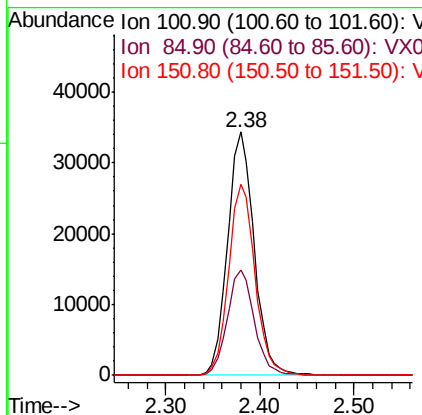
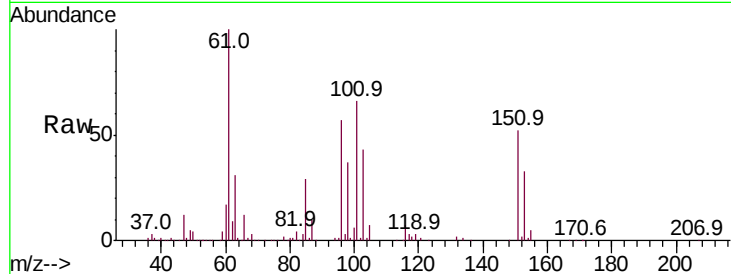
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	101	Resp:	67286
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.7	53.5
151	78.0	62.2	93.2

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#10

Methyl Iodide

Concen: 43.739 ug/l

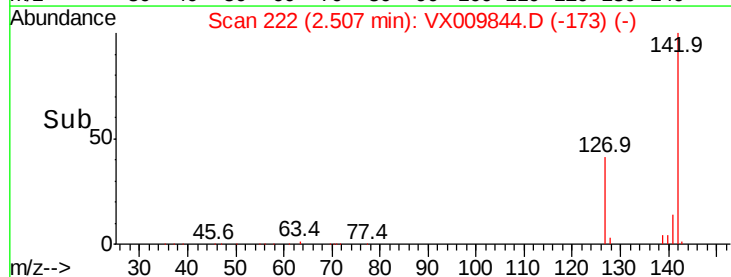
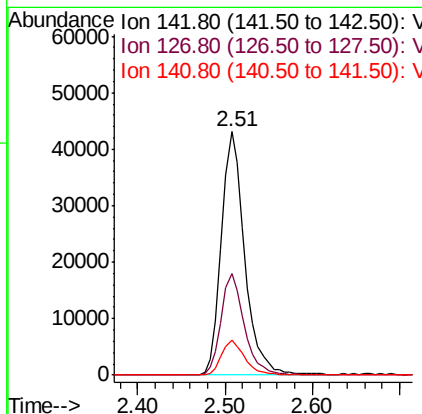
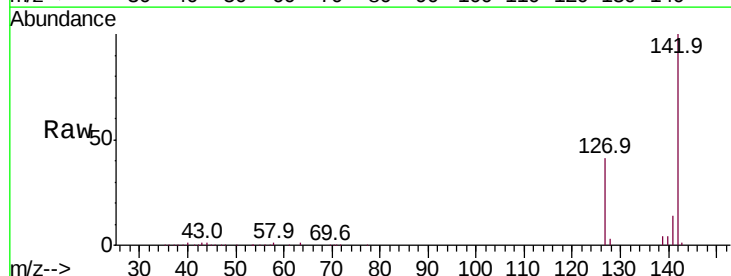
RT: 2.51 min Scan# 222

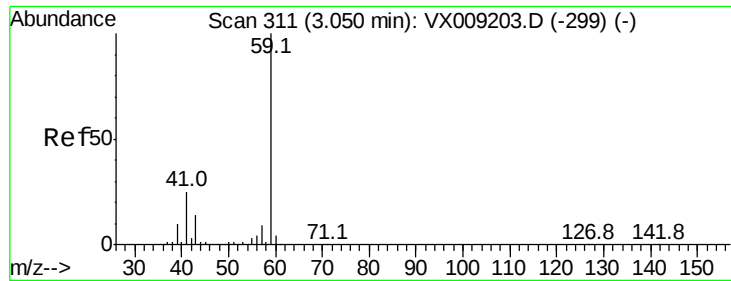
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	142	Resp:	79757
Ion Ratio	Lower	Upper	
142	100		
127	41.7	32.7	49.1
141	14.2	11.5	17.3





#11

Tert butyl alcohol

Concen: 287.972 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.01 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :
MSVOA_X

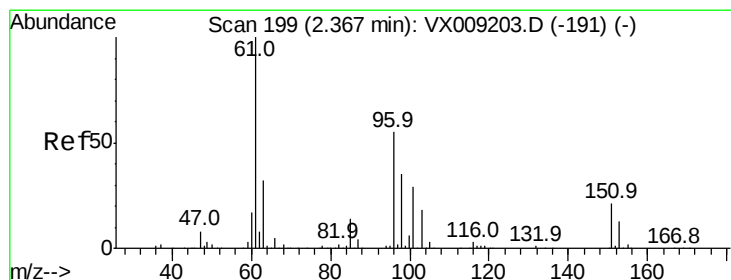
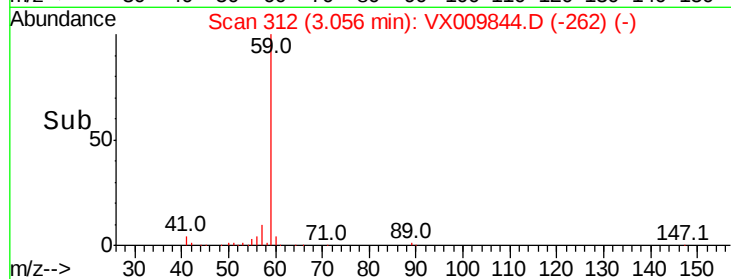
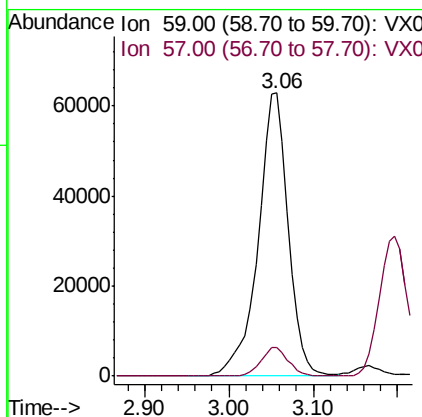
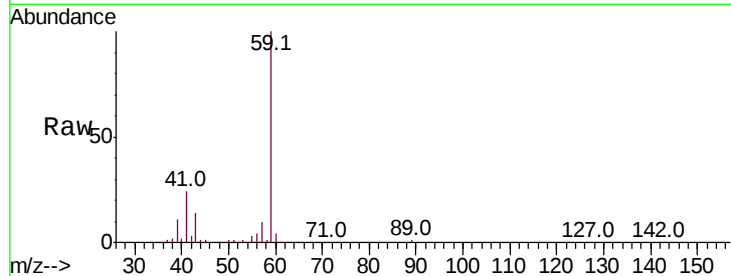
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion: 59 Resp: 154741

Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#12

1,1-Dichloroethene

Concen: 46.565 ug/l

RT: 2.37 min Scan# 199

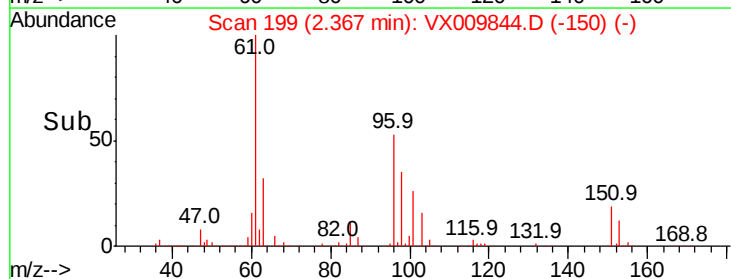
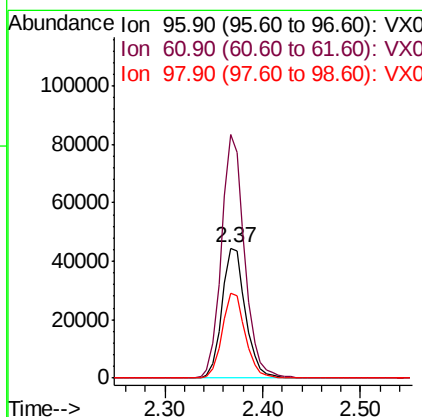
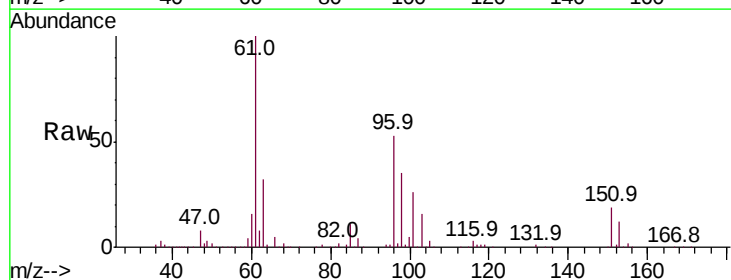
Delta R.T. 0.00 min

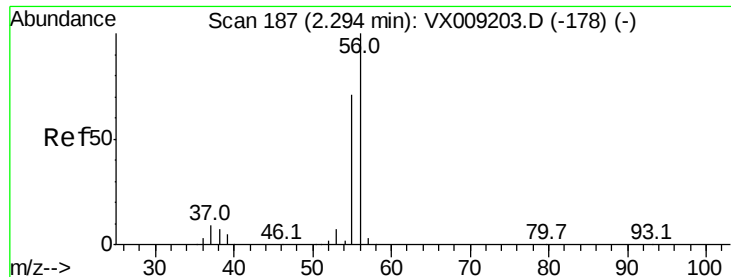
Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion: 96 Resp: 74297

Ion	Ratio	Lower	Upper
96	100		
61	186.9	144.3	216.5
98	65.0	50.3	75.5





#13

Acrolein

Concen: 180.173 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 56 Resp: 87679

Ion Ratio Lower Upper

56 100

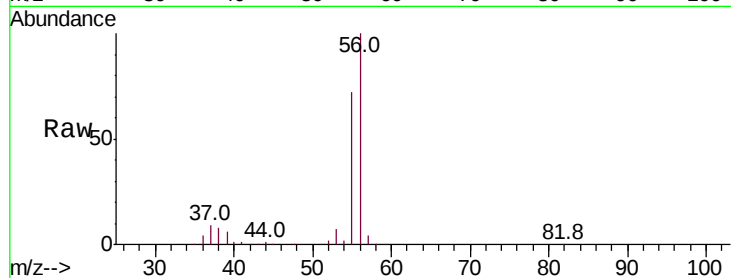
55 71.0 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

60000

50000

40000

30000

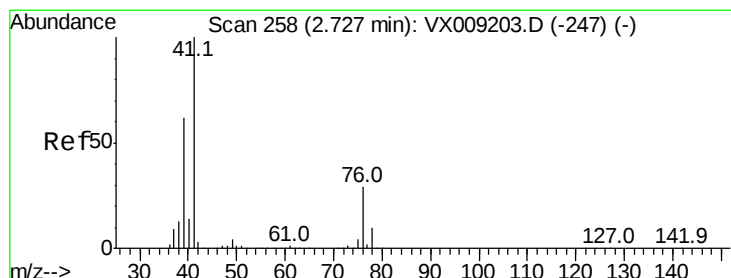
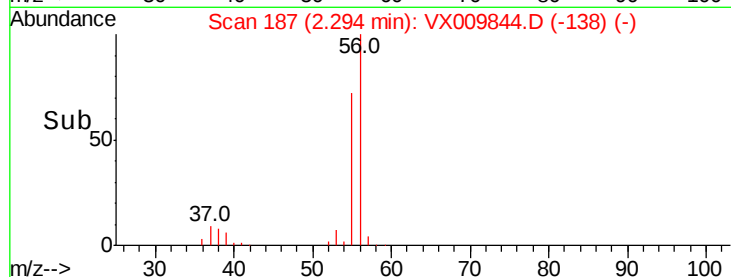
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 46.567 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

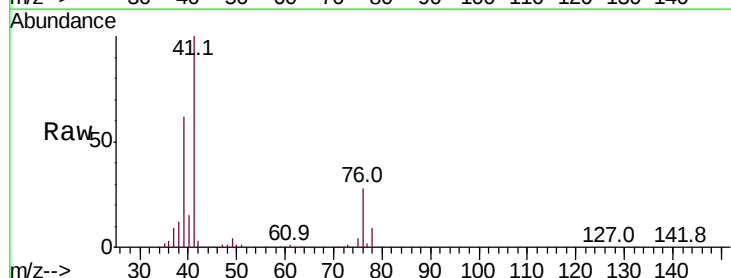
Tgt Ion: 41 Resp: 181071

Ion Ratio Lower Upper

41 100

39 58.7 46.7 70.1

76 26.0 21.8 32.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

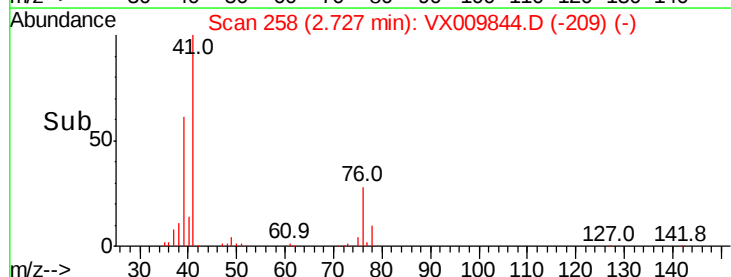
40000

20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 246.939 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

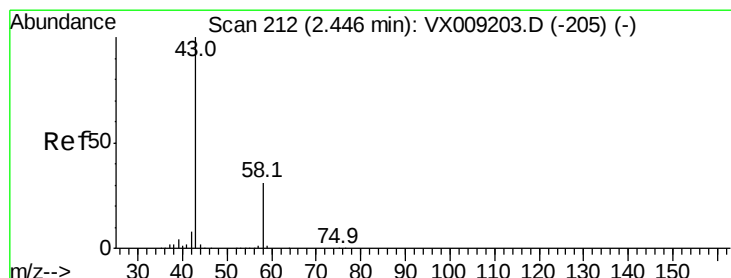
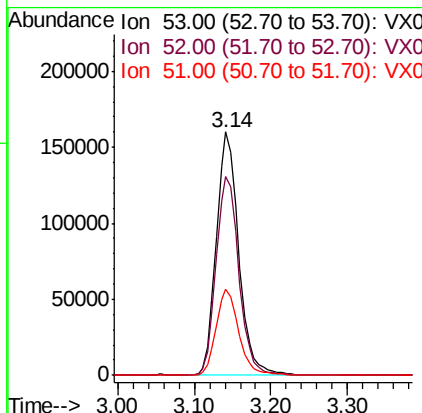
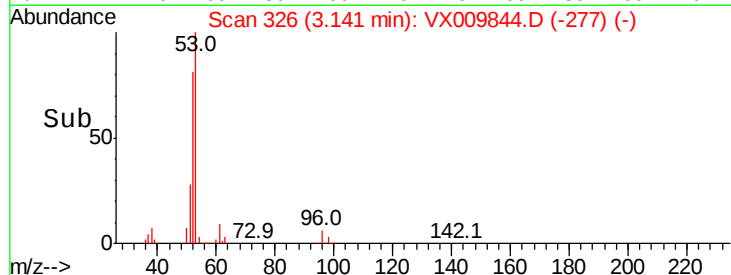
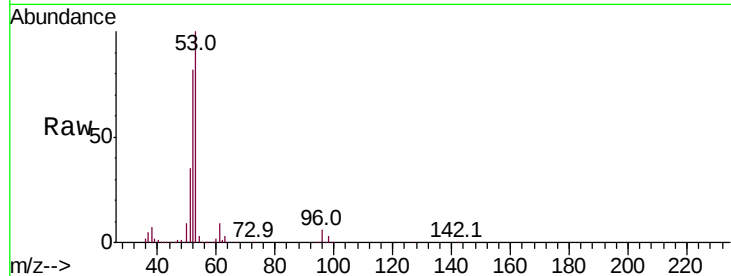
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	53	Resp:	324442
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.9	100.3
51	35.9	28.2	42.2

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#16

Acetone

Concen: 231.945 ug/l

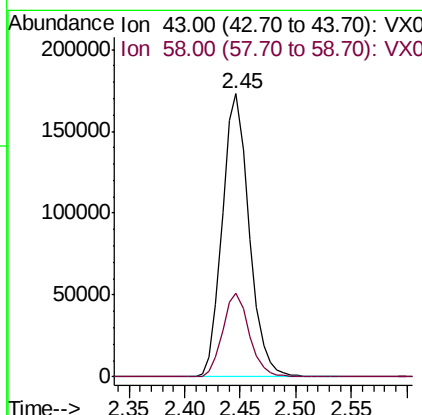
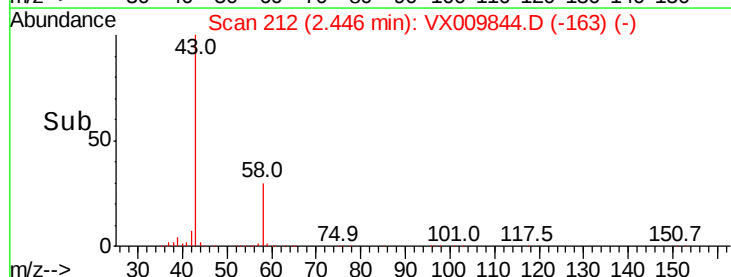
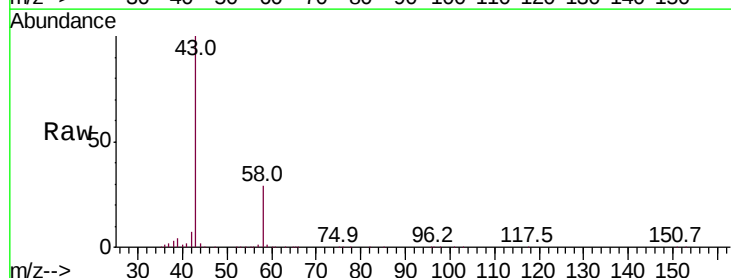
RT: 2.45 min Scan# 212

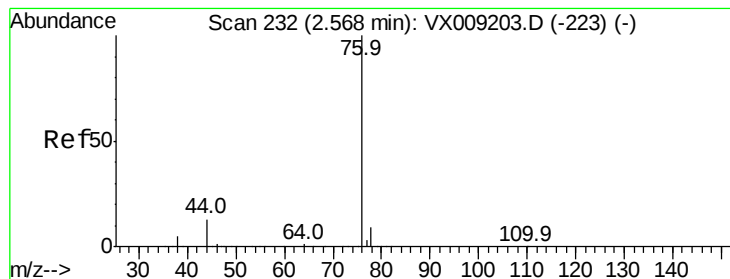
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	43	Resp:	289119
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.9	37.3





#17

Carbon Disulfide

Concen: 49.060 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 76 Resp: 219772

Ion Ratio Lower Upper

76 100

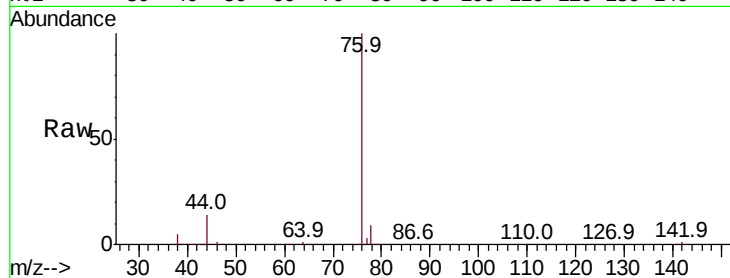
78 9.0 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

150000

100000

50000

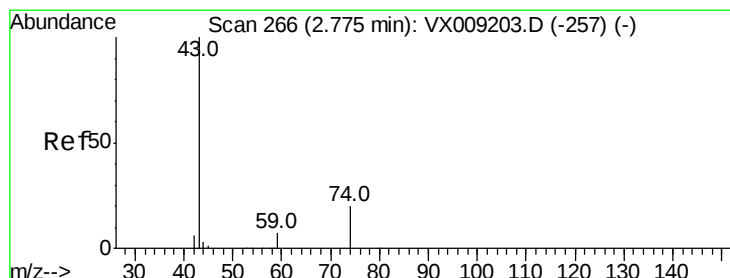
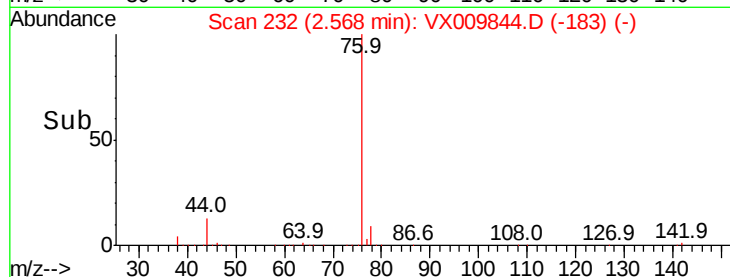
0

Time-->

2.50

2.60

2.70



#18

Methyl Acetate

Concen: 48.724 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009844.D

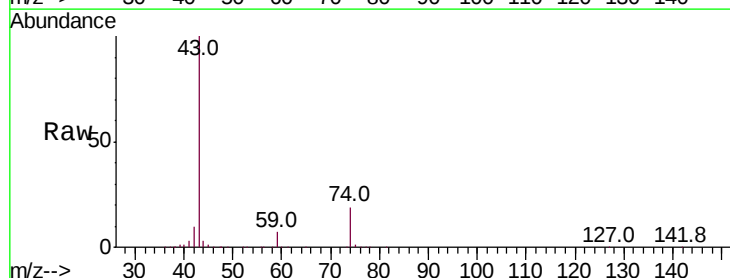
Acq: 23 May 2019 07:54

Tgt Ion: 43 Resp: 144440

Ion Ratio Lower Upper

43 100

74 19.8 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

80000

60000

40000

20000

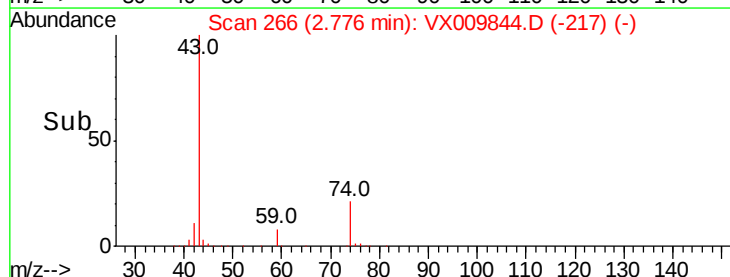
0

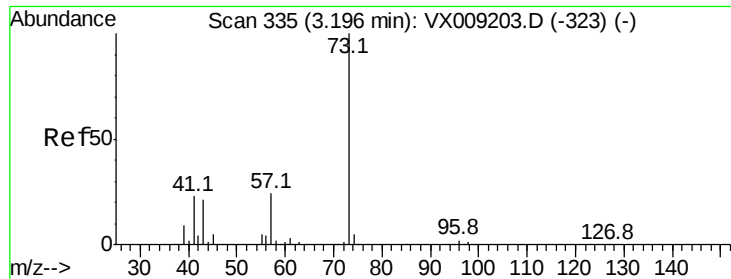
Time-->

2.70

2.80

2.90





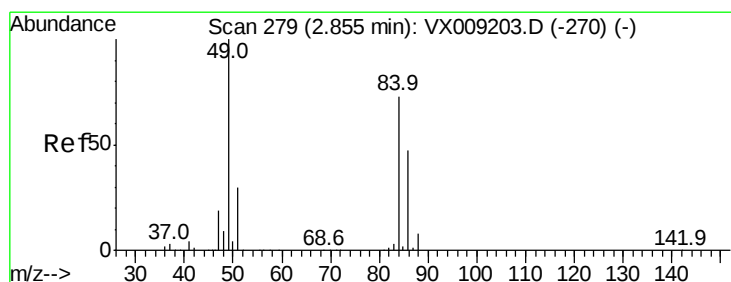
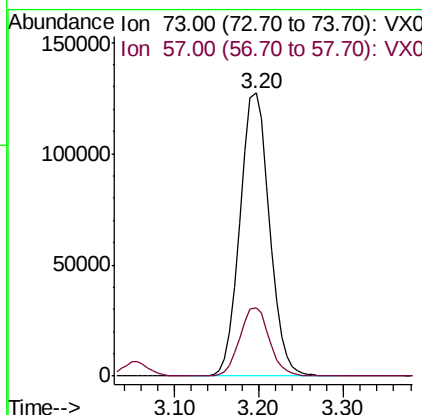
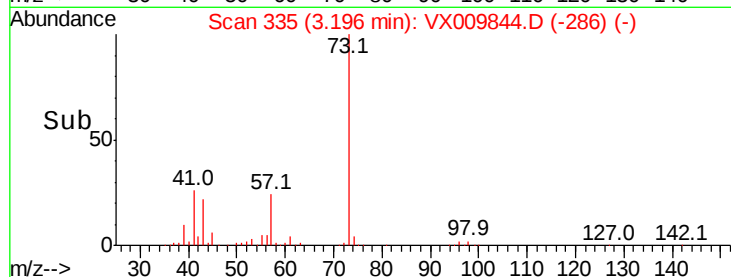
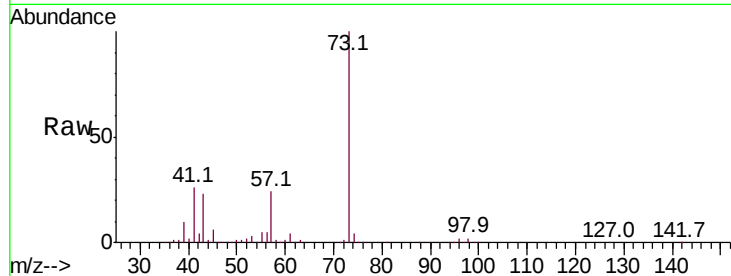
#19
Methyl tert-butyl Ether
Concen: 48.515 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.3	28.9

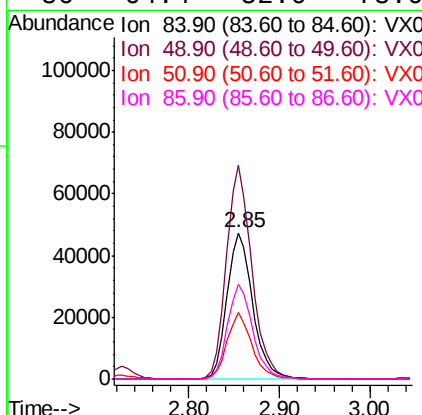
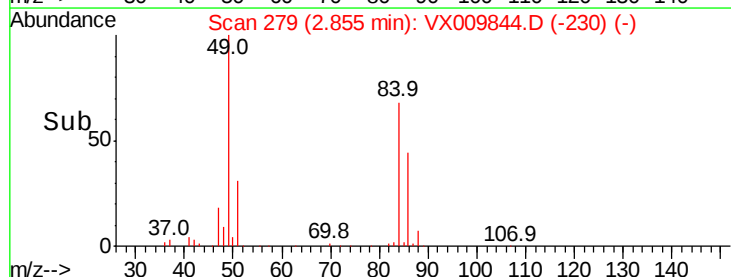
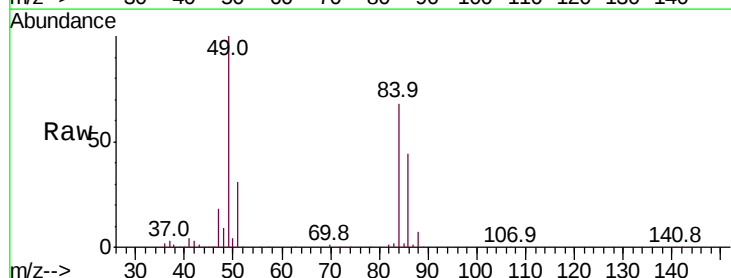
Manual Integrations
APPROVED

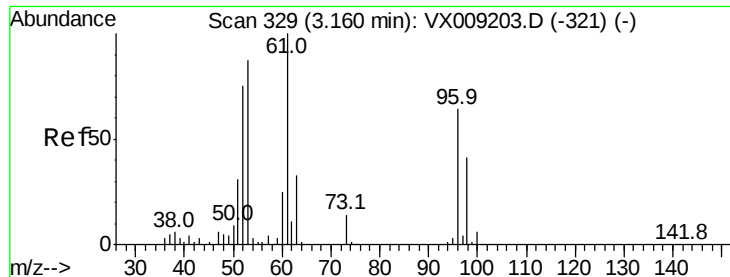
MMDadoda
5/23/2019 10:39:01 AM



#20
Methylene Chloride
Concen: 46.162 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.0	109.9	164.9
51	45.4	32.7	49.1
86	64.4	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 47.860 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

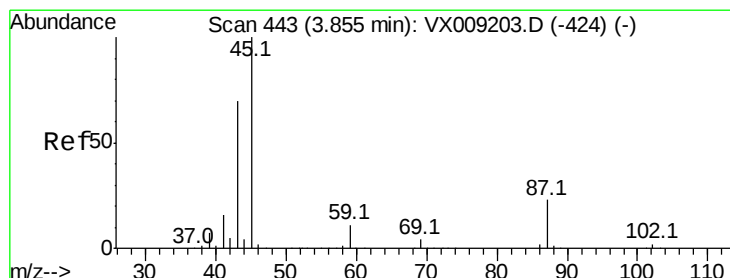
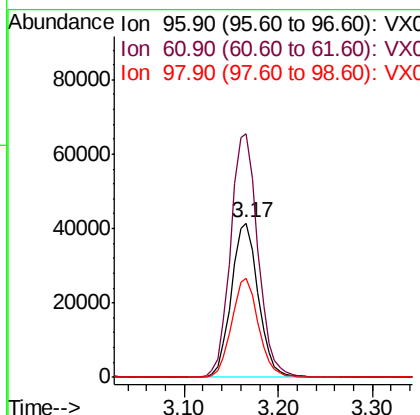
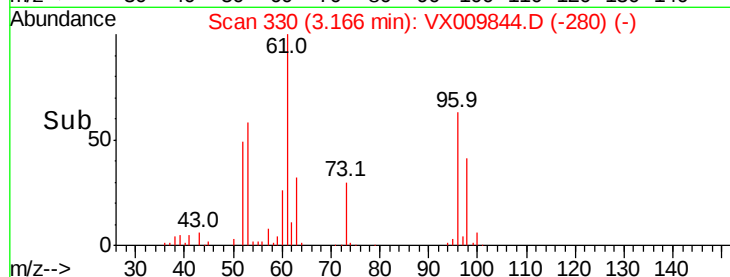
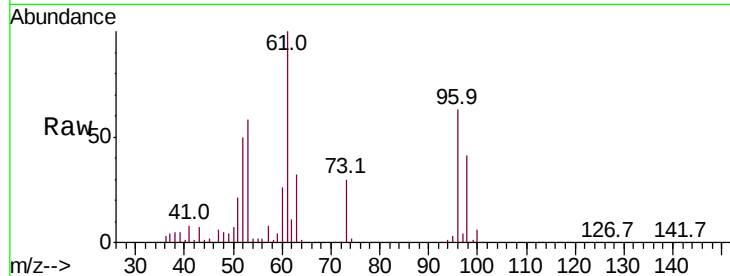
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	96	Resp:	82817
Ion Ratio	Lower	Upper	
96	100		
61	157.8	124.5	186.7
98	64.1	50.4	75.6

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#22

Diisopropyl ether

Concen: 49.129 ug/l

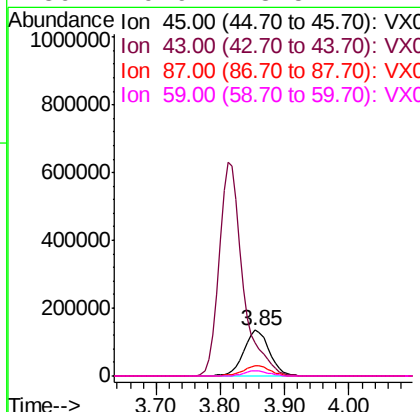
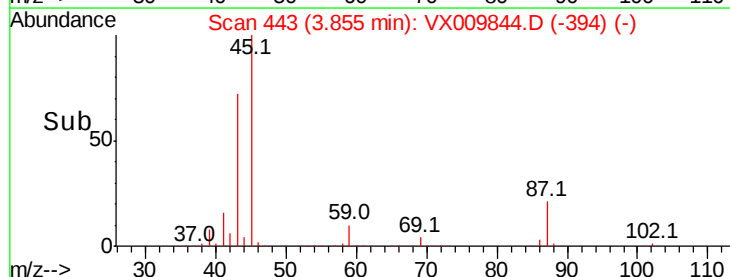
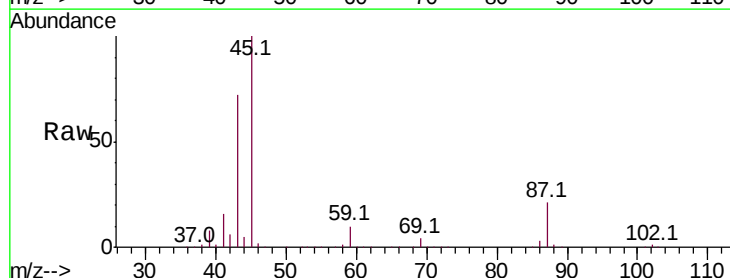
RT: 3.85 min Scan# 443

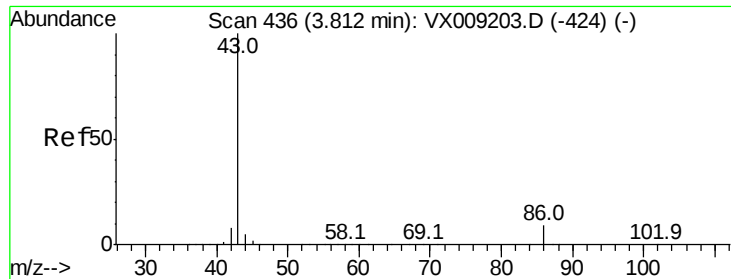
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	45	Resp:	367377
Ion Ratio	Lower	Upper	
45	100		
43	72.1	56.1	84.1
87	21.3	18.1	27.1
59	9.9	8.5	12.7





#23

Vinyl Acetate

Concen: 255.264 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 43 Resp: 1634555

Ion Ratio Lower Upper

43 100

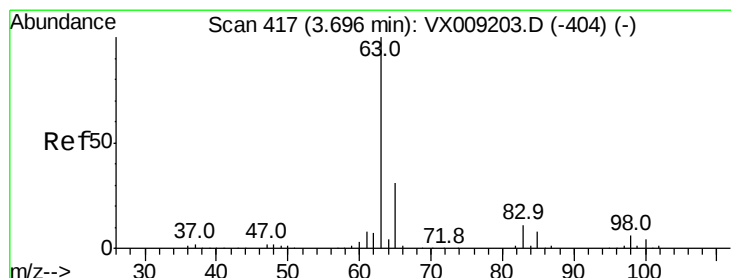
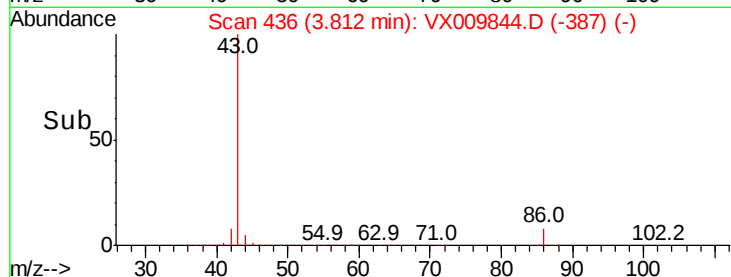
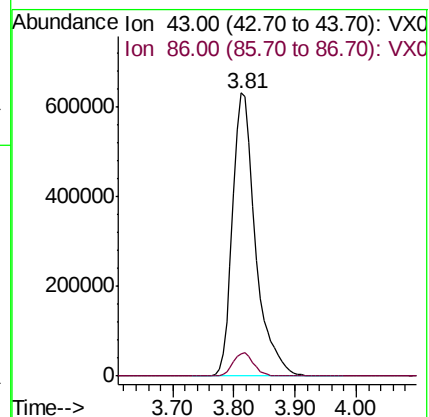
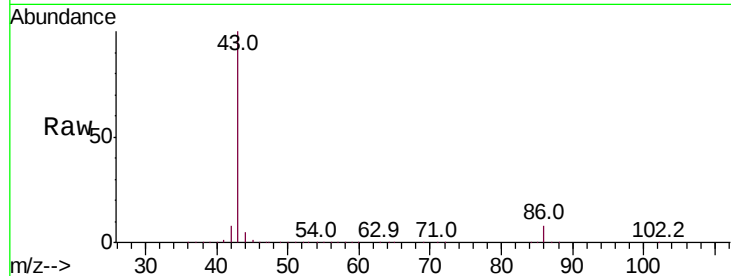
86 8.0 6.9 10.3

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#24

1,1-Dichloroethane

Concen: 47.509 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

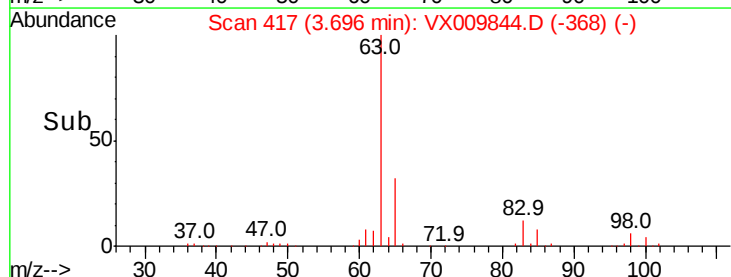
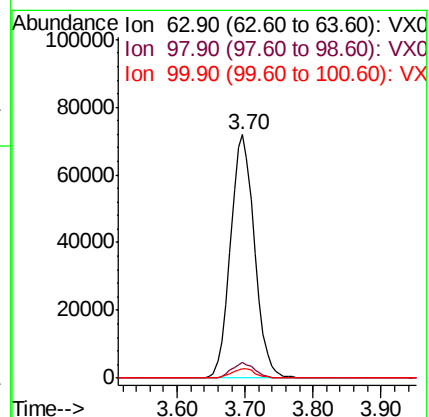
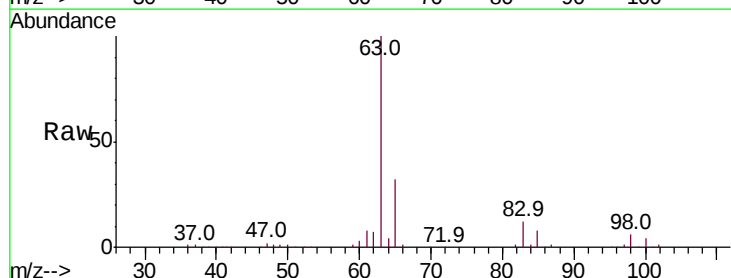
Tgt Ion: 63 Resp: 175258

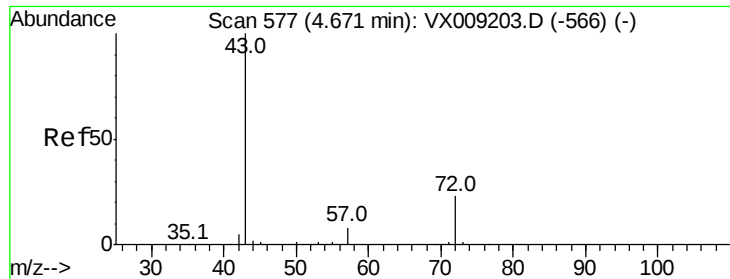
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.6 2.0 6.0





#25

2-Butanone

Concen: 253.503 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 43 Resp: 491041

Ion Ratio Lower Upper

43 100

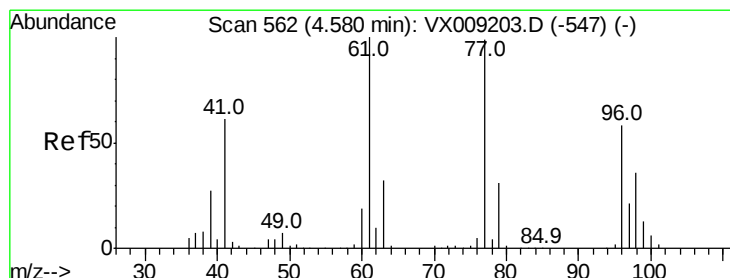
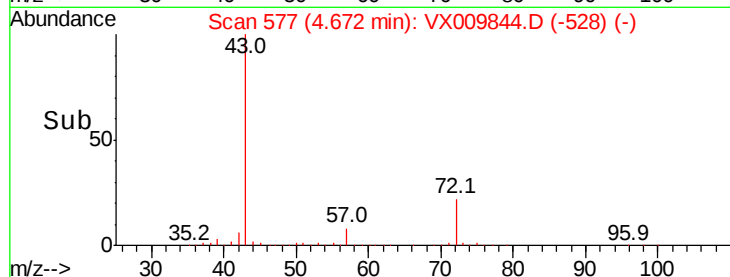
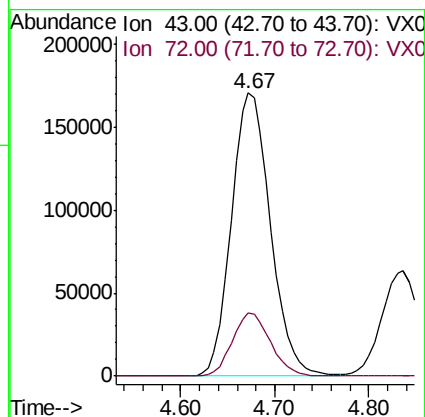
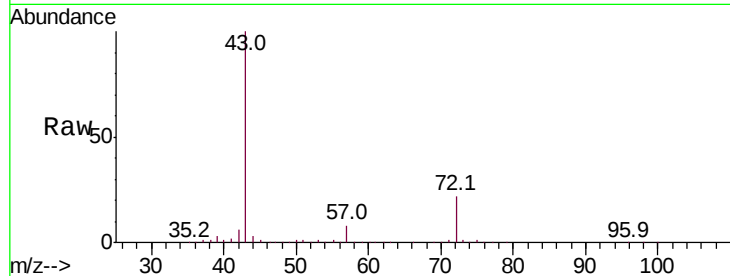
72 22.2 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#26

2,2-Dichloropropane

Concen: 27.919 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009844.D

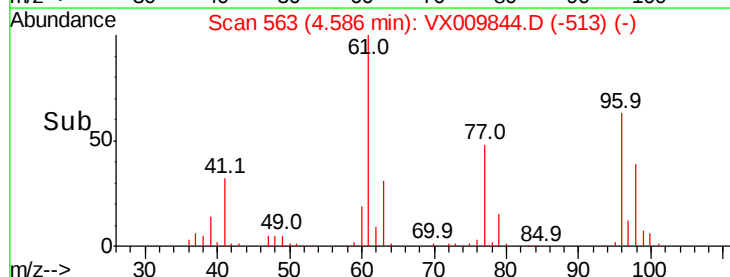
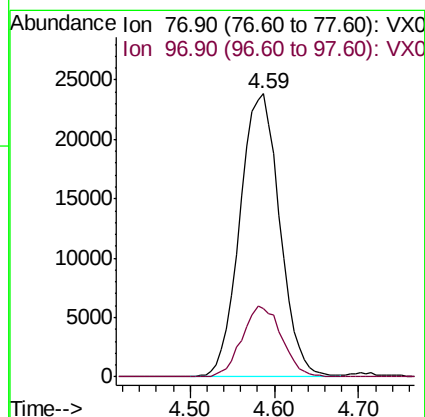
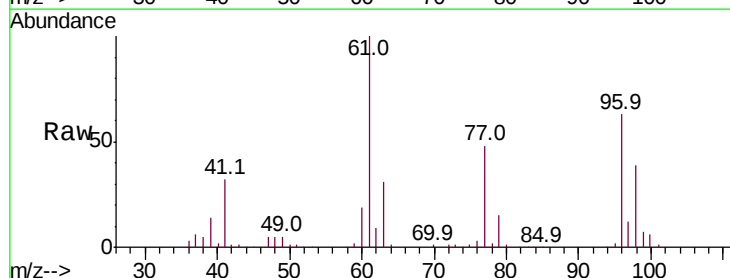
Acq: 23 May 2019 07:54

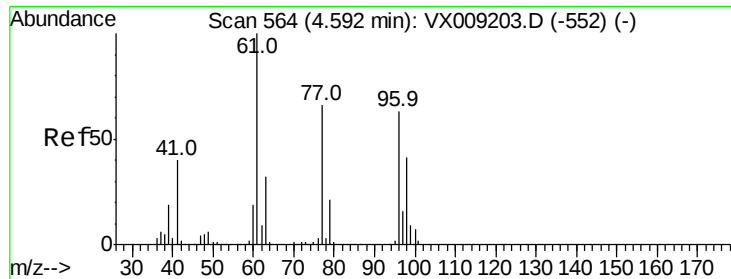
Tgt Ion: 77 Resp: 76660

Ion Ratio Lower Upper

77 100

97 24.8 11.5 34.4





#27

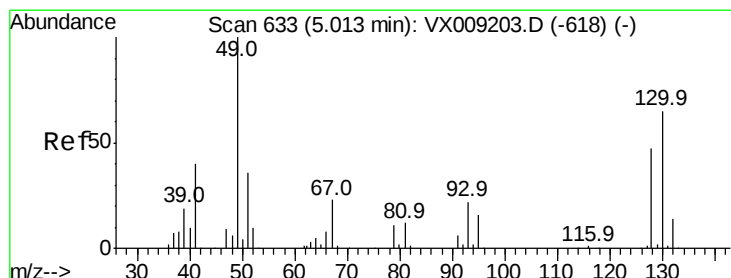
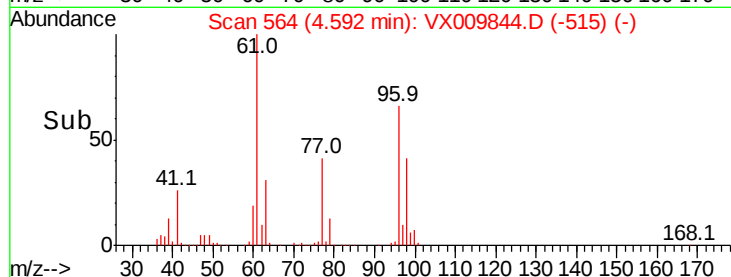
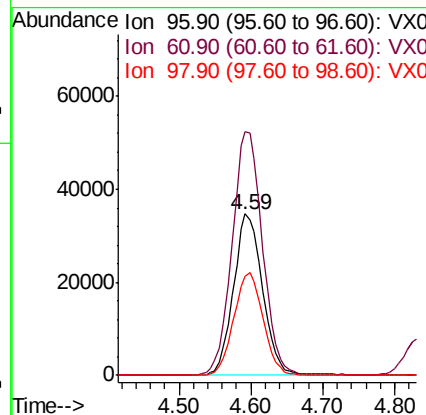
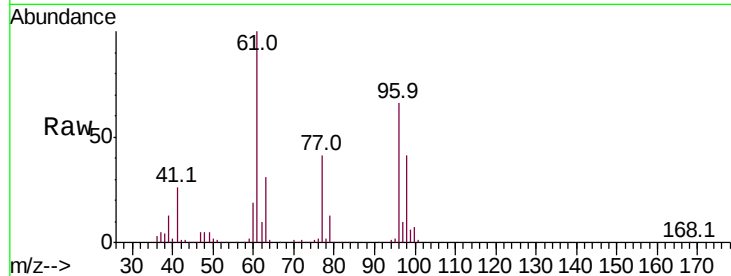
cis-1,2-Dichloroethene
Concen: 47.099 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	324.0
98	64.3	0.0	130.4

Manual Integrations
APPROVED

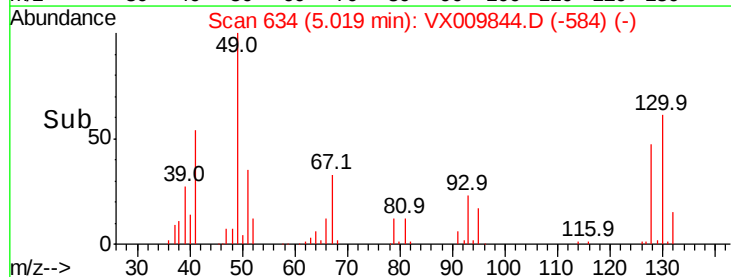
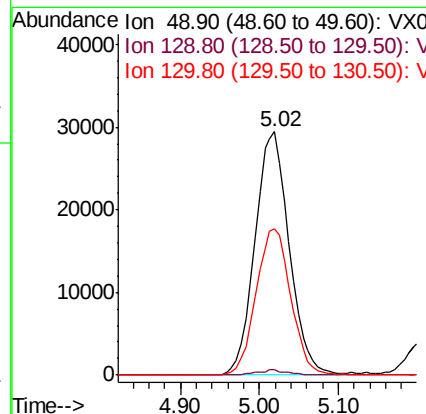
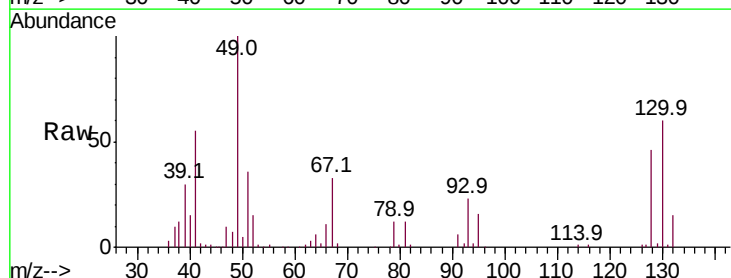
MMDadoda
5/23/2019 10:39:01 AM

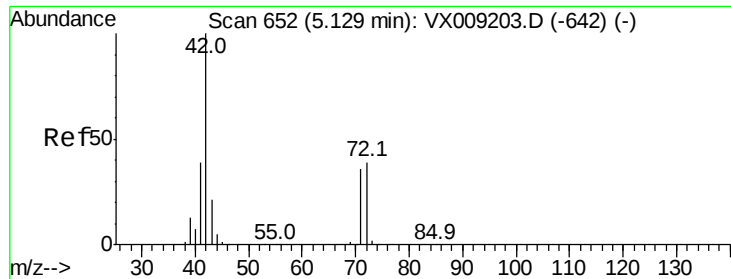


#28

Bromochloromethane
Concen: 60.241 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	61.1	51.2	76.8





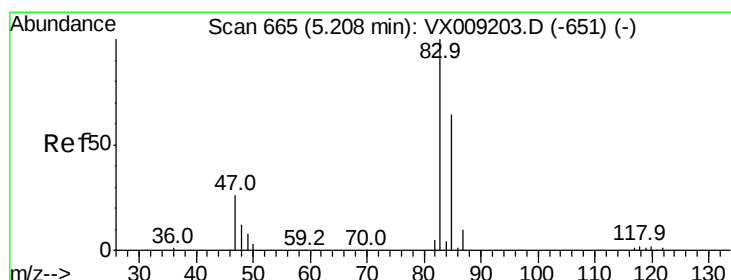
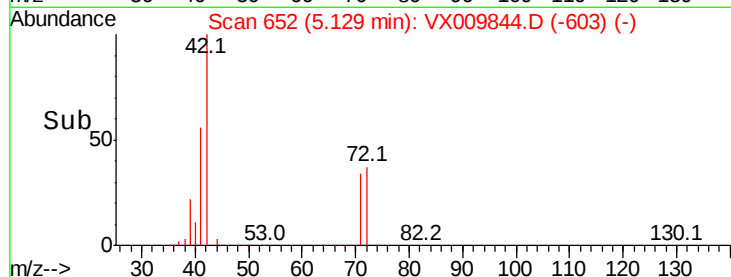
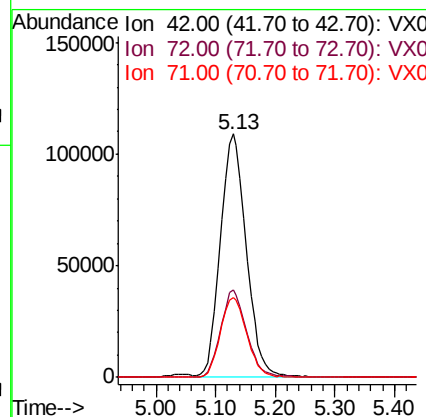
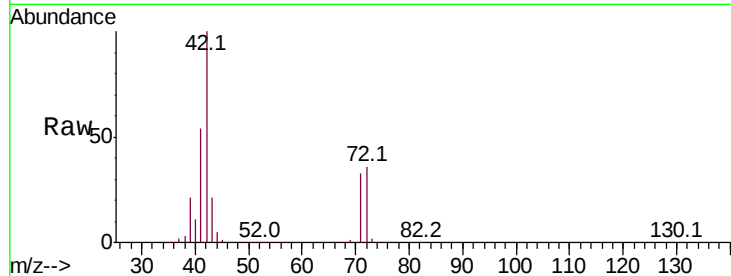
#29
Tetrahydrofuran
Concen: 262.903 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	30.4	45.6
71	33.8	28.6	43.0

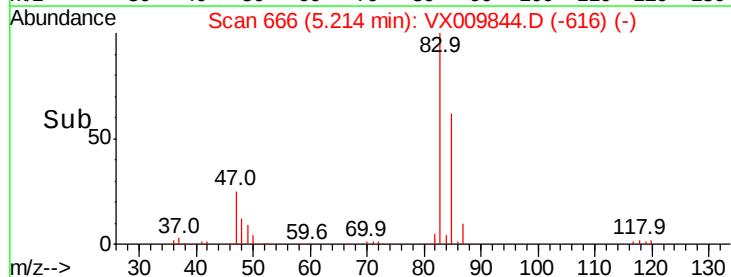
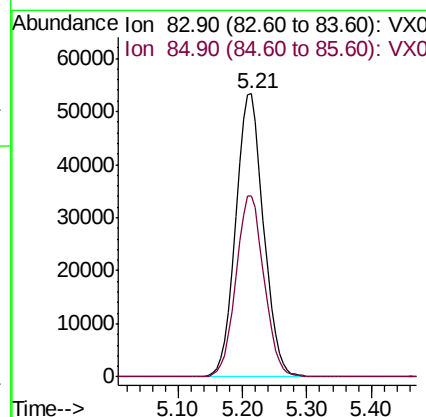
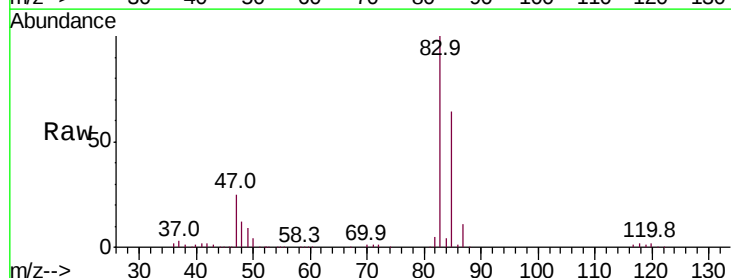
Manual Integrations
APPROVED

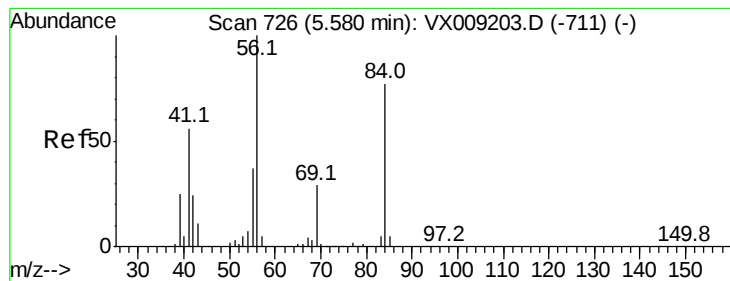
MMDadoda
5/23/2019 10:39:01 AM



#30
Chloroform
Concen: 48.175 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3





#31

Cyclohexane

Concen: 46.718 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

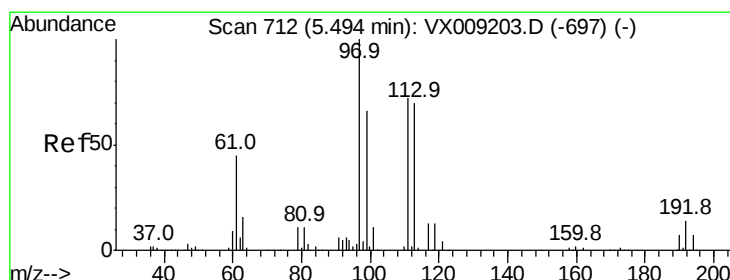
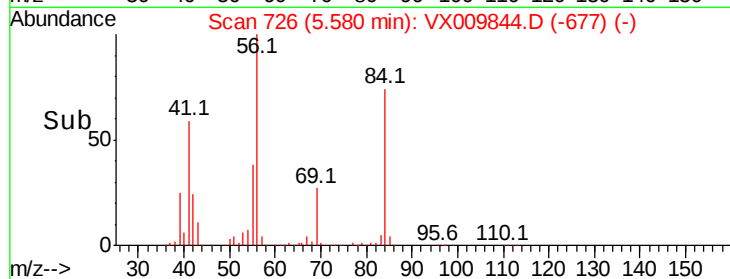
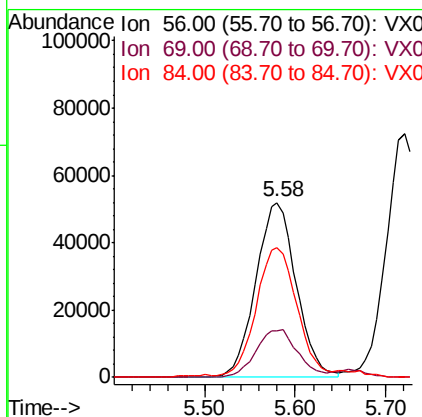
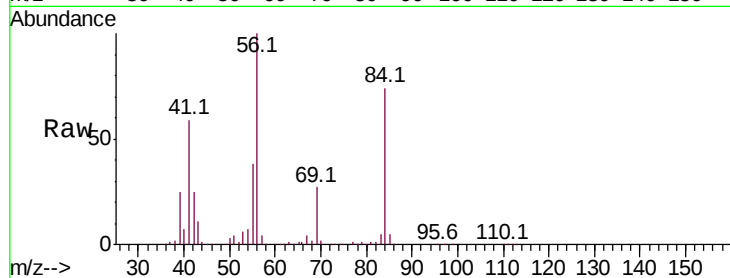
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	56	Resp:	160337
Ion Ratio	Lower	Upper	
56	100		
69	26.6	23.4	35.0
84	73.0	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#32

1,1,1-Trichloroethane

Concen: 46.987 ug/l

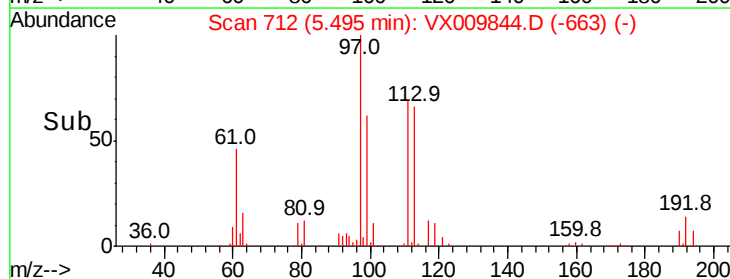
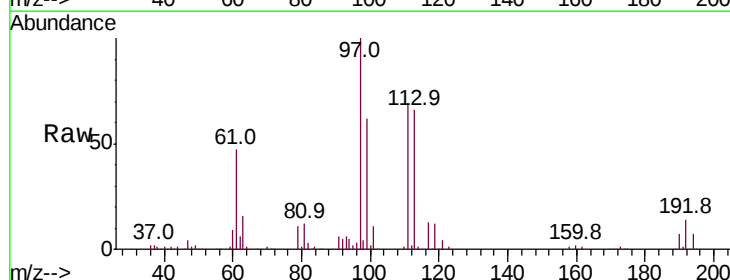
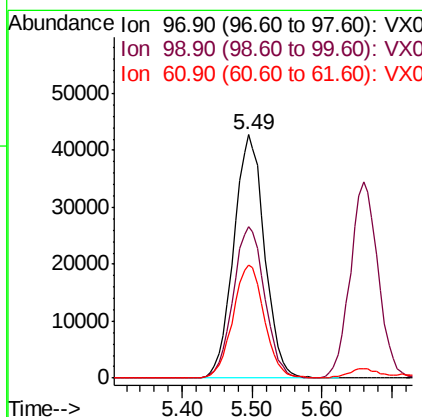
RT: 5.49 min Scan# 712

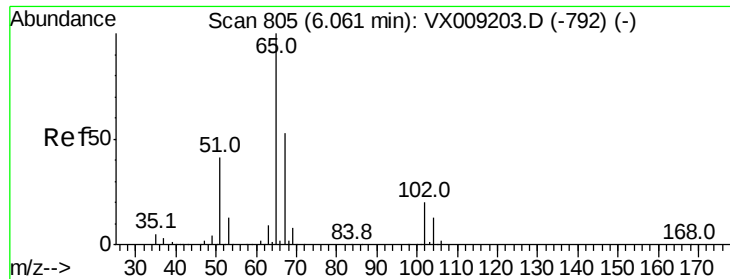
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	97	Resp:	130501
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.8	77.8
61	47.3	37.8	56.8





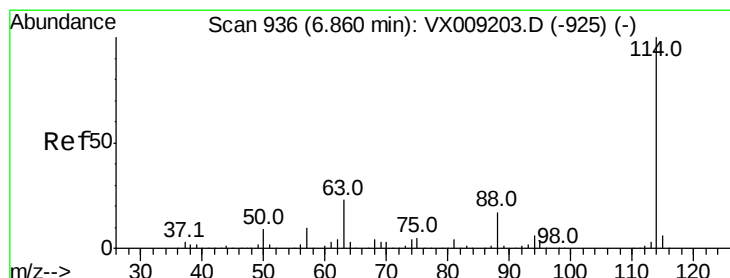
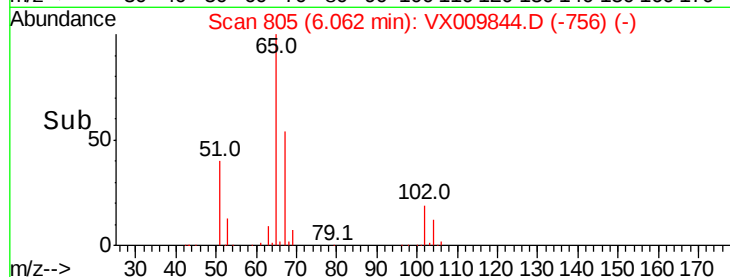
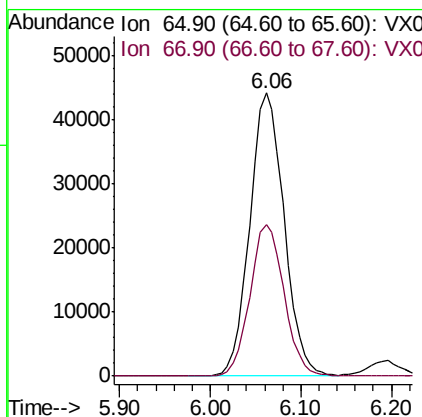
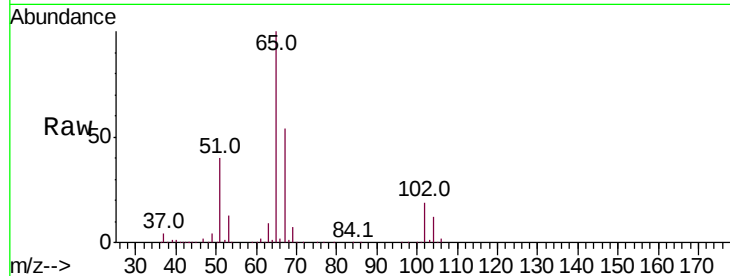
#33
 1,2-Dichloroethane-d4
 Concen: 49.854 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.6

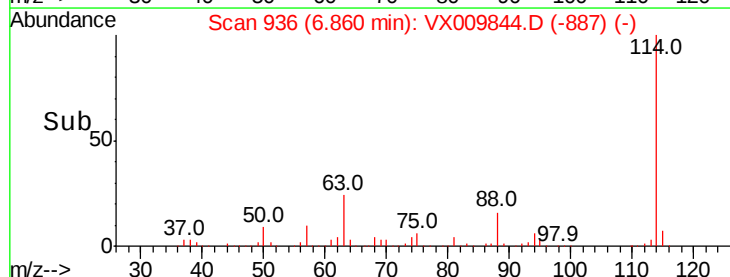
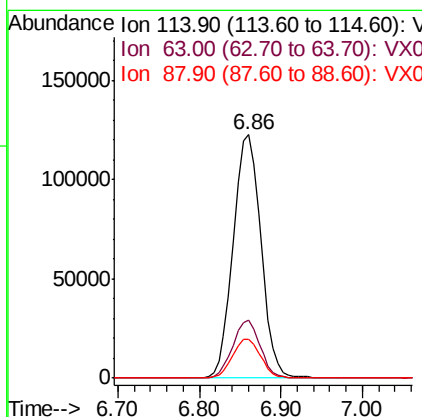
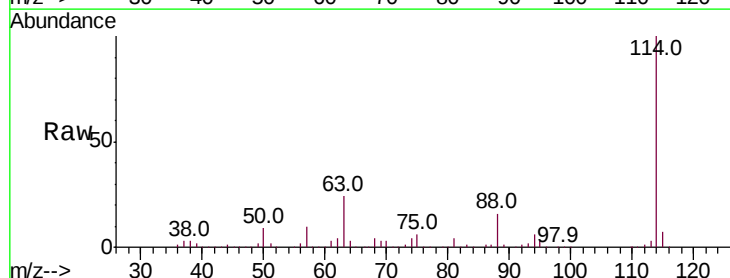
Manual Integrations
 APPROVED

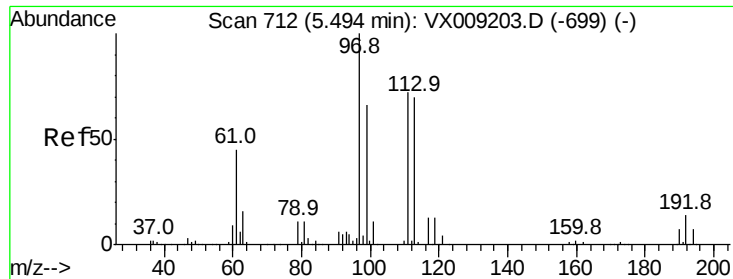
MMDadoda
 5/23/2019 10:39:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	45.6
88	16.2	0.0	33.2





#35

Dibromofluoromethane

Concen: 45.255 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

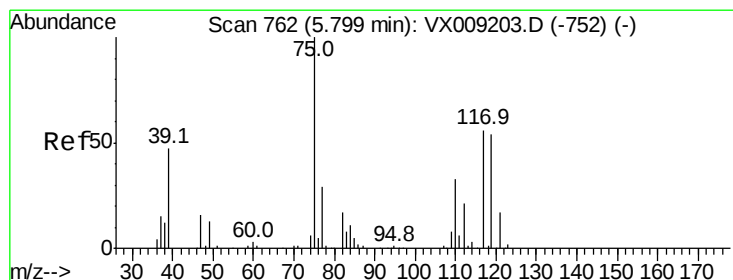
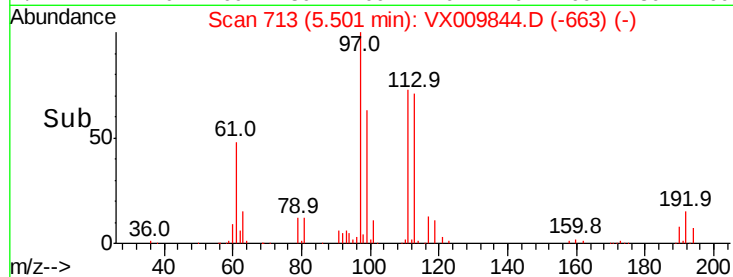
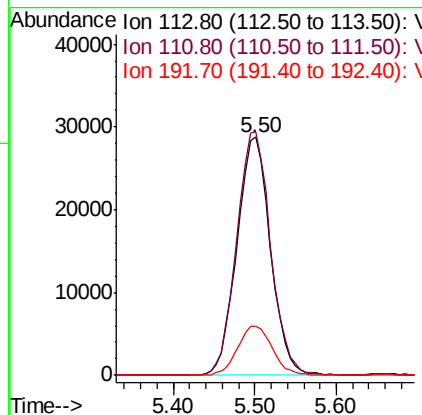
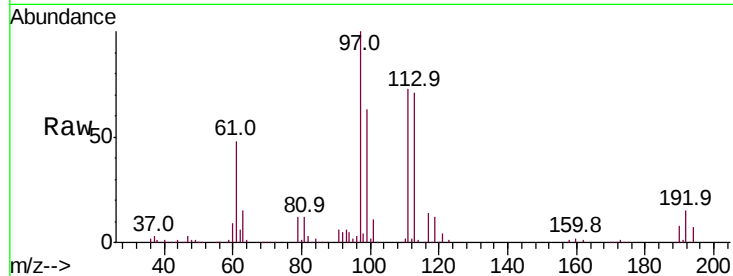
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	82169		
111	103.5	82.8	124.2	
192	21.4	17.0	25.6	

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#36

1,1-Dichloropropene

Concen: 45.624 ug/l

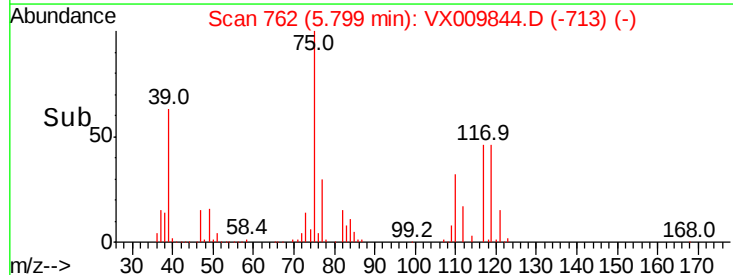
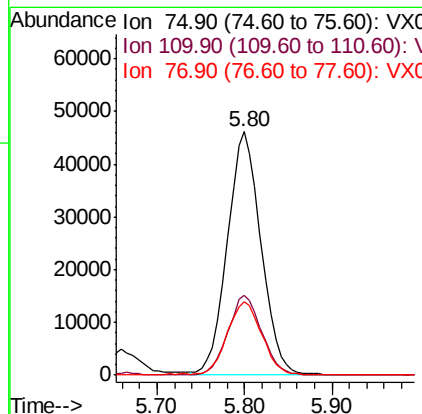
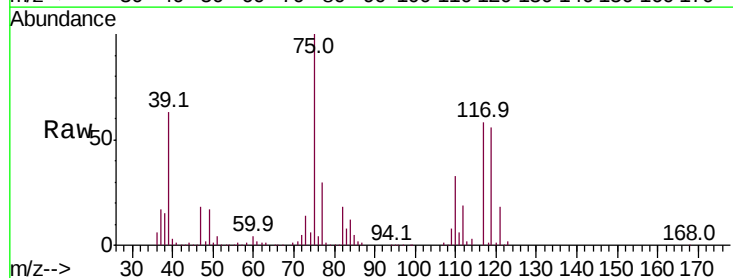
RT: 5.80 min Scan# 762

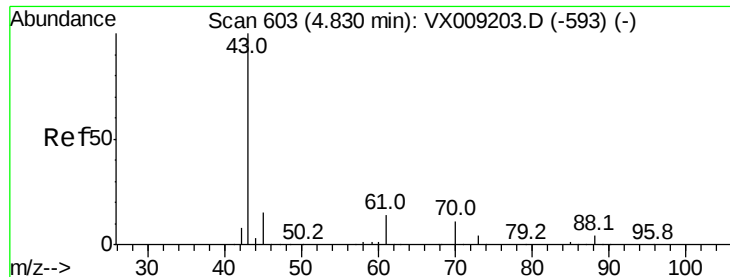
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122461		
110	33.2	16.9	50.6	
77	31.0	24.8	37.2	





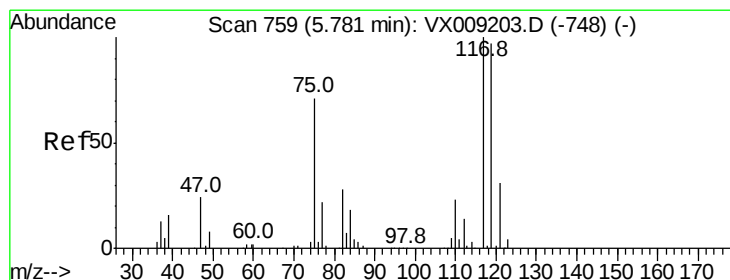
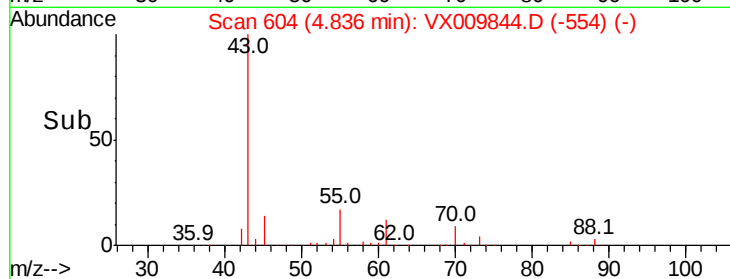
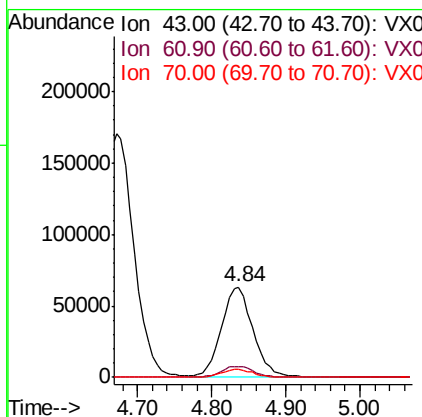
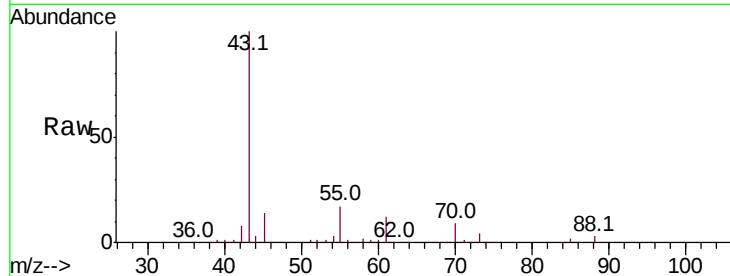
#37
Ethyl Acetate
Concen: 49.532 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion:	43	Resp:	185237
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.5	15.7
70	9.2	7.9	11.9

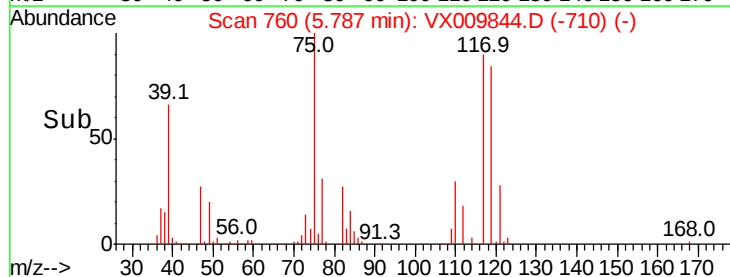
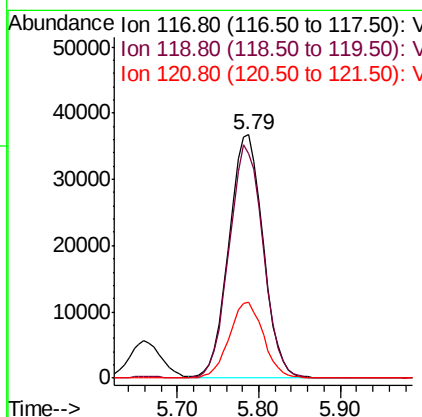
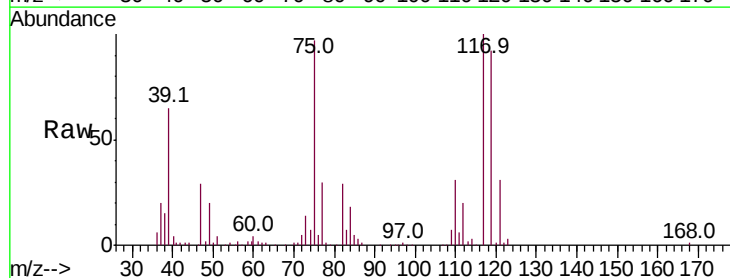
Manual Integrations
APPROVED

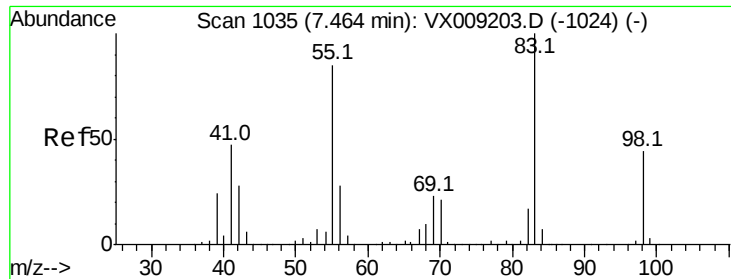
MMDadoda
5/23/2019 10:39:01 AM



#38
Carbon Tetrachloride
Concen: 43.886 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion:	117	Resp:	107025
Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.5	116.3
121	30.9	24.7	37.1





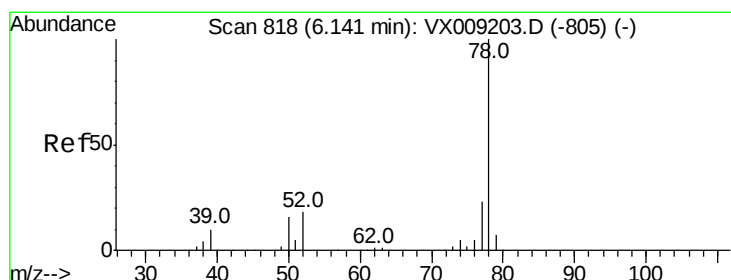
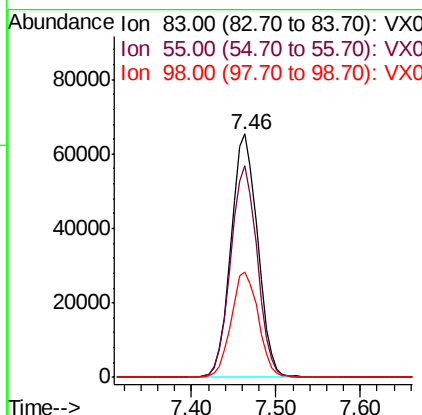
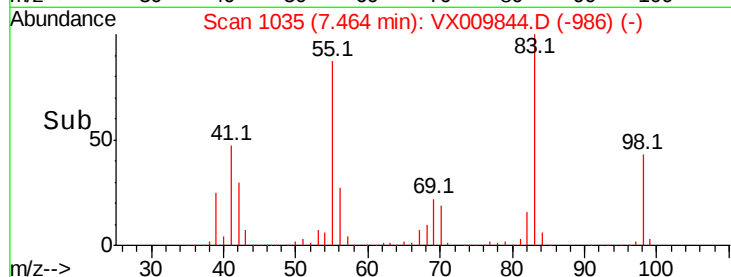
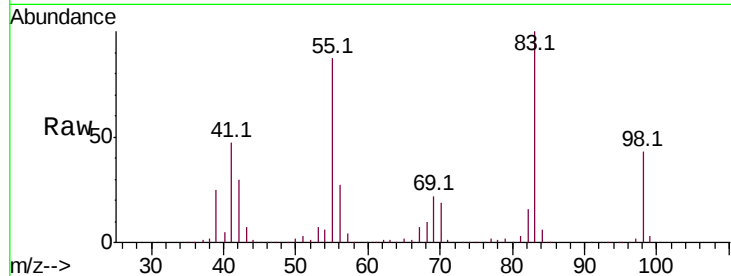
#39
Methvlcvclohexane
Concen: 42.518 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	83	Resp	140153
Ion Ratio	100	Lower	Upper
83	100		
55	86.8	67.7	101.5
98	43.3	35.5	53.3

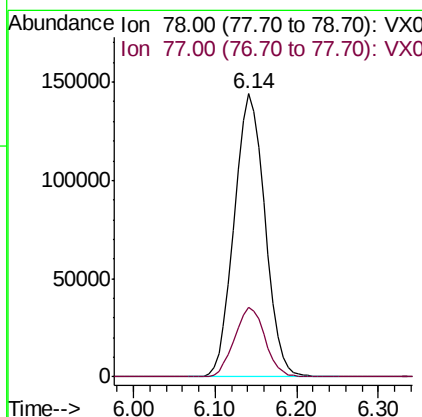
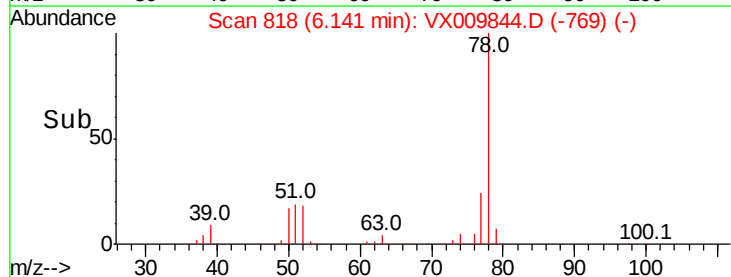
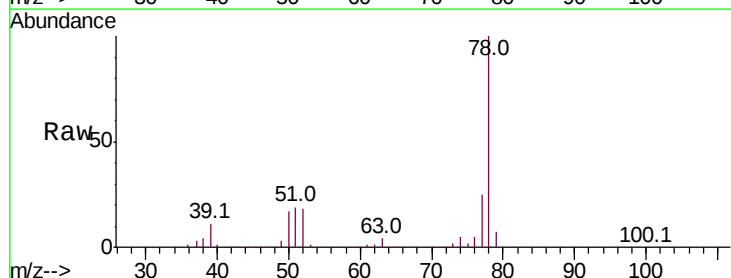
Manual Integrations
APPROVED

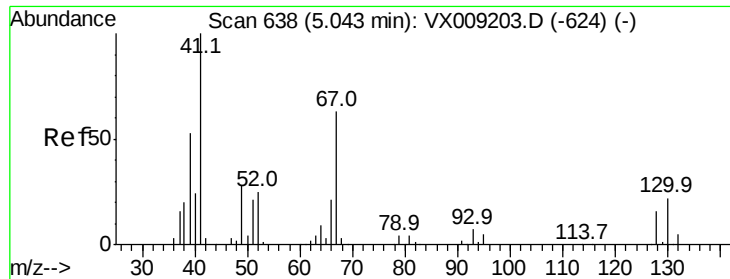
MMDadoda
5/23/2019 10:39:01 AM



#40
Benzene
Concen: 45.295 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	78	Resp	376258
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	18.8	28.2





#41

Methacrylonitrile

Concen: 47.505 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

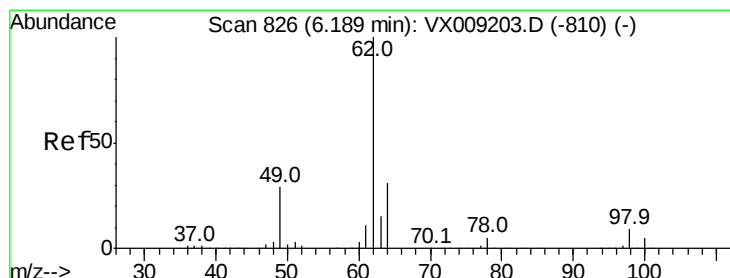
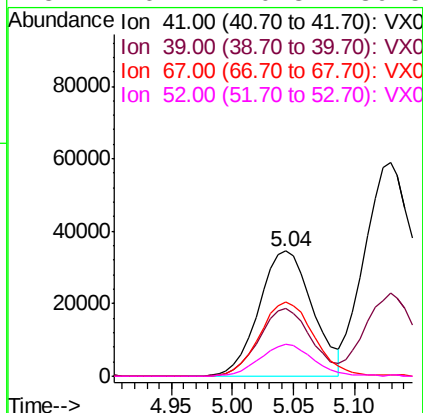
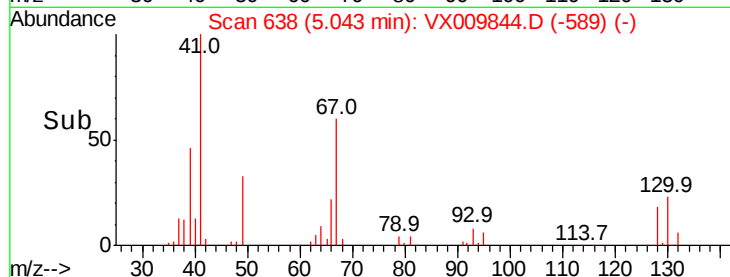
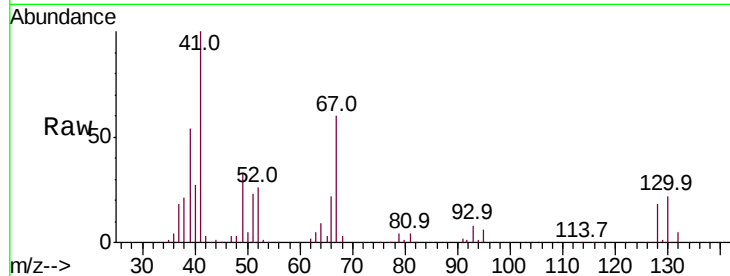
EP1-SB-MW-ER(14-17)MSD

Tot Ion: 41 Resp: 105755

Ion	Ratio	Lower	Upper
41	100		
39	53.3	42.0	63.0
67	60.2	49.8	74.8
52	26.4	20.3	30.5

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#42

1,2-Dichloroethane

Concen: 46.786 ug/l

RT: 6.20 min Scan# 827

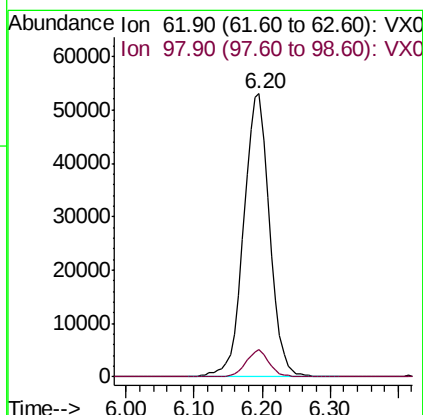
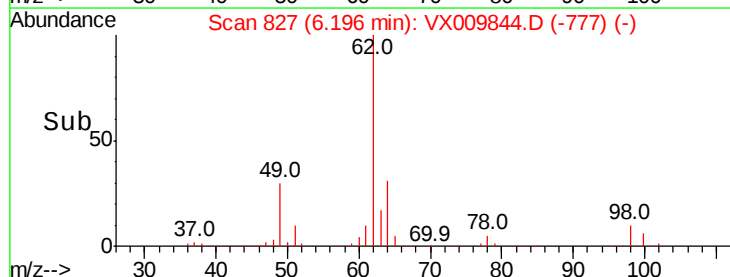
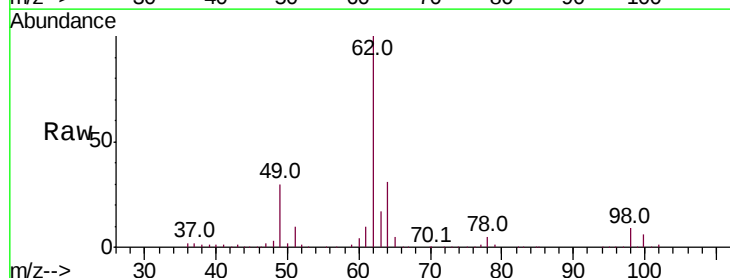
Delta R.T. 0.01 min

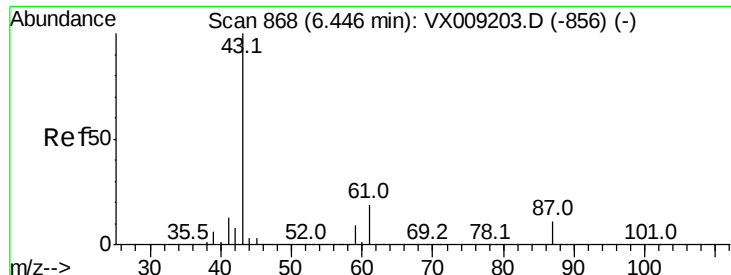
Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion: 62 Resp: 139412

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2





#43

Isopropyl Acetate

Concen: 49.192 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

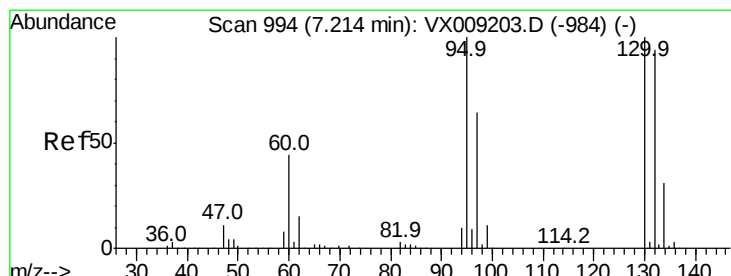
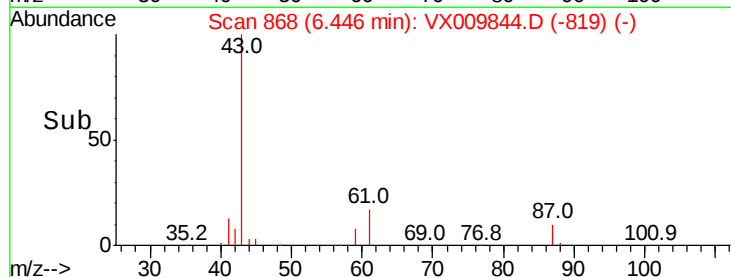
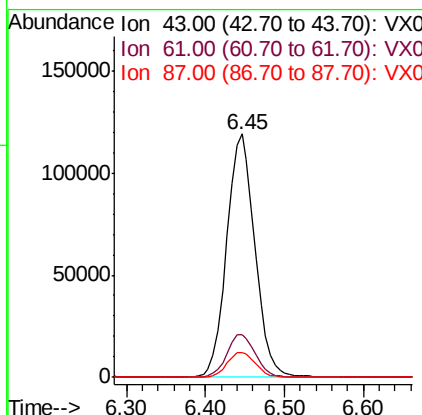
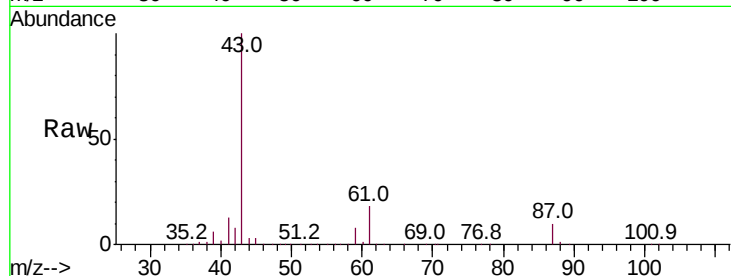
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	43	Resp:	294263
Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.1	22.7
87	10.6	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#44

Trichloroethene

Concen: 44.773 ug/l

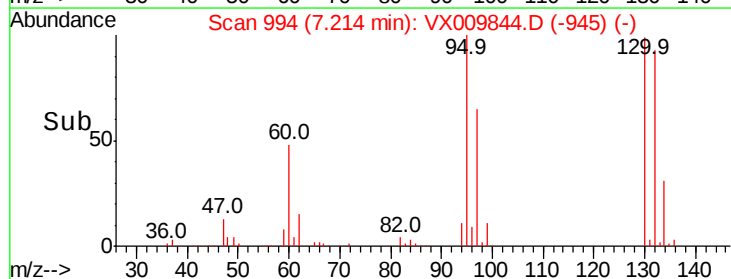
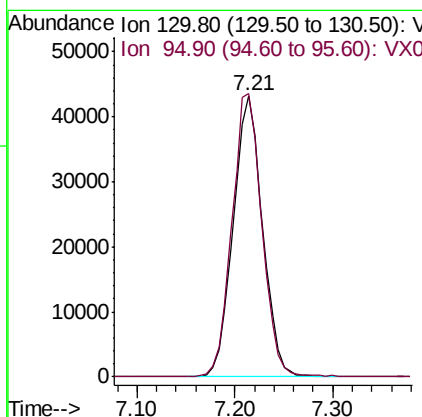
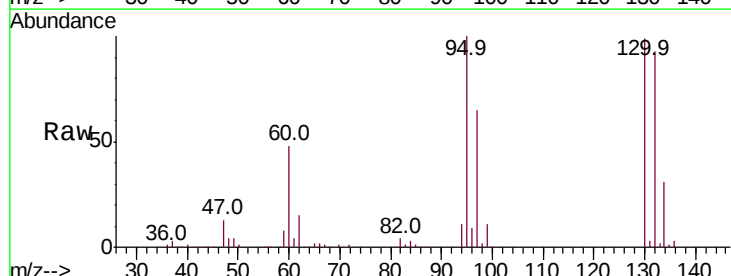
RT: 7.21 min Scan# 994

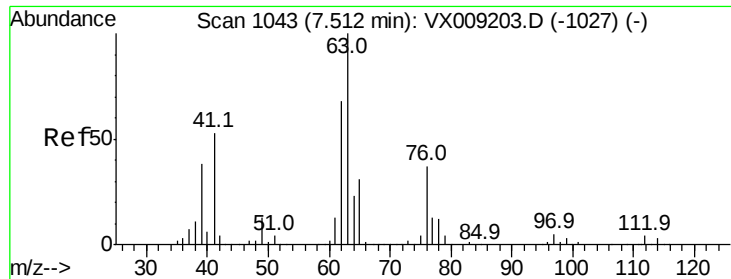
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	130	Resp:	89913
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	199.2





#45

1,2-Dichloropropane

Concen: 45.954 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 63 Resp: 108091

Ion Ratio Lower Upper

63 100

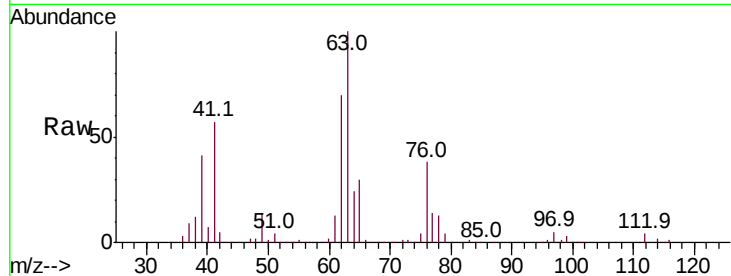
65 30.4 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

60000

50000

40000

30000

20000

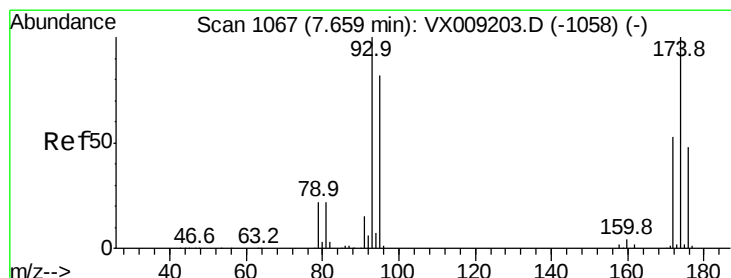
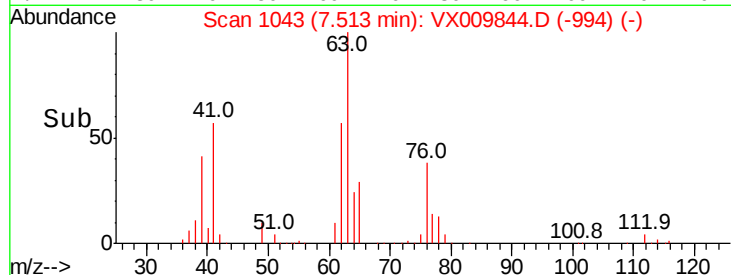
10000

0

7.51

7.30 7.40 7.50 7.60 7.70

Time-->



#46

Dibromomethane

Concen: 45.588 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

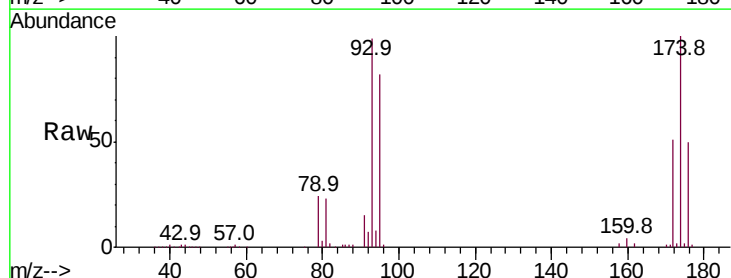
Tgt Ion: 93 Resp: 62270

Ion Ratio Lower Upper

93 100

95 83.7 66.5 99.7

174 103.2 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

40000

30000

20000

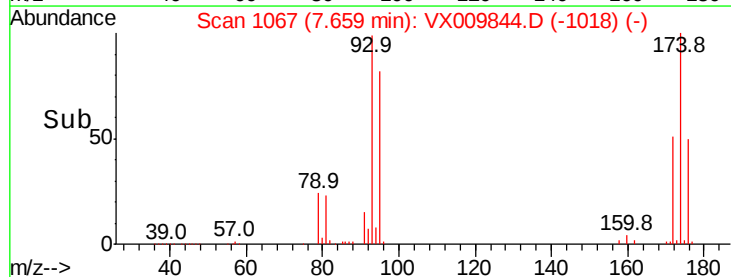
10000

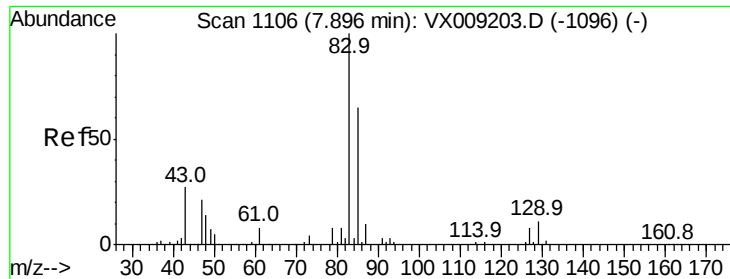
0

7.66

7.60 7.70 7.80

Time-->





#47

Bromodichloromethane

Concen: 46.257 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

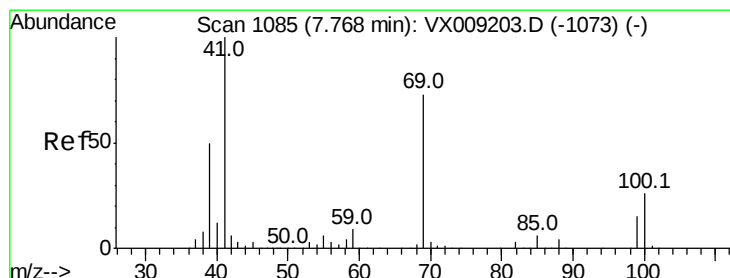
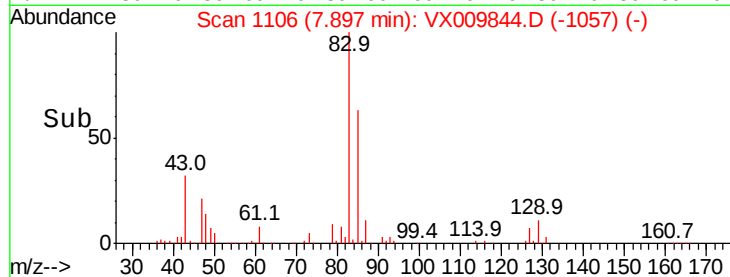
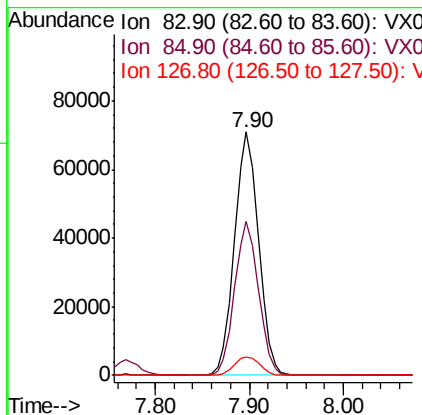
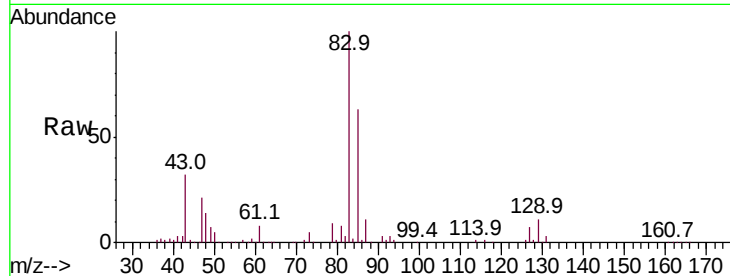
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	83	Resp:	126034
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6
127	7.3	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#48

Methyl methacrylate

Concen: 49.927 ug/l

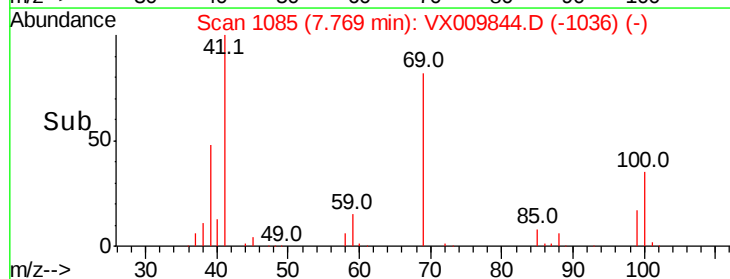
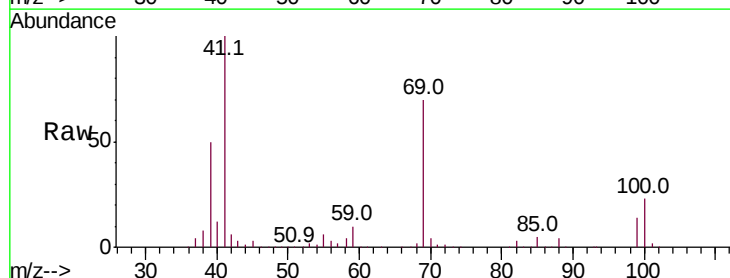
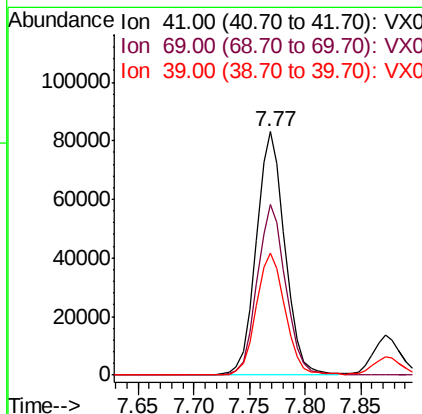
RT: 7.77 min Scan# 1085

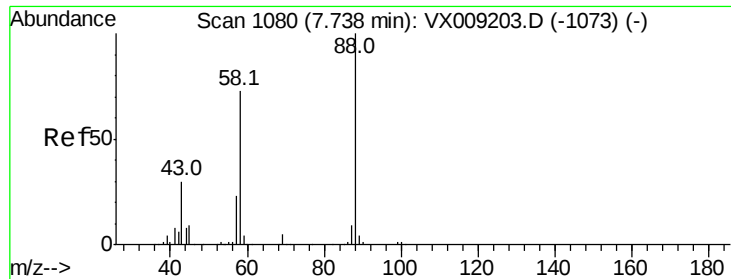
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	41	Resp:	148173
Ion	Ratio	Lower	Upper
41	100		
69	70.7	59.1	88.7
39	50.7	40.4	60.6





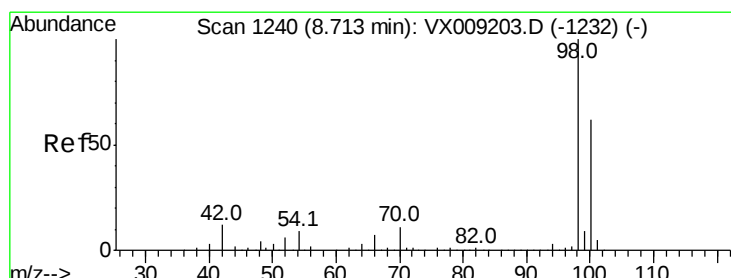
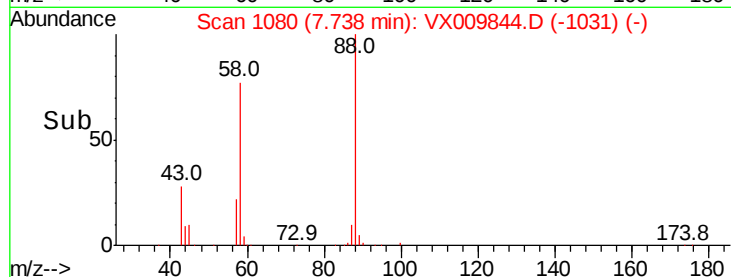
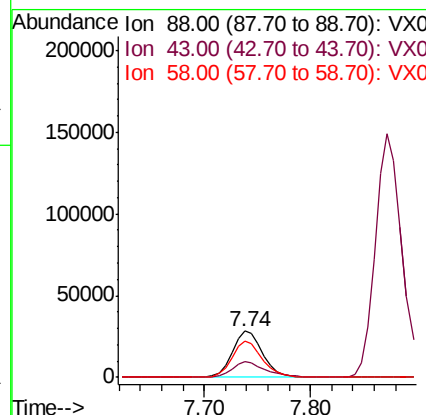
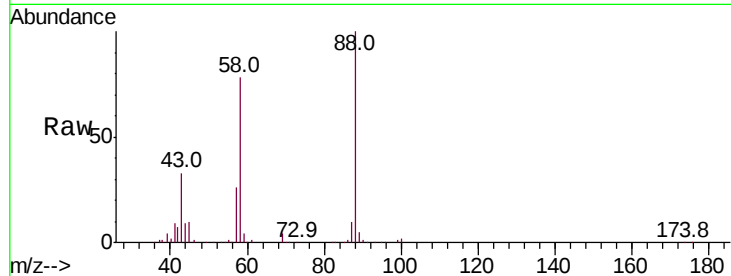
#49
1,4-Dioxane
Concen: 923.795 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	28.6	42.8
58	80.2	61.7	92.5

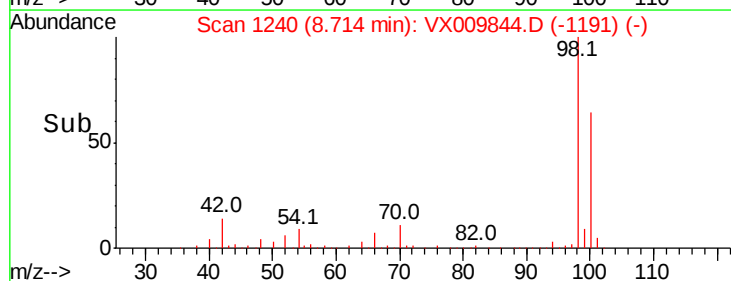
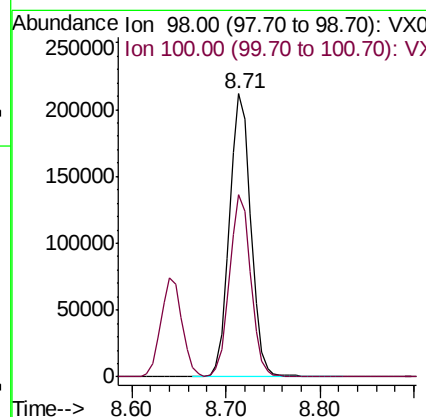
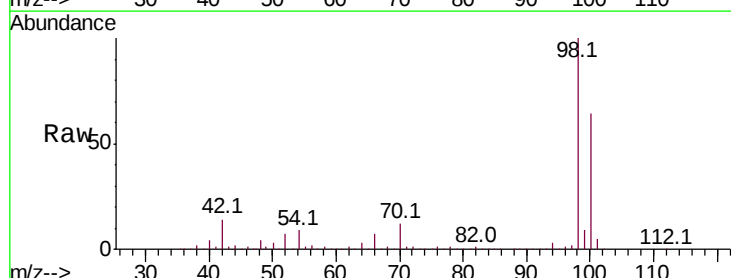
Manual Integrations
APPROVED

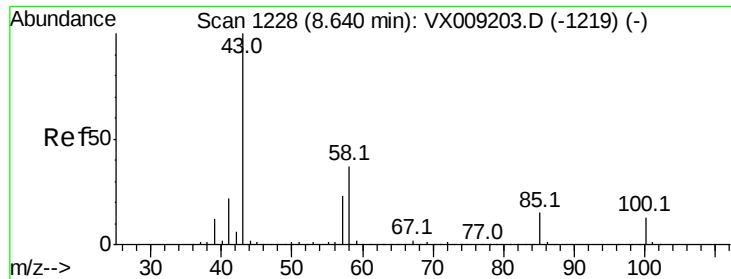
MMDadoda
5/23/2019 10:39:01 AM



#50
Toluene-d8
Concen: 45.525 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 250.485 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 43 Resp: 979379

Ion Ratio Lower Upper

43 100

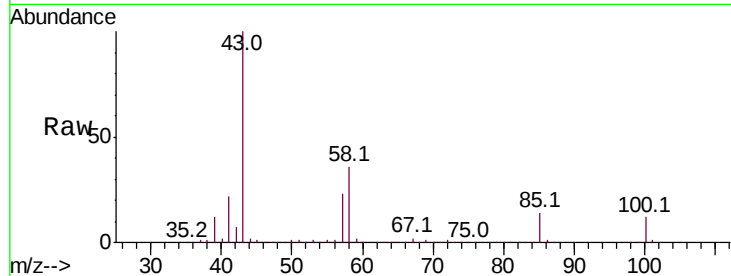
58 35.8 29.5 44.3

Manual Integrations

APPROVED

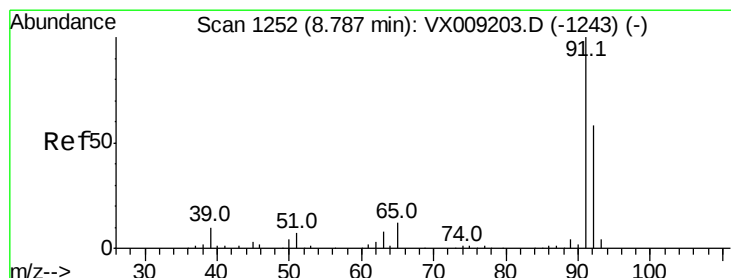
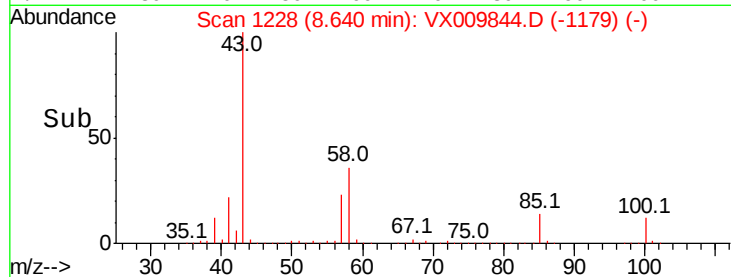
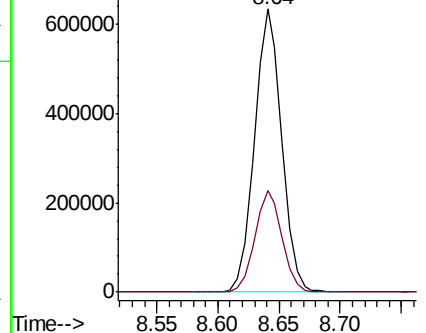
MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 45.433 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009844.D

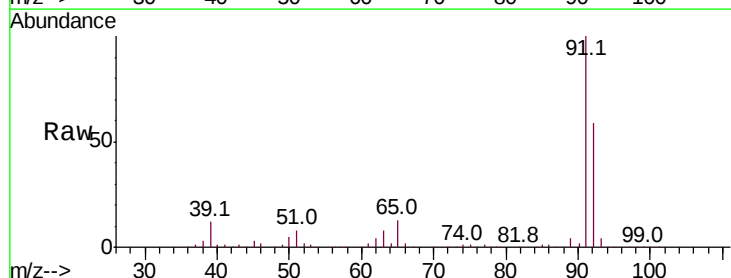
Acq: 23 May 2019 07:54

Tgt Ion: 92 Resp: 229415

Ion Ratio Lower Upper

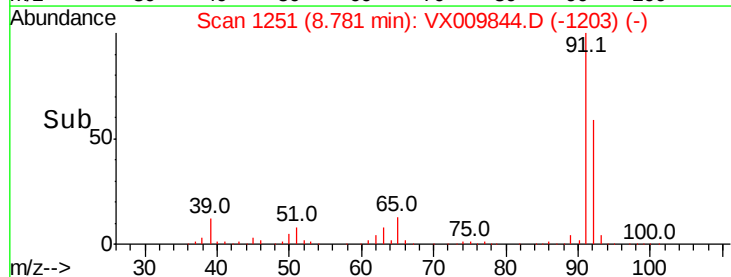
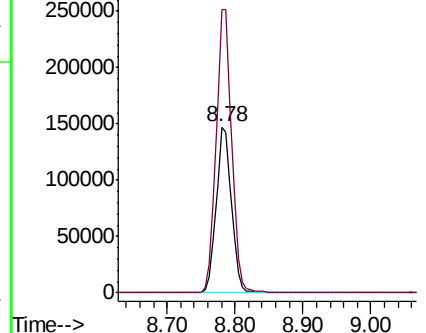
92 100

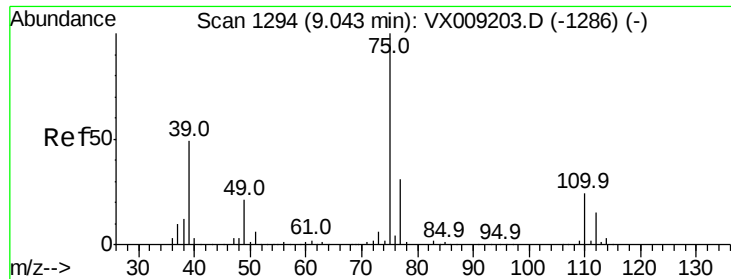
91 174.5 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





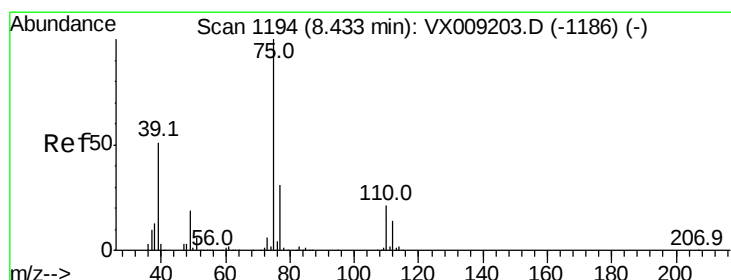
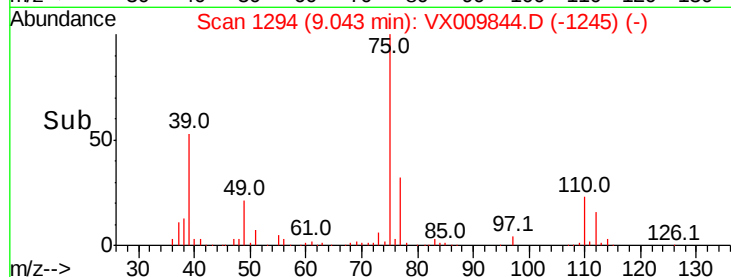
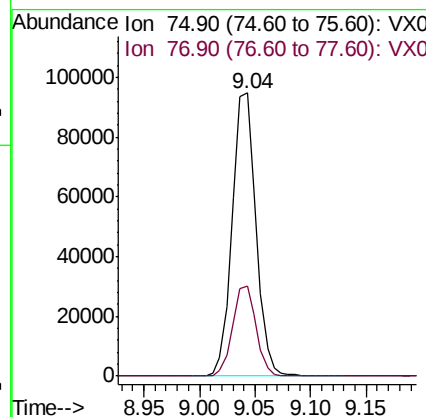
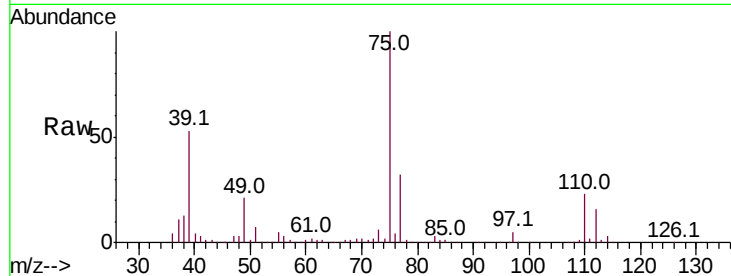
#53
t-1,3-Dichloropropene
Concen: 45.629 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion: 75 Resp: 140364
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.6

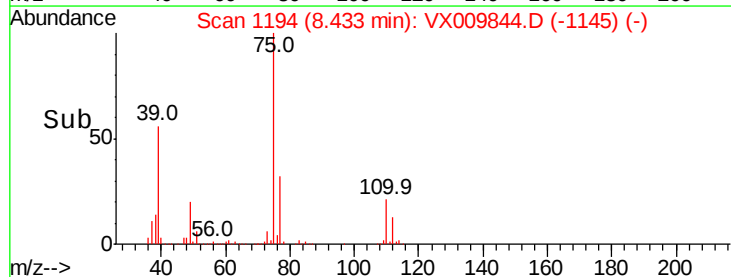
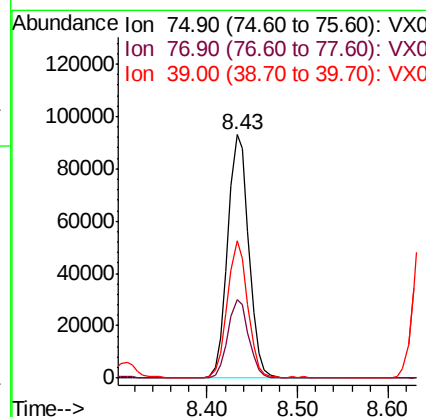
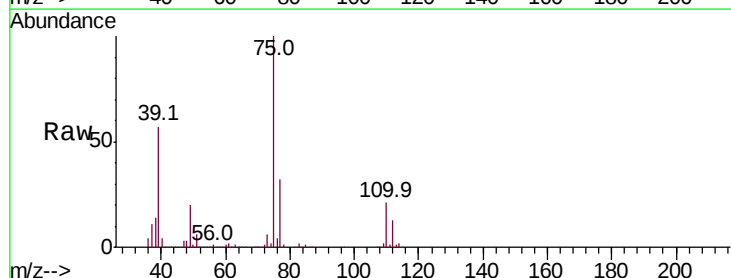
Manual Integrations
APPROVED

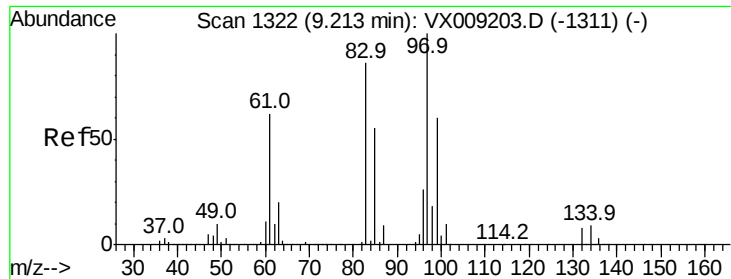
MMDadoda
5/23/2019 10:39:01 AM



#54
cis-1,3-Dichloropropene
Concen: 44.312 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion: 75 Resp: 150875
Ion Ratio Lower Upper
75 100
77 32.3 24.6 36.8
39 56.4 40.6 60.8





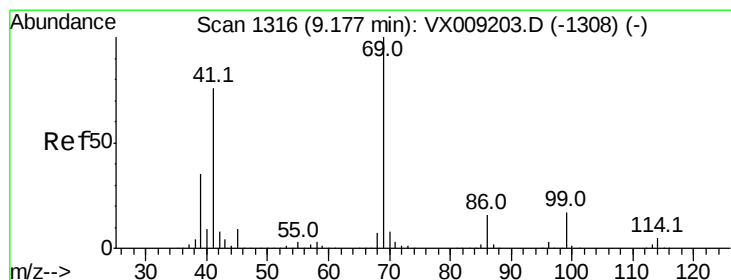
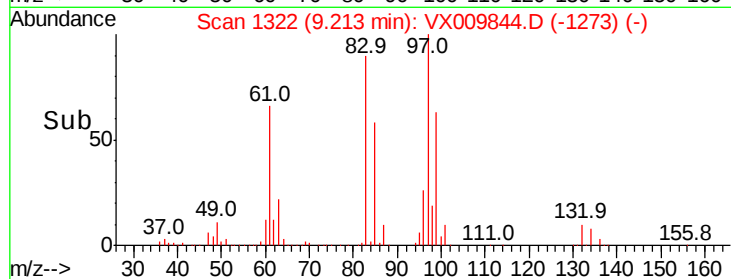
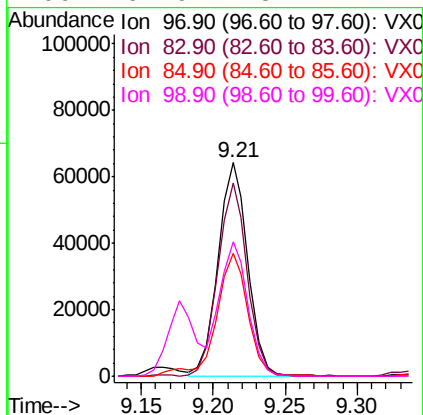
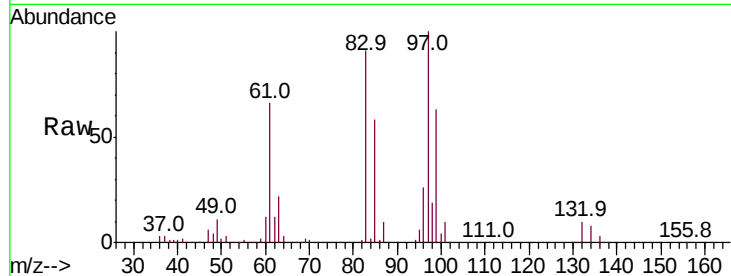
#55
 1,1,2-Trichloroethane
 Concen: 45.020 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Tot Ion:	97	Resp:	92744
Ion	Ratio	Lower	Upper
97	100		
83	90.5	68.9	103.3
85	57.4	43.8	65.6
99	62.9	48.2	72.2

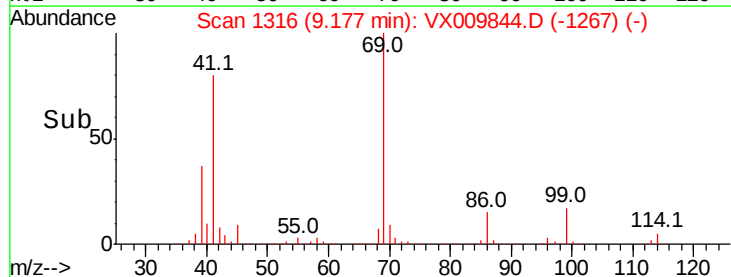
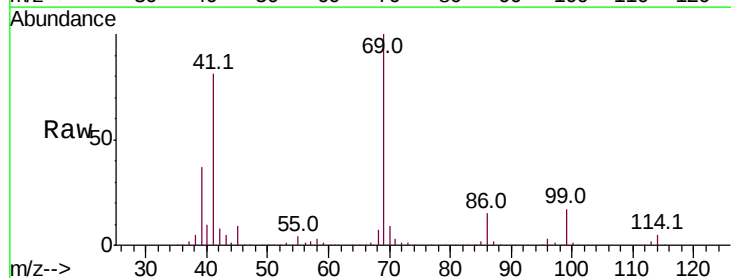
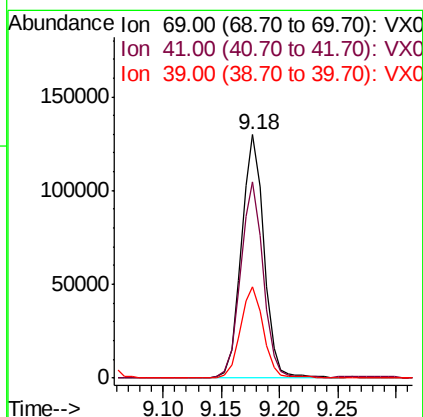
Manual Integrations
 APPROVED

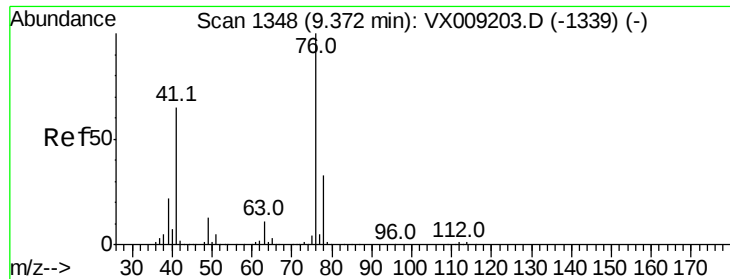
MMDadoda
 5/23/2019 10:39:01 AM



#56
 Ethyl methacrylate
 Concen: 47.935 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Tgt Ion:	69	Resp:	176274
Ion	Ratio	Lower	Upper
69	100		
41	80.6	60.6	90.8
39	37.5	28.2	42.4





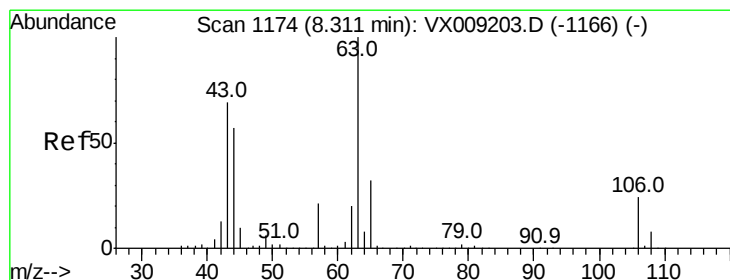
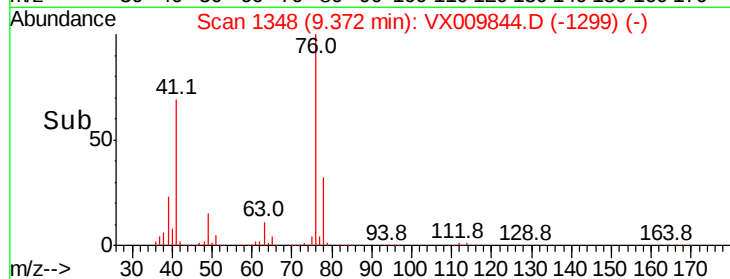
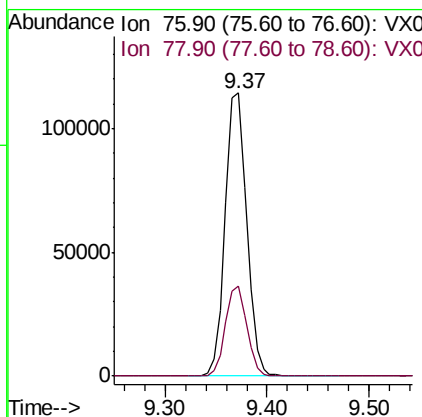
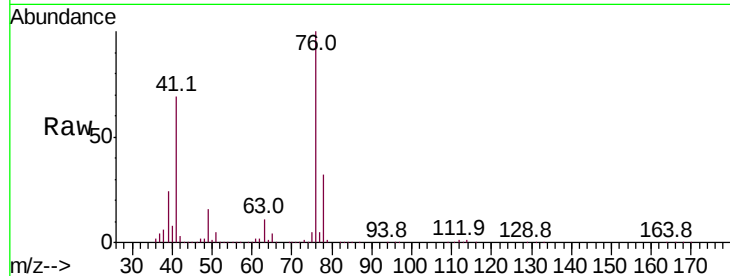
#57
 1,3-Dichloropropane
 Concen: 46.357 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

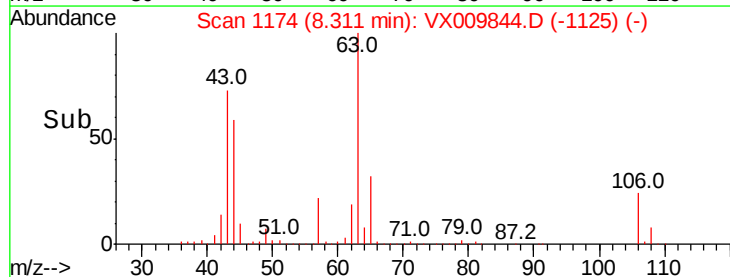
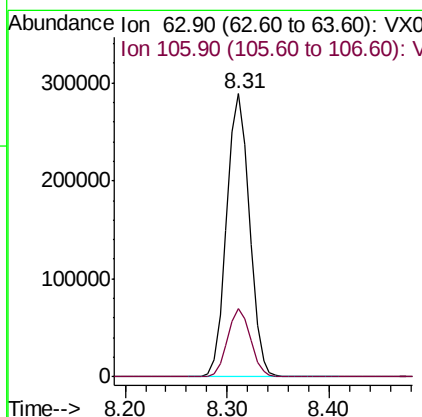
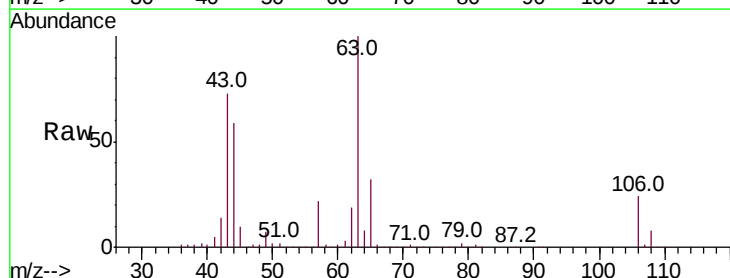
Manual Integrations
 APPROVED

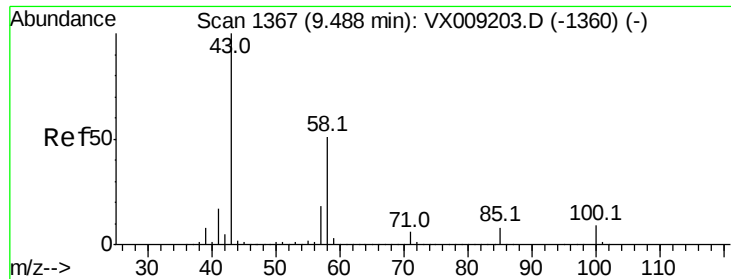
MMDadoda
 5/23/2019 10:39:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.450 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.0	19.7	29.5





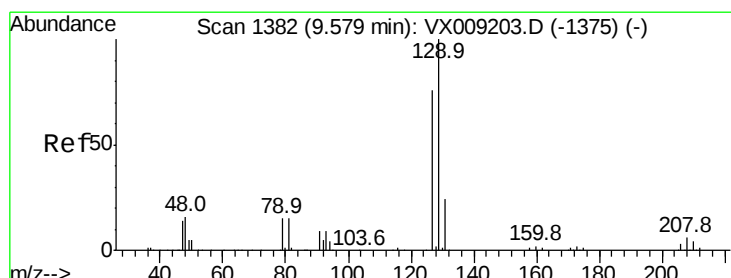
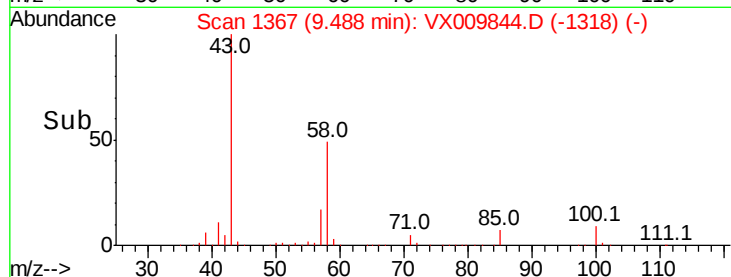
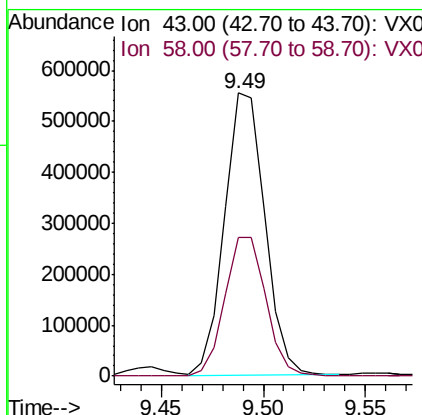
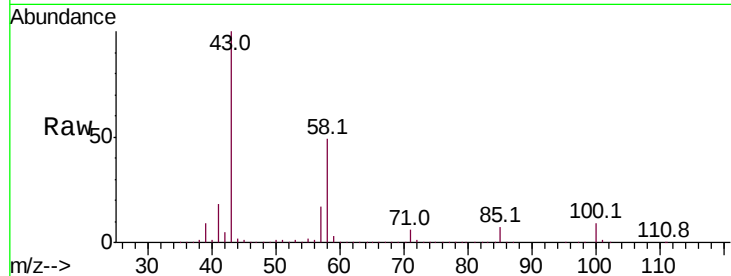
#59
2-Hexanone
Concen: 245.703 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion: 43 Resp: 754508
Ion Ratio Lower Upper
43 100
58 50.9 25.9 77.7

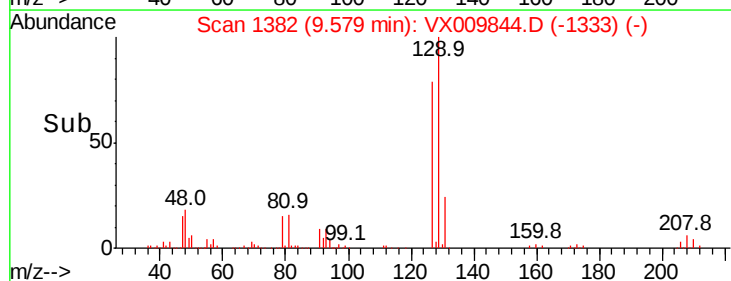
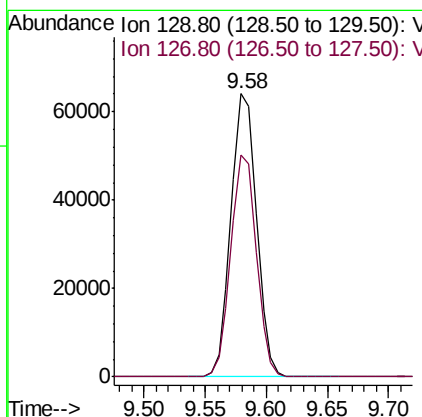
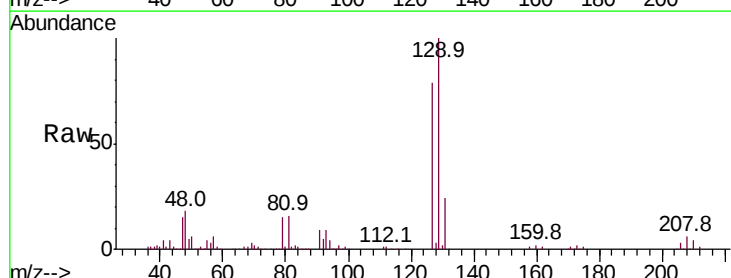
Manual Integrations
APPROVED

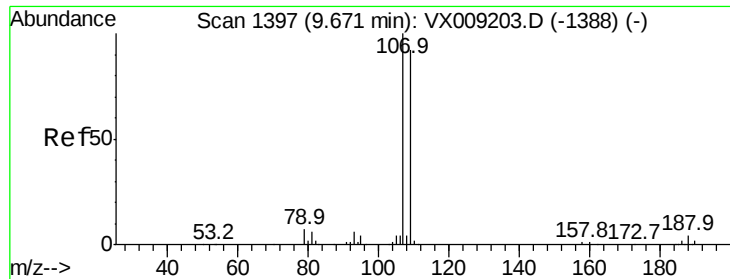
MMDadoda
5/23/2019 10:39:01 AM



#60
Dibromochloromethane
Concen: 46.158 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion: 129 Resp: 92872
Ion Ratio Lower Upper
129 100
127 78.4 38.4 115.1





#61

1,2-Dibromoethane

Concen: 46.941 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:107 Resp: 97613

Ion Ratio Lower Upper

107 100

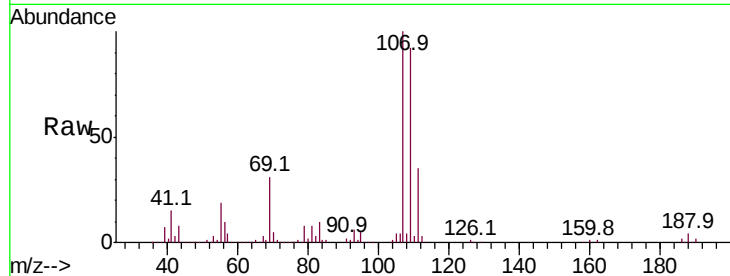
109 93.6 75.2 112.8

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

80000

60000

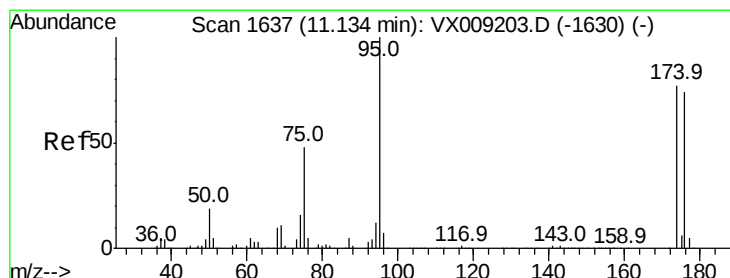
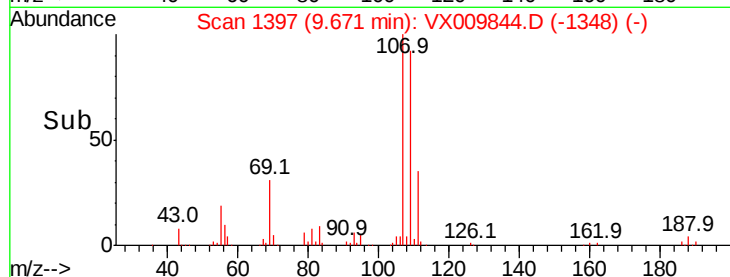
40000

20000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 49.579 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

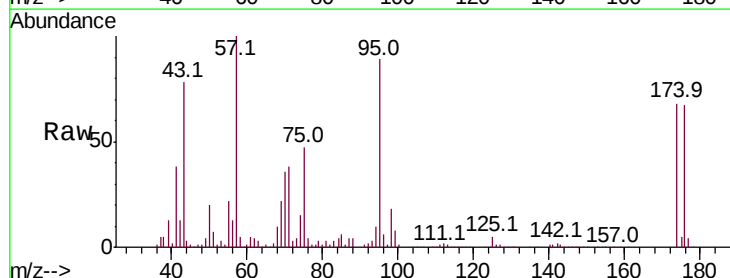
Tgt Ion: 95 Resp: 132058

Ion Ratio Lower Upper

95 100

174 79.2 0.0 161.6

176 77.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

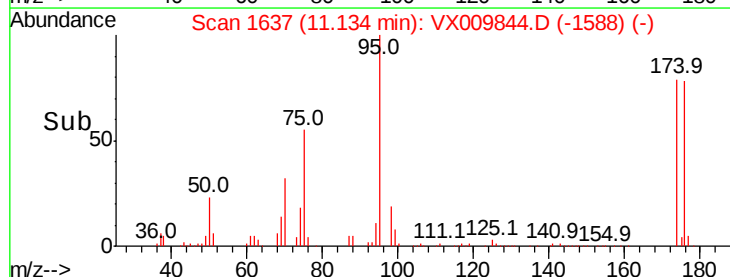
100000

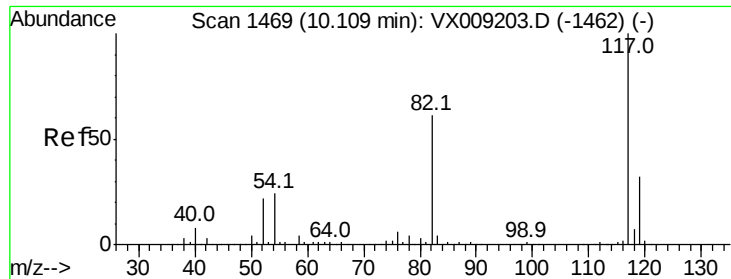
50000

0

11.05 11.10 11.15

Time-->





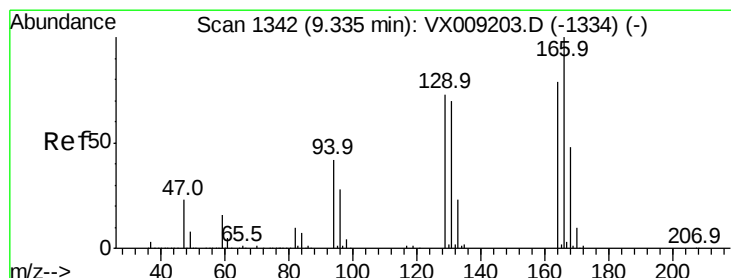
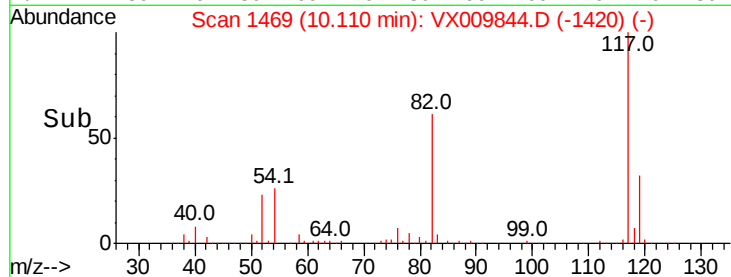
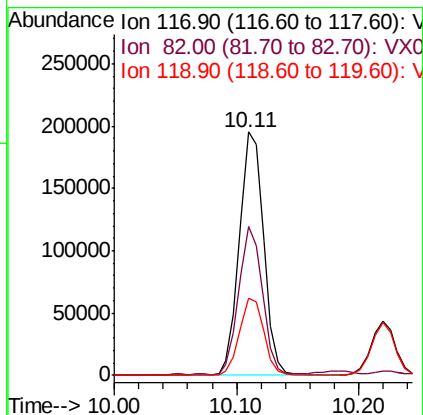
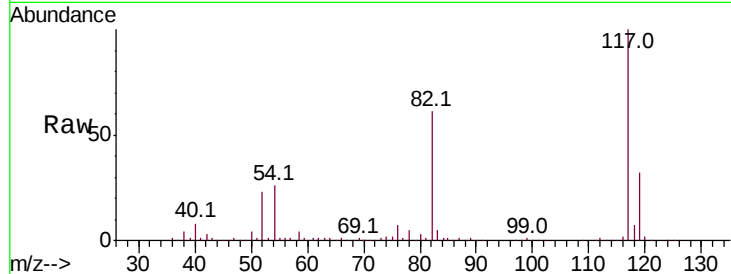
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	48.8	73.2
119	31.7	25.8	38.6

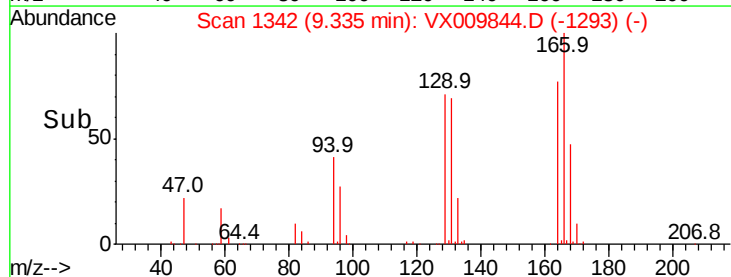
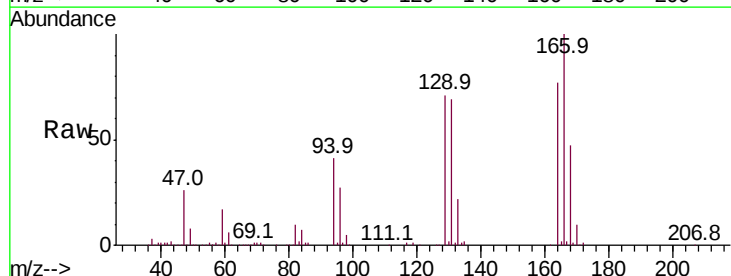
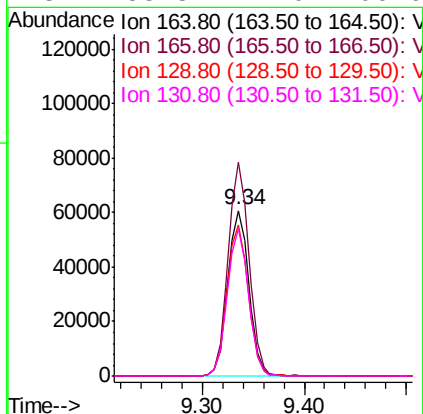
Manual Integrations
APPROVED

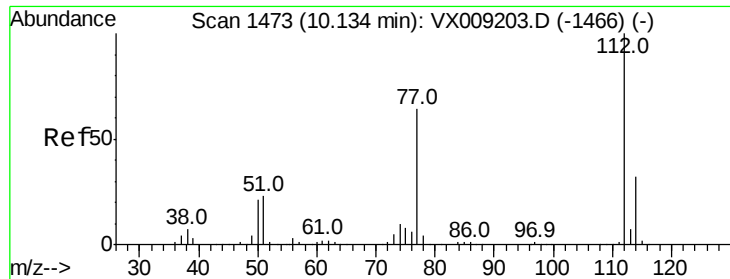
MMDadoda
5/23/2019 10:39:01 AM



#64
Tetrachloroethene
Concen: 47.168 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.2	151.8
129	91.1	74.3	111.5
131	88.8	71.0	106.6





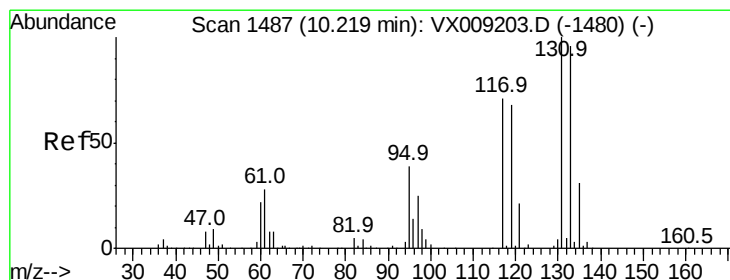
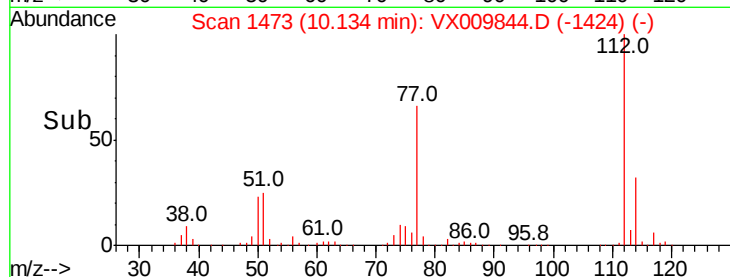
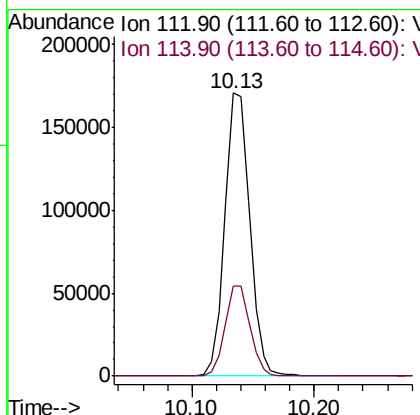
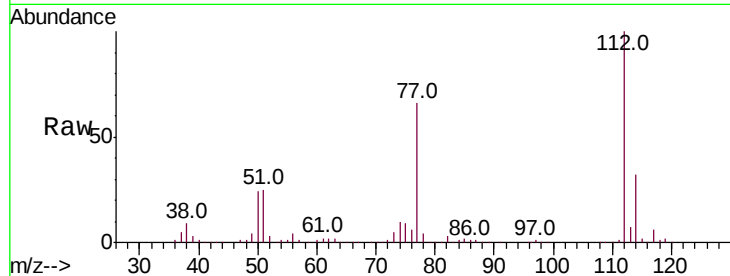
#65
Chlorobenzene
Concen: 44.918 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion:112 Resp: 241245
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

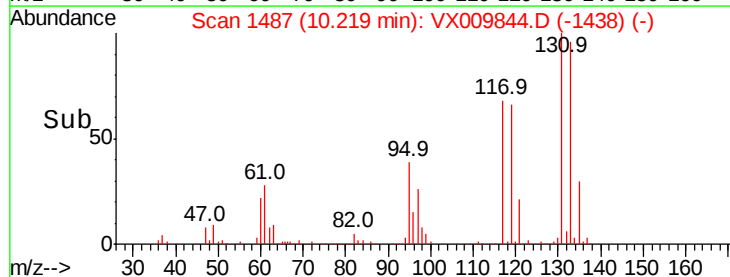
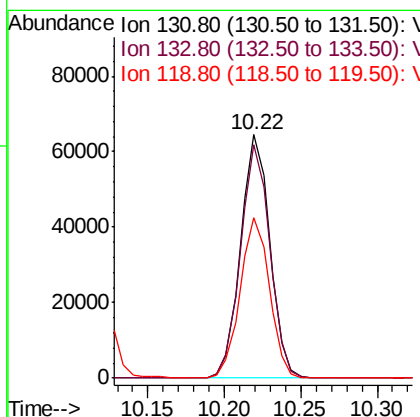
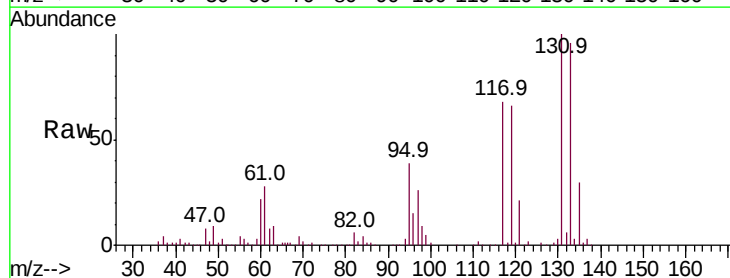
Manual Integrations
APPROVED

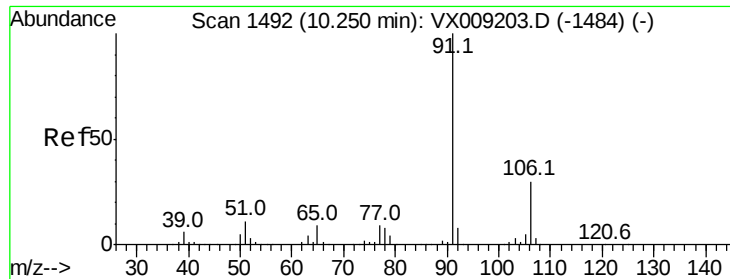
MMDadoda
5/23/2019 10:39:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 43.946 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion:131 Resp: 85568
Ion Ratio Lower Upper
131 100
133 96.3 47.7 143.1
119 66.3 33.5 100.4





#67

Ethyl Benzene

Concen: 45.092 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 91 Resp: 445702

Ion Ratio Lower Upper

91 100

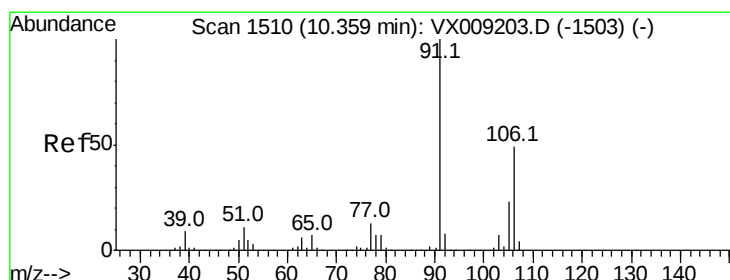
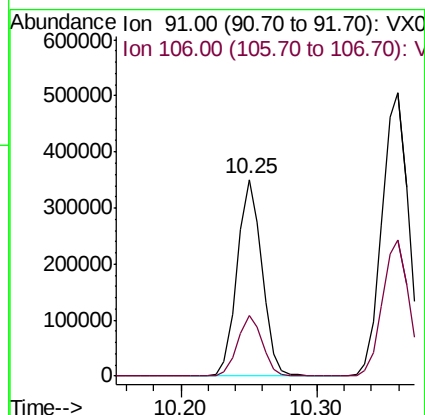
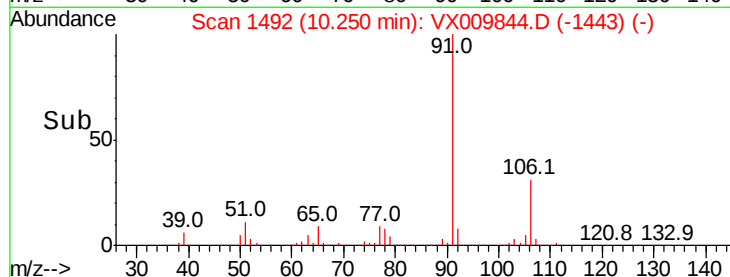
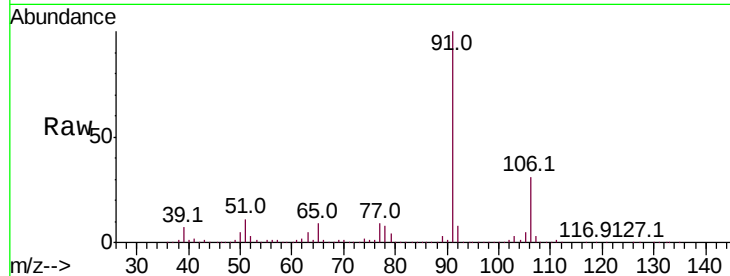
106 30.6 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#68

m/p-Xylenes

Concen: 90.764 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009844.D

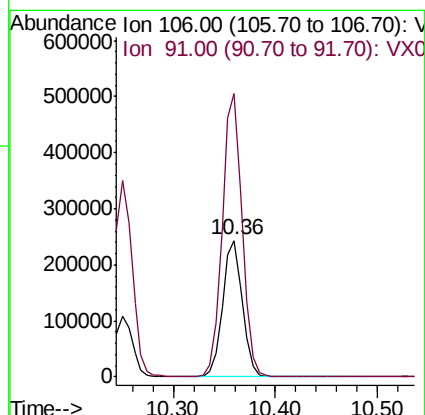
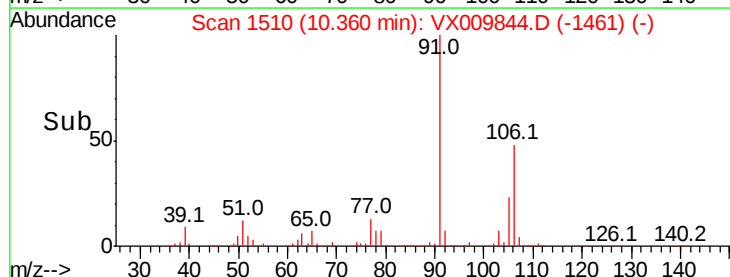
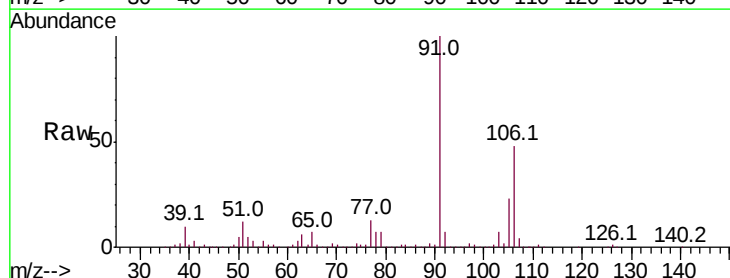
Acq: 23 May 2019 07:54

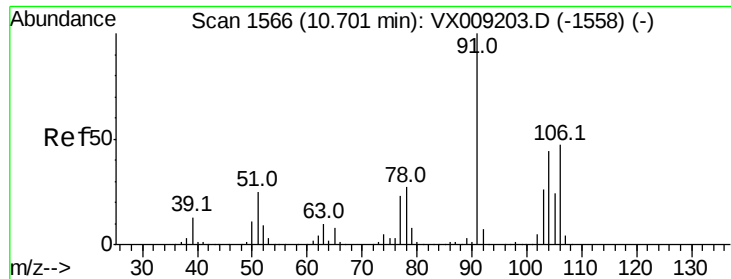
Tgt Ion: 106 Resp: 327844

Ion Ratio Lower Upper

106 100

91 209.3 164.0 246.0





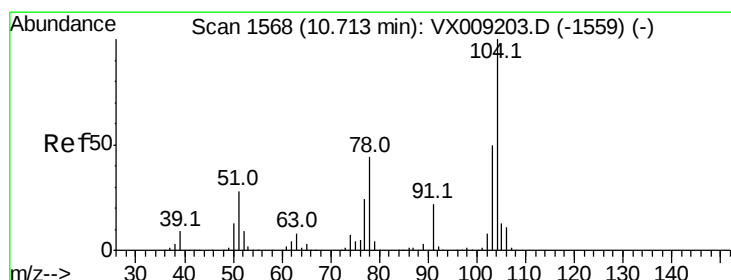
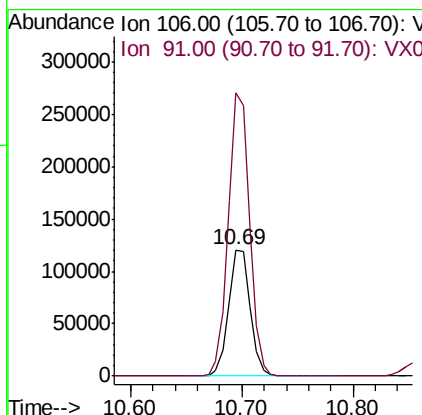
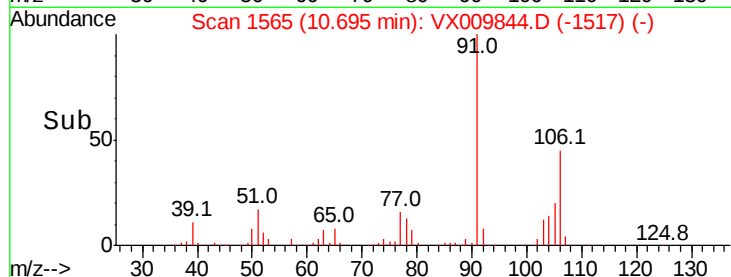
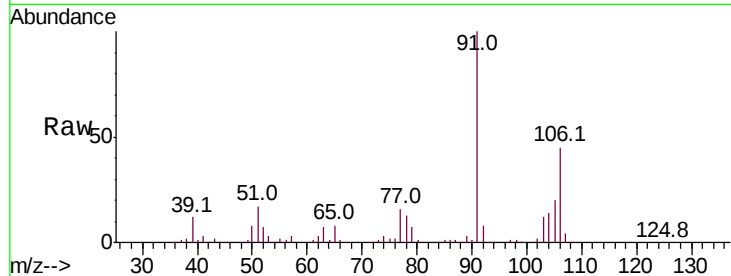
#69
o-Xylene
Concen: 45.251 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion:106 Resp: 161267
Ion Ratio Lower Upper
106 100
91 221.6 109.5 328.4

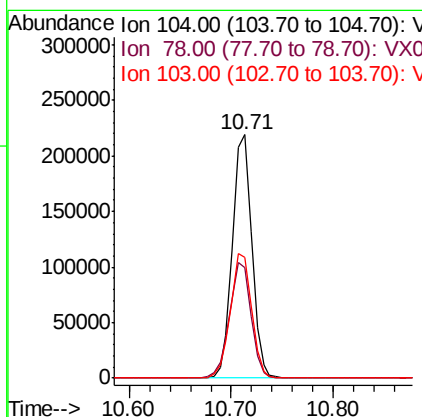
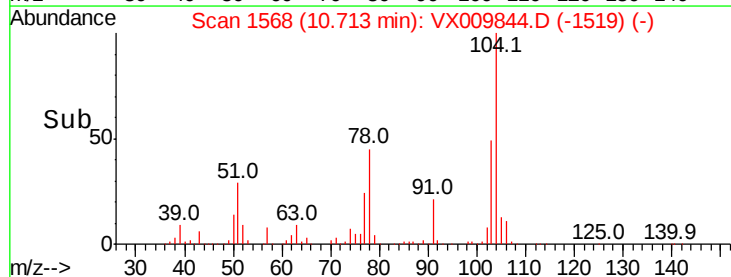
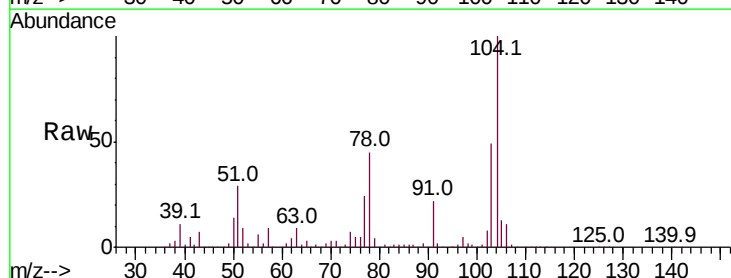
Manual Integrations
APPROVED

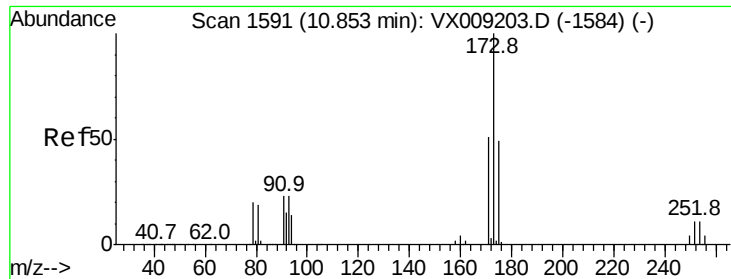
MMDadoda
5/23/2019 10:39:01 AM



#70
Styrene
Concen: 46.491 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion:104 Resp: 287972
Ion Ratio Lower Upper
104 100
78 52.6 41.0 61.4
103 55.7 43.8 65.6





#71

Bromoform

Concen: 45.557 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:173 Resp: 72087

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

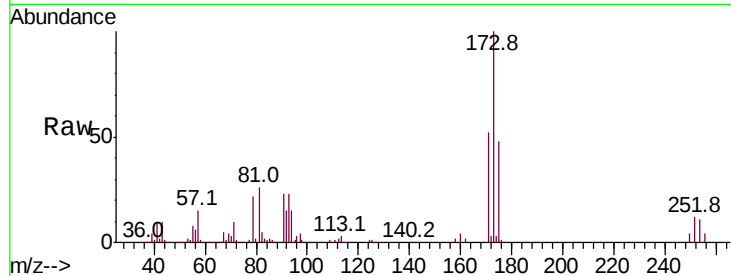
254 0.3 0.1 0.1#

Manual Integrations

APPROVED

MMDadoda

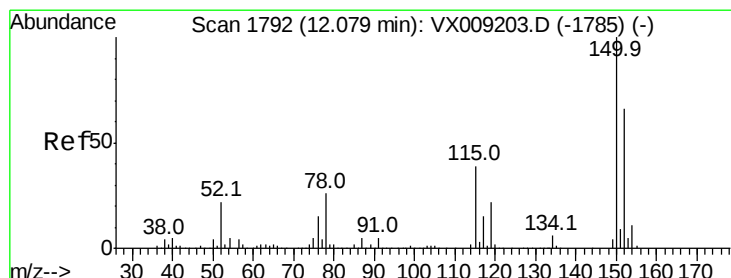
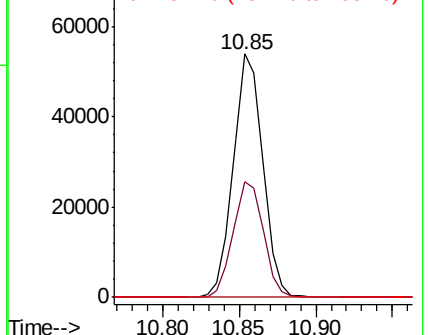
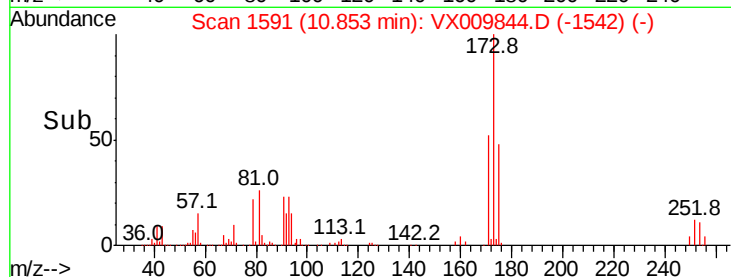
5/23/2019 10:39:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

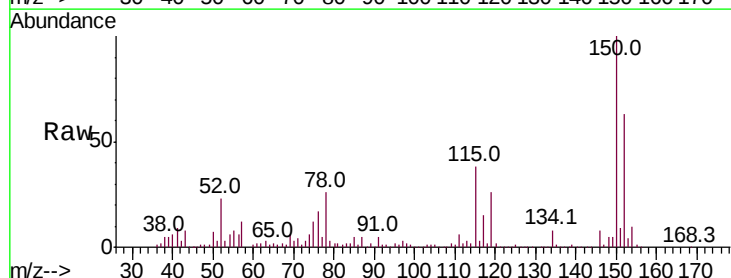
Tgt Ion:152 Resp: 141454

Ion Ratio Lower Upper

152 100

115 84.1 41.2 123.6

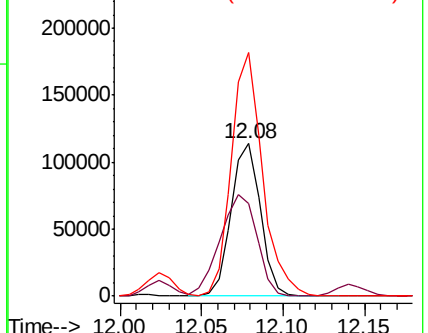
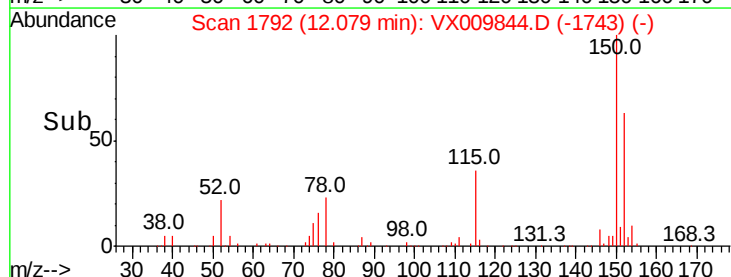
150 170.6 0.0 346.4

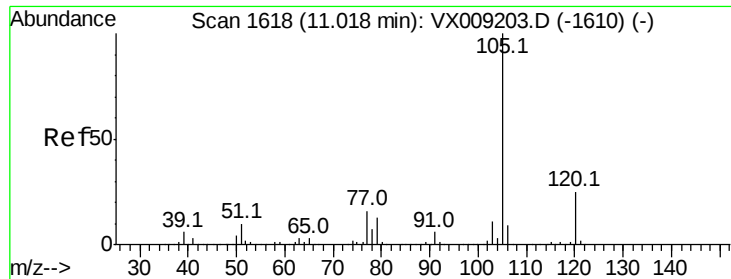


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.560 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:105 Resp: 458360

Ion Ratio Lower Upper

105 100

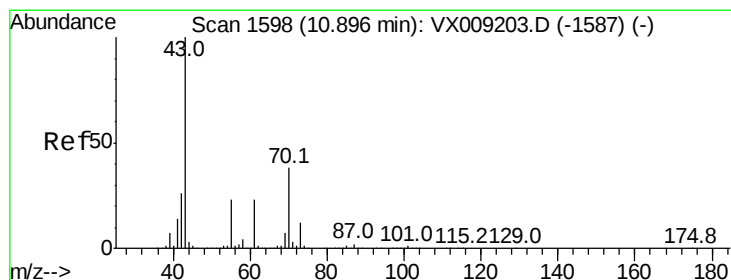
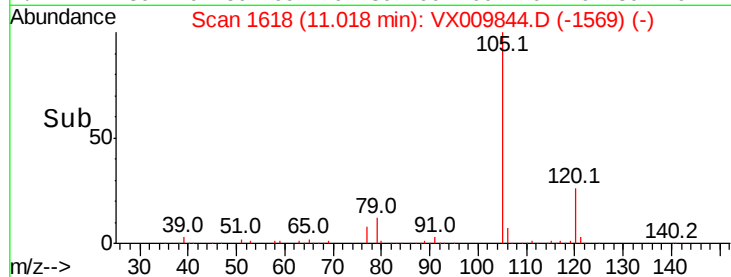
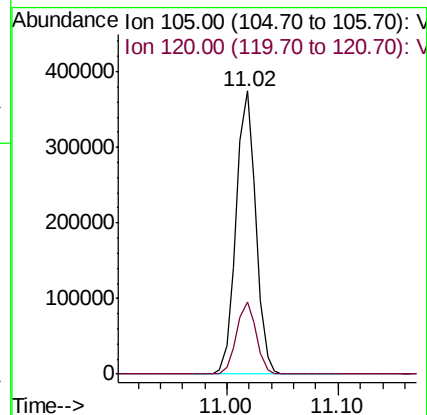
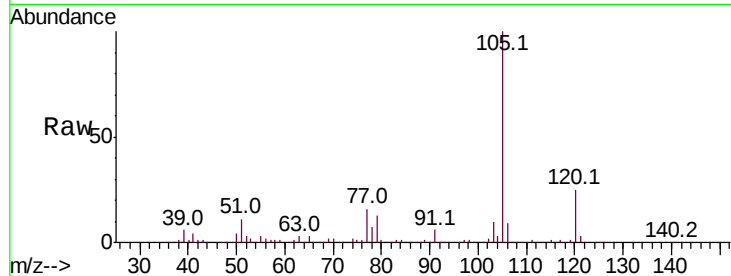
120 25.4 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#74

N-ethyl acetate

Concen: 55.127 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion: 43 Resp: 330600

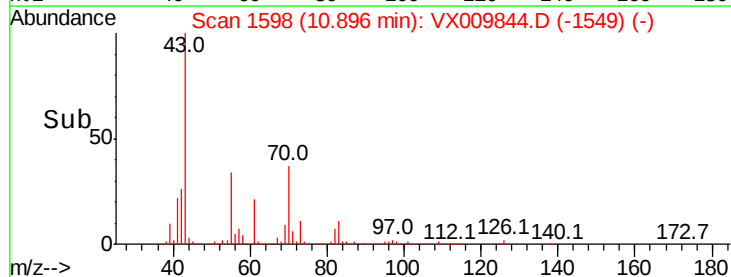
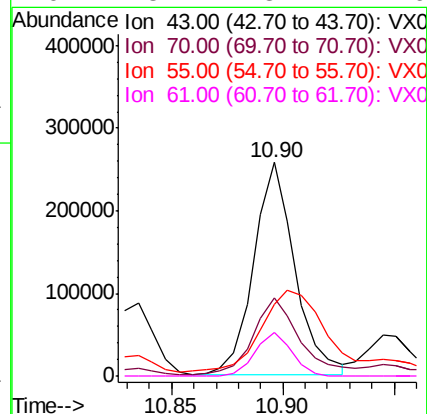
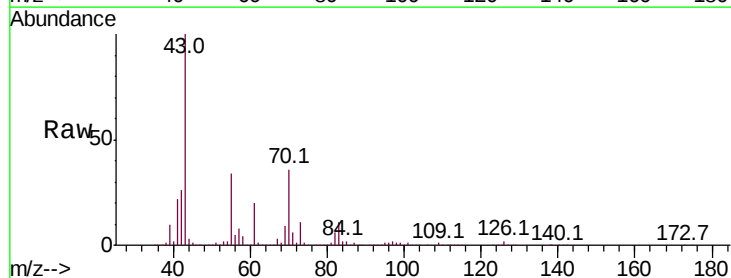
Ion Ratio Lower Upper

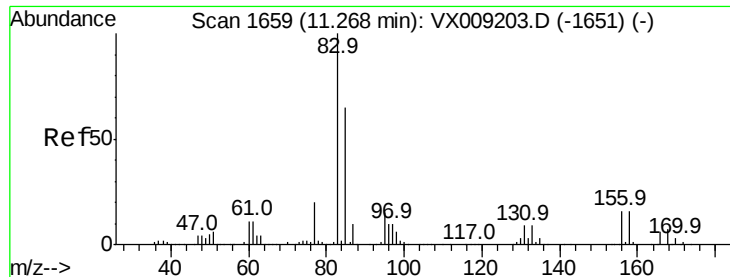
43 100

70 41.8 30.0 45.0

55 65.0 17.9 26.9#

61 18.4 18.4 27.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.334 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

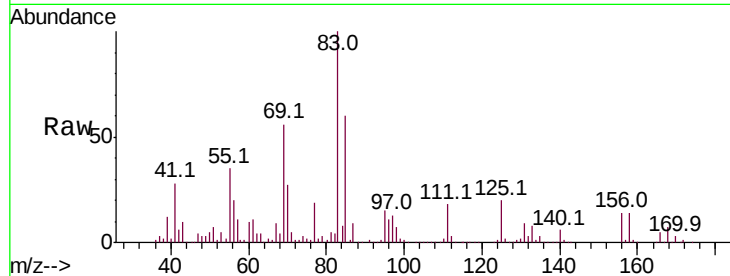
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

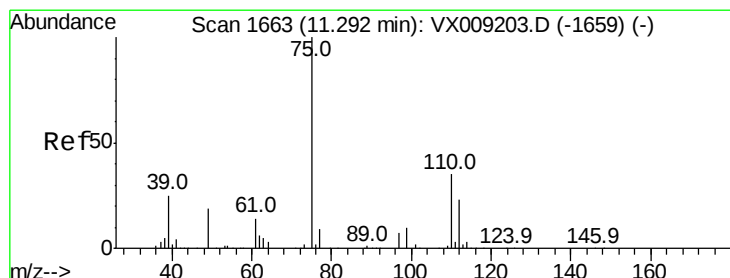
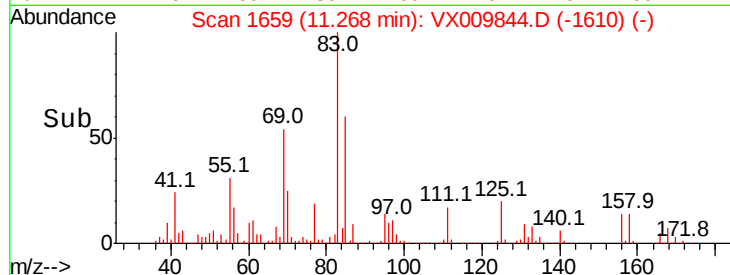
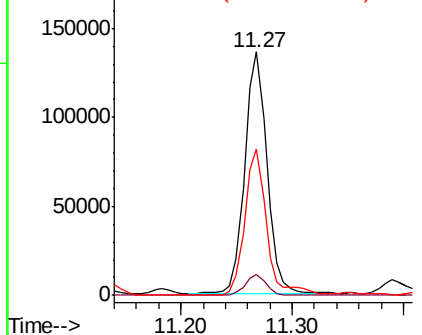
Tot Ion:	83	Resp:	189178
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.6	13.8
85	58.0	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 42.263 ug/l m

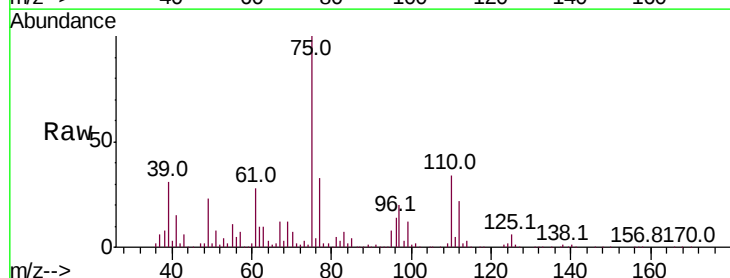
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

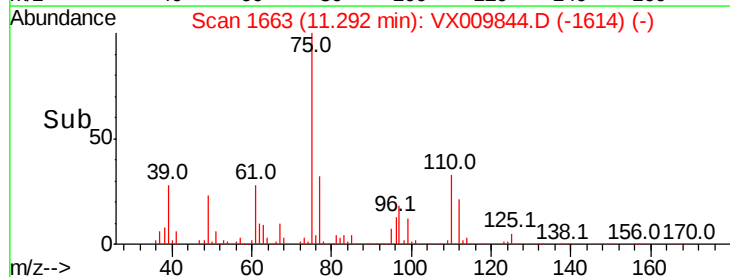
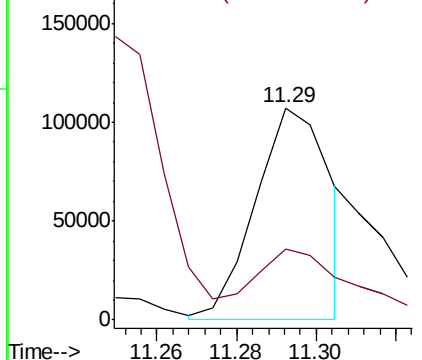
Lab File: VX009844.D

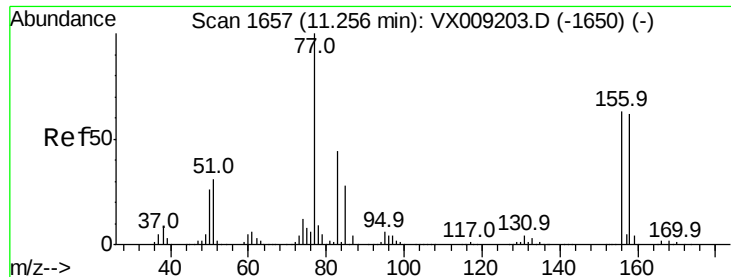
Acq: 23 May 2019 07:54

Tgt Ion:	75	Resp:	138675
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 42.296 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

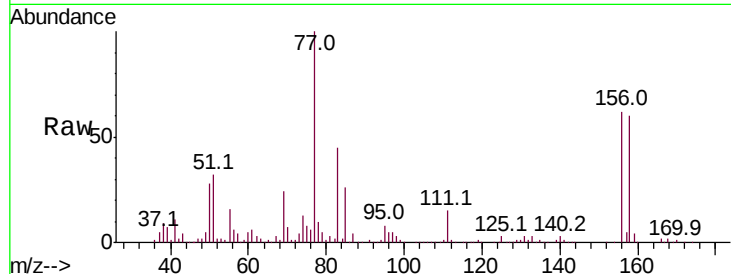
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

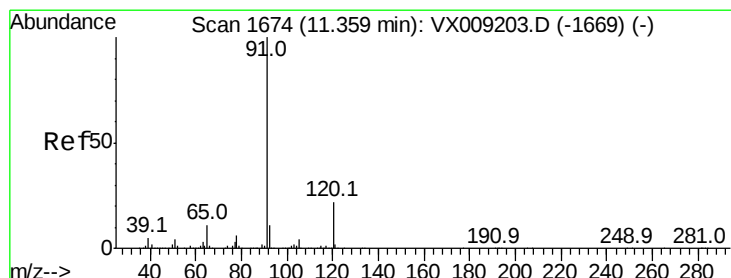
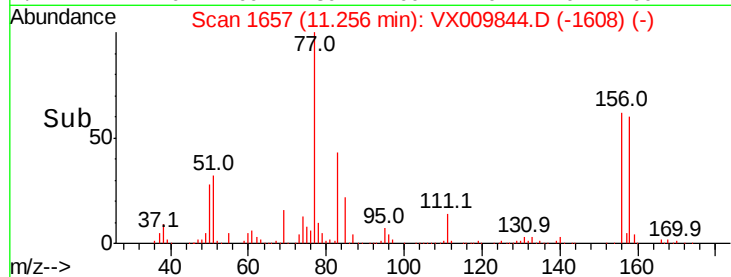
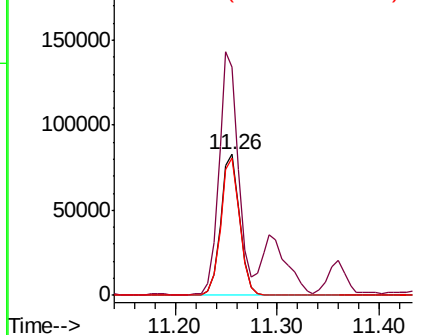
Tot Ion:	156	Resp:	107986
Ion Ratio	Lower	Upper	
156	100		
77	173.5	84.8	254.3
158	97.1	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.945 ug/l

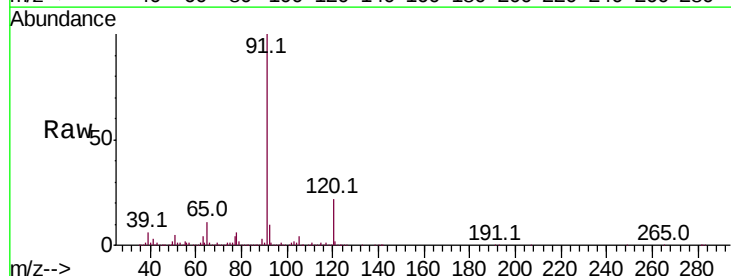
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

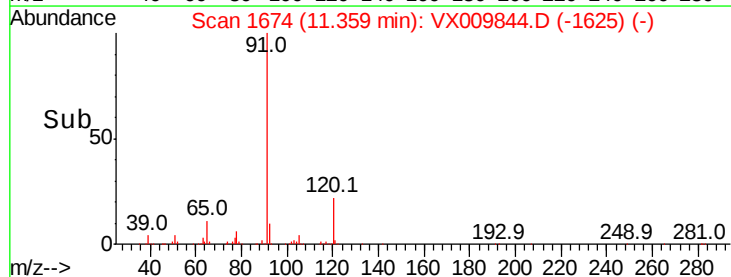
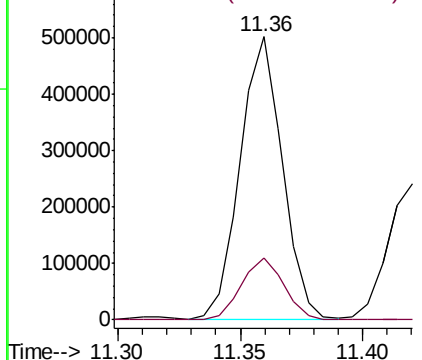
Lab File: VX009844.D

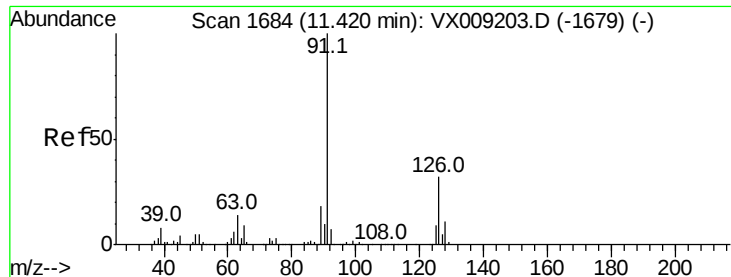
Acq: 23 May 2019 07:54

Tgt Ion:	91	Resp:	598477
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.278 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 91 Resp: 299169

Ion Ratio Lower Upper

91 100

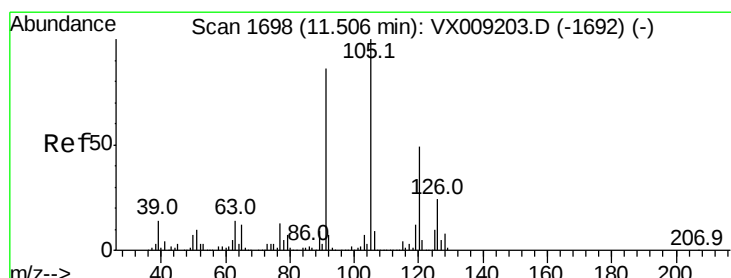
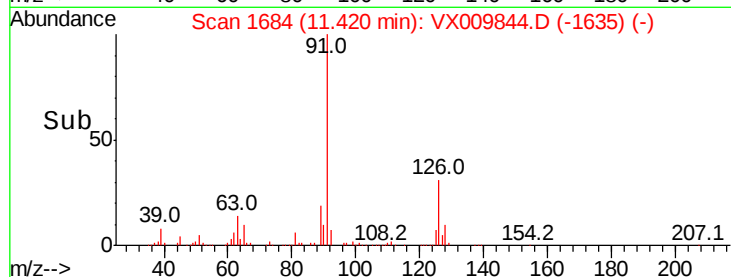
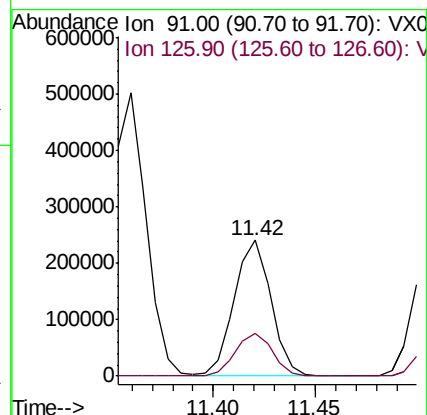
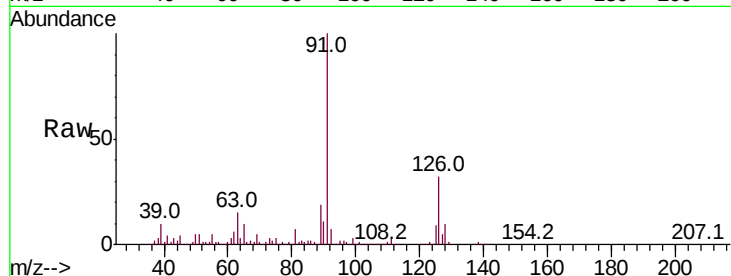
126 32.3 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#80

1,3,5-Trimethylbenzene

Concen: 60.725 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009844.D

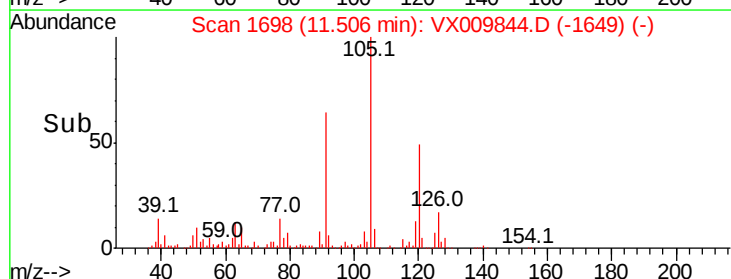
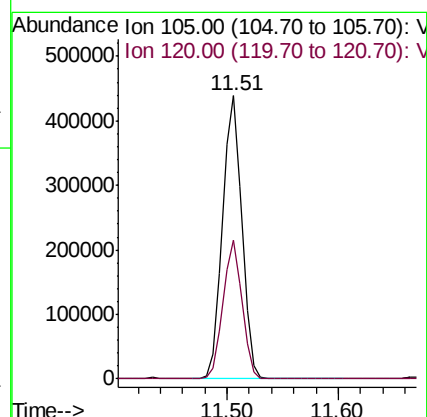
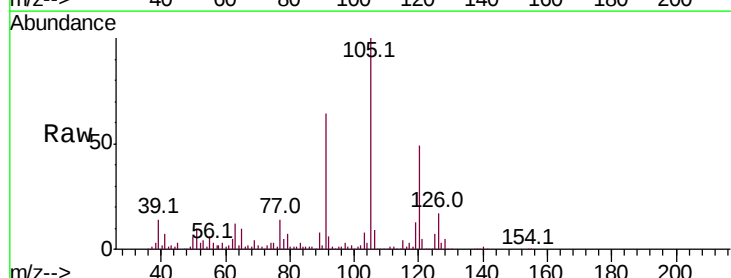
Acq: 23 May 2019 07:54

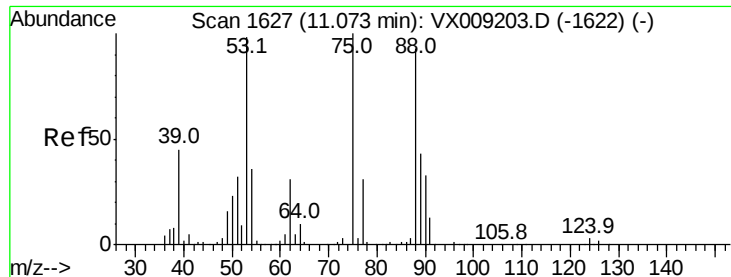
Tgt Ion: 105 Resp: 525946

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 36.589 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion: 75 Resp: 46922

Ion Ratio Lower Upper

75 100

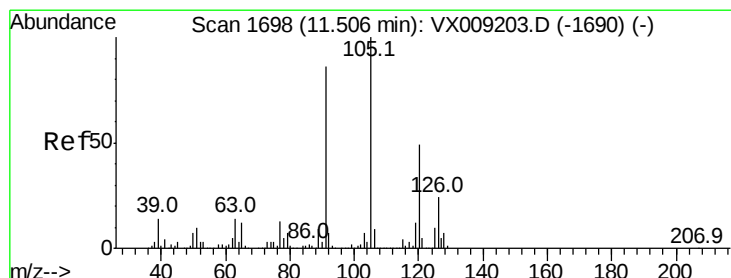
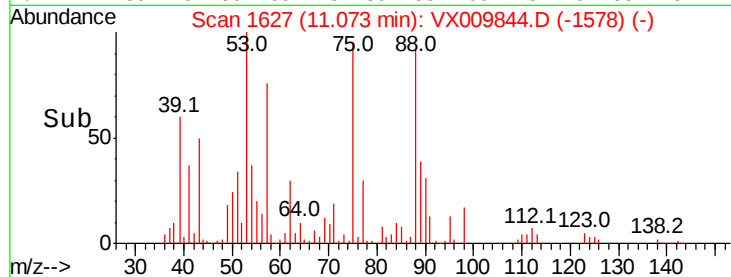
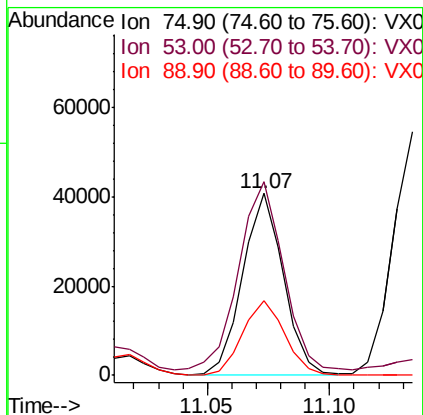
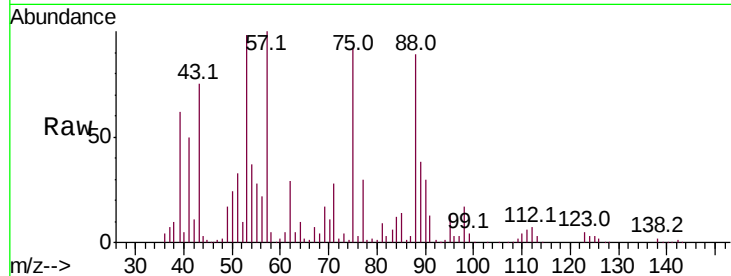
53 115.8 79.0 118.6

89 42.8 34.7 52.1

Manual Integrations
APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#82

4-Chlorotoluene

Concen: 45.529 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009844.D

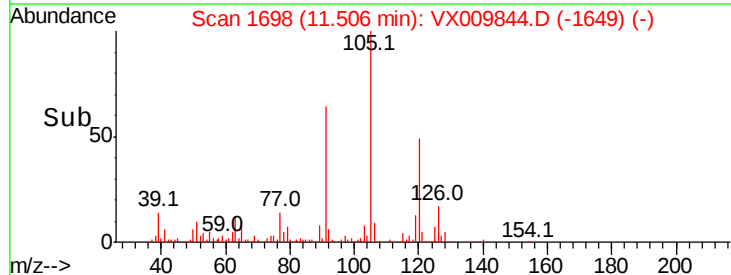
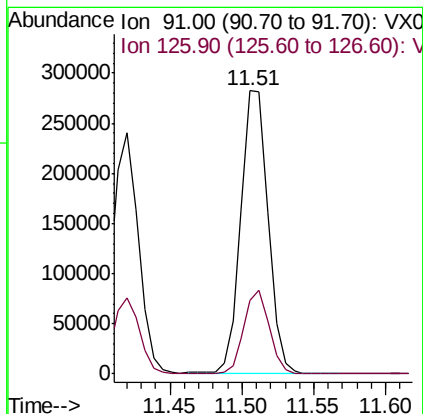
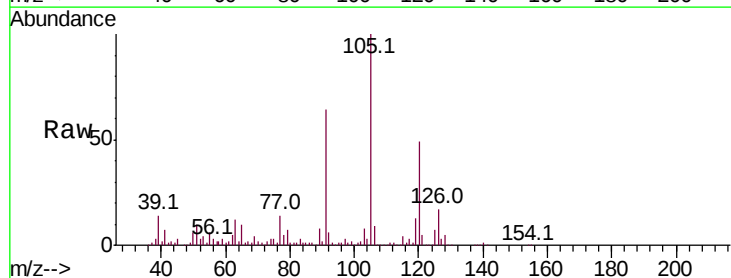
Acq: 23 May 2019 07:54

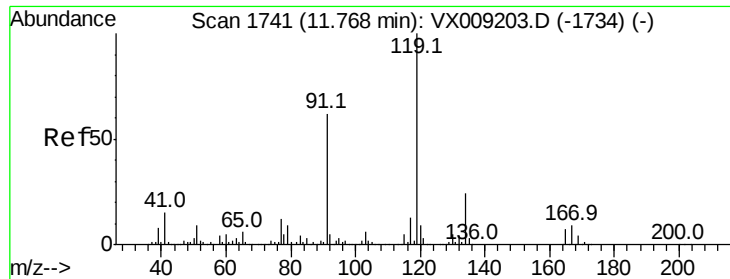
Tgt Ion: 91 Resp: 372783

Ion Ratio Lower Upper

91 100

126 27.3 14.5 43.6





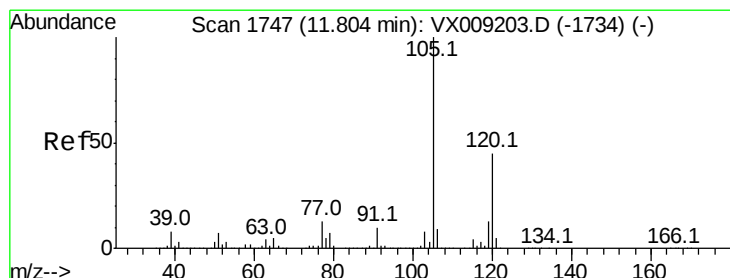
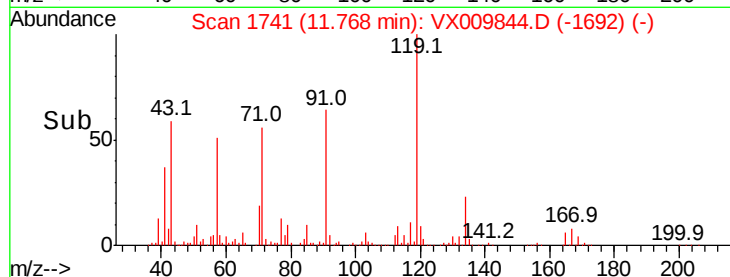
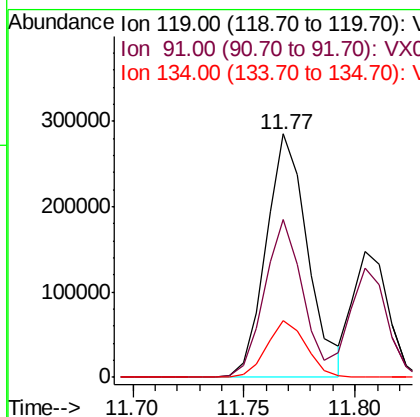
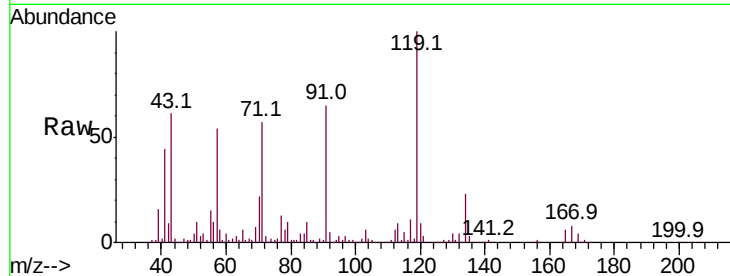
#83
tert-Butylbenzene
Concen: 43.974 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	370502		
91	59.1	29.5	88.5	
134	22.0	11.4	34.1	

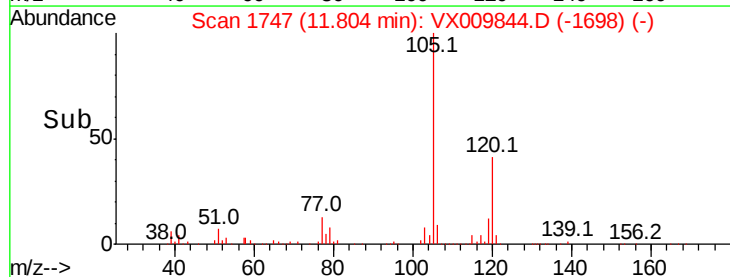
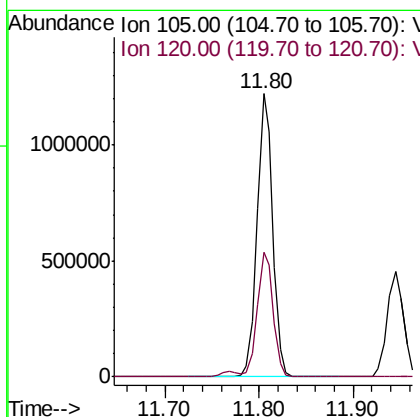
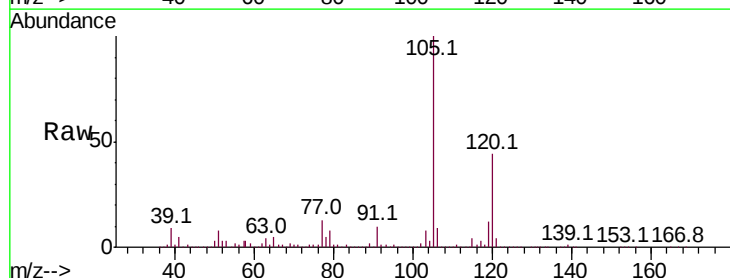
Manual Integrations
APPROVED

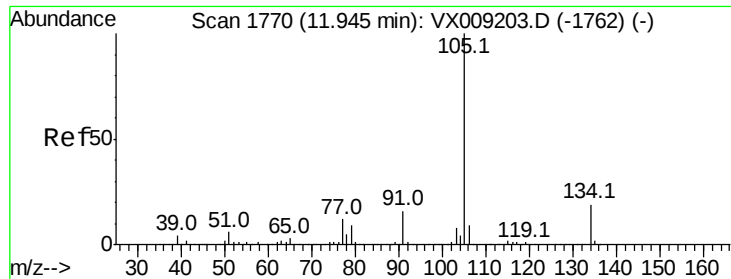
MMDadoda
5/23/2019 10:39:01 AM



#84
1,2,4-Trimethylbenzene
Concen: 164.822 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1432900		
120	44.5	22.0	66.0	





#85

sec-Butylbenzene

Concen: 54.932 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:105 Resp: 548717

Ion Ratio Lower Upper

105 100

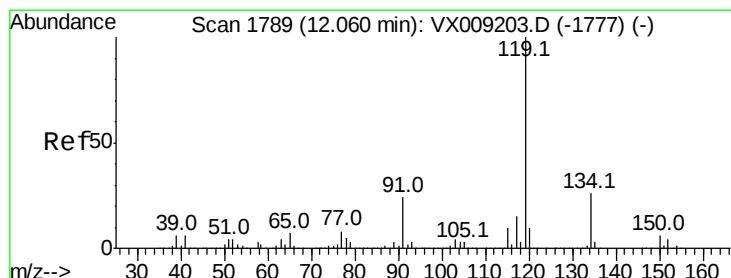
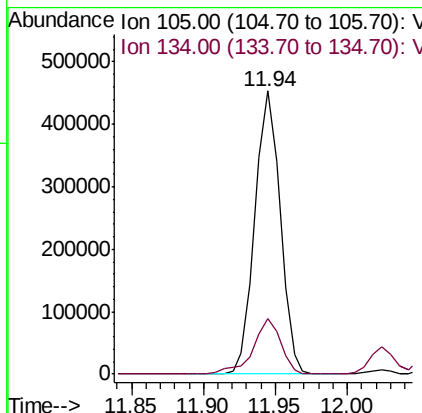
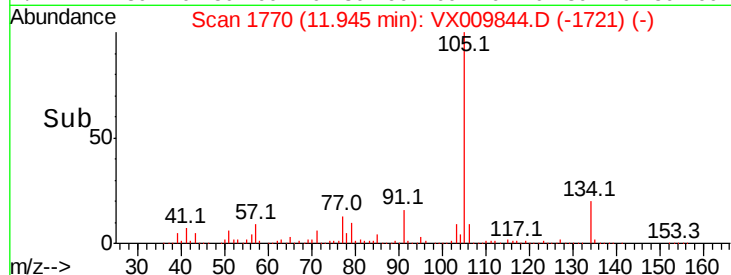
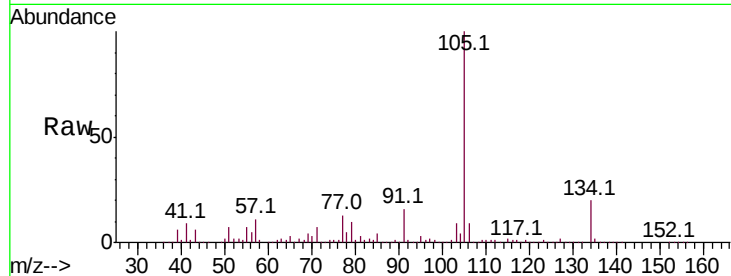
134 21.7 9.7 28.9

Manual Integrations

APPROVED

MMDadoda

5/23/2019 10:39:01 AM



#86

p-Isopropyltoluene

Concen: 56.860 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

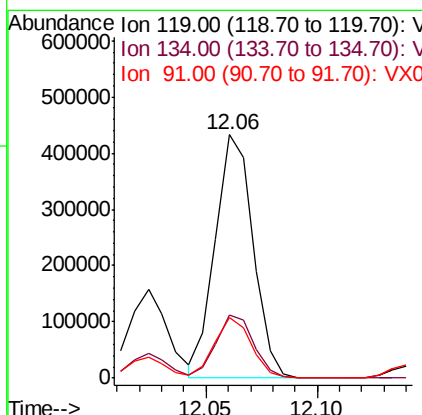
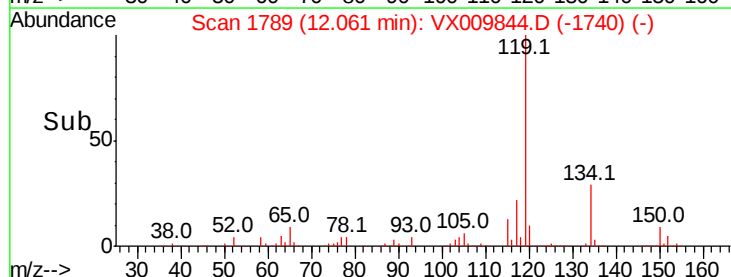
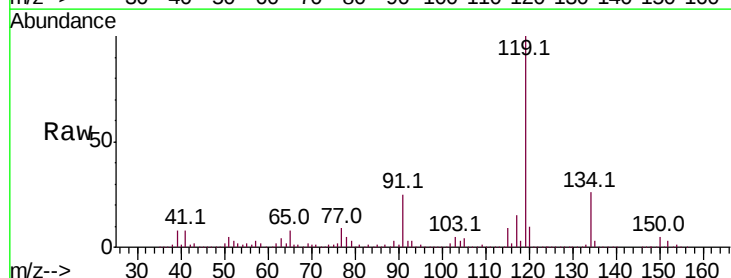
Tgt Ion:119 Resp: 510613

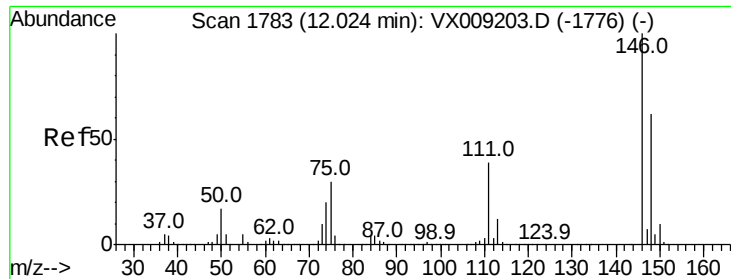
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 24.0 11.8 35.4





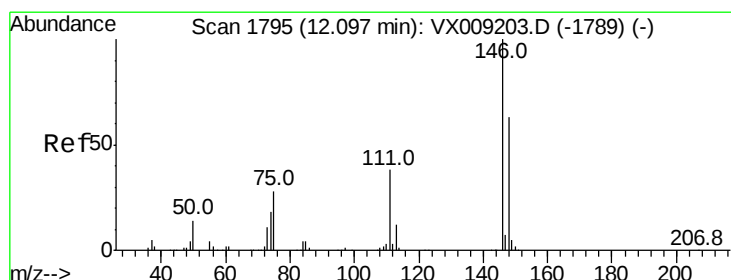
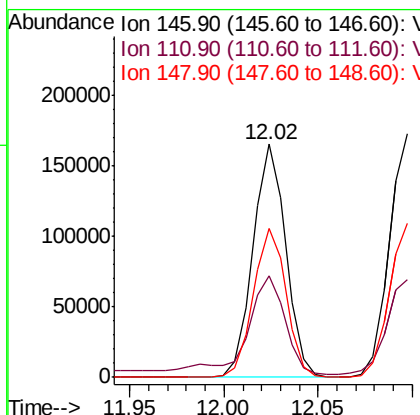
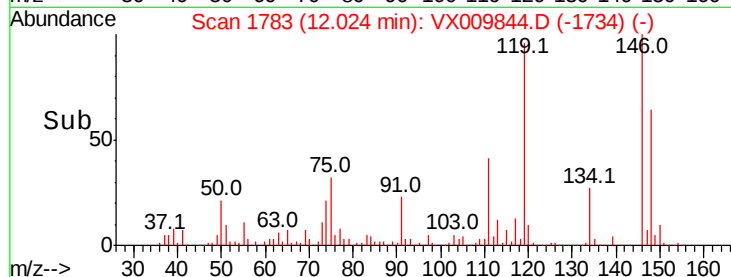
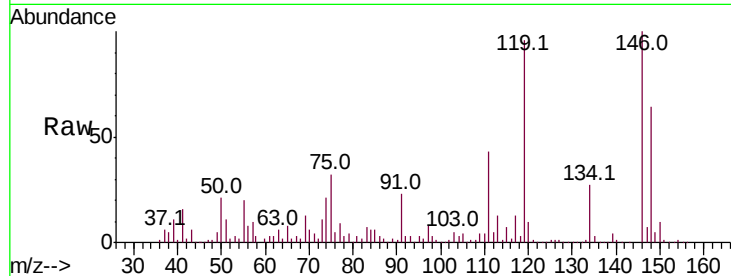
#87
 1,3-Dichlorobenzene
 Concen: 43.873 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	199682		
111	49.2	20.0	59.9	
148	63.7	31.8	95.3	

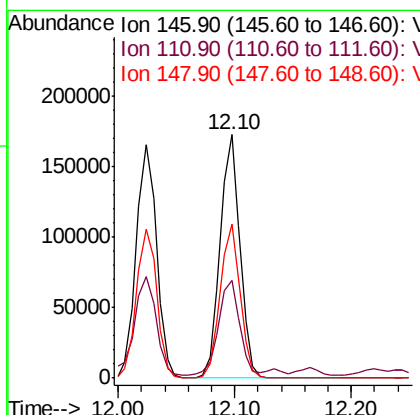
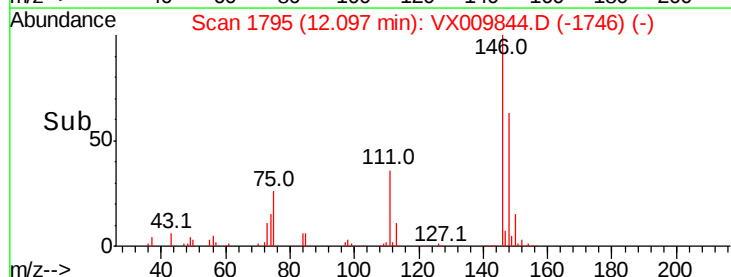
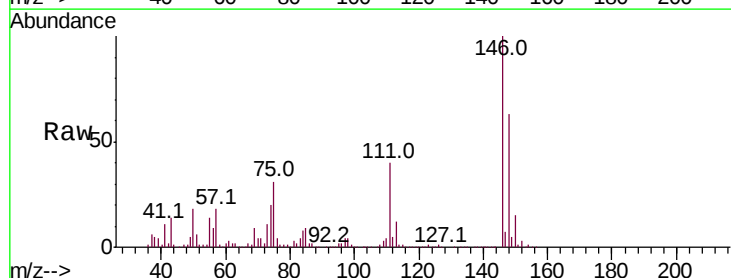
Manual Integrations
 APPROVED

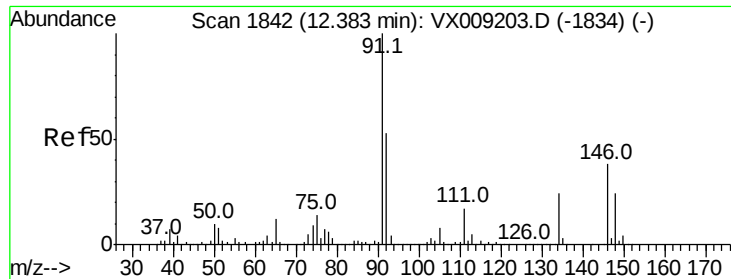
MMDadoda
 5/23/2019 10:39:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 43.913 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	201503		
111	41.9	19.6	58.8	
148	63.6	31.8	95.3	





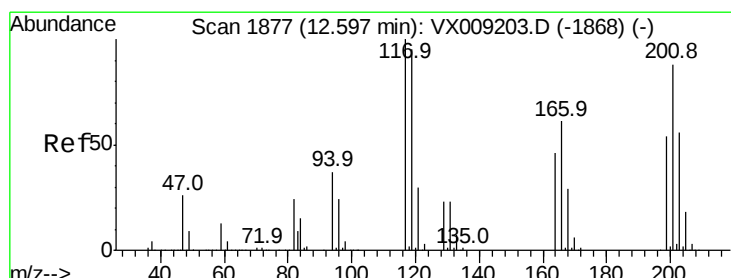
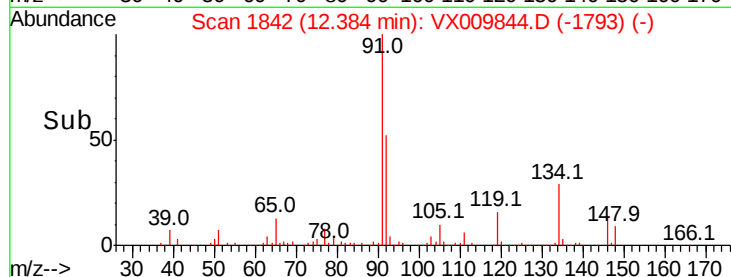
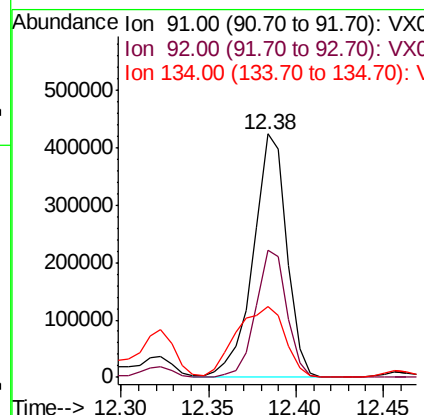
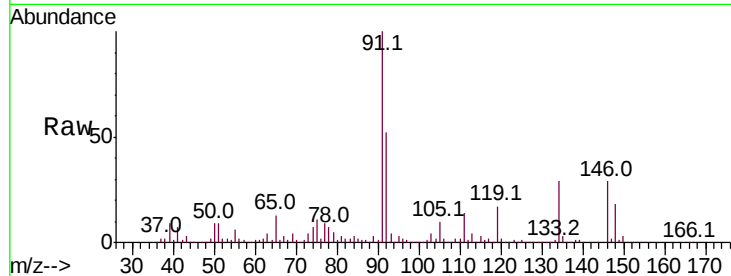
#89
n-Butylbenzene
Concen: 69.299 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Instrument :
MSVOA_X
ClientSampleId :
EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.5	26.5	79.5
134	42.5	12.4	37.2#

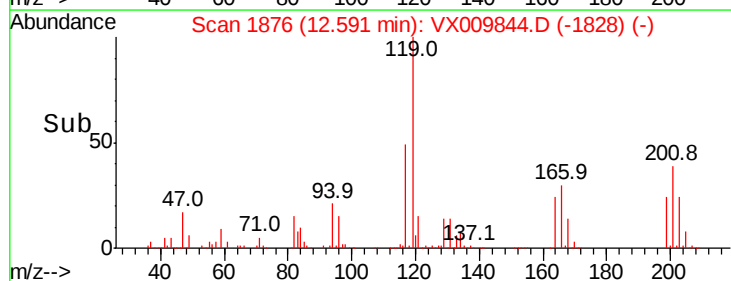
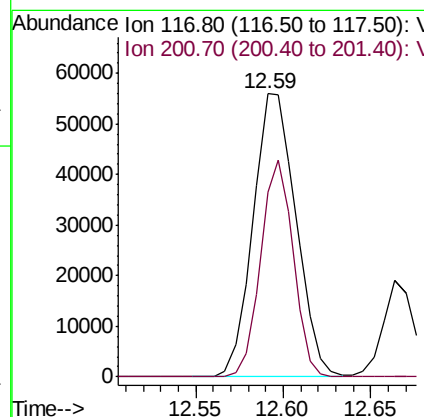
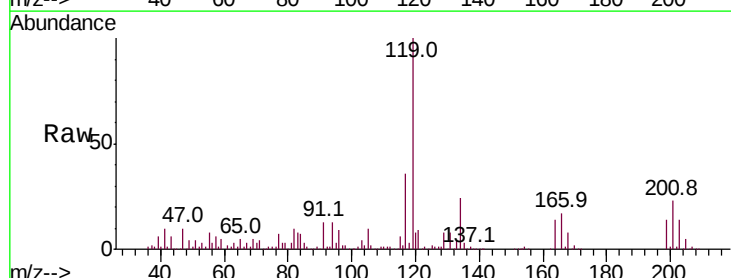
Manual Integrations
APPROVED

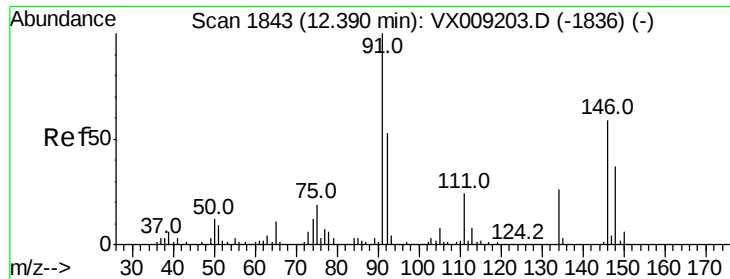
MMDadoda
5/23/2019 10:39:01 AM



#90
Hexachloroethane
Concen: 62.535 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009844.D
Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.7	42.3	126.9





#91

1,2-Dichlorobenzene

Concen: 42.355 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

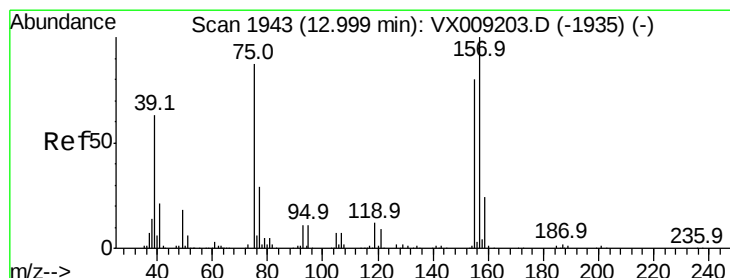
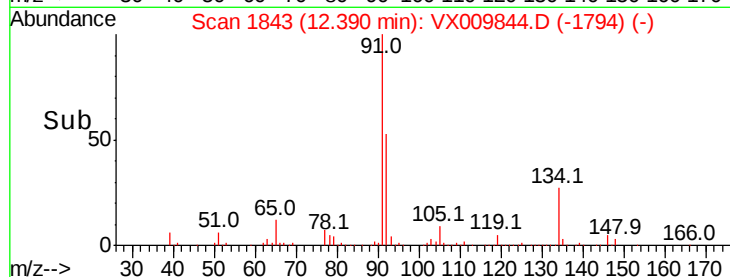
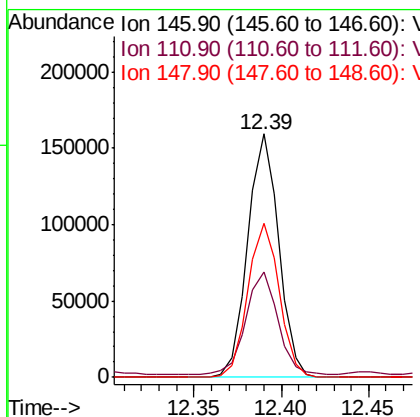
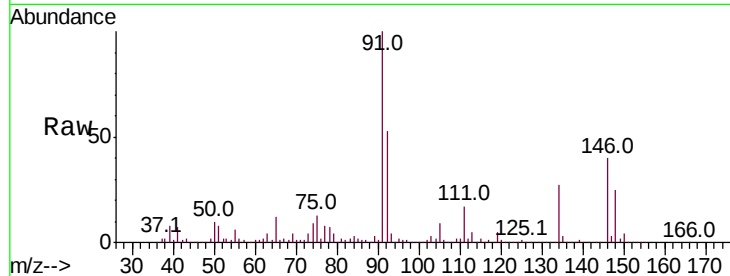
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	146	Resp:	196349
Ion Ratio	Lower	Upper	
146	100		
111	44.4	20.8	62.4
148	64.0	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.976 ug/l

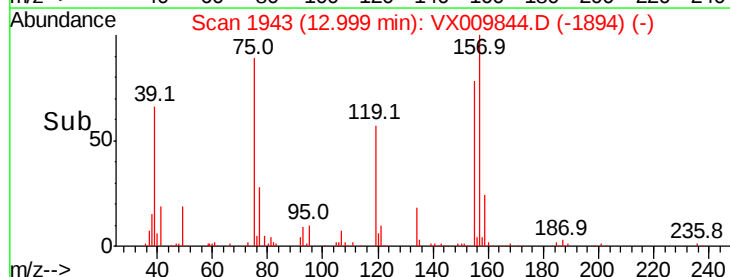
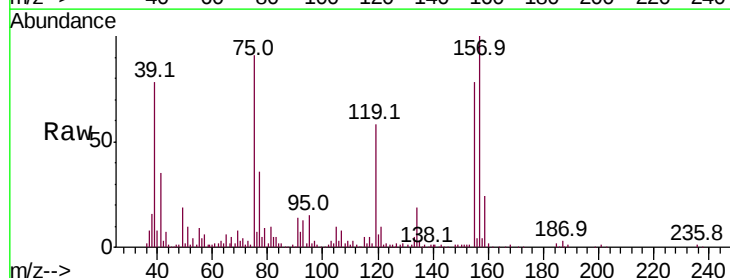
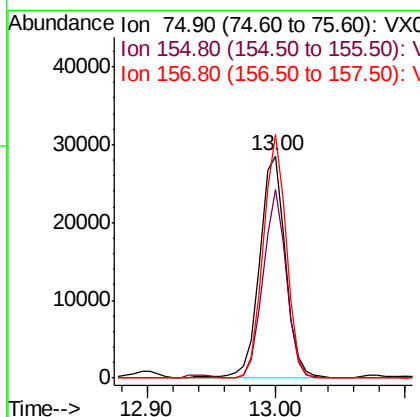
RT: 13.00 min Scan# 1943

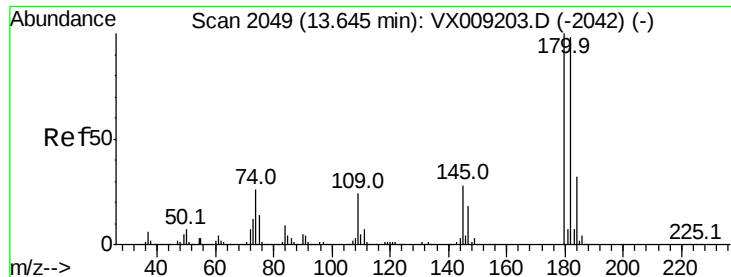
Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	75	Resp:	39549
Ion Ratio	Lower	Upper	
75	100		
155	75.5	42.0	126.0
157	97.3	53.2	159.6





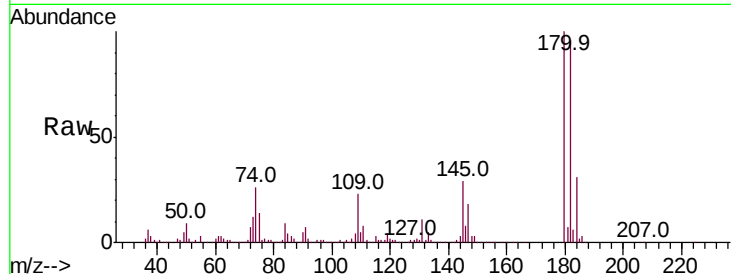
#93
 1,2,4-Trichlorobenzene
 Concen: 45.723 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-SB-MW-ER(14-17)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144947		
182	94.9	48.4	145.2	
145	31.6	14.6	43.8	

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 10:39:01 AM

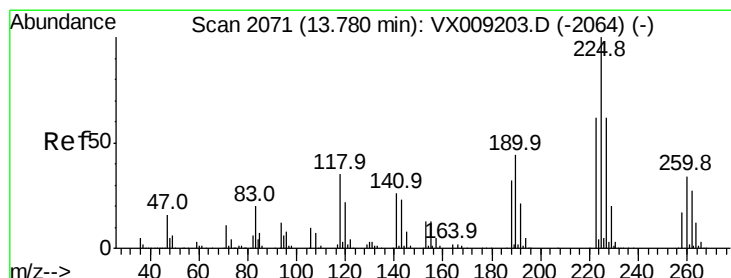
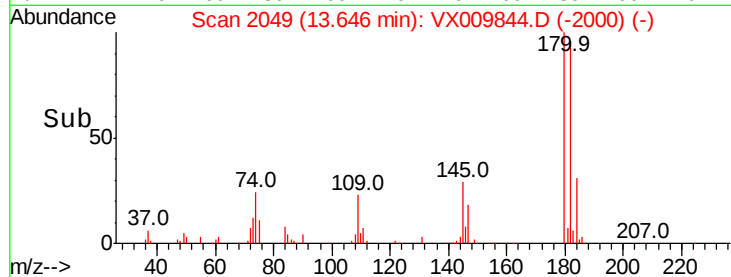
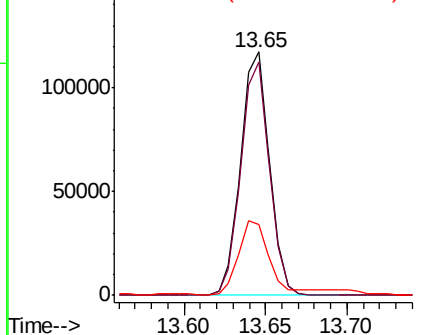


Abundance

Ion 179.80 (179.50 to 180.50): V

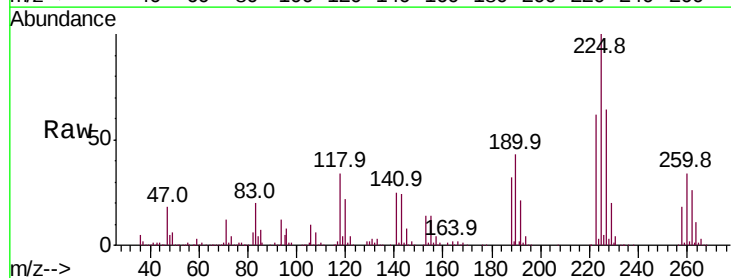
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 44.798 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009844.D
 Acq: 23 May 2019 07:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72521		
223	62.9	31.3	93.8	
227	63.8	31.8	95.3	

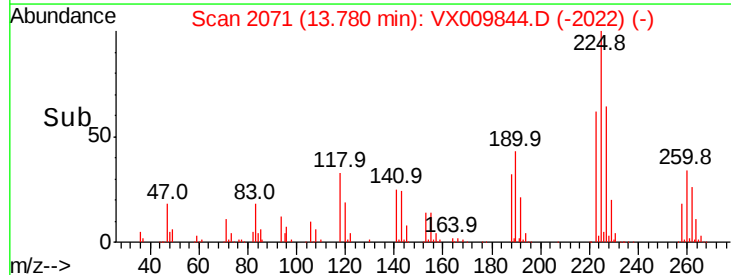
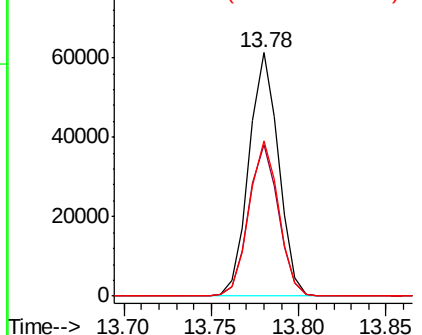


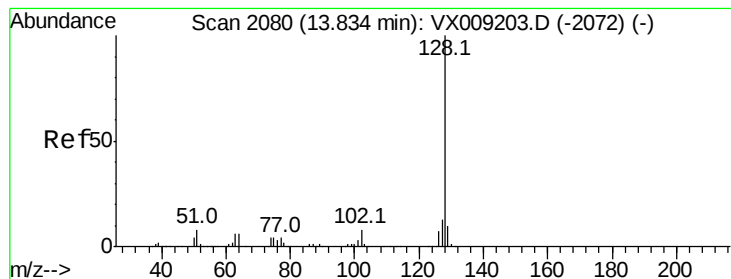
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.710 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Instrument :

MSVOA_X

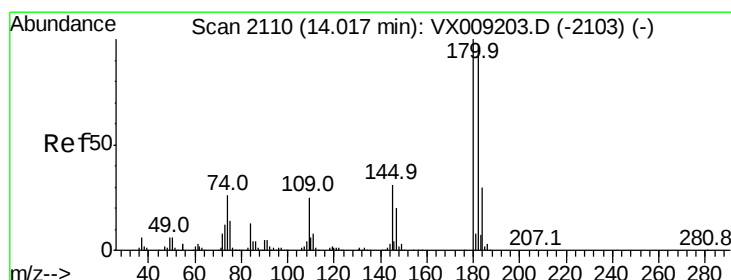
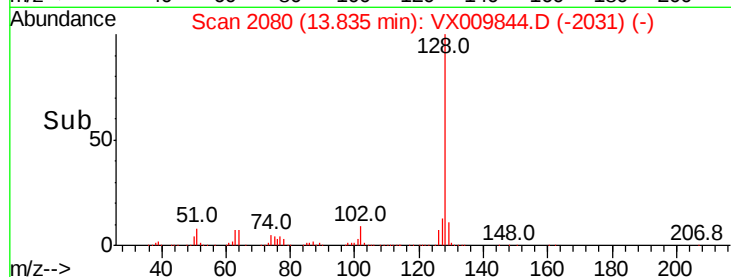
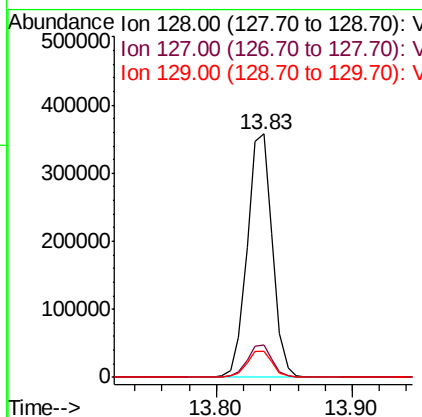
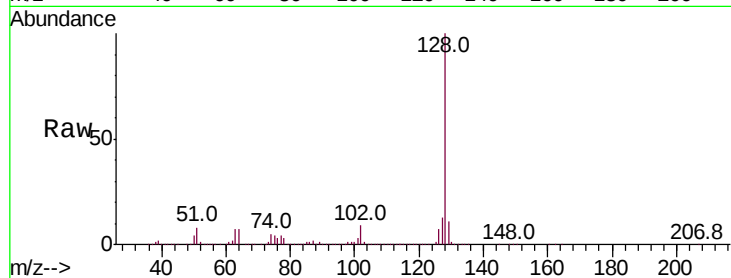
ClientSampleId :

EP1-SB-MW-ER(14-17)MSD

Tot Ion:	128	Resp:	461130
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/23/2019 10:39:01 AM



#96

1,2,3-Trichlorobenzene

Concen: 44.558 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009844.D

Acq: 23 May 2019 07:54

Tgt Ion:	180	Resp:	143184
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.8	143.4
145	32.2	15.4	46.4

