

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070219\
 Data File : VX010630.D
 Acq On : 02 Jul 2019 20:17
 Operator : JC/SP
 Sample : K3638-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:29:54 AM

Quant Time: Jul 03 04:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208795	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	322632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	108722	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
35) Dibromofluoromethane	5.50	113	103711	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	8.71	98	374522	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	139624	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	60380	41.595	ug/l	99
3) Chloromethane	1.32	50	74632	44.153	ug/l	99
4) Vinyl Chloride	1.41	62	82805	44.726	ug/l	99
5) Bromomethane	1.64	94	33296	36.915	ug/l	99
6) Chloroethane	1.71	64	55822	51.106	ug/l	100
7) Trichlorofluoromethane	1.93	101	147680	50.319	ug/l	97
8) Diethyl Ether	2.19	74	58640	55.715	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81014	45.550	ug/l	98
10) Methyl Iodide	2.51	142	81221	31.999	ug/l	97
11) Tert butyl alcohol	3.05	59	123139	240.386	ug/l	98
12) 1,1-Dichloroethene	2.37	96	89252	49.316	ug/l	99
13) Acrolein	2.29	56	98067	288.587	ug/l	100
14) Allyl chloride	2.73	41	133112	51.807	ug/l	98
15) Acrylonitrile	3.14	53	284978	280.985	ug/l	99
16) Acetone	2.45	43	227845	232.230	ug/l	97
17) Carbon Disulfide	2.57	76	204227	42.062	ug/l	100
18) Methyl Acetate	2.78	43	101926	52.125	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	319469	56.112	ug/l	99
20) Methylene Chloride	2.85	84	107061	53.024	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	96652	49.656	ug/l	98
22) Diisopropyl ether	3.85	45	295666	55.038	ug/l	96
23) Vinyl Acetate	3.82	43	1184544	255.245	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167940	54.083	ug/l	99
25) 2-Butanone	4.67	43	380864	264.640	ug/l	98
26) 2,2-Dichloropropane	4.58	77	109417	40.563	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	117453	52.218	ug/l	100
28) Bromochloromethane	5.02	49	80525	54.238	ug/l	96
29) Tetrahydrofuran	5.13	42	246753	276.803	ug/l	99
30) Chloroform	5.21	83	182033	54.484	ug/l	99
31) Cyclohexane	5.57	56	127344	45.034	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	155804	52.813	ug/l	99
36) 1,1-Dichloropropene	5.80	75	120191	46.880	ug/l	100
37) Ethyl Acetate	4.84	43	131380	49.812	ug/l	99
38) Carbon Tetrachloride	5.79	117	134171	48.328	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070219\
 Data File : VX010630.D
 Acq On : 02 Jul 2019 20:17
 Operator : JC/SP
 Sample : K3638-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:29:54 AM

Quant Time: Jul 03 04:10:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	135864	40.315	ug/l	99
40) Benzene	6.14	78	402673	50.413	ug/l	99
41) Methacrylonitrile	5.04	41	79332	54.819	ug/l	98
42) 1,2-Dichloroethane	6.19	62	137022	56.355	ug/l	98
43) Isopropyl Acetate	6.45	43	223219	51.153	ug/l	98
44) Trichloroethene	7.21	130	114168	47.768	ug/l	99
45) 1,2-Dichloropropane	7.51	63	103699	51.411	ug/l	99
46) Dibromomethane	7.66	93	77517	53.564	ug/l	96
47) Bromodichloromethane	7.90	83	140135	52.838	ug/l	99
48) Methyl methacrylate	7.77	41	113702	56.056	ug/l	98
49) 1,4-Dioxane	7.74	88	56206	961.915	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	783216	280.632	ug/l	98
52) Toluene	8.78	92	263031	50.005	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	144839	48.711	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	161855	50.090	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	115146	53.078	ug/l	99
56) Ethyl methacrylate	9.18	69	177266	53.941	ug/l	97
57) 1,3-Dichloropropane	9.37	76	179486	53.300	ug/l	100
59) 2-Hexanone	9.49	43	599675	273.009	ug/l	98
60) Dibromochloromethane	9.58	129	125306	51.588	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123508	52.746	ug/l	100
64) Tetrachloroethene	9.34	164	97772	41.108	ug/l	99
65) Chlorobenzene	10.14	112	302191	50.619	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	113569	52.226	ug/l	99
67) Ethyl Benzene	10.25	91	506326	50.238	ug/l	99
68) m/p-Xylenes	10.36	106	391683	100.298	ug/l	99
69) o-Xylene	10.69	106	193827	50.471	ug/l	98
70) Stvrene	10.71	104	337247	52.364	ug/l	98
71) Bromoform	10.85	173	96369	50.961	ug/l #	99
73) Isopropylbenzene	11.02	105	510313	49.284	ug/l	98
74) N-amyl acetate	10.90	43	195970	50.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186091	54.267	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	146375m	52.587	ug/l	
77) Bromobenzene	11.26	156	142476	49.278	ug/l	98
78) n-propylbenzene	11.36	91	567241	49.845	ug/l	98
79) 2-Chlorotoluene	11.42	91	337972	49.874	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	425887	49.892	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	52106	43.671	ug/l	91
82) 4-Chlorotoluene	11.51	91	392795	50.939	ug/l	100
83) tert-Butylbenzene	11.77	119	434064	50.664	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	430188	50.161	ug/l	100
85) sec-Butylbenzene	11.94	105	493182	49.027	ug/l	99
86) p-Isopropyltoluene	12.06	119	455806	48.987	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	251203	49.773	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	250739	48.801	ug/l	99
89) n-Butylbenzene	12.38	91	383464	48.499	ug/l	99
90) Hexachloroethane	12.60	117	77733	48.314	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	251532	50.146	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38054	51.470	ug/l	91
93) 1,2,4-Trichlorobenzene	13.65	180	173292	49.818	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070219\
Data File : VX010630.D
Acq On : 02 Jul 2019 20:17
Operator : JC/SP
Sample : K3638-03MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

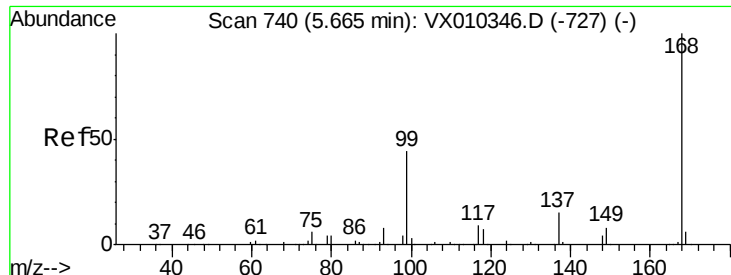
Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM

Quant Time: Jul 03 04:10:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	75776	44.572	ug/l	98
95) Naphthalene	13.83	128	558454	52.242	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	175695	50.800	ug/l	100

(#) = 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: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:168 Resp: 208795

Ion Ratio Lower Upper

168 100

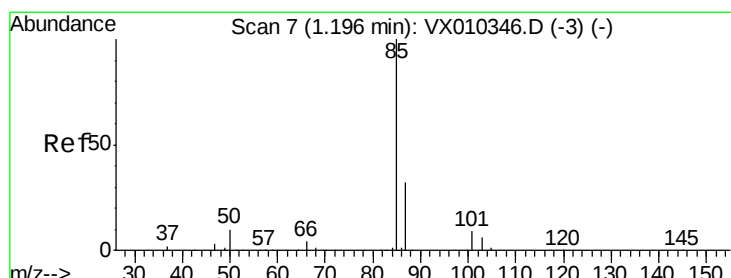
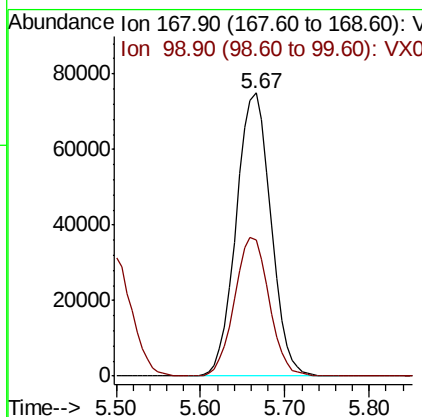
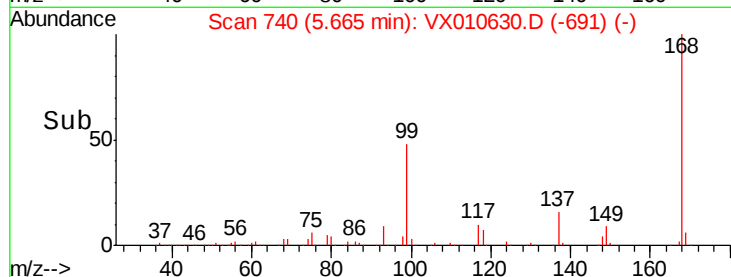
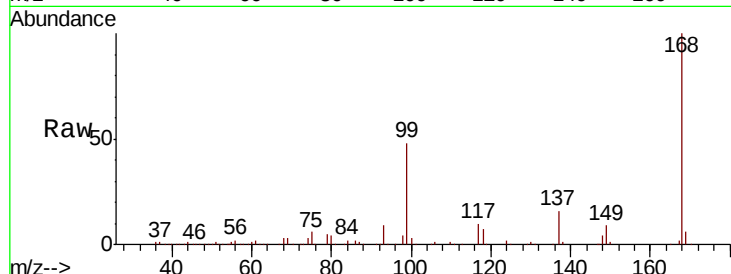
99 48.0 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#2

Dichlorodifluoromethane

Concen: 41.595 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010630.D

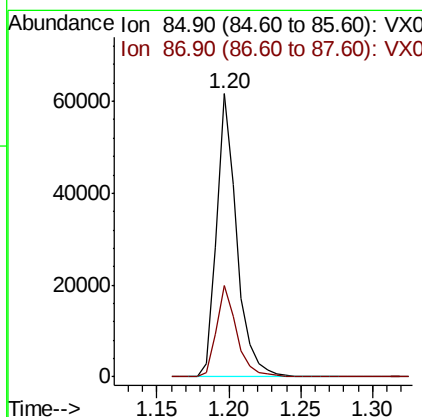
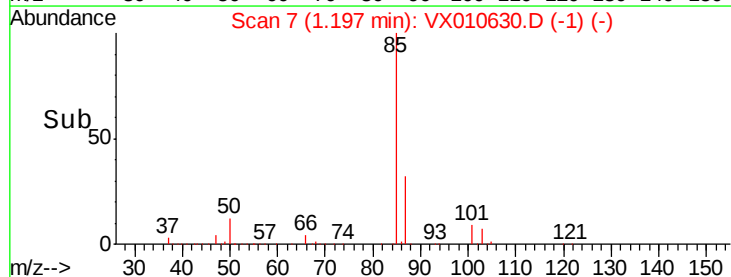
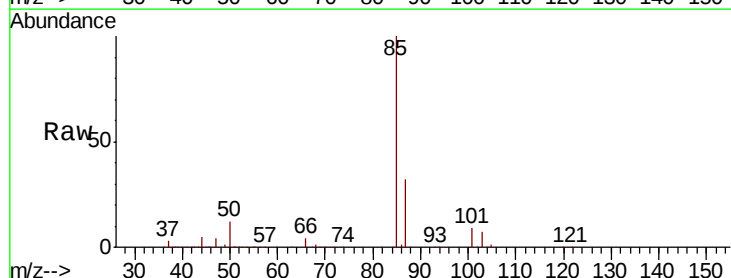
Acq: 02 Jul 2019 20:17

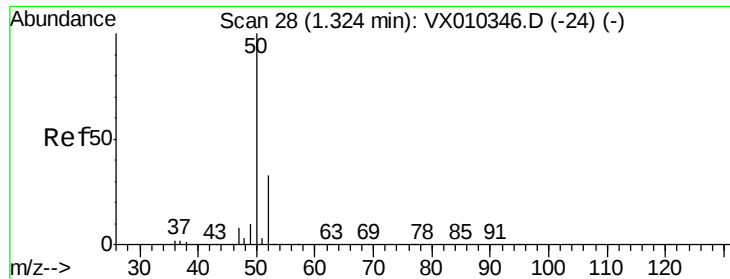
Tgt Ion: 85 Resp: 60380

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8





#3

Chloromethane

Concen: 44.153 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 50 Resp: 74632

Ion Ratio Lower Upper

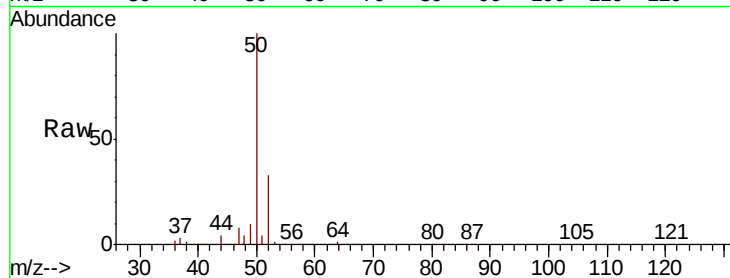
50 100

52 33.5 26.5 39.7

Manual Integrations
APPROVED

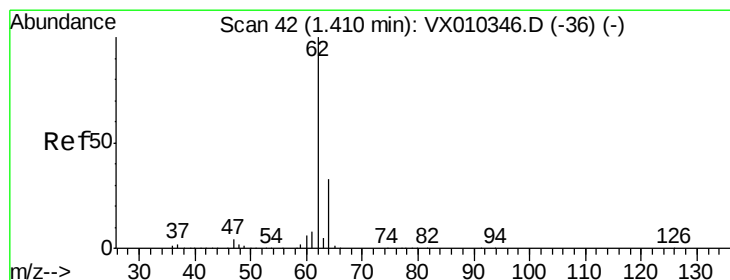
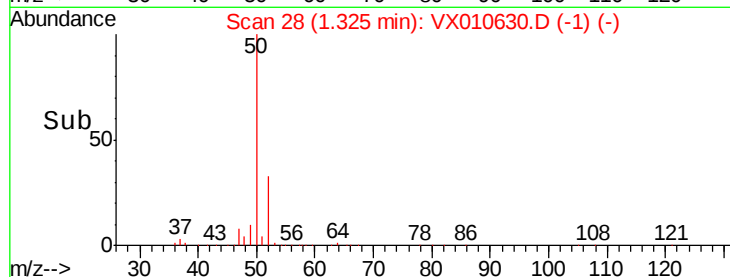
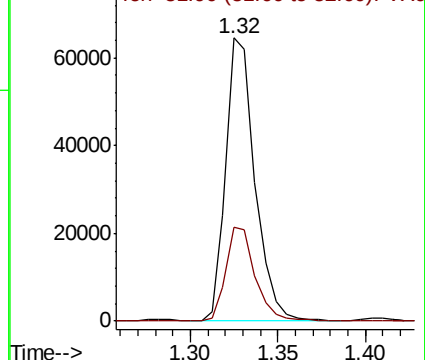
MMDadoda

7/3/2019 9:29:54 AM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.726 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010630.D

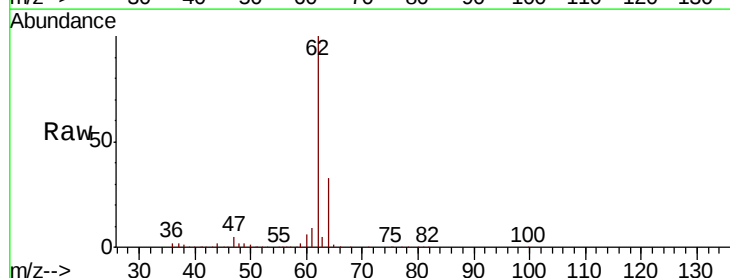
Acq: 02 Jul 2019 20:17

Tgt Ion: 62 Resp: 82805

Ion Ratio Lower Upper

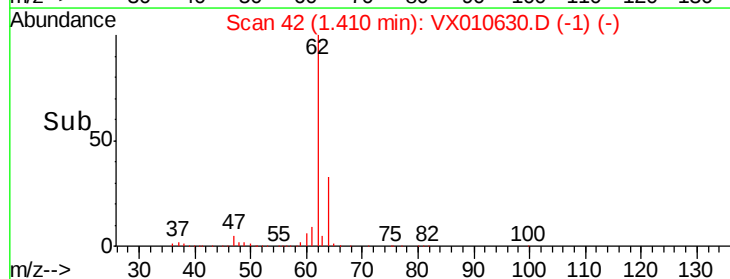
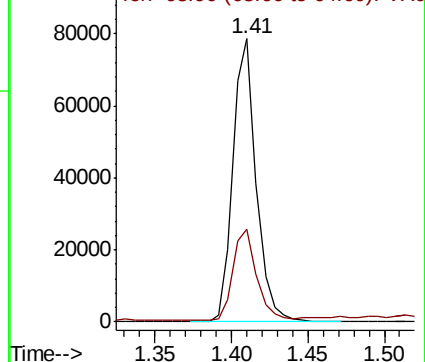
62 100

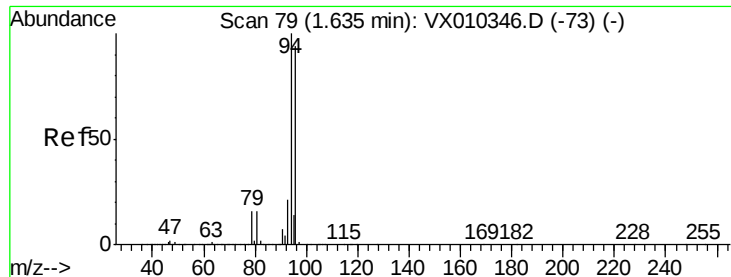
64 32.1 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 36.915 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 94 Resp: 33296

Ion Ratio Lower Upper

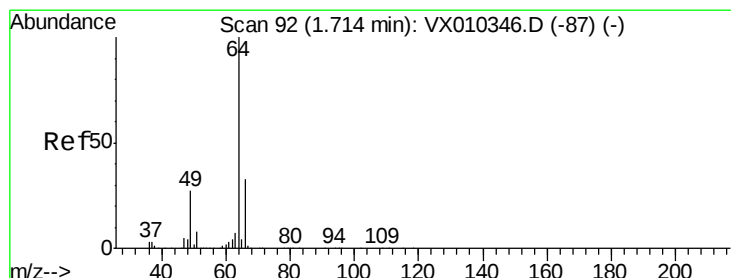
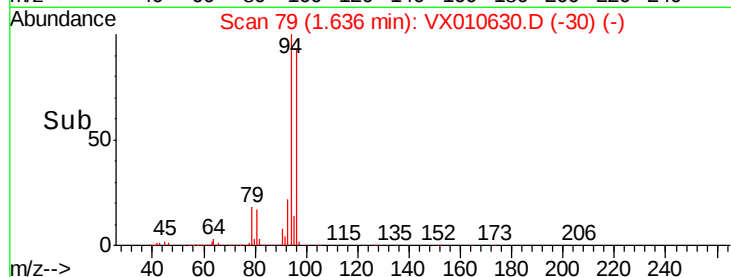
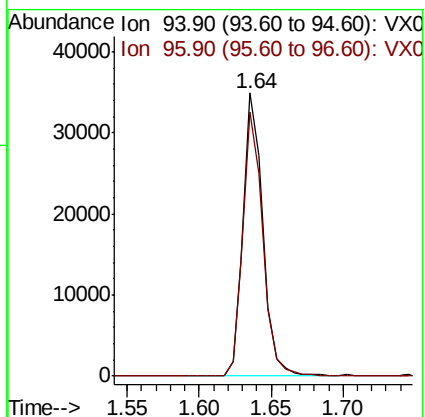
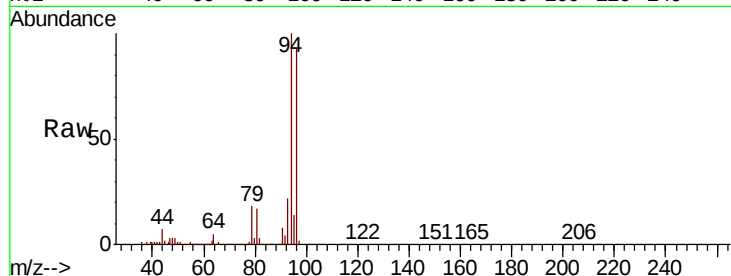
94 100

96 93.3 75.5 113.3

Manual Integrations
APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#6

Chloroethane

Concen: 51.106 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010630.D

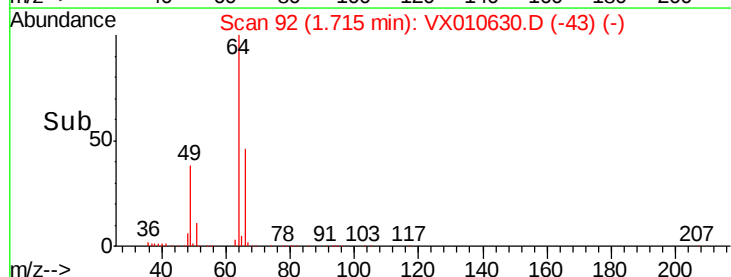
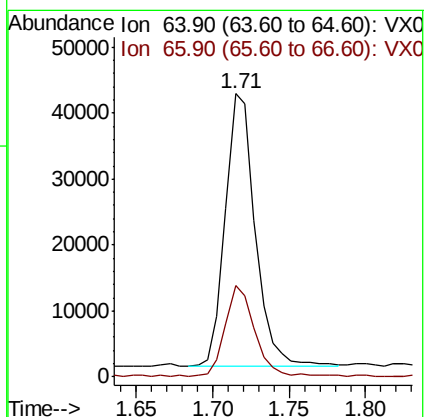
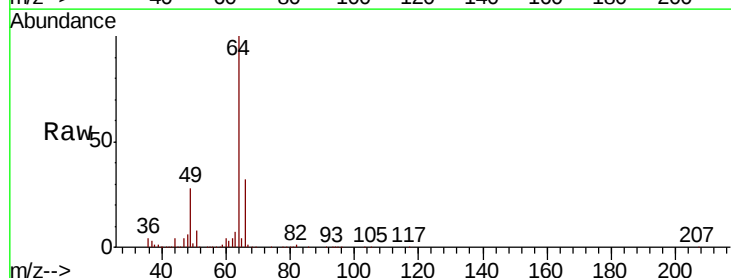
Acq: 02 Jul 2019 20:17

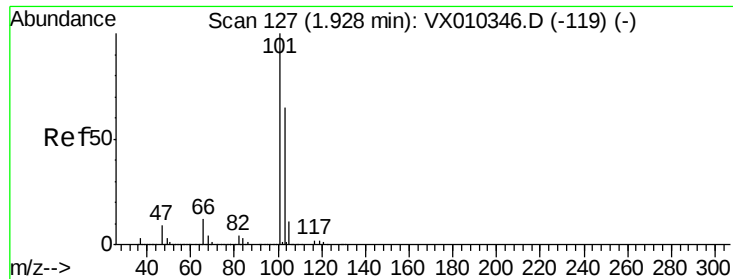
Tgt Ion: 64 Resp: 55822

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0





#7

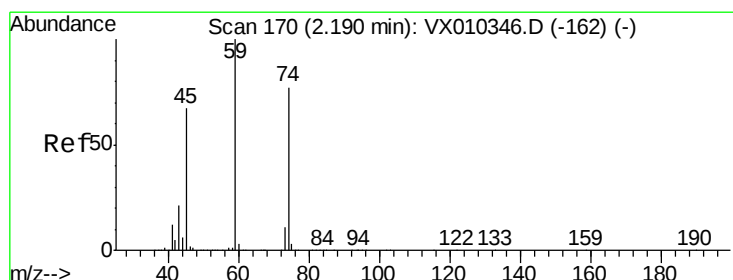
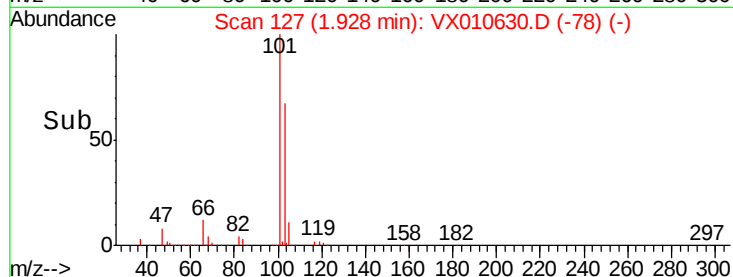
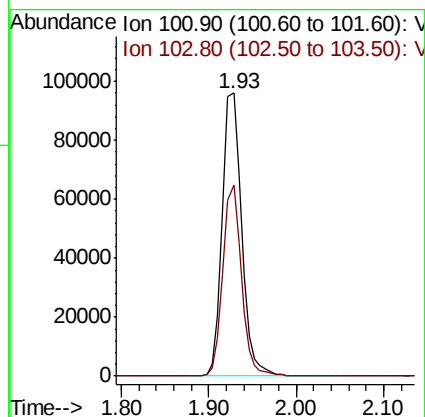
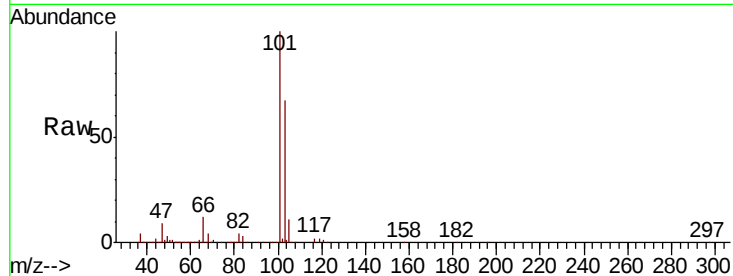
Trichlorofluoromethane
Concen: 50.319 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.3	78.5

Manual Integrations
APPROVED

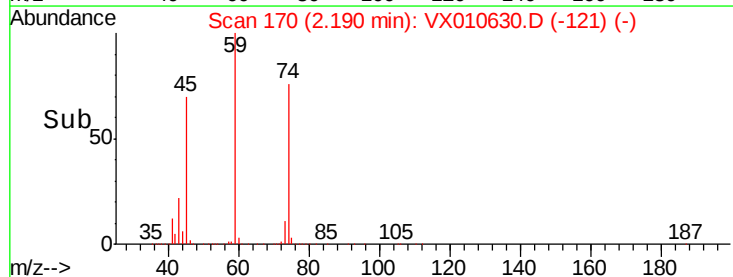
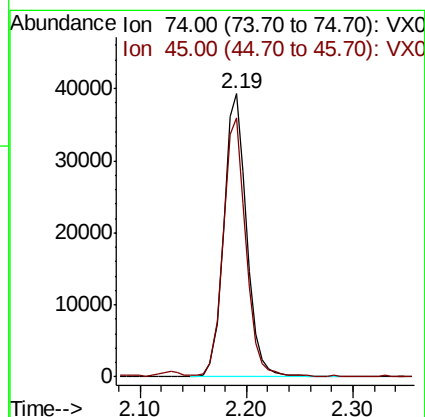
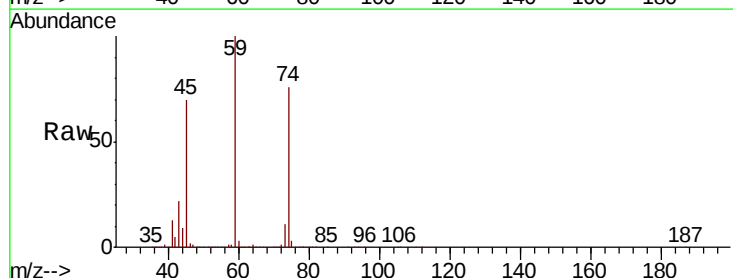
MMDadoda
7/3/2019 9:29:54 AM

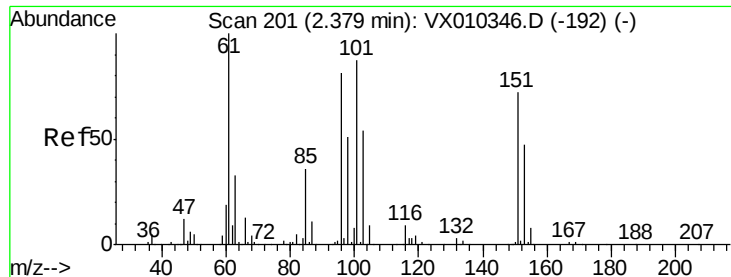


#8

Diethyl Ether
Concen: 55.715 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.9	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.550 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

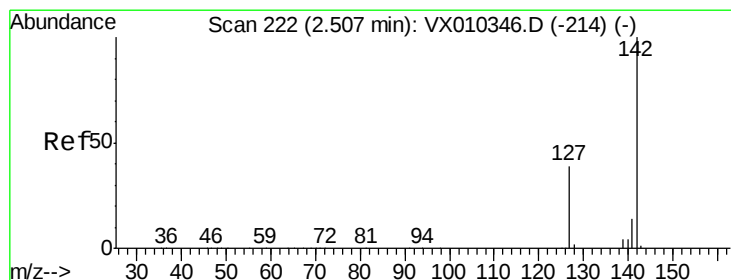
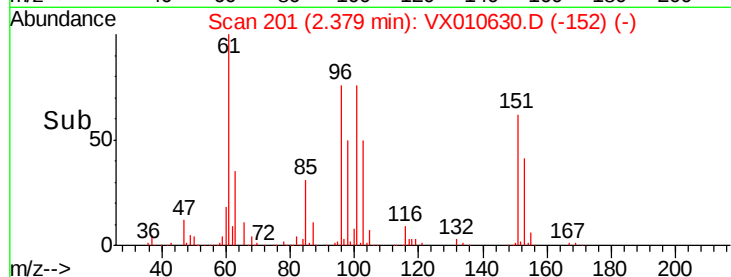
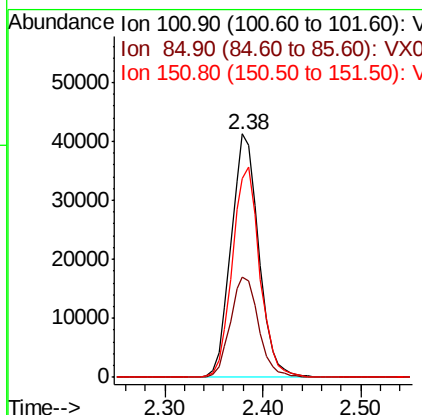
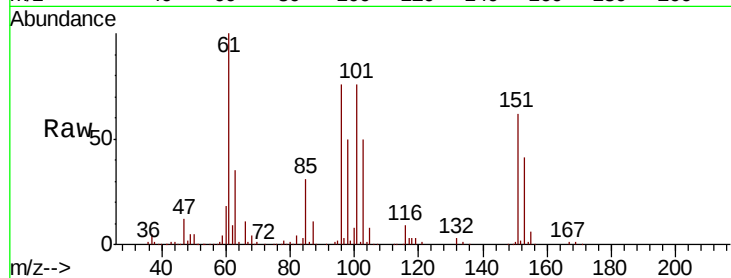
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	101	Resp:	81014
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	85.5	70.1	105.1

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#10

Methyl Iodide

Concen: 31.999 ug/l

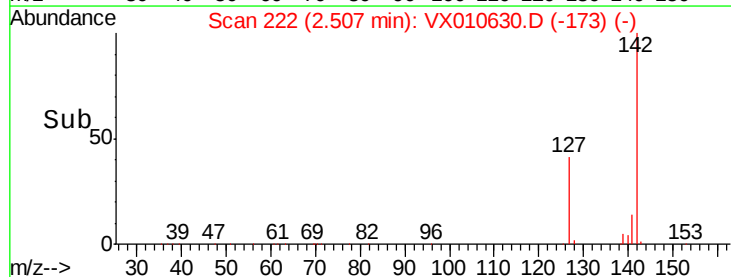
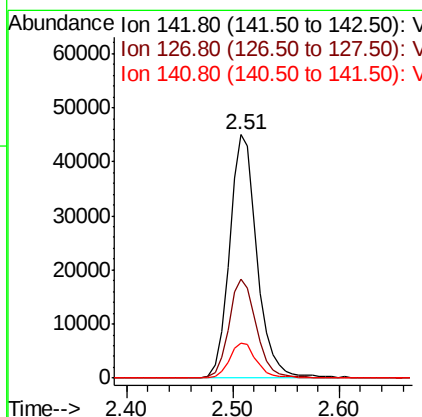
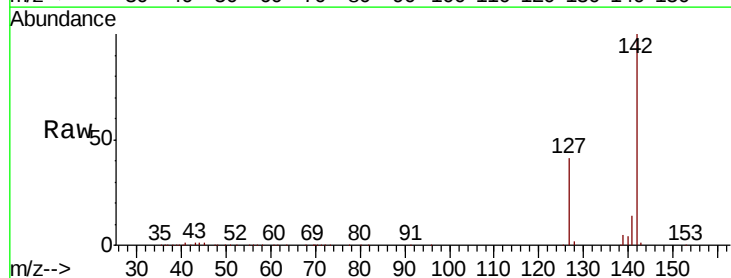
RT: 2.51 min Scan# 222

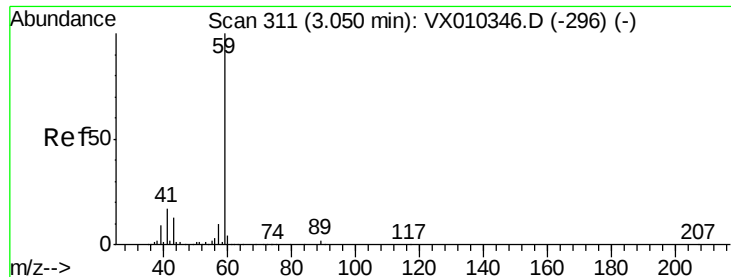
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	142	Resp:	81221
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.1	46.7
141	14.6	11.2	16.8





#11

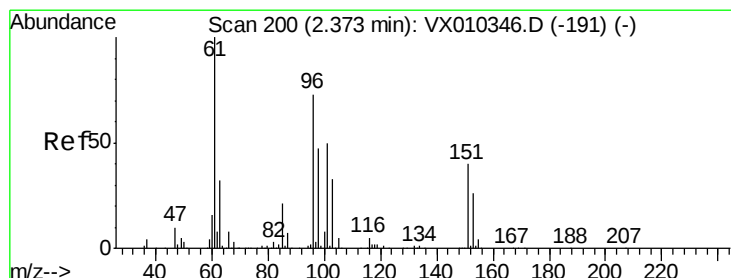
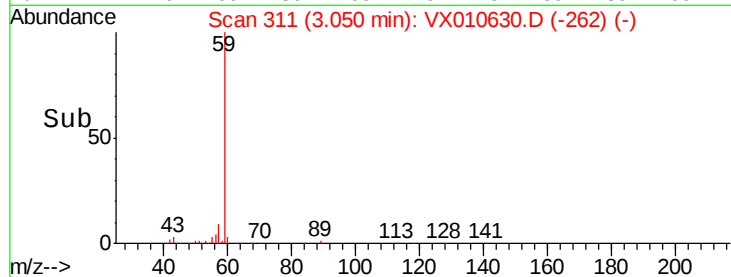
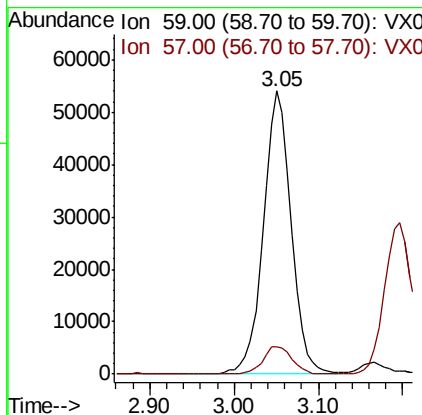
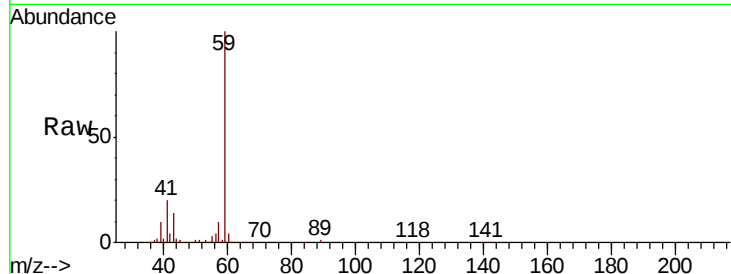
Tert butyl alcohol
Concen: 240.386 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	59	57	Ratio	100	10.3	Resp	Lower	Upper
123139								
							7.7	11.5

Manual Integrations
APPROVED

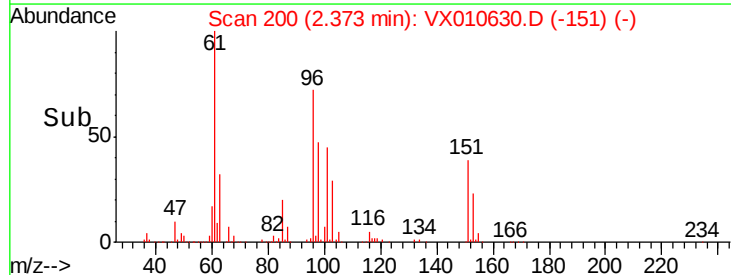
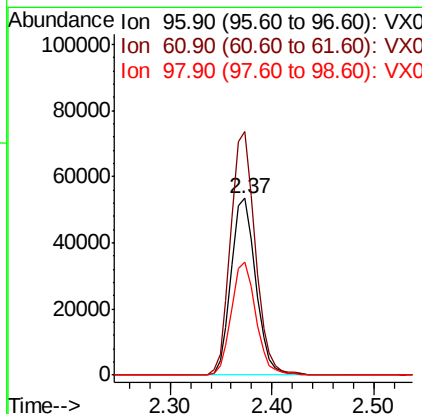
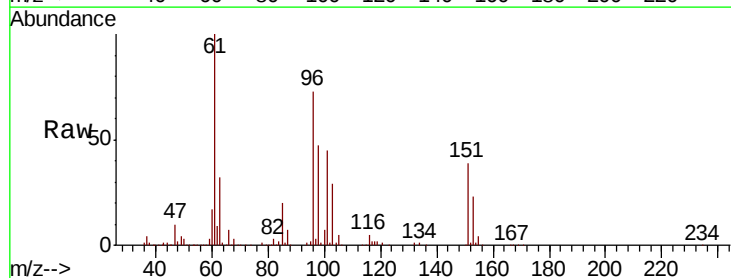
MMDadoda
7/3/2019 9:29:54 AM

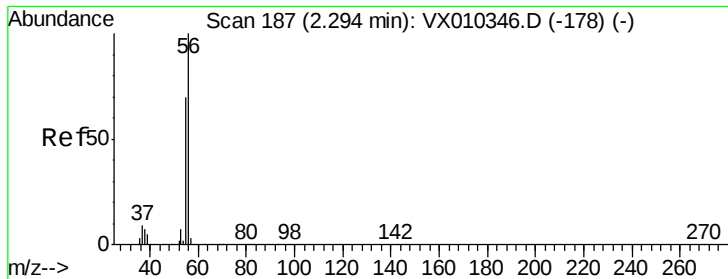


#12

1,1-Dichloroethene
Concen: 49.316 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	96	61	98	Ratio	100	137.9	64.3	Resp	Lower	Upper
89252										
									109.2	163.8
									51.1	76.7





#13

Acrolein

Concen: 288.587 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 56 Resp: 98067

Ion Ratio Lower Upper

56 100

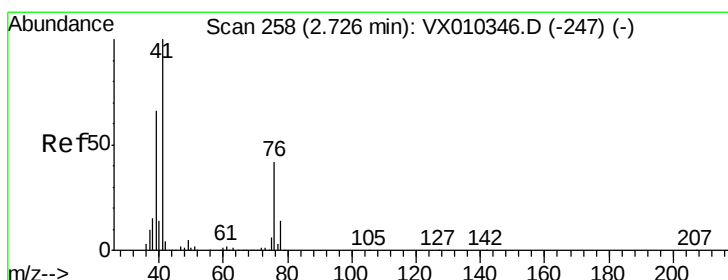
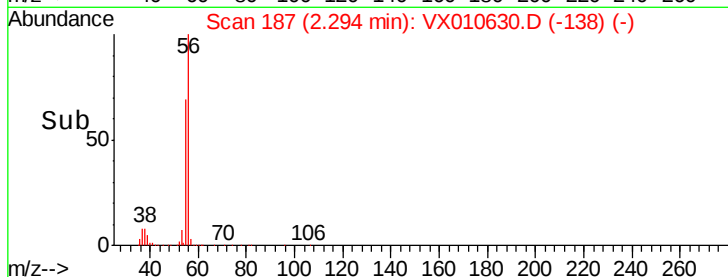
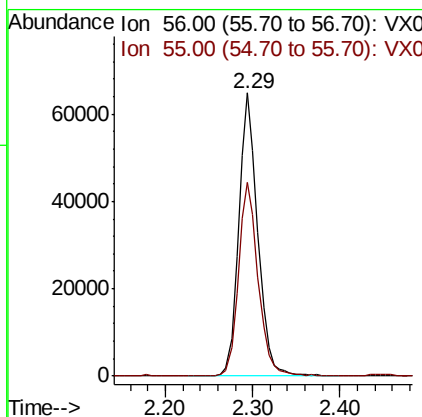
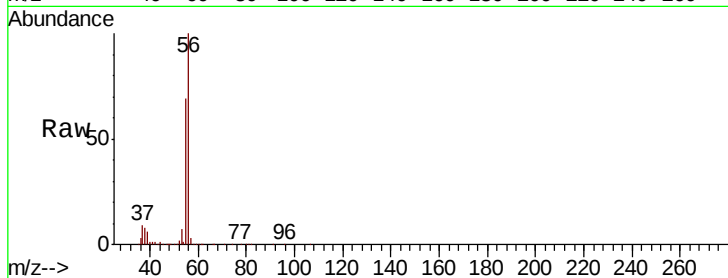
55 70.9 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#14

Allyl chloride

Concen: 51.807 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

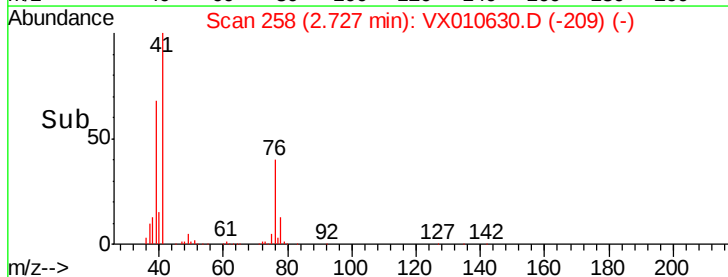
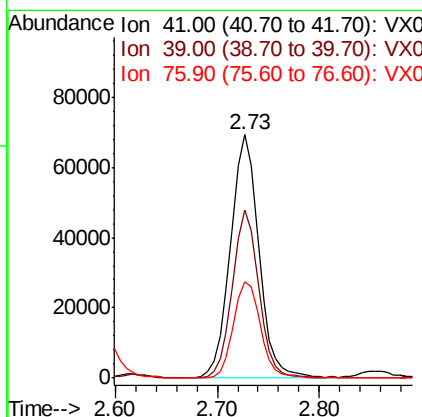
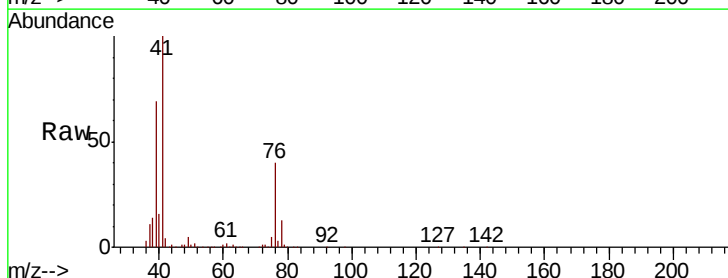
Tgt Ion: 41 Resp: 133112

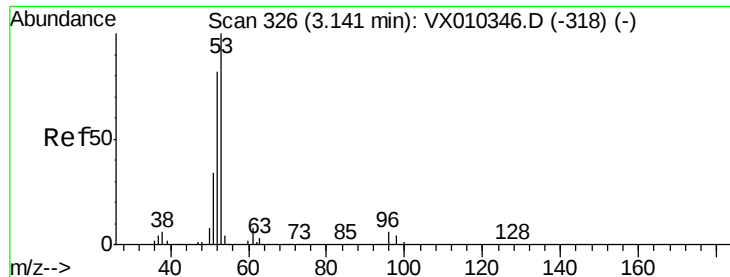
Ion Ratio Lower Upper

41 100

39 64.1 50.3 75.5

76 37.6 31.3 46.9





#15

Acrylonitrile

Concen: 280.985 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

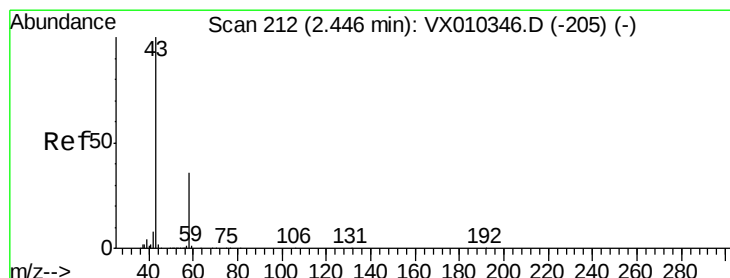
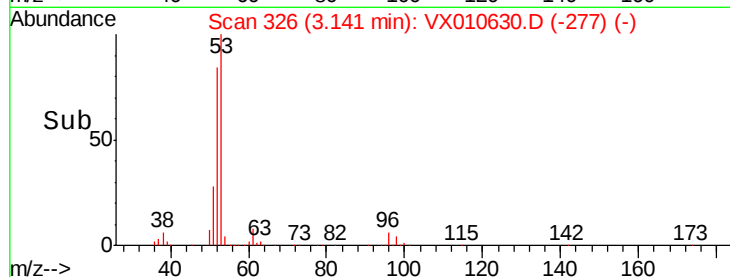
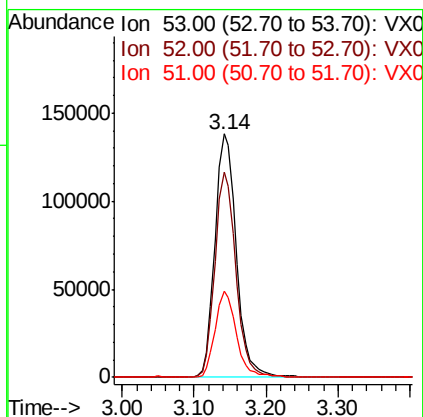
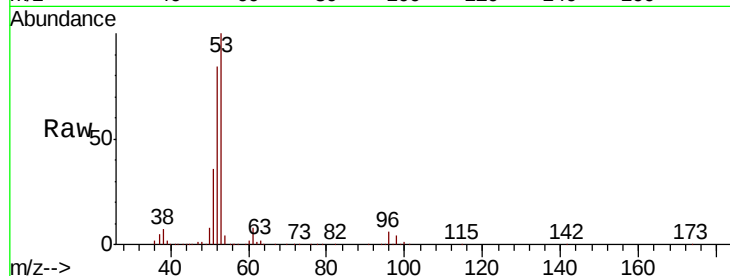
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	53	Resp:	284978
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.5	98.3
51	35.1	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#16

Acetone

Concen: 232.230 ug/l

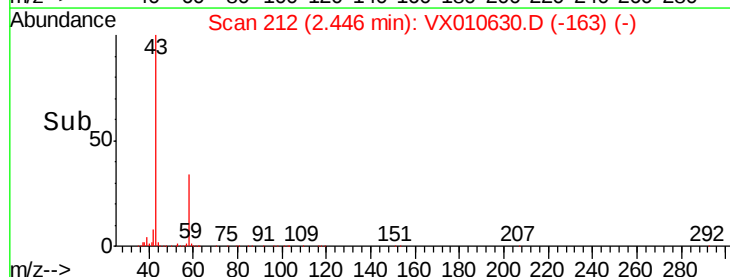
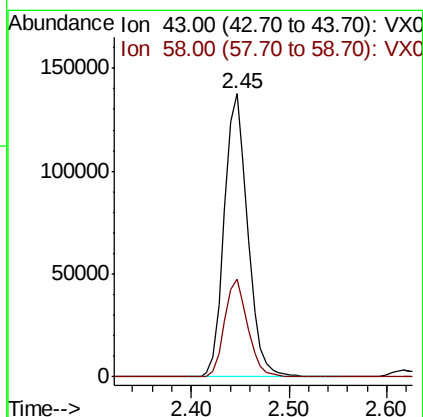
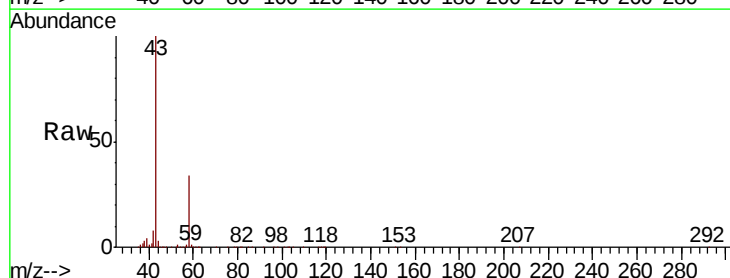
RT: 2.45 min Scan# 212

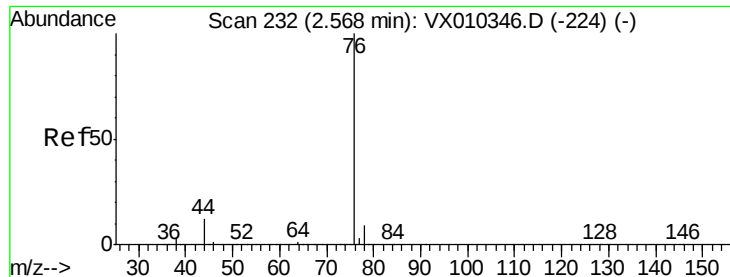
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	43	Resp:	227845
Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.9	43.3





#17

Carbon Disulfide

Concen: 42.062 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 76 Resp: 204227

Ion Ratio Lower Upper

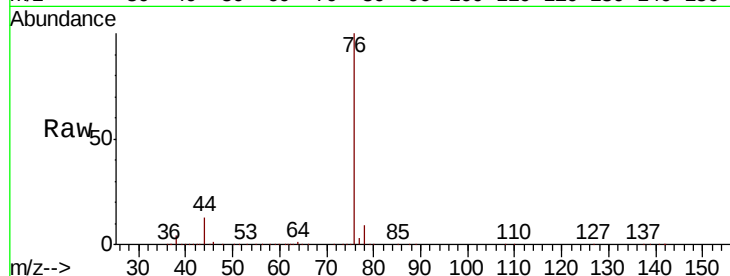
76 100

78 9.1 7.3 10.9

Manual Integrations
APPROVED

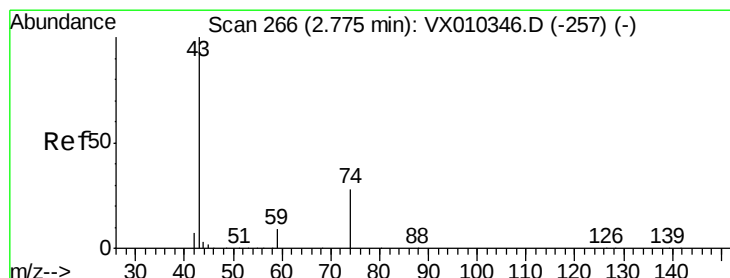
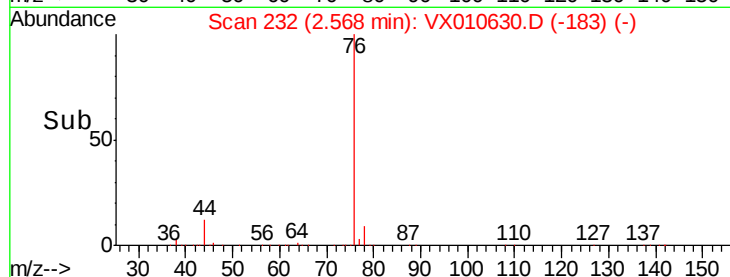
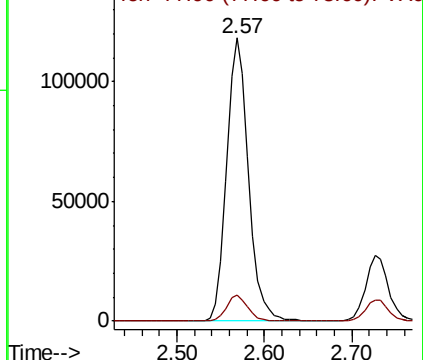
MMDadoda

7/3/2019 9:29:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.125 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010630.D

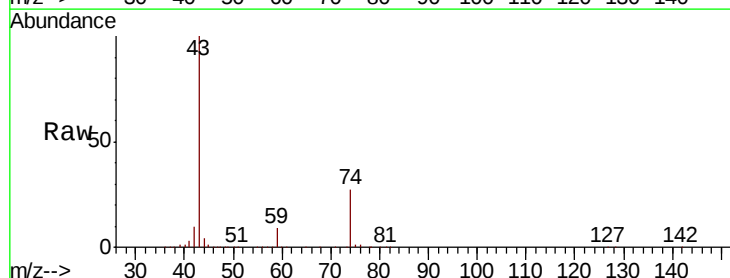
Acq: 02 Jul 2019 20:17

Tgt Ion: 43 Resp: 101926

Ion Ratio Lower Upper

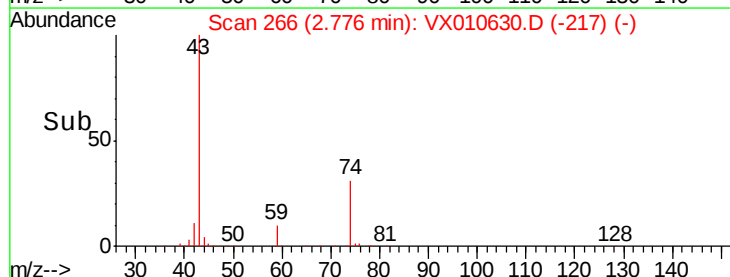
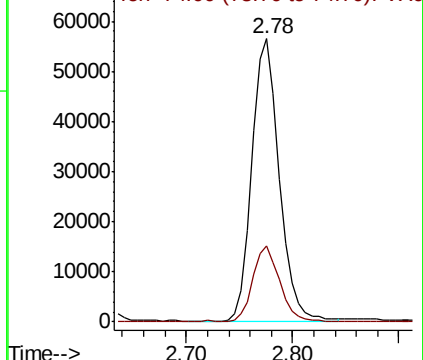
43 100

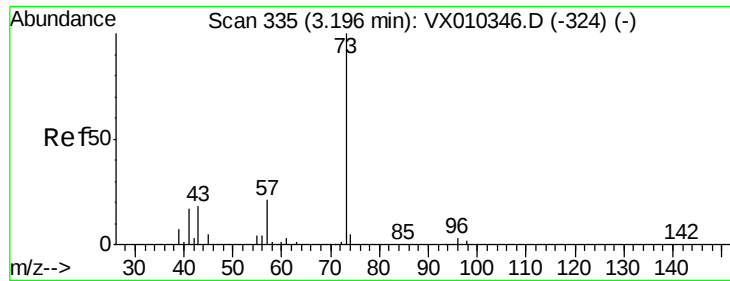
74 27.1 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





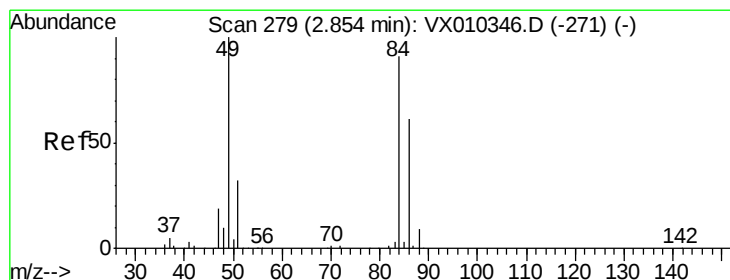
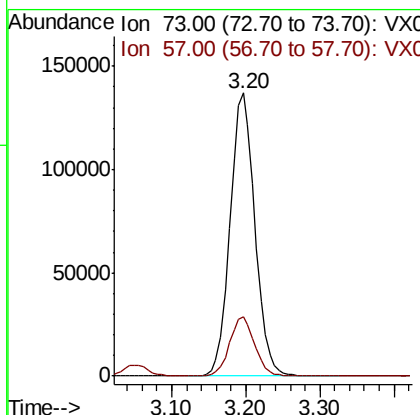
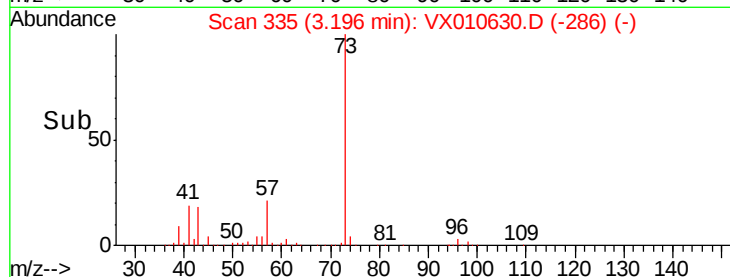
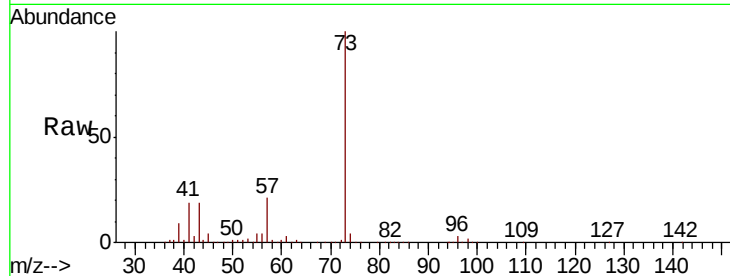
#19
Methyl tert-butyl Ether
Concen: 56.112 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion: 73 Resp: 319469
Ion Ratio Lower Upper
73 100
57 21.0 16.4 24.6

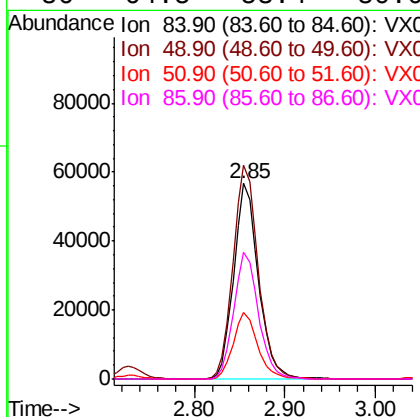
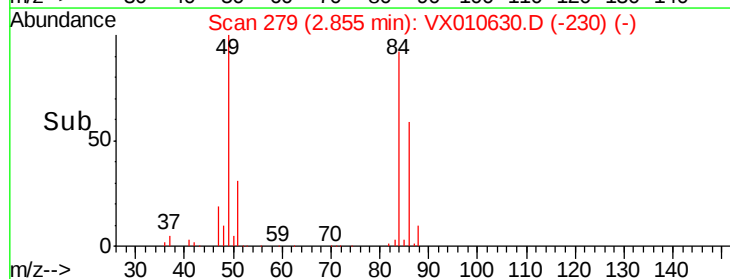
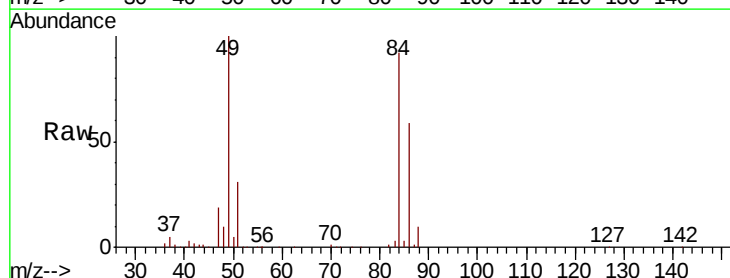
Manual Integrations
APPROVED

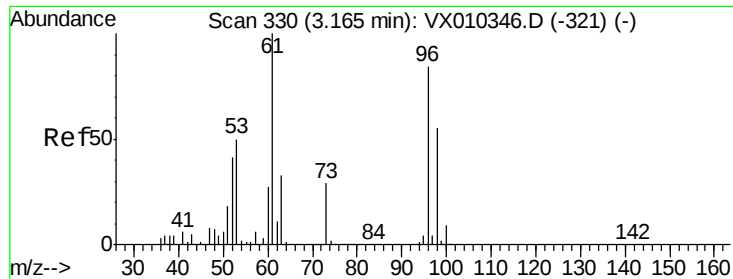
MMDadoda
7/3/2019 9:29:54 AM



#20
Methylene Chloride
Concen: 53.024 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion: 84 Resp: 107061
Ion Ratio Lower Upper
84 100
49 108.9 87.5 131.3
51 33.9 27.7 41.5
86 64.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 49.656 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

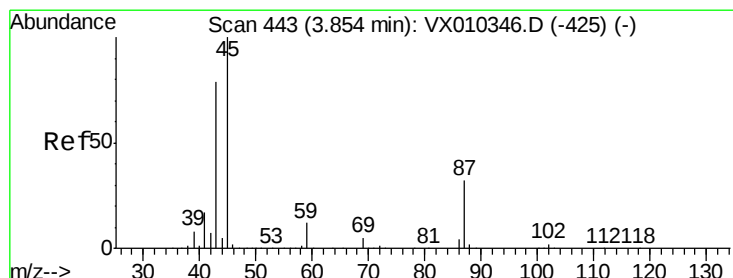
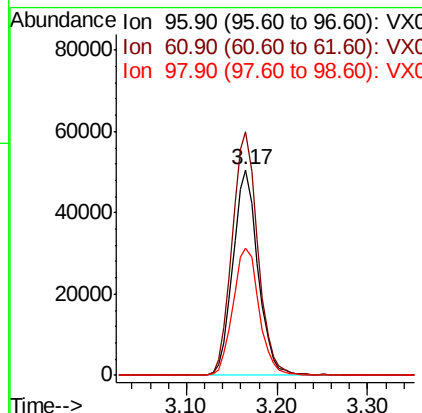
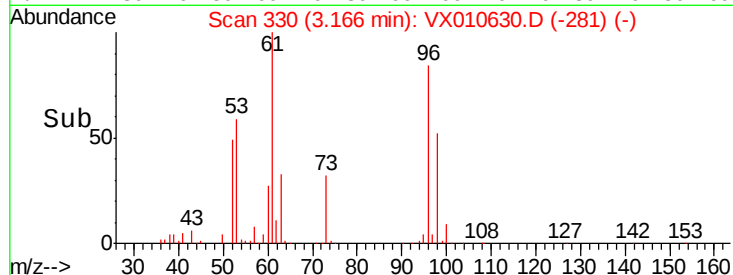
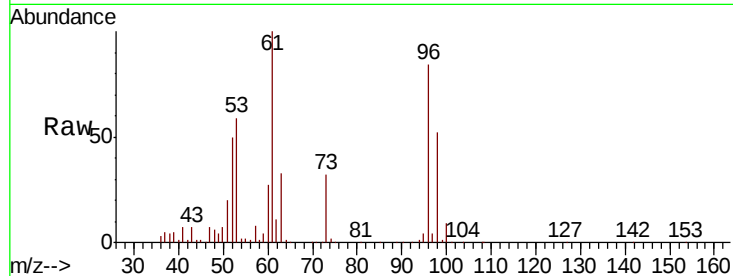
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	96	Resp:	96652
Ion	Ratio	Lower	Upper
96	100		
61	118.4	95.6	143.4
98	61.7	52.5	78.7

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#22

Diisopropyl ether

Concen: 55.038 ug/l

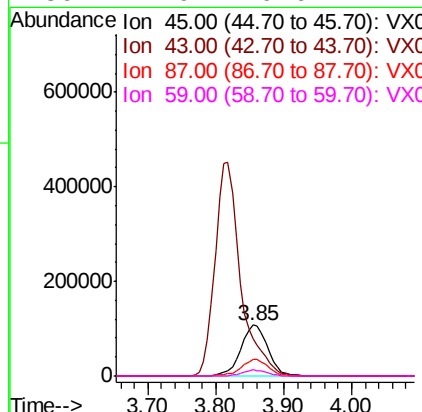
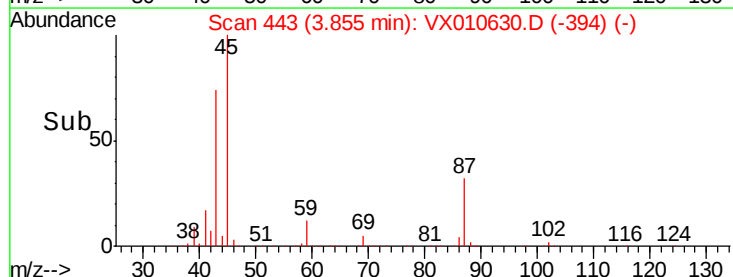
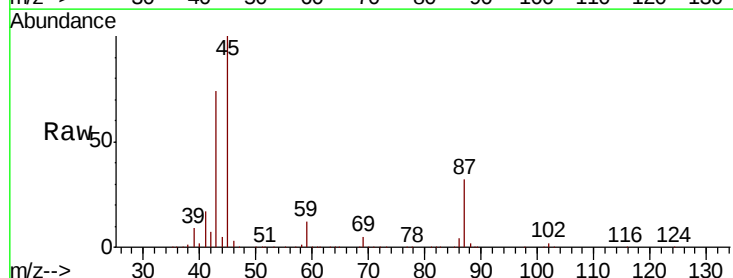
RT: 3.85 min Scan# 443

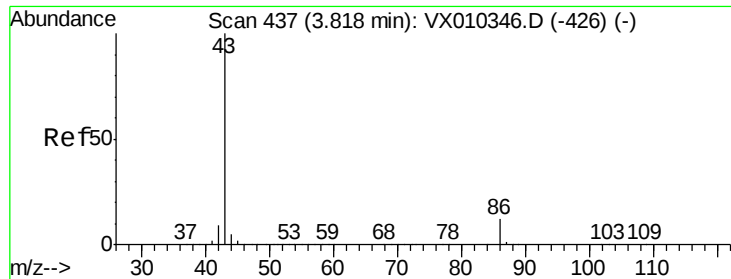
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	45	Resp:	295666
Ion	Ratio	Lower	Upper
45	100		
43	73.4	63.3	94.9
87	31.8	25.8	38.8
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 255.245 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 43 Resp: 1184544

Ion Ratio Lower Upper

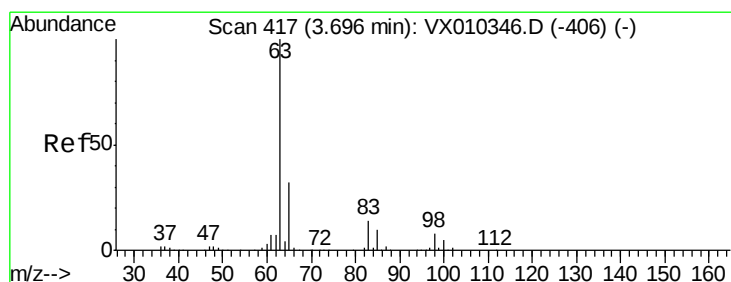
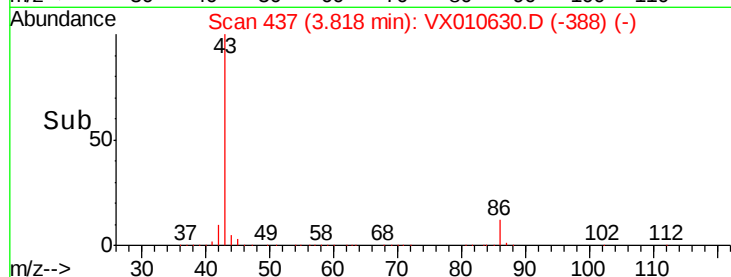
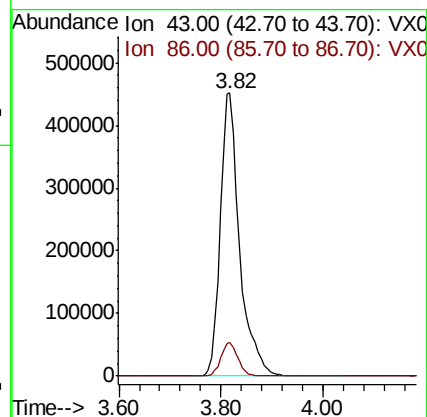
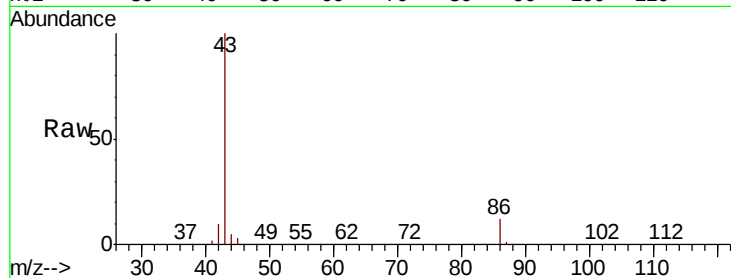
43 100

86 12.0 9.9 14.9

Manual Integrations
APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#24

1,1-Dichloroethane

Concen: 54.083 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

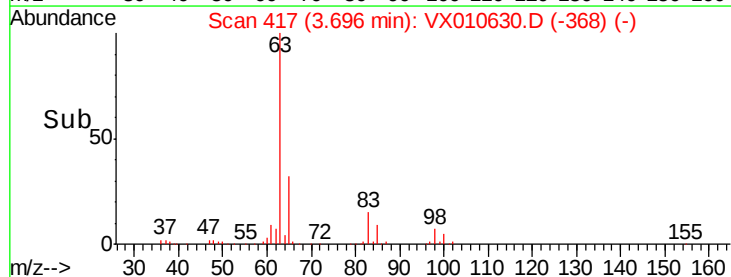
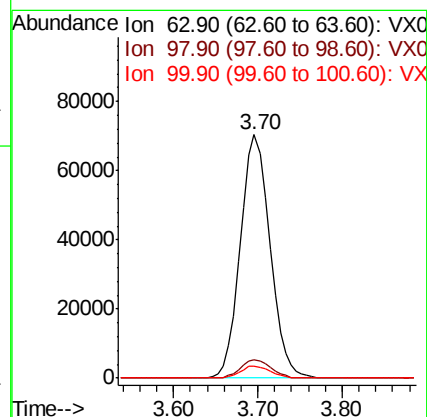
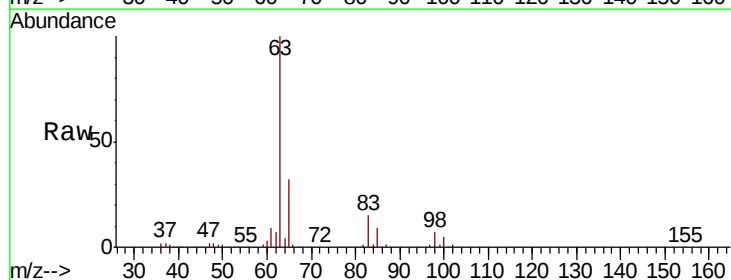
Tgt Ion: 63 Resp: 167940

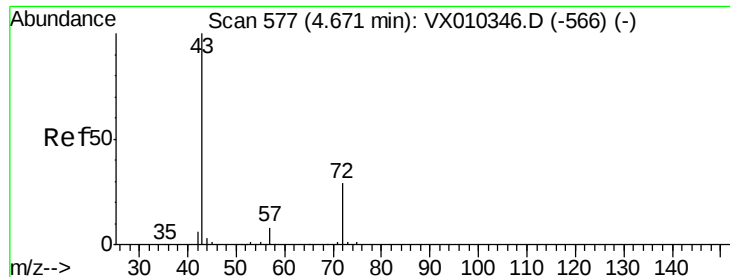
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 264.640 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 43 Resp: 380864

Ion Ratio Lower Upper

43 100

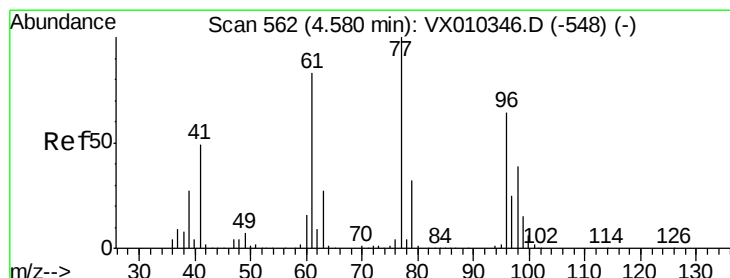
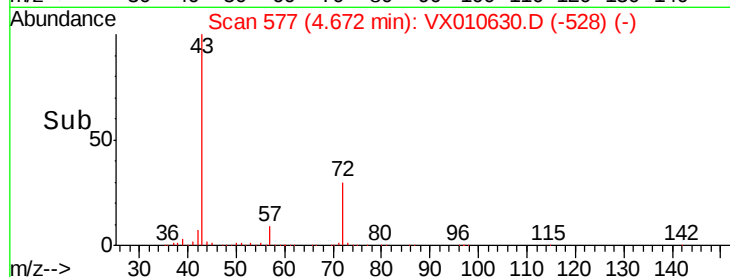
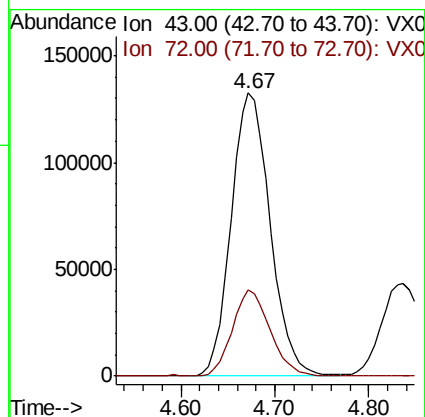
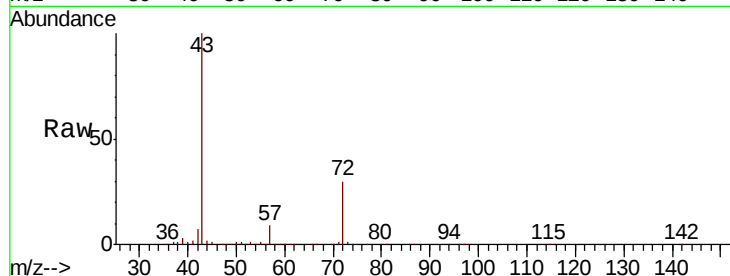
72 30.2 23.3 34.9

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#26

2,2-Dichloropropane

Concen: 40.563 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010630.D

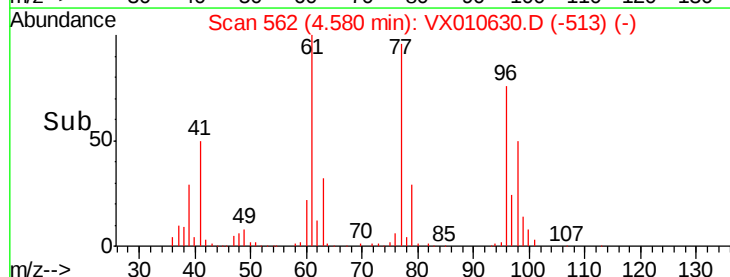
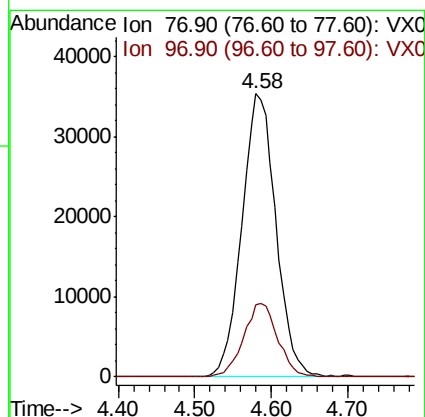
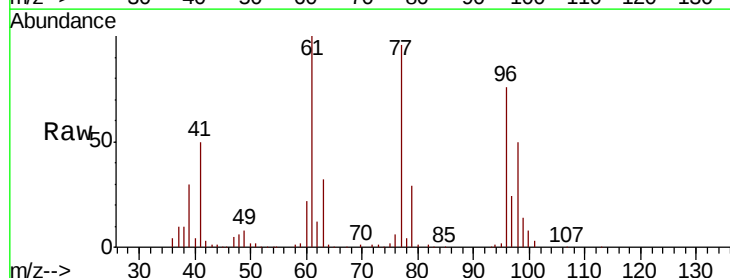
Acq: 02 Jul 2019 20:17

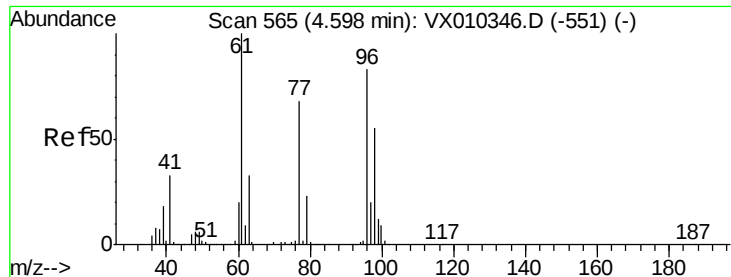
Tgt Ion: 77 Resp: 109417

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

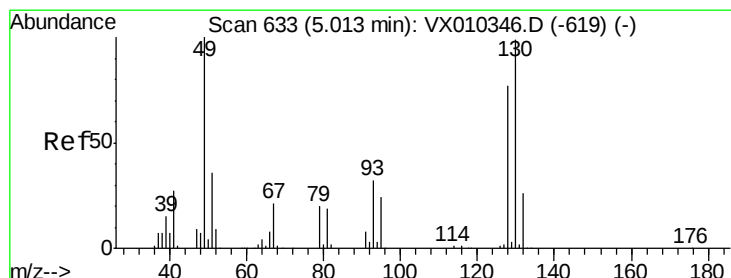
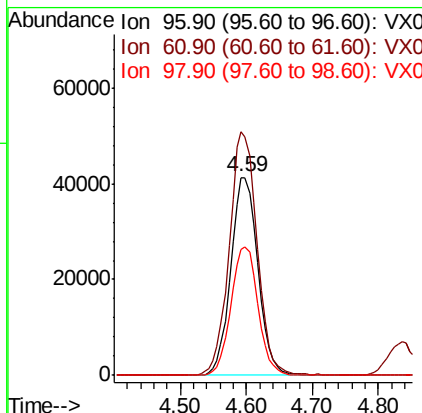
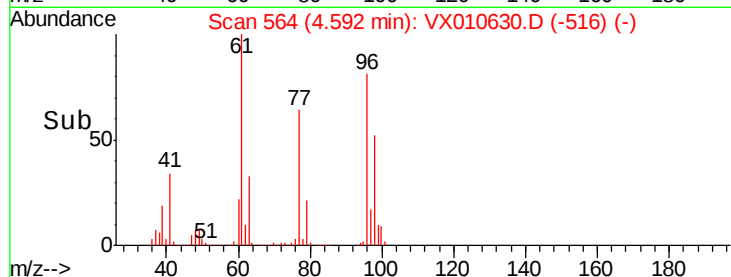
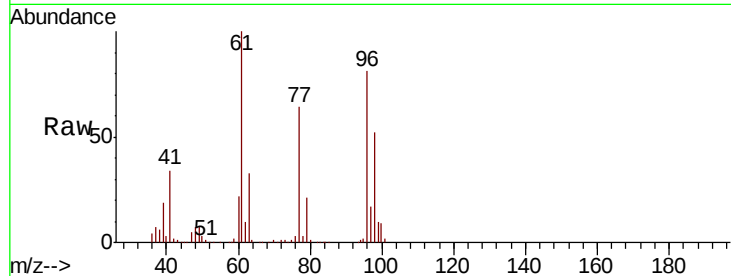
cis-1,2-Dichloroethene
Concen: 52.218 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	117453		
61	126.1	0.0	251.8	
98	64.9	0.0	129.4	

Manual Integrations
APPROVED

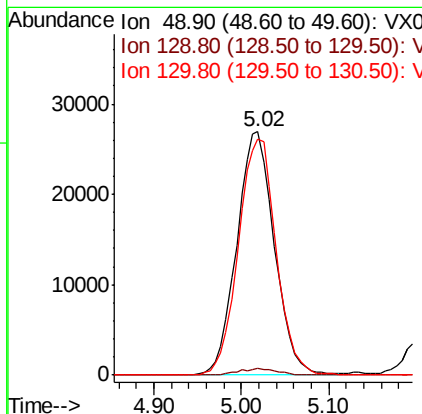
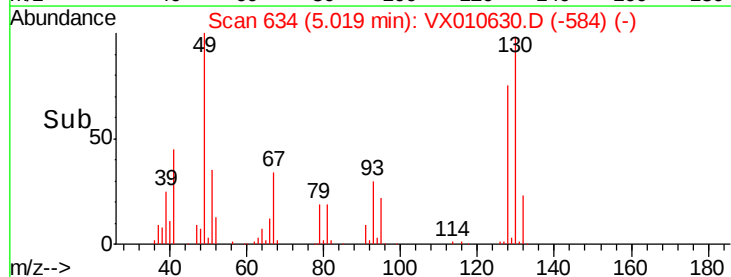
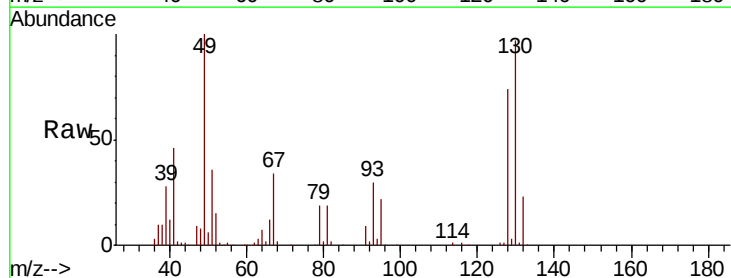
MMDadoda
7/3/2019 9:29:54 AM

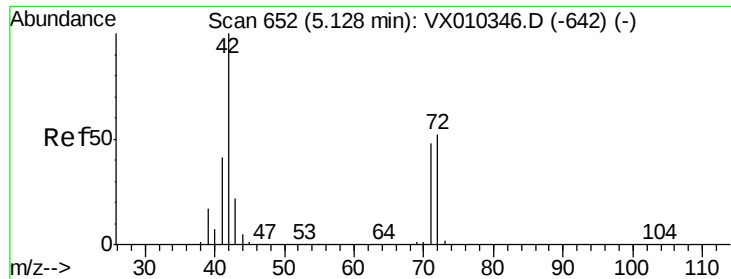


#28

Bromochloromethane
Concen: 54.238 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	80525		
129	2.7	0.0	5.6	
130	97.3	81.4	122.0	





#29

Tetrahydrofuran

Concen: 276.803 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

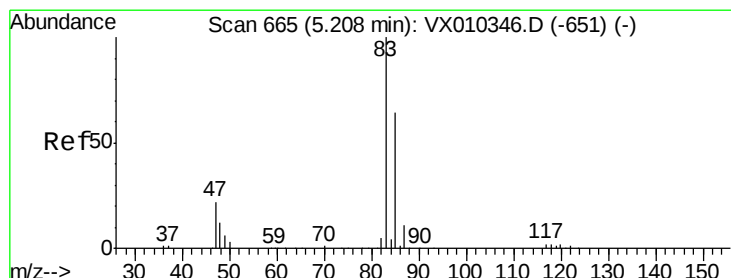
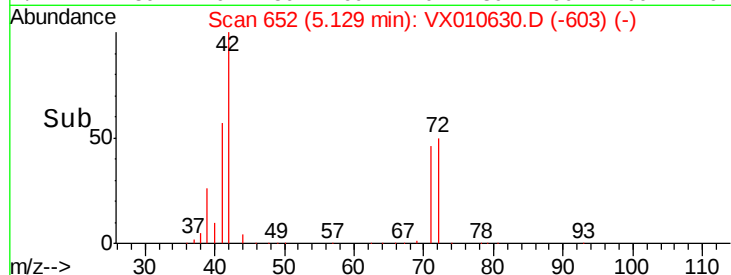
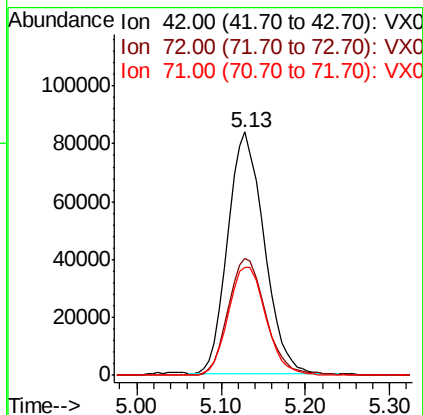
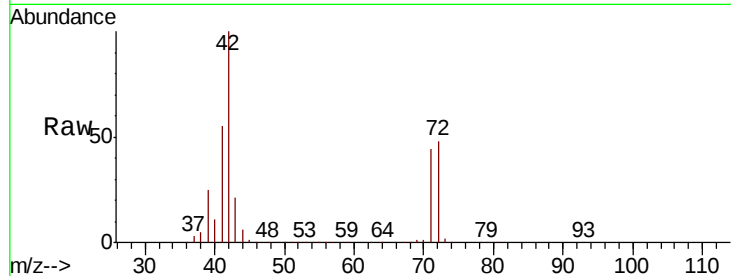
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	42	Resp:	246753
Ion Ratio	Lower	Upper	
42	100		
72	49.8	40.6	60.8
71	46.4	37.8	56.8

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#30

Chloroform

Concen: 54.484 ug/l

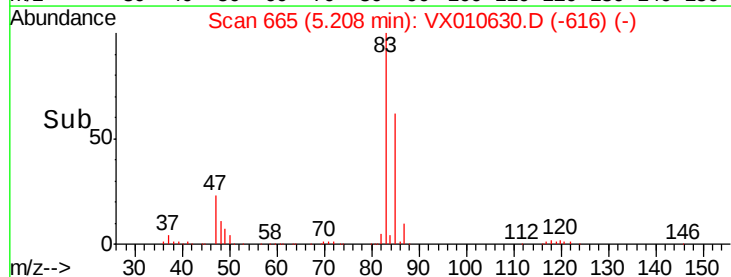
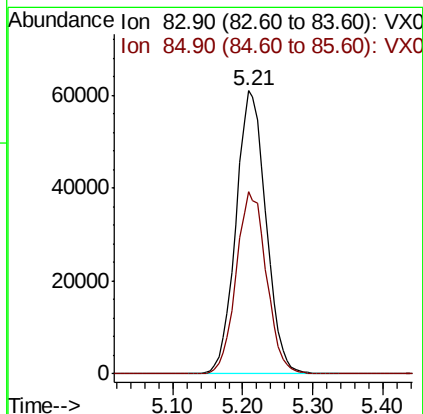
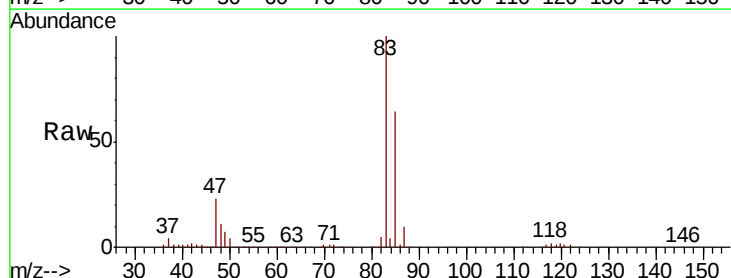
RT: 5.21 min Scan# 665

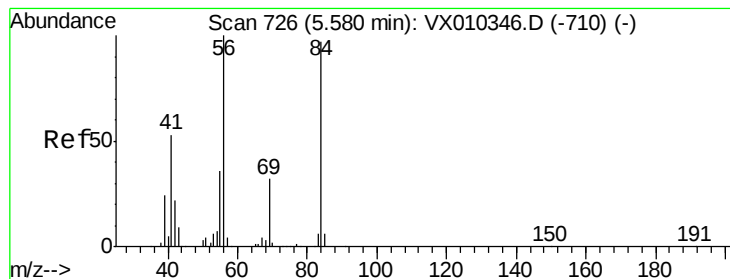
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	83	Resp:	182033
Ion Ratio	Lower	Upper	
83	100		
85	64.3	50.9	76.3





#31

Cyclohexane

Concen: 45.034 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

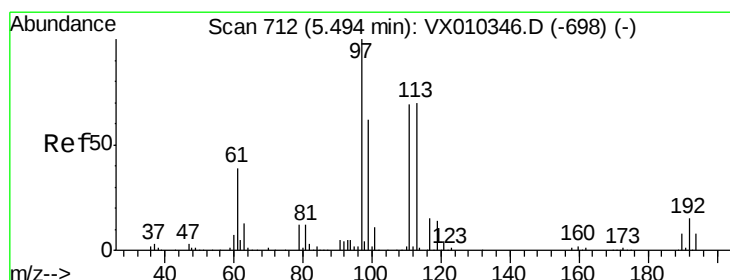
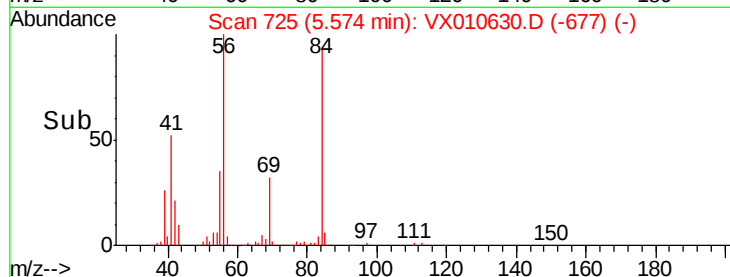
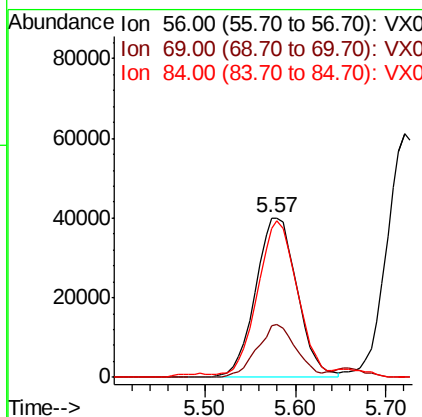
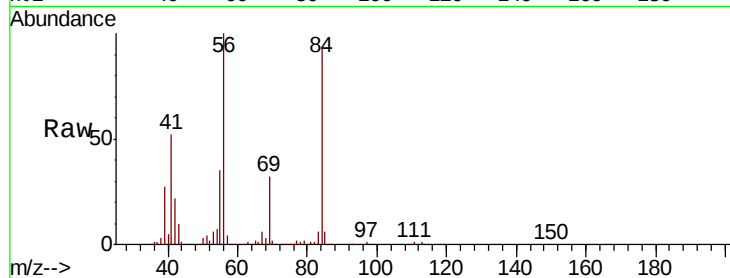
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	56	Resp:	127344
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.9	38.9
84	91.3	78.0	117.0

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#32

1,1,1-Trichloroethane

Concen: 52.813 ug/l

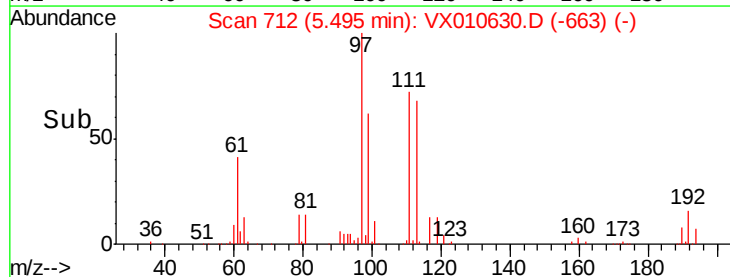
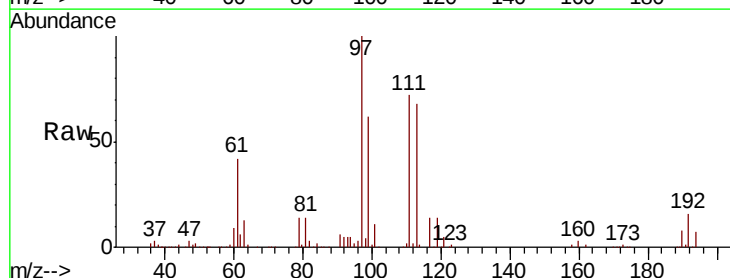
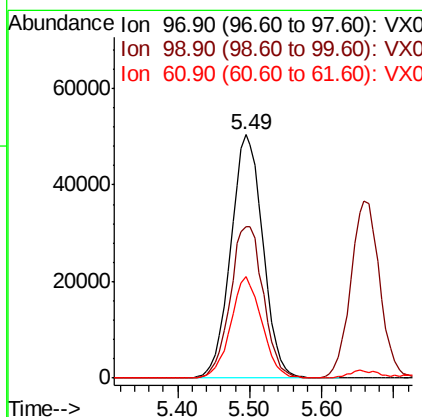
RT: 5.49 min Scan# 712

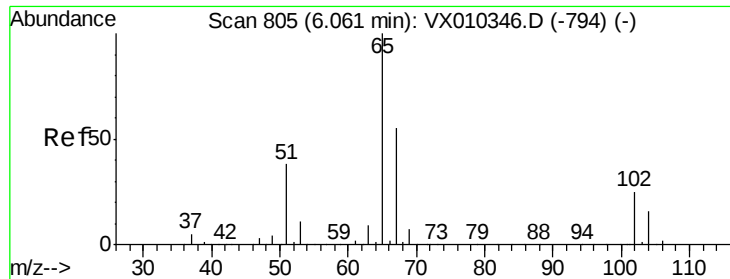
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	97	Resp:	155804
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	40.4	32.1	48.1





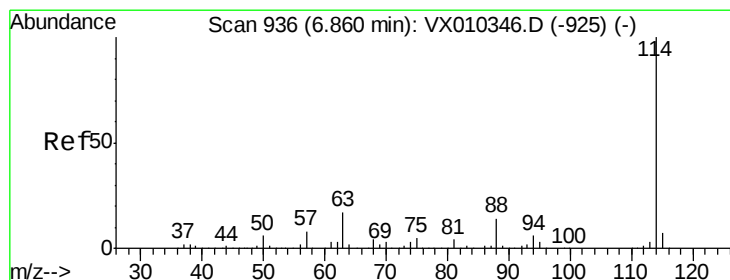
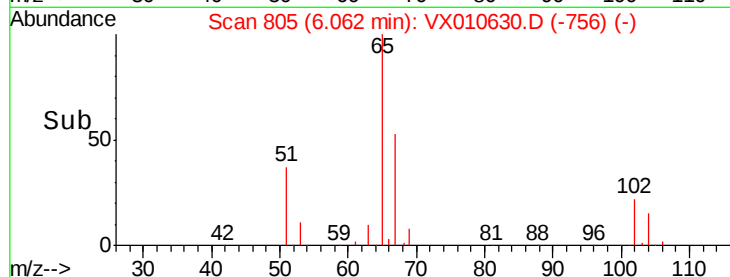
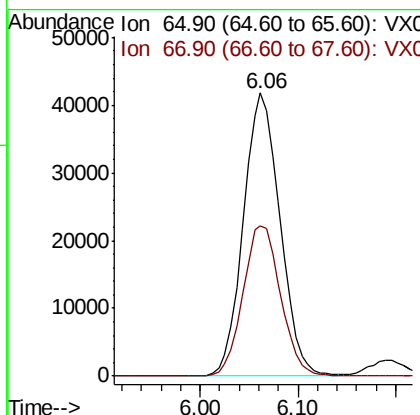
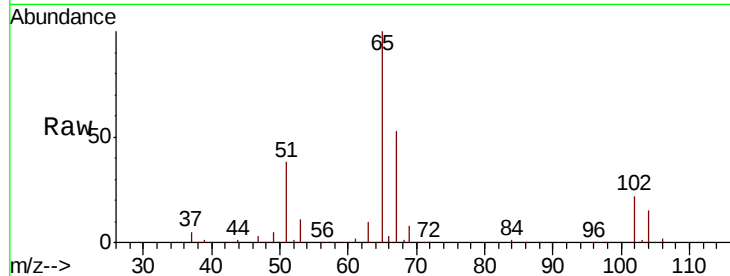
#33
 1,2-Dichloroethane-d4
 Concen: 55.537 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	110.2

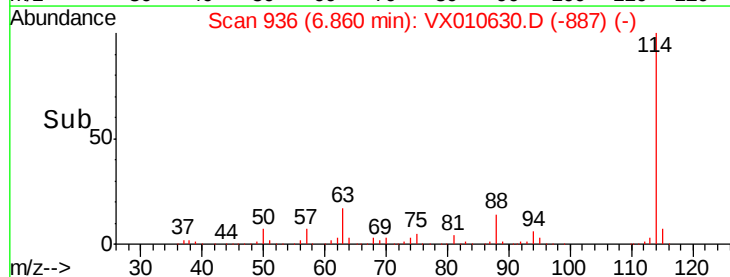
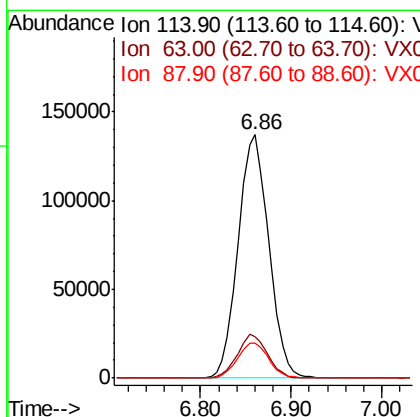
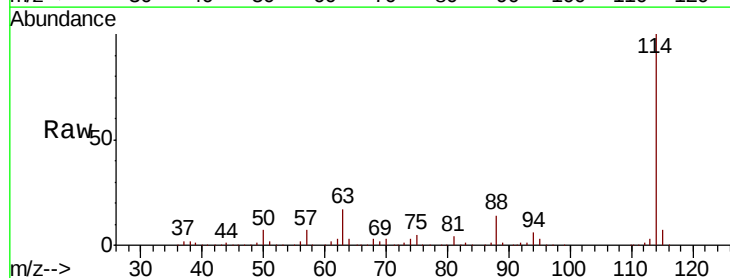
Manual Integrations
 APPROVED

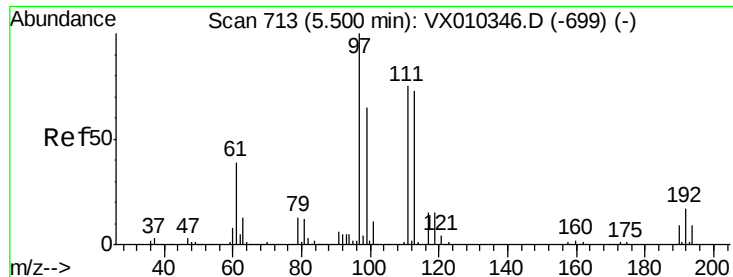
MMDadoda
 7/3/2019 9:29:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	33.8
88	14.1	0.0	27.6





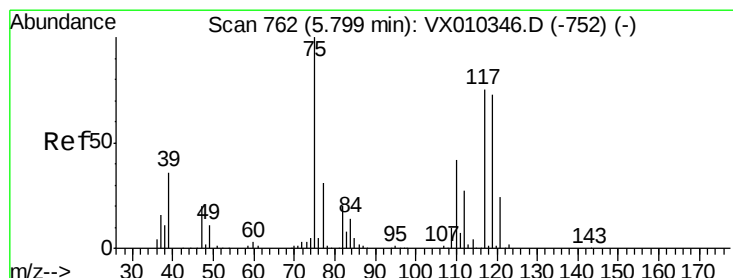
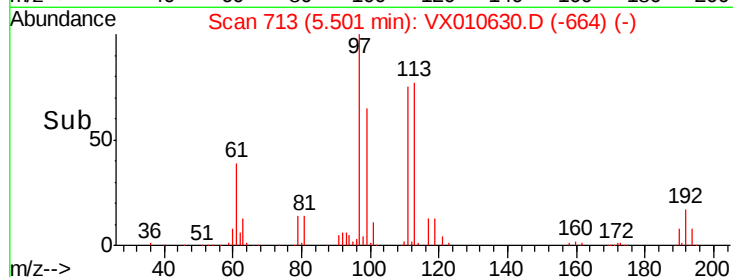
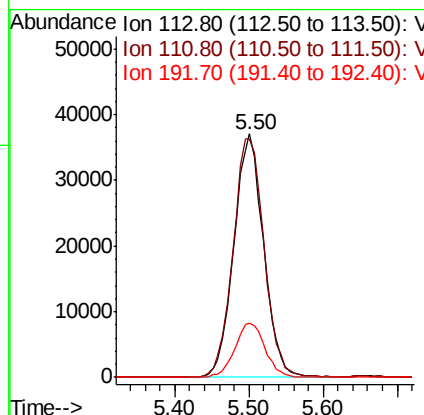
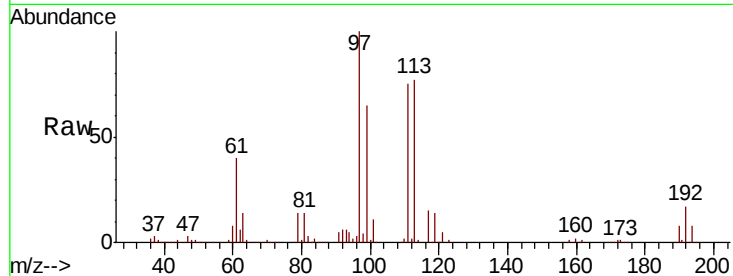
#35
 Dibromofluoromethane
 Concen: 52.539 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103711		
111	102.5	81.2	121.8	
192	22.7	18.6	27.8	

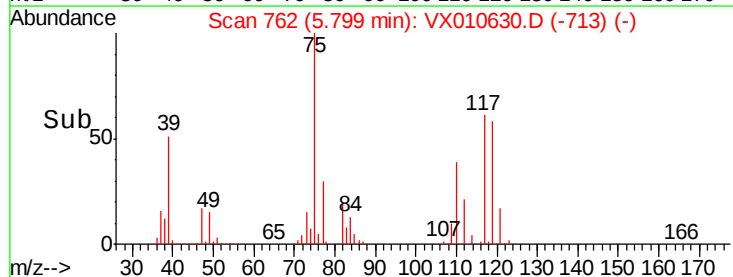
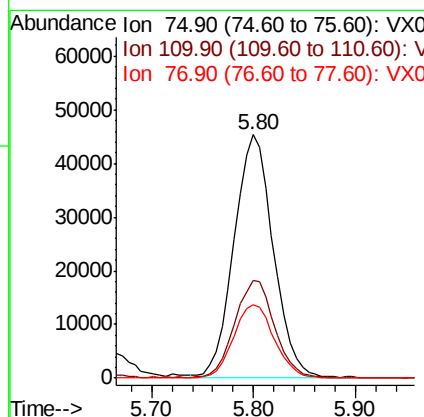
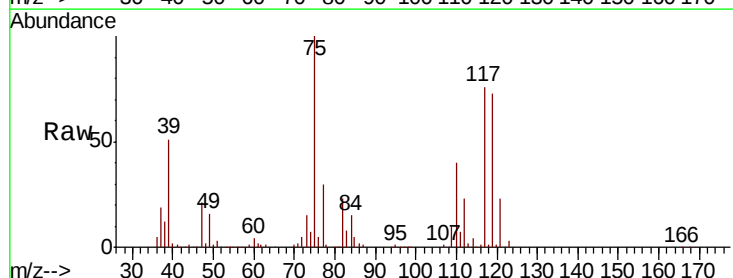
Manual Integrations
 APPROVED

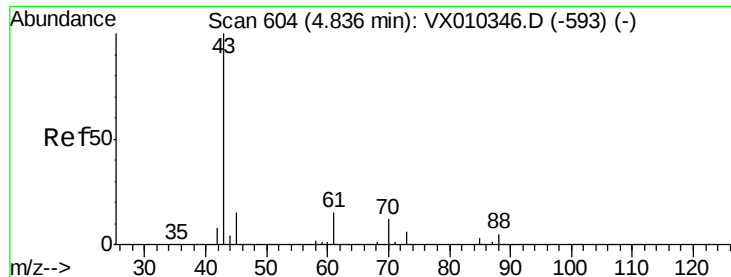
MMDadoda
 7/3/2019 9:29:54 AM



#36
 1,1-Dichloropropene
 Concen: 46.880 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120191		
110	41.2	20.8	62.2	
77	31.7	25.4	38.0	





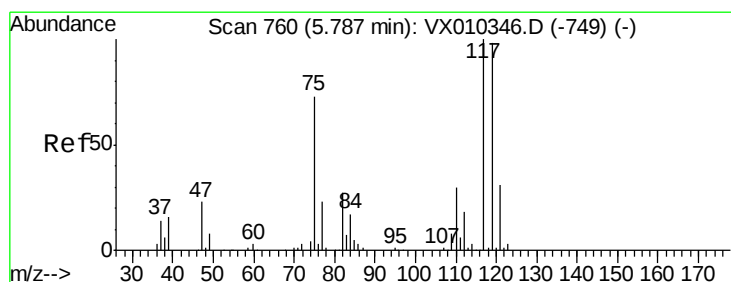
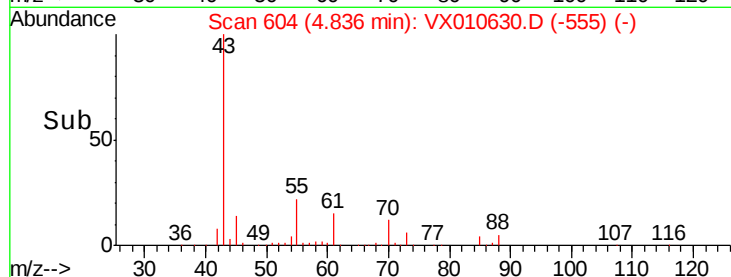
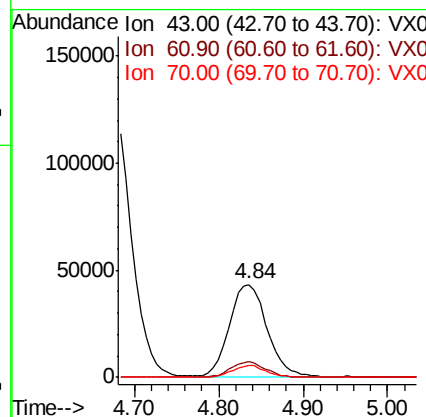
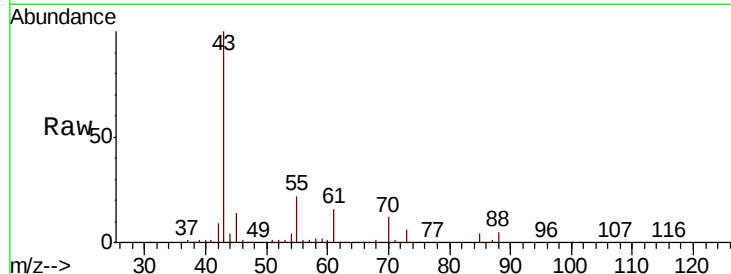
#37
Ethyl Acetate
Concen: 49.812 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.4	18.6
70	11.7	9.8	14.8

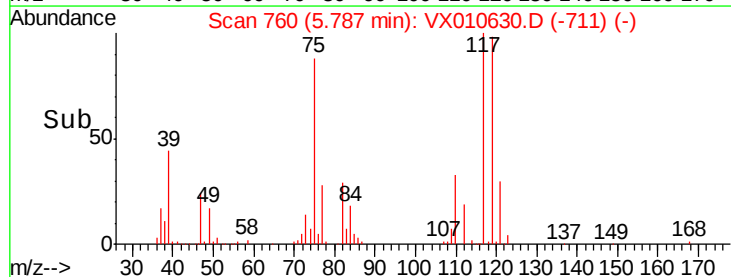
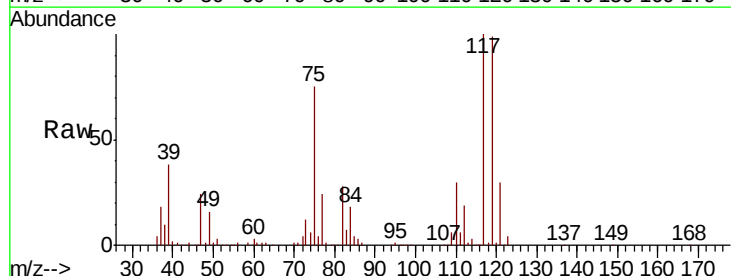
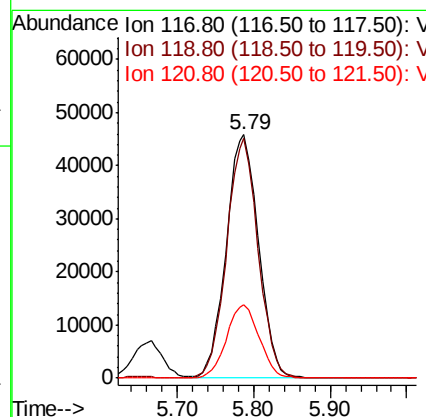
Manual Integrations
APPROVED

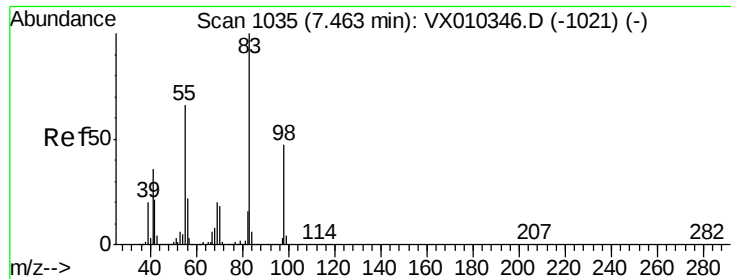
MMDadoda
7/3/2019 9:29:54 AM



#38
Carbon Tetrachloride
Concen: 48.328 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	78.2	117.4
121	30.4	24.7	37.1





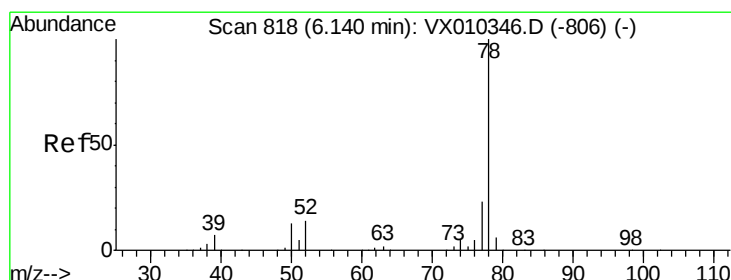
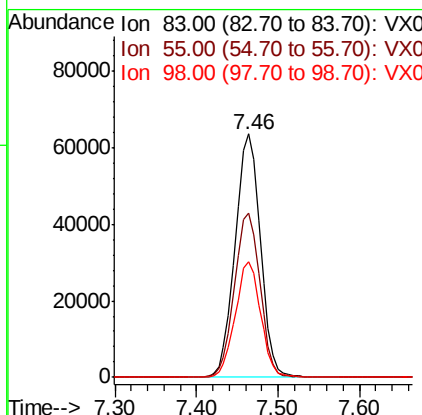
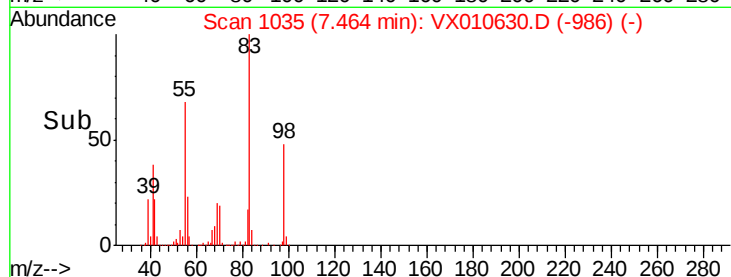
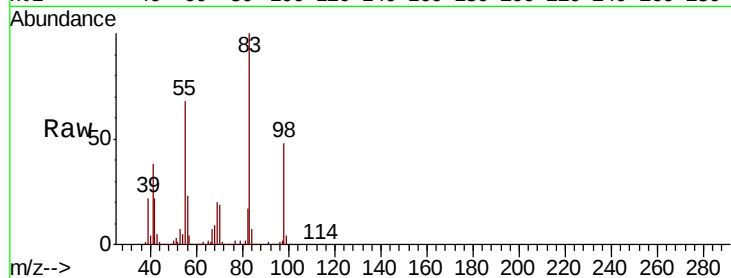
#39
Methvlcvclohexane
Concen: 40.315 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.5	53.0	79.6
98	47.5	37.8	56.8

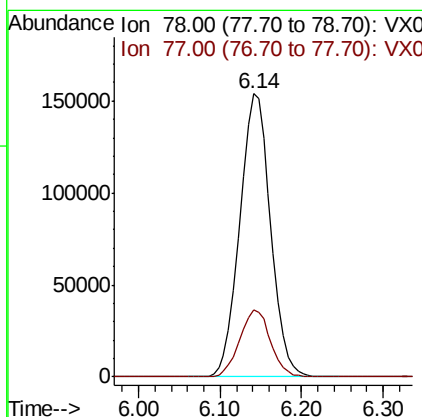
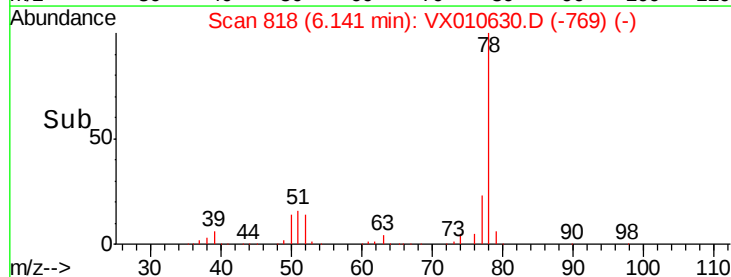
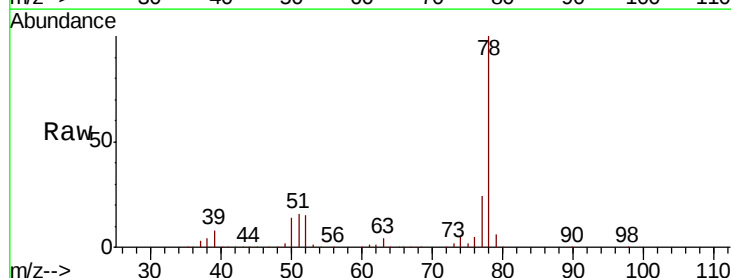
Manual Integrations
APPROVED

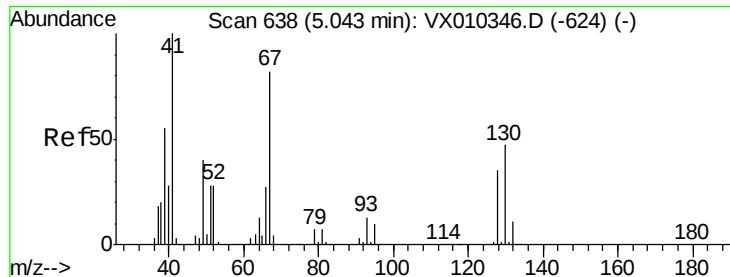
MMDadoda
7/3/2019 9:29:54 AM



#40
Benzene
Concen: 50.413 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	28.0





#41

Methacrylonitrile

Concen: 54.819 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 41 Resp: 79332

Ion Ratio Lower Upper

41 100

39 53.3 43.8 65.8

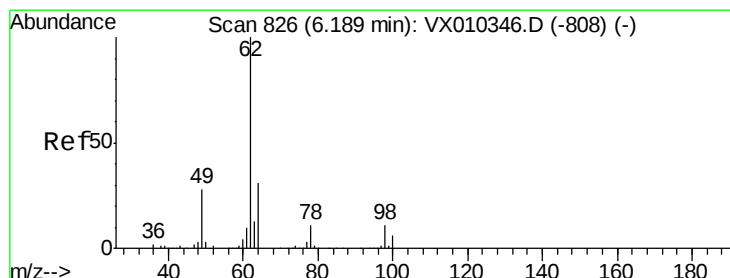
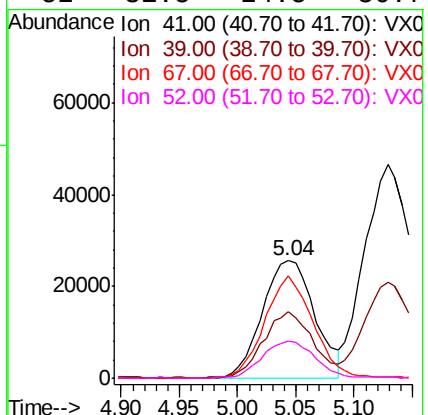
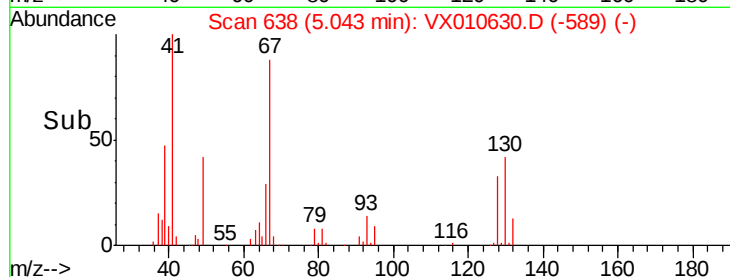
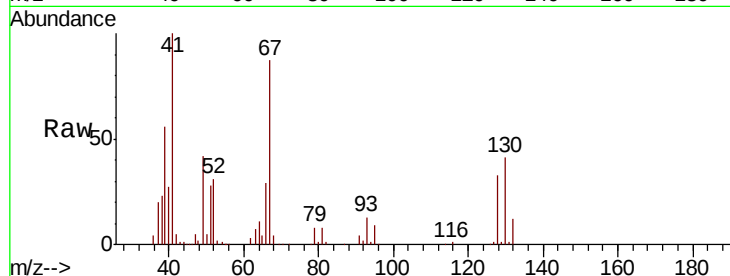
67 81.5 66.6 100.0

52 31.5 24.5 36.7

Manual Integrations
APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#42

1,2-Dichloroethane

Concen: 56.355 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010630.D

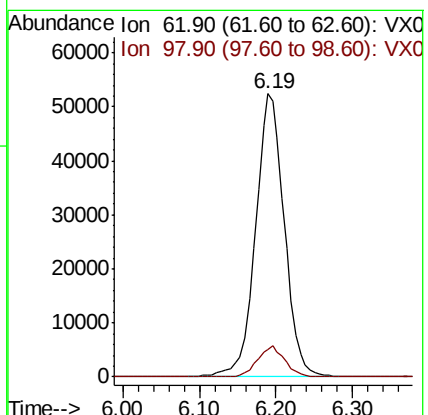
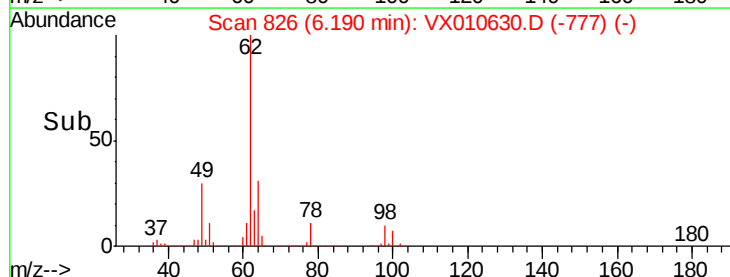
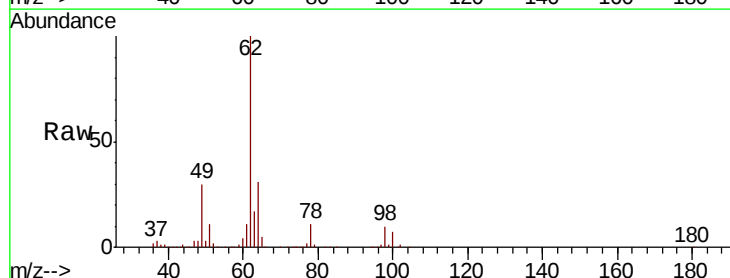
Acq: 02 Jul 2019 20:17

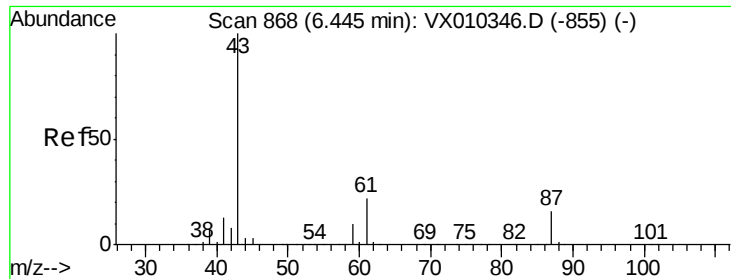
Tgt Ion: 62 Resp: 137022

Ion Ratio Lower Upper

62 100

98 10.3 0.0 22.2





#43

Isopropyl Acetate

Concen: 51.153 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

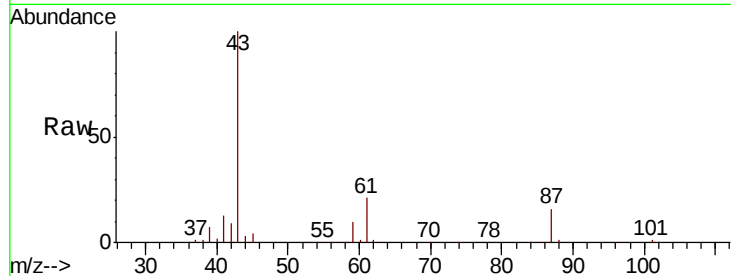
ClientSampleId :

MWHR2-6-070119MSD

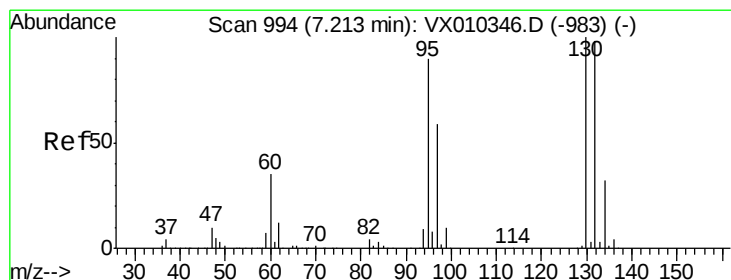
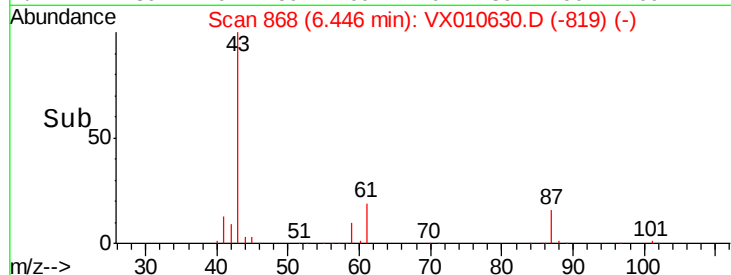
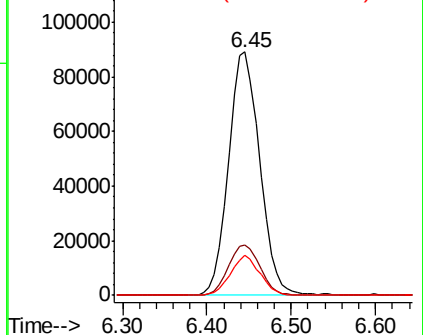
Tot Ion:	43	Resp:	223219
Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	15.6	13.0	19.4

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 47.768 ug/l

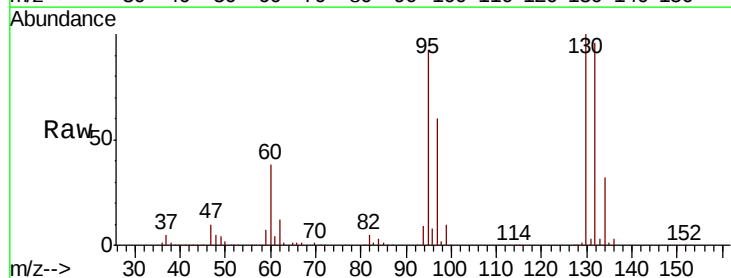
RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

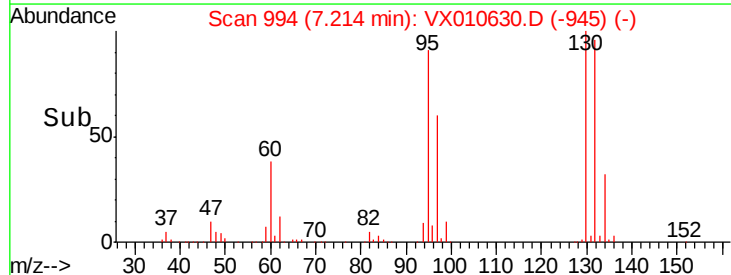
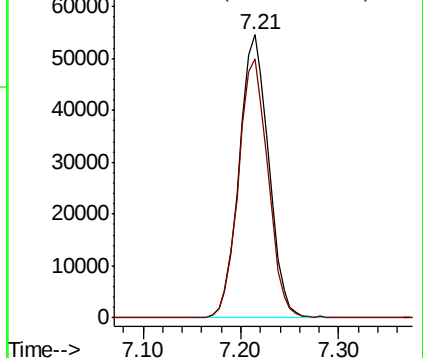
Lab File: VX010630.D

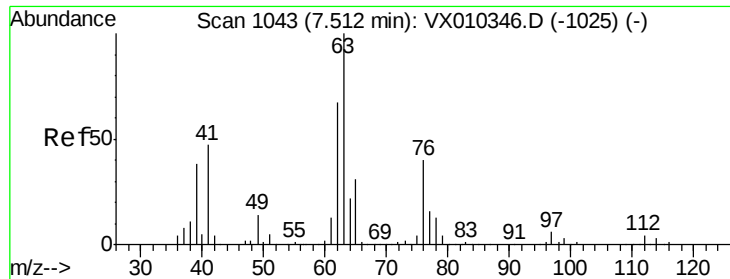
Acq: 02 Jul 2019 20:17

Tgt Ion:	130	Resp:	114168
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	180.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





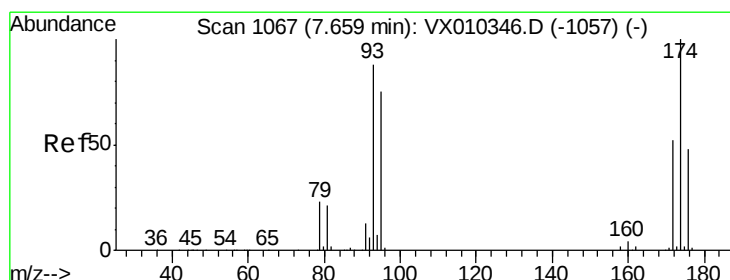
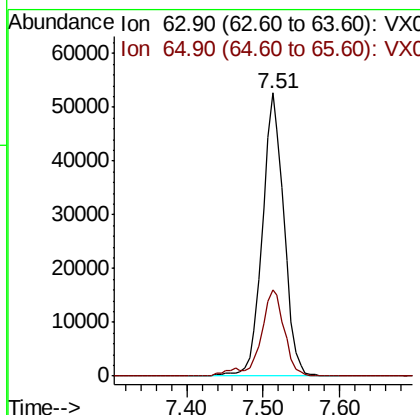
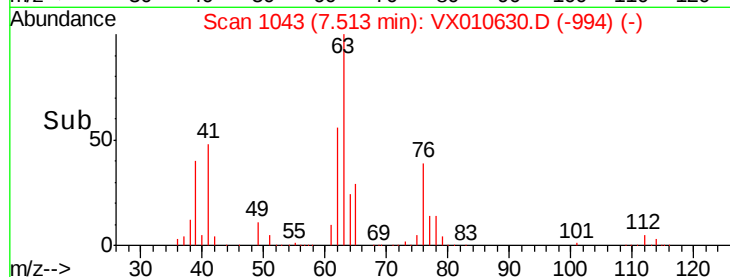
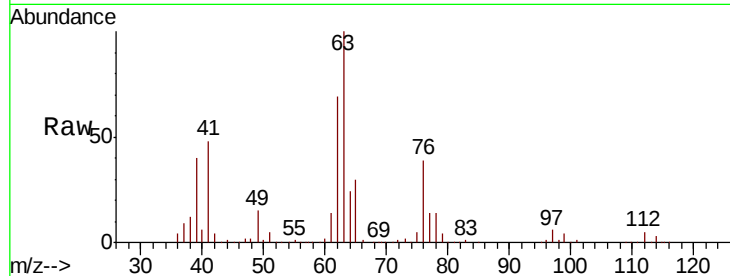
#45
 1,2-Dichloropropane
 Concen: 51.411 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion: 63 Resp: 103699
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2

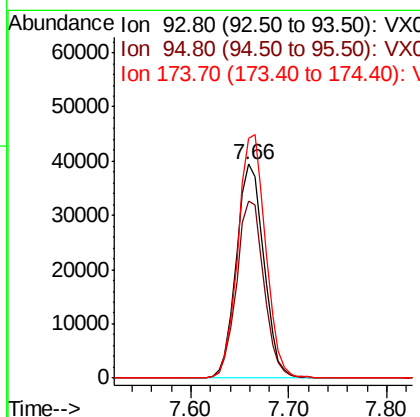
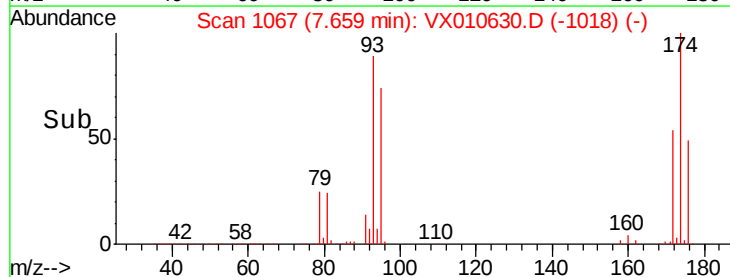
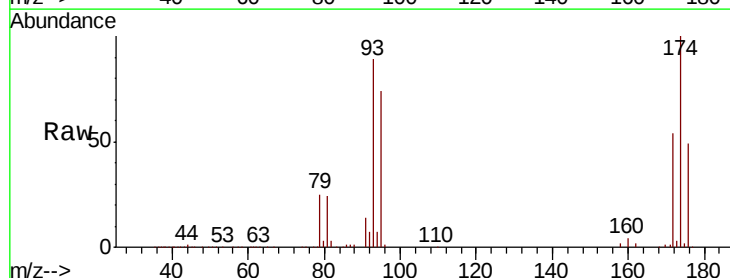
Manual Integrations
 APPROVED

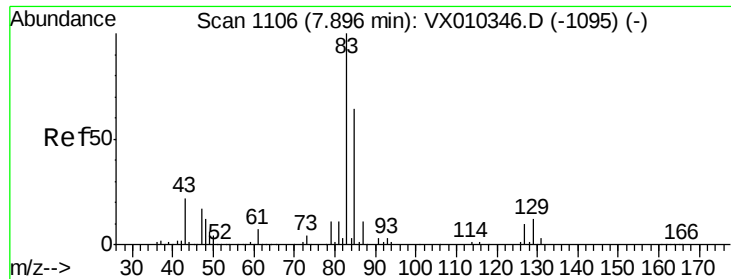
MMDadoda
 7/3/2019 9:29:54 AM



#46
 Dibromomethane
 Concen: 53.564 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion: 93 Resp: 77517
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.5 101.3
 174 114.2 95.8 143.6





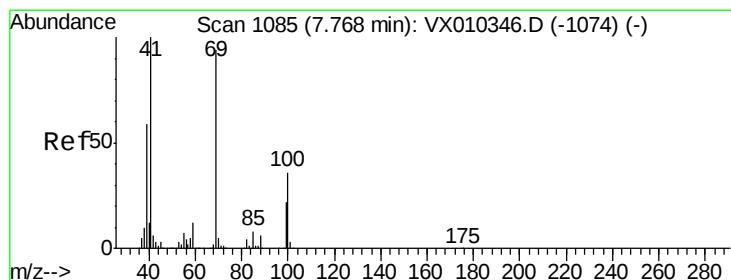
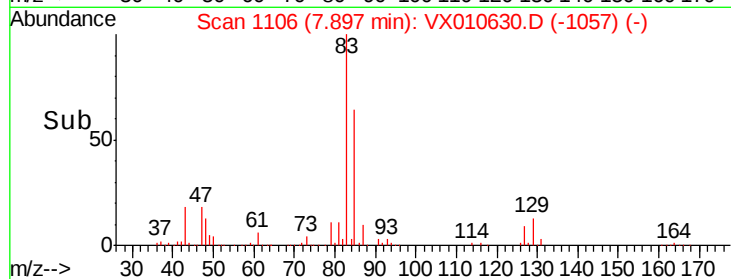
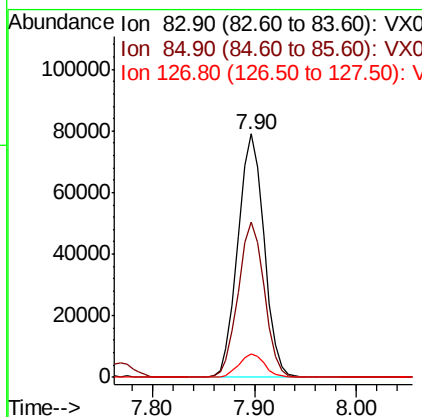
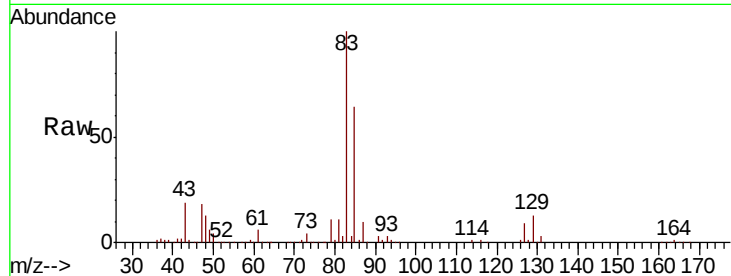
#47
Bromodichloromethane
Concen: 52.838 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	83	Resp	140135
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	51.5	77.3
127	9.4	7.8	11.8

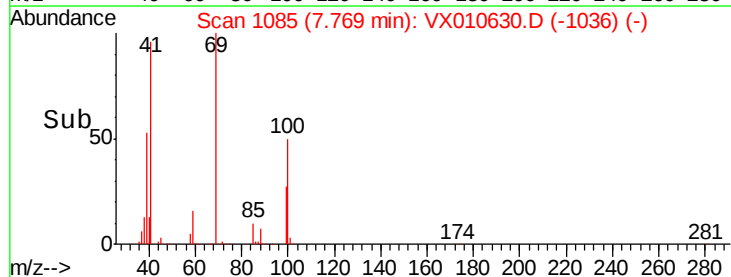
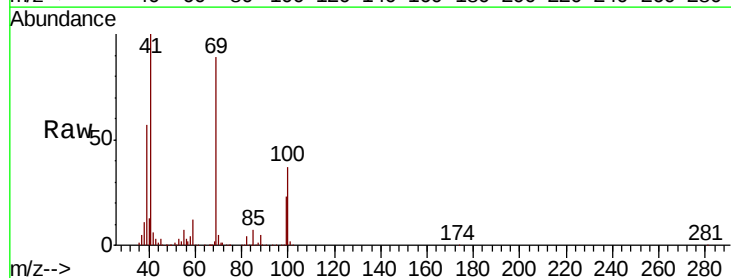
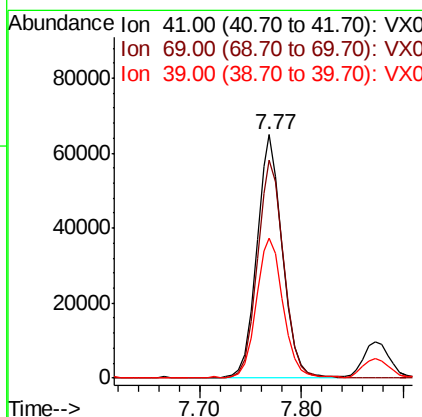
Manual Integrations
APPROVED

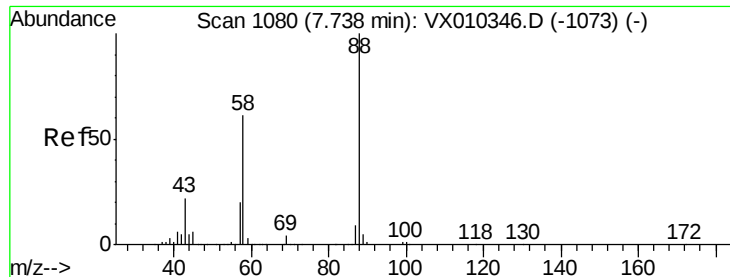
MMDadoda
7/3/2019 9:29:54 AM



#48
Methyl methacrylate
Concen: 56.056 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	41	Resp	113702
Ion Ratio	100	Lower	Upper
41	100		
69	91.5	76.1	114.1
39	59.1	47.6	71.4





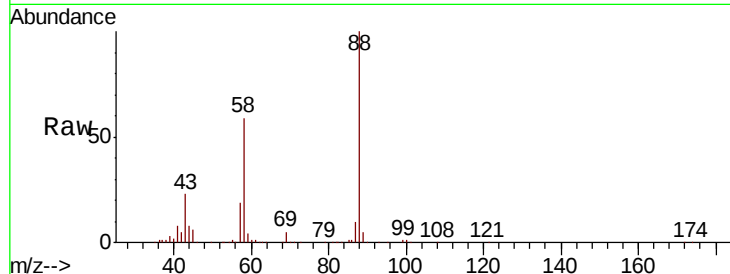
#49
1,4-Dioxane
Concen: 961.915 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

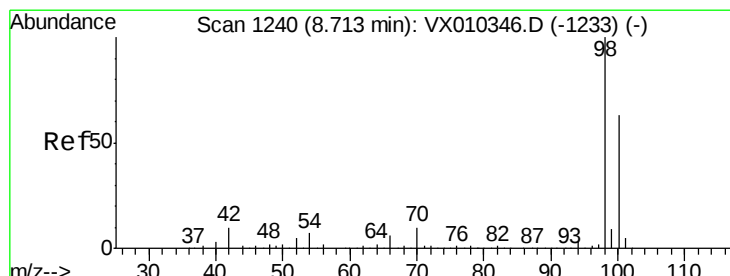
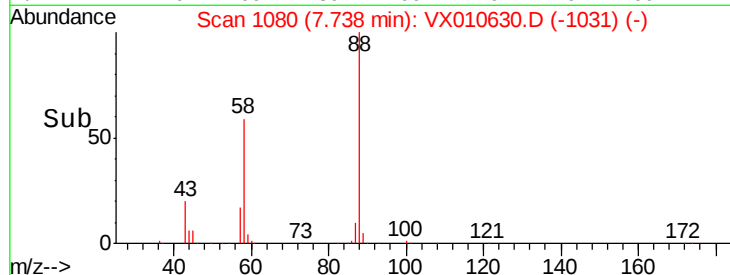
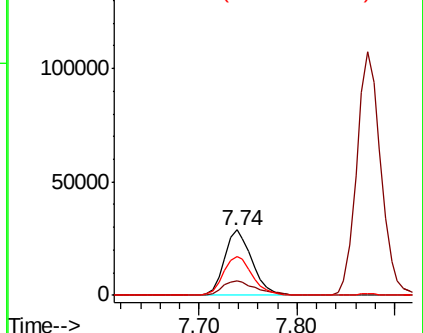
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	20.2	30.2
58	62.0	49.5	74.3

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM

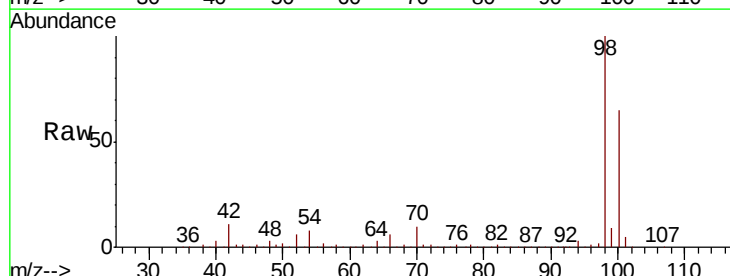


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

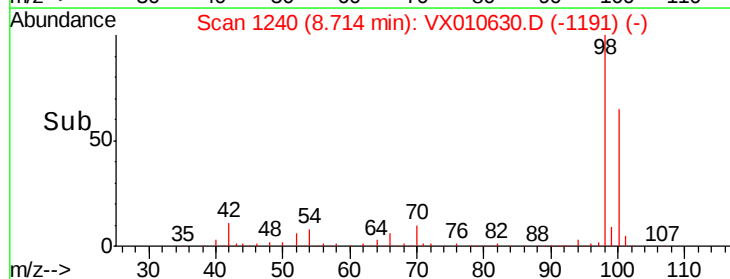
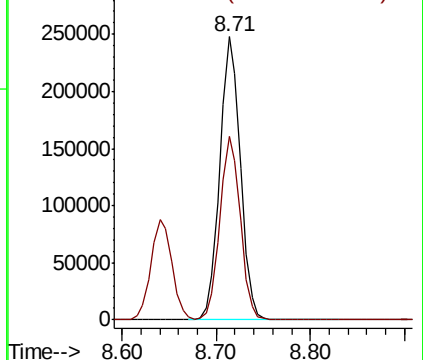


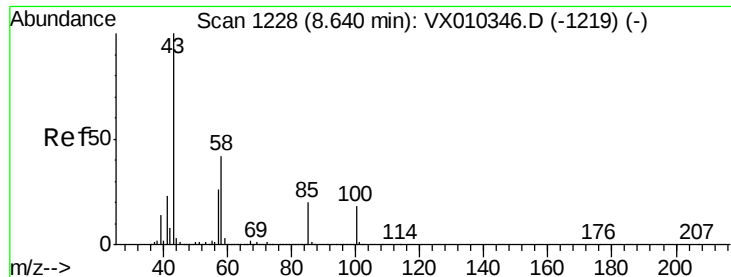
#50
Toluene-d8
Concen: 49.592 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





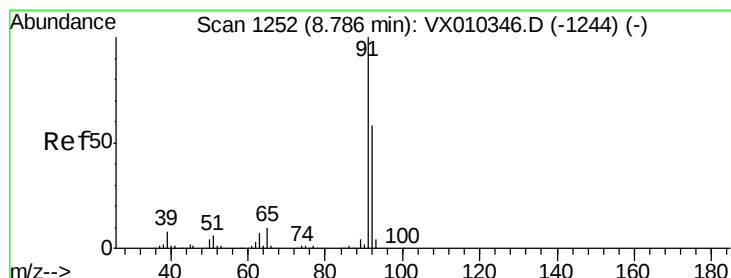
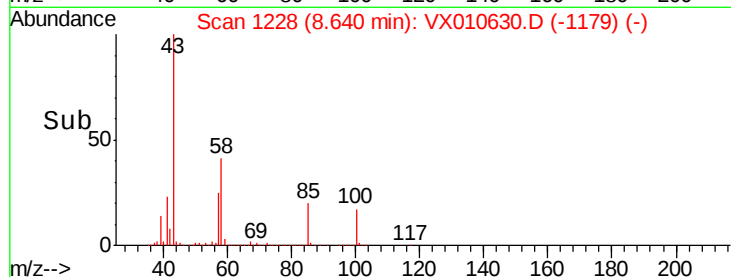
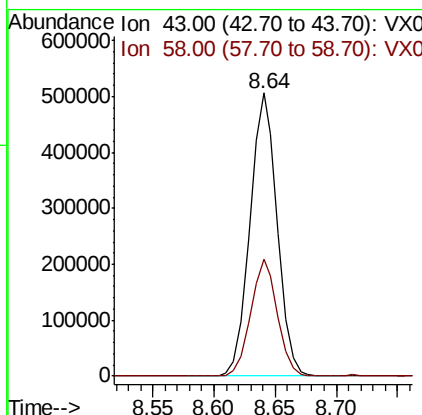
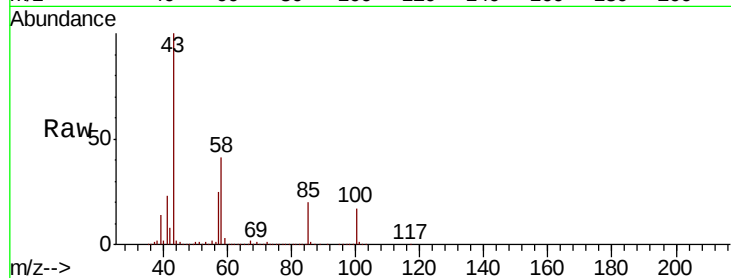
#51
4-Methyl-2-Pentanone
Concen: 280.632 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.3	33.5	50.3

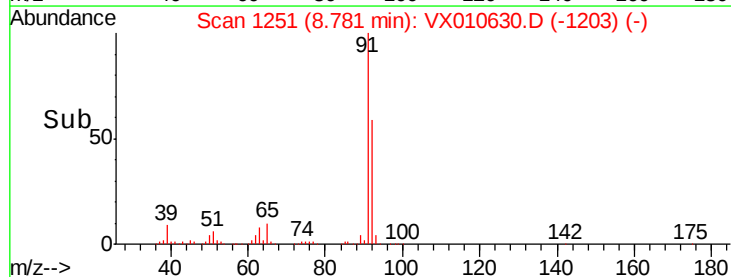
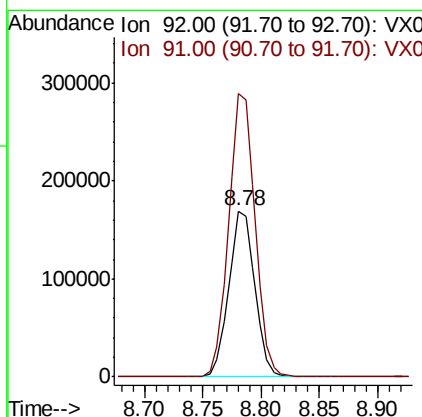
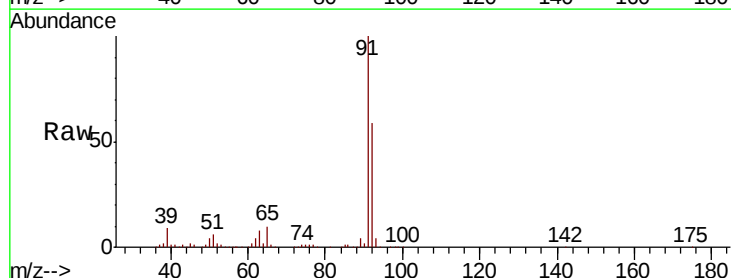
Manual Integrations
APPROVED

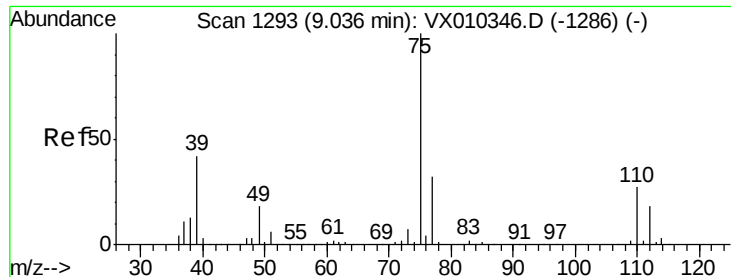
MMDadoda
7/3/2019 9:29:54 AM



#52
Toluene
Concen: 50.005 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	139.8	209.6





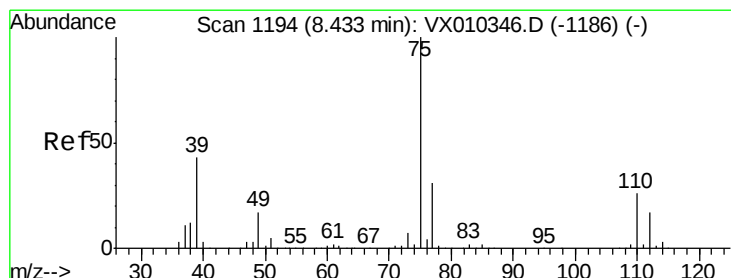
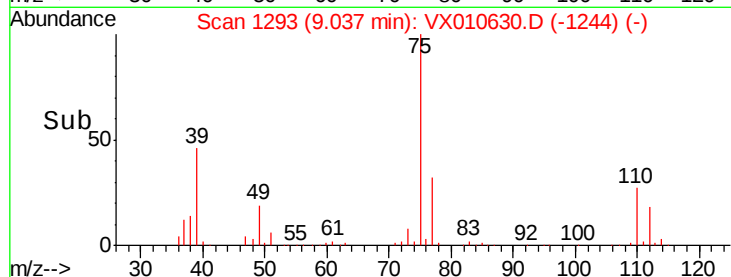
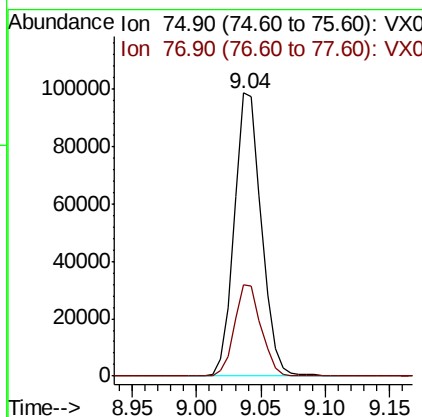
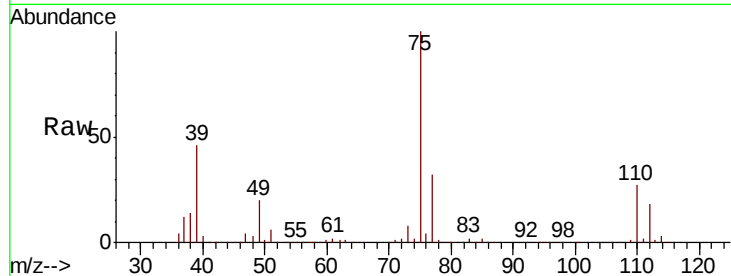
#53
t-1,3-Dichloropropene
Concen: 48.711 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion: 75 Resp: 144839
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

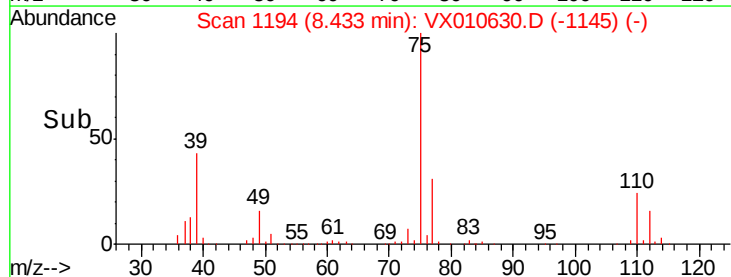
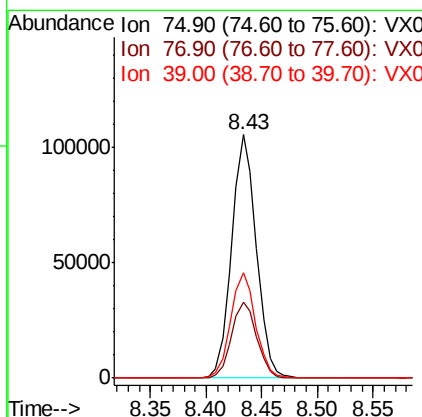
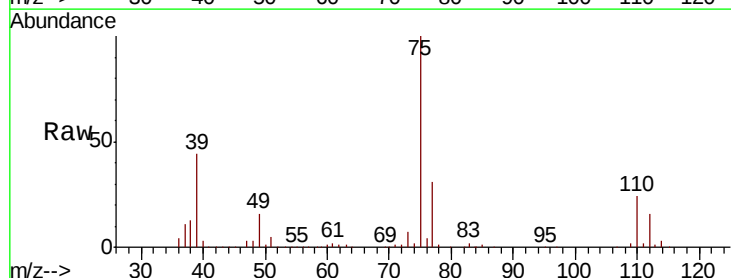
Manual Integrations
APPROVED

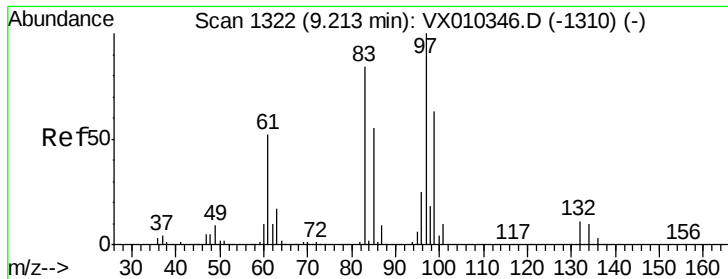
MMDadoda
7/3/2019 9:29:54 AM



#54
cis-1,3-Dichloropropene
Concen: 50.090 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion: 75 Resp: 161855
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 43.3 34.5 51.7





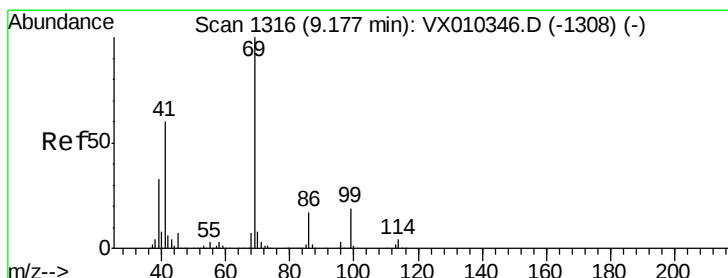
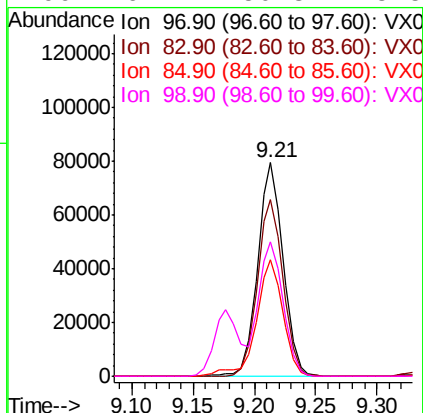
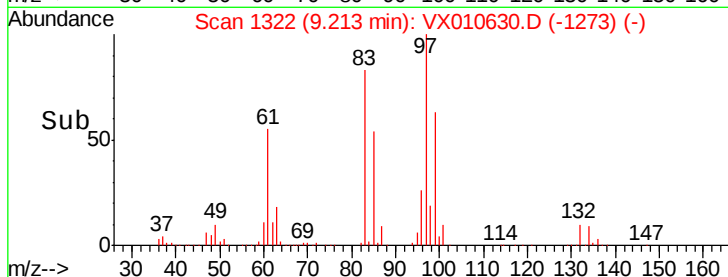
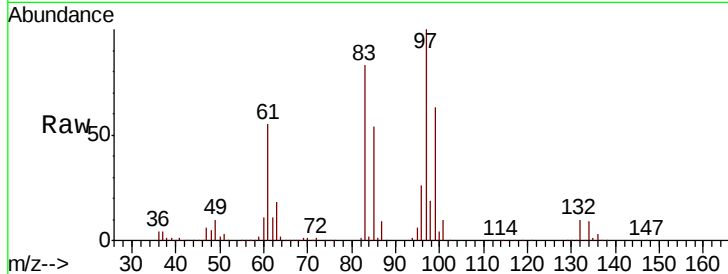
#55
 1,1,2-Trichloroethane
 Concen: 53.078 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion:	97	Resp:	115146
Ion	Ratio	Lower	Upper
97	100		
83	82.8	67.4	101.0
85	54.4	43.8	65.8
99	62.7	50.3	75.5

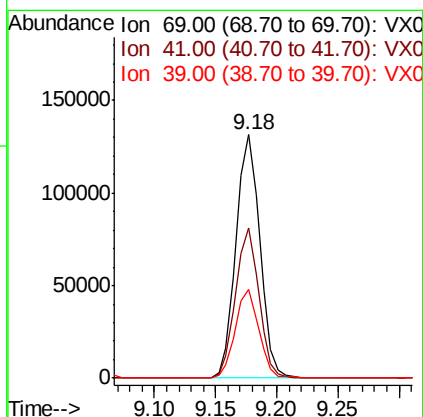
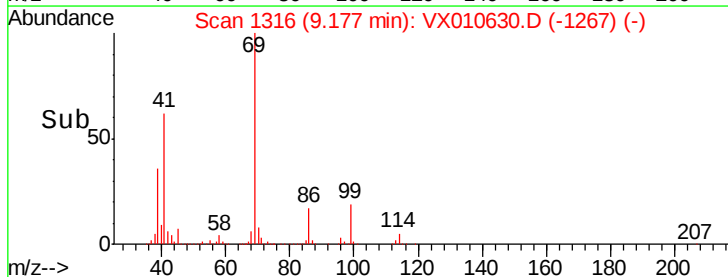
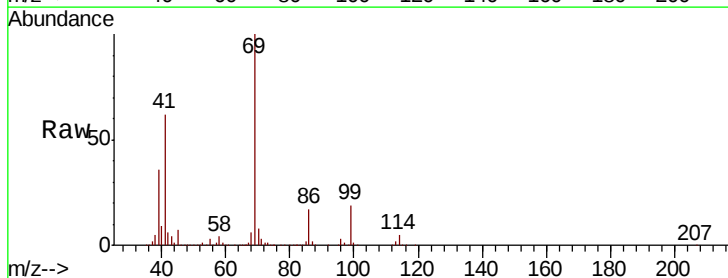
Manual Integrations
 APPROVED

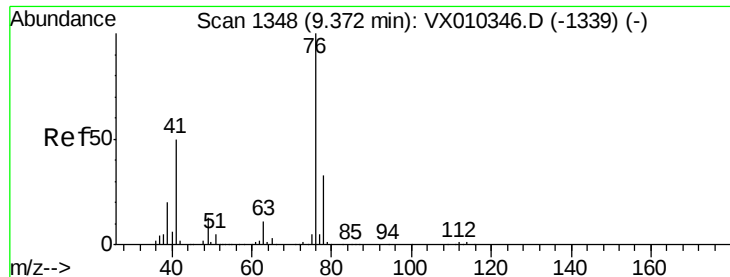
MMDadoda
 7/3/2019 9:29:54 AM



#56
 Ethyl methacrylate
 Concen: 53.941 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion:	69	Resp:	177266
Ion	Ratio	Lower	Upper
69	100		
41	60.5	47.1	70.7
39	36.0	26.6	40.0





#57

1,3-Dichloropropane

Concen: 53.300 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 76 Resp: 179486

Ion Ratio Lower Upper

76 100

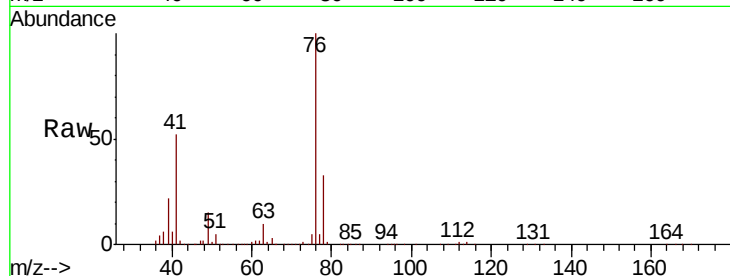
78 32.4 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

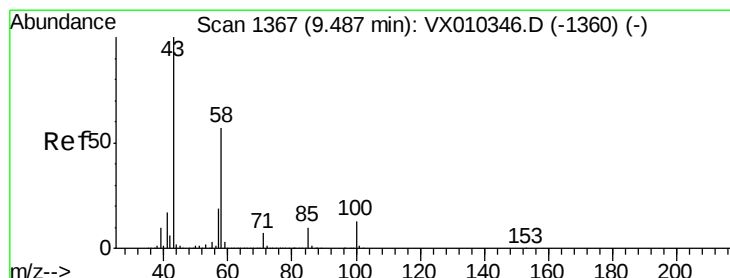
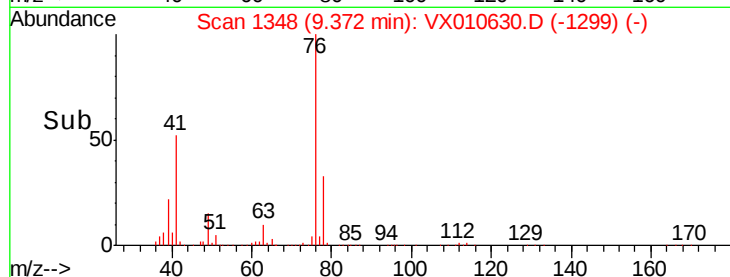
9.37

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 273.009 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010630.D

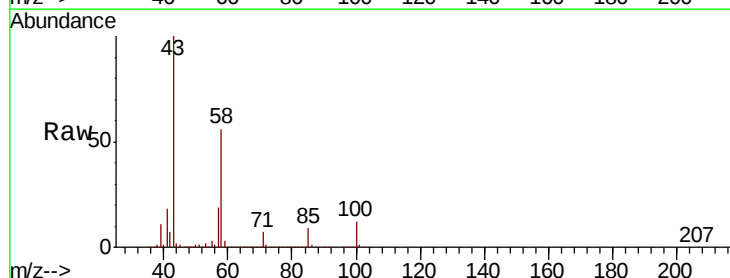
Acq: 02 Jul 2019 20:17

Tgt Ion: 43 Resp: 599675

Ion Ratio Lower Upper

43 100

58 56.5 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

500000

400000

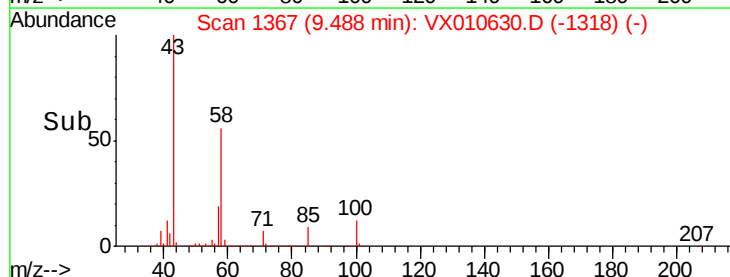
300000

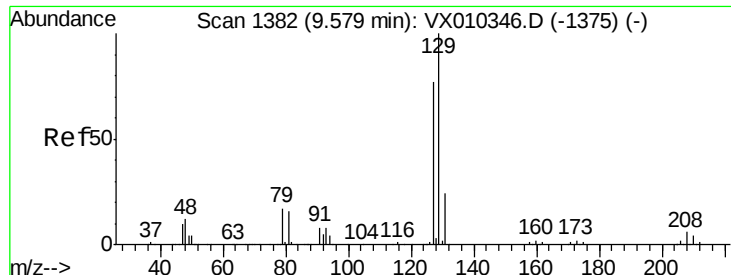
200000

100000

0

Time-->





#60

Dibromochloromethane

Concen: 51.588 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:129 Resp: 125306

Ion Ratio Lower Upper

129 100

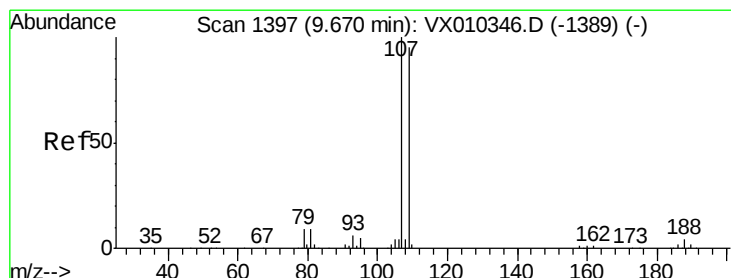
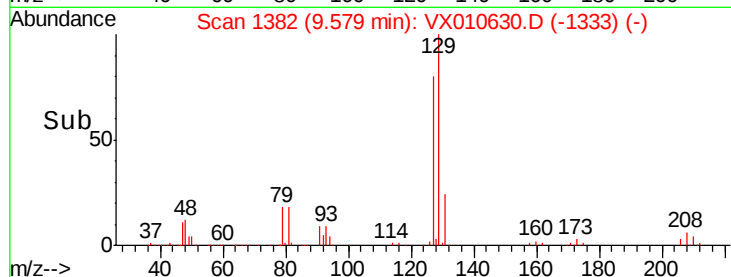
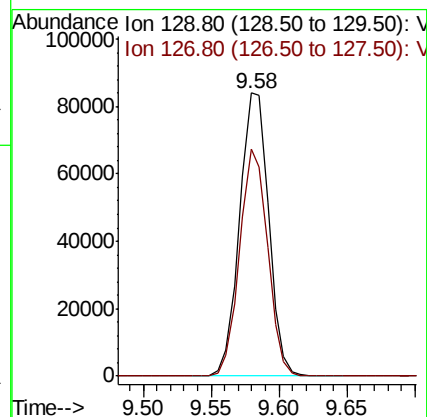
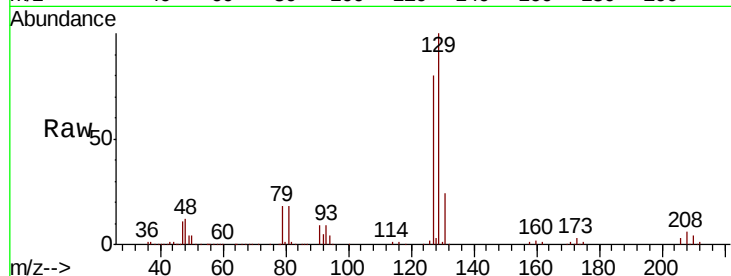
127 77.3 38.4 115.1

Manual Integrations

APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#61

1,2-Dibromoethane

Concen: 52.746 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010630.D

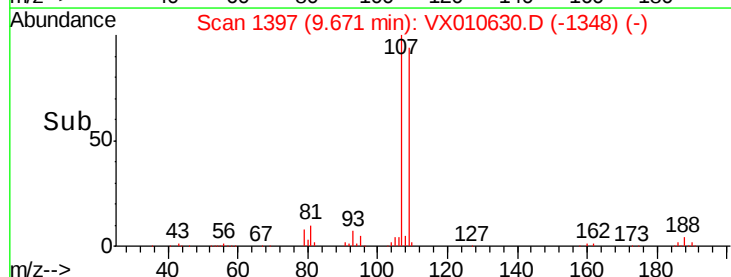
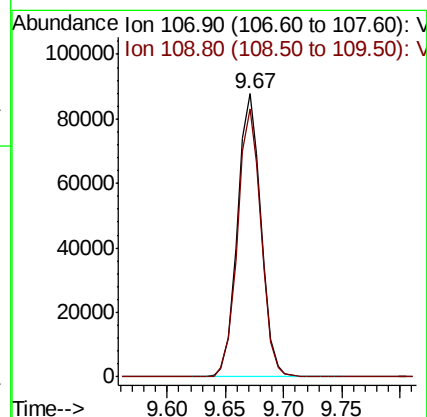
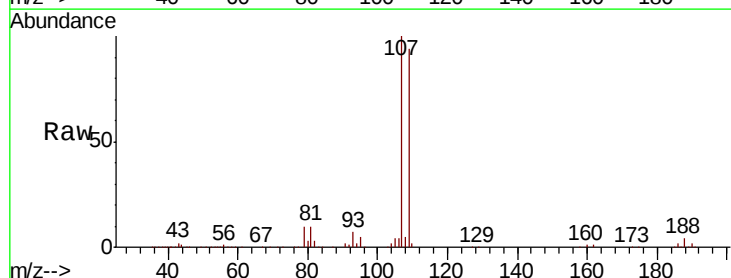
Acq: 02 Jul 2019 20:17

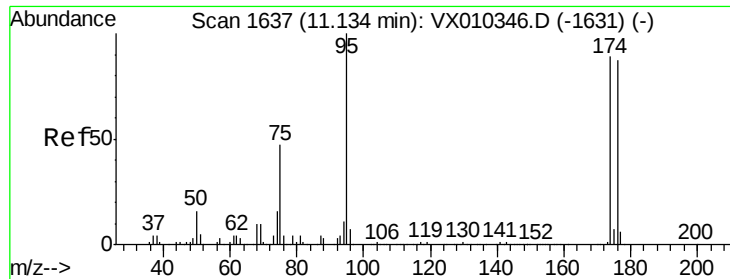
Tgt Ion:107 Resp: 123508

Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.6





#62

4-Bromofluorobenzene

Concen: 51.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

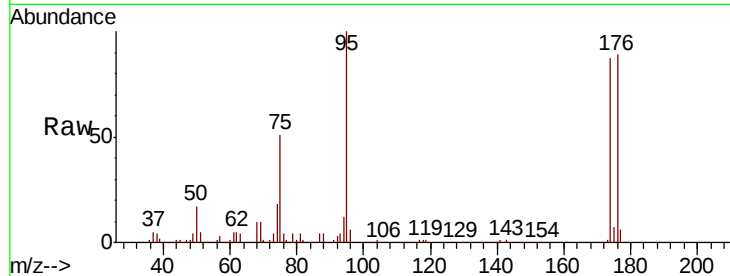
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	95	Resp:	139624
Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	187.6
176	91.7	0.0	184.0

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM

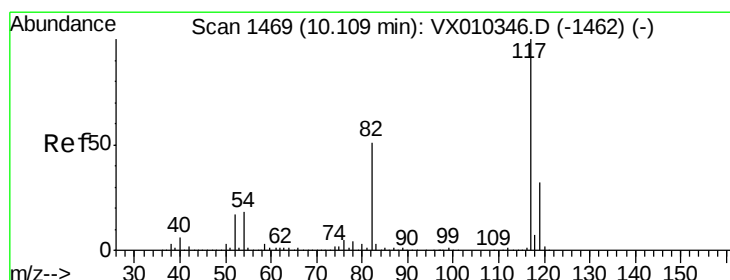
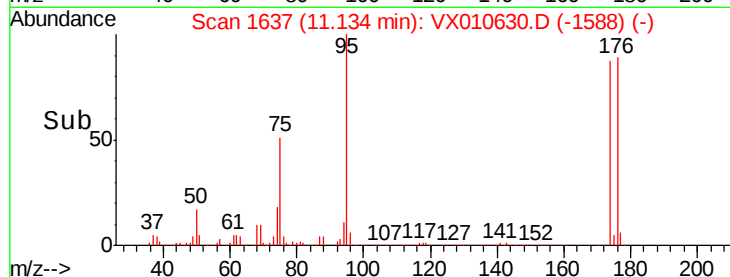
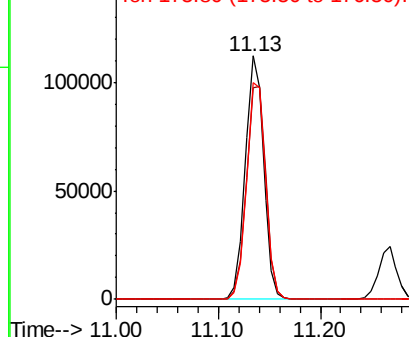


Abundance

Ion 94.90 (94.60 to 95.60): VX010630.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010630.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010630.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

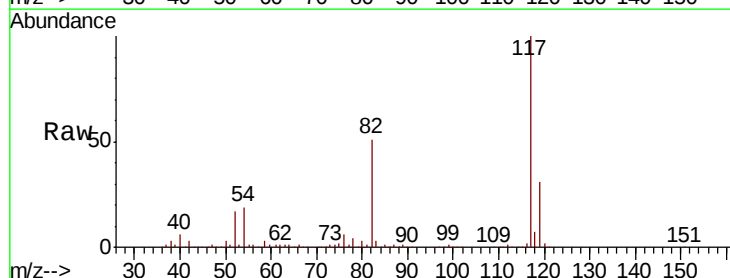
RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	117	Resp:	294057
Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.2	61.8
119	31.4	25.5	38.3

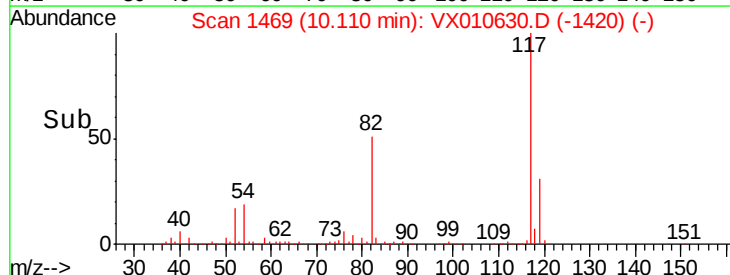
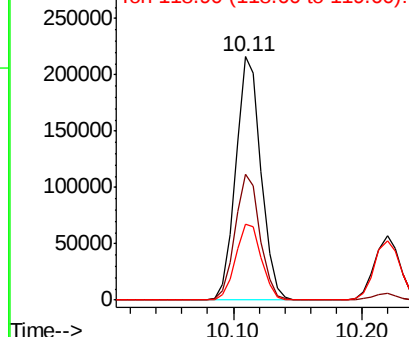


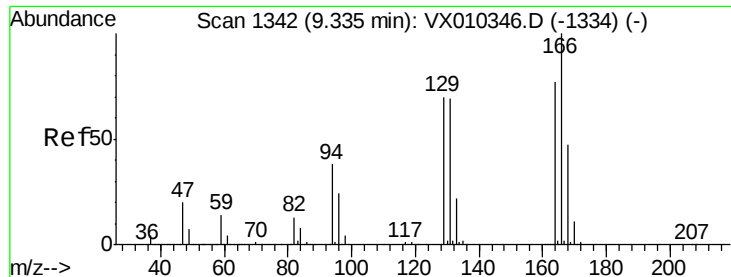
Abundance

Ion 116.90 (116.60 to 117.60): VX010630.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010630.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010630.D (-1420) (-)





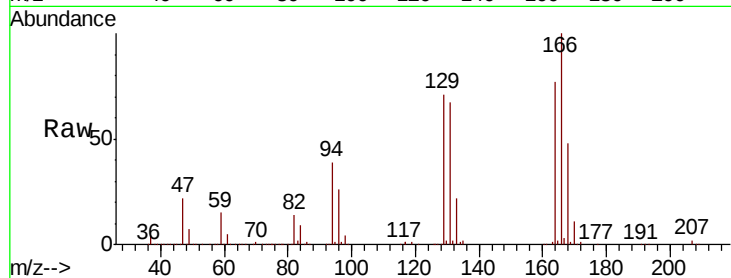
#64
Tetrachloroethene
Concen: 41.108 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.6	155.4
129	91.6	73.0	109.4
131	87.0	71.0	106.4

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



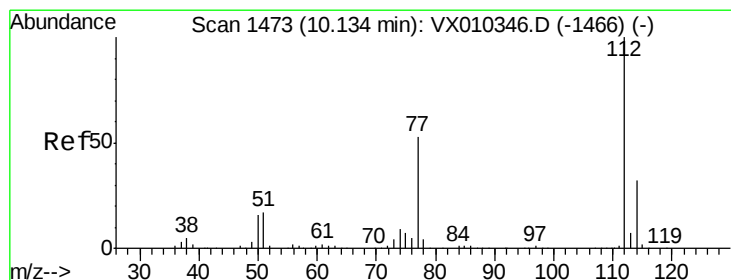
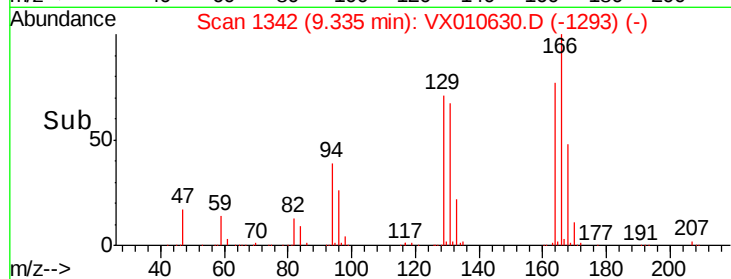
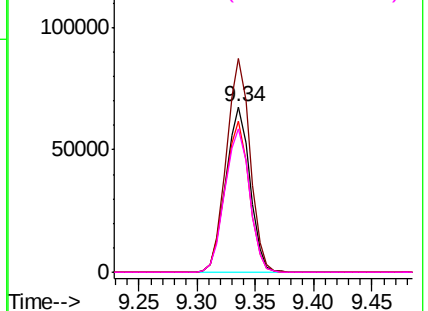
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

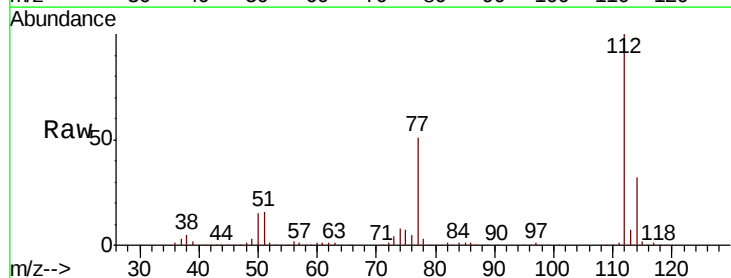
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 50.619 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

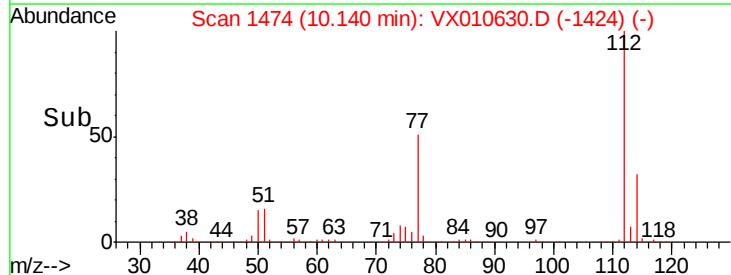
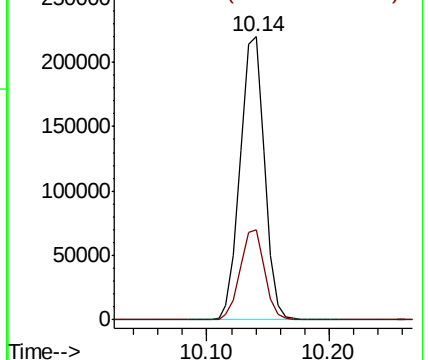
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.4	38.2

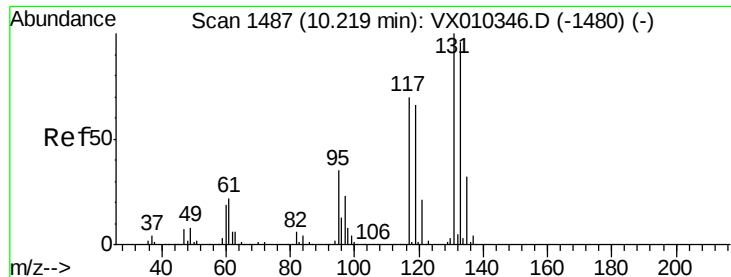


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.226 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

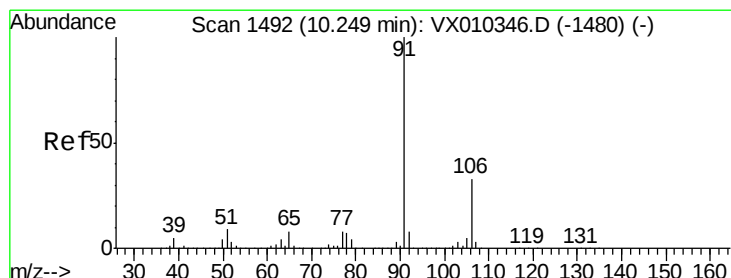
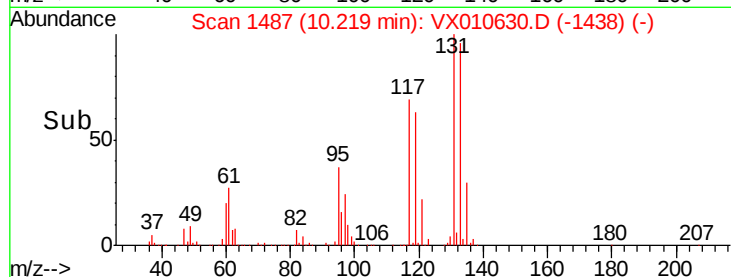
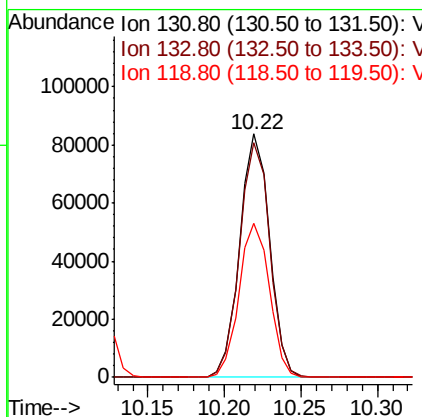
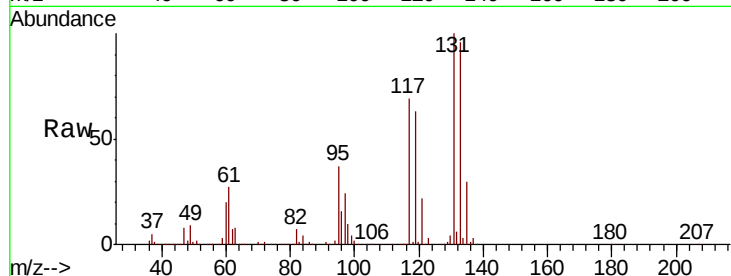
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	131	Resp:	113569
Ion Ratio	Lower	Upper	
131	100		
133	97.4	47.7	143.1
119	64.7	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#67

Ethyl Benzene

Concen: 50.238 ug/l

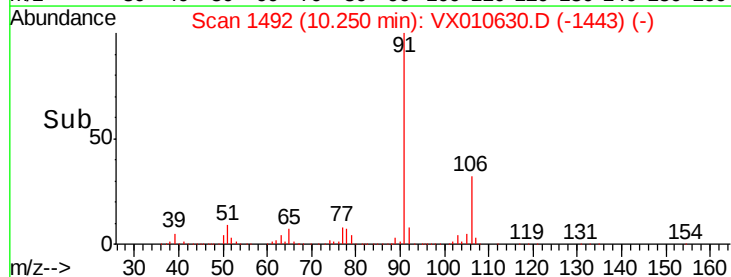
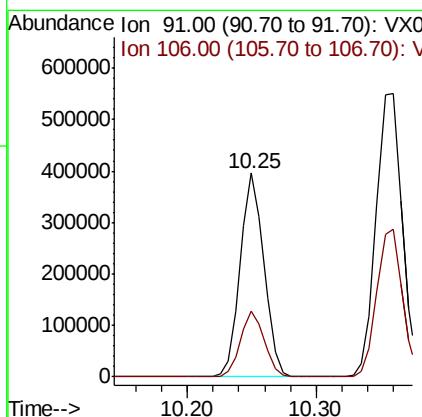
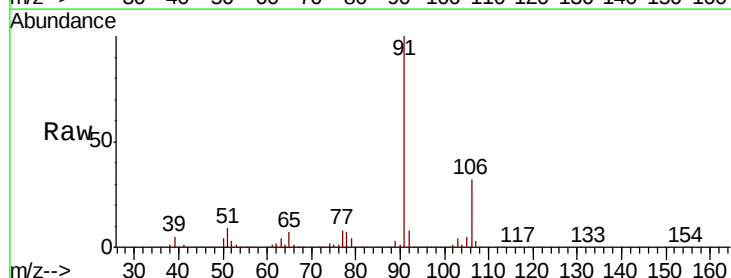
RT: 10.25 min Scan# 1492

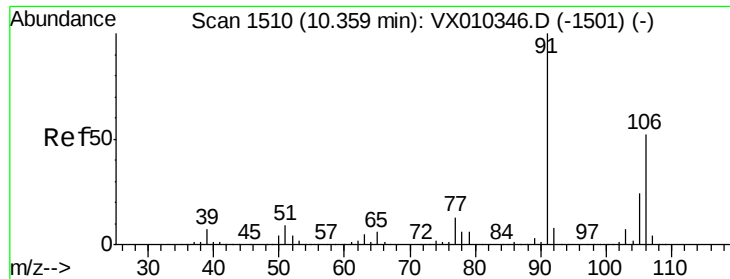
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	91	Resp:	506326
Ion Ratio	Lower	Upper	
91	100		
106	32.2	26.2	39.2





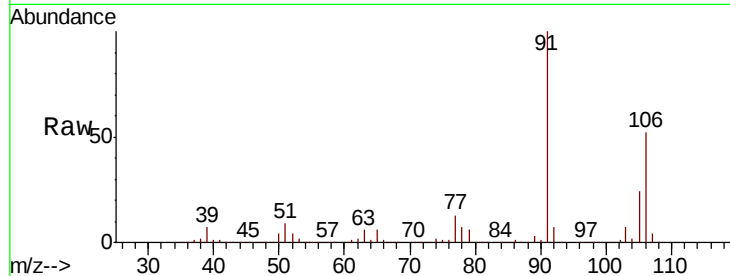
#68
m/p-Xylenes
Concen: 100.298 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

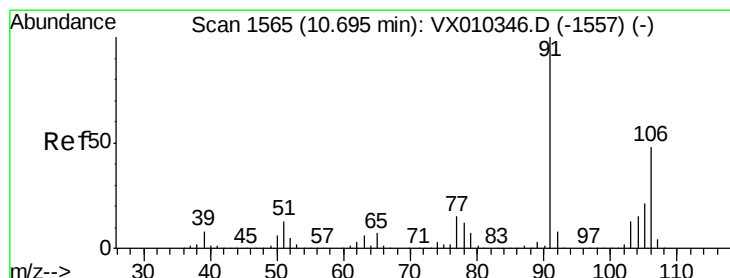
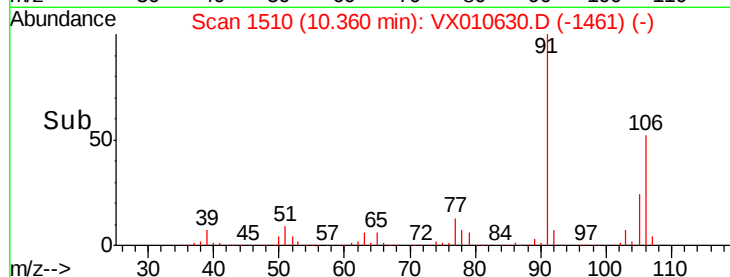
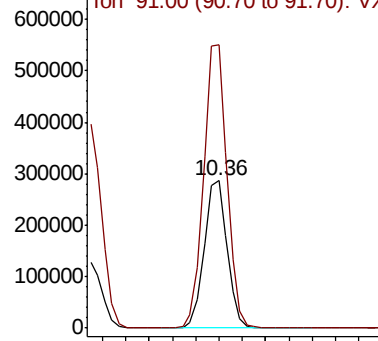
Tot Ion:106 Resp: 391683
Ion Ratio Lower Upper
106 100
91 196.0 155.3 232.9

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM

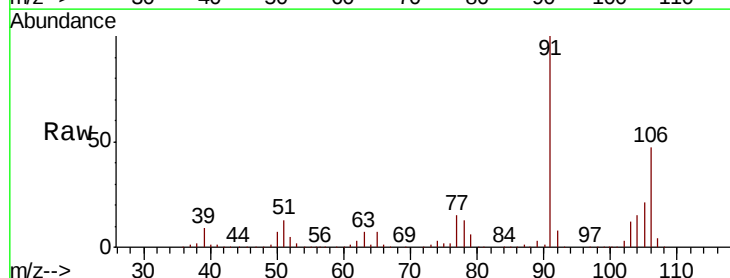


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

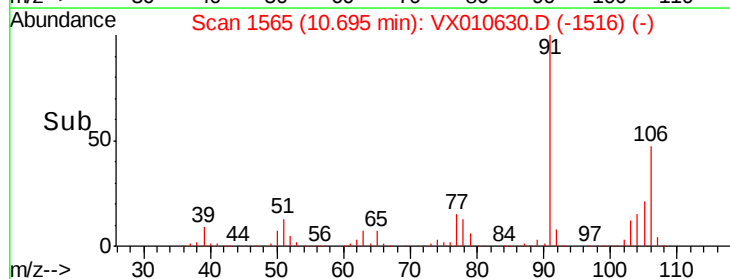
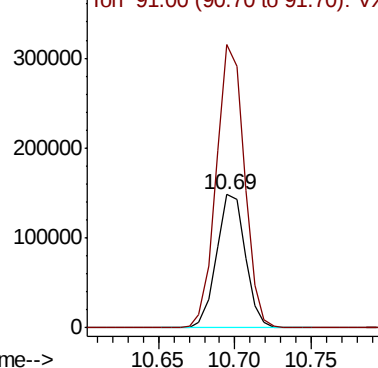


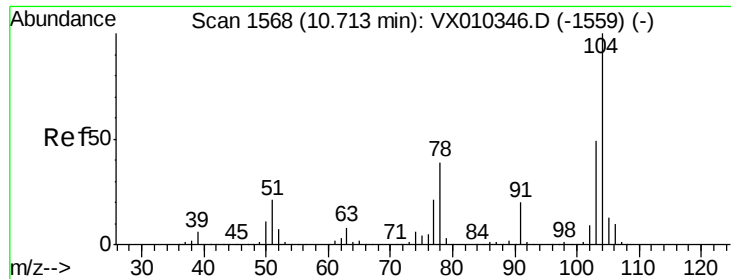
#69
o-Xylene
Concen: 50.471 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion:106 Resp: 193827
Ion Ratio Lower Upper
106 100
91 207.8 102.7 308.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





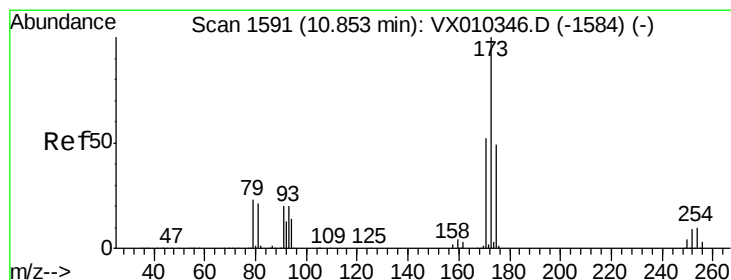
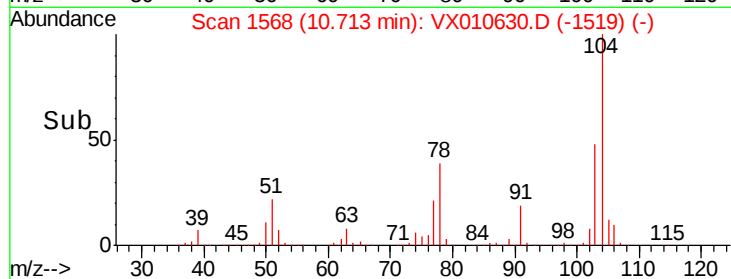
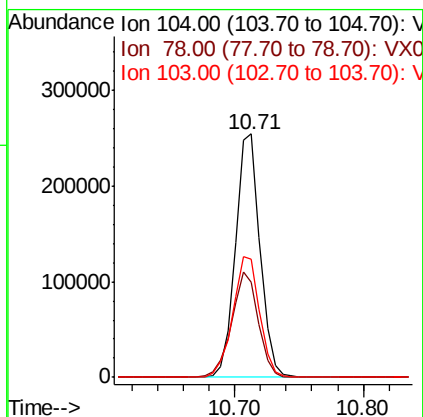
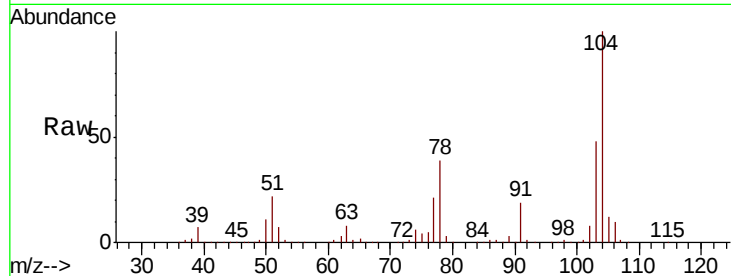
#70
Stvrene
Concen: 52.364 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	36.2	54.2
103	54.3	44.2	66.4

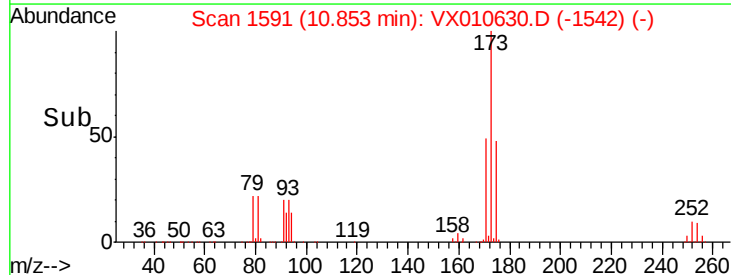
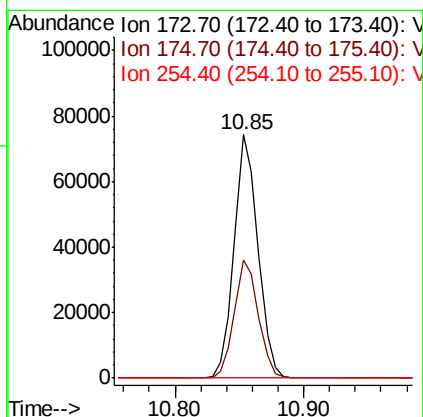
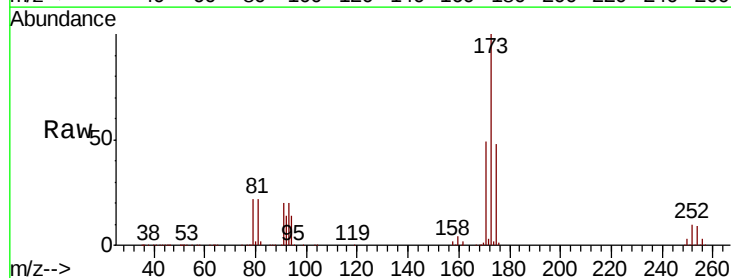
Manual Integrations
APPROVED

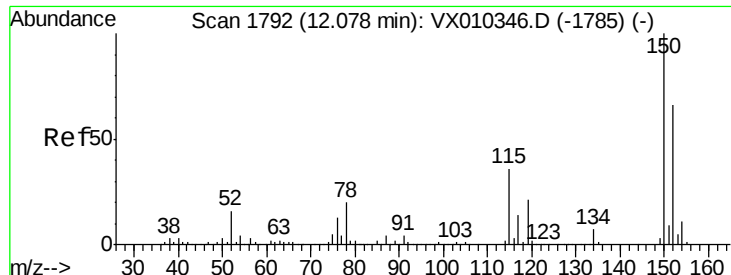
MMDadoda
7/3/2019 9:29:54 AM



#71
Bromoform
Concen: 50.961 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.1	72.3
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:152 Resp: 152750

Ion Ratio Lower Upper

152 100

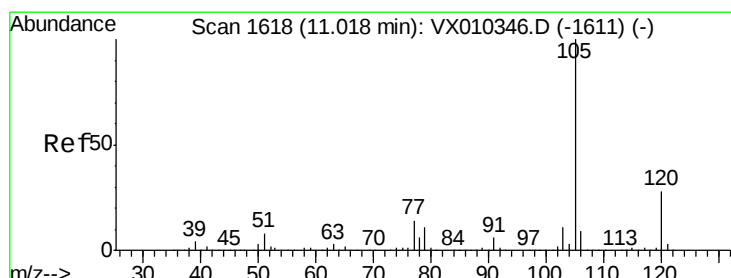
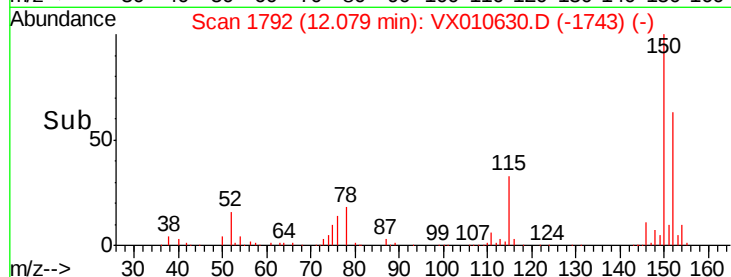
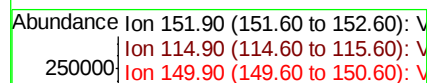
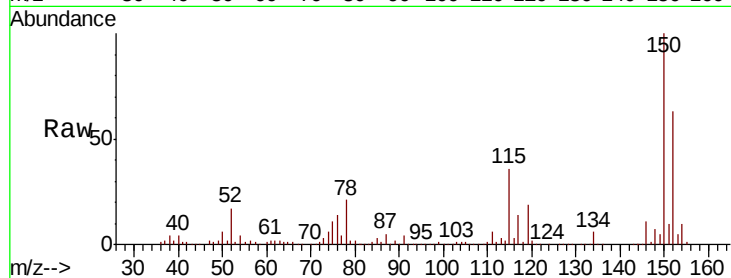
115 78.0 38.6 115.7

150 173.4 0.0 347.4

Manual Integrations
APPROVED

MMDadoda

7/3/2019 9:29:54 AM



#73

Isopropylbenzene

Concen: 49.284 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010630.D

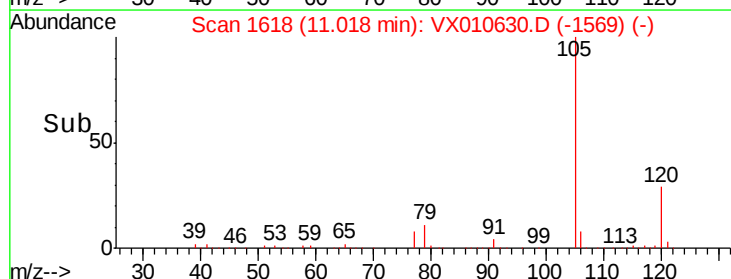
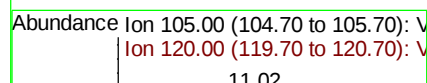
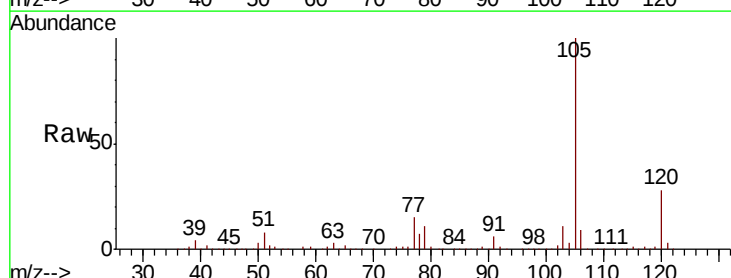
Acq: 02 Jul 2019 20:17

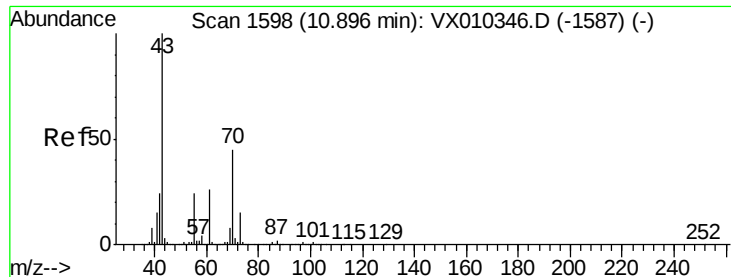
Tgt Ion:105 Resp: 510313

Ion Ratio Lower Upper

105 100

120 27.5 14.1 42.4





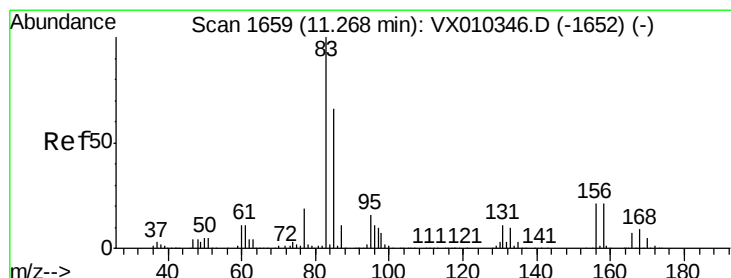
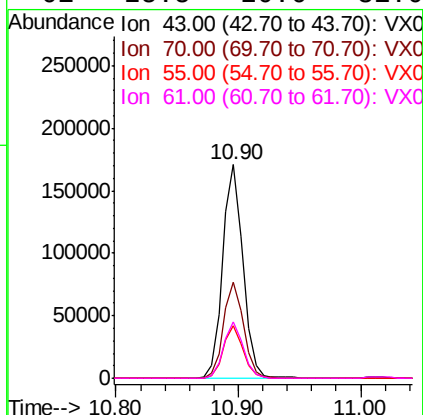
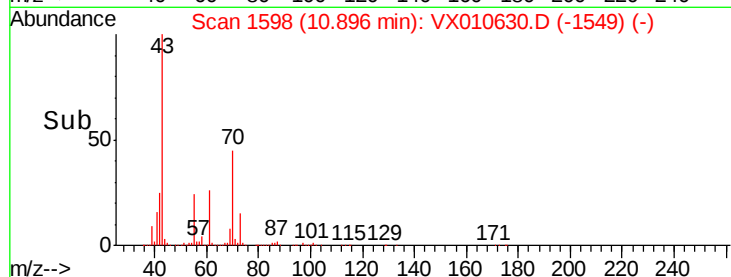
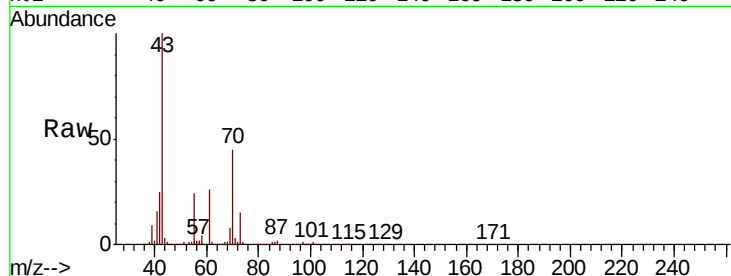
#74
N-amvl acetate
Concen: 50.079 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	44.9	36.6	54.8
55	24.3	18.7	28.1
61	25.5	20.6	31.0

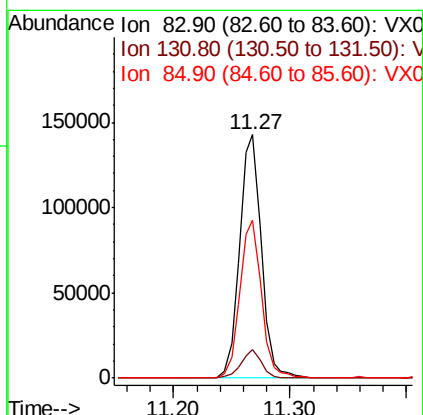
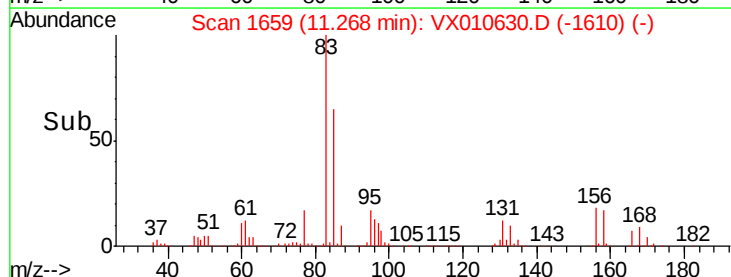
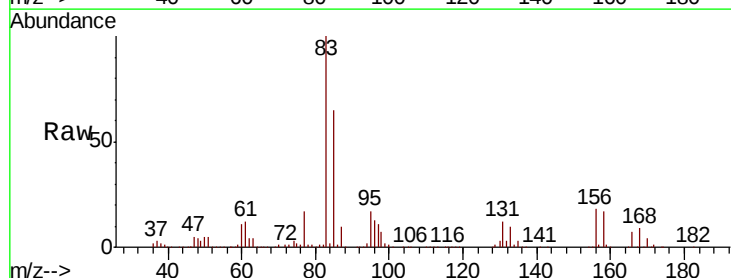
Manual Integrations
APPROVED

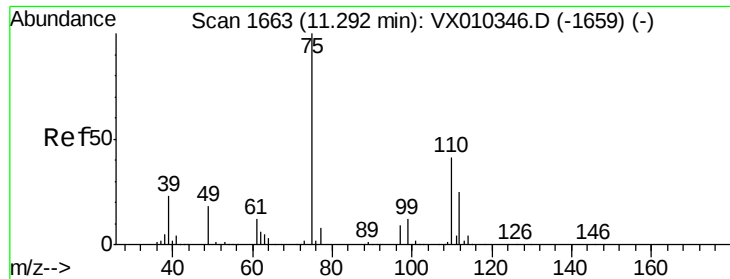
MMDadoda
7/3/2019 9:29:54 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 54.267 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.5	32.3	96.8





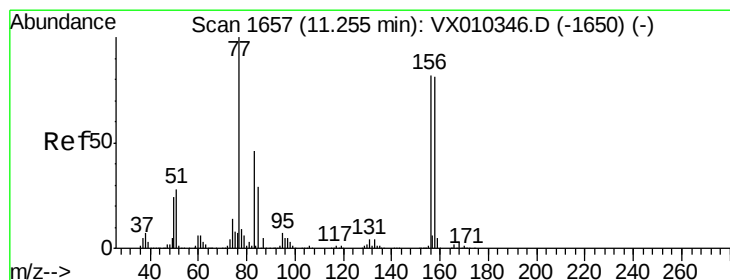
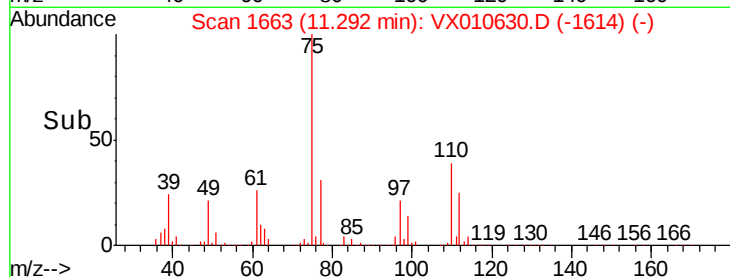
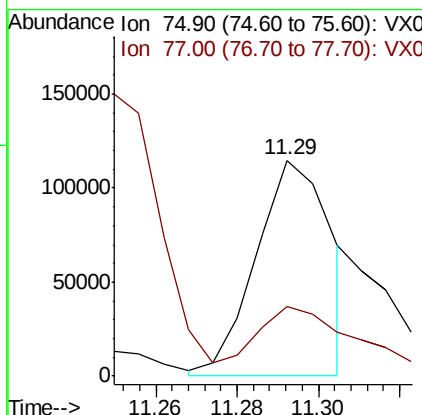
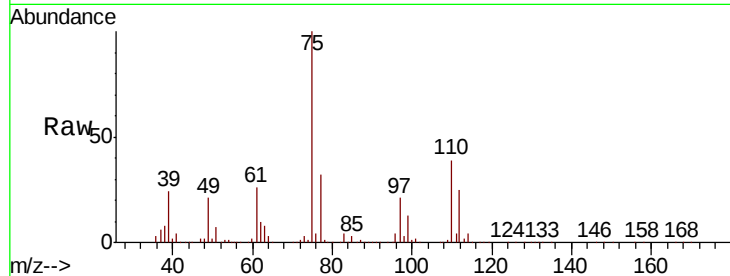
#76
 1,2,3-Trichloropropane
 Concen: 52.587 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion: 75 Resp: 146375
 Ion Ratio Lower Upper
 75 100
 77 43.6 22.6 67.8

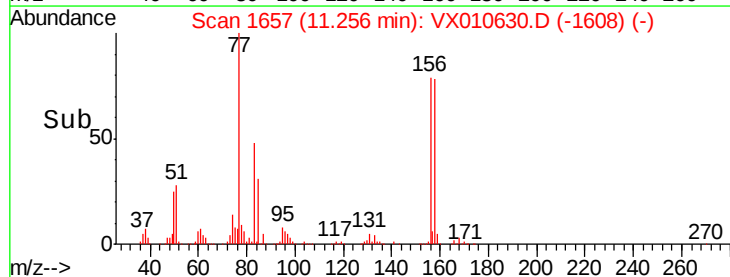
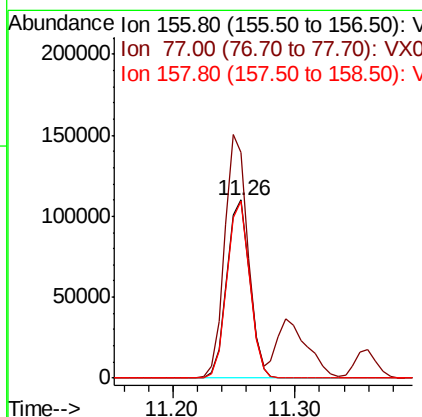
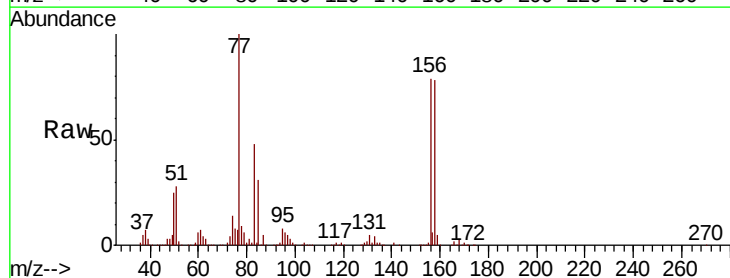
Manual Integrations
 APPROVED

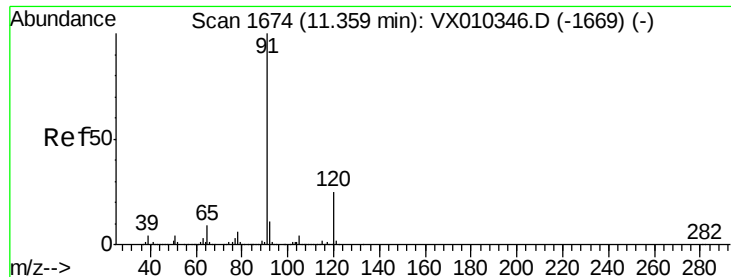
MMDadoda
 7/3/2019 9:29:54 AM



#77
 Bromobenzene
 Concen: 49.278 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion: 156 Resp: 142476
 Ion Ratio Lower Upper
 156 100
 77 137.0 66.3 198.7
 158 98.0 48.9 146.7





#78

n-propylbenzene

Concen: 49.845 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

MWHR2-6-070119MSD

Tot Ion: 91 Resp: 567241

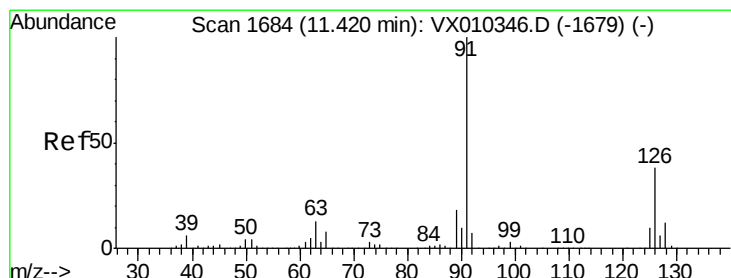
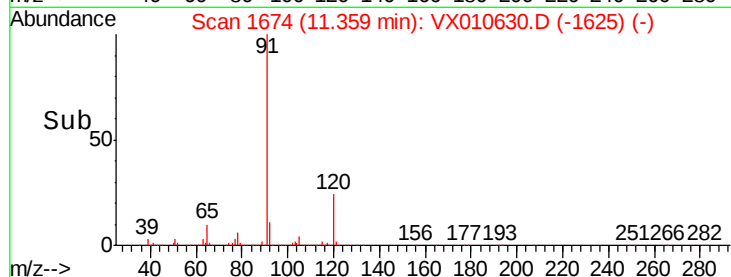
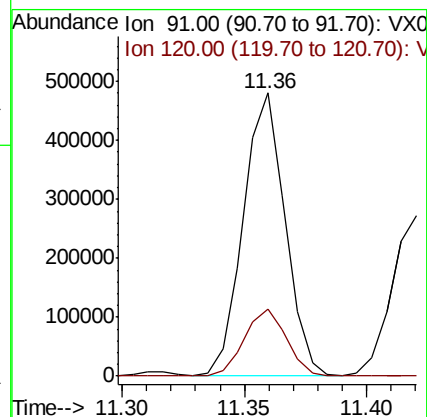
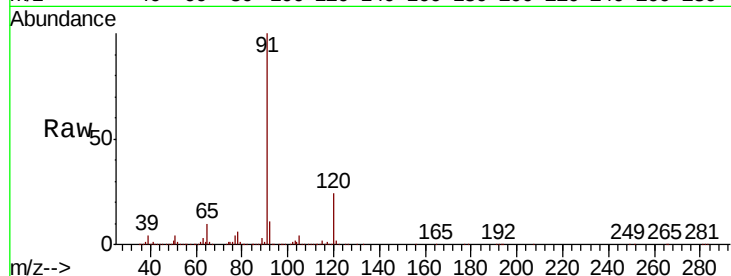
Ion Ratio Lower Upper

91 100

120 24.1 12.4 37.4

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#79

2-Chlorotoluene

Concen: 49.874 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010630.D

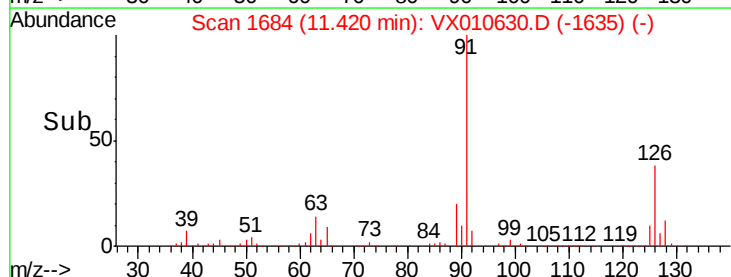
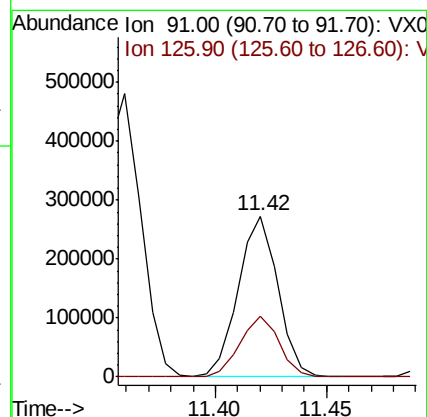
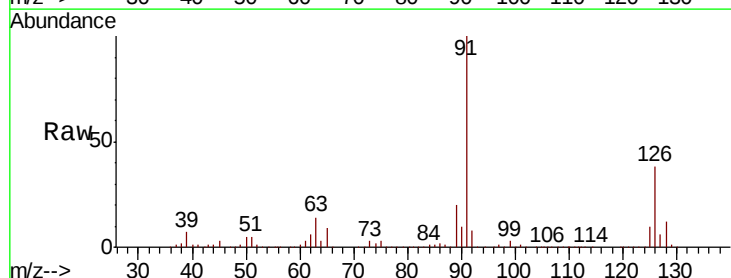
Acq: 02 Jul 2019 20:17

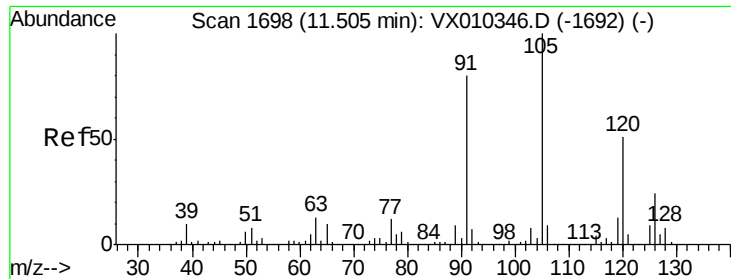
Tgt Ion: 91 Resp: 337972

Ion Ratio Lower Upper

91 100

126 37.7 18.7 56.1





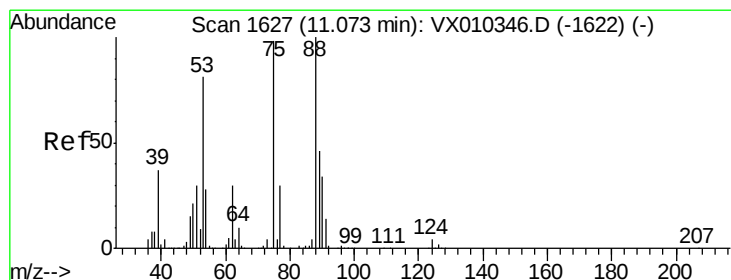
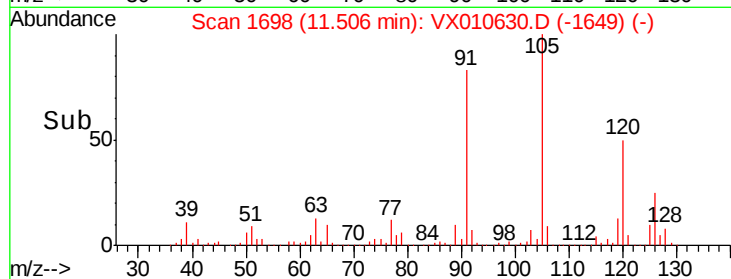
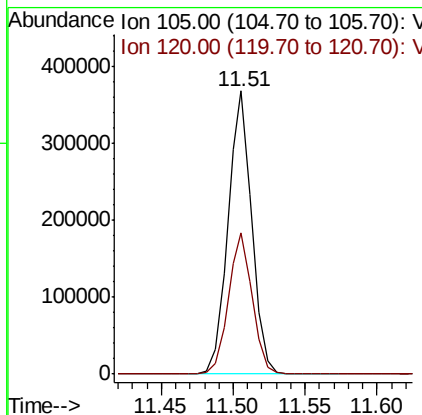
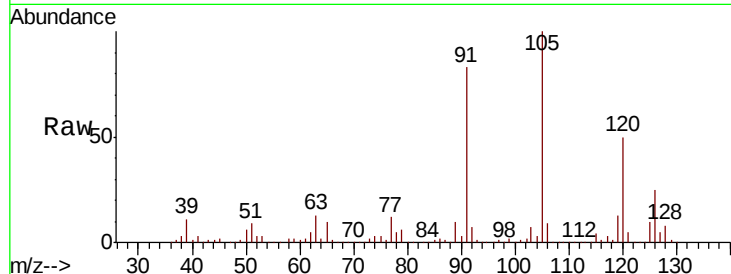
#80
 1,3,5-Trimethylbenzene
 Concen: 49.892 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion:105 Resp: 425887
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.2 75.6

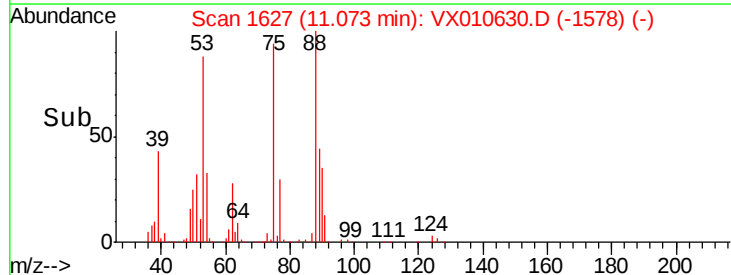
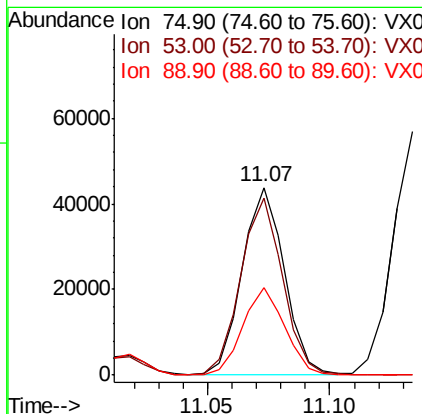
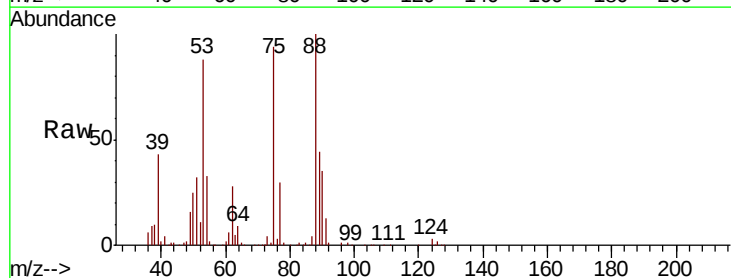
Manual Integrations
 APPROVED

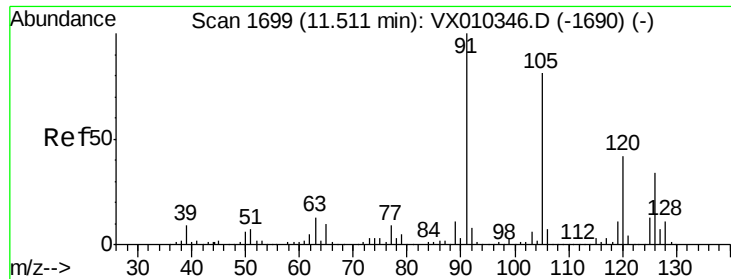
MMDadoda
 7/3/2019 9:29:54 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.671 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion: 75 Resp: 52106
 Ion Ratio Lower Upper
 75 100
 53 94.4 66.1 99.1
 89 46.9 37.8 56.6





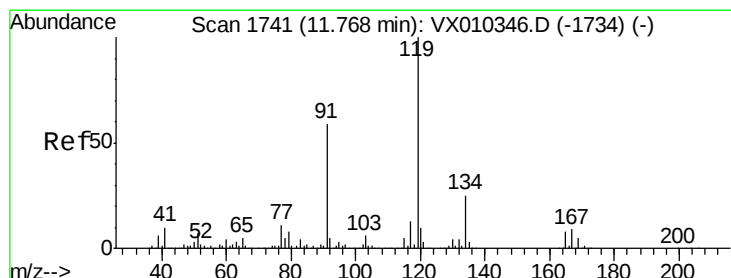
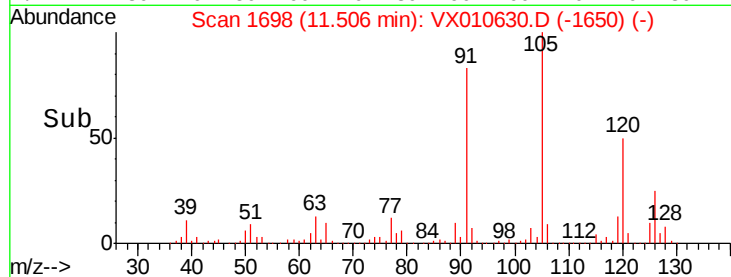
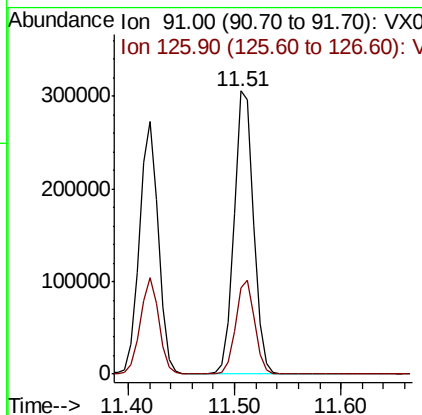
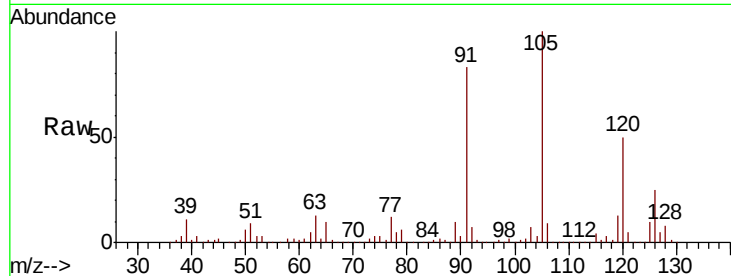
#82
4-Chlorotoluene
Concen: 50.939 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion: 91 Resp: 392795
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.6

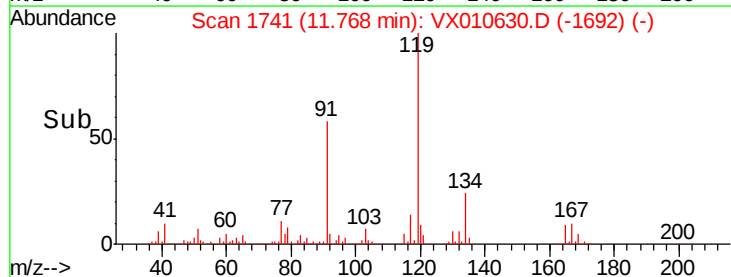
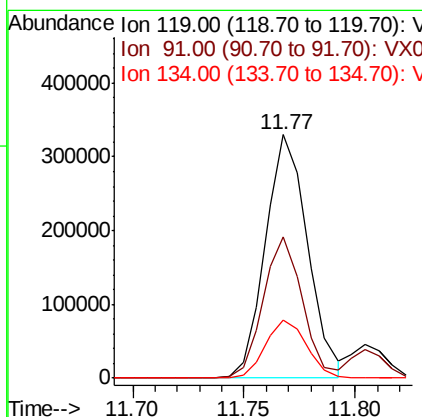
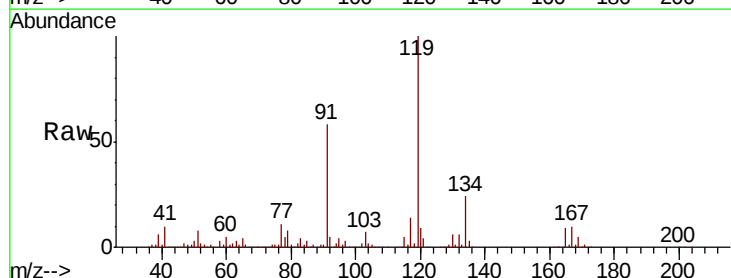
Manual Integrations
APPROVED

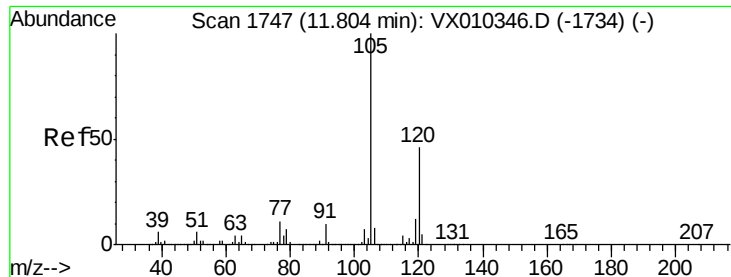
MMDadoda
7/3/2019 9:29:54 AM



#83
tert-Butylbenzene
Concen: 50.664 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion: 119 Resp: 434064
Ion Ratio Lower Upper
119 100
91 54.3 27.6 82.7
134 23.4 11.8 35.4





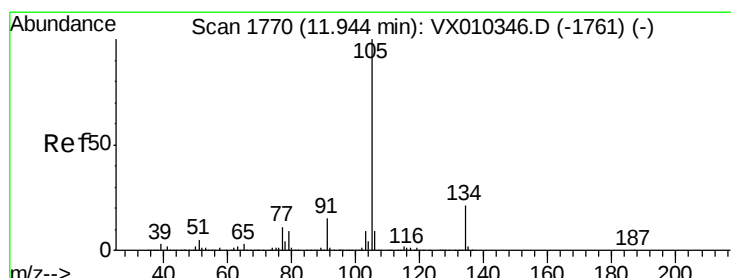
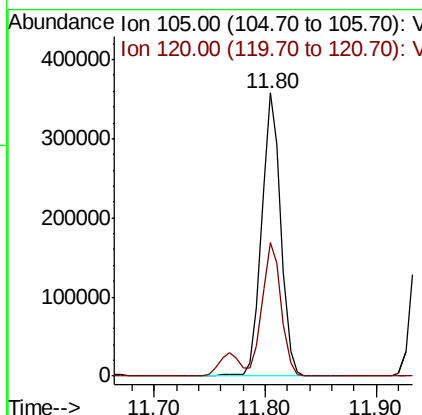
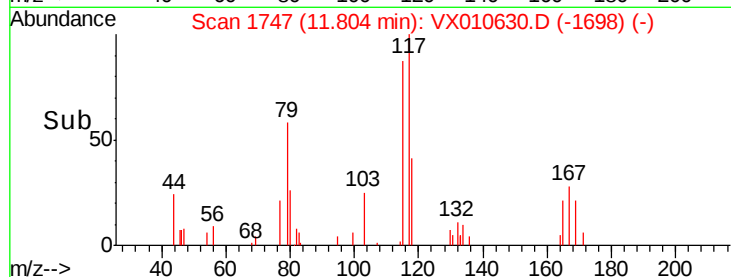
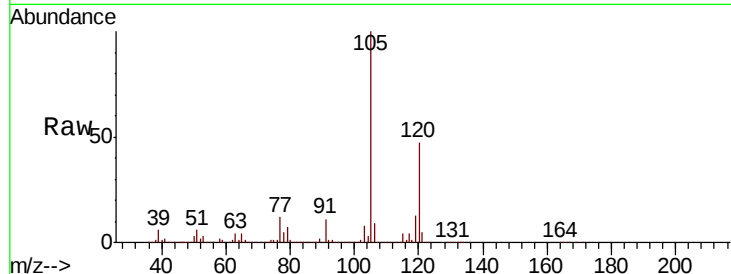
#84
 1,2,4-Trimethylbenzene
 Concen: 50.161 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

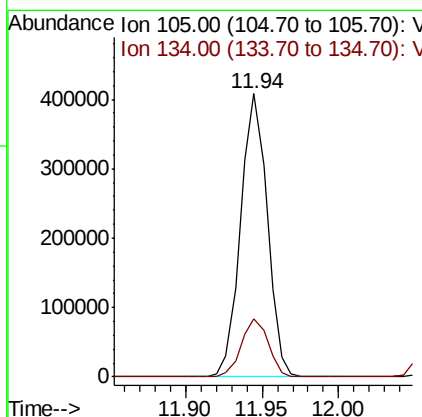
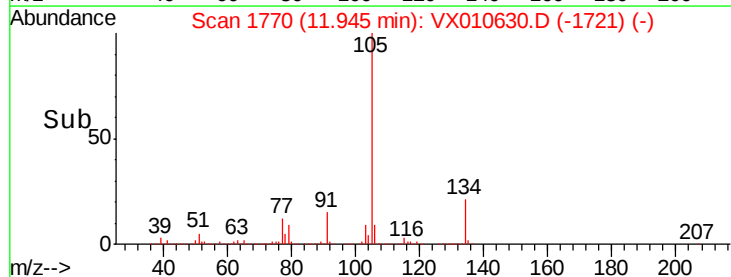
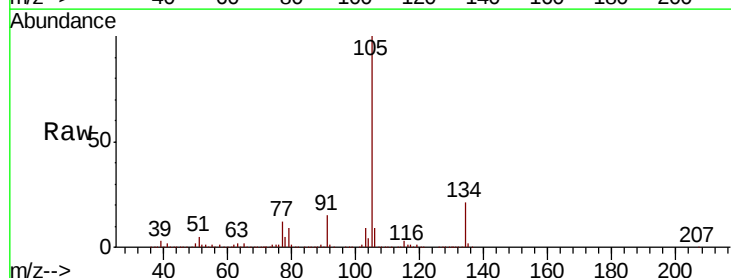
Manual Integrations
 APPROVED

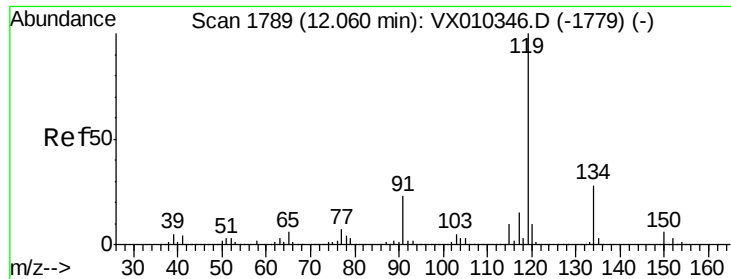
MMDadoda
 7/3/2019 9:29:54 AM



#85
 sec-Butylbenzene
 Concen: 49.027 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.7	31.9





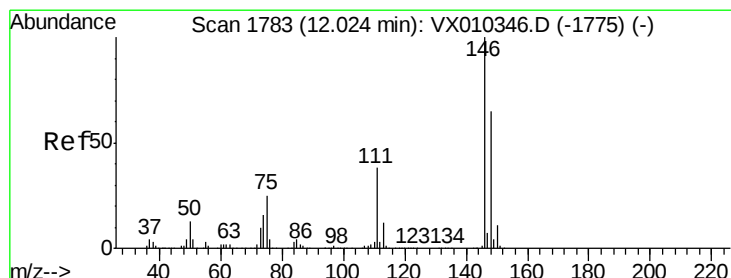
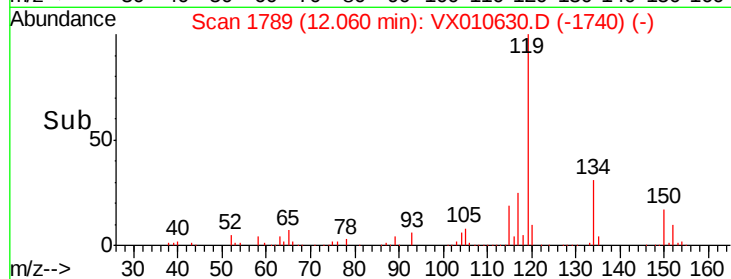
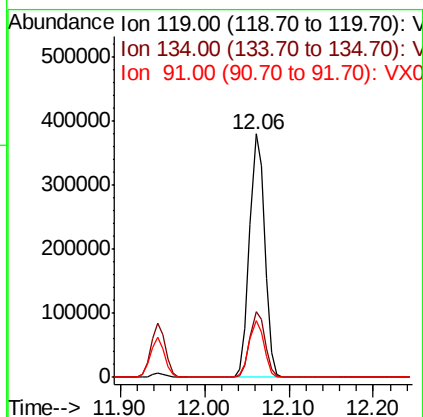
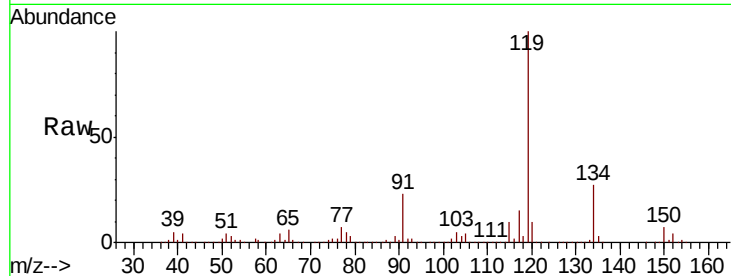
#86
p-Isopropyltoluene
Concen: 48.987 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455806		
134	27.1		13.7	41.1
91	22.8		11.3	33.8

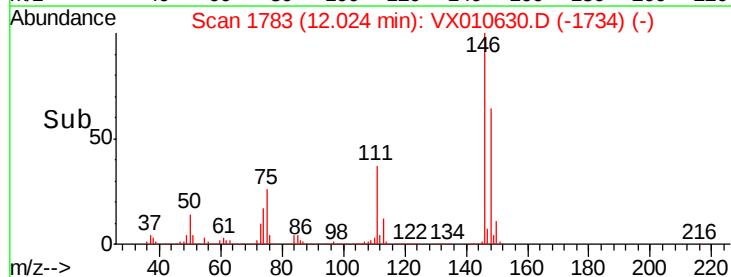
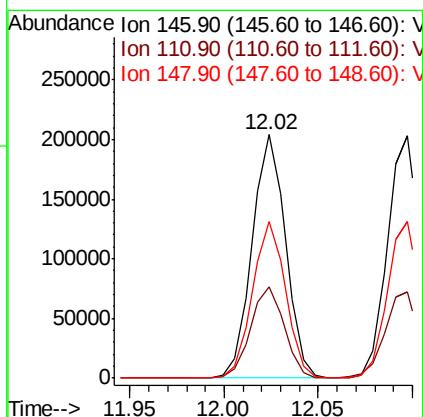
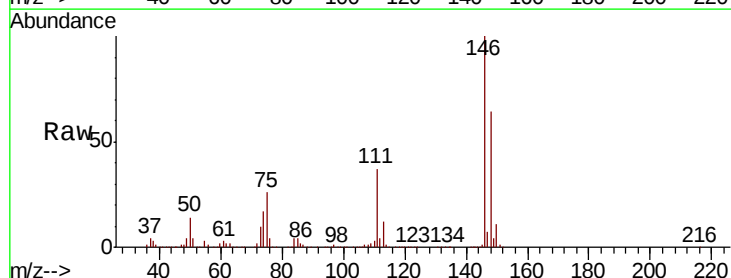
Manual Integrations
APPROVED

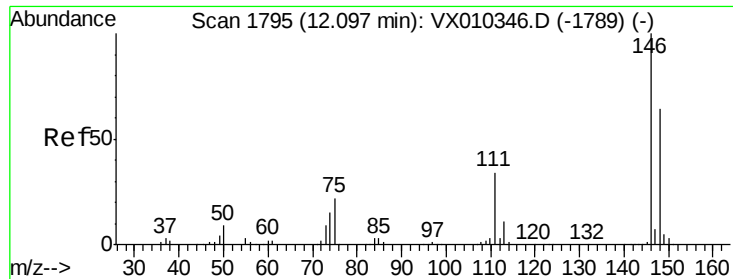
MMDadoda
7/3/2019 9:29:54 AM



#87
1,3-Dichlorobenzene
Concen: 49.773 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	251203		
111	37.8		19.1	57.1
148	63.5		32.5	97.4





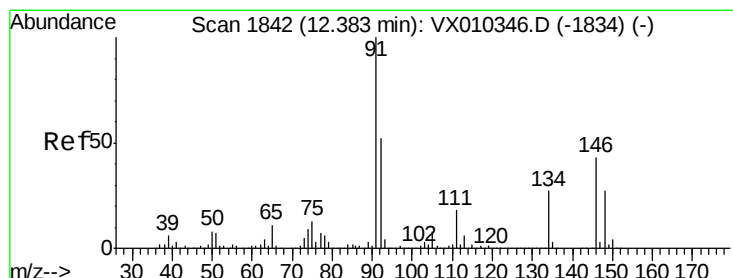
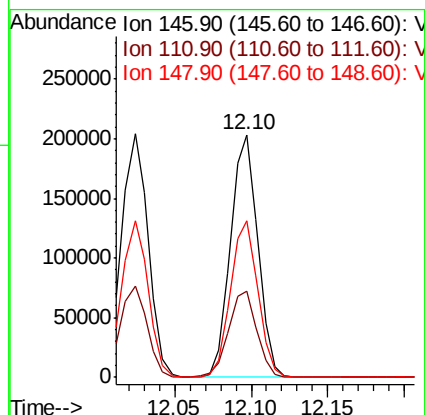
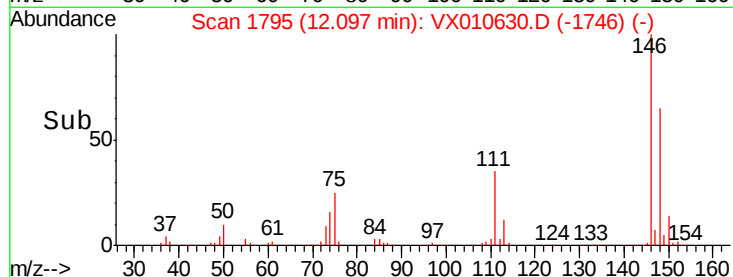
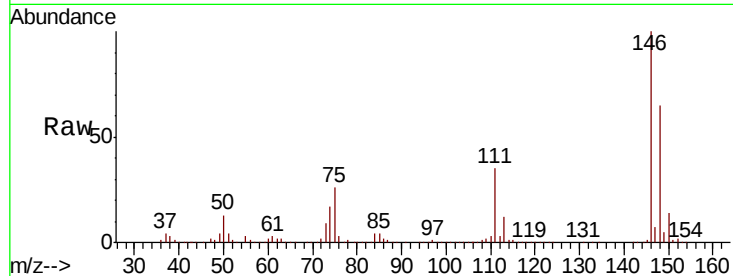
#88
1,4-Dichlorobenzene
Concen: 48.801 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.6	32.1	96.3

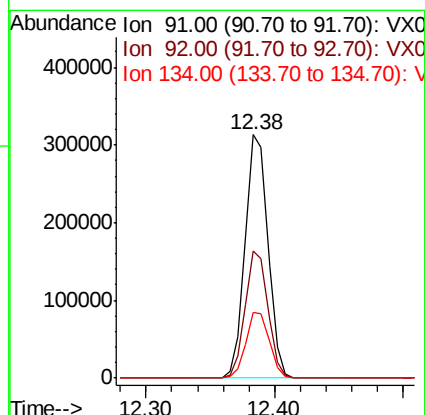
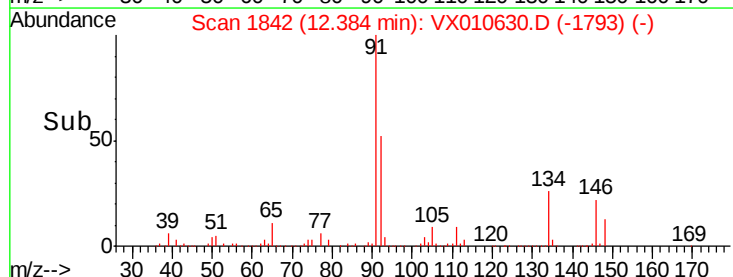
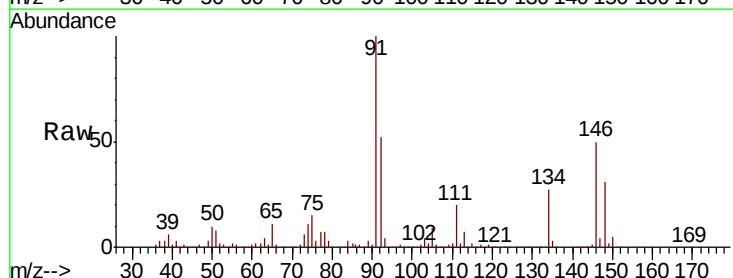
Manual Integrations
APPROVED

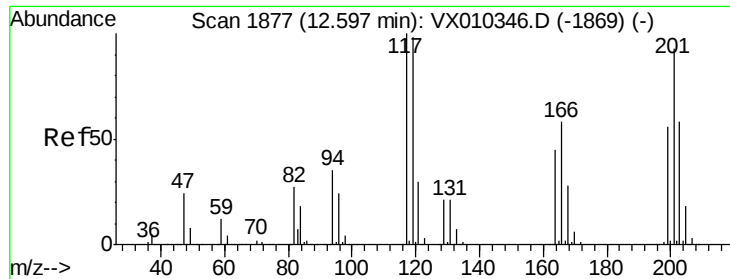
MMDadoda
7/3/2019 9:29:54 AM



#89
n-Butylbenzene
Concen: 48.499 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	27.3	14.1	42.4





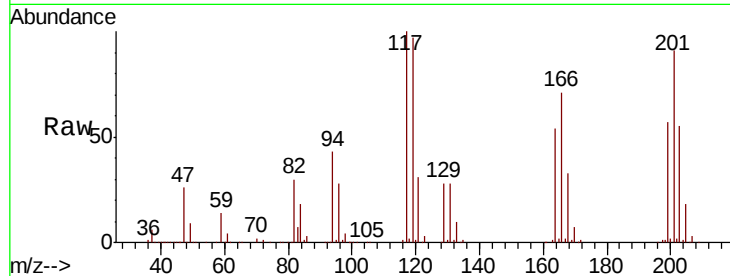
#90
Hexachloroethane
Concen: 48.314 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
MWHR2-6-070119MSD

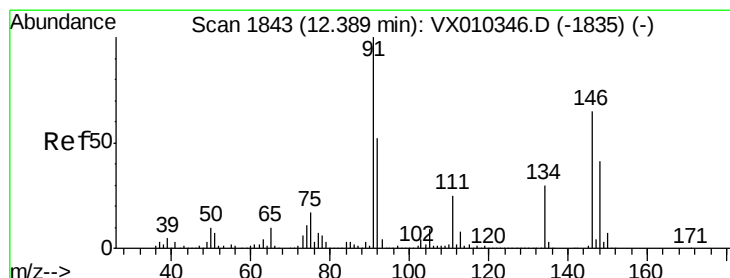
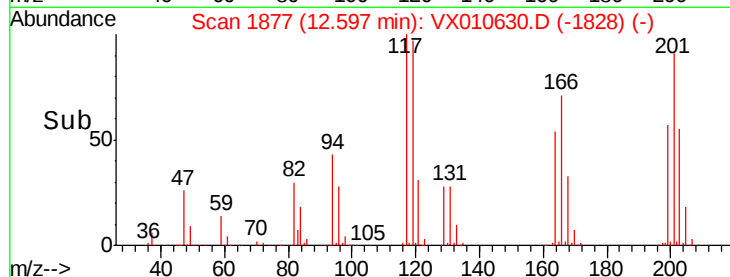
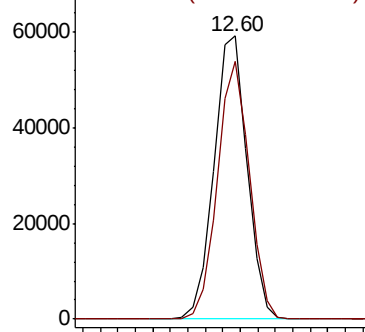
Tot Ion:117 Resp: 77733
Ion Ratio Lower Upper
117 100
201 88.1 44.0 131.8

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM

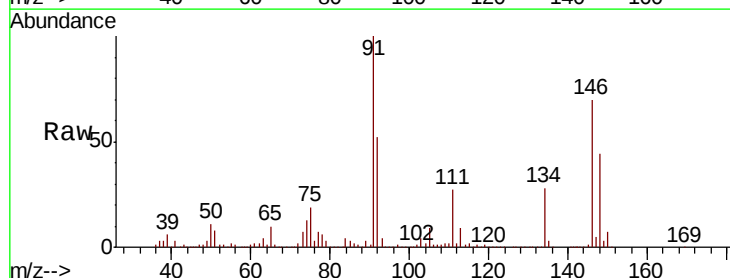


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

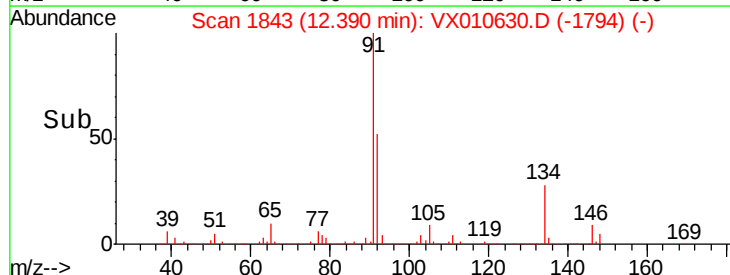
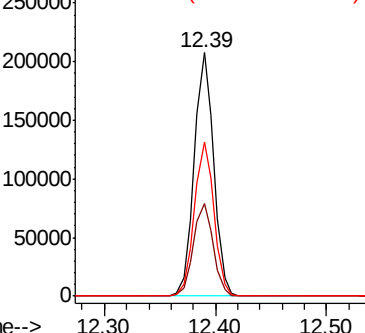


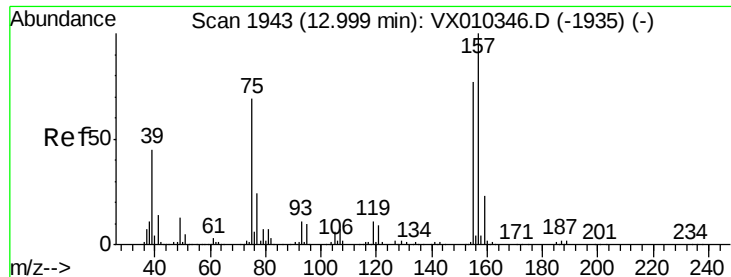
#91
1,2-Dichlorobenzene
Concen: 50.146 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010630.D
Acq: 02 Jul 2019 20:17

Tgt Ion:146 Resp: 251532
Ion Ratio Lower Upper
146 100
111 38.6 19.2 57.6
148 63.7 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.470 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

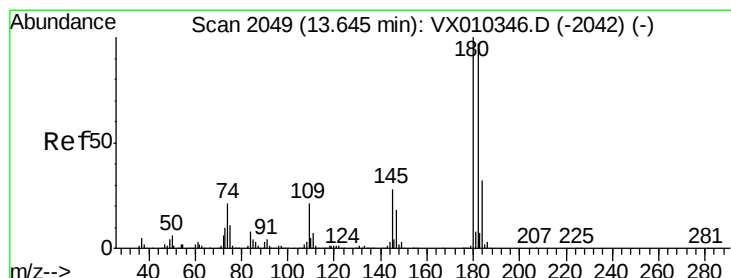
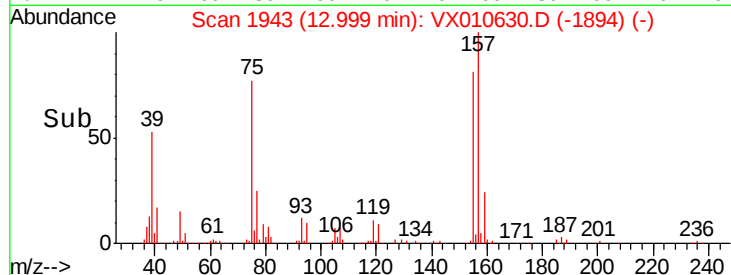
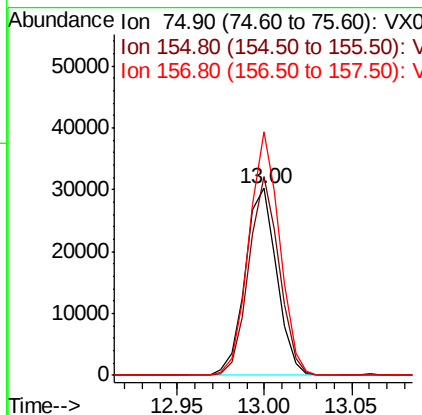
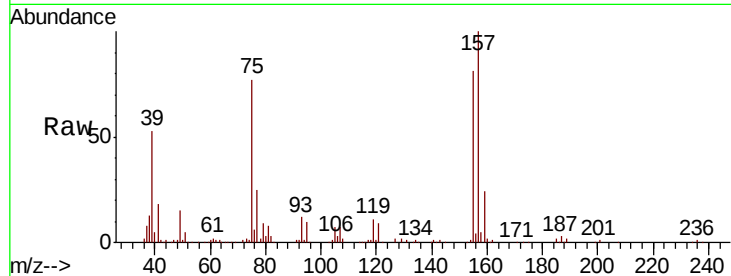
ClientSampleId :

MWHR2-6-070119MSD

Tot Ion:	75	Resp:	38054
Ion Ratio	Lower	Upper	
75	100		
155	101.6	54.4	163.1
157	126.1	69.5	208.3

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



#93

1,2,4-Trichlorobenzene

Concen: 49.818 ug/l

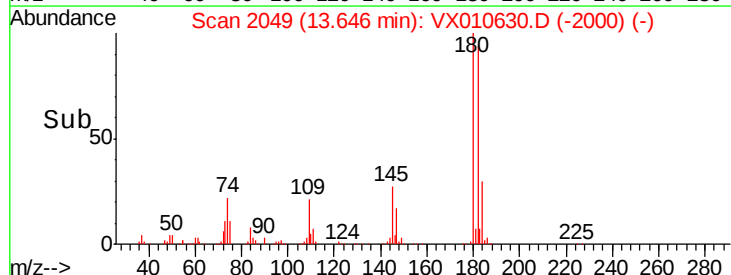
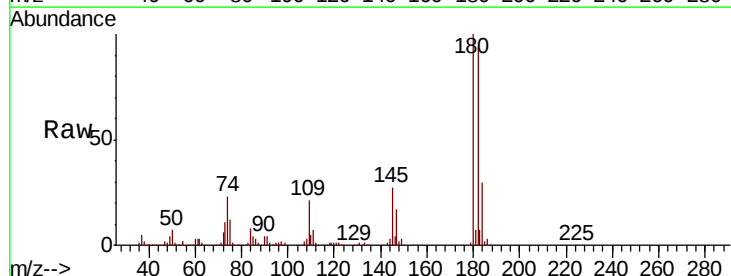
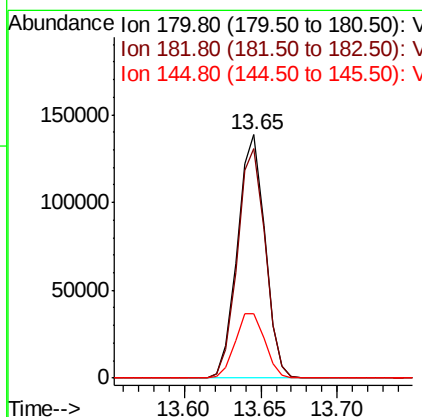
RT: 13.65 min Scan# 2049

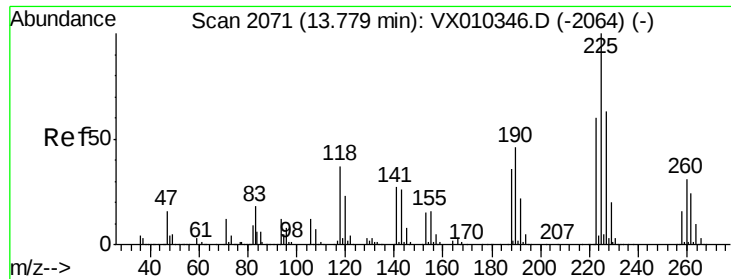
Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Tgt Ion:	180	Resp:	173292
Ion Ratio	Lower	Upper	
180	100		
182	95.4	48.0	144.0
145	28.5	14.4	43.4





#94

Hexachlorobutadiene

Concen: 44.572 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010630.D

Acq: 02 Jul 2019 20:17

Instrument :

MSVOA_X

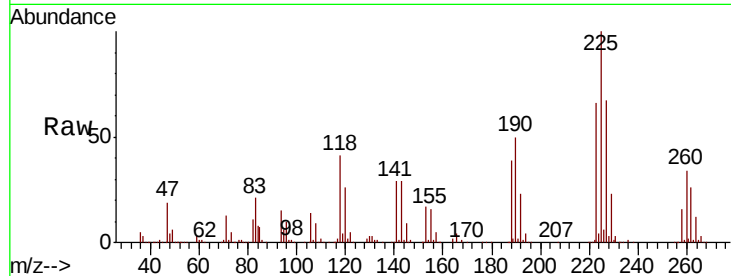
ClientSampleId :

MWHR2-6-070119MSD

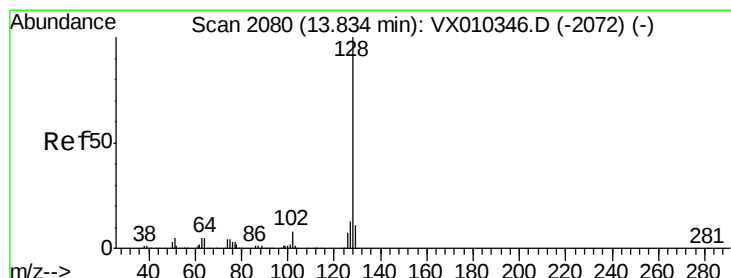
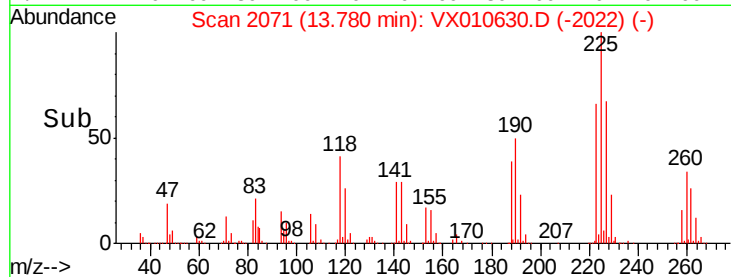
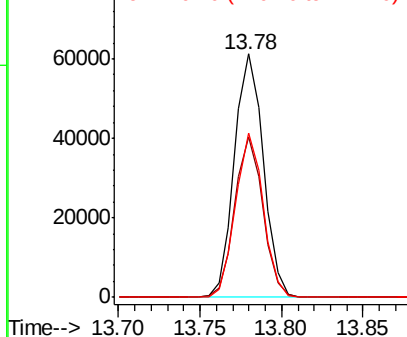
Tot Ion:	225	Resp:	75776
Ion Ratio	Lower	Upper	
225	100		
223	63.8	30.9	92.7
227	64.4	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/3/2019 9:29:54 AM



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: 52.242 ug/l

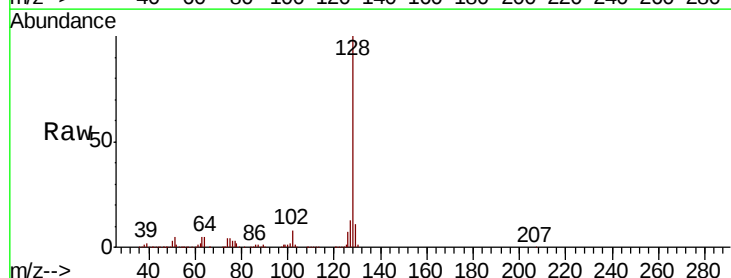
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

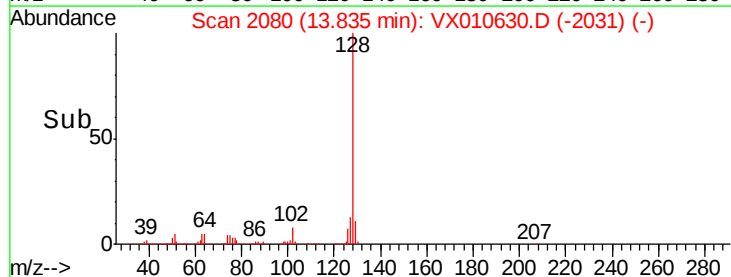
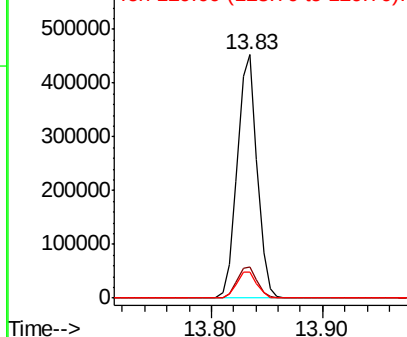
Lab File: VX010630.D

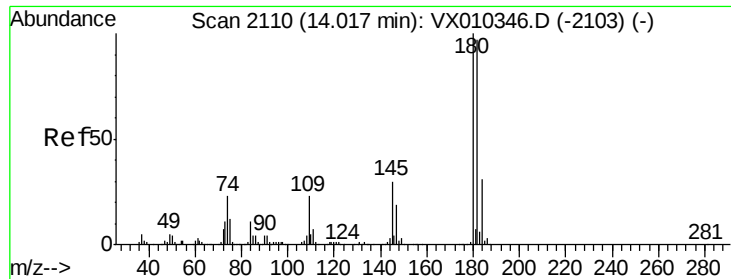
Acq: 02 Jul 2019 20:17

Tgt Ion:	128	Resp:	558454
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





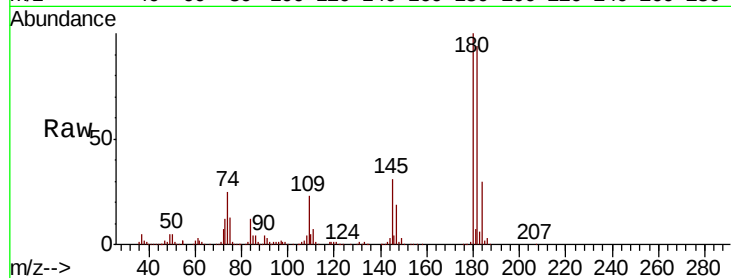
#96
 1,2,3-Trichlorobenzene
 Concen: 50.800 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010630.D
 Acq: 02 Jul 2019 20:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MWHR2-6-070119MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	47.8	143.3
145	30.7	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:29:54 AM



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

