

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010022.D
 Acq On : 01 Jun 2019 06:49
 Operator : JC/SP
 Sample : K3129-17MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	241091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	223028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	100517	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	5.50	113	73152	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
50) Toluene-d8	8.71	98	296115	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	11.13	95	109956	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	95802	53.445	ug/l	100
3) Chloromethane	1.32	50	109079	45.264	ug/l	99
4) Vinyl Chloride	1.41	62	101702	46.816	ug/l	99
5) Bromomethane	1.64	94	55107	41.868	ug/l	99
6) Chloroethane	1.71	64	62533	46.761	ug/l	98
7) Trichlorofluoromethane	1.93	101	117628	49.000	ug/l	98
8) Diethyl Ether	2.19	74	52427	46.474	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68019	46.931	ug/l	98
10) Methyl Iodide	2.51	142	78555	44.351	ug/l	99
11) Tert butyl alcohol	3.05	59	126875	248.798	ug/l	99
12) 1,1-Dichloroethene	2.37	96	74521	50.163	ug/l	98
13) Acrolein	2.29	56	80665	225.424	ug/l	99
14) Allyl chloride	2.73	41	171615	47.530	ug/l	100
15) Acrylonitrile	3.14	53	305634	248.743	ug/l	99
16) Acetone	2.45	43	267880	223.749	ug/l	98
17) Carbon Disulfide	2.57	76	217036	48.261	ug/l	99
18) Methyl Acetate	2.78	43	128133	45.995	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	286737	51.124	ug/l	99
20) Methylene Chloride	2.85	84	90801	49.526	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	80031	48.417	ug/l	99
22) Diisopropyl ether	3.85	45	345871	50.345	ug/l	93
23) Vinyl Acetate	3.82	43	1386809	224.703	ug/l	99
24) 1,1-Dichloroethane	3.70	63	167726	50.378	ug/l	99
25) 2-Butanone	4.67	43	456247	244.601	ug/l	100
26) 2,2-Dichloropropane	4.58	77	71788	28.504	ug/l #	70
27) cis-1,2-Dichloroethene	4.60	96	326039	170.874	ug/l	89
28) Bromochloromethane	5.01	49	82292	47.631	ug/l	97
29) Tetrahydrofuran	5.13	42	301564	252.117	ug/l	99
30) Chloroform	5.21	83	153367	51.078	ug/l	100
31) Cyclohexane	5.58	56	154747	49.074	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	127990	52.341	ug/l	99
36) 1,1-Dichloropropene	5.80	75	114932	46.985	ug/l	99
37) Ethyl Acetate	4.84	43	154677	45.381	ug/l	100
38) Carbon Tetrachloride	5.79	117	107783	50.990	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010022.D
 Acq On : 01 Jun 2019 06:49
 Operator : JC/SP
 Sample : K3129-17MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	133851	46.130	ug/l	99
40) Benzene	6.14	78	359764	49.579	ug/l	99
41) Methacrylonitrile	5.04	41	97190	48.799	ug/l	99
42) 1,2-Dichloroethane	6.19	62	132753	49.486	ug/l	99
43) Isopropyl Acetate	6.45	43	255826	46.517	ug/l	99
44) Trichloroethene	7.21	130	86538	49.097	ug/l	98
45) 1,2-Dichloropropane	7.51	63	102490	49.065	ug/l	95
46) Dibromomethane	7.66	93	58818	47.837	ug/l	97
47) Bromodichloromethane	7.90	83	119888	51.275	ug/l	100
48) Methyl methacrylate	7.77	41	137412	50.473	ug/l	99
49) 1,4-Dioxane	7.74	88	49618	979.799	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	909956	254.351	ug/l	100
52) Toluene	8.79	92	221654	50.309	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	131063	46.739	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141941	46.458	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	89837	50.661	ug/l	98
56) Ethyl methacrylate	9.18	69	166319	52.683	ug/l	100
57) 1,3-Dichloropropane	9.37	76	156359	49.098	ug/l	99
59) 2-Hexanone	9.49	43	706919	256.653	ug/l	99
60) Dibromochloromethane	9.58	129	91627	52.527	ug/l	100
61) 1,2-Dibromoethane	9.67	107	92616	50.838	ug/l	99
64) Tetrachloroethene	9.34	164	74563	47.863	ug/l	95
65) Chlorobenzene	10.14	112	231639	49.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	84135	51.953	ug/l	99
67) Ethyl Benzene	10.25	91	424947	50.689	ug/l	99
68) m/p-Xylenes	10.36	106	311107	100.449	ug/l	99
69) o-Xylene	10.69	106	153090	51.540	ug/l	98
70) Styrene	10.71	104	270632	51.960	ug/l	99
71) Bromoform	10.85	173	72675	54.901	ug/l	97
73) Isopropylbenzene	11.02	105	403071	49.880	ug/l	99
74) N-amyl acetate	10.90	43	223918	46.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	152967	50.740	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	130601m	49.866	ug/l	
77) Bromobenzene	11.26	156	103967	50.485	ug/l	95
78) n-propylbenzene	11.36	91	460931	49.486	ug/l	99
79) 2-Chlorotoluene	11.42	91	278862	49.002	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	342647	50.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	44197	41.753	ug/l	100
82) 4-Chlorotoluene	11.51	91	323413	48.819	ug/l	99
83) tert-Butylbenzene	11.77	119	335204	51.467	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	344676	49.855	ug/l	100
85) sec-Butylbenzene	11.94	105	387906	50.063	ug/l	100
86) p-Isopropyltoluene	12.06	119	353372	50.703	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	181161	49.412	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182863	48.906	ug/l	98
89) n-Butylbenzene	12.38	91	310511	47.408	ug/l	99
90) Hexachloroethane	12.60	117	62039	51.870	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	184889	51.149	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34639	48.814	ug/l	95
93) 1,2,4-Trichlorobenzene	13.65	180	127531	49.370	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
Data File : VX010022.D
Acq On : 01 Jun 2019 06:49
Operator : JC/SP
Sample : K3129-17MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

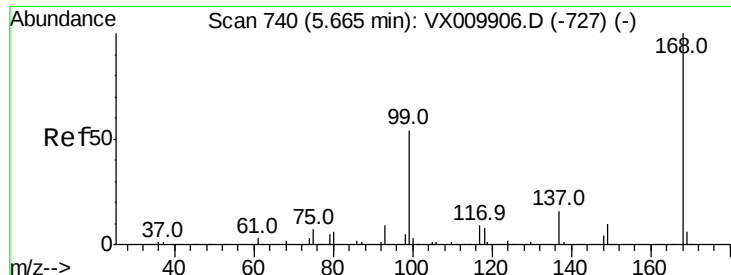
Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM

Quant Time: Jun 03 00:56:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	60850	46.965	ug/l	99
95) Naphthalene	13.83	128	413521	51.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	128400	49.658	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: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion:168 Resp: 146691

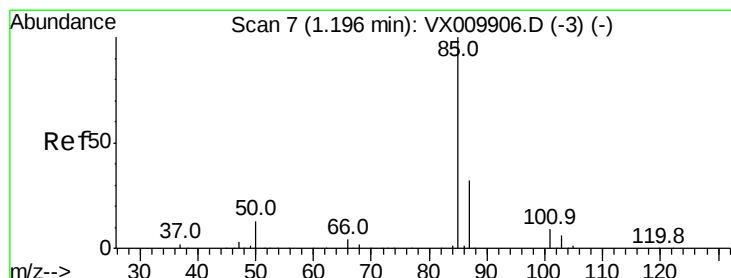
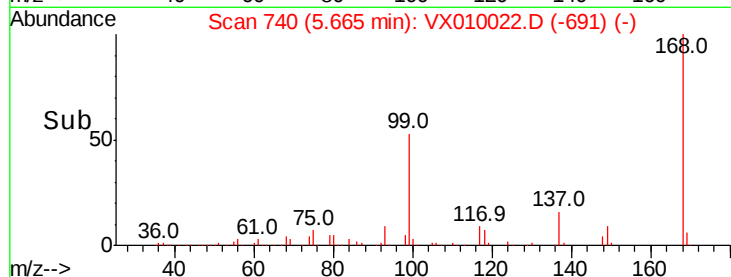
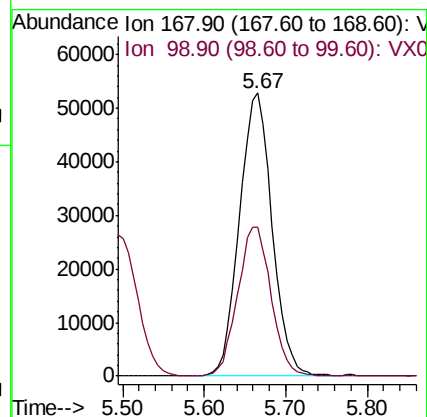
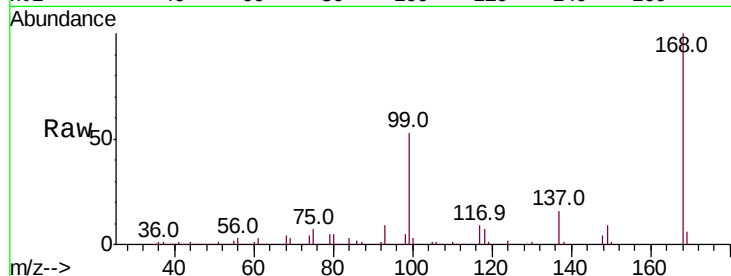
Ion Ratio Lower Upper

168 100

99 52.5 43.0 64.6

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#2

Dichlorodifluoromethane

Concen: 53.445 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010022.D

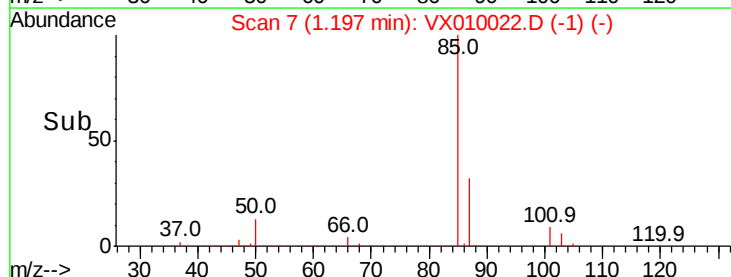
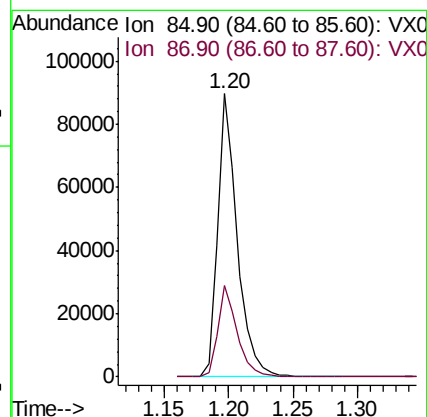
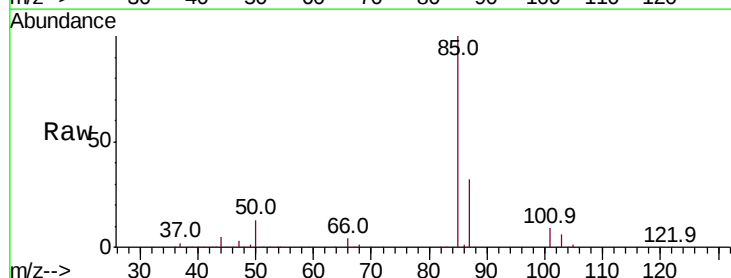
Acq: 01 Jun 2019 06:49

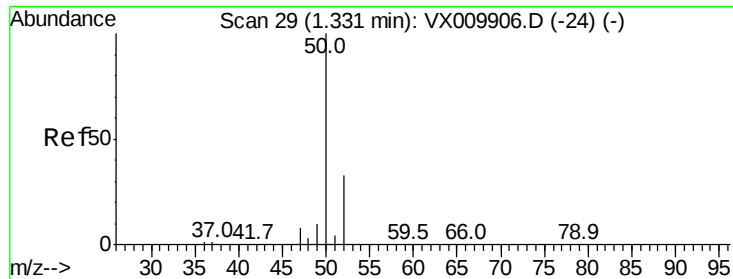
Tgt Ion: 85 Resp: 95802

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2





#3

Chloromethane

Concen: 45.264 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 50 Resp: 109079

Ion Ratio Lower Upper

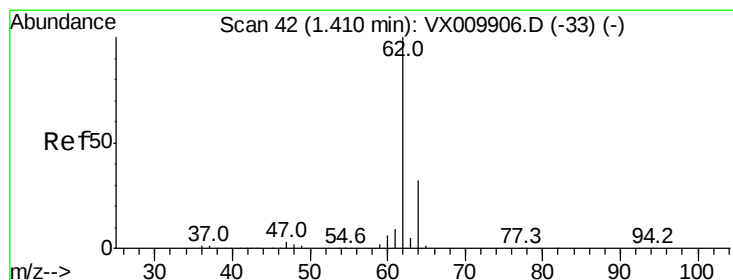
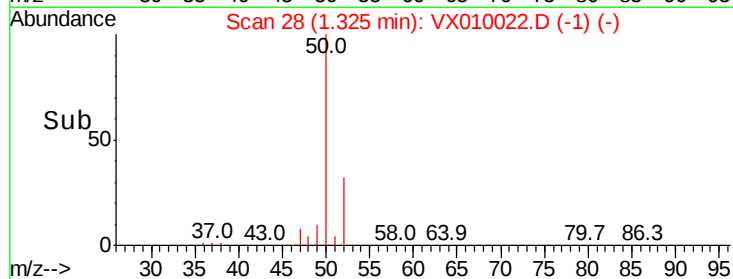
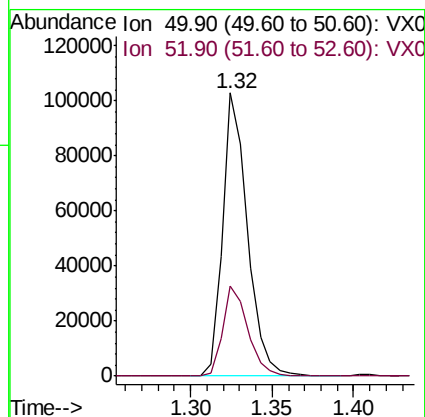
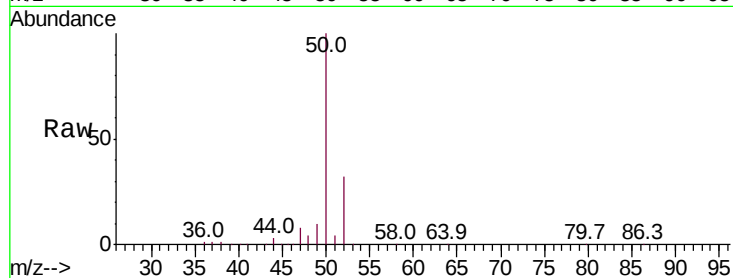
50 100

52 32.0 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

6/3/2019 9:34:35 AM



#4

Vinyl Chloride

Concen: 46.816 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010022.D

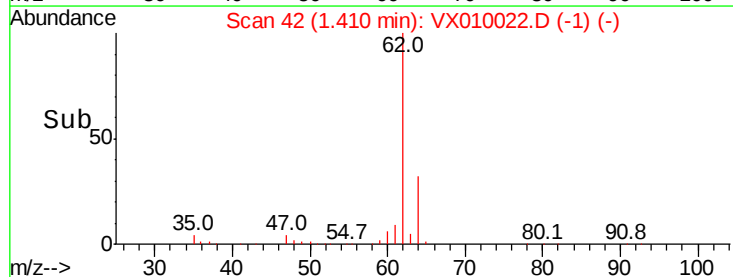
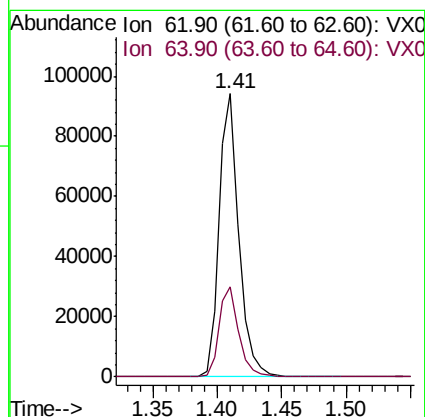
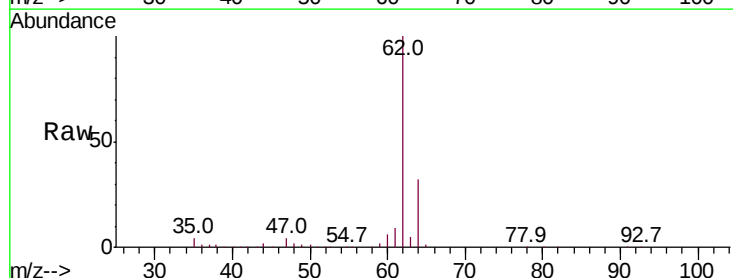
Acq: 01 Jun 2019 06:49

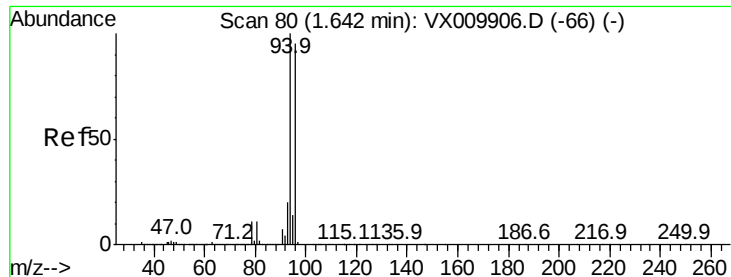
Tgt Ion: 62 Resp: 101702

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 41.868 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 94 Resp: 55107

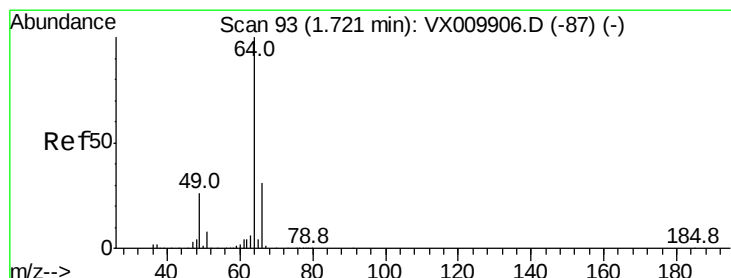
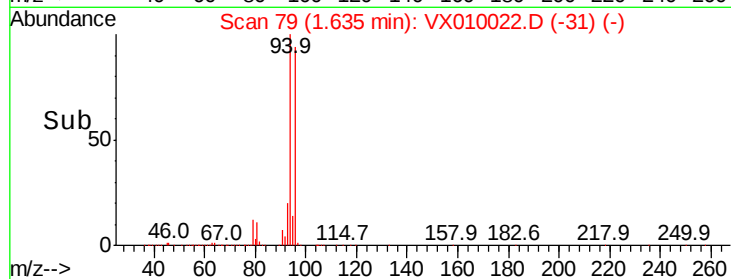
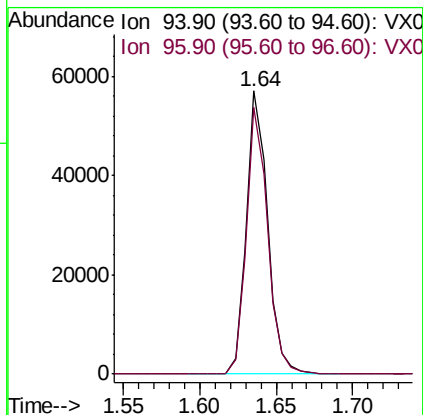
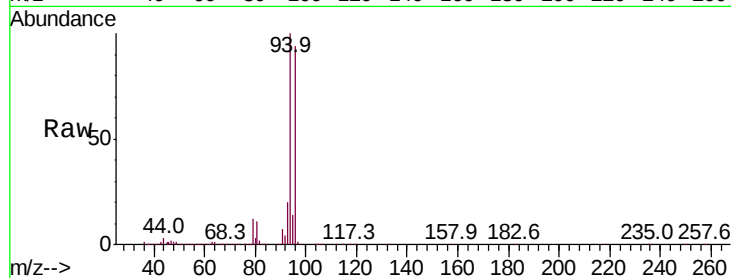
Ion Ratio Lower Upper

94 100

96 94.3 76.2 114.4

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#6

Chloroethane

Concen: 46.761 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX010022.D

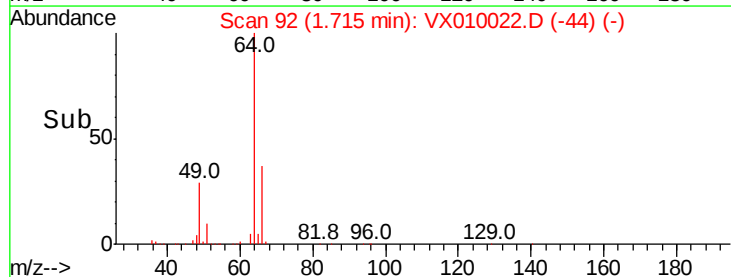
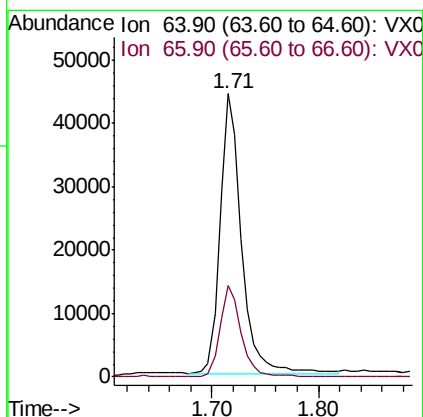
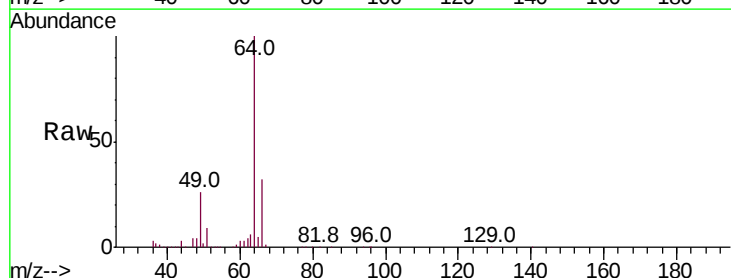
Acq: 01 Jun 2019 06:49

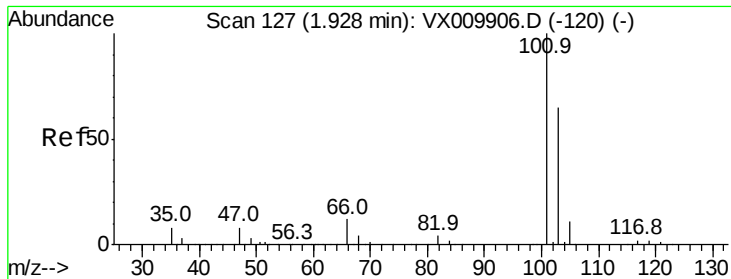
Tgt Ion: 64 Resp: 62533

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7





#7

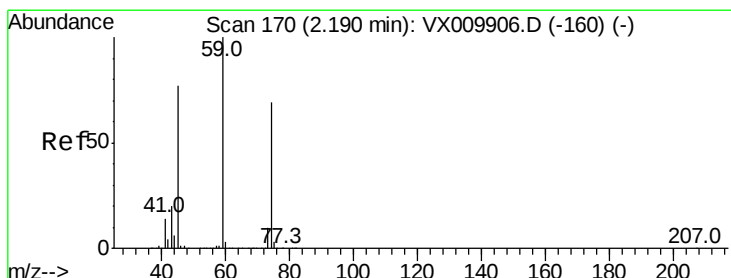
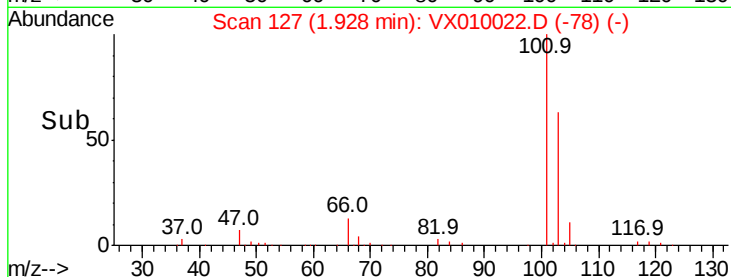
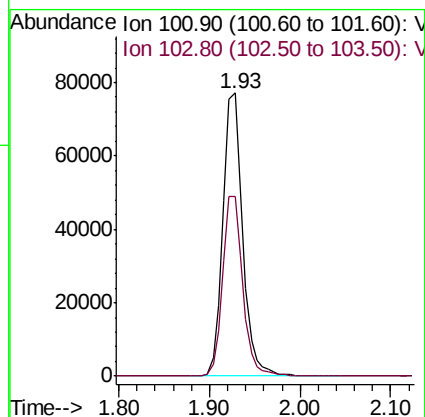
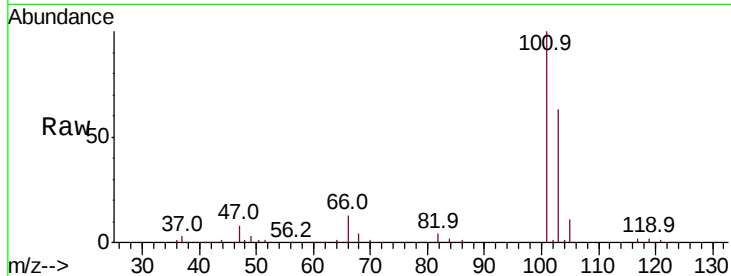
Trichlorofluoromethane
Concen: 49.000 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:101 Resp: 117628
Ion Ratio Lower Upper
101 100
103 63.4 52.2 78.4

Manual Integrations
APPROVED

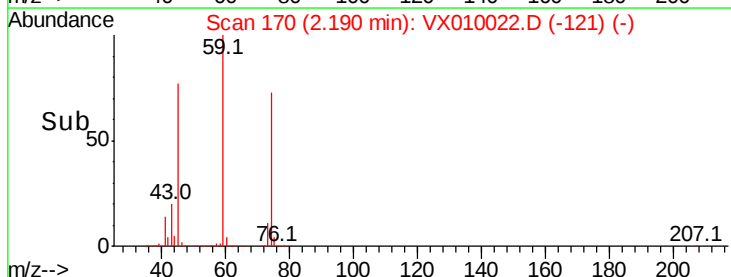
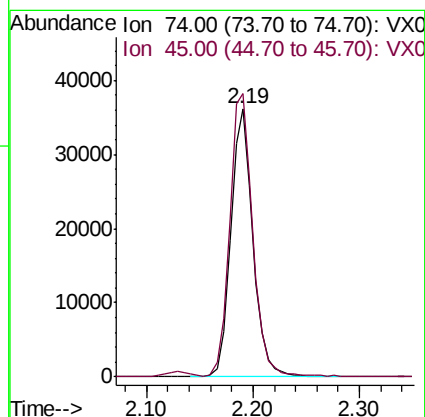
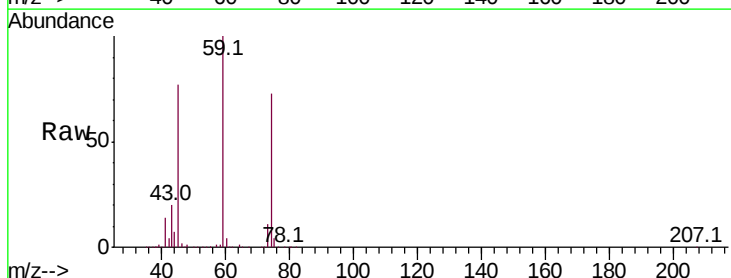
MMDadoda
6/3/2019 9:34:35 AM

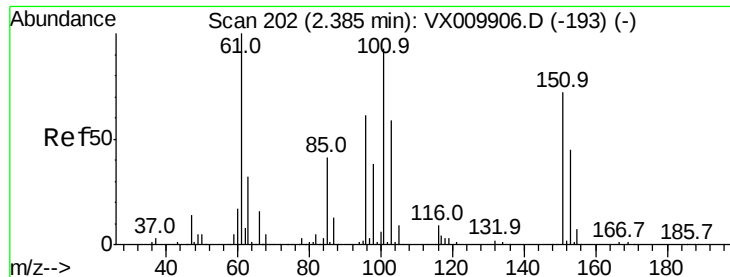


#8

Diethyl Ether
Concen: 46.474 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 74 Resp: 52427
Ion Ratio Lower Upper
74 100
45 109.0 56.1 168.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.931 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

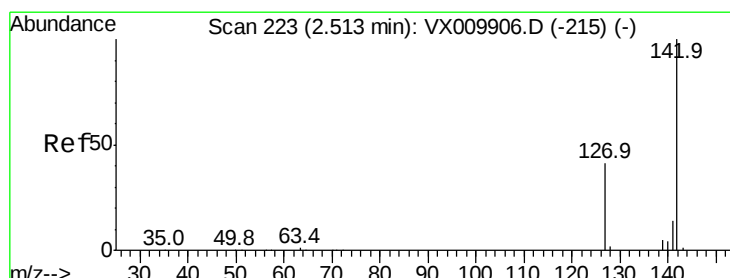
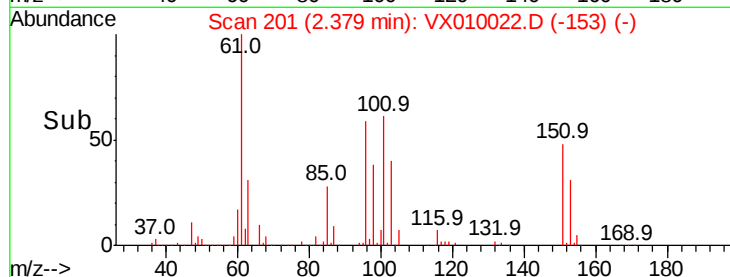
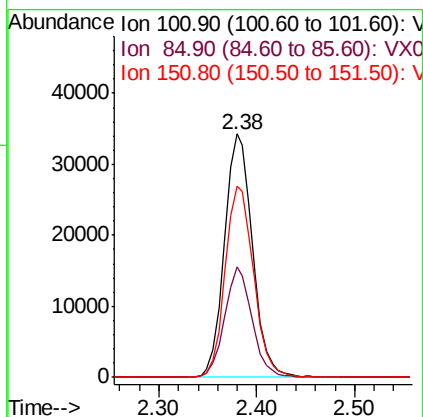
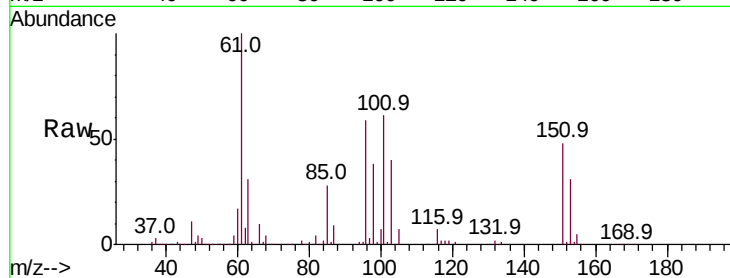
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	101	Resp:	68019
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.2	52.8
151	79.9	61.9	92.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#10

Methyl Iodide

Concen: 44.351 ug/l

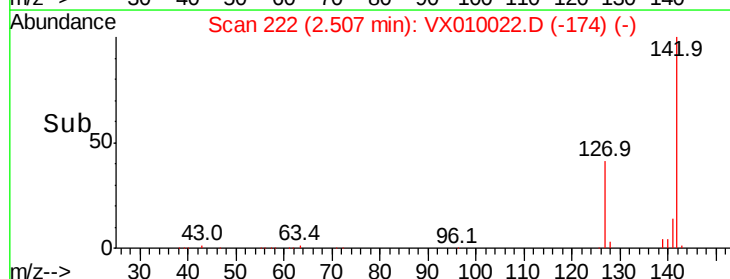
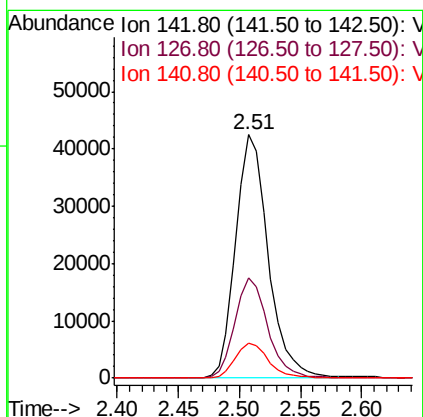
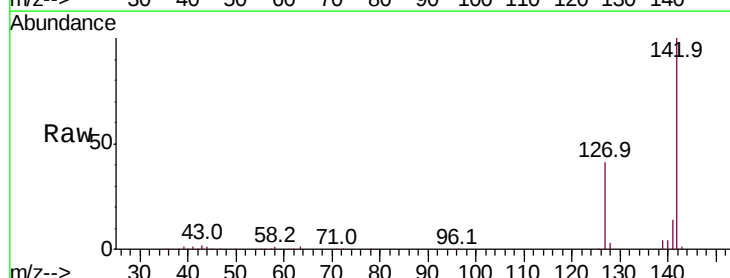
RT: 2.51 min Scan# 222

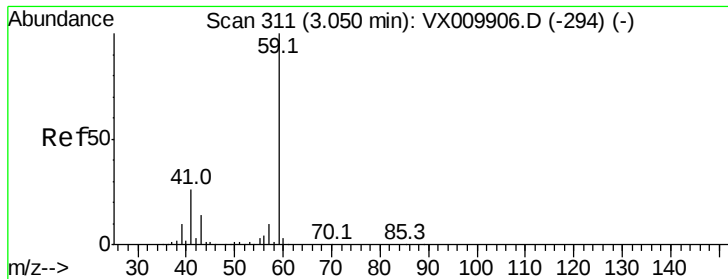
Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	142	Resp:	78555
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.0	49.4
141	14.6	11.4	17.0





#11

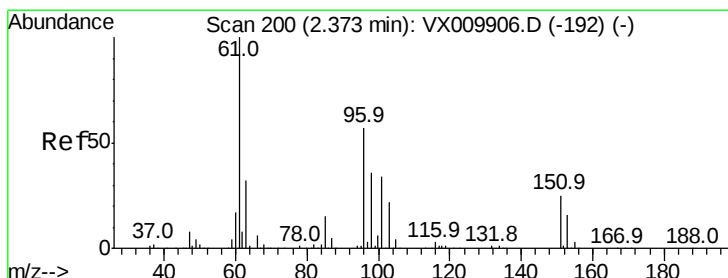
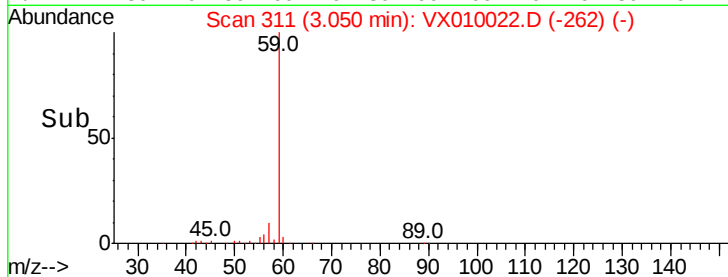
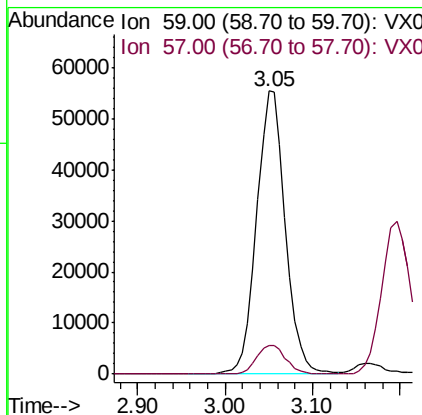
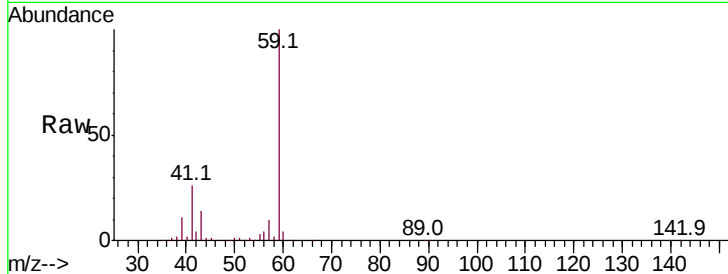
Tert butyl alcohol
Concen: 248.798 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	59	57	Ratio	100	10.4	Resp	126875	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.4	Resp	126875	Lower	8.2	Upper	12.2

Manual Integrations
APPROVED

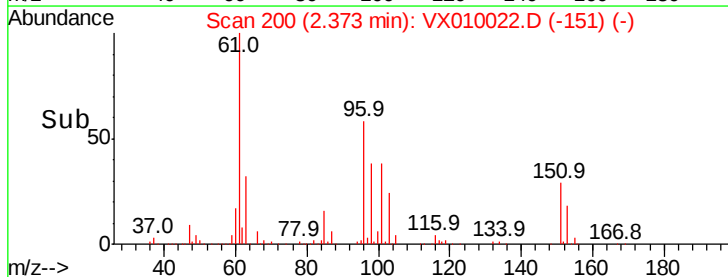
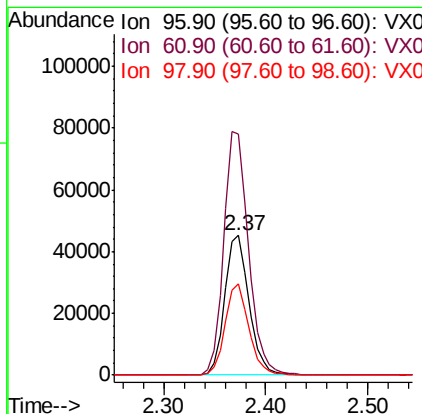
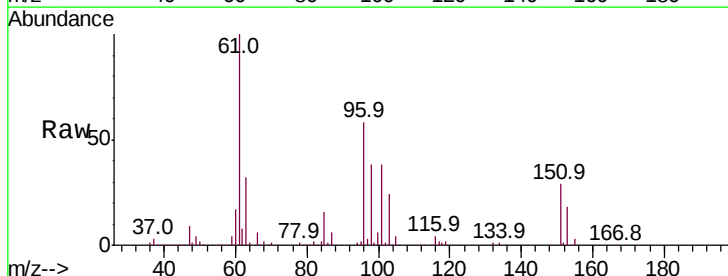
MMDadoda
6/3/2019 9:34:35 AM

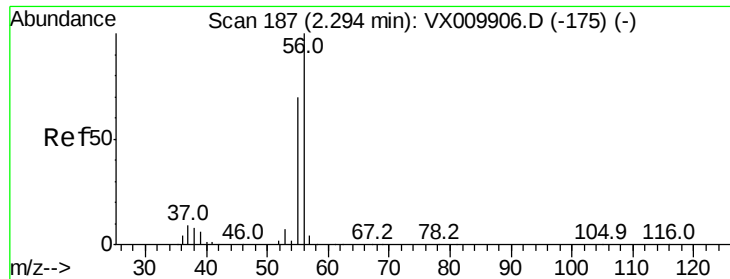


#12

1,1-Dichloroethene
Concen: 50.163 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	96	61	98	Ratio	100	173.2	65.6	Resp	74521	Lower	140.7	50.1	Upper	211.1	75.1
Ion	96	61	98	Ratio	100	173.2	65.6	Resp	74521	Lower	140.7	50.1	Upper	211.1	75.1





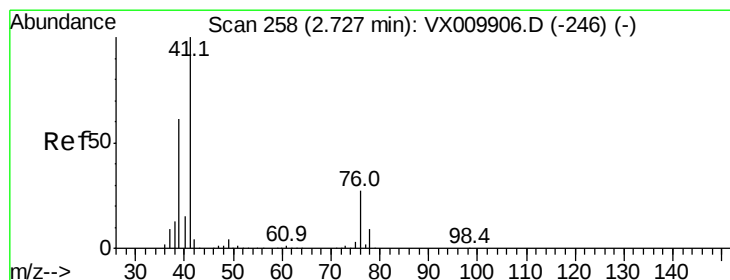
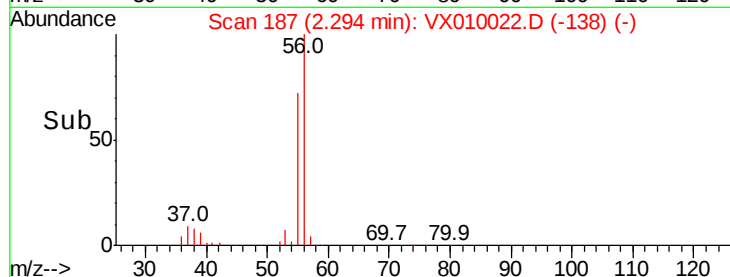
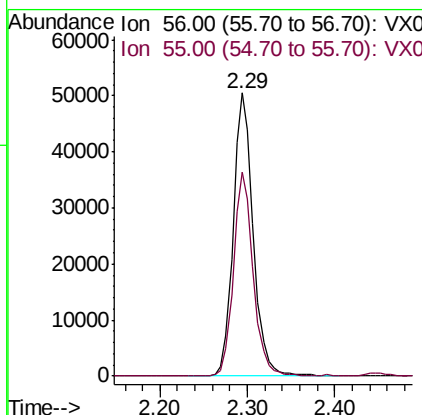
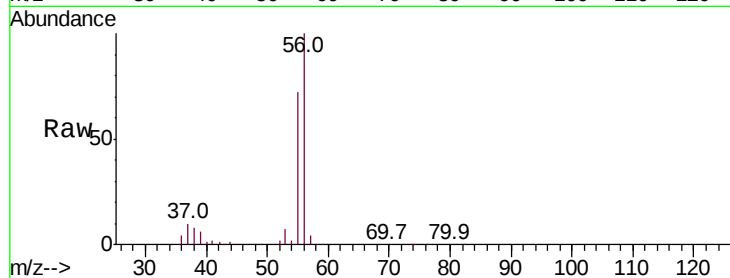
#13
Acrolein
Concen: 225.424 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	56	Resp	80665
Ion Ratio	100	Lower	Upper
55	70.4	57.0	85.4

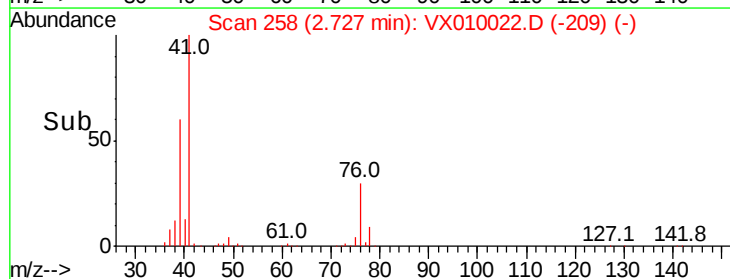
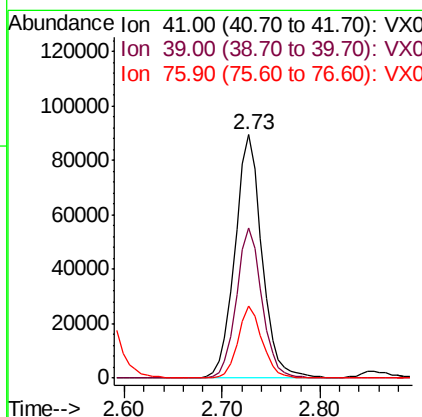
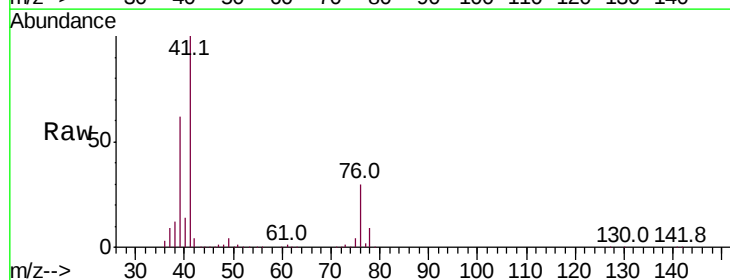
Manual Integrations
APPROVED

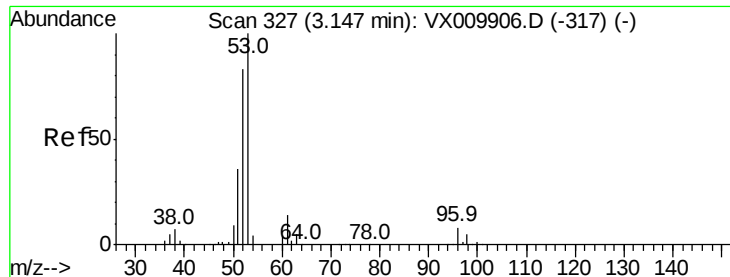
MMDadoda
6/3/2019 9:34:35 AM



#14
Allyl chloride
Concen: 47.530 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	41	Resp	171615
Ion Ratio	100	Lower	Upper
39	58.2	46.7	70.1
76	26.2	21.0	31.4





#15

Acrylonitrile

Concen: 248.743 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

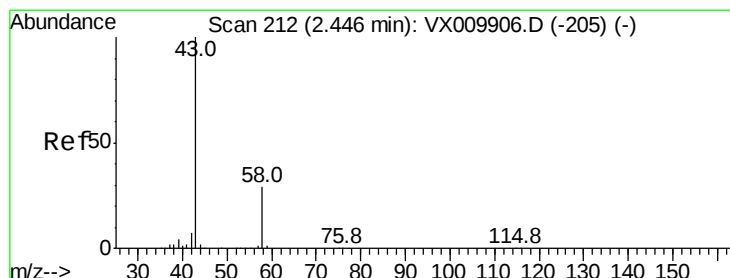
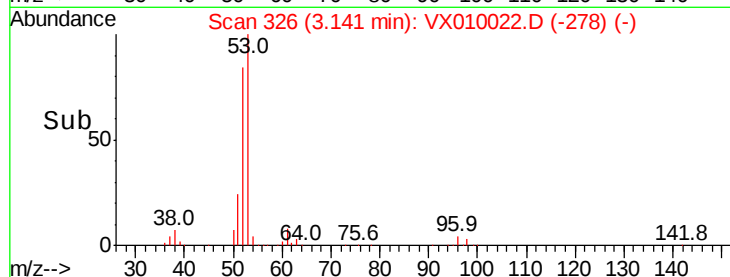
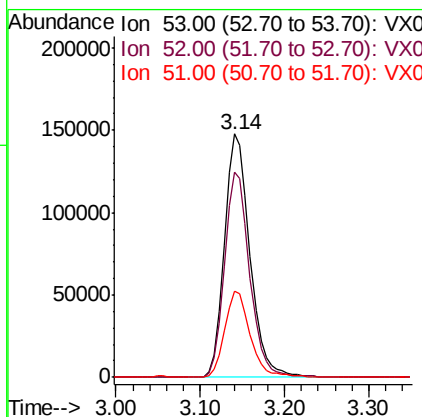
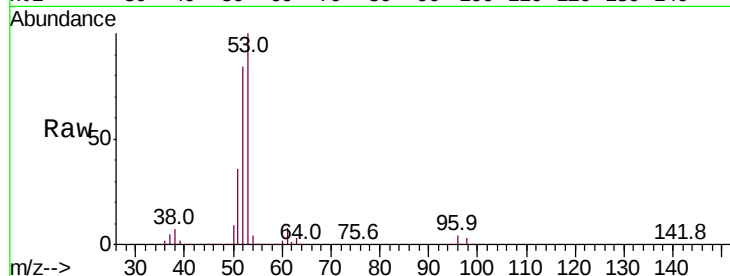
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	53	Resp:	305634
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.7	100.1
51	35.6	28.8	43.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#16

Acetone

Concen: 223.749 ug/l

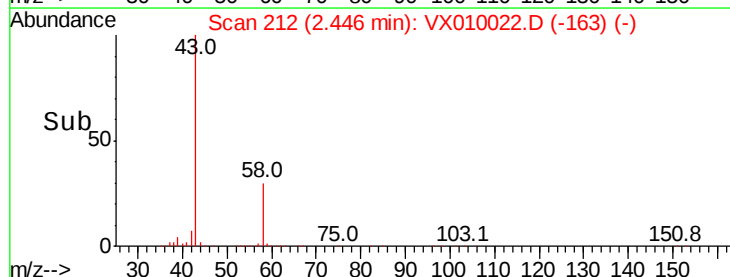
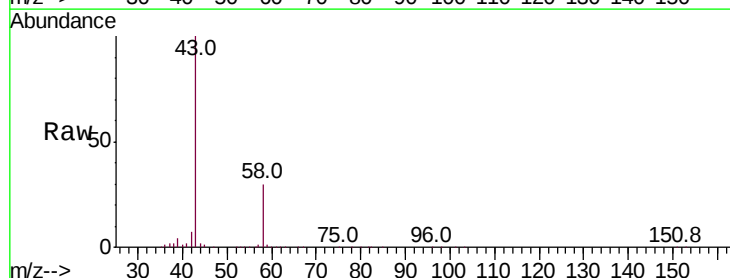
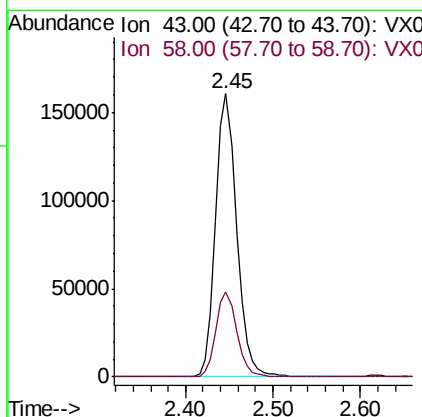
RT: 2.45 min Scan# 212

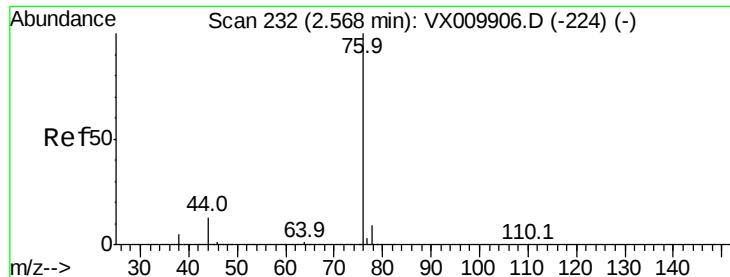
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	43	Resp:	267880
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.2	34.8





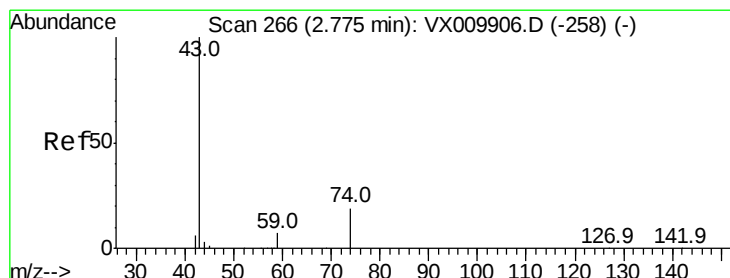
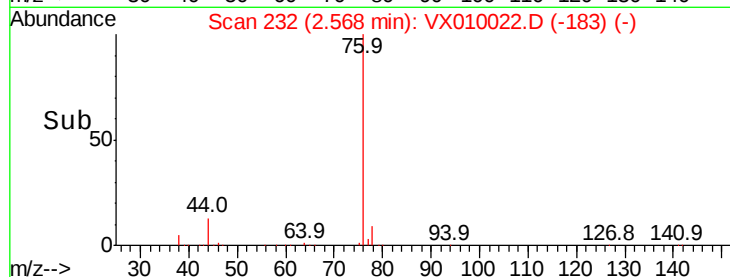
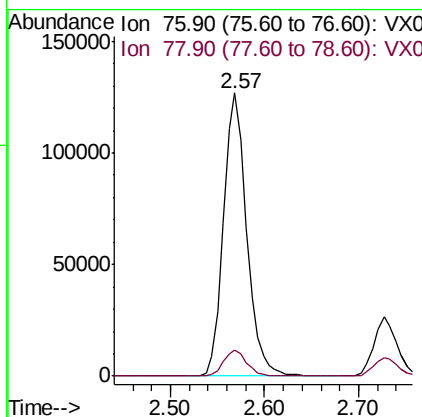
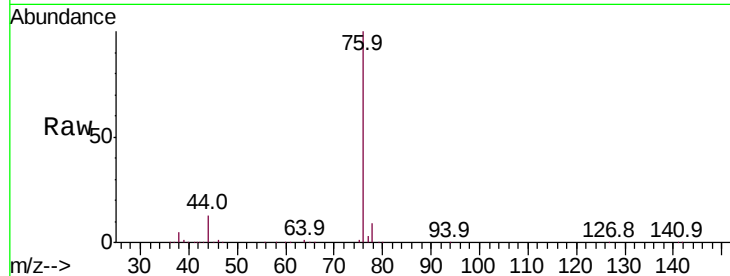
#17
Carbon Disulfide
Concen: 48.261 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

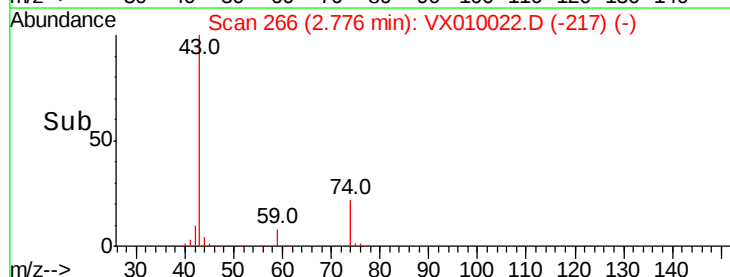
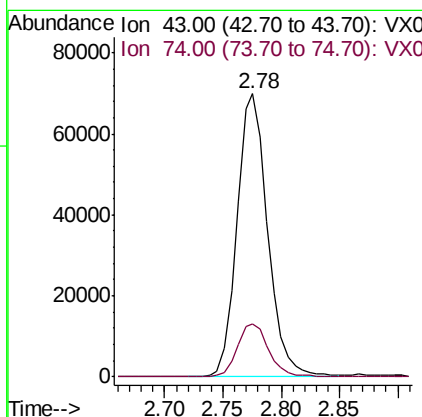
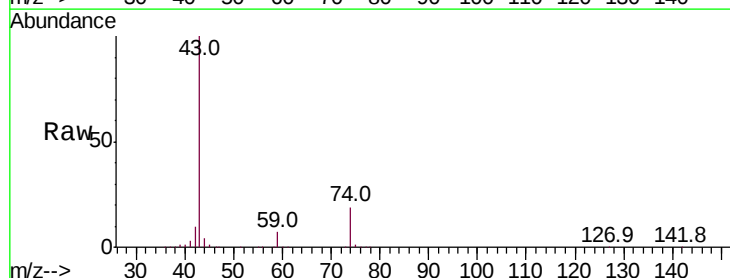
Manual Integrations
APPROVED

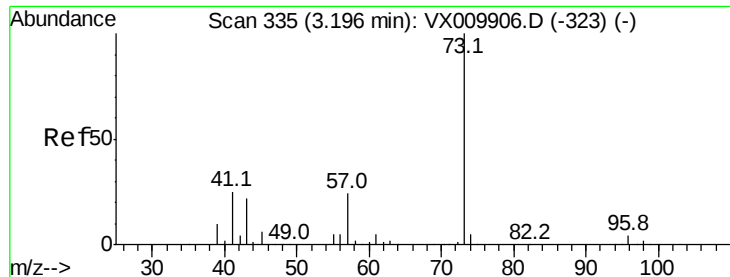
MMDadoda
6/3/2019 9:34:35 AM



#18
Methyl Acetate
Concen: 45.995 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.7	15.8	23.6





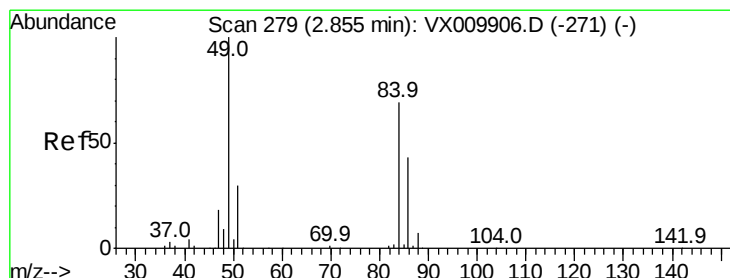
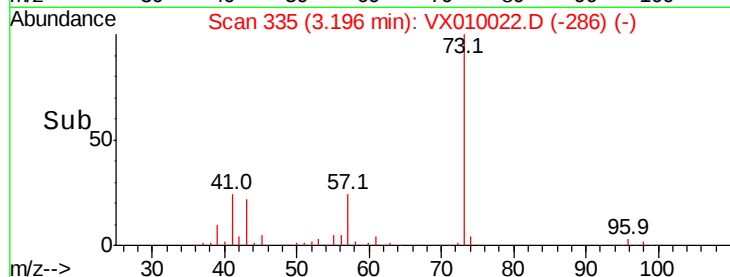
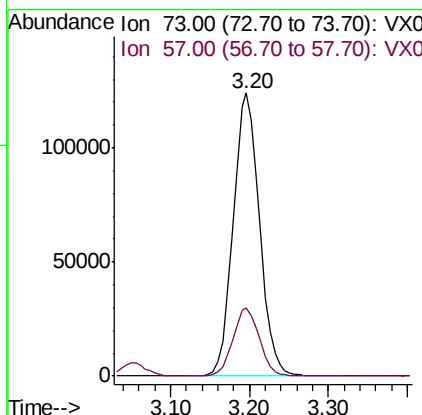
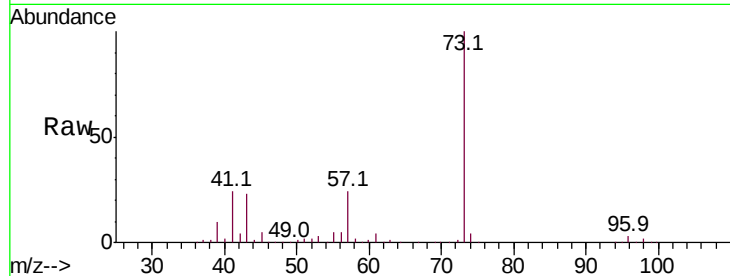
#19
Methvl tert-butvl Ether
Concen: 51.124 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.4	29.2

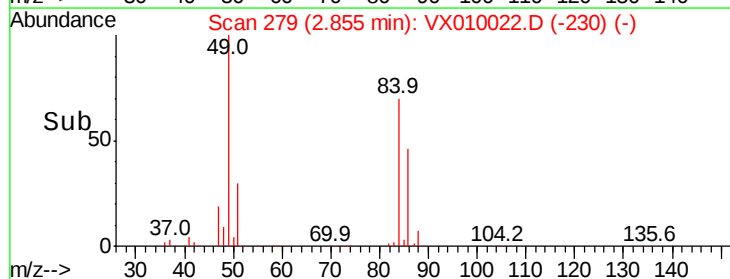
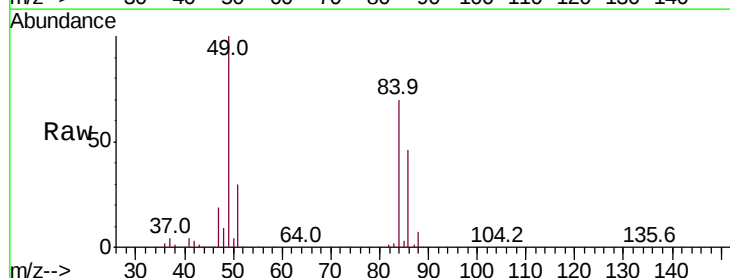
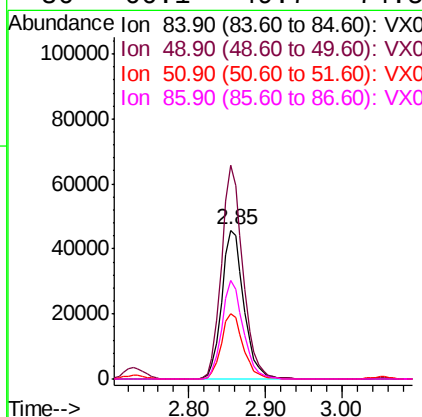
Manual Integrations
APPROVED

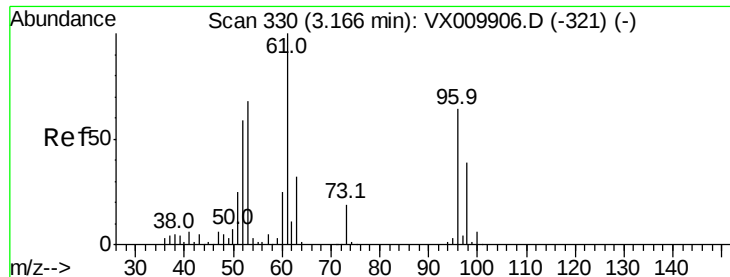
MMDadoda
6/3/2019 9:34:35 AM



#20
Methylene Chloride
Concen: 49.526 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.2	115.8	173.6
51	43.6	34.4	51.6
86	66.1	49.7	74.5





#21

trans-1,2-Dichloroethene

Concen: 48.417 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 96 Resp: 80031

Ion Ratio Lower Upper

96 100

61 156.2 125.7 188.5

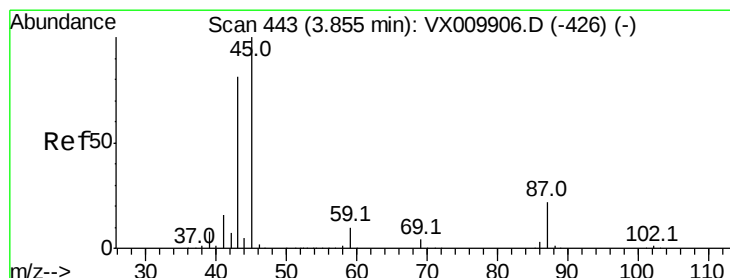
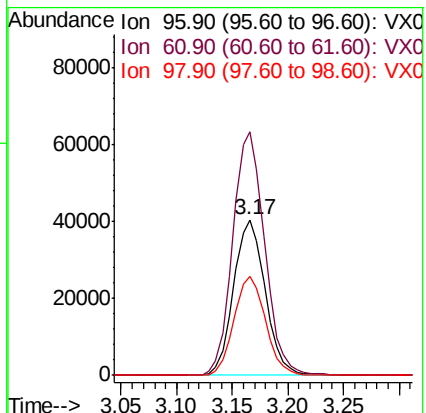
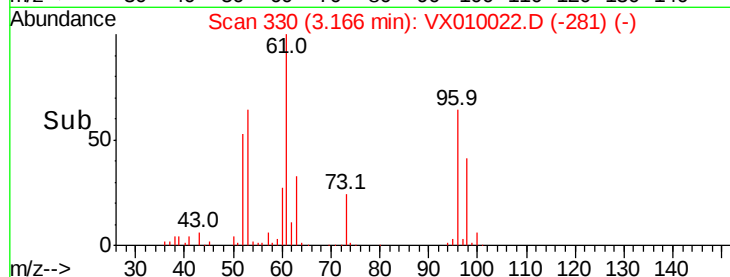
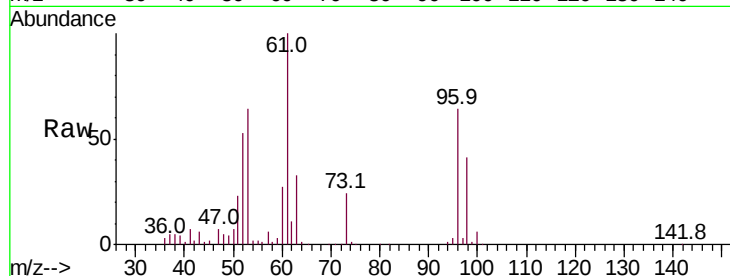
98 63.8 49.0 73.6

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:35 AM



#22

Diisopropyl ether

Concen: 50.345 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion: 45 Resp: 345871

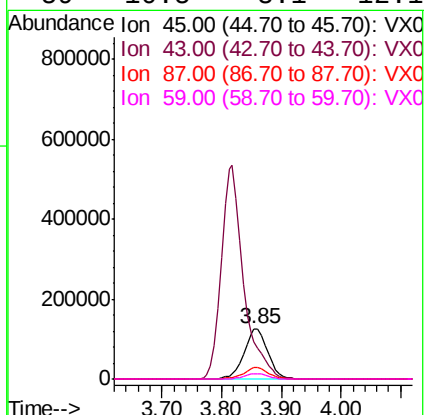
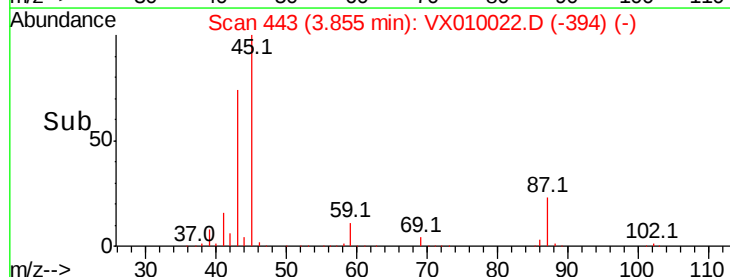
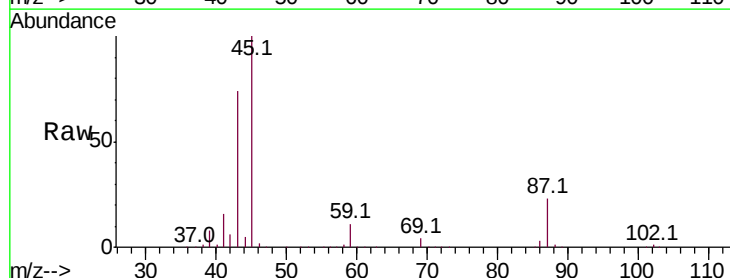
Ion Ratio Lower Upper

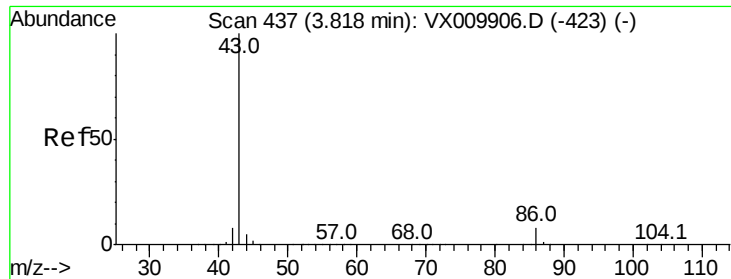
45 100

43 73.8 65.0 97.4

87 23.3 17.3 25.9

59 10.5 8.1 12.1





#23

Vinyl Acetate

Concen: 224.703 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 43 Resp: 1386809

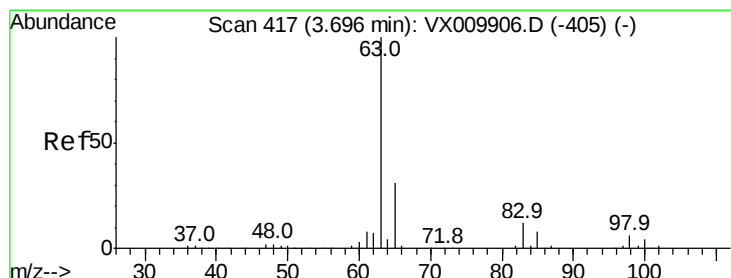
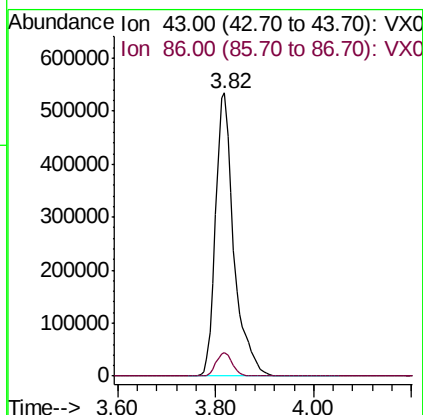
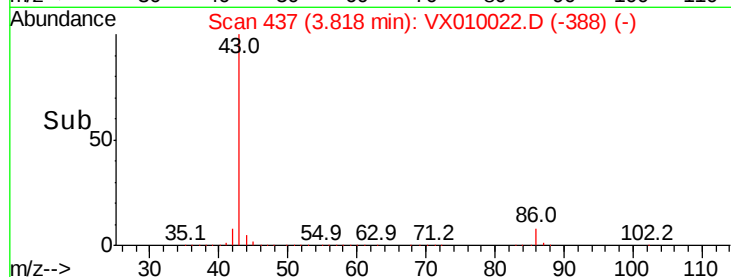
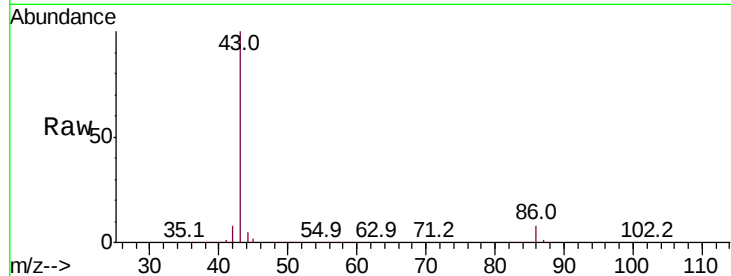
Ion Ratio Lower Upper

43 100

86 8.3 6.5 9.7

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#24

1,1-Dichloroethane

Concen: 50.378 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

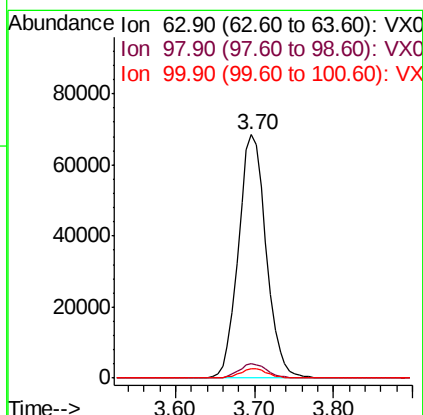
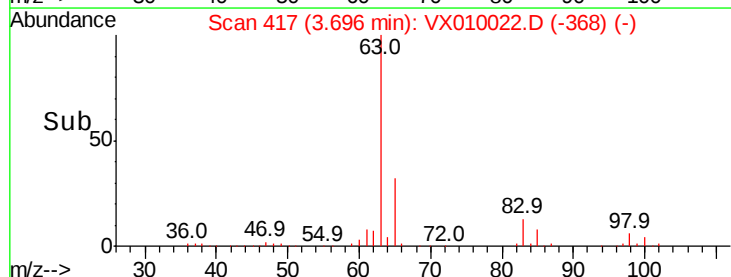
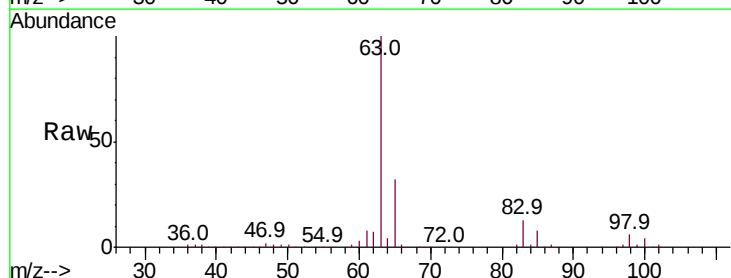
Tgt Ion: 63 Resp: 167726

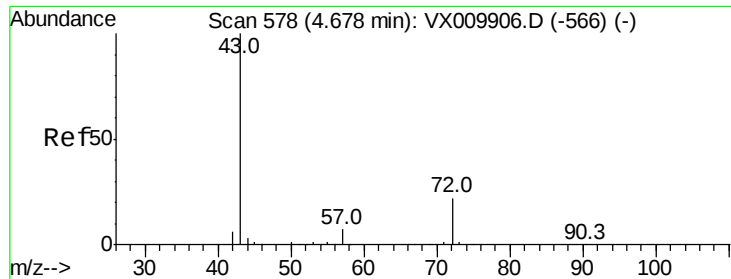
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.1 1.8 5.4





#25

2-Butanone

Concen: 244.601 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 43 Resp: 456247

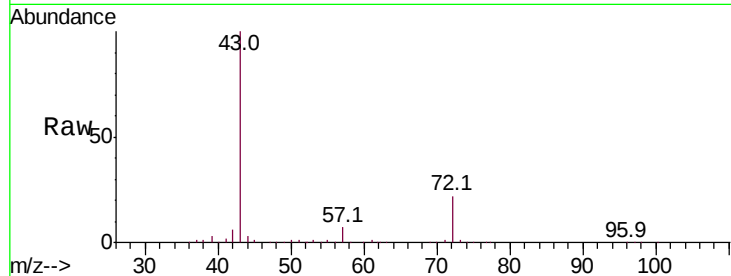
Ion Ratio Lower Upper

43 100

72 22.0 17.5 26.3

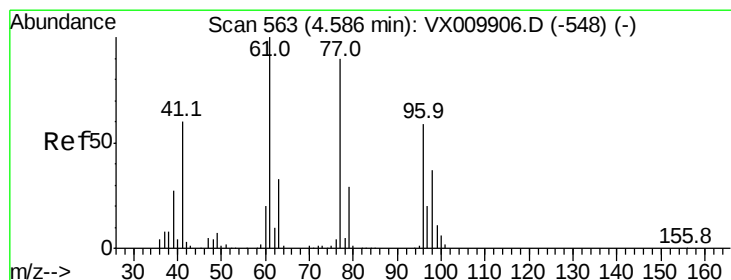
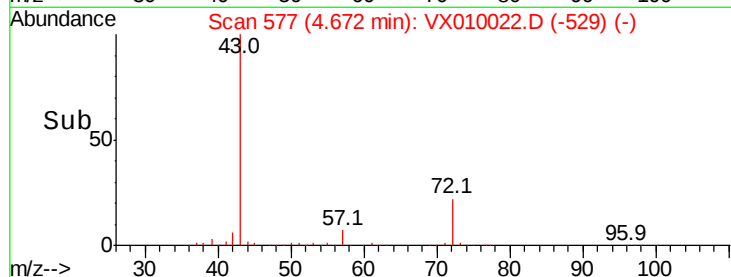
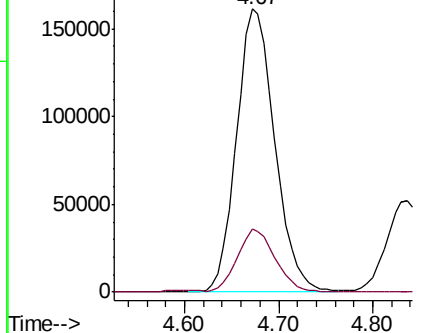
Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 28.504 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX010022.D

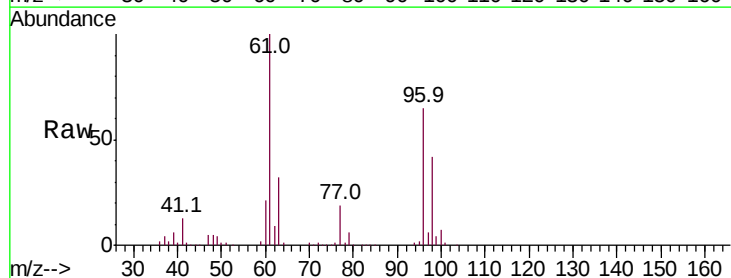
Acq: 01 Jun 2019 06:49

Tgt Ion: 77 Resp: 71788

Ion Ratio Lower Upper

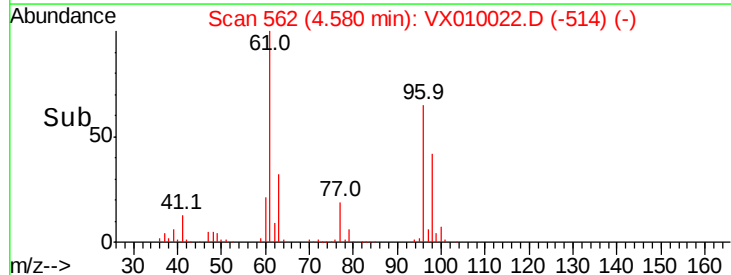
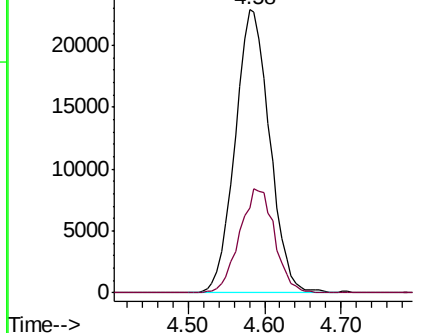
77 100

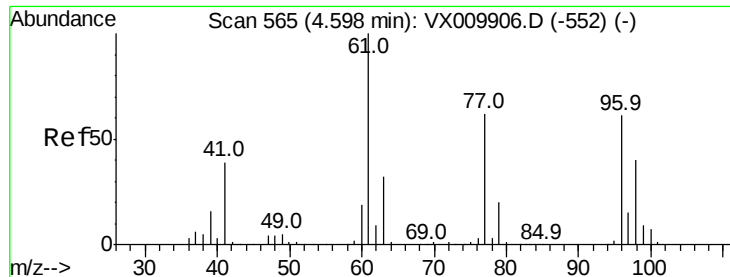
97 37.3 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

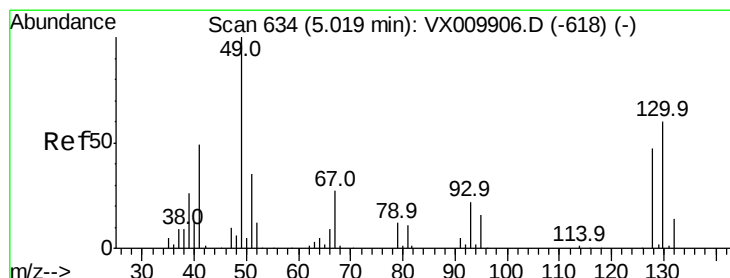
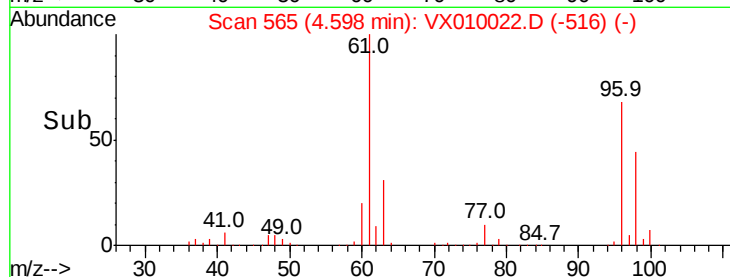
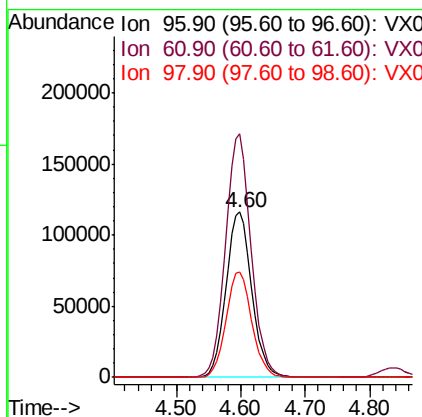
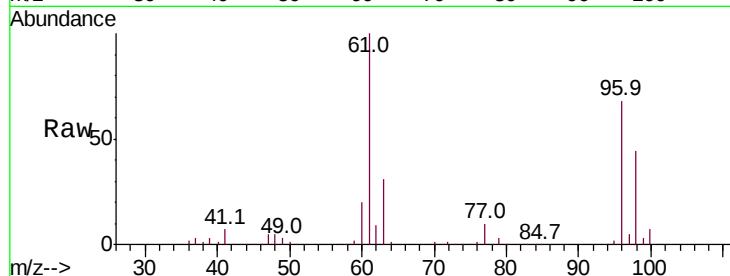
cis-1,2-Dichloroethene
Concen: 170.874 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	326039		
61	146.8	0.0	334.0	
98	64.1	0.0	131.6	

Manual Integrations
APPROVED

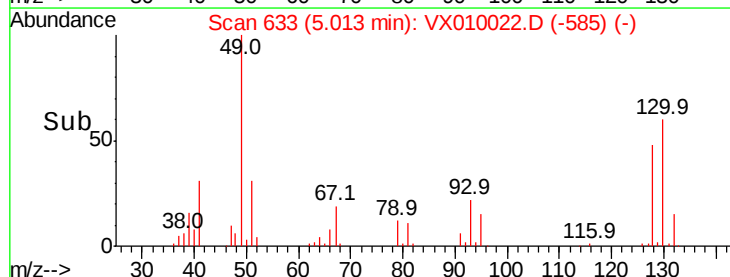
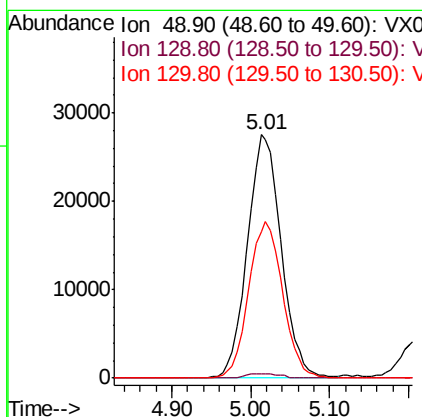
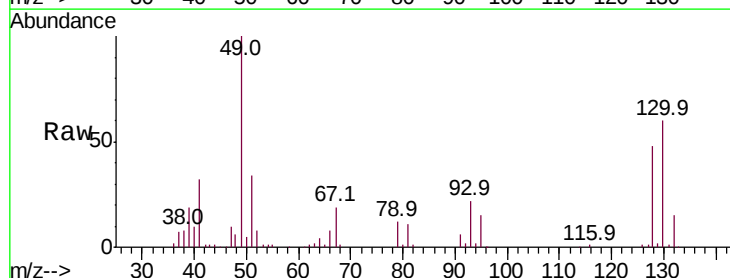
MMDadoda
6/3/2019 9:34:35 AM

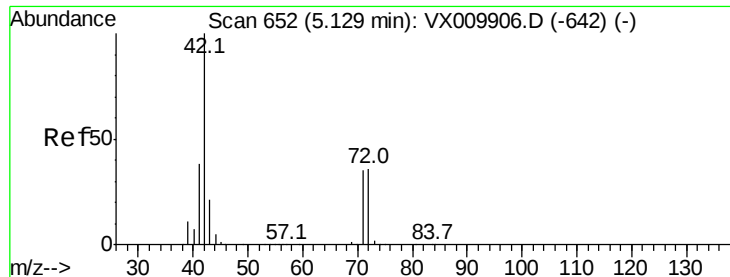


#28

Bromochloromethane
Concen: 47.631 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82292		
129	2.0	0.0	3.4	
130	64.3	49.4	74.2	





#29

Tetrahydrofuran

Concen: 252.117 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

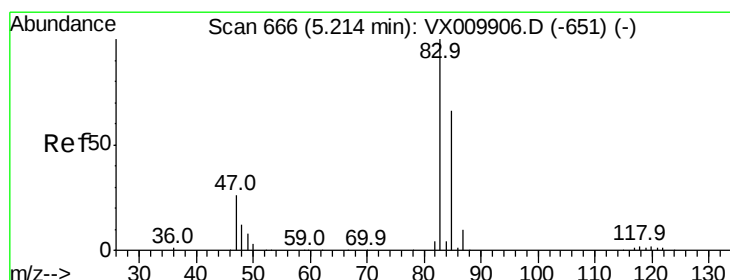
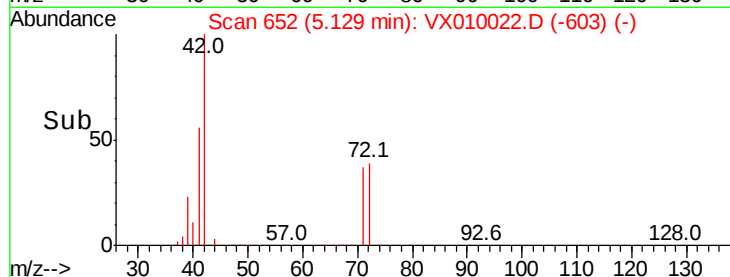
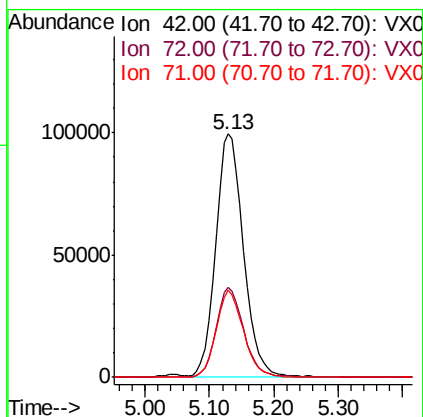
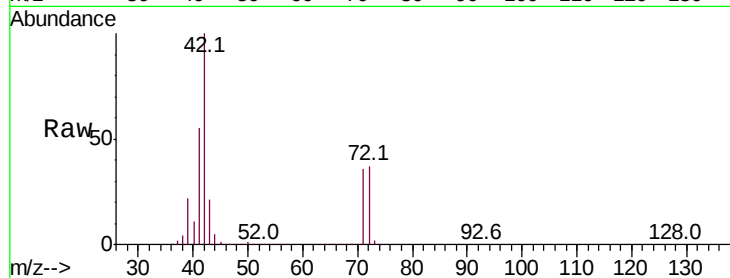
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	42	Resp:	301564
Ion Ratio	Lower	Upper	
42	100		
72	37.0	29.2	43.8
71	35.2	27.6	41.4

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#30

Chloroform

Concen: 51.078 ug/l

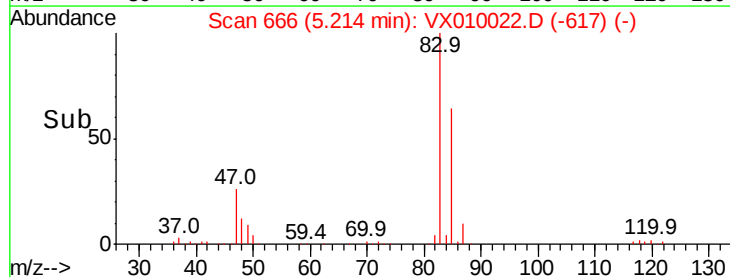
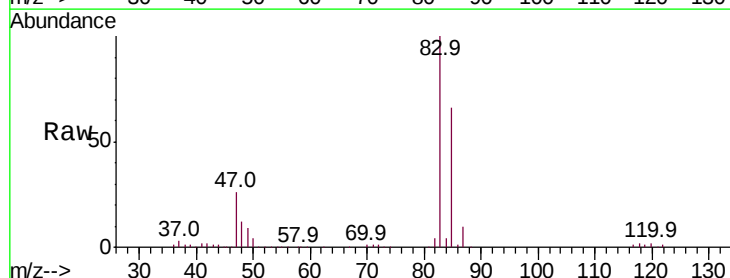
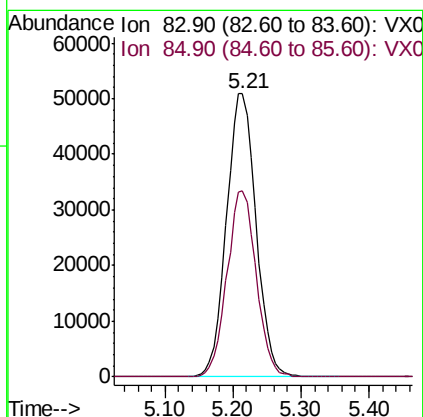
RT: 5.21 min Scan# 666

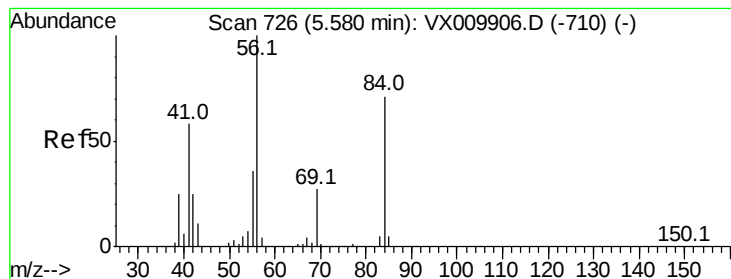
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	83	Resp:	153367
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.6	78.8





#31

Cyclohexane

Concen: 49.074 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

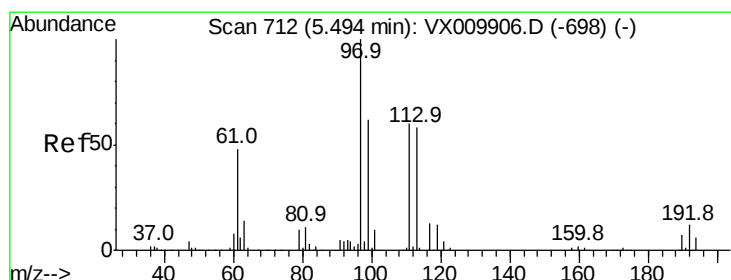
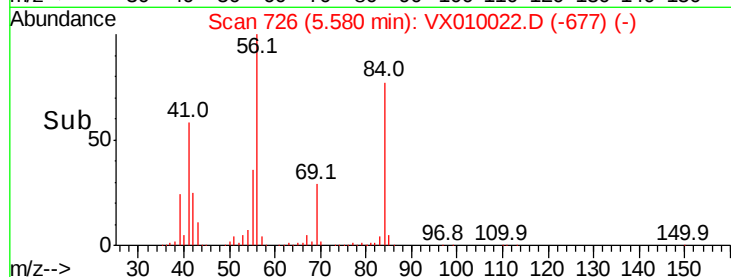
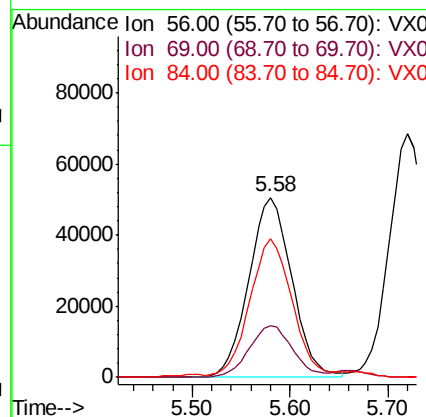
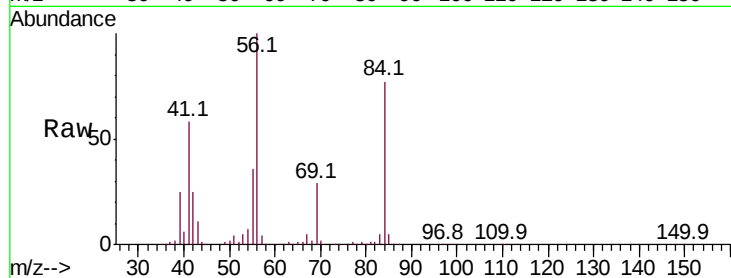
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	56	Resp:	154747
Ion Ratio	Lower	Upper	
56	100		
69	28.7	21.6	32.4
84	75.6	56.8	85.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#32

1,1,1-Trichloroethane

Concen: 52.341 ug/l

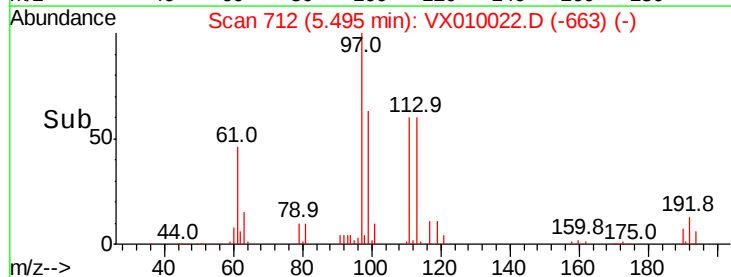
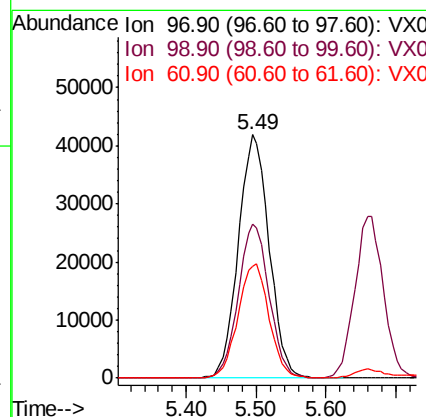
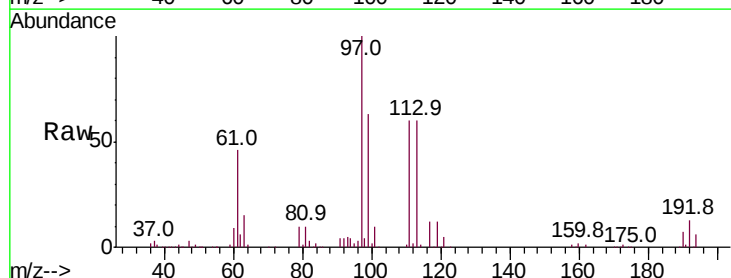
RT: 5.49 min Scan# 712

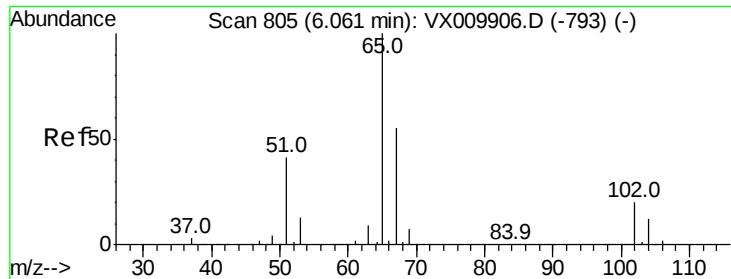
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	97	Resp:	127990
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.0	76.4
61	47.4	38.7	58.1





#33

1,2-Dichloroethane-d4

Concen: 48.509 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

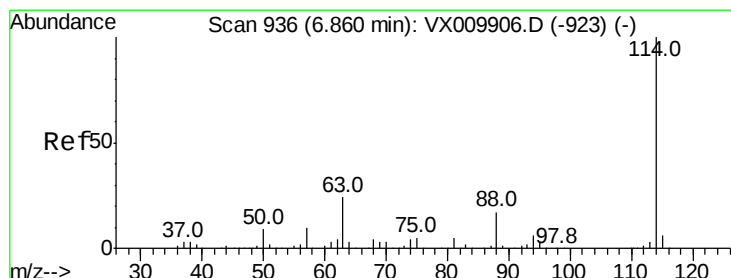
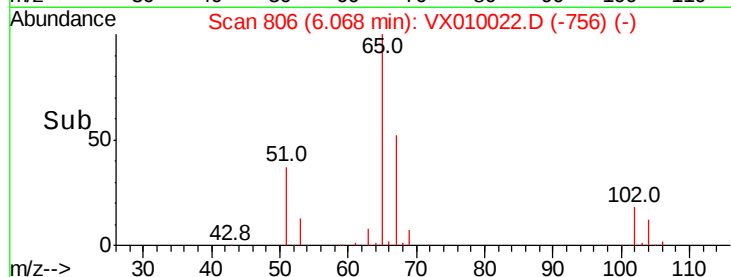
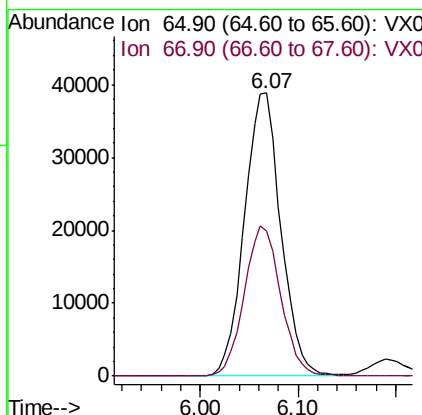
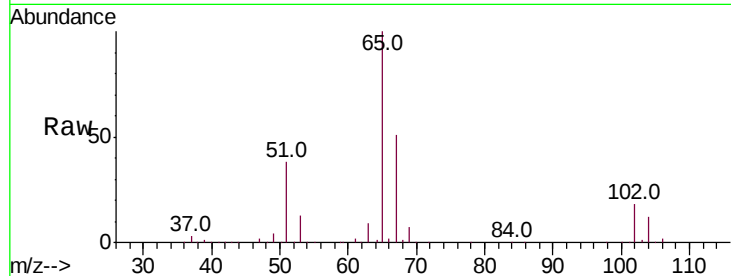
Instrument :
MSVOA_X

ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	100517		
67	53.2	0.0	108.4	

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

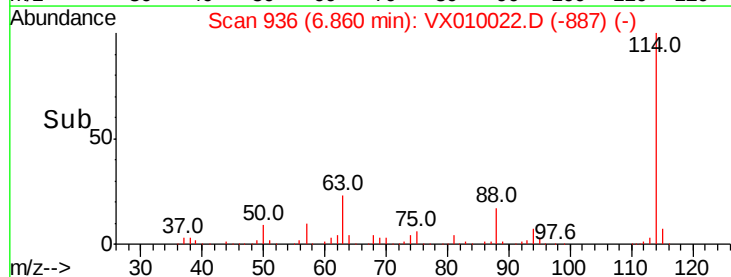
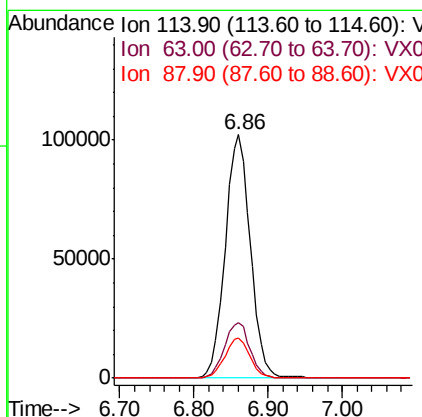
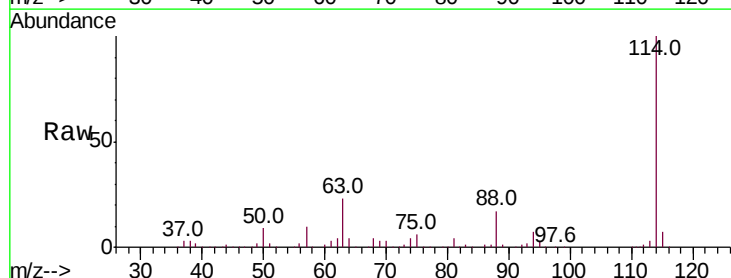
RT: 6.86 min Scan# 936

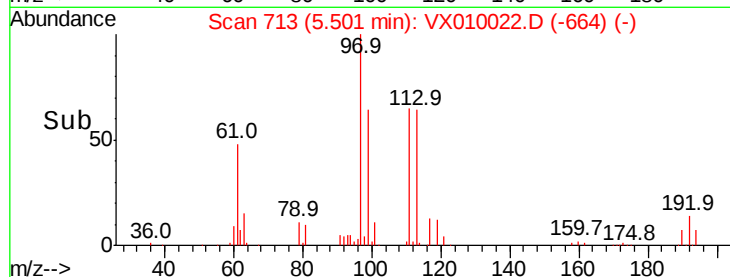
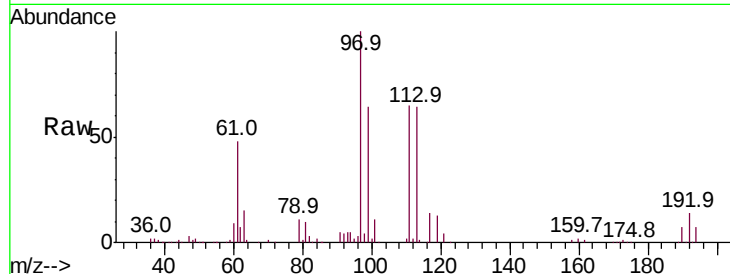
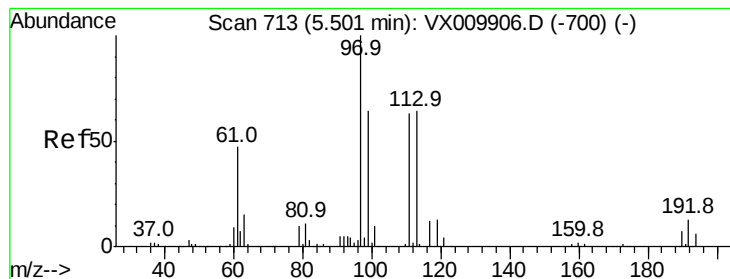
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	241091		
63	22.7	0.0	47.4	
88	16.7	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.261 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010022.D

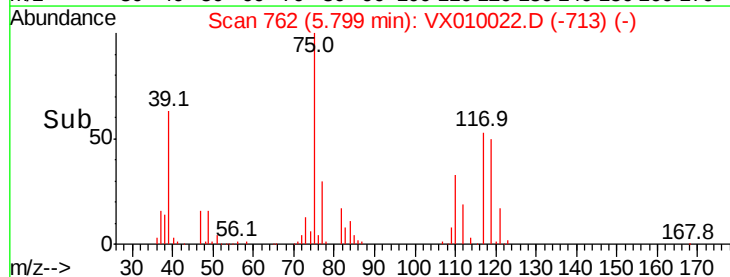
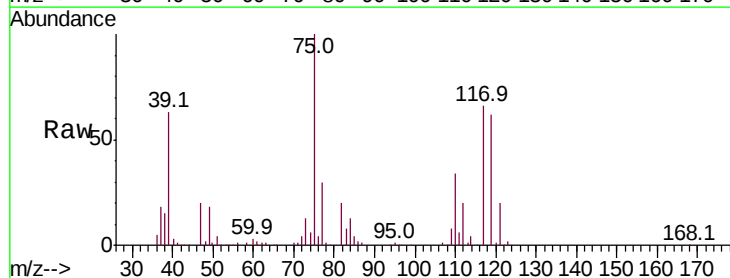
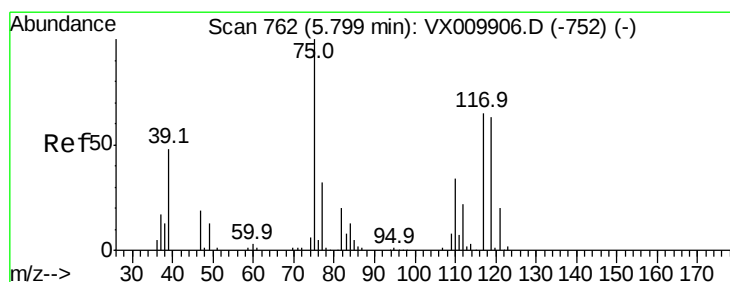
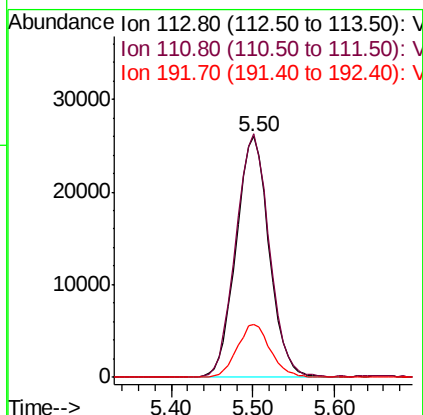
Acq: 01 Jun 2019 06:49

Tot Ion:	113	Resp:	73152
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.2
192	22.0	17.1	25.7

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#36

1,1-Dichloropropene

Concen: 46.985 ug/l

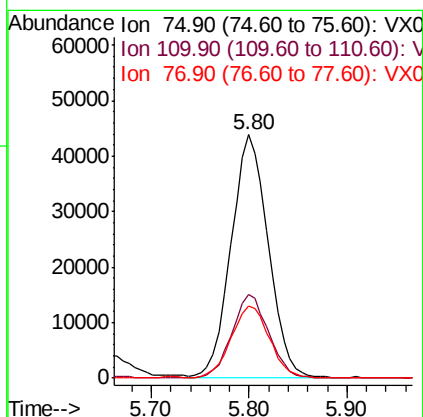
RT: 5.80 min Scan# 762

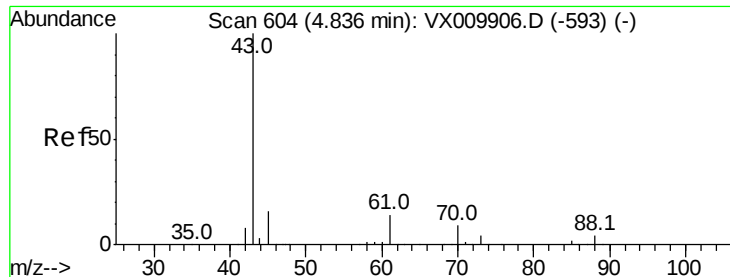
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	75	Resp:	114932
Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.7	50.1
77	31.1	25.0	37.4





#37

Ethyl Acetate

Concen: 45.381 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

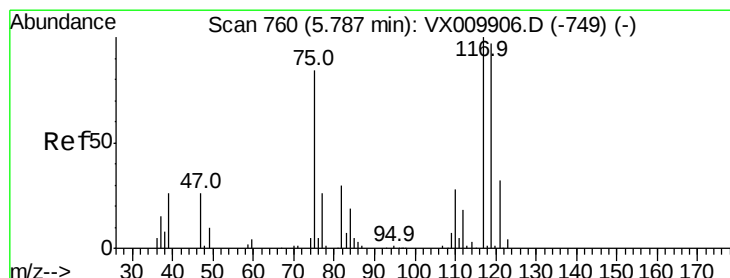
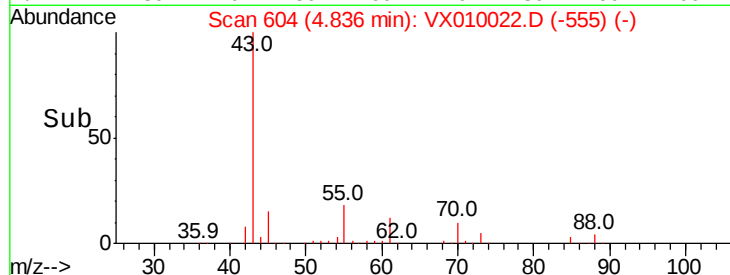
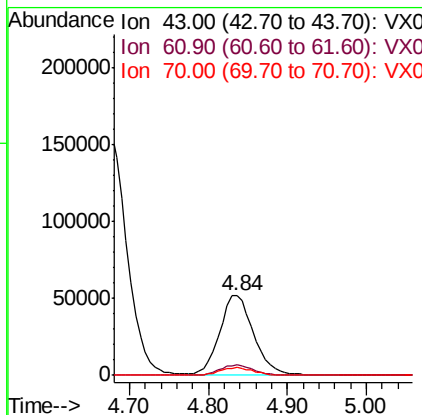
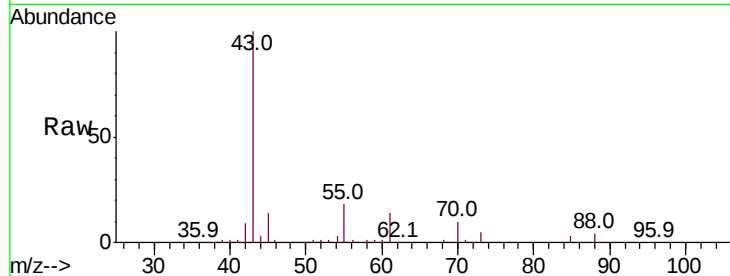
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	43	Resp:	154677
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	9.3	7.4	11.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#38

Carbon Tetrachloride

Concen: 50.990 ug/l

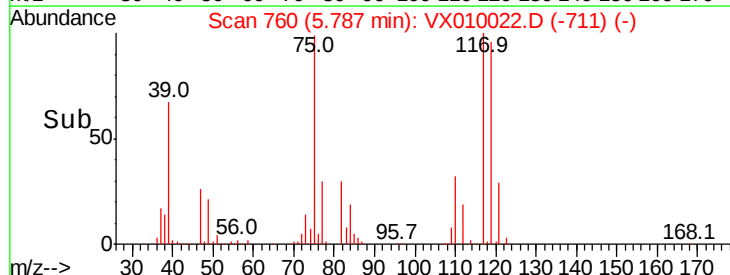
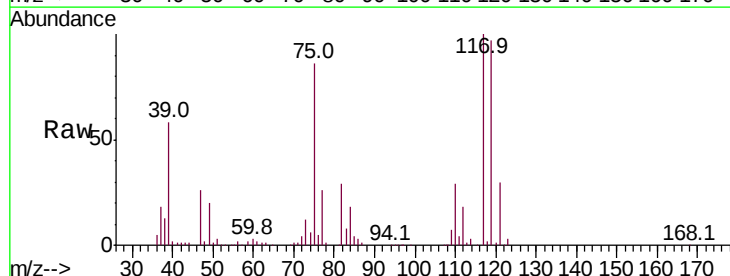
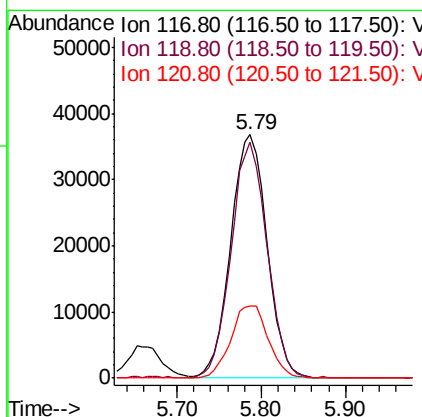
RT: 5.79 min Scan# 760

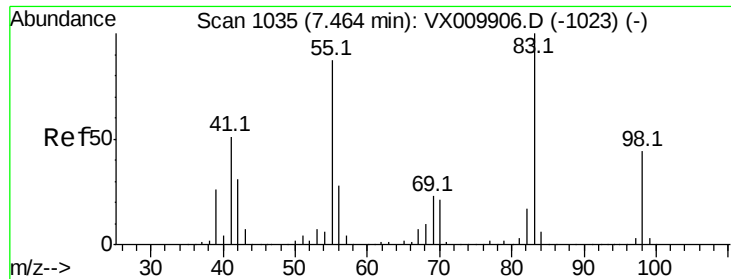
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	117	Resp:	107783
Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
121	29.6	25.4	38.0





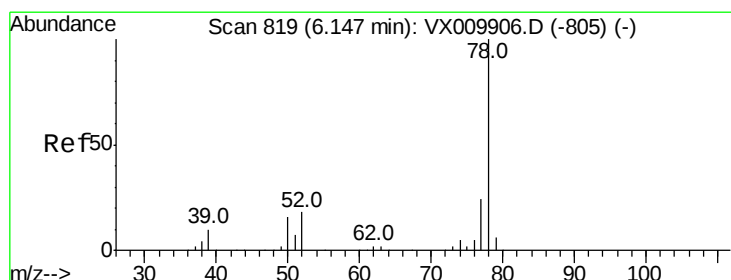
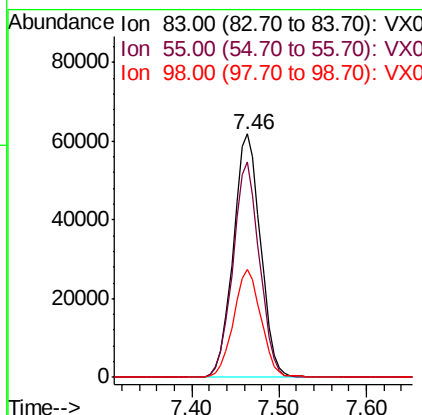
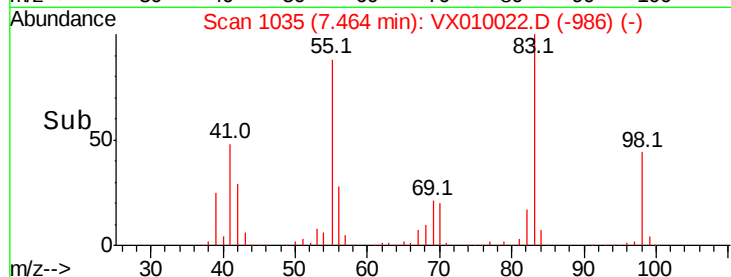
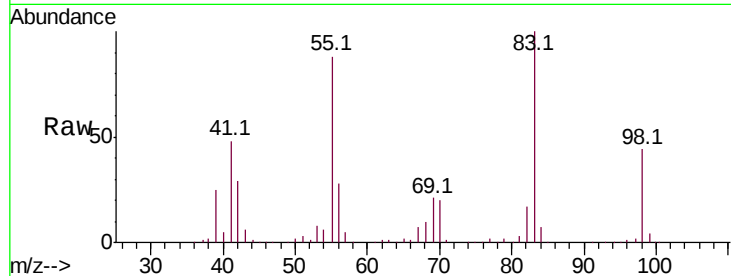
#39
Methvlcvclohexane
Concen: 46.130 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.4	69.9	104.9
98	44.4	35.1	52.7

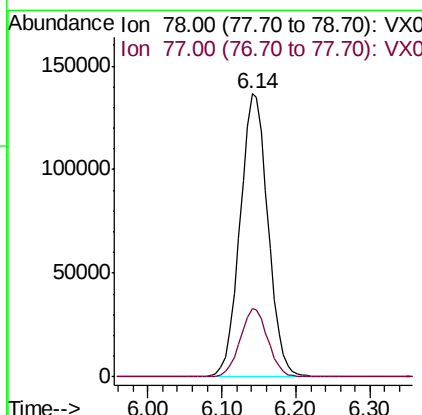
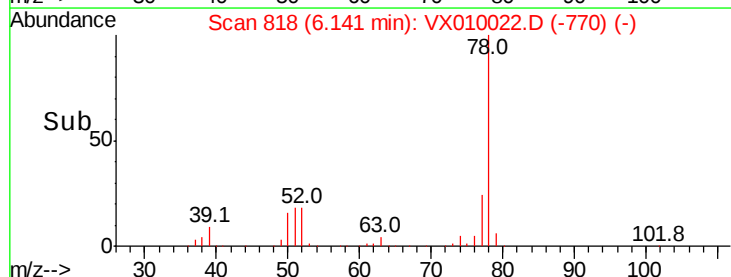
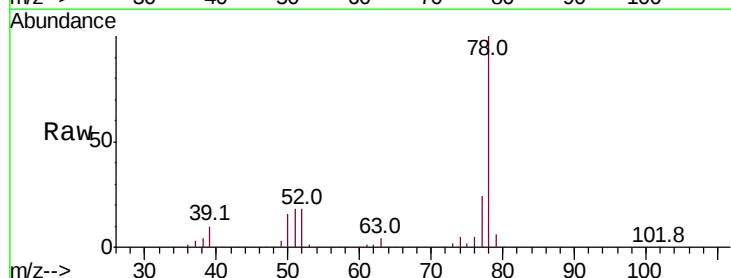
Manual Integrations
APPROVED

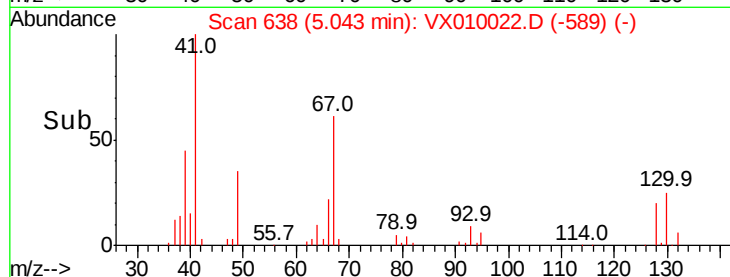
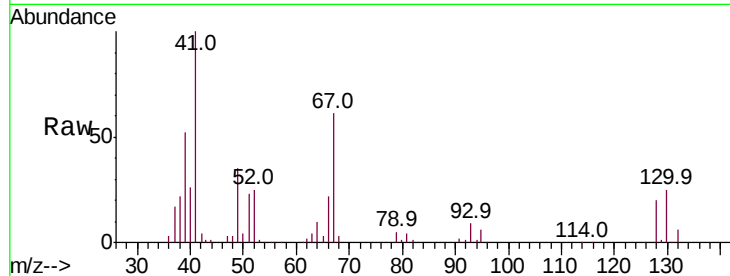
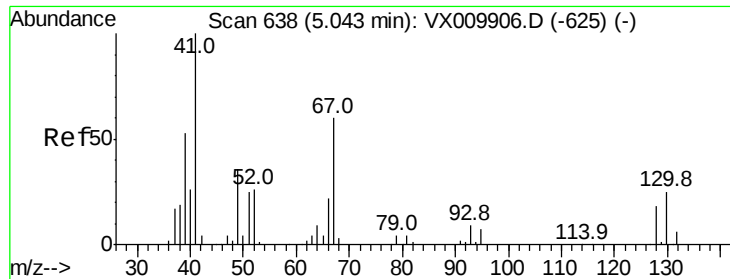
MMDadoda
6/3/2019 9:34:35 AM



#40
Benzene
Concen: 49.579 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.2	28.8





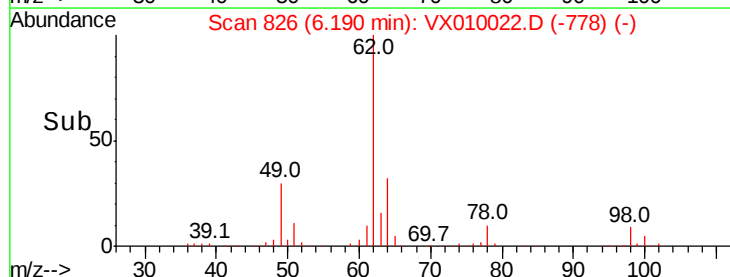
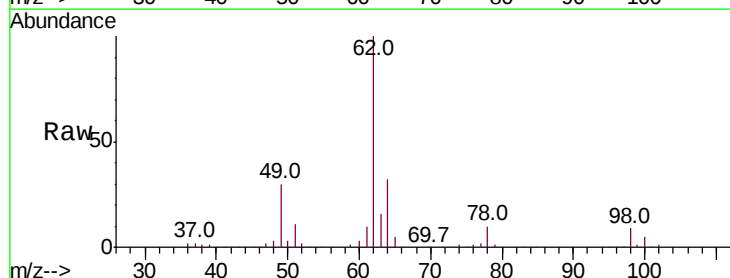
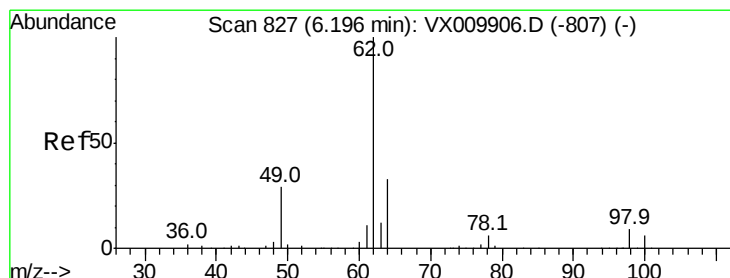
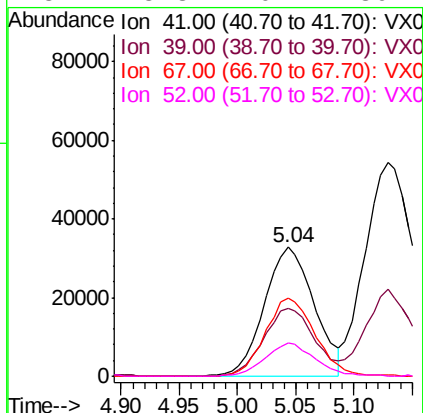
#41
Methacrylonitrile
Concen: 48.799 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.2	63.4	
67	61.5	48.9	73.3	
52	25.3	20.1	30.1	

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

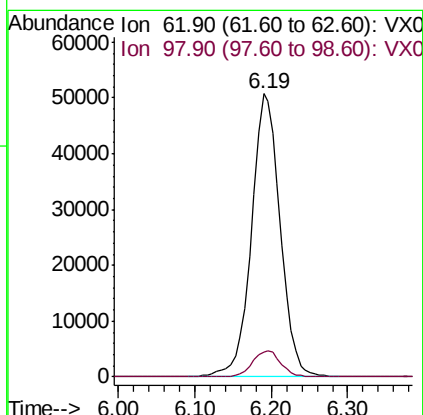
Manual Integrations
APPROVED

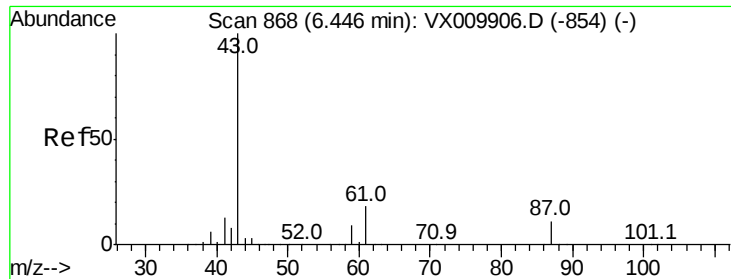
MMDadoda
6/3/2019 9:34:35 AM



#42
1,2-Dichloroethane
Concen: 49.486 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	17.2	





#43

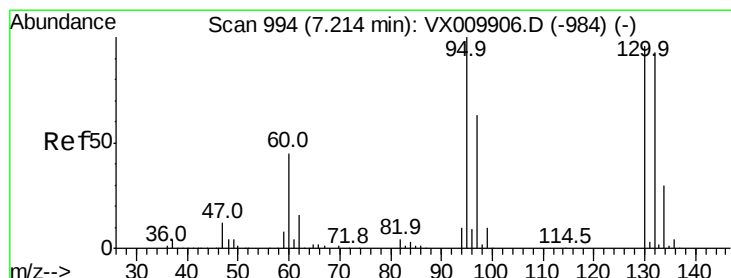
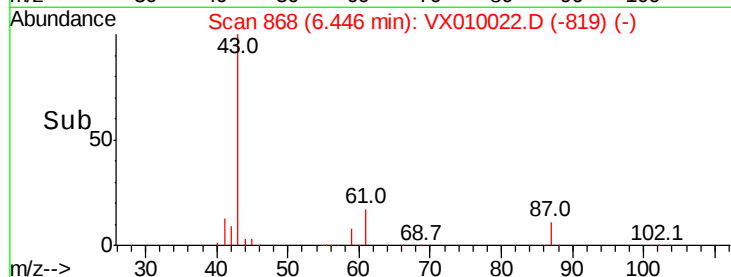
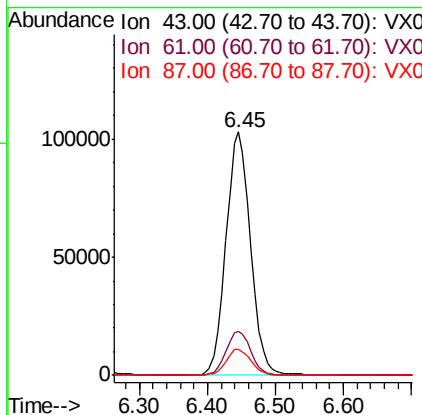
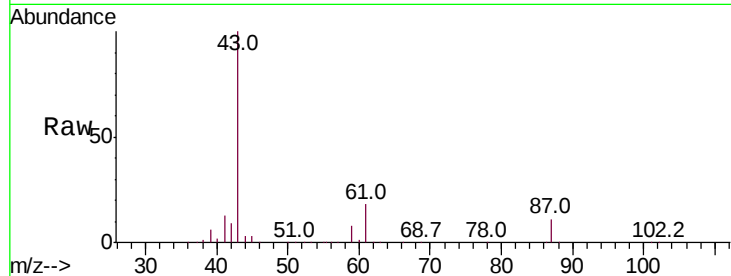
Isopropyl Acetate
 Concen: 46.517 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.6	21.8
87	11.0	8.7	13.1

Manual Integrations
 APPROVED

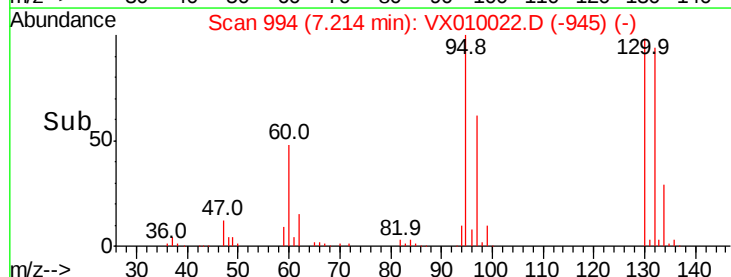
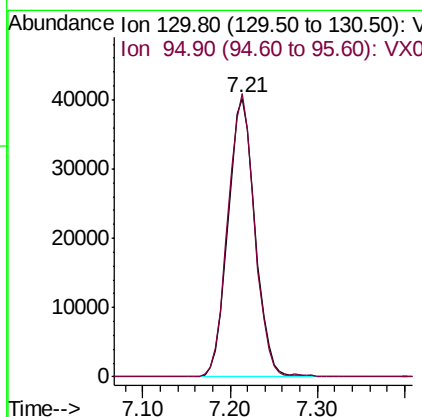
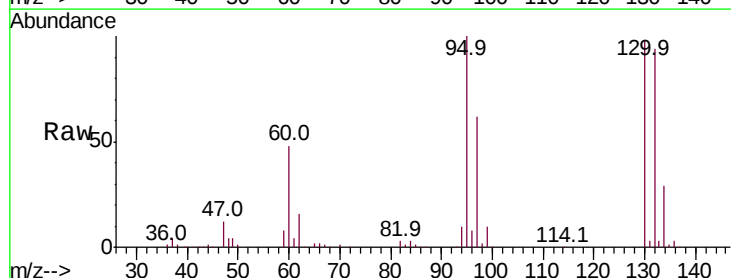
MMDadoda
 6/3/2019 9:34:35 AM

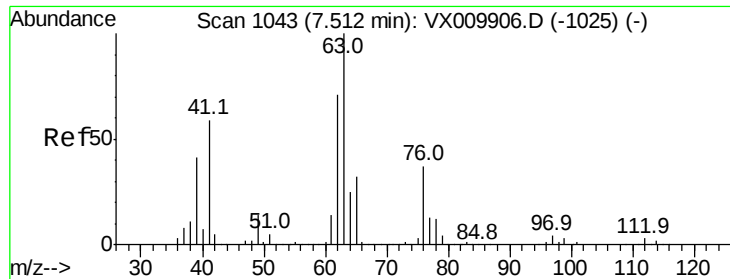


#44

Trichloroethene
 Concen: 49.097 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	207.4





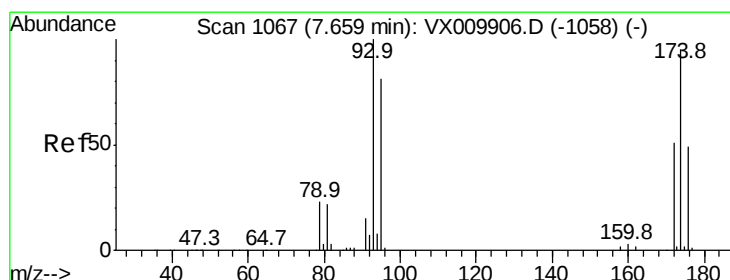
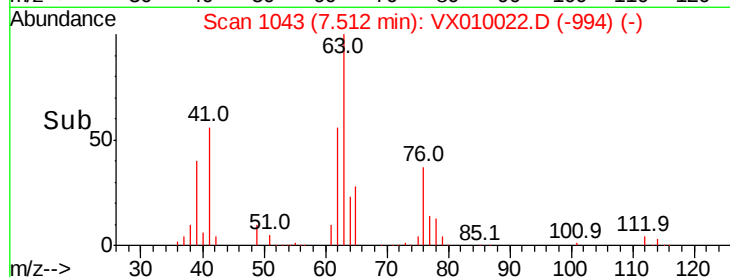
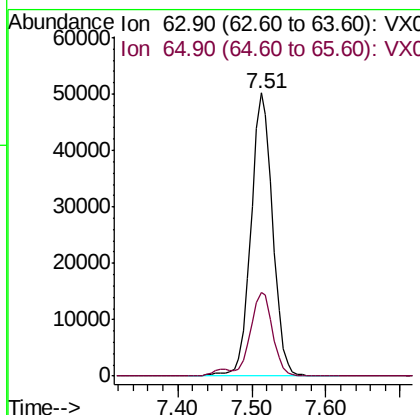
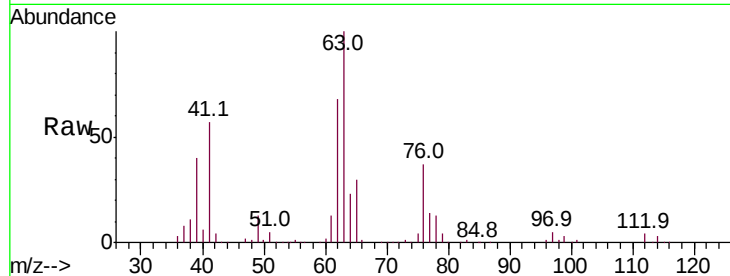
#45
 1,2-Dichloropropane
 Concen: 49.065 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion: 63 Resp: 102490
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.7 38.5

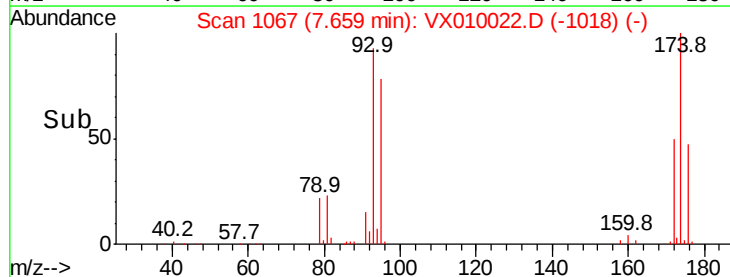
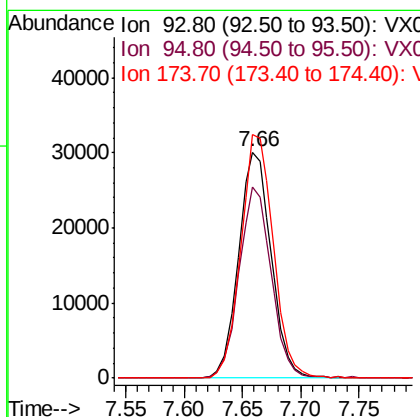
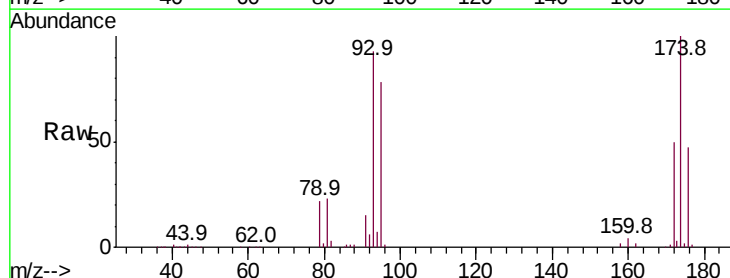
Manual Integrations
 APPROVED

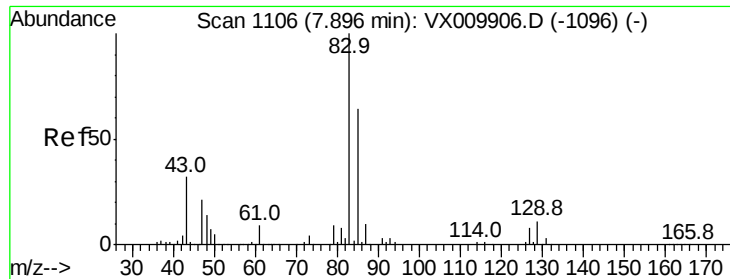
MMDadoda
 6/3/2019 9:34:35 AM



#46
 Dibromomethane
 Concen: 47.837 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 93 Resp: 58818
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.8 100.2
 174 107.3 81.9 122.9





#47

Bromodichloromethane

Concen: 51.275 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

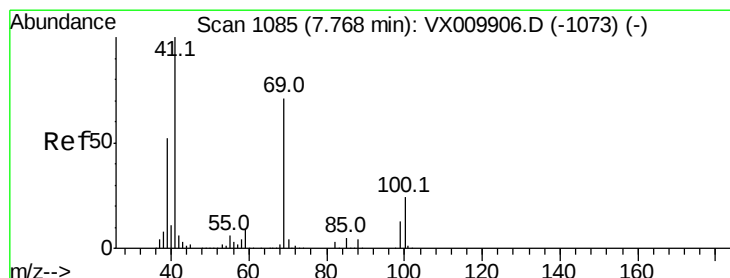
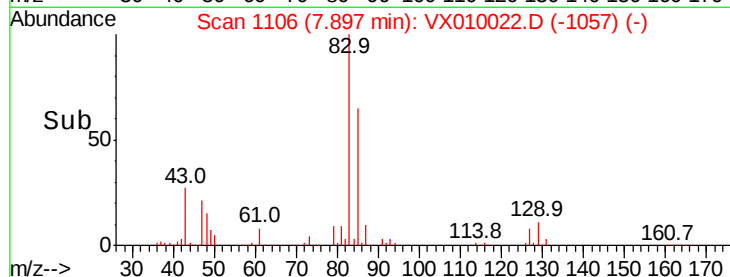
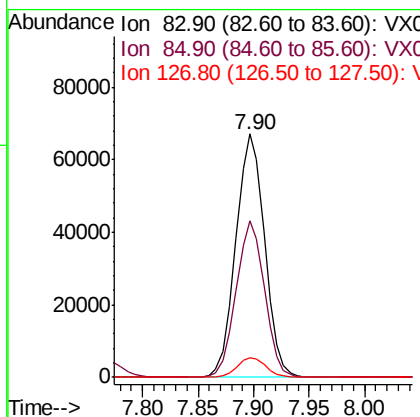
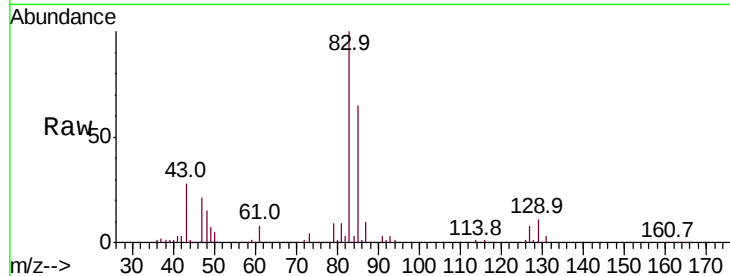
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	83	Resp:	119888
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.4	77.2
127	8.2	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#48

Methyl methacrylate

Concen: 50.473 ug/l

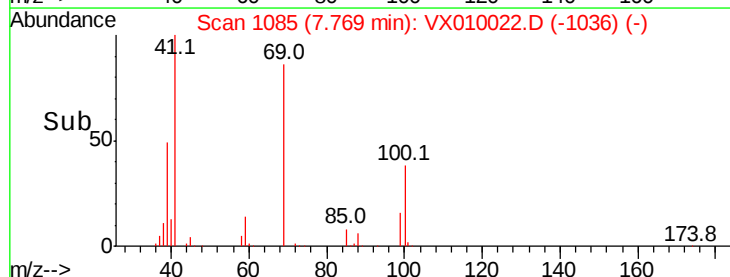
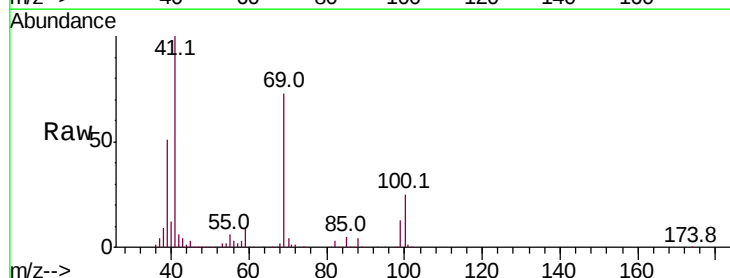
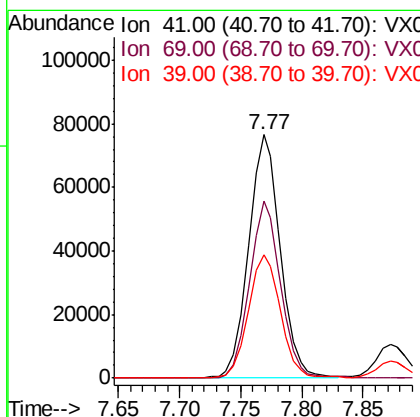
RT: 7.77 min Scan# 1085

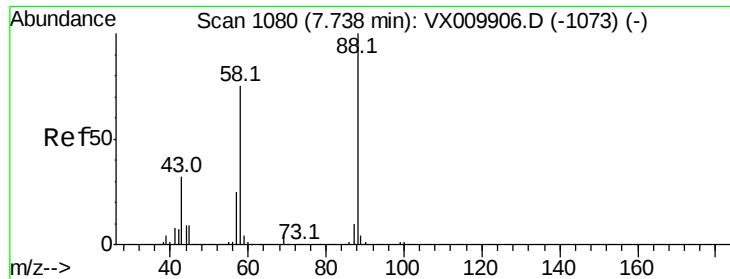
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	41	Resp:	137412
Ion Ratio	Lower	Upper	
41	100		
69	71.7	56.4	84.6
39	51.7	40.6	60.8





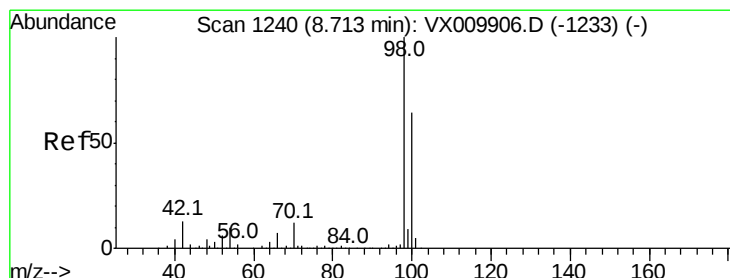
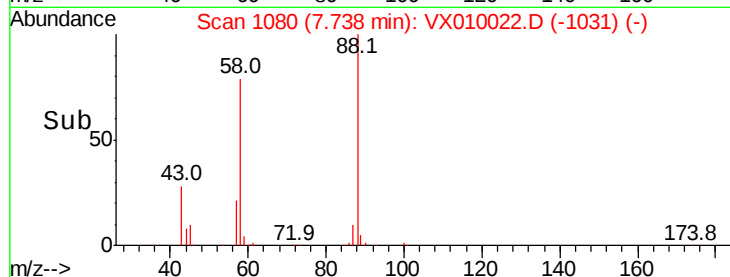
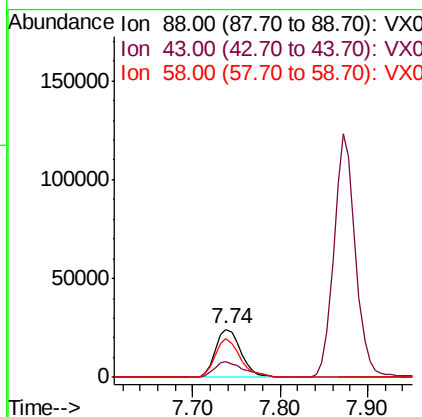
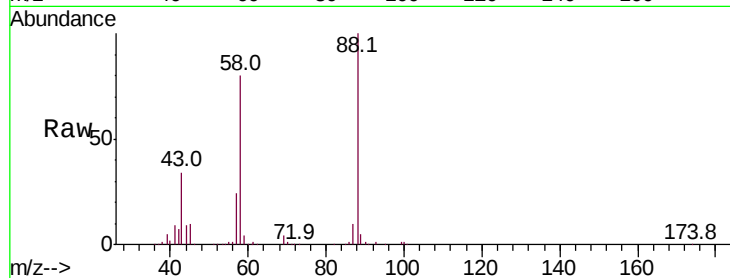
#49
1,4-Dioxane
Concen: 979.799 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	30.2	45.4
58	79.3	64.0	96.0

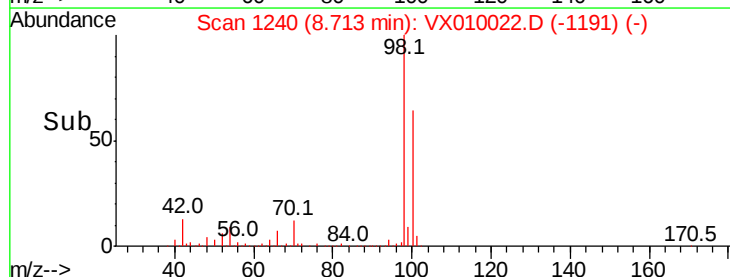
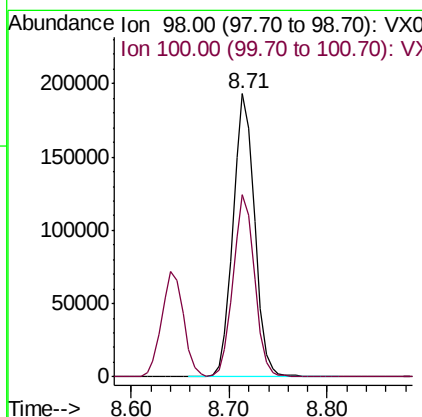
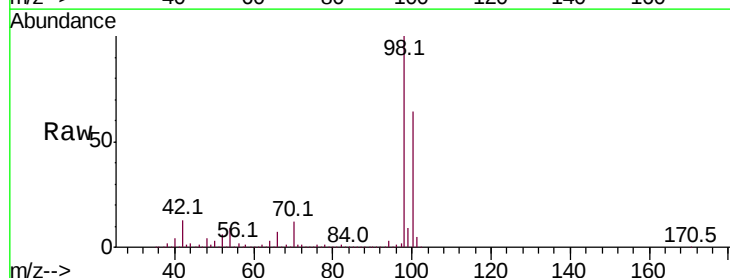
Manual Integrations
APPROVED

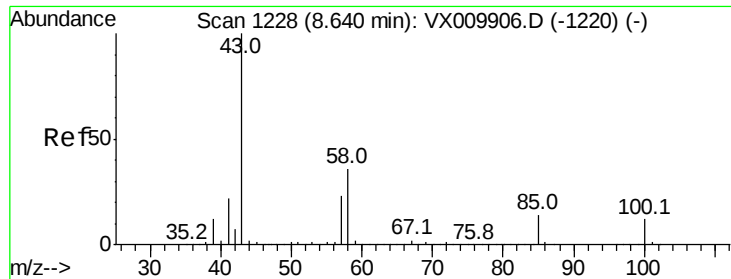
MMDadoda
6/3/2019 9:34:35 AM



#50
Toluene-d8
Concen: 48.109 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 254.351 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 43 Resp: 909956

Ion Ratio Lower Upper

43 100

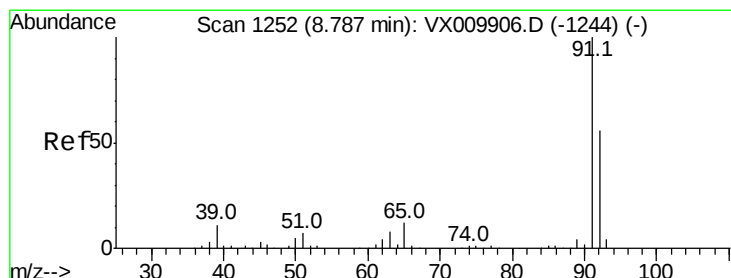
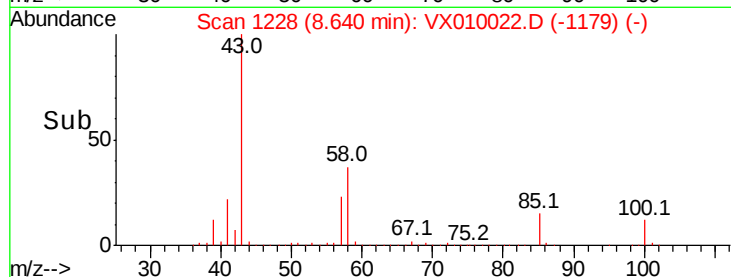
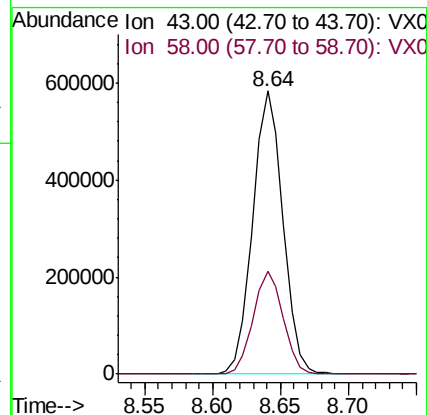
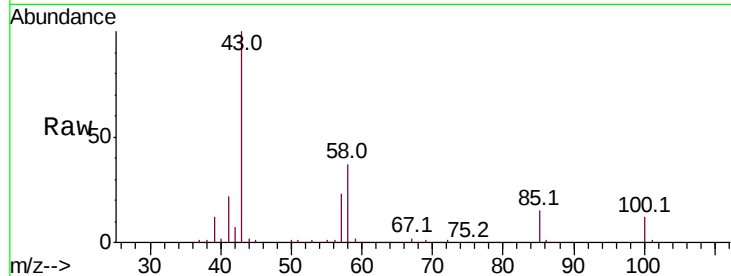
58 36.2 28.8 43.2

Manual Integrations

APPROVED

MMDadoda

6/3/2019 9:34:35 AM



#52

Toluene

Concen: 50.309 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010022.D

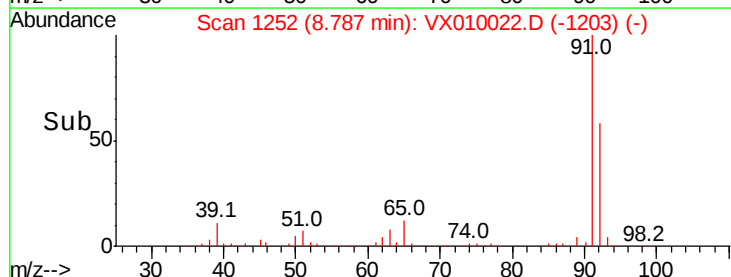
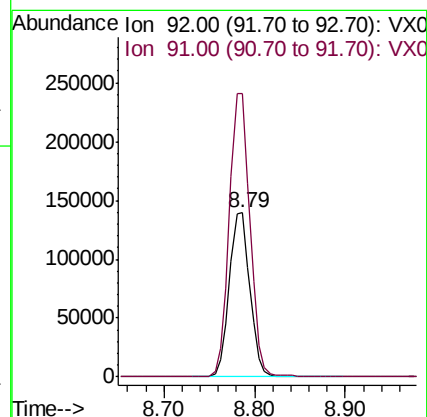
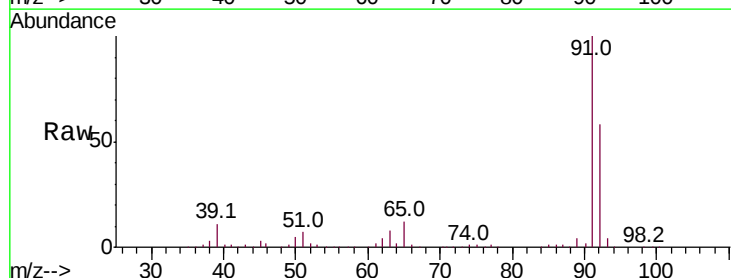
Acq: 01 Jun 2019 06:49

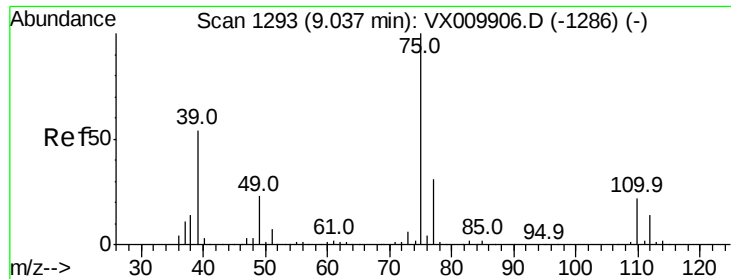
Tgt Ion: 92 Resp: 221654

Ion Ratio Lower Upper

92 100

91 173.7 139.9 209.9





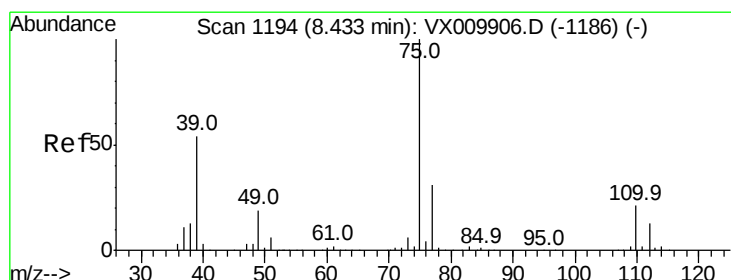
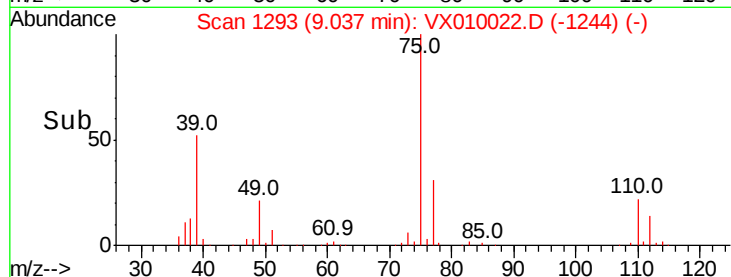
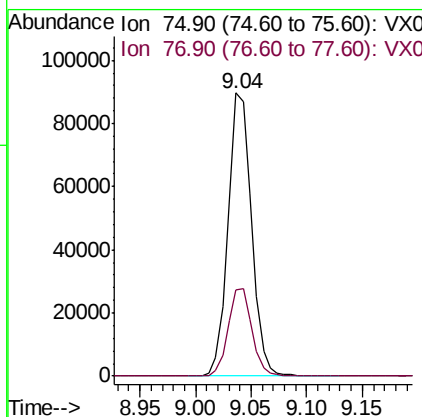
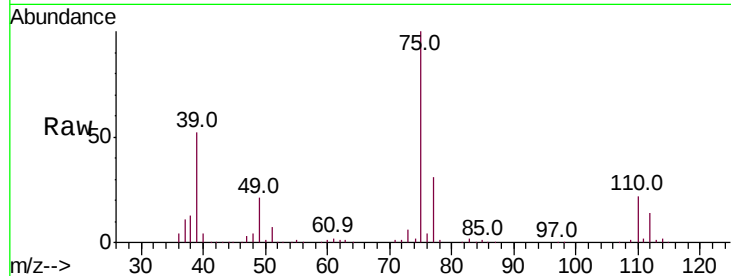
#53
 t-1,3-Dichloropropene
 Concen: 46.739 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion: 75 Resp: 131063
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8

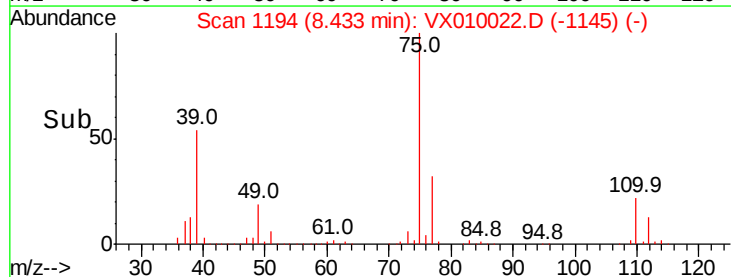
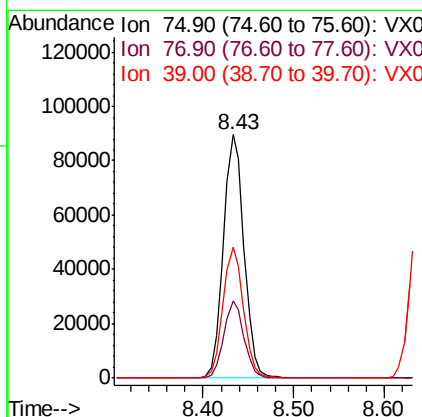
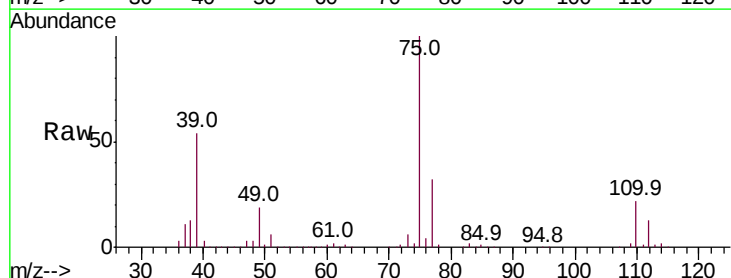
Manual Integrations
 APPROVED

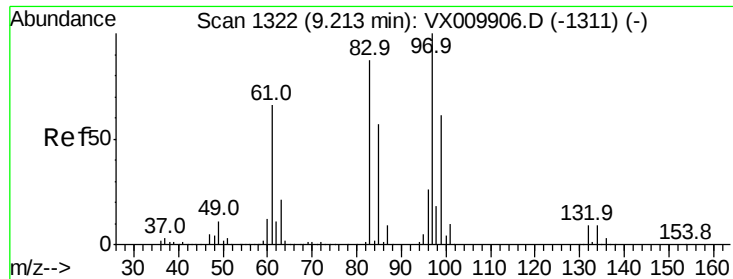
MMDadoda
 6/3/2019 9:34:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 46.458 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion: 75 Resp: 141941
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 53.7 43.4 65.0





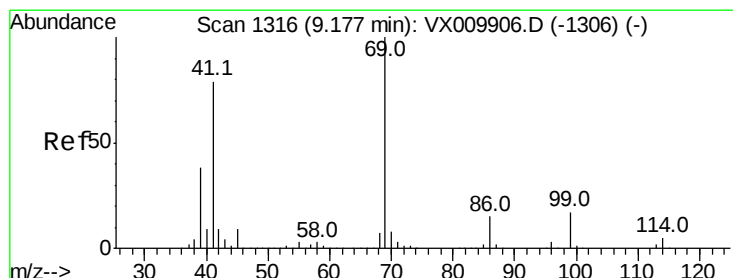
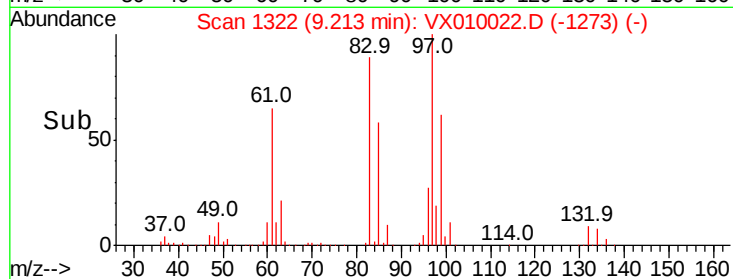
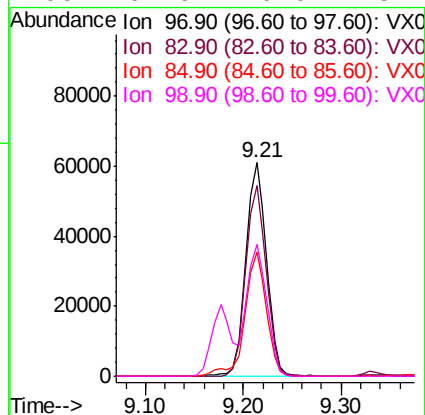
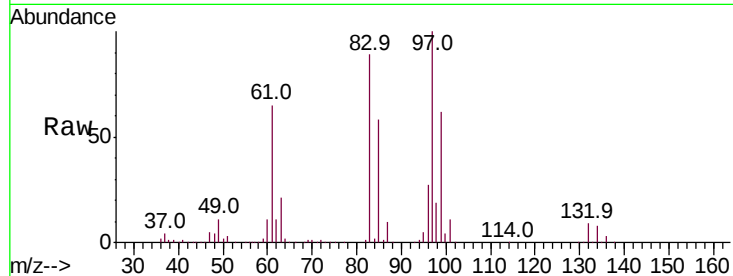
#55
1,1,2-Trichloroethane
Concen: 50.661 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:	97	Resp:	89837
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.8	104.8
85	57.9	45.3	67.9
99	61.6	49.0	73.4

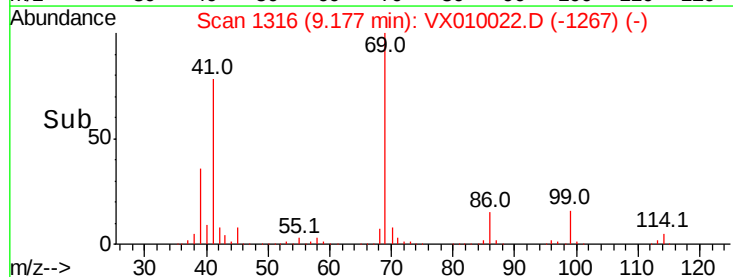
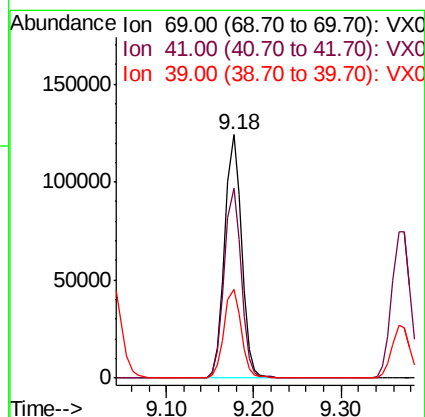
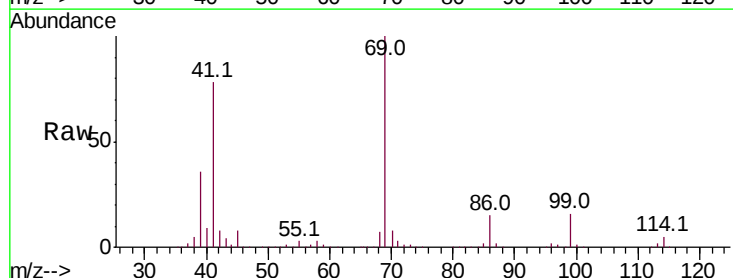
Manual Integrations
APPROVED

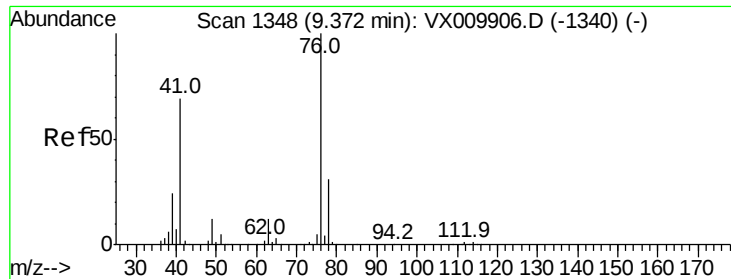
MMDadoda
6/3/2019 9:34:35 AM



#56
Ethyl methacrylate
Concen: 52.683 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion:	69	Resp:	166319
Ion	Ratio	Lower	Upper
69	100		
41	78.1	62.7	94.1
39	36.9	29.5	44.3





#57

1,3-Dichloropropane

Concen: 49.098 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 76 Resp: 156359

Ion Ratio Lower Upper

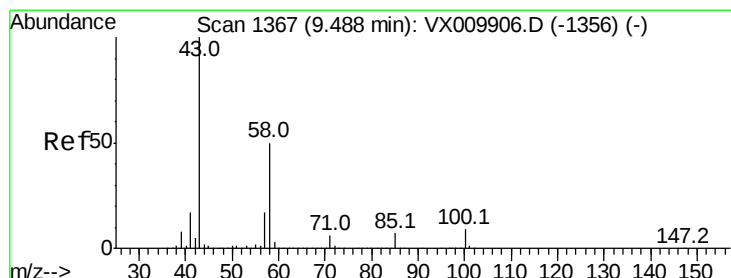
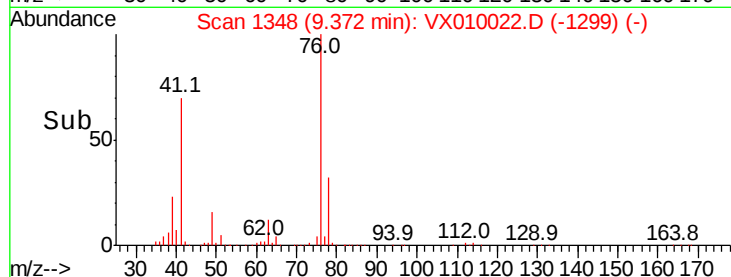
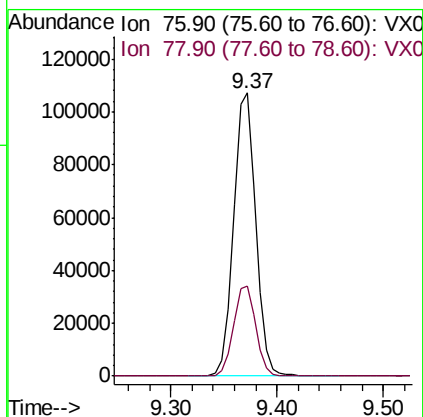
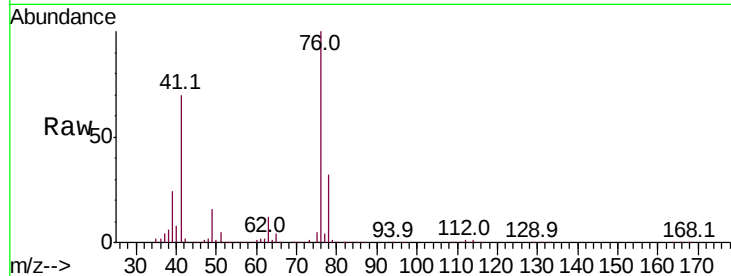
76 100

78 32.0 25.4 38.0

Manual Integrations
APPROVED

MMDadoda

6/3/2019 9:34:35 AM



#59

2-Hexanone

Concen: 256.653 ug/l

RT: 9.49 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VX010022.D

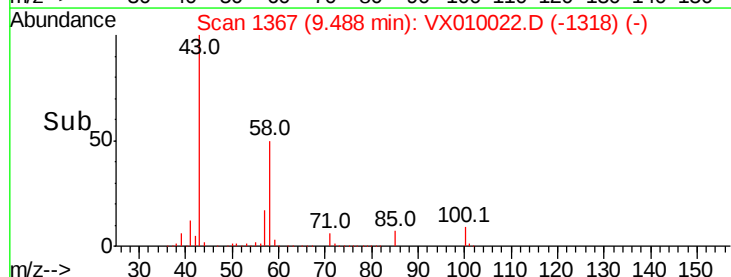
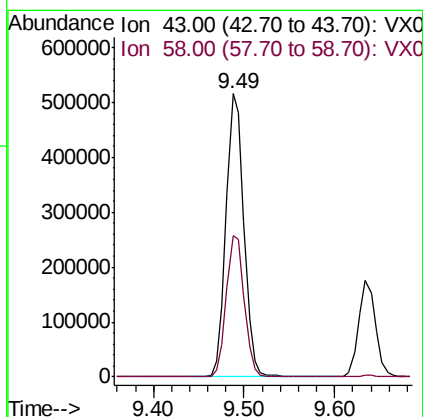
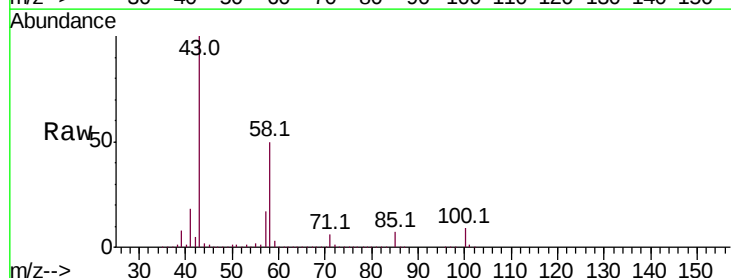
Acq: 01 Jun 2019 06:49

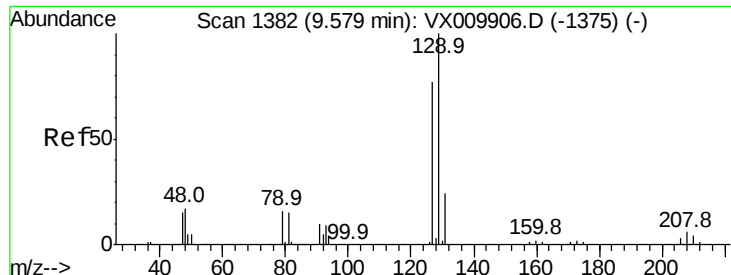
Tgt Ion: 43 Resp: 706919

Ion Ratio Lower Upper

43 100

58 50.6 25.1 75.3





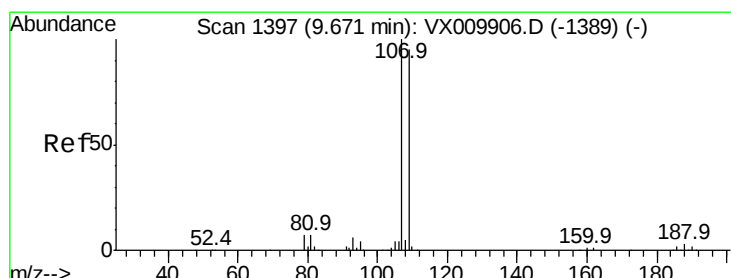
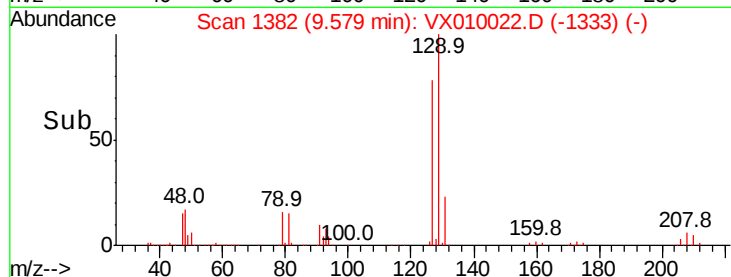
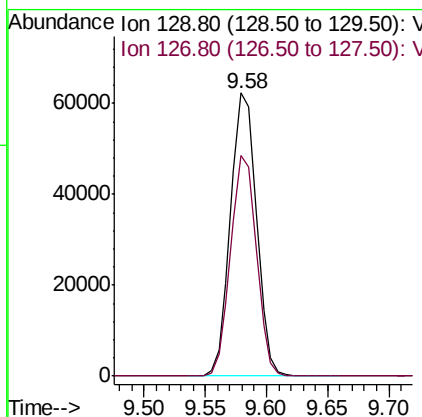
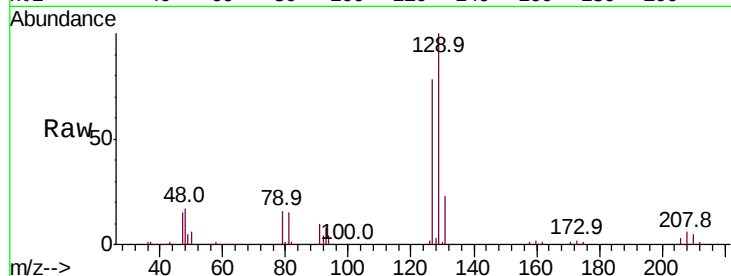
#60
 Dibromochloromethane
 Concen: 52.527 ug/l
 RT: 9.58 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion:129 Resp: 91627
 Ion Ratio Lower Upper
 129 100
 127 77.4 38.5 115.5

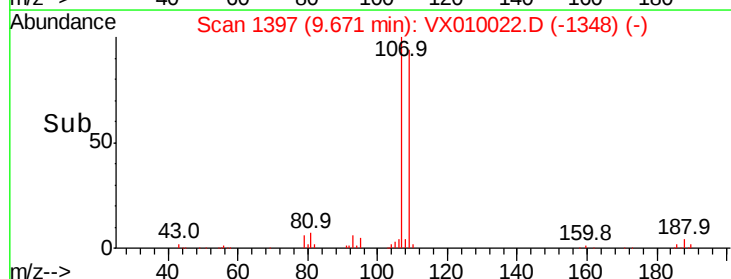
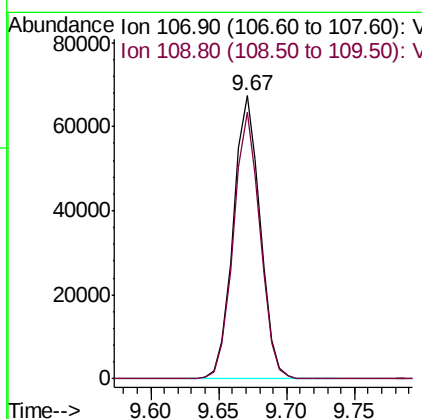
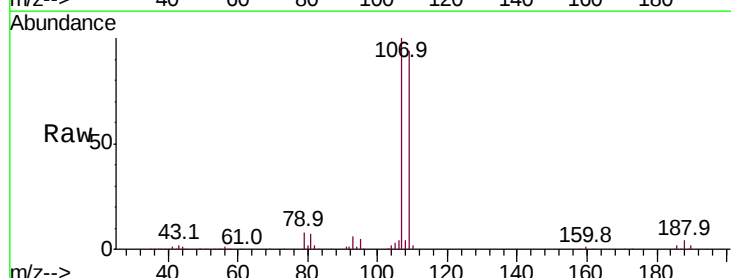
Manual Integrations
 APPROVED

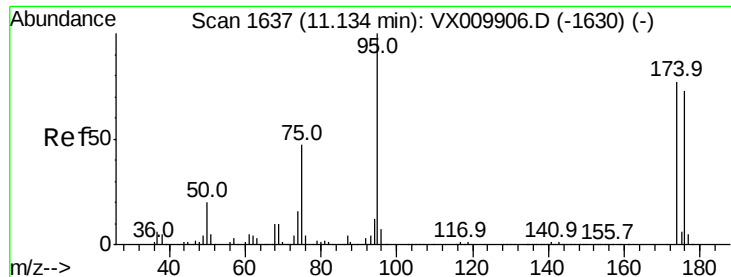
MMDadoda
 6/3/2019 9:34:35 AM



#61
 1,2-Dibromoethane
 Concen: 50.838 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion:107 Resp: 92616
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.4 113.2





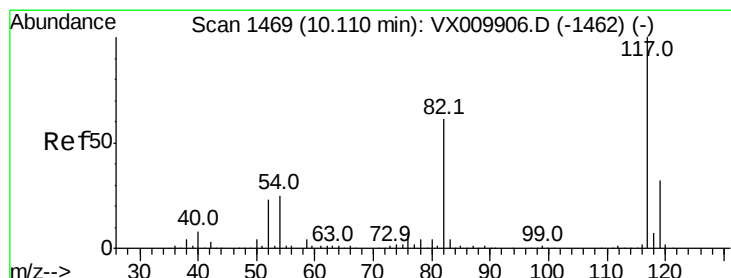
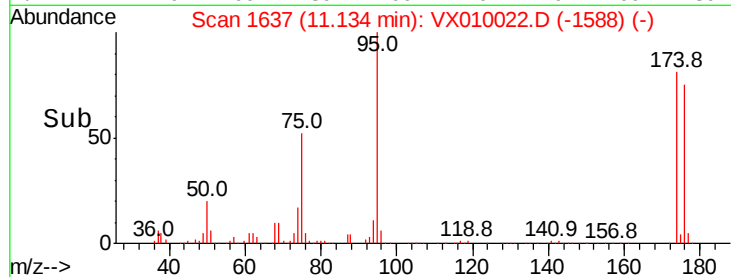
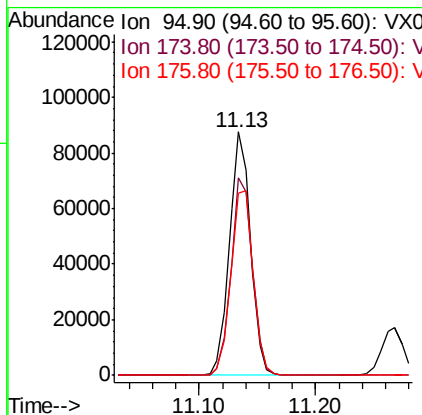
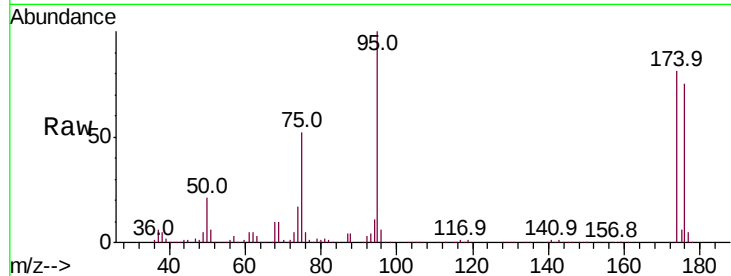
#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	109956		
174	82.8	0.0	160.4	
176	80.7	0.0	154.6	

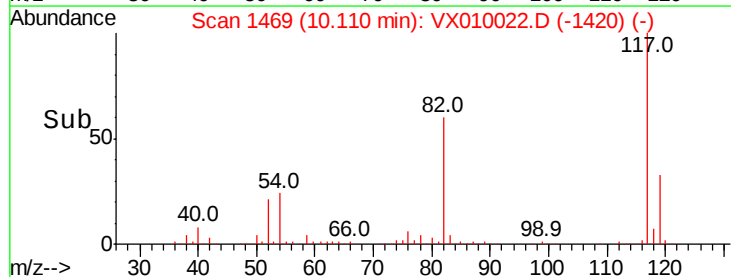
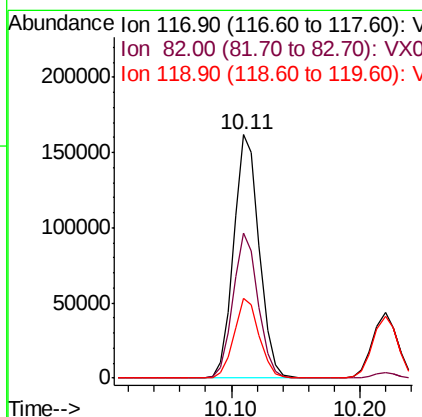
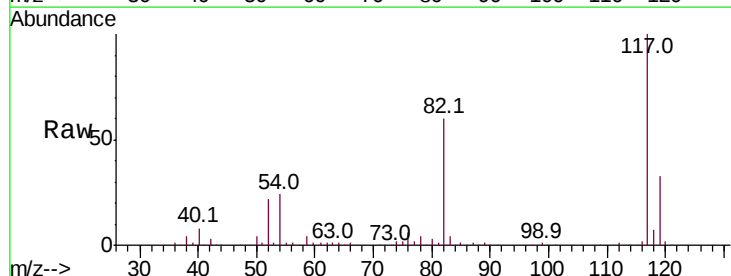
Manual Integrations
APPROVED

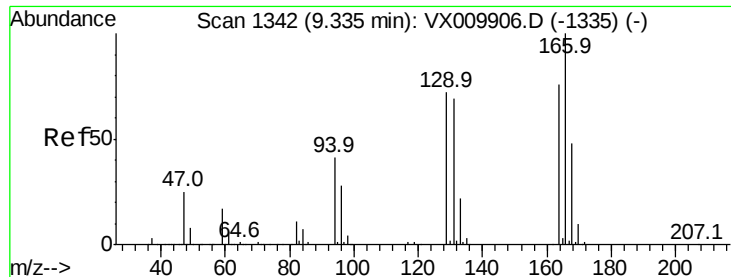
MMDadoda
6/3/2019 9:34:35 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	223028		
82	59.7	49.2	73.8	
119	32.5	25.2	37.8	





#64

Tetrachloroethene

Concen: 47.863 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010022.D

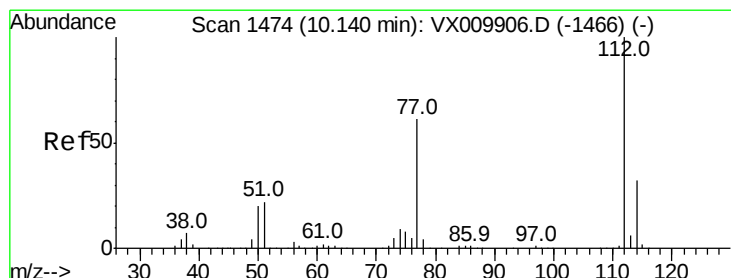
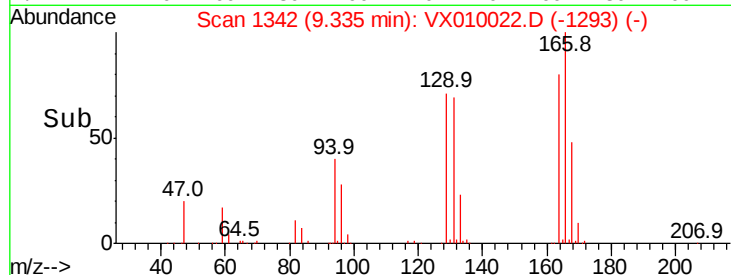
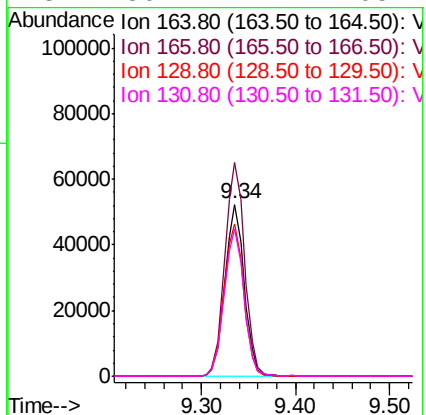
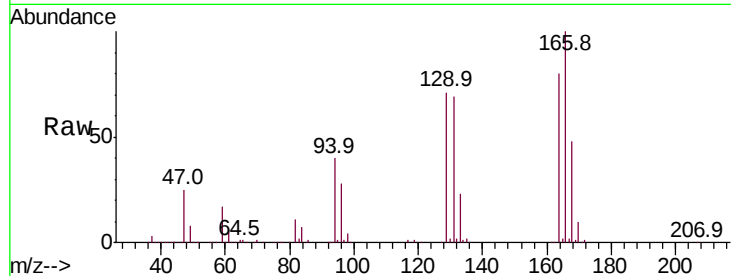
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:	164	Resp:	74563
Ion	Ratio	Lower	Upper
164	100		
166	124.5	105.0	157.4
129	88.5	75.1	112.7
131	86.1	72.2	108.4

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#65

Chlorobenzene

Concen: 49.611 ug/l

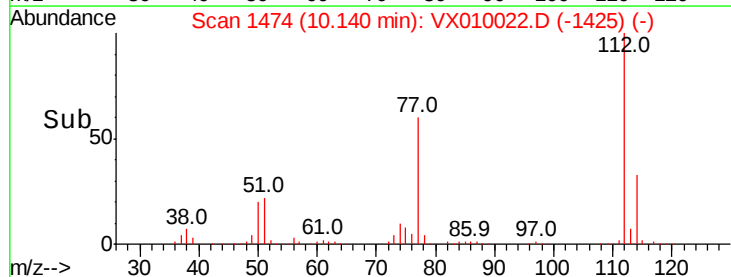
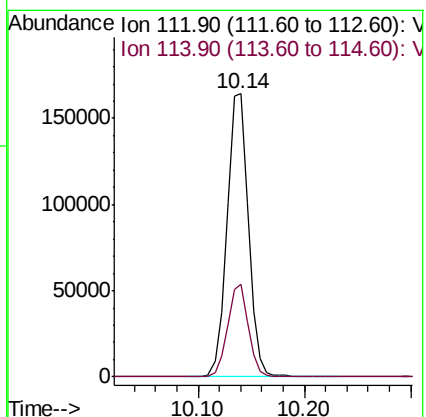
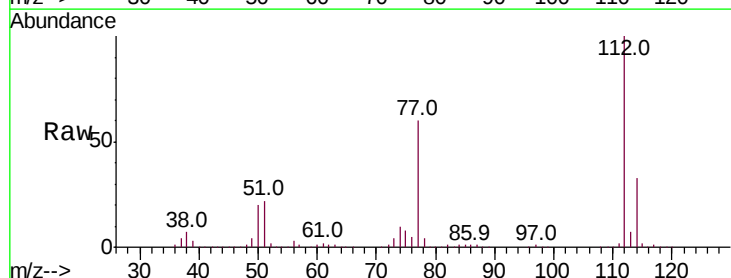
RT: 10.14 min Scan# 1474

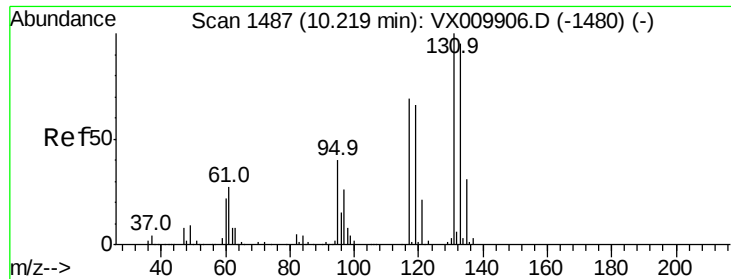
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	112	Resp:	231639
Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.8	38.8





#66

1,1,1,2-Tetrachloroethane

Concen: 51.953 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion:131 Resp: 84135

Ion Ratio Lower Upper

131 100

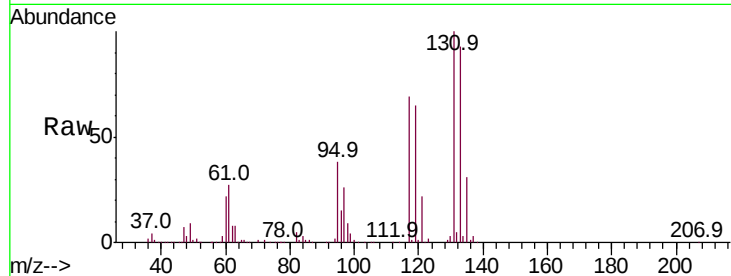
133 95.8 47.5 142.6

119 65.7 33.4 100.1

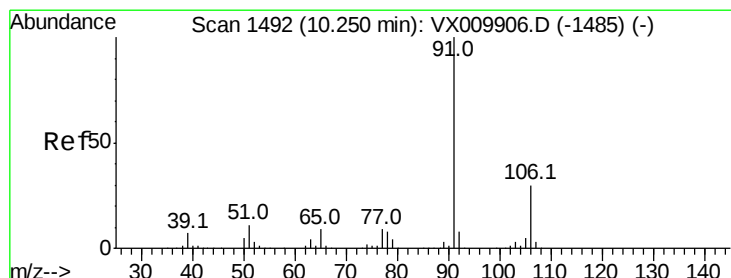
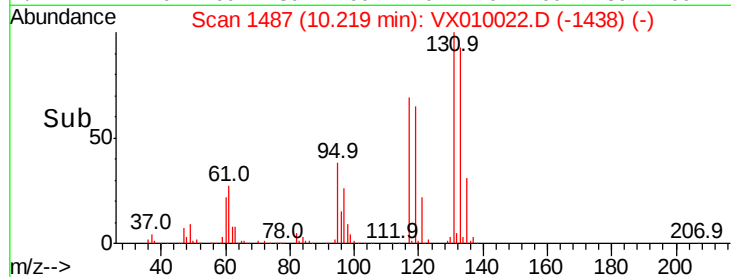
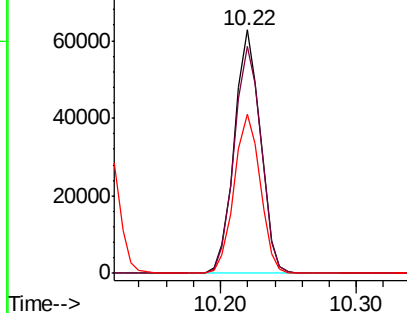
Manual Integrations
APPROVED

MMDadoda

6/3/2019 9:34:35 AM



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.689 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010022.D

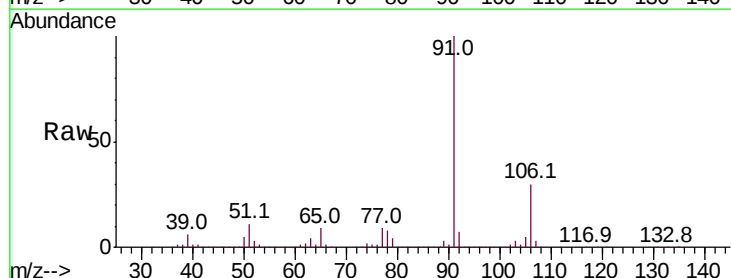
Acq: 01 Jun 2019 06:49

Tgt Ion: 91 Resp: 424947

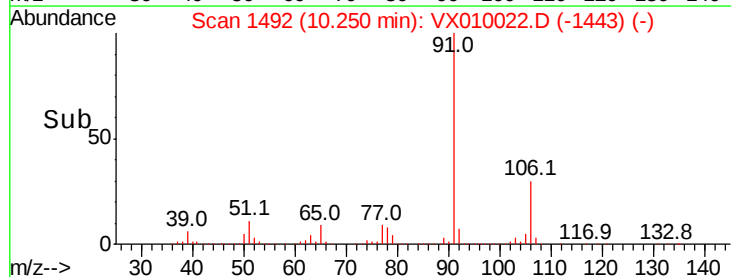
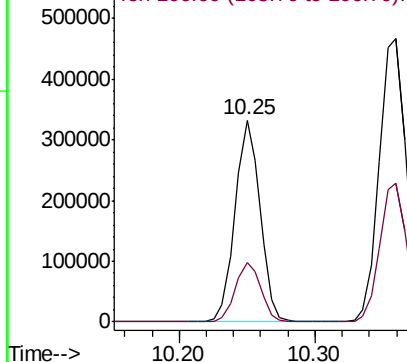
Ion Ratio Lower Upper

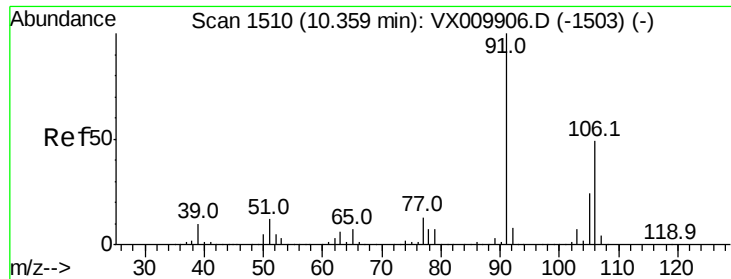
91 100

106 29.5 23.9 35.9



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





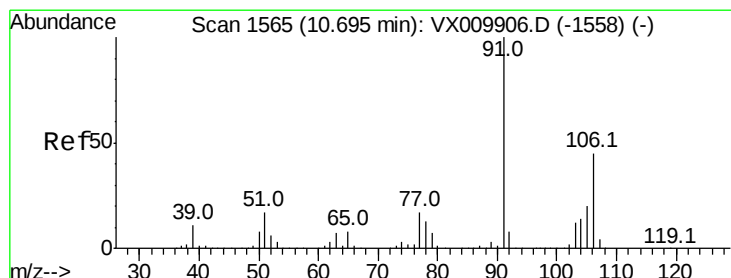
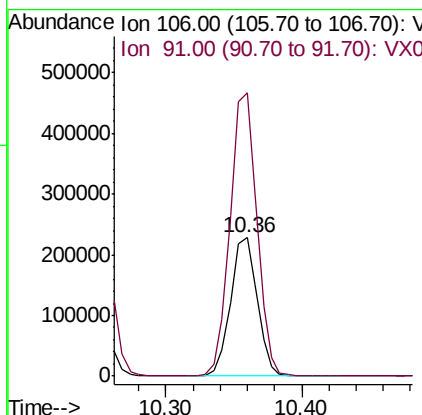
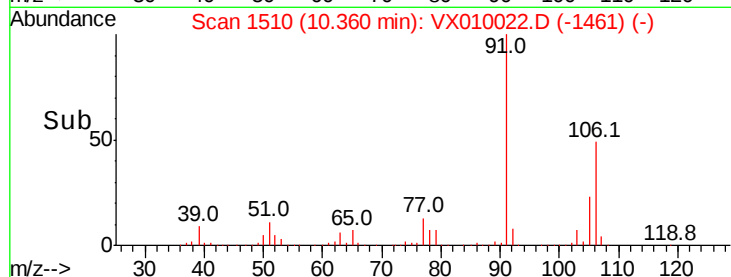
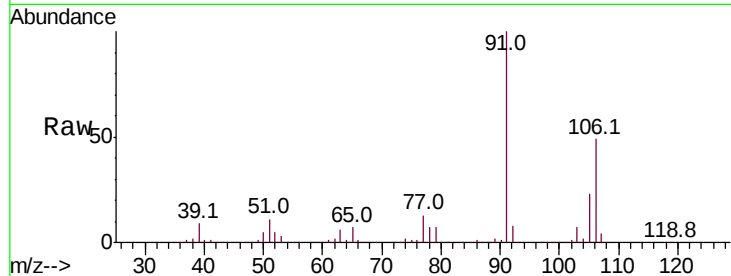
#68
m/p-Xylenes
Concen: 100.449 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:106 Resp: 311107
Ion Ratio Lower Upper
106 100
91 206.8 167.3 250.9

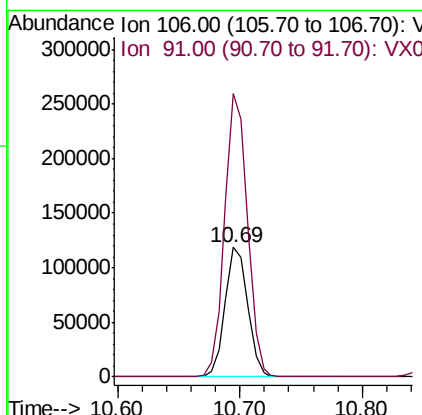
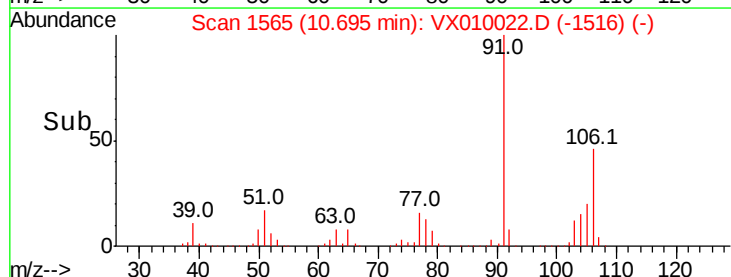
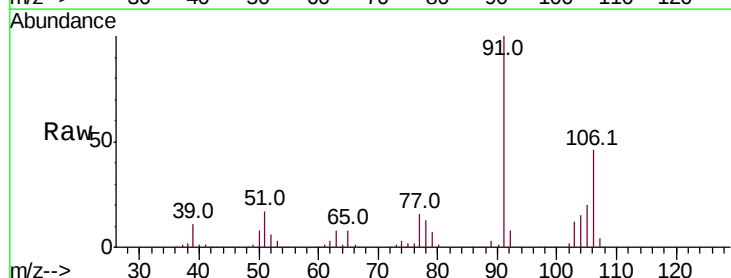
Manual Integrations
APPROVED

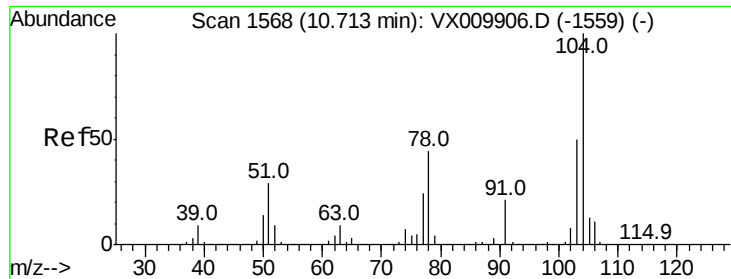
MMDadoda
6/3/2019 9:34:35 AM



#69
o-Xylene
Concen: 51.540 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion:106 Resp: 153090
Ion Ratio Lower Upper
106 100
91 218.1 110.4 331.2





#70

Stvrene

Concen: 51.960 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

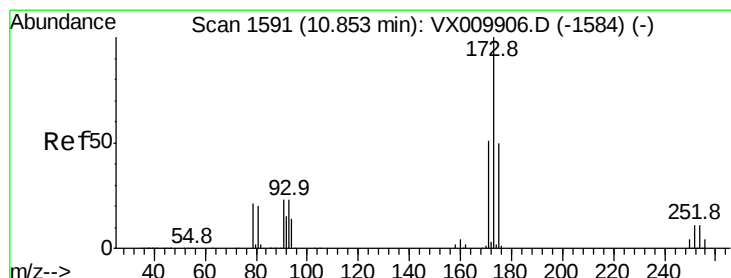
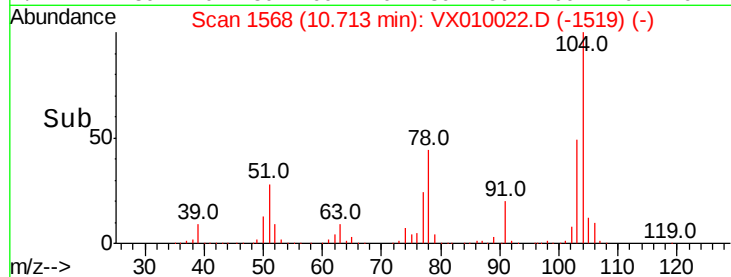
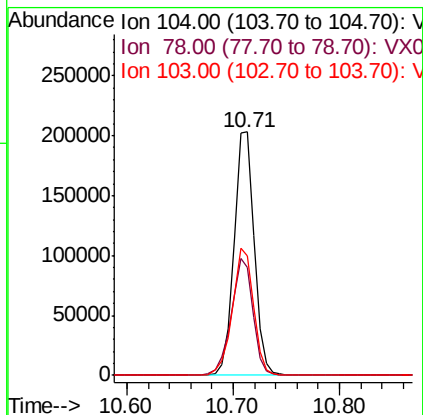
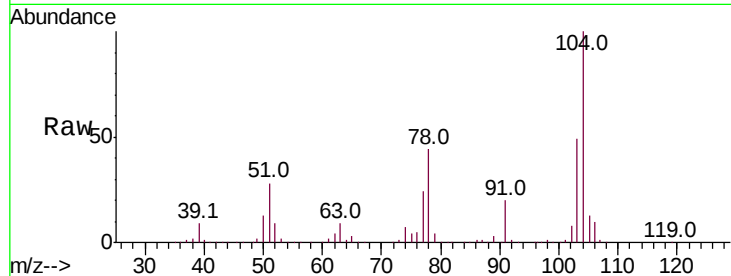
ClientSampleId :

LF012MW004-190528MSD

Tot Ion:	104	Resp:	270632
Ion Ratio	Lower	Upper	
104	100		
78	51.4	42.1	63.1
103	55.0	44.1	66.1

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#71

Bromoform

Concen: 54.901 ug/l

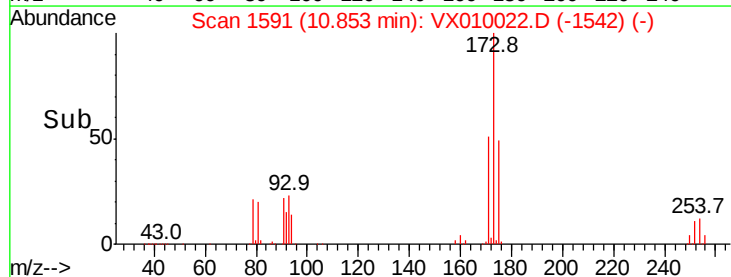
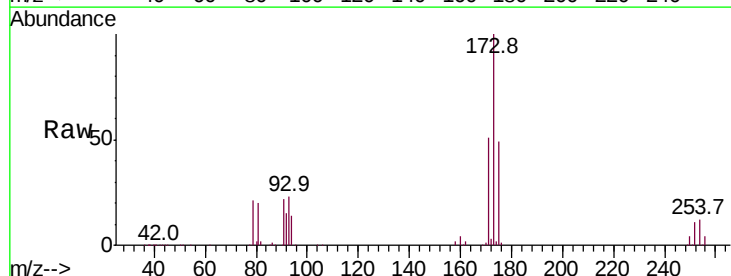
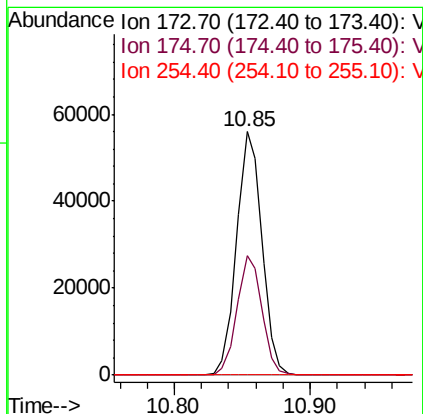
RT: 10.85 min Scan# 1591

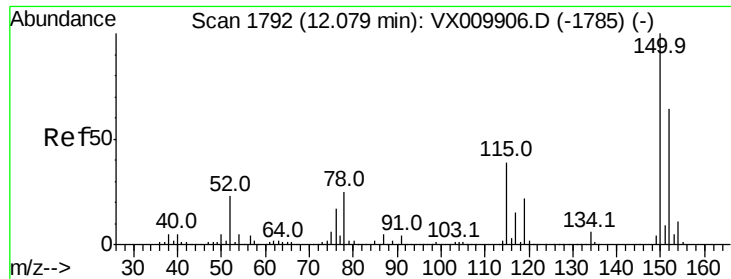
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion:	173	Resp:	72675
Ion Ratio	Lower	Upper	
173	100		
175	48.1	25.0	75.0
254	0.2	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: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion:152 Resp: 109522

Ion Ratio Lower Upper

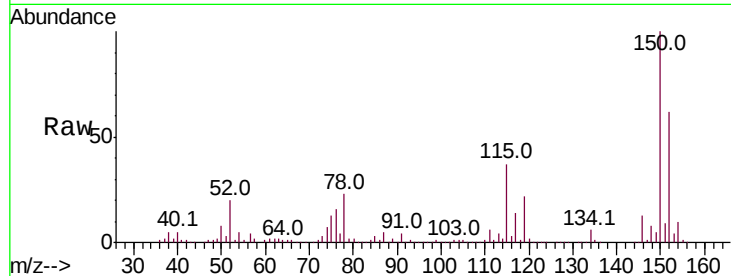
152 100

115 81.6 41.4 124.2

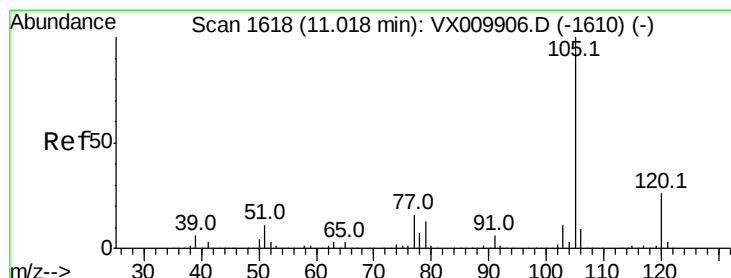
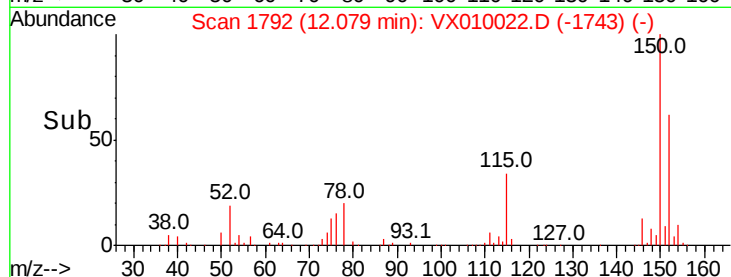
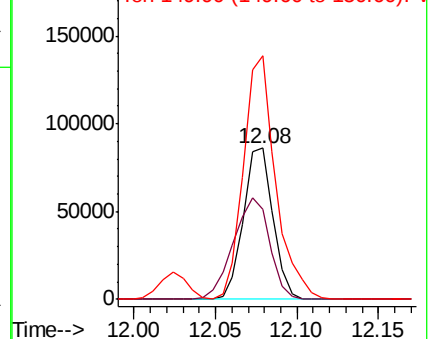
150 174.1 0.0 345.2

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



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



#73

Isopropylbenzene

Concen: 49.880 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010022.D

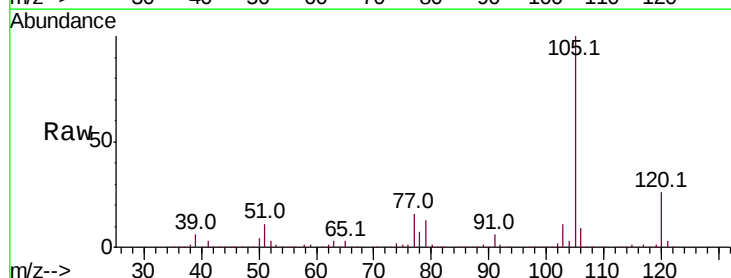
Acq: 01 Jun 2019 06:49

Tgt Ion:105 Resp: 403071

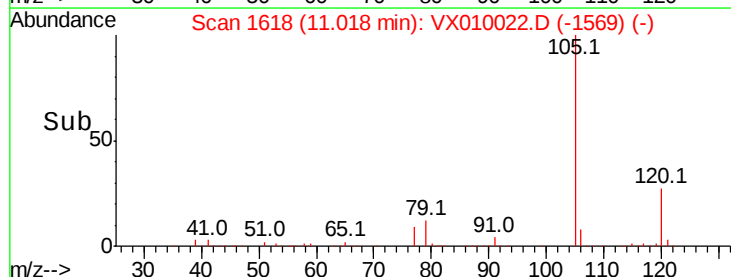
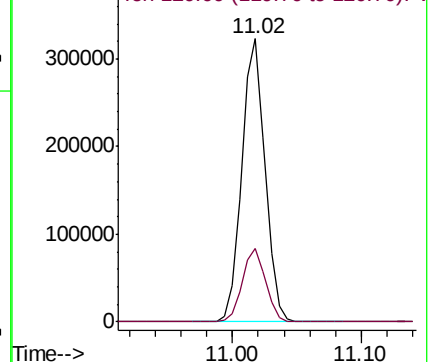
Ion Ratio Lower Upper

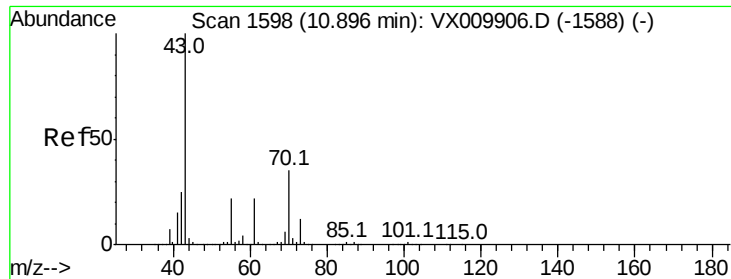
105 100

120 26.0 12.8 38.4



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





#74

N-amvl acetate

Concen: 46.372 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

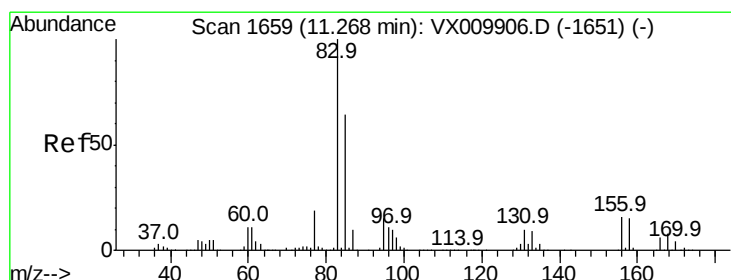
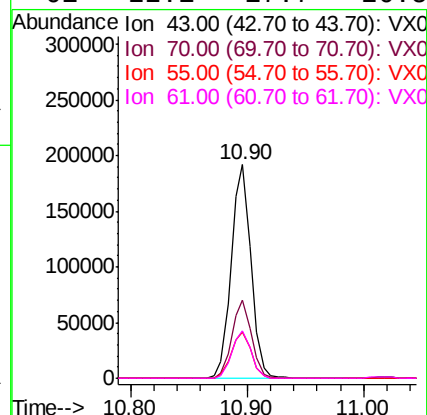
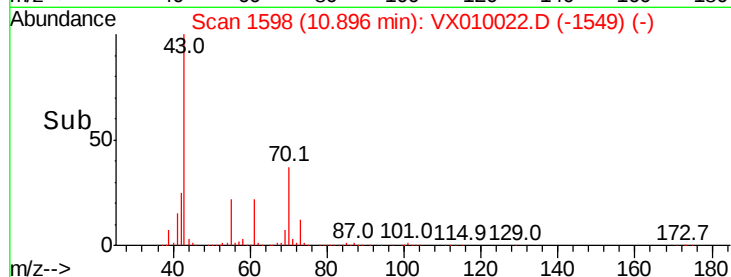
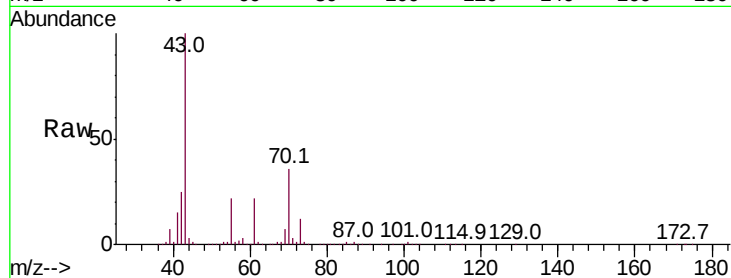
ClientSampleId :

LF012MW004-190528MSD

Tot Ion	43	Resp	223918
Ion Ratio	Lower	Upper	
43	100		
70	36.4	28.6	43.0
55	22.1	17.8	26.8
61	22.1	17.7	26.5

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 50.740 ug/l

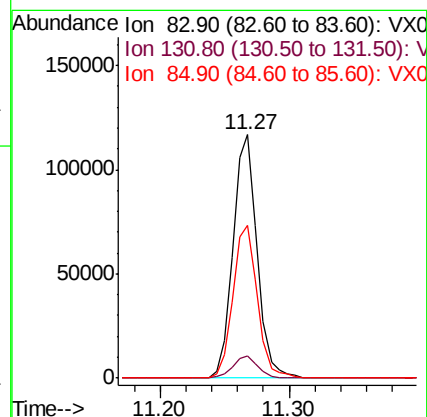
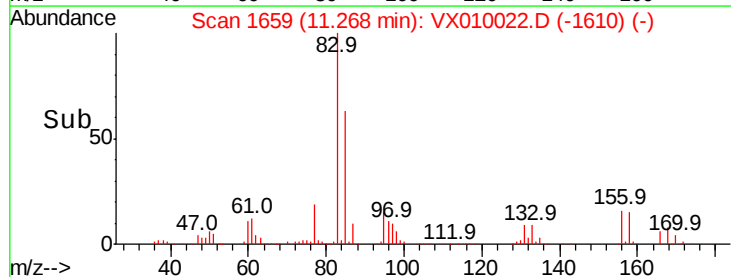
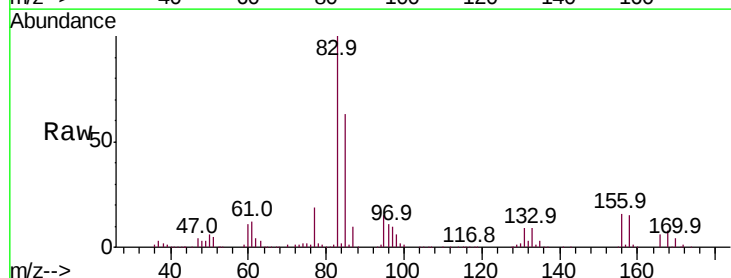
RT: 11.27 min Scan# 1659

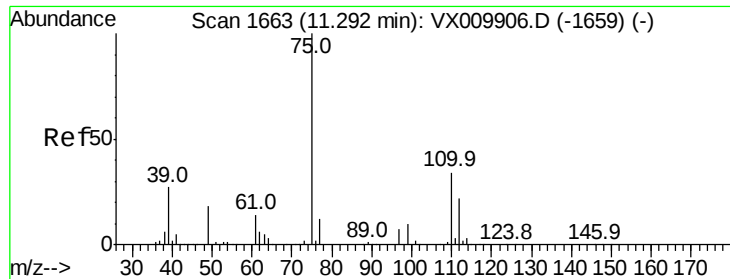
Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Tgt Ion	83	Resp	152967
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.7	14.1
85	63.8	31.9	95.9





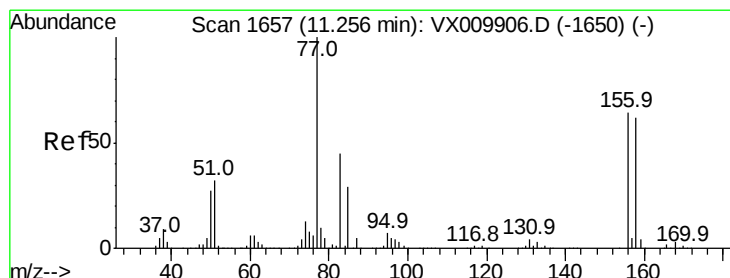
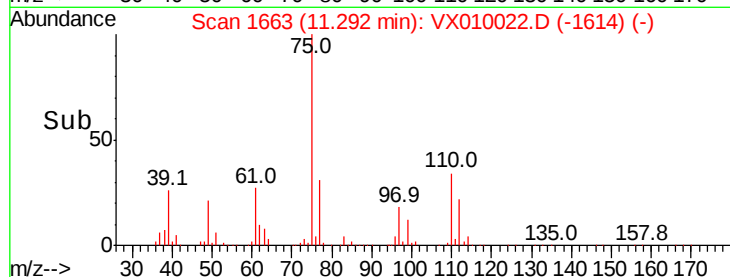
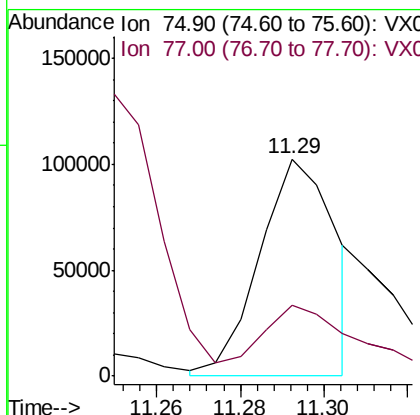
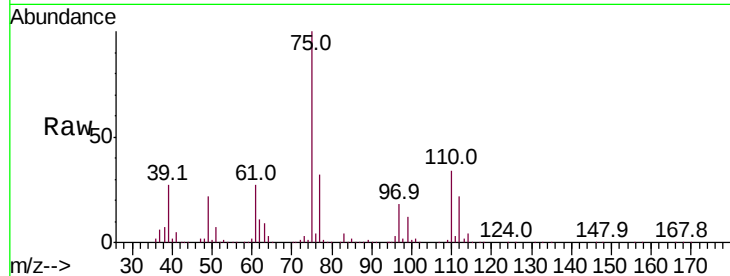
#76
1,2,3-Trichloropropane
Concen: 49.866 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	41.9	22.1	66.1

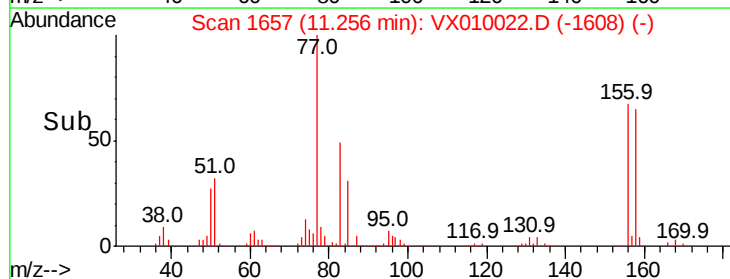
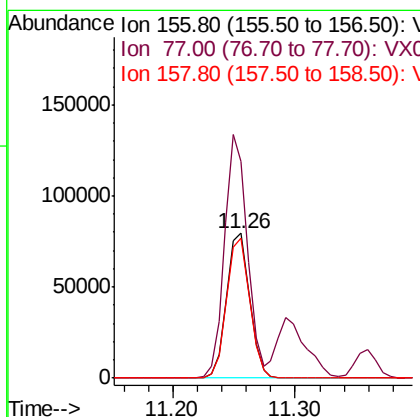
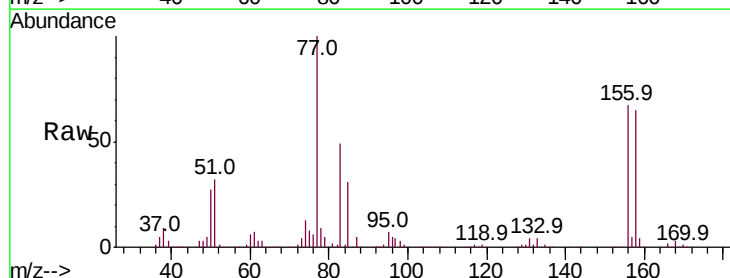
Manual Integrations
APPROVED

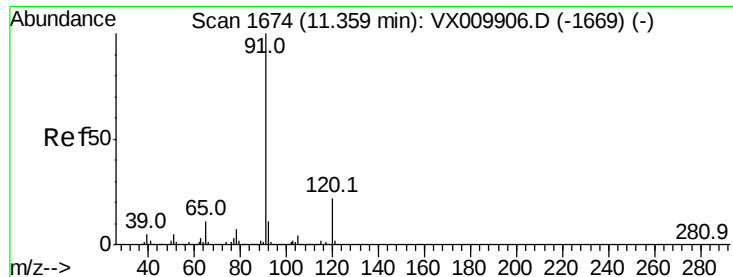
MMDadoda
6/3/2019 9:34:35 AM



#77
Bromobenzene
Concen: 50.485 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
156	100		
77	164.4	86.8	260.3
158	96.6	49.6	148.8





#78

n-propylbenzene

Concen: 49.486 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion: 91 Resp: 460931

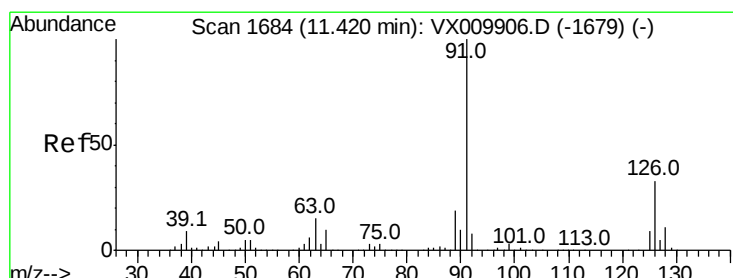
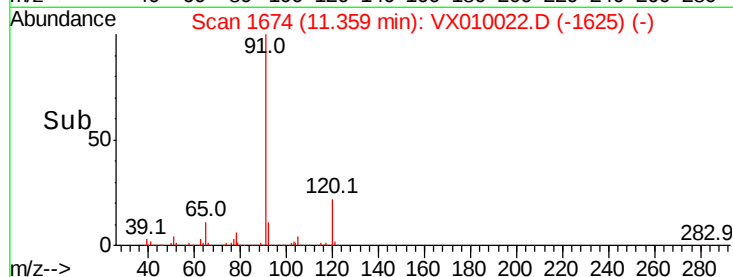
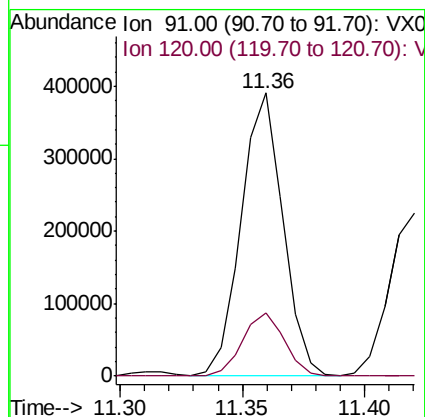
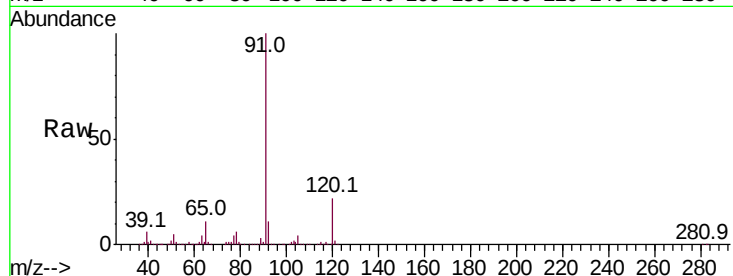
Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.3

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#79

2-Chlorotoluene

Concen: 49.002 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010022.D

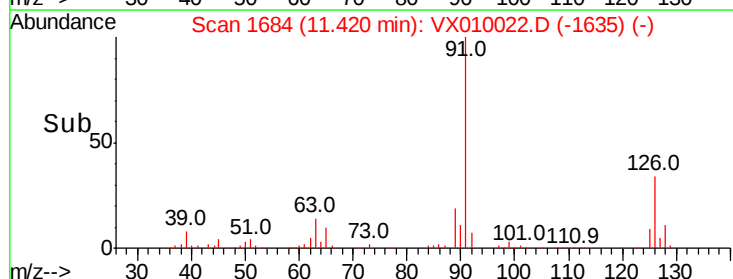
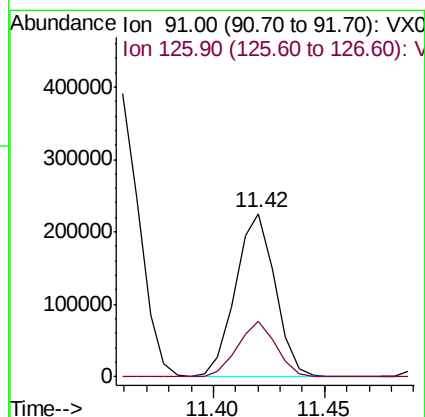
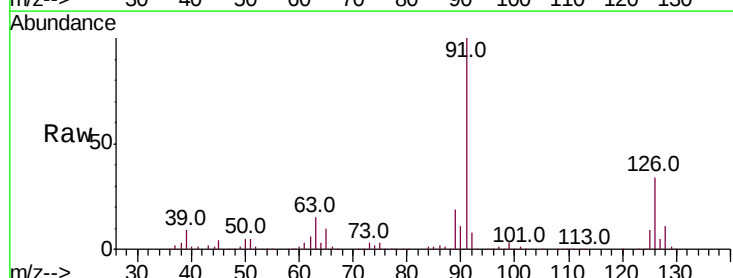
Acq: 01 Jun 2019 06:49

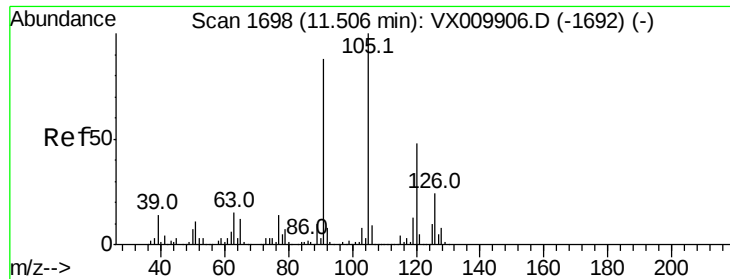
Tgt Ion: 91 Resp: 278862

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.3





#80

1,3,5-Trimethylbenzene

Concen: 50.332 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

ClientSampleId :

LF012MW004-190528MSD

Tot Ion:105 Resp: 342647

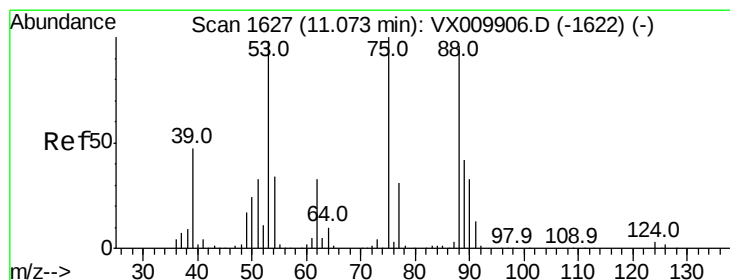
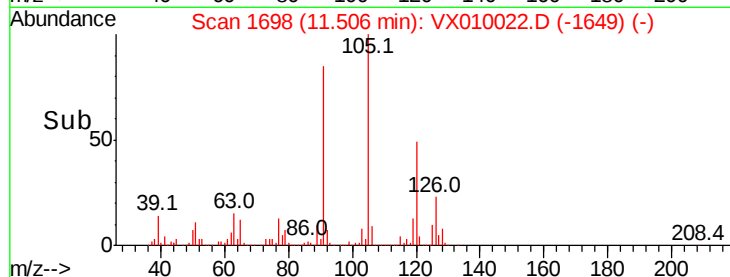
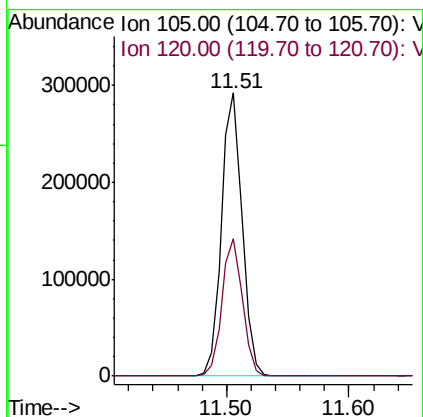
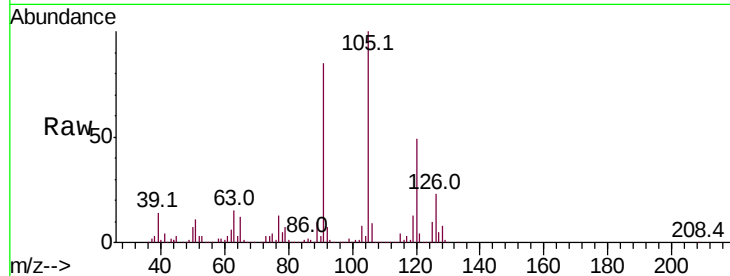
Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 41.753 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

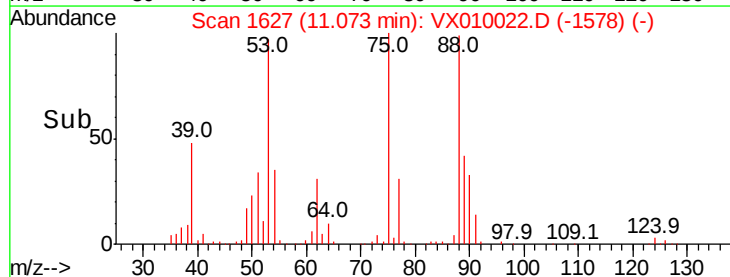
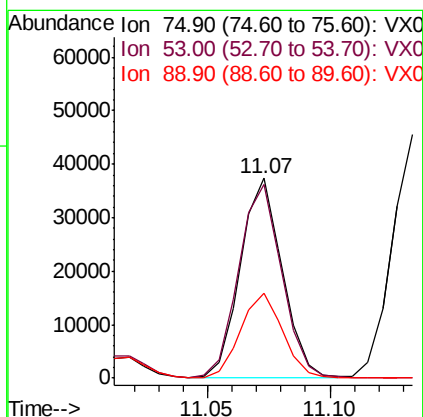
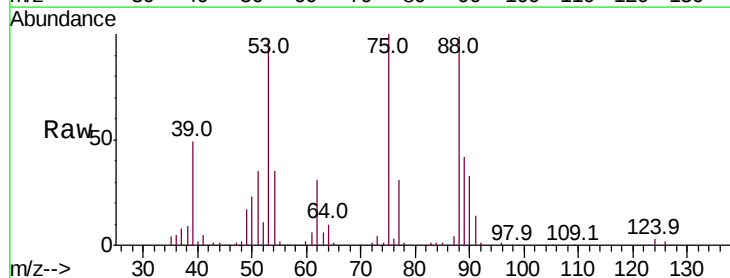
Tgt Ion: 75 Resp: 44197

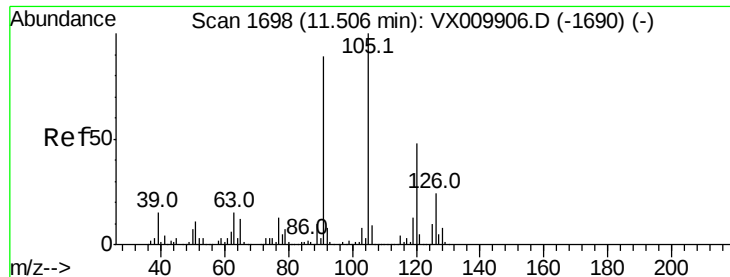
Ion Ratio Lower Upper

75 100

53 99.6 79.8 119.6

89 43.4 34.2 51.4





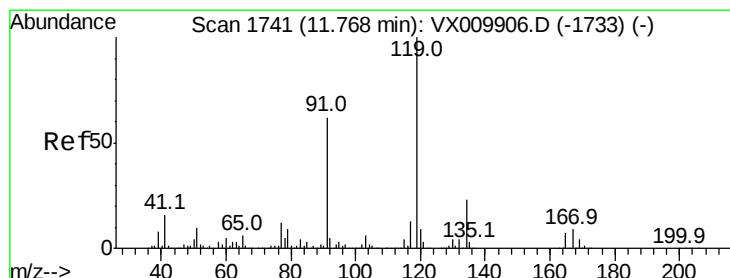
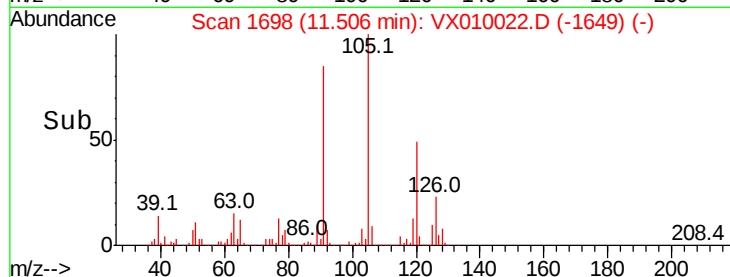
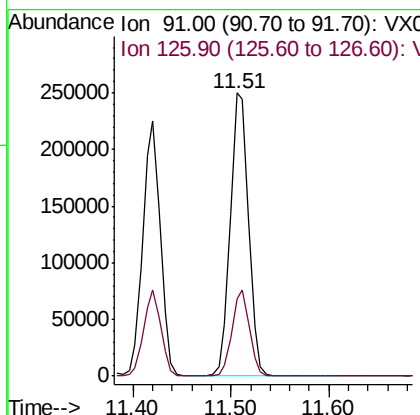
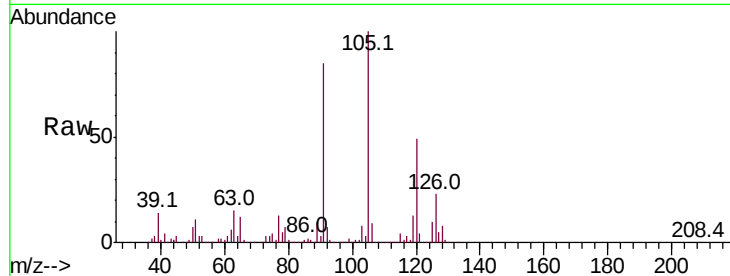
#82
4-Chlorotoluene
Concen: 48.819 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion: 91 Resp: 323413
Ion Ratio Lower Upper
91 100
126 29.2 14.2 42.6

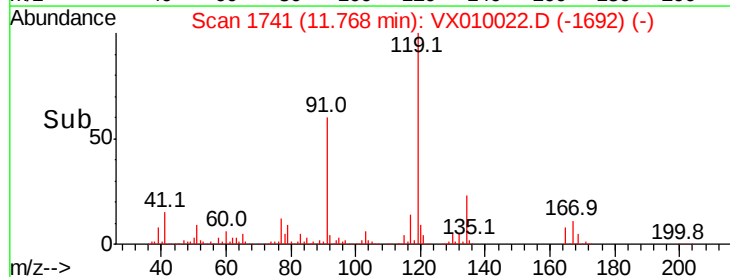
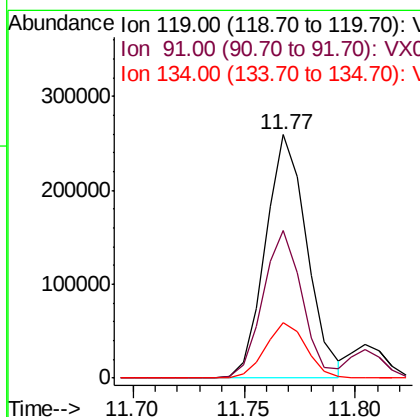
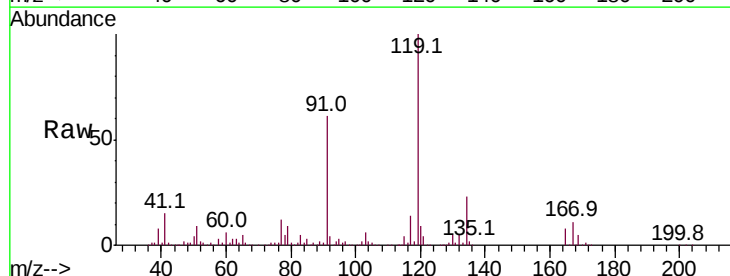
Manual Integrations
APPROVED

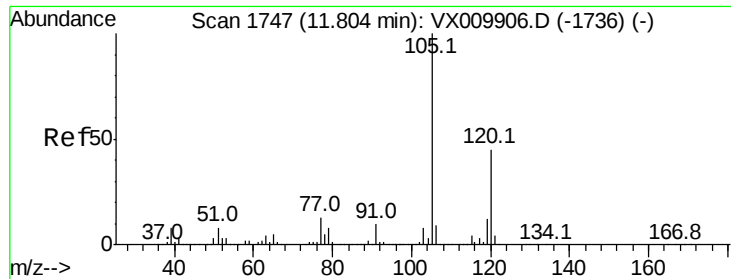
MMDadoda
6/3/2019 9:34:35 AM



#83
tert-Butylbenzene
Concen: 51.467 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion: 119 Resp: 335204
Ion Ratio Lower Upper
119 100
91 57.9 30.0 90.0
134 22.4 11.2 33.5





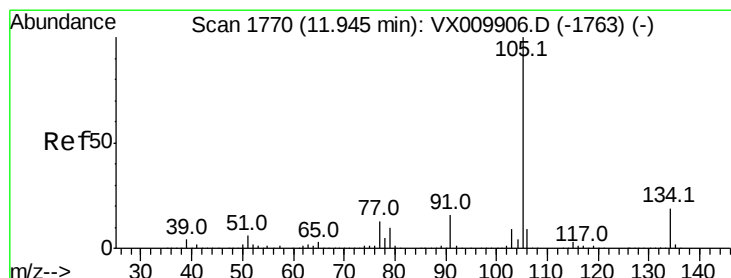
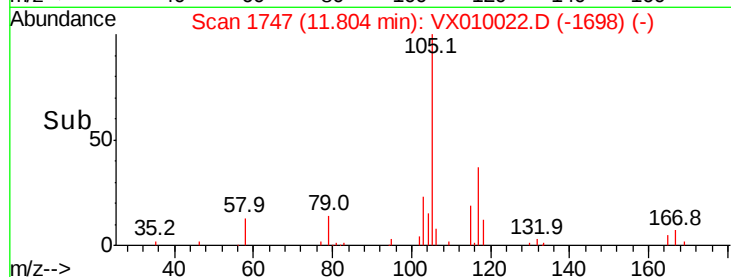
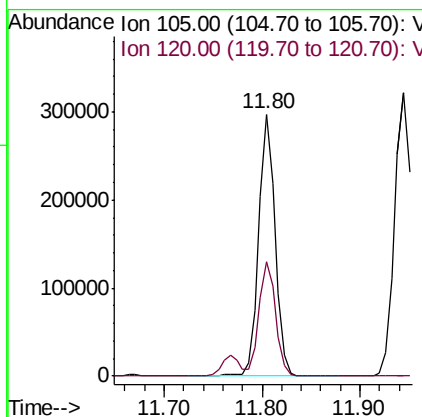
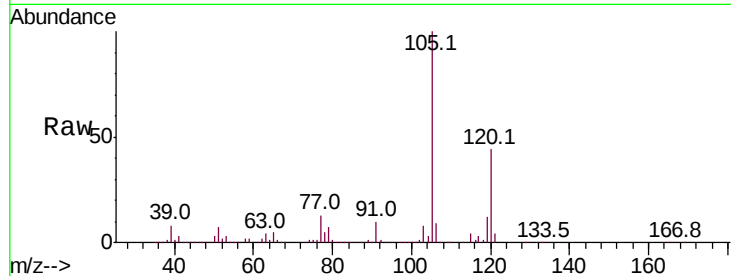
#84
 1,2,4-Trimethylbenzene
 Concen: 49.855 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion:105 Resp: 344676
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.1 66.1

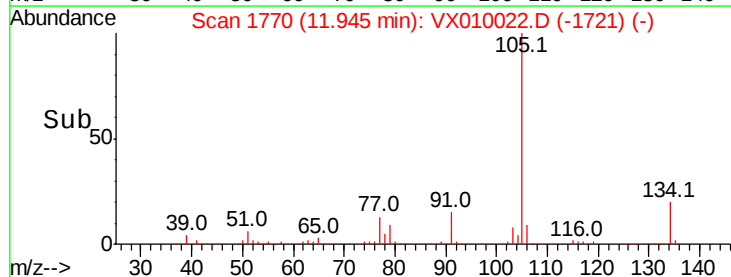
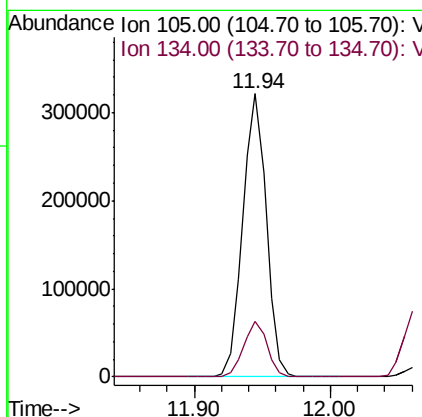
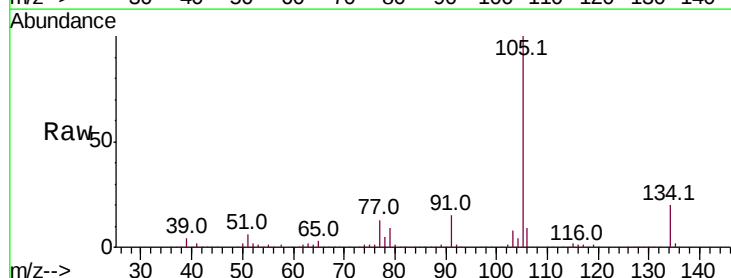
Manual Integrations
 APPROVED

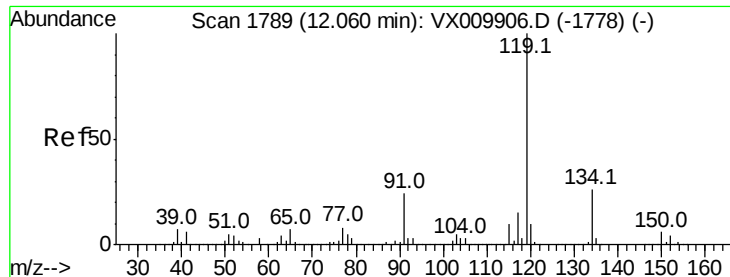
MMDadoda
 6/3/2019 9:34:35 AM



#85
 sec-Butylbenzene
 Concen: 50.063 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion:105 Resp: 387906
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 28.9





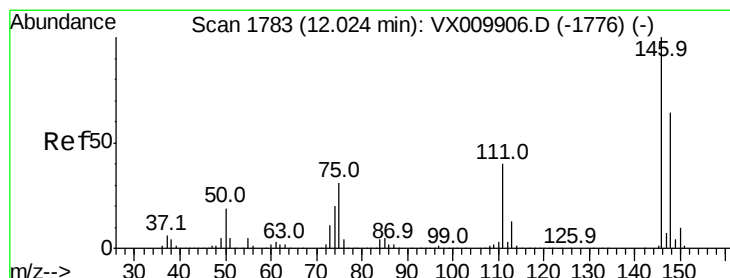
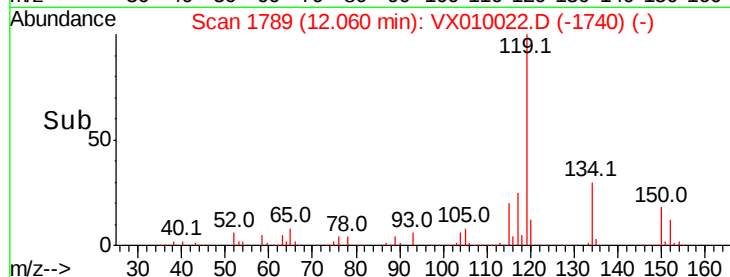
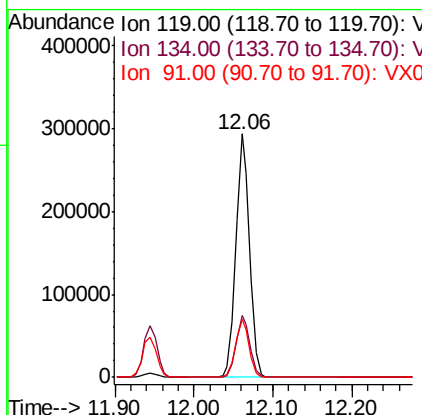
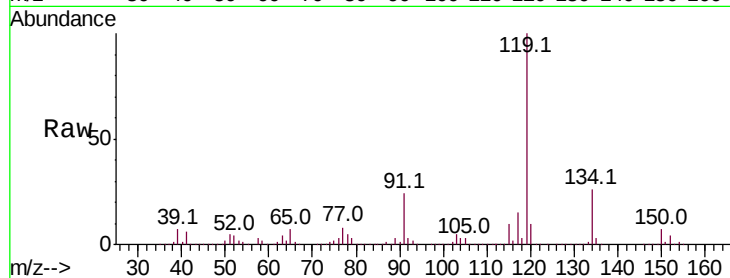
#86
p-Isopropyltoluene
Concen: 50.703 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
134	25.5	12.9	38.6	
91	23.7	11.9	35.9	

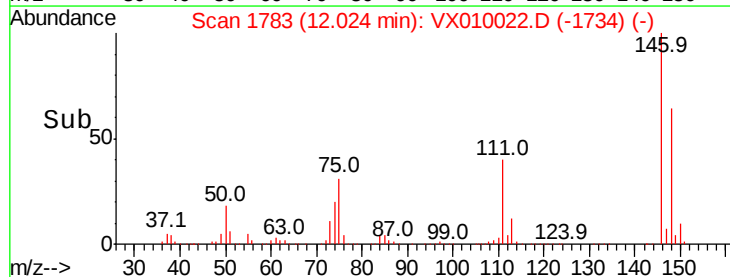
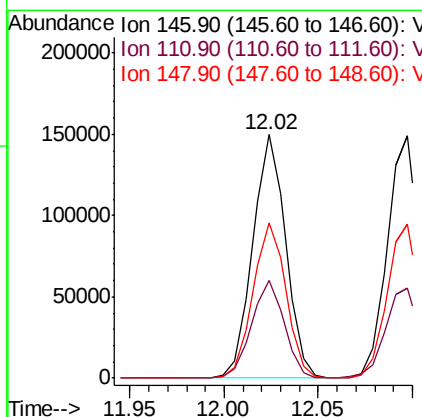
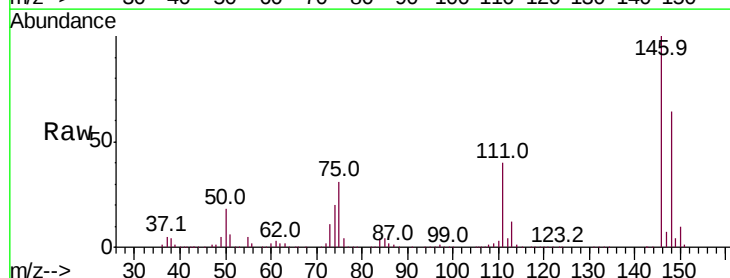
Manual Integrations
APPROVED

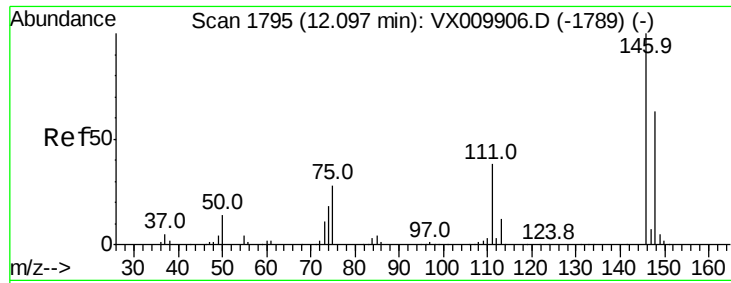
MMDadoda
6/3/2019 9:34:35 AM



#87
1,3-Dichlorobenzene
Concen: 49.412 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.7	20.1	60.2	
148	63.9	31.9	95.5	





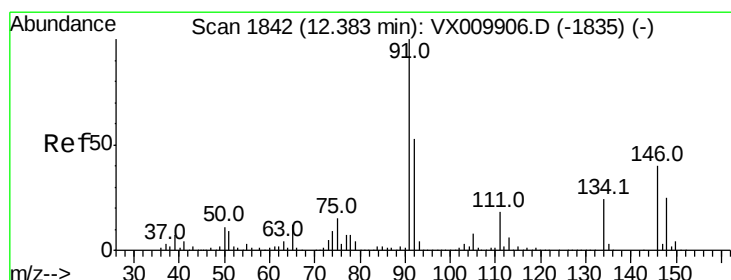
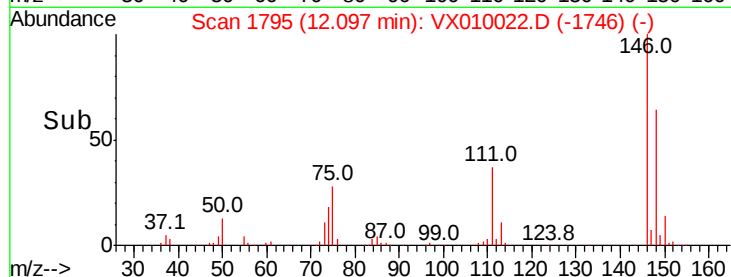
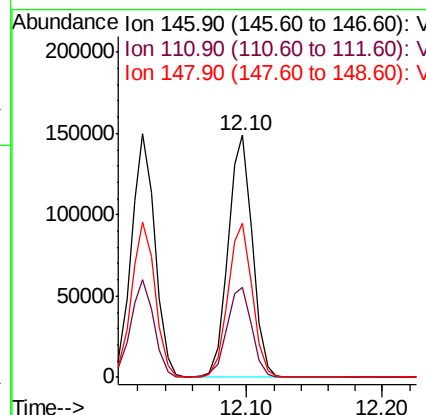
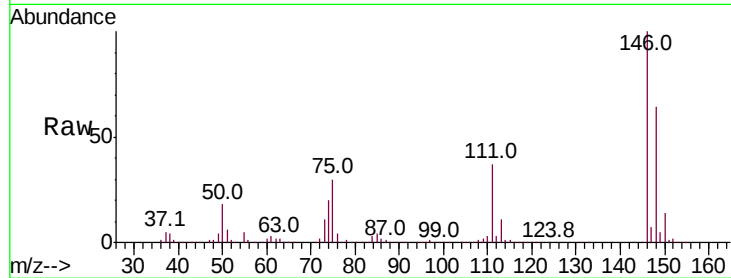
#88
 1,4-Dichlorobenzene
 Concen: 48.906 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	63.7	32.3	96.9

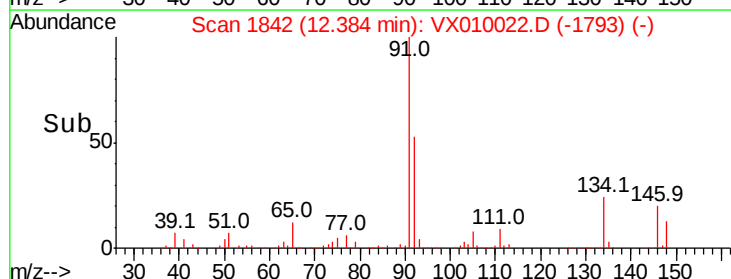
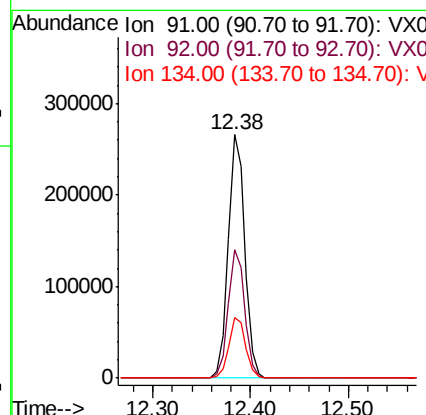
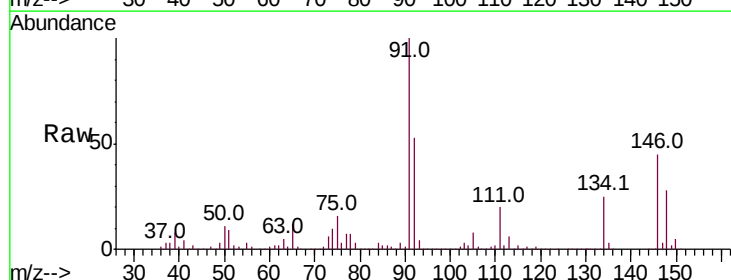
Manual Integrations
 APPROVED

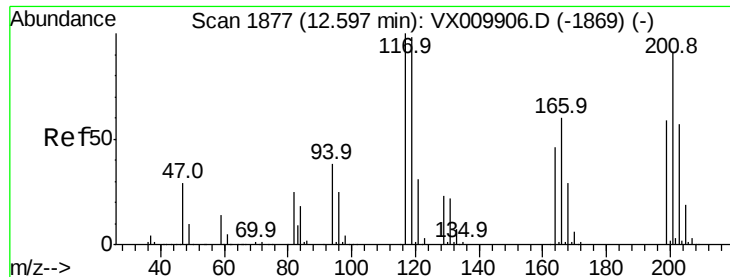
MMDadoda
 6/3/2019 9:34:35 AM



#89
 n-Butylbenzene
 Concen: 47.408 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	25.1	12.3	36.8





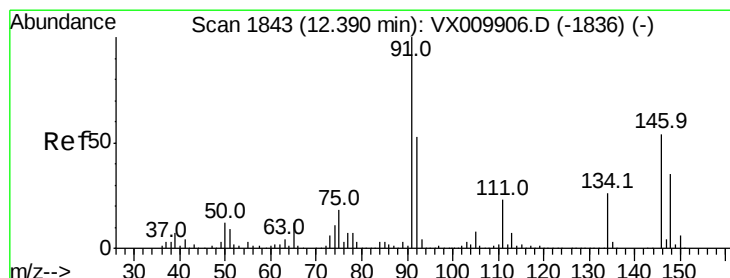
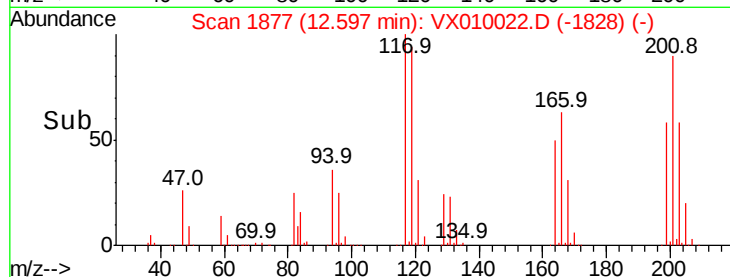
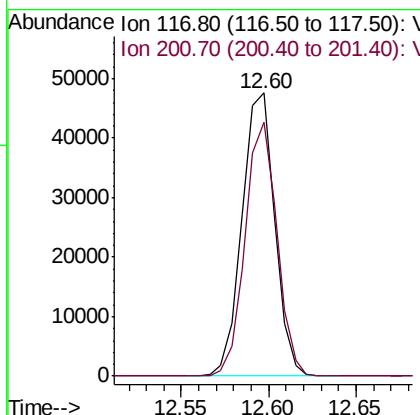
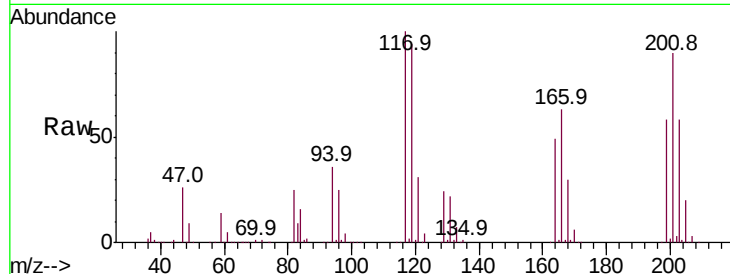
#90
Hexachloroethane
Concen: 51.870 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Instrument :
MSVOA_X
ClientSampleId :
LF012MW004-190528MSD

Tot Ion:117 Resp: 62039
Ion Ratio Lower Upper
117 100
201 87.3 43.6 130.9

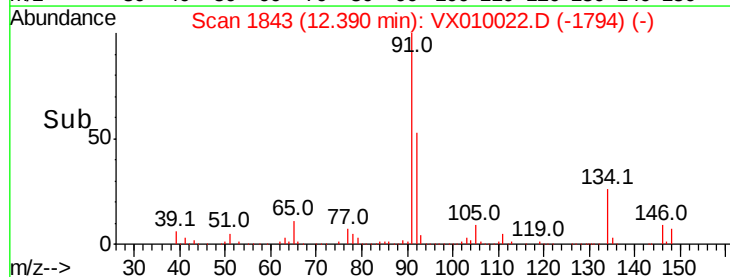
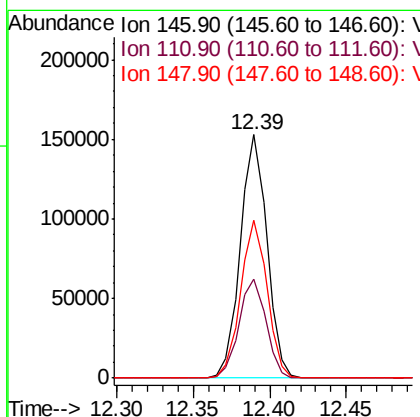
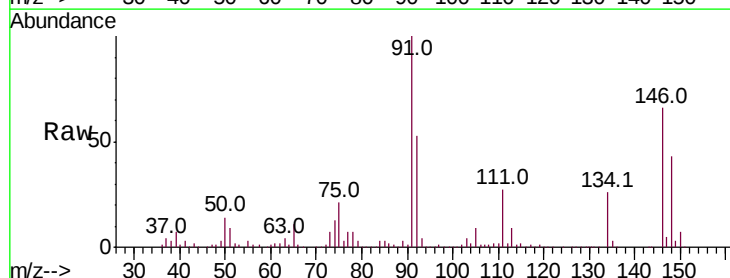
Manual Integrations
APPROVED

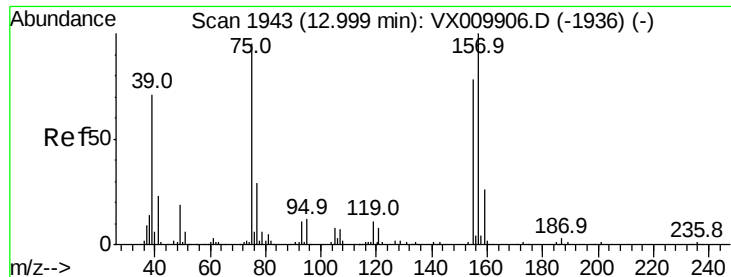
MMDadoda
6/3/2019 9:34:35 AM



#91
1,2-Dichlorobenzene
Concen: 51.149 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010022.D
Acq: 01 Jun 2019 06:49

Tgt Ion:146 Resp: 184889
Ion Ratio Lower Upper
146 100
111 41.2 21.1 63.1
148 64.4 32.3 96.8





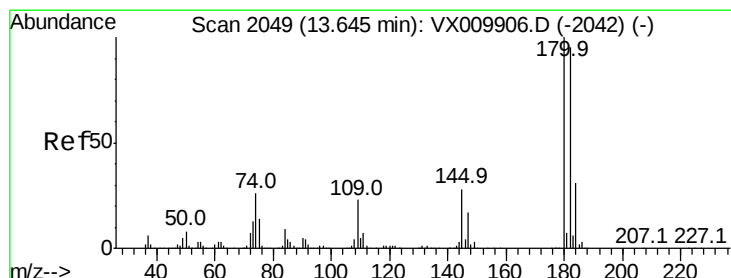
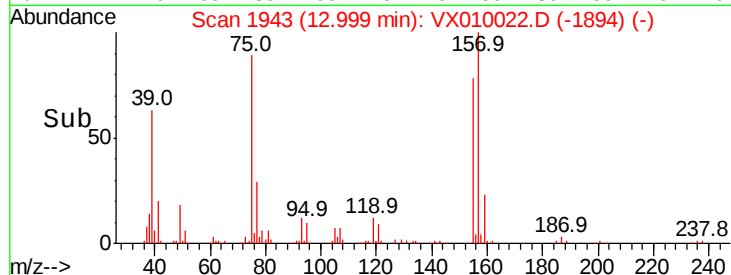
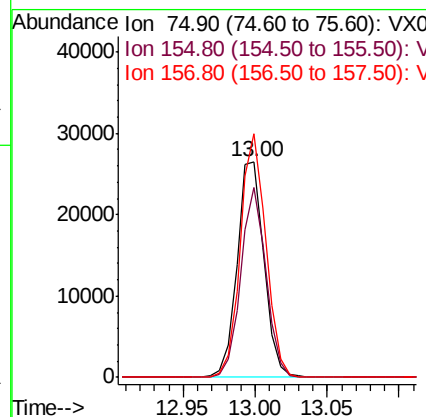
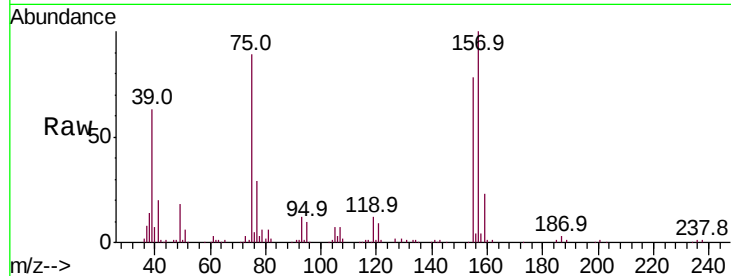
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.814 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.9	39.3	117.8
157	106.7	50.6	151.8

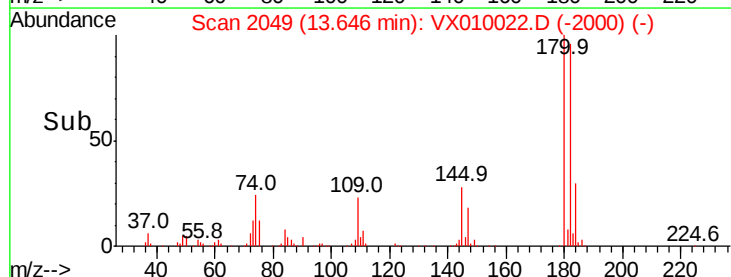
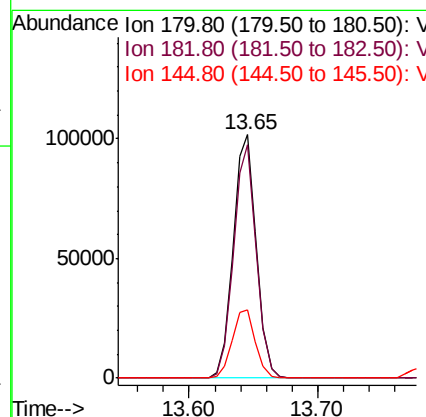
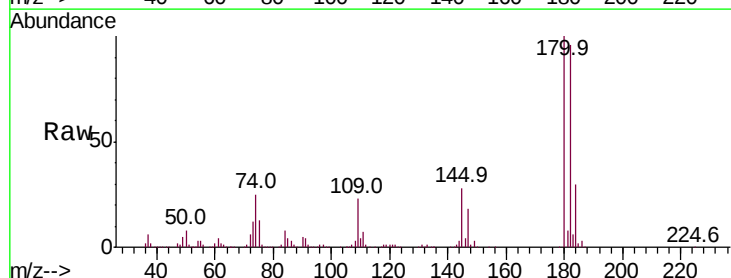
Manual Integrations
 APPROVED

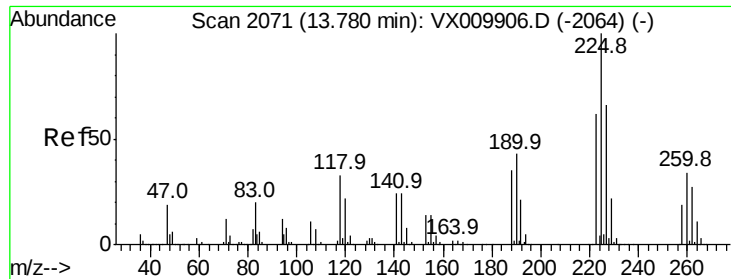
MMDadoda
 6/3/2019 9:34:35 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.370 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.2
145	28.4	14.5	43.5





#94

Hexachlorobutadiene

Concen: 46.965 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010022.D

Acq: 01 Jun 2019 06:49

Instrument :

MSVOA_X

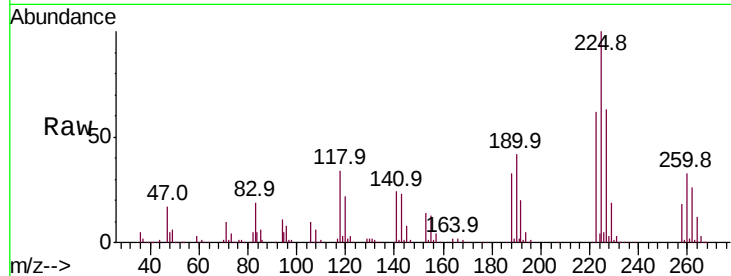
ClientSampleId :

LF012MW004-190528MSD

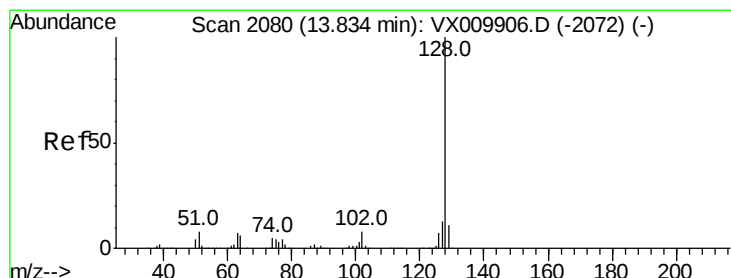
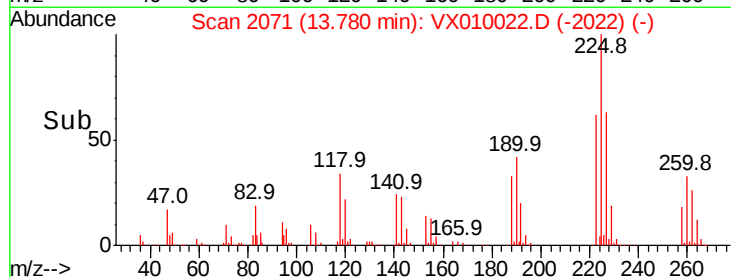
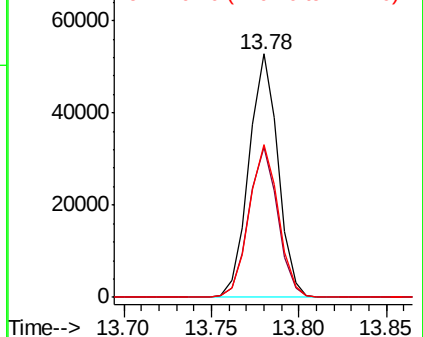
Tot Ion:	225	Resp:	60850
Ion Ratio	Lower	Upper	
225	100		
223	61.8	31.3	93.8
227	63.2	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
6/3/2019 9:34:35 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: 51.442 ug/l

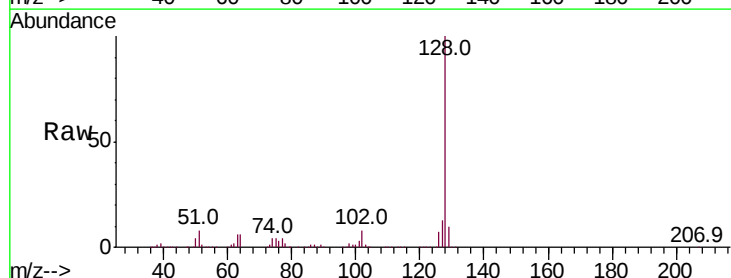
RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

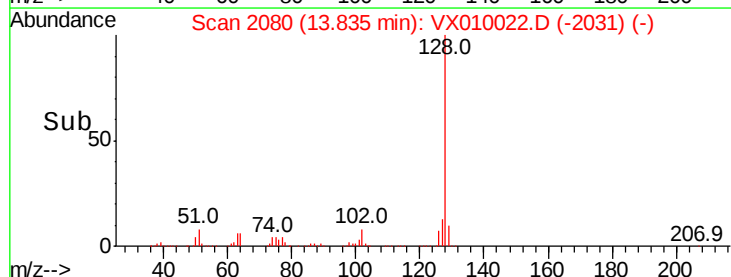
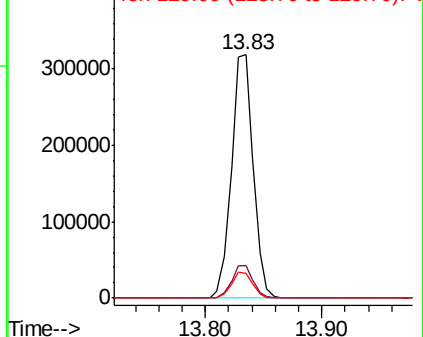
Lab File: VX010022.D

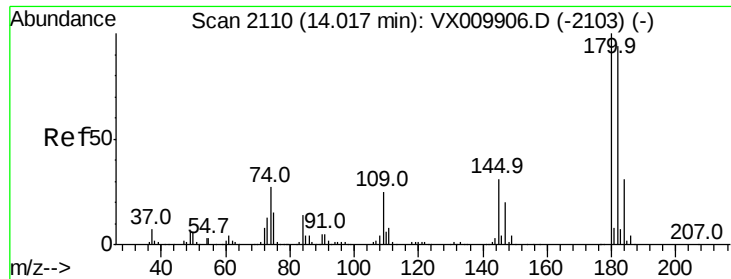
Acq: 01 Jun 2019 06:49

Tgt Ion:	128	Resp:	413521
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.5	8.8	13.2



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





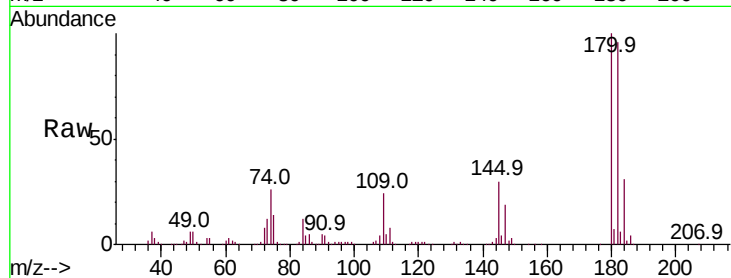
#96
 1,2,3-Trichlorobenzene
 Concen: 49.658 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010022.D
 Acq: 01 Jun 2019 06:49

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.6	47.3	142.0
145	30.6	15.6	46.7

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:35 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

