

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009084.D
 Acq On : 22 Apr 2019 09:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:42 AM

Quant Time: Apr 23 03:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	370323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	322869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	149281	45.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.98%	
35) Dibromofluoromethane	5.49	113	110893	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	8.71	98	443431	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
62) 4-Bromofluorobenzene	11.13	95	154794	46.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141226	52.653	ug/l	98
3) Chloromethane	1.32	50	155968	47.365	ug/l	99
4) Vinyl Chloride	1.41	62	155872	48.634	ug/l	98
5) Bromomethane	1.64	94	79889	40.590	ug/l	99
6) Chloroethane	1.71	64	90848	48.204	ug/l	97
7) Trichlorofluoromethane	1.92	101	180992	48.368	ug/l	100
8) Diethyl Ether	2.19	74	80059	46.782	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110949	46.373	ug/l	99
10) Methyl Iodide	2.51	142	103145	40.363	ug/l	99
11) Tert butyl alcohol	3.06	59	161665	221.924	ug/l	100
12) 1,1-Dichloroethene	2.37	96	111112	44.494	ug/l	97
13) Acrolein	2.29	56	131292	208.589	ug/l	100
14) Allyl chloride	2.73	41	266862	48.981	ug/l	99
15) Acrylonitrile	3.14	53	424272	229.434	ug/l	100
16) Acetone	2.45	43	441504	259.424	ug/l	99
17) Carbon Disulfide	2.57	76	359736	49.046	ug/l	100
18) Methyl Acetate	2.77	43	189300	44.568	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	425497	47.819	ug/l	99
20) Methylene Chloride	2.85	84	133525	45.879	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	124367	46.691	ug/l	95
22) Diisopropyl ether	3.85	45	515400	48.683	ug/l	91
23) Vinyl Acetate	3.81	43	2308525	248.060	ug/l	99
24) 1,1-Dichloroethane	3.70	63	253219	47.647	ug/l	100
25) 2-Butanone	4.67	43	670019	246.302	ug/l	99
26) 2,2-Dichloropropane	4.58	77	195441	49.061	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	141486	46.785	ug/l	98
28) Bromochloromethane	5.01	49	108852	49.284	ug/l	99
29) Tetrahydrofuran	5.12	42	415443	228.170	ug/l	99
30) Chloroform	5.21	83	228184	47.982	ug/l	98
31) Cyclohexane	5.57	56	261753	50.077	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	191592	48.609	ug/l	100
36) 1,1-Dichloropropene	5.80	75	185696	48.485	ug/l	99
37) Ethyl Acetate	4.83	43	239431	48.583	ug/l	99
38) Carbon Tetrachloride	5.78	117	162518	50.053	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042219\
 Data File : VX009084.D
 Acq On : 22 Apr 2019 09:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:42 AM

Quant Time: Apr 23 03:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	237705	50.976	ug/l	98
40) Benzene	6.14	78	550366	48.711	ug/l	100
41) Methacrylonitrile	5.04	41	136404	48.225	ug/l	99
42) 1,2-Dichloroethane	6.19	62	192220	48.026	ug/l	100
43) Isopropyl Acetate	6.44	43	384932	48.468	ug/l	100
44) Trichloroethene	7.21	130	131509	47.504	ug/l	100
45) 1,2-Dichloropropane	7.51	63	155626	49.649	ug/l	99
46) Dibromomethane	7.66	93	87418	47.921	ug/l	99
47) Bromodichloromethane	7.89	83	178391	49.858	ug/l	99
48) Methyl methacrylate	7.77	41	191866	48.893	ug/l	100
49) 1,4-Dioxane	7.74	88	64977	884.662	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1191937	235.579	ug/l	99
52) Toluene	8.78	92	330350	48.786	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	213353	51.813	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	234357	50.829	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	130813	48.743	ug/l	98
56) Ethyl methacrylate	9.18	69	234698	48.772	ug/l	99
57) 1,3-Dichloropropane	9.37	76	232175	48.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	614287	237.052	ug/l	100
59) 2-Hexanone	9.49	43	938569	240.607	ug/l	100
60) Dibromochloromethane	9.58	129	133498	51.902	ug/l	99
61) 1,2-Dibromoethane	9.67	107	135839	49.042	ug/l	100
64) Tetrachloroethene	9.34	164	122613	49.990	ug/l	99
65) Chlorobenzene	10.13	112	337202	49.480	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	120795	50.315	ug/l	100
67) Ethyl Benzene	10.25	91	628312	50.435	ug/l	100
68) m/p-Xylenes	10.36	106	458837	101.344	ug/l	99
69) o-Xylene	10.69	106	219267	49.773	ug/l	99
70) Styrene	10.71	104	381159	49.928	ug/l	99
71) Bromoform	10.85	173	96678	50.546	ug/l #	98
73) Isopropylbenzene	11.02	105	590833	50.554	ug/l	100
74) N-amyl acetate	10.90	43	322820	48.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	197875	46.339	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	174451m	46.336	ug/l	
77) Bromobenzene	11.26	156	139620	47.349	ug/l	99
78) n-propylbenzene	11.36	91	690762	51.495	ug/l	100
79) 2-Chlorotoluene	11.42	91	397056	49.120	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	500124	50.995	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	72192	49.228	ug/l	98
82) 4-Chlorotoluene	11.51	91	465665	49.603	ug/l	100
83) tert-Butylbenzene	11.77	119	471748	50.101	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	504210	50.507	ug/l	99
85) sec-Butylbenzene	11.94	105	575986	51.290	ug/l	100
86) p-Isopropyltoluene	12.06	119	528683	51.206	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	252052	48.838	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	251216	48.018	ug/l	100
89) n-Butylbenzene	12.38	91	498597	51.854	ug/l	100
90) Hexachloroethane	12.60	117	89627	52.626	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	244691	48.014	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44420	45.687	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042219\
Data File : VX009084.D
Acq On : 22 Apr 2019 09:51
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

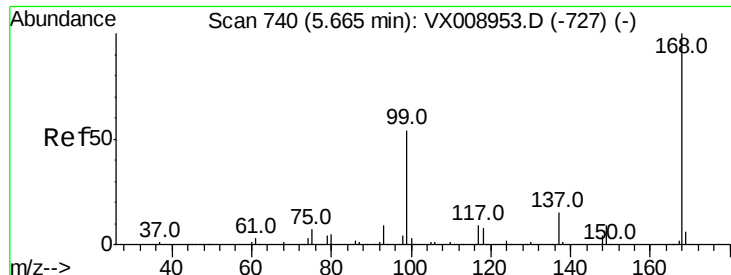
Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM

Quant Time: Apr 23 03:18:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180683	49.114	ug/l	99
94) Hexachlorobutadiene	13.78	225	92946	50.657	ug/l	99
95) Naphthalene	13.83	128	566120	48.032	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	178957	49.302	ug/l	99

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



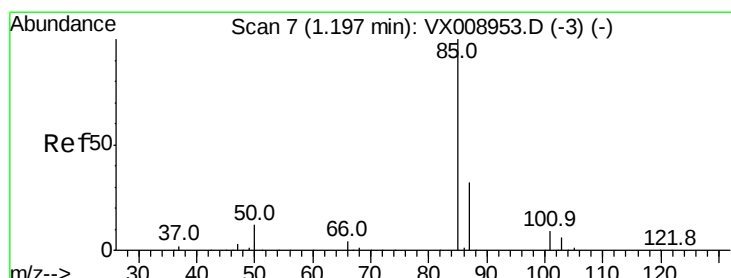
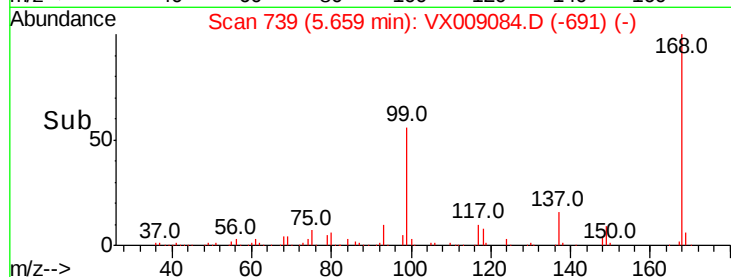
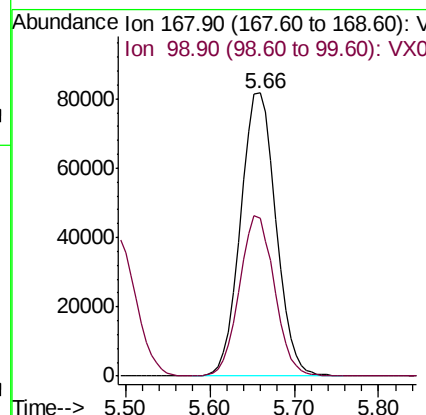
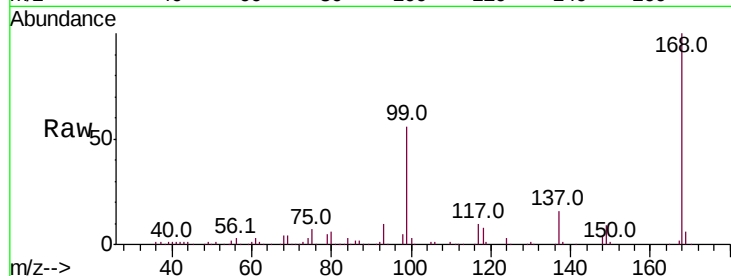
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.5	43.0	64.6

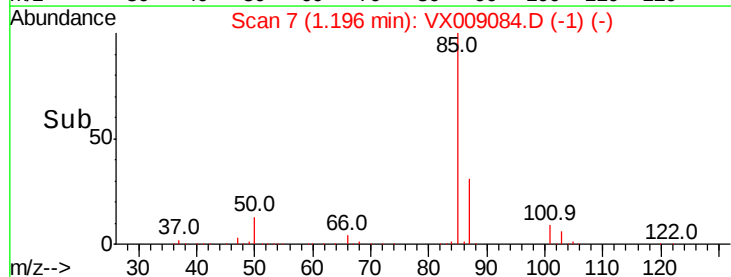
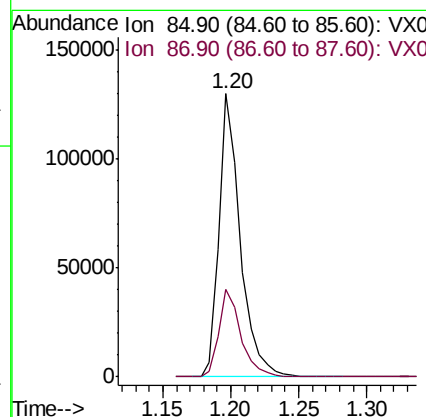
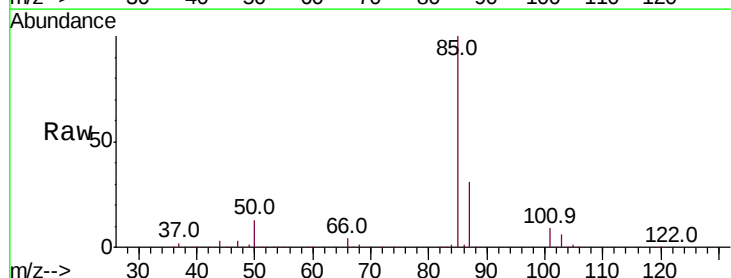
Manual Integrations
APPROVED

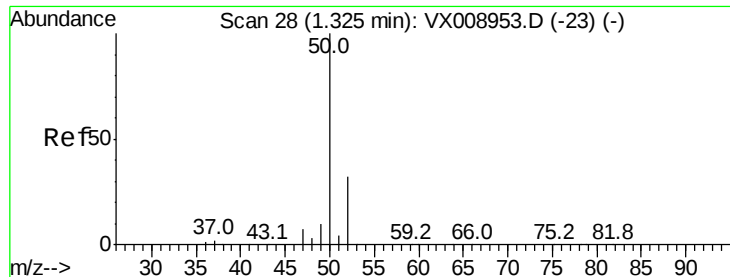
MMDadoda
4/23/2019 10:30:42 AM



#2
Dichlorodifluoromethane
Concen: 52.653 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.0	16.0	47.9





#3

Chloromethane

Concen: 47.365 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 155968

Ion Ratio Lower Upper

50 100

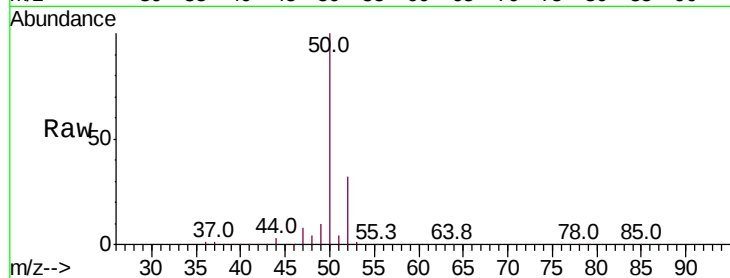
52 32.4 25.5 38.3

Manual Integrations

APPROVED

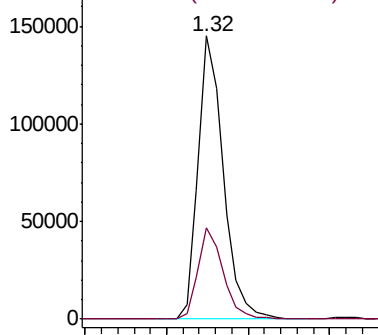
MMDadoda

4/23/2019 10:30:42 AM

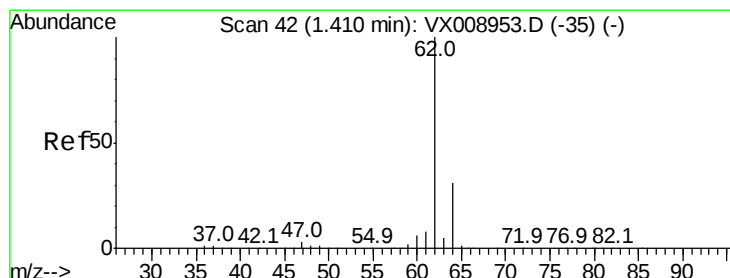
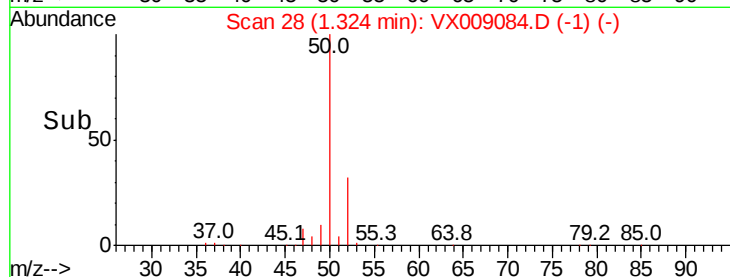


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#4

Vinyl Chloride

Concen: 48.634 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009084.D

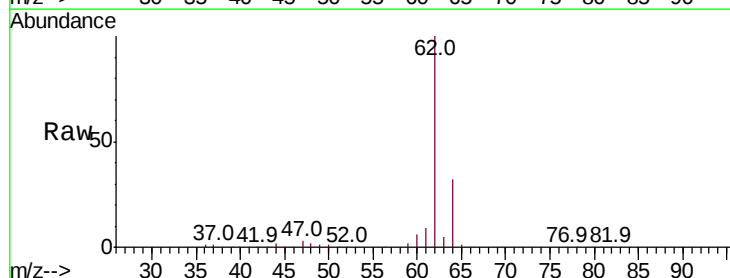
Acq: 22 Apr 2019 09:51

Tgt Ion: 62 Resp: 155872

Ion Ratio Lower Upper

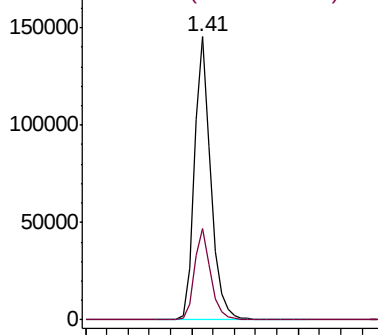
62 100

64 32.1 25.0 37.4

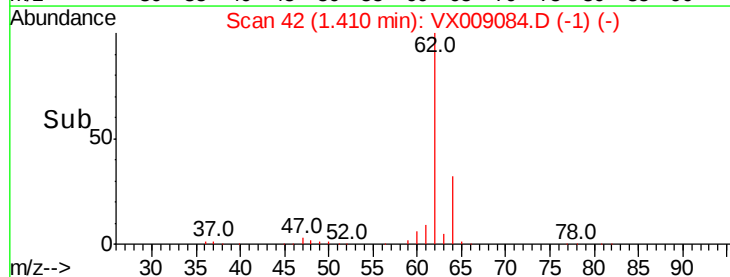


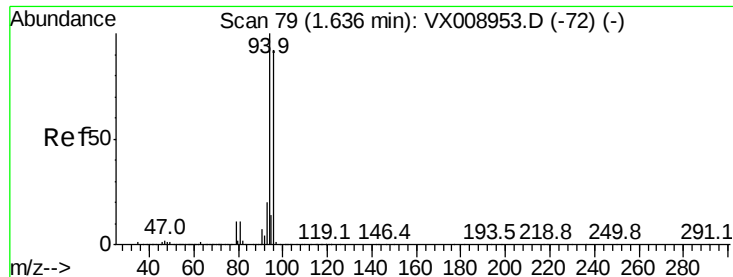
Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->





#5

Bromomethane

Concen: 40.590 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 79889

Ion Ratio Lower Upper

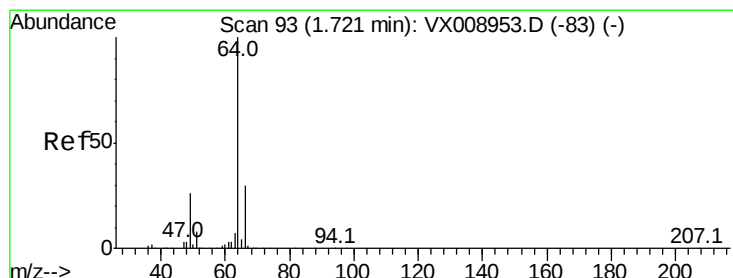
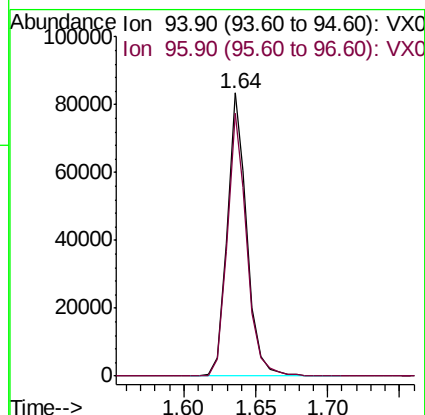
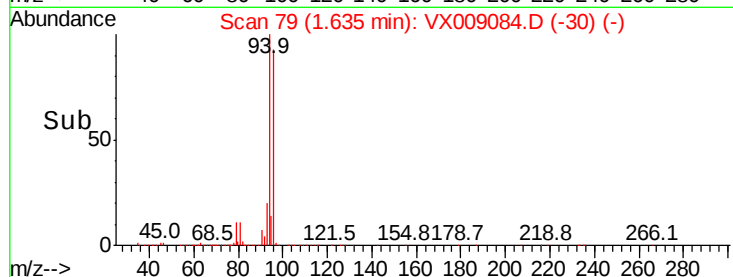
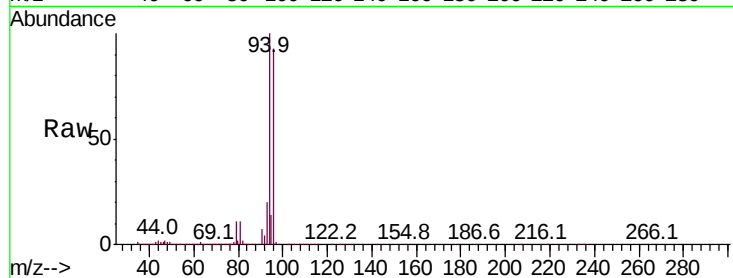
94 100

96 93.0 73.9 110.9

Manual Integrations
APPROVED

MMDadoda

4/23/2019 10:30:42 AM



#6

Chloroethane

Concen: 48.204 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009084.D

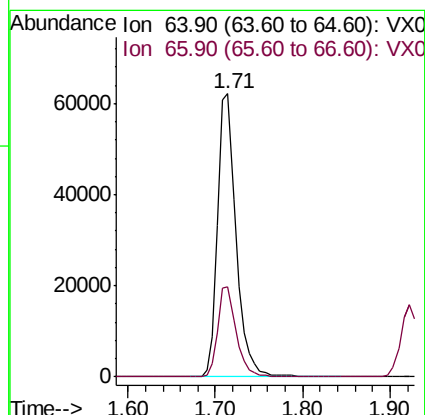
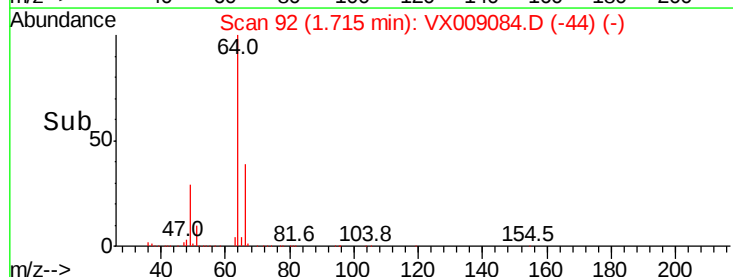
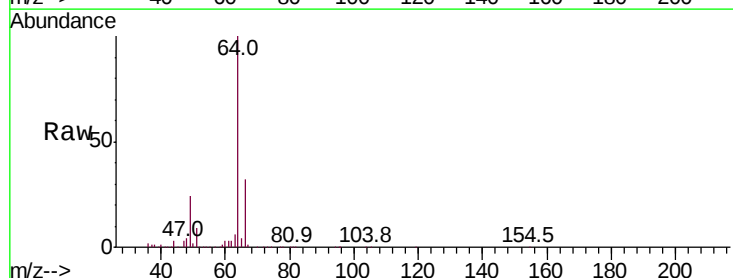
Acq: 22 Apr 2019 09:51

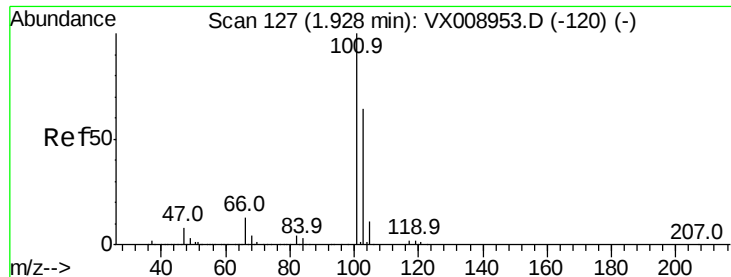
Tgt Ion: 64 Resp: 90848

Ion Ratio Lower Upper

64 100

66 31.8 24.2 36.2





#7

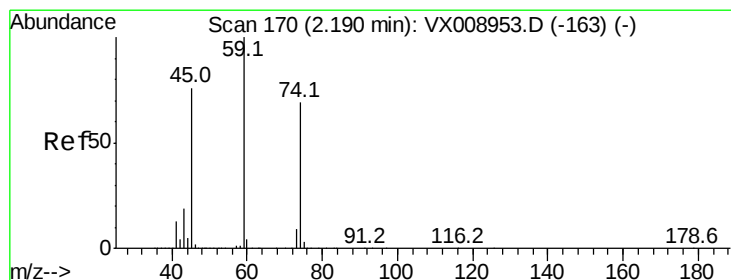
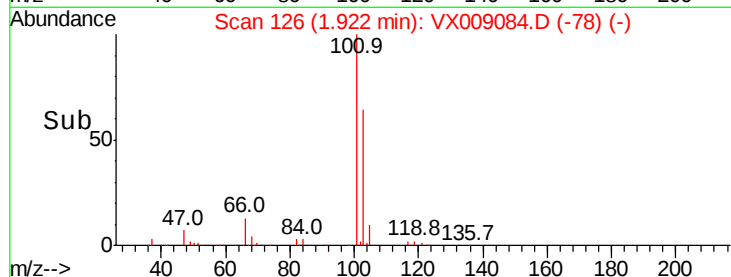
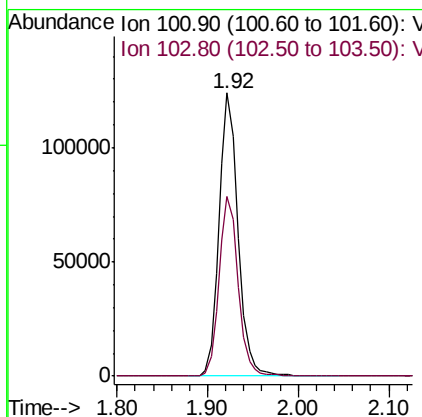
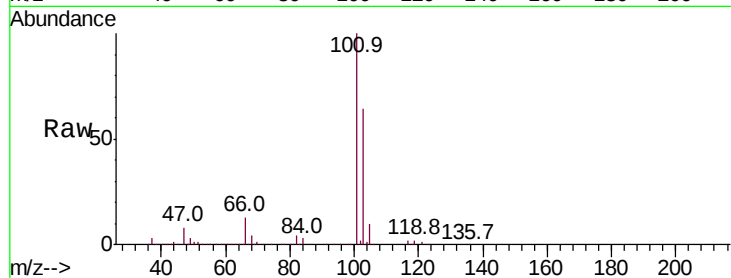
Trichlorofluoromethane
 Concen: 48.368 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	180992		
103	63.7	51.0	76.6	

Manual Integrations
 APPROVED

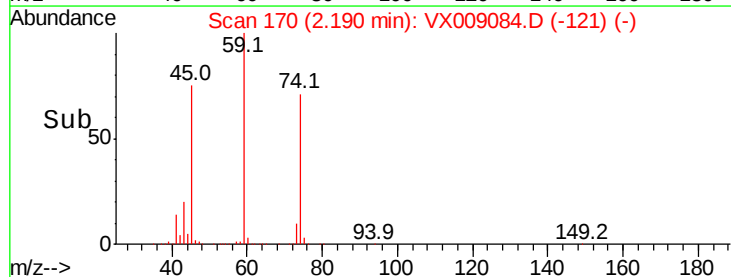
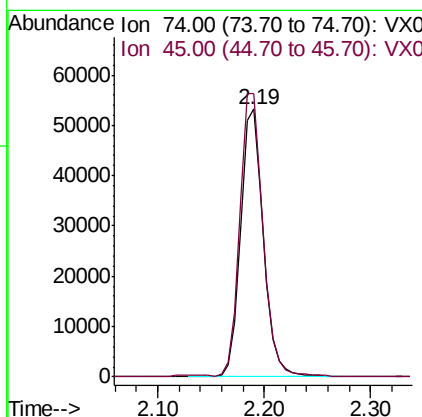
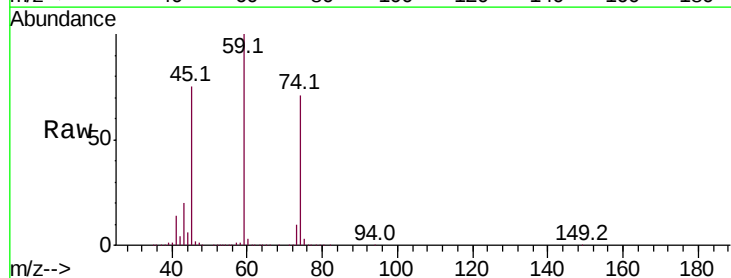
MMDadoda
 4/23/2019 10:30:42 AM

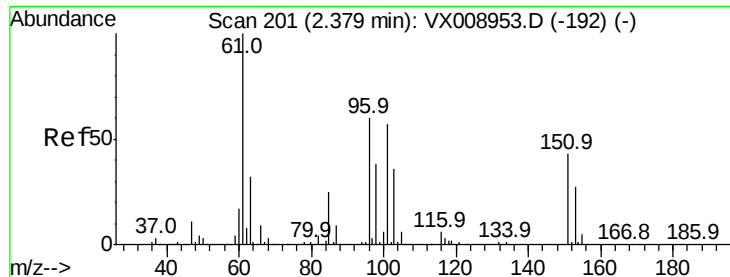


#8

Diethyl Ether
 Concen: 46.782 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80059		
45	106.9	54.9	164.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.373 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

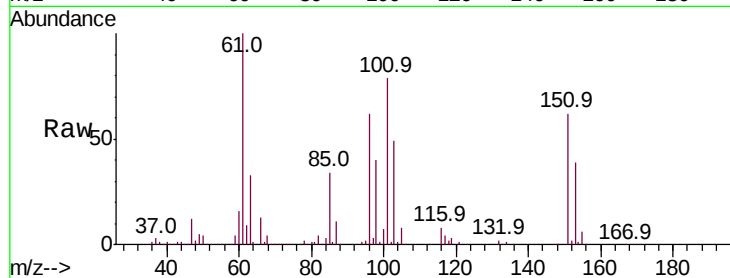
ClientSampleId :

VSTDCCC050

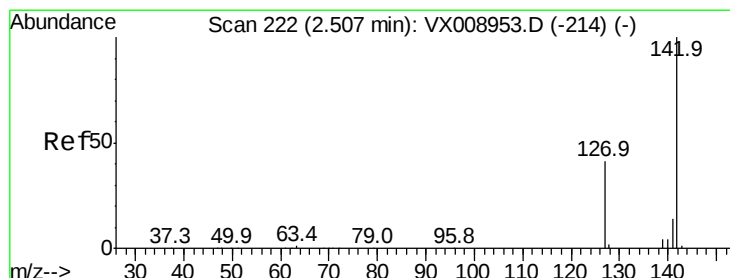
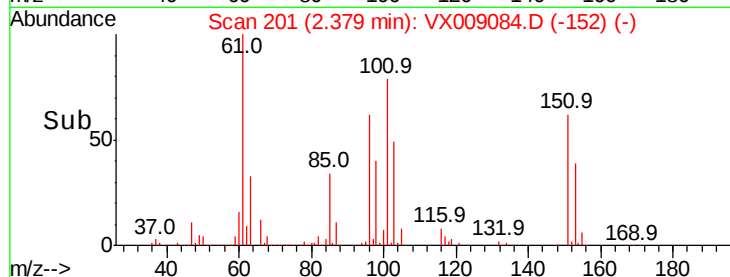
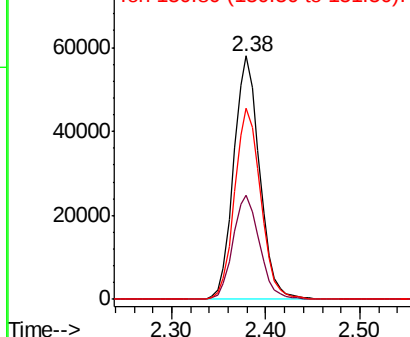
Tot Ion:	101	Resp:	110949
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.7	53.5
151	79.4	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.363 ug/l

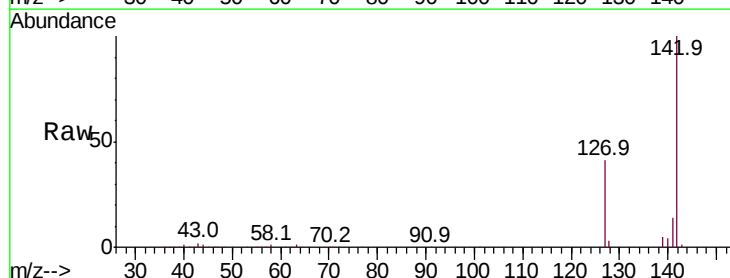
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

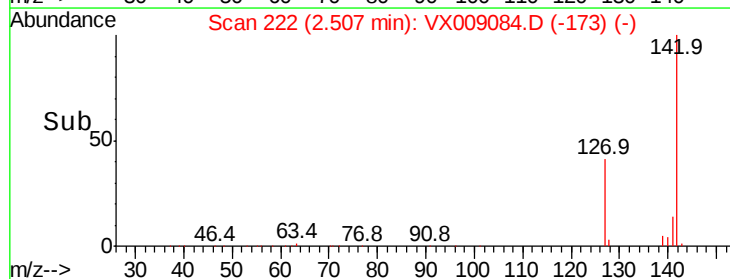
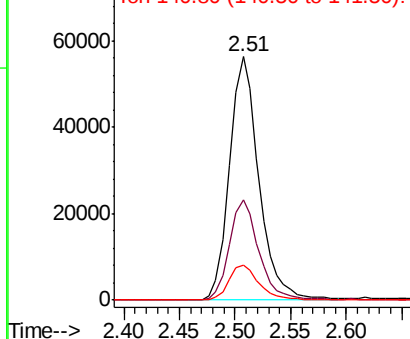
Lab File: VX009084.D

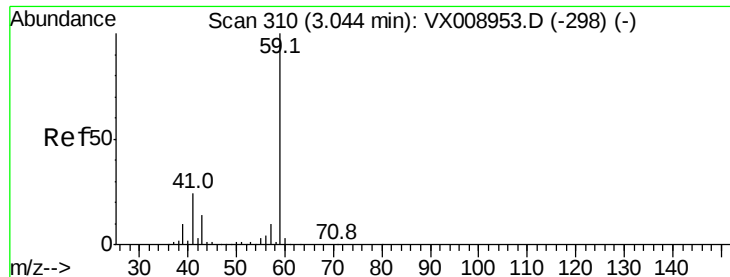
Acq: 22 Apr 2019 09:51

Tgt Ion:	142	Resp:	103145
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.8	49.2
141	14.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





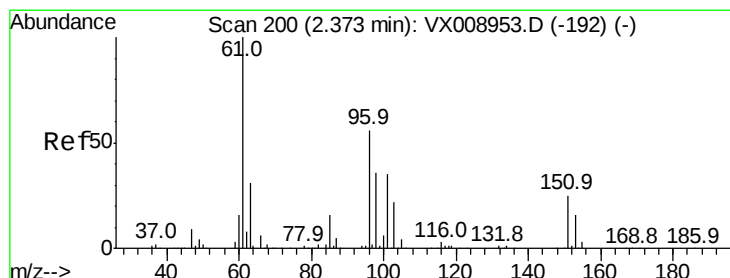
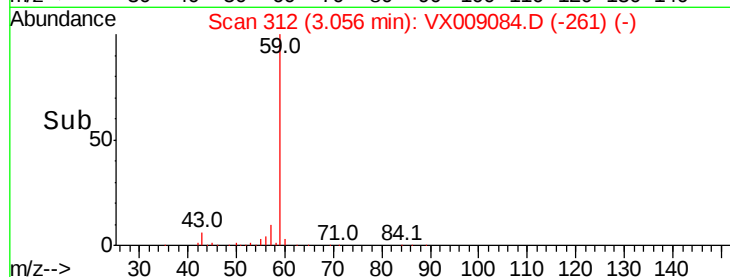
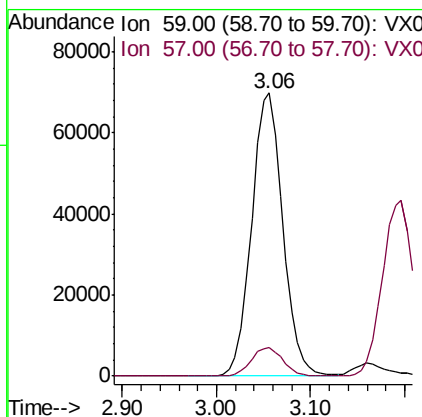
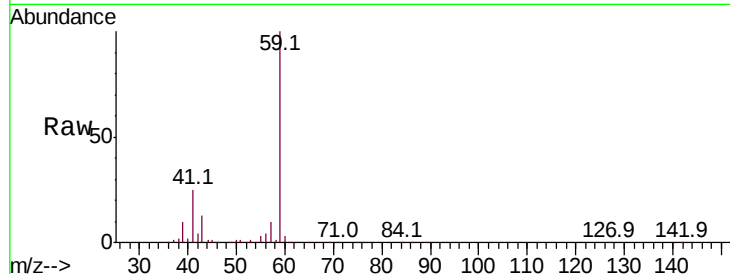
#11
Tert butyl alcohol
Concen: 221.924 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 161665
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

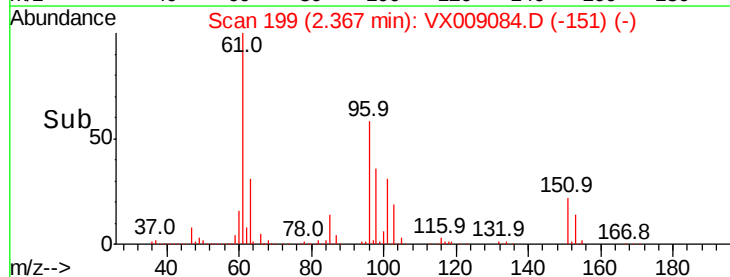
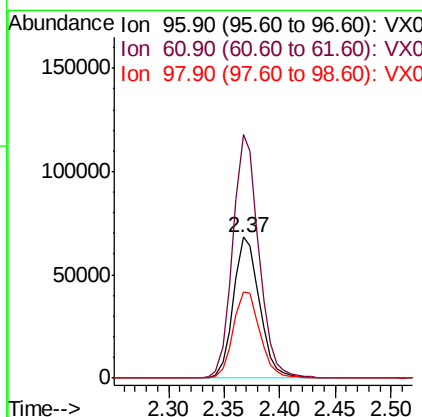
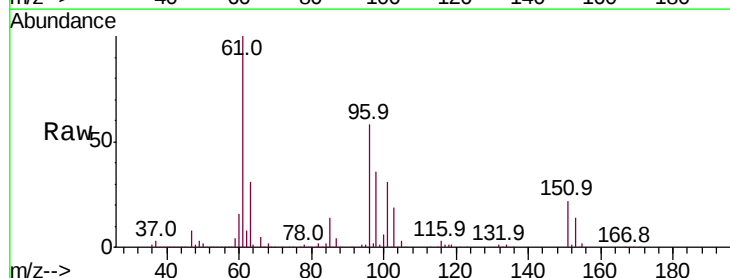
Manual Integrations
APPROVED

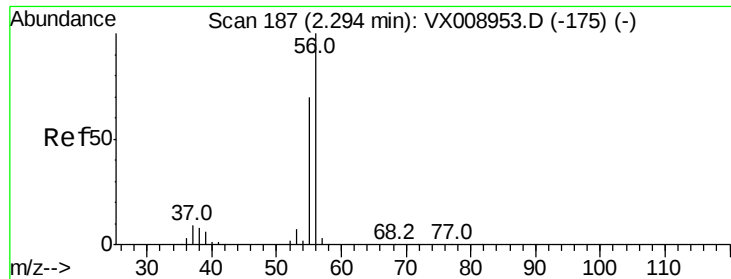
MMDadoda
4/23/2019 10:30:42 AM



#12
1,1-Dichloroethene
Concen: 44.494 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion: 96 Resp: 111112
Ion Ratio Lower Upper
96 100
61 172.6 142.2 213.2
98 61.5 50.9 76.3





#13

Acrolein

Concen: 208.589 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 131292

Ion Ratio Lower Upper

56 100

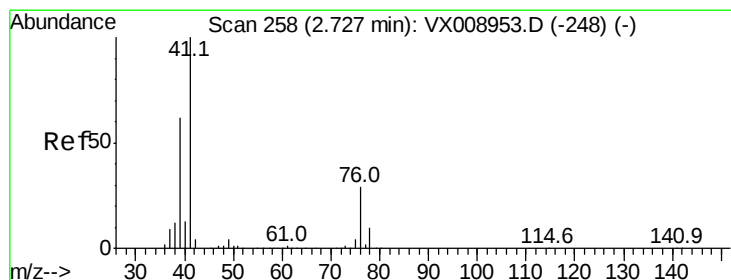
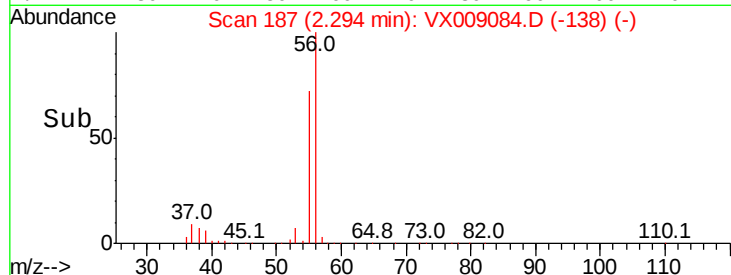
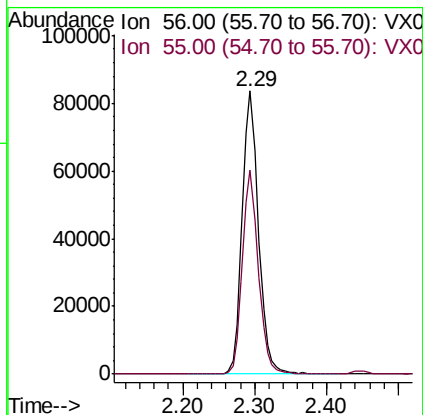
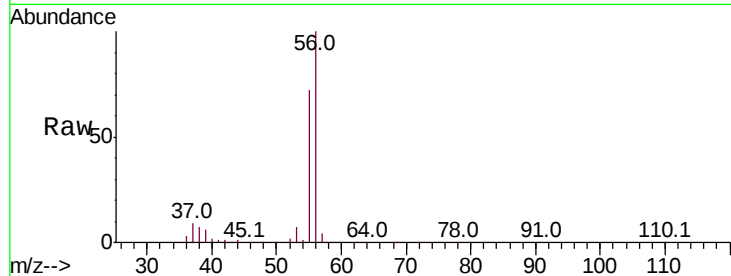
55 70.4 56.6 84.8

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:42 AM



#14

Allyl chloride

Concen: 48.981 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

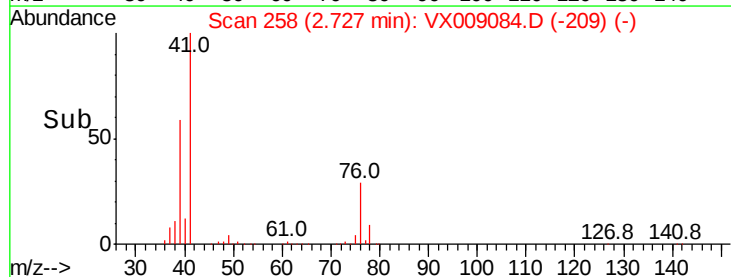
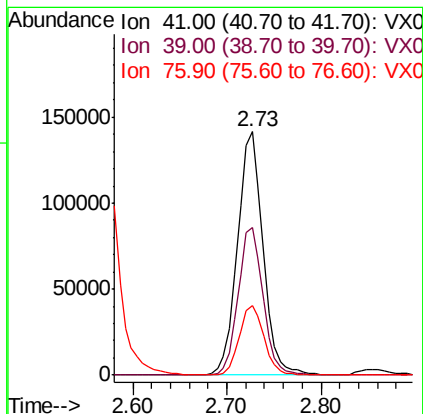
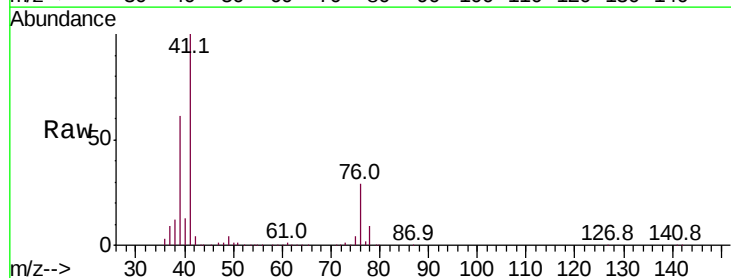
Tgt Ion: 41 Resp: 266862

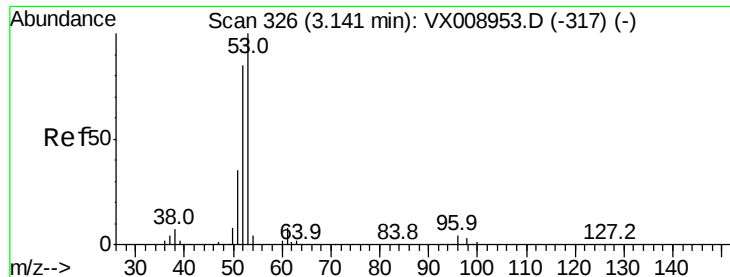
Ion Ratio Lower Upper

41 100

39 59.4 46.7 70.1

76 27.9 22.0 33.0





#15

Acrylonitrile

Concen: 229.434 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

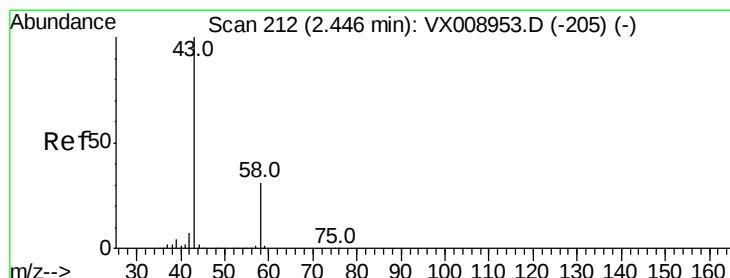
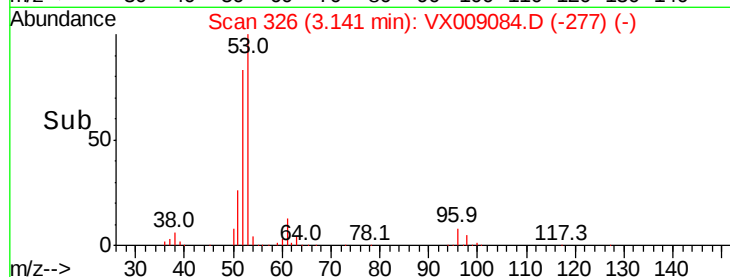
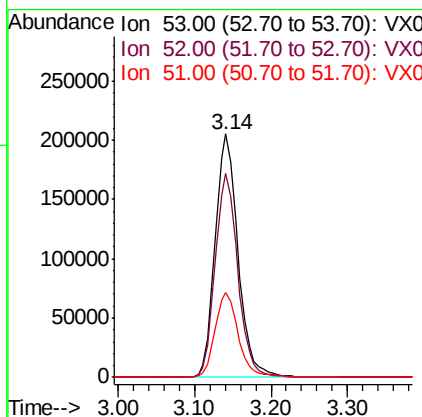
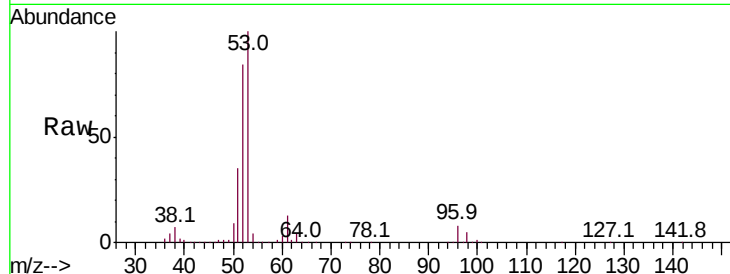
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	424272
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	100.0
51	35.5	28.3	42.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#16

Acetone

Concen: 259.424 ug/l

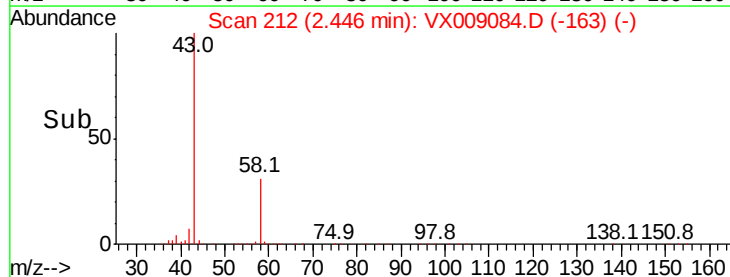
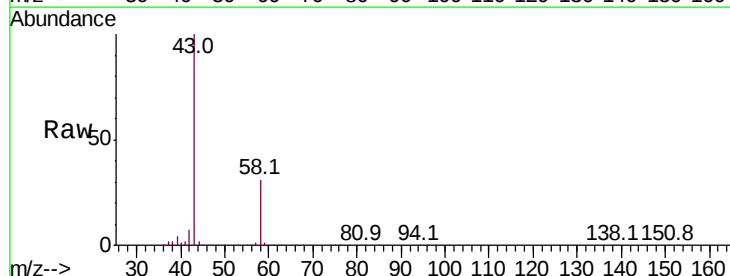
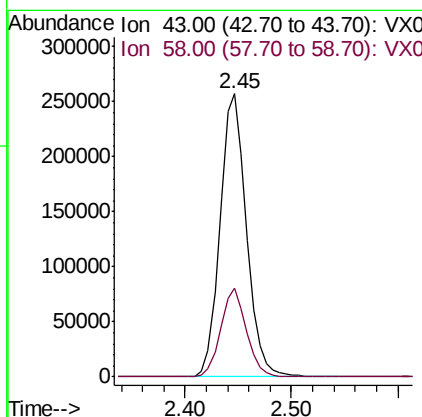
RT: 2.45 min Scan# 212

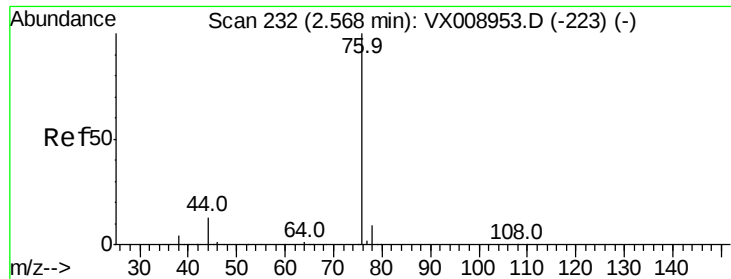
Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	43	Resp:	441504
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.8	37.2





#17

Carbon Disulfide

Concen: 49.046 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 359736

Ion Ratio Lower Upper

76 100

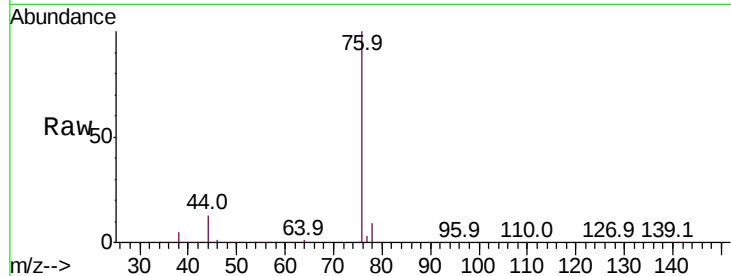
78 8.8 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

100000

50000

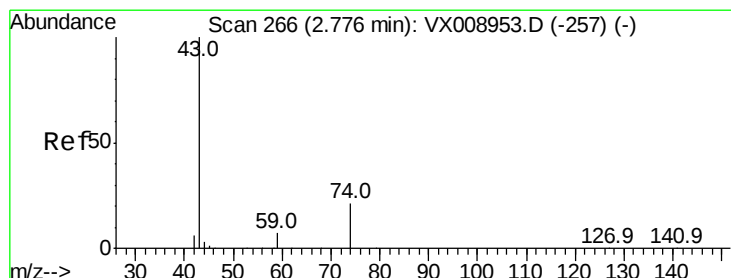
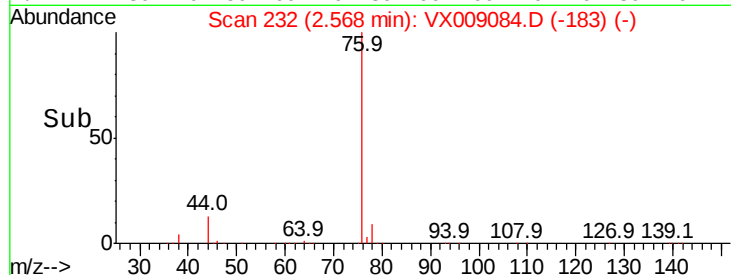
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 44.568 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX009084.D

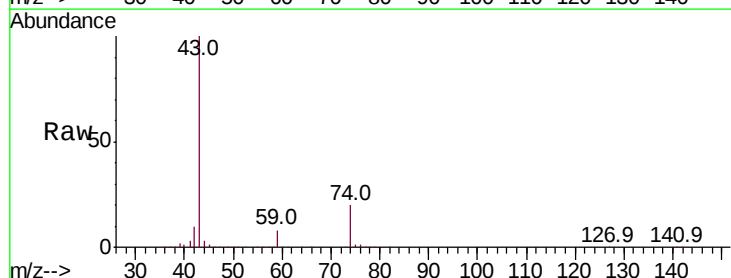
Acq: 22 Apr 2019 09:51

Tgt Ion: 43 Resp: 189300

Ion Ratio Lower Upper

43 100

74 20.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

60000

40000

20000

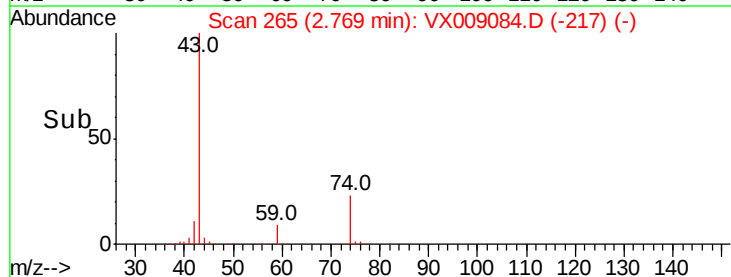
0

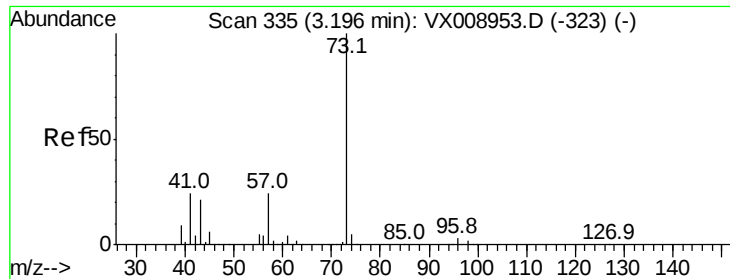
2.70

2.80

2.90

Time-->





#19

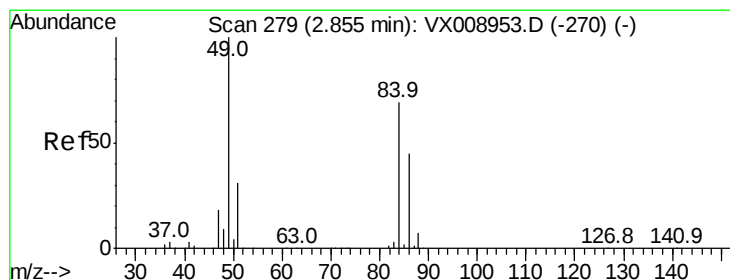
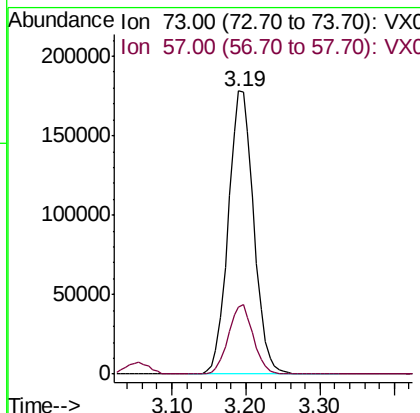
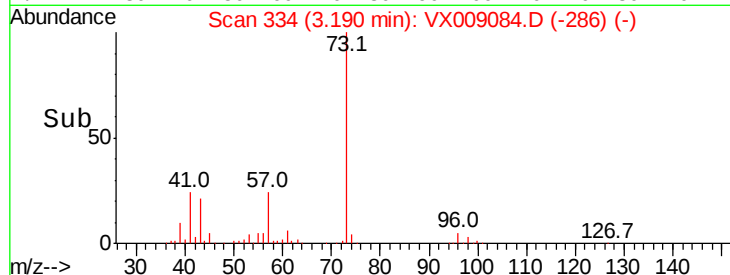
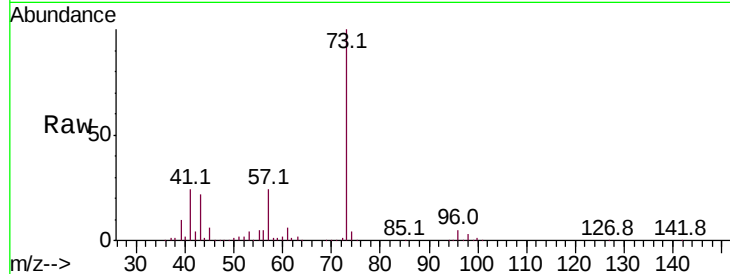
Methyl tert-butyl Ether
 Concen: 47.819 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.2	28.8

Manual Integrations
 APPROVED

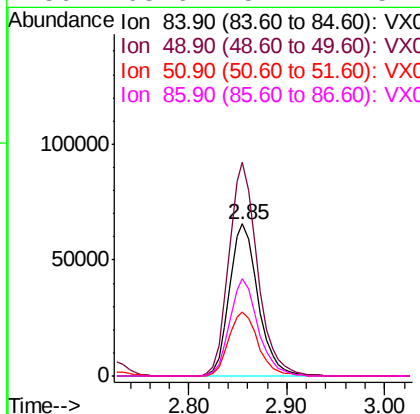
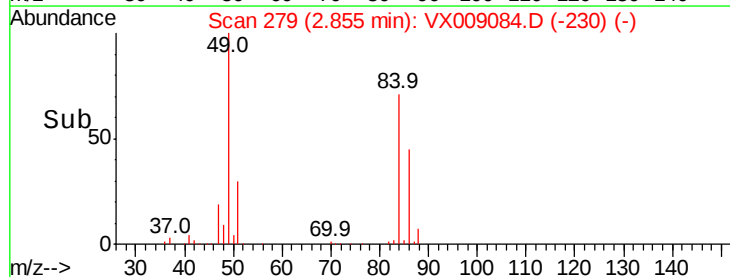
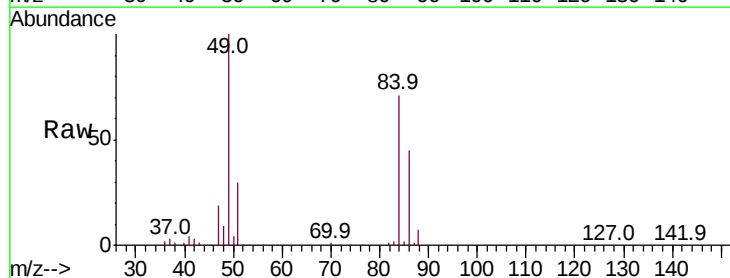
MMDadoda
 4/23/2019 10:30:42 AM

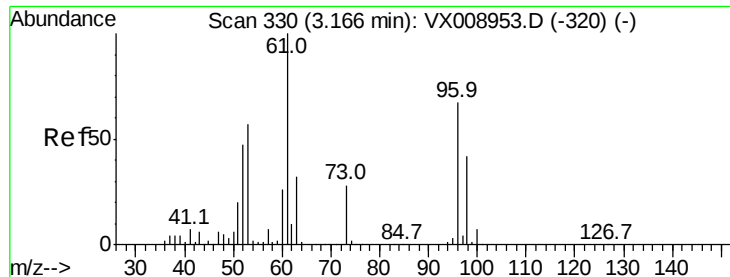


#20

Methylene Chloride
 Concen: 45.879 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.2	115.4	173.0
51	42.4	35.8	53.6
86	63.6	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 46.691 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

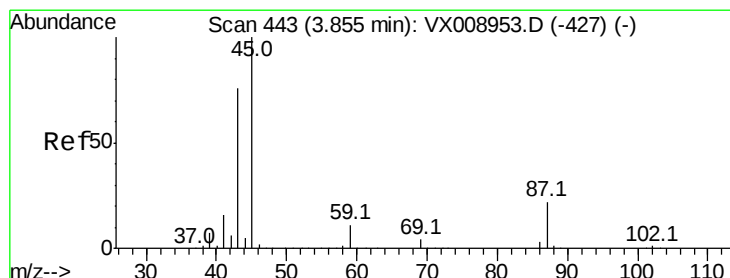
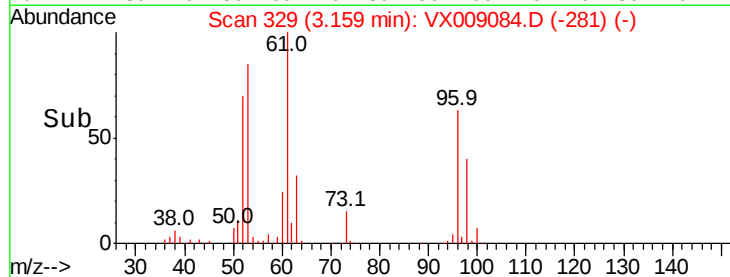
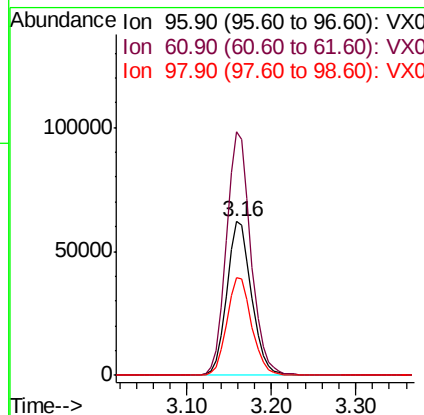
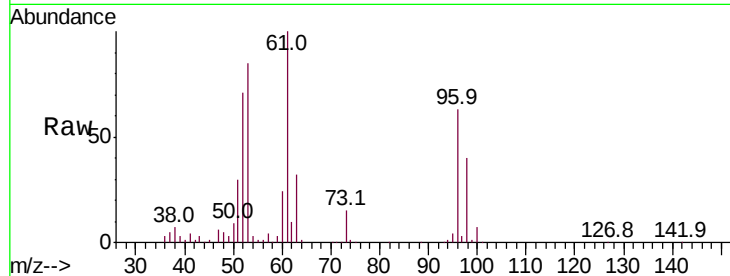
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	124367
Ion Ratio	Lower	Upper	
96	100		
61	158.5	120.3	180.5
98	63.3	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#22

Diisopropyl ether

Concen: 48.683 ug/l

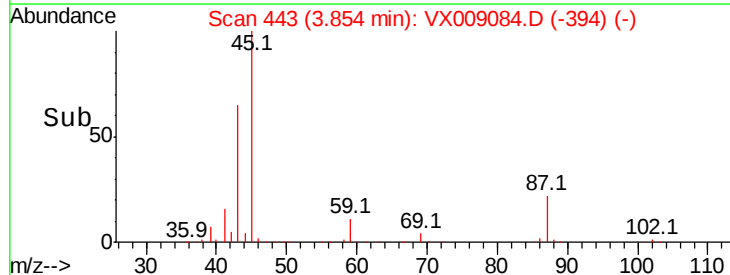
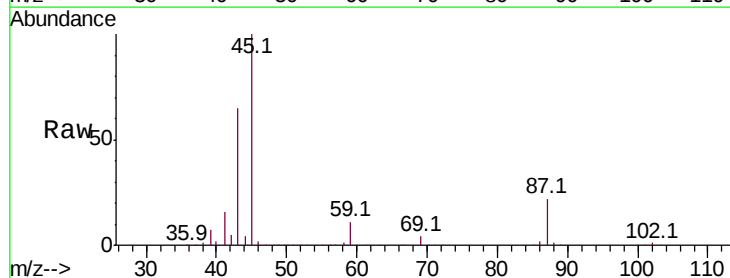
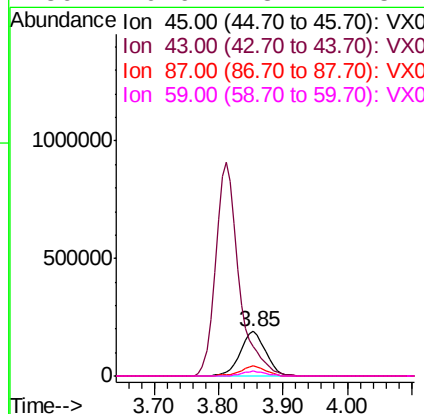
RT: 3.85 min Scan# 443

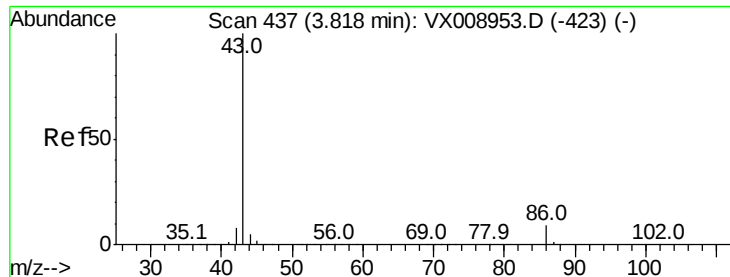
Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	45	Resp:	515400
Ion Ratio	Lower	Upper	
45	100		
43	64.9	60.6	91.0
87	22.2	17.8	26.8
59	10.6	8.7	13.1





#23

Vinyl Acetate

Concen: 248.060 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2308525

Ion Ratio Lower Upper

43 100

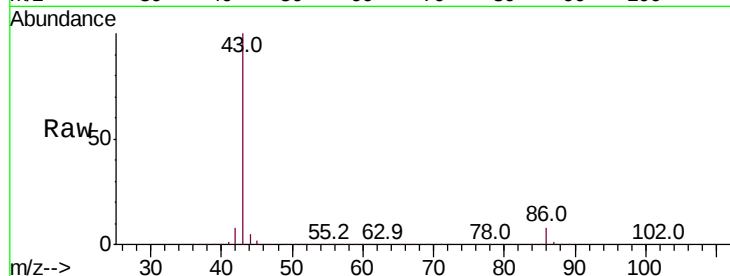
86 8.5 7.1 10.7

Manual Integrations

APPROVED

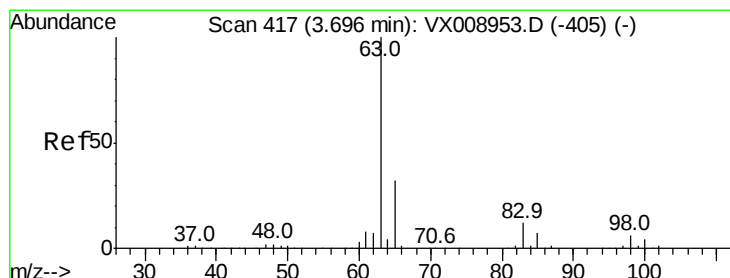
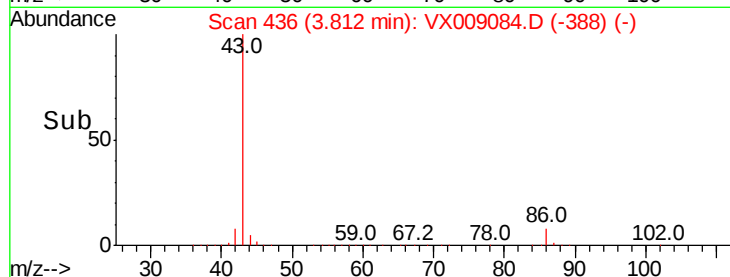
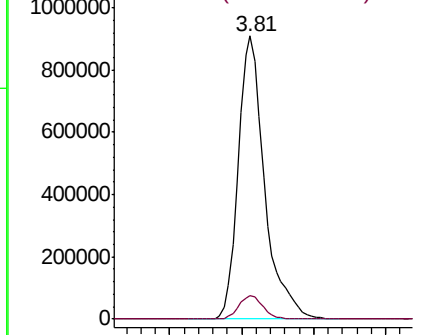
MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 47.647 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

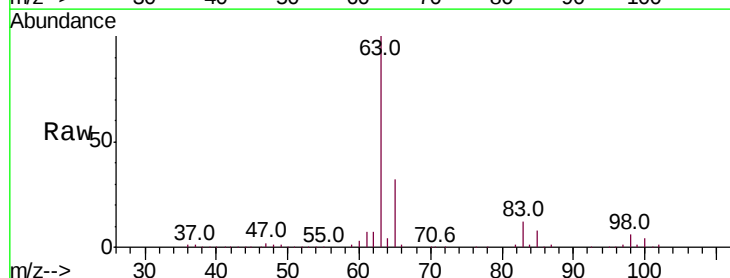
Tgt Ion: 63 Resp: 253219

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

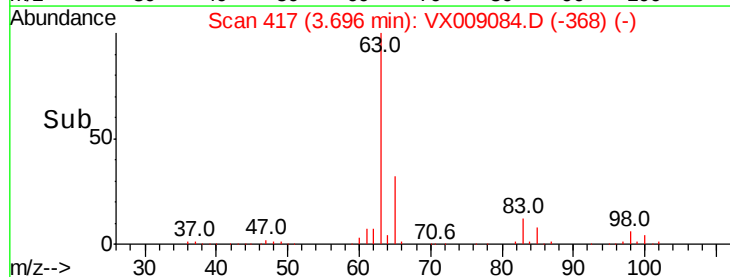
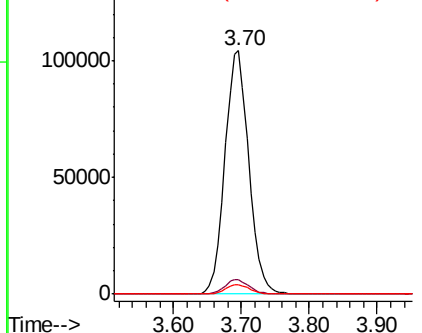
100 3.8 1.9 5.7

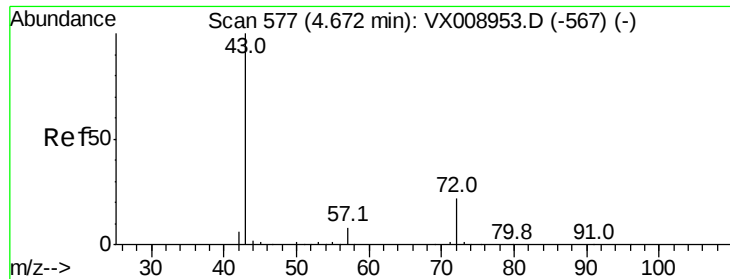


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 246.302 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 670019

Ion Ratio Lower Upper

43 100

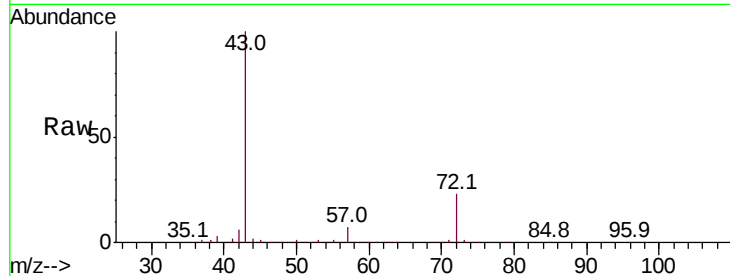
72 22.6 17.5 26.3

Manual Integrations

APPROVED

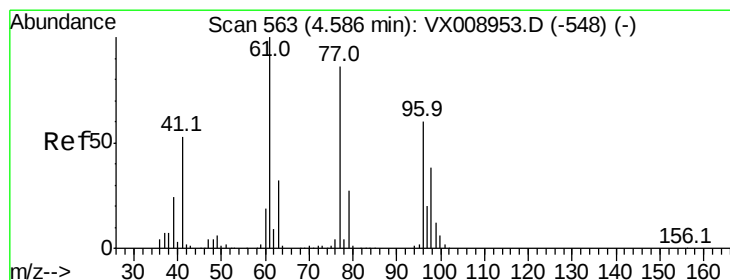
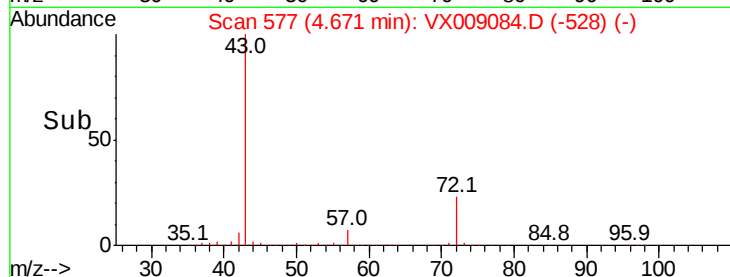
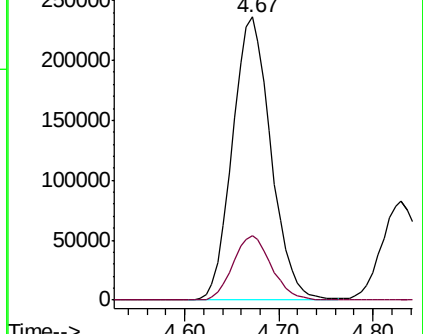
MMDadoda

4/23/2019 10:30:42 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: 49.061 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX009084.D

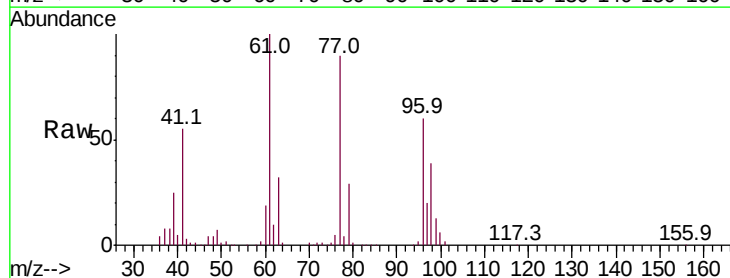
Acq: 22 Apr 2019 09:51

Tgt Ion: 77 Resp: 195441

Ion Ratio Lower Upper

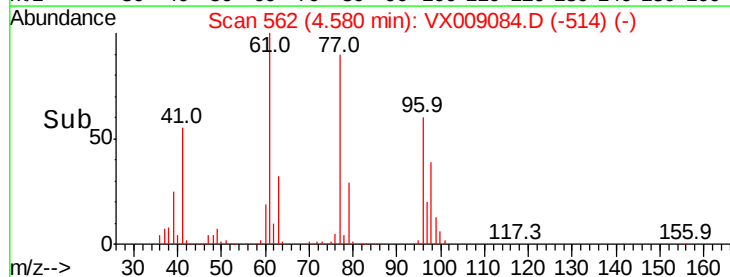
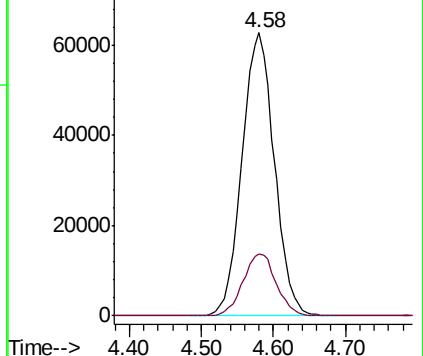
77 100

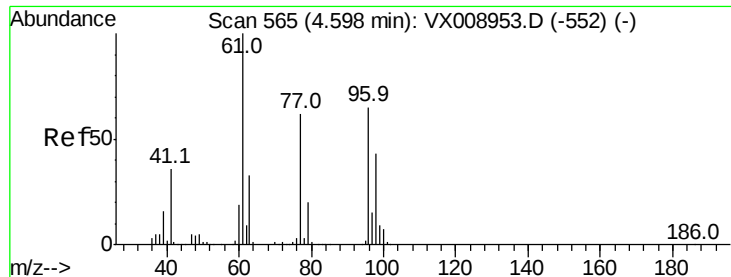
97 22.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

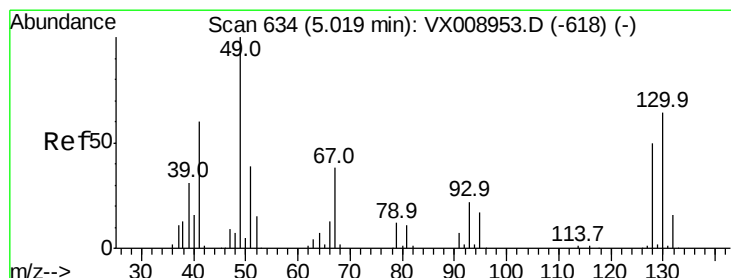
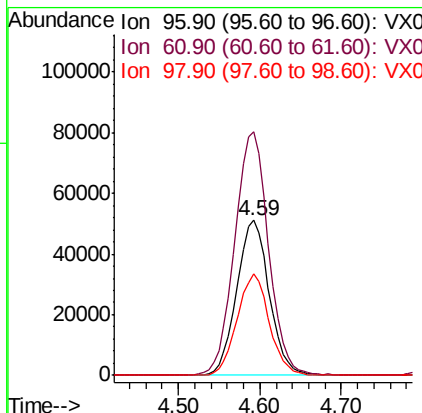
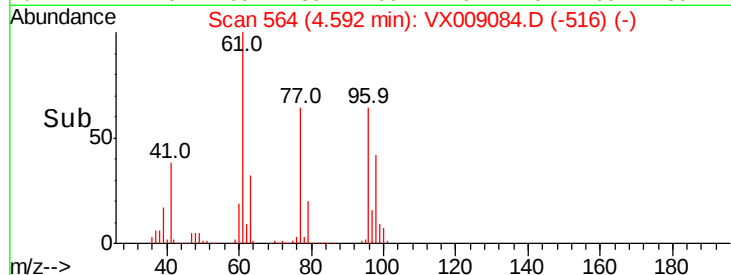
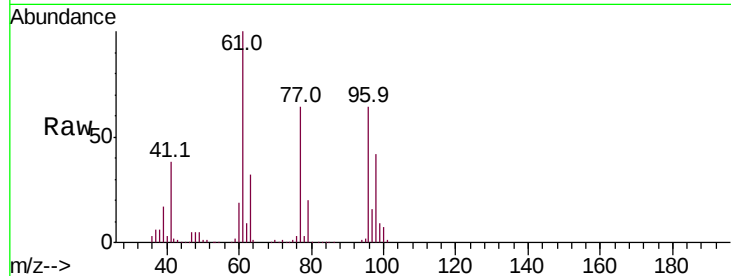
cis-1,2-Dichloroethene
Concen: 46.785 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141486		
61	163.4	0.0	322.0	
98	64.9	0.0	128.4	

Manual Integrations
APPROVED

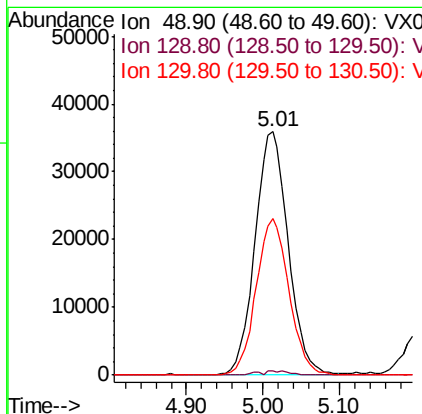
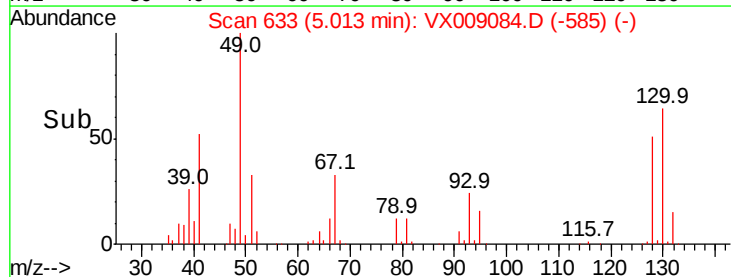
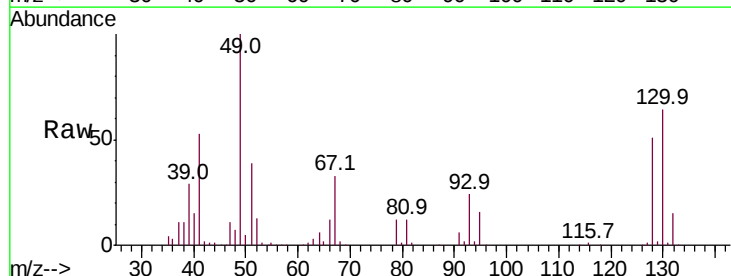
MMDadoda
4/23/2019 10:30:42 AM

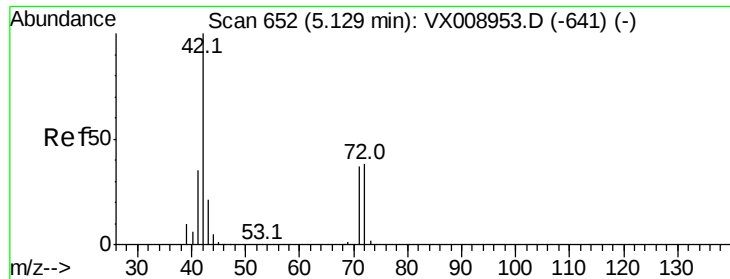


#28

Bromochloromethane
Concen: 49.284 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	108852		
129	1.1	0.0	3.6	
130	63.6	50.4	75.6	





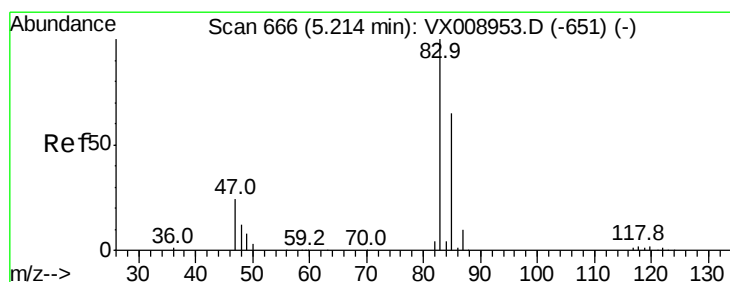
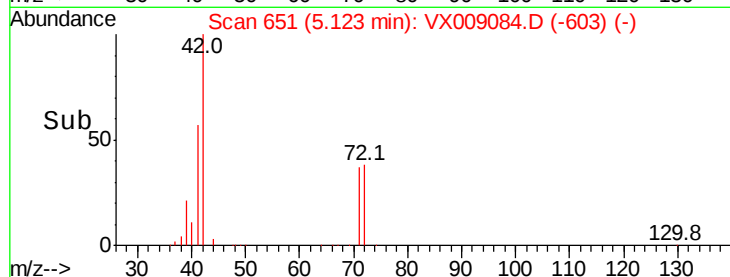
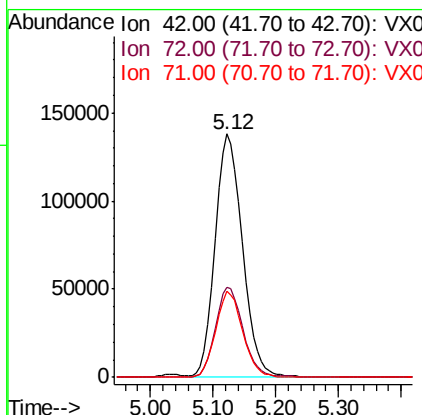
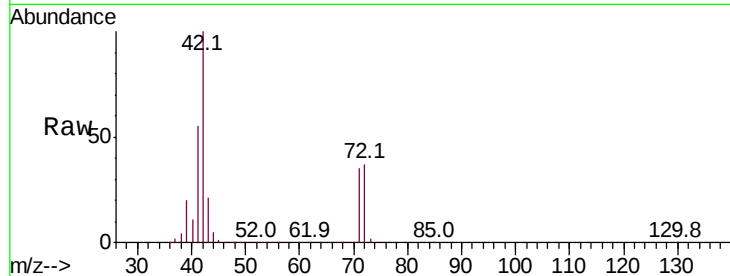
#29
Tetrahydrofuran
Concen: 228.170 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.6	45.8
71	35.0	28.8	43.2

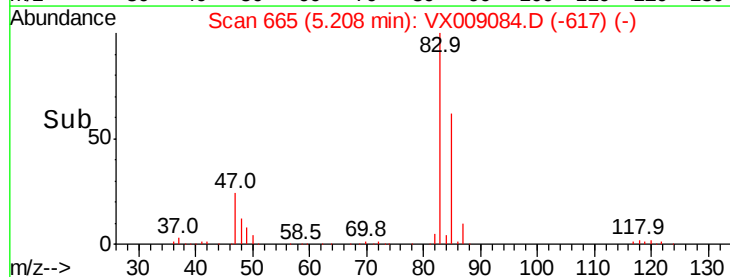
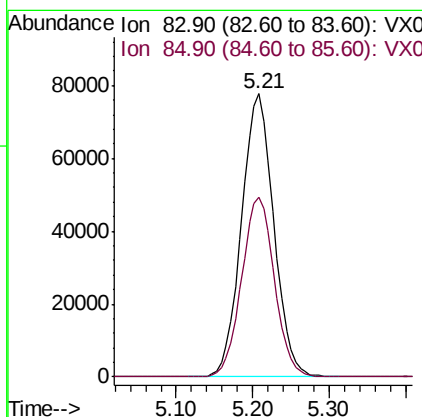
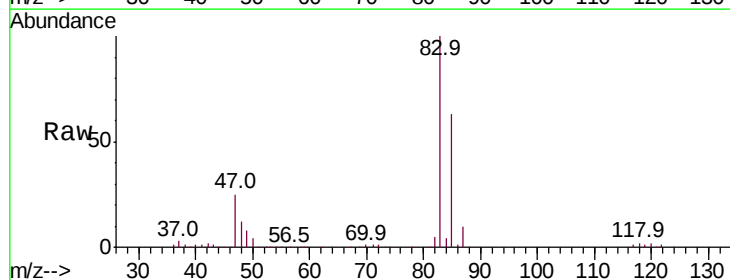
Manual Integrations
APPROVED

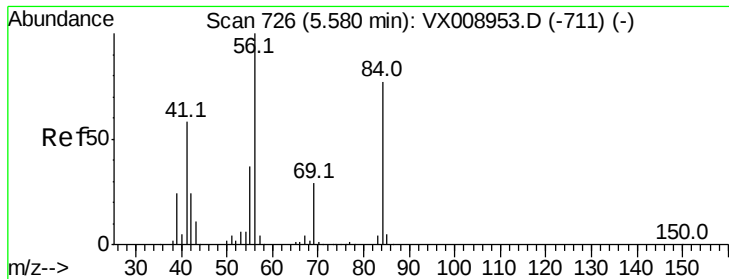
MMDadoda
4/23/2019 10:30:42 AM



#30
Chloroform
Concen: 47.982 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.9	77.9





#31

Cyclohexane

Concen: 50.077 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

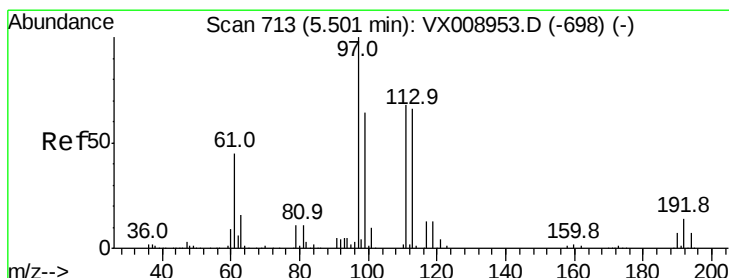
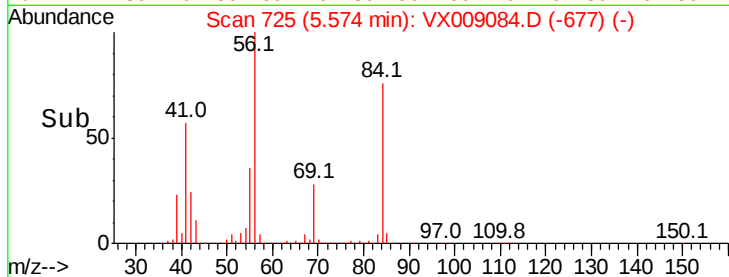
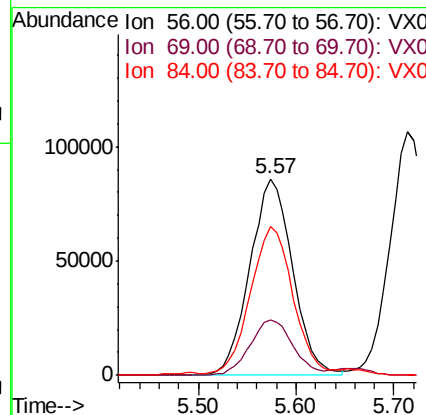
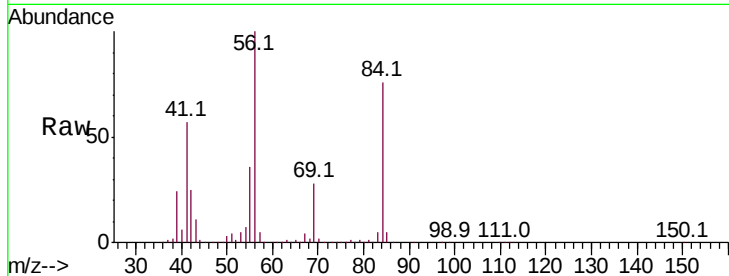
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	261753
Ion Ratio	Lower	Upper	
56	100		
69	28.4	23.3	34.9
84	74.6	61.7	92.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#32

1,1,1-Trichloroethane

Concen: 48.609 ug/l

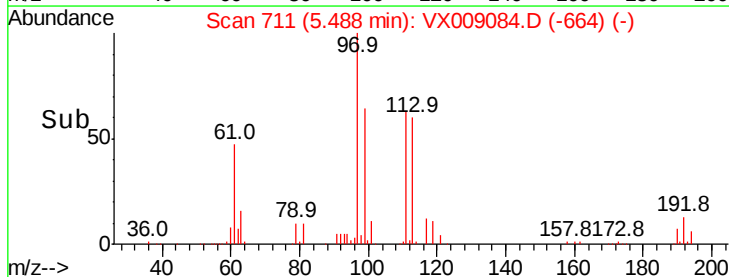
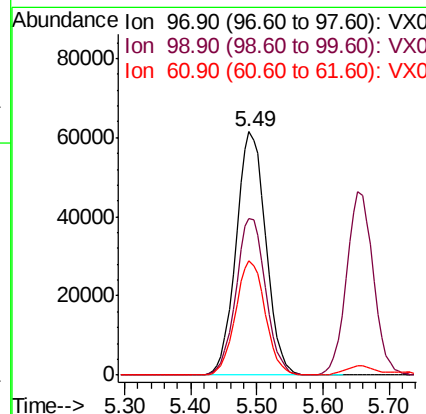
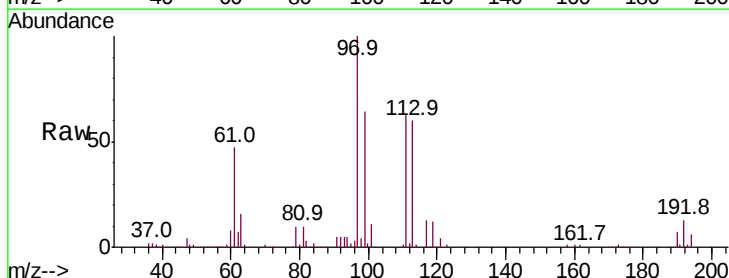
RT: 5.49 min Scan# 711

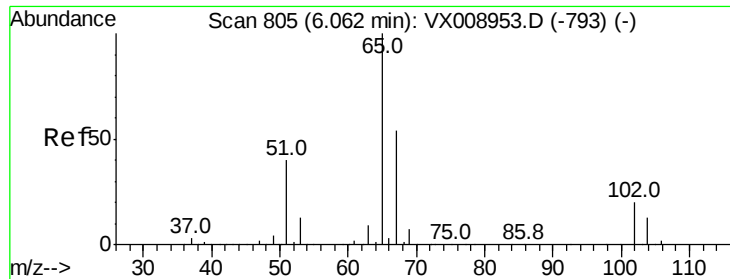
Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	97	Resp:	191592
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.6	77.4
61	46.9	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 45.488 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009084.D

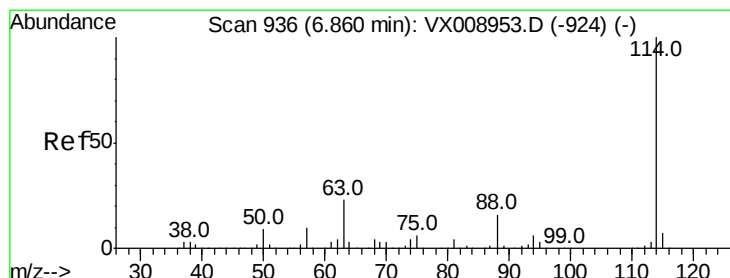
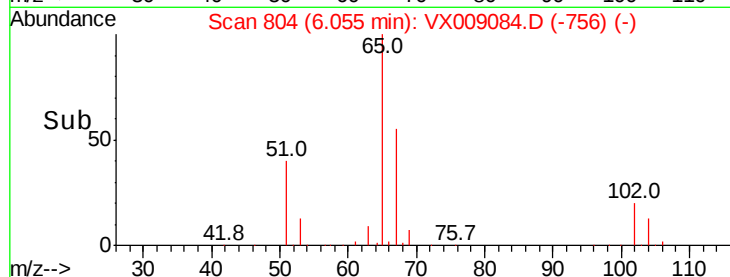
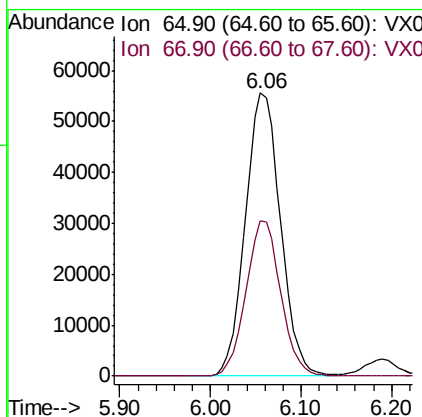
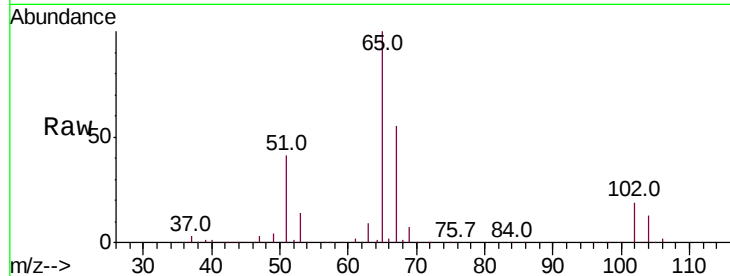
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	108.6

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

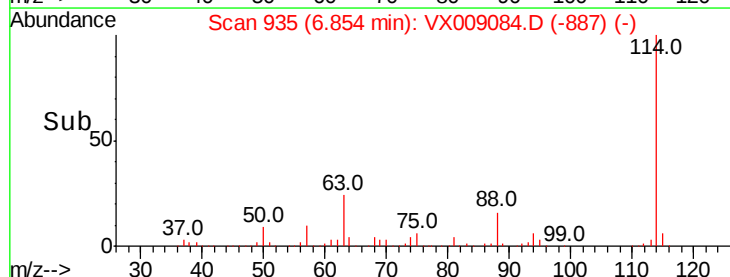
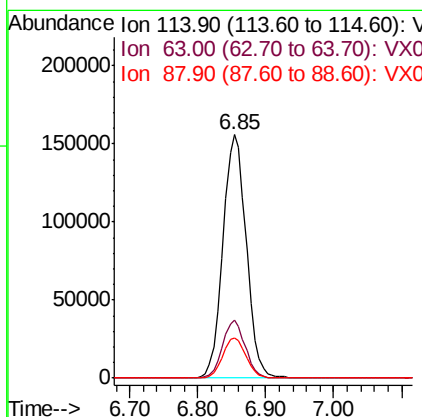
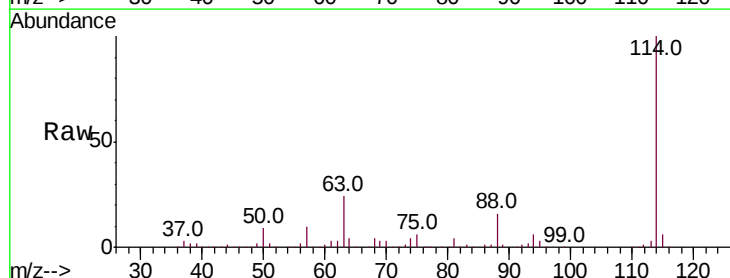
RT: 6.85 min Scan# 935

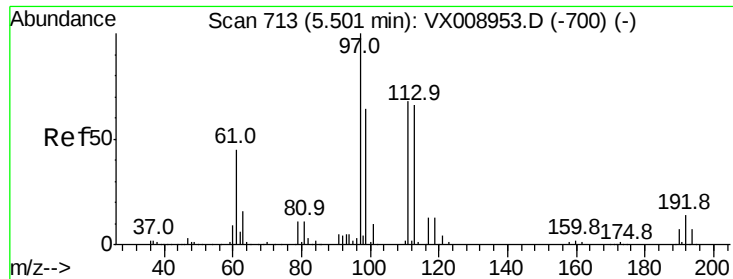
Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	46.0
88	16.4	0.0	32.6





#35

Dibromofluoromethane

Concen: 46.659 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

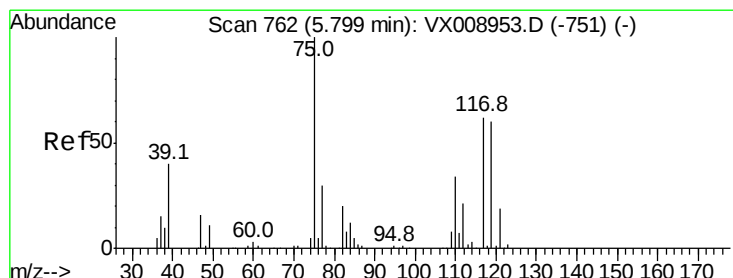
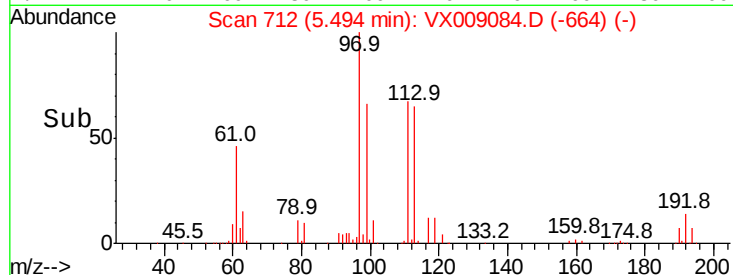
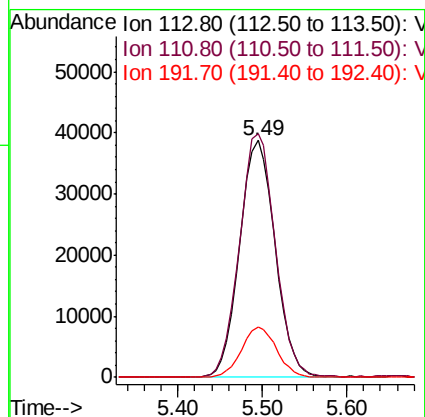
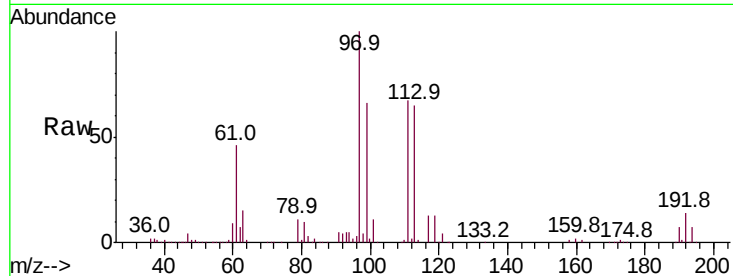
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	110893
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	21.0	17.4	26.0

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#36

1,1-Dichloropropene

Concen: 48.485 ug/l

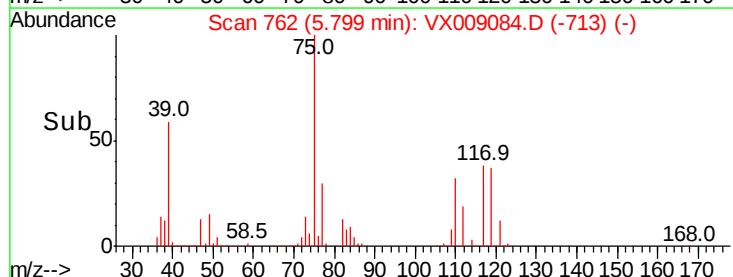
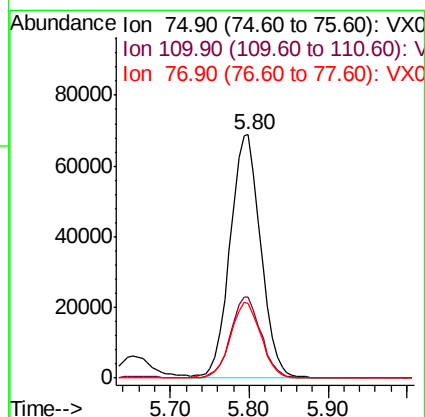
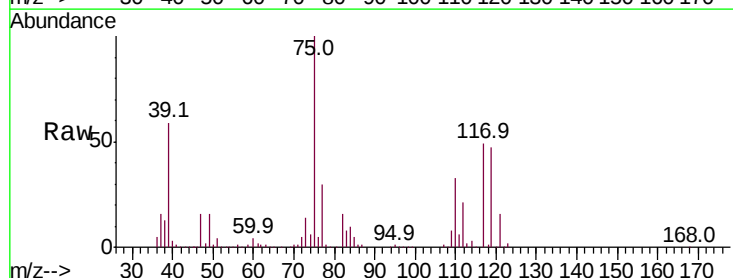
RT: 5.80 min Scan# 762

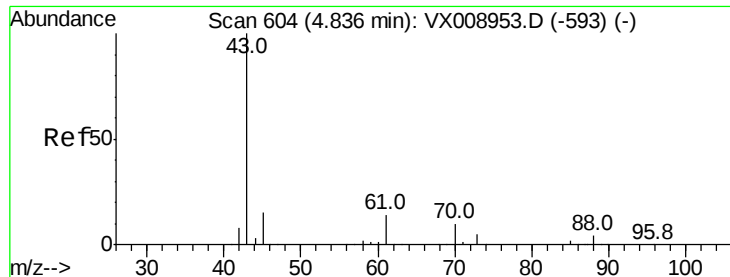
Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	75	Resp:	185696
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.9	50.7
77	30.6	25.0	37.4





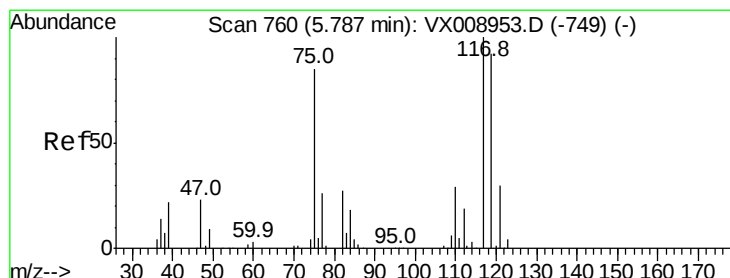
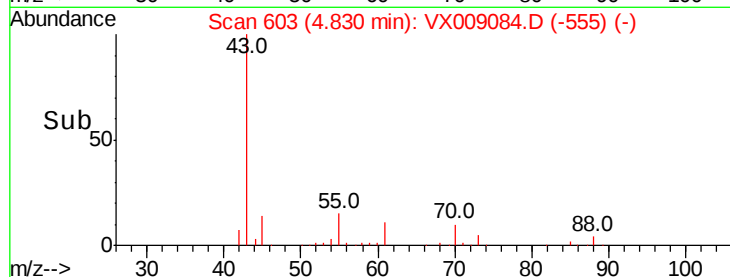
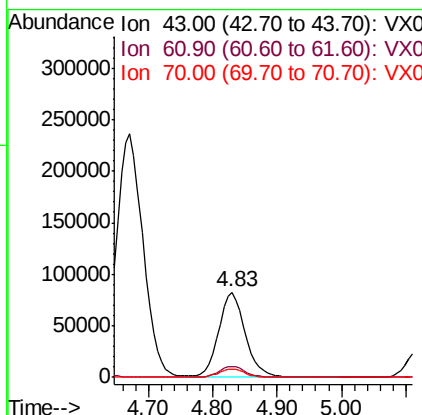
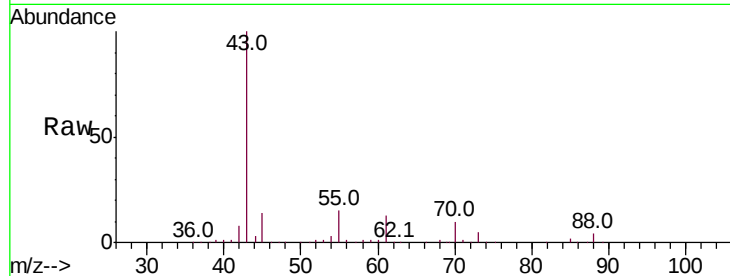
#37
Ethyl Acetate
Concen: 48.583 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.6	15.8
70	9.6	7.7	11.5

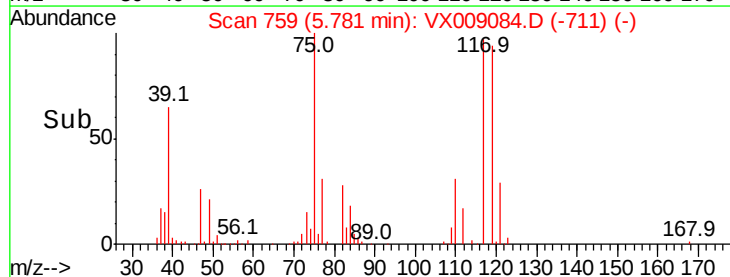
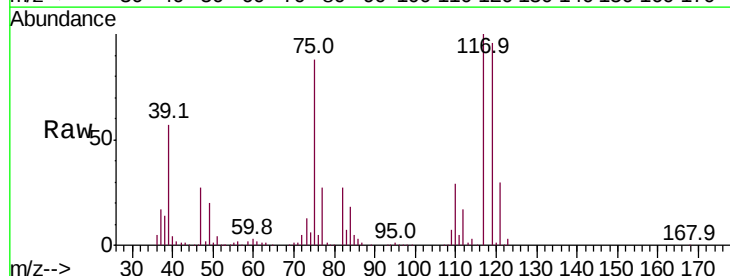
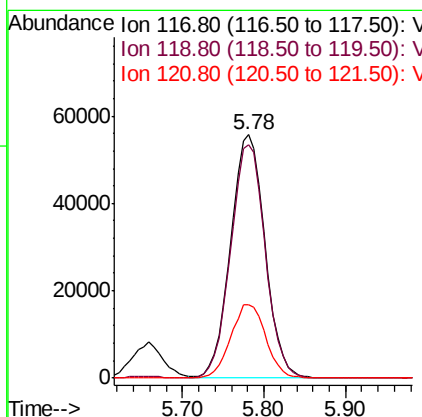
Manual Integrations
APPROVED

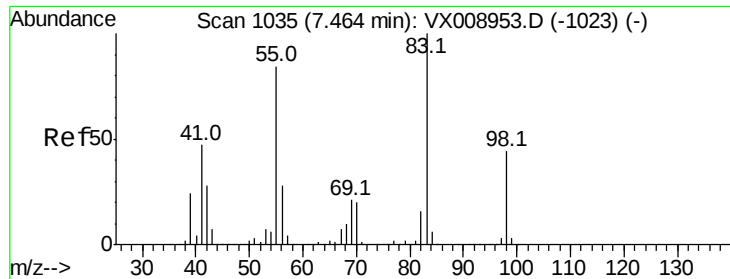
MMDadoda
4/23/2019 10:30:42 AM



#38
Carbon Tetrachloride
Concen: 50.053 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	73.8	110.8
121	30.3	23.6	35.4





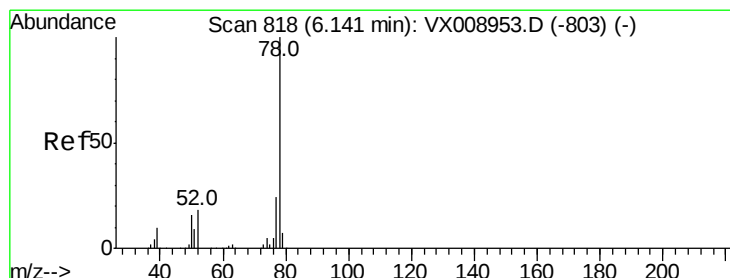
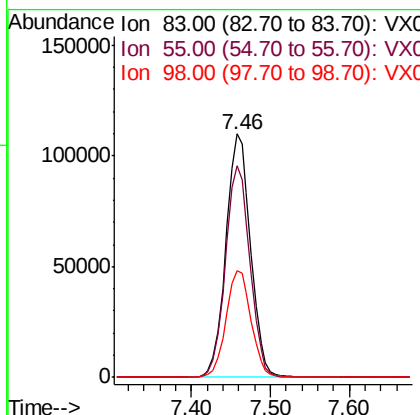
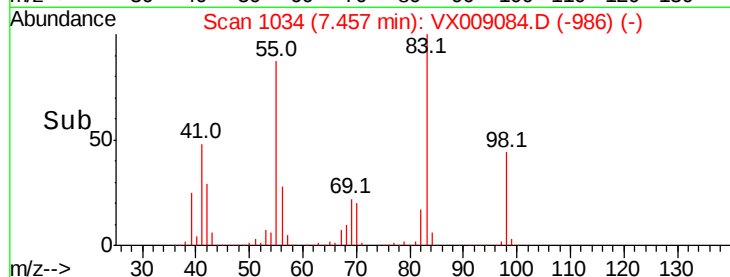
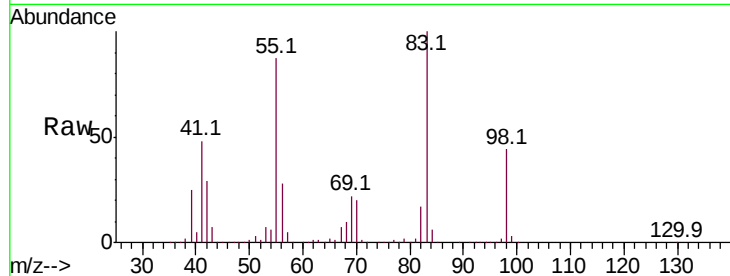
#39
Methvlcvclohexane
Concen: 50.976 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	67.1	100.7
98	43.8	35.1	52.7

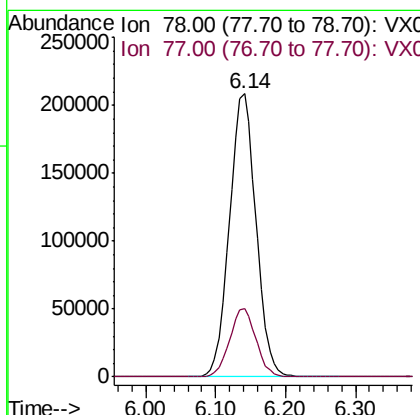
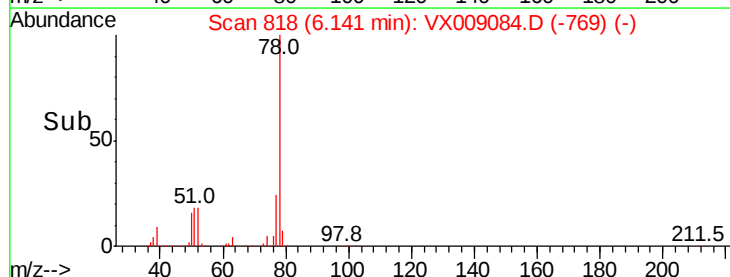
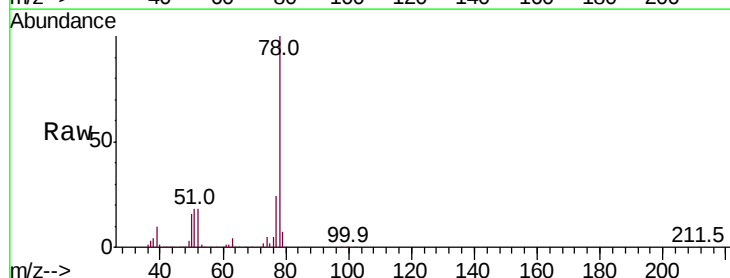
Manual Integrations
APPROVED

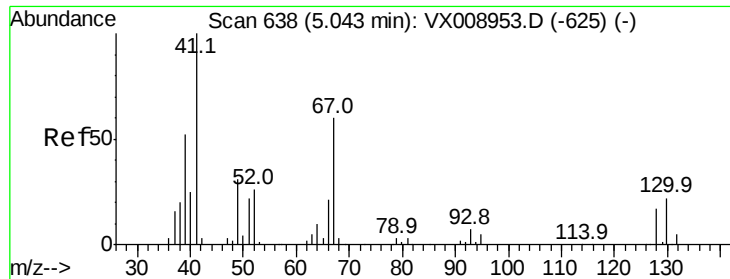
MMDadoda
4/23/2019 10:30:42 AM



#40
Benzene
Concen: 48.711 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





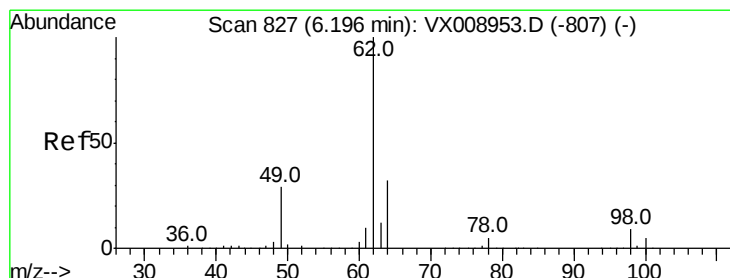
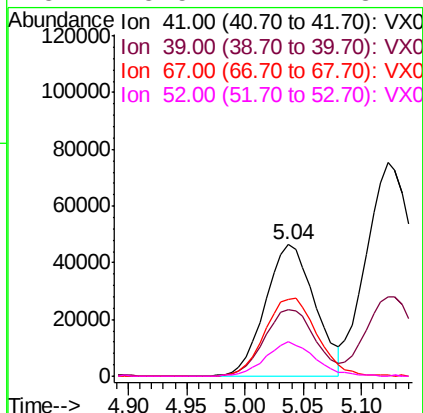
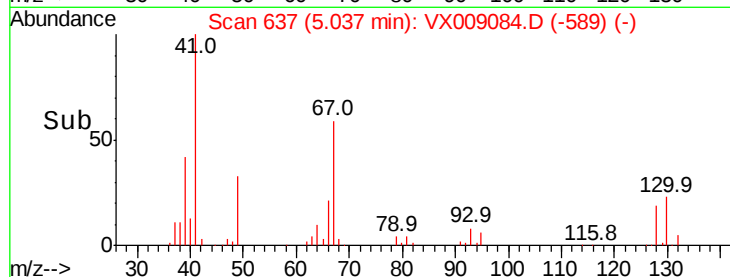
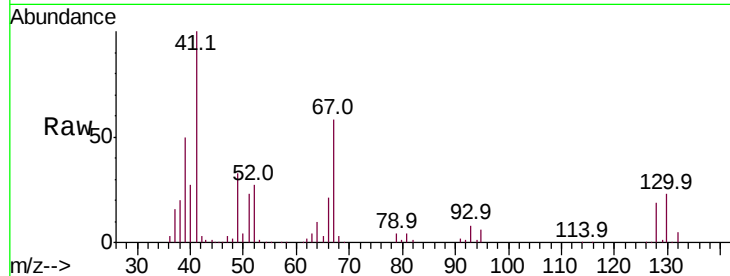
#41
Methacrylonitrile
Concen: 48.225 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	41.8	62.6
67	63.0	50.2	75.4
52	25.5	21.1	31.7

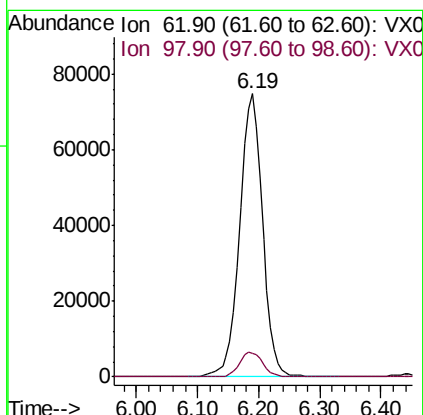
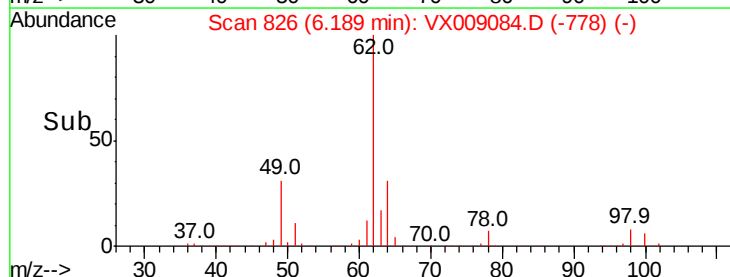
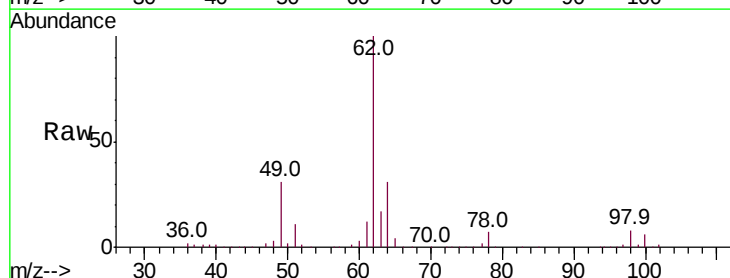
Manual Integrations
APPROVED

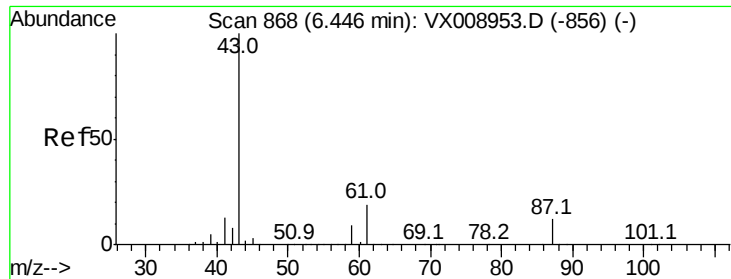
MMDadoda
4/23/2019 10:30:42 AM



#42
1,2-Dichloroethane
Concen: 48.026 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

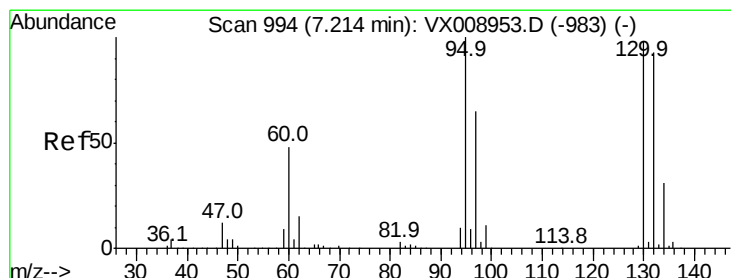
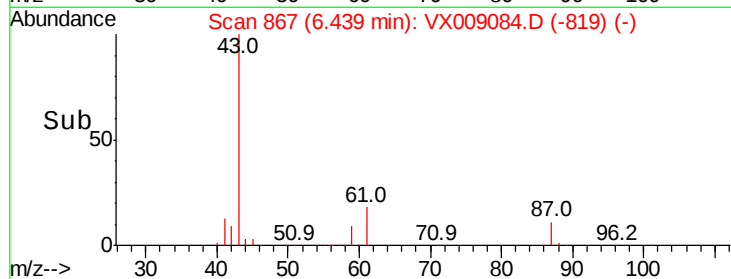
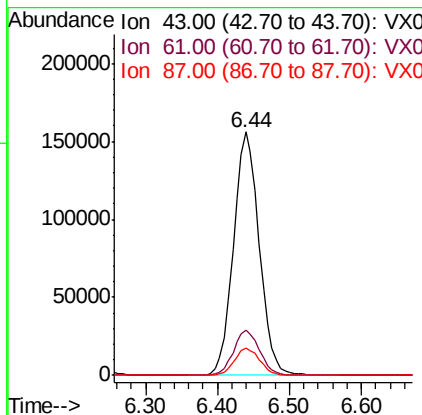
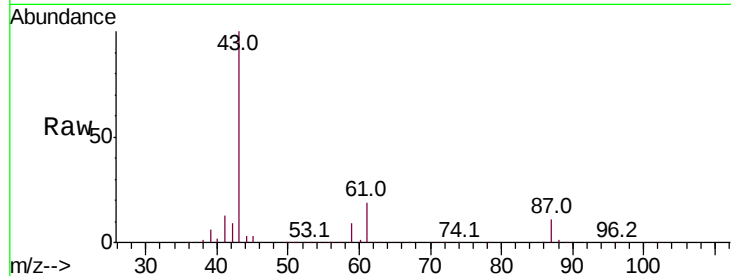
Isopropyl Acetate
 Concen: 48.468 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.1	9.0	13.4

Manual Integrations
 APPROVED

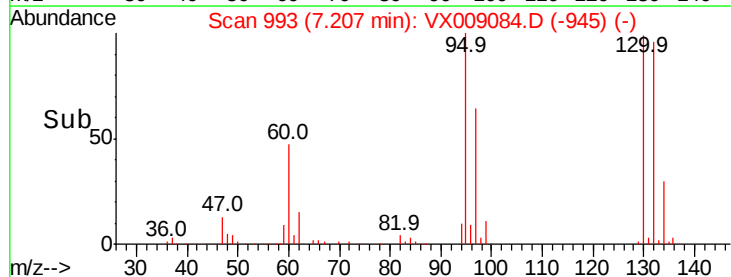
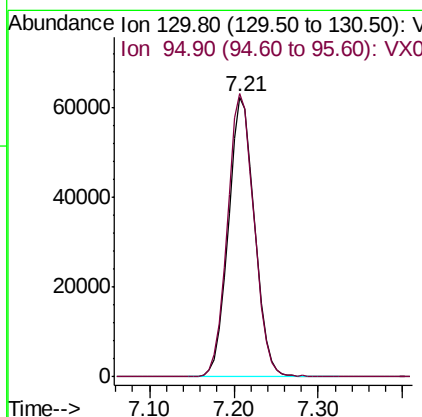
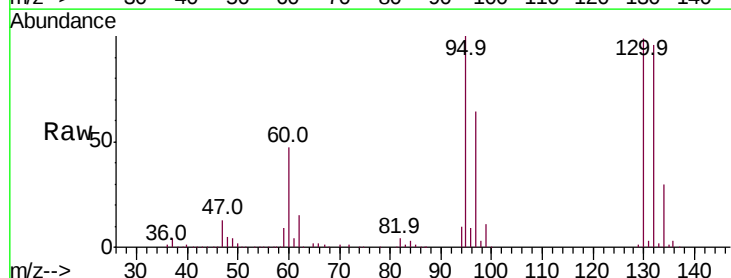
MMDadoda
 4/23/2019 10:30:42 AM

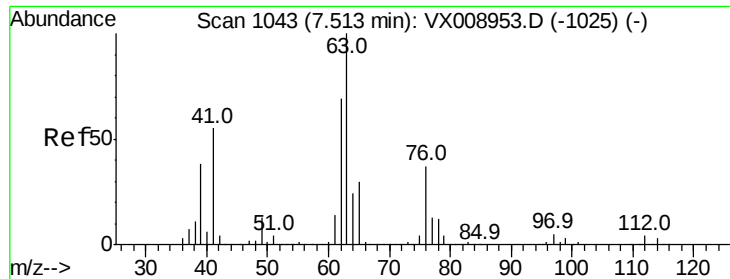


#44

Trichloroethene
 Concen: 47.504 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	203.2





#45

1,2-Dichloropropane

Concen: 49.649 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 155626

Ion Ratio Lower Upper

63 100

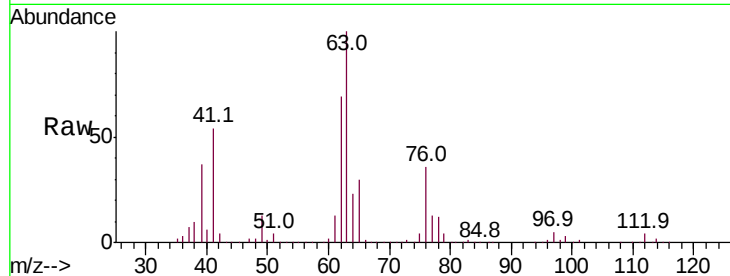
65 30.4 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

80000

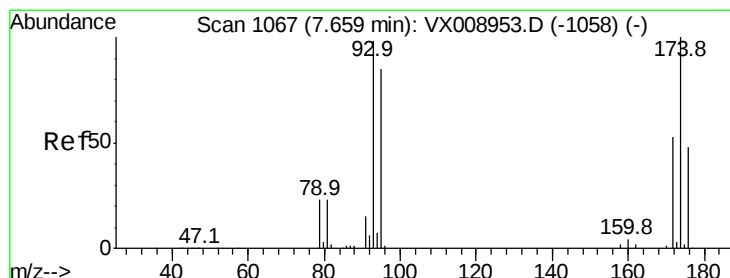
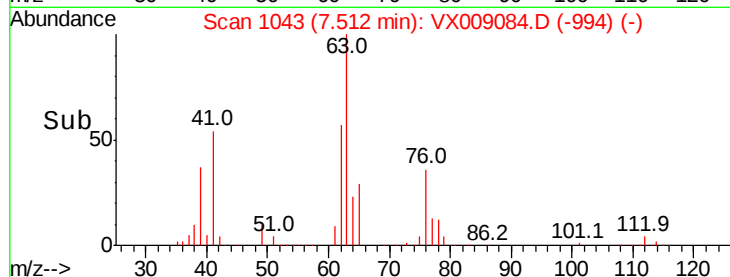
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#46

Dibromomethane

Concen: 47.921 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

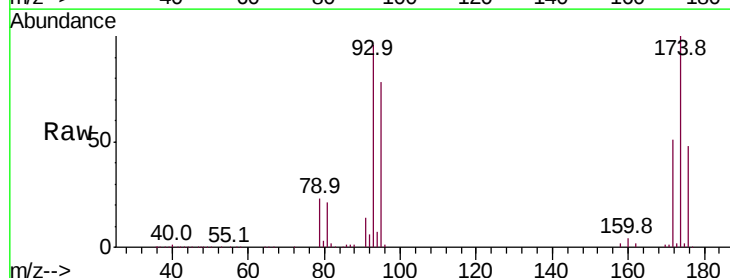
Tgt Ion: 93 Resp: 87418

Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.4

174 103.1 81.6 122.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

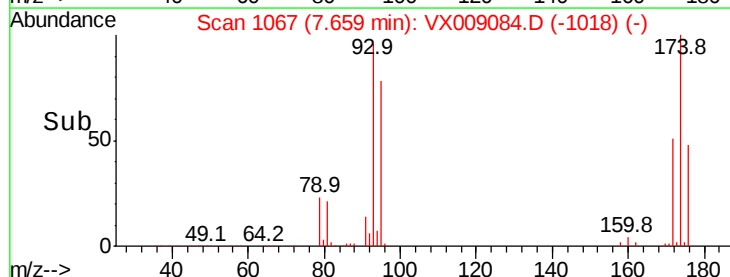
30000

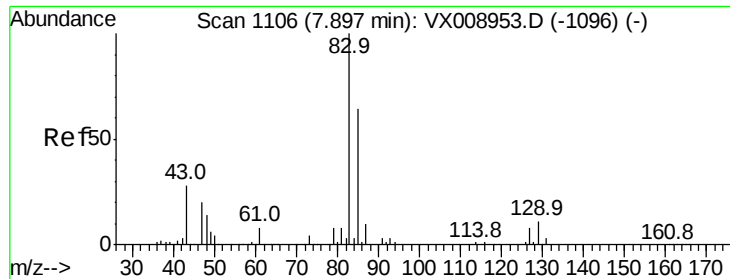
20000

10000

0

Time--> 7.55 7.60 7.65 7.70 7.75





#47

Bromodichloromethane

Concen: 49.858 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 178391

Ion Ratio Lower Upper

83 100

85 62.4 50.8 76.2

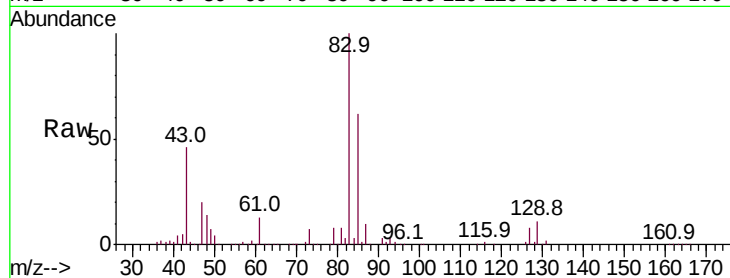
127 7.7 6.4 9.6

Manual Integrations

APPROVED

MMDadoda

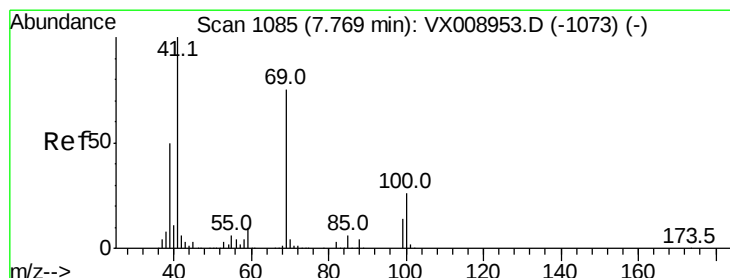
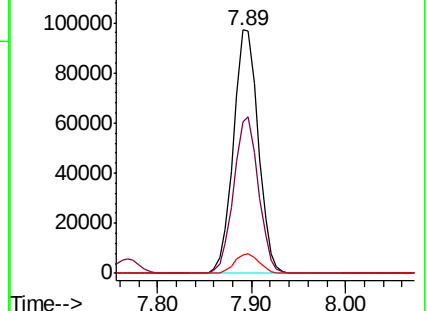
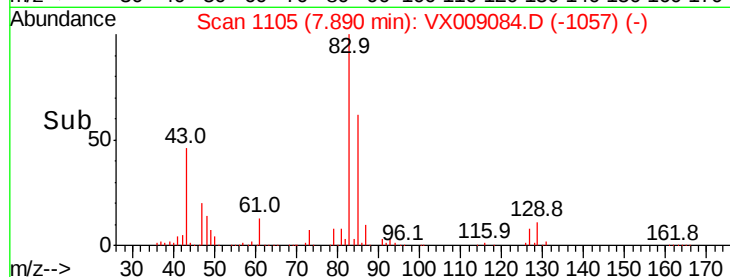
4/23/2019 10:30:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.893 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

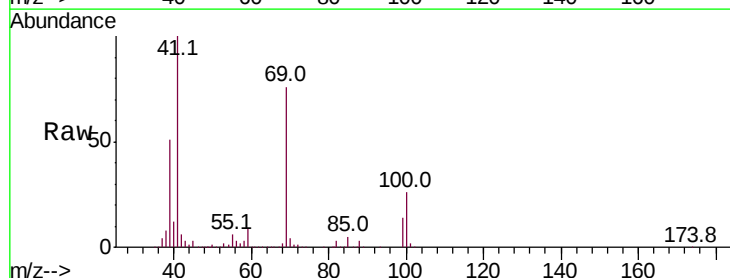
Tgt Ion: 41 Resp: 191866

Ion Ratio Lower Upper

41 100

69 74.2 59.4 89.2

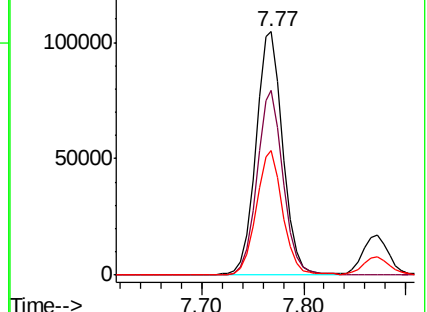
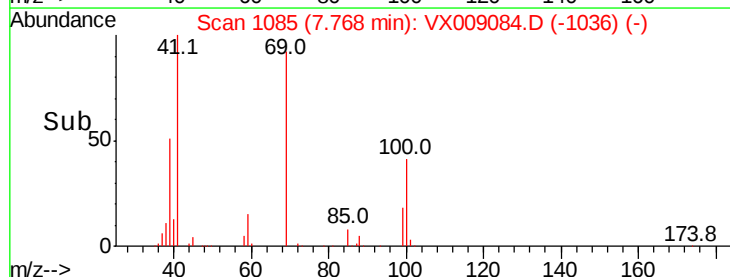
39 50.4 39.8 59.6

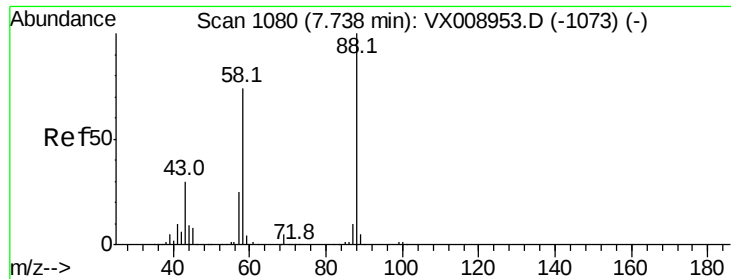


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





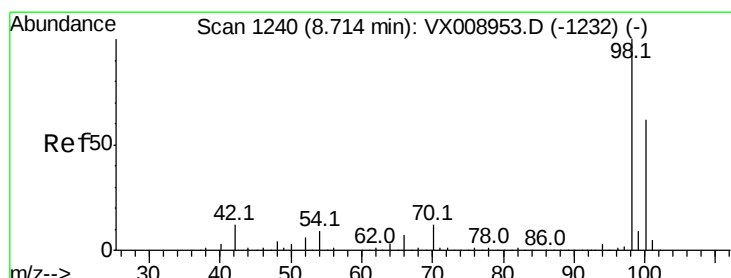
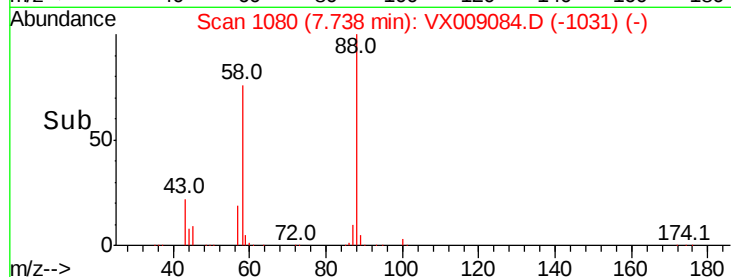
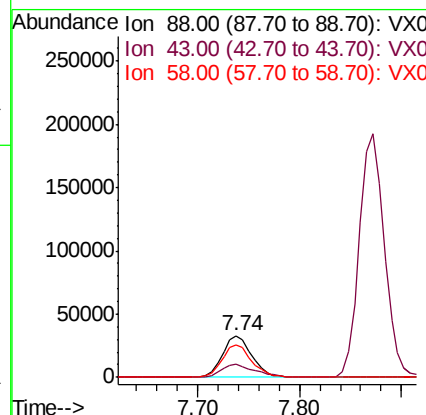
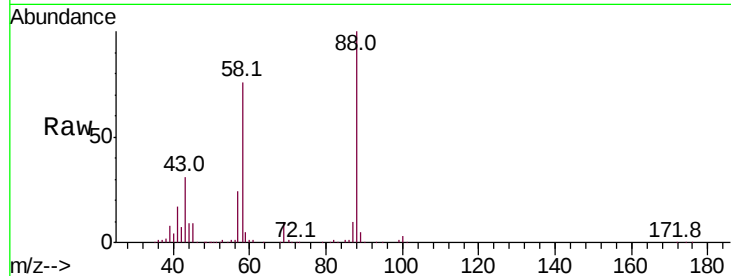
#49
1,4-Dioxane
Concen: 884.662 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	29.3	43.9
58	80.6	62.6	93.8

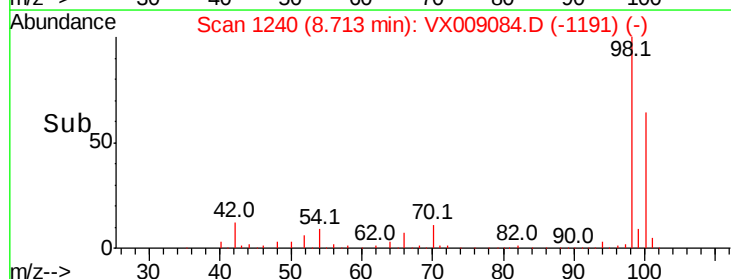
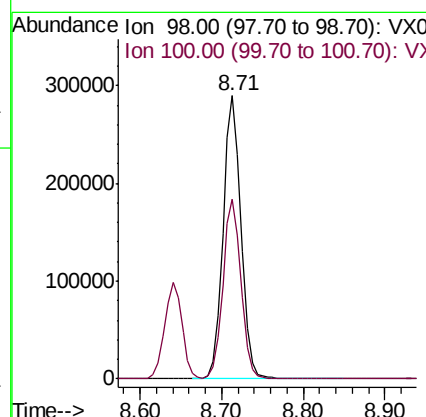
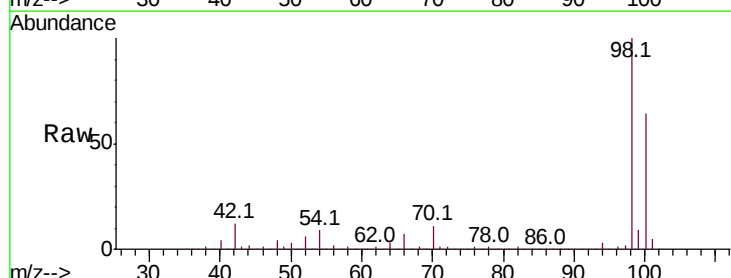
Manual Integrations
APPROVED

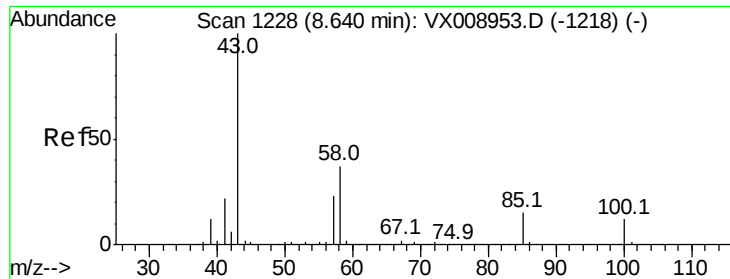
MMDadoda
4/23/2019 10:30:42 AM



#50
Toluene-d8
Concen: 46.784 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 235.579 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1191937

Ion Ratio Lower Upper

43 100

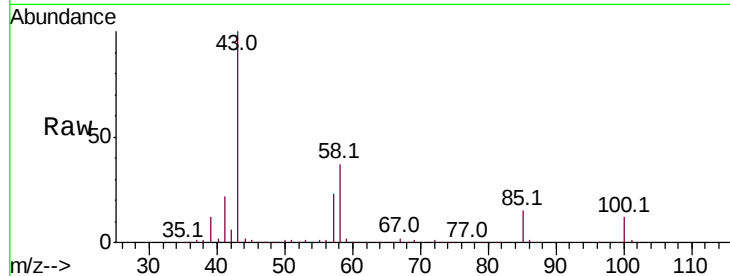
58 36.8 29.8 44.6

Manual Integrations

APPROVED

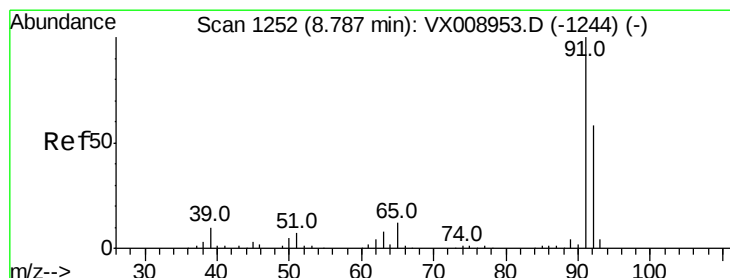
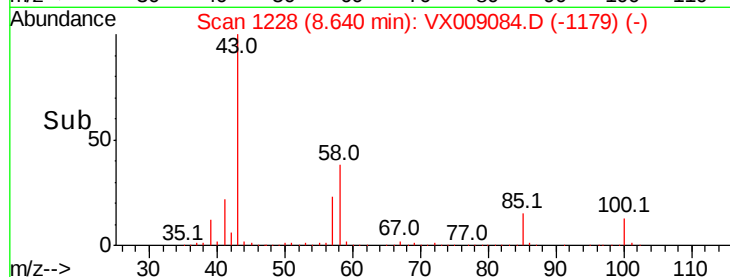
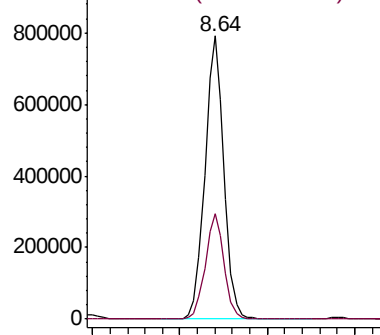
MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.786 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009084.D

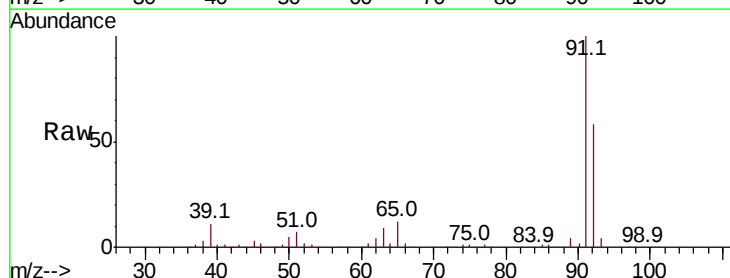
Acq: 22 Apr 2019 09:51

Tgt Ion: 92 Resp: 330350

Ion Ratio Lower Upper

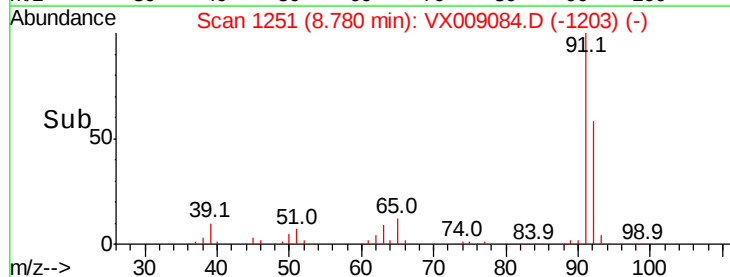
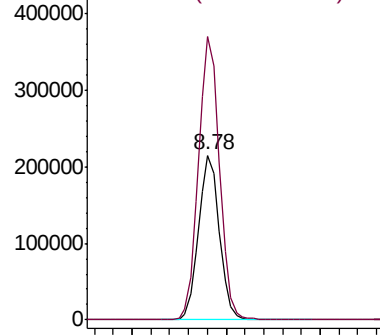
92 100

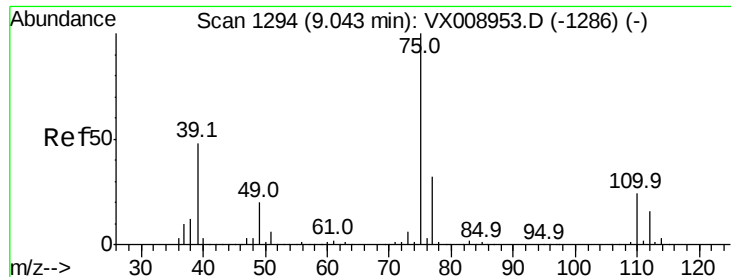
91 173.9 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





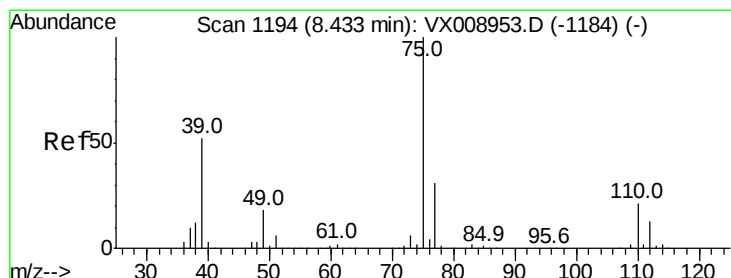
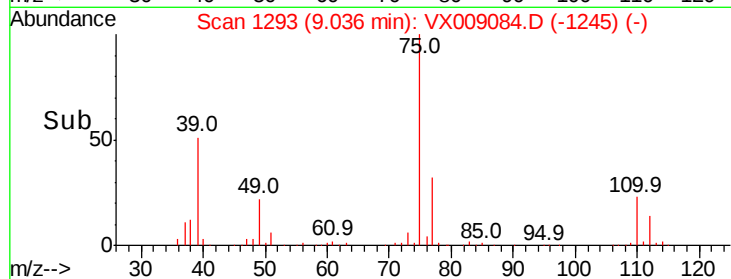
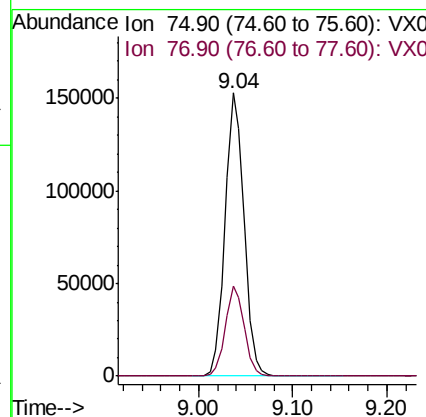
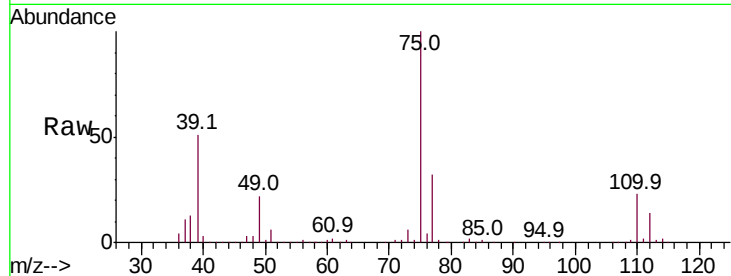
#53
 t-1,3-Dichloropropene
 Concen: 51.813 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

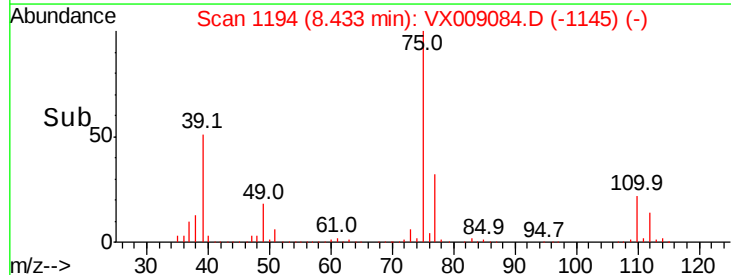
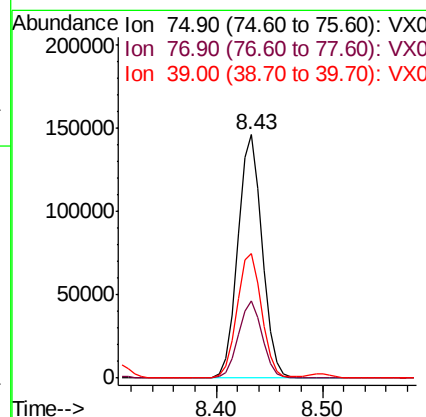
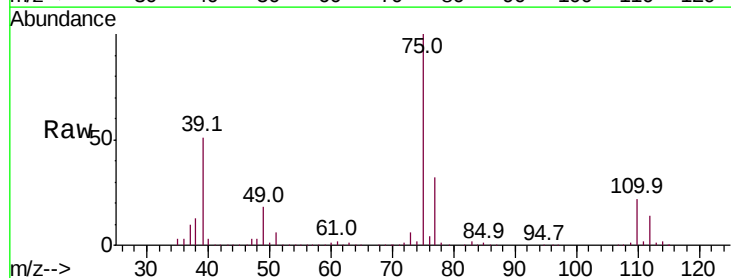
Manual Integrations
 APPROVED

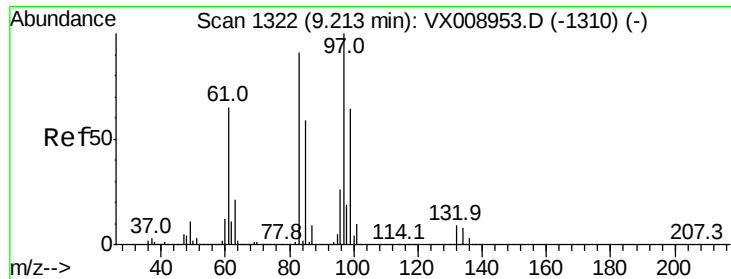
MMDadoda
 4/23/2019 10:30:42 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.829 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2
39	51.2	41.8	62.6





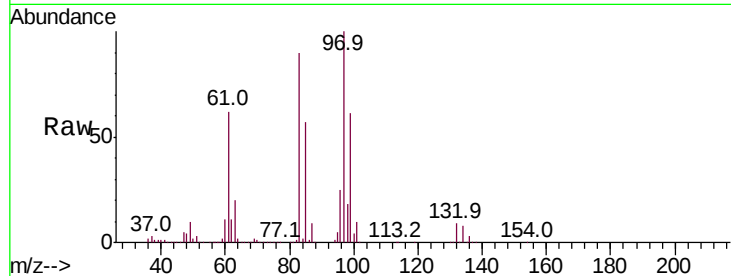
#55
 1,1,2-Trichloroethane
 Concen: 48.743 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050

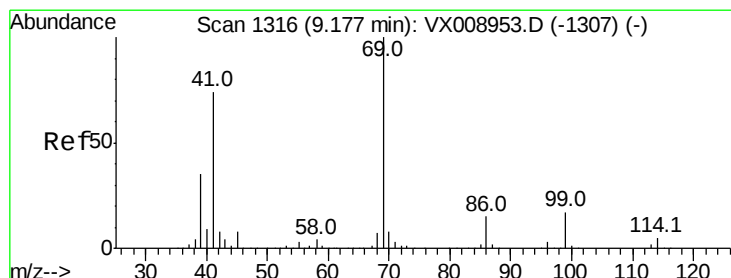
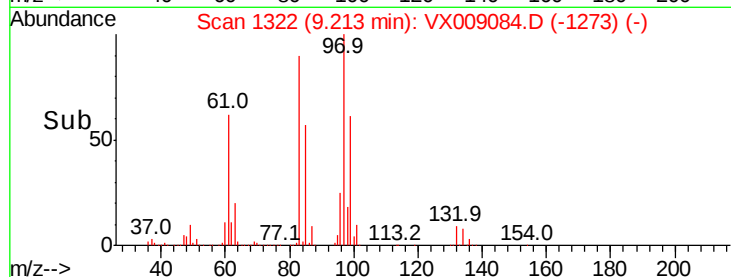
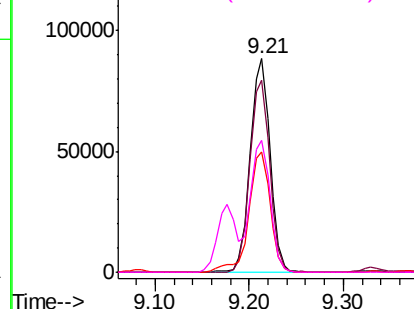
Tot Ion:	97	Resp:	130813
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.6	108.8
85	56.5	46.9	70.3
99	61.5	51.0	76.6

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 10:30:42 AM

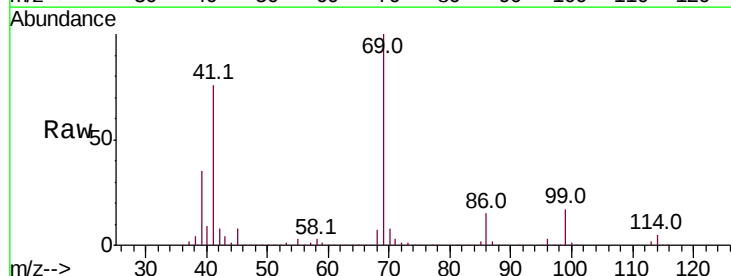


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

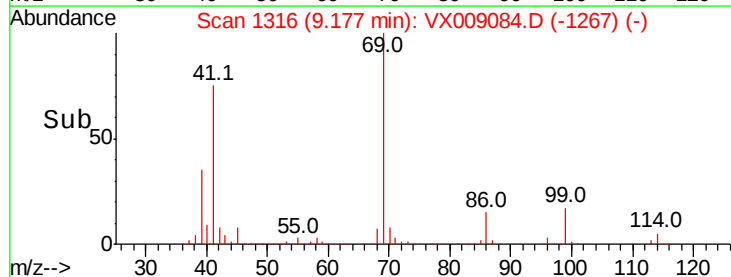
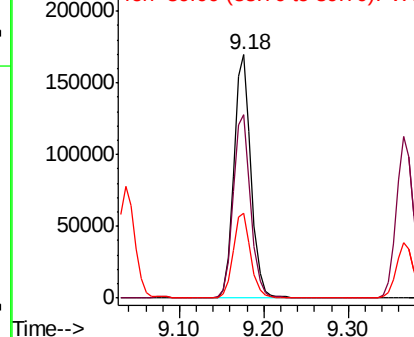


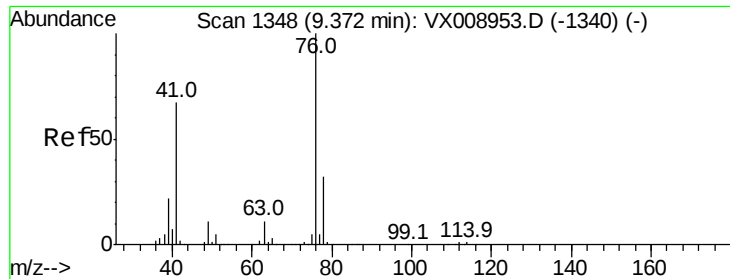
#56
 Ethyl methacrylate
 Concen: 48.772 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion:	69	Resp:	234698
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.2	90.2
39	35.4	27.9	41.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





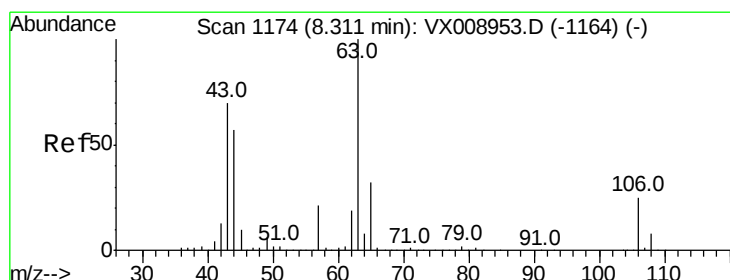
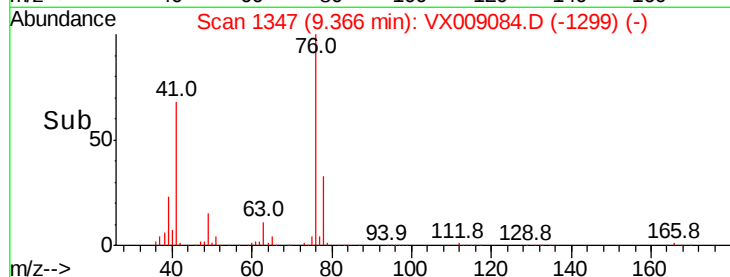
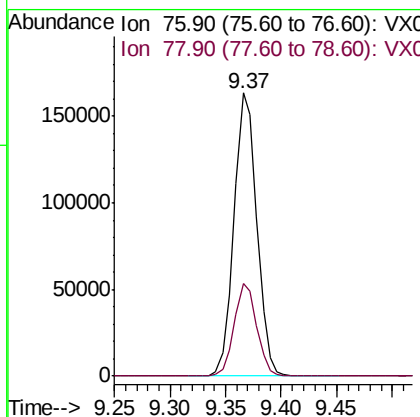
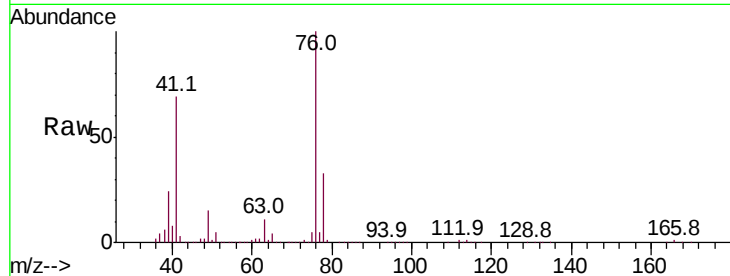
#57
 1,3-Dichloropropane
 Concen: 48.589 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 232175
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

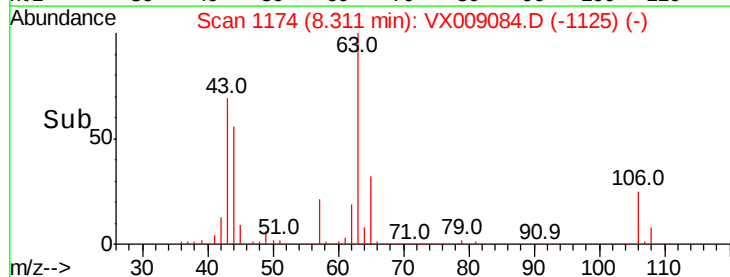
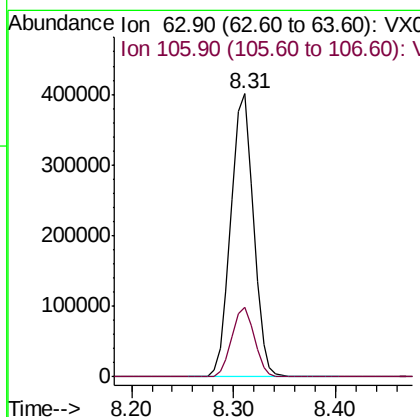
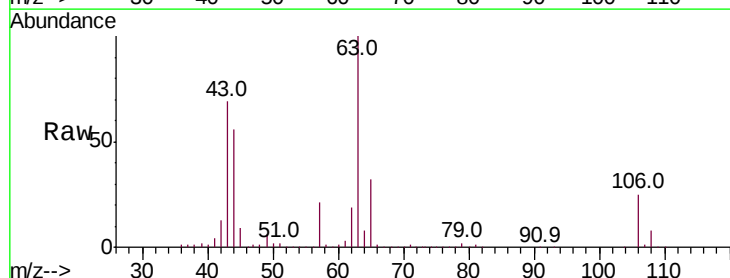
Manual Integrations
 APPROVED

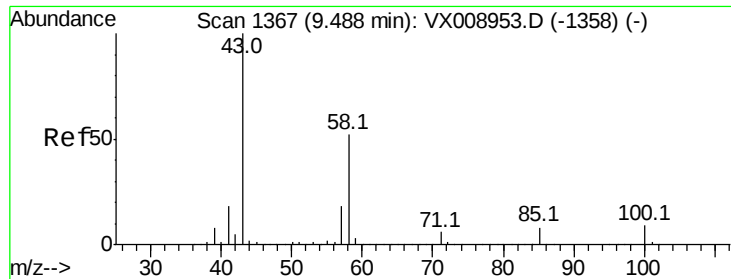
MMDadoda
 4/23/2019 10:30:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.052 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion: 63 Resp: 614287
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.6





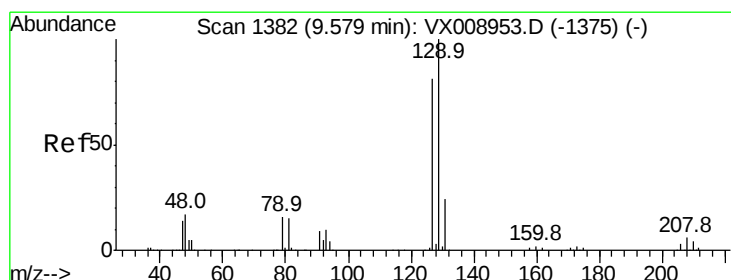
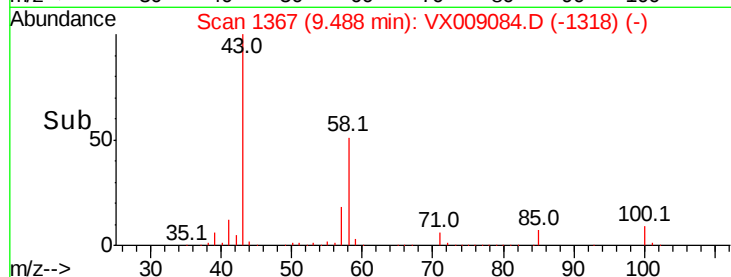
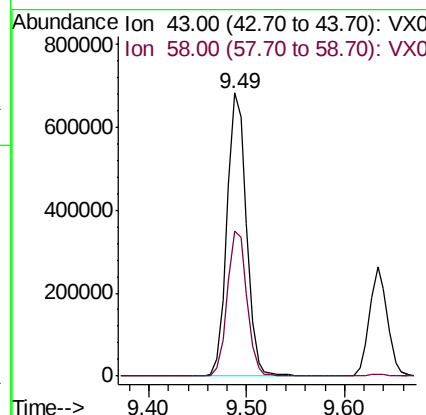
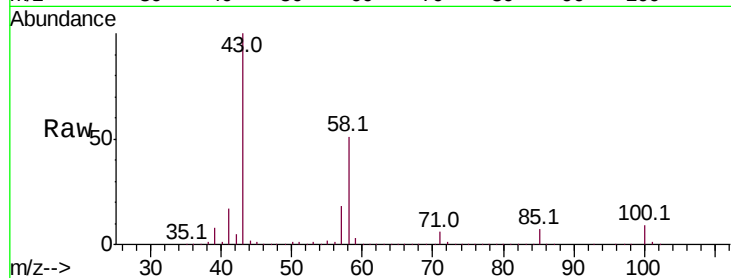
#59
2-Hexanone
Concen: 240.607 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 938569
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

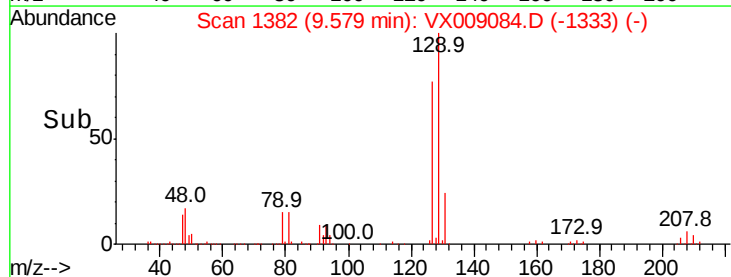
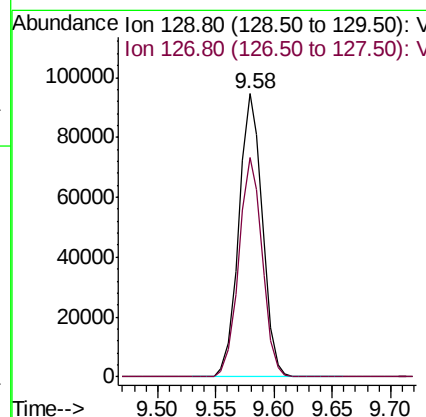
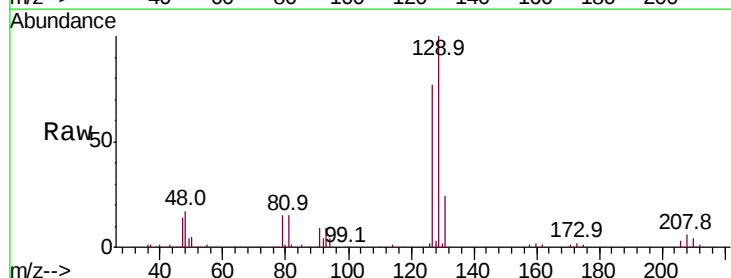
Manual Integrations
APPROVED

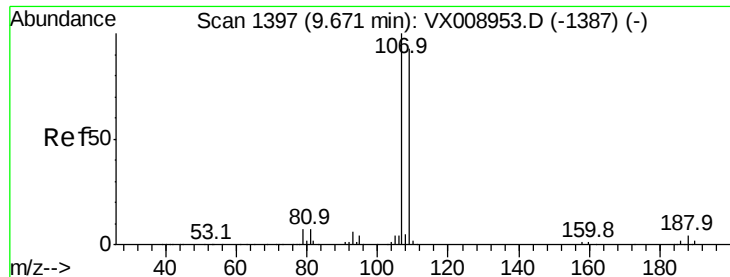
MMDadoda
4/23/2019 10:30:42 AM



#60
Dibromochloromethane
Concen: 51.902 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion: 129 Resp: 133498
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 49.042 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 135839

Ion Ratio Lower Upper

107 100

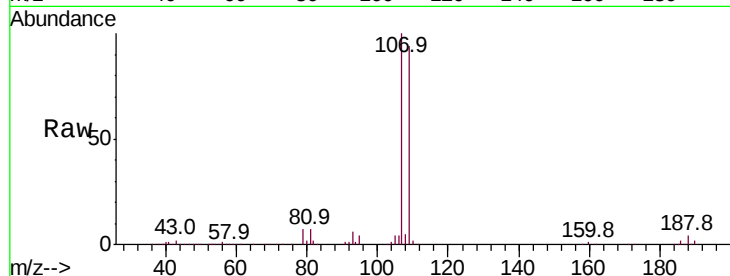
109 93.1 74.4 111.6

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:42 AM

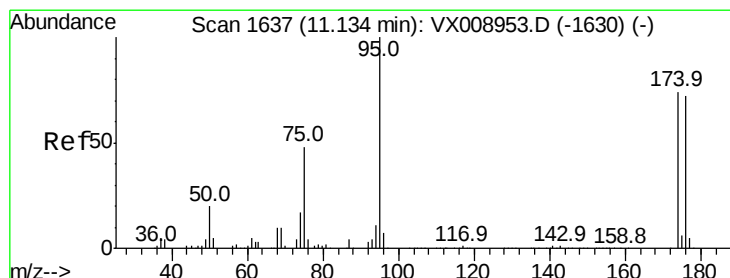
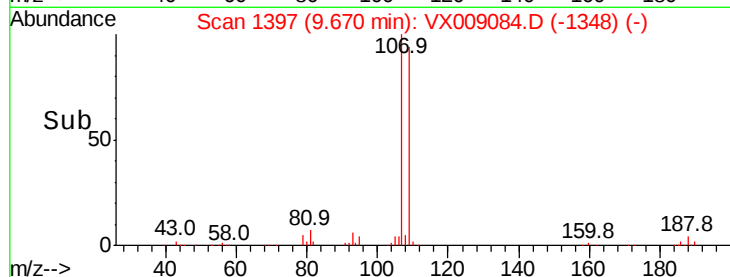


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 46.265 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

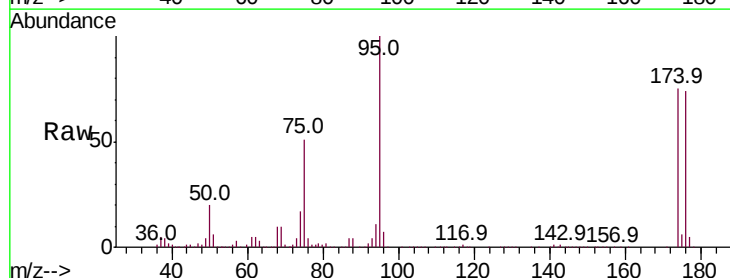
Tgt Ion: 95 Resp: 154794

Ion Ratio Lower Upper

95 100

174 79.8 0.0 159.6

176 77.5 0.0 154.8



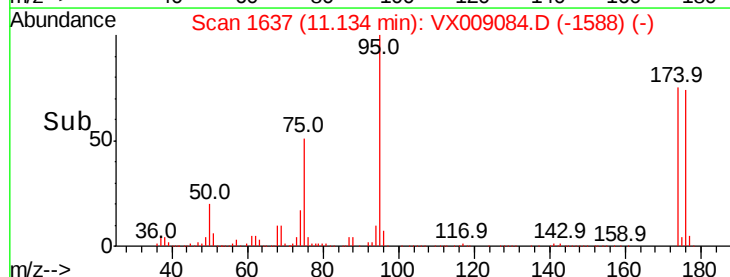
Abundance Ion 94.90 (94.60 to 95.60): VX0

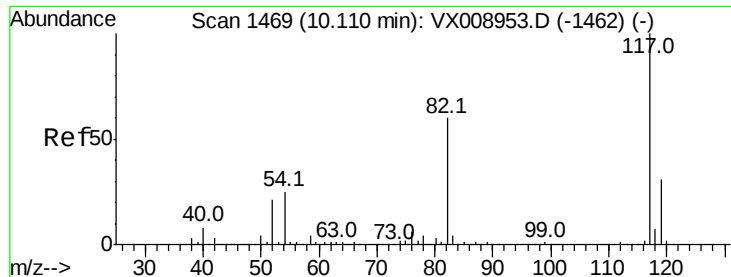
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

Time-->





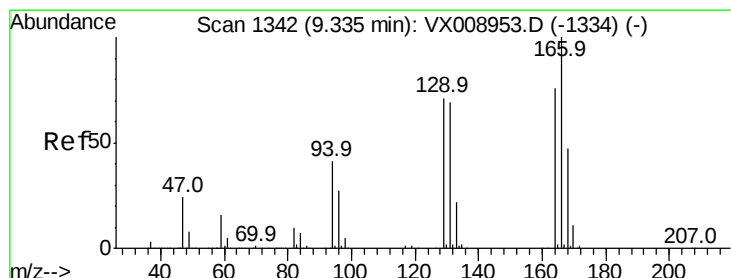
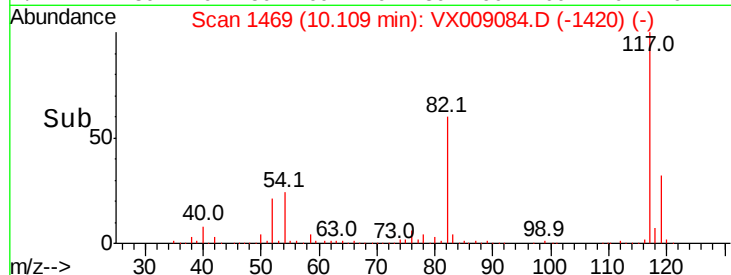
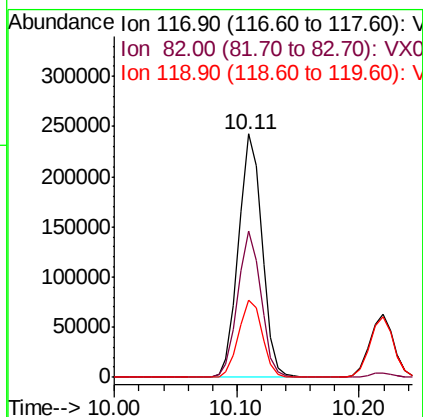
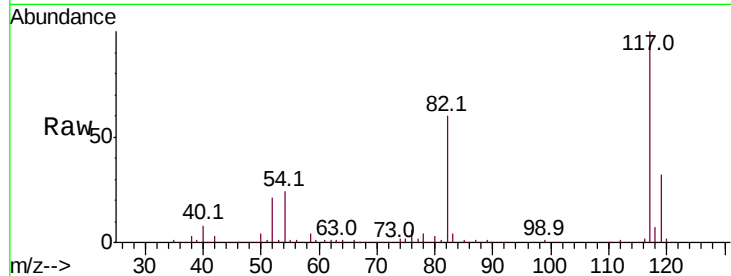
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	48.2	72.4
119	31.7	25.0	37.6

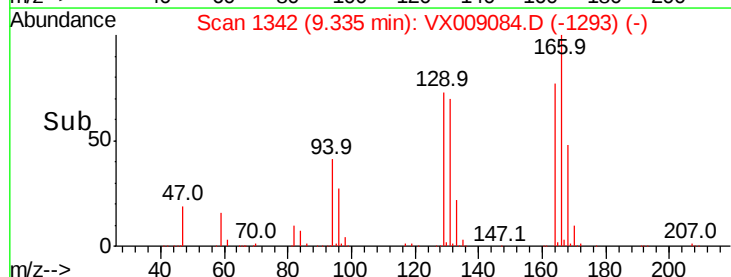
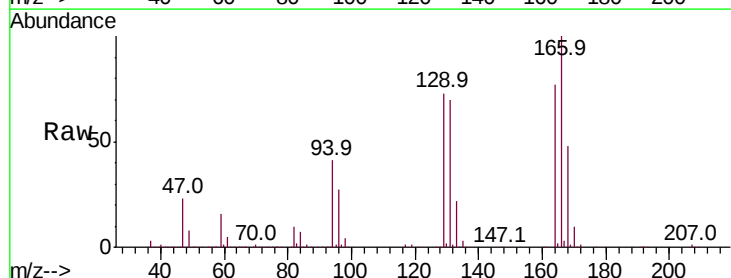
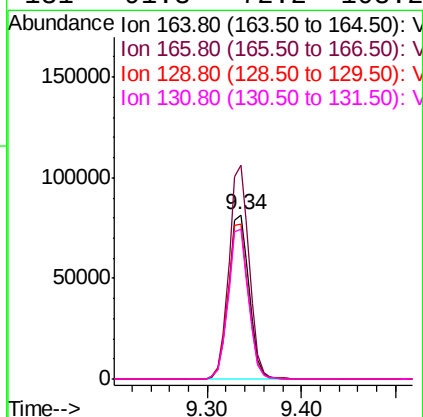
Manual Integrations
APPROVED

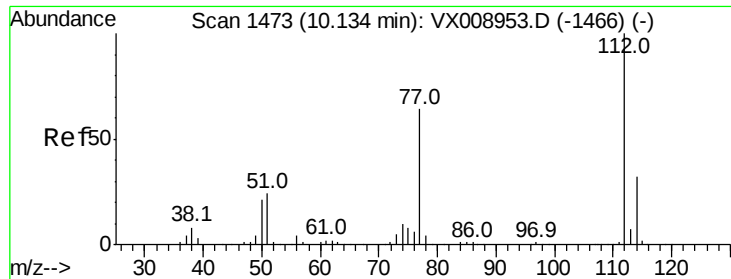
MMDadoda
4/23/2019 10:30:42 AM



#64
Tetrachloroethene
Concen: 49.990 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	105.0	157.4
129	94.3	74.2	111.4
131	91.3	72.2	108.2





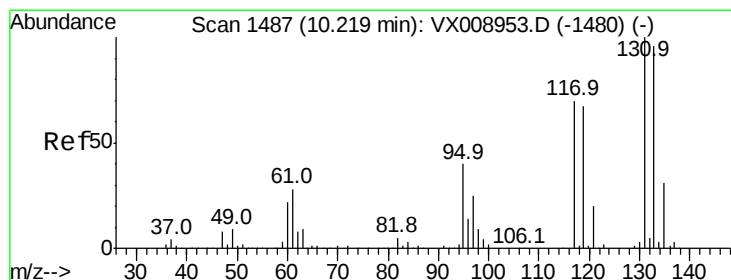
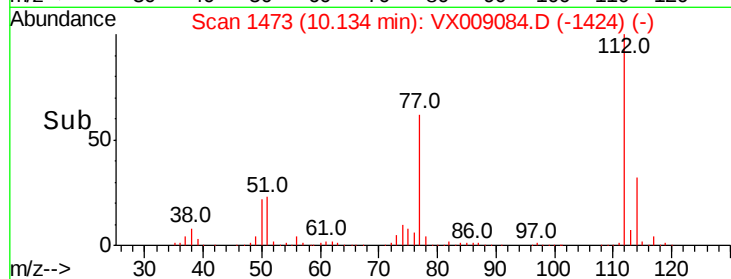
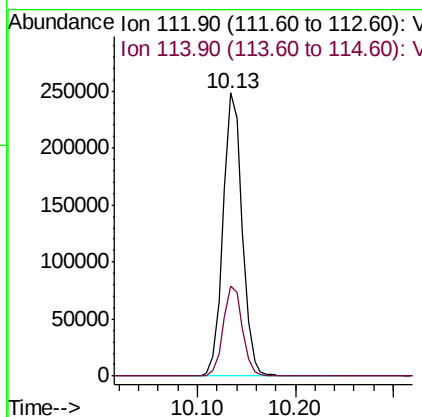
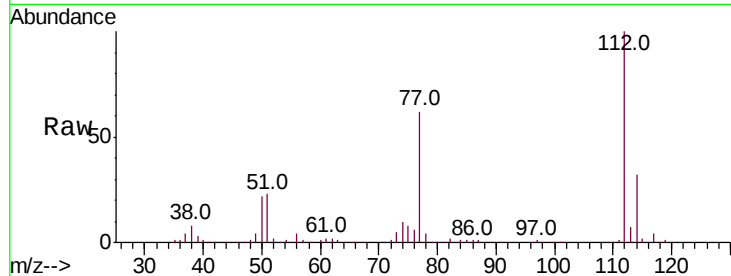
#65
Chlorobenzene
Concen: 49.480 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 337202
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

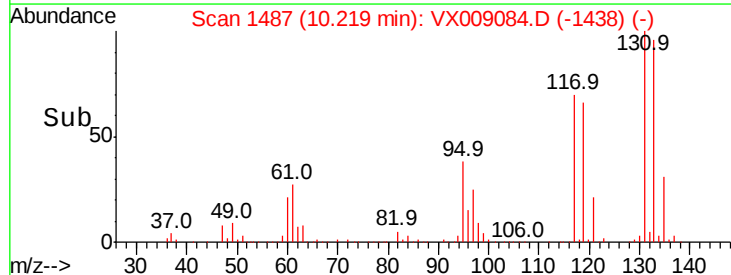
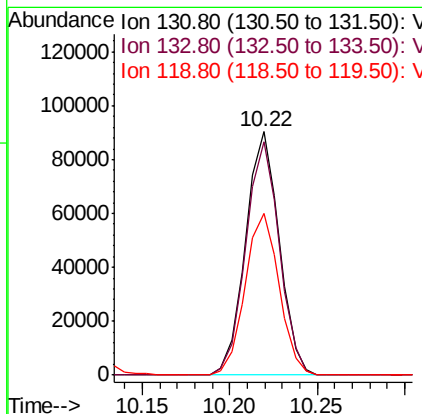
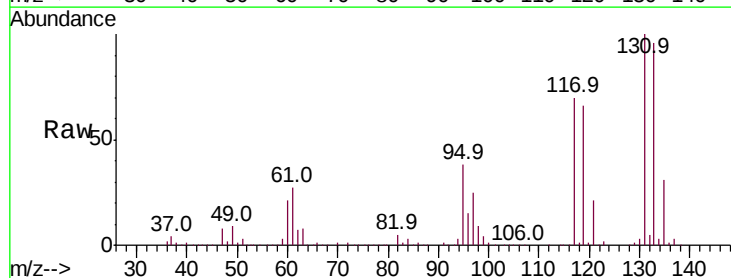
Manual Integrations
APPROVED

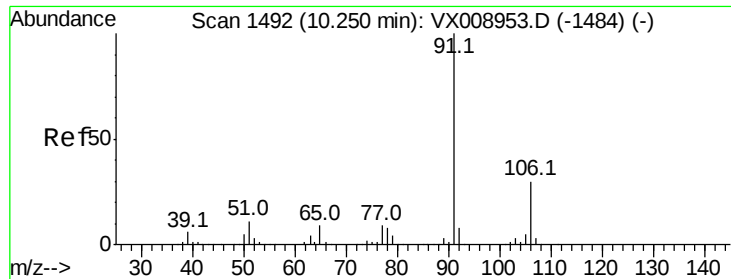
MMDadoda
4/23/2019 10:30:42 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.315 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion:131 Resp: 120795
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.2
119 67.3 33.7 101.1





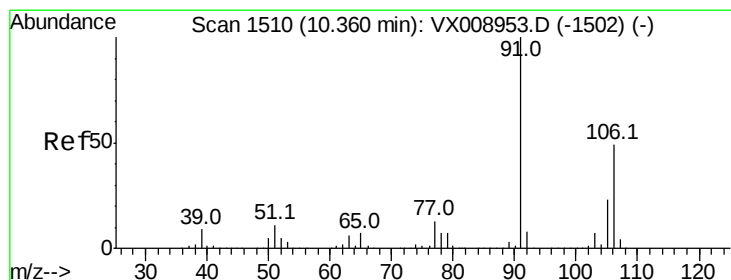
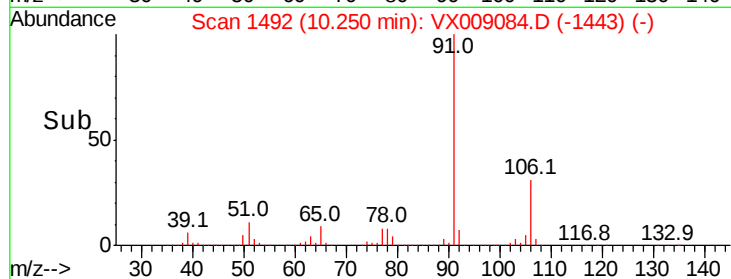
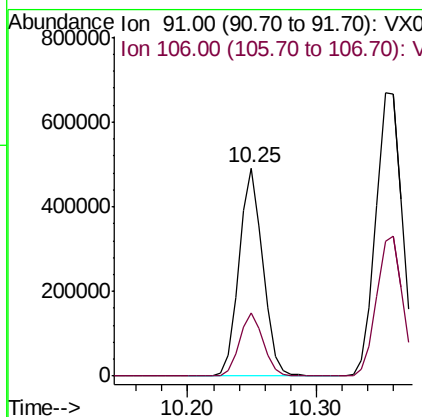
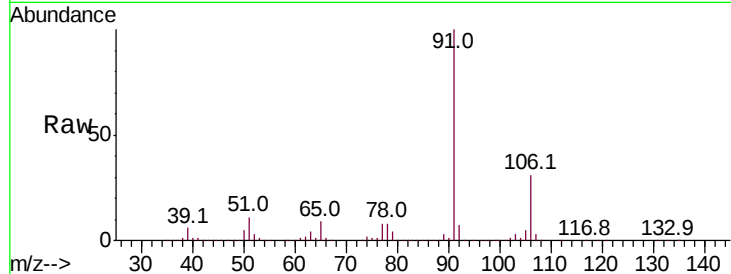
#67
Ethyl Benzene
Concen: 50.435 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 628312
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

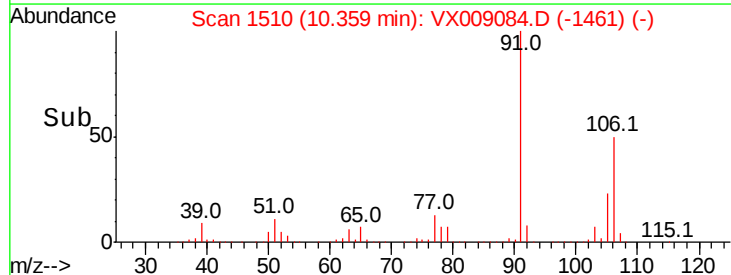
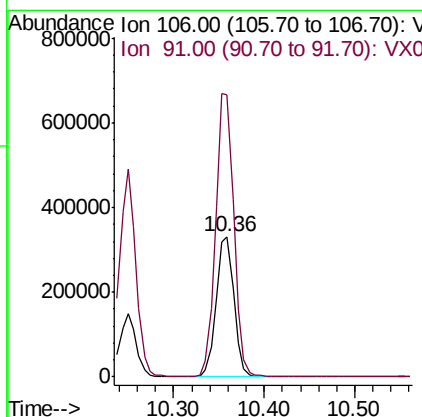
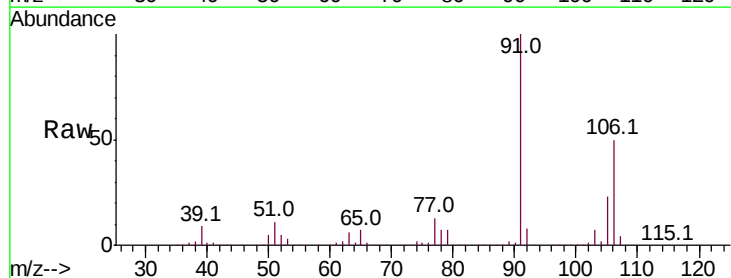
Manual Integrations
APPROVED

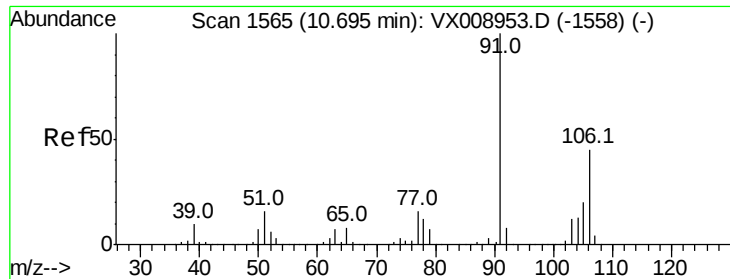
MMDadoda
4/23/2019 10:30:42 AM



#68
m/p-Xylenes
Concen: 101.344 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion: 106 Resp: 458837
Ion Ratio Lower Upper
106 100
91 206.0 165.4 248.2





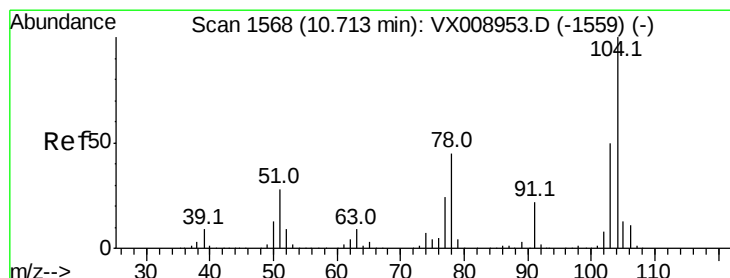
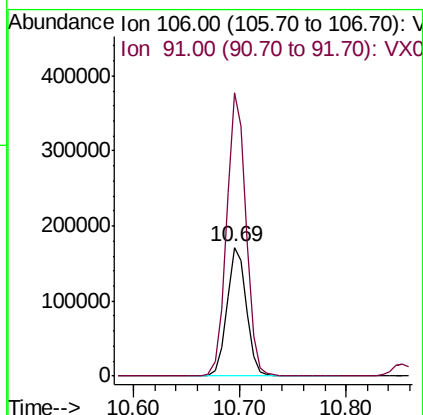
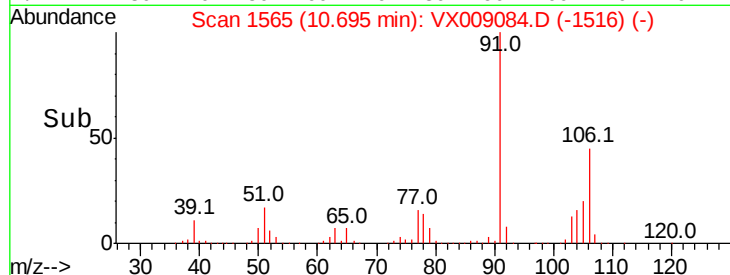
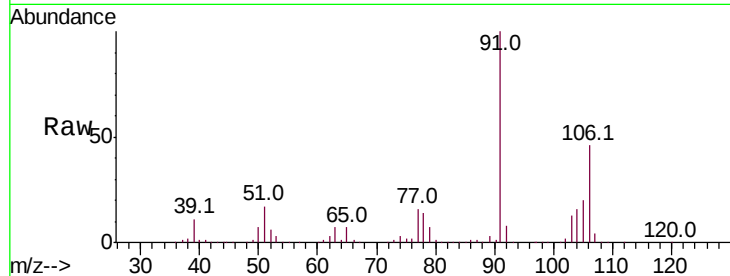
#69
o-Xylene
Concen: 49.773 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 219267
Ion Ratio Lower Upper
106 100
91 219.6 108.9 326.7

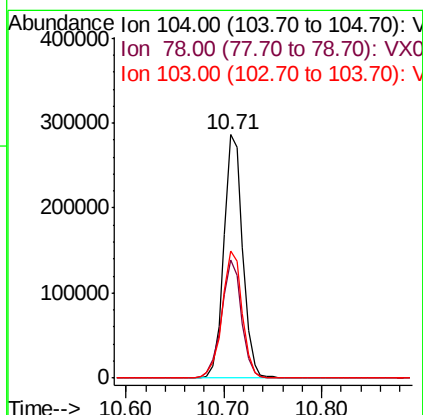
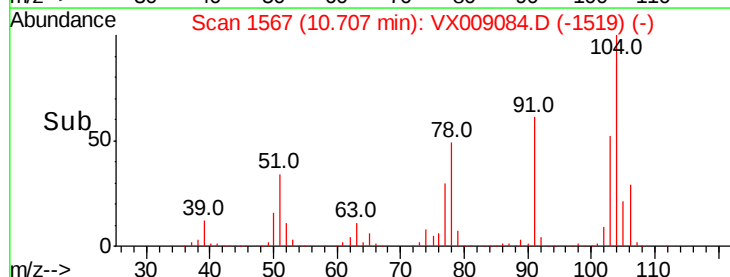
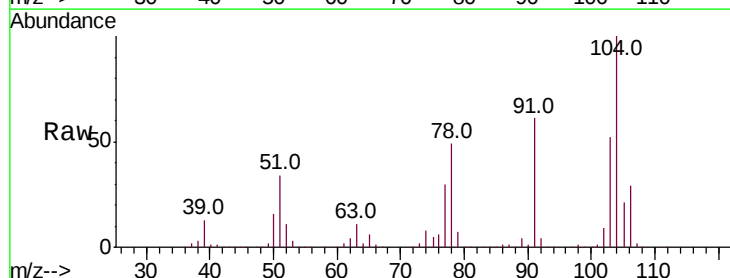
Manual Integrations
APPROVED

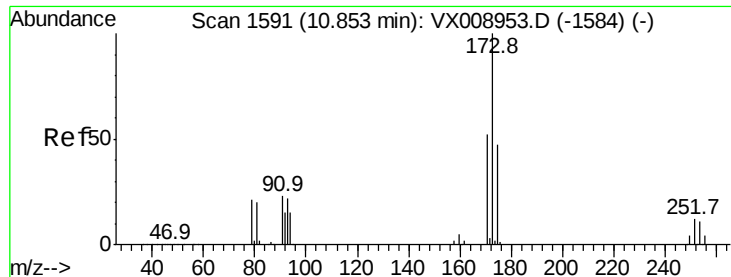
MMDadoda
4/23/2019 10:30:42 AM



#70
Styrene
Concen: 49.928 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion:104 Resp: 381159
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.6 43.9 65.9





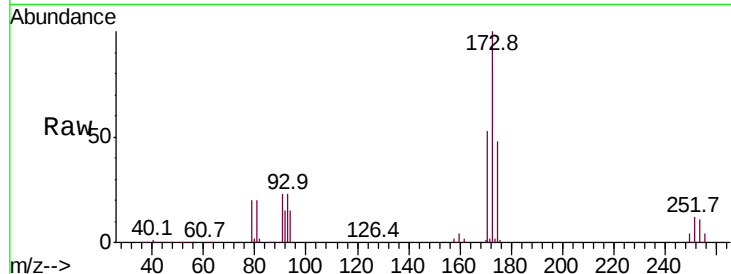
#71
Bromoform
Concen: 50.546 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	23.9	71.8
254	0.2	0.2	0.4

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM

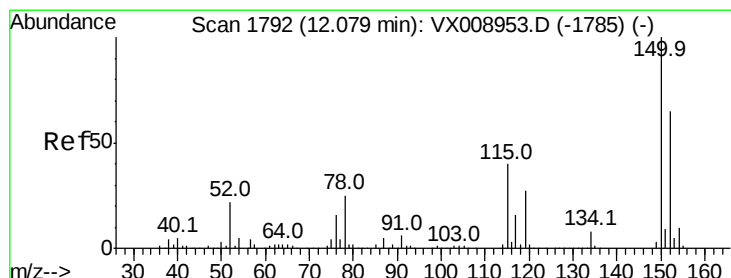
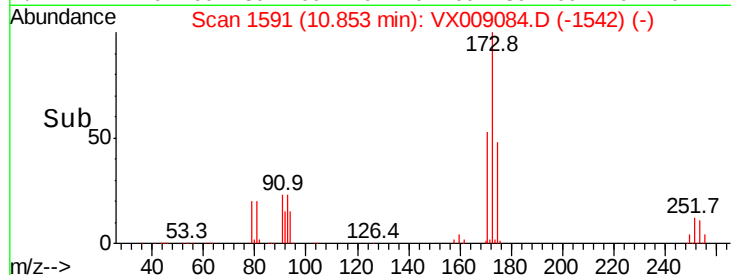
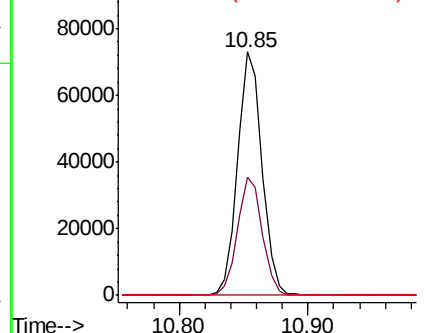


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

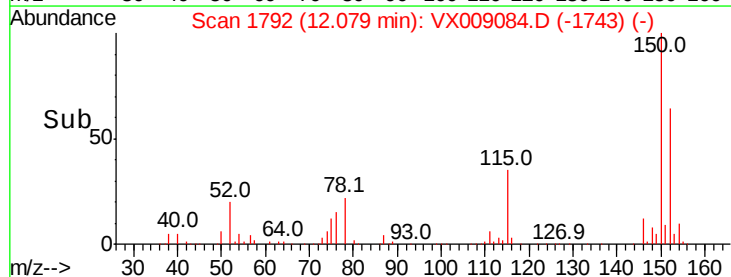
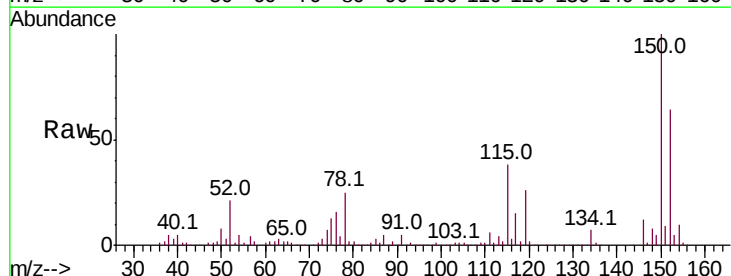
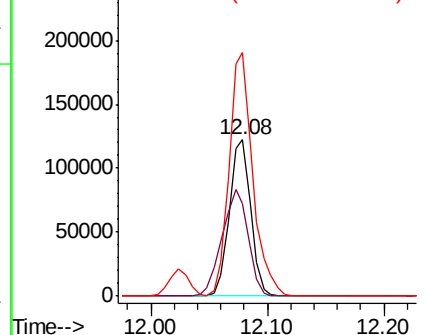
Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.8	41.4	124.2
150	172.2	0.0	349.8

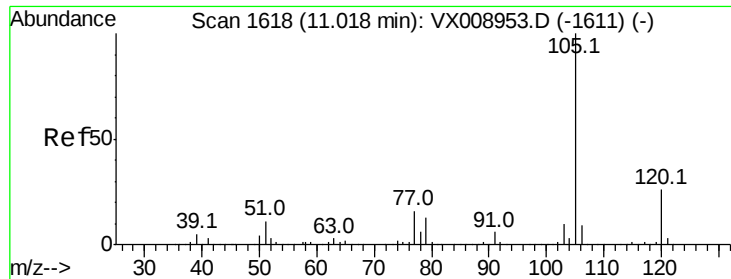
Abundance

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: 50.554 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 590833

Ion Ratio Lower Upper

105 100

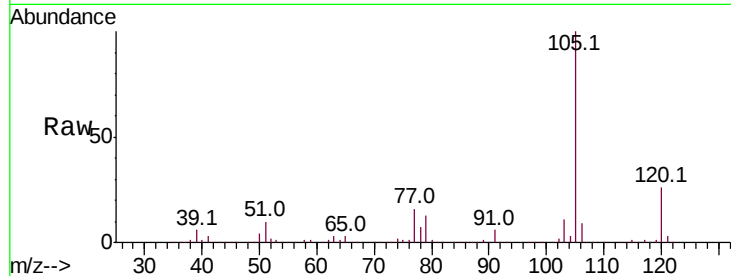
120 25.9 12.9 38.7

Manual Integrations

APPROVED

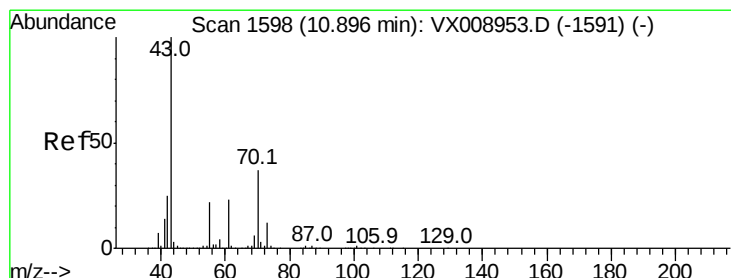
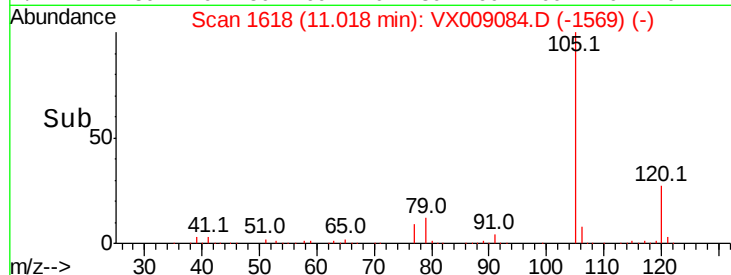
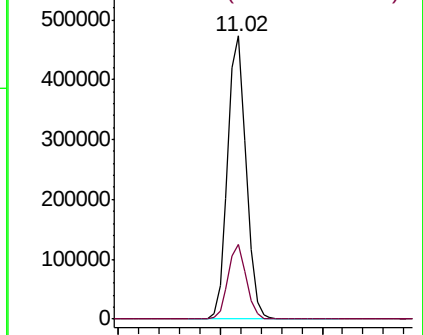
MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.107 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion: 43 Resp: 322820

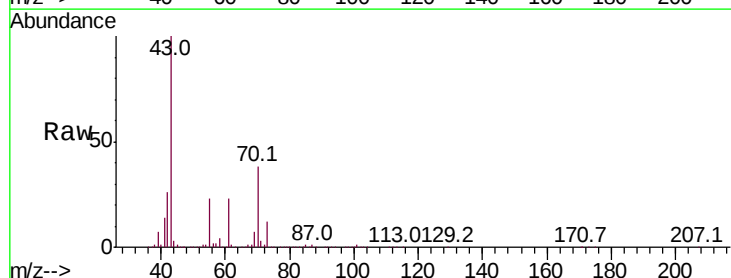
Ion Ratio Lower Upper

43 100

70 37.3 29.9 44.9

55 22.6 17.8 26.8

61 22.6 18.3 27.5

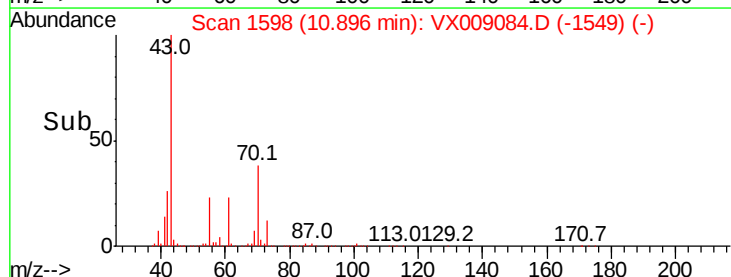
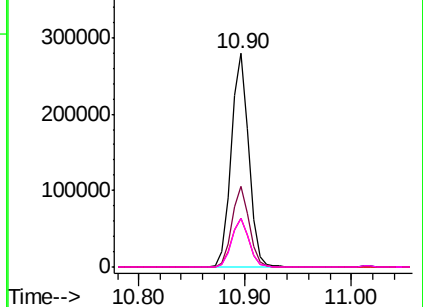


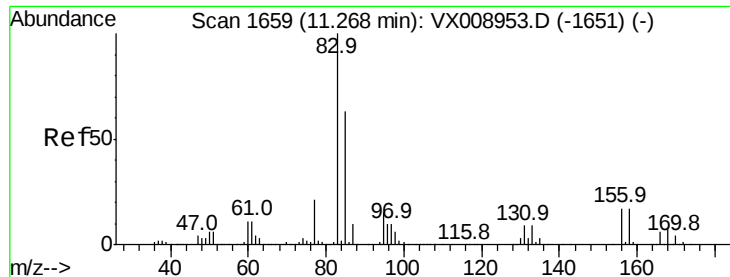
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.339 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 197875

Ion Ratio Lower Upper

83 100

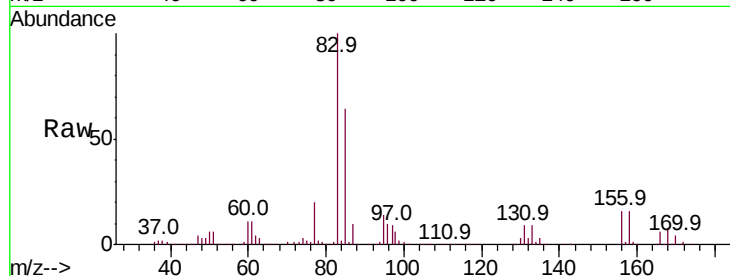
131 9.4 4.7 14.0

85 64.4 31.9 95.9

Manual Integrations
APPROVED

MMDadoda

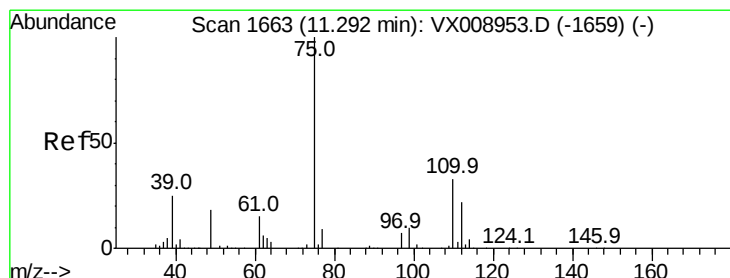
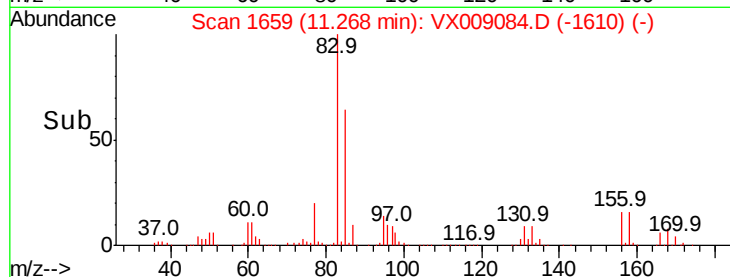
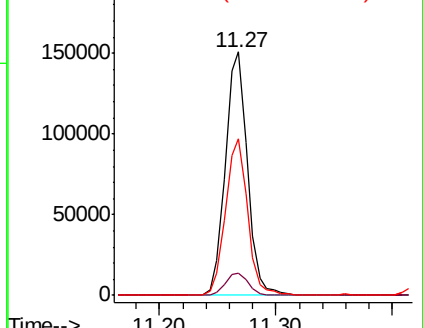
4/23/2019 10:30:42 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 46.336 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009084.D

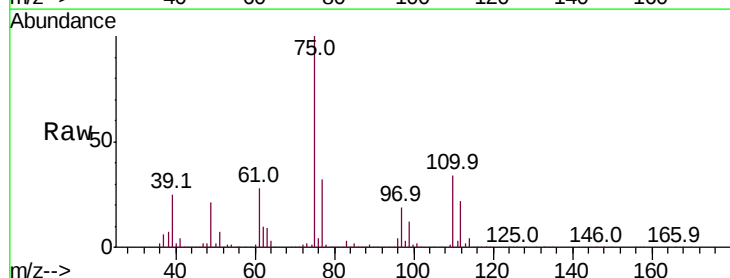
Acq: 22 Apr 2019 09:51

Tgt Ion: 75 Resp: 174451

Ion Ratio Lower Upper

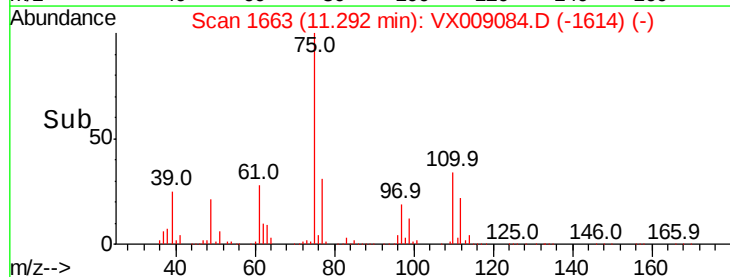
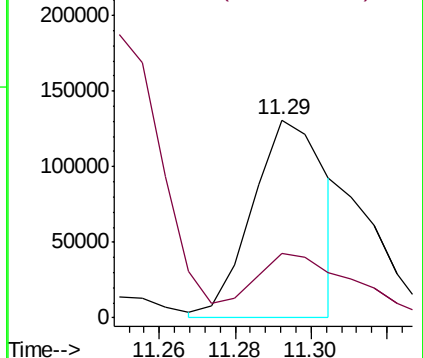
75 100

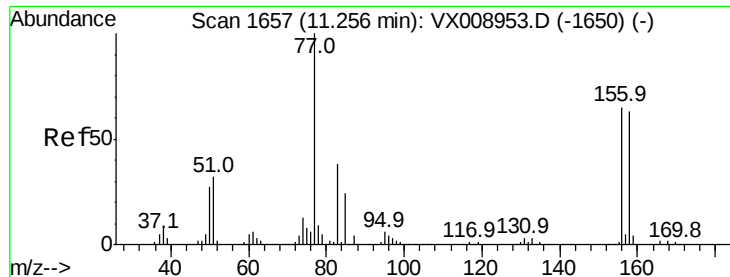
77 44.6 22.7 68.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.349 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 139620

Ion Ratio Lower Upper

156 100

77 172.9 85.4 256.1

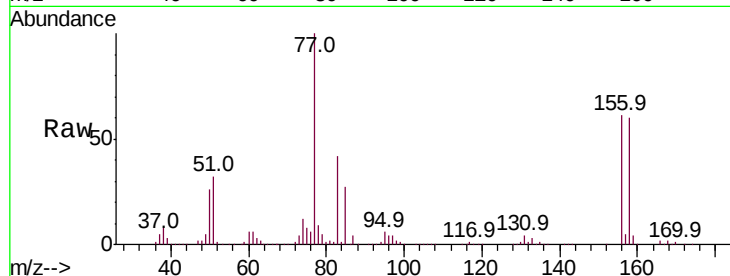
158 97.6 48.8 146.4

Manual Integrations

APPROVED

MMDadoda

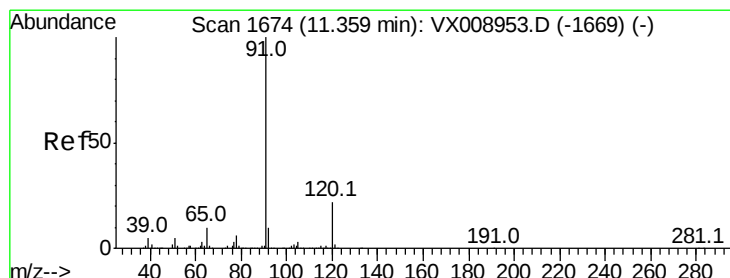
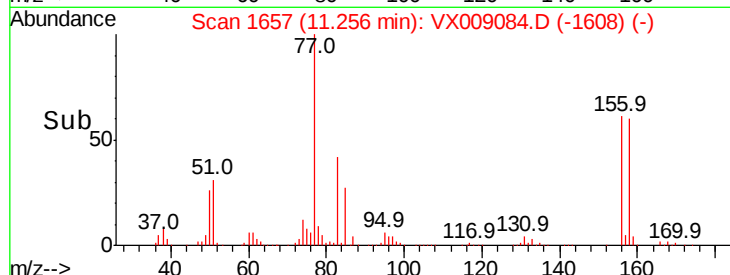
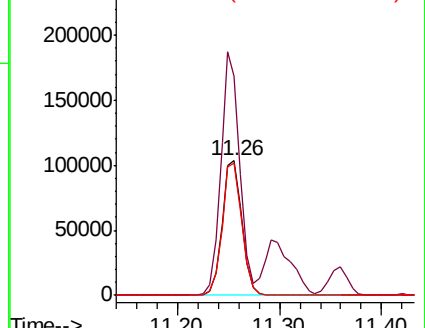
4/23/2019 10:30:42 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.495 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009084.D

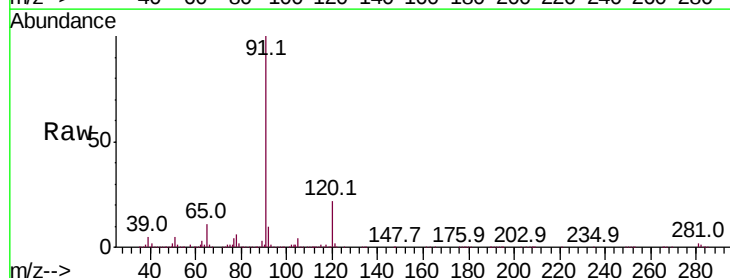
Acq: 22 Apr 2019 09:51

Tgt Ion: 91 Resp: 690762

Ion Ratio Lower Upper

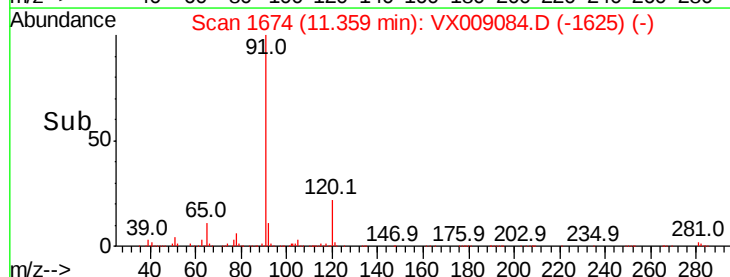
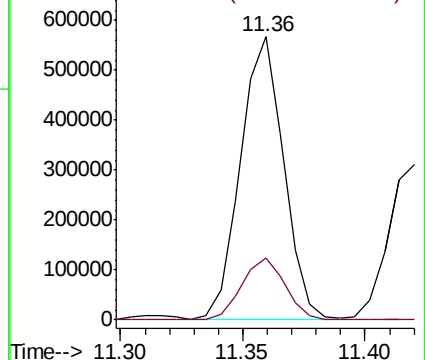
91 100

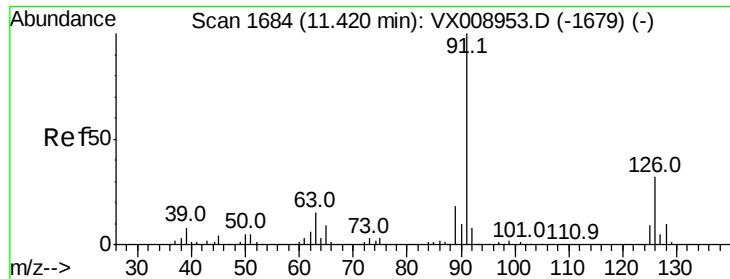
120 22.1 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.120 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 397056

Ion Ratio Lower Upper

91 100

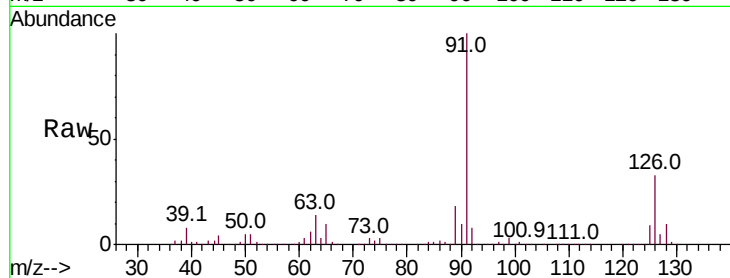
126 32.7 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 91.00 (90.70 to 91.70): VX008953.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX008953.D (-1679) (-)

600000

500000

400000

300000

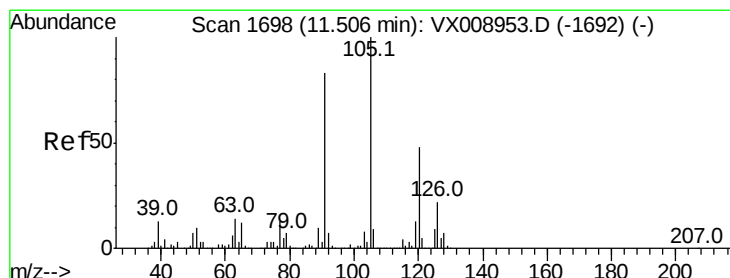
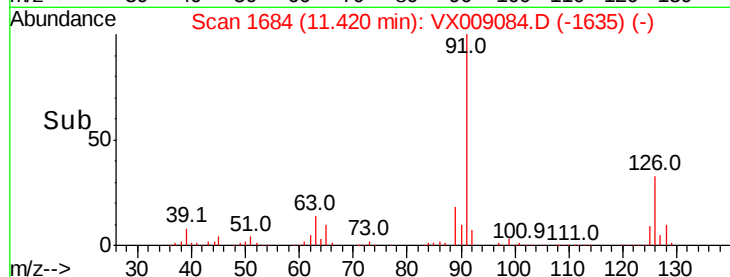
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.995 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009084.D

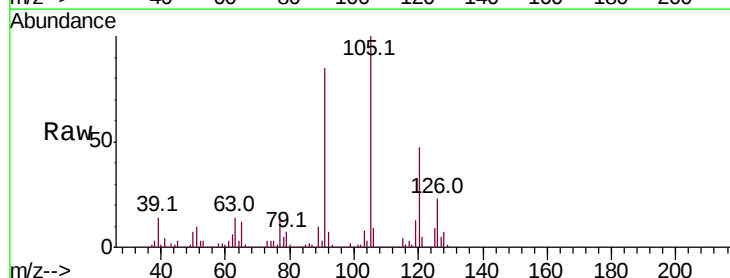
Acq: 22 Apr 2019 09:51

Tgt Ion: 105 Resp: 500124

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VX008953.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX008953.D (-1692) (-)

500000

400000

300000

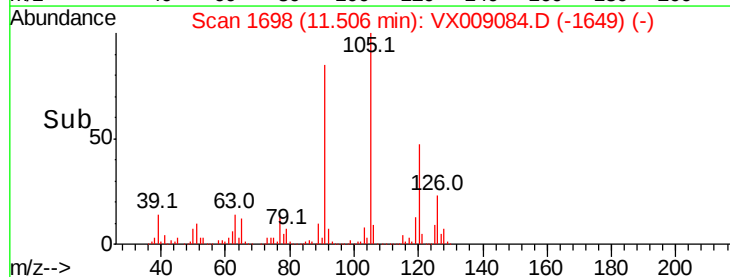
200000

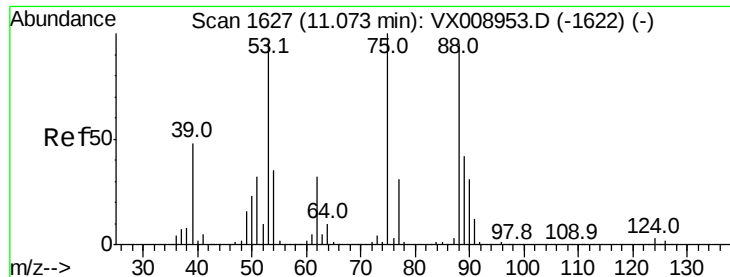
100000

0

11.50 11.51 11.60

Time-->





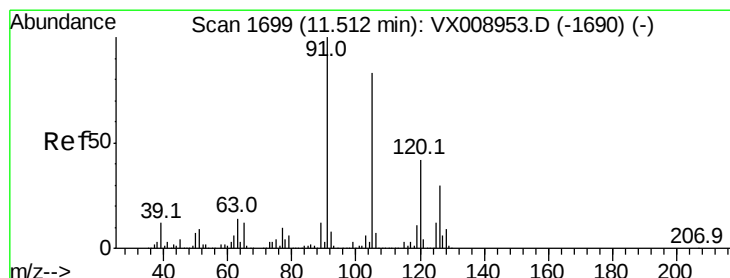
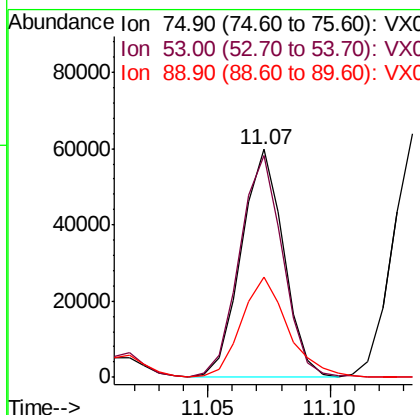
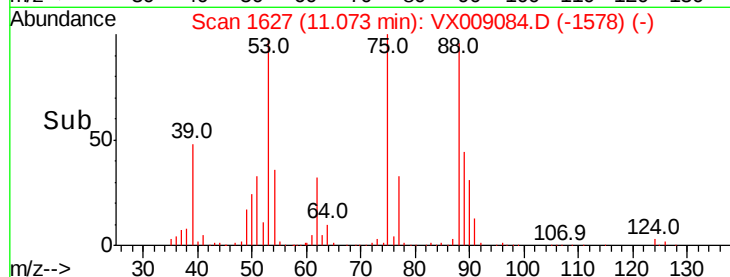
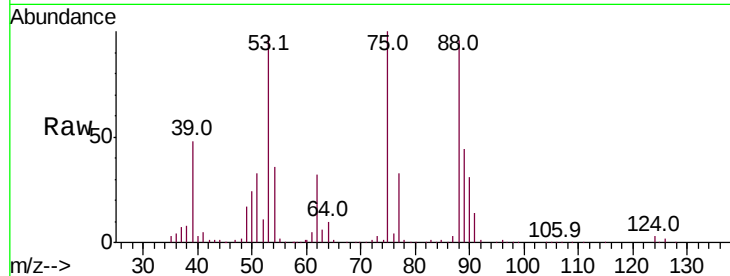
#81
trans-1,4-Dichloro-2-butene
Concen: 49.228 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	78.2	117.4
89	48.3	36.0	54.0

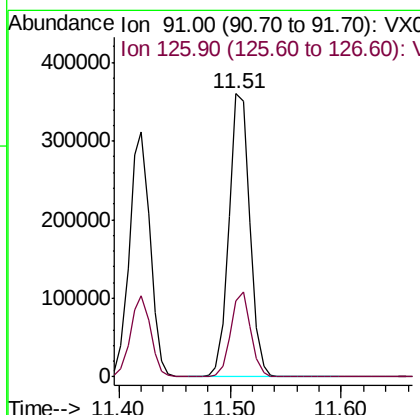
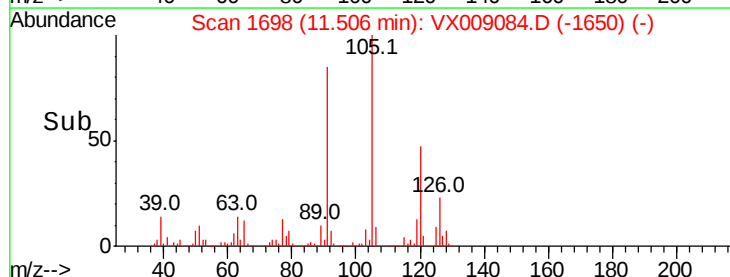
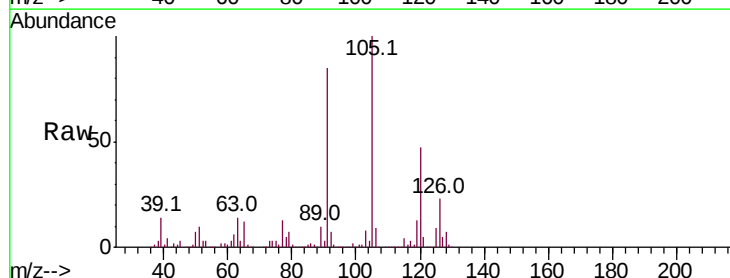
Manual Integrations
APPROVED

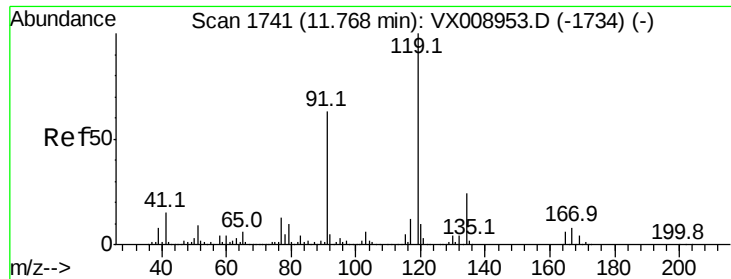
MMDadoda
4/23/2019 10:30:42 AM



#82
4-Chlorotoluene
Concen: 49.603 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.3	42.9





#83

tert-Butylbenzene

Concen: 50.101 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

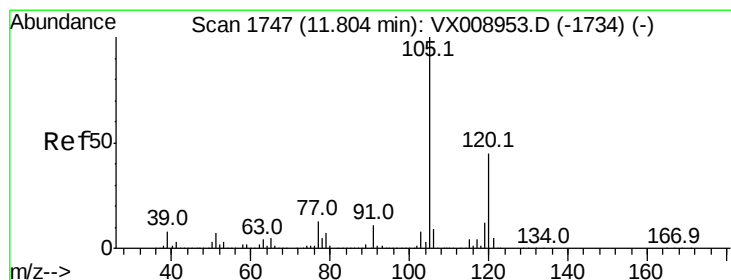
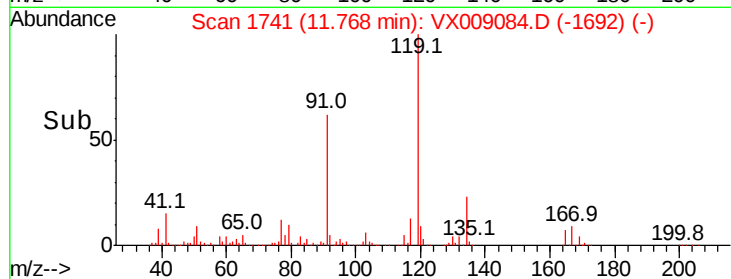
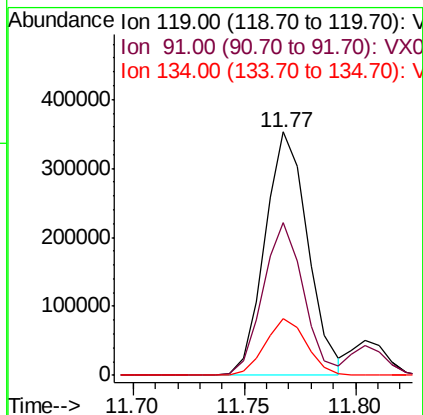
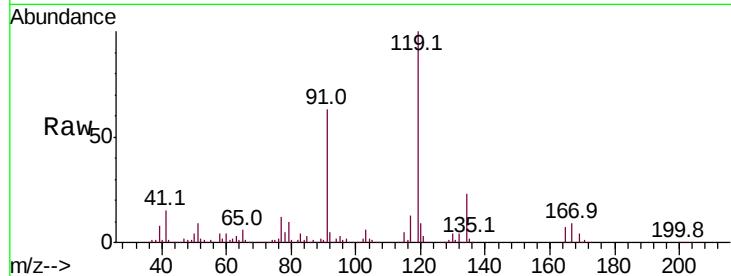
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	471748
Ion Ratio	Lower	Upper	
119	100		
91	59.7	29.7	89.1
134	22.5	11.2	33.5

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#84

1,2,4-Trimethylbenzene

Concen: 50.507 ug/l

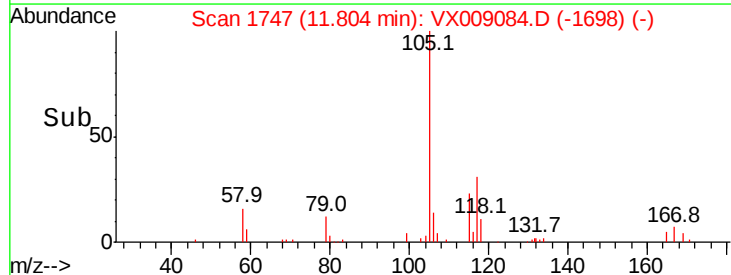
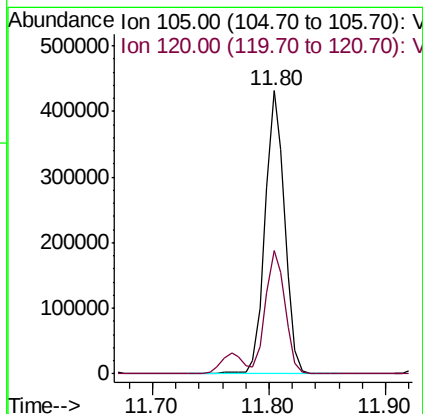
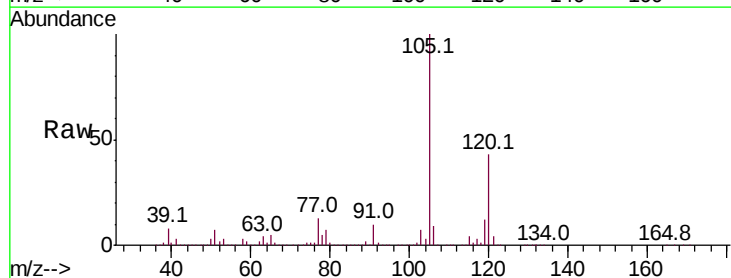
RT: 11.80 min Scan# 1747

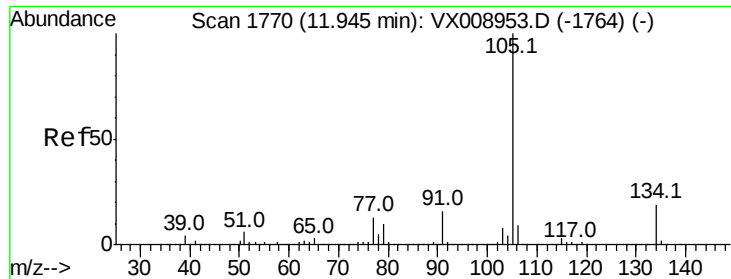
Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	105	Resp:	504210
Ion Ratio	Lower	Upper	
105	100		
120	43.4	21.9	65.8





#85

sec-Butylbenzene

Concen: 51.290 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 575986

Ion Ratio Lower Upper

105 100

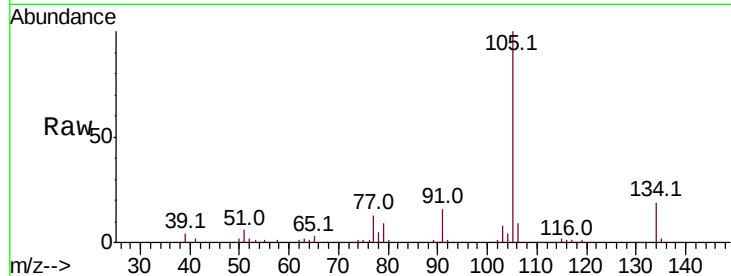
134 19.3 9.6 28.6

Manual Integrations

APPROVED

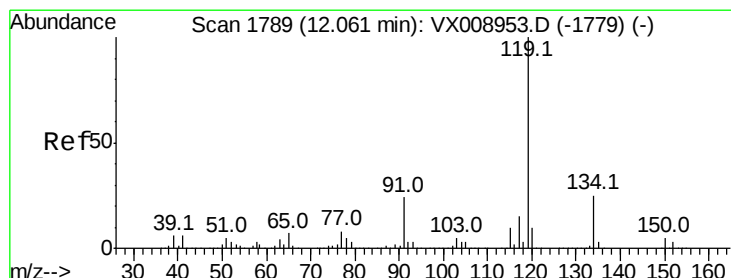
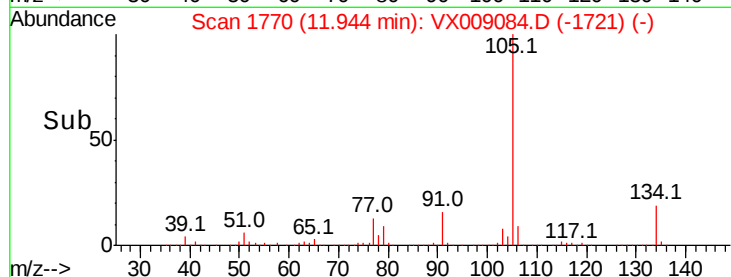
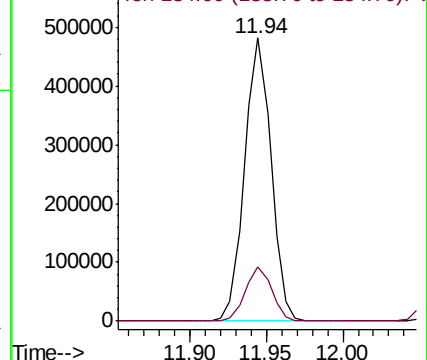
MMDadoda

4/23/2019 10:30:42 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.206 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

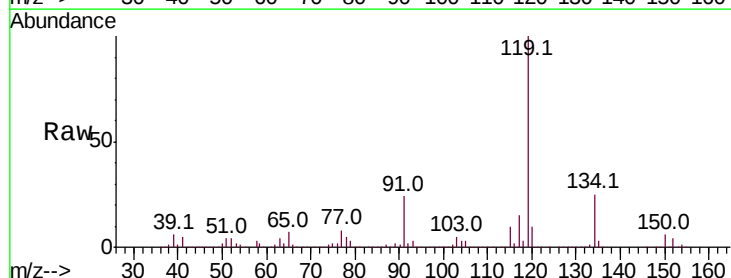
Tgt Ion:119 Resp: 528683

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

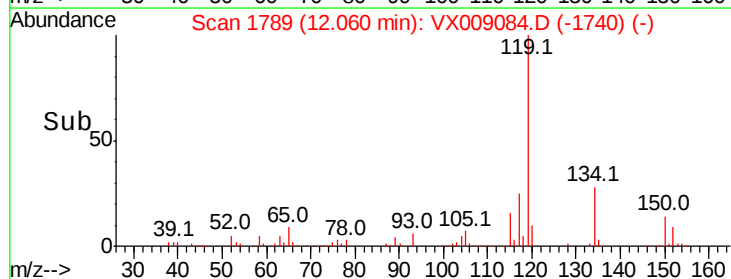
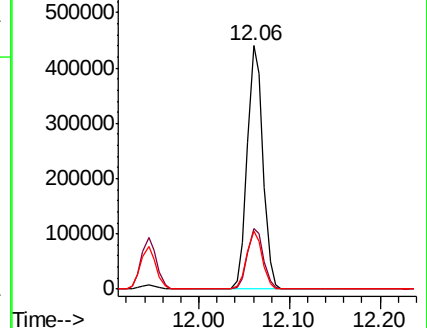
91 23.7 11.9 35.5

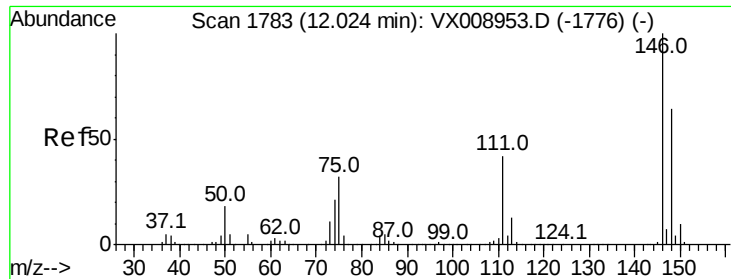


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.838 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

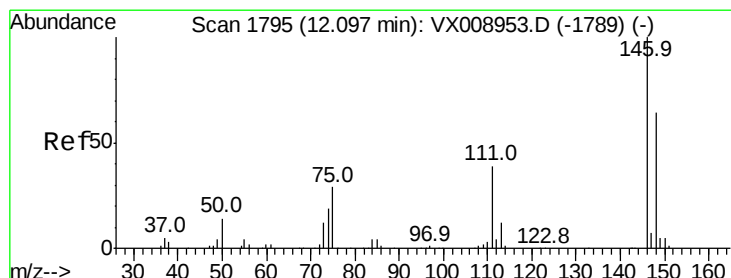
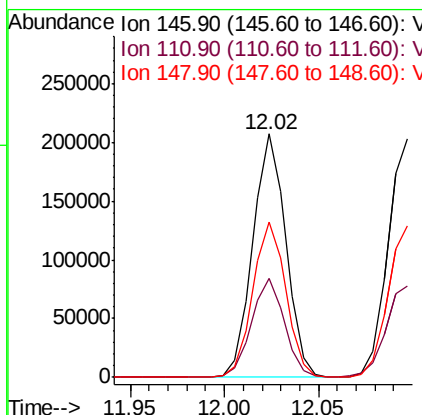
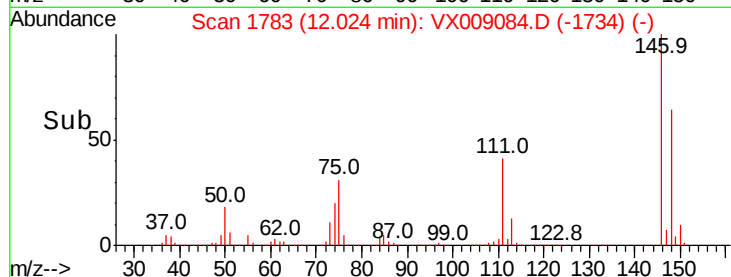
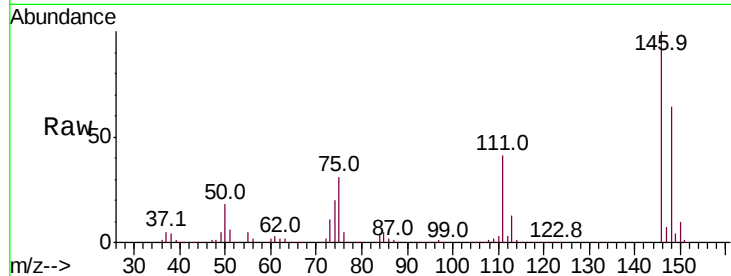
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	252052
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.5	61.6
148	64.0	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#88

1,4-Dichlorobenzene

Concen: 48.018 ug/l

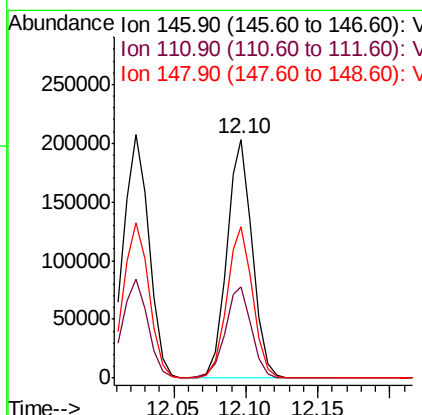
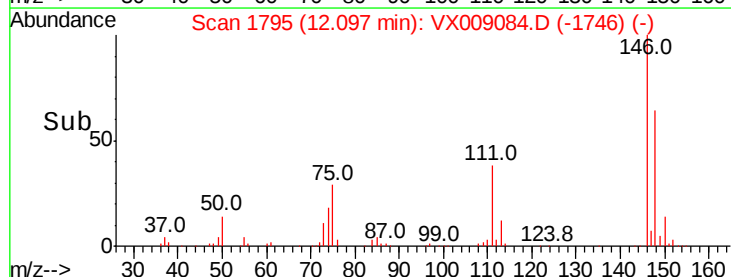
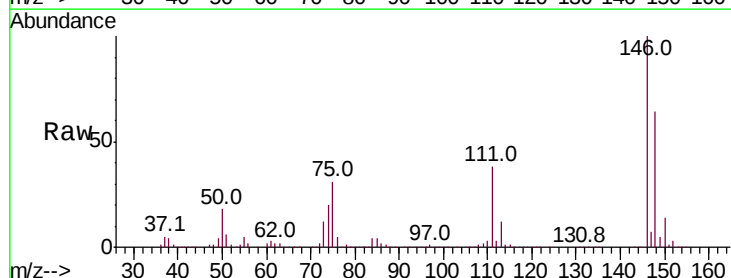
RT: 12.10 min Scan# 1795

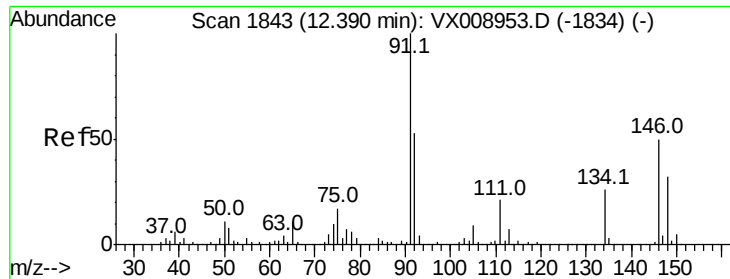
Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	146	Resp:	251216
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.0	59.9
148	64.1	32.2	96.6





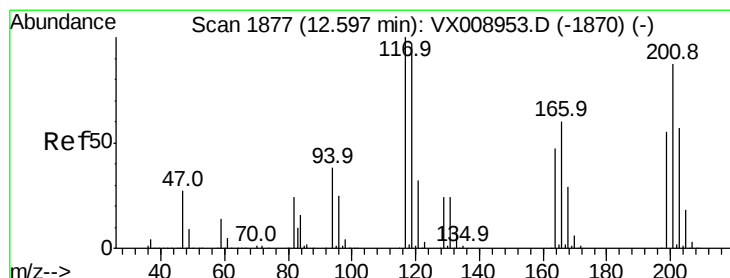
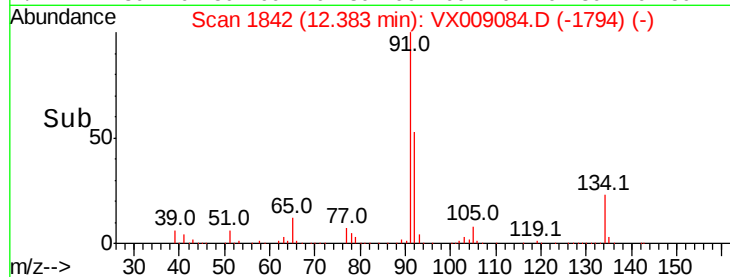
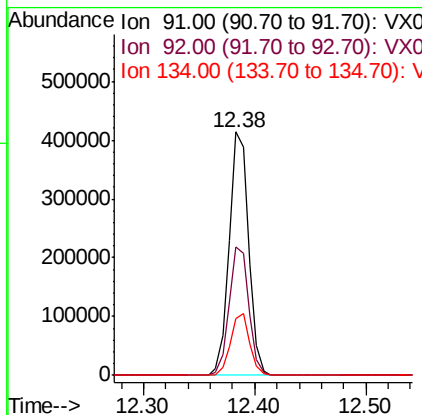
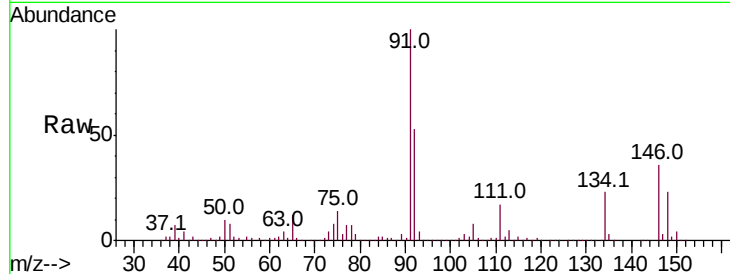
#89
n-Butylbenzene
Concen: 51.854 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	24.9	12.4	37.2

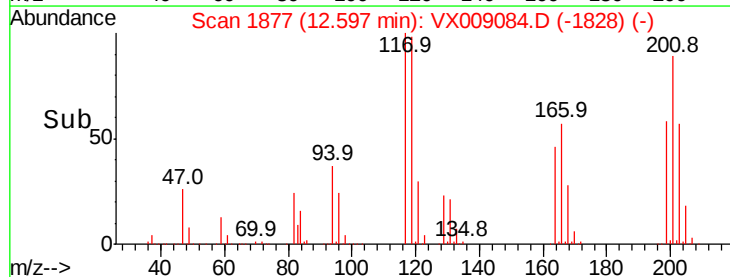
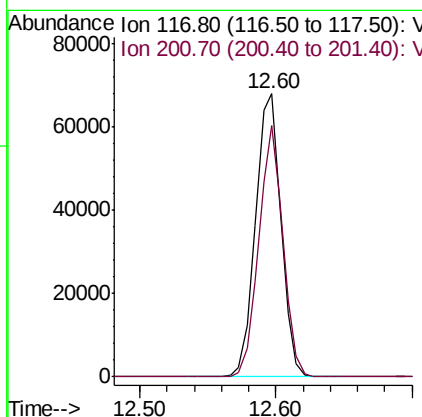
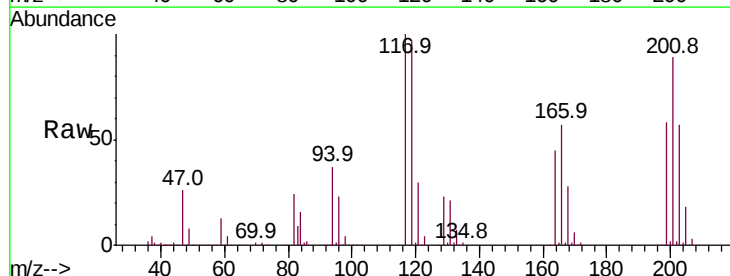
Manual Integrations
APPROVED

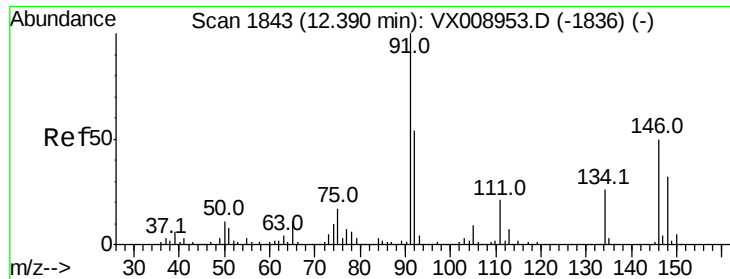
MMDadoda
4/23/2019 10:30:42 AM



#90
Hexachloroethane
Concen: 52.626 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009084.D
Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	43.0	129.0





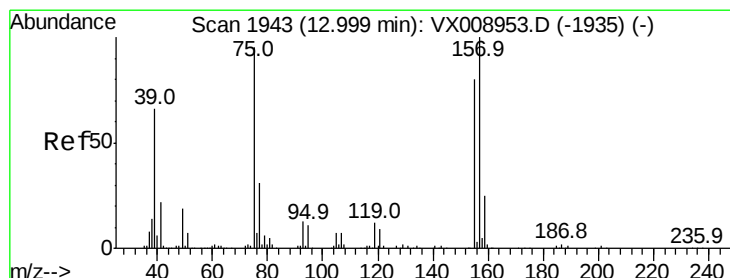
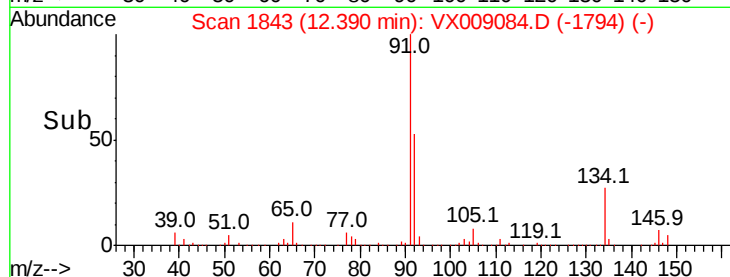
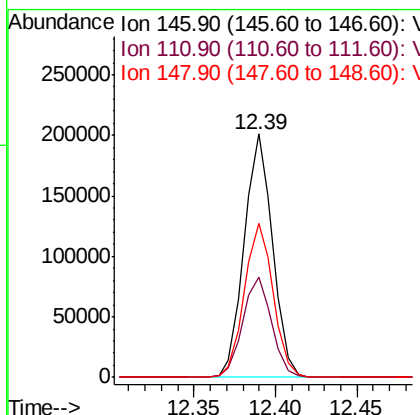
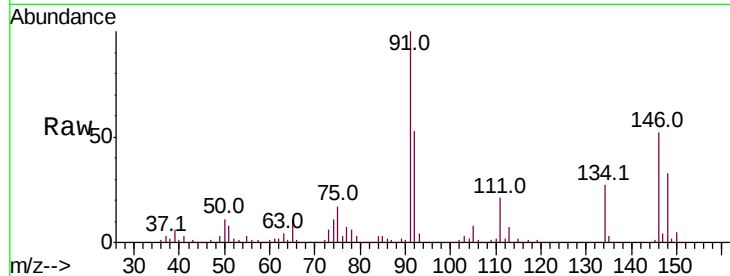
#91
 1,2-Dichlorobenzene
 Concen: 48.014 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.6	61.9
148	64.2	32.0	96.2

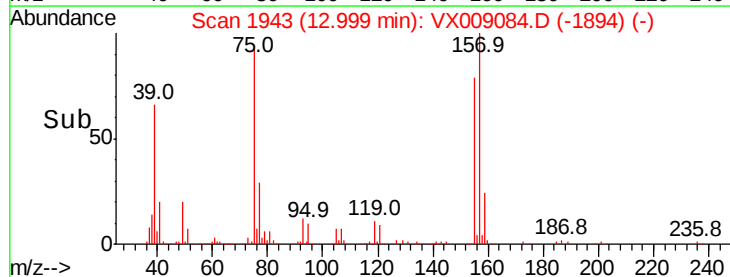
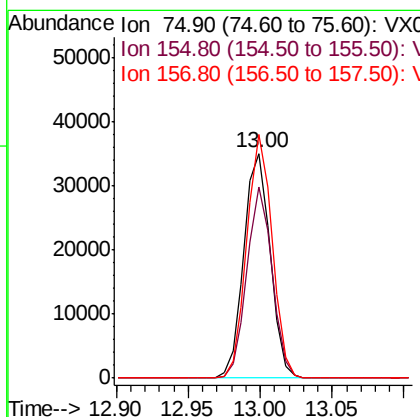
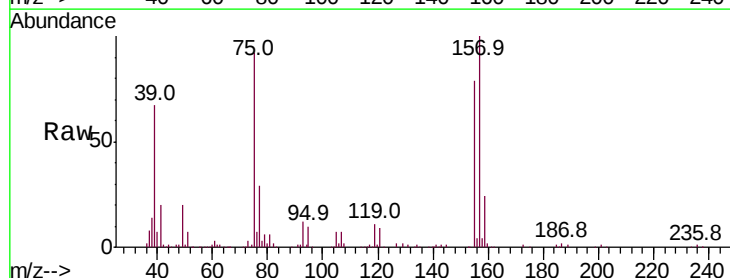
Manual Integrations
 APPROVED

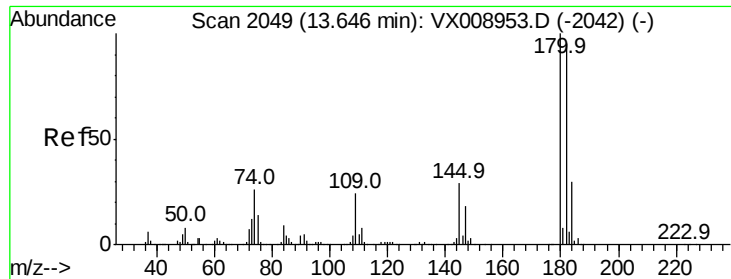
MMDadoda
 4/23/2019 10:30:42 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.687 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.2	123.6
157	104.6	52.5	157.6





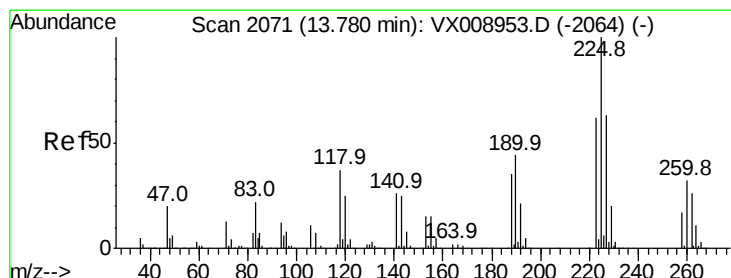
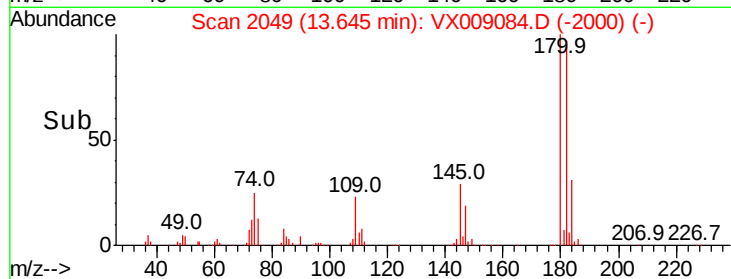
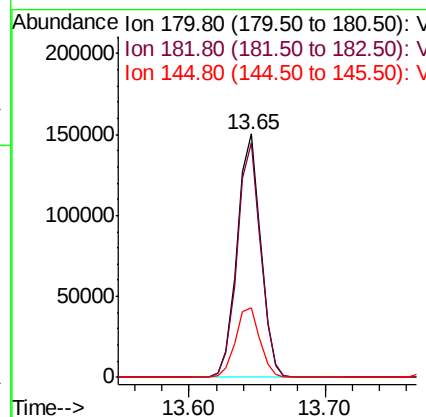
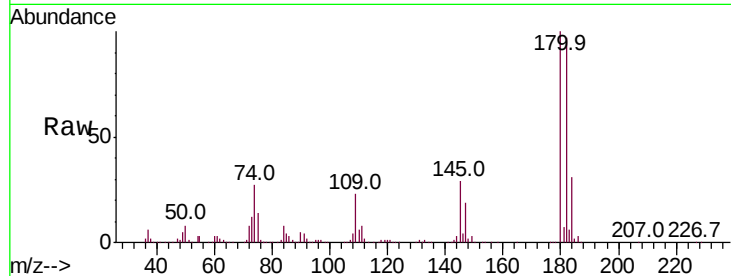
#93
 1,2,4-Trichlorobenzene
 Concen: 49.114 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.2	47.6	142.9	
145	29.5	14.8	44.4	

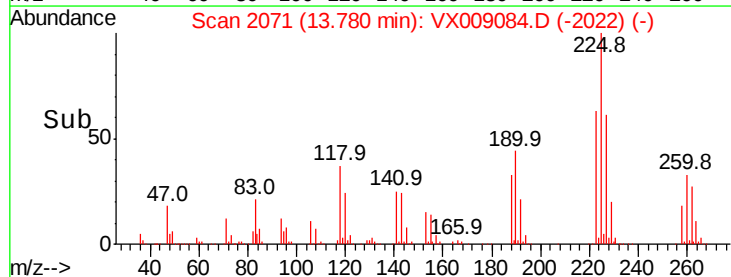
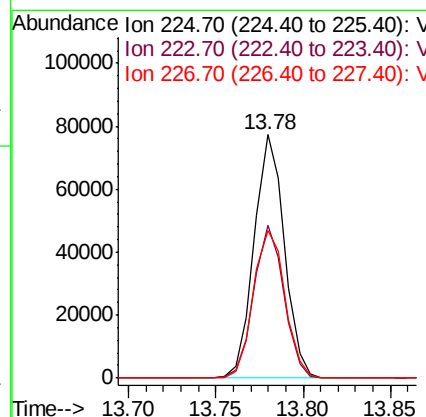
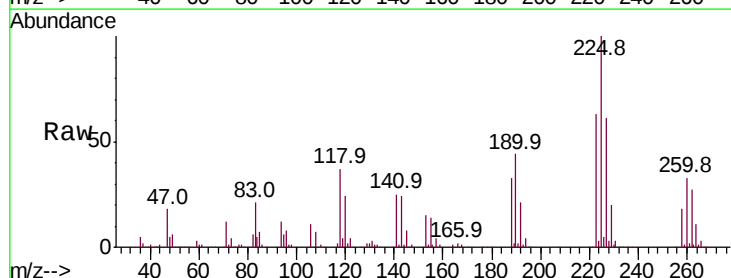
Manual Integrations
 APPROVED

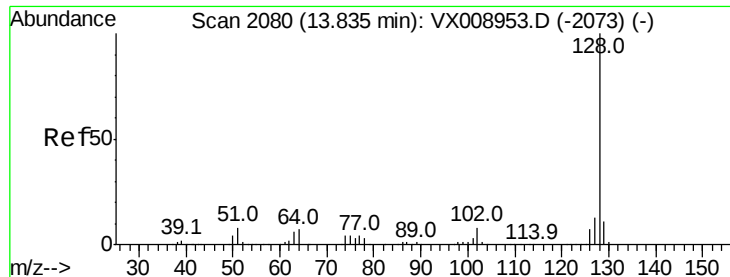
MMDadoda
 4/23/2019 10:30:42 AM



#94
 Hexachlorobutadiene
 Concen: 50.657 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009084.D
 Acq: 22 Apr 2019 09:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.1	93.2	
227	63.3	32.0	96.2	





#95

Naphthalene

Concen: 48.032 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Instrument :

MSVOA_X

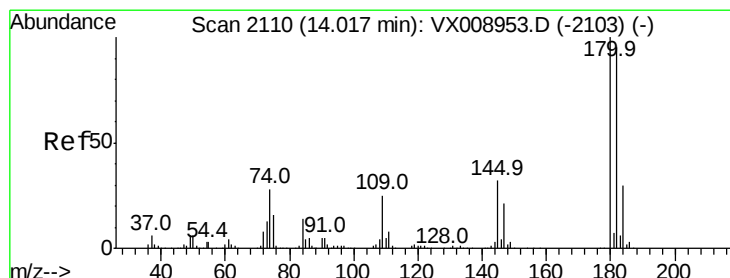
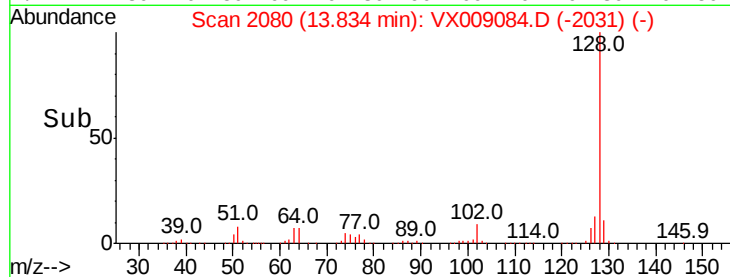
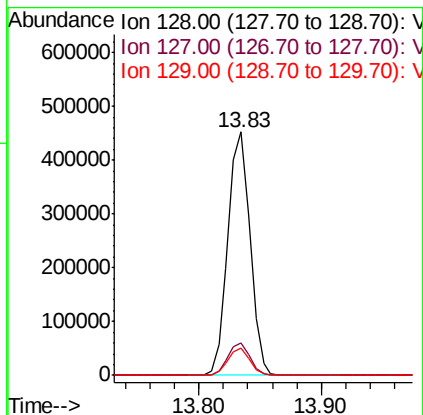
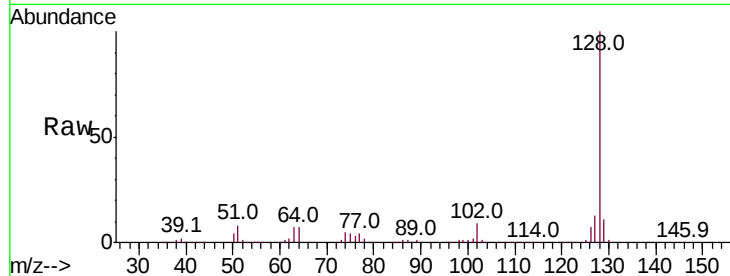
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	566120
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/23/2019 10:30:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.302 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009084.D

Acq: 22 Apr 2019 09:51

Tgt Ion:	180	Resp:	178957
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.4
145	30.9	15.8	47.3

