

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014834.D
 Acq On : 05 Feb 2020 19:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:11 PM

Quant Time: Feb 06 03:28:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	415861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	626925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	577612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	296669	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	228982	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	5.49	113	187260	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
50) Toluene-d8	8.71	98	708534	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	11.13	95	258206	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	227901	40.926	ug/l	99
3) Chloromethane	1.32	50	237536	42.222	ug/l	99
4) Vinyl Chloride	1.40	62	274952	45.201	ug/l	99
5) Bromomethane	1.63	94	168581	40.802	ug/l	95
6) Chloroethane	1.72	64	155642	44.572	ug/l	95
7) Trichlorofluoromethane	1.92	101	321768	45.429	ug/l	98
8) Diethyl Ether	2.18	74	142299	46.029	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	190344	45.779	ug/l	98
10) Methyl Iodide	2.50	142	270318	49.547	ug/l	99
11) Tert butyl alcohol	3.03	59	239303	219.486	ug/l	99
12) 1,1-Dichloroethene	2.37	96	188307	45.550	ug/l	96
13) Acrolein	2.28	56	212813	247.554	ug/l	99
14) Allyl chloride	2.72	41	342672	46.116	ug/l	98
15) Acrylonitrile	3.13	53	590245	233.977	ug/l	99
16) Acetone	2.43	43	514291	193.263	ug/l	99
17) Carbon Disulfide	2.56	76	448129	39.662	ug/l	99
18) Methyl Acetate	2.76	43	372668	49.053	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	676727	49.977	ug/l	98
20) Methylene Chloride	2.85	84	221384	44.951	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	201656	44.302	ug/l	99
22) Diisopropyl ether	3.84	45	709783	48.011	ug/l	98
23) Vinyl Acetate	3.80	43	2505752	222.349	ug/l	100
24) 1,1-Dichloroethane	3.69	63	381062	47.463	ug/l	99
25) 2-Butanone	4.65	43	824627	216.247	ug/l	98
26) 2,2-Dichloropropane	4.58	77	302733	47.109	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	243676	47.832	ug/l	97
28) Bromochloromethane	5.01	49	154129	43.687	ug/l	95
29) Tetrahydrofuran	5.11	42	519911	229.714	ug/l	98
30) Chloroform	5.20	83	379506	47.717	ug/l	99
31) Cyclohexane	5.57	56	336195	44.521	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	326253	48.530	ug/l	98
36) 1,1-Dichloropropene	5.79	75	277655	47.663	ug/l	98
37) Ethyl Acetate	4.82	43	317721	47.620	ug/l	99
38) Carbon Tetrachloride	5.78	117	274201	49.286	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014834.D
 Acq On : 05 Feb 2020 19:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/6/2020 1:32:11 PM

Quant Time: Feb 06 03:28:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	335228	45.935	ug/l	96
40) Benzene	6.14	78	856408	47.580	ug/l	98
41) Methacrylonitrile	5.03	41	178876	46.978	ug/l	97
42) 1,2-Dichloroethane	6.18	62	309027	49.718	ug/l	99
43) Isopropyl Acetate	6.43	43	533457	48.826	ug/l	99
44) Trichloroethene	7.21	130	244092	48.011	ug/l	98
45) 1,2-Dichloropropane	7.51	63	225302	48.588	ug/l	99
46) Dibromomethane	7.65	93	149591	49.811	ug/l	98
47) Bromodichloromethane	7.89	83	296513	50.340	ug/l	99
48) Methyl methacrylate	7.76	41	261631	50.118	ug/l	97
49) 1,4-Dioxane	7.73	88	93816	847.809	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1653125	239.730	ug/l	99
52) Toluene	8.78	92	549124	49.631	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	329951	52.023	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	362064	51.892	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	227230	50.162	ug/l	98
56) Ethyl methacrylate	9.17	69	366269	47.775	ug/l	99
57) 1,3-Dichloropropane	9.37	76	379562	49.015	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	575027	252.410	ug/l	98
59) 2-Hexanone	9.48	43	1257364	234.977	ug/l	98
60) Dibromochloromethane	9.57	129	244591	51.729	ug/l	99
61) 1,2-Dibromoethane	9.67	107	238653	49.828	ug/l	100
64) Tetrachloroethene	9.33	164	305671	53.461	ug/l	96
65) Chlorobenzene	10.14	112	600969	48.643	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	227816	50.011	ug/l	99
67) Ethyl Benzene	10.25	91	1054299	49.977	ug/l	99
68) m/p-Xylenes	10.35	106	805009	100.727	ug/l	100
69) o-Xylene	10.70	106	392018	50.809	ug/l	99
70) Styrene	10.71	104	677090	52.316	ug/l	100
71) Bromoform	10.85	173	192185	53.052	ug/l #	98
73) Isopropylbenzene	11.01	105	1043612	50.030	ug/l	100
74) N-amyl acetate	10.89	43	472403	51.679	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	333997	44.844	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	287796m	41.696	ug/l	
77) Bromobenzene	11.25	156	273722	48.845	ug/l	97
78) n-propylbenzene	11.35	91	1181594	49.903	ug/l	100
79) 2-Chlorotoluene	11.42	91	696085	48.587	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	868988	50.193	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	115181	47.490	ug/l	99
82) 4-Chlorotoluene	11.51	91	807347	49.500	ug/l	99
83) tert-Butylbenzene	11.76	119	784402	48.216	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	885022	50.964	ug/l	100
85) sec-Butylbenzene	11.94	105	1011295	50.743	ug/l	99
86) p-Isopropyltoluene	12.06	119	932270	50.617	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	488978	48.552	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	488734	48.446	ug/l	99
89) n-Butylbenzene	12.39	91	816590	50.905	ug/l	99
90) Hexachloroethane	12.59	117	163102	47.676	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	491289	49.116	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	75888	47.424	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020520\
Data File : VX014834.D
Acq On : 05 Feb 2020 19:47
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

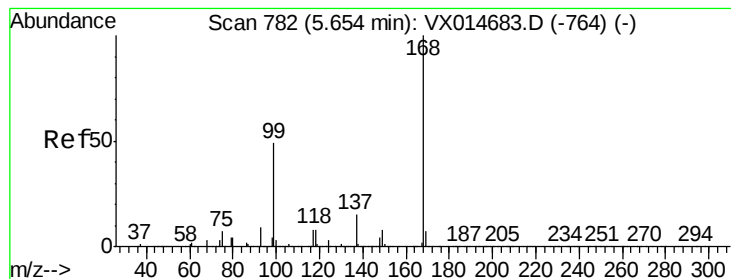
Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM

Quant Time: Feb 06 03:28:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	347804	53.932	ug/l	98
94) Hexachlorobutadiene	13.78	225	164631	49.600	ug/l	99
95) Naphthalene	13.83	128	1060702	50.986	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	342842	52.576	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 415861

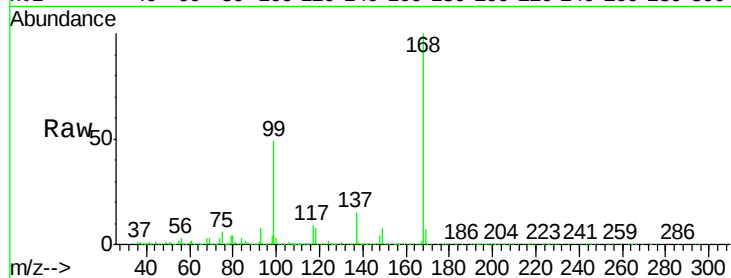
Ion Ratio Lower Upper

168 100

99 48.9 39.8 59.6

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

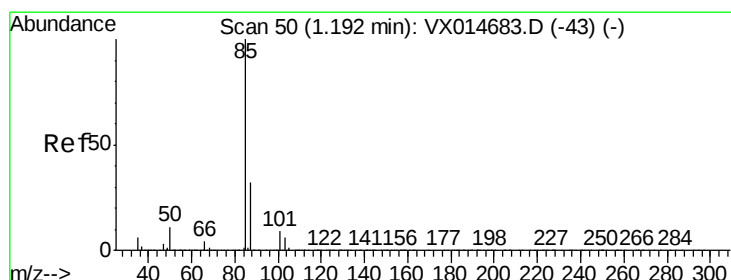
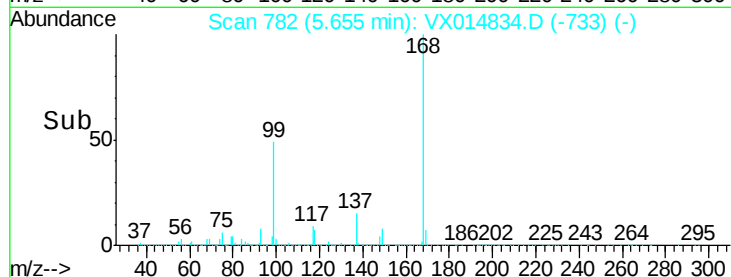
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.926 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014834.D

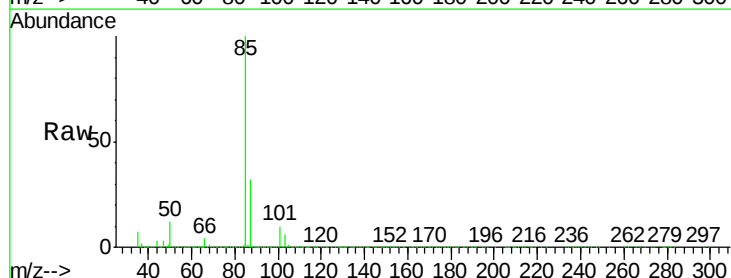
Acq: 05 Feb 2020 19:47

Tgt Ion: 85 Resp: 227901

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

250000

200000

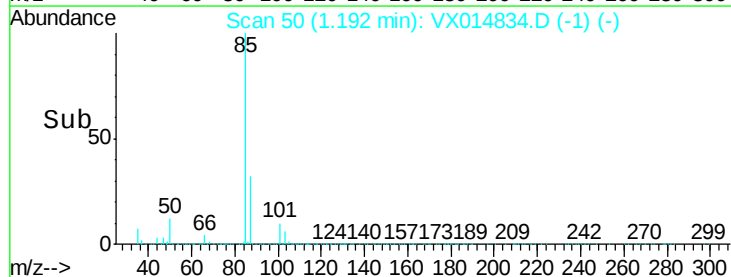
150000

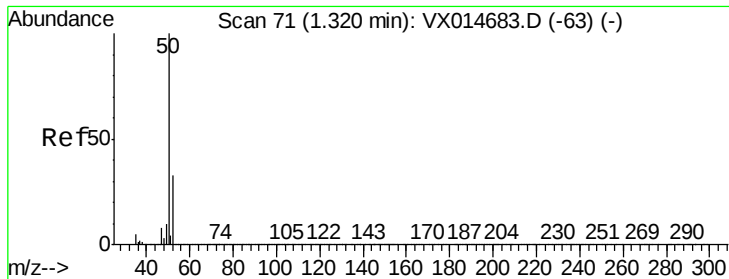
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.222 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 237536

Ion Ratio Lower Upper

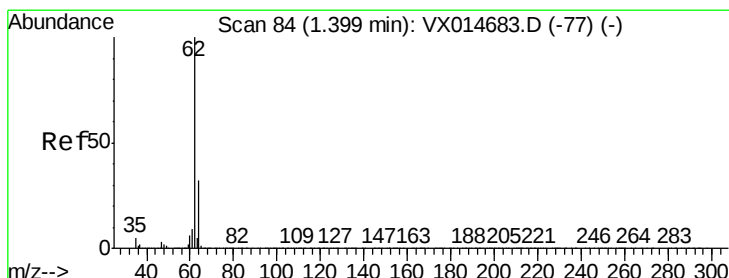
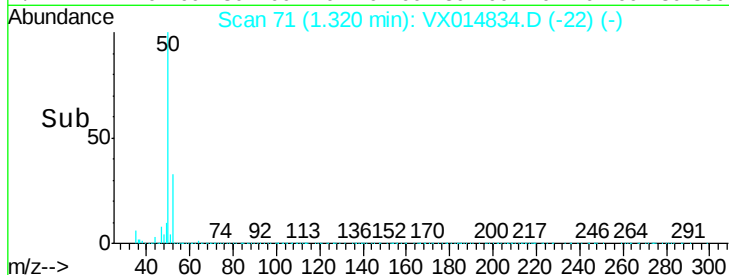
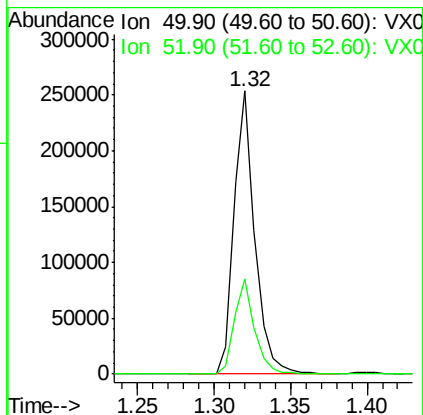
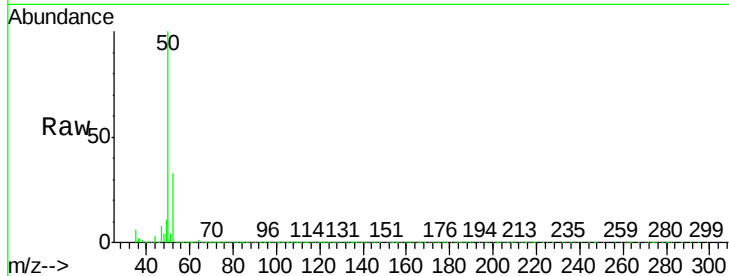
50 100

52 33.4 26.2 39.2

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#4

Vinyl Chloride

Concen: 45.201 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014834.D

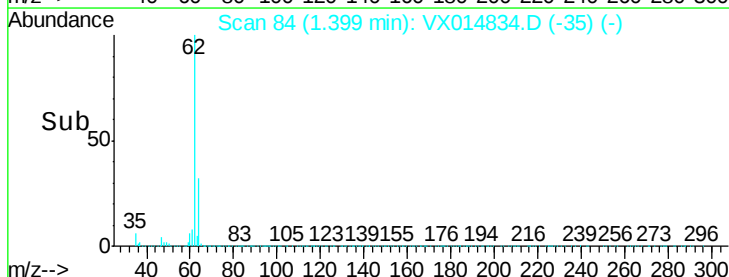
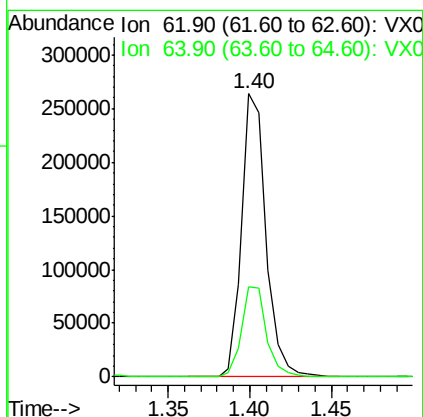
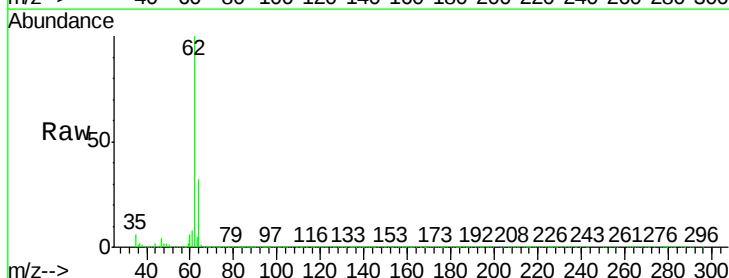
Acq: 05 Feb 2020 19:47

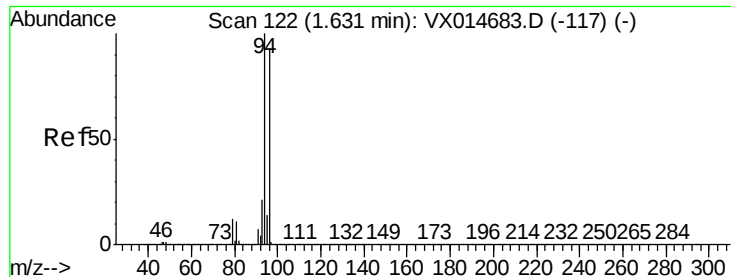
Tgt Ion: 62 Resp: 274952

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 40.802 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tot Ion: 94 Resp: 168581

Ion Ratio Lower Upper

94 100

96 97.9 74.7 112.1

Instrument :

MSVOA_X

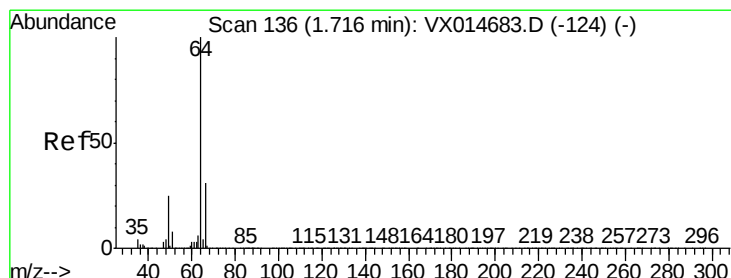
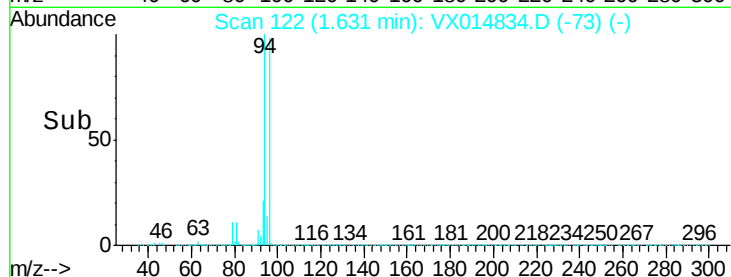
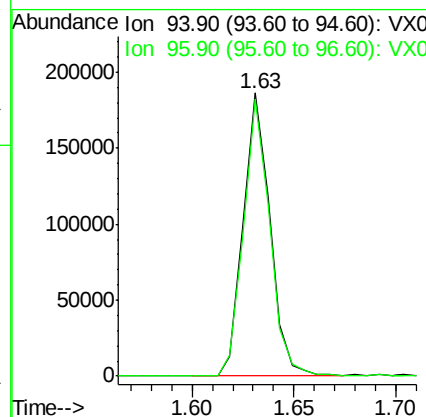
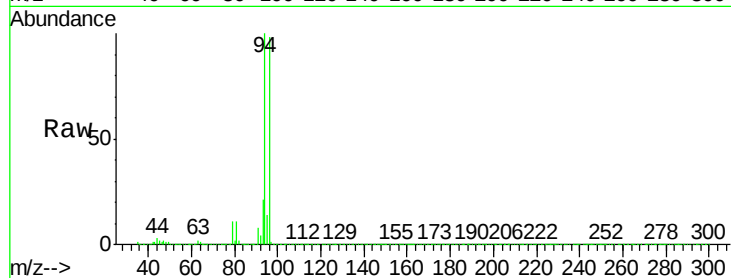
ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#6

Chloroethane

Concen: 44.572 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014834.D

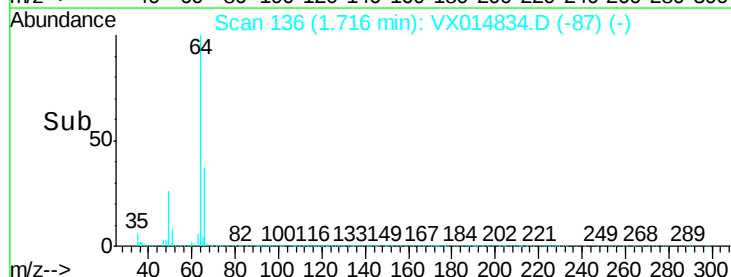
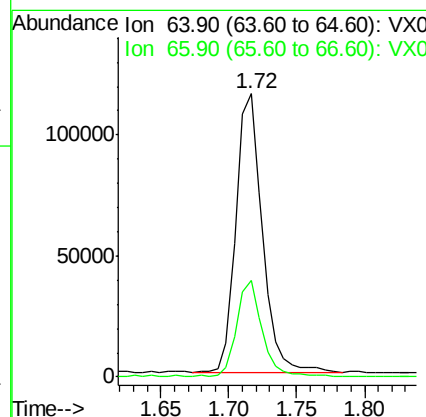
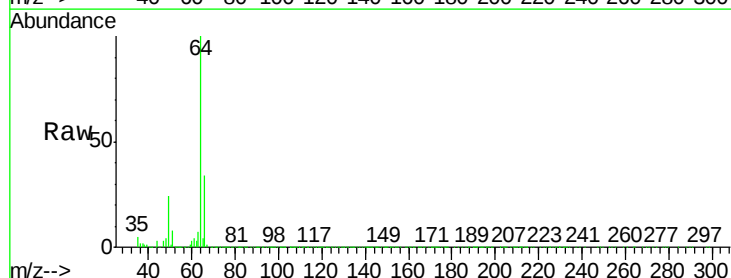
Acq: 05 Feb 2020 19:47

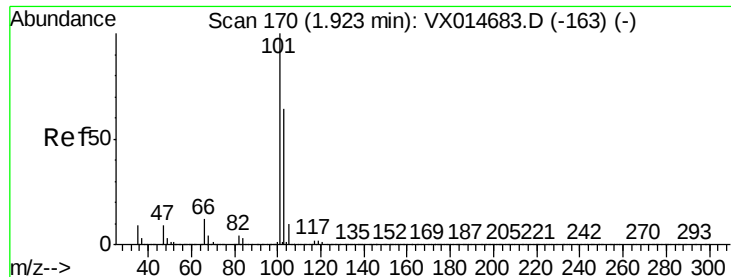
Tgt Ion: 64 Resp: 155642

Ion Ratio Lower Upper

64 100

66 34.5 25.2 37.8





#7

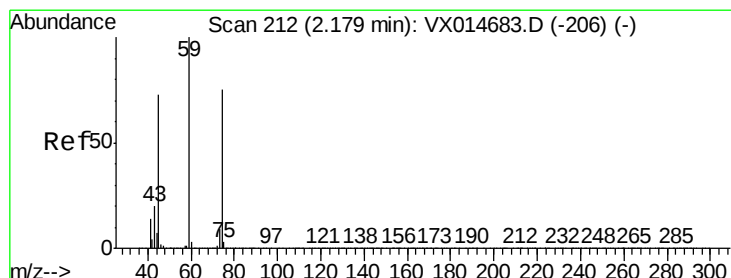
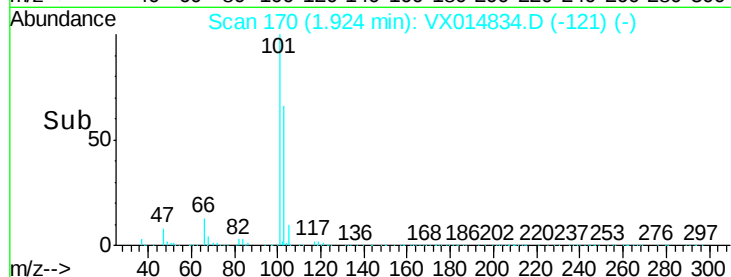
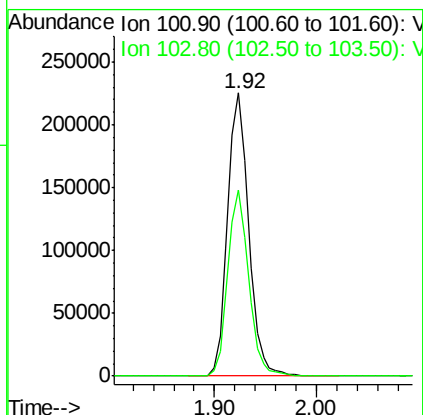
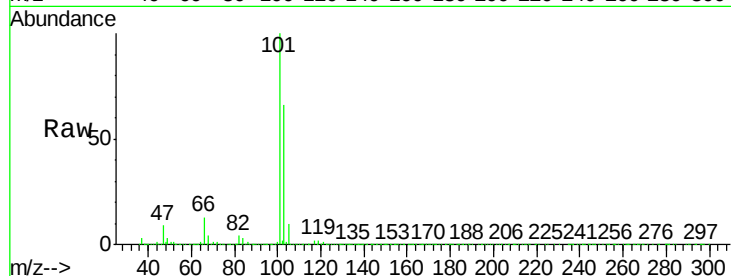
Trichlorofluoromethane
Concen: 45.429 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.0	76.6

Manual Integrations
APPROVED

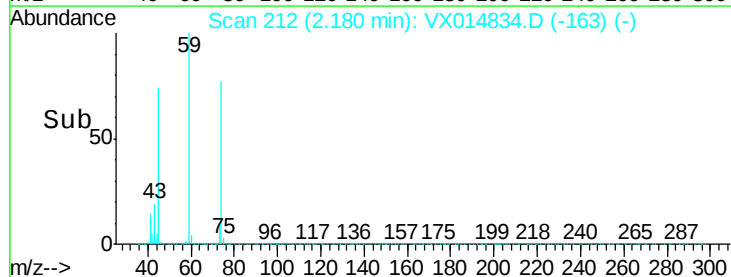
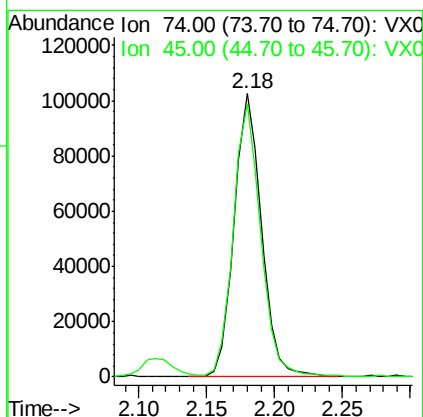
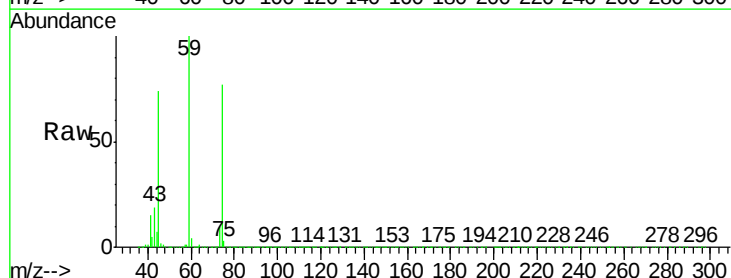
MMDadoda
2/6/2020 1:32:11 PM

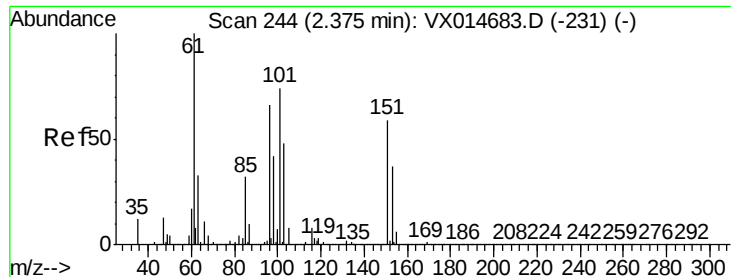


#8

Diethyl Ether
Concen: 46.029 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.779 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

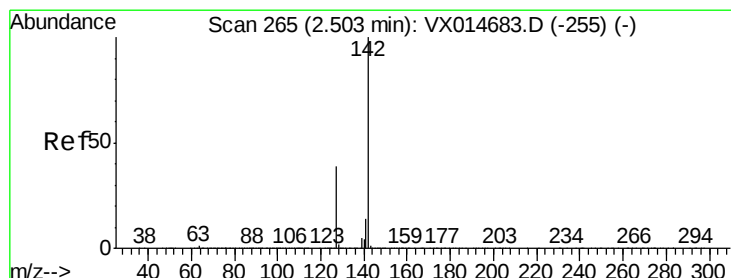
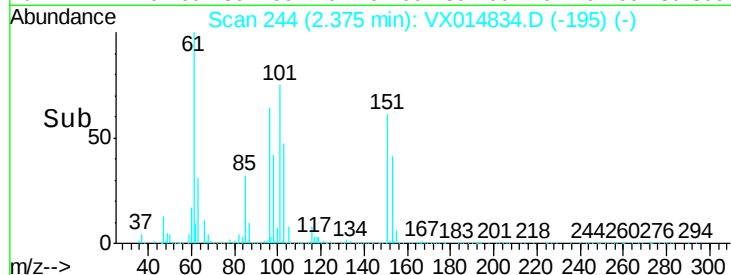
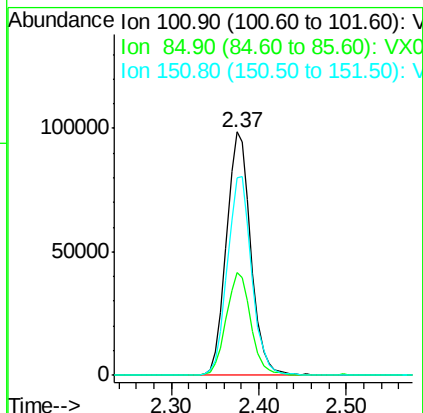
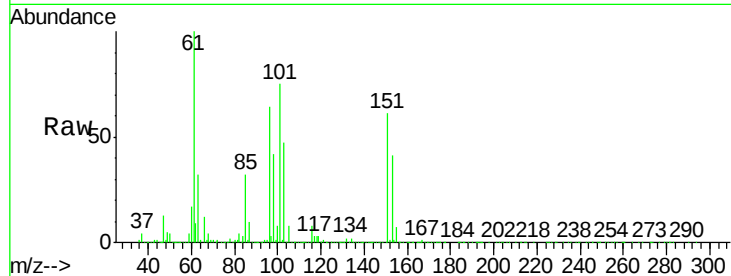
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	190344
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.7	52.1
151	82.9	64.7	97.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#10

Methyl Iodide

Concen: 49.547 ug/l

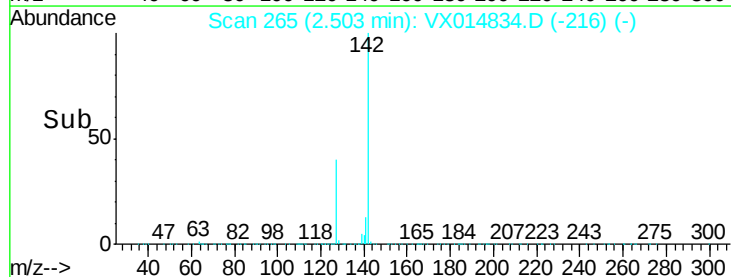
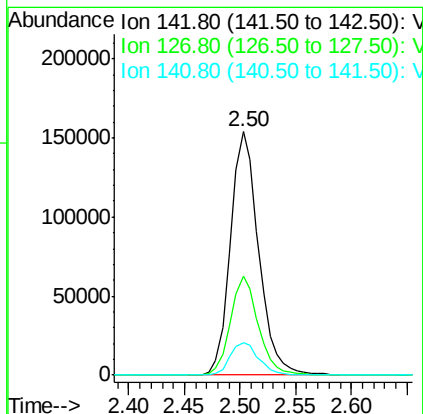
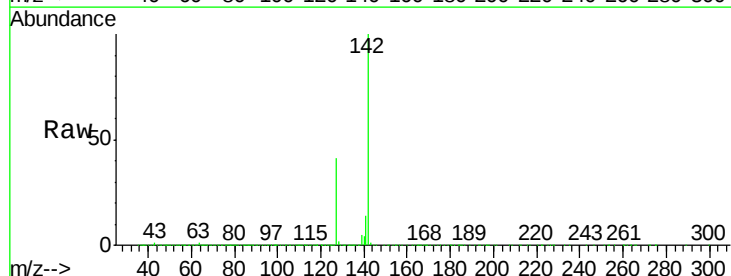
RT: 2.50 min Scan# 265

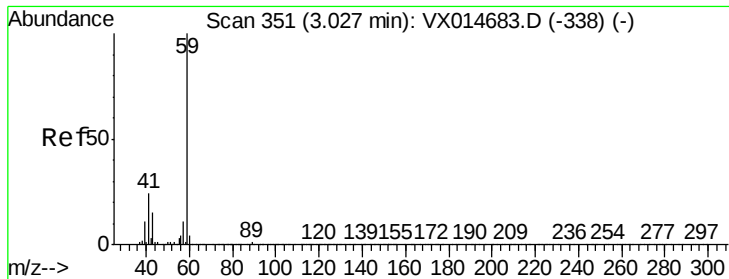
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	142	Resp:	270318
Ion Ratio	Lower	Upper	
142	100		
127	40.0	31.1	46.7
141	13.8	11.3	16.9





#11

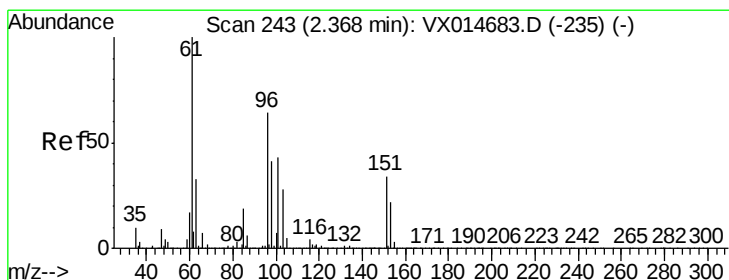
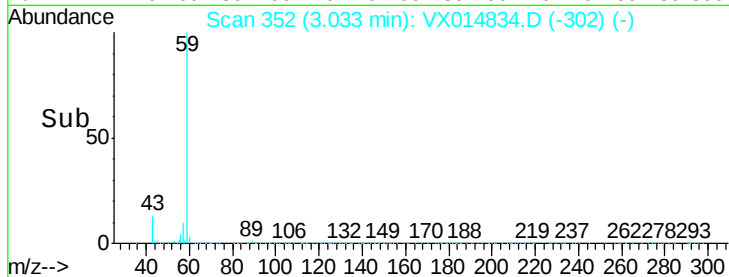
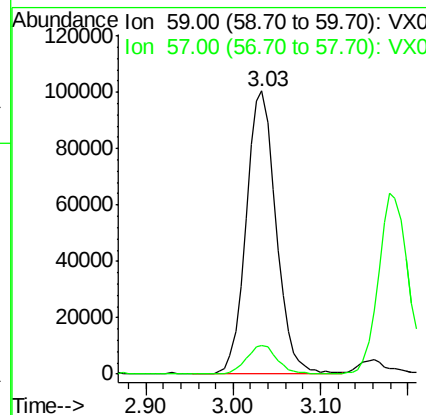
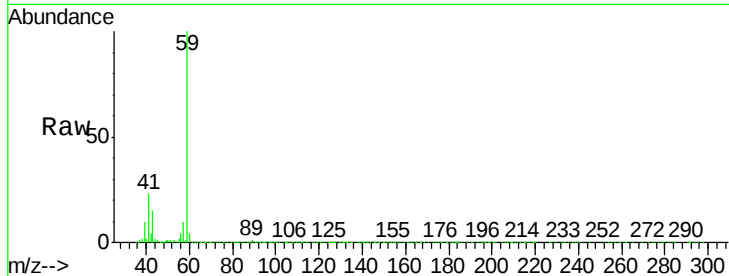
Tert butyl alcohol
Concen: 219.486 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.0	8.3	12.5

Manual Integrations
APPROVED

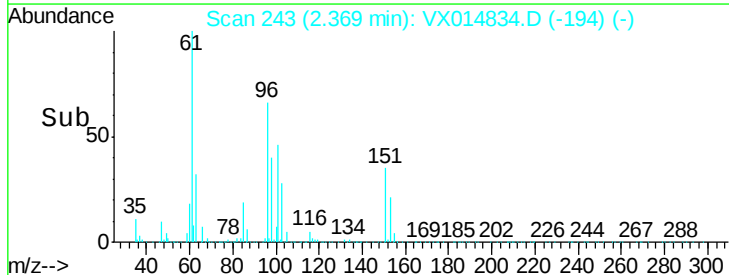
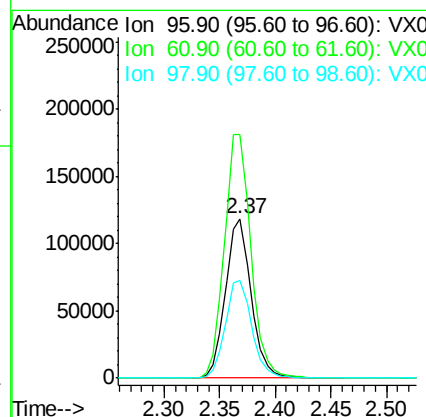
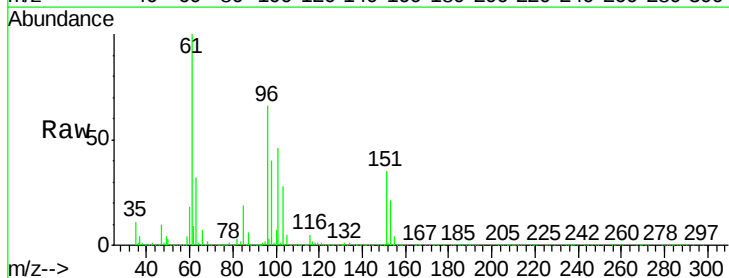
MMDadoda
2/6/2020 1:32:11 PM

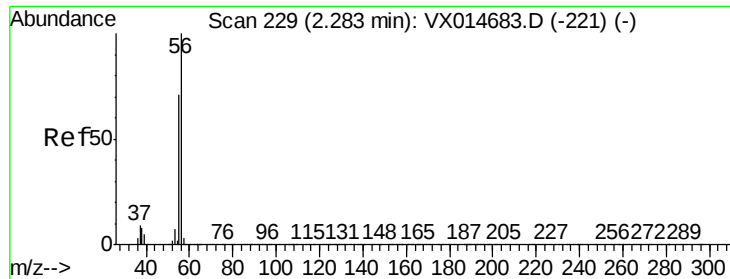


#12

1,1-Dichloroethene
Concen: 45.550 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.5	125.8	188.8
98	98	61.5	51.5	77.3





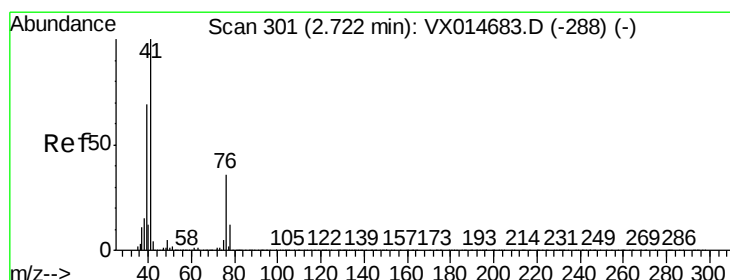
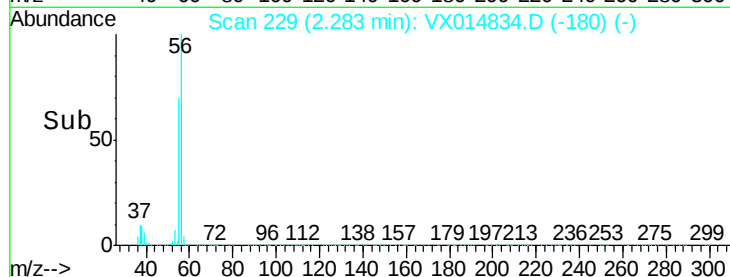
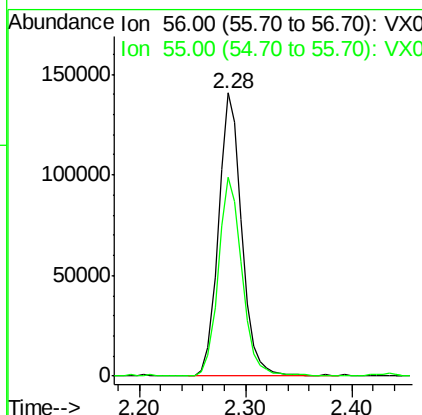
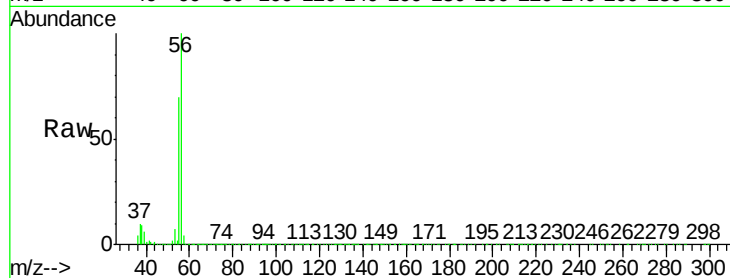
#13
Acrolein
Concen: 247.554 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.1	56.6	84.8

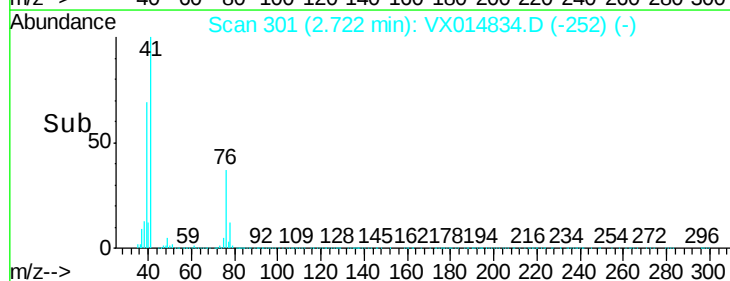
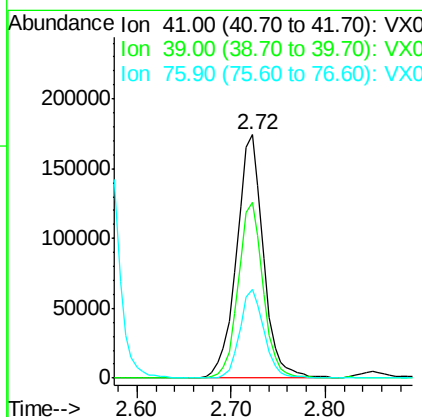
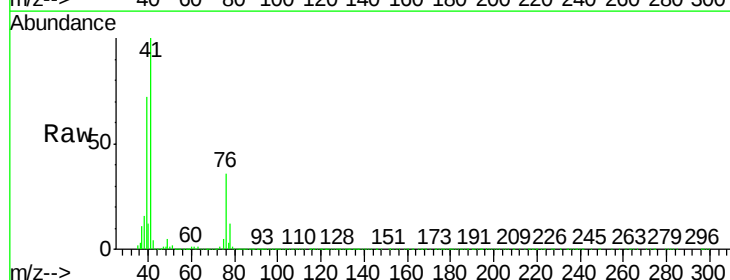
Manual Integrations
APPROVED

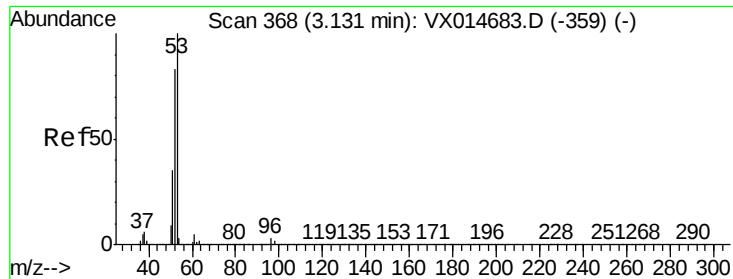
MMDadoda
2/6/2020 1:32:11 PM



#14
Allyl chloride
Concen: 46.116 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	67.1	52.0	78.0
76	76	32.6	26.0	39.0





#15

Acrylonitrile

Concen: 233.977 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

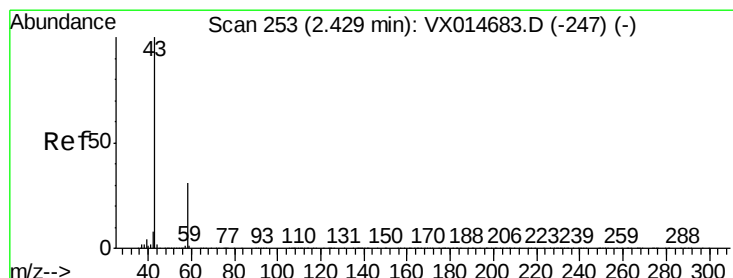
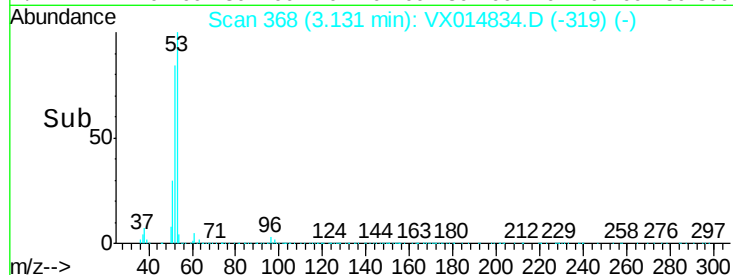
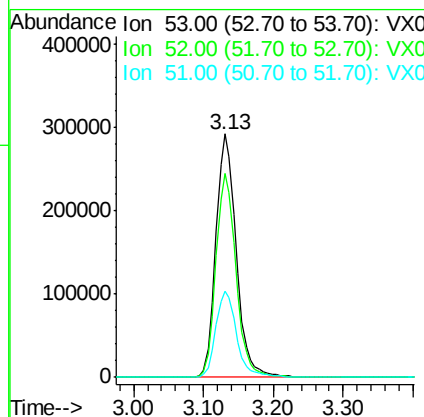
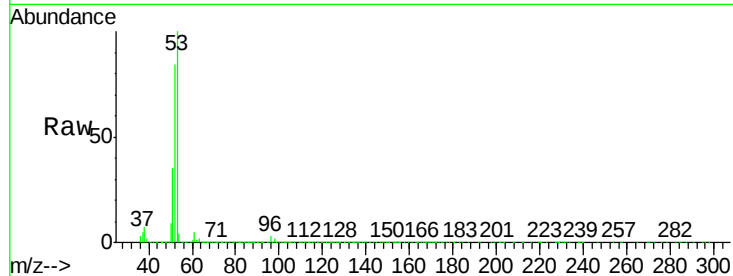
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	590245
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.4	99.6
51	36.0	28.7	43.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#16

Acetone

Concen: 193.263 ug/l

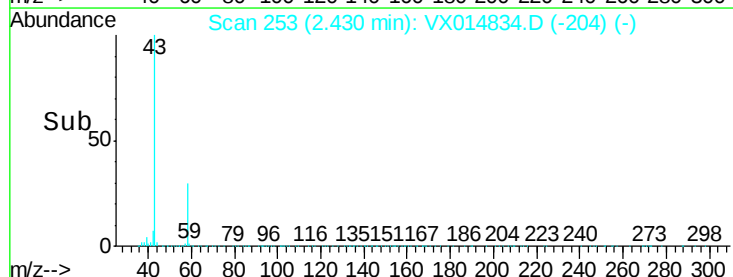
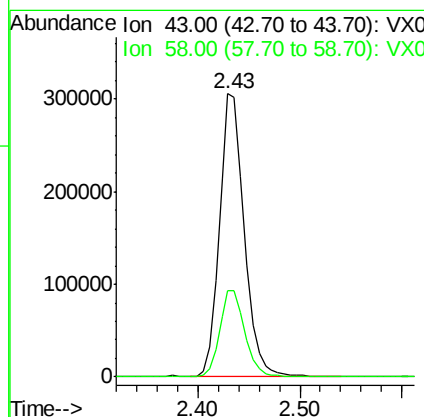
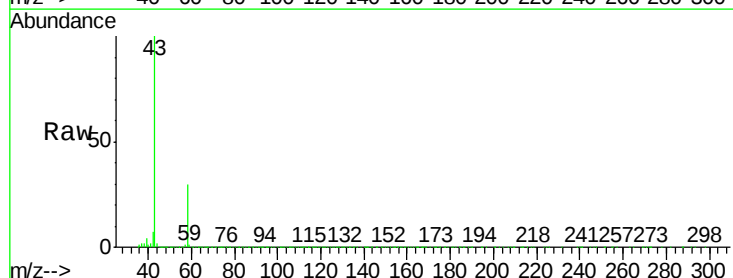
RT: 2.43 min Scan# 253

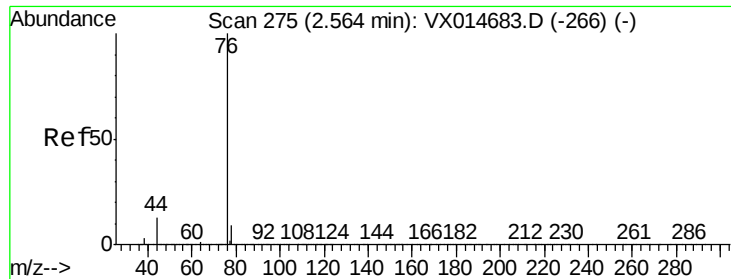
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	43	Resp:	514291
Ion Ratio	Lower	Upper	
43	100		
58	30.2	24.5	36.7





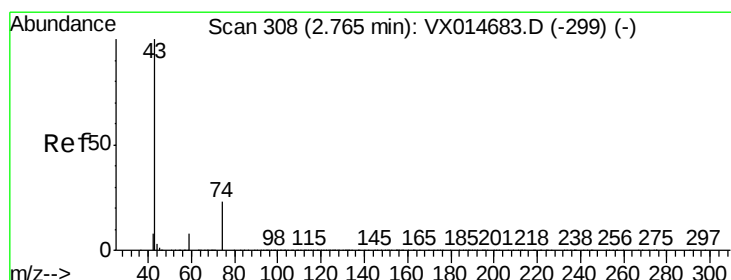
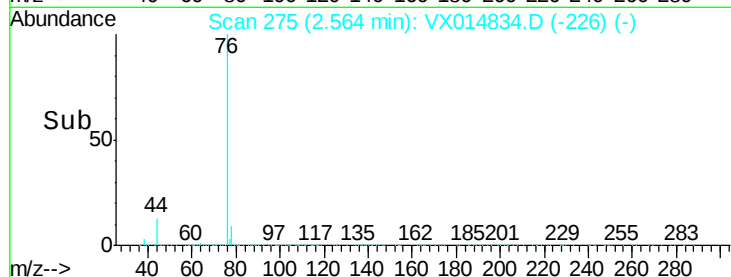
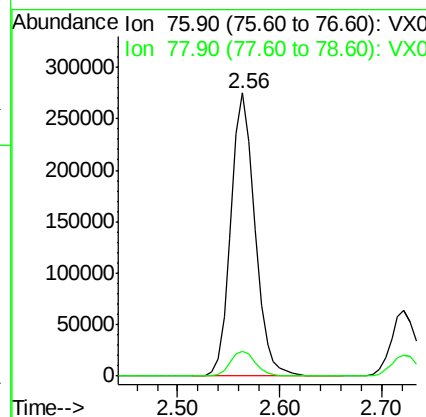
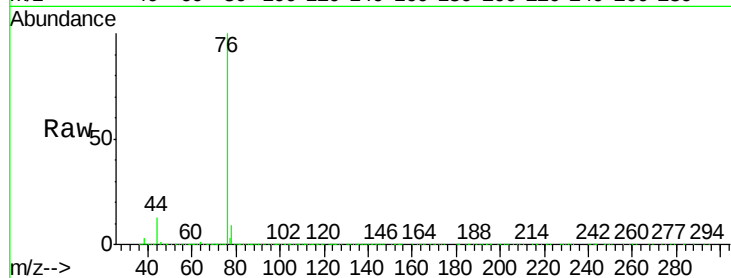
#17
Carbon Disulfide
Concen: 39.662 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

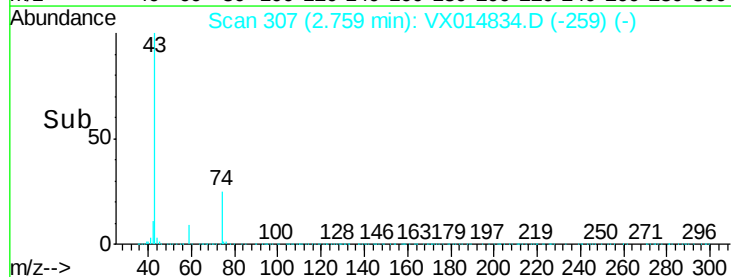
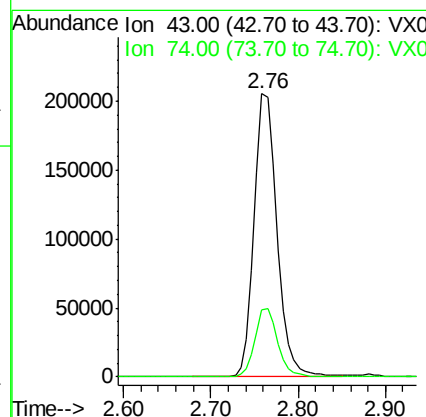
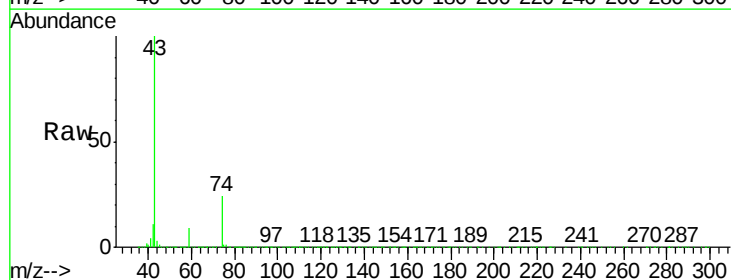
Manual Integrations
APPROVED

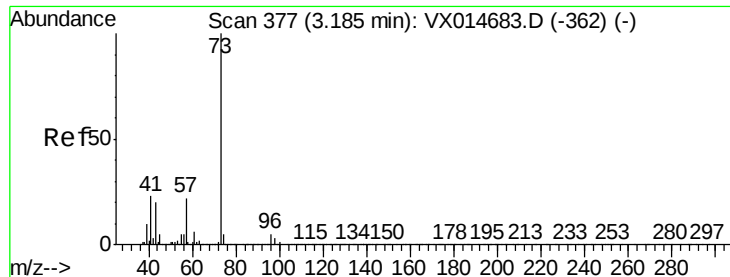
MMDadoda
2/6/2020 1:32:11 PM



#18
Methyl Acetate
Concen: 49.053 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.5	27.7





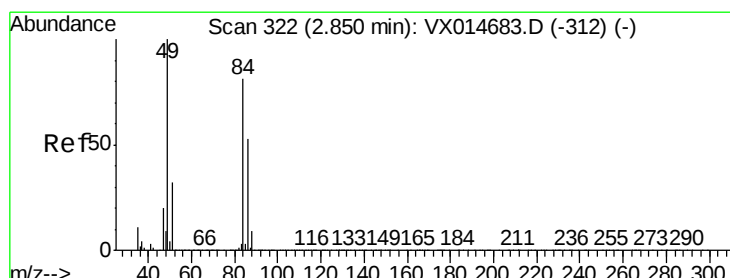
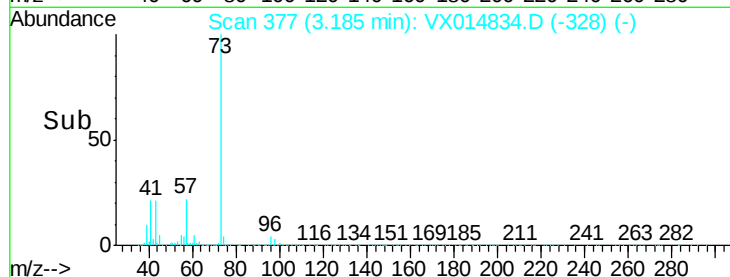
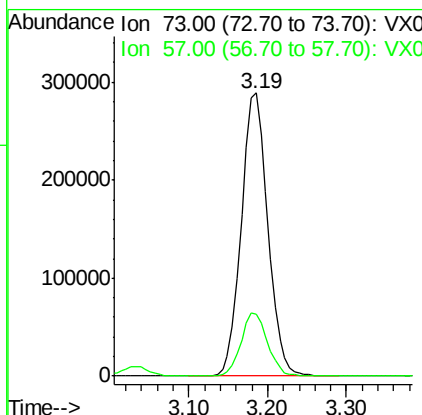
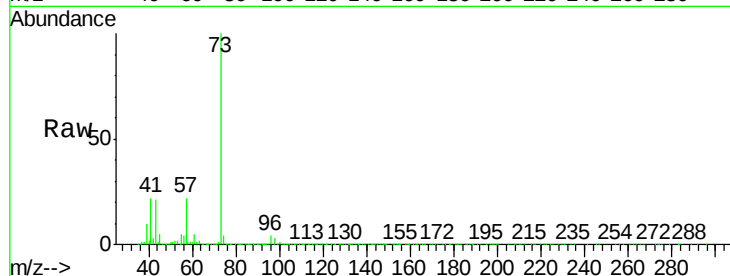
#19
Methvl tert-butvl Ether
Concen: 49.977 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.0	27.0

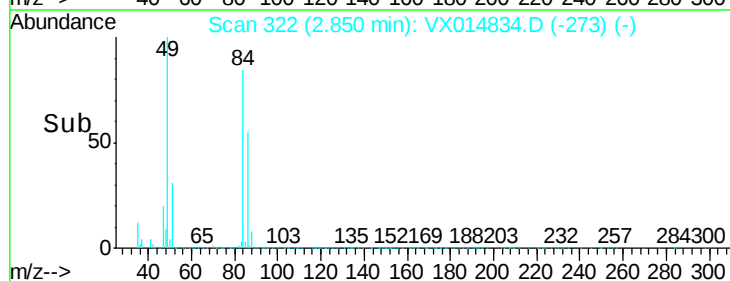
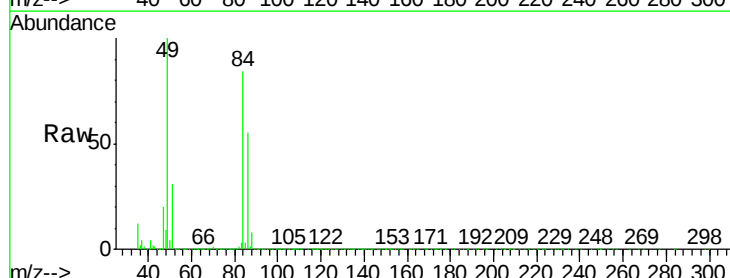
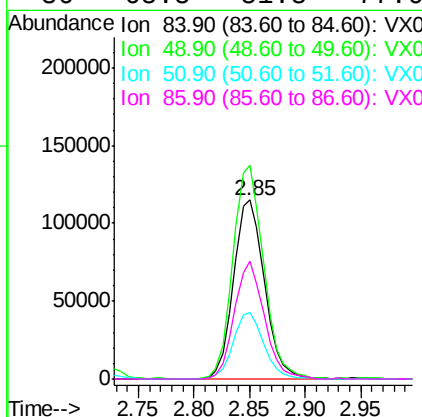
Manual Integrations
APPROVED

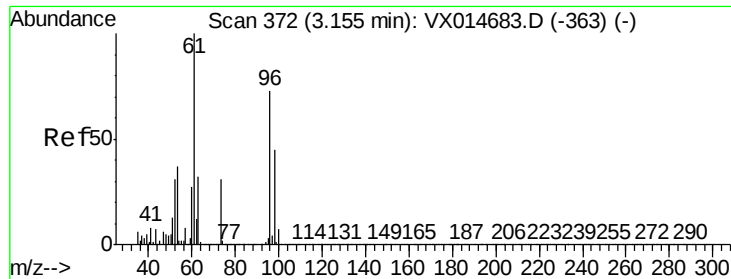
MMDadoda
2/6/2020 1:32:11 PM



#20
Methylene Chloride
Concen: 44.951 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	98.2	147.4
51	37.1	31.3	46.9
86	65.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 44.302 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

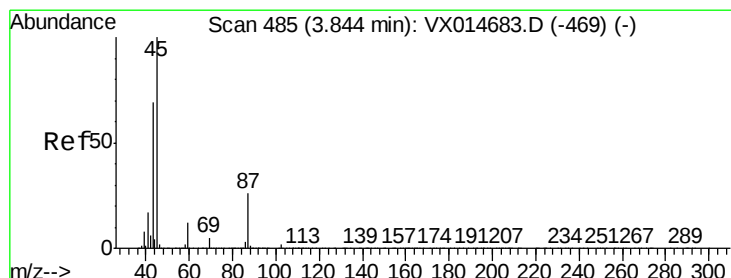
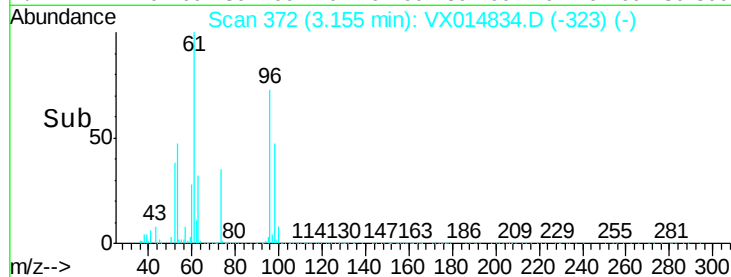
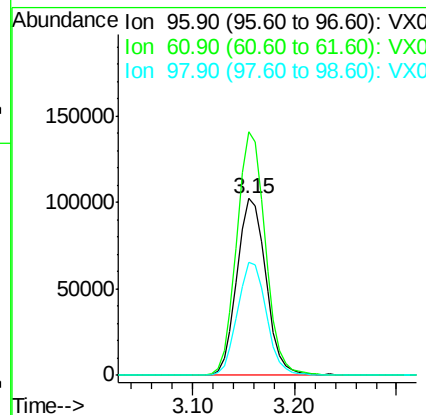
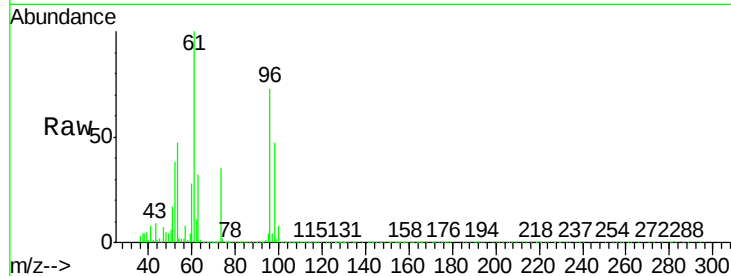
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	201656
Ion Ratio	Lower	Upper	
96	100		
61	137.4	109.8	164.6
98	64.0	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#22

Diisopropyl ether

Concen: 48.011 ug/l

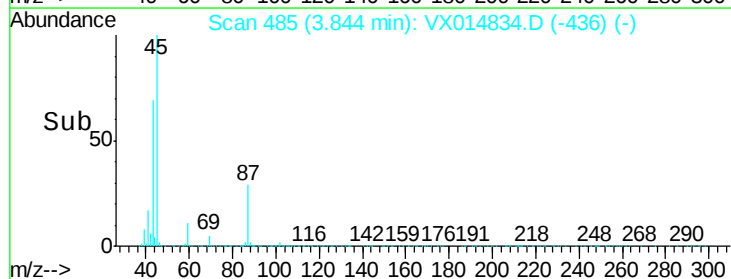
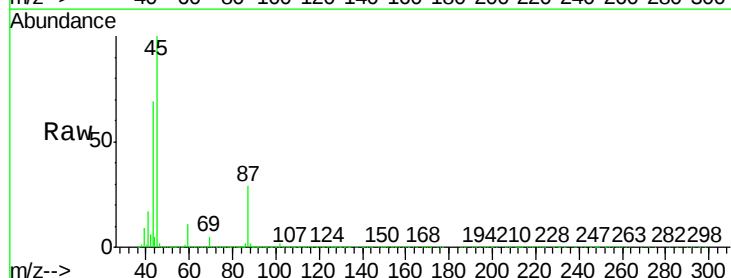
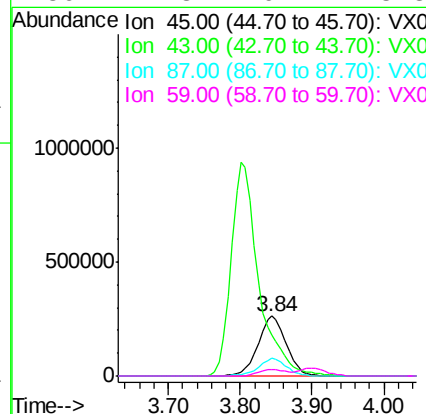
RT: 3.84 min Scan# 485

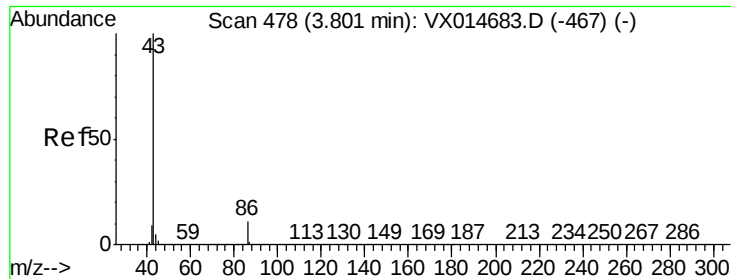
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	45	Resp:	709783
Ion Ratio	Lower	Upper	
45	100		
43	69.0	55.1	82.7
87	29.3	20.7	31.1
59	11.3	9.2	13.8





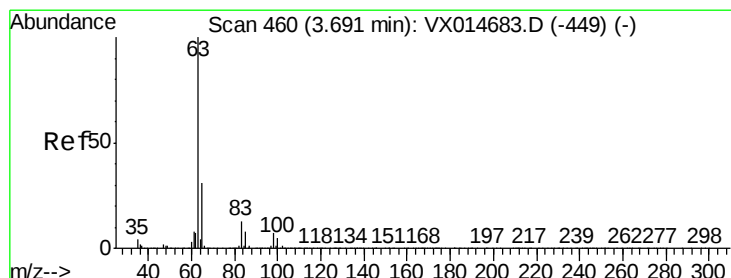
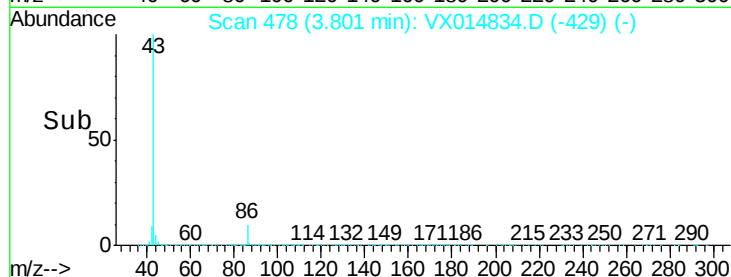
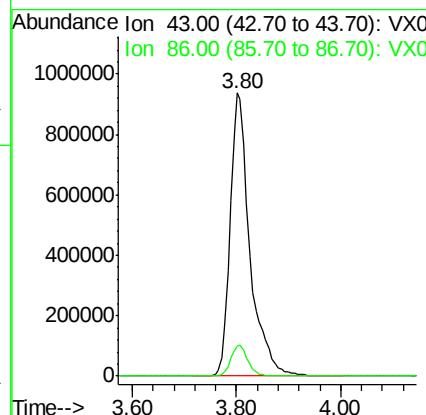
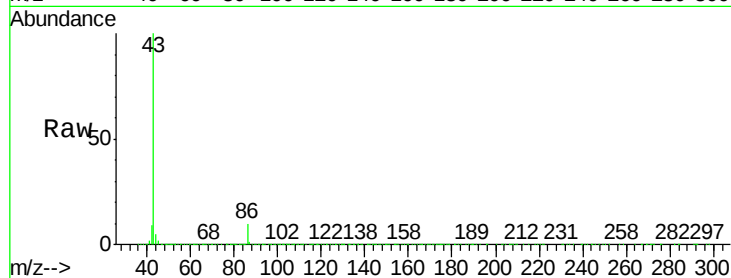
#23
 Vinyl Acetate
 Concen: 222.349 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2505752
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

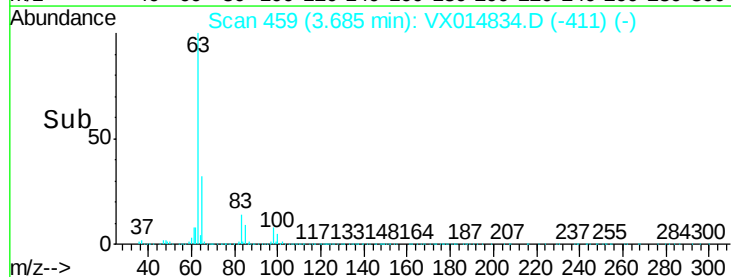
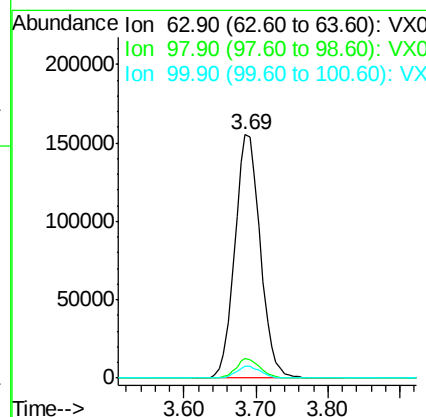
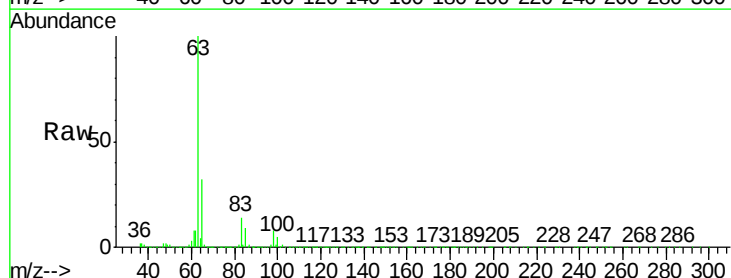
Manual Integrations
 APPROVED

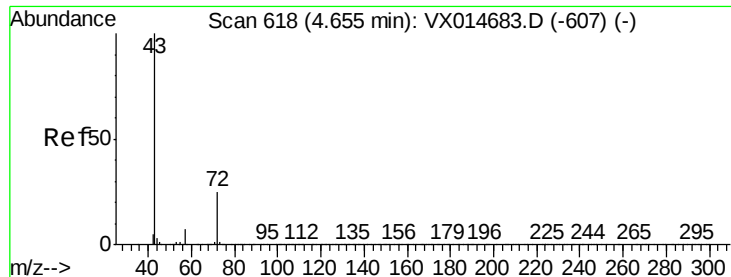
MMDadoda
 2/6/2020 1:32:11 PM



#24
 1,1-Dichloroethane
 Concen: 47.463 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Tgt Ion: 63 Resp: 381062
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.6 10.8
 100 4.7 2.2 6.6





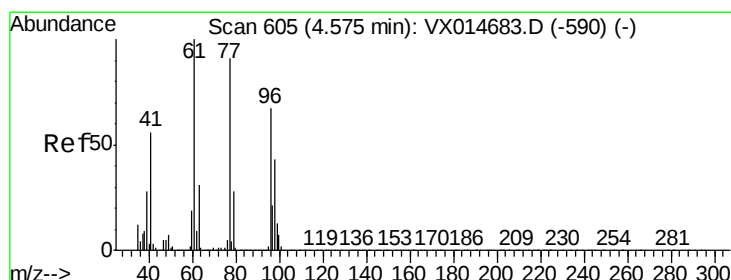
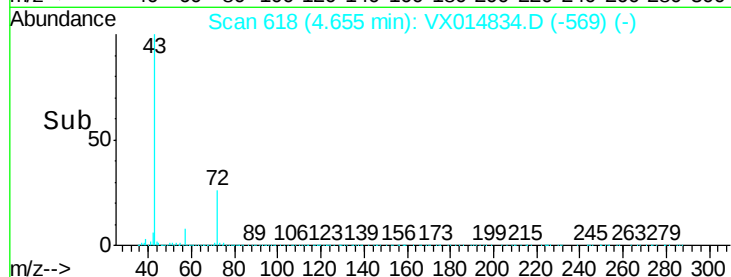
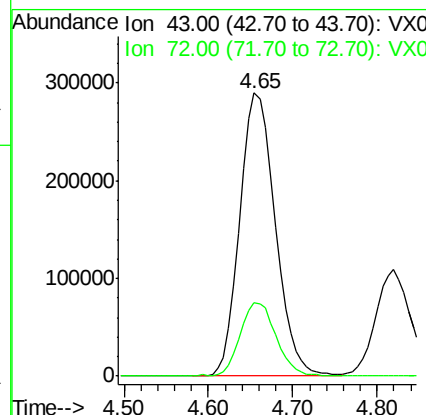
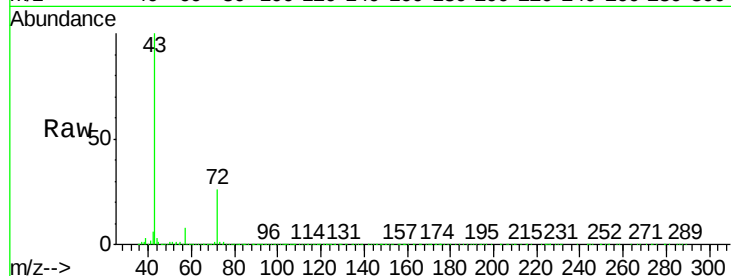
#25
2-Butanone
Concen: 216.247 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.9	29.9

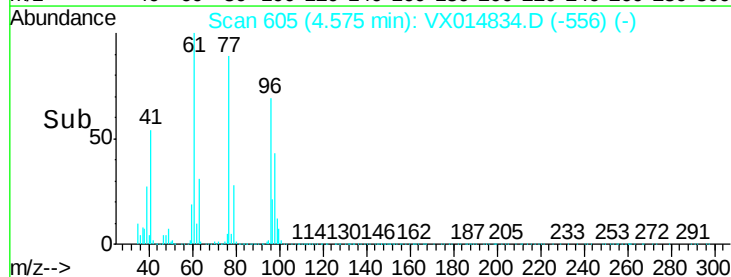
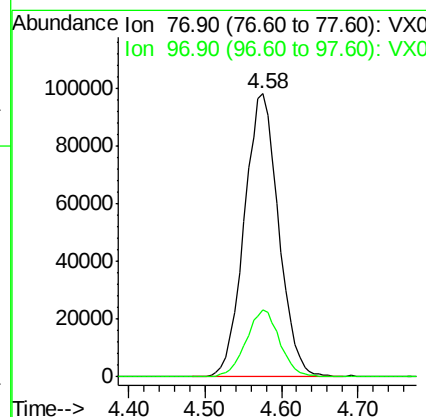
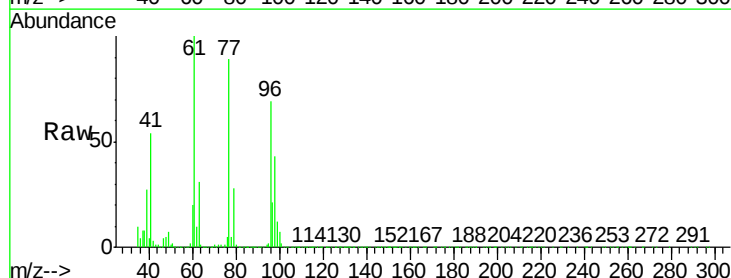
Manual Integrations
APPROVED

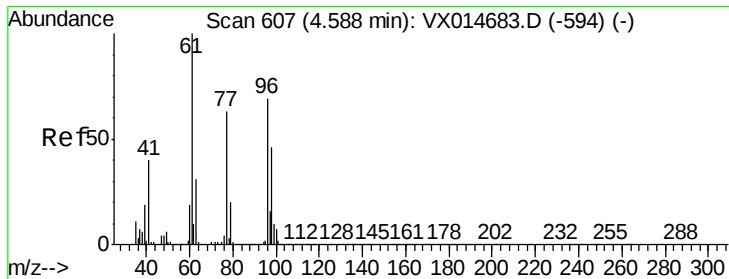
MMDadoda
2/6/2020 1:32:11 PM



#26
2,2-Dichloropropane
Concen: 47.109 ug/l
RT: 4.58 min Scan# 605
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.5	11.8	35.3





#27

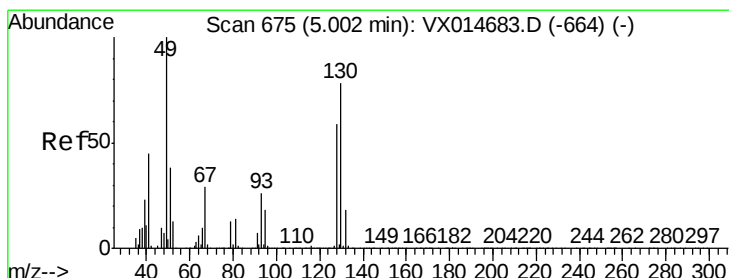
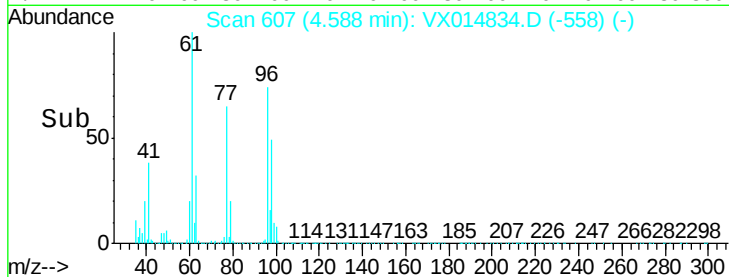
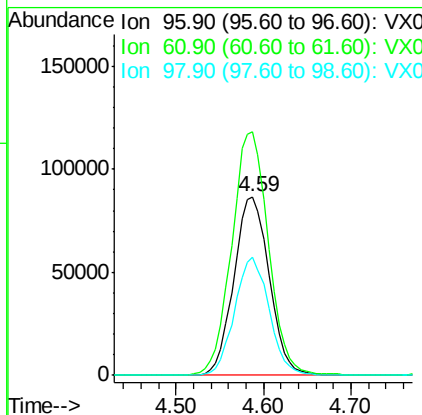
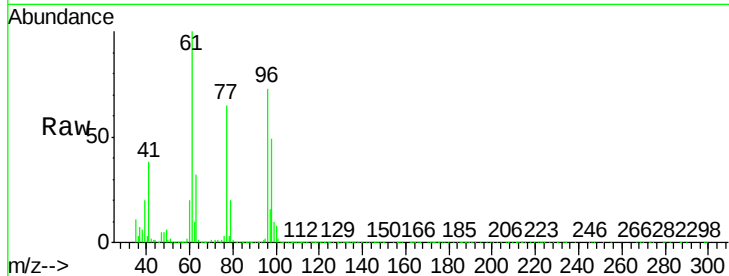
cis-1,2-Dichloroethene
Concen: 47.832 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	291.0
98	64.5	0.0	129.8

Manual Integrations
APPROVED

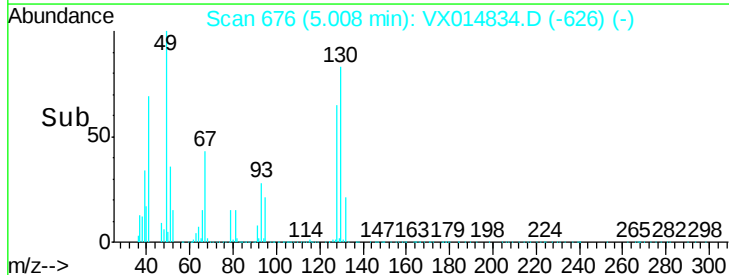
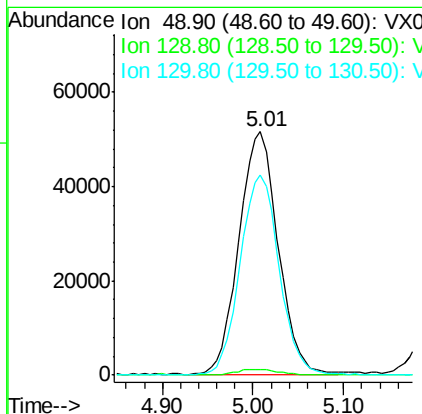
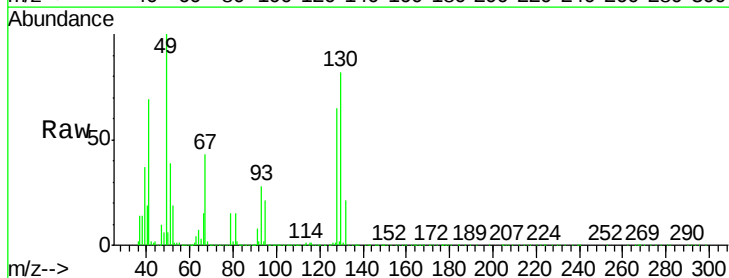
MMDadoda
2/6/2020 1:32:11 PM

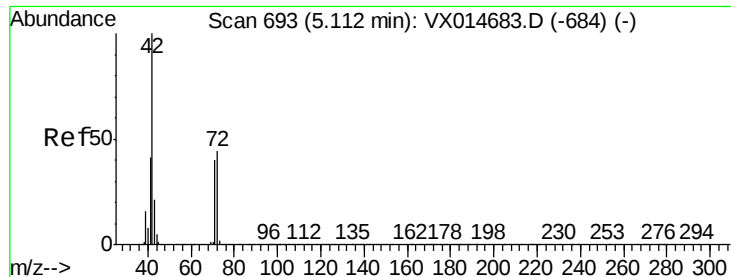


#28

Bromochloromethane
Concen: 43.687 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	82.8	62.4	93.6





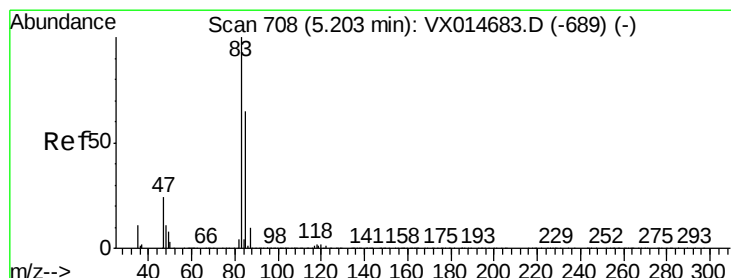
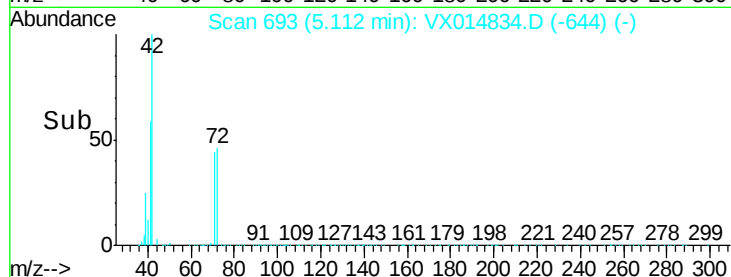
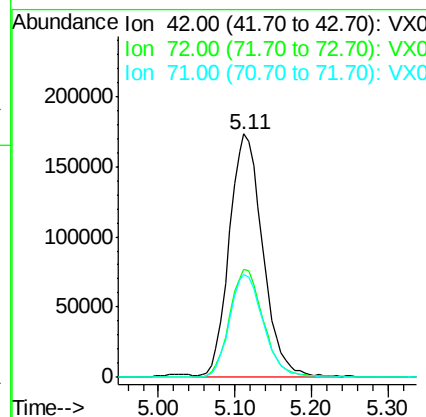
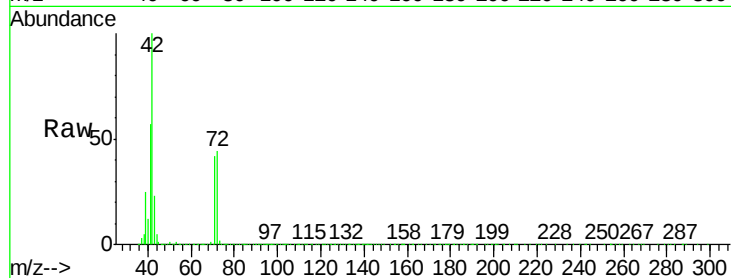
#29
Tetrahydrofuran
Concen: 229.714 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	35.3	52.9
71	42.7	33.1	49.7

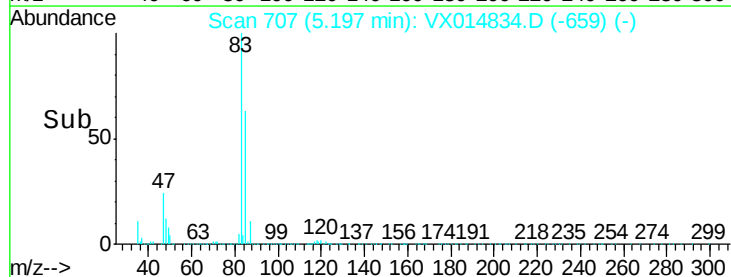
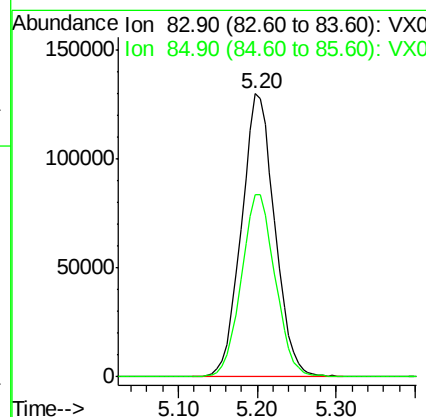
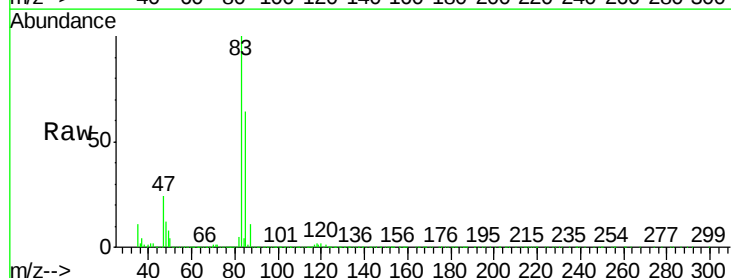
Manual Integrations
APPROVED

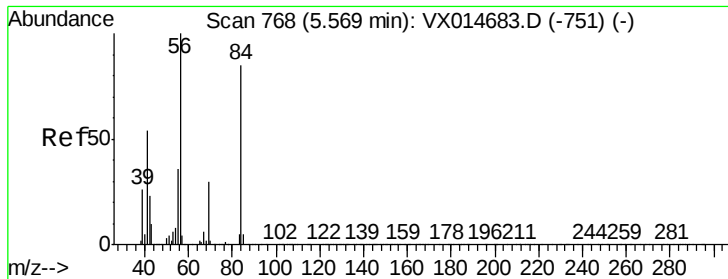
MMDadoda
2/6/2020 1:32:11 PM



#30
Chloroform
Concen: 47.717 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.7	77.5





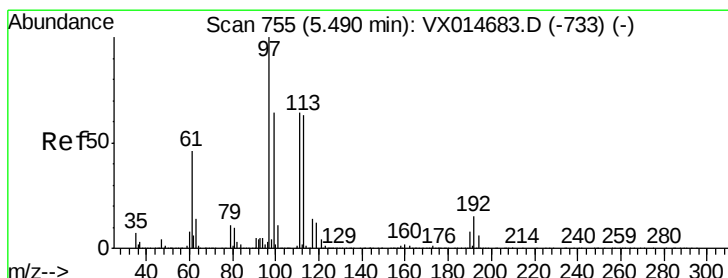
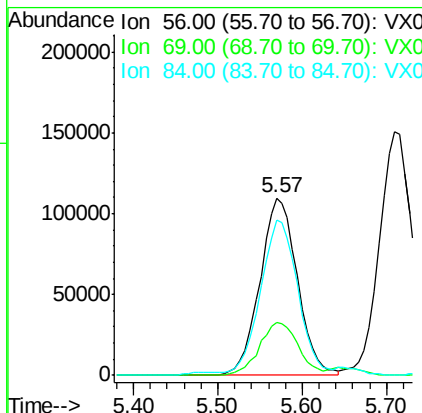
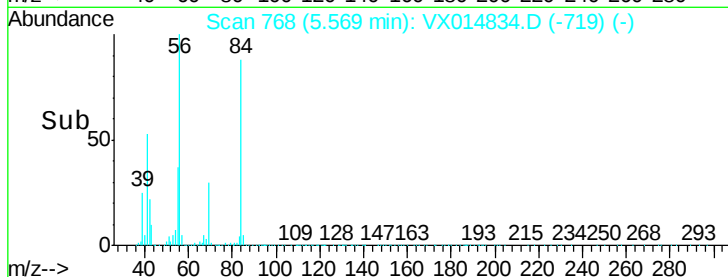
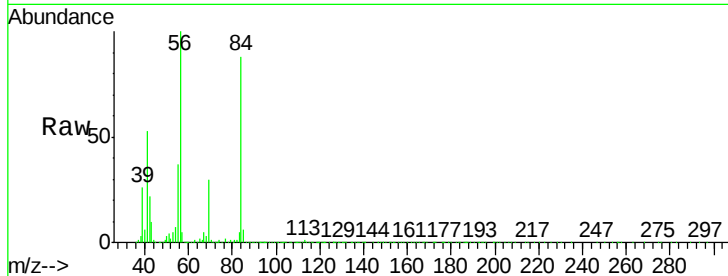
#31
Cvclohexane
Concen: 44.521 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.4	35.2
84	86.4	68.4	102.6

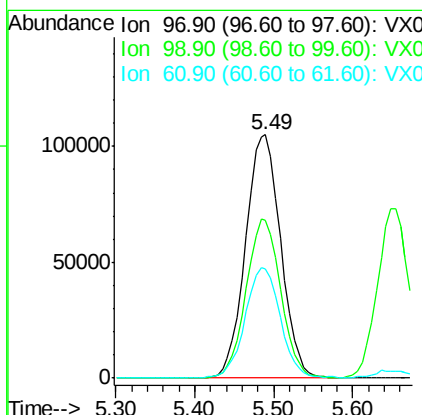
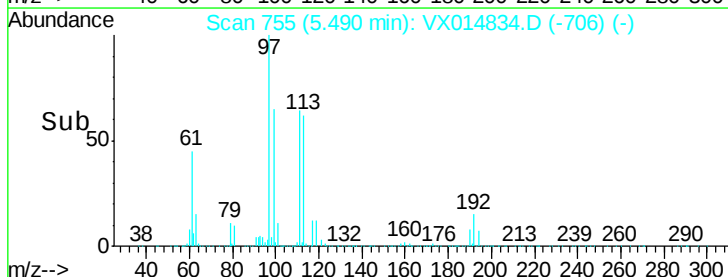
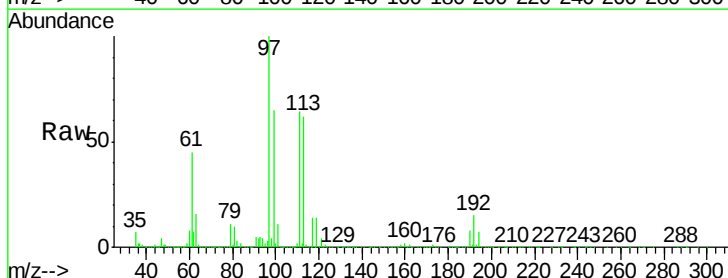
Manual Integrations
APPROVED

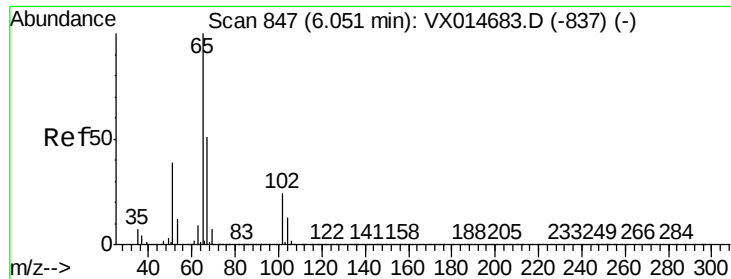
MMDadoda
2/6/2020 1:32:11 PM



#32
1,1,1-Trichloroethane
Concen: 48.530 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.3	78.5
61	45.2	37.2	55.8





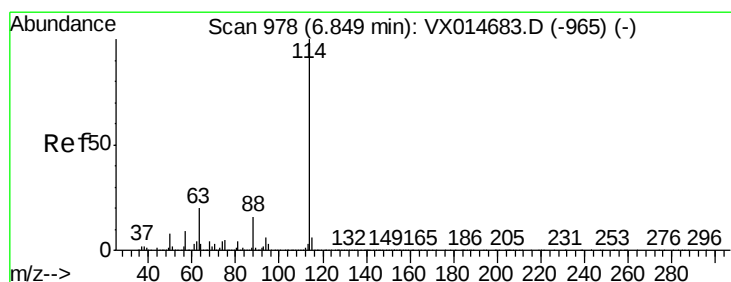
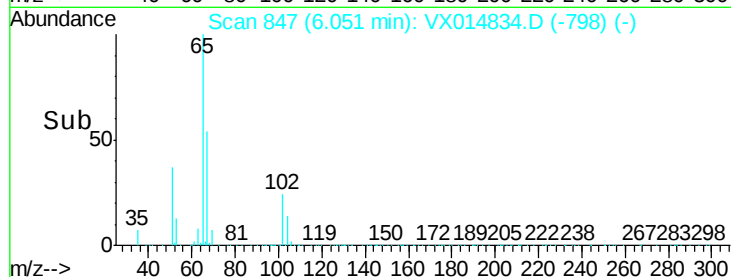
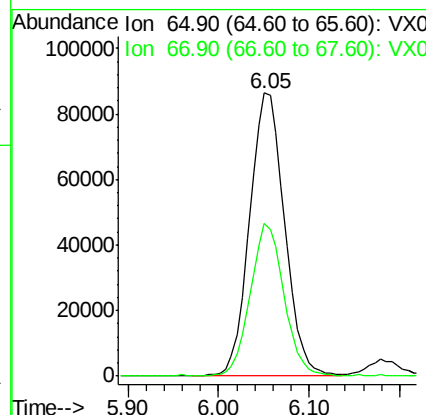
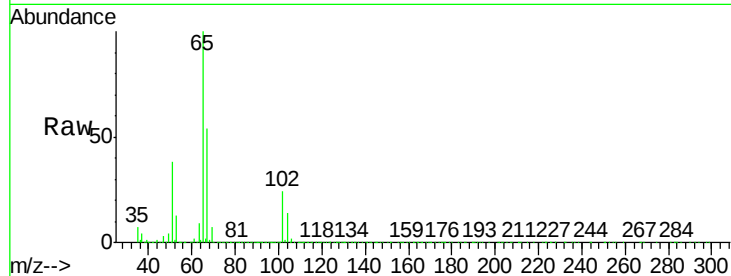
#33
 1,2-Dichloroethane-d4
 Concen: 47.152 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	107.4

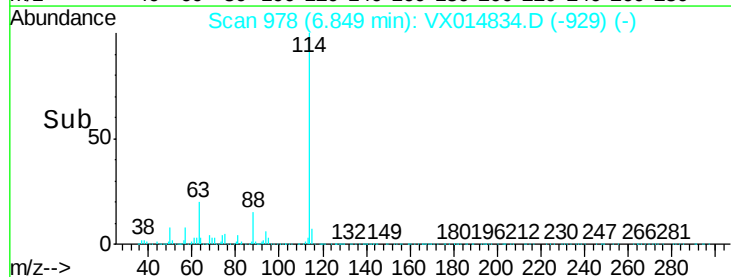
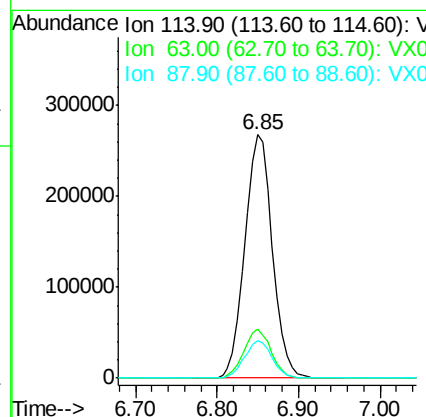
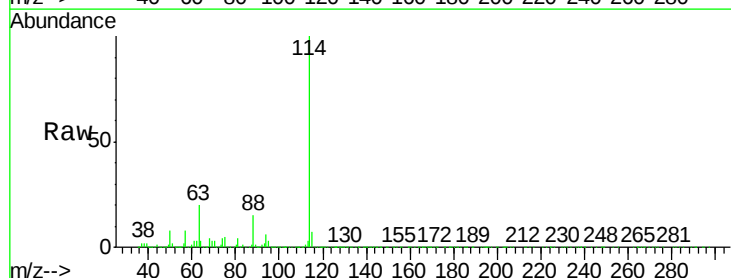
Manual Integrations
 APPROVED

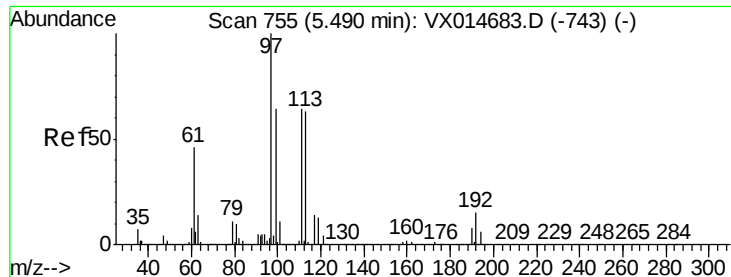
MMDadoda
 2/6/2020 1:32:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.3	0.0	31.2





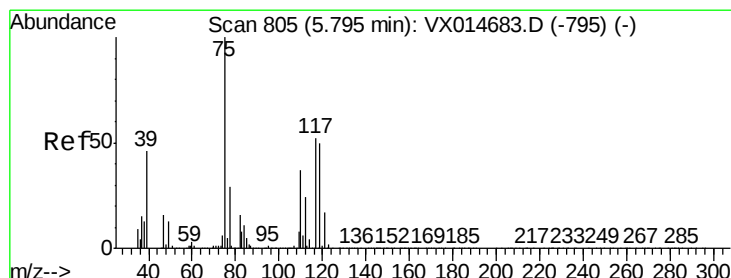
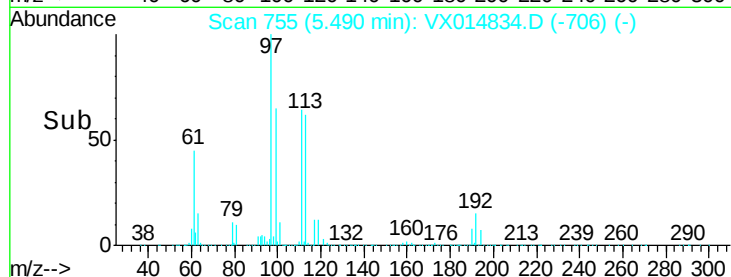
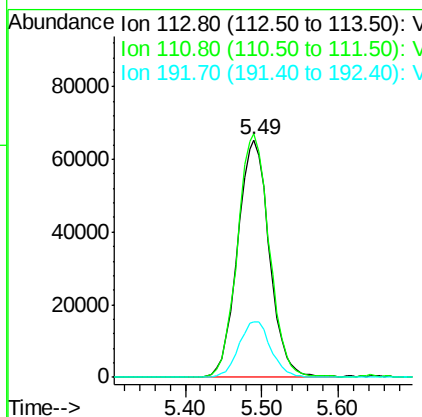
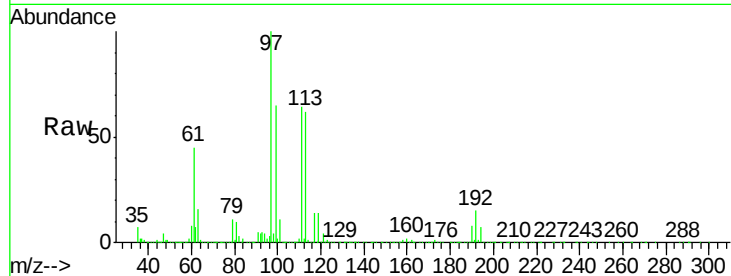
#35
Dibromofluoromethane
Concen: 47.337 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.7	121.1
192	23.7	18.5	27.7

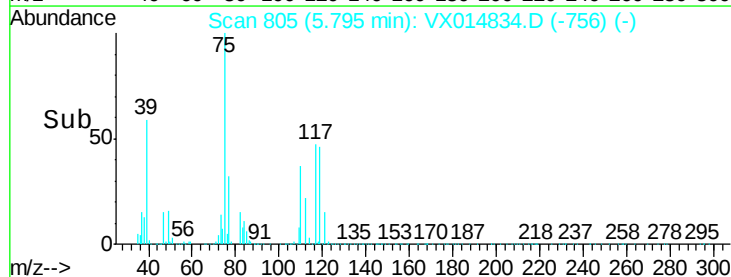
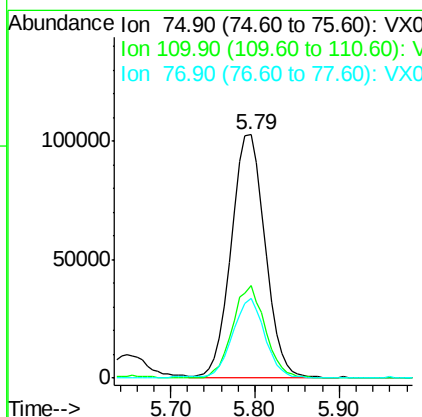
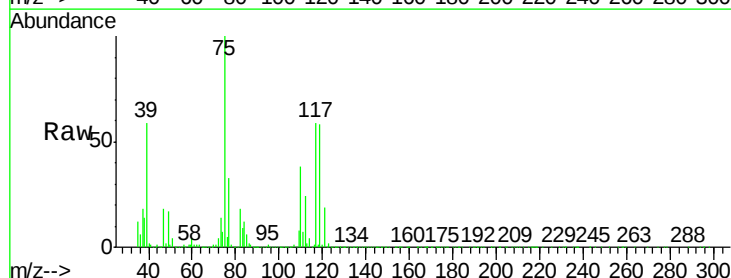
Manual Integrations
APPROVED

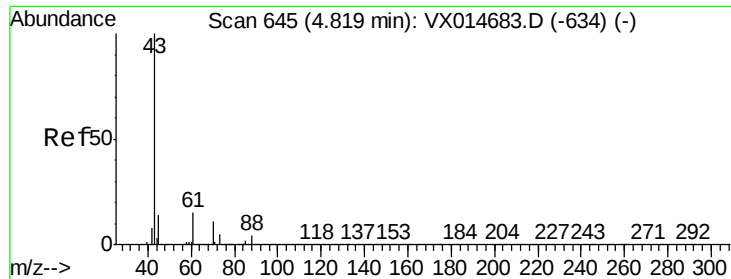
MMDadoda
2/6/2020 1:32:11 PM



#36
1,1-Dichloropropene
Concen: 47.663 ug/l
RT: 5.79 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.9	53.7
77	30.9	24.1	36.1





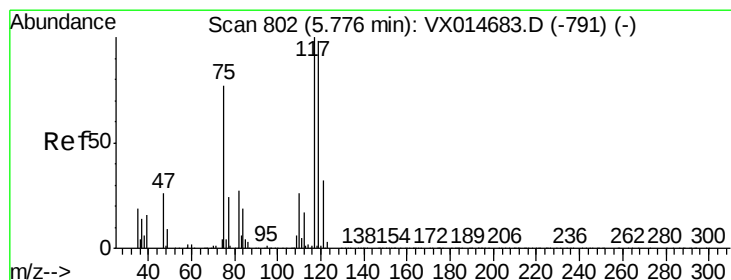
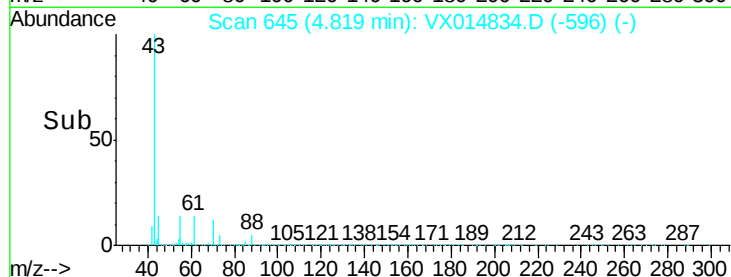
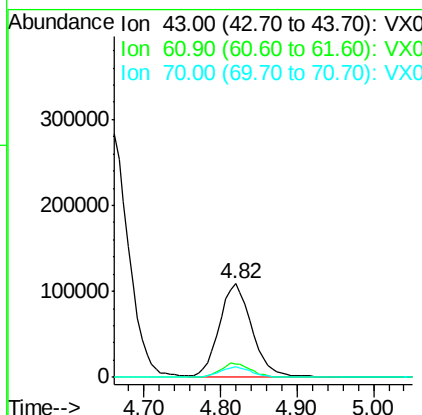
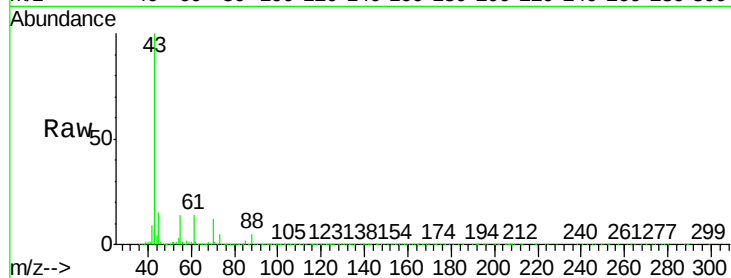
#37
Ethyl Acetate
Concen: 47.620 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.0	16.4
70	11.1	8.5	12.7

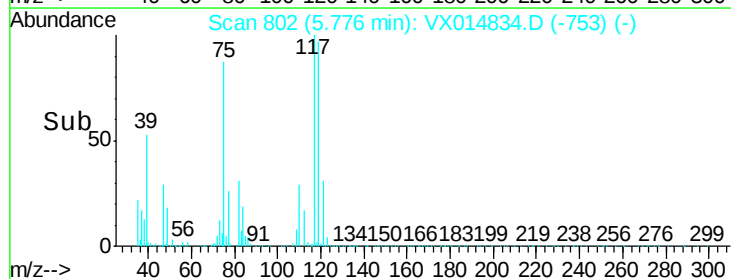
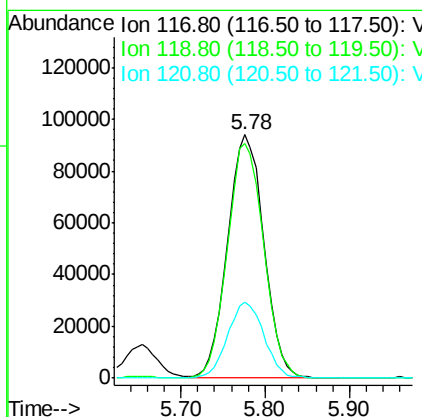
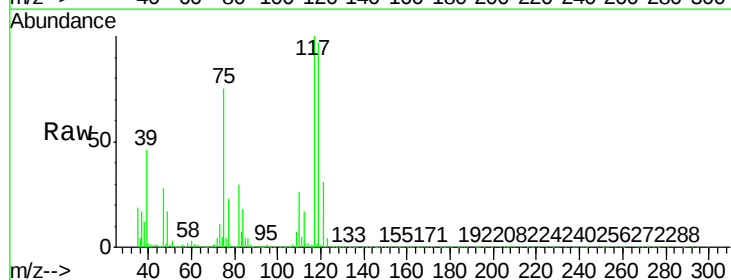
Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#38
Carbon Tetrachloride
Concen: 49.286 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.9	116.9
121	31.3	25.4	38.2





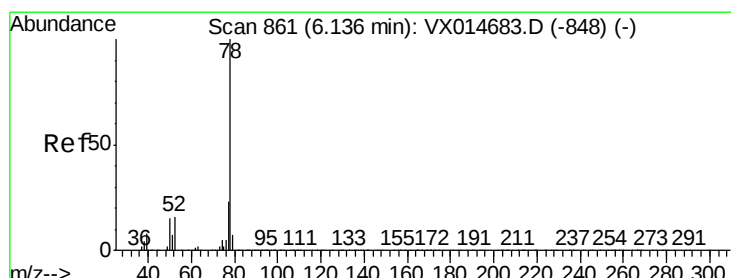
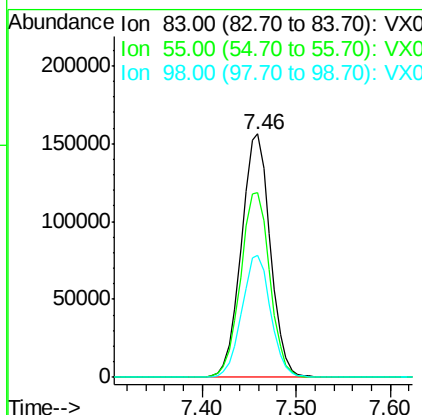
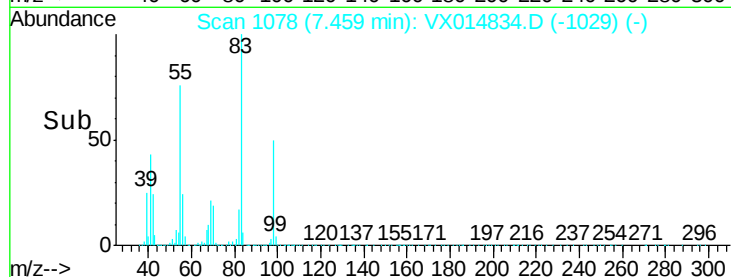
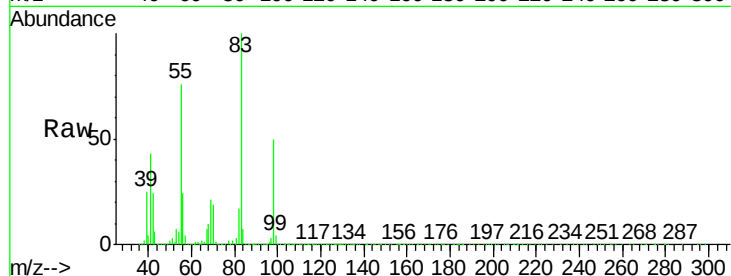
#39
Methvlcvclohexane
Concen: 45.935 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	65.6	98.4
98	50.2	40.2	60.4

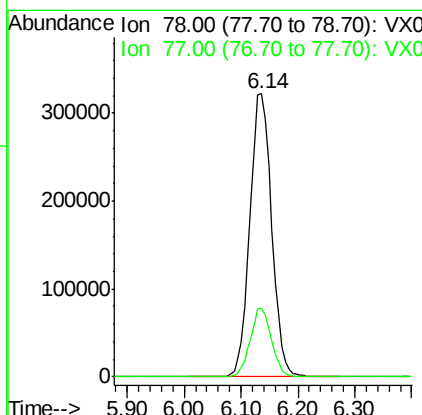
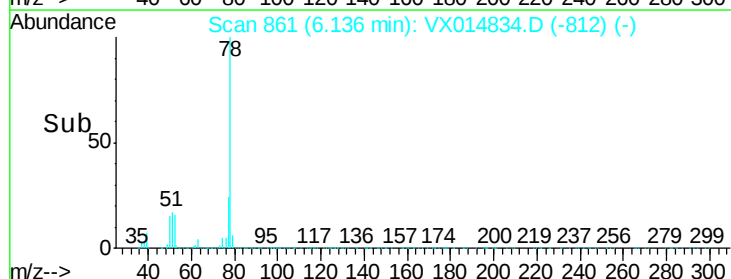
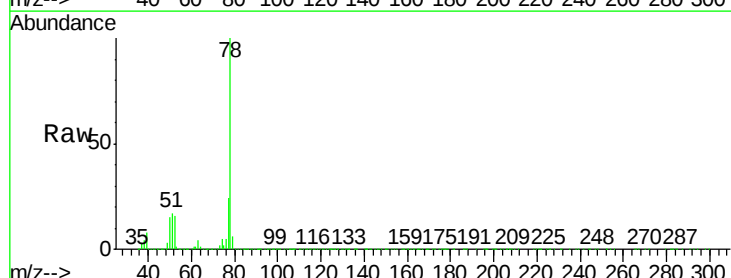
Manual Integrations
APPROVED

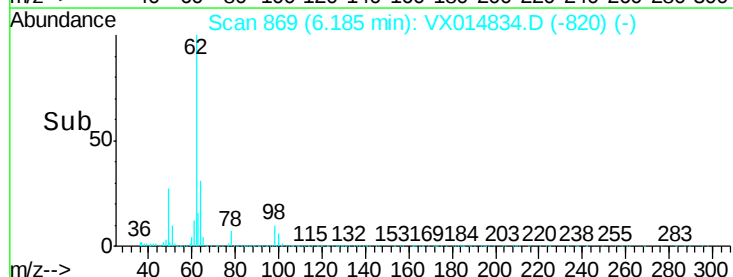
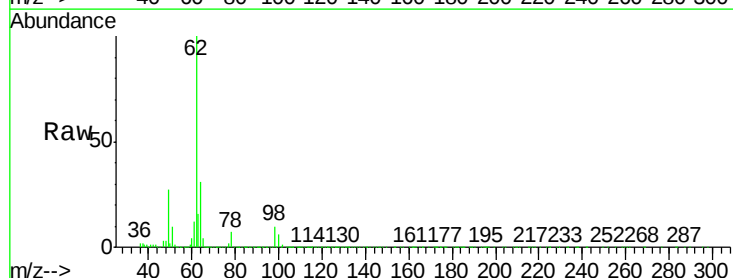
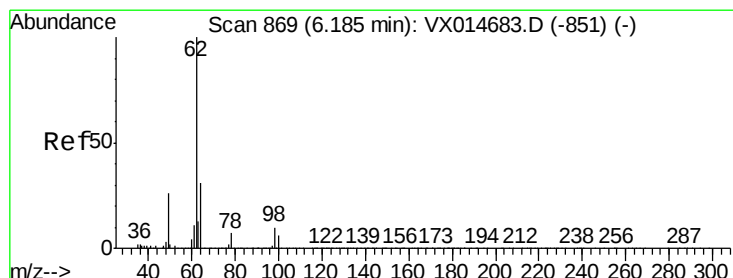
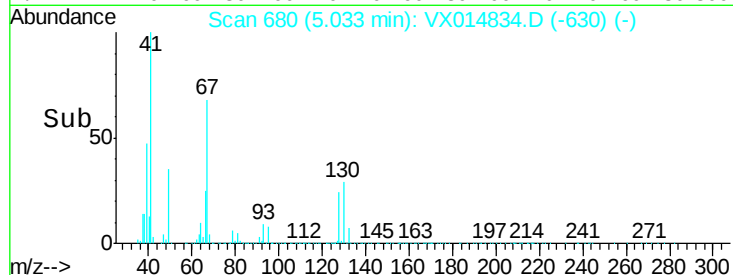
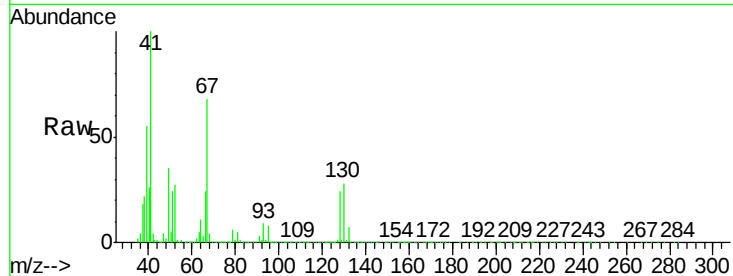
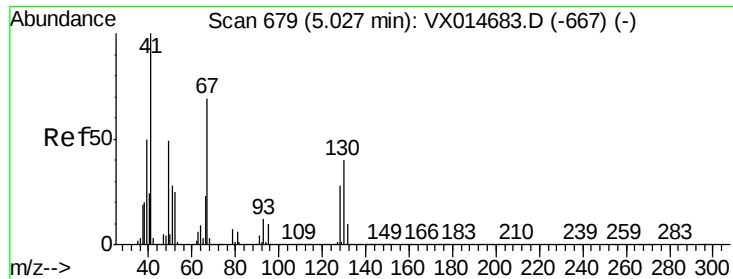
MMDadoda
2/6/2020 1:32:11 PM



#40
Benzene
Concen: 47.580 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





#41

Methacrylonitrile

Concen: 46.978 ug/l

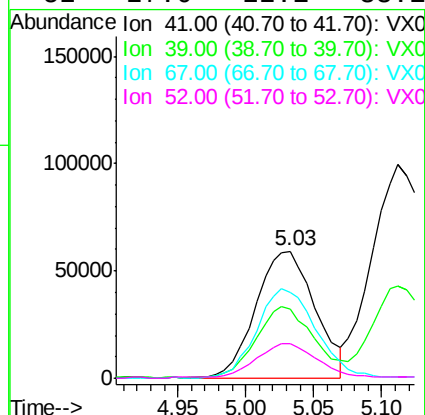
RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.2	63.2	
67	71.5	55.4	83.0	
52	27.0	22.1	33.1	



Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM

#42

1,2-Dichloroethane

Concen: 49.718 ug/l

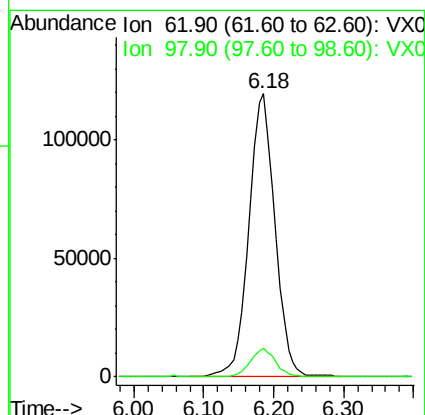
RT: 6.18 min Scan# 869

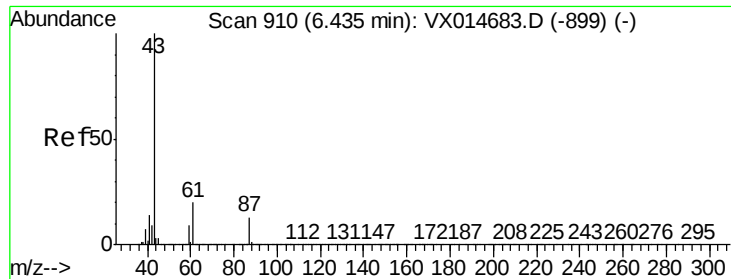
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.0	





#43

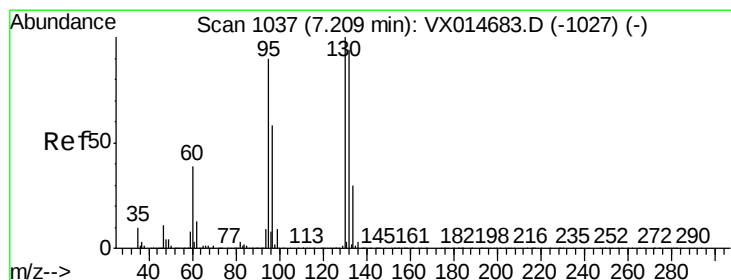
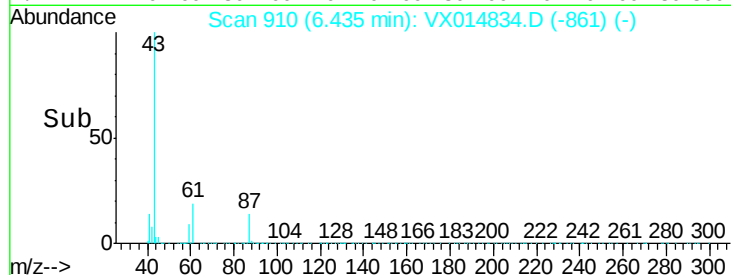
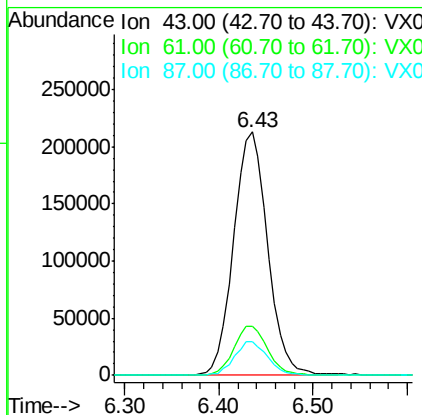
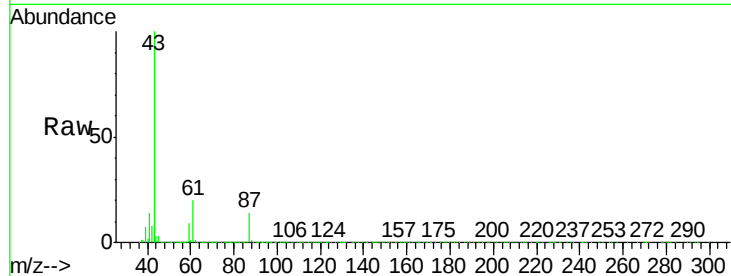
Isopropyl Acetate
 Concen: 48.826 ug/l
 RT: 6.43 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	43	Resp:	533457
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.2	24.4
87	13.5	10.5	15.7

Manual Integrations
 APPROVED

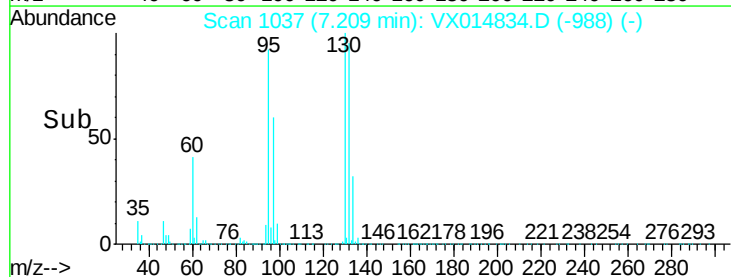
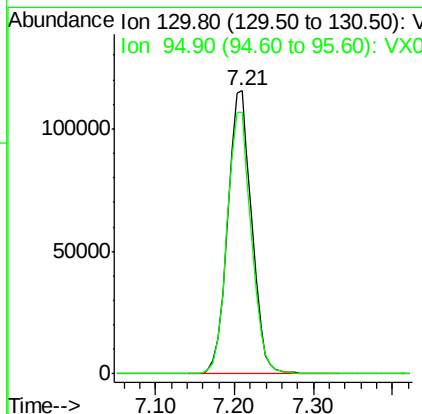
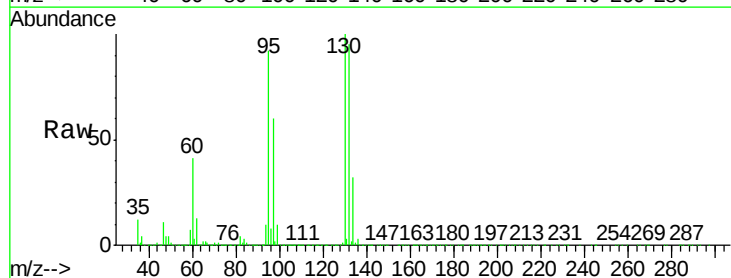
MMDadoda
 2/6/2020 1:32:11 PM

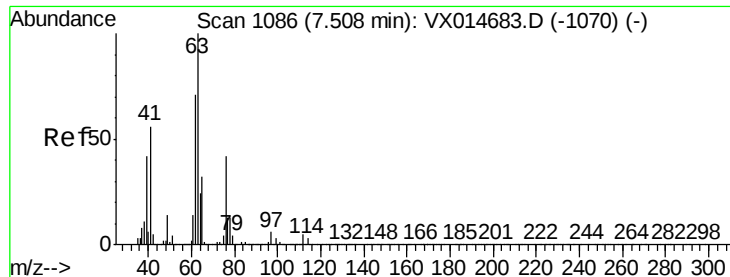


#44

Trichloroethene
 Concen: 48.011 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Tgt Ion:	130	Resp:	244092
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	179.8





#45

1,2-Dichloropropane

Concen: 48.588 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 225302

Ion Ratio Lower Upper

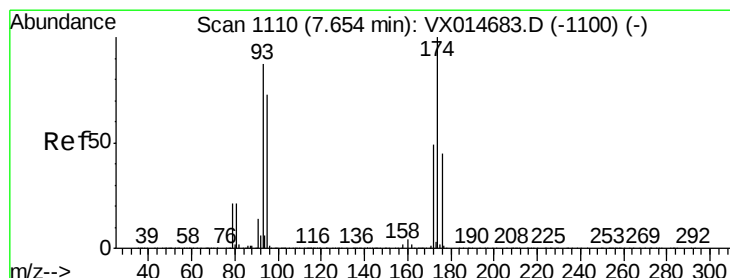
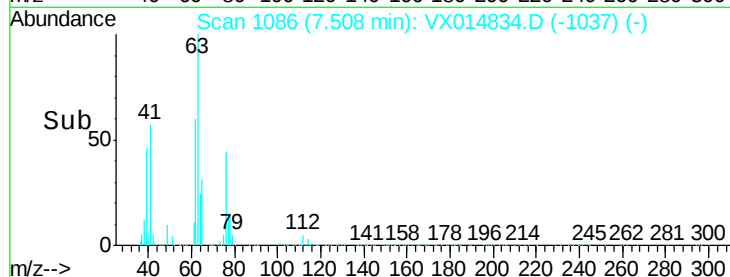
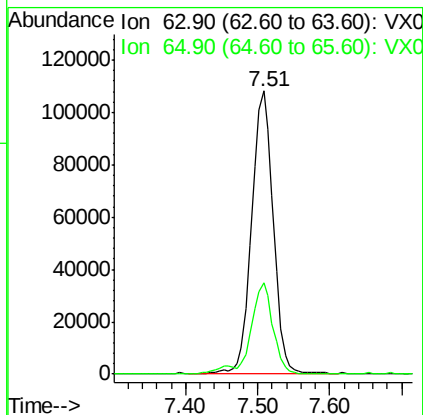
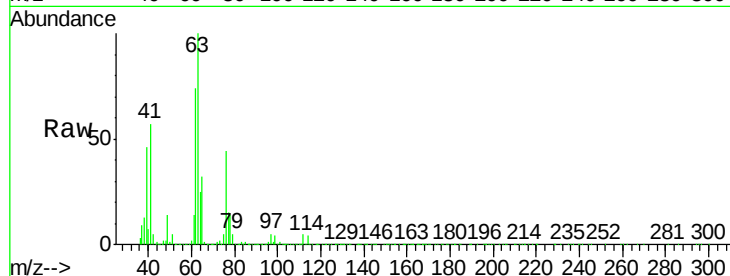
63 100

65 32.1 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#46

Dibromomethane

Concen: 49.811 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

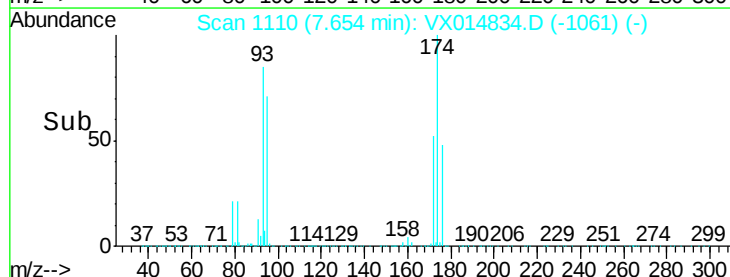
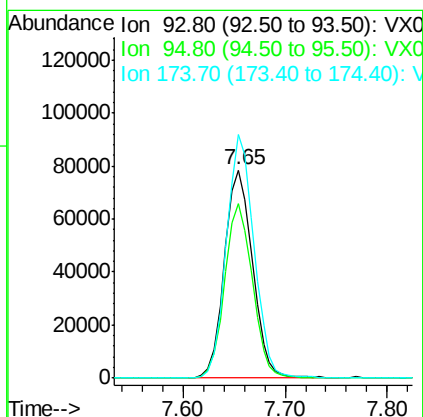
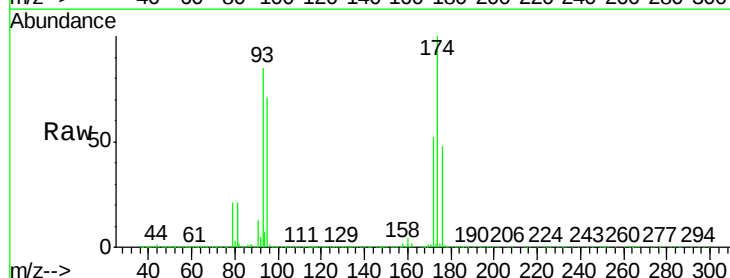
Tgt Ion: 93 Resp: 149591

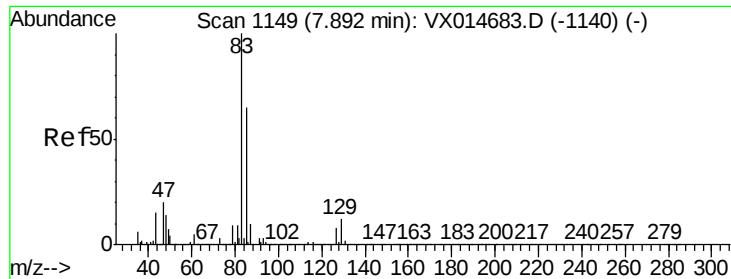
Ion Ratio Lower Upper

93 100

95 82.3 67.0 100.4

174 115.1 90.2 135.2





#47

Bromodichloromethane

Concen: 50.340 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

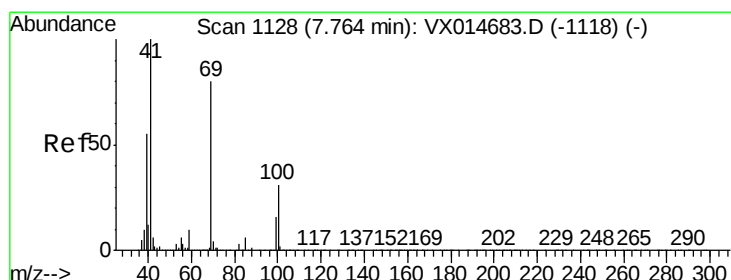
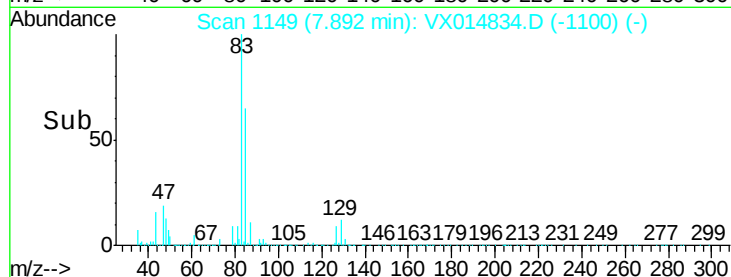
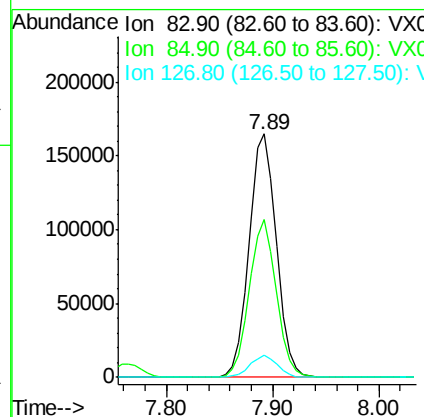
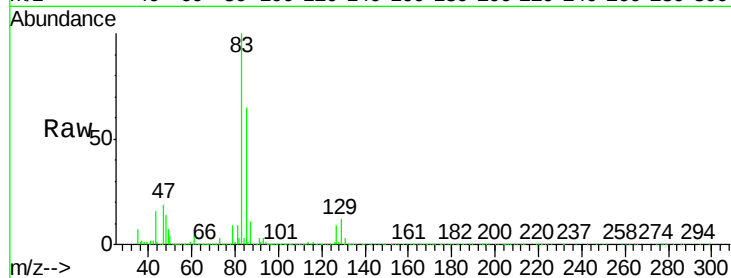
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	296513
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.2	78.2
127	8.9	6.4	9.6

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#48

Methyl methacrylate

Concen: 50.118 ug/l

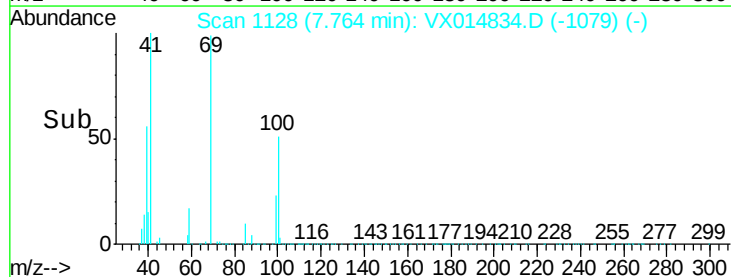
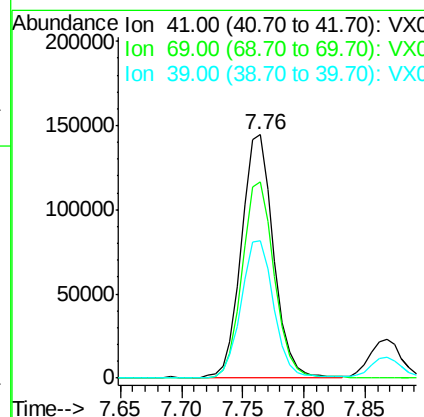
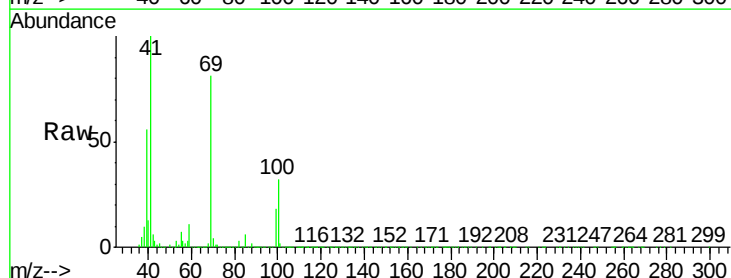
RT: 7.76 min Scan# 1128

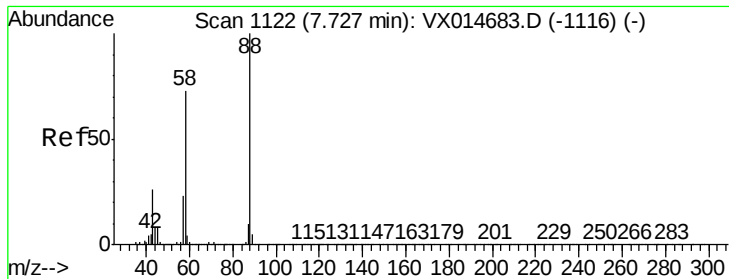
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	41	Resp:	261631
Ion Ratio	Lower	Upper	
41	100		
69	81.2	63.5	95.3
39	57.4	43.7	65.5





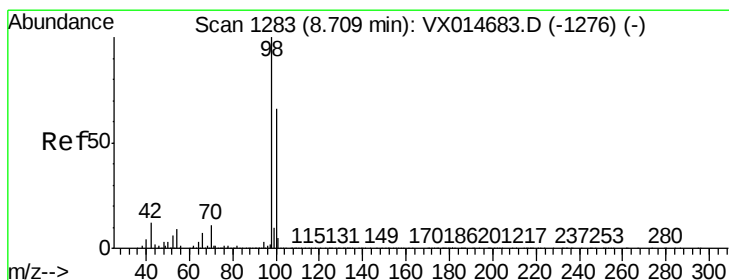
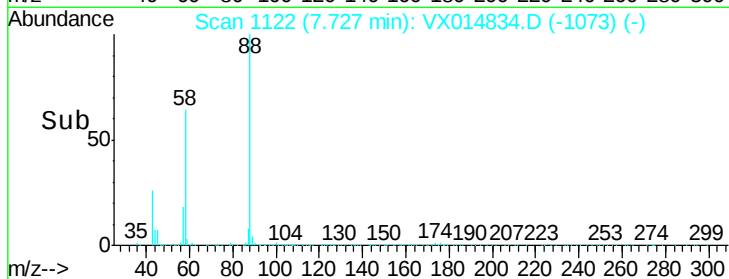
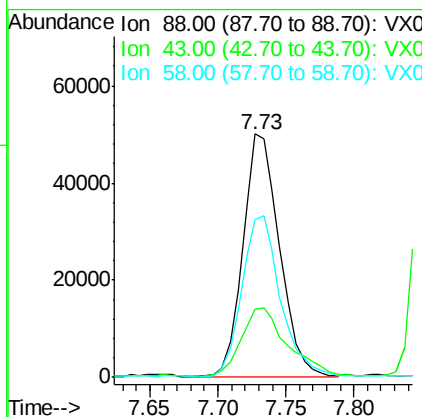
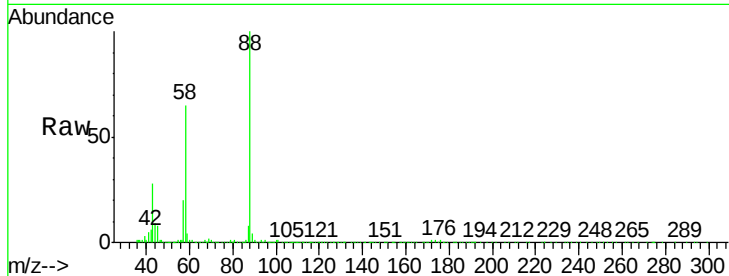
#49
1,4-Dioxane
Concen: 847.809 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	26.2	39.2
58	69.8	56.6	85.0

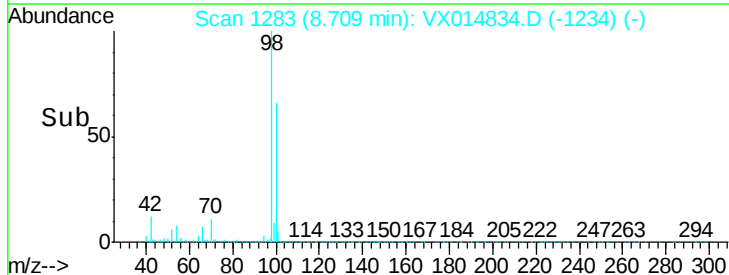
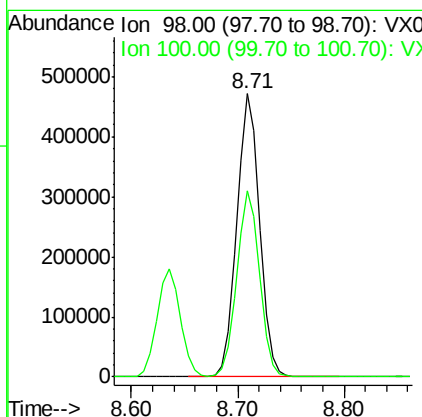
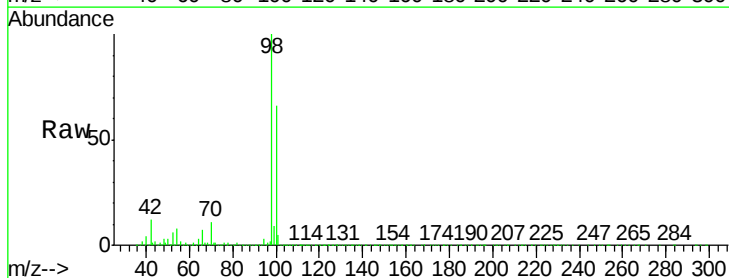
Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#50
Toluene-d8
Concen: 46.590 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 239.730 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1653125

Ion Ratio Lower Upper

43 100

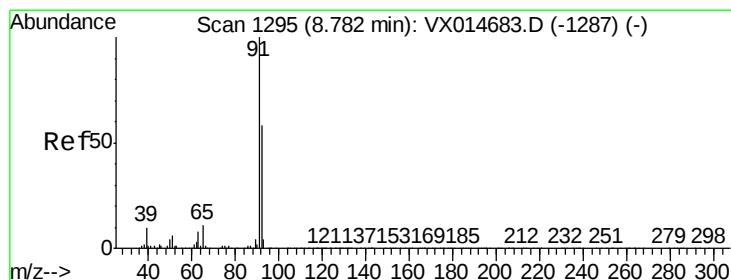
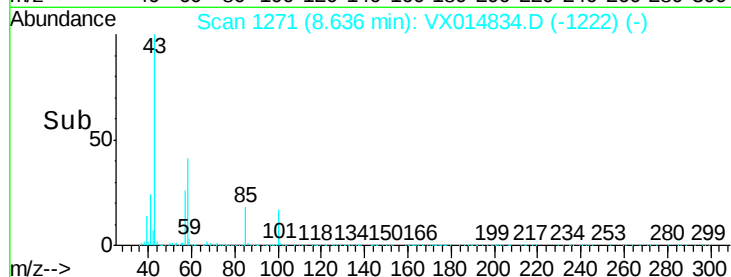
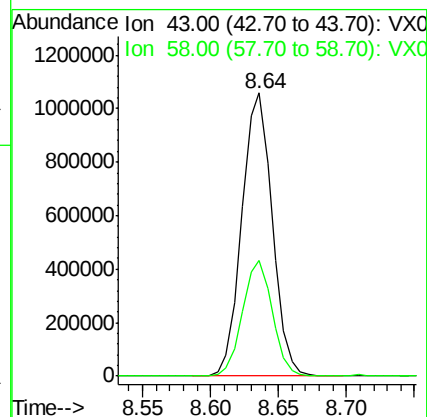
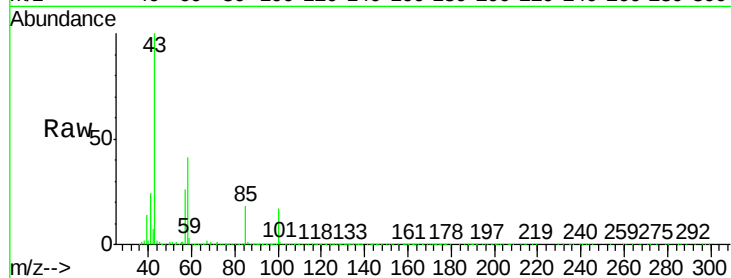
58 40.1 31.6 47.4

Manual Integrations

APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#52

Toluene

Concen: 49.631 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014834.D

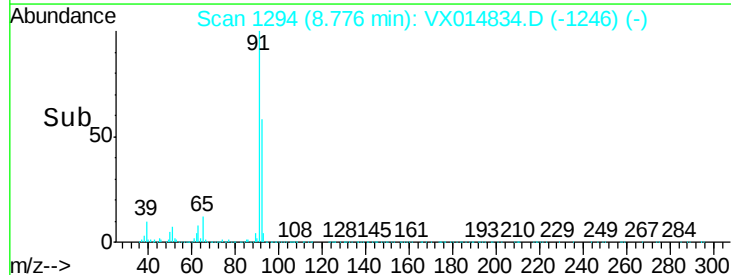
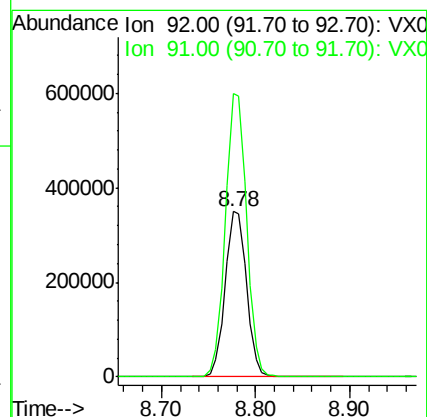
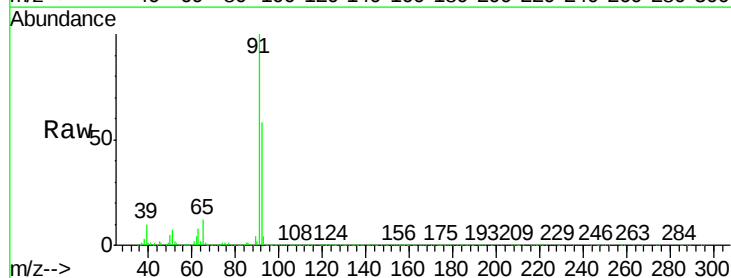
Acq: 05 Feb 2020 19:47

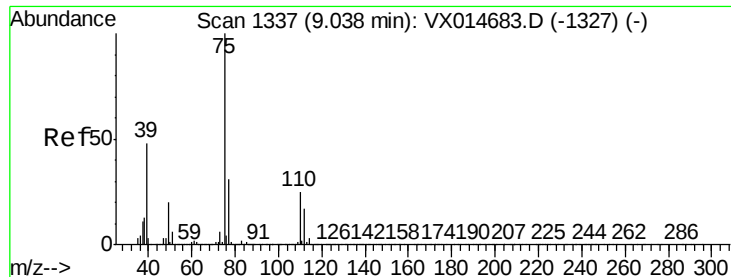
Tgt Ion: 92 Resp: 549124

Ion Ratio Lower Upper

92 100

91 170.6 135.9 203.9





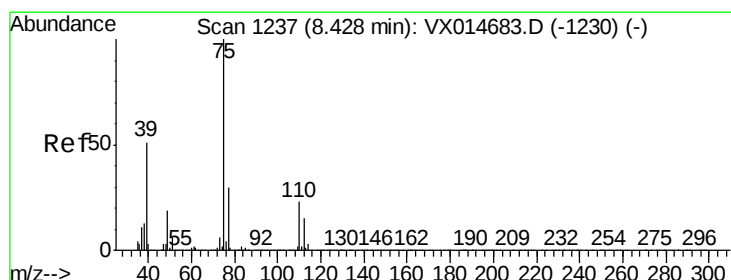
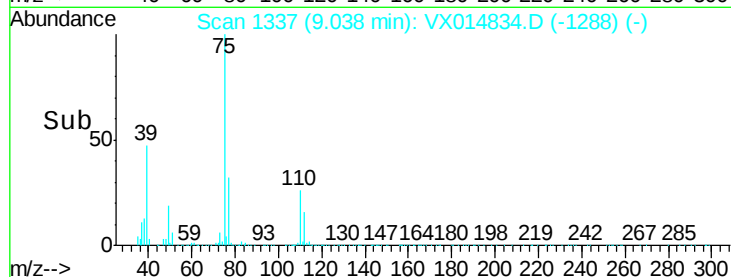
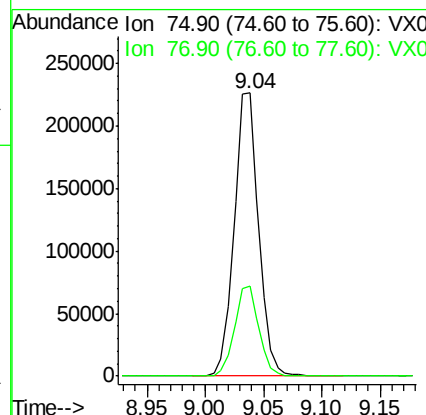
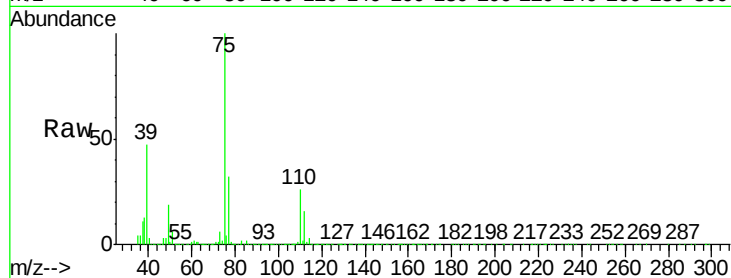
#53
t-1,3-Dichloropropene
Concen: 52.023 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

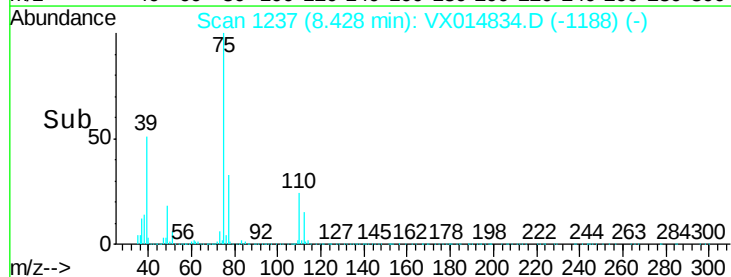
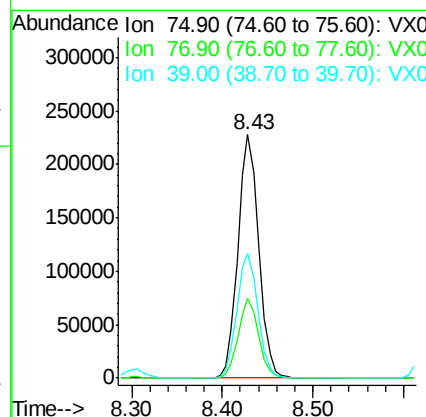
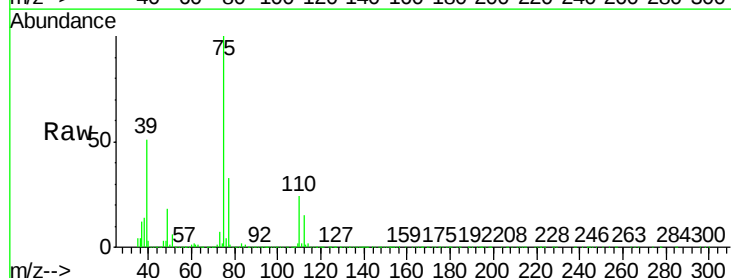
Manual Integrations
APPROVED

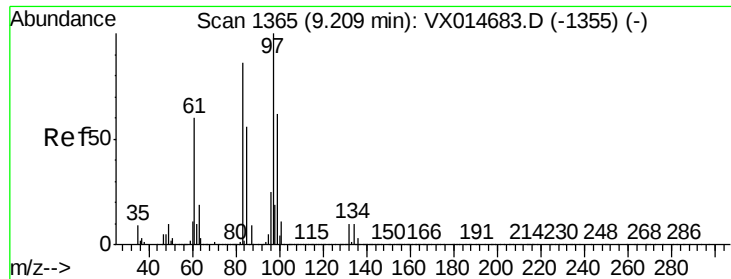
MMDadoda
2/6/2020 1:32:11 PM



#54
cis-1,3-Dichloropropene
Concen: 51.892 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	23.9	35.9
39	50.8	40.9	61.3





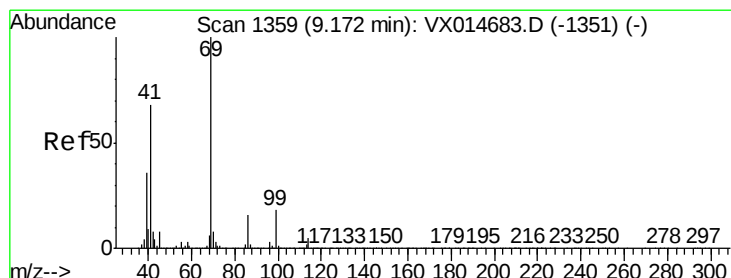
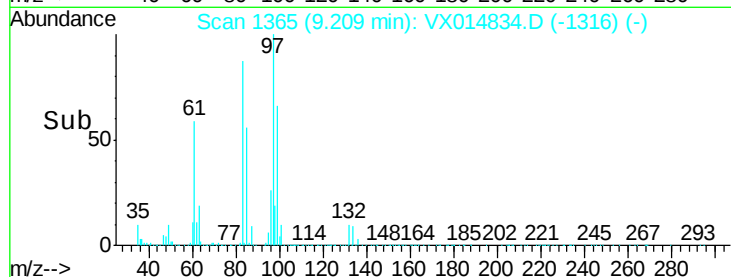
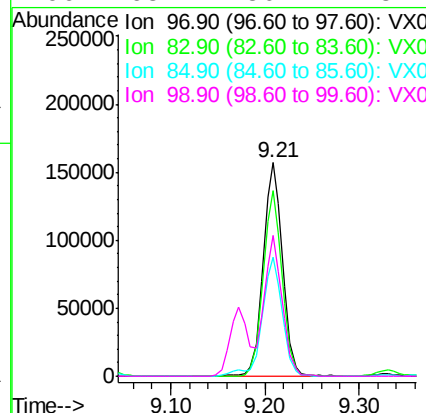
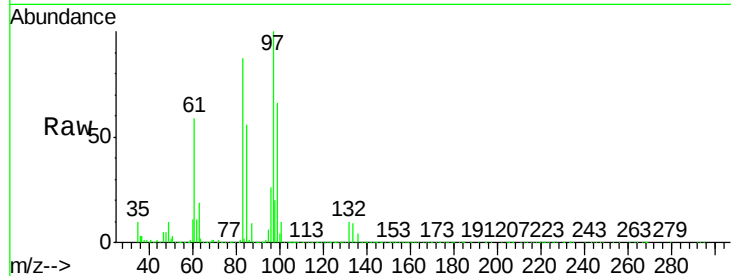
#55
 1,1,2-Trichloroethane
 Concen: 50.162 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		227230		
83	87.0	69.2	103.8		
85	55.6	44.6	67.0		
99	65.7	50.1	75.1		

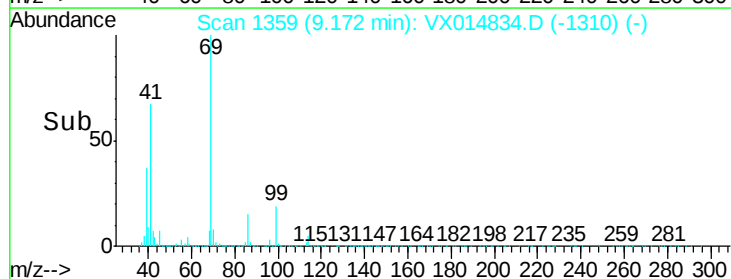
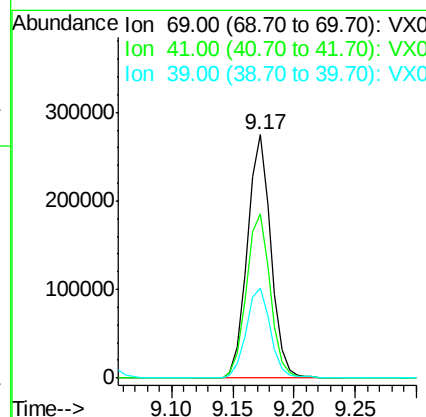
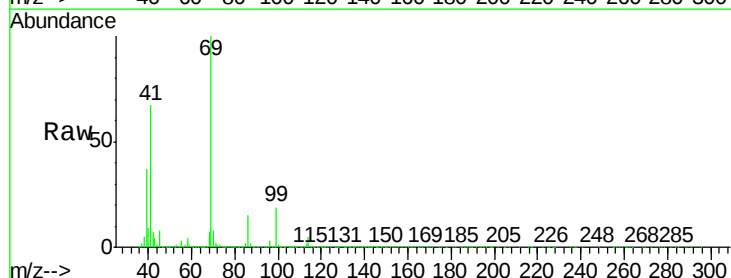
Manual Integrations
 APPROVED

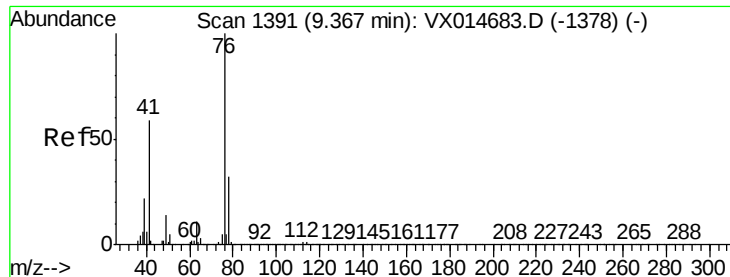
MMDadoda
 2/6/2020 1:32:11 PM



#56
 Ethyl methacrylate
 Concen: 47.775 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014834.D
 Acq: 05 Feb 2020 19:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		366269		
41	68.4	54.9	82.3		
39	37.6	29.3	43.9		





#57

1,3-Dichloropropane

Concen: 49.015 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 379562

Ion Ratio Lower Upper

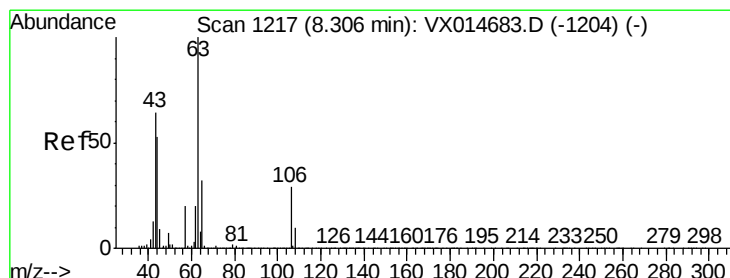
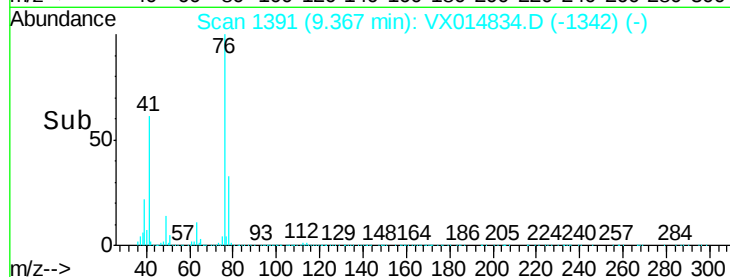
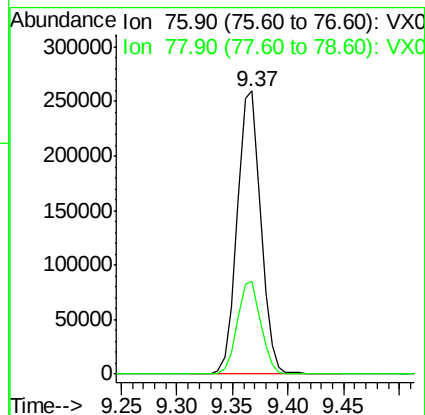
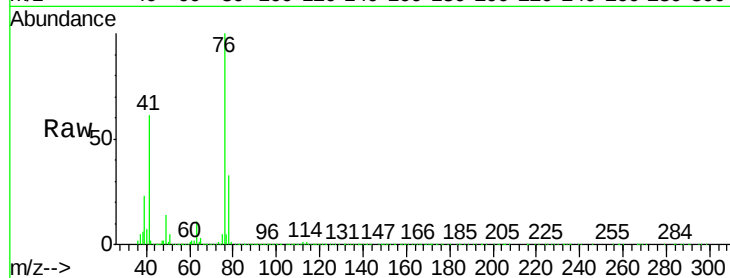
76 100

78 32.4 26.0 39.0

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#58

2-Chloroethyl Vinyl ether

Concen: 252.410 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX014834.D

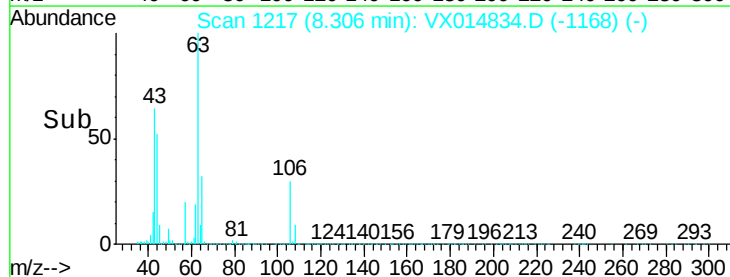
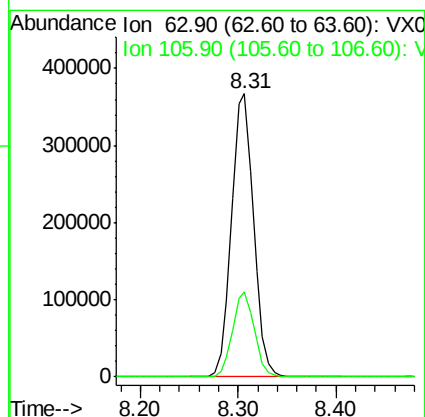
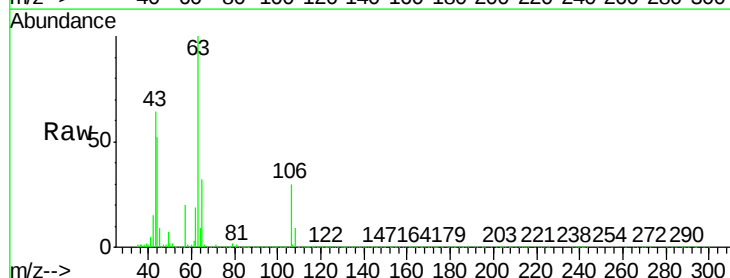
Acq: 05 Feb 2020 19:47

Tgt Ion: 63 Resp: 575027

Ion Ratio Lower Upper

63 100

106 29.6 22.7 34.1





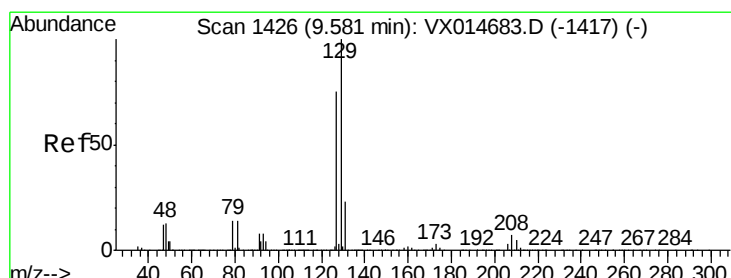
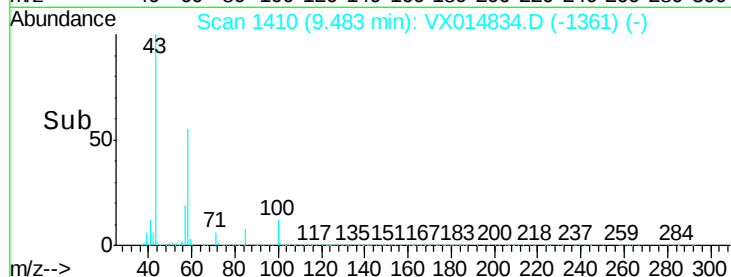
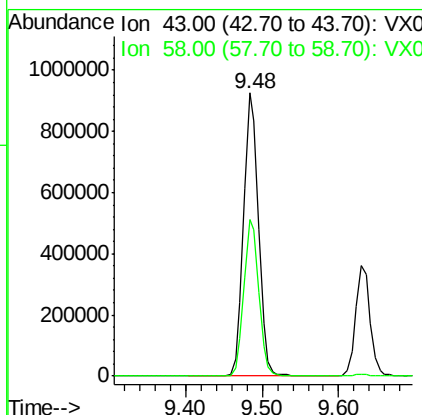
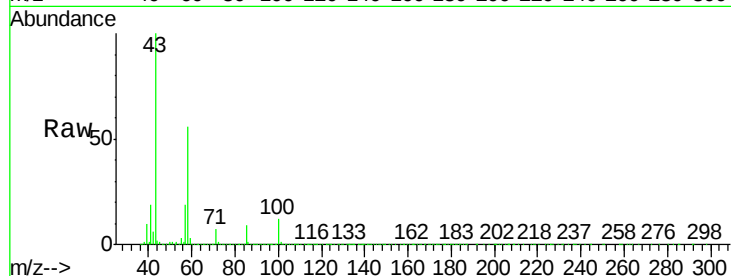
#59
2-Hexanone
Concen: 234.977 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1257364
Ion Ratio Lower Upper
43 100
58 55.4 27.2 81.5

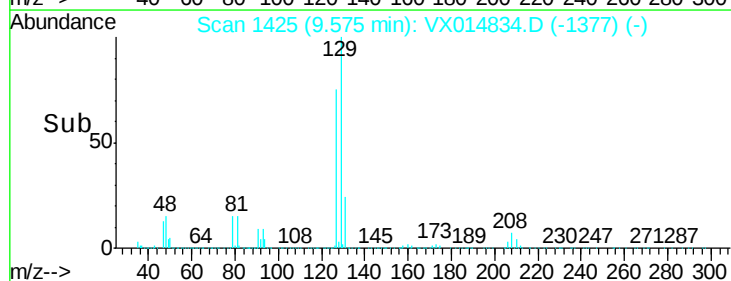
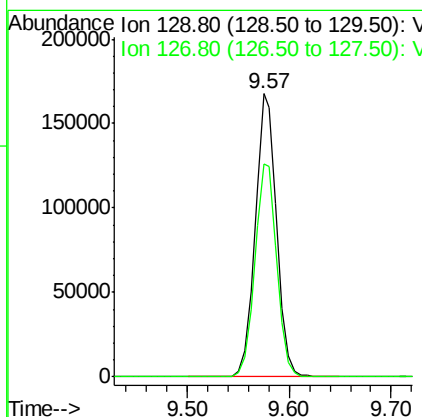
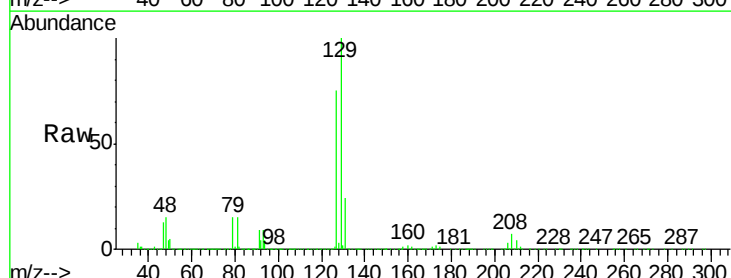
Manual Integrations
APPROVED

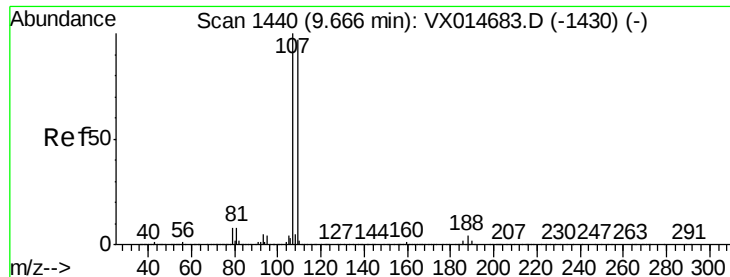
MMDadoda
2/6/2020 1:32:11 PM



#60
Dibromochloromethane
Concen: 51.729 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion: 129 Resp: 244591
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.828 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 238653

Ion Ratio Lower Upper

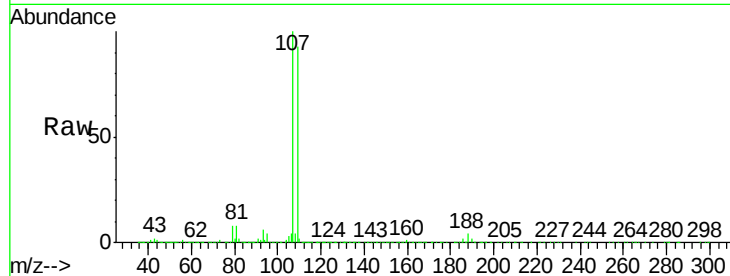
107 100

109 95.0 76.2 114.2

Manual Integrations
APPROVED

MMDadoda

2/6/2020 1:32:11 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

200000

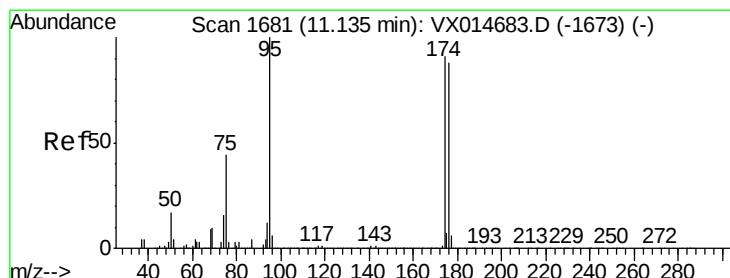
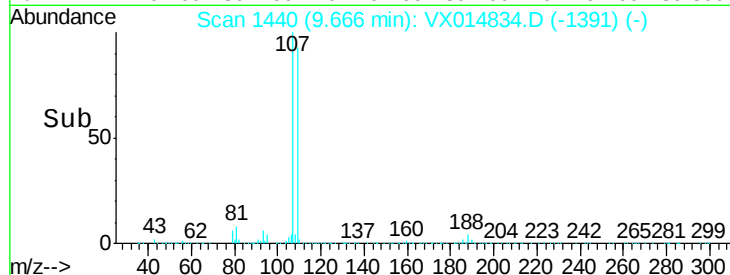
150000

100000

50000

0

Time--> 9.55 9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 47.662 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

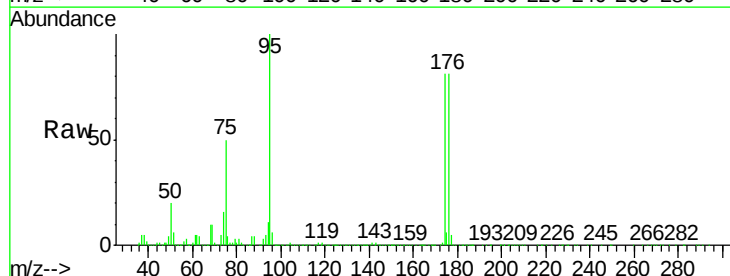
Tgt Ion: 95 Resp: 258206

Ion Ratio Lower Upper

95 100

174 91.0 0.0 176.0

176 88.3 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

250000

200000

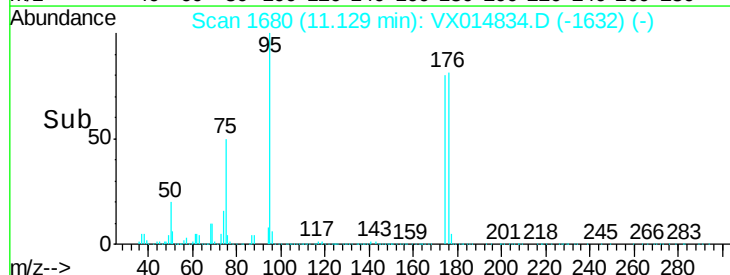
150000

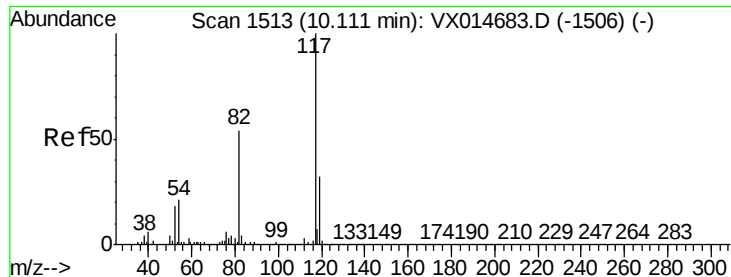
100000

50000

0

Time--> 11.05 11.10 11.15 11.20





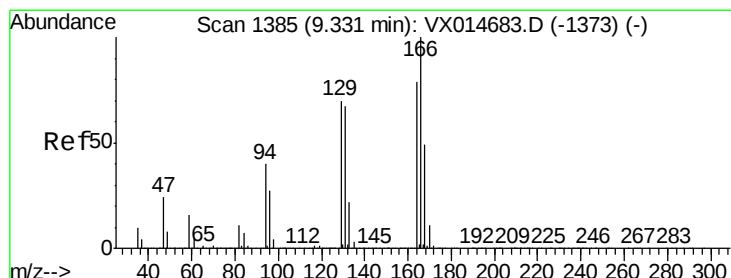
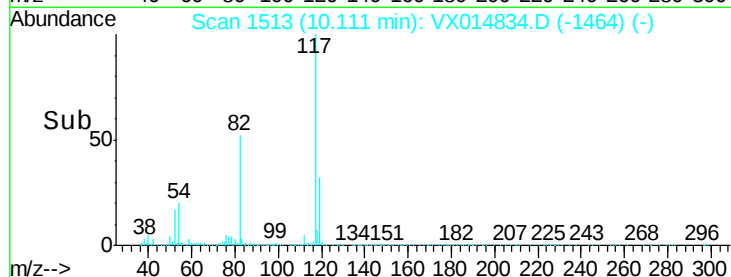
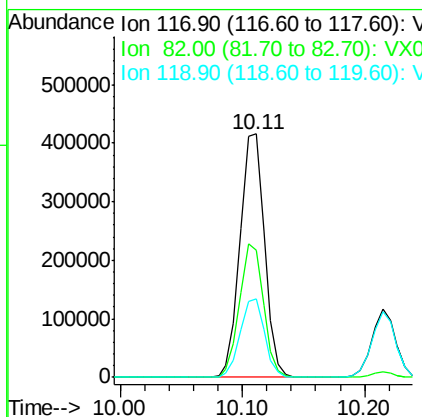
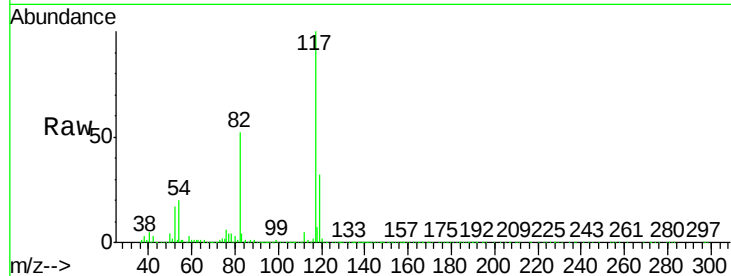
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.2	64.8
119	32.2	25.8	38.6

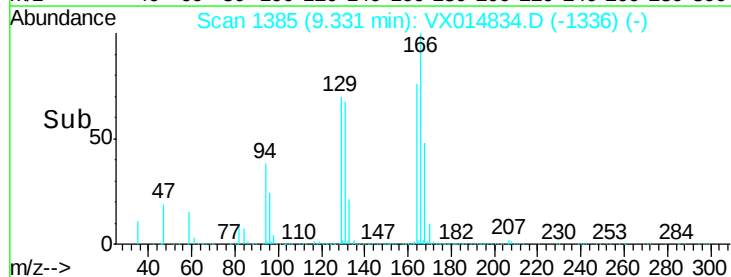
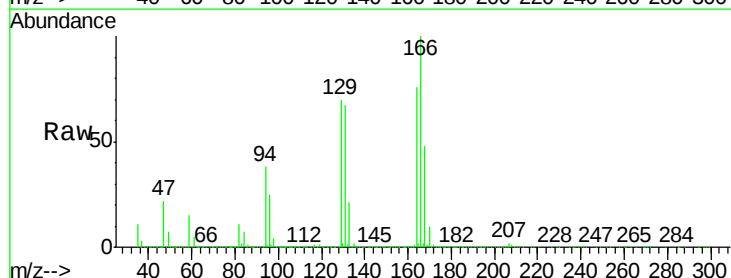
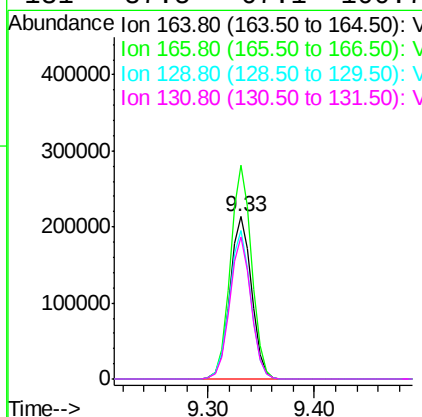
Manual Integrations
APPROVED

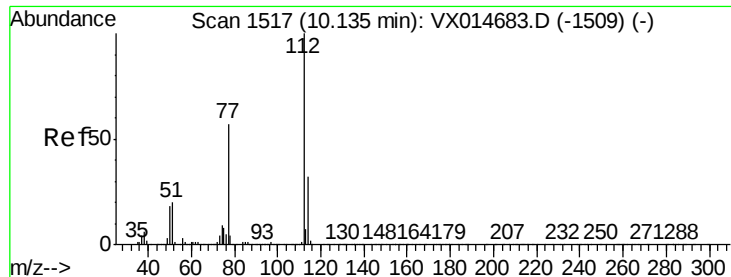
MMDadoda
2/6/2020 1:32:11 PM



#64
Tetrachloroethene
Concen: 53.461 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	100.9	151.3
129	91.3	71.0	106.6
131	87.5	67.1	100.7





#65

Chlorobenzene

Concen: 48.643 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 600969

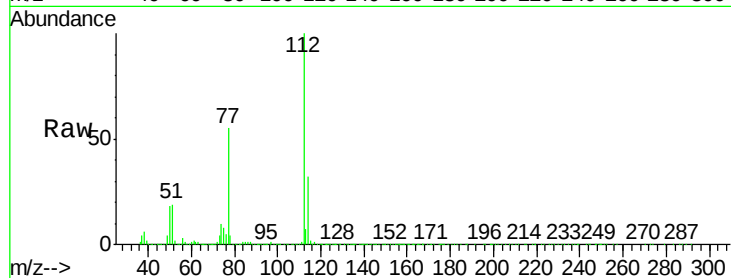
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

400000

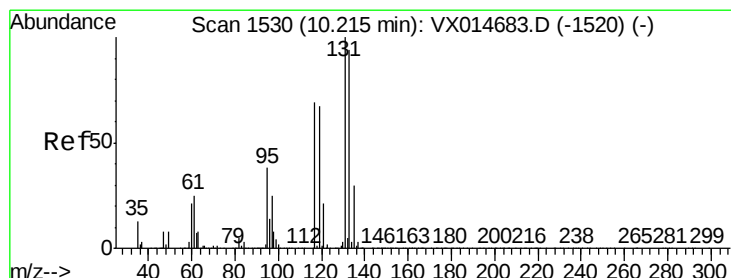
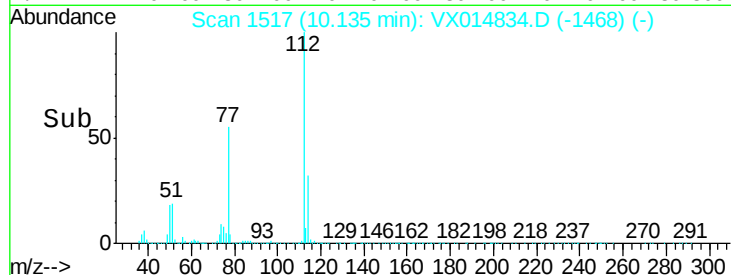
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.011 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

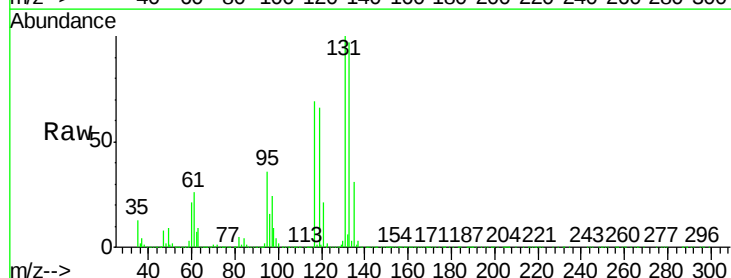
Tgt Ion:131 Resp: 227816

Ion Ratio Lower Upper

131 100

133 95.8 47.4 142.3

119 66.3 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

200000

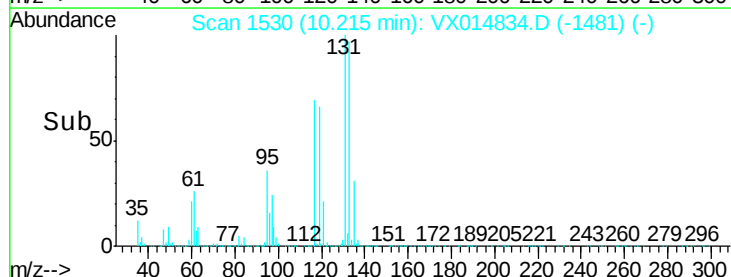
150000

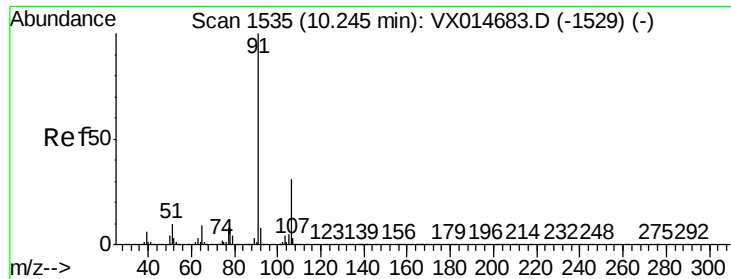
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 49.977 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1054299

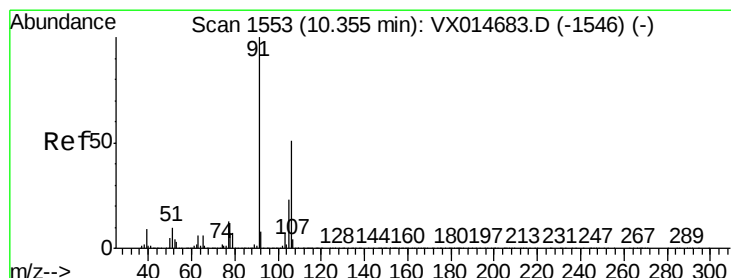
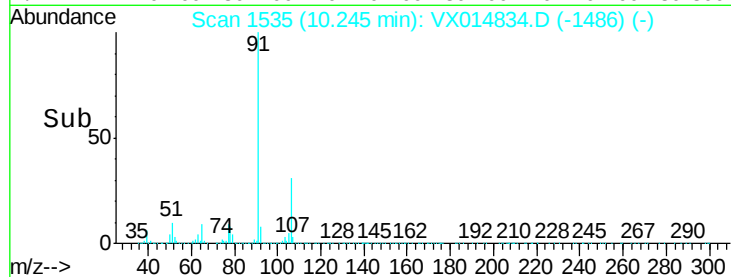
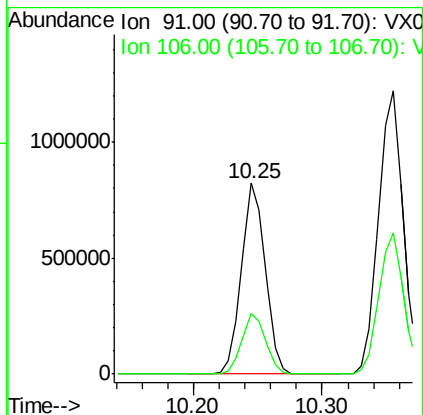
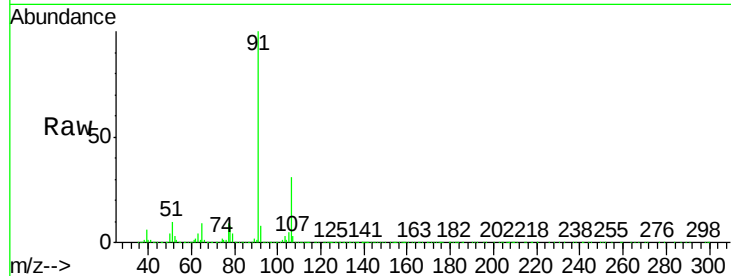
Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#68

m/p-Xylenes

Concen: 100.727 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014834.D

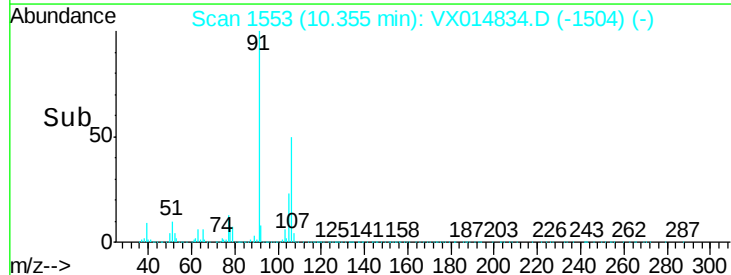
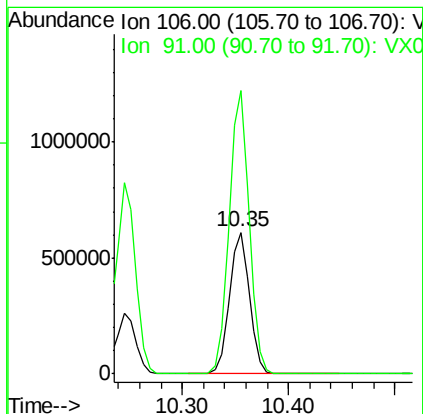
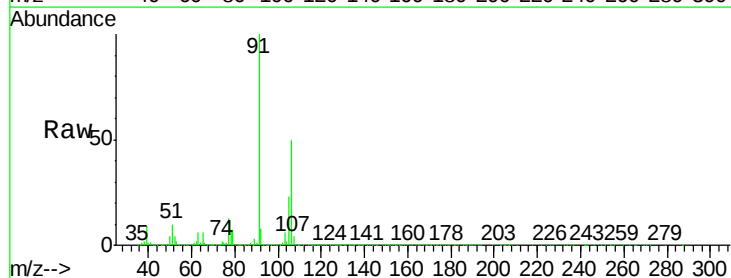
Acq: 05 Feb 2020 19:47

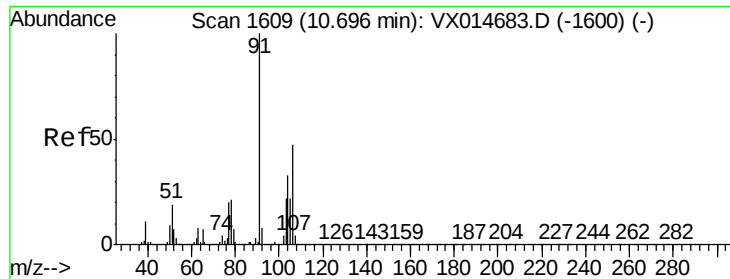
Tgt Ion: 106 Resp: 805009

Ion Ratio Lower Upper

106 100

91 199.4 159.4 239.2





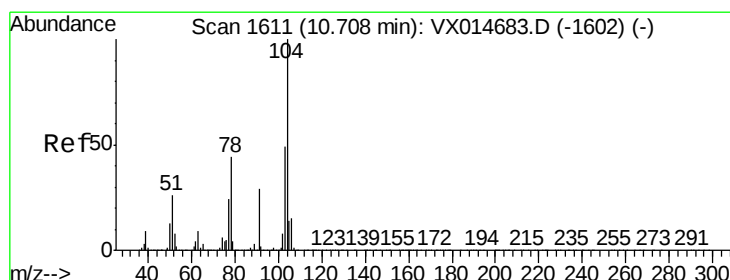
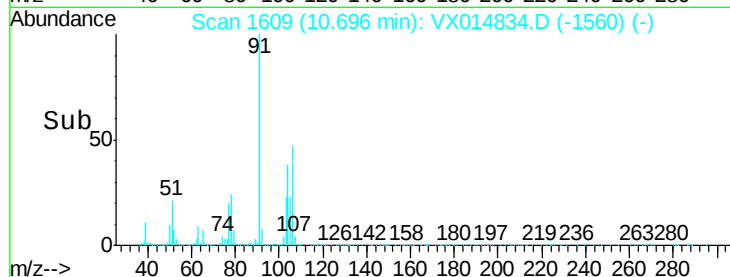
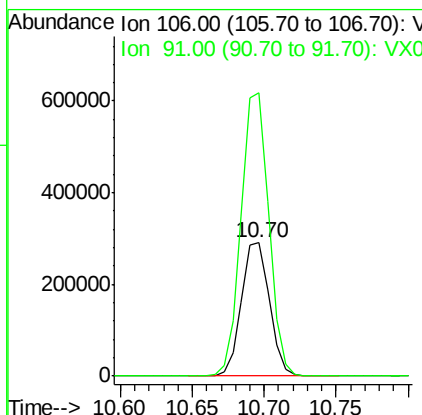
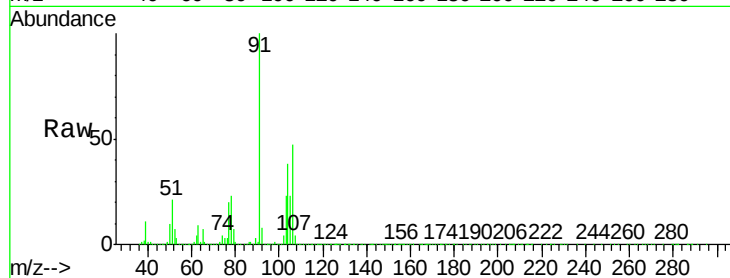
#69
o-Xylene
Concen: 50.809 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
106	100	392018		
91	210.8	106.2	318.6	

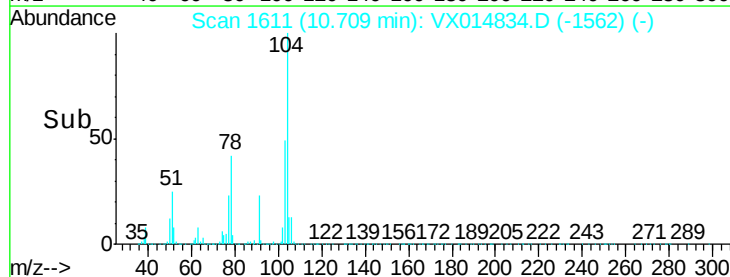
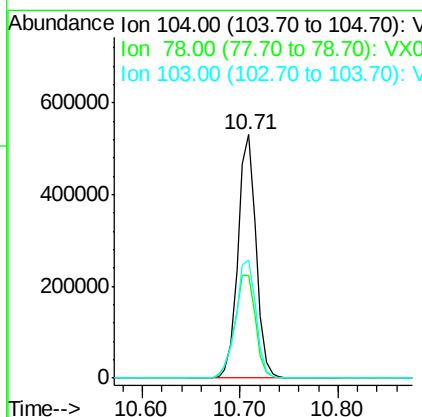
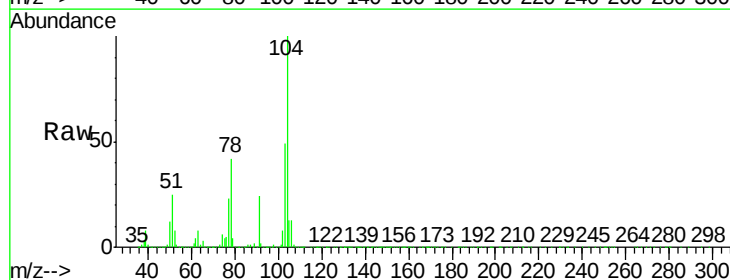
Manual Integrations
APPROVED

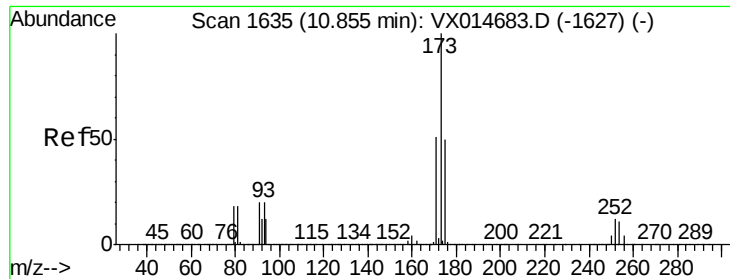
MMDadoda
2/6/2020 1:32:11 PM



#70
Styrene
Concen: 52.316 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	677090		
78	49.0	39.3	58.9	
103	54.1	43.5	65.3	





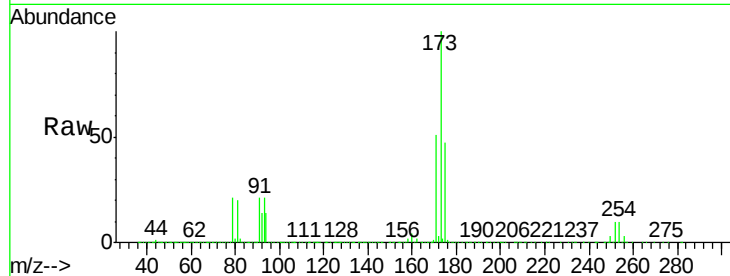
#71
Bromoform
Concen: 53.052 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

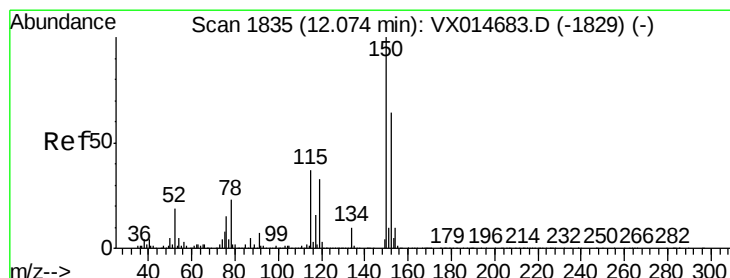
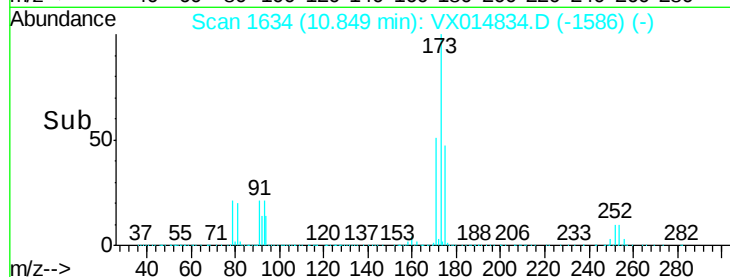
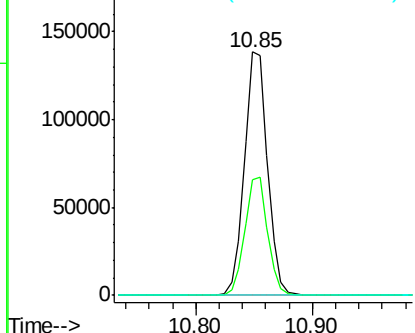
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.6
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM

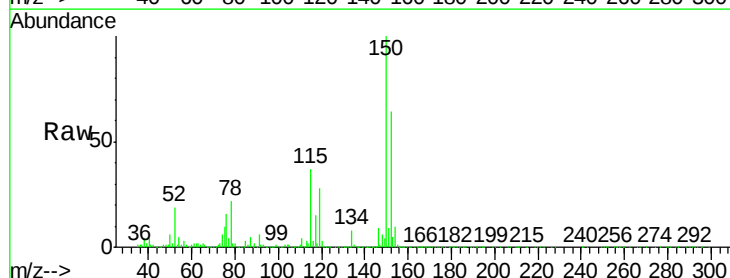


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

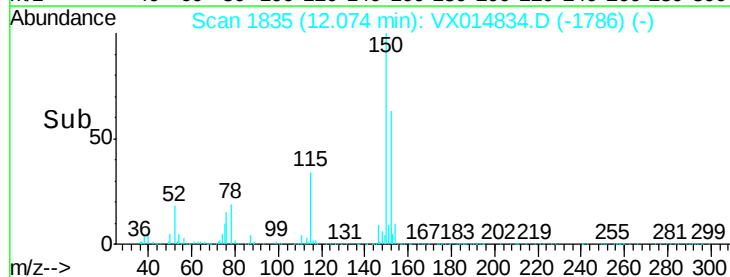
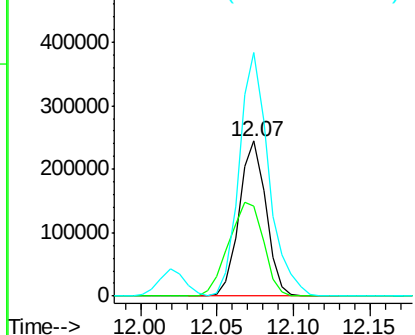


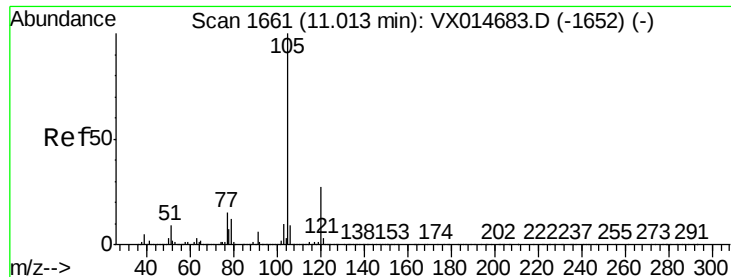
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.0	39.4	118.1
150	173.2	0.0	351.2



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: 50.030 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1043612

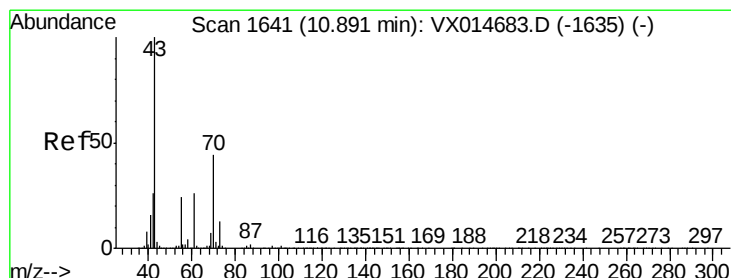
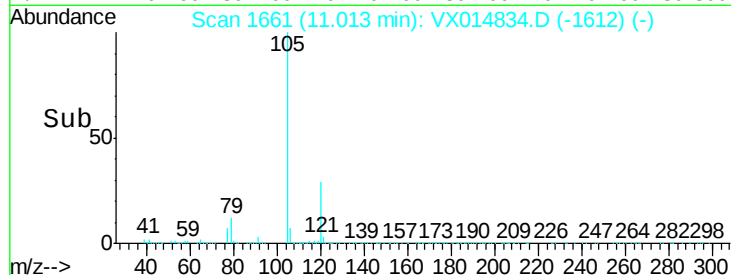
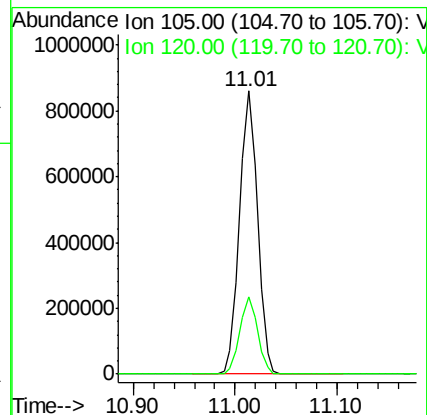
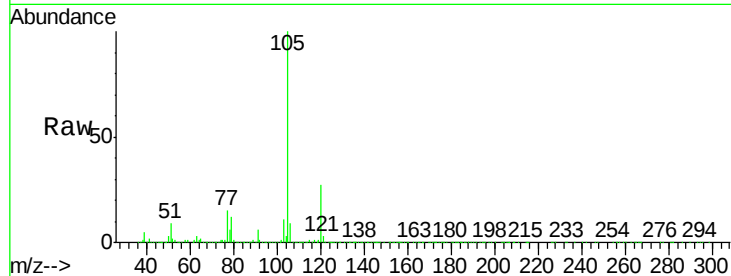
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#74

N-ethyl acetate

Concen: 51.679 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion: 43 Resp: 472403

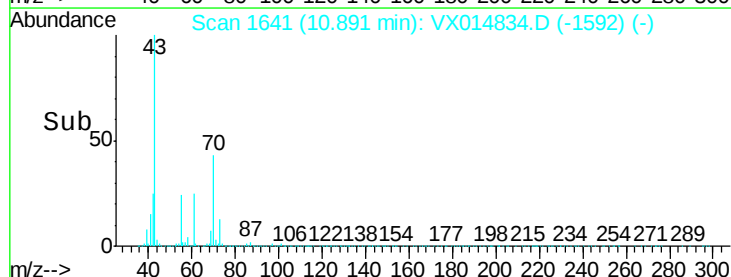
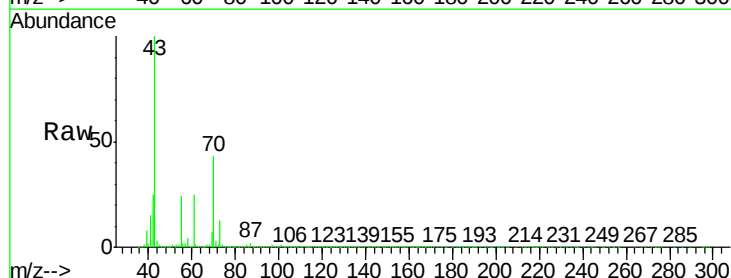
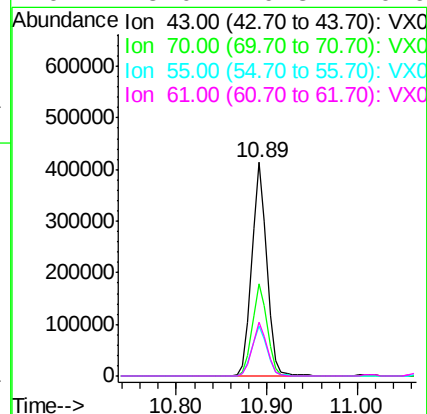
Ion Ratio Lower Upper

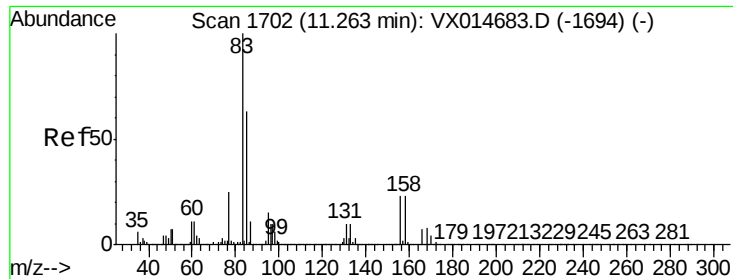
43 100

70 43.2 34.6 52.0

55 23.8 19.4 29.2

61 25.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.844 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

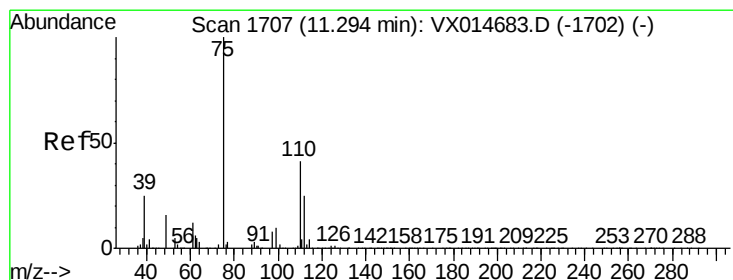
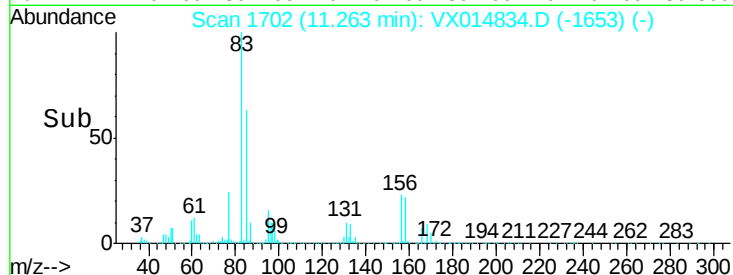
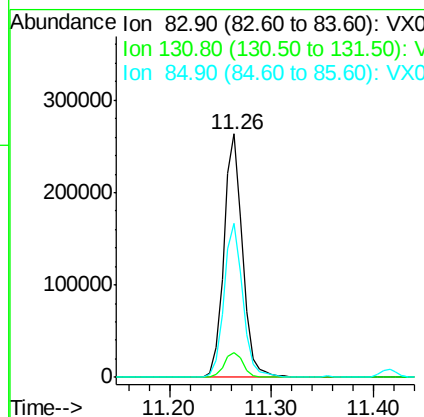
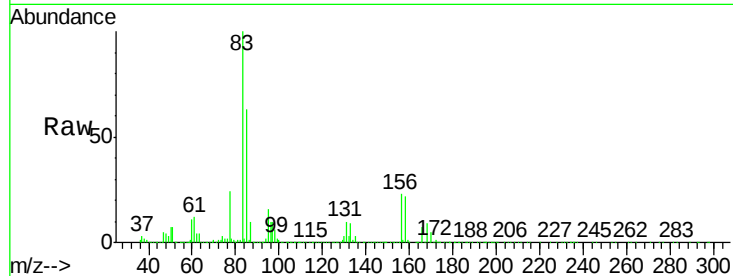
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	333997
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.0	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#76

1,2,3-Trichloropropane

Concen: 41.696 ug/l m

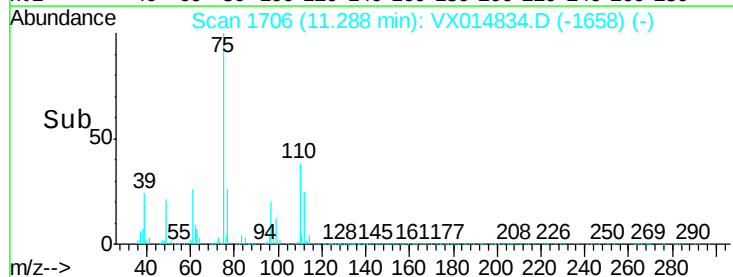
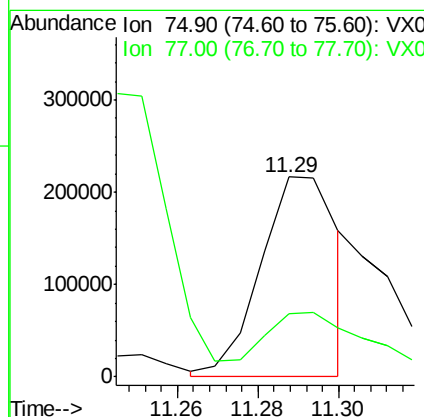
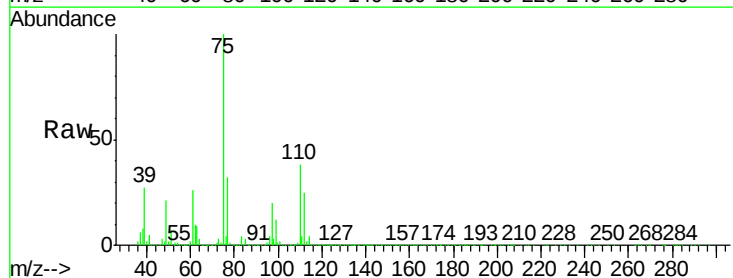
RT: 11.29 min Scan# 1706

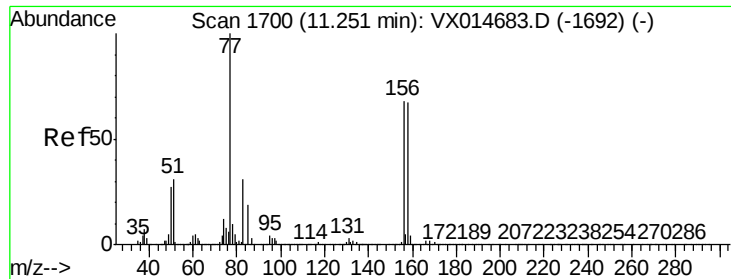
Delta R.T. -0.01 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	75	Resp:	287796
Ion Ratio	Lower	Upper	
75	100		
77	42.6	18.7	56.1





#77

Bromobenzene

Concen: 48.845 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

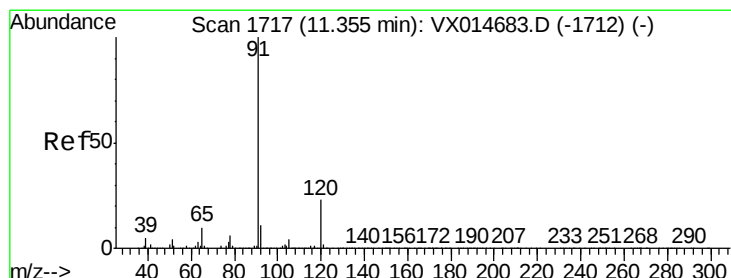
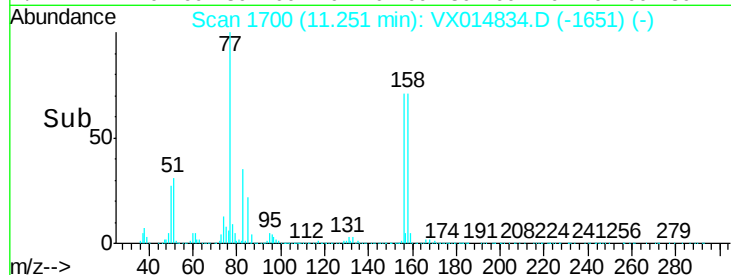
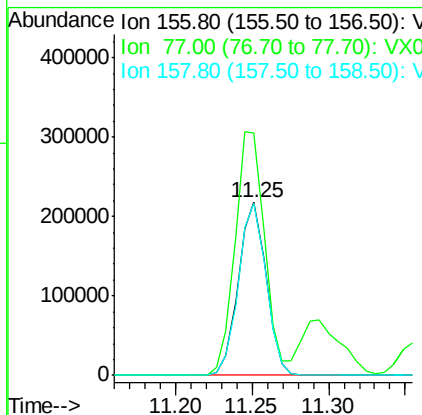
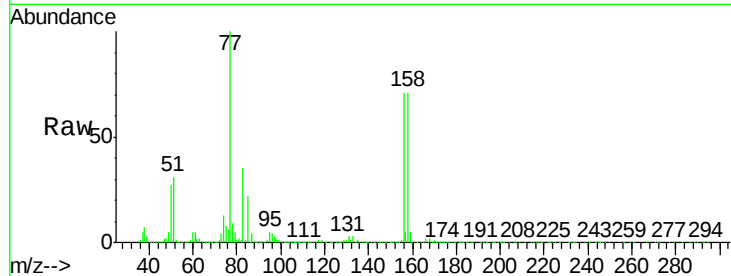
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	273722
Ion Ratio	Lower	Upper	
156	100		
77	148.9	77.5	232.5
158	99.4	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#78

n-propylbenzene

Concen: 49.903 ug/l

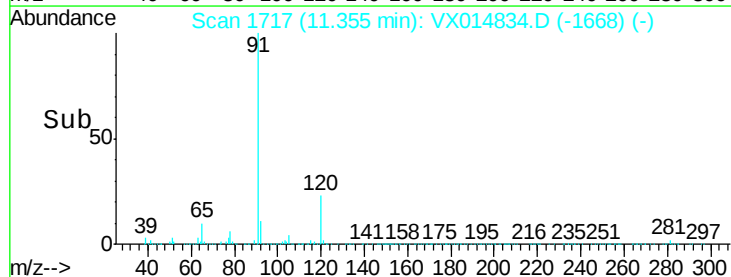
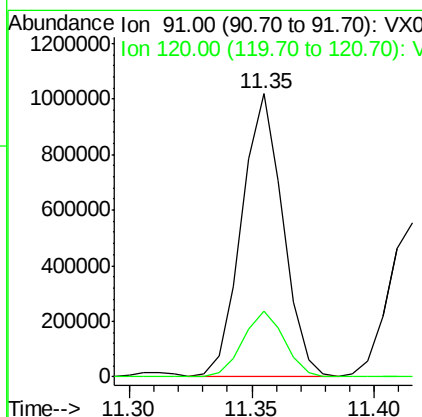
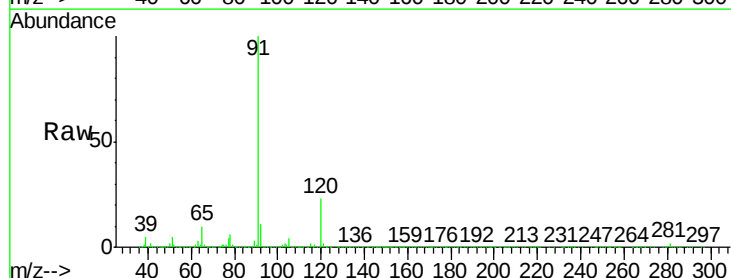
RT: 11.35 min Scan# 1717

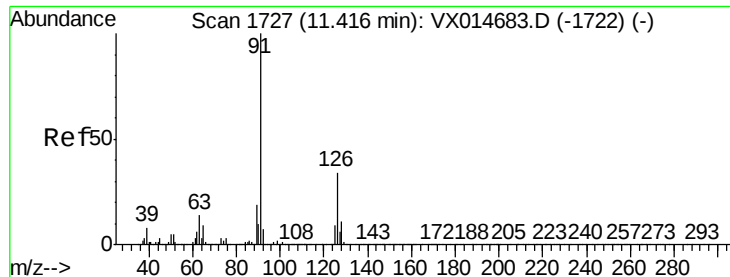
Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	91	Resp:	1181594
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 48.587 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 696085

Ion Ratio Lower Upper

91 100

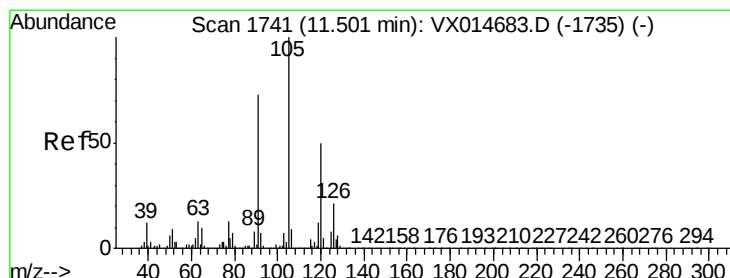
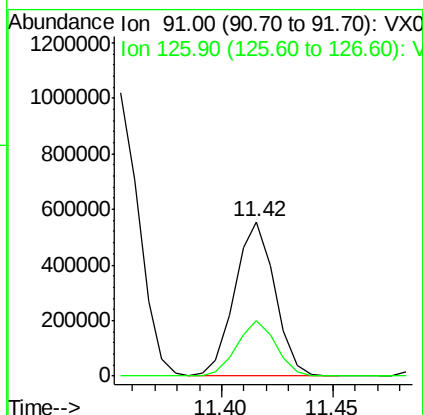
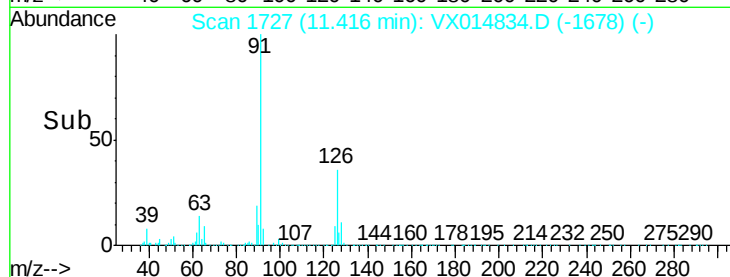
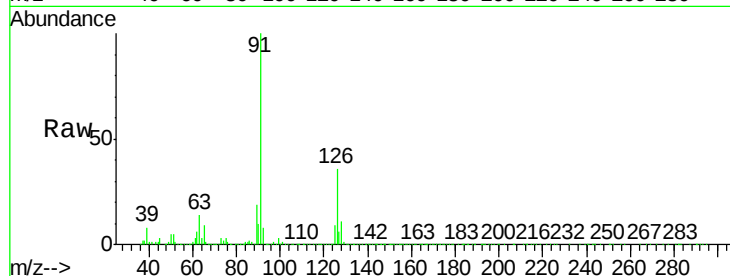
126 35.3 17.3 51.9

Manual Integrations

APPROVED

MMDadoda

2/6/2020 1:32:11 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.193 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014834.D

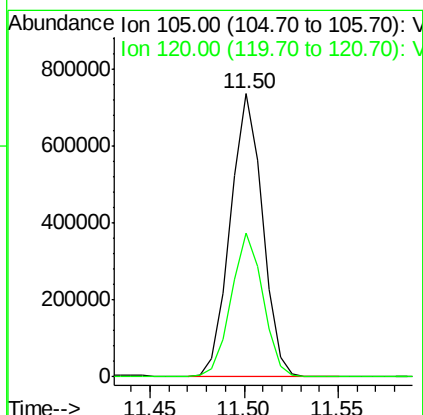
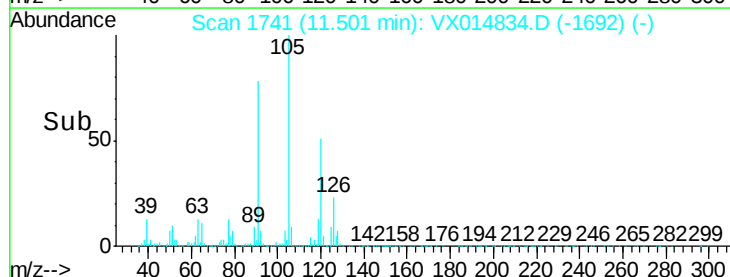
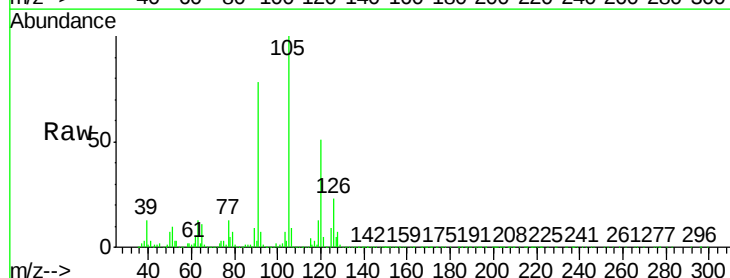
Acq: 05 Feb 2020 19:47

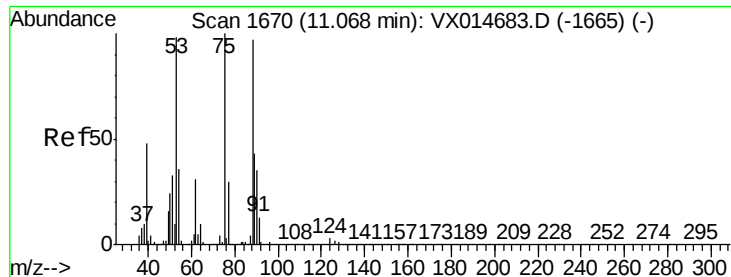
Tgt Ion: 105 Resp: 868988

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.6





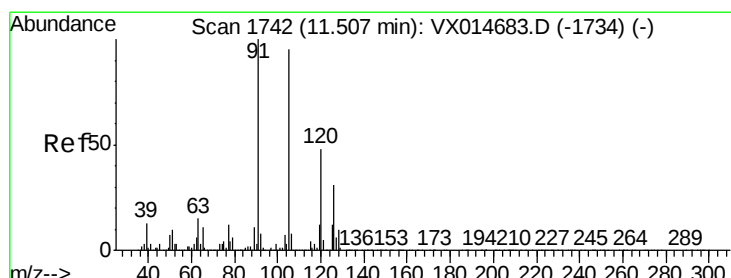
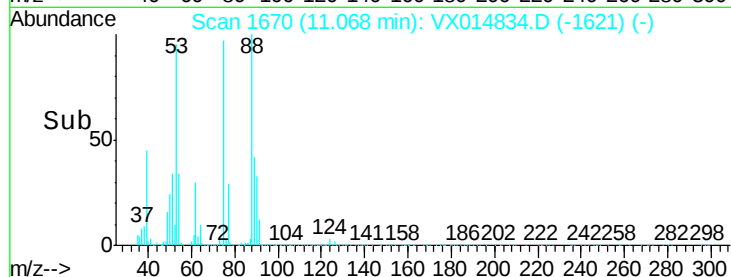
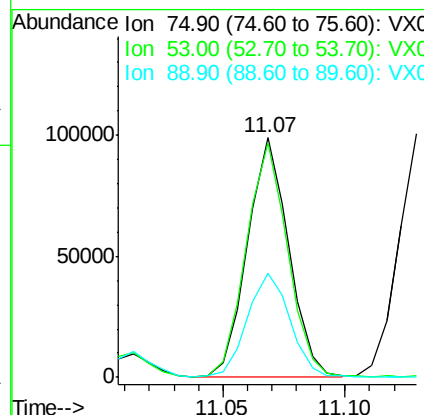
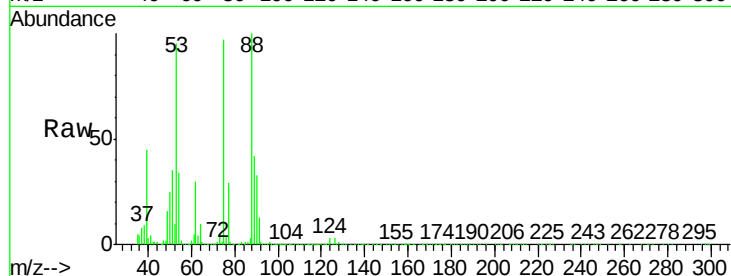
#81
trans-1,4-Dichloro-2-butene
Concen: 47.490 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	78.8	118.2
89	45.5	35.4	53.0

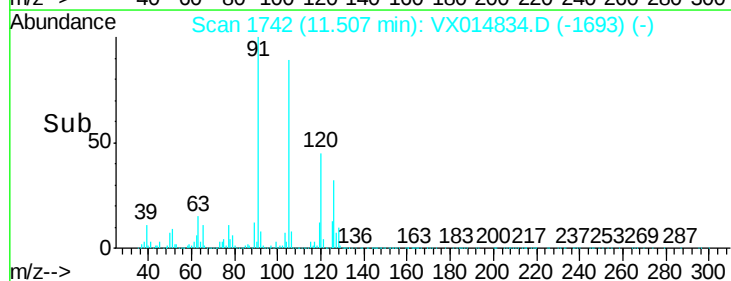
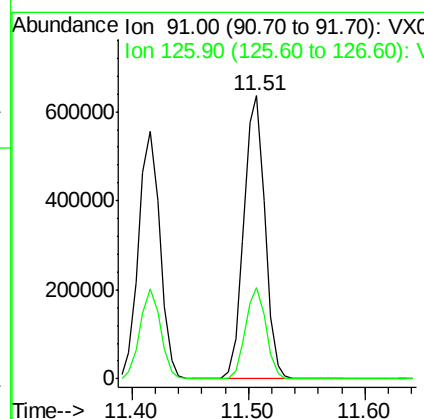
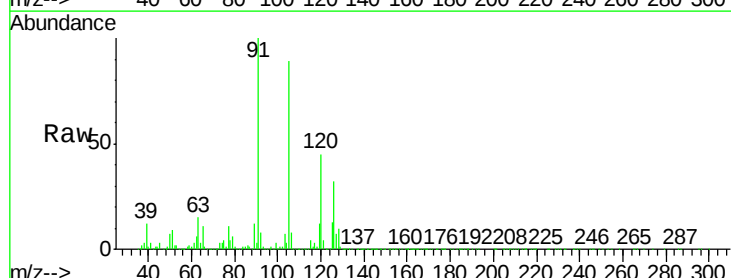
Manual Integrations
APPROVED

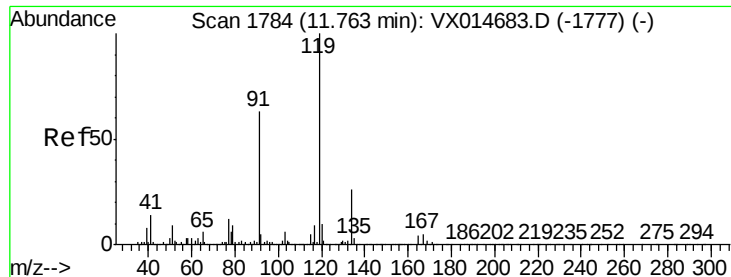
MMDadoda
2/6/2020 1:32:11 PM



#82
4-Chlorotoluene
Concen: 49.500 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.4	46.4





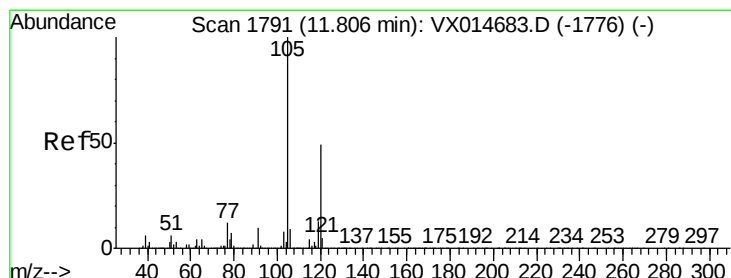
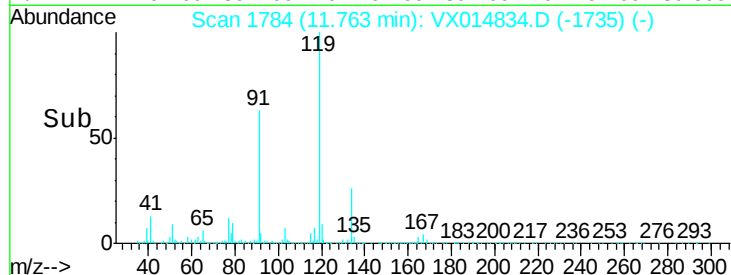
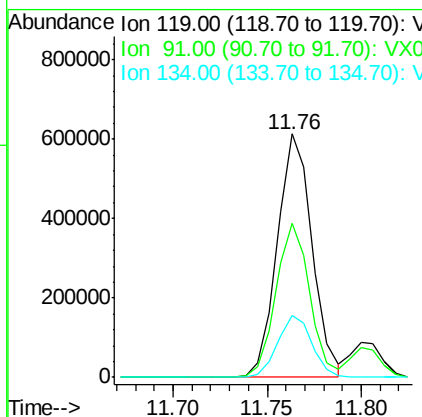
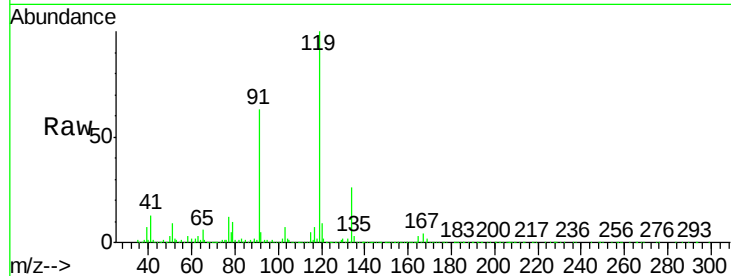
#83
tert-Butylbenzene
Concen: 48.216 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.0	90.0
134	25.2	12.7	38.0

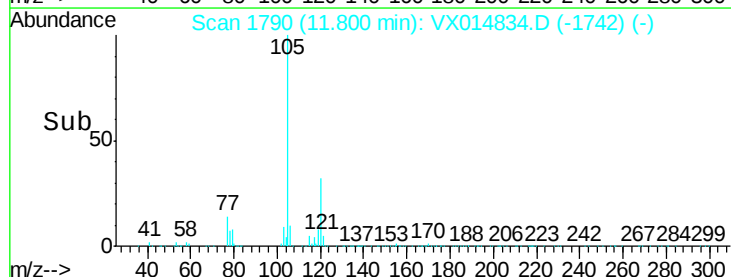
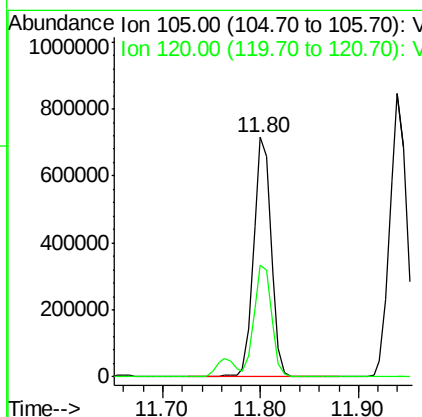
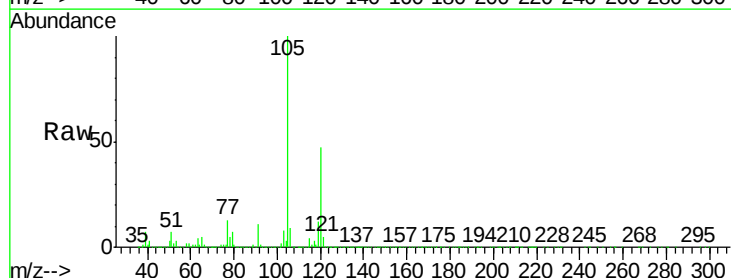
Manual Integrations
APPROVED

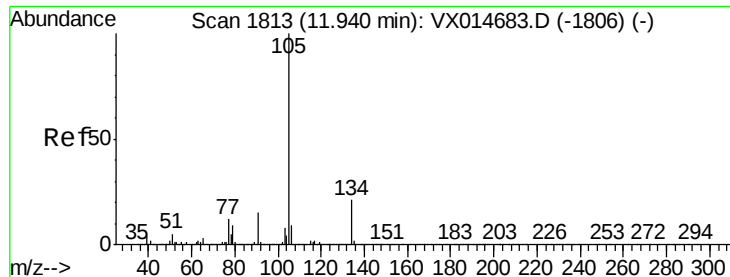
MMDadoda
2/6/2020 1:32:11 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.964 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.4	70.0





#85

sec-Butylbenzene

Concen: 50.743 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1011295

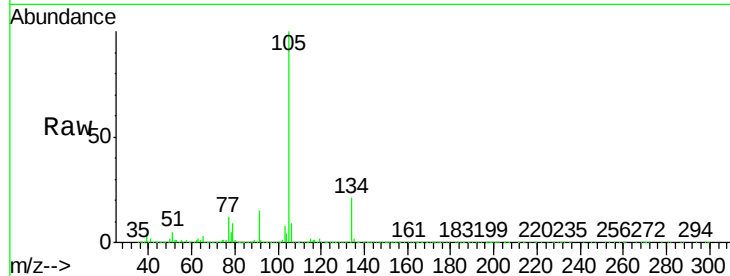
Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.8

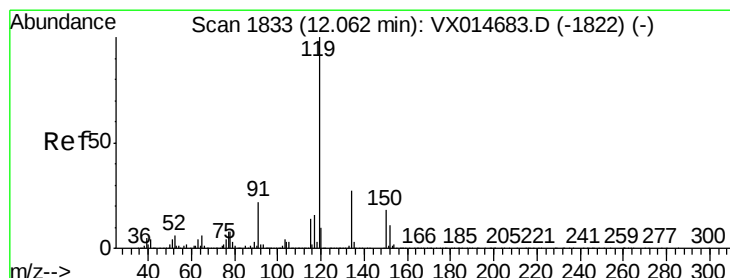
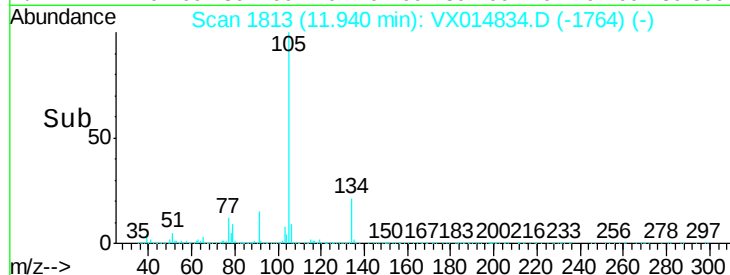
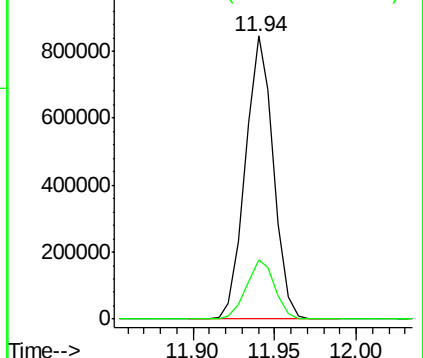
Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.617 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

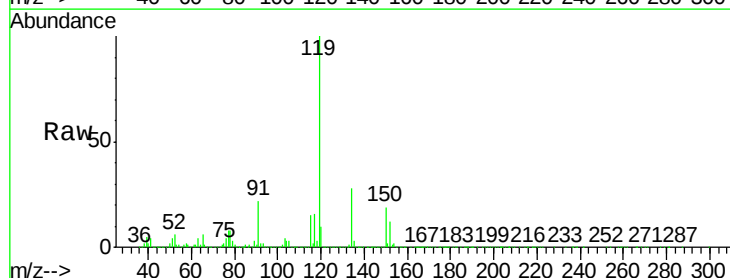
Tgt Ion:119 Resp: 932270

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

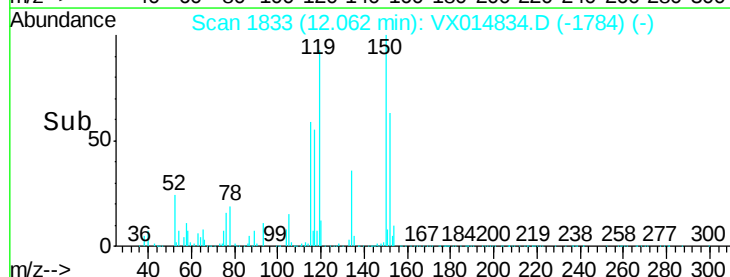
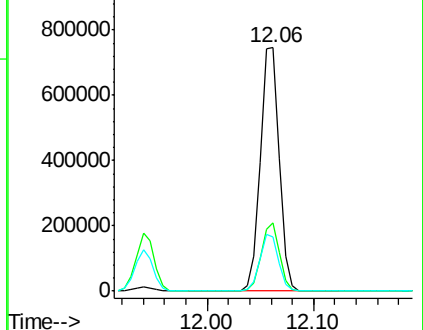
91 22.9 11.3 33.8

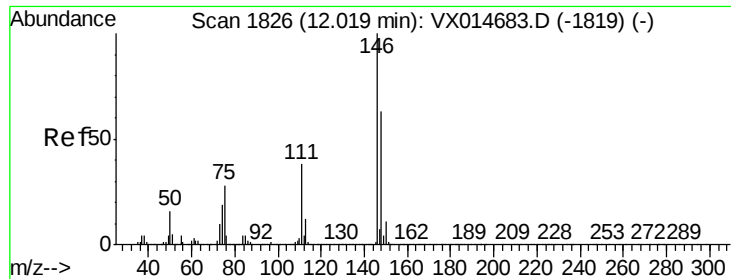


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.552 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

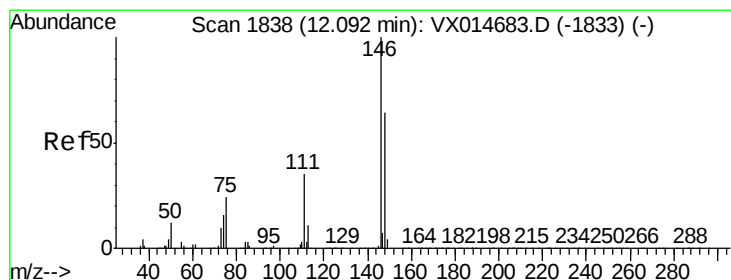
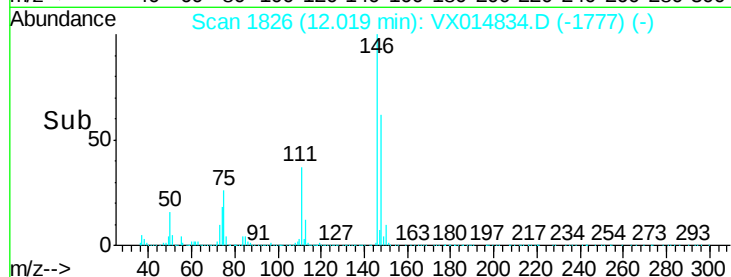
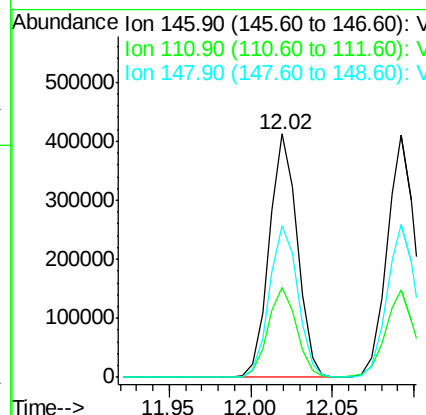
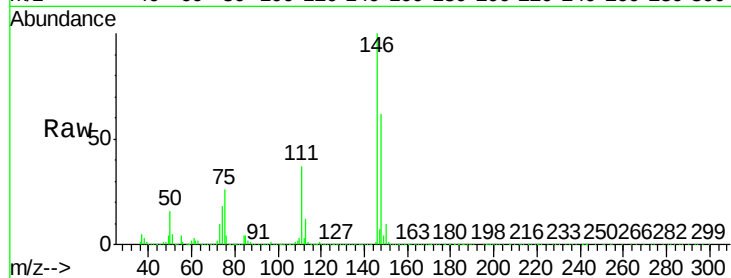
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.0	57.0
148	63.3	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#88

1,4-Dichlorobenzene

Concen: 48.446 ug/l

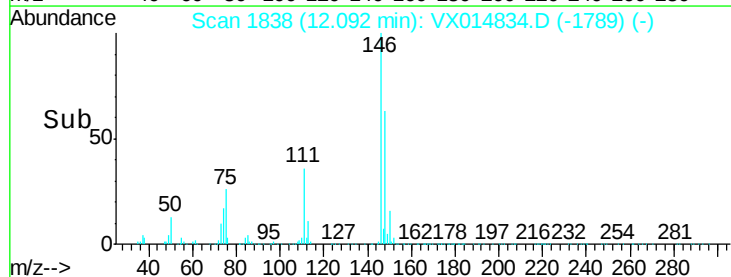
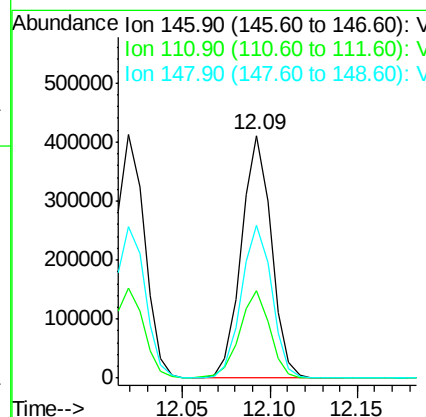
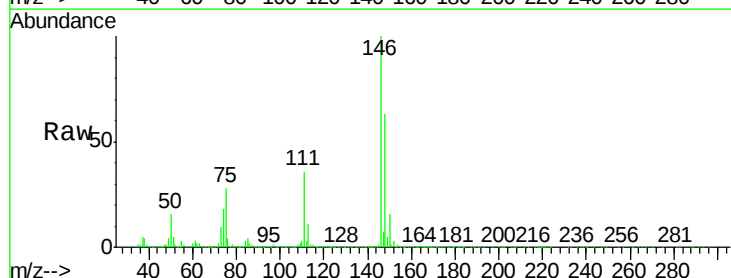
RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.6	55.8
148	64.1	32.0	96.2





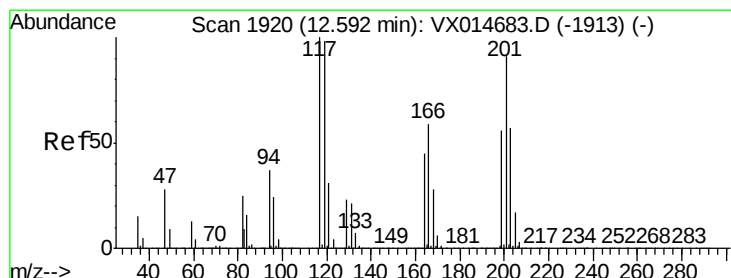
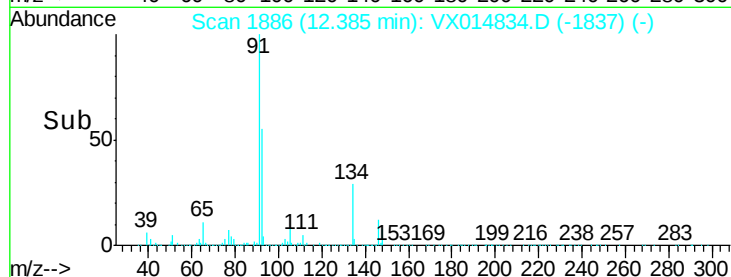
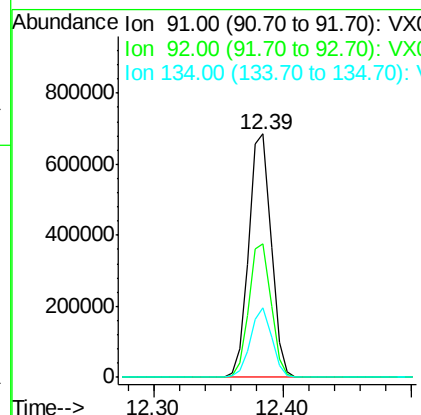
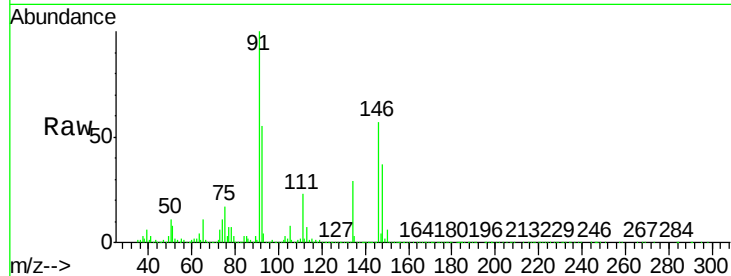
#89
n-Butylbenzene
Concen: 50.905 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.6	82.7
134	27.2	13.3	39.8

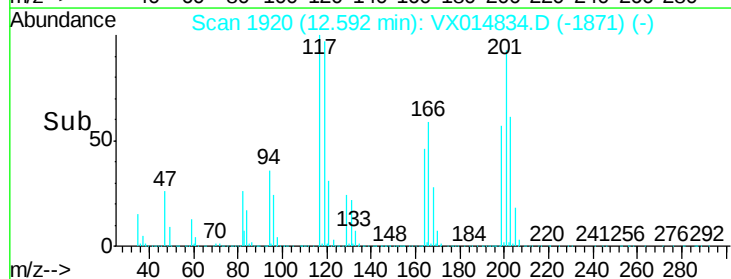
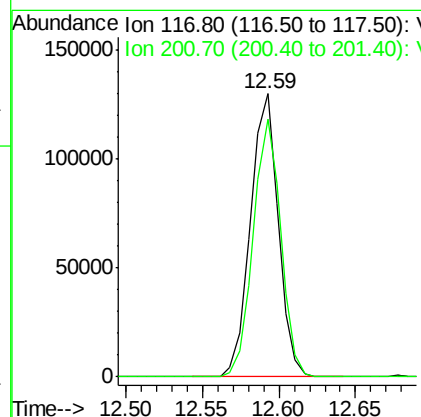
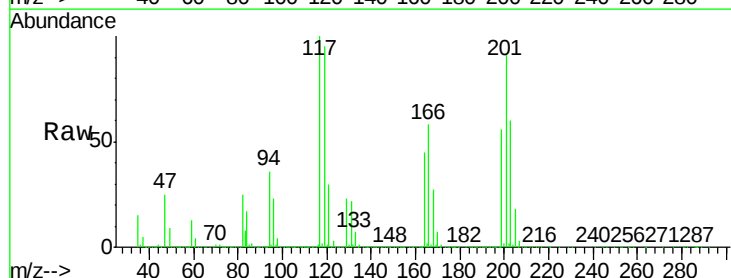
Manual Integrations
APPROVED

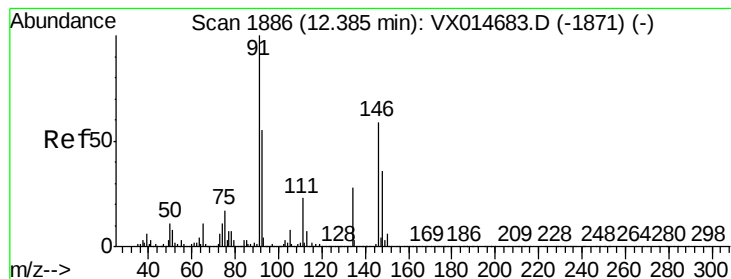
MMDadoda
2/6/2020 1:32:11 PM



#90
Hexachloroethane
Concen: 47.676 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 49.116 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Instrument :

MSVOA_X

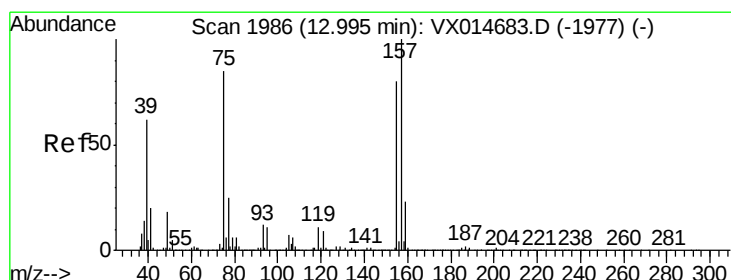
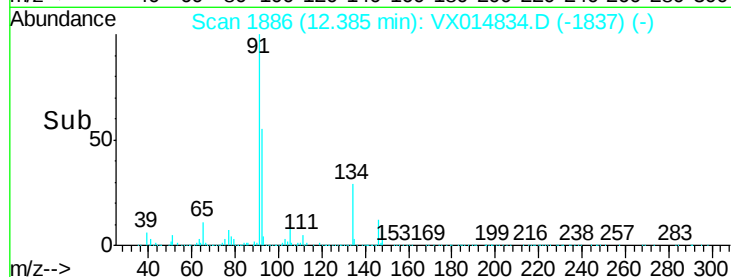
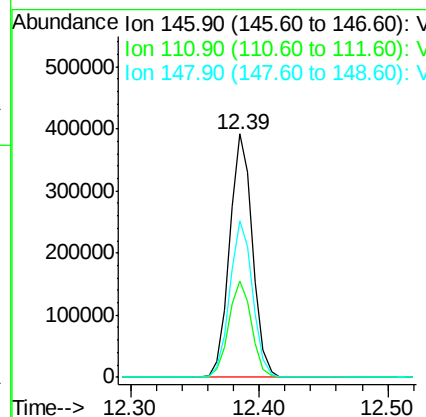
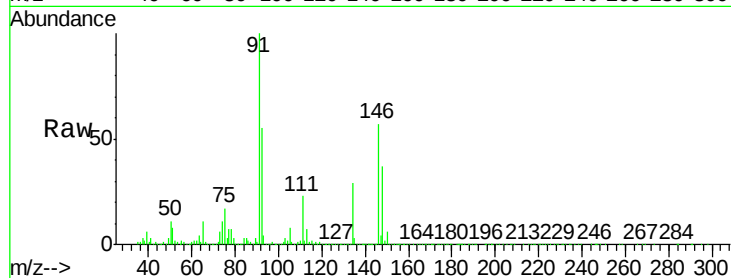
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	491289
Ion Ratio	Lower	Upper	
146	100		
111	39.6	19.6	58.8
148	63.9	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.424 ug/l

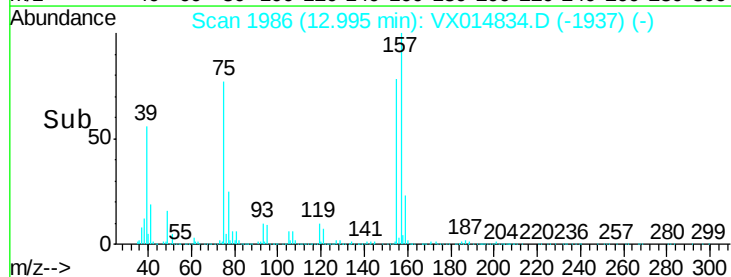
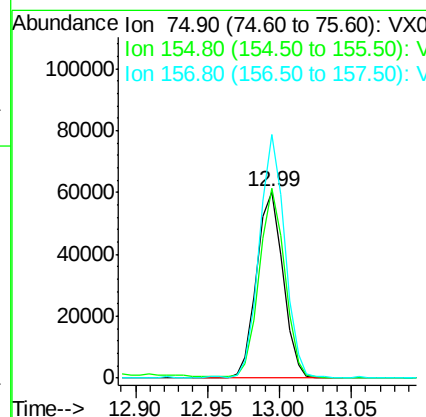
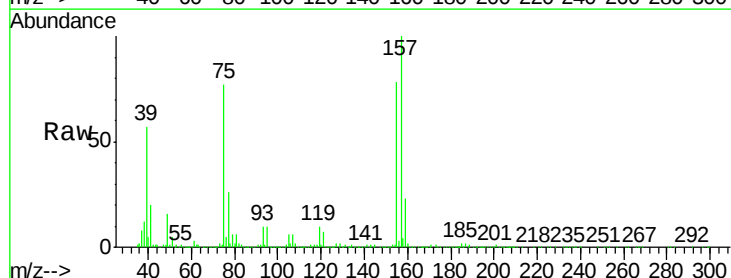
RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014834.D

Acq: 05 Feb 2020 19:47

Tgt Ion:	75	Resp:	75888
Ion Ratio	Lower	Upper	
75	100		
155	97.1	45.6	136.9
157	125.5	60.3	180.9





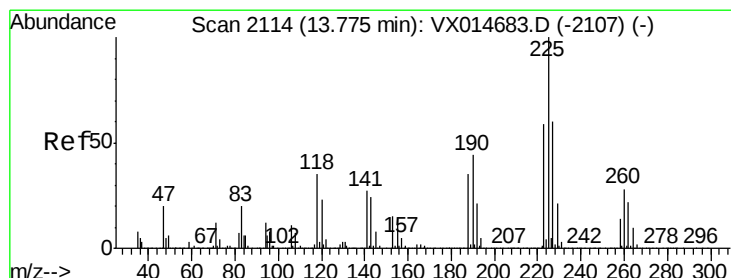
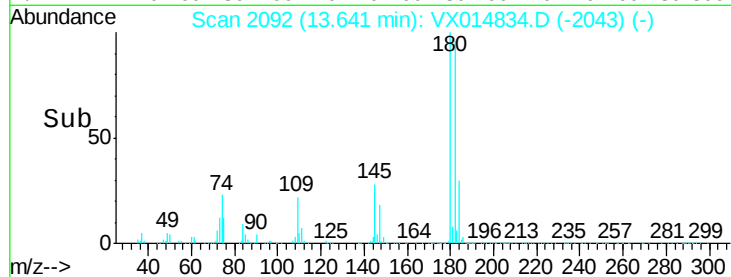
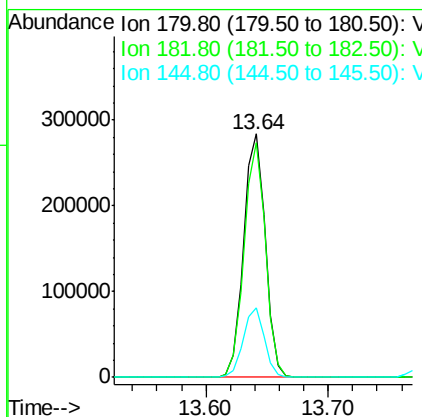
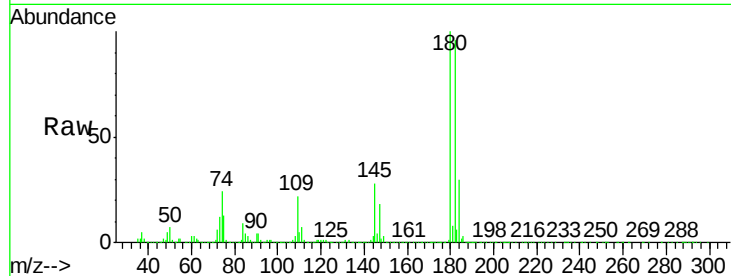
#93
1,2,4-Trichlorobenzene
Concen: 53.932 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	347804		
182	95.2	48.5	145.6	
145	27.8	14.0	41.9	

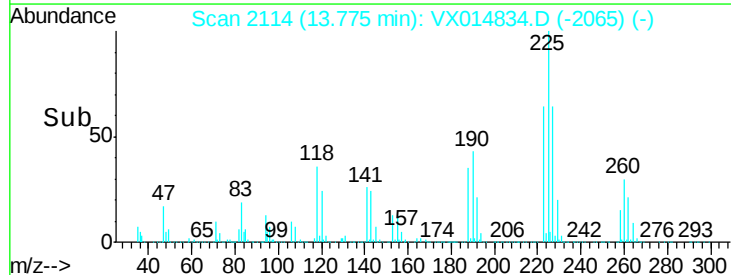
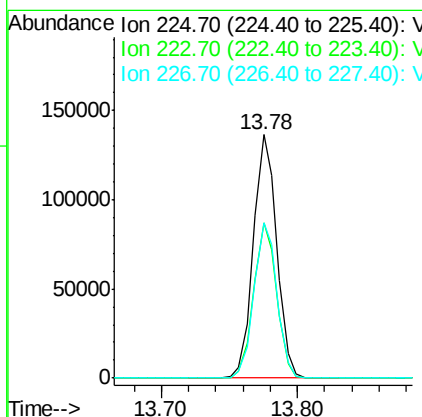
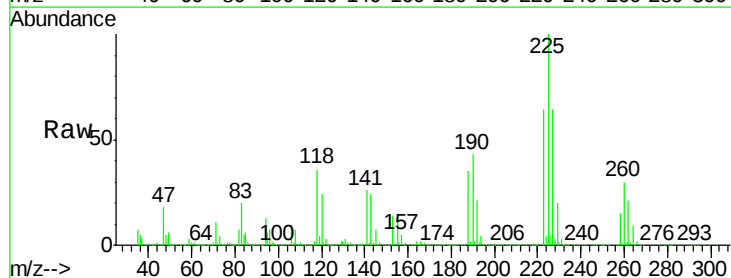
Manual Integrations
APPROVED

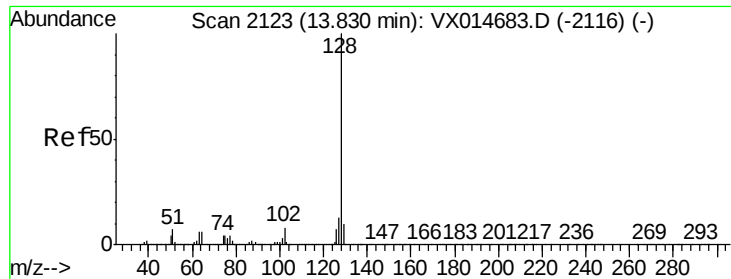
MMDadoda
2/6/2020 1:32:11 PM



#94
Hexachlorobutadiene
Concen: 49.600 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164631		
223	63.1	30.6	91.8	
227	63.0	31.4	94.0	





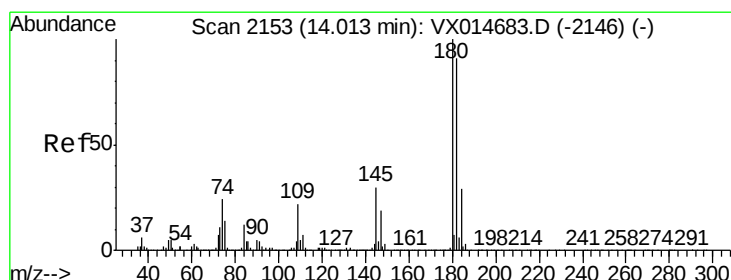
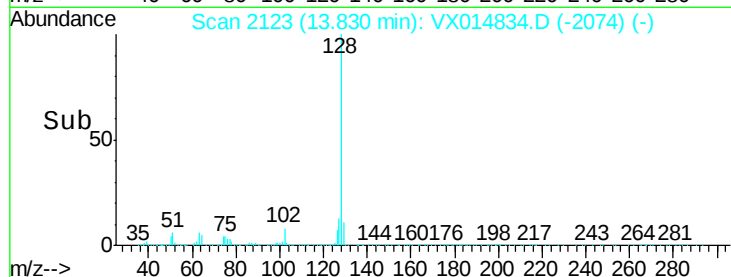
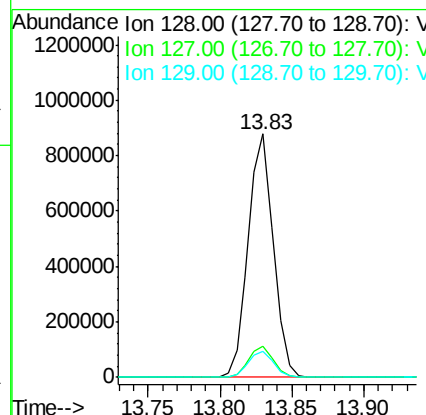
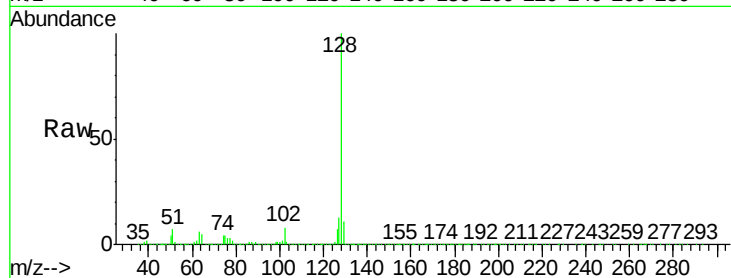
#95
Naphthalene
Concen: 50.986 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/6/2020 1:32:11 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.576 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014834.D
Acq: 05 Feb 2020 19:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	46.6	139.7
145	30.4	14.7	44.1

