

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012020\
 Data File : VX014671.D
 Acq On : 20 Jan 2020 16:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 2:15:03 PM

Quant Time: Jan 21 00:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	445160	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.84	114	664088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	602312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	254948	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	5.48	113	208555	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	8.71	98	800854	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.13	95	287029	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	265016	47.961	ug/l	99
3) Chloromethane	1.32	50	271515	47.849	ug/l	99
4) Vinyl Chloride	1.40	62	318719	50.406	ug/l	97
5) Bromomethane	1.63	94	197497	47.120	ug/l	96
6) Chloroethane	1.72	64	174295	50.601	ug/l	97
7) Trichlorofluoromethane	1.92	101	349785	48.766	ug/l	99
8) Diethyl Ether	2.18	74	154627	47.253	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	222614	51.014	ug/l	97
10) Methyl Iodide	2.50	142	282405	54.046	ug/l	100
11) Tert butyl alcohol	3.03	59	229426	221.107	ug/l	99
12) 1,1-Dichloroethene	2.36	96	216960	49.347	ug/l	97
13) Acrolein	2.28	56	212219	255.169	ug/l	99
14) Allyl chloride	2.72	41	383001	49.618	ug/l	98
15) Acrylonitrile	3.12	53	626682	250.239	ug/l	99
16) Acetone	2.43	43	520772	208.305	ug/l	97
17) Carbon Disulfide	2.56	76	539153	43.949	ug/l	100
18) Methyl Acetate	2.76	43	382900	53.609	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	715725	50.711	ug/l	100
20) Methylene Chloride	2.84	84	247009	49.409	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	224521	46.776	ug/l	98
22) Diisopropyl ether	3.84	45	790527	52.994	ug/l	100
23) Vinyl Acetate	3.80	43	3100188	268.432	ug/l	99
24) 1,1-Dichloroethane	3.69	63	418967	51.629	ug/l	99
25) 2-Butanone	4.65	43	855220	230.388	ug/l	98
26) 2,2-Dichloropropane	4.57	77	337401	49.082	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	262406	48.904	ug/l	98
28) Bromochloromethane	5.00	49	168566	49.297	ug/l	93
29) Tetrahydrofuran	5.11	42	556367	253.501	ug/l	98
30) Chloroform	5.19	83	409661	51.661	ug/l	99
31) Cyclohexane	5.56	56	378682	49.855	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	345025	50.831	ug/l	98
36) 1,1-Dichloropropene	5.78	75	313707	50.232	ug/l	98
37) Ethyl Acetate	4.81	43	335677	49.484	ug/l	99
38) Carbon Tetrachloride	5.77	117	300809	52.342	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012020\
 Data File : VX014671.D
 Acq On : 20 Jan 2020 16:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 2:15:03 PM

Quant Time: Jan 21 00:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	393751	50.185	ug/l	98
40) Benzene	6.13	78	945360	51.003	ug/l	99
41) Methacrylonitrile	5.02	41	194158	53.672	ug/l	97
42) 1,2-Dichloroethane	6.17	62	333004	51.383	ug/l	99
43) Isopropyl Acetate	6.43	43	564114	51.478	ug/l	99
44) Trichloroethene	7.20	130	259987	48.808	ug/l	96
45) 1,2-Dichloropropane	7.50	63	249651	52.829	ug/l	97
46) Dibromomethane	7.65	93	158672	48.107	ug/l	98
47) Bromodichloromethane	7.89	83	324379	54.049	ug/l	99
48) Methyl methacrylate	7.76	41	282074	53.744	ug/l	99
49) 1,4-Dioxane	7.73	88	99945	898.713	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1741251	260.757	ug/l	99
52) Toluene	8.78	92	594718	50.122	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	359599	51.466	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	400777	53.098	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	240947	50.557	ug/l	98
56) Ethyl methacrylate	9.17	69	384295	52.632	ug/l	99
57) 1,3-Dichloropropane	9.36	76	406761	51.046	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	635525	255.825	ug/l	98
59) 2-Hexanone	9.48	43	1300107	246.062	ug/l	99
60) Dibromochloromethane	9.57	129	256784	53.606	ug/l	100
61) 1,2-Dibromoethane	9.67	107	251400	49.798	ug/l	100
64) Tetrachloroethene	9.33	164	270967	44.888	ug/l	99
65) Chlorobenzene	10.13	112	642641	49.165	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	241125	51.691	ug/l	99
67) Ethyl Benzene	10.25	91	1141856	51.252	ug/l	99
68) m/p-Xylenes	10.35	106	868527	101.049	ug/l	97
69) o-Xylene	10.69	106	419851	51.196	ug/l	99
70) Styrene	10.71	104	729710	51.560	ug/l	99
71) Bromoform	10.85	173	200065	52.420	ug/l #	100
73) Isopropylbenzene	11.01	105	1126124	51.605	ug/l	100
74) N-amyl acetate	10.89	43	490381	50.935	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	360120	51.459	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	312003m	48.526	ug/l	
77) Bromobenzene	11.25	156	289767	47.882	ug/l	99
78) n-propylbenzene	11.35	91	1304998	52.218	ug/l	99
79) 2-Chlorotoluene	11.42	91	751977	50.486	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	944412	52.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	126010	51.814	ug/l	98
82) 4-Chlorotoluene	11.51	91	886354	50.696	ug/l	98
83) tert-Butylbenzene	11.76	119	898342	52.478	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	957419	52.298	ug/l	99
85) sec-Butylbenzene	11.94	105	1115563	52.421	ug/l	99
86) p-Isopropyltoluene	12.06	119	1023756	51.842	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	521069	47.977	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	520187	50.994	ug/l	99
89) n-Butylbenzene	12.39	91	918232	50.855	ug/l	99
90) Hexachloroethane	12.59	117	182852	52.714	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	520152	48.883	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	76266	48.448	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012020\
Data File : VX014671.D
Acq On : 20 Jan 2020 16:43
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

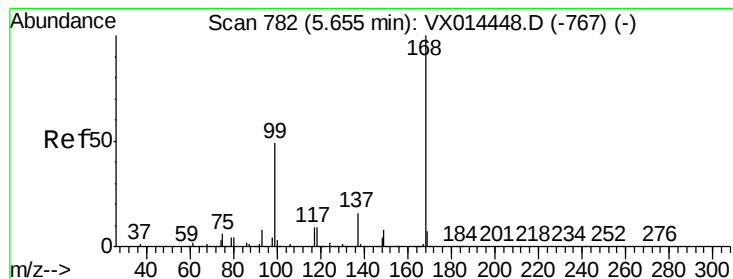
Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM

Quant Time: Jan 21 00:54:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	365051	48.879	ug/l	100
94) Hexachlorobutadiene	13.77	225	178838	51.128	ug/l	98
95) Naphthalene	13.83	128	1049776	45.288	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	360593	49.194	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 445160

Ion Ratio Lower Upper

168 100

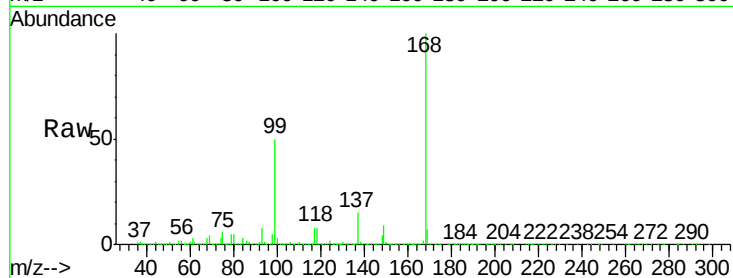
99 49.6 39.2 58.8

Manual Integrations

APPROVED

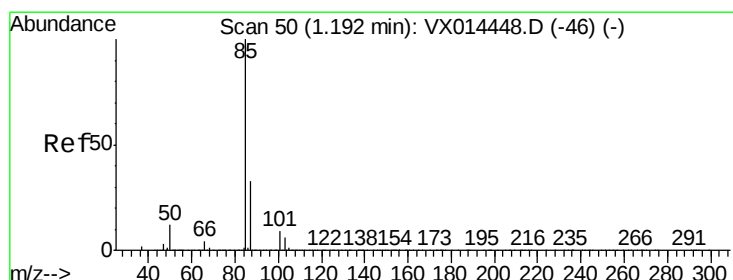
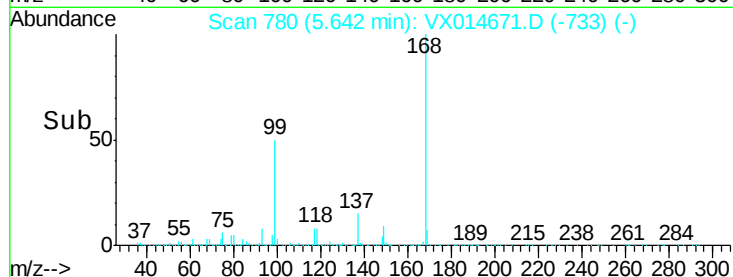
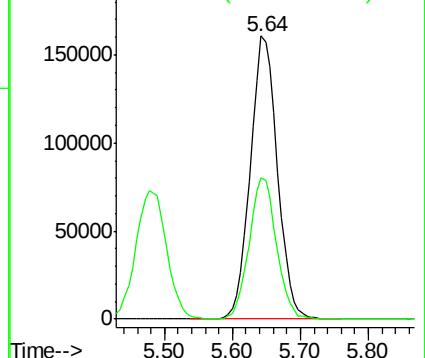
MMDadoda

1/21/2020 2:15:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 47.961 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014671.D

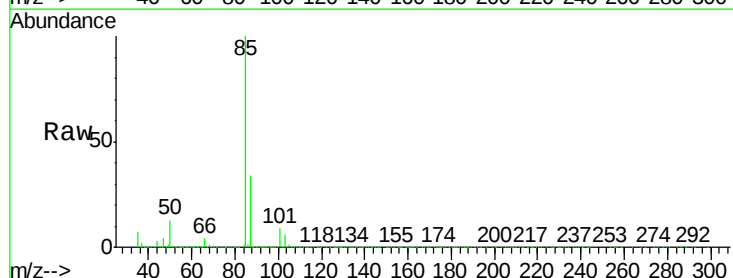
Acq: 20 Jan 2020 16:43

Tgt Ion: 85 Resp: 265016

Ion Ratio Lower Upper

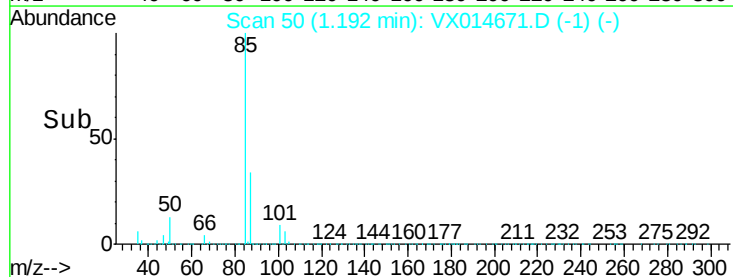
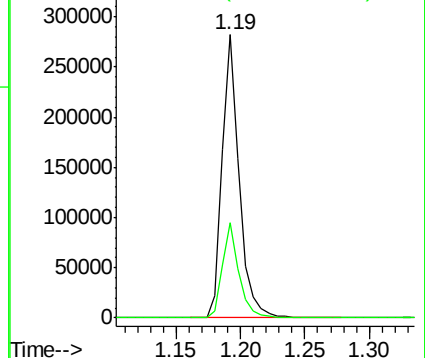
85 100

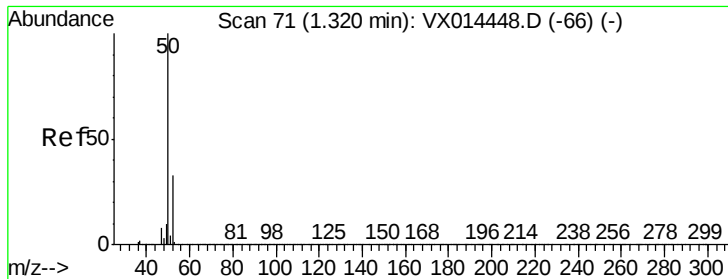
87 33.6 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.849 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 271515

Ion Ratio Lower Upper

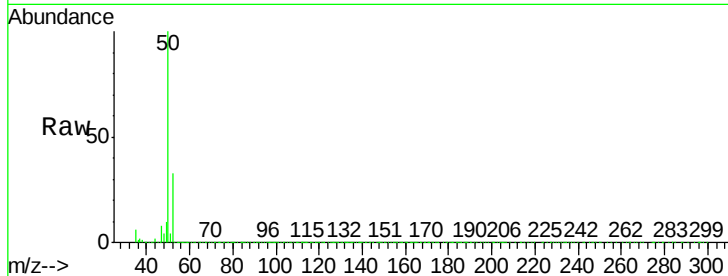
50 100

52 33.0 26.1 39.1

Manual Integrations
APPROVED

MMDadoda

1/21/2020 2:15:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

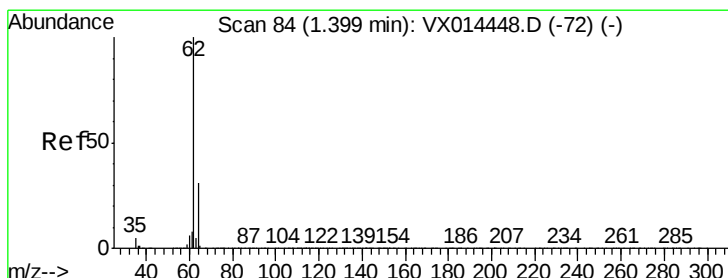
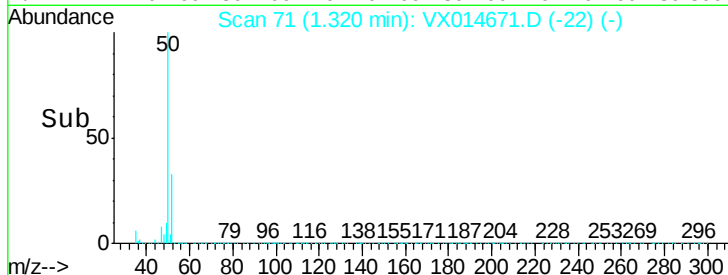
300000

200000

100000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 50.406 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX014671.D

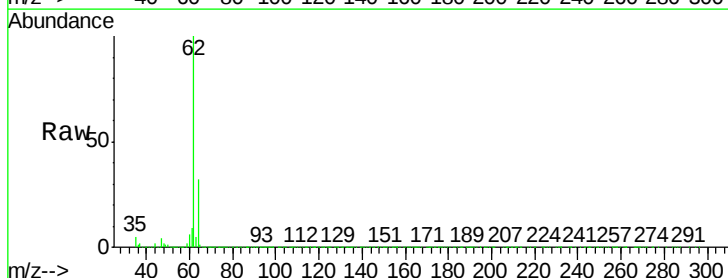
Acq: 20 Jan 2020 16:43

Tgt Ion: 62 Resp: 318719

Ion Ratio Lower Upper

62 100

64 32.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

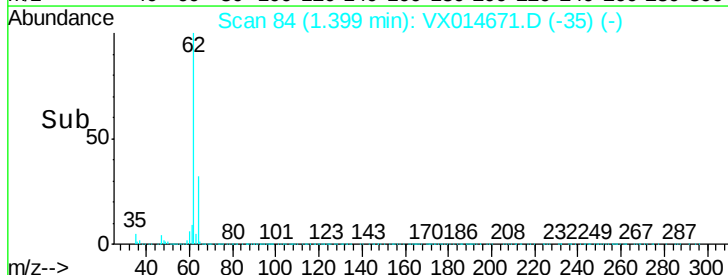
300000

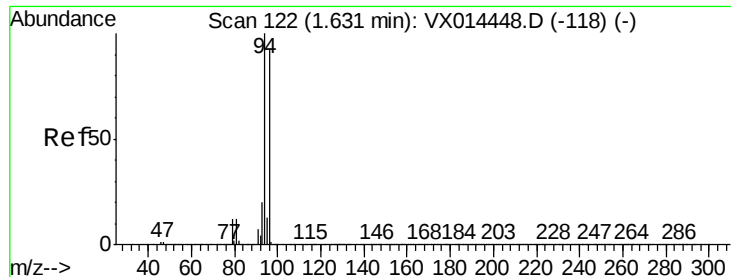
200000

100000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 47.120 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 197497

Ion Ratio Lower Upper

94 100

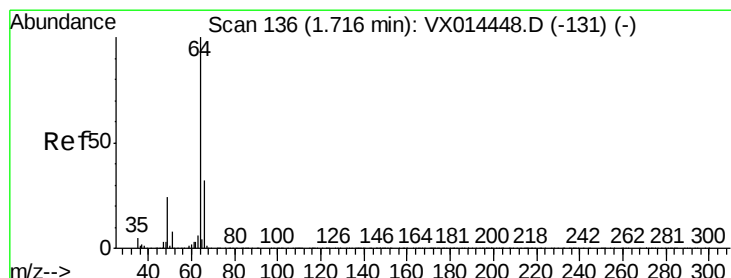
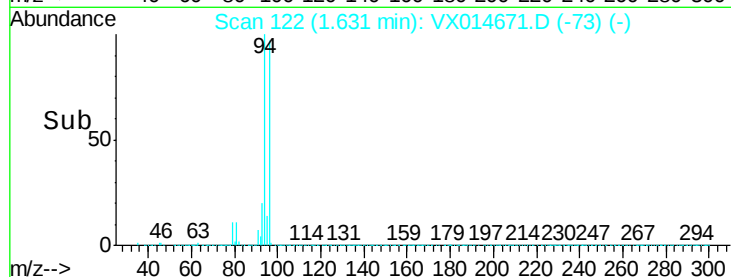
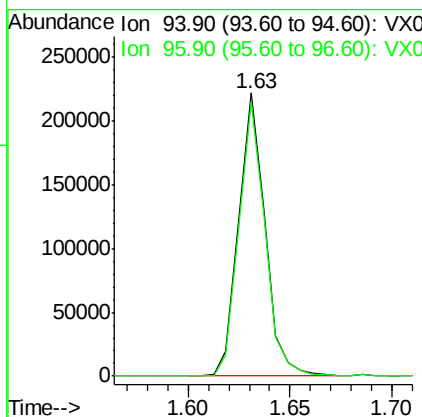
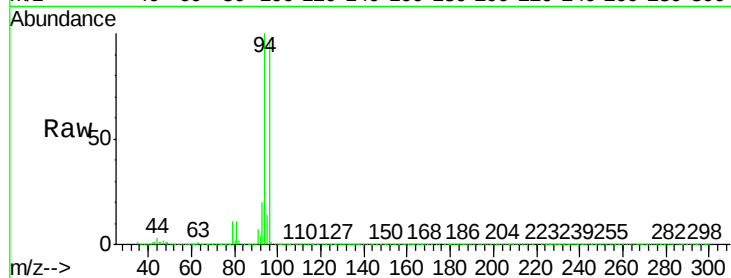
96 96.7 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

1/21/2020 2:15:03 PM



#6

Chloroethane

Concen: 50.601 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014671.D

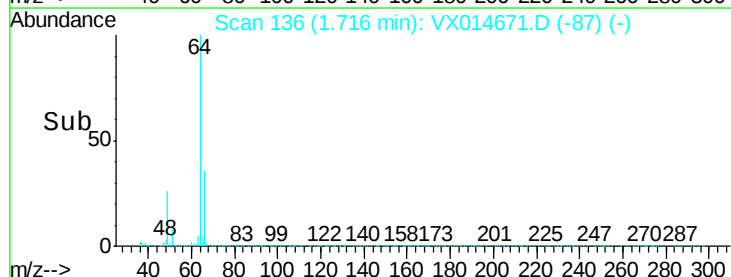
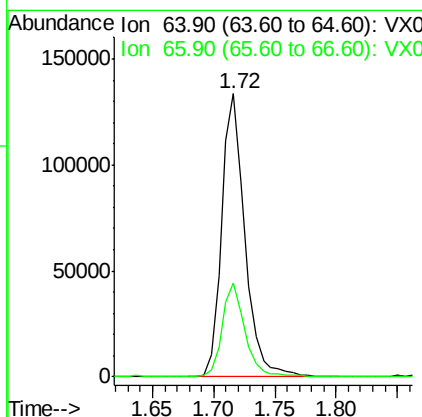
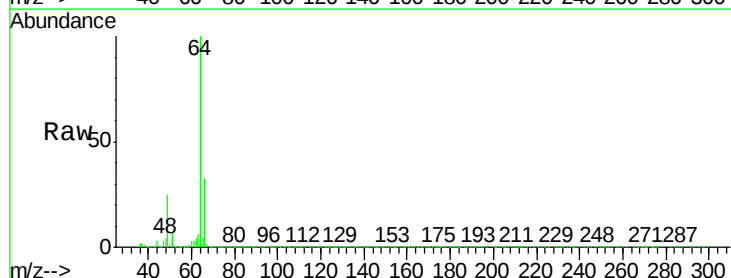
Acq: 20 Jan 2020 16:43

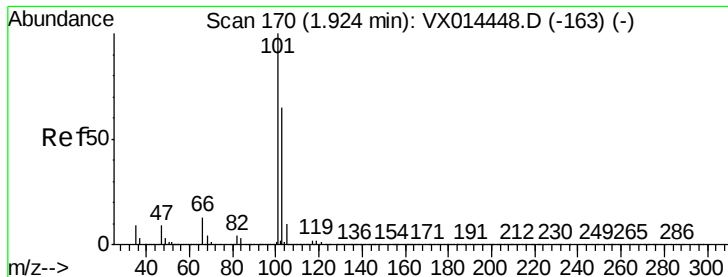
Tgt Ion: 64 Resp: 174295

Ion Ratio Lower Upper

64 100

66 33.2 25.3 37.9





#7

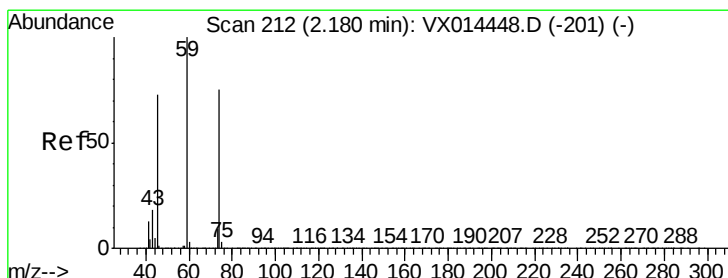
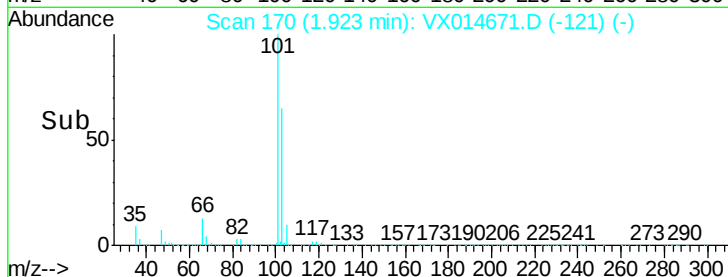
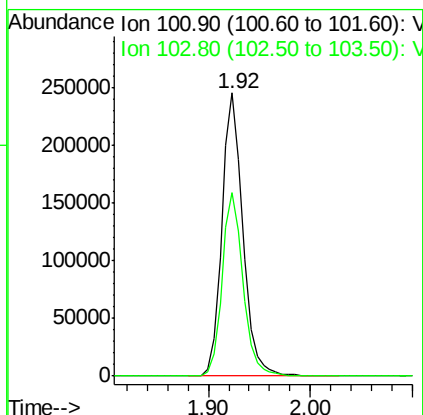
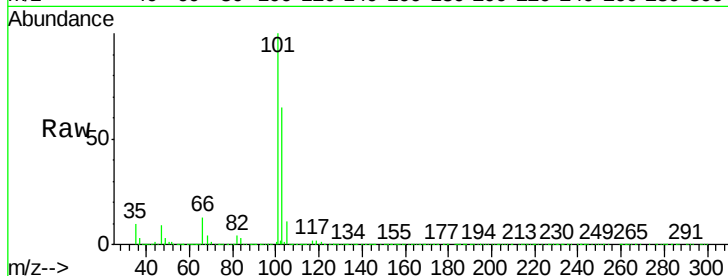
Trichlorofluoromethane
Concen: 48.766 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.4

Manual Integrations
APPROVED

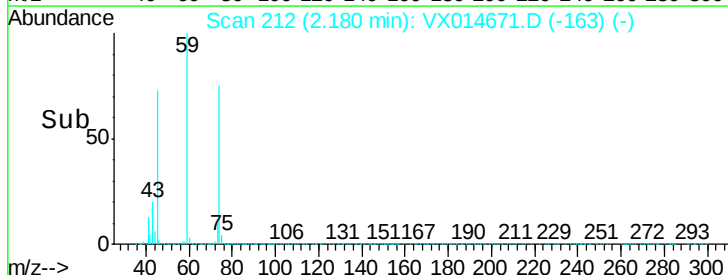
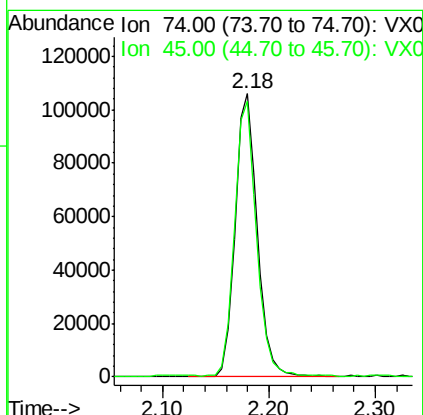
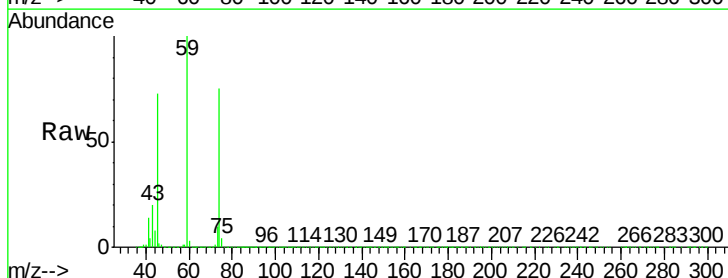
MMDadoda
1/21/2020 2:15:03 PM

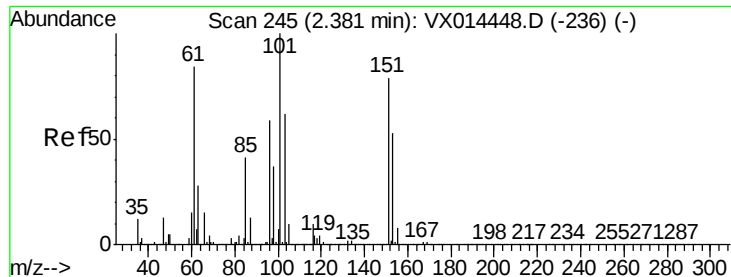


#8

Diethyl Ether
Concen: 47.253 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.7	146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.014 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

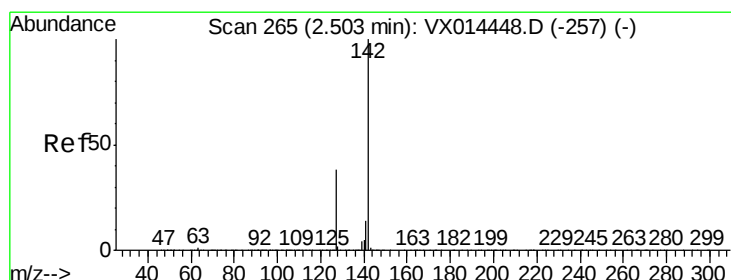
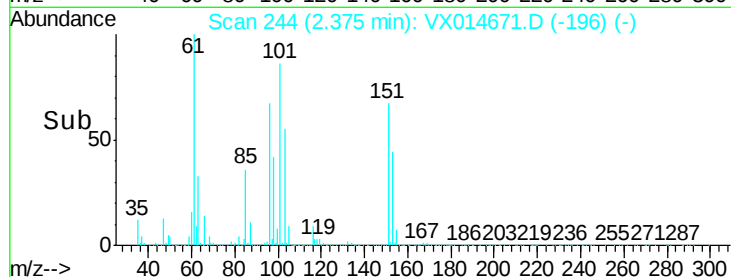
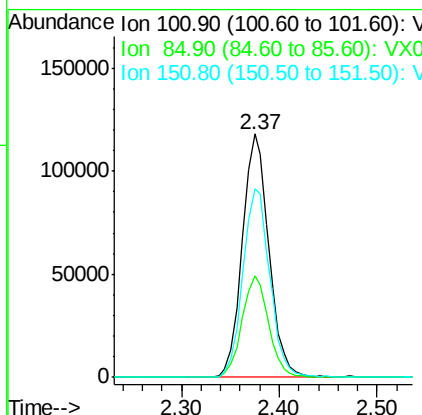
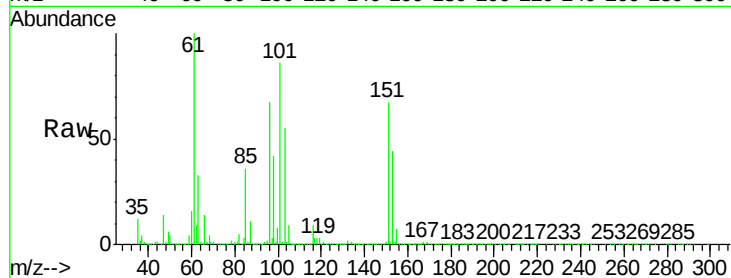
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	222614
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.8	50.8
151	78.5	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#10

Methyl Iodide

Concen: 54.046 ug/l

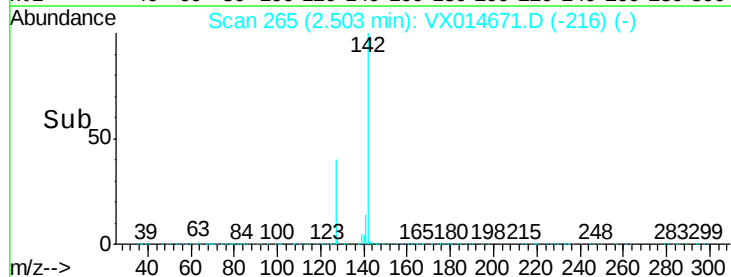
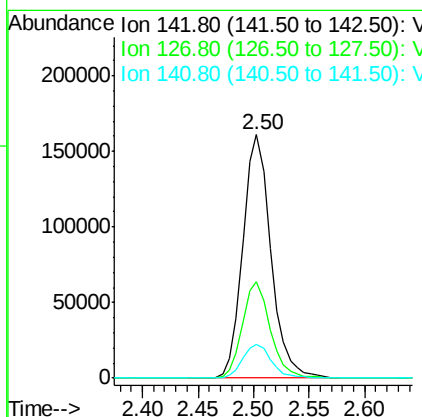
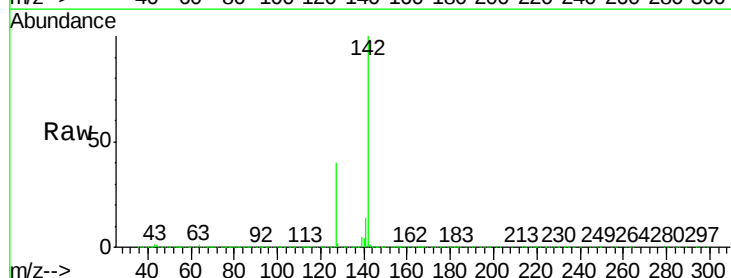
RT: 2.50 min Scan# 265

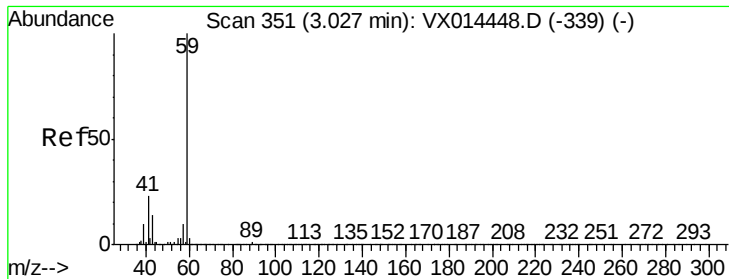
Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	142	Resp:	282405
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.2	46.8
141	14.4	11.4	17.2





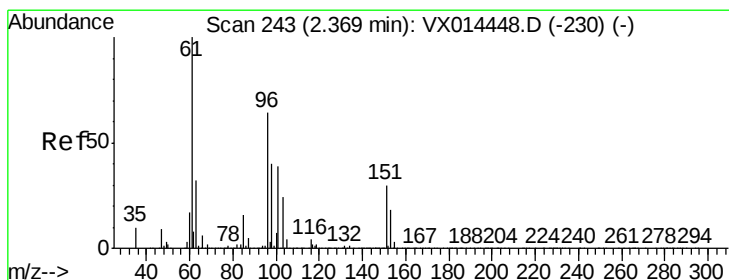
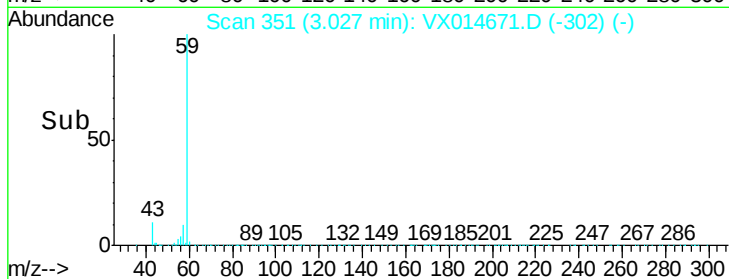
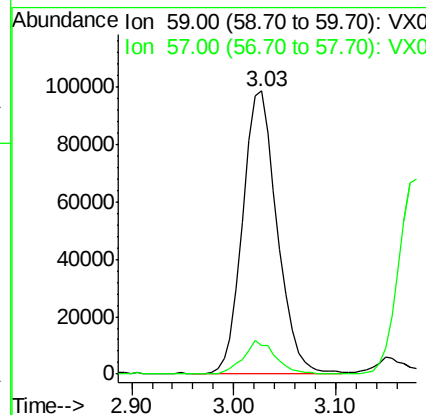
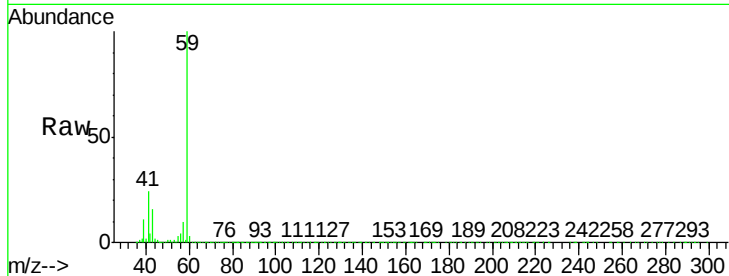
#11
Tert butyl alcohol
Concen: 221.107 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 229426
Ion Ratio Lower Upper
59 100
57 10.9 8.5 12.7

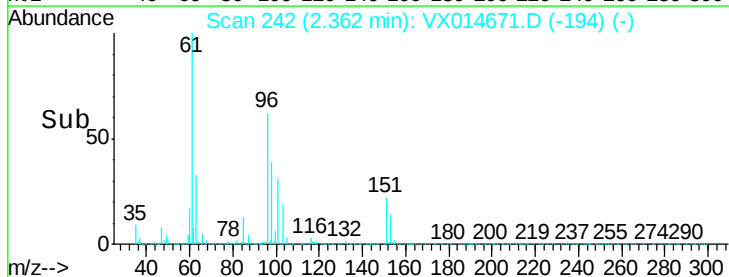
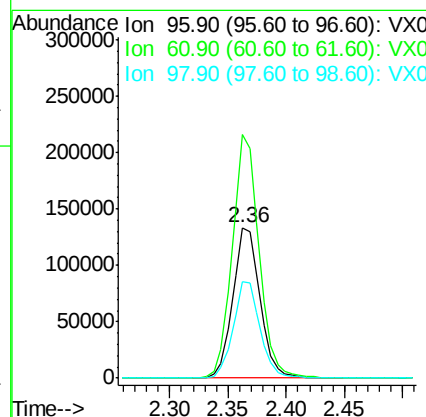
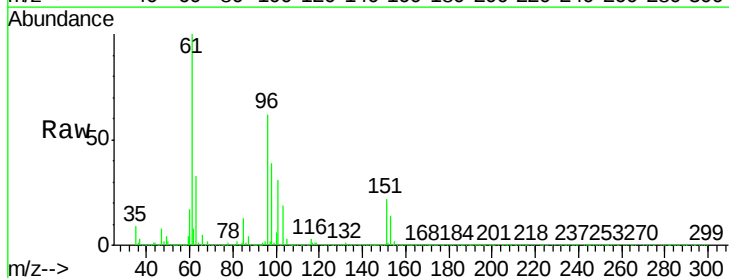
Manual Integrations
APPROVED

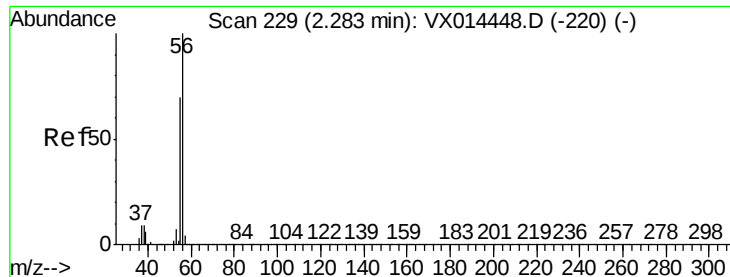
MMDadoda
1/21/2020 2:15:03 PM



#12
1,1-Dichloroethene
Concen: 49.347 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion: 96 Resp: 216960
Ion Ratio Lower Upper
96 100
61 161.5 125.0 187.6
98 63.5 50.2 75.2





#13

Acrolein

Concen: 255.169 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 212219

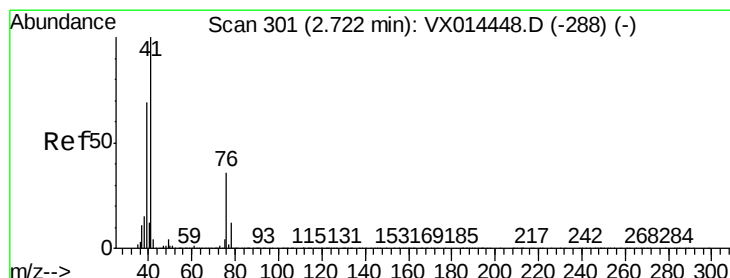
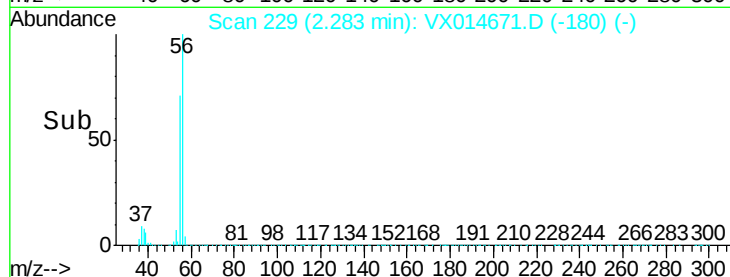
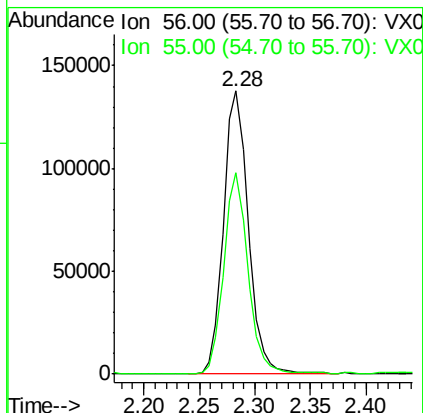
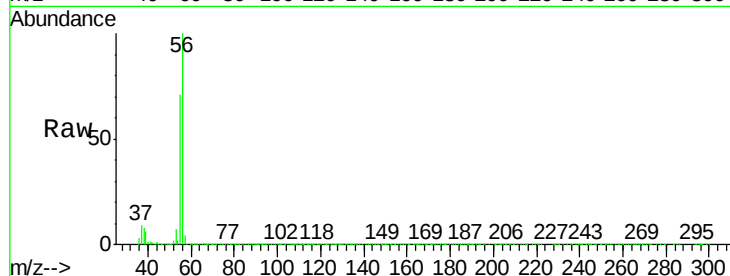
Ion Ratio Lower Upper

56 100

55 70.0 55.0 82.6

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#14

Allyl chloride

Concen: 49.618 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

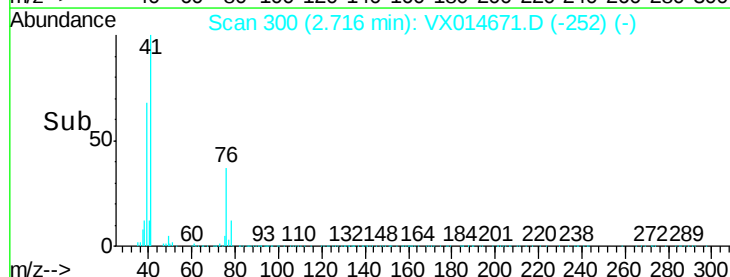
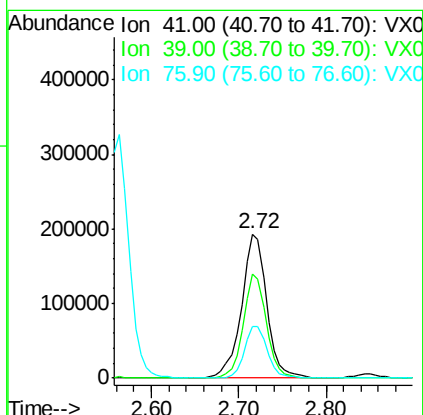
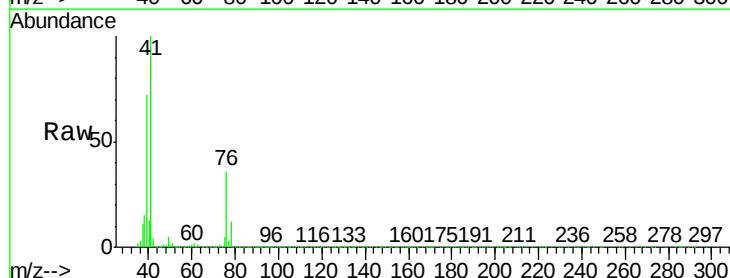
Tgt Ion: 41 Resp: 383001

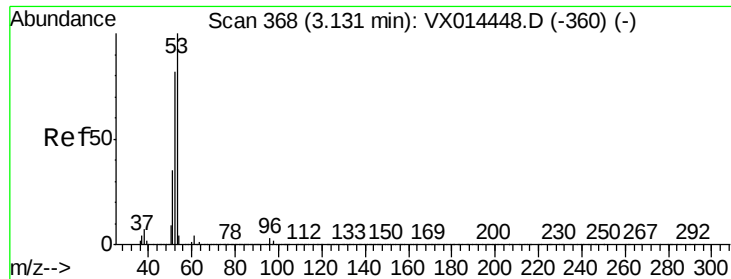
Ion Ratio Lower Upper

41 100

39 66.8 51.7 77.5

76 32.6 26.8 40.2





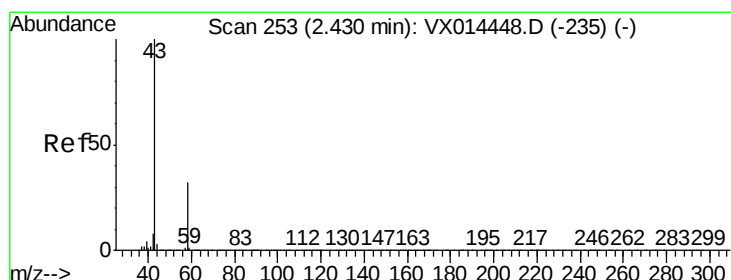
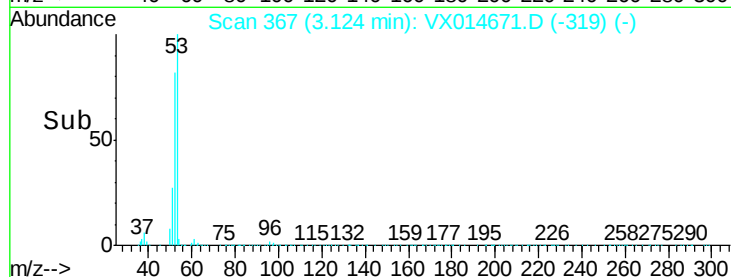
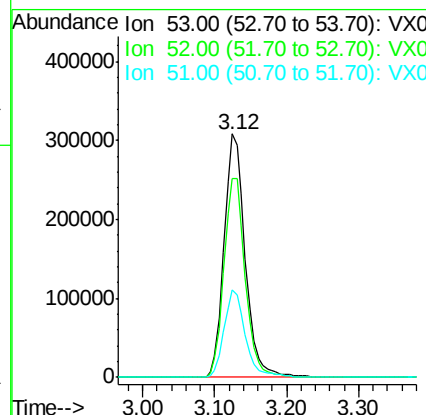
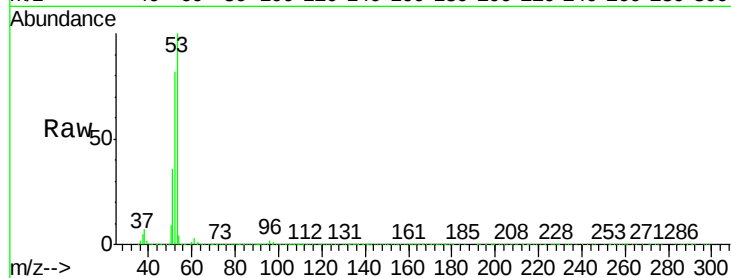
#15
 Acrylonitrile
 Concen: 250.239 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	626682
Ion Ratio	Lower	Upper	
53	100		
52	82.5	67.0	100.4
51	36.0	28.5	42.7

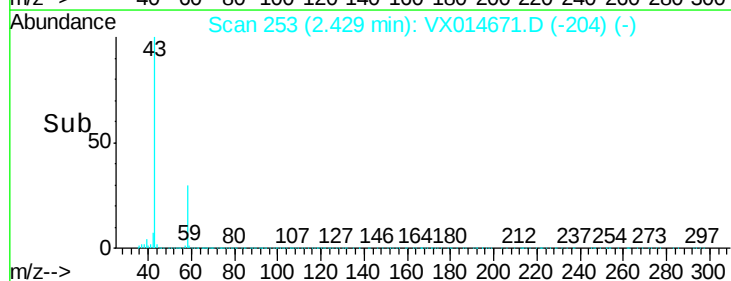
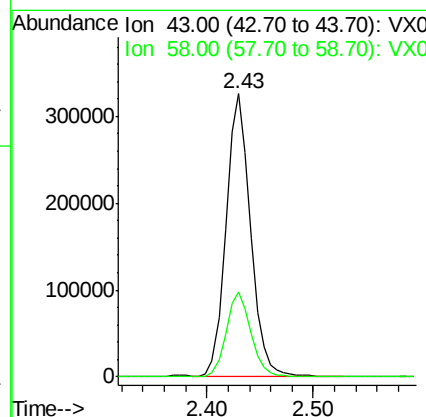
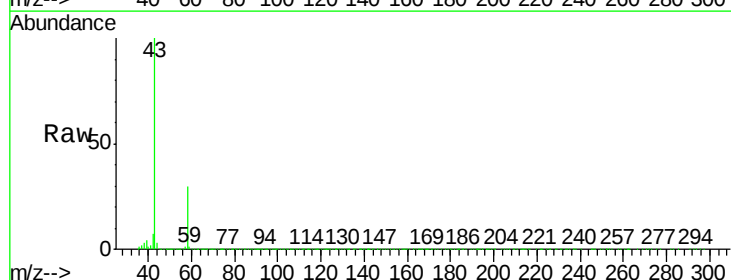
Manual Integrations
 APPROVED

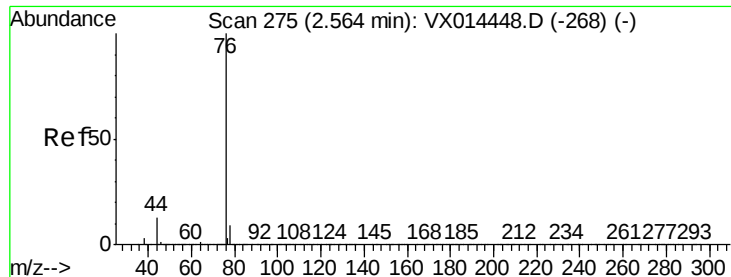
MMDadoda
 1/21/2020 2:15:03 PM



#16
 Acetone
 Concen: 208.305 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. 0.00 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Tgt Ion:	43	Resp:	520772
Ion Ratio	Lower	Upper	
43	100		
58	30.2	25.4	38.0





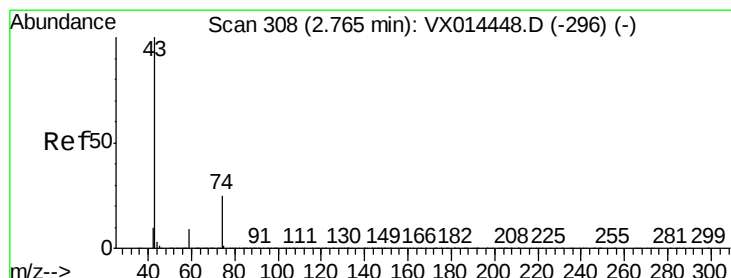
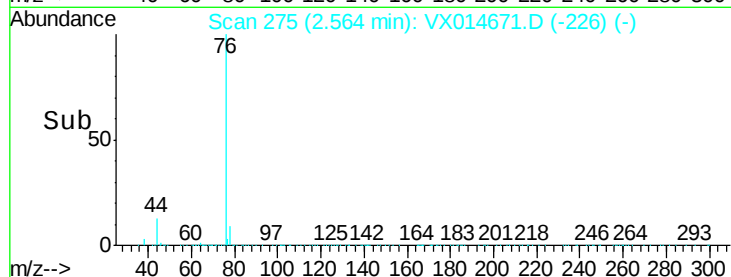
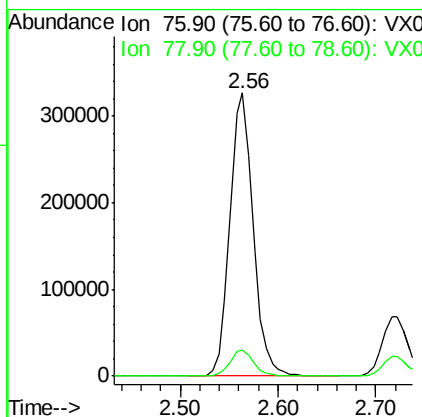
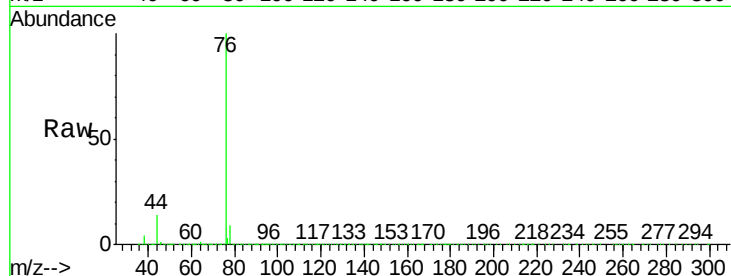
#17
Carbon Disulfide
Concen: 43.949 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

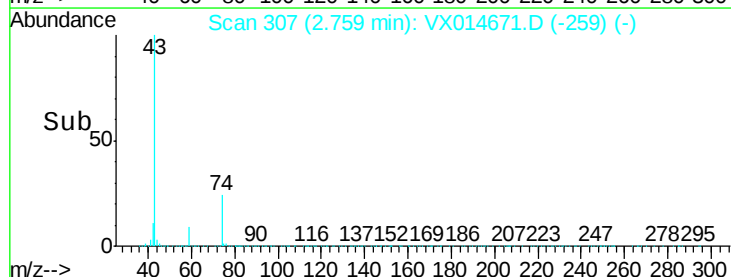
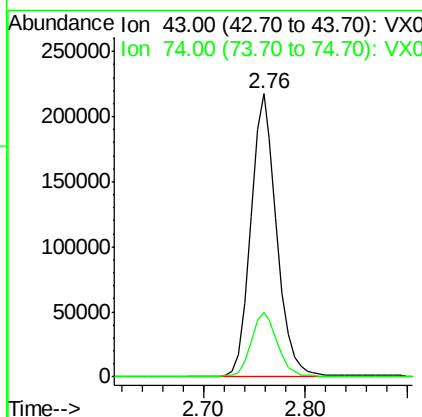
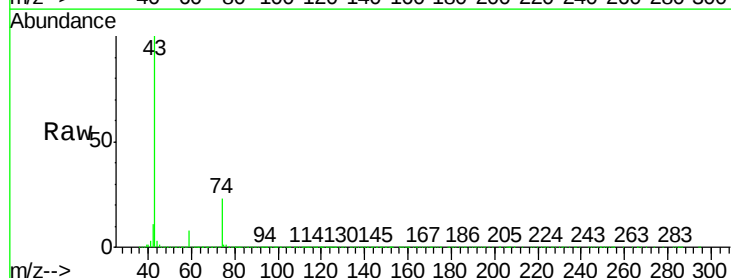
Manual Integrations
APPROVED

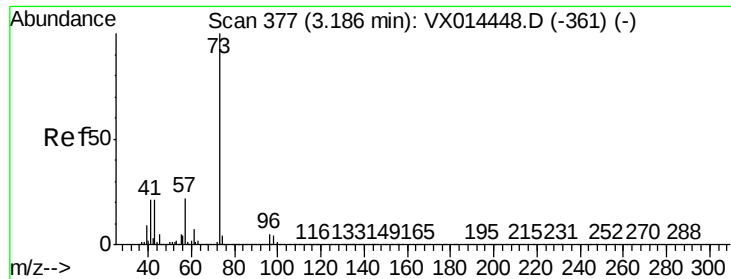
MMDadoda
1/21/2020 2:15:03 PM



#18
Methyl Acetate
Concen: 53.609 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





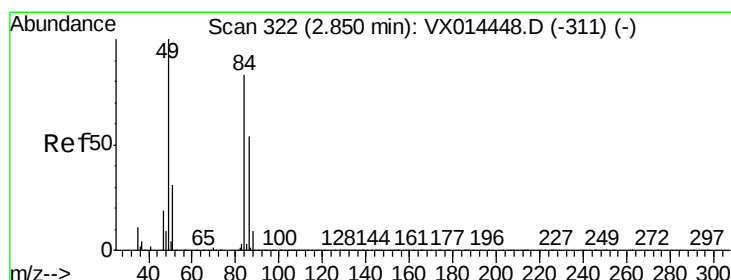
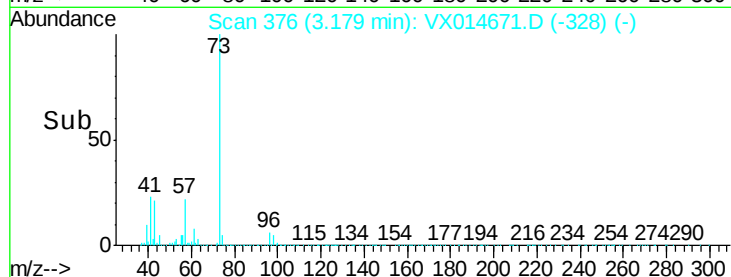
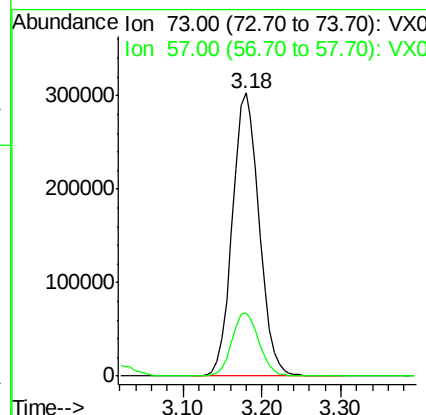
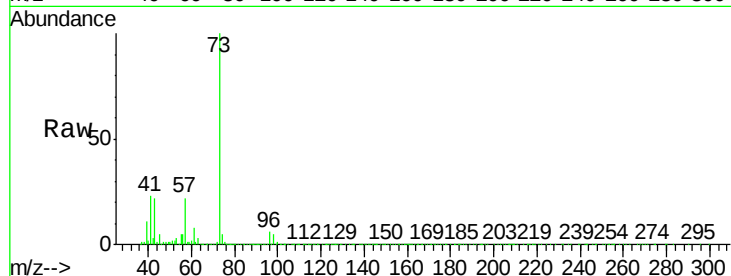
#19
Methyl tert-butyl Ether
Concen: 50.711 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.8

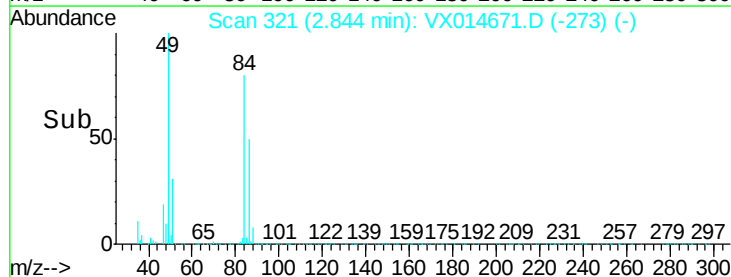
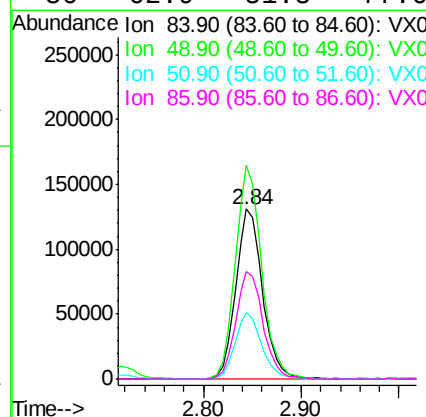
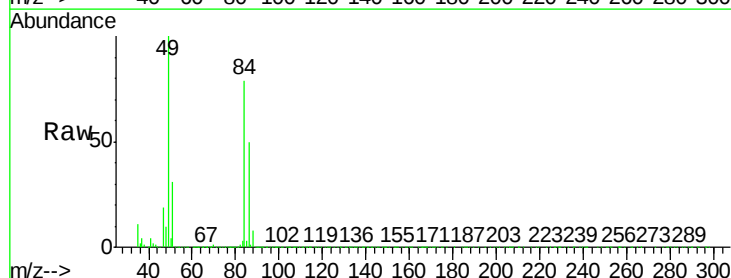
Manual Integrations
APPROVED

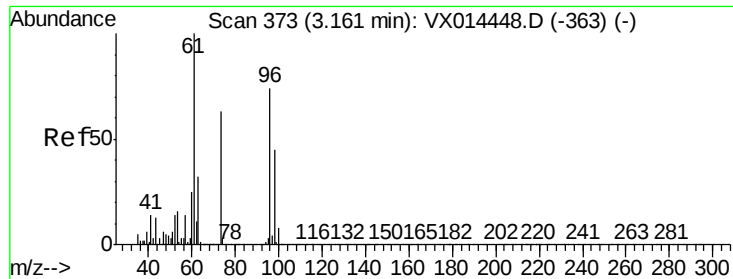
MMDadoda
1/21/2020 2:15:03 PM



#20
Methylene Chloride
Concen: 49.409 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.7	95.8	143.8
51	38.8	30.2	45.4
86	62.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 46.776 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

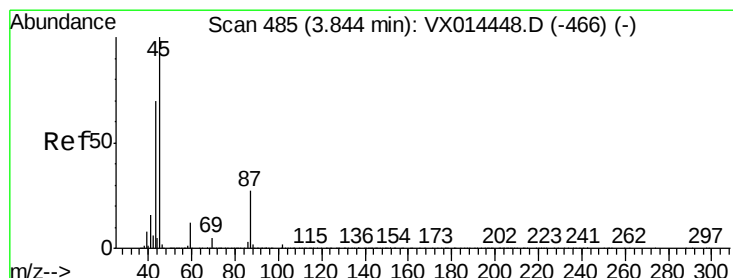
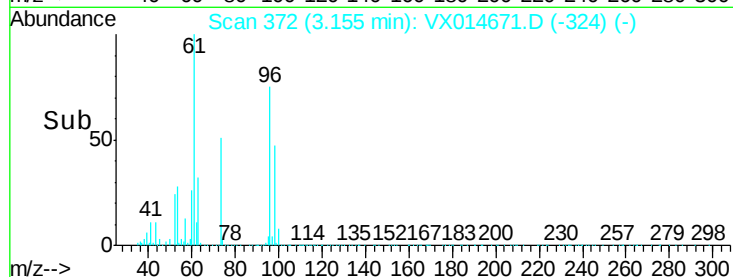
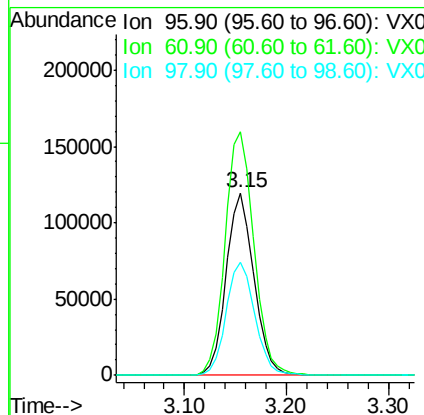
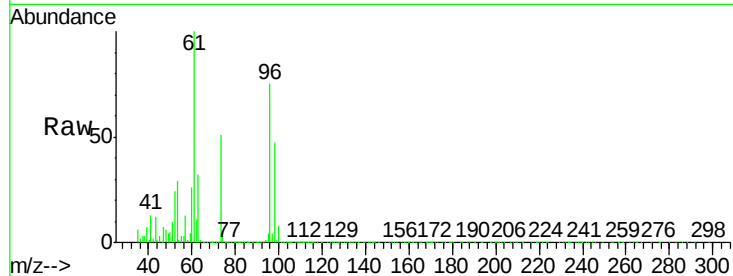
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	224521
Ion Ratio	Lower	Upper	
96	100		
61	133.4	108.2	162.4
98	62.0	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#22

Diisopropyl ether

Concen: 52.994 ug/l

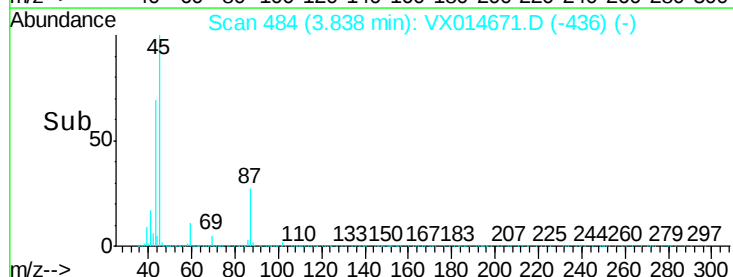
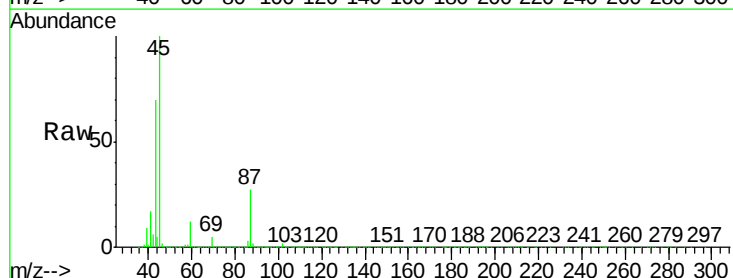
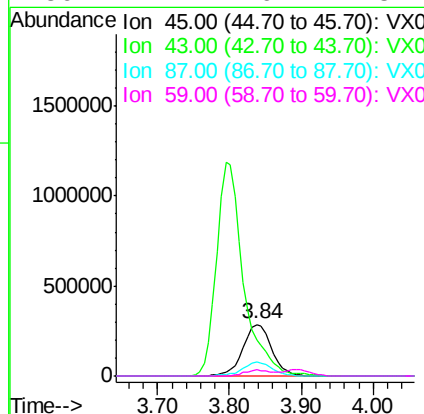
RT: 3.84 min Scan# 484

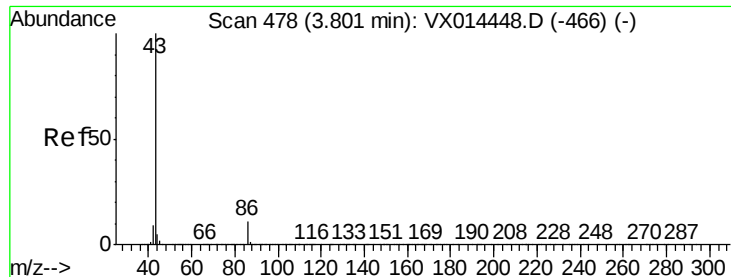
Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	45	Resp:	790527
Ion Ratio	Lower	Upper	
45	100		
43	69.3	55.8	83.6
87	27.2	21.8	32.8
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 268.432 ug/l

RT: 3.80 min Scan# 477

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tot Ion: 43 Resp: 3100188

Ion Ratio Lower Upper

43 100

86 10.2 8.4 12.6

Instrument :

MSVOA_X

ClientSampleId :

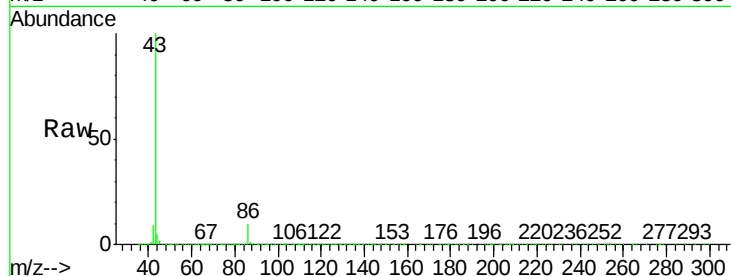
VSTDCCC050EC

Manual Integrations

APPROVED

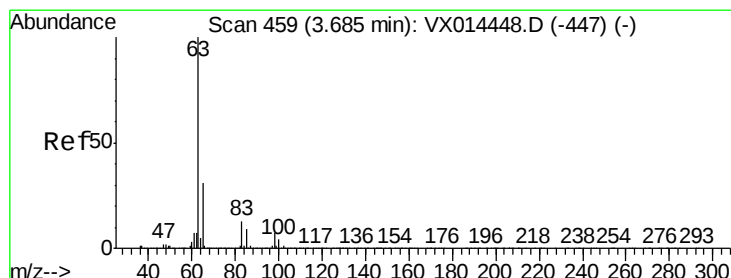
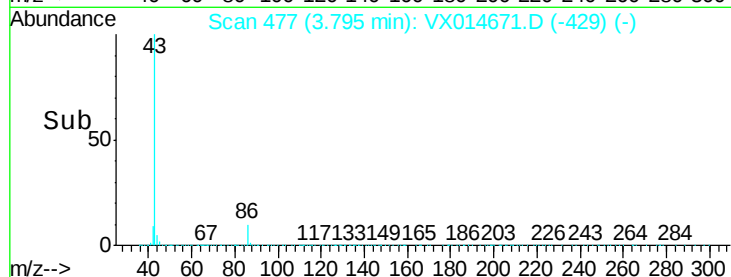
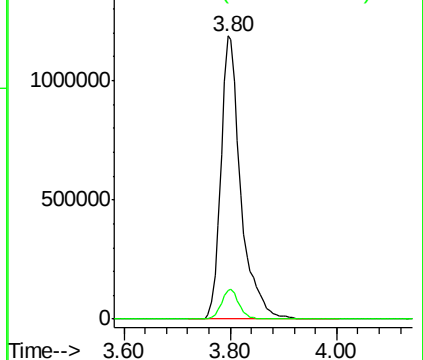
MMDadoda

1/21/2020 2:15:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 51.629 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

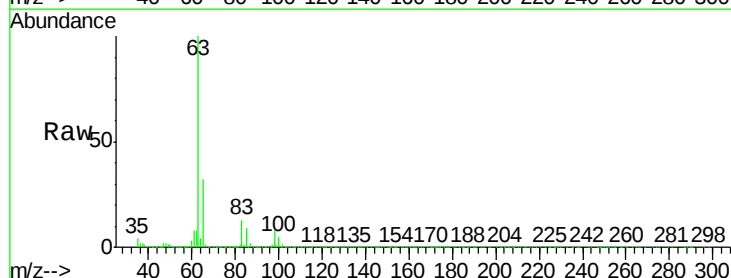
Tgt Ion: 63 Resp: 418967

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

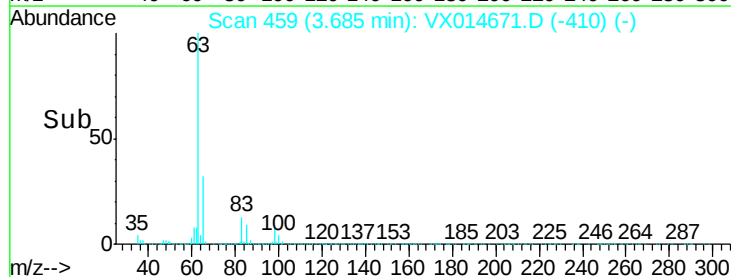
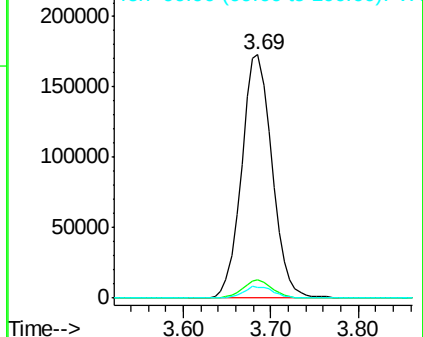
100 4.5 2.3 6.8

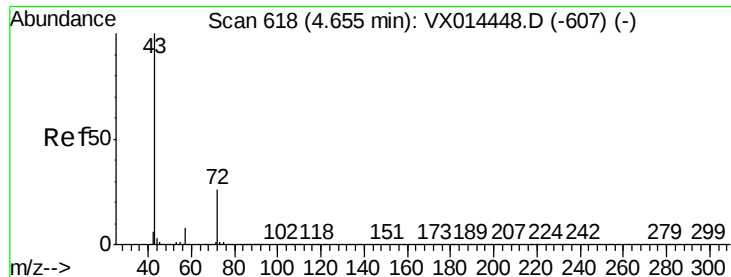


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 230.388 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 855220

Ion Ratio Lower Upper

43 100

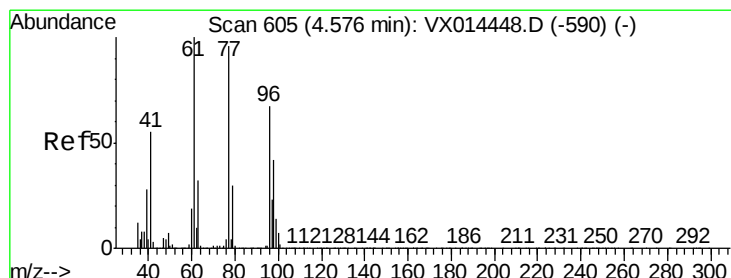
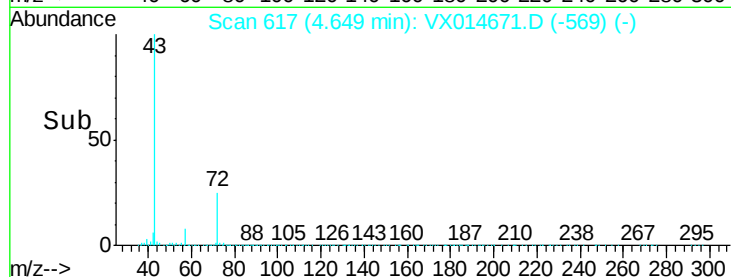
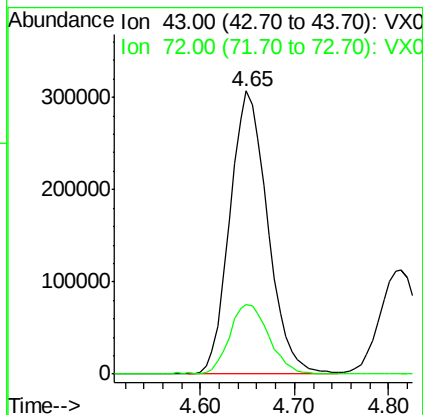
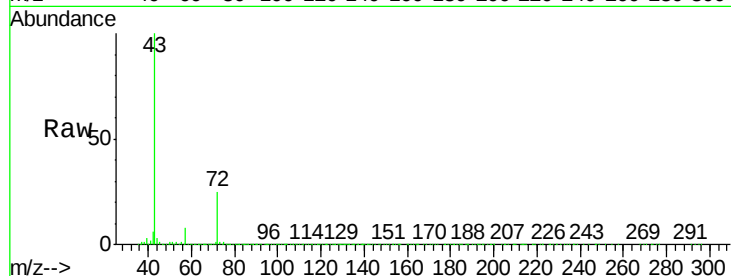
72 24.7 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

1/21/2020 2:15:03 PM



#26

2,2-Dichloropropane

Concen: 49.082 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014671.D

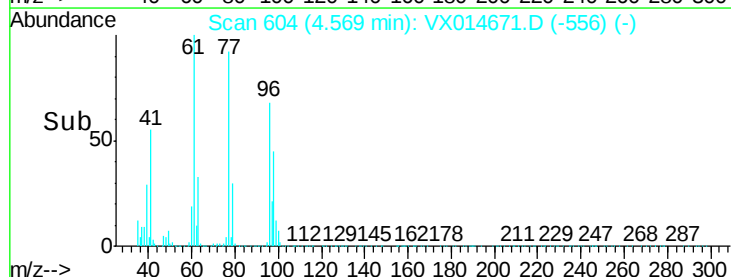
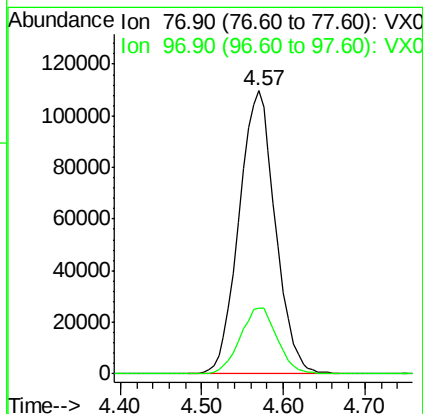
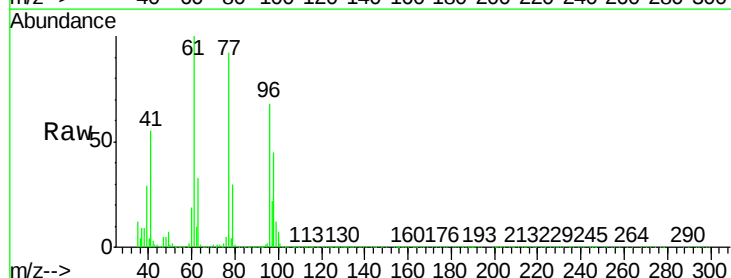
Acq: 20 Jan 2020 16:43

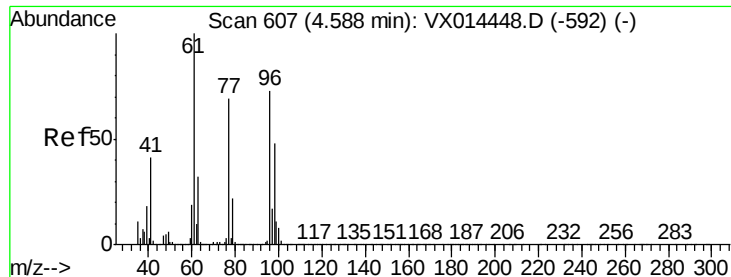
Tgt Ion: 77 Resp: 337401

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.1





#27

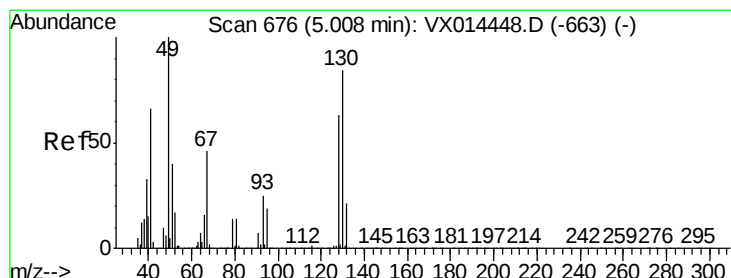
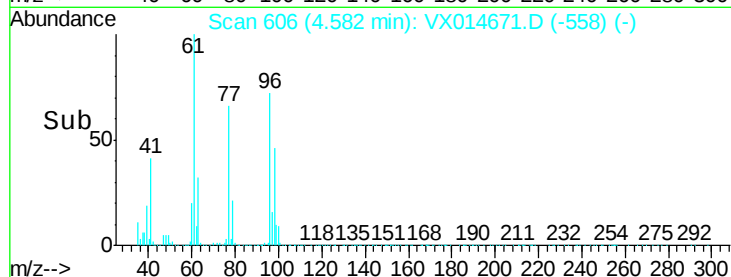
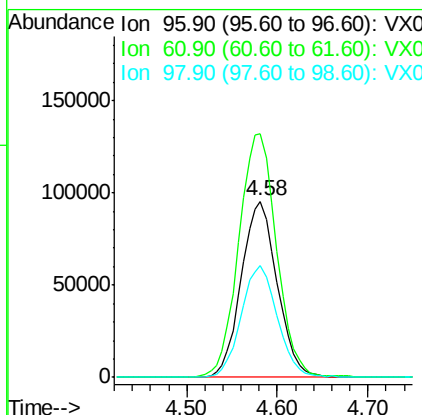
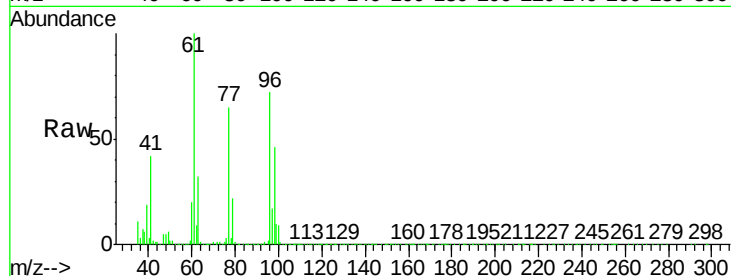
cis-1,2-Dichloroethene
Concen: 48.904 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	262406		
61	146.0	0.0	285.4	
98	63.7	0.0	130.6	

Manual Integrations
APPROVED

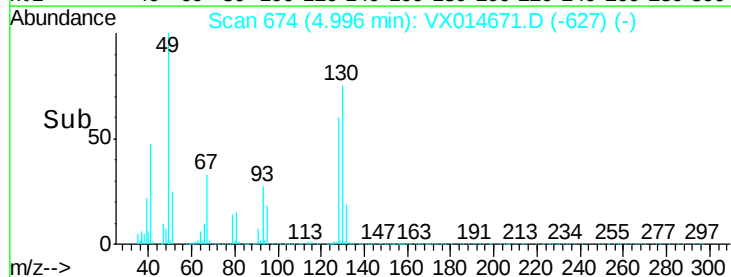
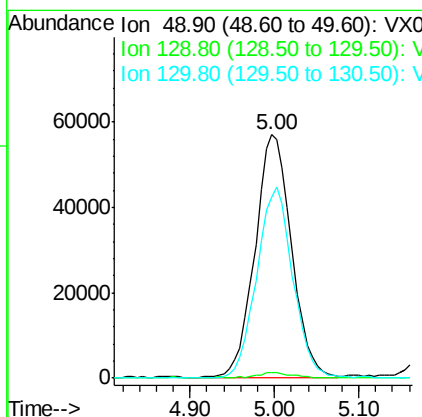
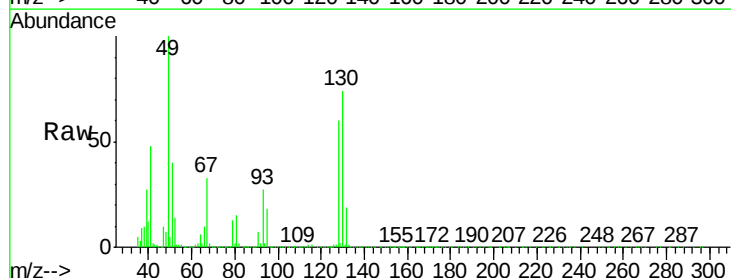
MMDadoda
1/21/2020 2:15:03 PM

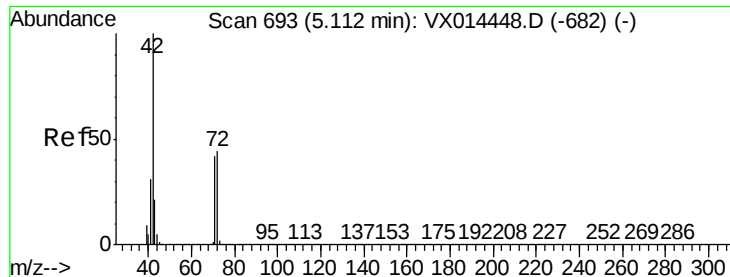


#28

Bromochloromethane
Concen: 49.297 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	168566		
129	2.4	0.0	4.4	
130	77.5	67.0	100.4	





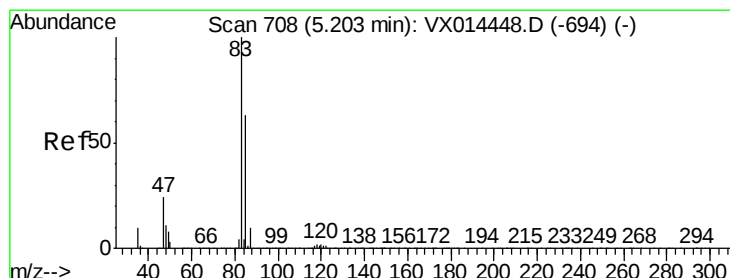
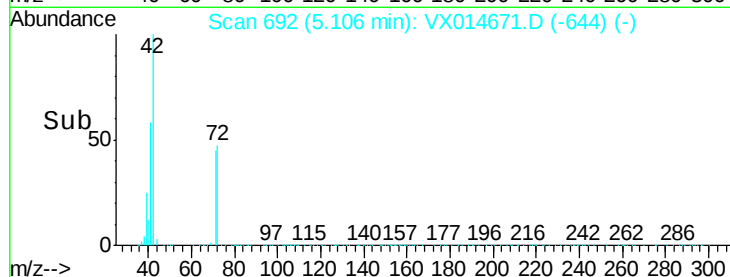
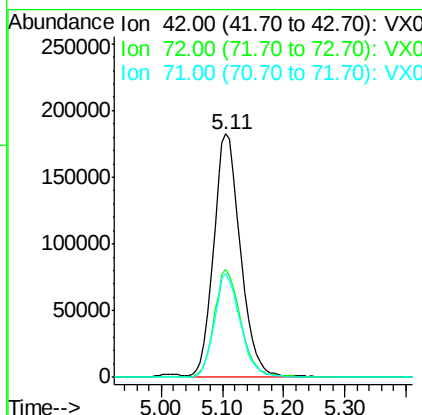
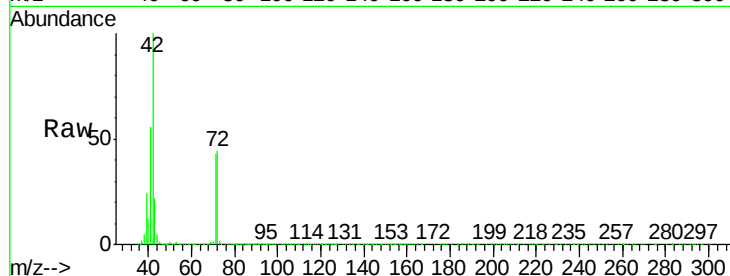
#29
Tetrahydrofuran
Concen: 253.501 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.2	54.4
71	41.1	34.1	51.1

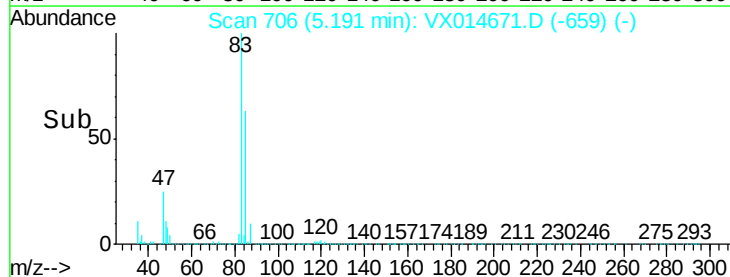
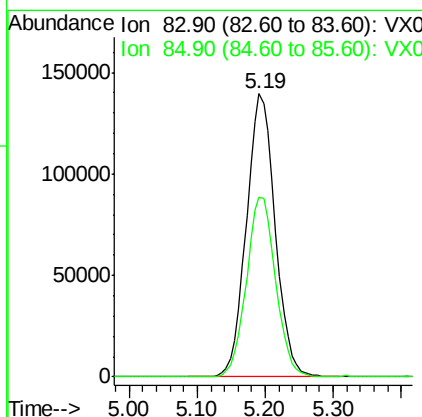
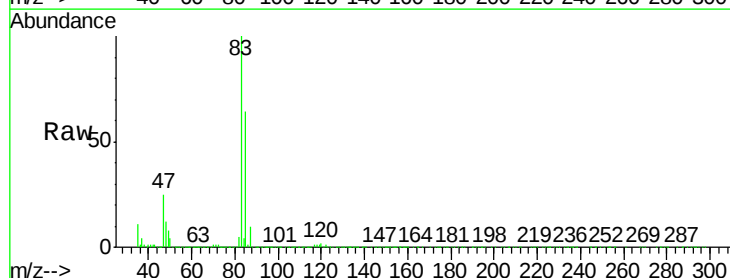
Manual Integrations
APPROVED

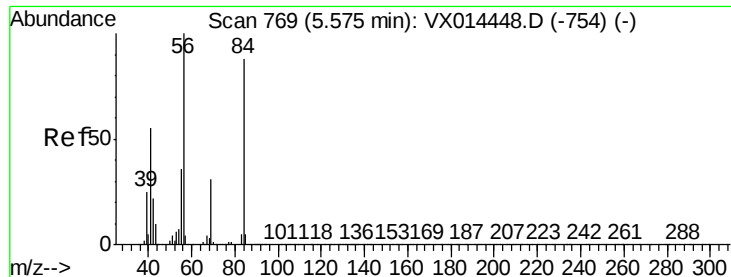
MMDadoda
1/21/2020 2:15:03 PM



#30
Chloroform
Concen: 51.661 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.6	75.8





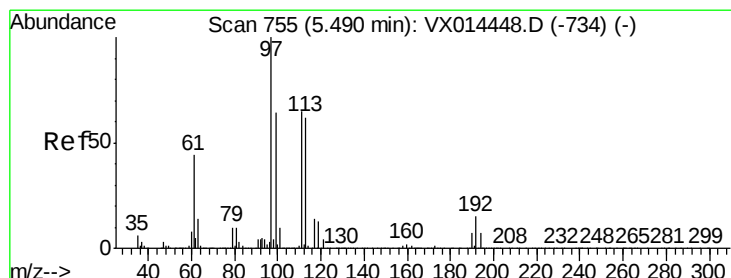
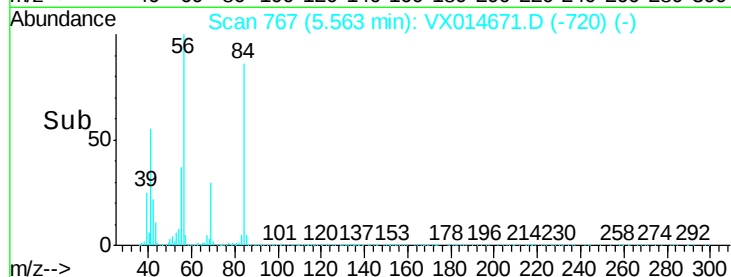
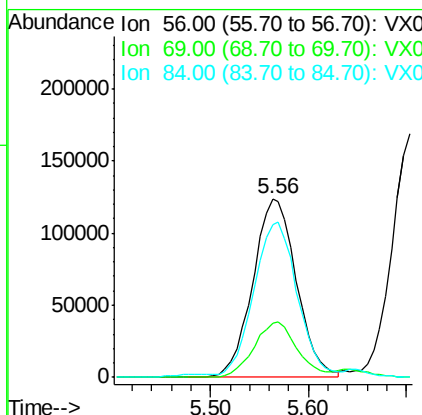
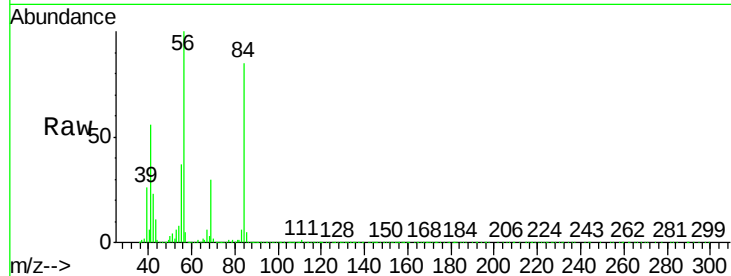
#31
Cyclohexane
Concen: 49.855 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.4	36.6
84	84.0	70.6	106.0

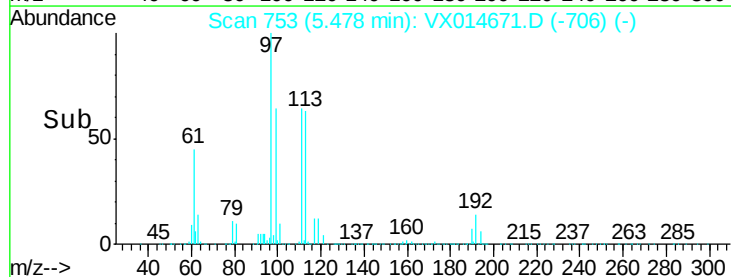
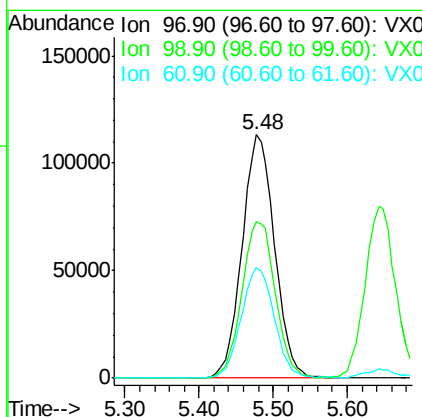
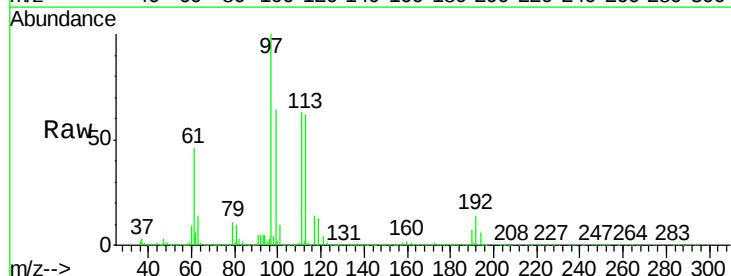
Manual Integrations
APPROVED

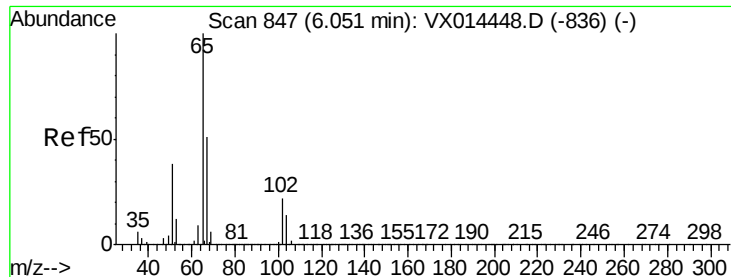
MMDadoda
1/21/2020 2:15:03 PM



#32
1,1,1-Trichloroethane
Concen: 50.831 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.8	77.6
61	46.2	35.9	53.9





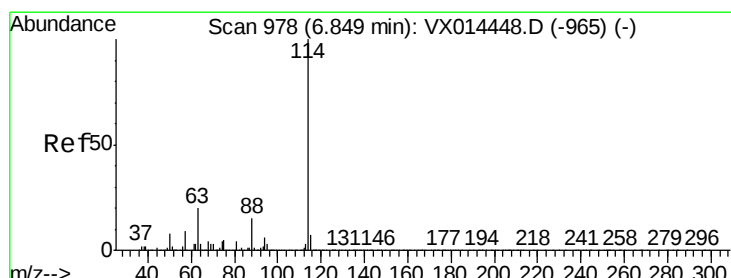
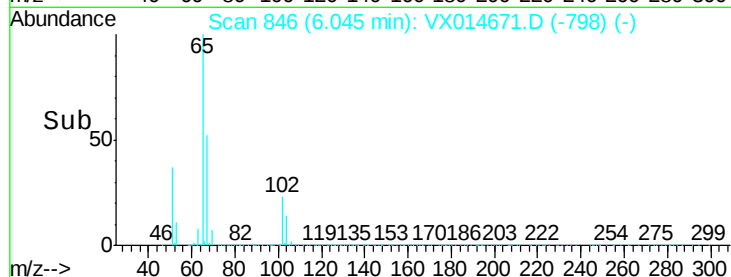
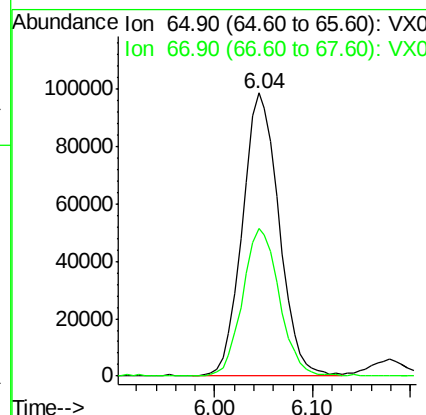
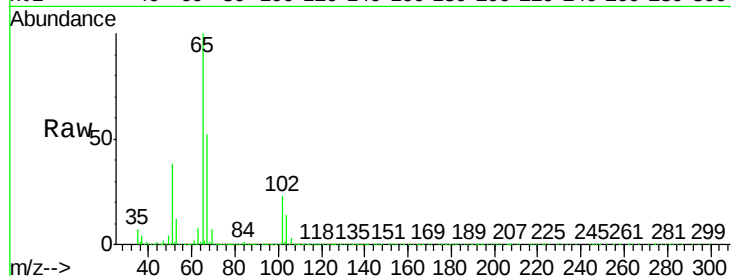
#33
 1,2-Dichloroethane-d4
 Concen: 51.303 ug/l
 RT: 6.04 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

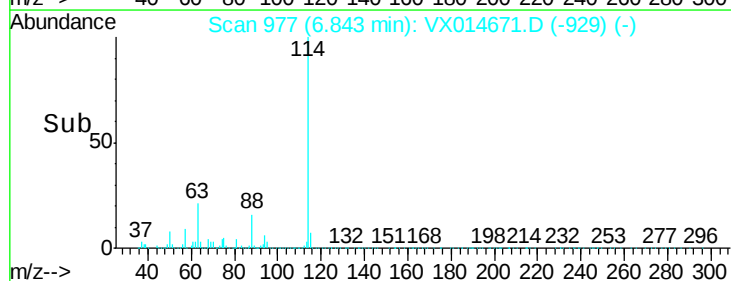
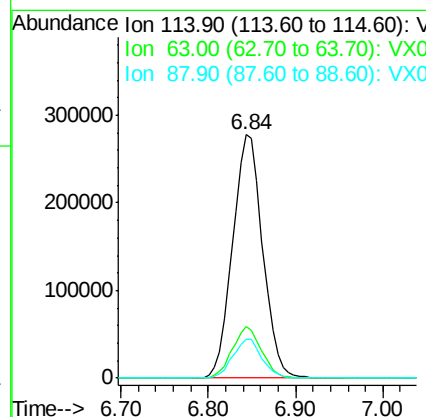
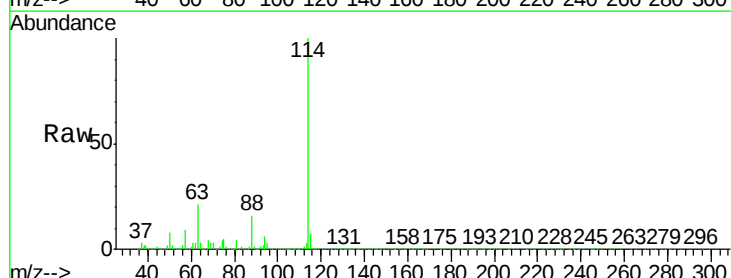
Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 2:15:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.6
88	16.0	0.0	30.8





#35

Dibromofluoromethane

Concen: 51.879 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

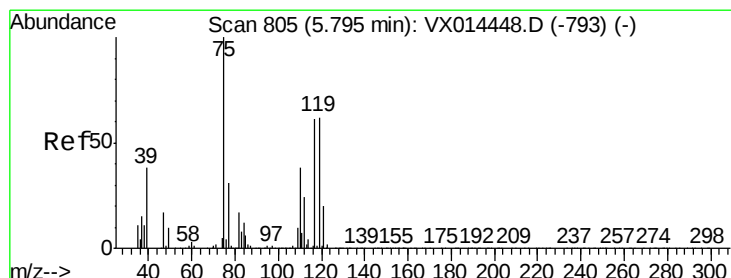
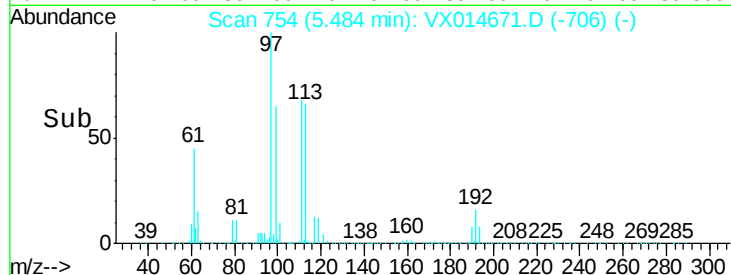
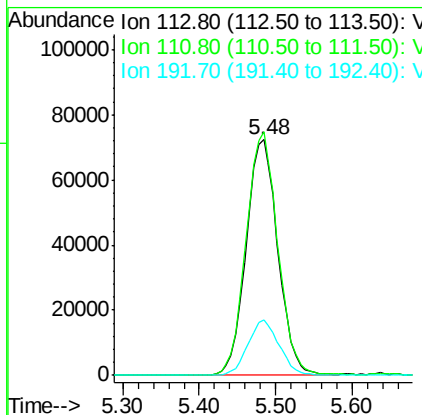
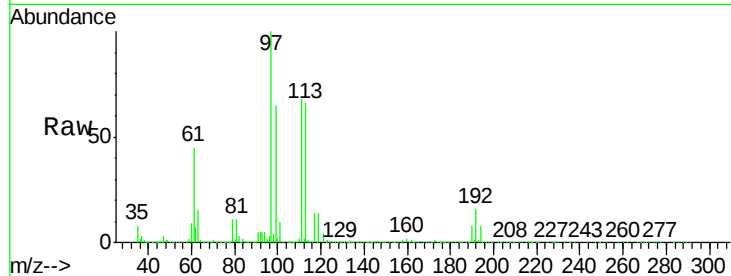
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	208555
Ion Ratio	Lower	Upper	
113	100		
111	103.0	81.5	122.3
192	23.2	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#36

1,1-Dichloropropene

Concen: 50.232 ug/l

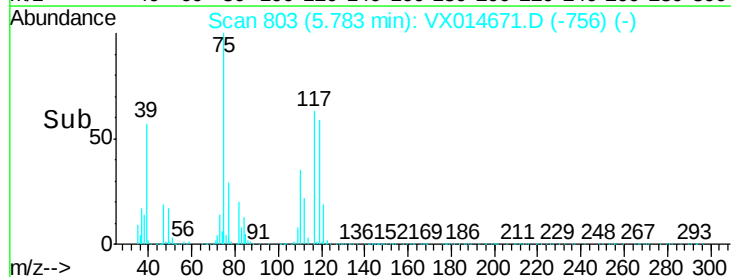
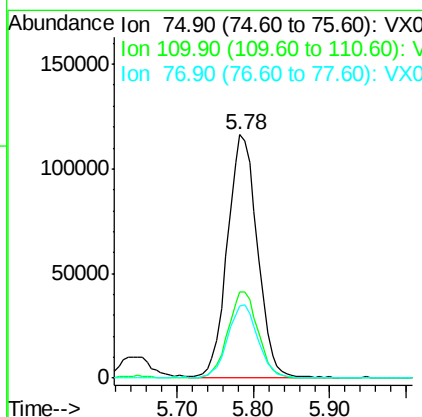
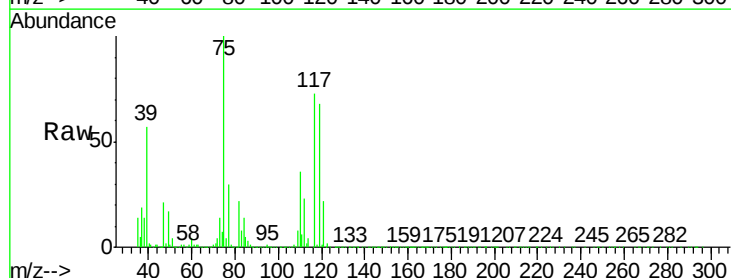
RT: 5.78 min Scan# 803

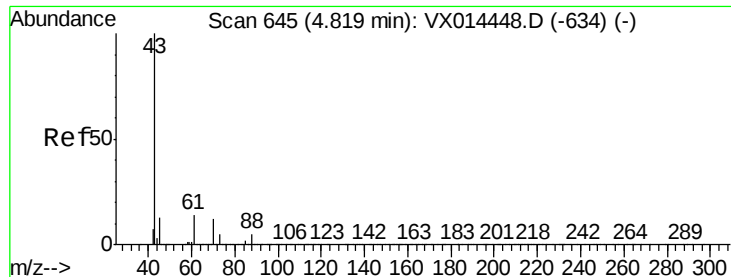
Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	75	Resp:	313707
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.6	55.8
77	29.9	24.5	36.7





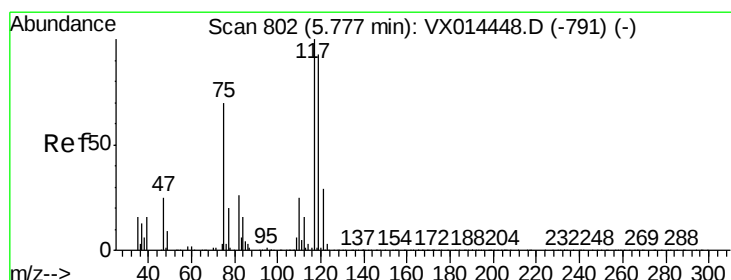
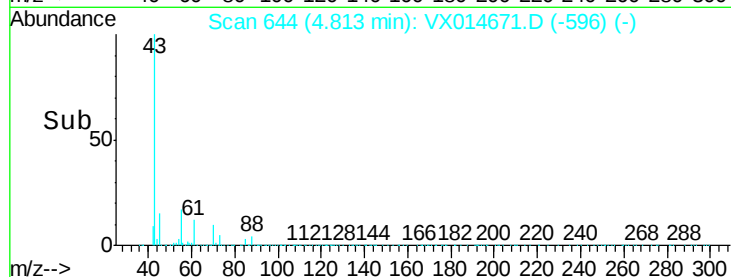
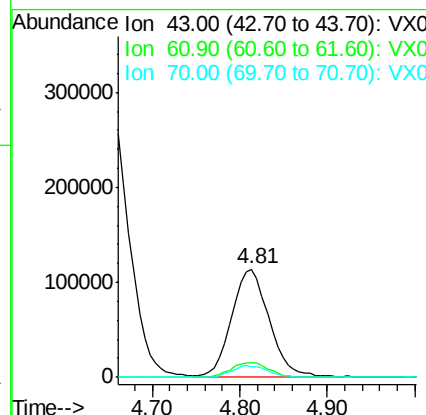
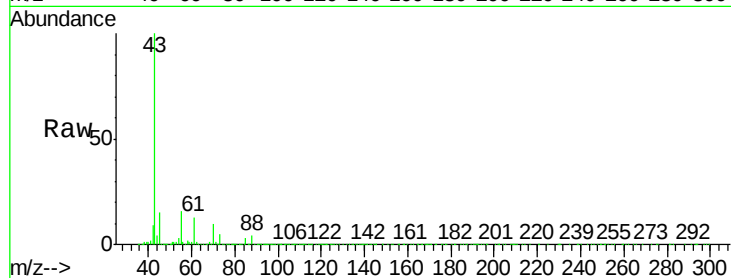
#37
Ethyl Acetate
Concen: 49.484 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	10.7	8.9	13.3

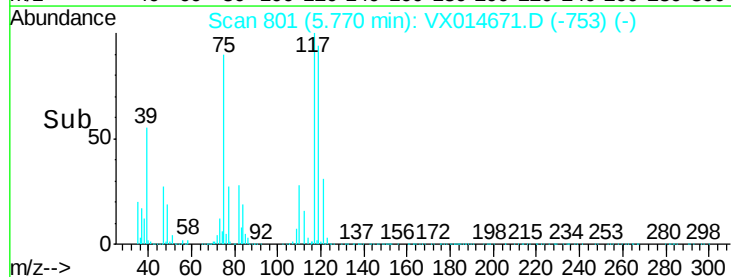
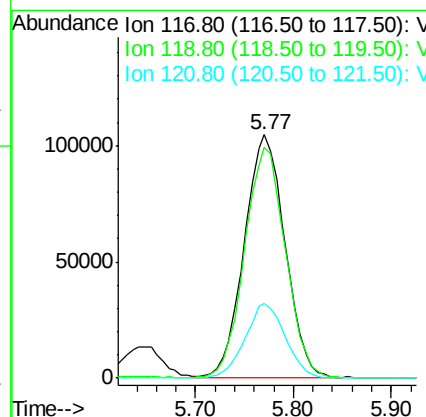
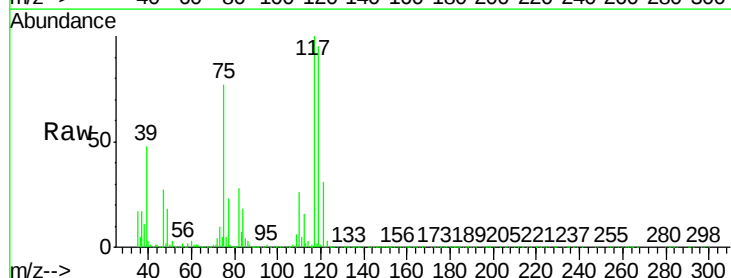
Manual Integrations
APPROVED

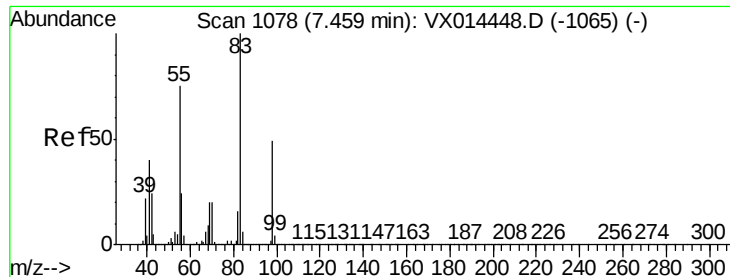
MMDadoda
1/21/2020 2:15:03 PM



#38
Carbon Tetrachloride
Concen: 52.342 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	73.8	110.8
121	30.8	23.4	35.0





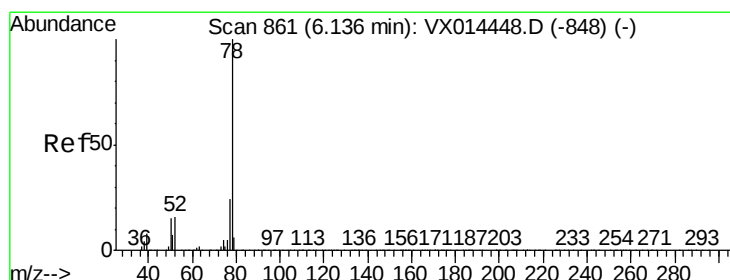
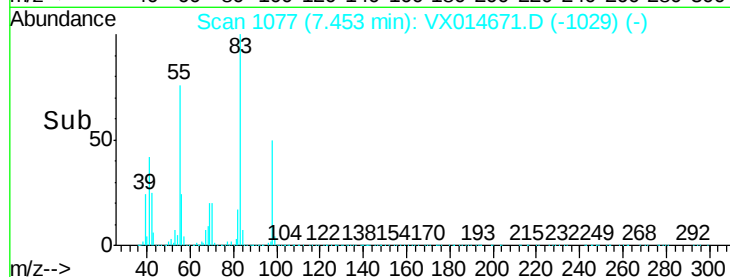
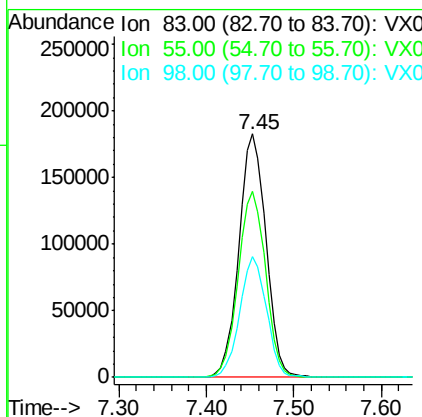
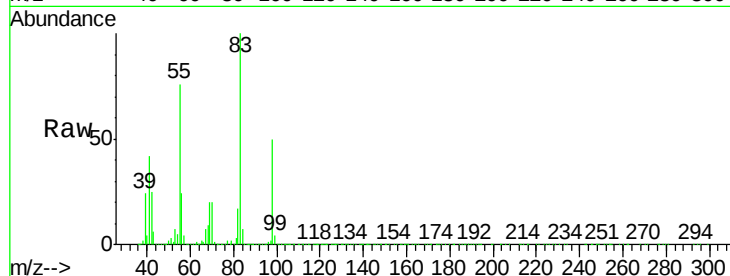
#39
Methvlcvclohexane
Concen: 50.185 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.7	89.5
98	49.8	39.1	58.7

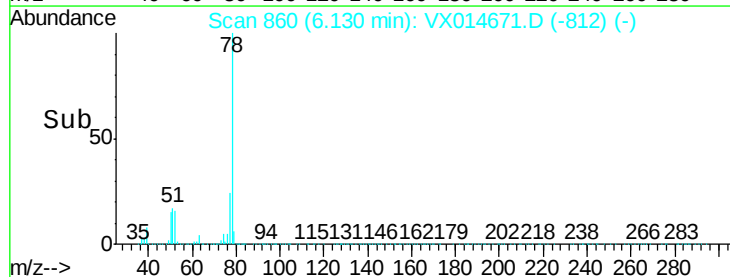
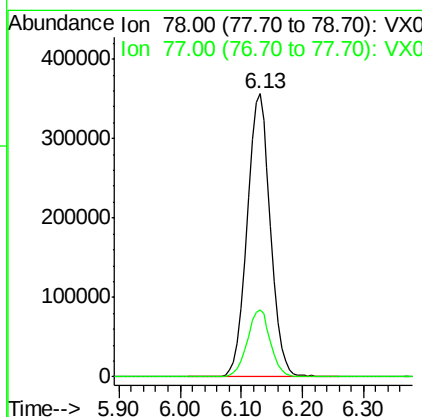
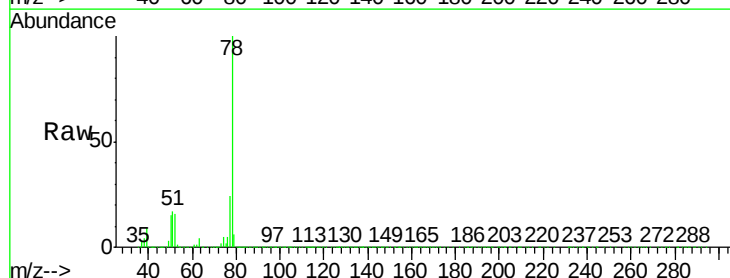
Manual Integrations
APPROVED

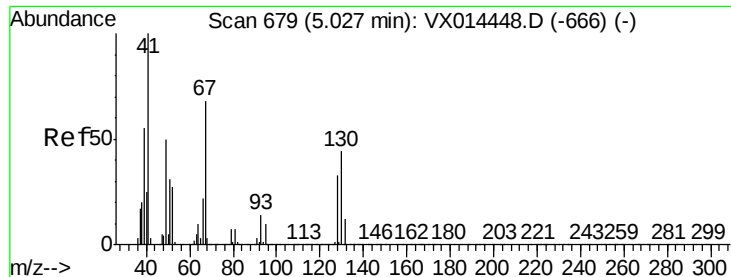
MMDadoda
1/21/2020 2:15:03 PM



#40
Benzene
Concen: 51.003 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





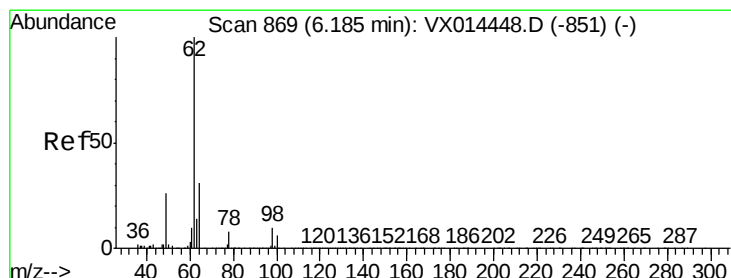
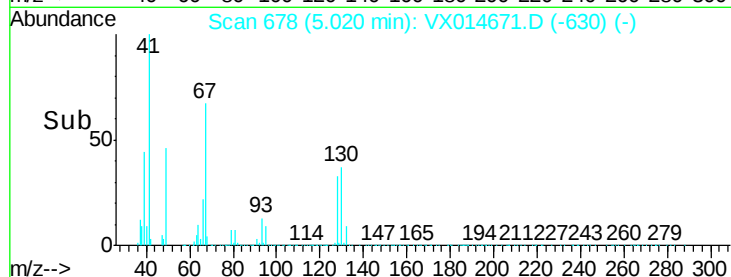
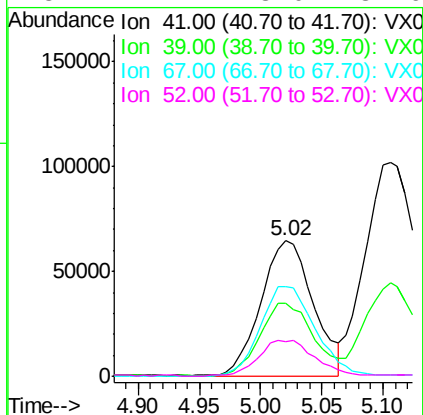
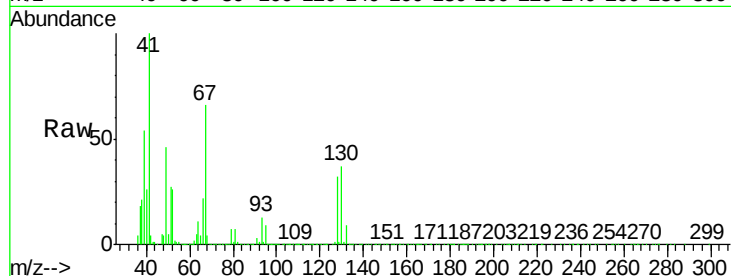
#41
Methacrylonitrile
Concen: 53.672 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		194158		
39	55.1	43.6	65.4		
67	68.7	57.9	86.9		
52	27.7	23.0	34.6		

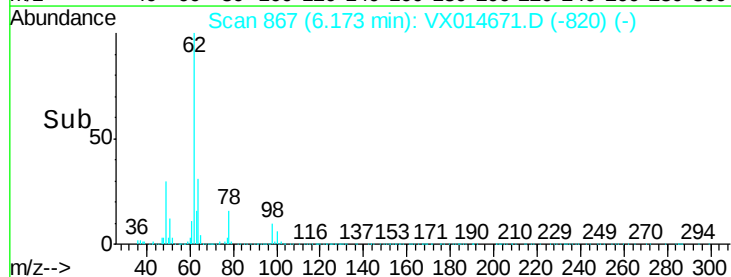
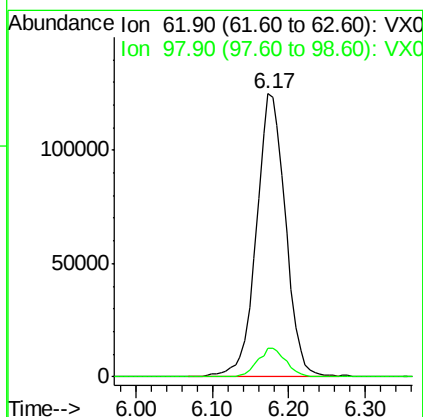
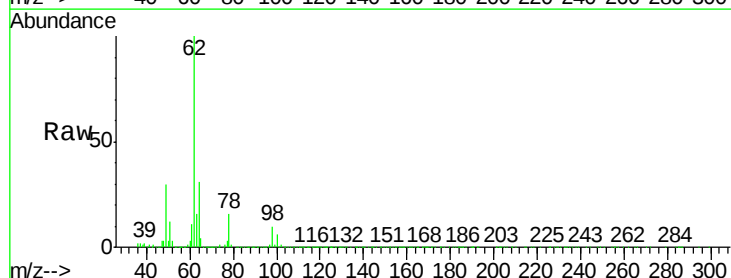
Manual Integrations
APPROVED

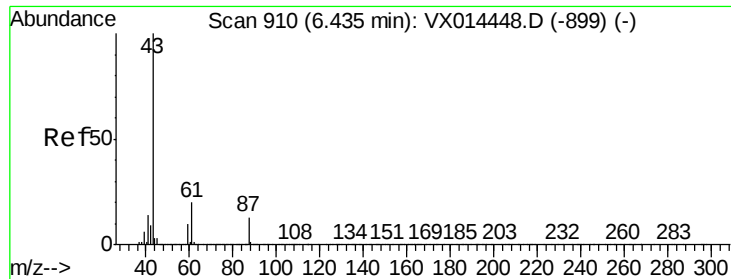
MMDadoda
1/21/2020 2:15:03 PM



#42
1,2-Dichloroethane
Concen: 51.383 ug/l
RT: 6.17 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		333004		
98	10.0	0.0	20.4		





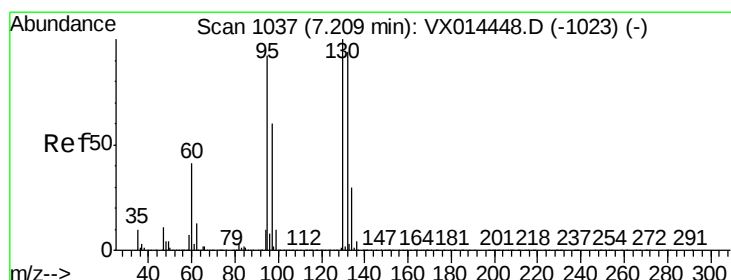
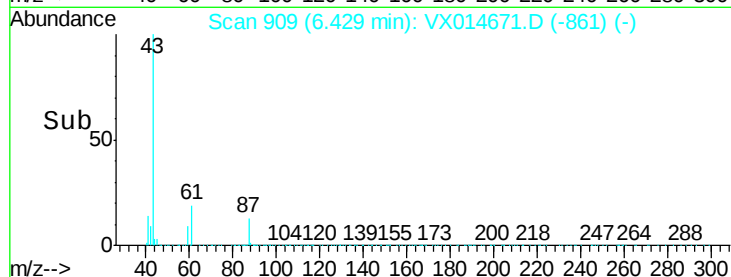
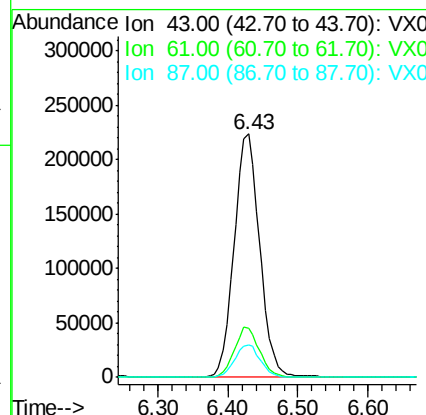
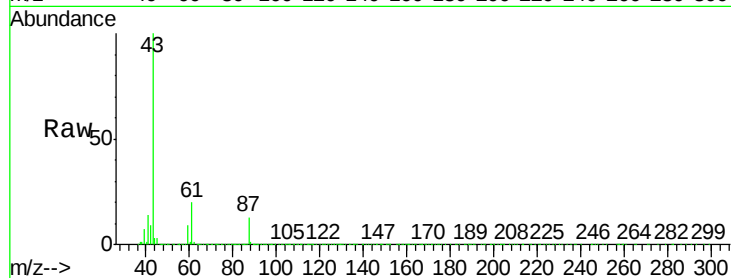
#43
Isopropyl Acetate
Concen: 51.478 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.6	24.8
87	13.5	10.8	16.2

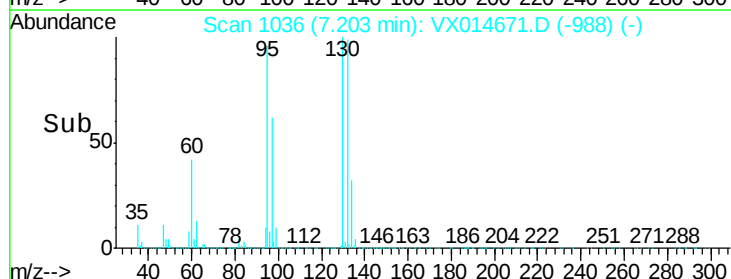
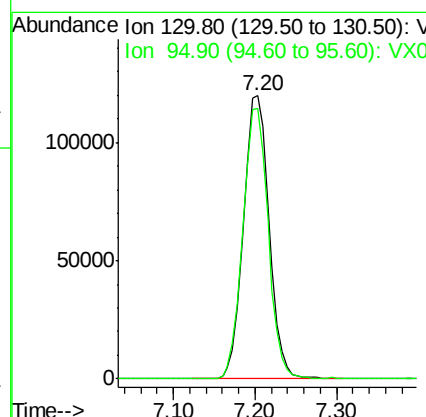
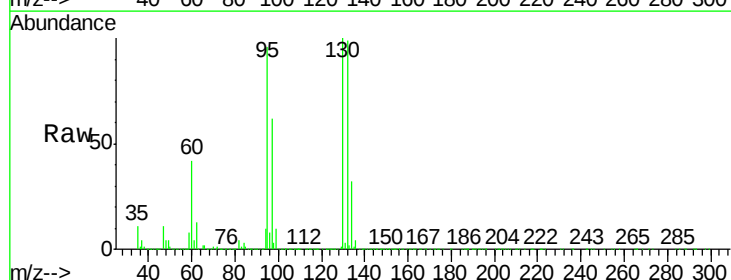
Manual Integrations
APPROVED

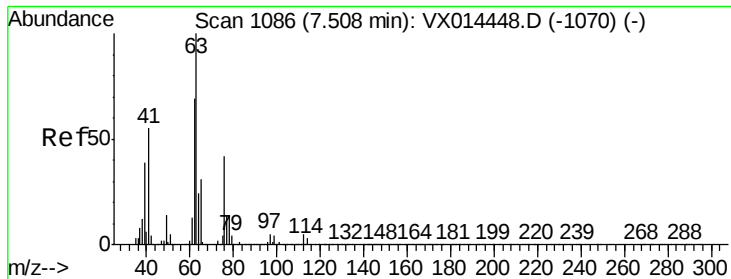
MMDadoda
1/21/2020 2:15:03 PM



#44
Trichloroethene
Concen: 48.808 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	184.2





#45

1,2-Dichloropropane

Concen: 52.829 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 249651

Ion Ratio Lower Upper

63 100

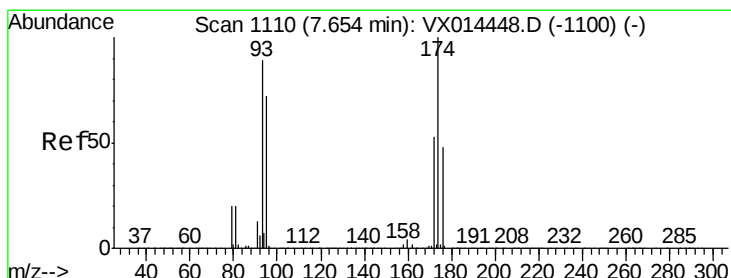
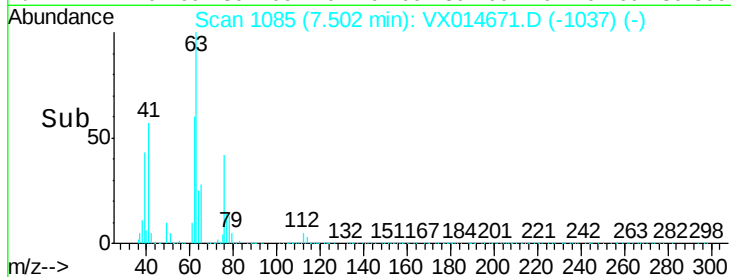
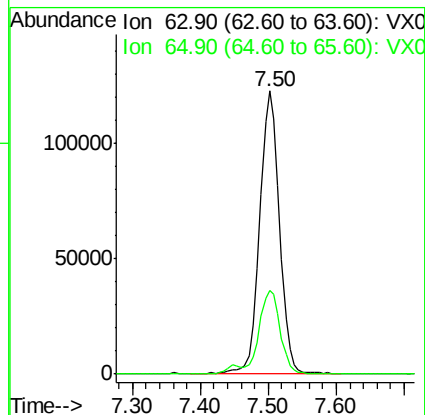
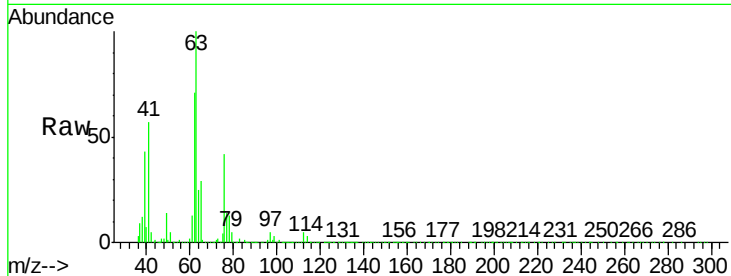
65 29.2 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

1/21/2020 2:15:03 PM



#46

Dibromomethane

Concen: 48.107 ug/l

RT: 7.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

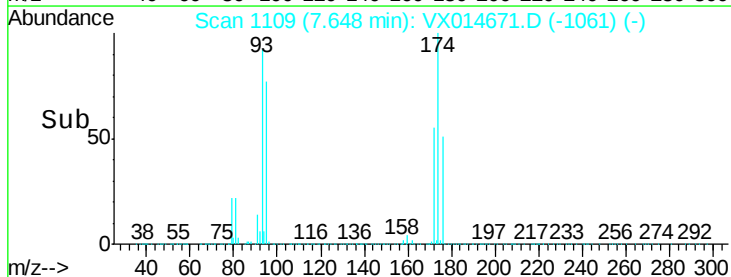
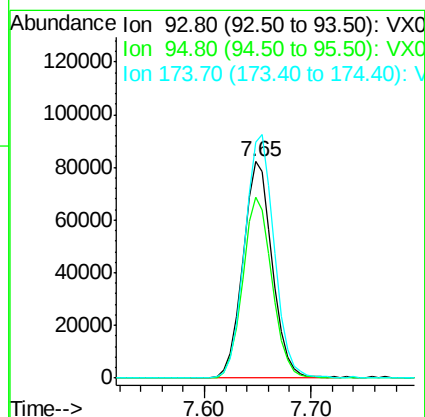
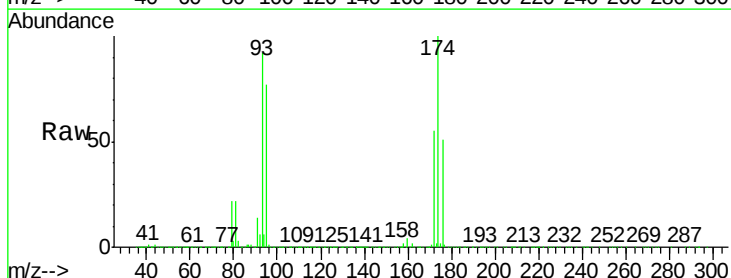
Tgt Ion: 93 Resp: 158672

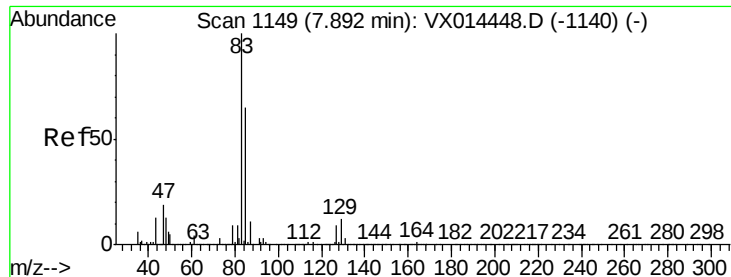
Ion Ratio Lower Upper

93 100

95 84.0 65.4 98.2

174 113.5 93.0 139.4





#47

Bromodichloromethane

Concen: 54.049 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

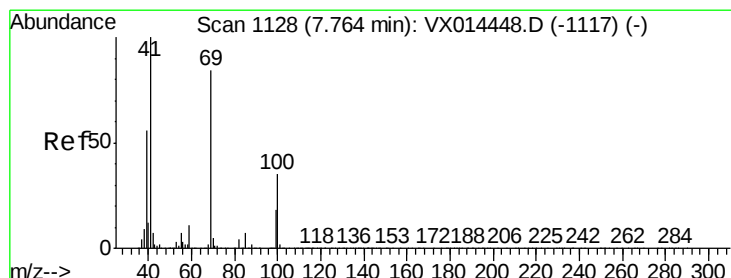
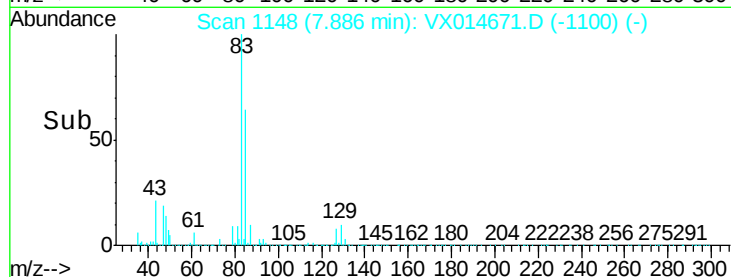
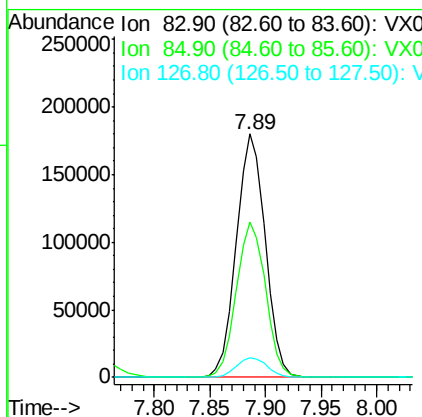
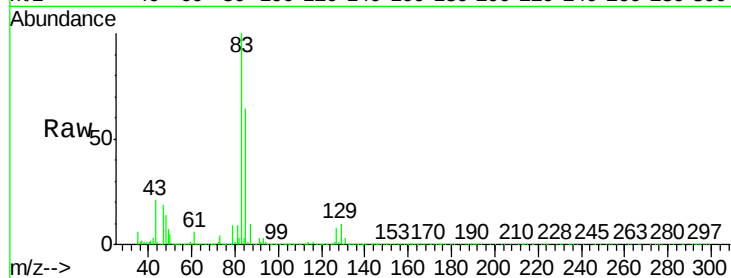
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	324379
Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.7	77.5
127	8.2	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#48

Methyl methacrylate

Concen: 53.744 ug/l

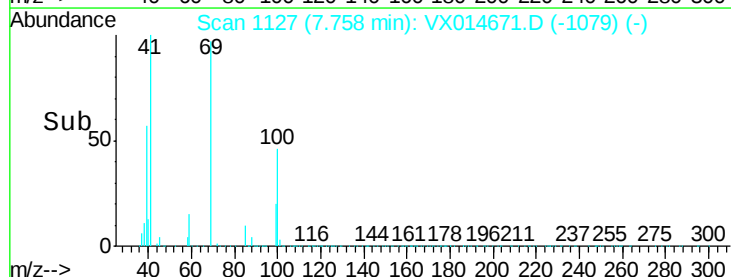
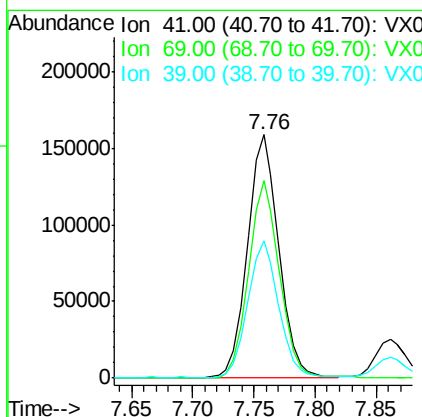
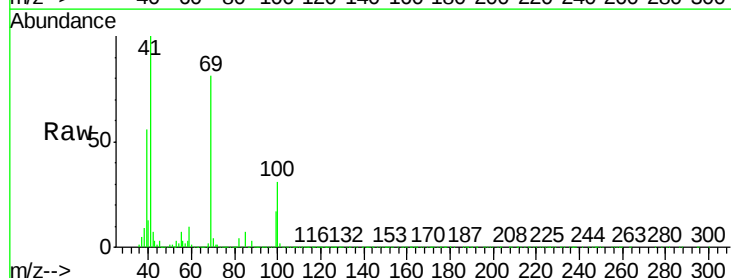
RT: 7.76 min Scan# 1127

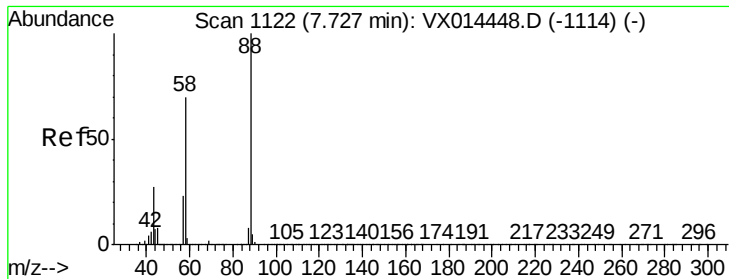
Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	41	Resp:	282074
Ion	Ratio	Lower	Upper
41	100		
69	80.7	65.5	98.3
39	55.6	43.9	65.9





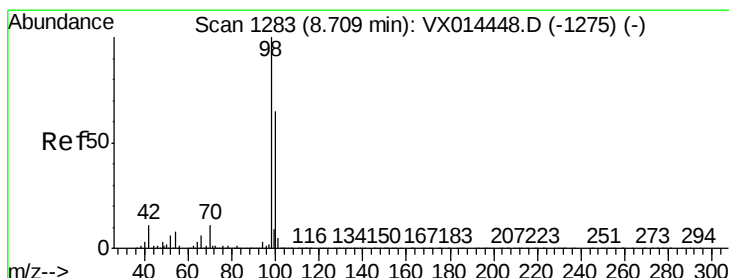
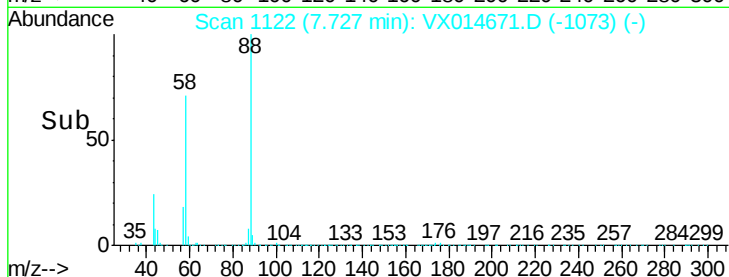
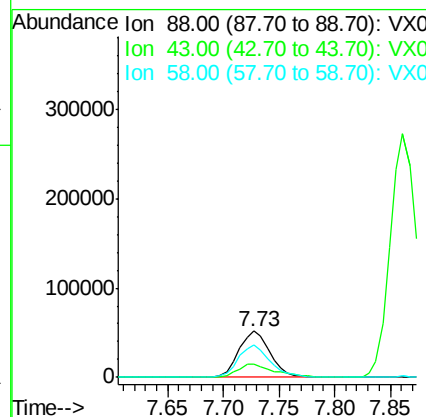
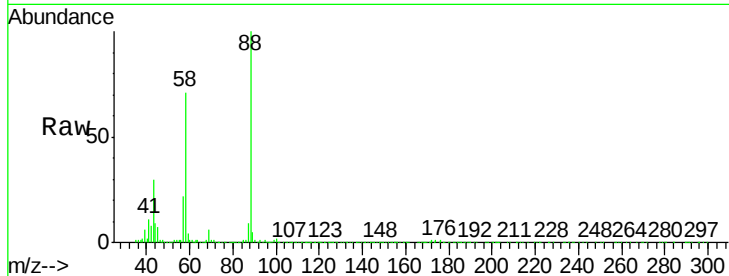
#49
 1,4-Dioxane
 Concen: 898.713 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	27.4	41.0
58	70.8	57.1	85.7

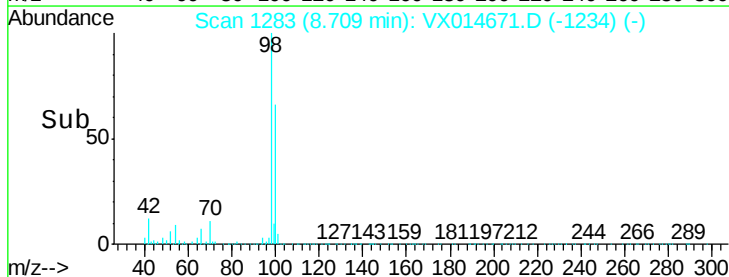
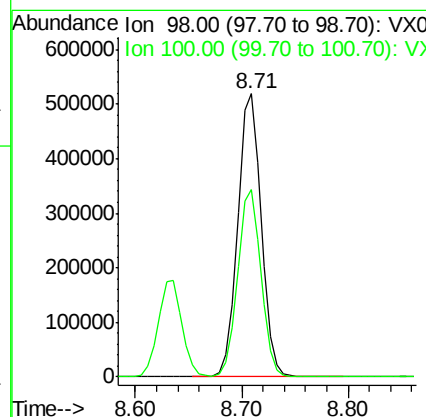
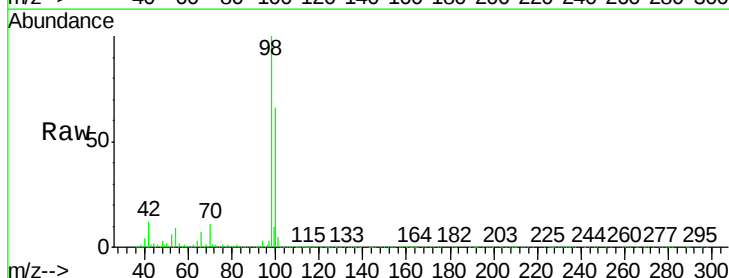
Manual Integrations
 APPROVED

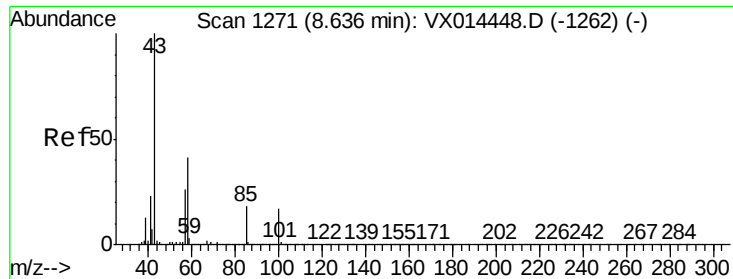
MMDadoda
 1/21/2020 2:15:03 PM



#50
 Toluene-d8
 Concen: 51.336 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.2	79.8





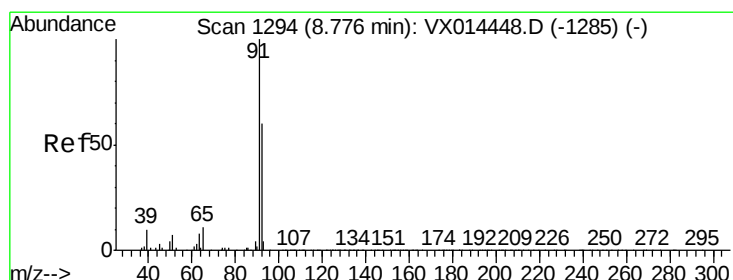
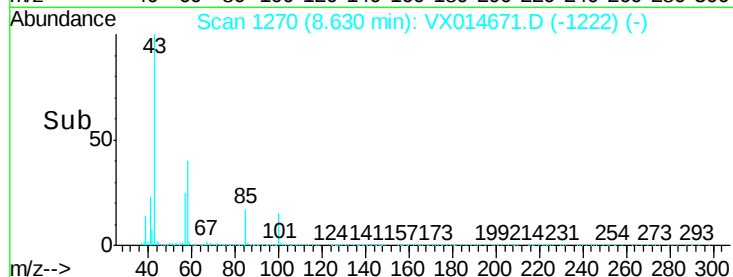
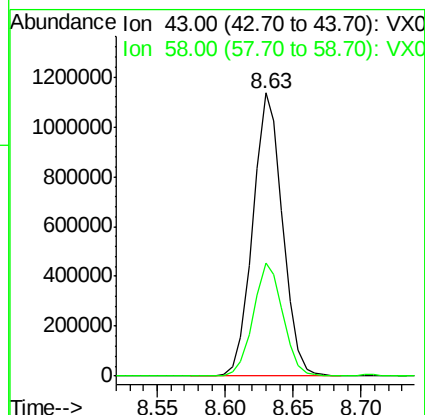
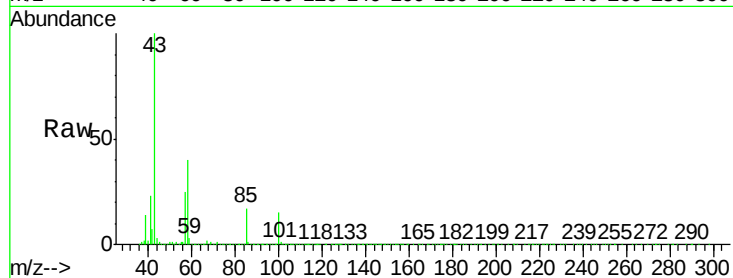
#51
4-Methyl-2-Pentanone
Concen: 260.757 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1741251
Ion Ratio Lower Upper
43 100
58 39.6 32.4 48.6

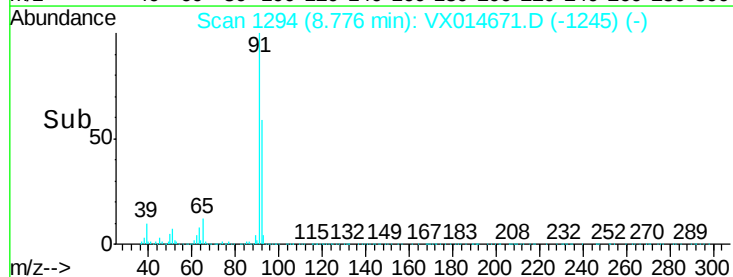
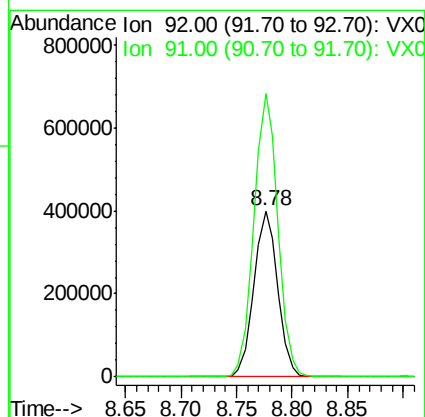
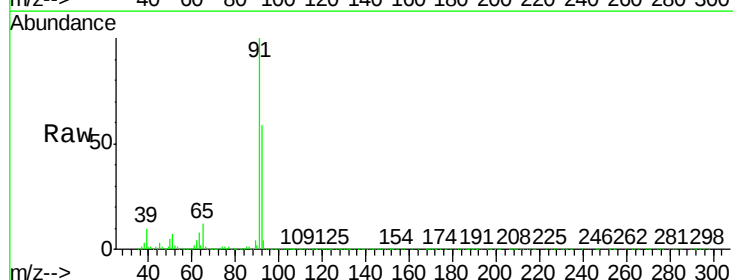
Manual Integrations
APPROVED

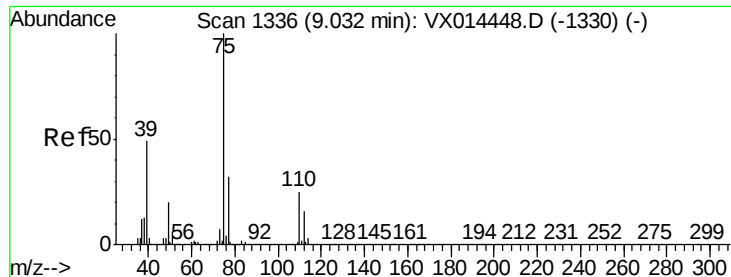
MMDadoda
1/21/2020 2:15:03 PM



#52
Toluene
Concen: 50.122 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion: 92 Resp: 594718
Ion Ratio Lower Upper
92 100
91 171.6 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 51.466 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 359599

Ion Ratio Lower Upper

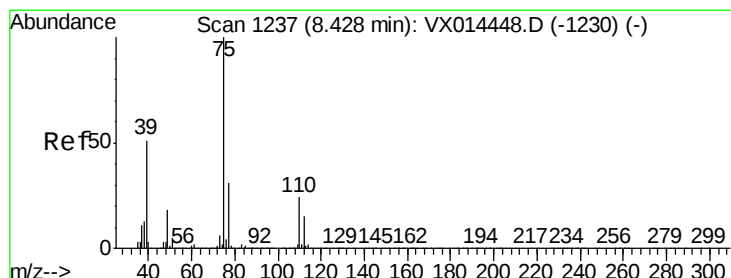
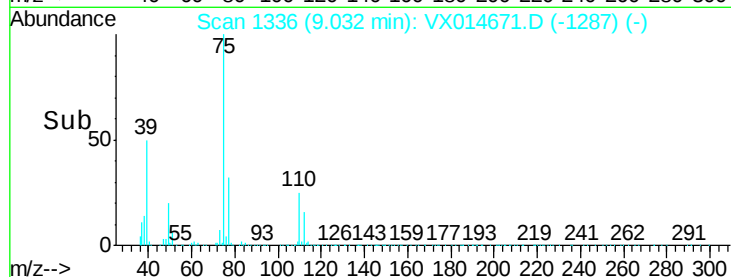
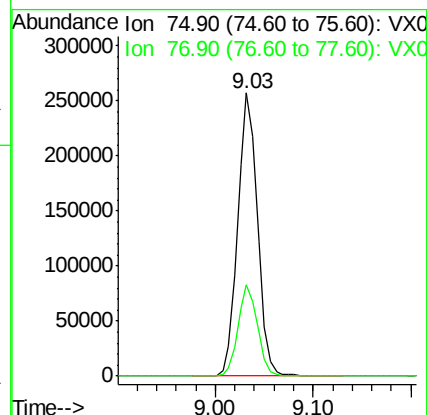
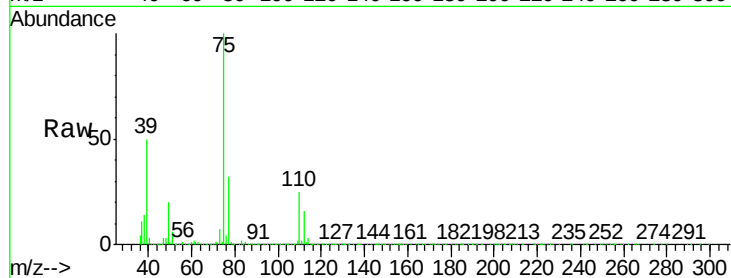
75 100

77 32.3 25.4 38.2

Manual Integrations
APPROVED

MMDadoda

1/21/2020 2:15:03 PM



#54

cis-1,3-Dichloropropene

Concen: 53.098 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

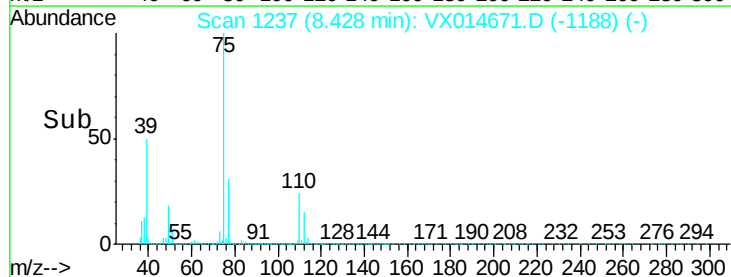
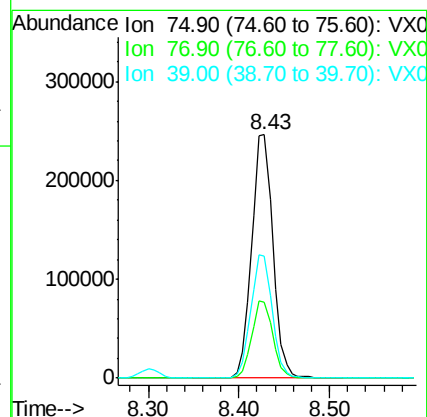
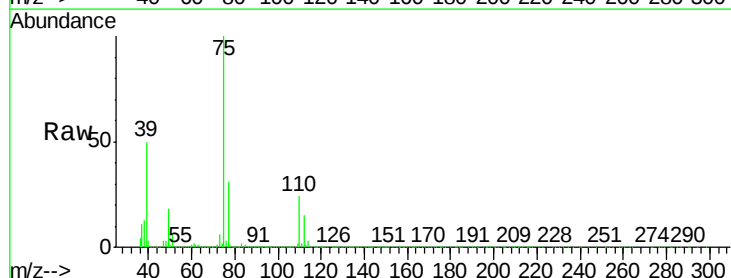
Tgt Ion: 75 Resp: 400777

Ion Ratio Lower Upper

75 100

77 30.9 25.0 37.4

39 49.8 40.7 61.1





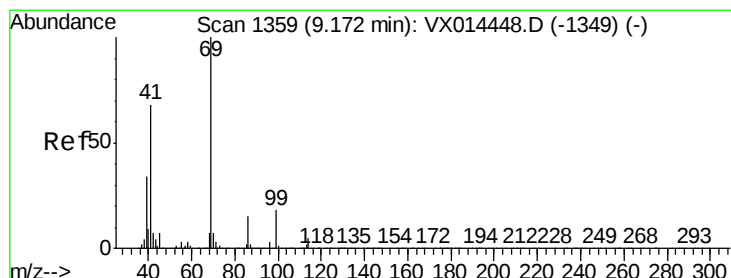
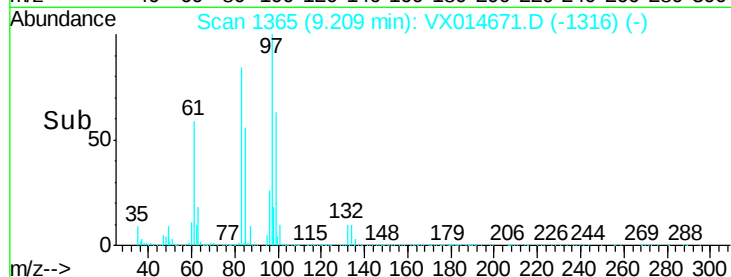
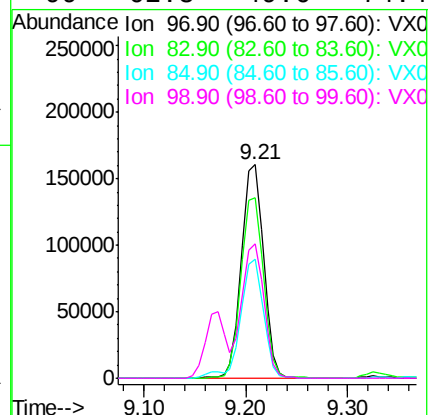
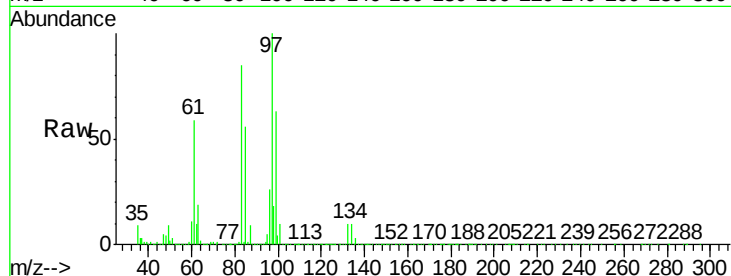
#55
1,1,2-Trichloroethane
Concen: 50.557 ug/l
RT: 9.21 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		240947		
83	84.5	66.4	99.6		
85	55.7	43.4	65.2		
99	62.8	49.6	74.4		

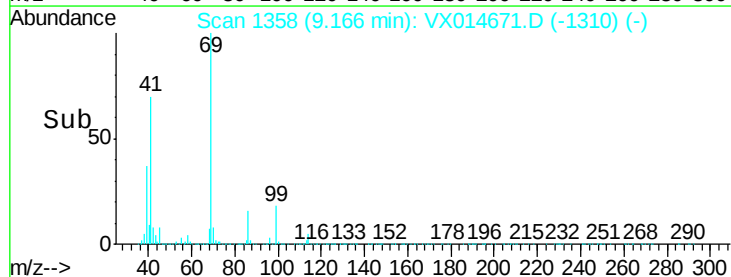
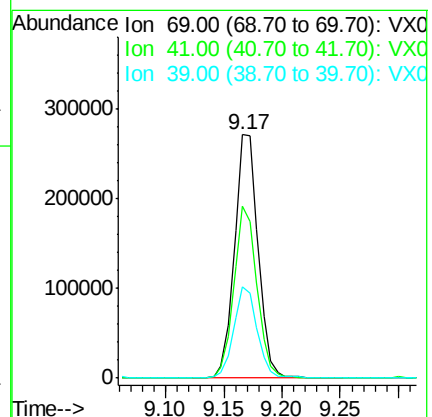
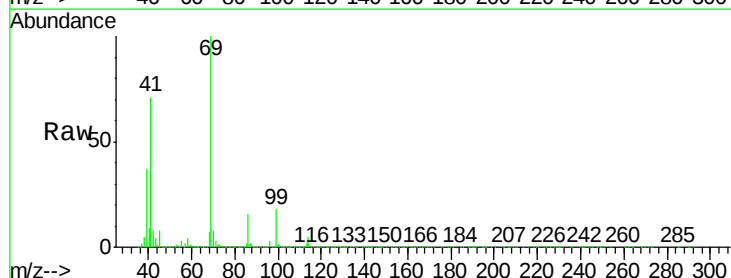
Manual Integrations
APPROVED

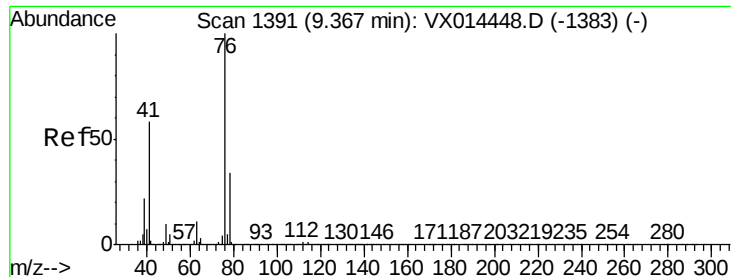
MMDadoda
1/21/2020 2:15:03 PM



#56
Ethyl methacrylate
Concen: 52.632 ug/l
RT: 9.17 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		384295		
41	68.4	54.2	81.2		
39	36.7	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 51.046 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 406761

Ion Ratio Lower Upper

76 100

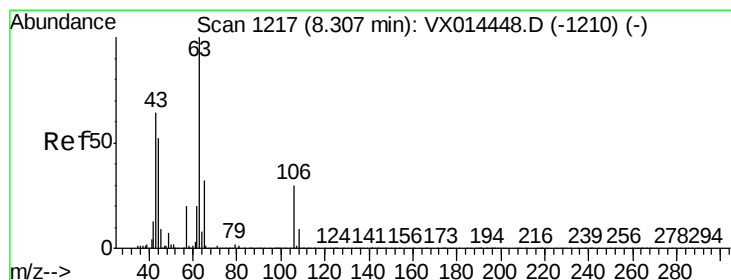
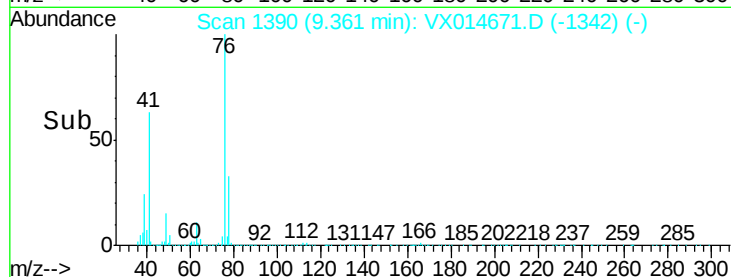
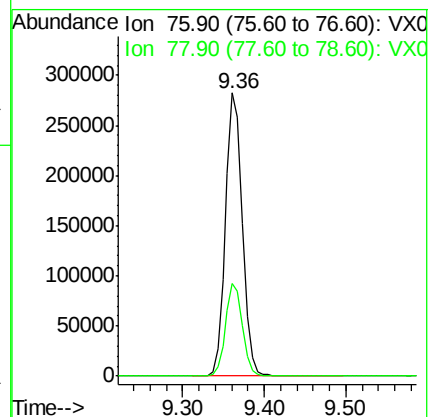
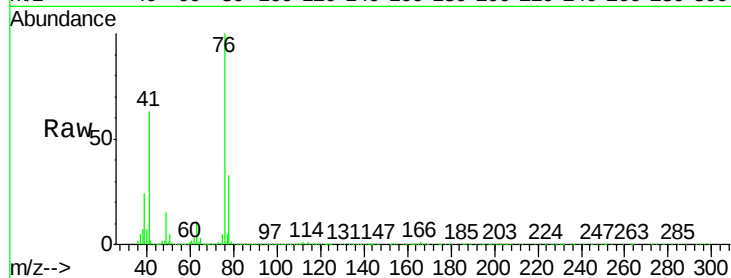
78 32.8 26.4 39.6

Manual Integrations

APPROVED

MMDadoda

1/21/2020 2:15:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 255.825 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014671.D

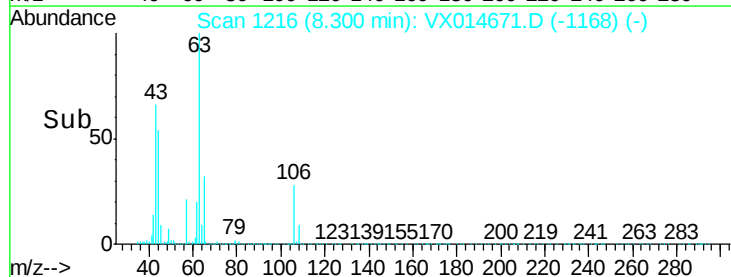
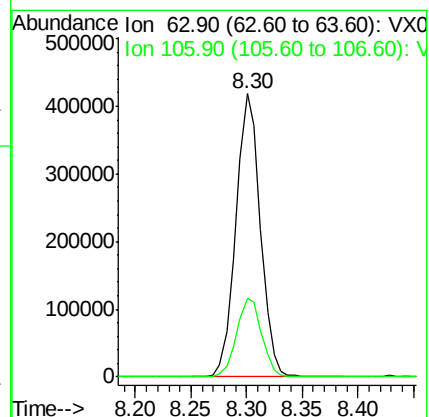
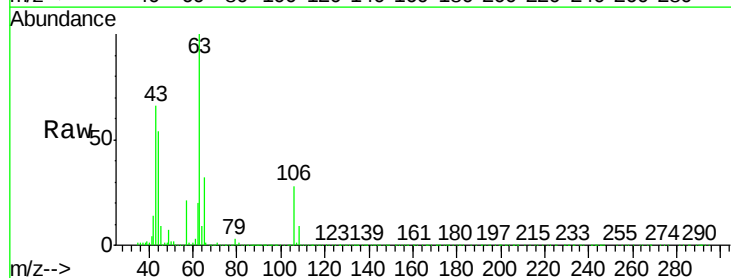
Acq: 20 Jan 2020 16:43

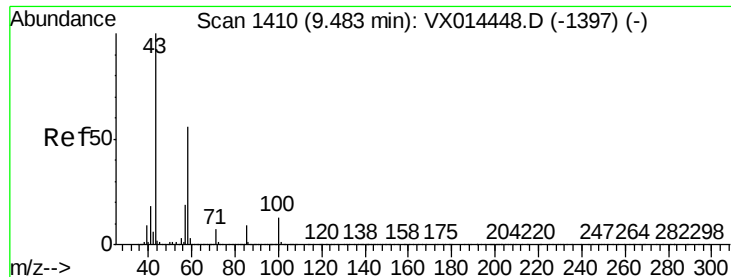
Tgt Ion: 63 Resp: 635525

Ion Ratio Lower Upper

63 100

106 28.5 23.6 35.4





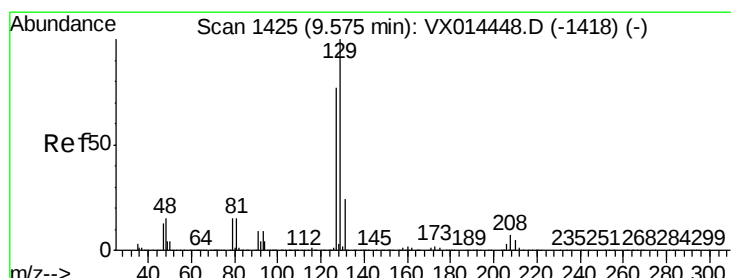
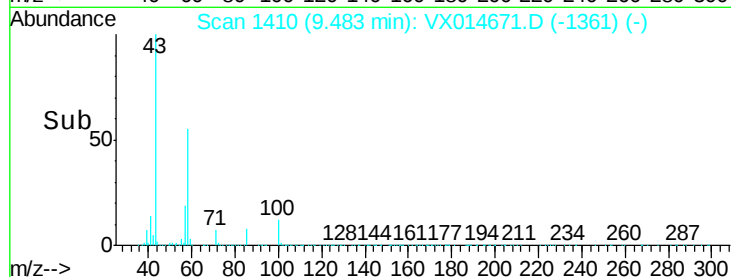
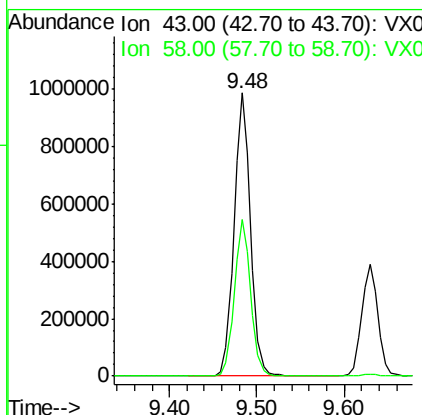
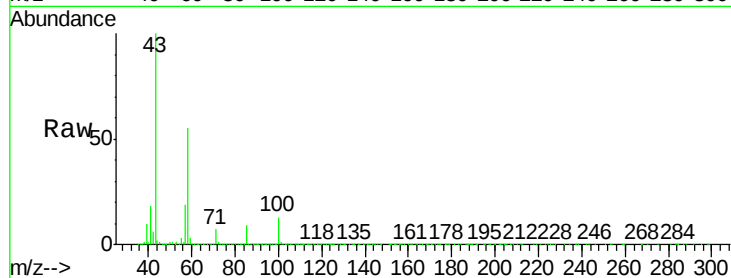
#59
2-Hexanone
Concen: 246.062 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1300107
Ion Ratio Lower Upper
43 100
58 54.9 27.9 83.7

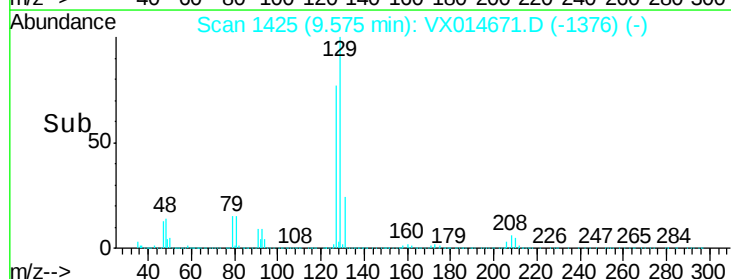
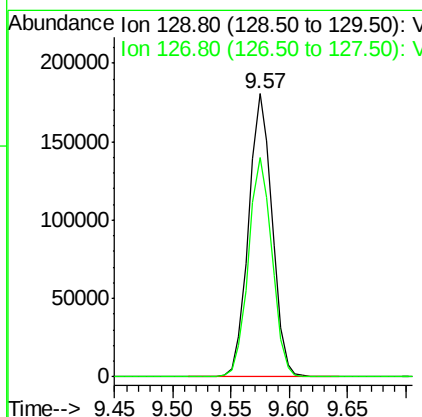
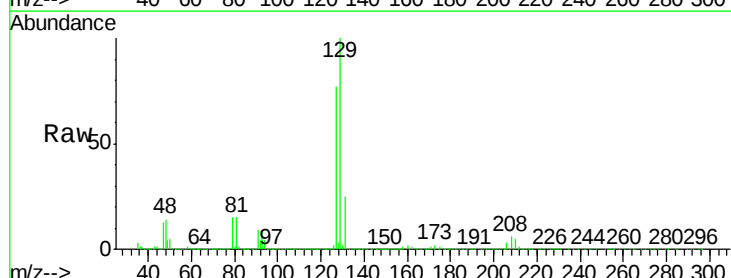
Manual Integrations
APPROVED

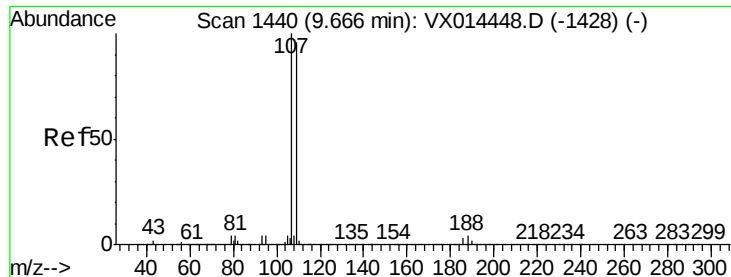
MMDadoda
1/21/2020 2:15:03 PM



#60
Dibromochloromethane
Concen: 53.606 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion: 129 Resp: 256784
Ion Ratio Lower Upper
129 100
127 77.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.798 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 251400

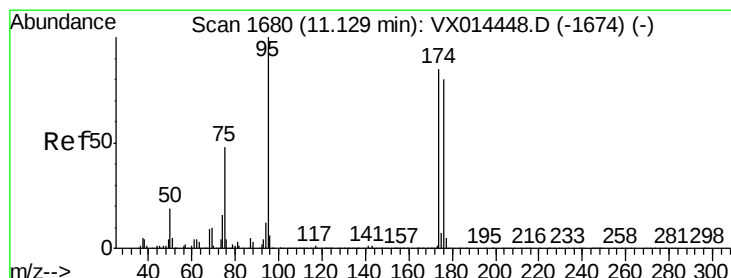
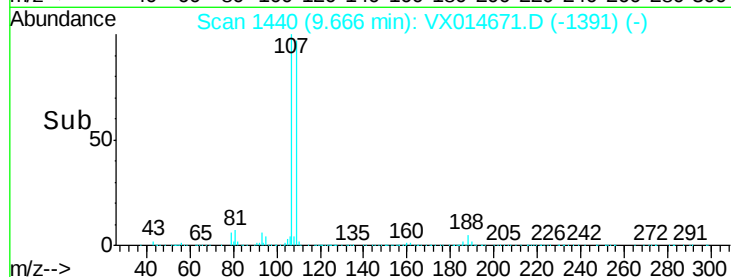
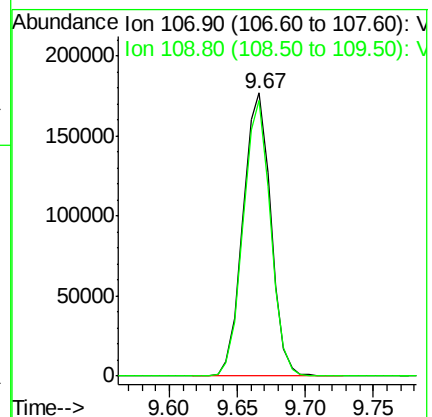
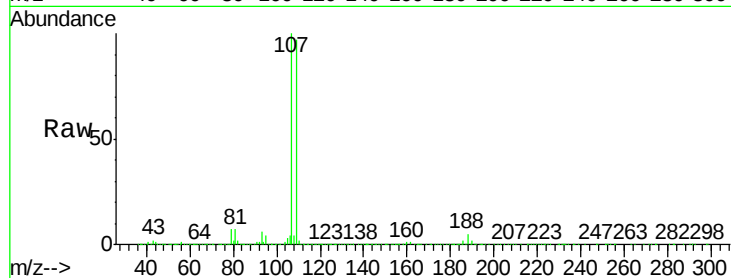
Ion Ratio Lower Upper

107 100

109 96.0 76.5 114.7

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#62

4-Bromofluorobenzene

Concen: 50.118 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

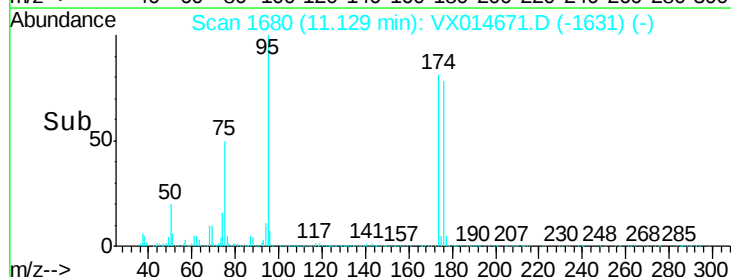
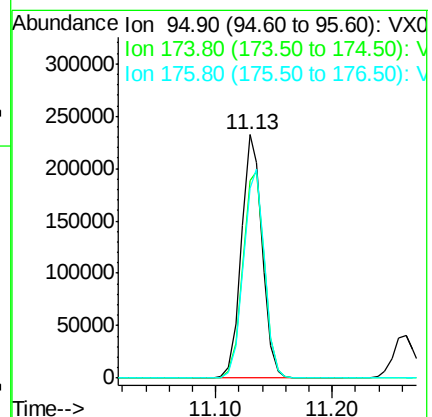
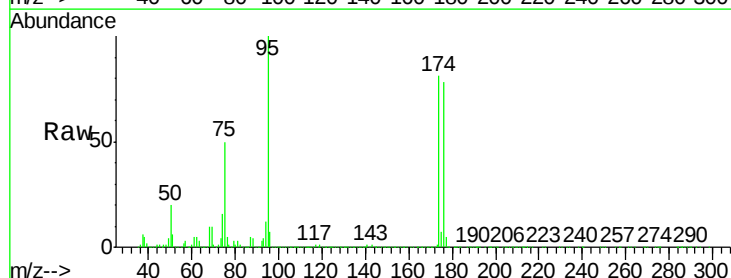
Tgt Ion: 95 Resp: 287029

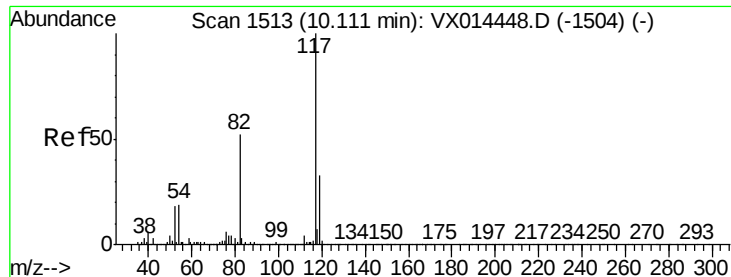
Ion Ratio Lower Upper

95 100

174 88.7 0.0 180.8

176 87.5 0.0 172.8





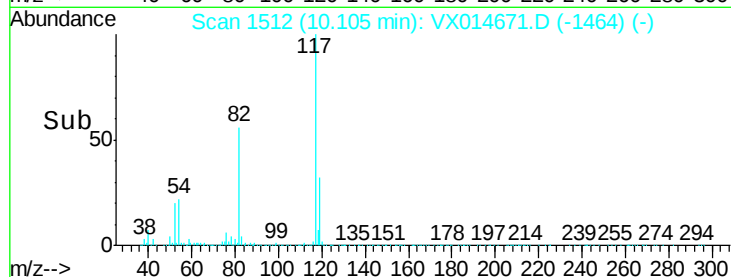
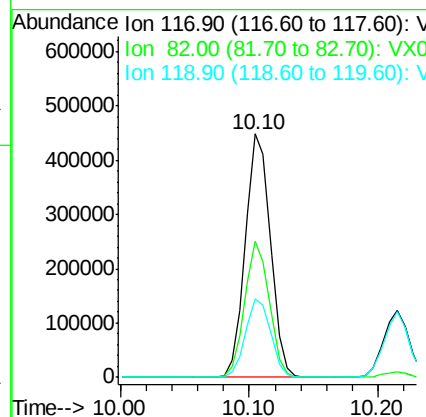
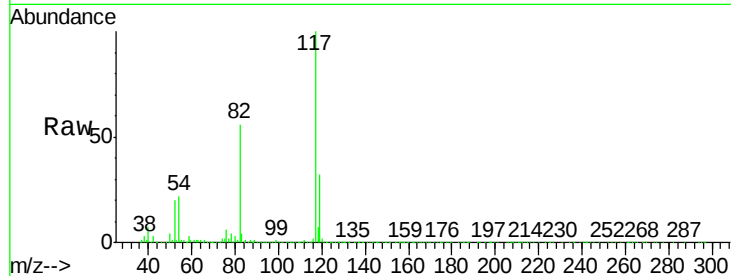
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	602312		
82	55.7	41.8	62.6	
119	32.4	26.2	39.4	

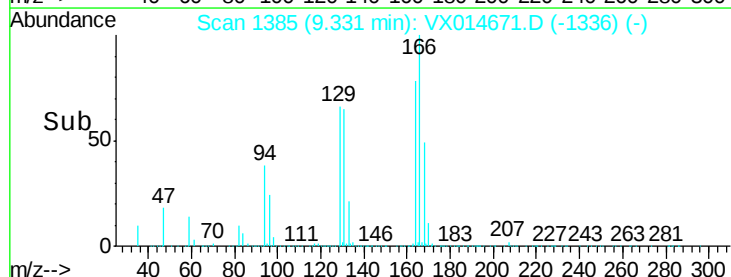
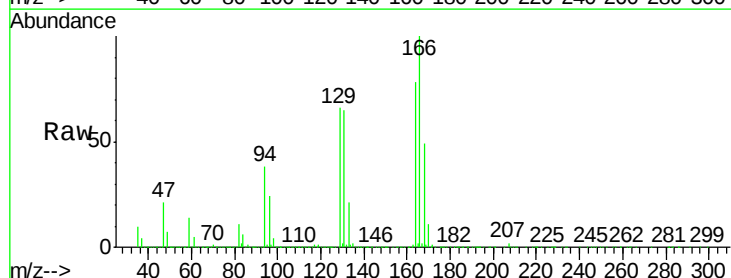
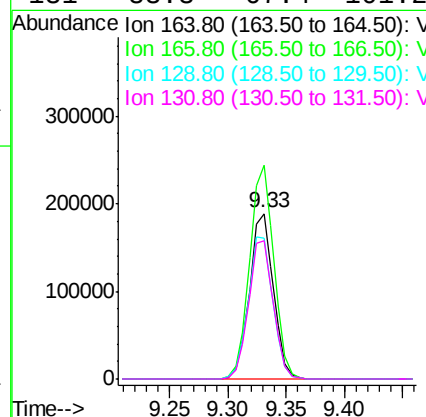
Manual Integrations
APPROVED

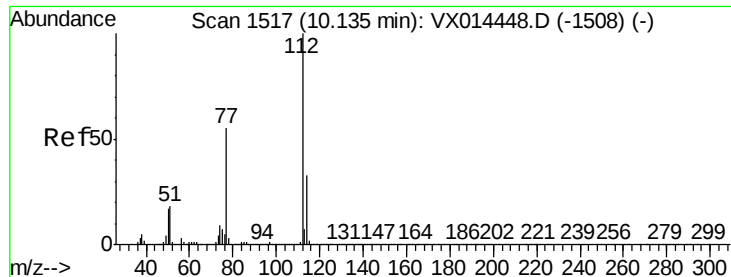
MMDadoda
1/21/2020 2:15:03 PM



#64
Tetrachloroethene
Concen: 44.888 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	270967		
166	128.8	101.2	151.8	
129	85.2	68.3	102.5	
131	83.3	67.4	101.2	





#65

Chlorobenzene

Concen: 49.165 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 642641

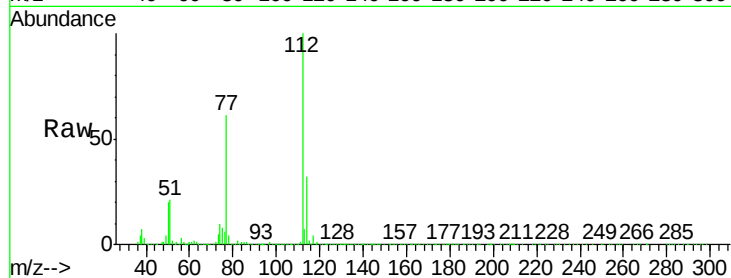
Ion Ratio Lower Upper

112 100

114 32.3 26.2 39.4

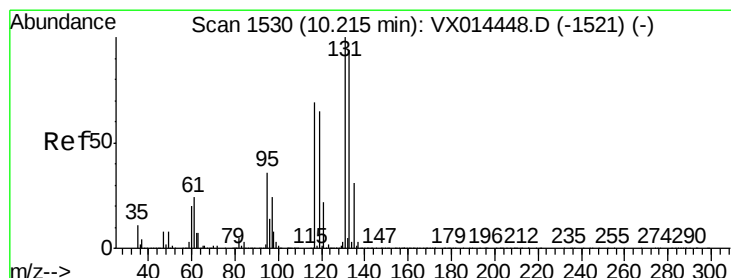
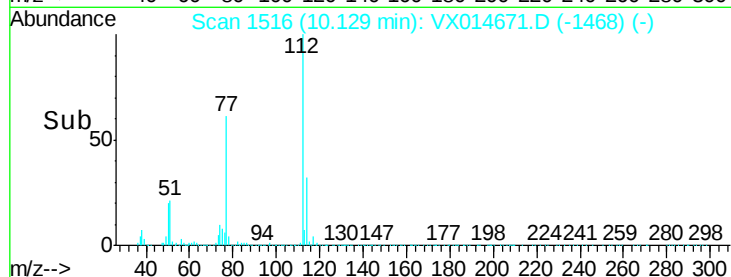
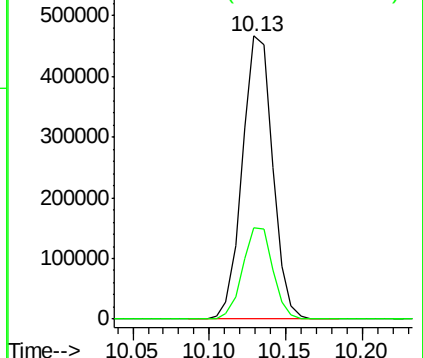
Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.691 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

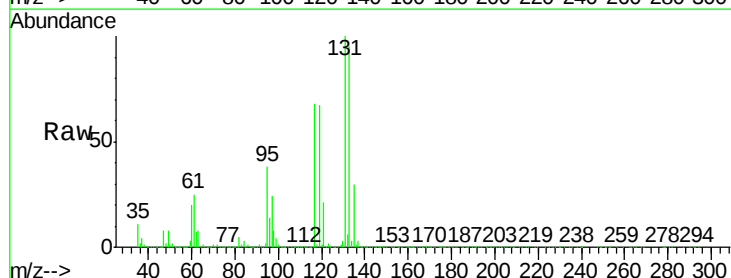
Tgt Ion:131 Resp: 241125

Ion Ratio Lower Upper

131 100

133 96.0 47.3 142.0

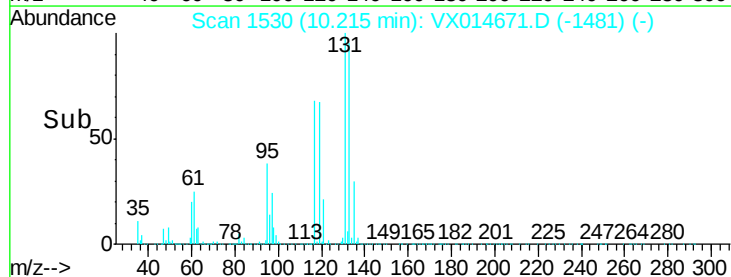
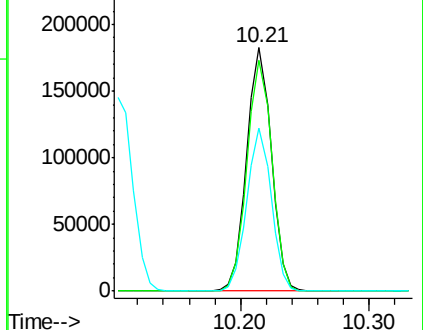
119 66.4 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





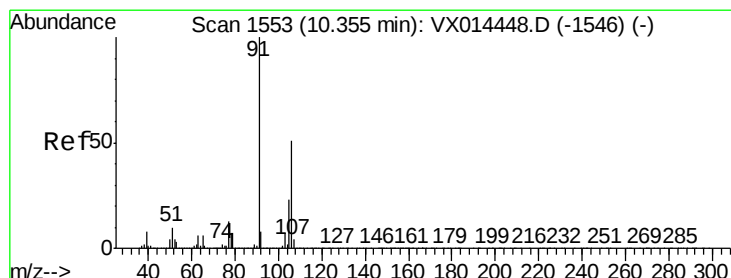
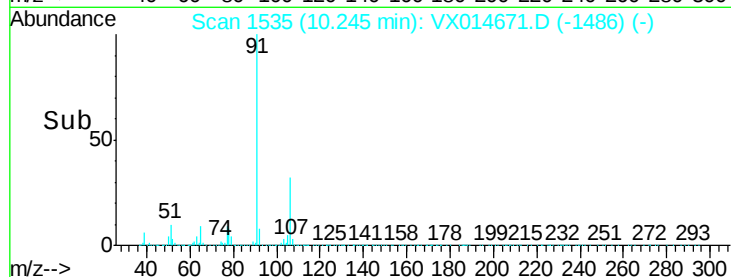
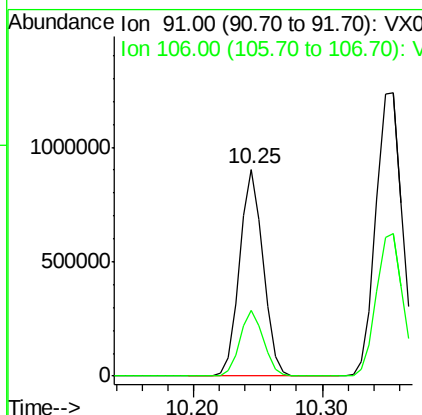
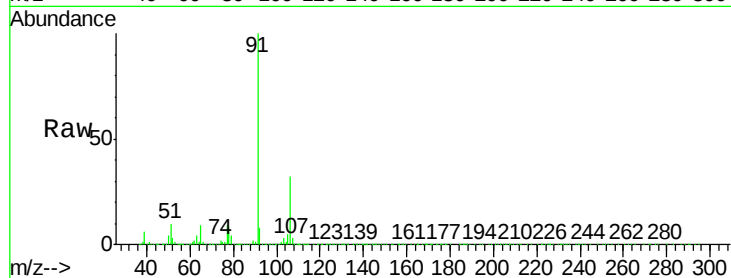
#67
Ethyl Benzene
Concen: 51.252 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1141856
Ion Ratio Lower Upper
91 100
106 31.6 25.6 38.4

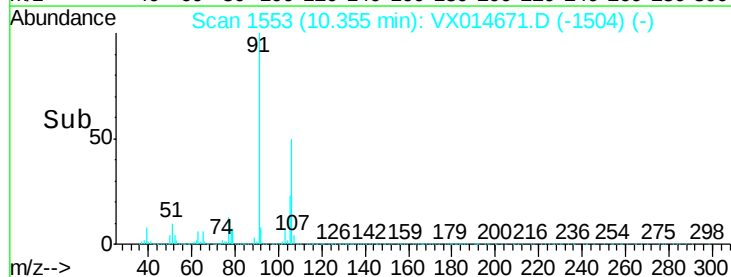
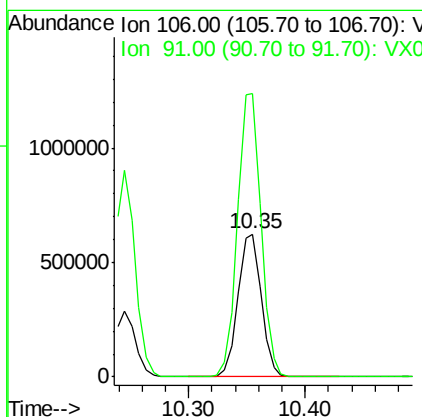
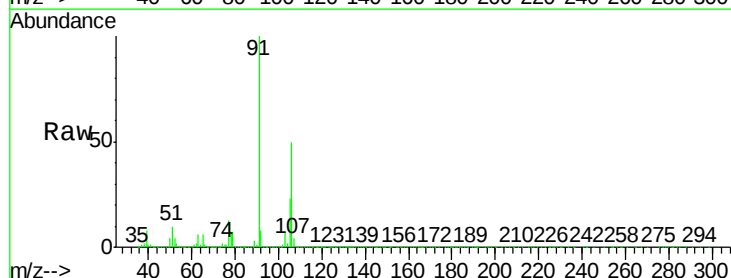
Manual Integrations
APPROVED

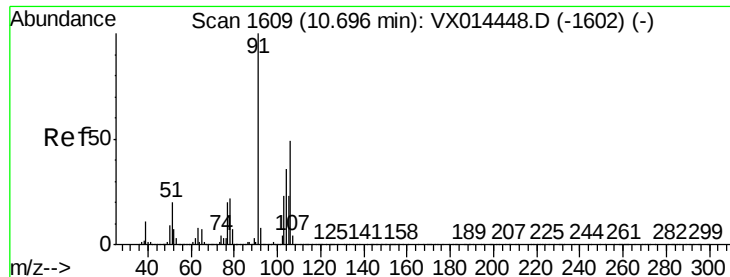
MMDadoda
1/21/2020 2:15:03 PM



#68
m/p-Xylenes
Concen: 101.049 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion: 106 Resp: 868527
Ion Ratio Lower Upper
106 100
91 200.6 157.4 236.0





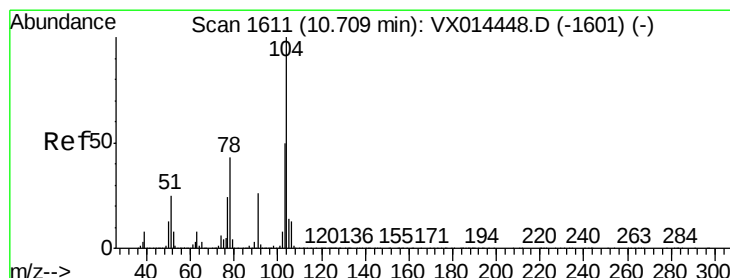
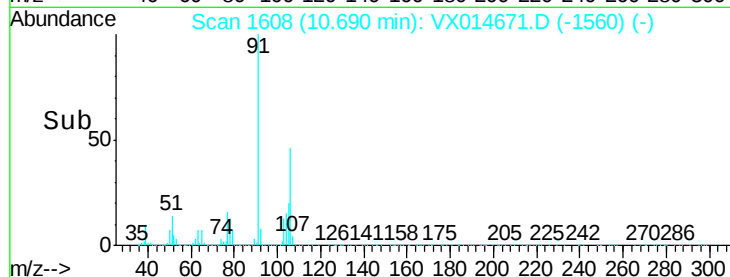
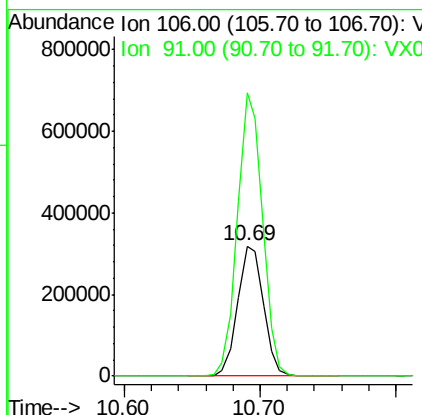
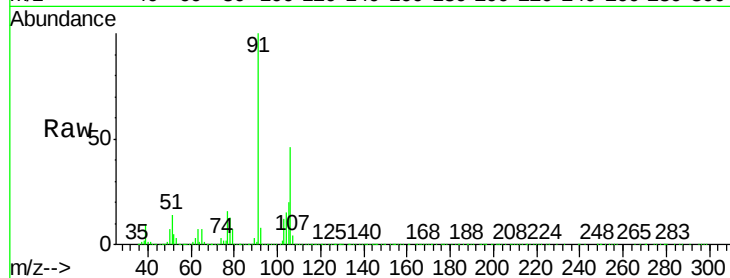
#69
o-Xylene
Concen: 51.196 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.8	105.1	315.1

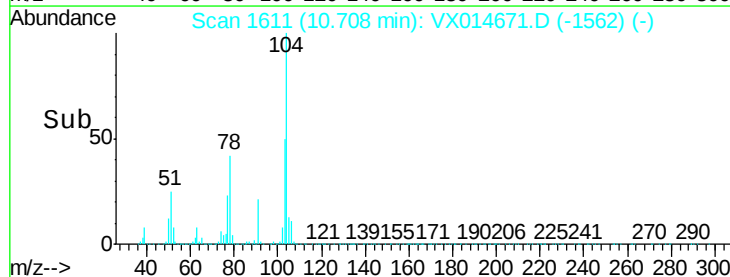
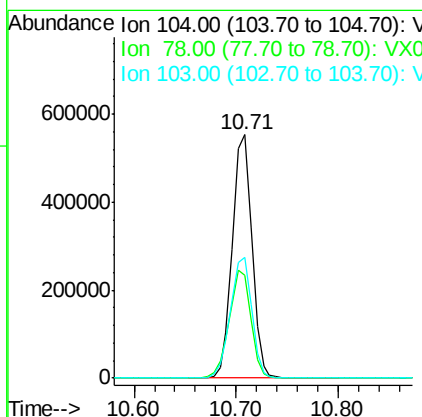
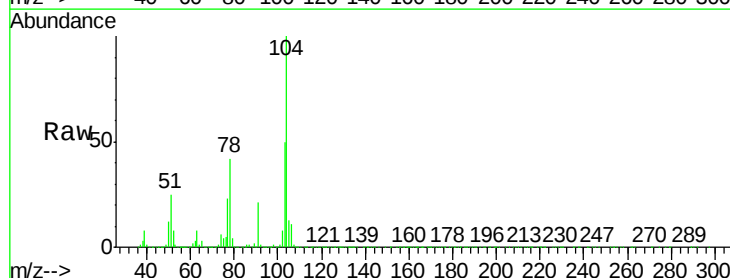
Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#70
Styrene
Concen: 51.560 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.6	58.0
103	54.6	43.7	65.5





#71

Bromoform

Concen: 52.420 ug/l

RT: 10.85 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

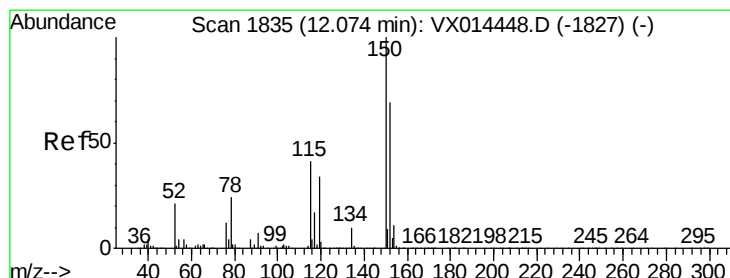
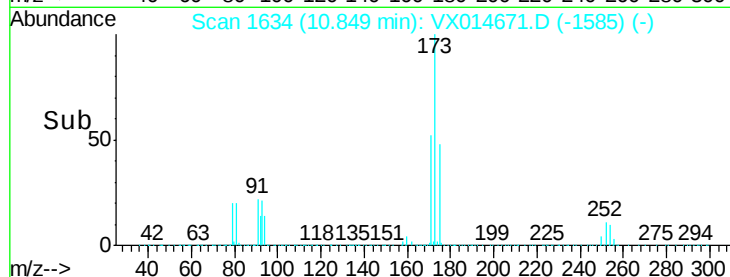
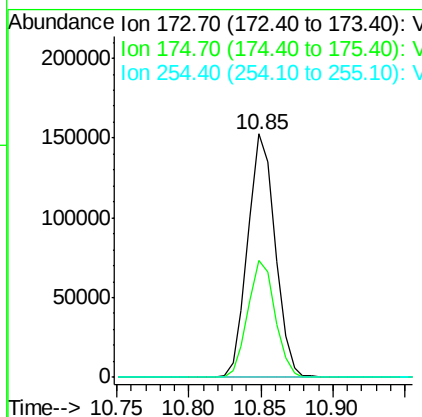
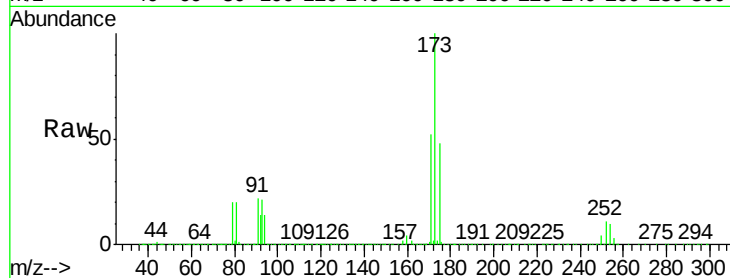
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	200065
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.3	72.8
254	0.3	0.2	0.2#

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

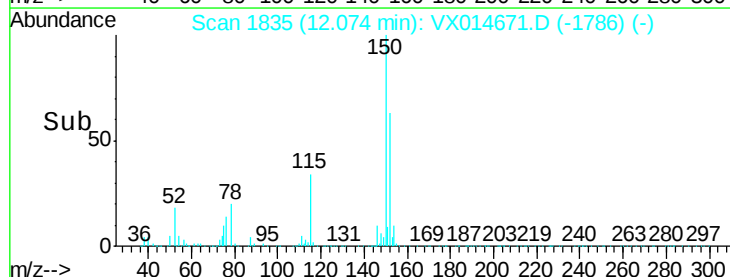
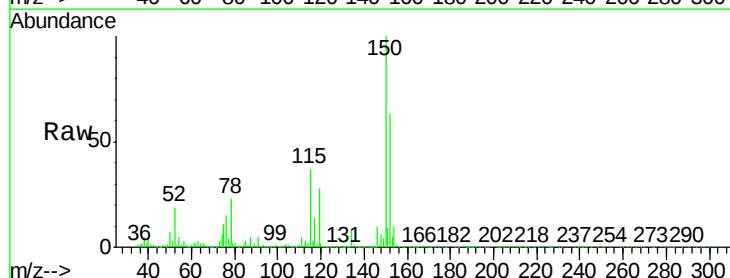
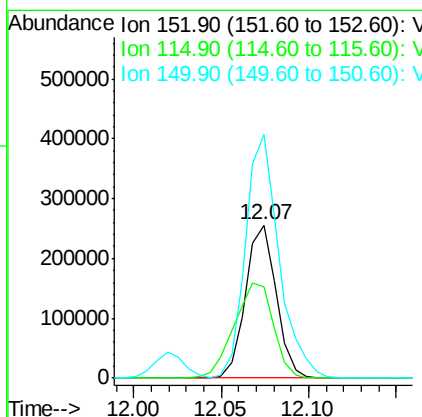
RT: 12.07 min Scan# 1835

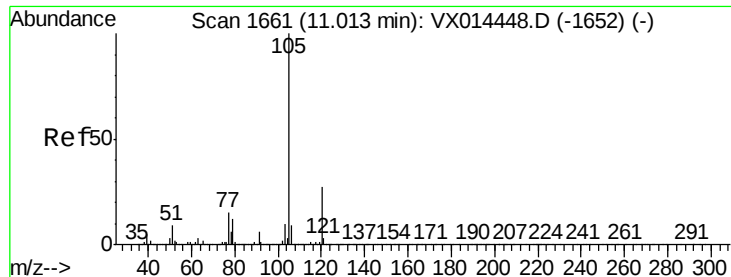
Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	152	Resp:	310759
Ion Ratio	Lower	Upper	
152	100		
115	79.2	39.5	118.3
150	174.7	0.0	350.2





#73

Isopropylbenzene

Concen: 51.605 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1126124

Ion Ratio Lower Upper

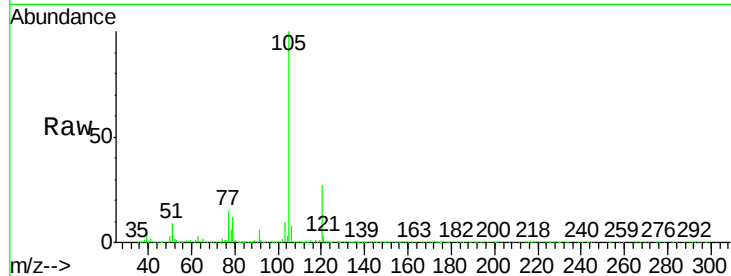
105 100

120 26.9 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

1/21/2020 2:15:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

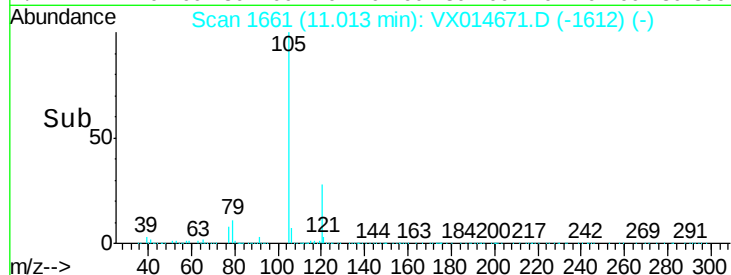
200000

0

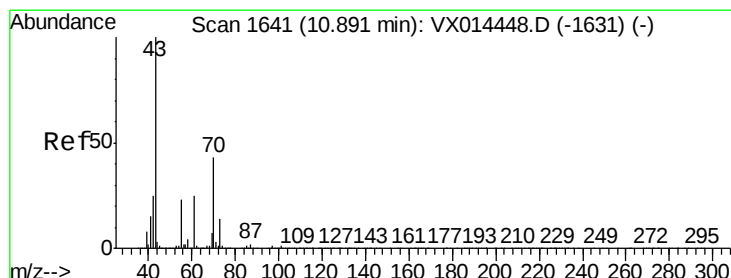
11.01

10.90

11.10



Time-->



#74

N-ethyl acetate

Concen: 50.935 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion: 43 Resp: 490381

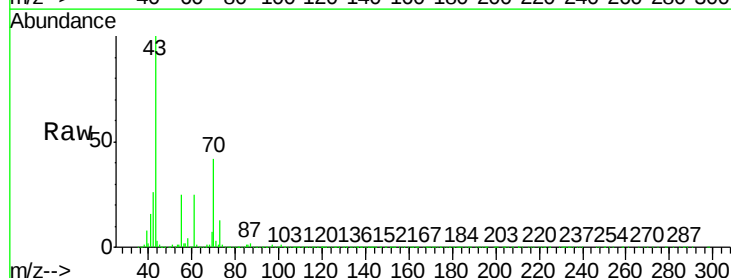
Ion Ratio Lower Upper

43 100

70 42.5 35.1 52.7

55 24.4 19.3 28.9

61 24.7 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

600000

500000

400000

300000

200000

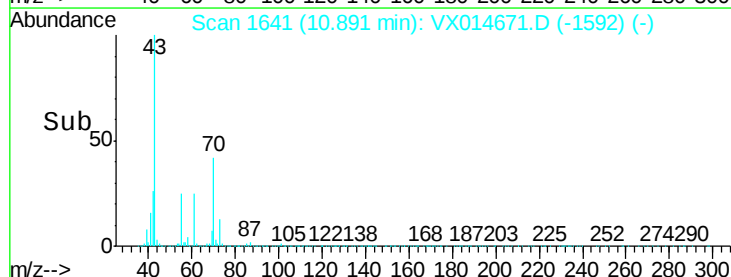
100000

0

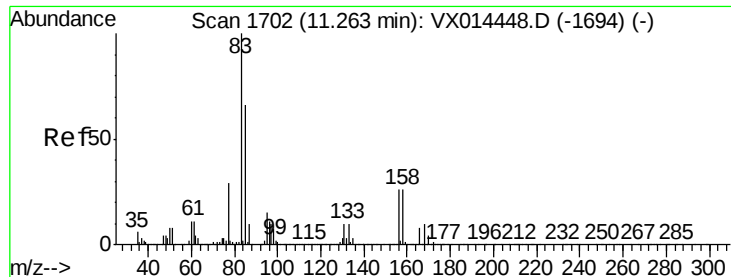
10.89

10.80

11.00



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 51.459 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

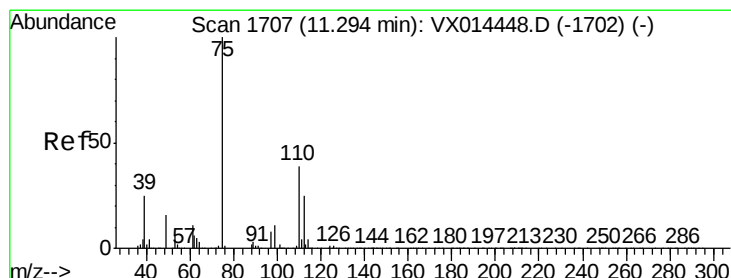
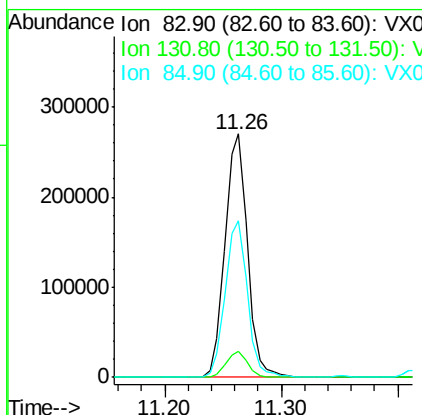
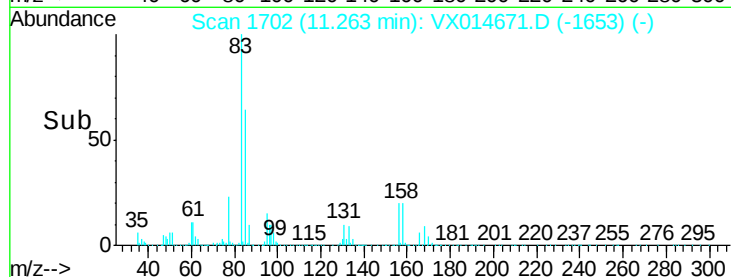
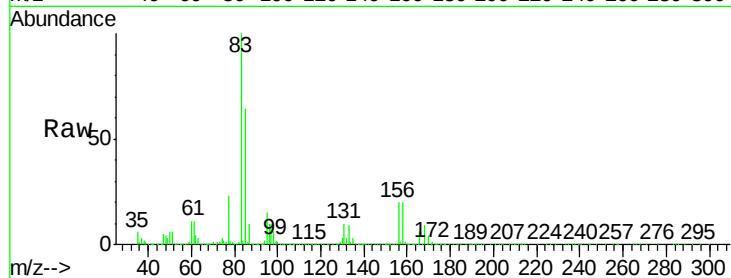
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	360120
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	64.1	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#76

1,2,3-Trichloropropane

Concen: 48.526 ug/l m

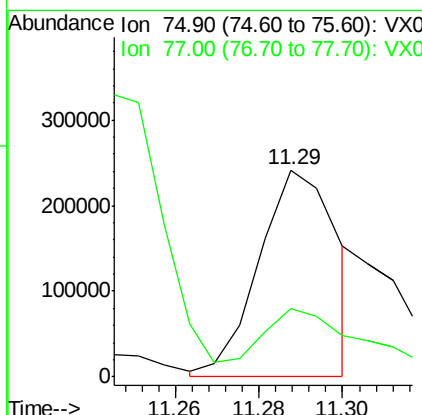
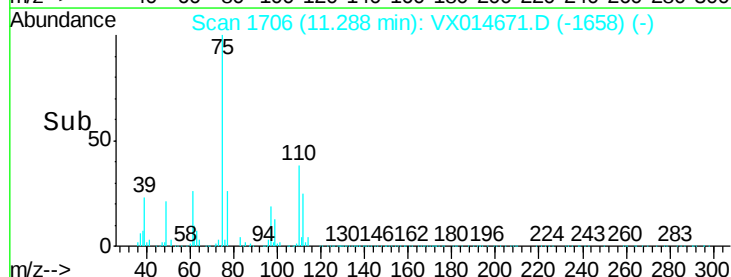
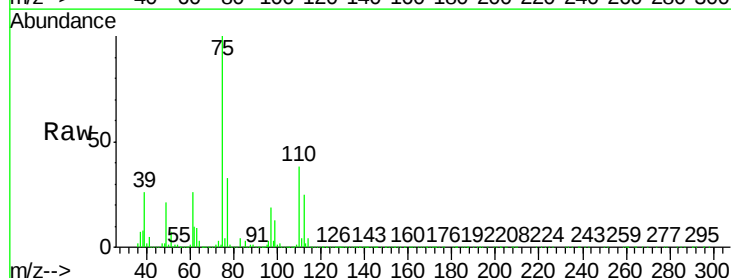
RT: 11.29 min Scan# 1706

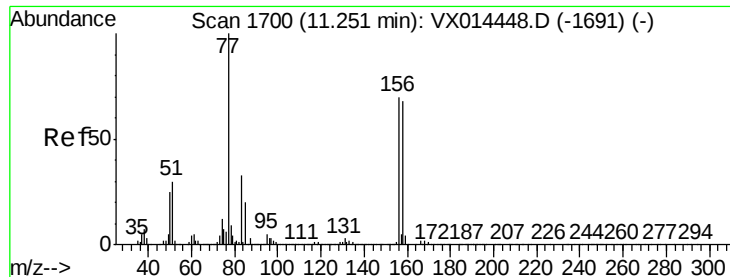
Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	75	Resp:	312003
Ion Ratio	Lower	Upper	
75	100		
77	43.9	21.9	65.7





#77

Bromobenzene

Concen: 47.882 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

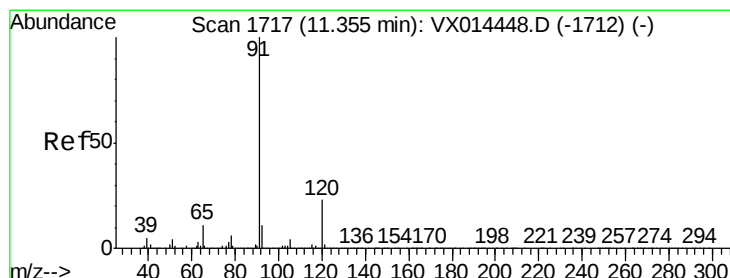
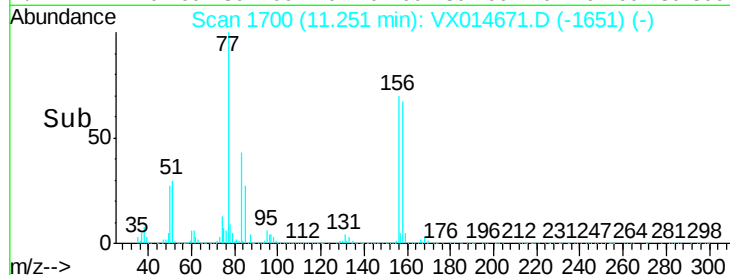
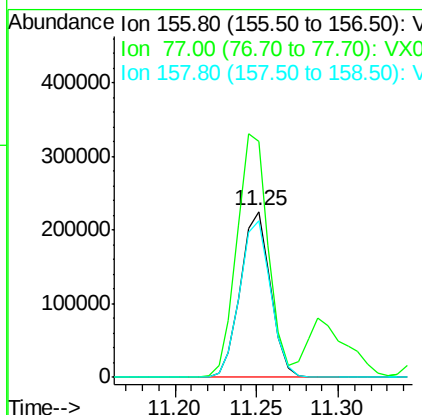
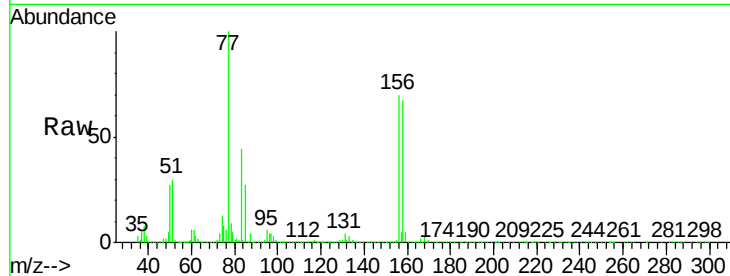
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	289767
Ion Ratio	Lower	Upper	
156	100		
77	152.3	75.4	226.3
158	97.5	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#78

n-propylbenzene

Concen: 52.218 ug/l

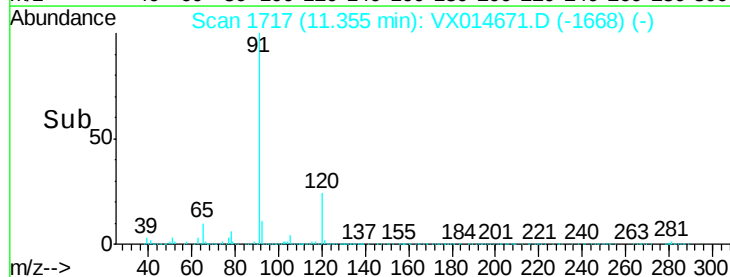
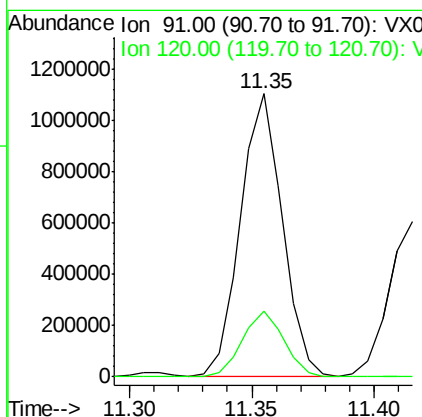
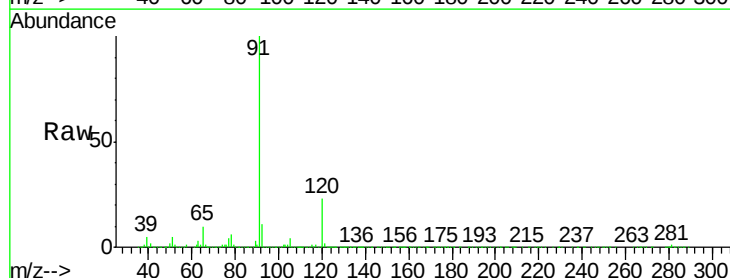
RT: 11.35 min Scan# 1717

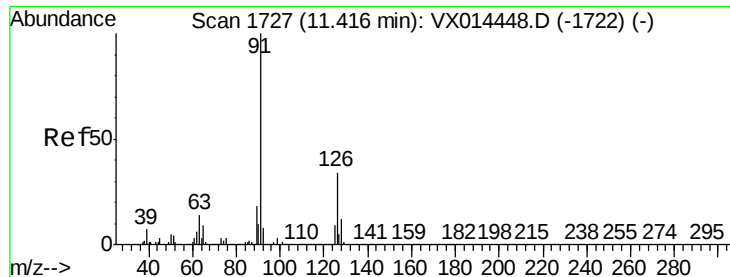
Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	91	Resp:	1304998
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.486 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 751977

Ion Ratio Lower Upper

91 100

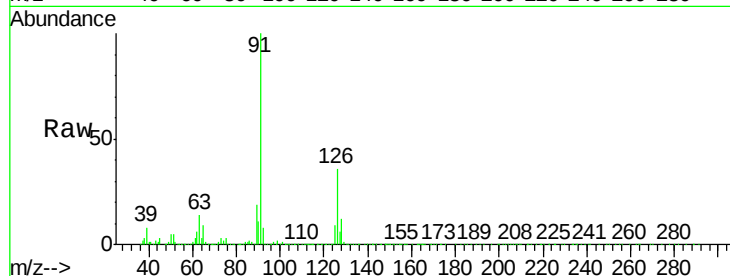
126 35.2 17.5 52.5

Manual Integrations

APPROVED

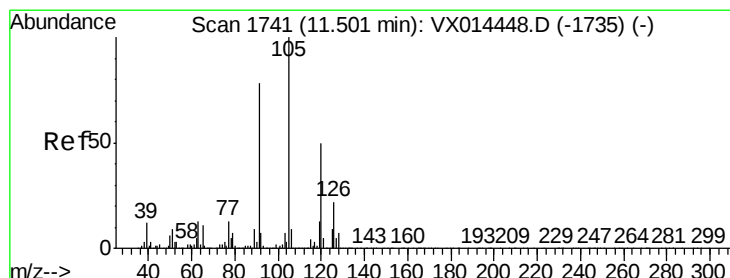
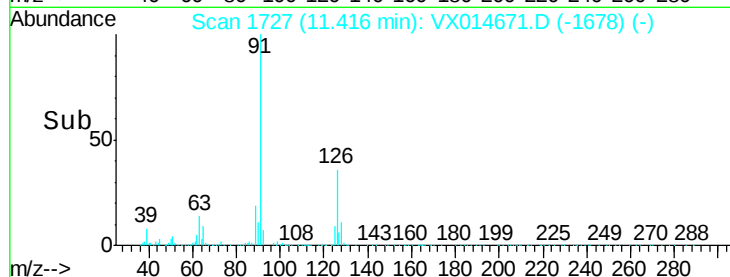
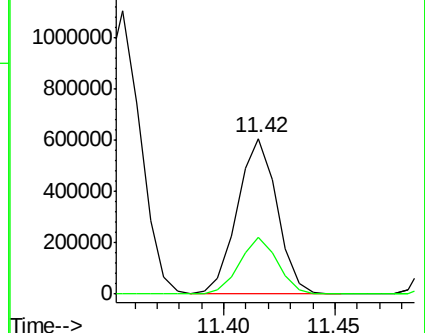
MMDadoda

1/21/2020 2:15:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VX014448.D (-1722) (-)

Ion 125.90 (125.60 to 126.60): VX014448.D (-1722) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.127 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014671.D

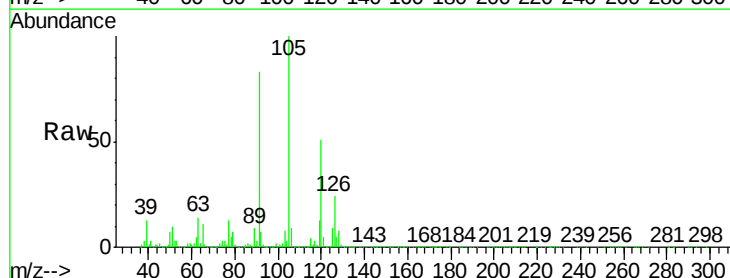
Acq: 20 Jan 2020 16:43

Tgt Ion: 105 Resp: 944412

Ion Ratio Lower Upper

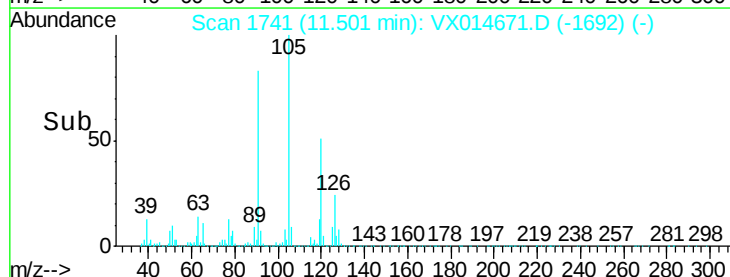
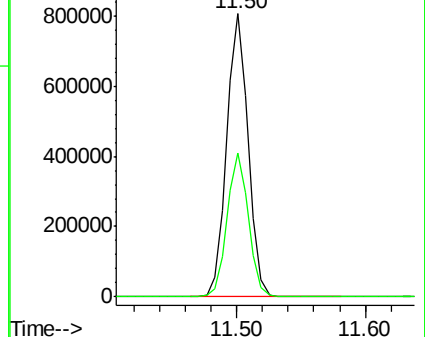
105 100

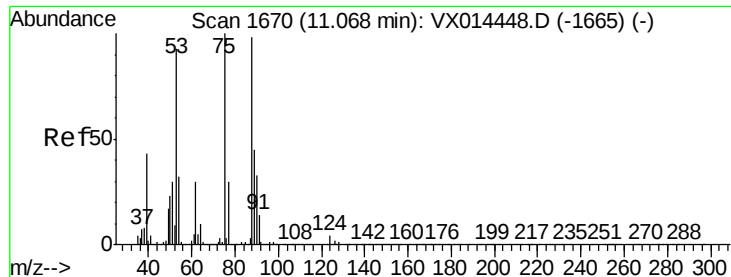
120 50.3 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX014448.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX014448.D (-1735) (-)





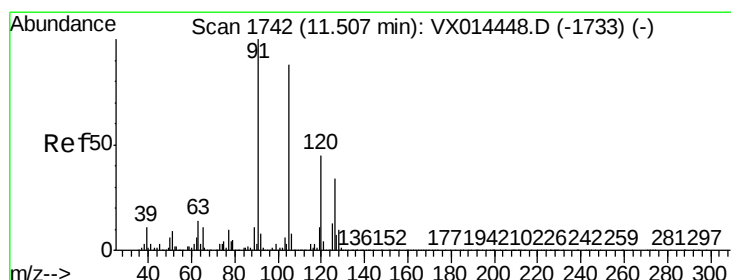
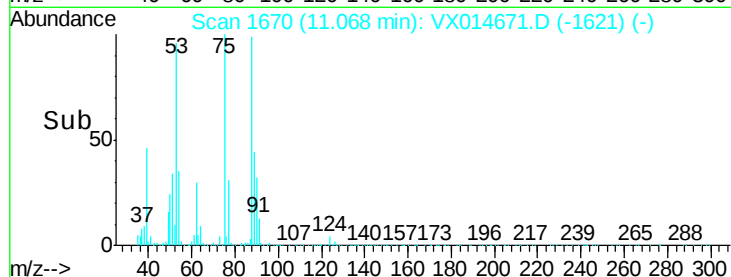
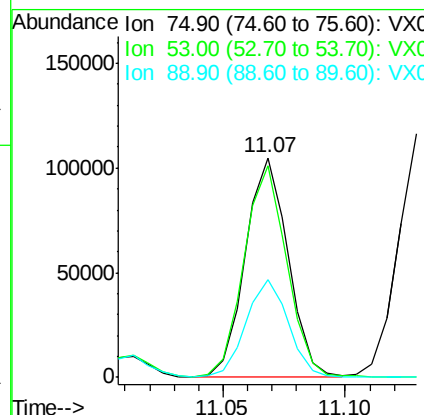
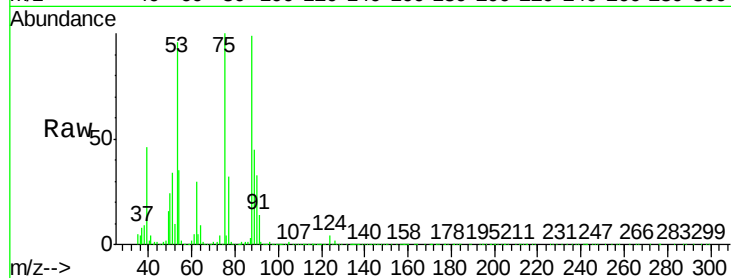
#81
trans-1,4-Dichloro-2-butene
Concen: 51.814 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	74.8	112.2
89	44.5	36.3	54.5

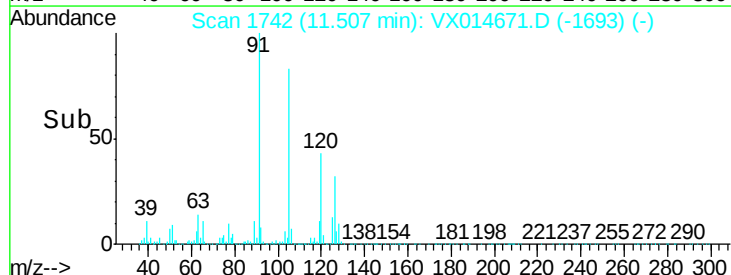
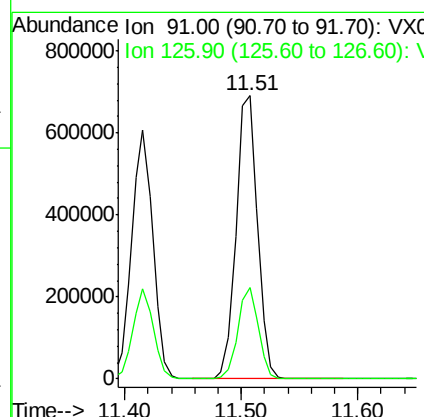
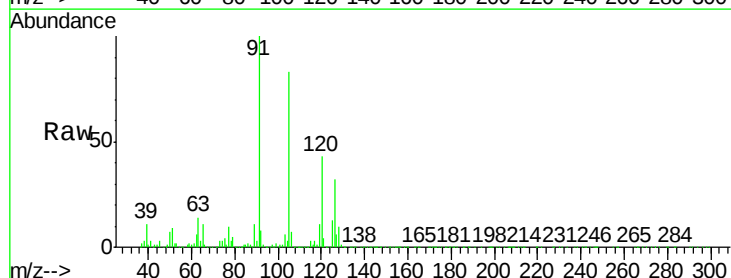
Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#82
4-Chlorotoluene
Concen: 50.696 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.9	47.7





#83

tert-Butylbenzene

Concen: 52.478 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

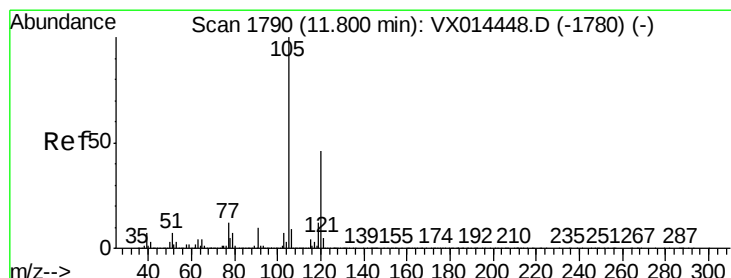
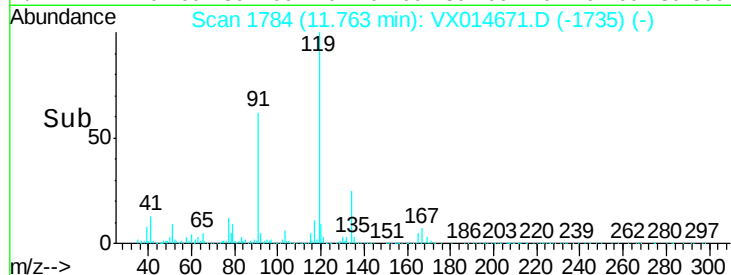
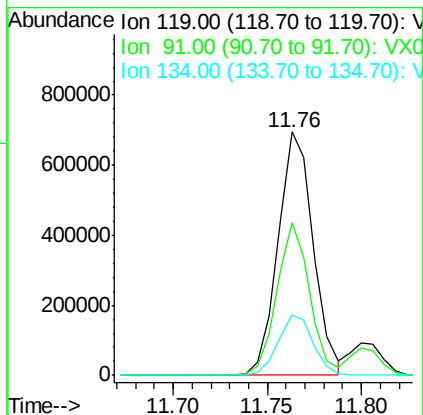
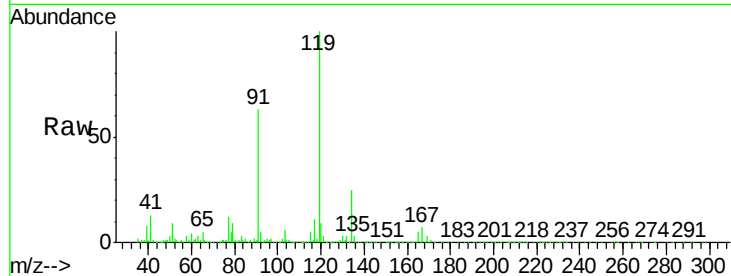
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	898342
Ion Ratio	Lower	Upper	
119	100		
91	58.3	29.3	88.0
134	24.4	12.4	37.4

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#84

1,2,4-Trimethylbenzene

Concen: 52.298 ug/l

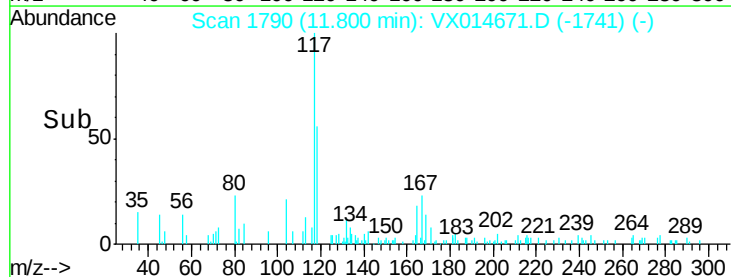
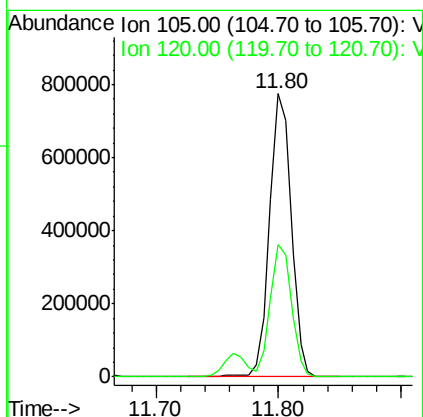
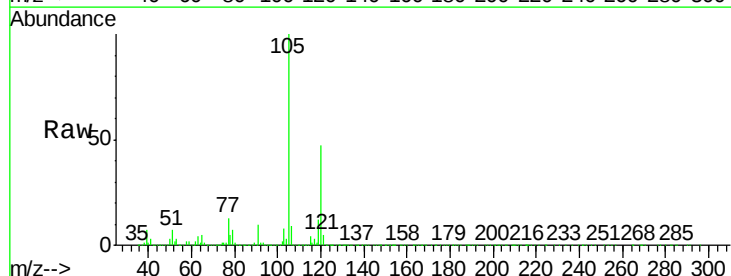
RT: 11.80 min Scan# 1790

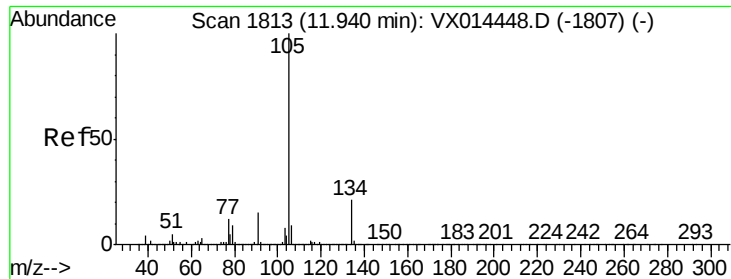
Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion:	105	Resp:	957419
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 52.421 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1115563

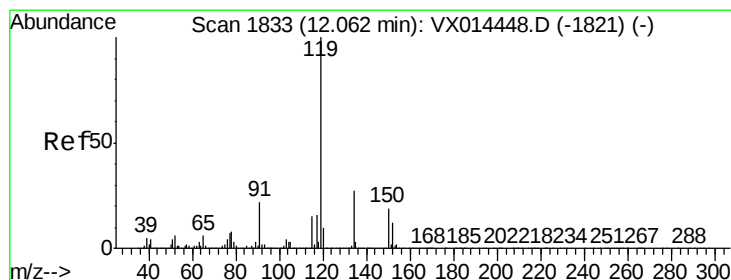
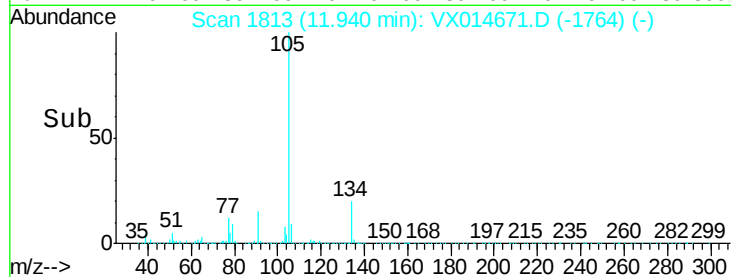
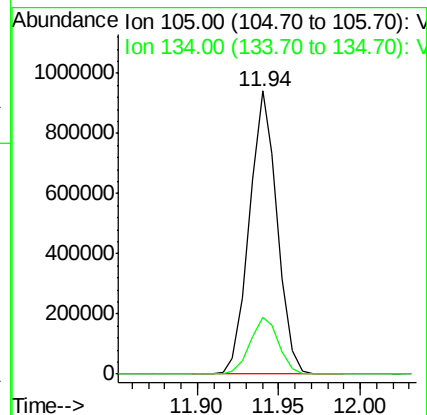
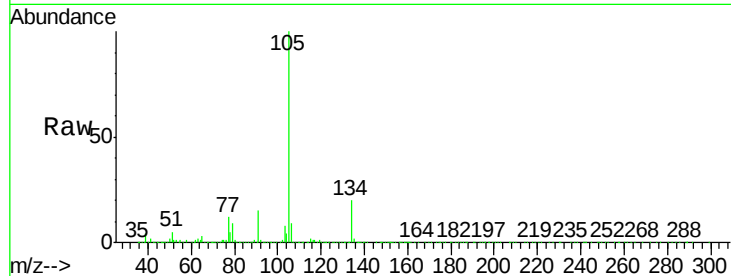
Ion Ratio Lower Upper

105 100

134 20.8 10.5 31.5

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#86

p-Isopropyltoluene

Concen: 51.842 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

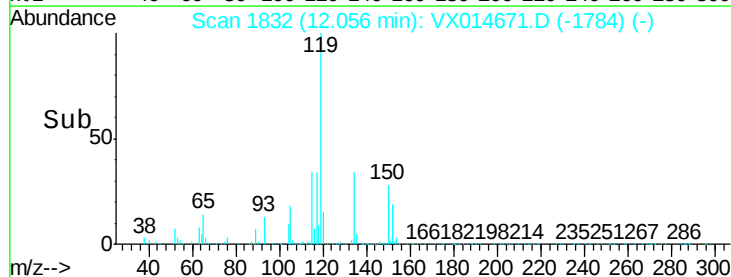
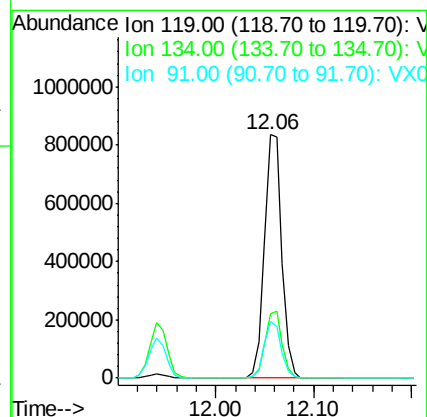
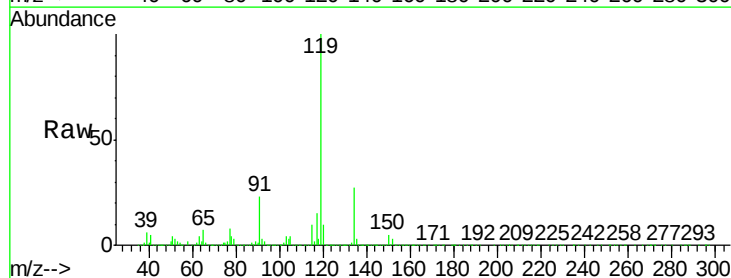
Tgt Ion:119 Resp: 1023756

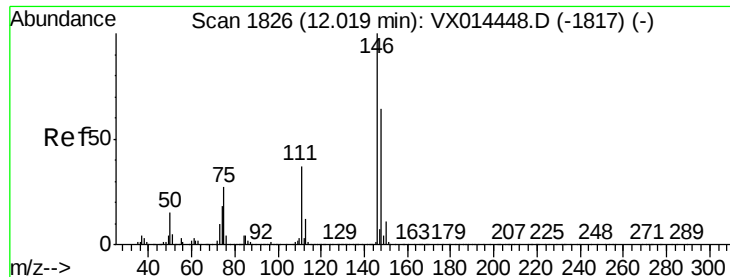
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 47.977 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

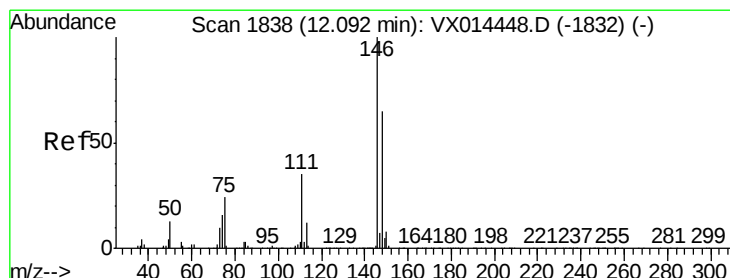
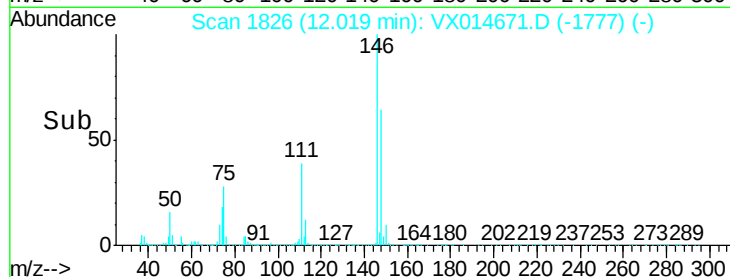
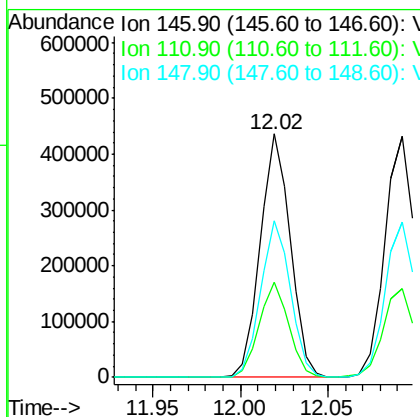
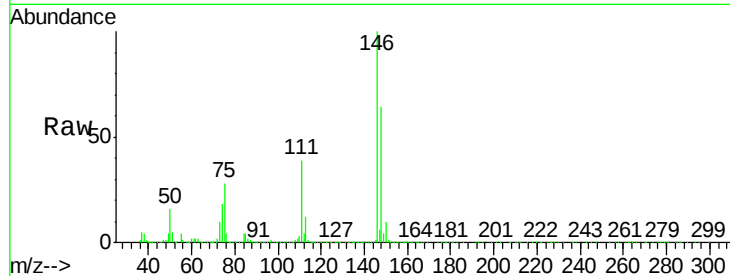
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.7
148	63.9	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#88

1,4-Dichlorobenzene

Concen: 50.994 ug/l

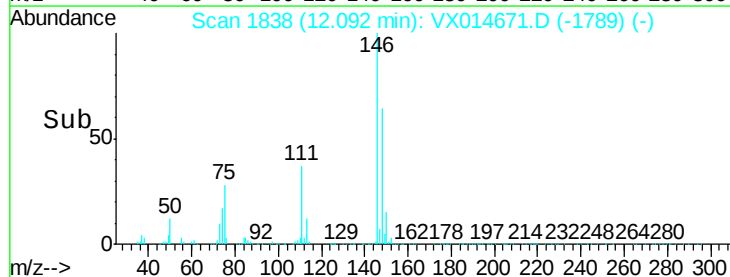
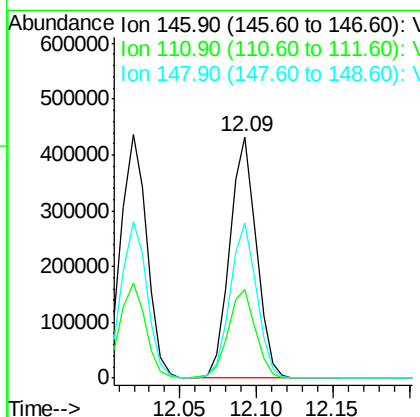
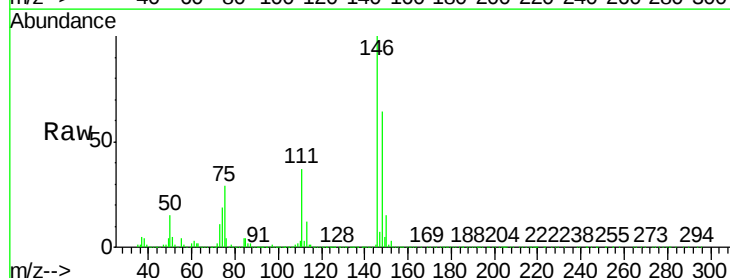
RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014671.D

Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.1
148	64.1	32.1	96.3





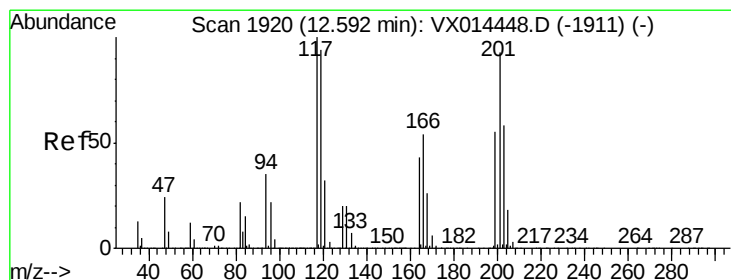
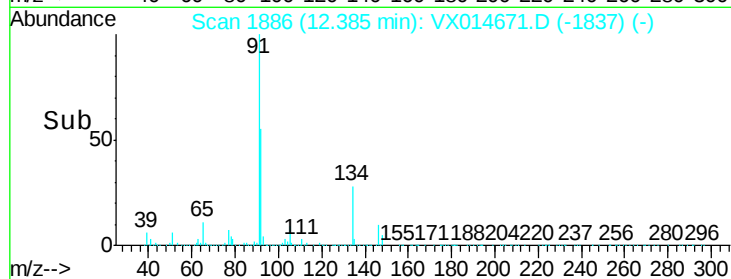
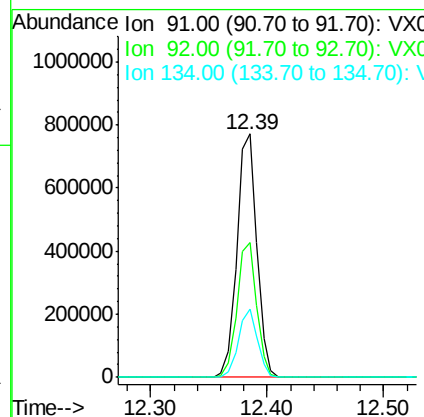
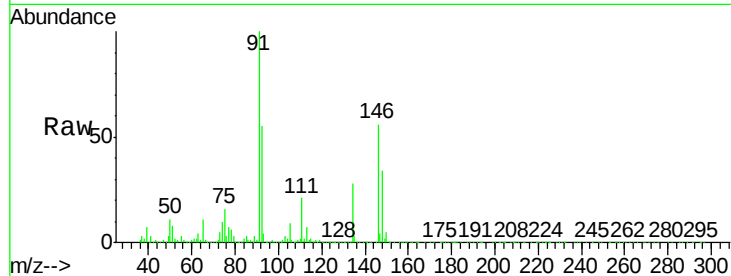
#89
n-Butylbenzene
Concen: 50.855 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	26.8	13.9	41.7

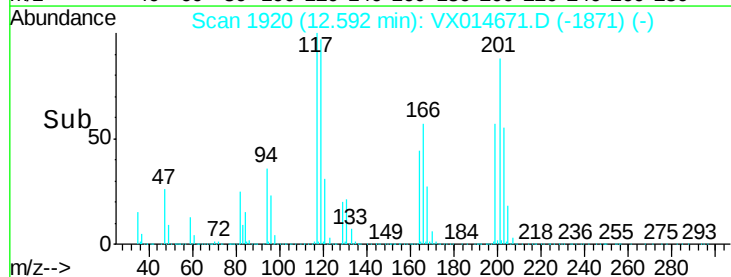
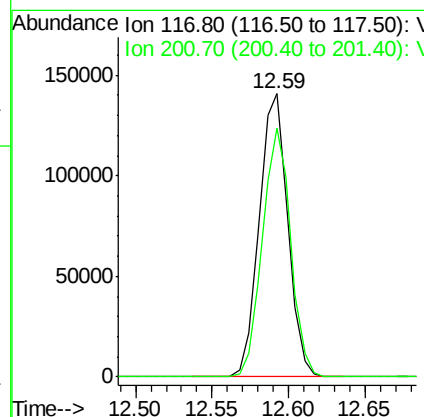
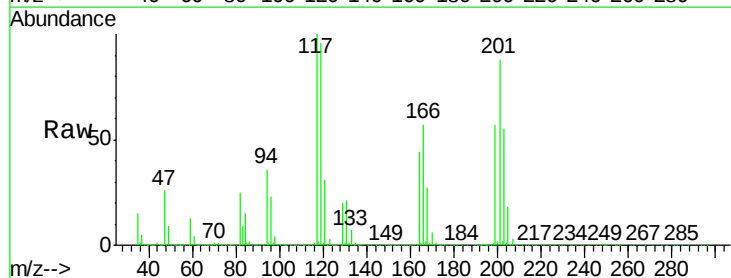
Manual Integrations
APPROVED

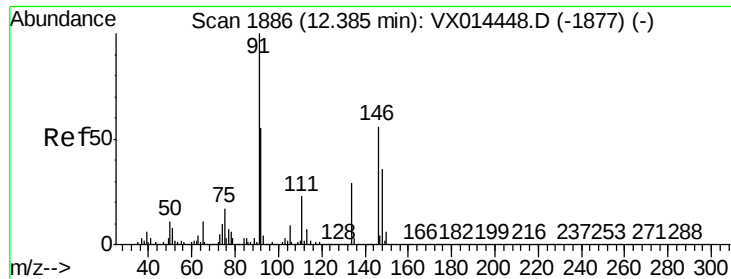
MMDadoda
1/21/2020 2:15:03 PM



#90
Hexachloroethane
Concen: 52.714 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	44.8	134.3





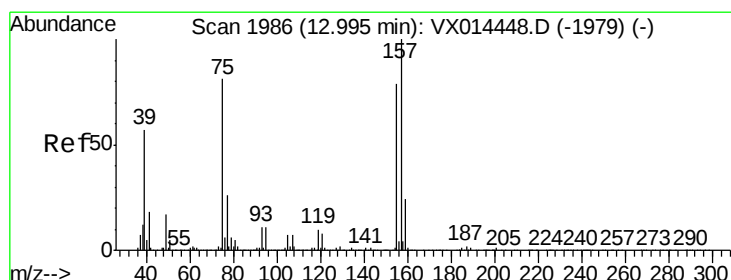
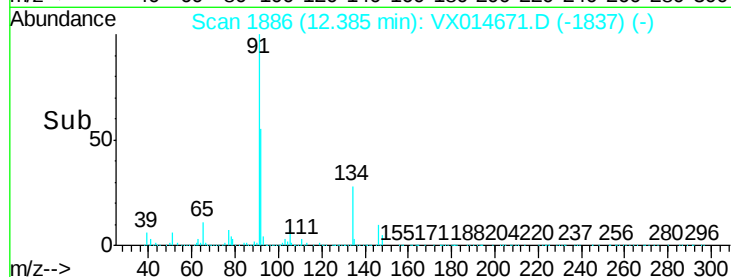
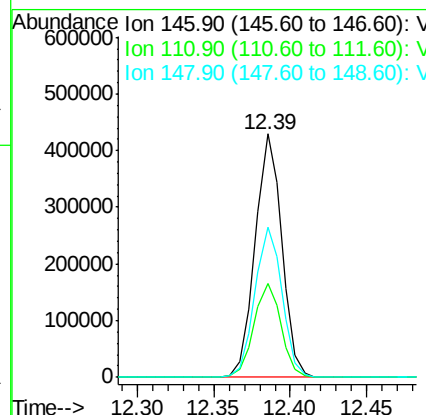
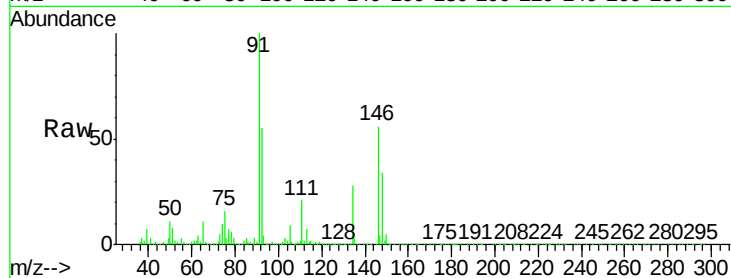
#91
 1,2-Dichlorobenzene
 Concen: 48.883 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.0	32.3	96.8

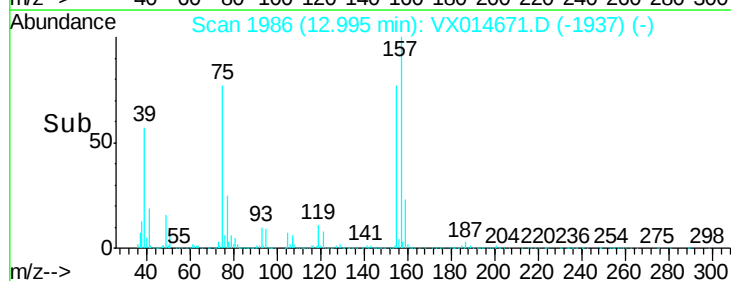
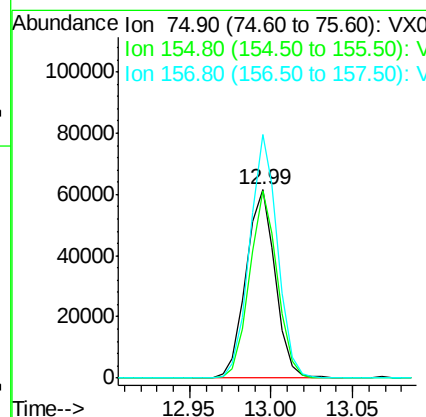
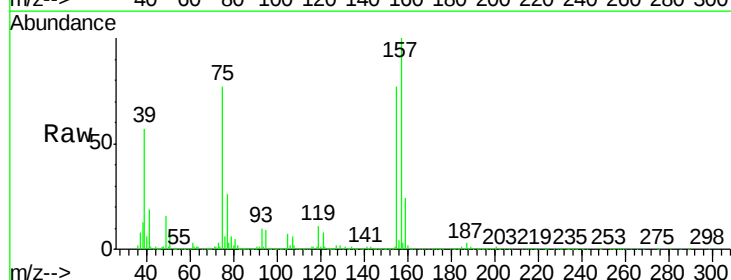
Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 2:15:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.448 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX014671.D
 Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.7	146.1
157	124.5	62.0	185.9





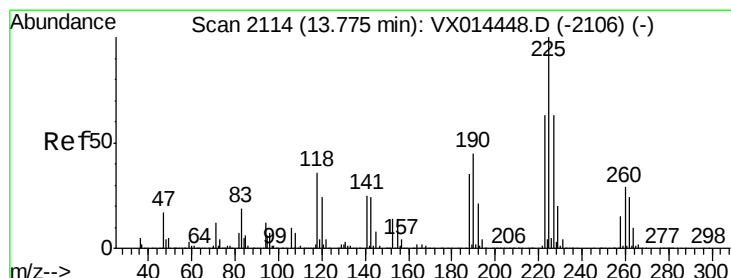
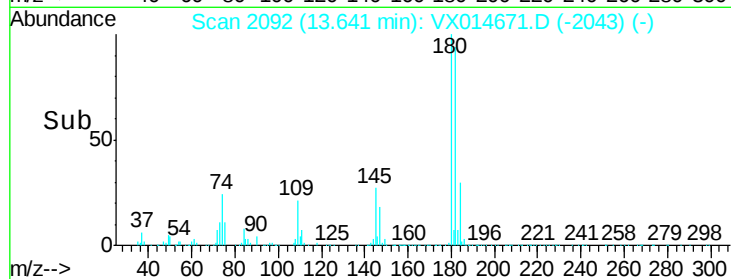
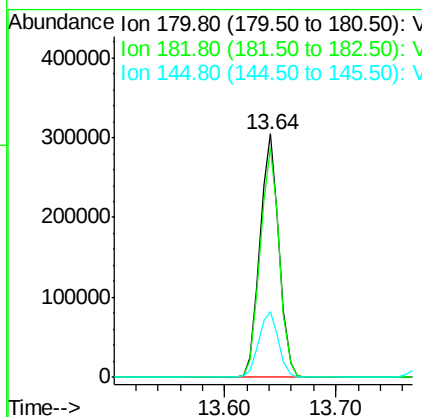
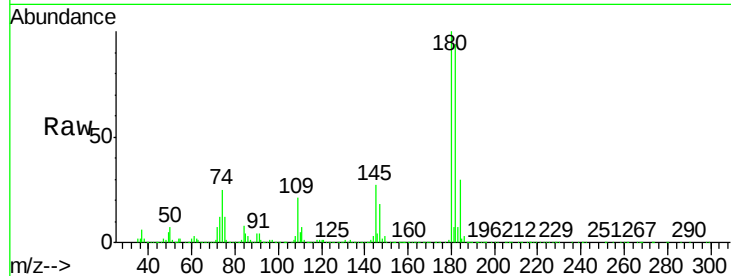
#93
1,2,4-Trichlorobenzene
Concen: 48.879 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.5
145	27.7	13.9	41.6

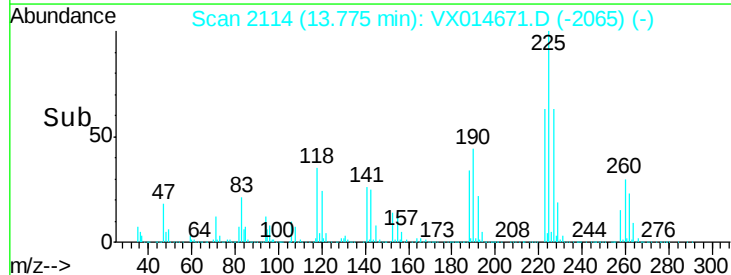
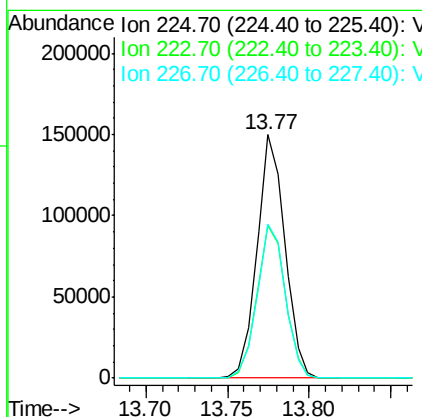
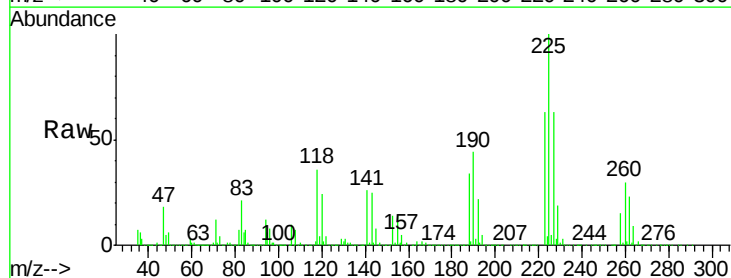
Manual Integrations
APPROVED

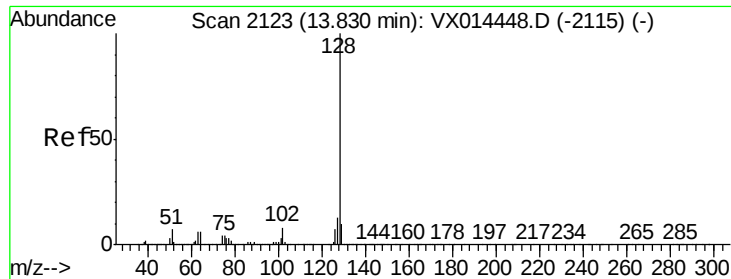
MMDadoda
1/21/2020 2:15:03 PM



#94
Hexachlorobutadiene
Concen: 51.128 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.1	93.2
227	63.8	31.4	94.2





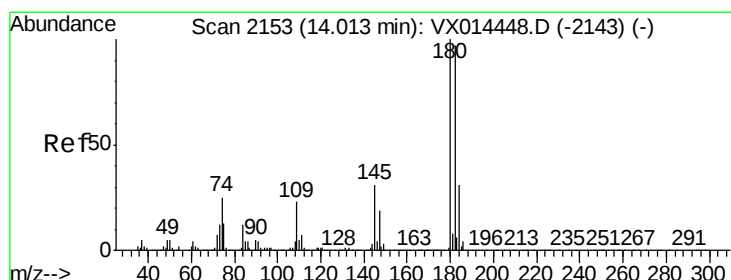
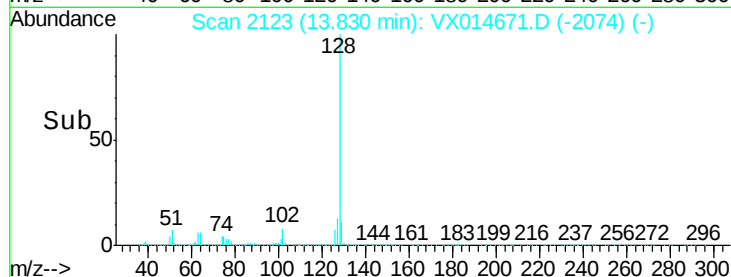
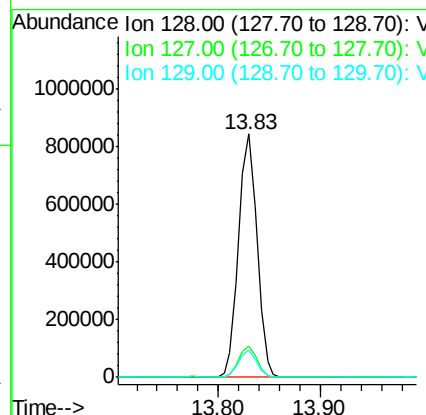
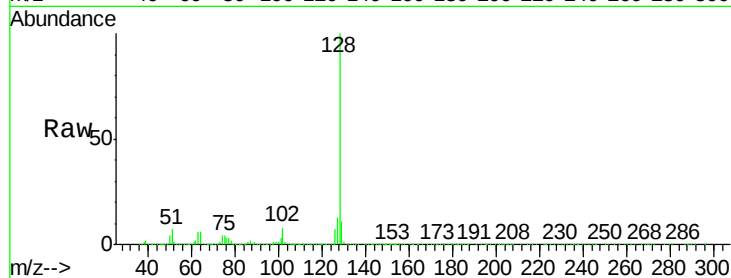
#95
Naphthalene
Concen: 45.288 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/21/2020 2:15:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.194 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014671.D
Acq: 20 Jan 2020 16:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.6
145	29.7	14.8	44.3

