

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011720\
 Data File : VX014662.D
 Acq On : 17 Jan 2020 18:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:19:29 AM

Quant Time: Jan 18 06:08:39 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	5.65	168	418296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	644148	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	588823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	299638	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	245864	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	5.48	113	204180	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	8.71	98	781339	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	279507	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	249272	48.009	ug/l	100
3) Chloromethane	1.32	50	267689	50.204	ug/l	100
4) Vinyl Chloride	1.40	62	306726	51.624	ug/l	99
5) Bromomethane	1.63	94	191983	48.746	ug/l	98
6) Chloroethane	1.72	64	167967	51.929	ug/l	96
7) Trichlorofluoromethane	1.92	101	336604	49.942	ug/l	99
8) Diethyl Ether	2.18	74	151178	49.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	201953	49.251	ug/l	99
10) Methyl Iodide	2.50	142	273810	55.766	ug/l	99
11) Tert butyl alcohol	3.03	59	269165	276.065	ug/l	100
12) 1,1-Dichloroethene	2.36	96	199644	48.325	ug/l	98
13) Acrolein	2.28	56	209752	268.399	ug/l	98
14) Allyl chloride	2.72	41	350709	48.352	ug/l	99
15) Acrylonitrile	3.13	53	649611	276.054	ug/l	99
16) Acetone	2.43	43	598855	255.872	ug/l	99
17) Carbon Disulfide	2.56	76	510625	44.297	ug/l	99
18) Methyl Acetate	2.76	43	392665	58.506	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	690648	52.077	ug/l	99
20) Methylene Chloride	2.85	84	246200	52.410	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	215017	47.673	ug/l	98
22) Diisopropyl ether	3.84	45	764359	54.530	ug/l	99
23) Vinyl Acetate	3.80	43	3006402	277.029	ug/l	99
24) 1,1-Dichloroethane	3.69	63	403488	52.915	ug/l	99
25) 2-Butanone	4.65	43	923736	264.826	ug/l	100
26) 2,2-Dichloropropane	4.57	77	316168	48.947	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	254106	50.398	ug/l	99
28) Bromochloromethane	5.00	49	162534	50.585	ug/l	96
29) Tetrahydrofuran	5.11	42	586431	284.359	ug/l	99
30) Chloroform	5.20	83	397324	53.324	ug/l	99
31) Cyclohexane	5.57	56	365825	51.255	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	331718	52.009	ug/l	99
36) 1,1-Dichloropropene	5.79	75	294008	48.535	ug/l	100
37) Ethyl Acetate	4.82	43	347436	52.803	ug/l	100
38) Carbon Tetrachloride	5.78	117	281654	50.526	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011720\
 Data File : VX014662.D
 Acq On : 17 Jan 2020 18:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:19:29 AM

Quant Time: Jan 18 06:08:39 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	7.46	83	367573	48.298	ug/l	98
40) Benzene	6.14	78	920216	51.183	ug/l	100
41) Methacrylonitrile	5.03	41	192910	54.978	ug/l	99
42) 1,2-Dichloroethane	6.18	62	317994	50.586	ug/l	99
43) Isopropyl Acetate	6.43	43	565453	53.198	ug/l	99
44) Trichloroethene	7.20	130	252576	48.885	ug/l	97
45) 1,2-Dichloropropane	7.51	63	240219	52.407	ug/l	100
46) Dibromomethane	7.65	93	156733	48.990	ug/l	98
47) Bromodichloromethane	7.89	83	307965	52.902	ug/l	99
48) Methyl methacrylate	7.76	41	280600	55.119	ug/l	99
49) 1,4-Dioxane	7.73	88	118921	1102.449	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1815730	280.328	ug/l	99
52) Toluene	8.78	92	576196	50.065	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	335259	49.467	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	375068	51.230	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	238939	51.688	ug/l	98
56) Ethyl methacrylate	9.17	69	375106	52.964	ug/l	98
57) 1,3-Dichloropropane	9.37	76	401246	51.913	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	653156	271.061	ug/l	99
59) 2-Hexanone	9.48	43	1388198	270.867	ug/l	99
60) Dibromochloromethane	9.57	129	248179	53.413	ug/l	100
61) 1,2-Dibromoethane	9.67	107	245764	50.189	ug/l	99
64) Tetrachloroethene	9.33	164	252304	42.754	ug/l	96
65) Chlorobenzene	10.14	112	618865	48.431	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	229010	50.219	ug/l	99
67) Ethyl Benzene	10.25	91	1104437	50.708	ug/l	96
68) m/p-Xylenes	10.35	106	836117	99.506	ug/l	98
69) o-Xylene	10.70	106	403150	50.286	ug/l	100
70) Styrene	10.71	104	696786	50.362	ug/l	99
71) Bromoform	10.85	173	188165	50.432	ug/l	97
73) Isopropylbenzene	11.01	105	1078958	51.279	ug/l	100
74) N-amyl acetate	10.89	43	492806	53.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	361241	53.535	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	303665m	48.982	ug/l	
77) Bromobenzene	11.25	156	278908	47.798	ug/l	100
78) n-propylbenzene	11.35	91	1230043	51.045	ug/l	99
79) 2-Chlorotoluene	11.42	91	724671	50.458	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	901865	51.626	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	118711	50.624	ug/l	95
82) 4-Chlorotoluene	11.51	91	835930	49.587	ug/l	97
83) tert-Butylbenzene	11.76	119	849508	51.467	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	908323	51.458	ug/l	99
85) sec-Butylbenzene	11.94	105	1032706	50.329	ug/l	100
86) p-Isopropyltoluene	12.06	119	963830	50.619	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	498861	47.637	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	490712	49.877	ug/l	99
89) n-Butylbenzene	12.39	91	840379	48.271	ug/l	99
90) Hexachloroethane	12.59	117	170953	51.113	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	498563	48.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	78761	51.890	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011720\
Data File : VX014662.D
Acq On : 17 Jan 2020 18:04
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

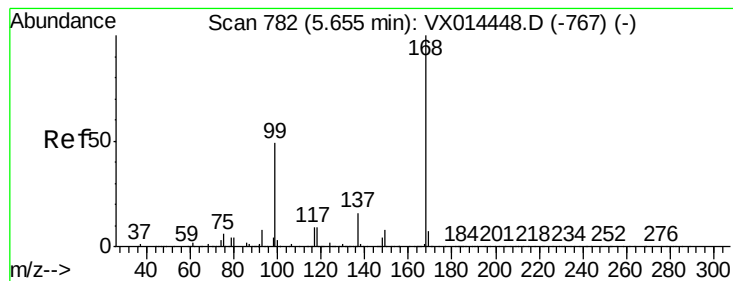
Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM

Quant Time: Jan 18 06:08:39 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	339377	47.124	ug/l	99
94) Hexachlorobutadiene	13.78	225	164317	48.723	ug/l	98
95) Naphthalene	13.83	128	1041115	46.581	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	342865	48.508	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 418296

Ion Ratio Lower Upper

168 100

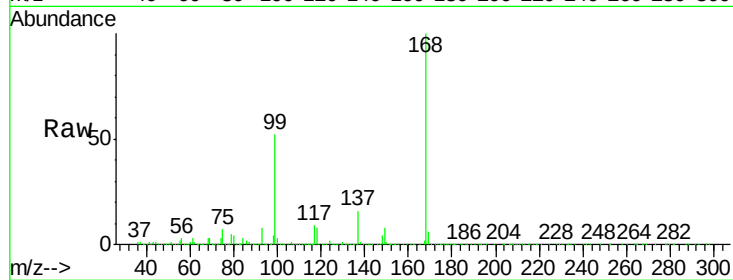
99 51.4 39.2 58.8

Manual Integrations

APPROVED

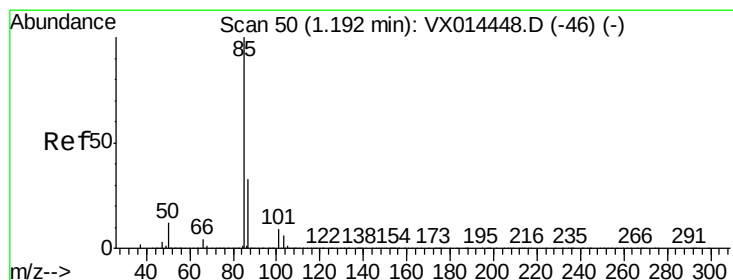
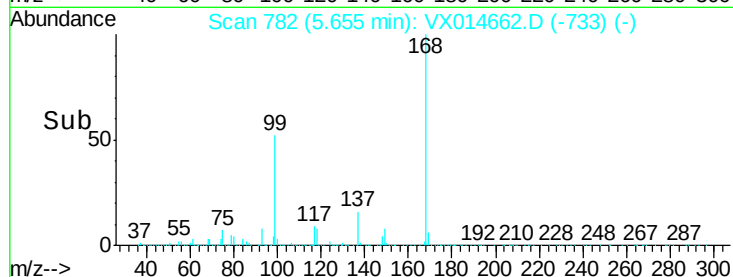
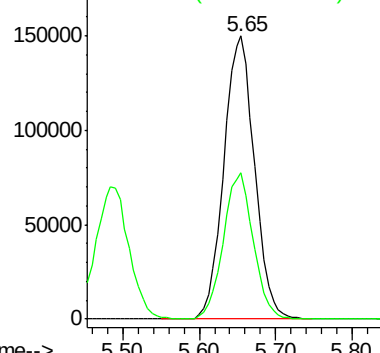
MMDadoda

1/20/2020 11:19:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.009 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014662.D

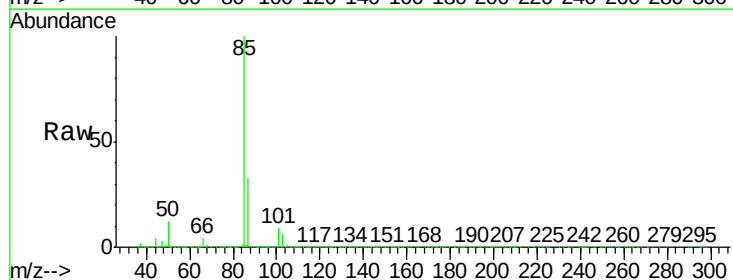
Acq: 17 Jan 2020 18:04

Tgt Ion: 85 Resp: 249272

Ion Ratio Lower Upper

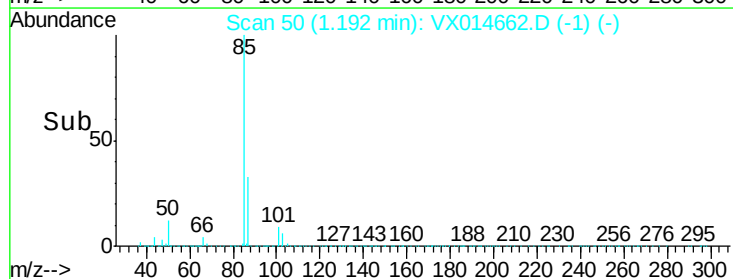
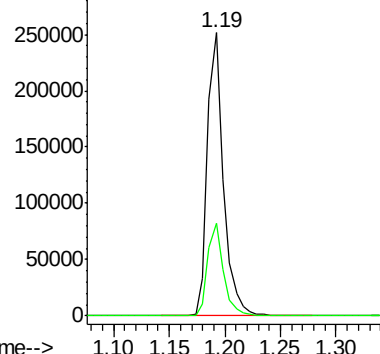
85 100

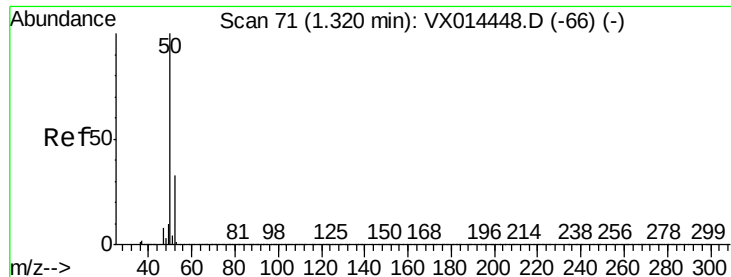
87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 50.204 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 267689

Ion Ratio Lower Upper

50 100

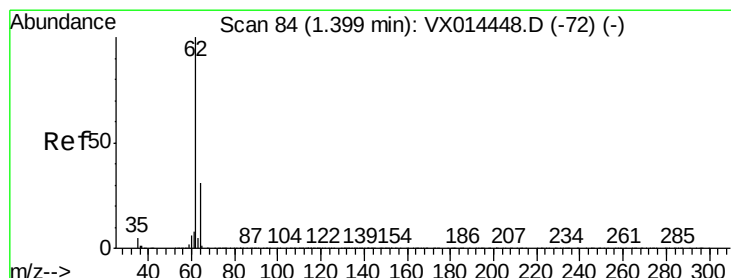
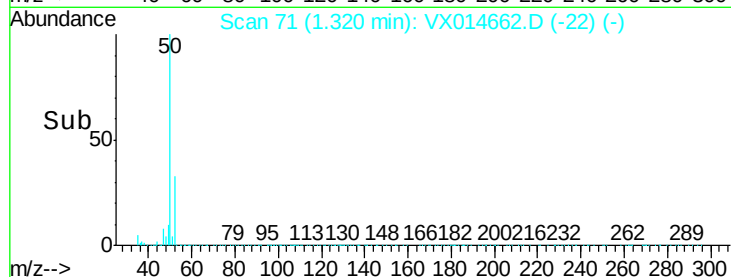
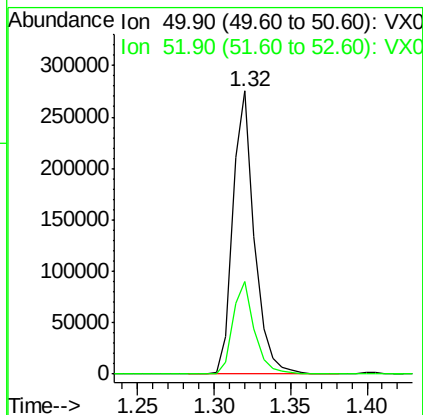
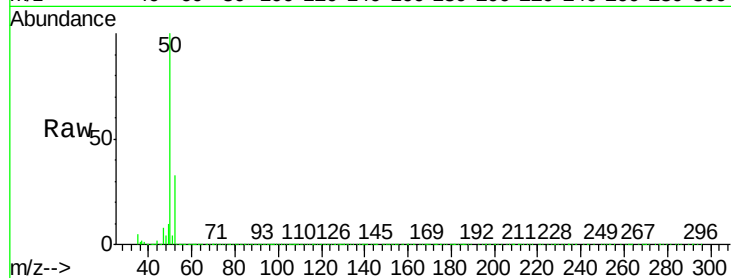
52 32.6 26.1 39.1

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#4

Vinyl Chloride

Concen: 51.624 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014662.D

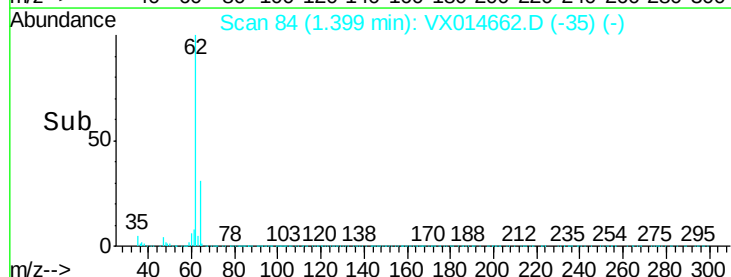
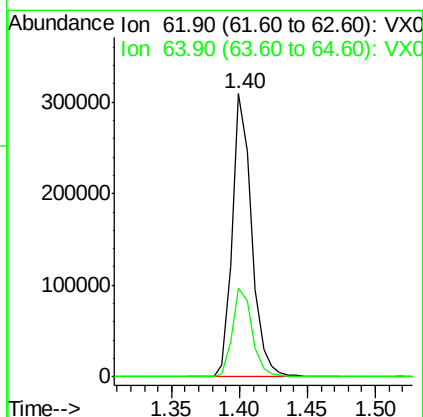
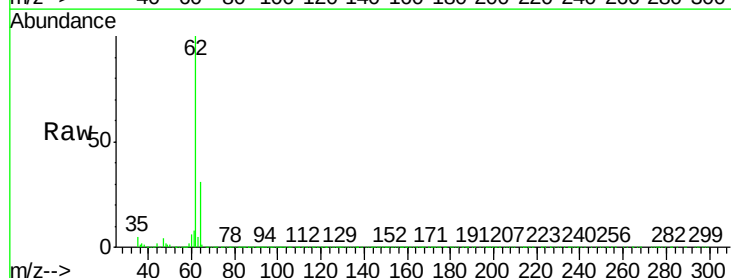
Acq: 17 Jan 2020 18:04

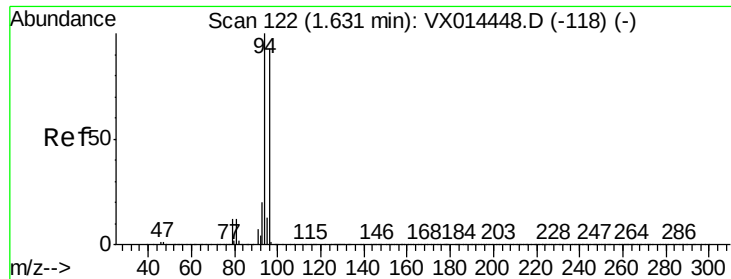
Tgt Ion: 62 Resp: 306726

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0





#5

Bromomethane

Concen: 48.746 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 191983

Ion Ratio Lower Upper

94 100

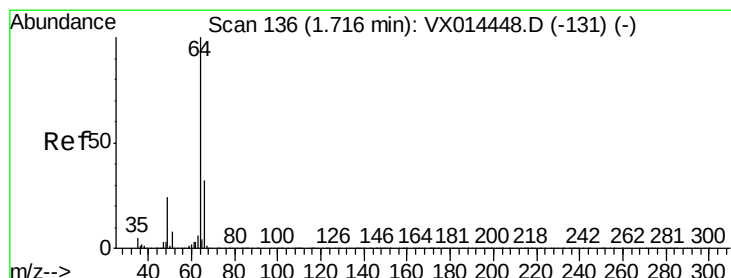
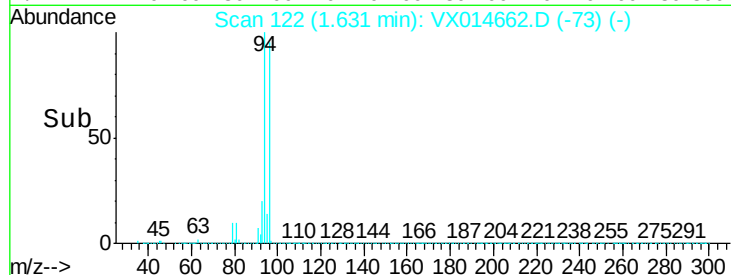
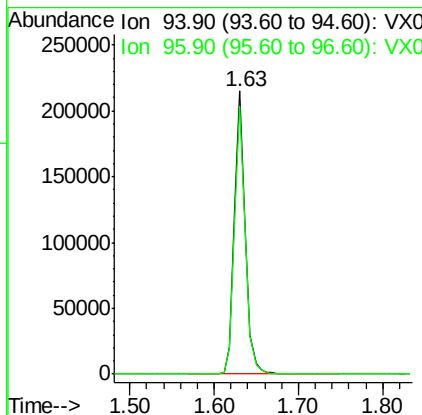
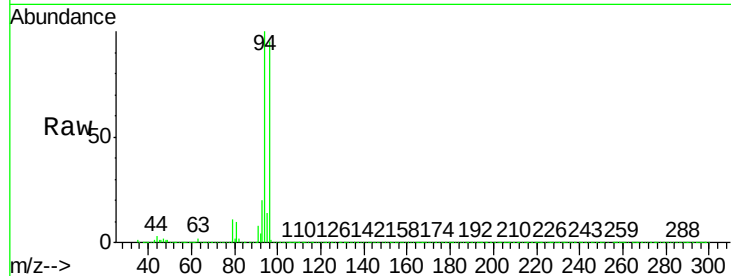
96 94.6 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#6

Chloroethane

Concen: 51.929 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014662.D

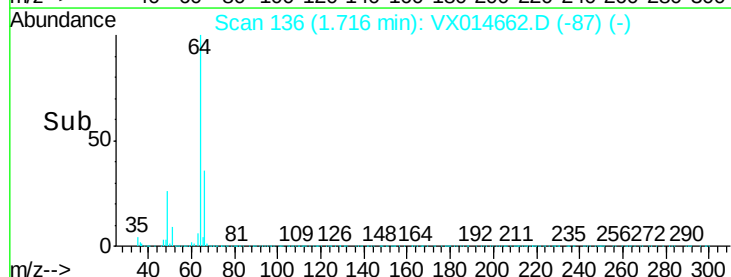
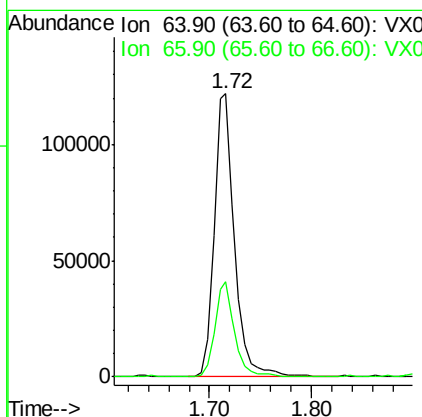
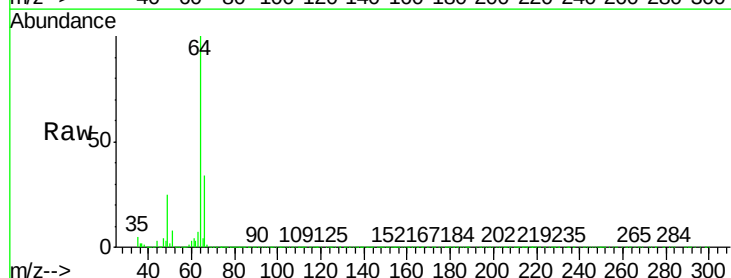
Acq: 17 Jan 2020 18:04

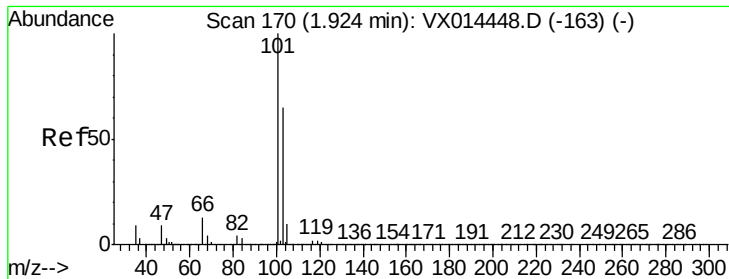
Tgt Ion: 64 Resp: 167967

Ion Ratio Lower Upper

64 100

66 33.6 25.3 37.9





#7

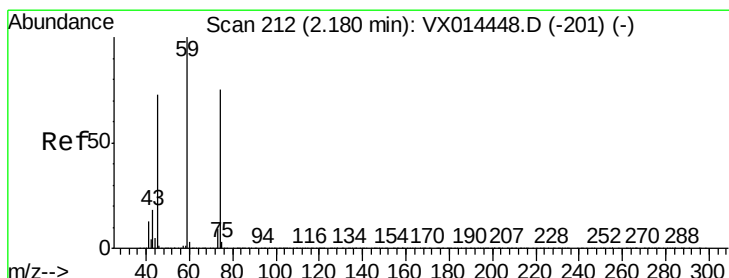
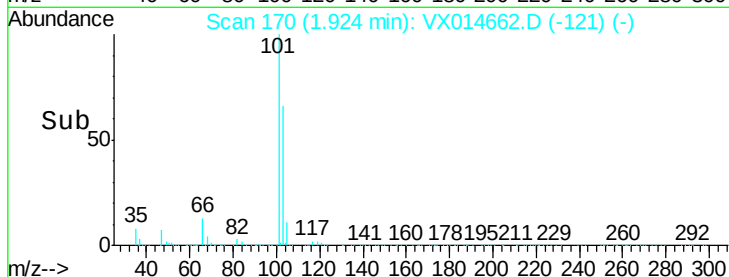
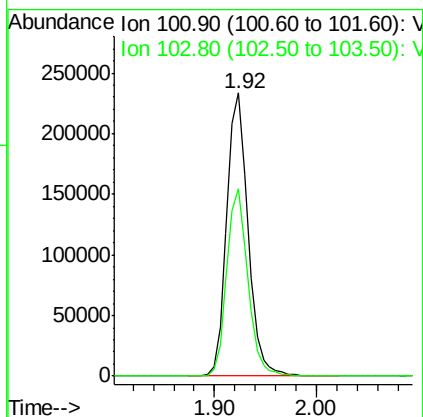
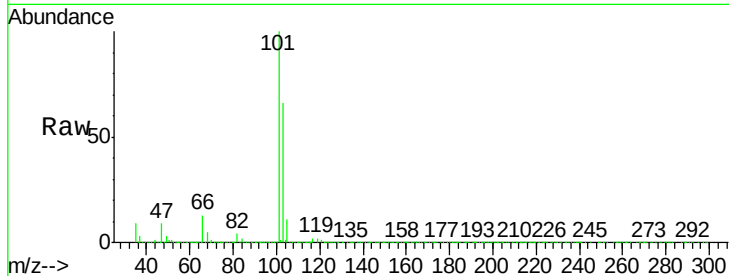
Trichlorofluoromethane
Concen: 49.942 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.2	78.4

Manual Integrations
APPROVED

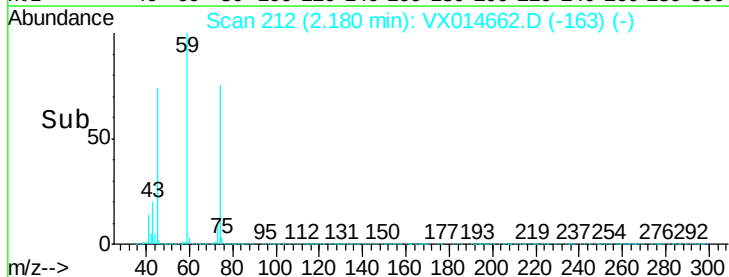
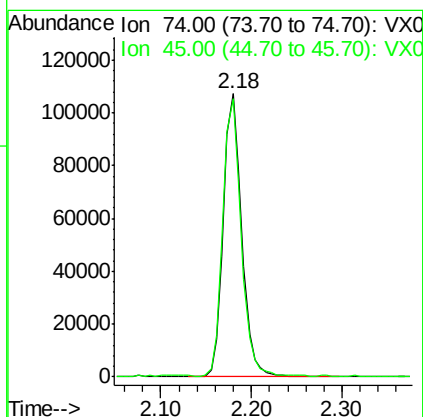
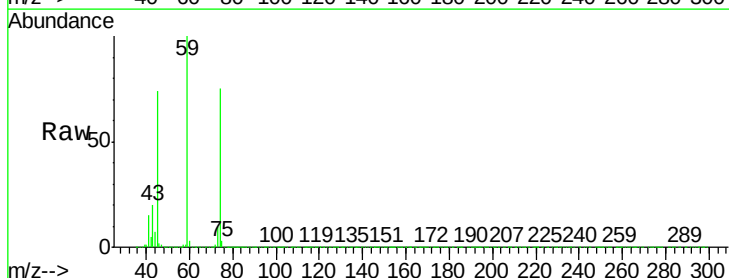
MMDadoda
1/20/2020 11:19:29 AM

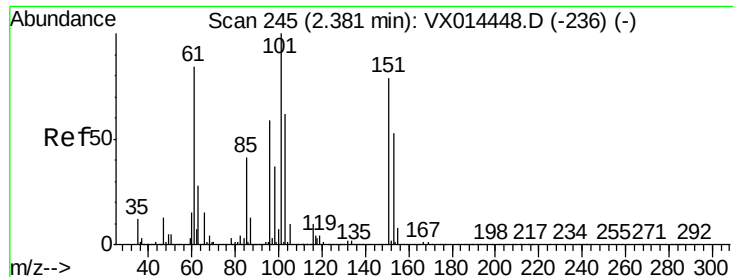


#8

Diethyl Ether
Concen: 49.166 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	48.7	146.1





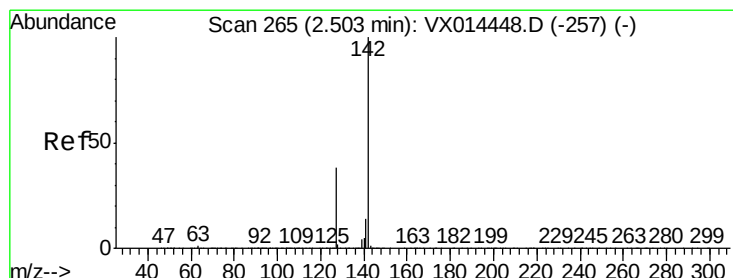
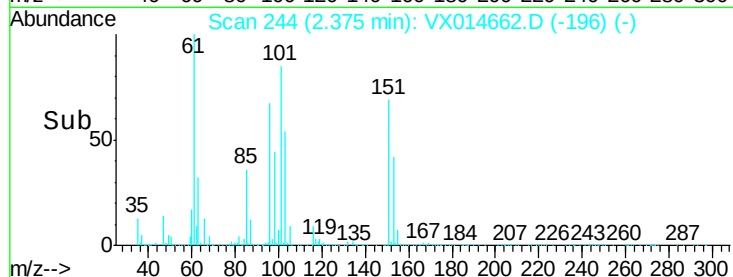
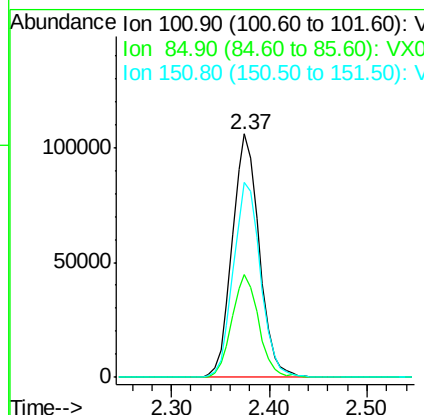
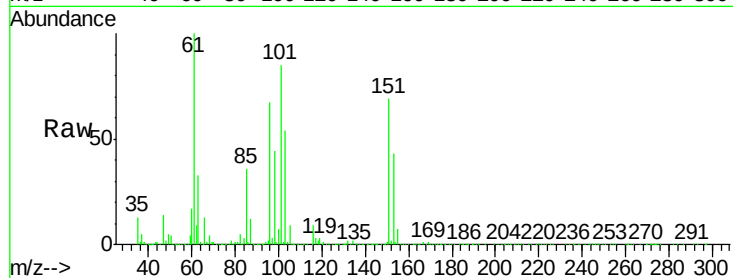
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.251 ug/l
RT: 2.37 min Scan# 244
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	41.9	33.8	50.8
151	81.2	65.3	97.9

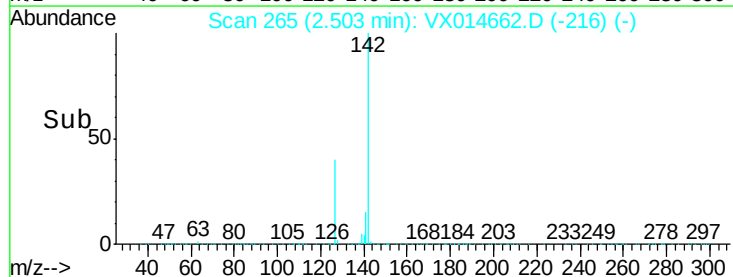
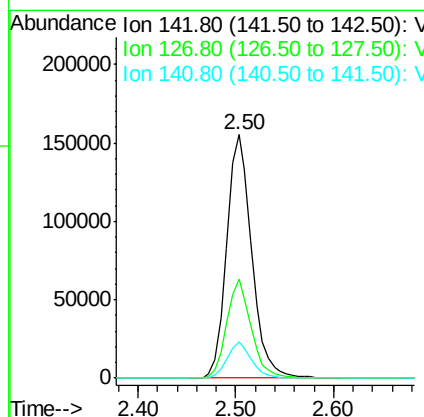
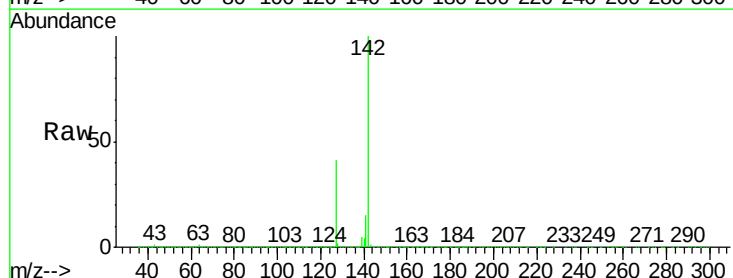
Manual Integrations
APPROVED

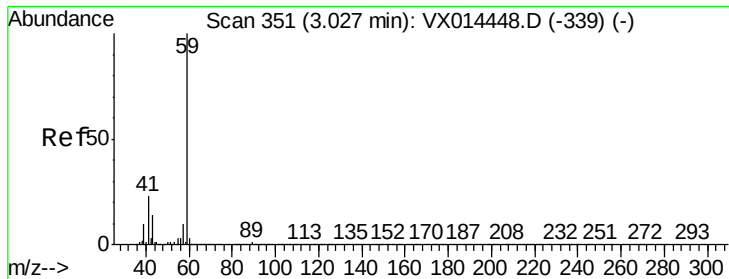
MMDadoda
1/20/2020 11:19:29 AM



#10
Methyl Iodide
Concen: 55.766 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
127	39.6	31.2	46.8
141	14.6	11.4	17.2





#11

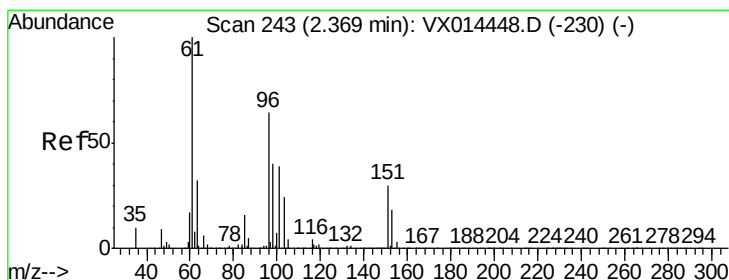
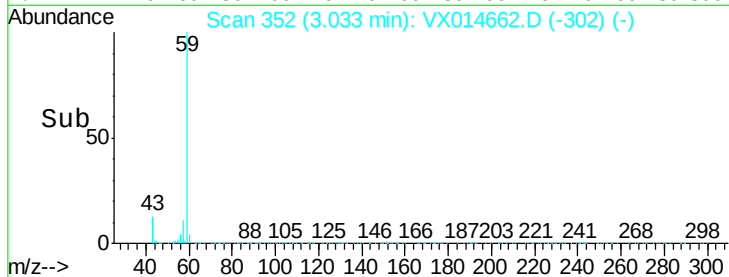
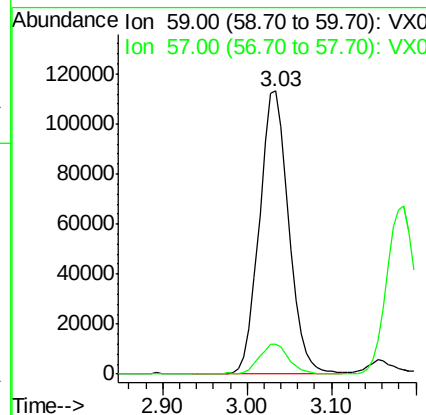
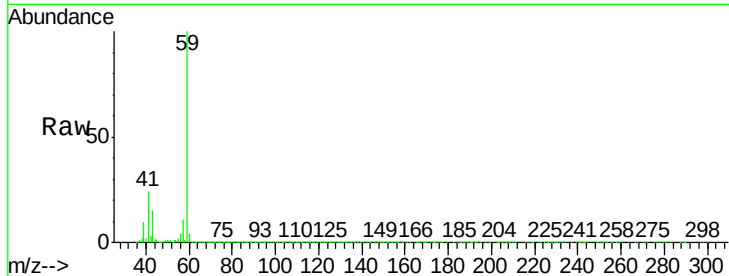
Tert butyl alcohol
Concen: 276.065 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
APPROVED

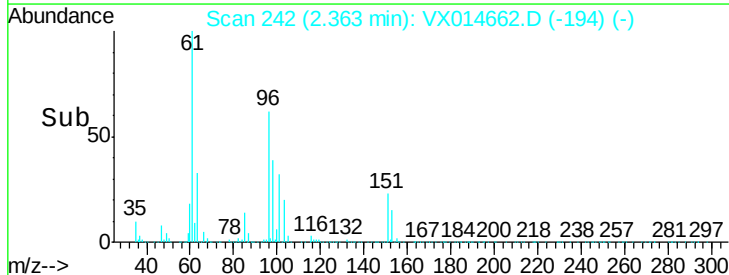
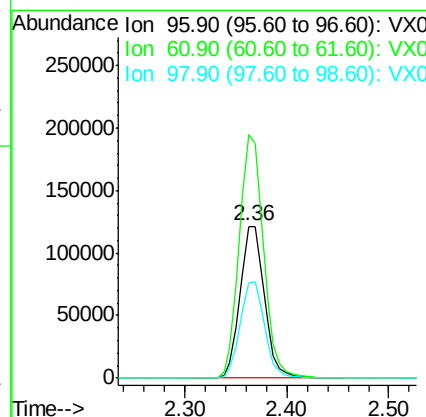
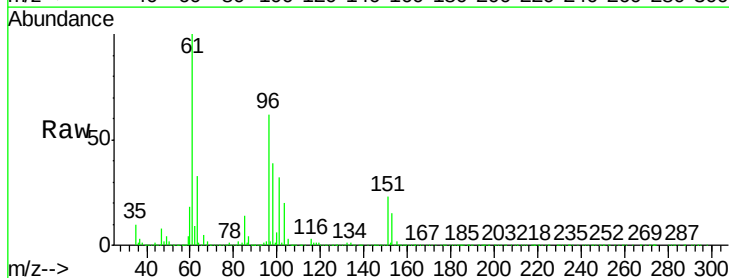
MMDadoda
1/20/2020 11:19:29 AM

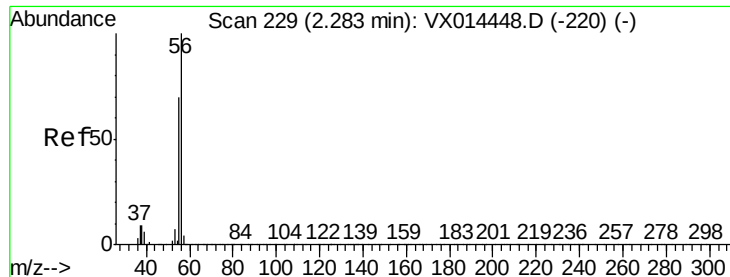


#12

1,1-Dichloroethene
Concen: 48.325 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	125.0	187.6
98	62.5	50.2	75.2





#13

Acrolein

Concen: 268.399 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 209752

Ion Ratio Lower Upper

56 100

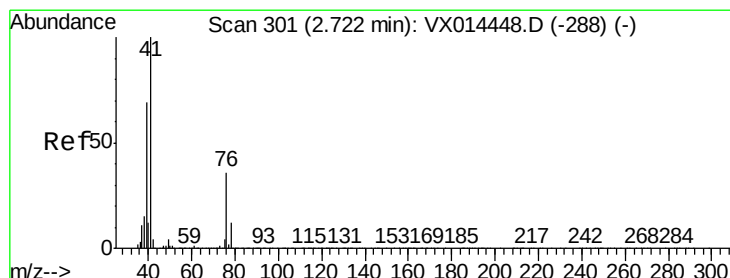
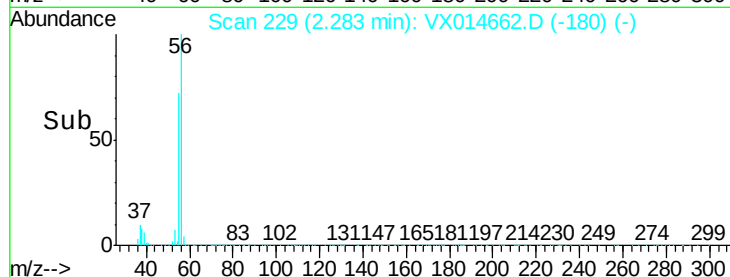
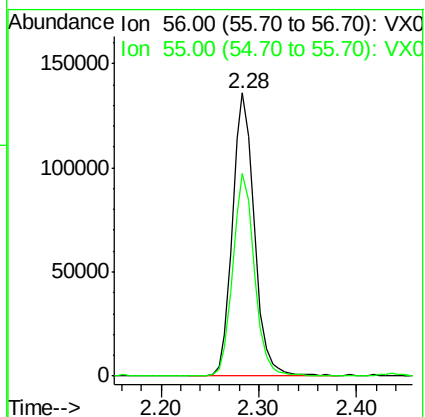
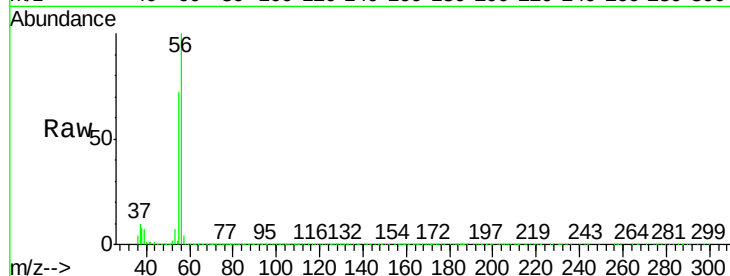
55 70.3 55.0 82.6

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#14

Allyl chloride

Concen: 48.352 ug/l

RT: 2.72 min Scan# 300

Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

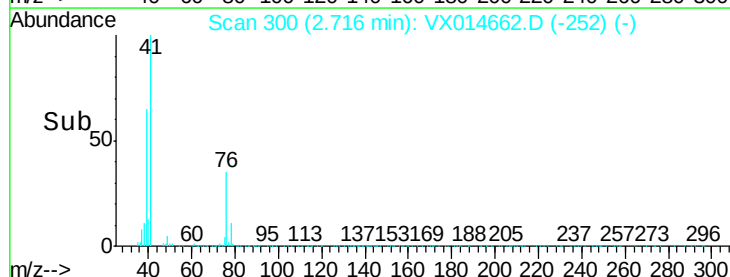
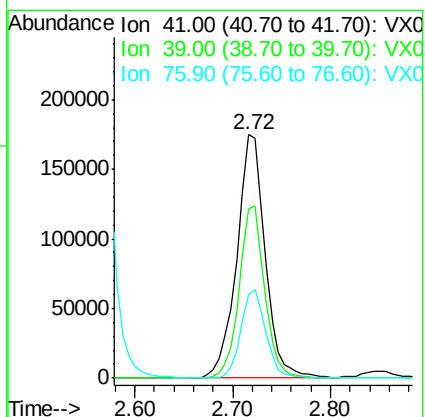
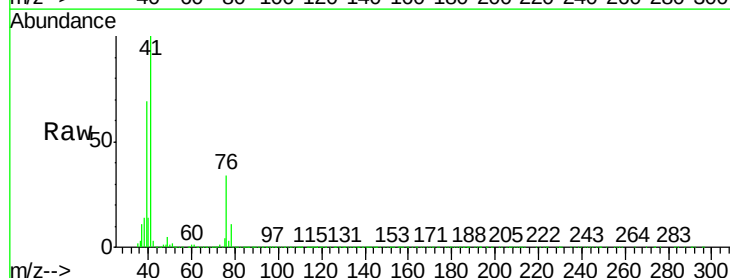
Tgt Ion: 41 Resp: 350709

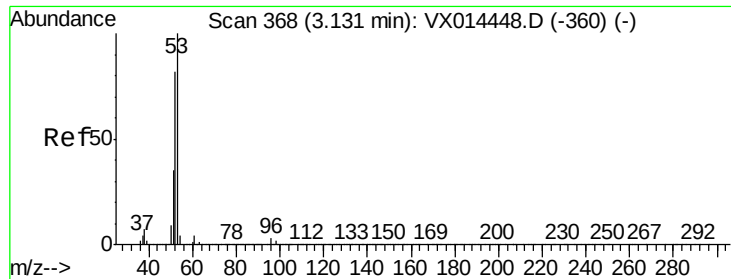
Ion Ratio Lower Upper

41 100

39 64.3 51.7 77.5

76 31.9 26.8 40.2





#15

Acrylonitrile

Concen: 276.054 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

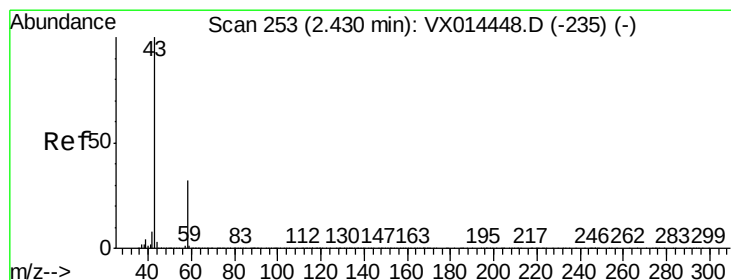
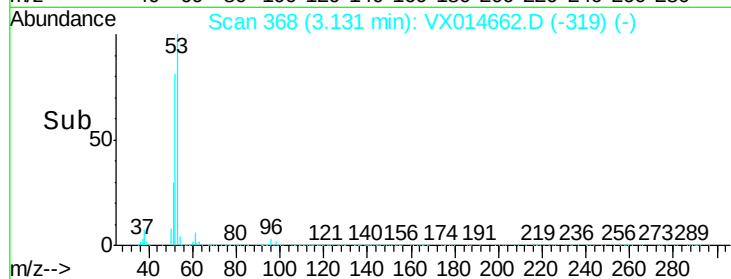
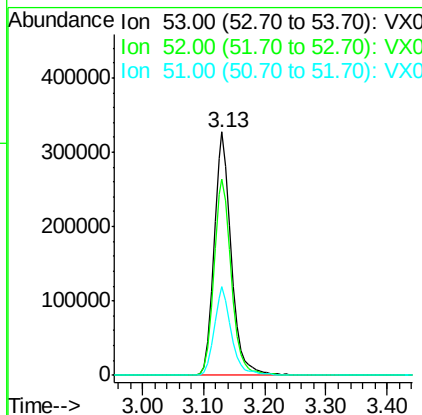
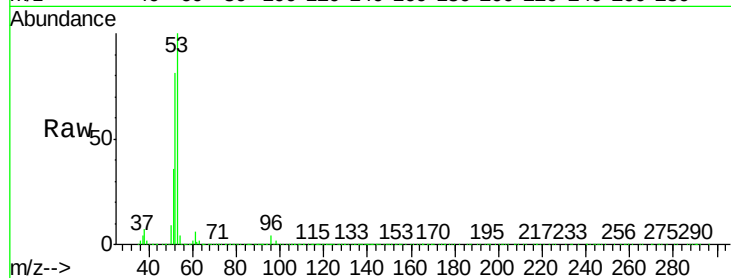
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	649611
Ion Ratio		Lower	Upper
53	100		
52	82.4	67.0	100.4
51	36.1	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#16

Acetone

Concen: 255.872 ug/l

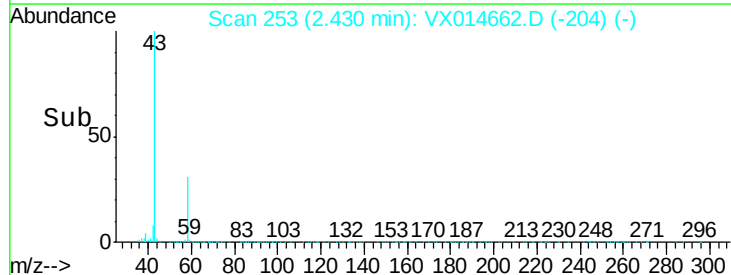
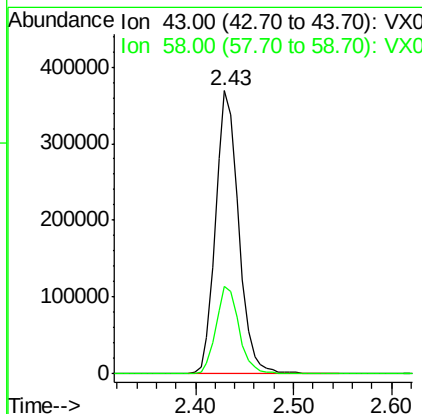
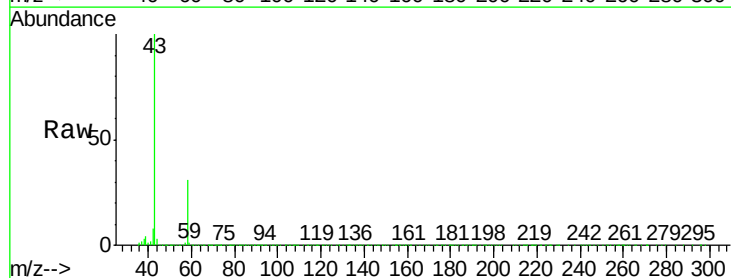
RT: 2.43 min Scan# 253

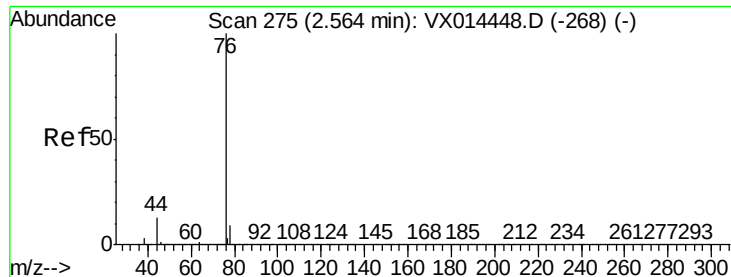
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	43	Resp:	598855
Ion Ratio		Lower	Upper
43	100		
58	30.9	25.4	38.0





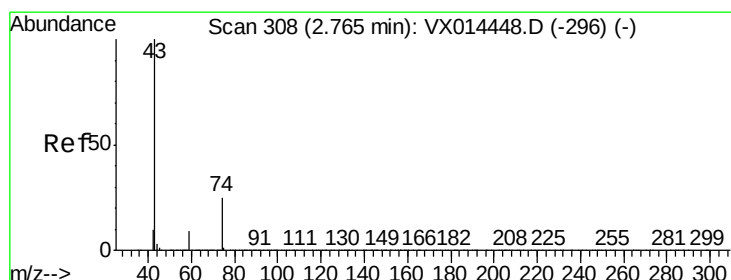
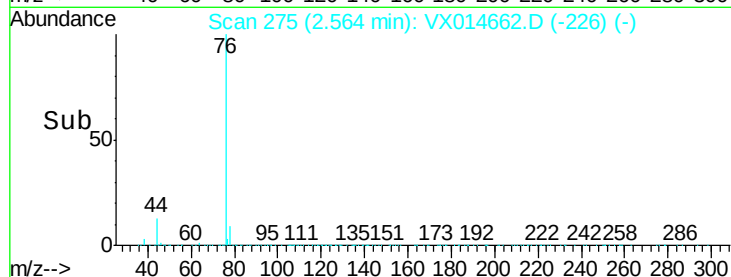
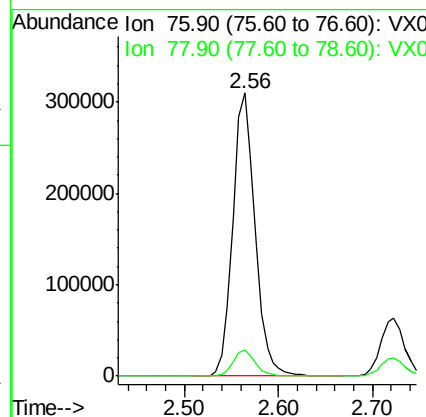
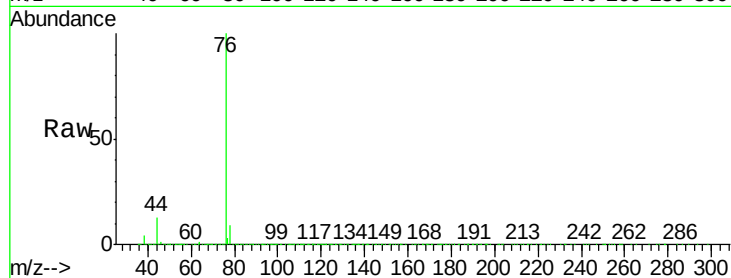
#17
Carbon Disulfide
Concen: 44.297 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

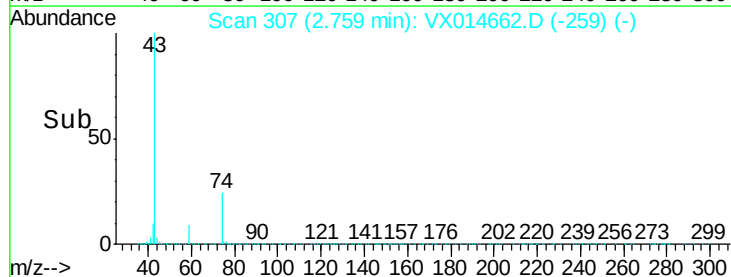
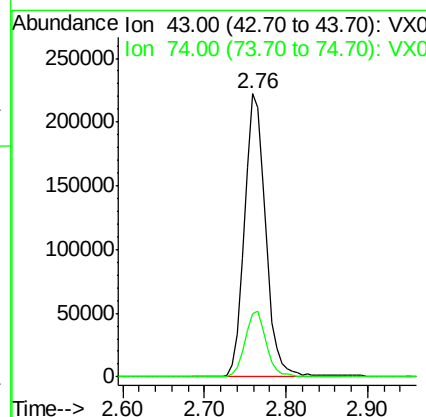
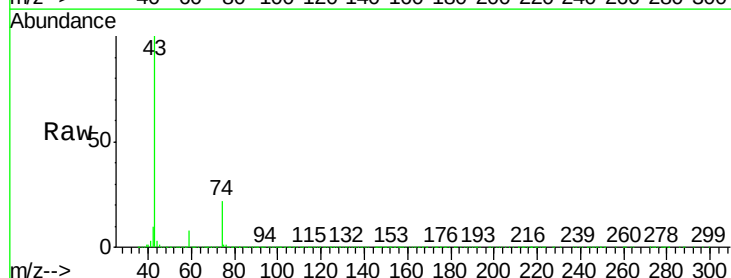
Manual Integrations
APPROVED

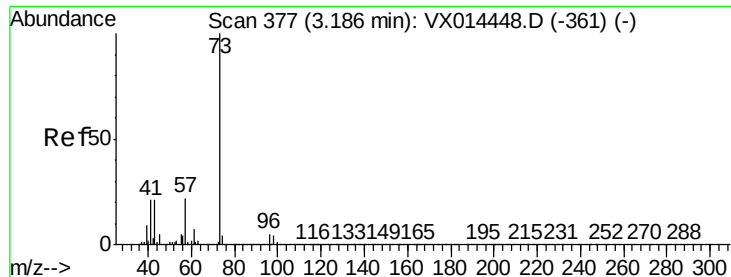
MMDadoda
1/20/2020 11:19:29 AM



#18
Methyl Acetate
Concen: 58.506 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.4	29.2





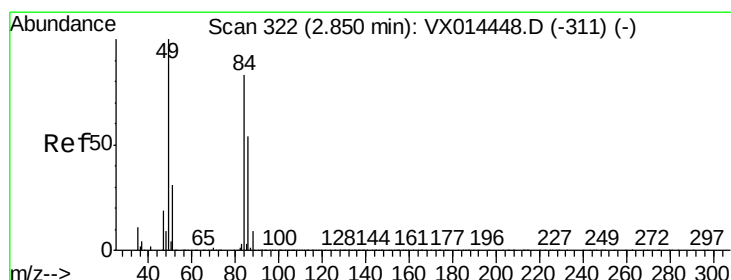
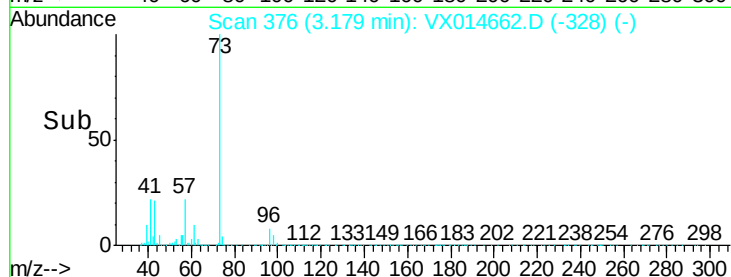
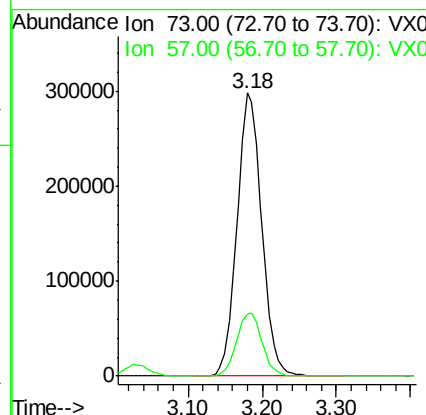
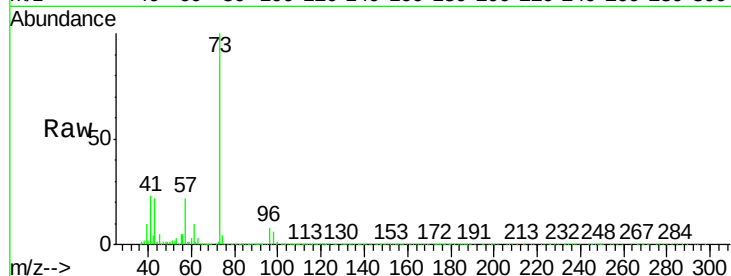
#19
Methyl tert-butyl Ether
Concen: 52.077 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8

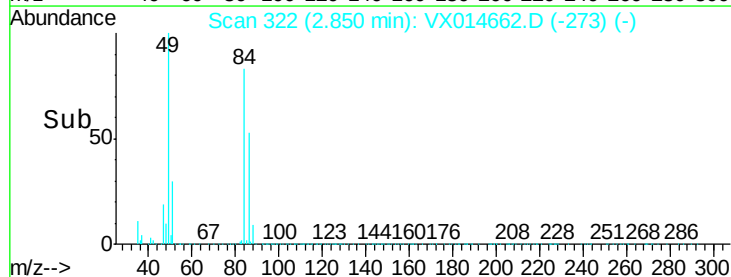
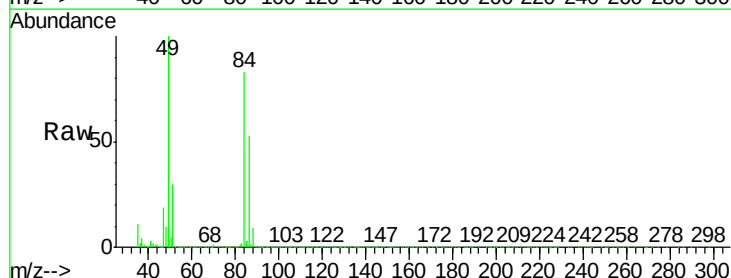
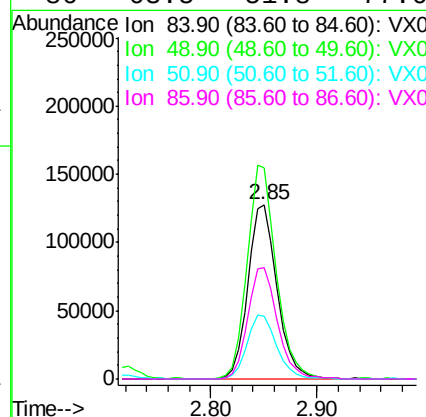
Manual Integrations
APPROVED

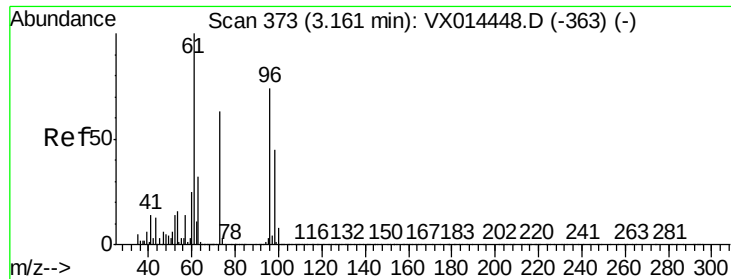
MMDadoda
1/20/2020 11:19:29 AM



#20
Methylene Chloride
Concen: 52.410 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	95.8	143.8
51	36.1	30.2	45.4
86	63.5	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 47.673 ug/l

RT: 3.16 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

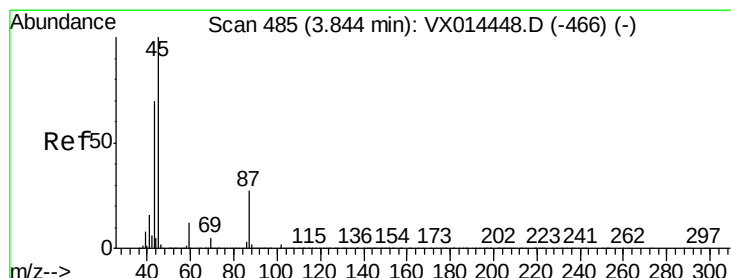
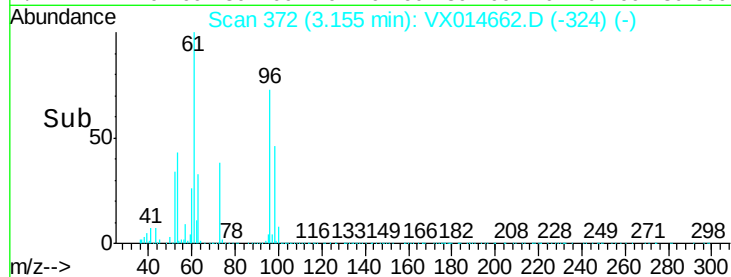
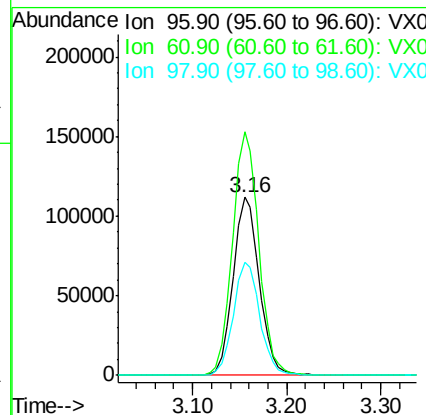
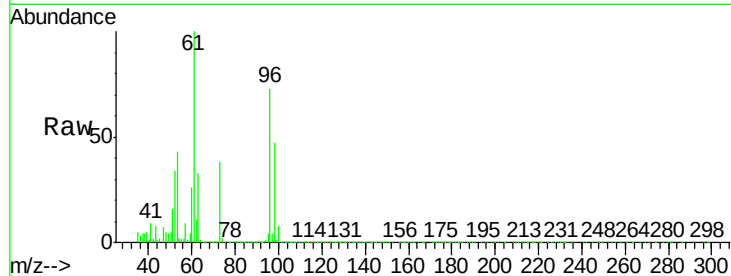
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	215017
Ion Ratio	Lower	Upper	
96	100		
61	136.8	108.2	162.4
98	63.5	48.8	73.2

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#22

Diisopropyl ether

Concen: 54.530 ug/l

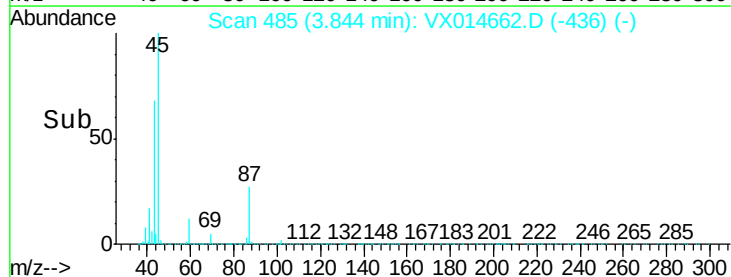
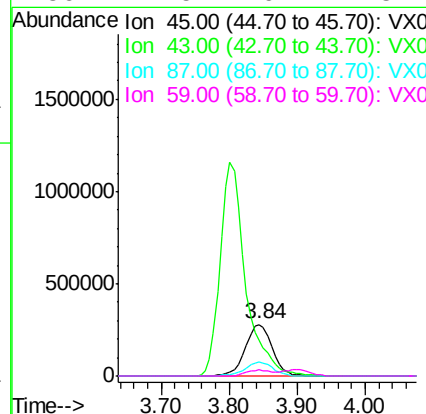
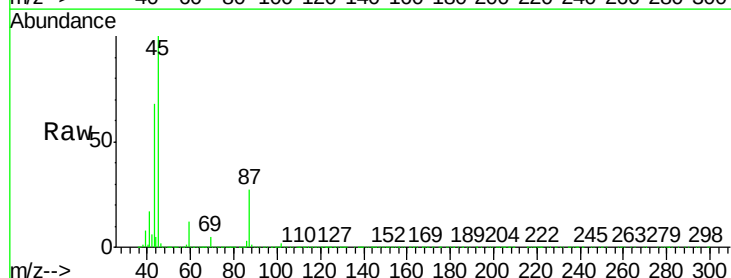
RT: 3.84 min Scan# 485

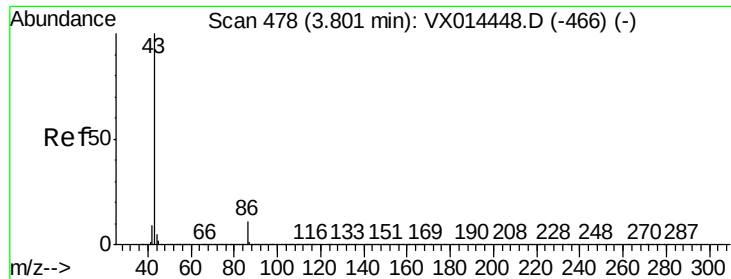
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	45	Resp:	764359
Ion Ratio	Lower	Upper	
45	100		
43	68.2	55.8	83.6
87	27.0	21.8	32.8
59	11.5	9.1	13.7





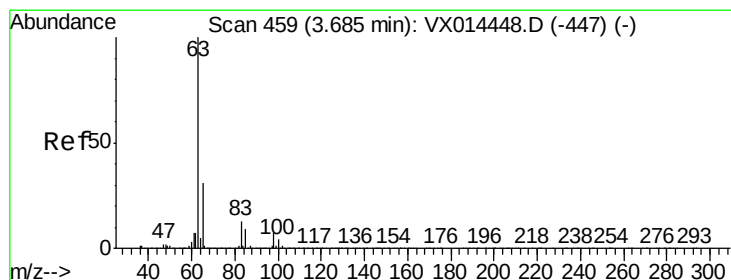
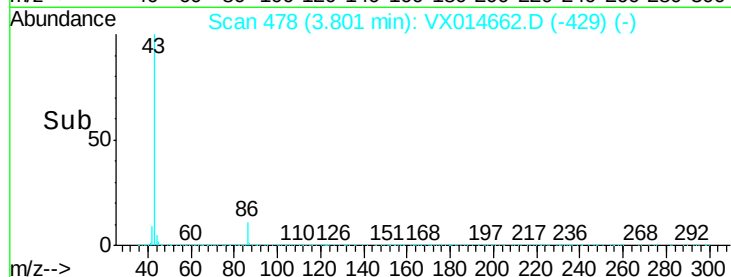
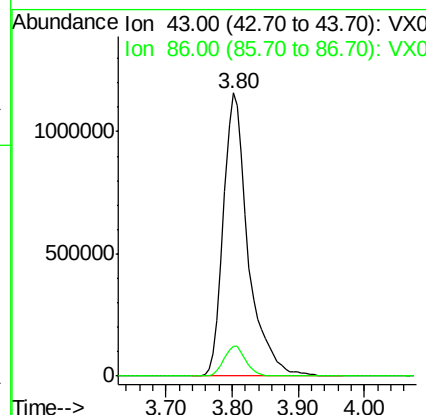
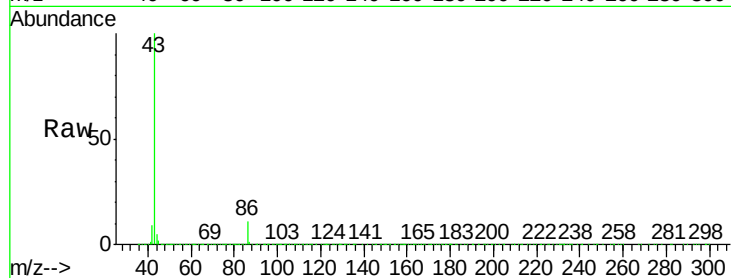
#23
 Vinyl Acetate
 Concen: 277.029 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3006402
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

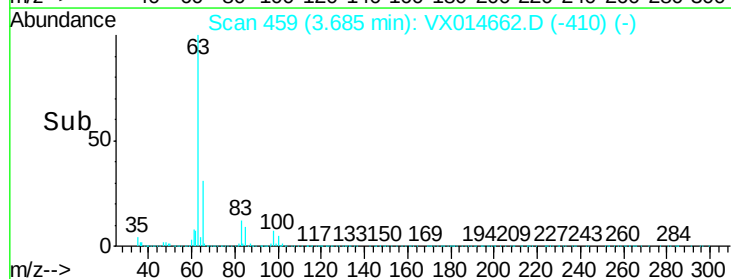
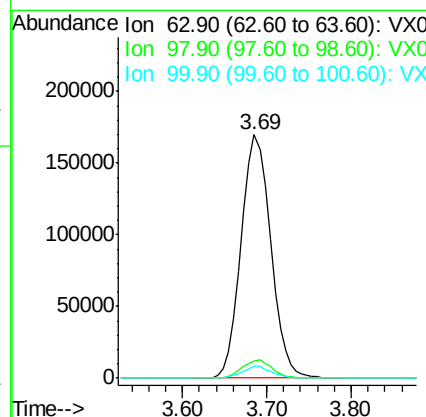
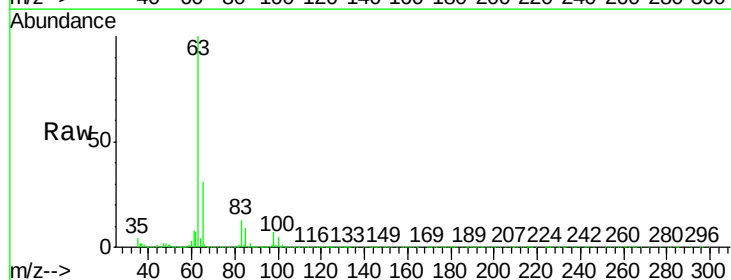
Manual Integrations
 APPROVED

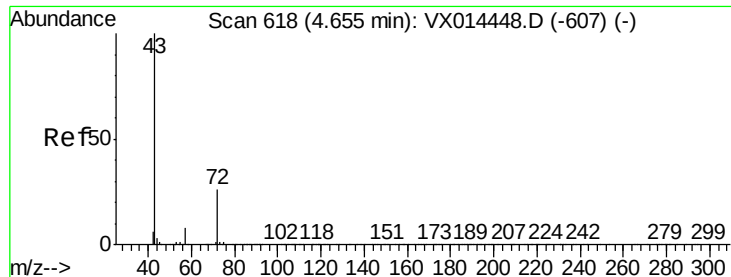
MMDadoda
 1/20/2020 11:19:29 AM



#24
 1,1-Dichloroethane
 Concen: 52.915 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion: 63 Resp: 403488
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.6 10.9
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 264.826 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tot Ion: 43 Resp: 923736

Ion Ratio Lower Upper

43 100

72 25.9 20.6 31.0

Instrument :

MSVOA_X

ClientSampleId :

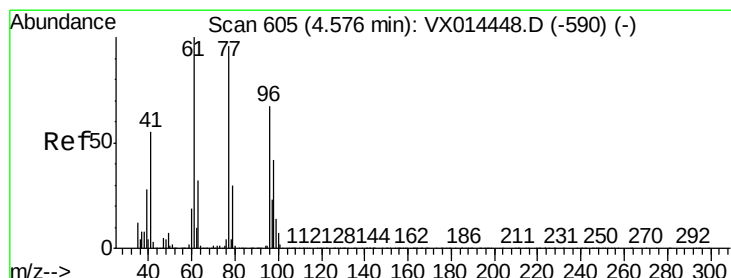
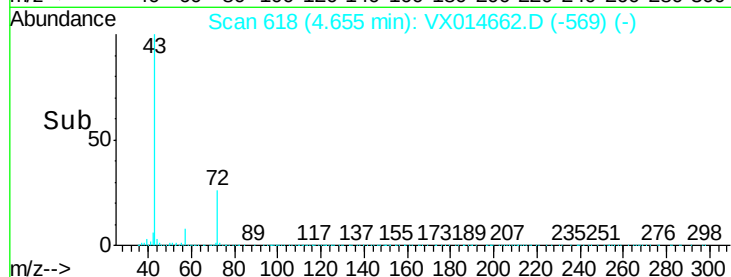
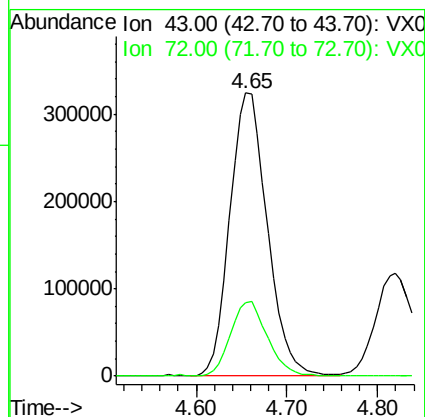
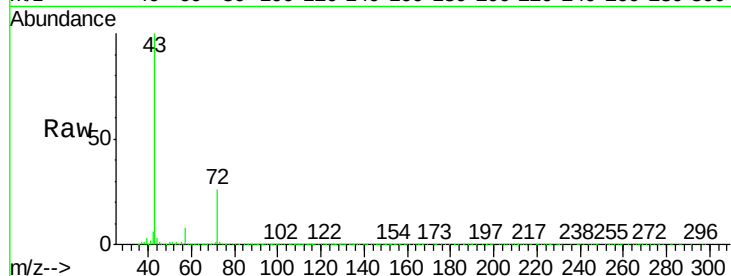
VSTDCCC050EC

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#26

2,2-Dichloropropane

Concen: 48.947 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX014662.D

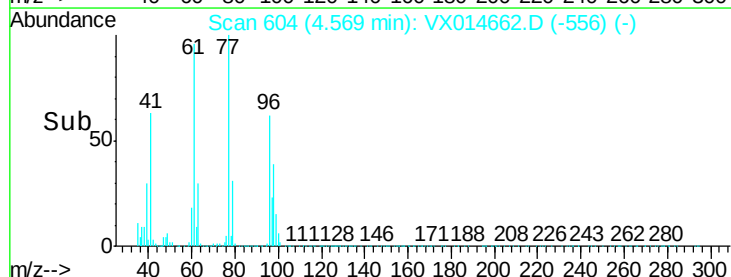
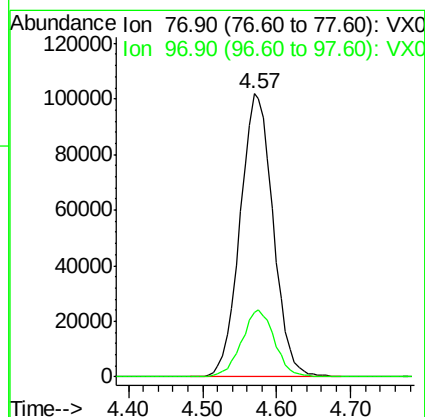
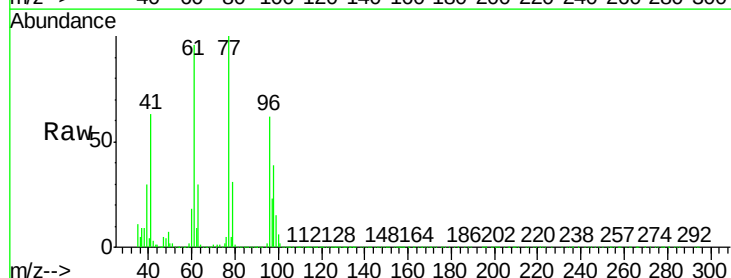
Acq: 17 Jan 2020 18:04

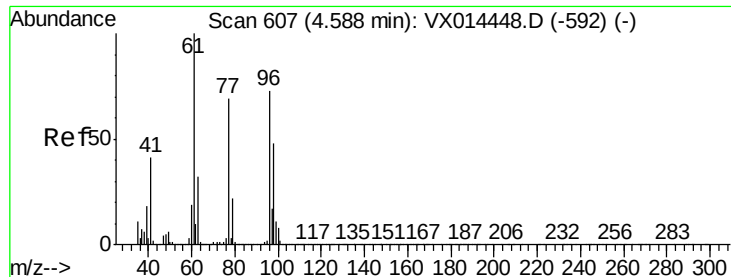
Tgt Ion: 77 Resp: 316168

Ion Ratio Lower Upper

77 100

97 23.5 11.7 35.1





#27

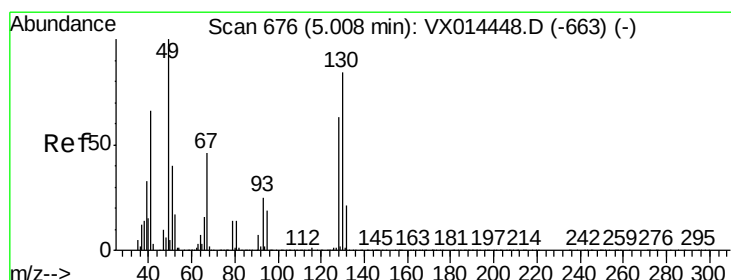
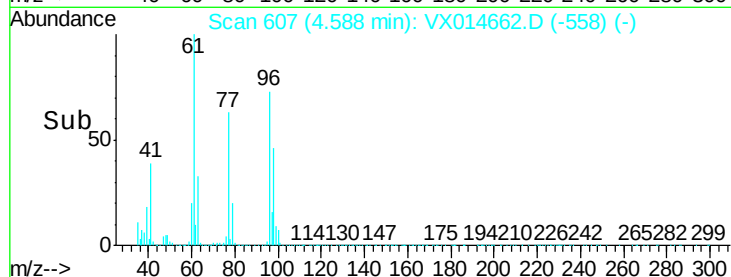
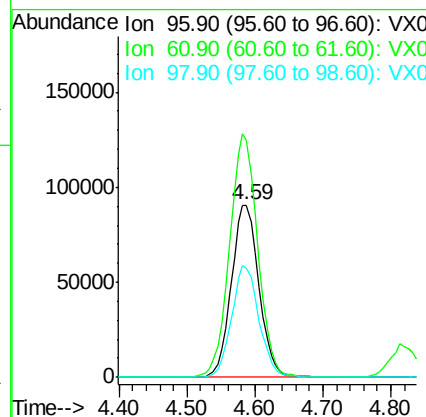
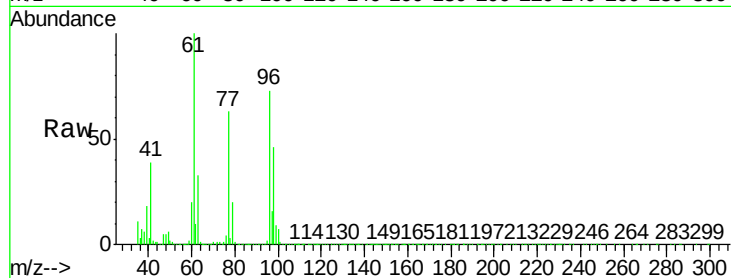
cis-1,2-Dichloroethene
Concen: 50.398 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	254106		
61	143.6	0.0	285.4	
98	64.2	0.0	130.6	

Manual Integrations
APPROVED

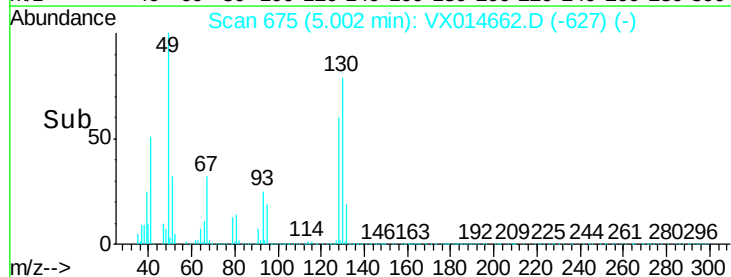
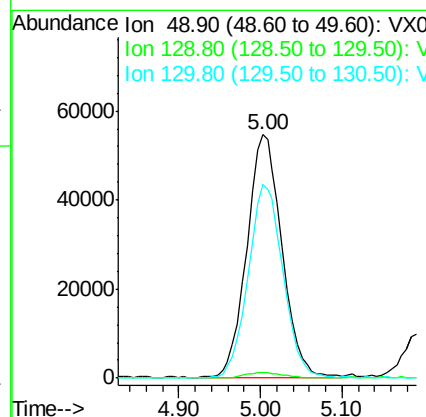
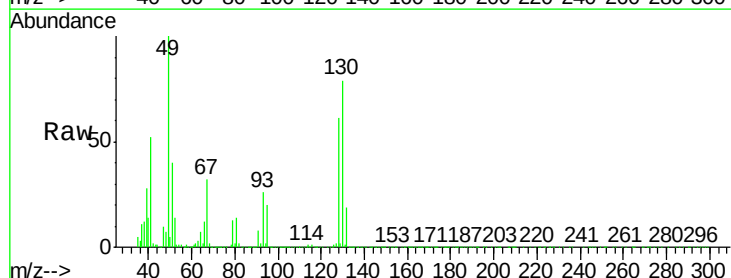
MMDadoda
1/20/2020 11:19:29 AM

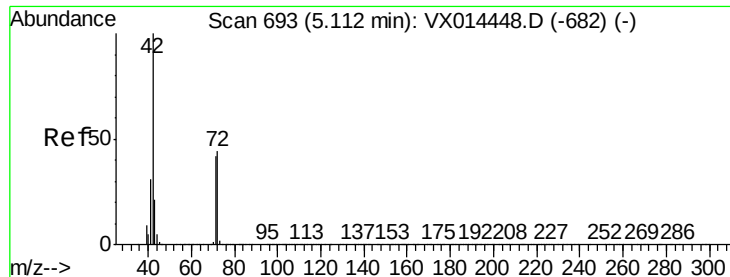


#28

Bromochloromethane
Concen: 50.585 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162534		
129	2.5	0.0	4.4	
130	79.6	67.0	100.4	





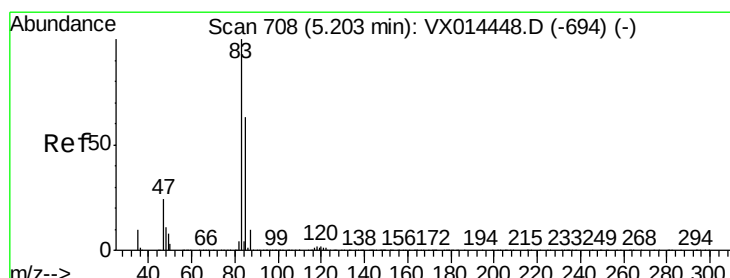
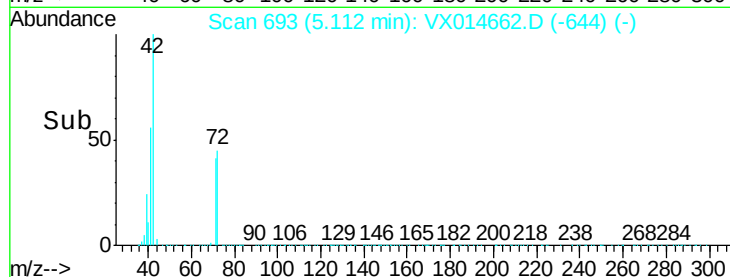
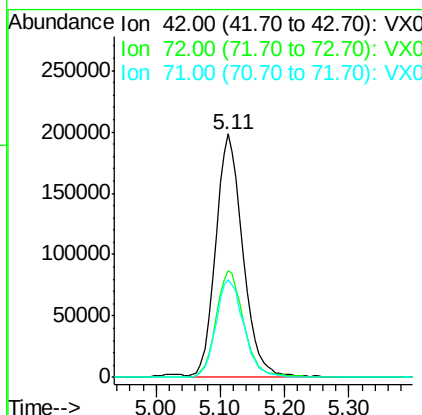
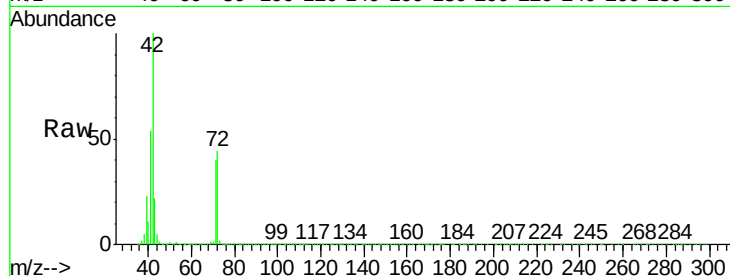
#29
Tetrahydrofuran
Concen: 284.359 ug/l
RT: 5.11 min Scan# 693
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	36.2	54.4
71	41.3	34.1	51.1

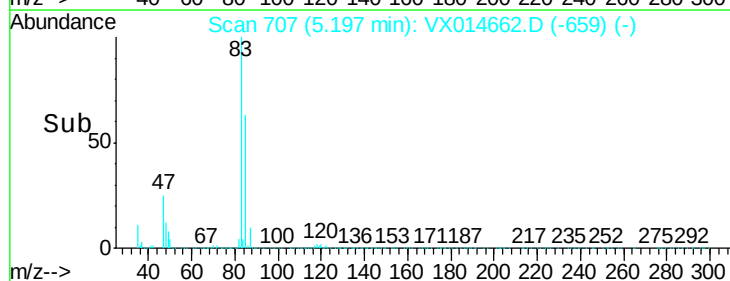
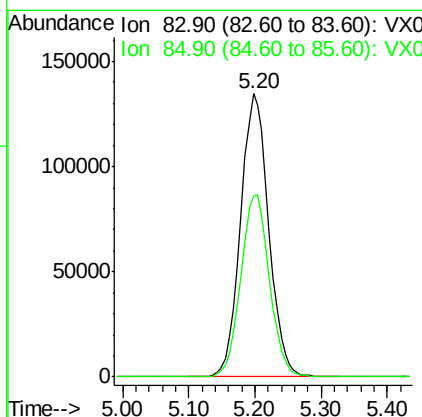
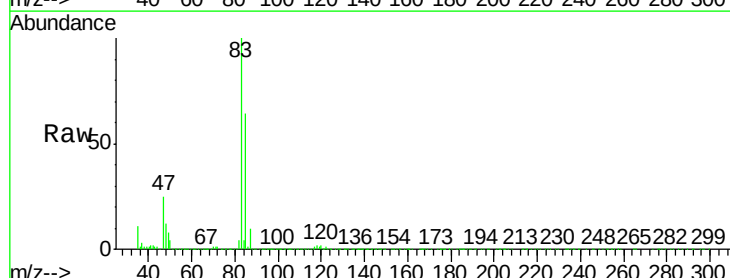
Manual Integrations
APPROVED

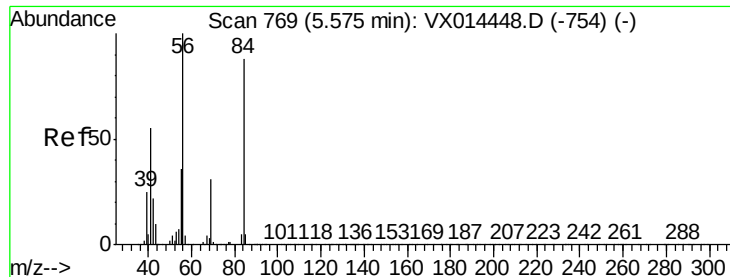
MMDadoda
1/20/2020 11:19:29 AM



#30
Chloroform
Concen: 53.324 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	75.8





#31

Cyclohexane

Concen: 51.255 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

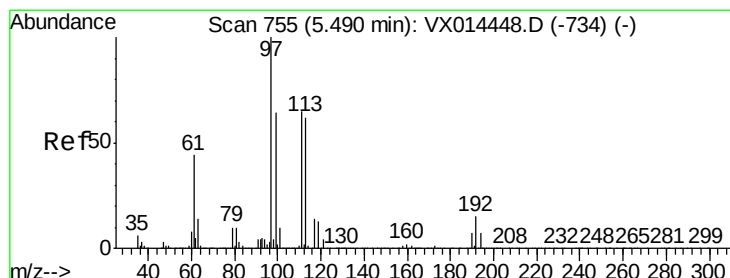
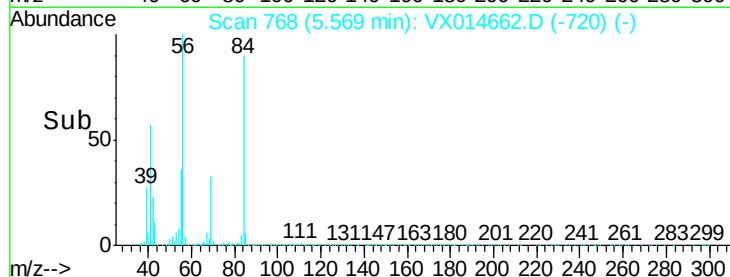
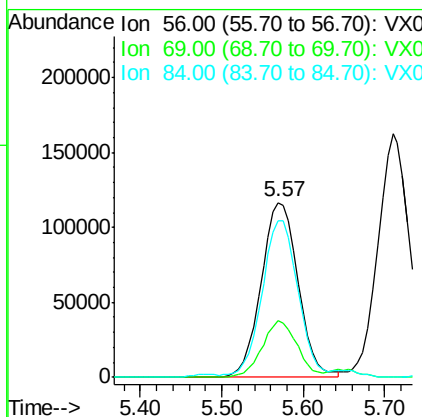
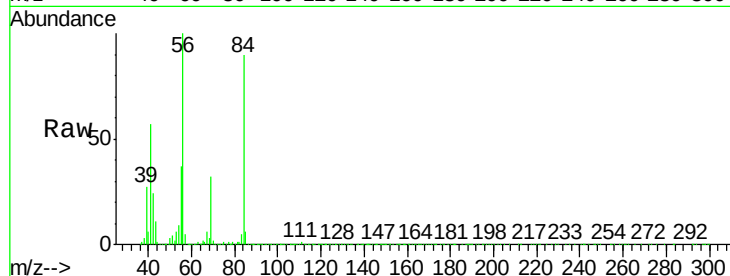
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.4	36.6
84	89.3	70.6	106.0

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#32

1,1,1-Trichloroethane

Concen: 52.009 ug/l

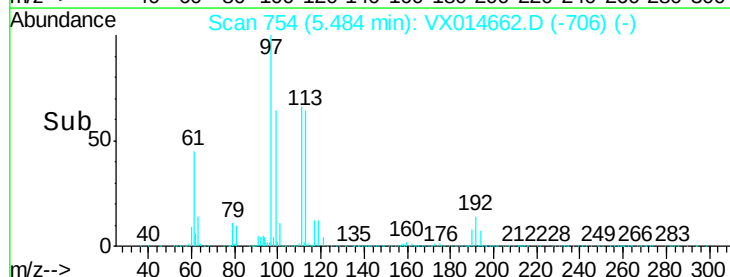
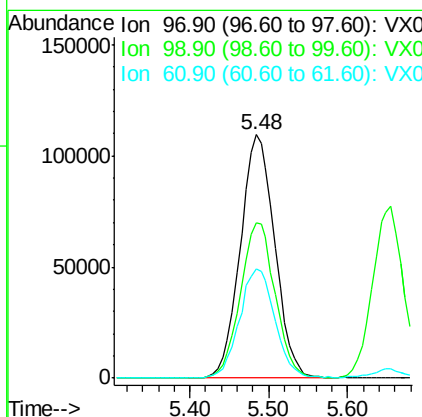
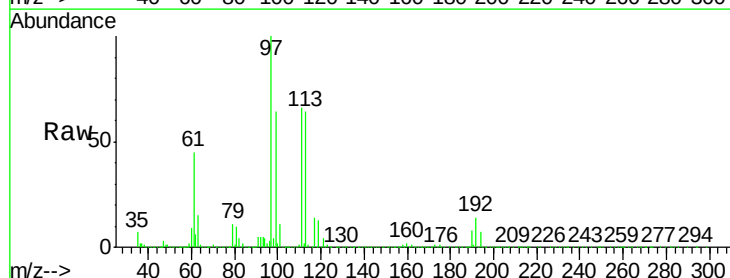
RT: 5.48 min Scan# 754

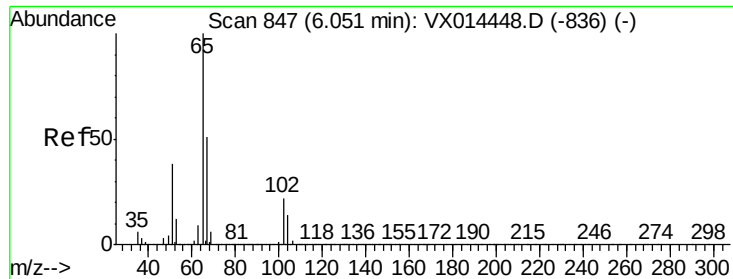
Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	45.7	35.9	53.9





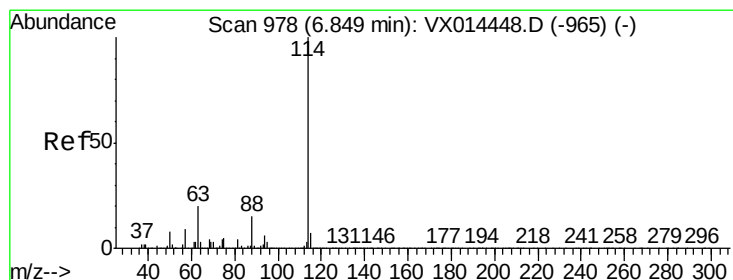
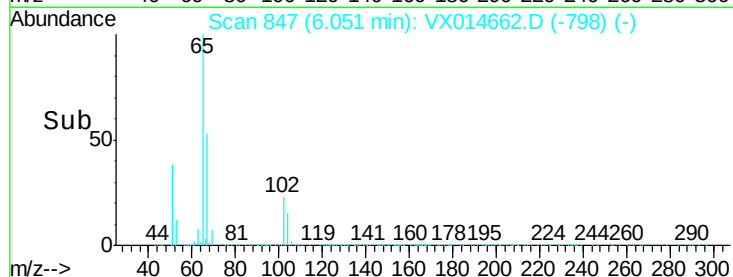
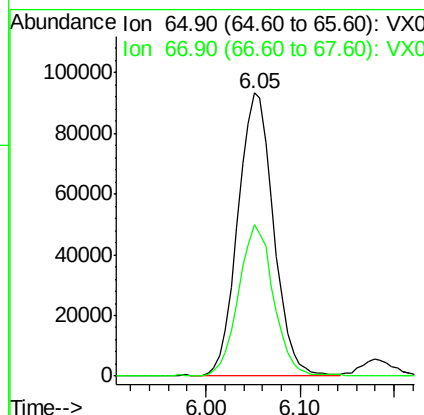
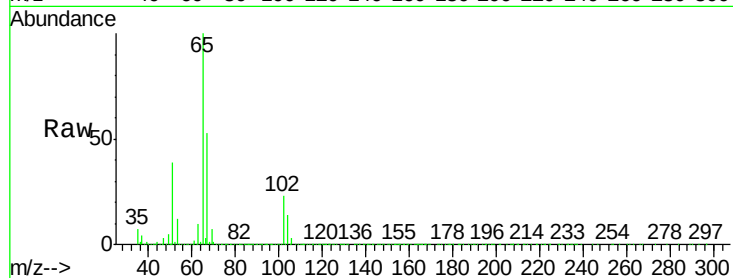
#33
 1,2-Dichloroethane-d4
 Concen: 52.652 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.2

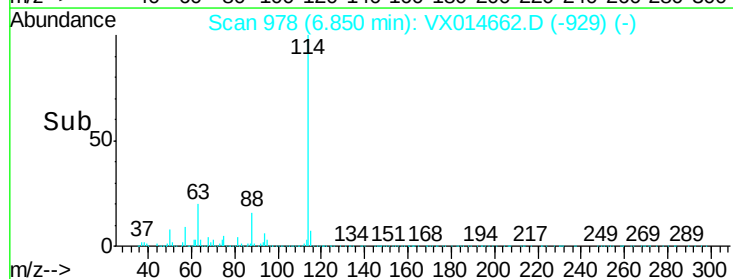
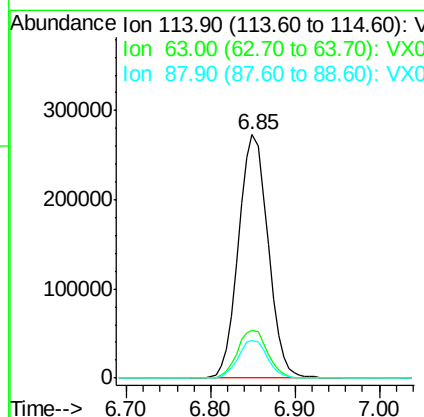
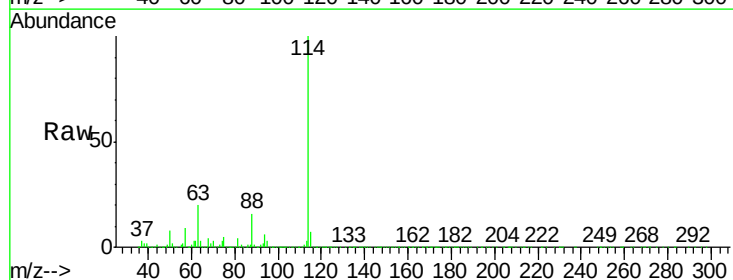
Manual Integrations
 APPROVED

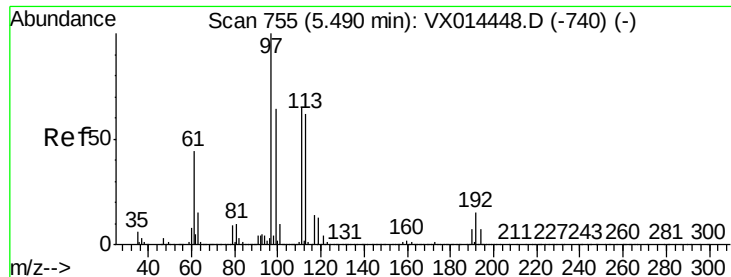
MMDadoda
 1/20/2020 11:19:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.5	0.0	30.8





#35

Dibromofluoromethane

Concen: 52.363 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

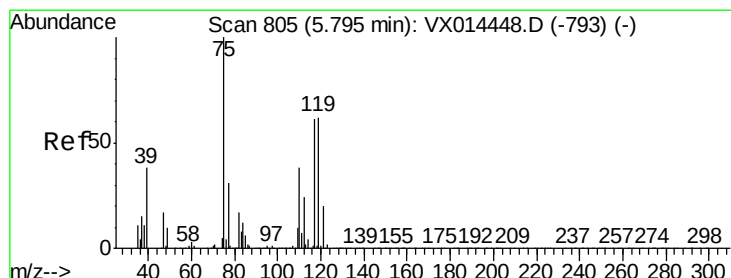
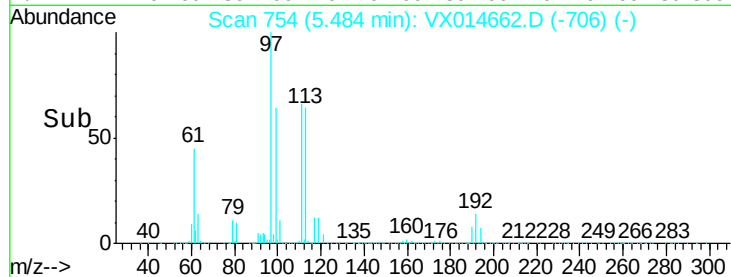
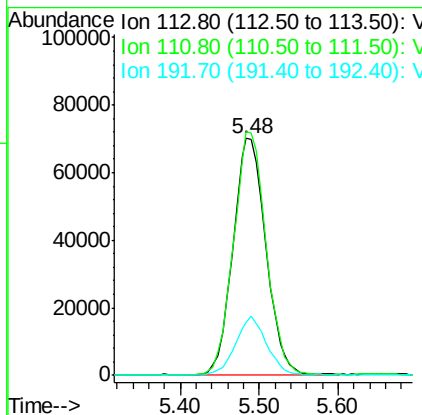
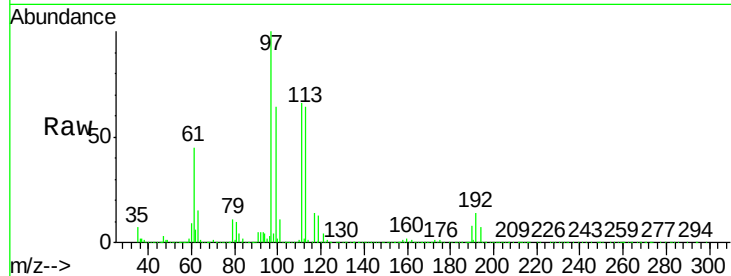
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	204180
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.5	122.3
192	23.1	19.2	28.8

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#36

1,1-Dichloropropene

Concen: 48.535 ug/l

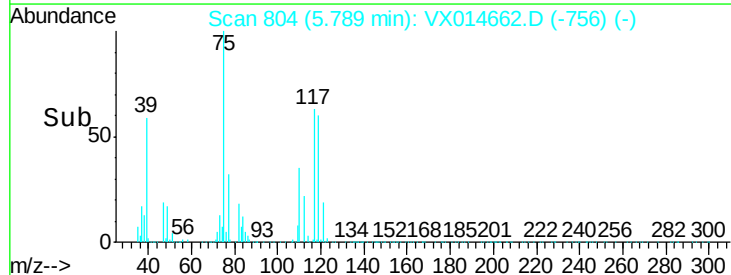
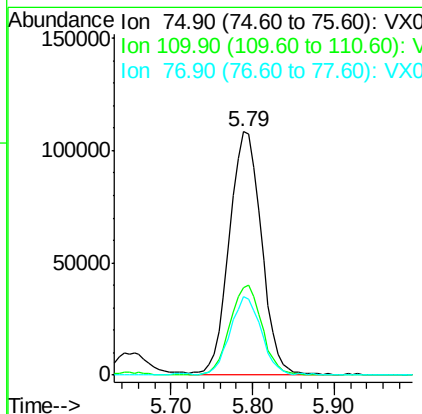
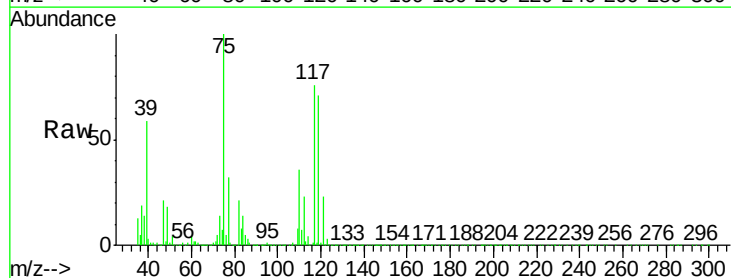
RT: 5.79 min Scan# 804

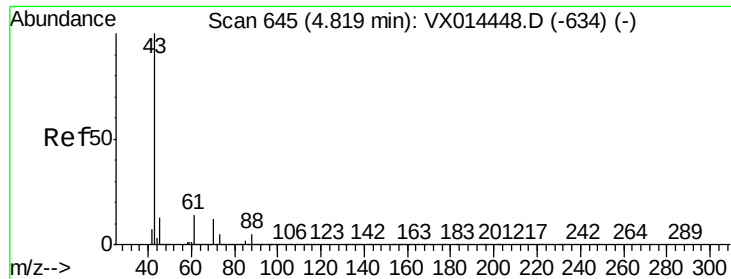
Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	75	Resp:	294008
Ion Ratio	Lower	Upper	
75	100		
110	36.9	18.6	55.8
77	30.3	24.5	36.7





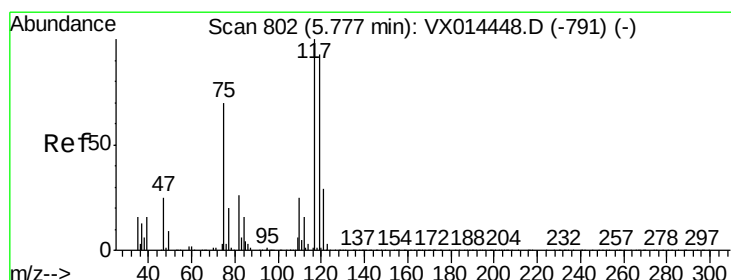
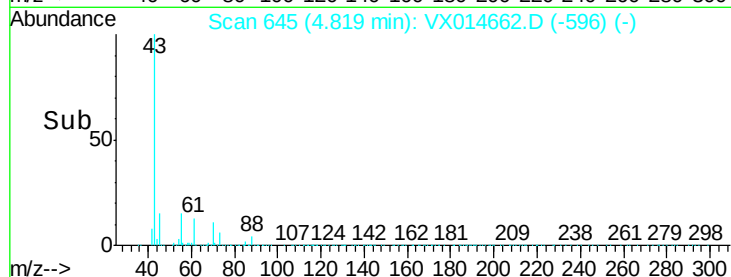
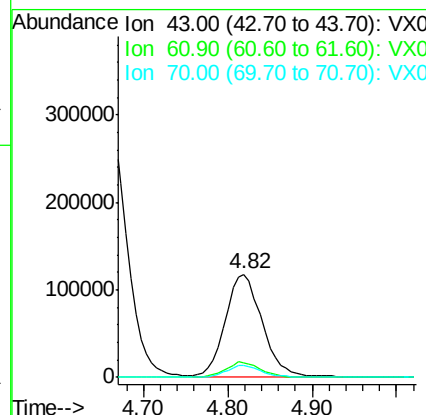
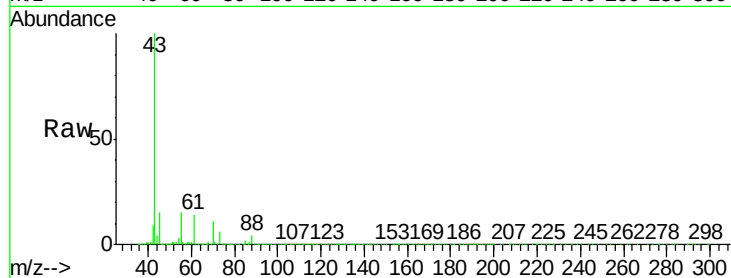
#37
Ethyl Acetate
Concen: 52.803 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	347436
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.1	16.7
70	10.8	8.9	13.3

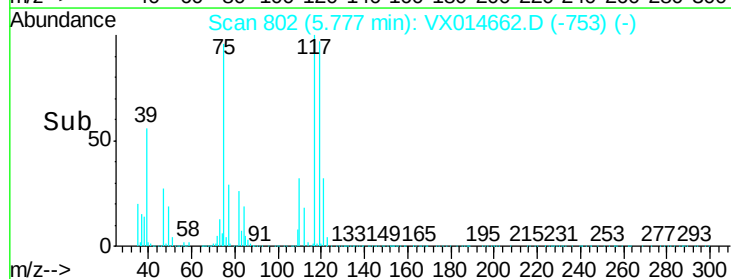
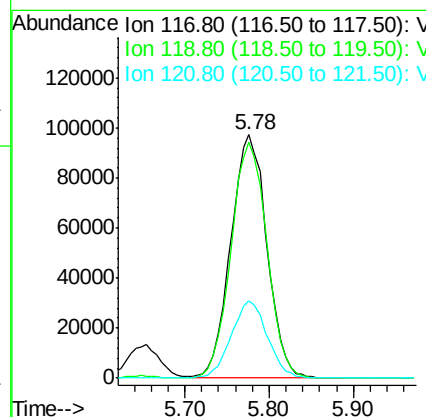
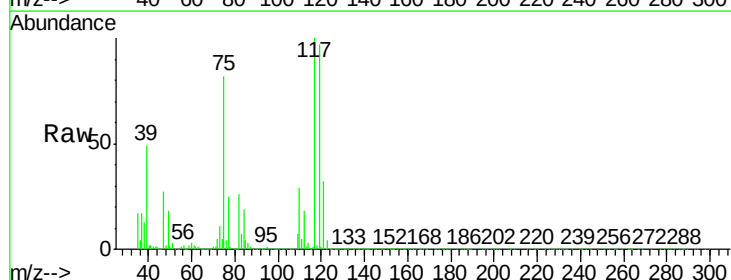
Manual Integrations
APPROVED

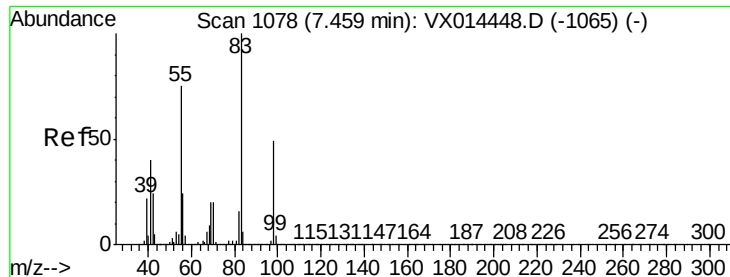
MMDadoda
1/20/2020 11:19:29 AM



#38
Carbon Tetrachloride
Concen: 50.526 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	117	Resp	281654
Ion Ratio	Lower	Upper	
117	100		
119	96.8	73.8	110.8
121	31.7	23.4	35.0





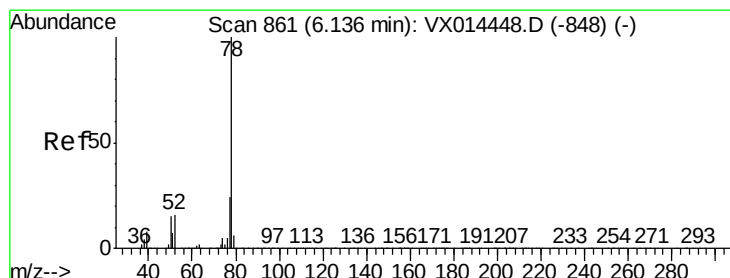
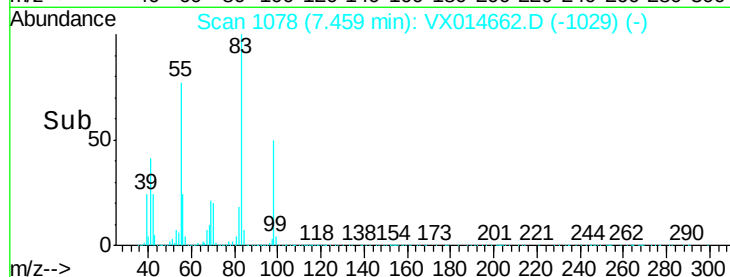
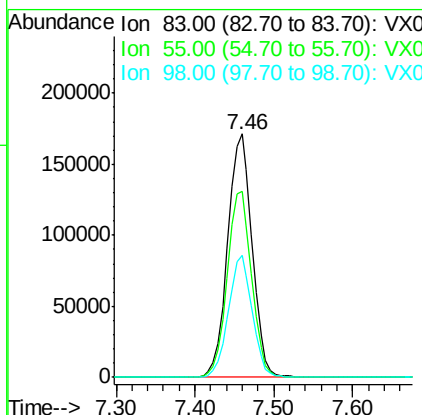
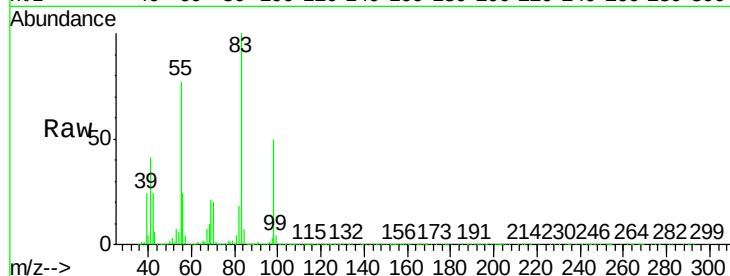
#39
Methylvlcyclohexane
Concen: 48.298 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	59.7	89.5
98	50.1	39.1	58.7

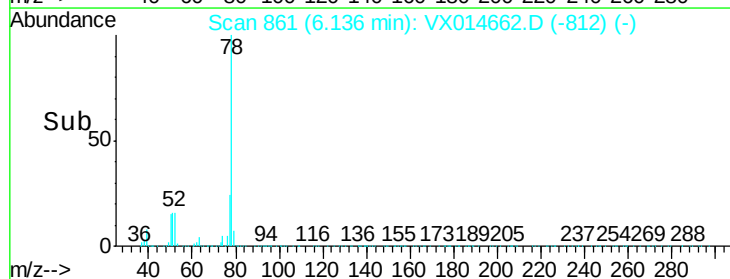
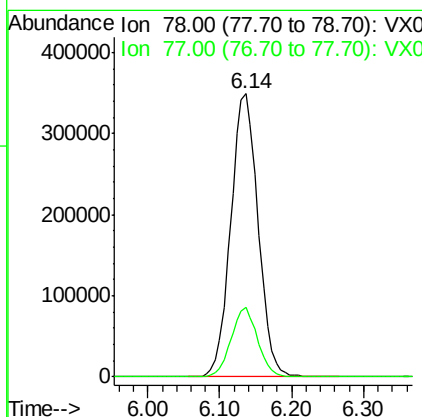
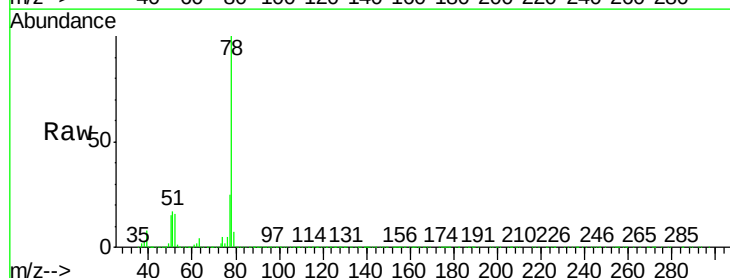
Manual Integrations
APPROVED

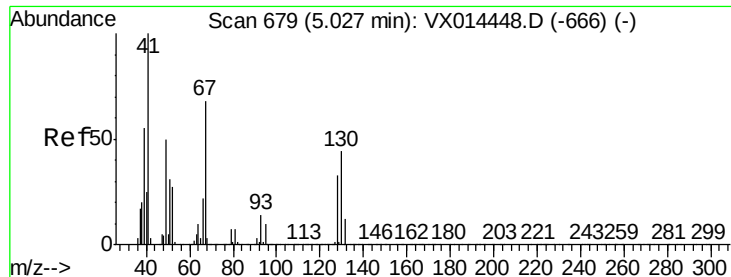
MMDadoda
1/20/2020 11:19:29 AM



#40
Benzene
Concen: 51.183 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.5	29.3





#41

Methacrylonitrile

Concen: 54.978 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

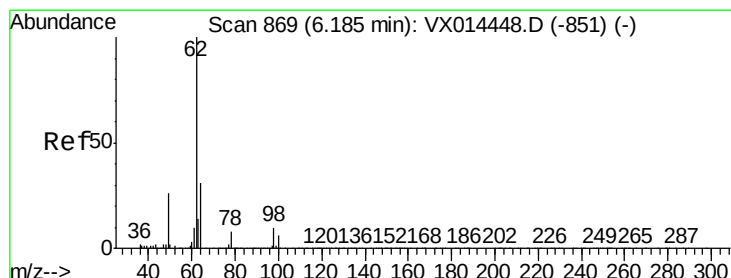
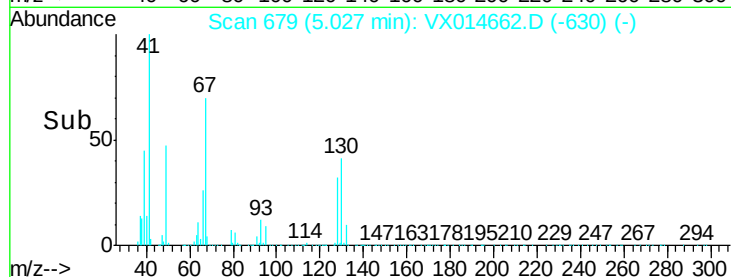
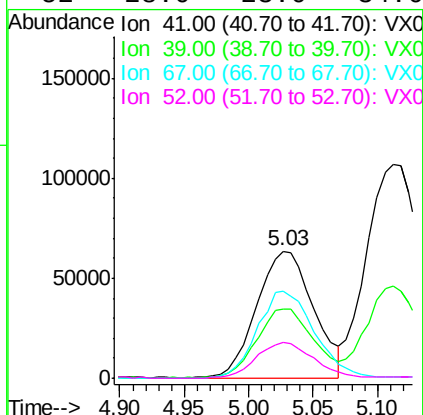
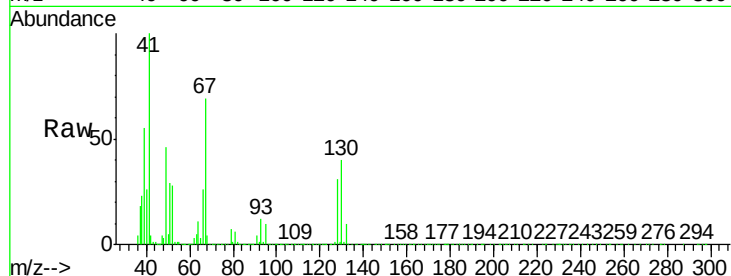
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	43.6	65.4	
67	70.7	57.9	86.9	
52	28.0	23.0	34.6	

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#42

1,2-Dichloroethane

Concen: 50.586 ug/l

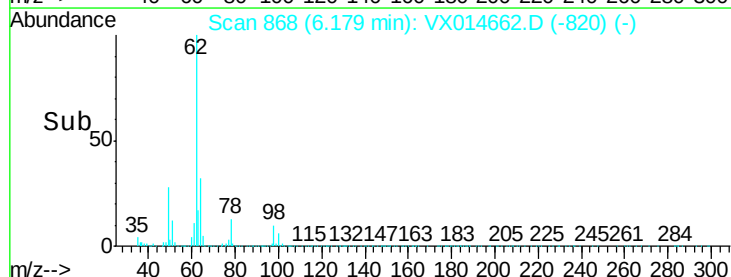
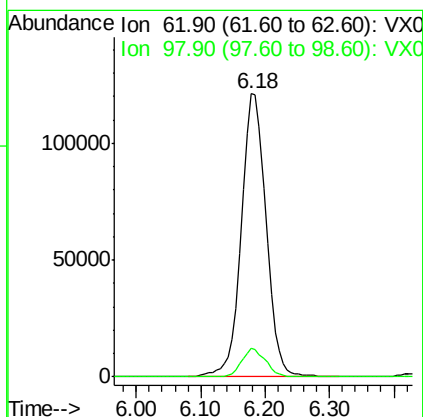
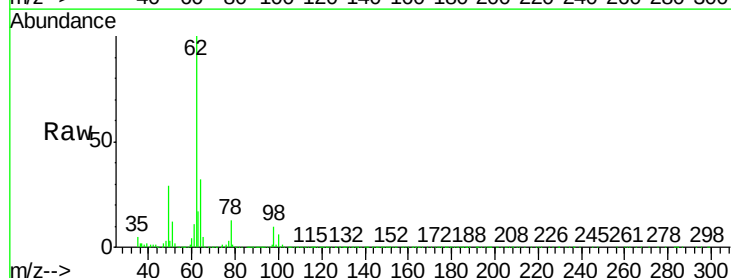
RT: 6.18 min Scan# 868

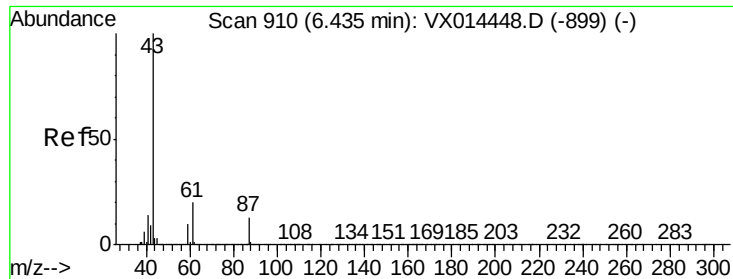
Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.4	





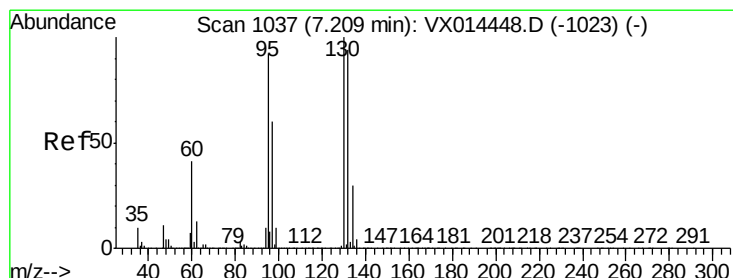
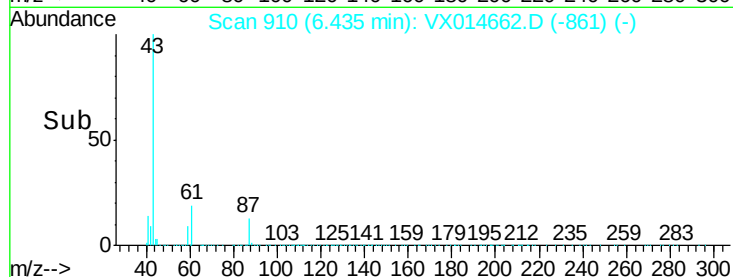
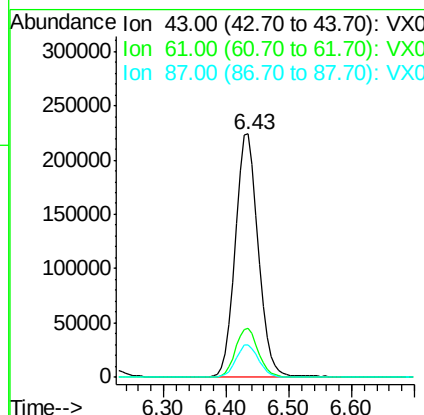
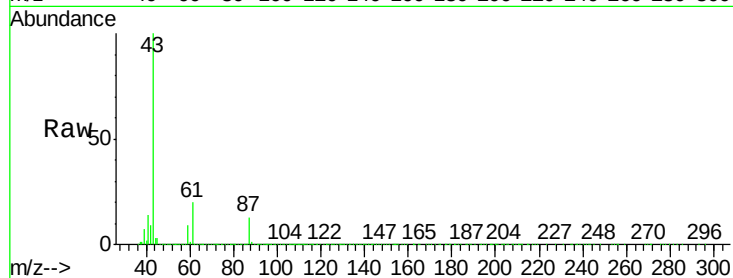
#43
Isopropyl Acetate
Concen: 53.198 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.6	24.8
87	13.1	10.8	16.2

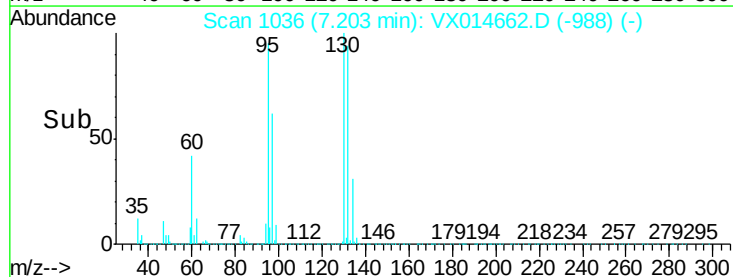
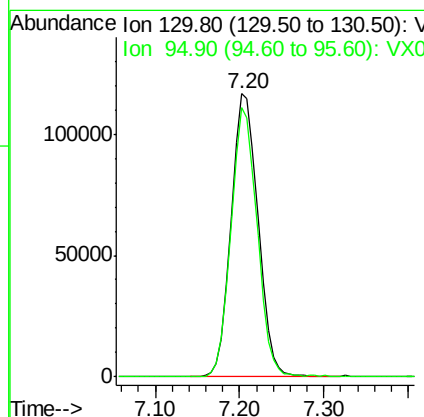
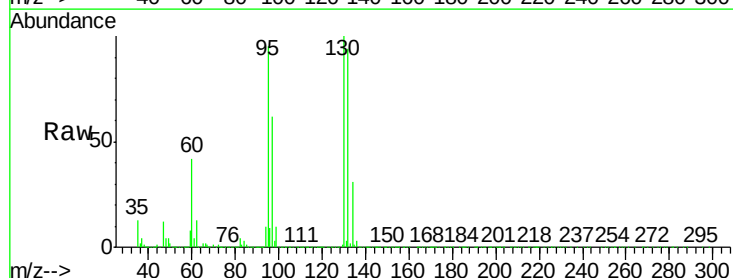
Manual Integrations
APPROVED

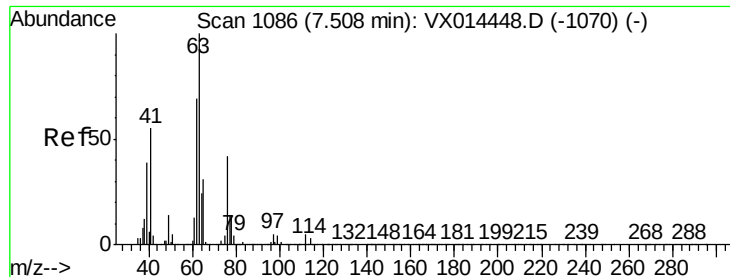
MMDadoda
1/20/2020 11:19:29 AM



#44
Trichloroethene
Concen: 48.885 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	184.2





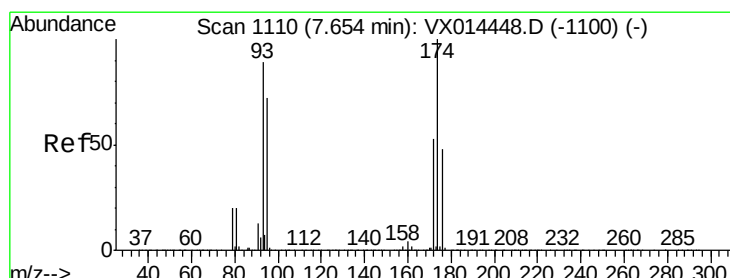
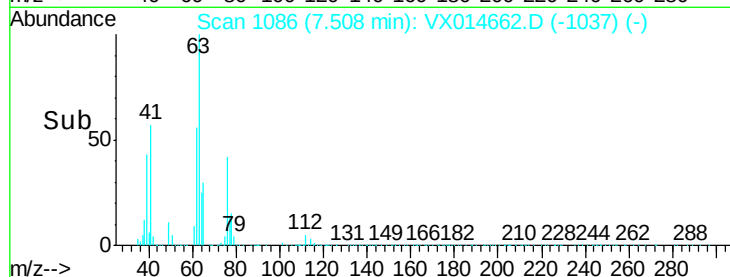
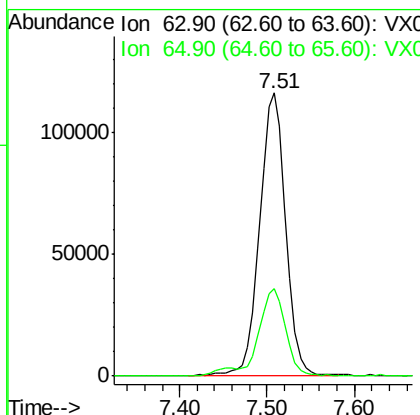
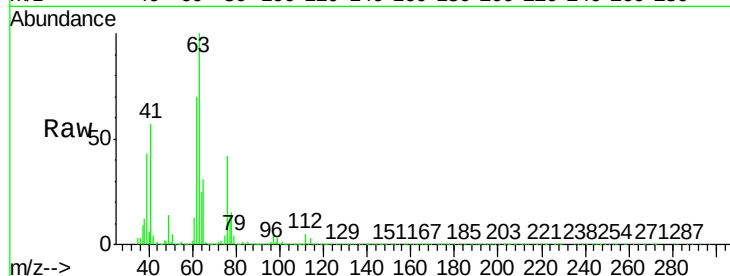
#45
 1,2-Dichloropropane
 Concen: 52.407 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.8	37.2

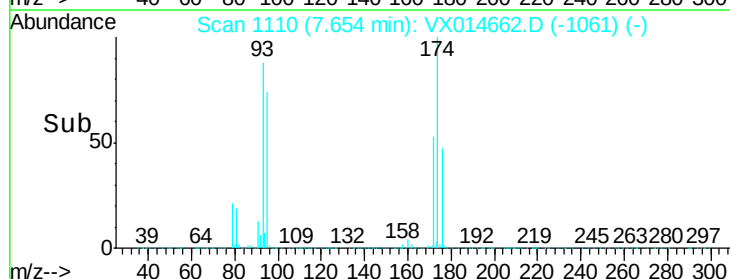
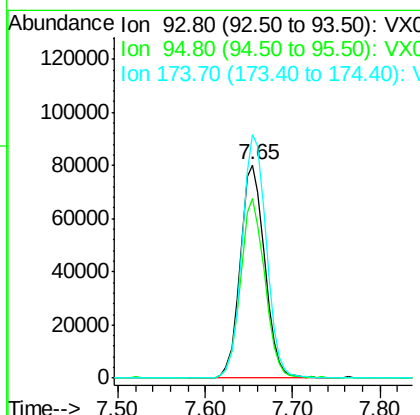
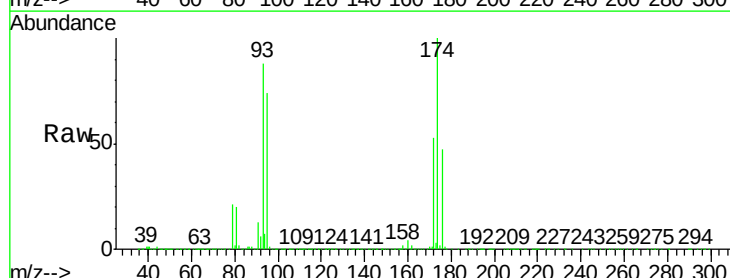
Manual Integrations
 APPROVED

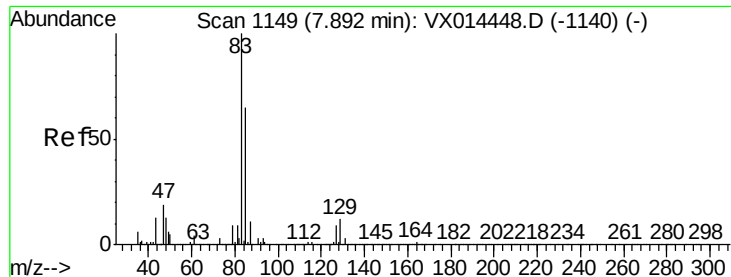
MMDadoda
 1/20/2020 11:19:29 AM



#46
 Dibromomethane
 Concen: 48.990 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.4	98.2
174	112.6	93.0	139.4





#47

Bromodichloromethane

Concen: 52.902 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

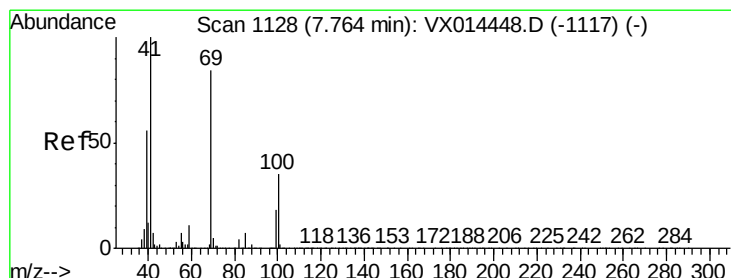
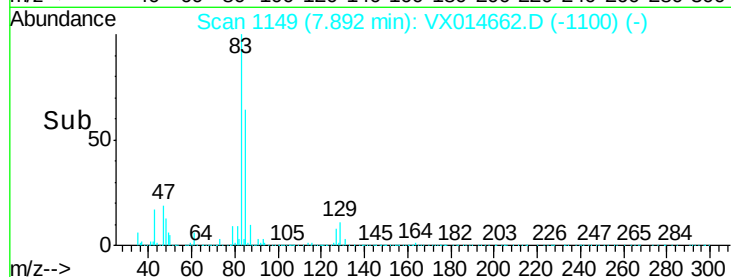
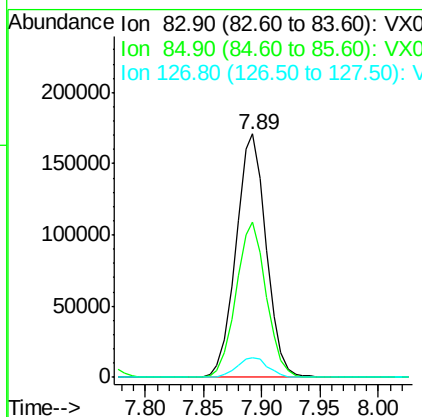
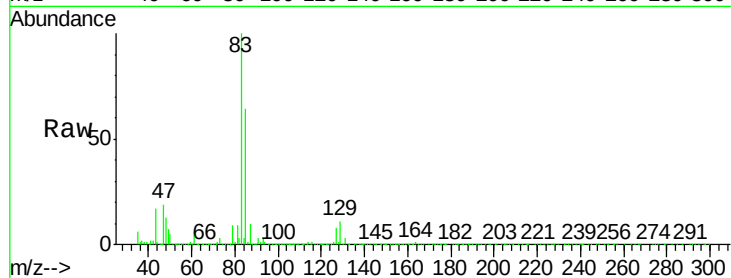
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	307965
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.7	77.5
127	8.1	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#48

Methyl methacrylate

Concen: 55.119 ug/l

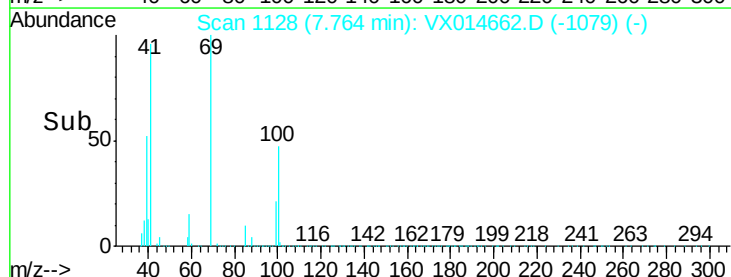
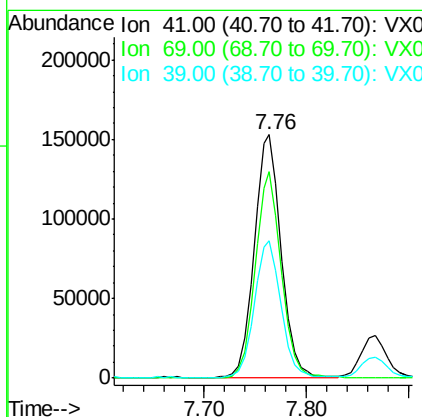
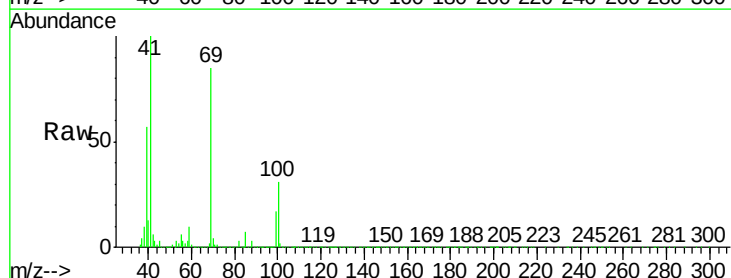
RT: 7.76 min Scan# 1128

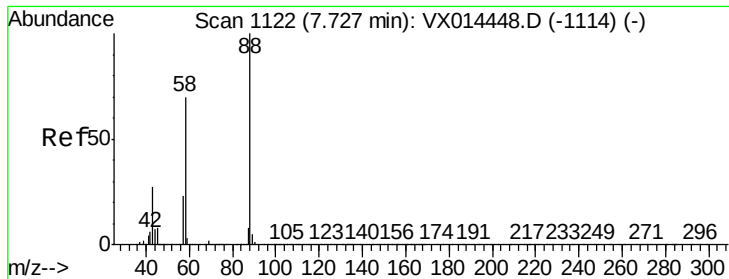
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	41	Resp:	280600
Ion Ratio	Lower	Upper	
41	100		
69	82.6	65.5	98.3
39	56.0	43.9	65.9





#49

1,4-Dioxane

Concen: 1102.449 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

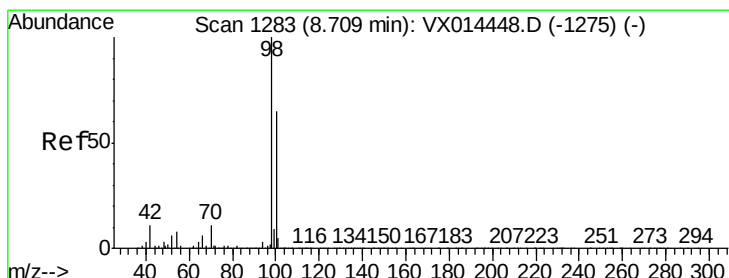
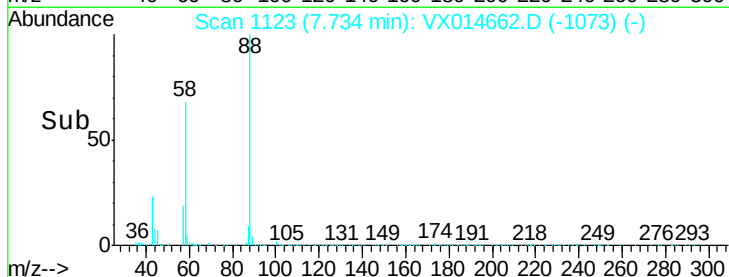
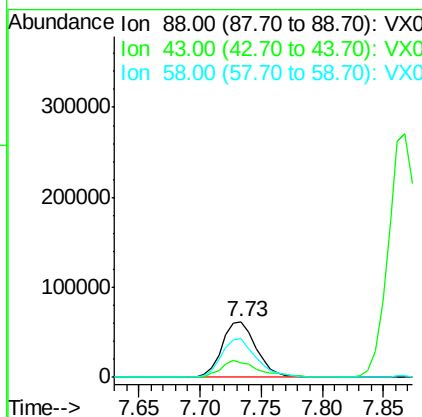
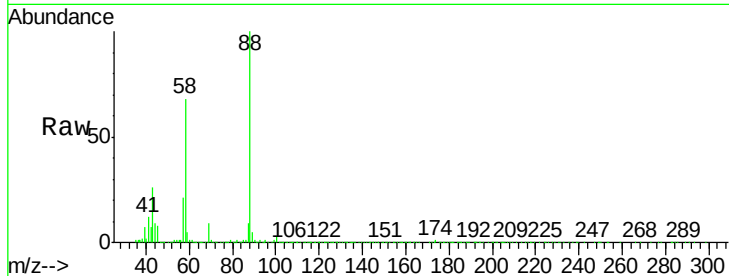
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	118921
Ion Ratio	Lower	Upper	
88	100		
43	32.9	27.4	41.0
58	71.6	57.1	85.7

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#50

Toluene-d8

Concen: 51.635 ug/l

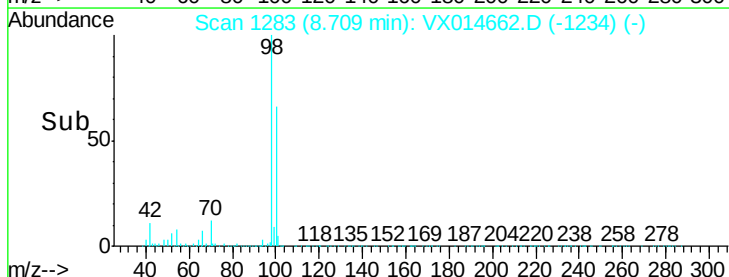
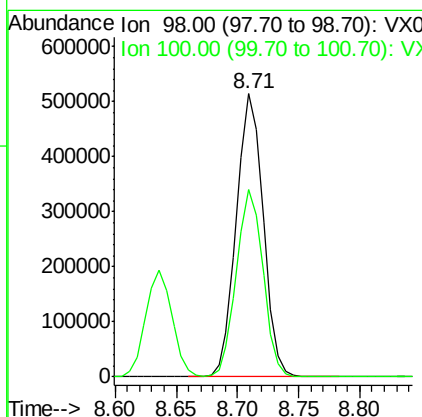
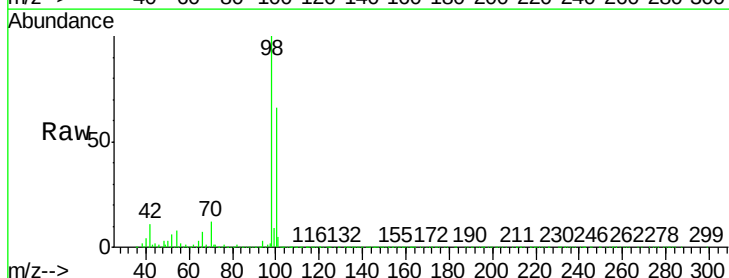
RT: 8.71 min Scan# 1283

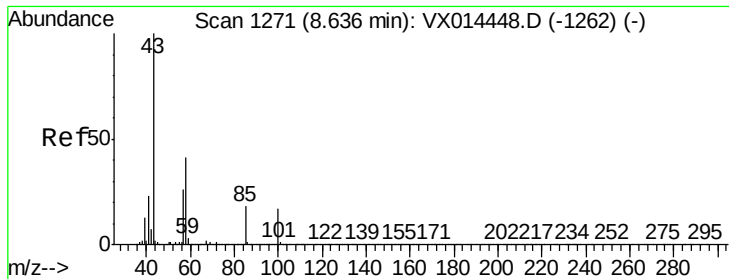
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	98	Resp:	781339
Ion Ratio	Lower	Upper	
98	100		
100	65.9	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 280.328 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1815730

Ion Ratio Lower Upper

43 100

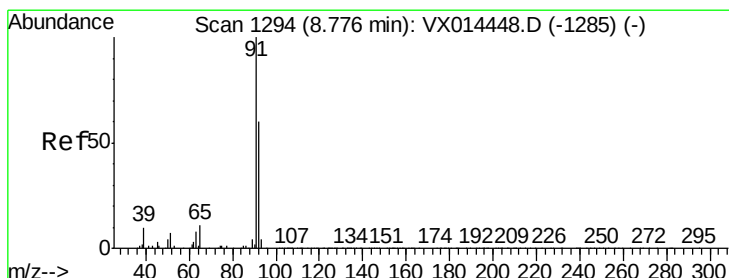
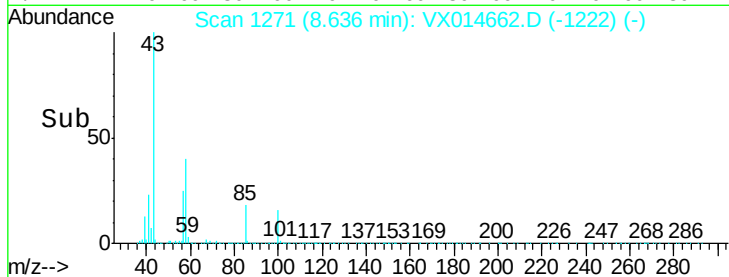
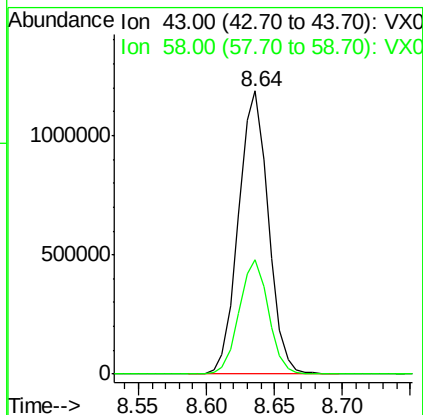
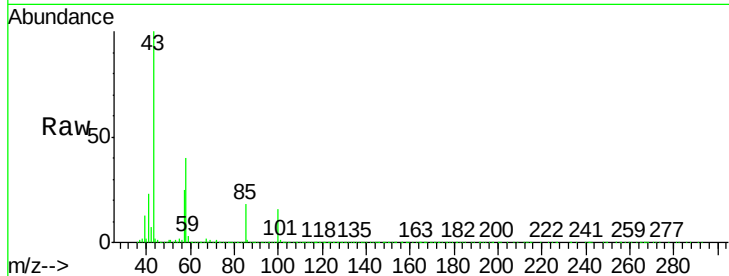
58 39.8 32.4 48.6

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#52

Toluene

Concen: 50.065 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX014662.D

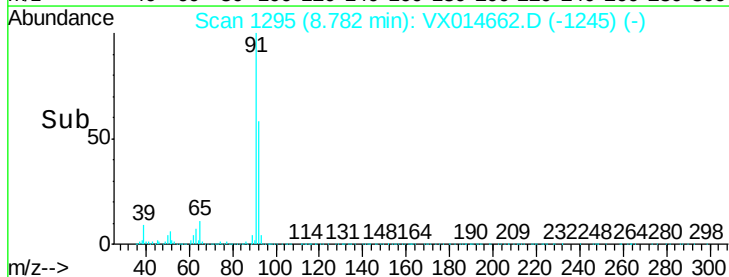
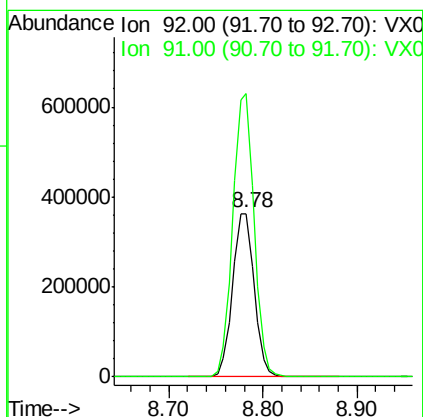
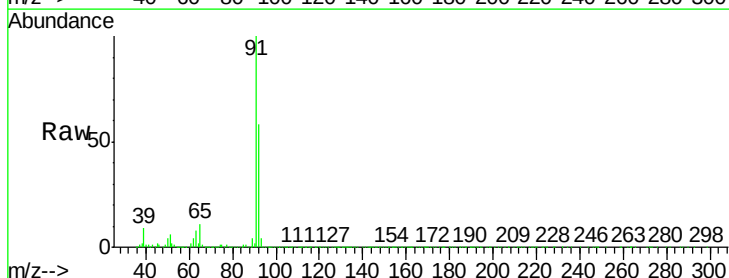
Acq: 17 Jan 2020 18:04

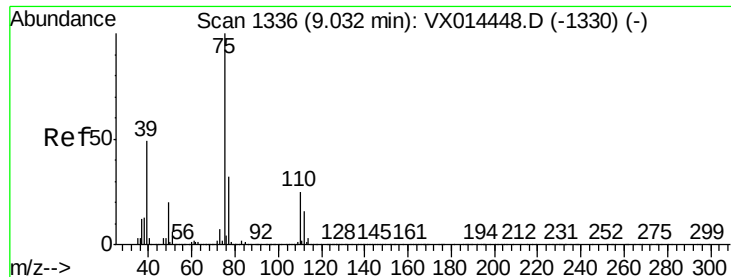
Tgt Ion: 92 Resp: 576196

Ion Ratio Lower Upper

92 100

91 171.1 135.7 203.5





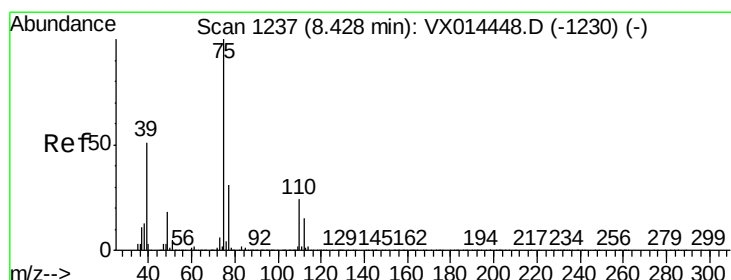
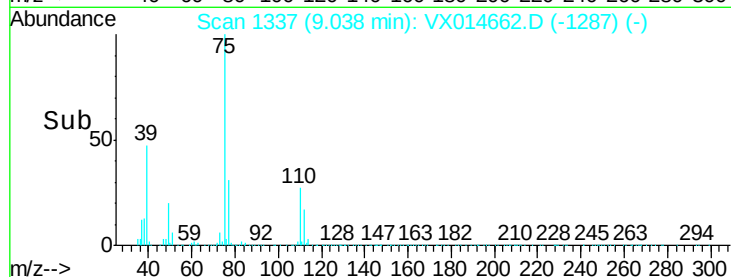
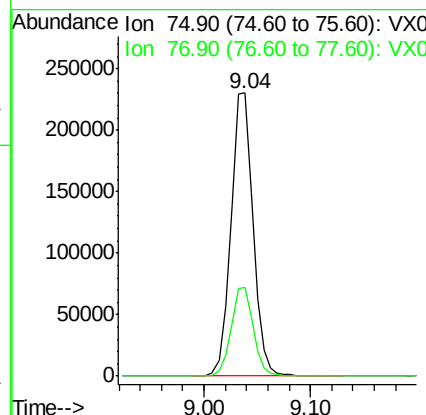
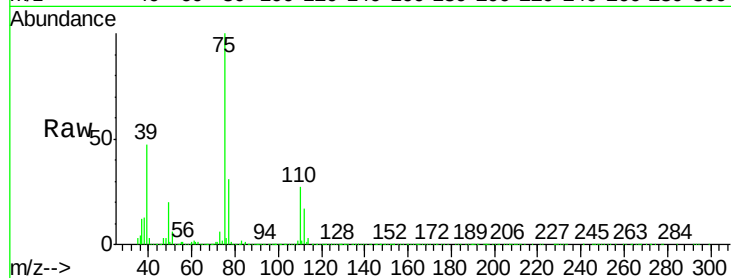
#53
t-1,3-Dichloropropene
Concen: 49.467 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.4	38.2

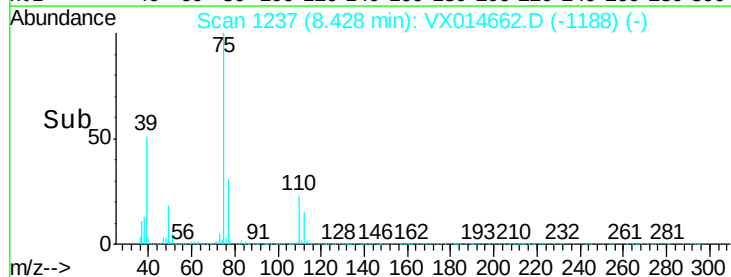
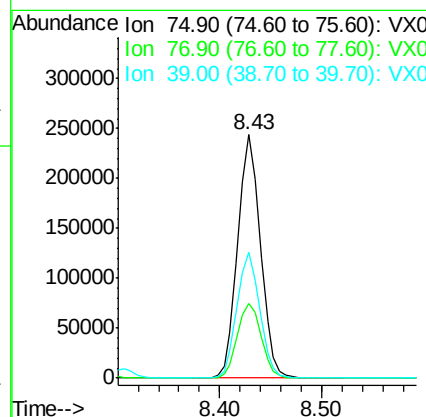
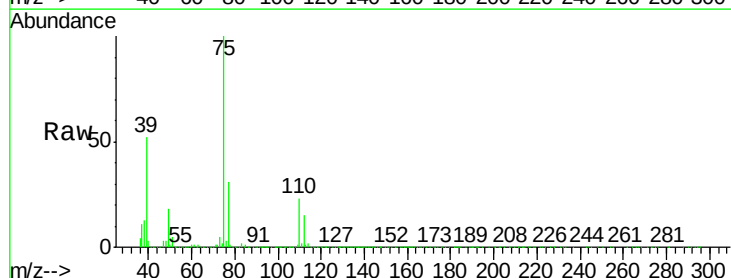
Manual Integrations
APPROVED

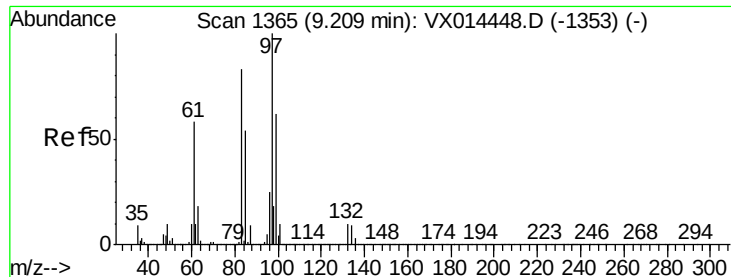
MMDadoda
1/20/2020 11:19:29 AM



#54
cis-1,3-Dichloropropene
Concen: 51.230 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	51.5	40.7	61.1





#55

1,1,2-Trichloroethane

Concen: 51.688 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

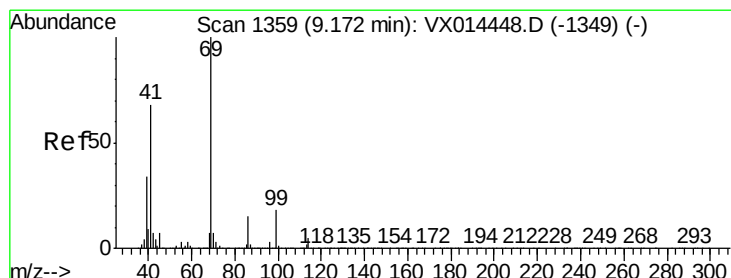
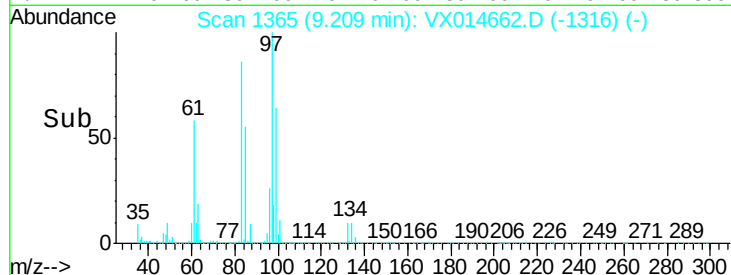
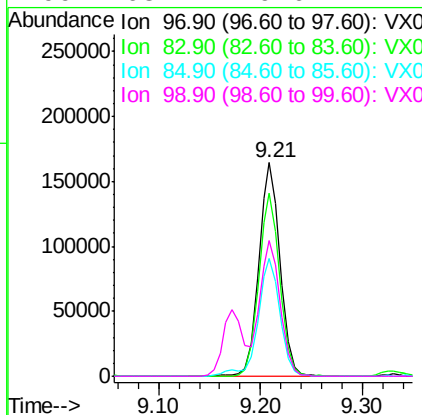
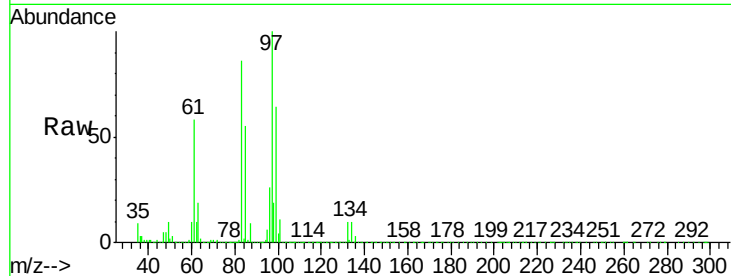
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.7	66.4	99.6
85	55.2	43.4	65.2
99	63.7	49.6	74.4

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#56

Ethyl methacrylate

Concen: 52.964 ug/l

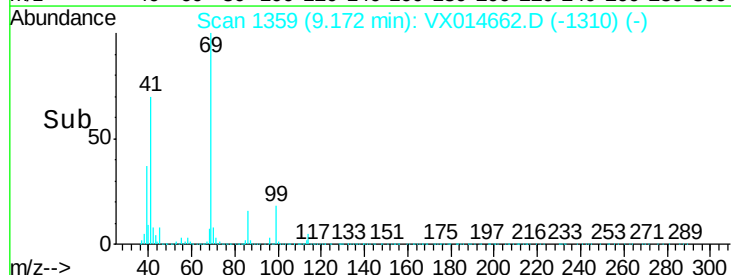
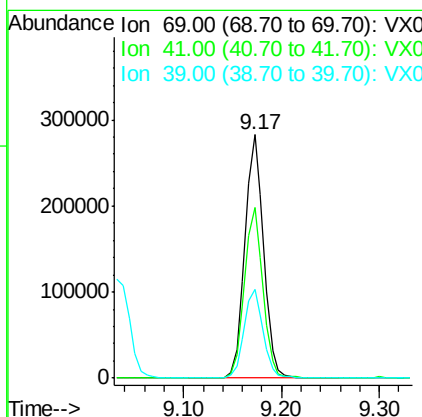
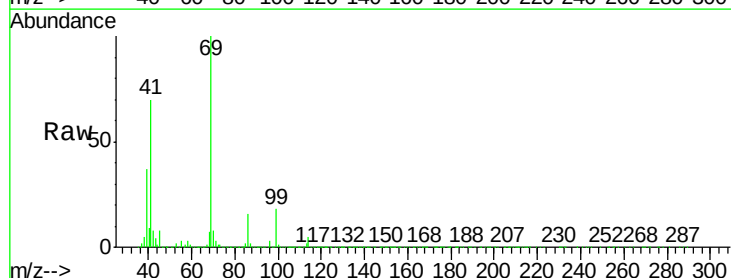
RT: 9.17 min Scan# 1359

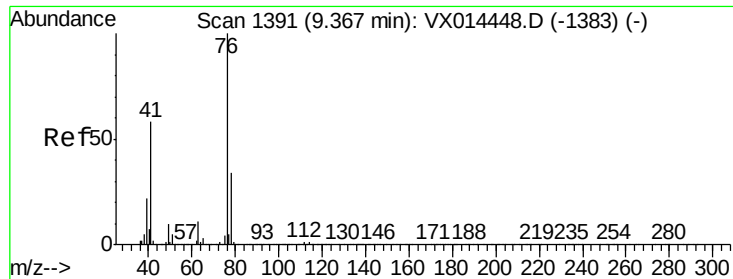
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.2	81.2
39	36.7	28.2	42.2





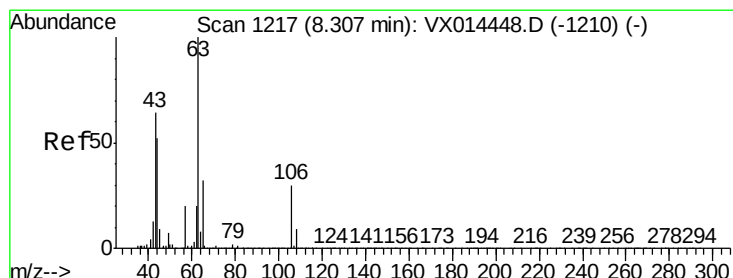
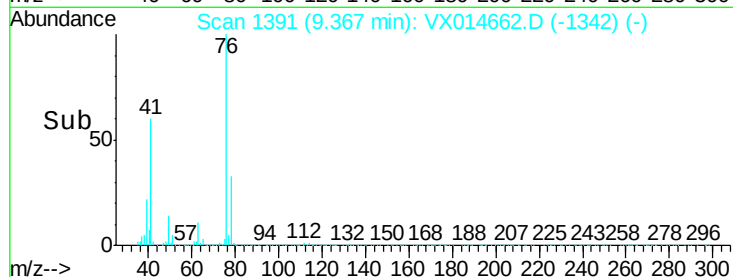
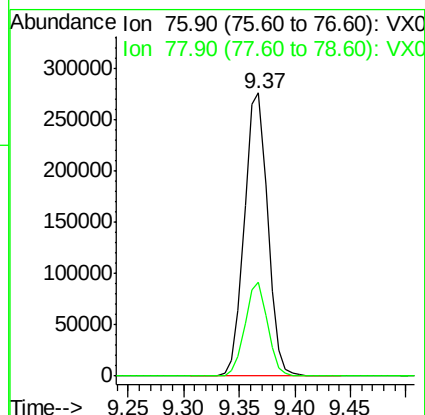
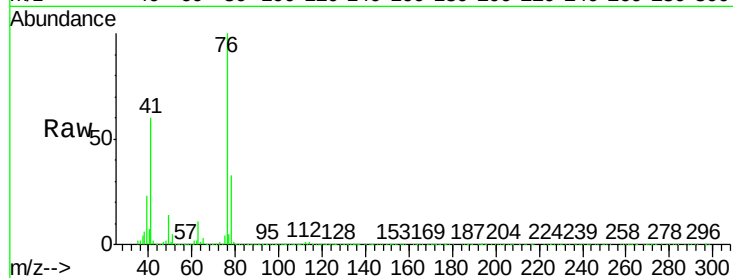
#57
 1,3-Dichloropropane
 Concen: 51.913 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.4	39.6

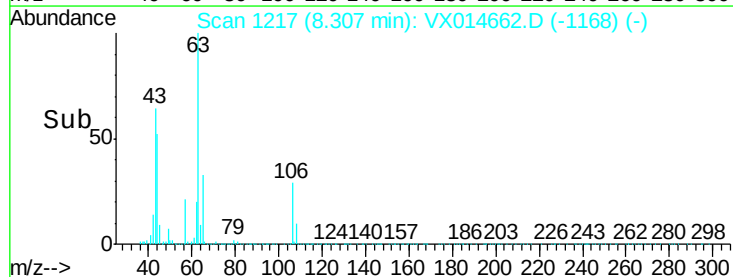
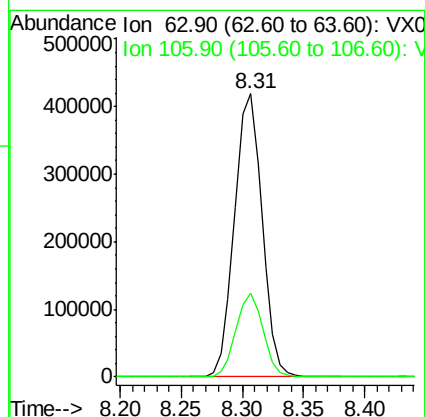
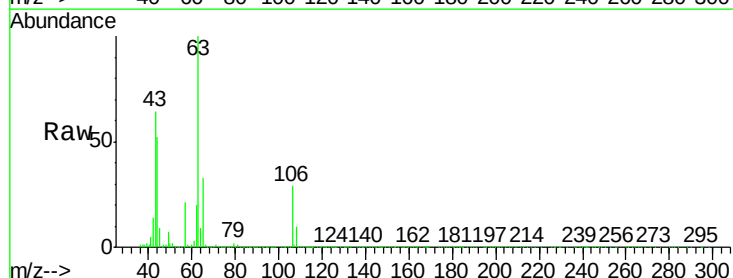
Manual Integrations
 APPROVED

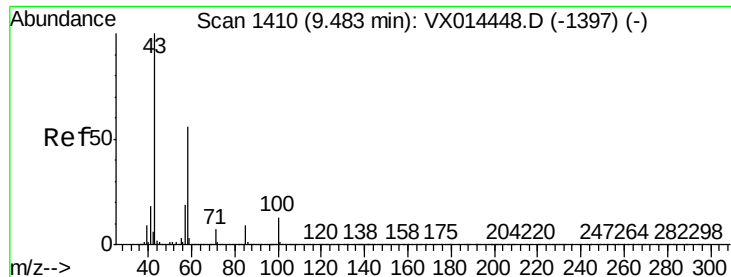
MMDadoda
 1/20/2020 11:19:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.061 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	23.6	35.4





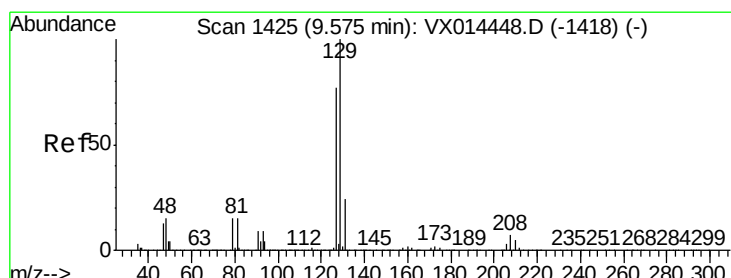
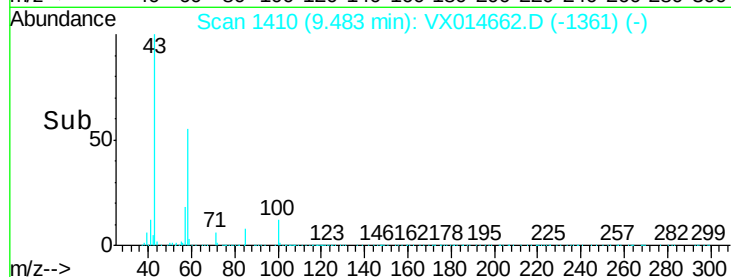
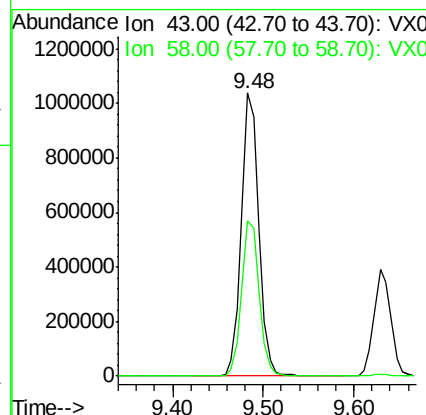
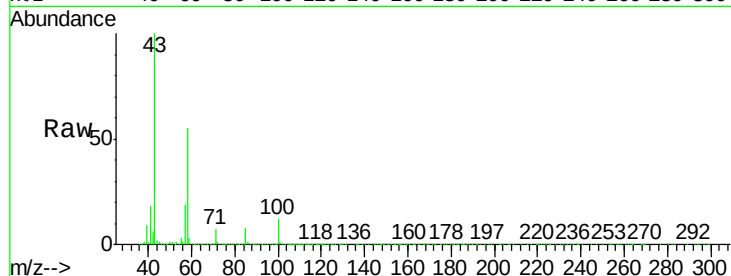
#59
2-Hexanone
Concen: 270.867 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1388198
Ion Ratio Lower Upper
43 100
58 55.4 27.9 83.7

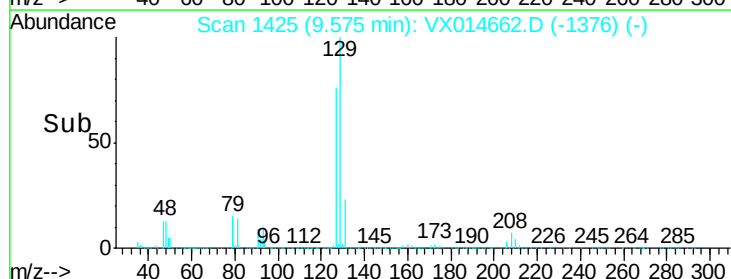
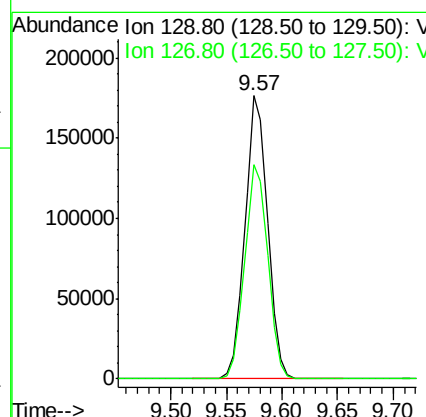
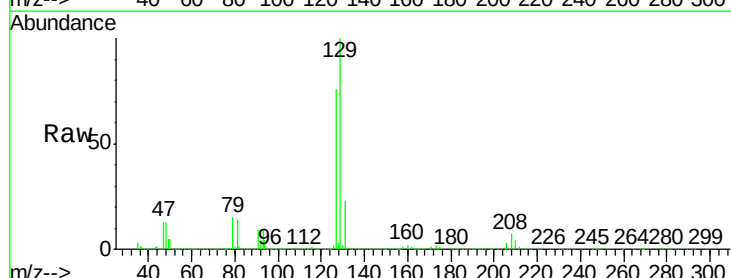
Manual Integrations
APPROVED

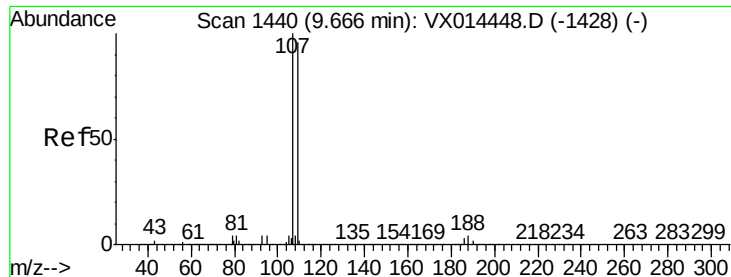
MMDadoda
1/20/2020 11:19:29 AM



#60
Dibromochloromethane
Concen: 53.413 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion: 129 Resp: 248179
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 50.189 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 245764

Ion Ratio Lower Upper

107 100

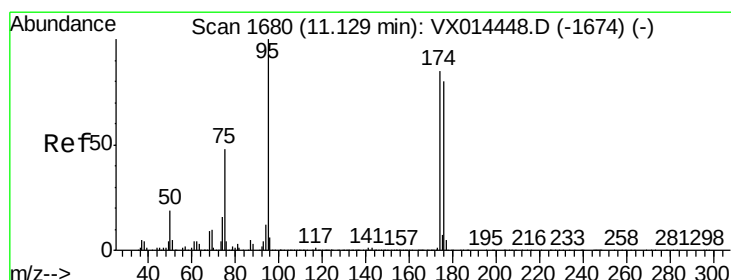
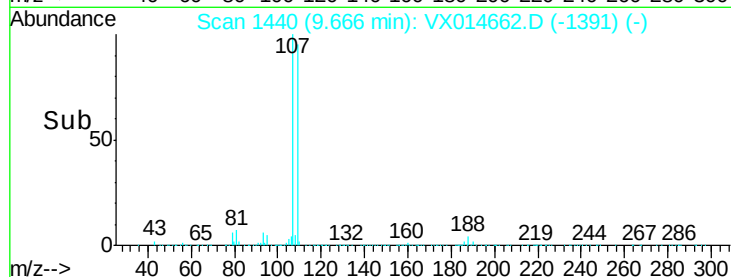
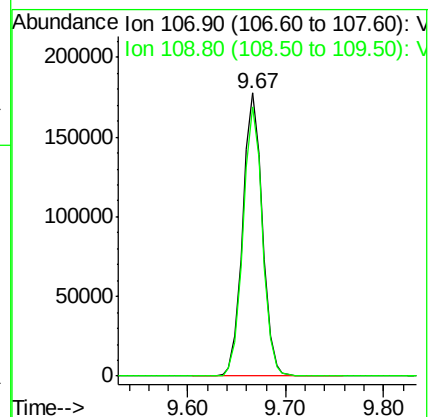
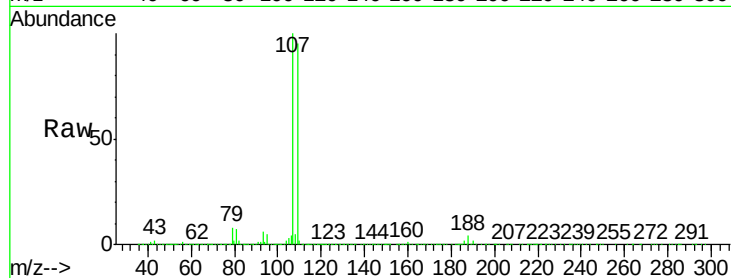
109 94.8 76.5 114.7

Manual Integrations

APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#62

4-Bromofluorobenzene

Concen: 50.315 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

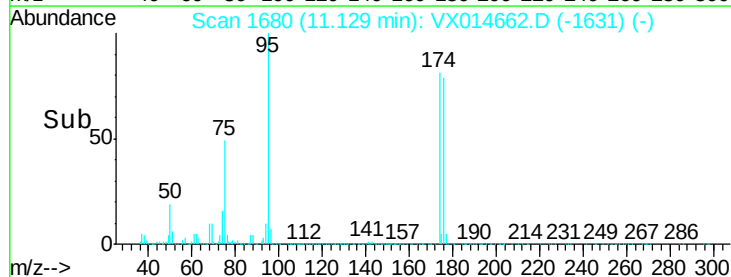
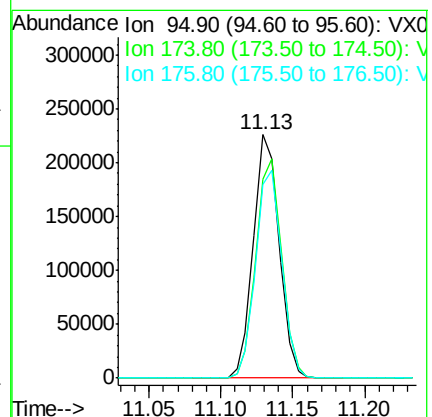
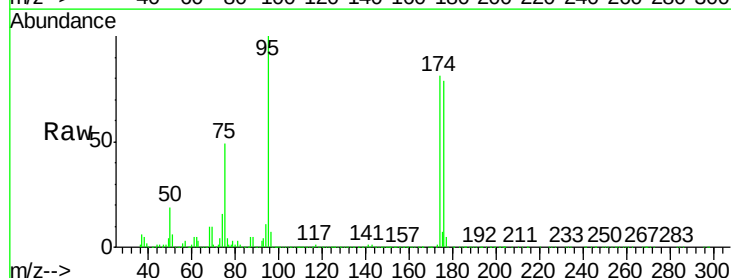
Tgt Ion: 95 Resp: 279507

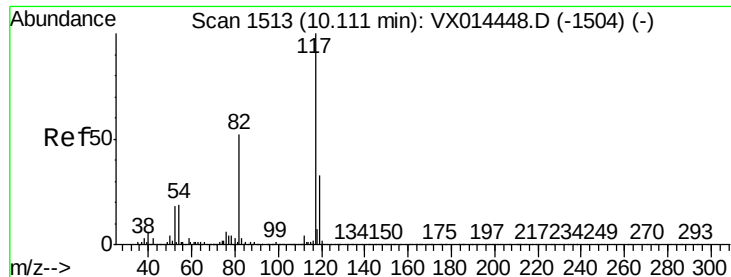
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.8

176 86.7 0.0 172.8





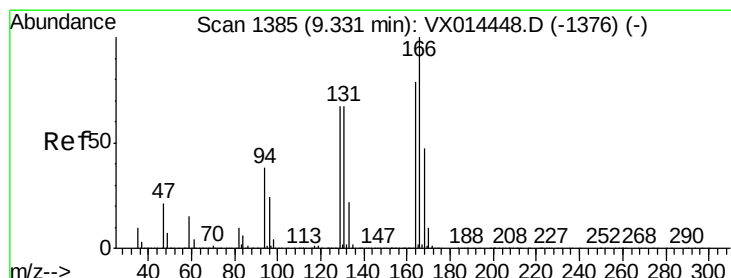
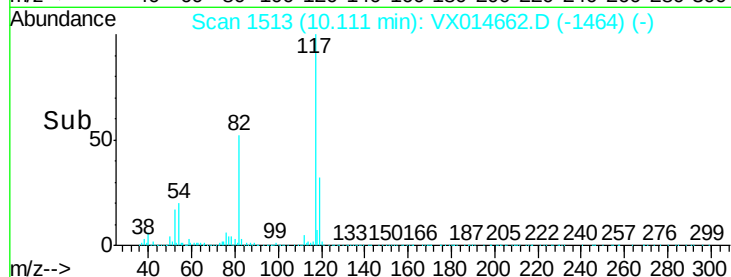
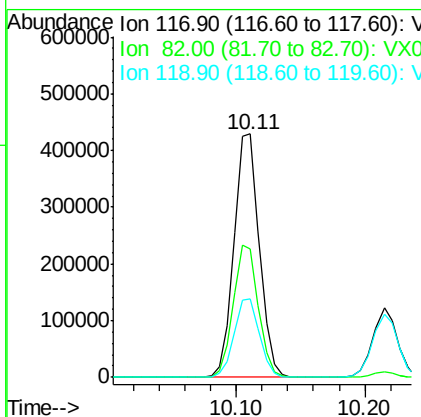
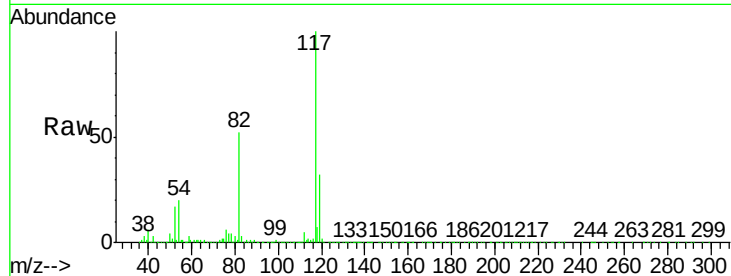
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	32.3	26.2	39.4

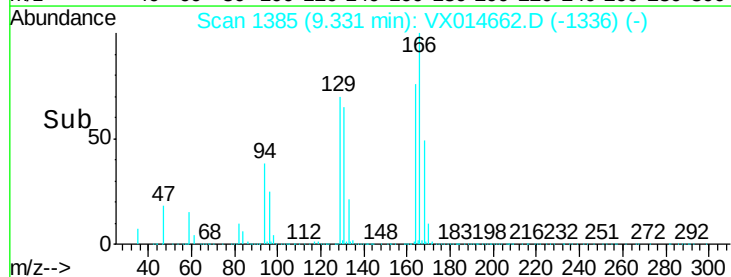
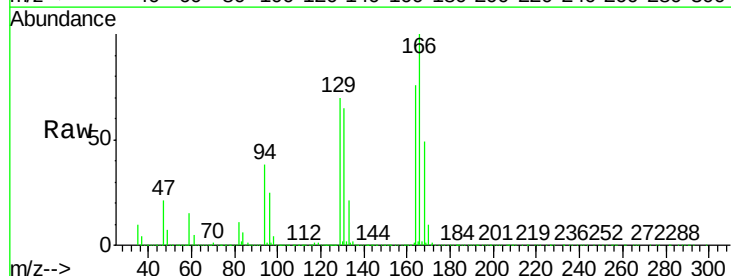
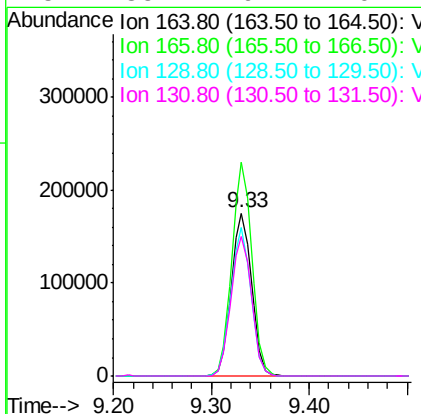
Manual Integrations
APPROVED

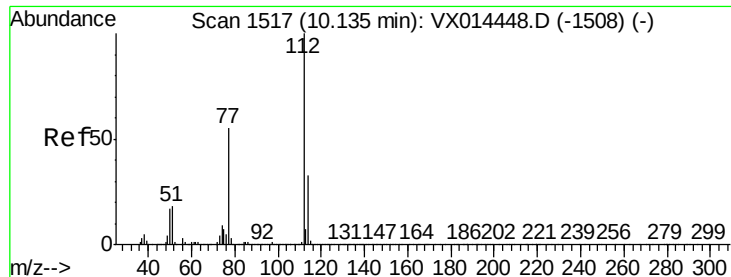
MMDadoda
1/20/2020 11:19:29 AM



#64
Tetrachloroethene
Concen: 42.754 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	101.2	151.8
129	91.4	68.3	102.5
131	85.4	67.4	101.2





#65

Chlorobenzene

Concen: 48.431 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 618865

Ion Ratio Lower Upper

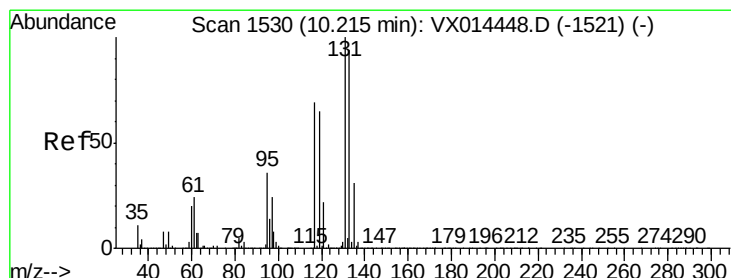
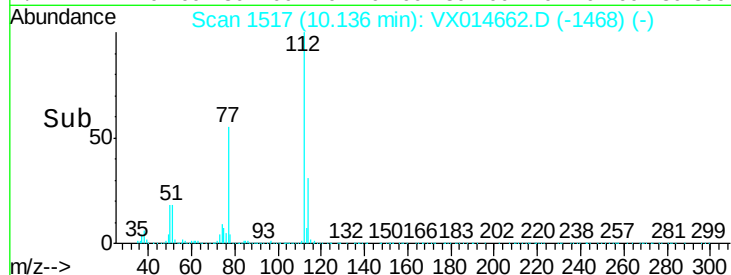
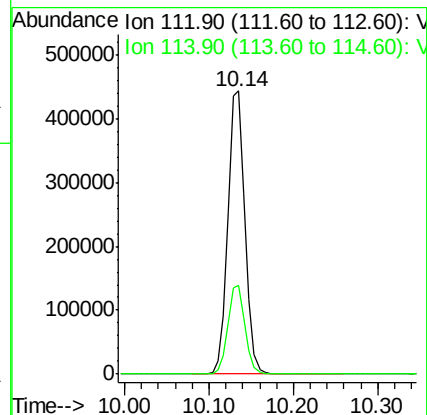
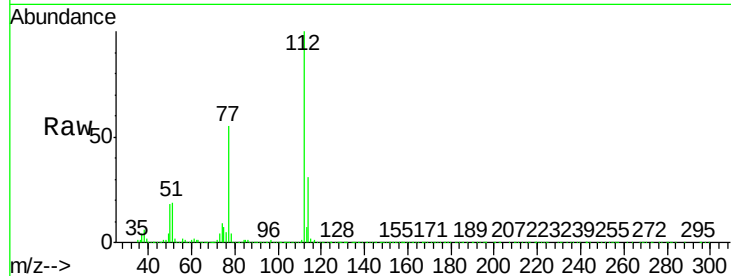
112 100

114 31.3 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 50.219 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

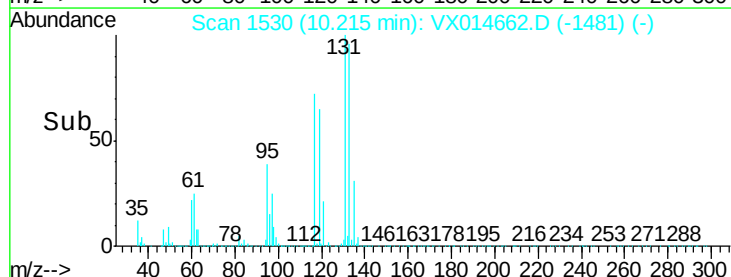
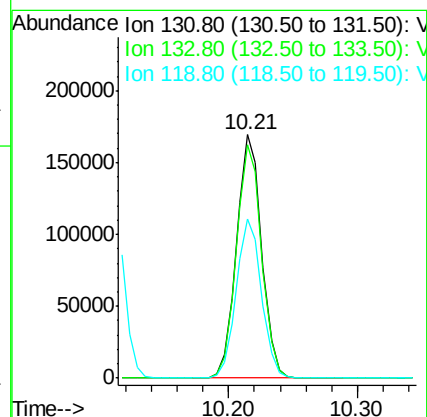
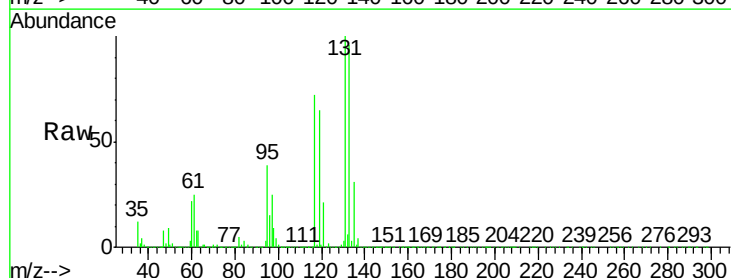
Tgt Ion:131 Resp: 229010

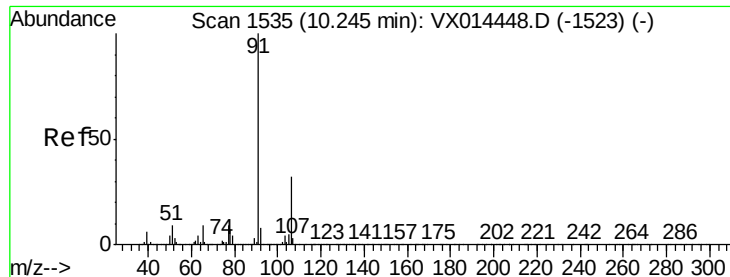
Ion Ratio Lower Upper

131 100

133 96.7 47.3 142.0

119 66.0 32.8 98.4





#67

Ethyl Benzene

Concen: 50.708 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1104437

Ion Ratio Lower Upper

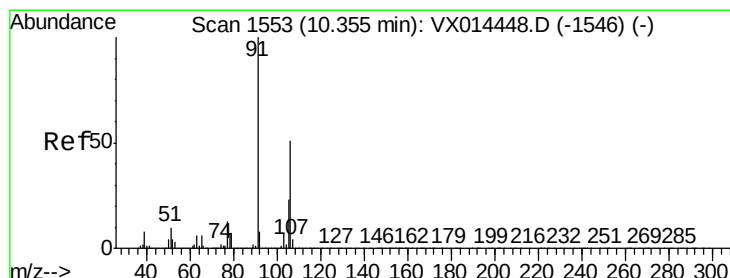
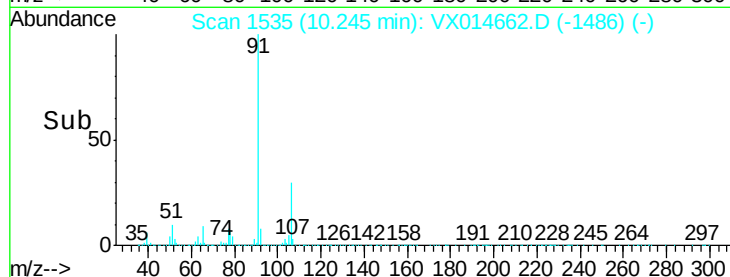
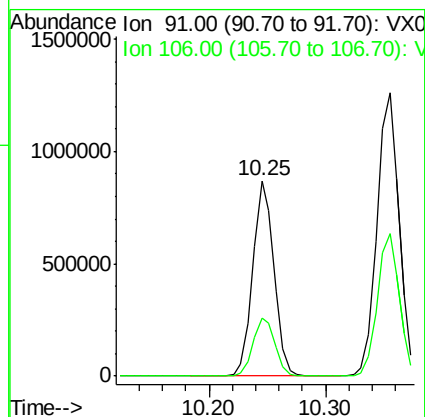
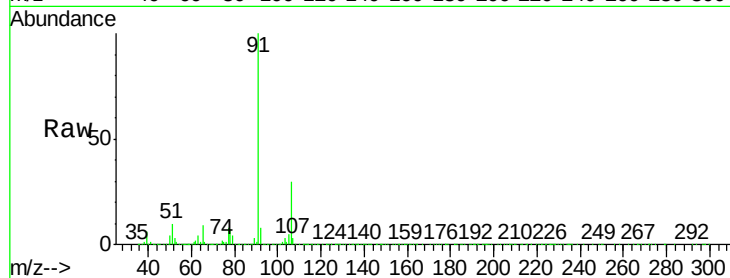
91 100

106 30.0 25.6 38.4

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#68

m/p-Xylenes

Concen: 99.506 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014662.D

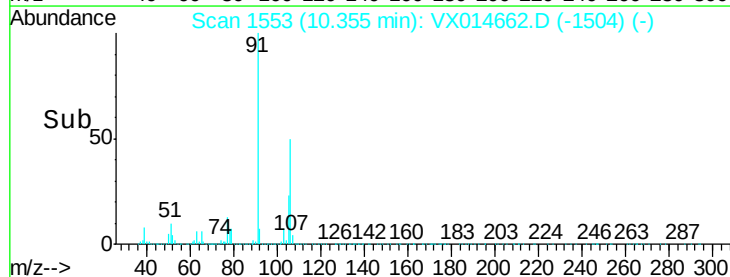
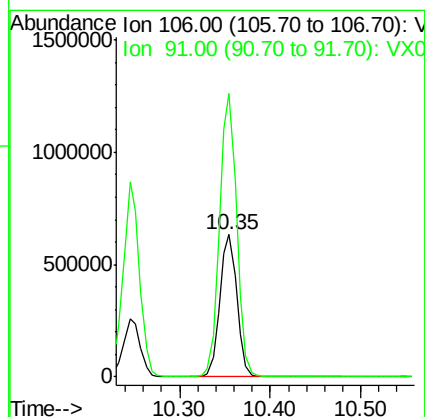
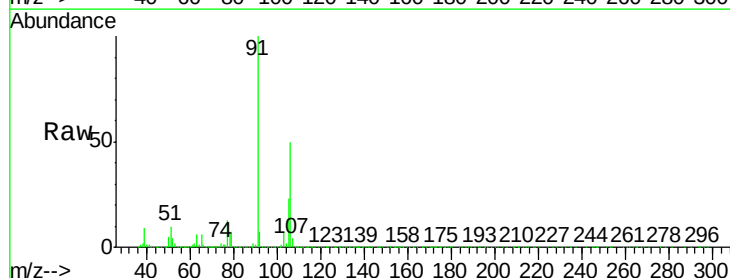
Acq: 17 Jan 2020 18:04

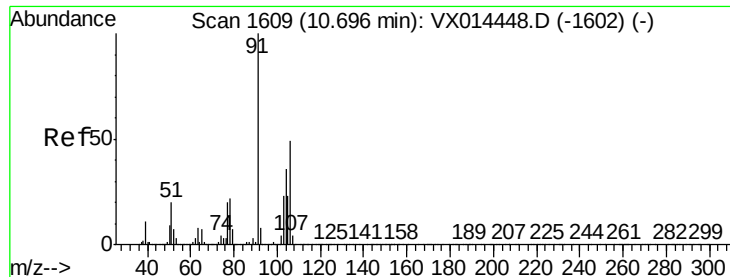
Tgt Ion: 106 Resp: 836117

Ion Ratio Lower Upper

106 100

91 199.1 157.4 236.0





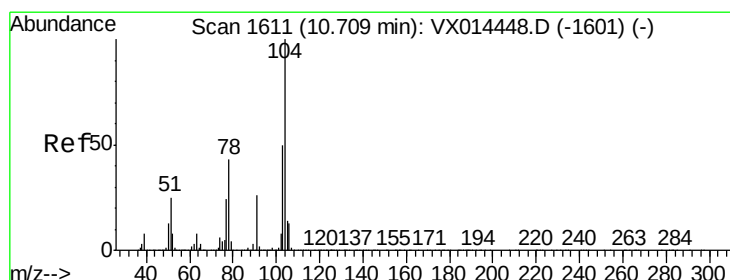
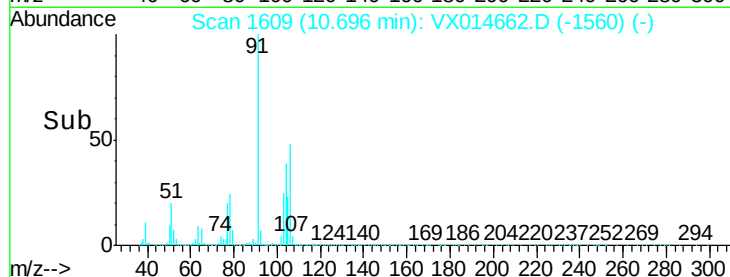
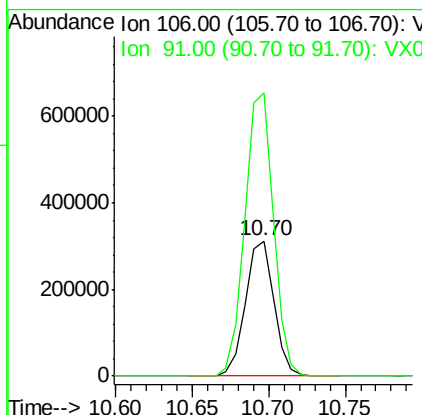
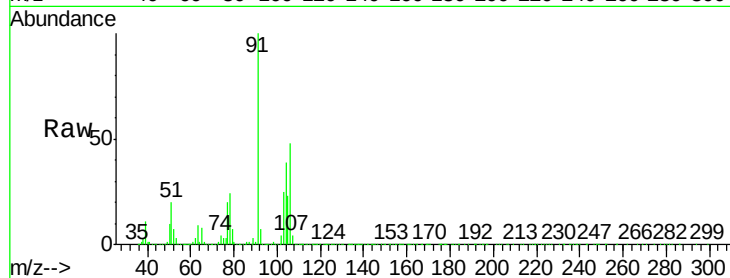
#69
o-Xylene
Concen: 50.286 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	105.1	315.1

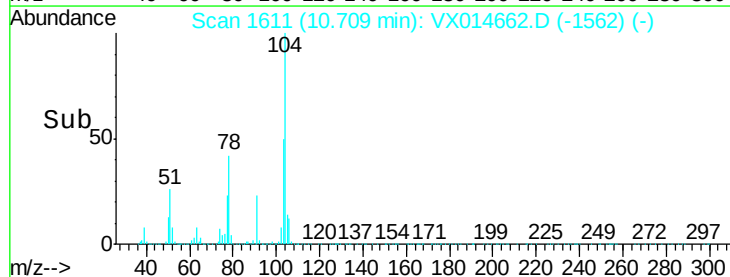
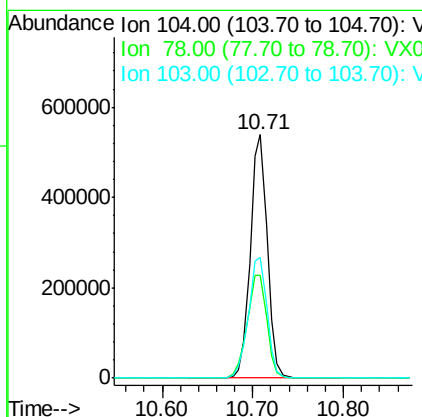
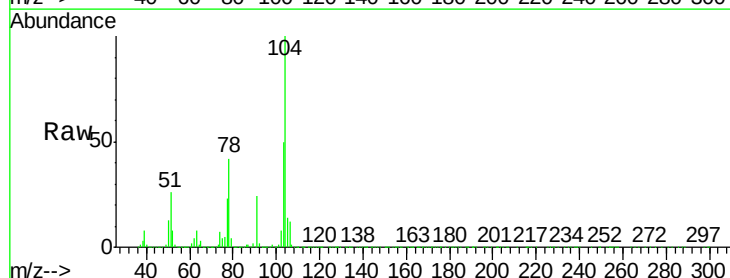
Manual Integrations
APPROVED

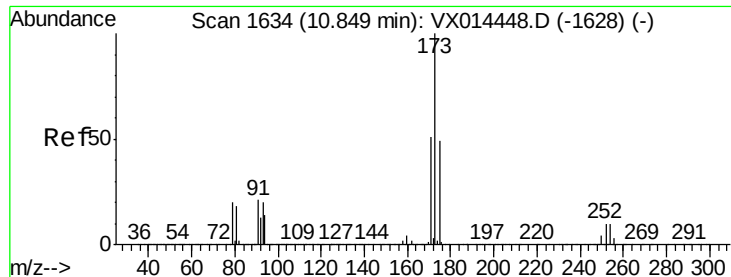
MMDadoda
1/20/2020 11:19:29 AM



#70
Styrene
Concen: 50.362 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.6	58.0
103	54.9	43.7	65.5





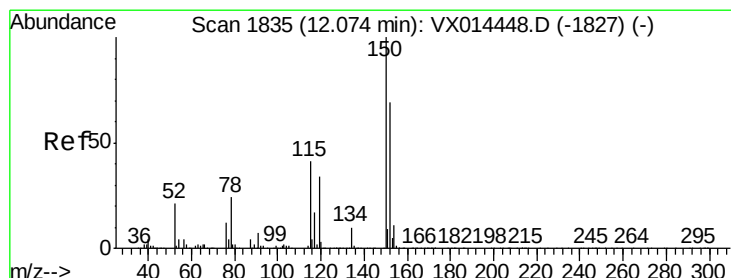
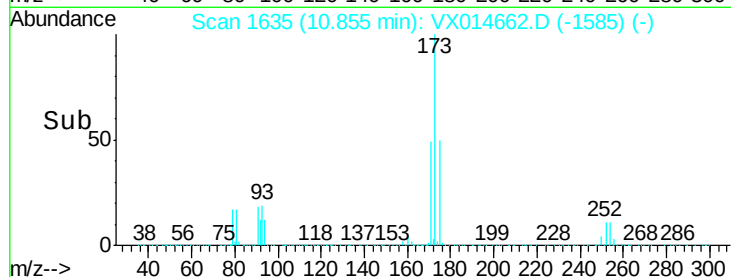
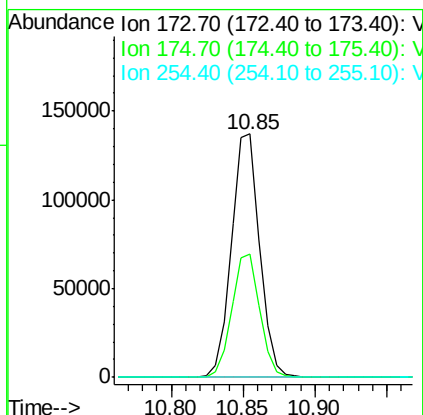
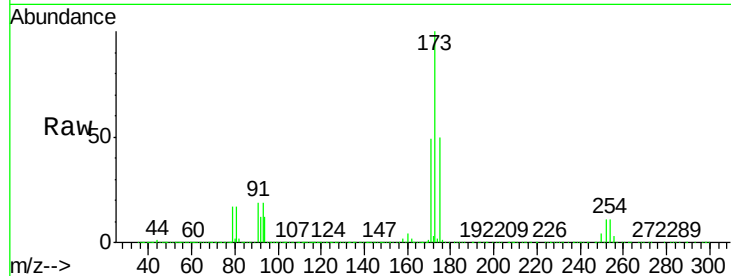
#71
Bromoform
Concen: 50.432 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.3	72.8
254	0.2	0.2	0.2

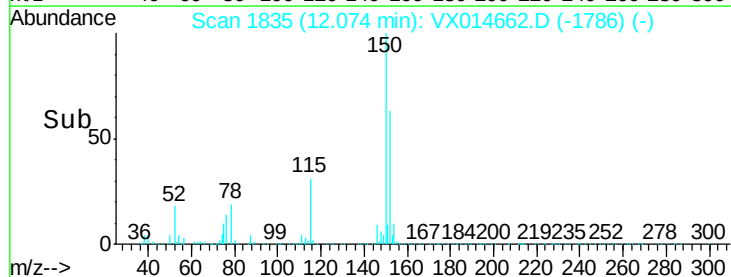
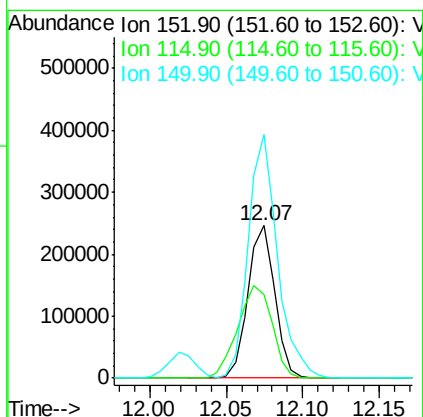
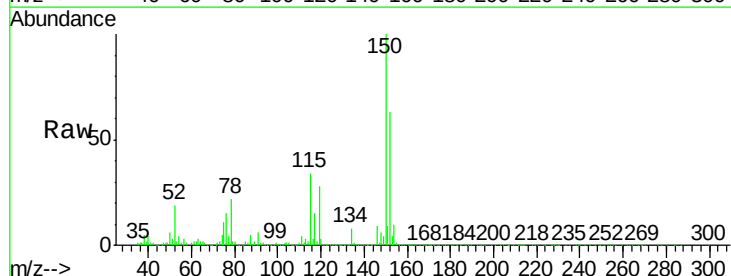
Manual Integrations
APPROVED

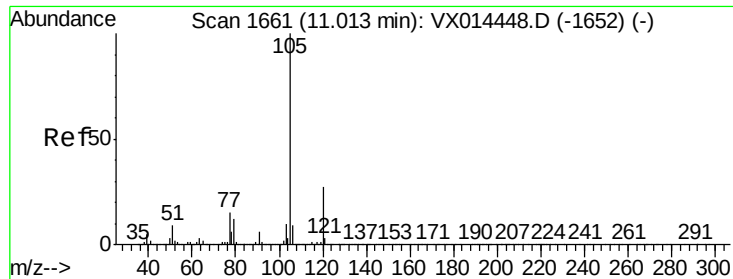
MMDadoda
1/20/2020 11:19:29 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	39.5	118.3
150	174.0	0.0	350.2





#73

Isopropylbenzene

Concen: 51.279 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 1078958

Ion Ratio Lower Upper

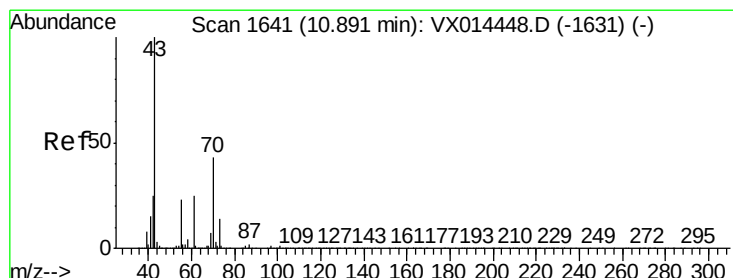
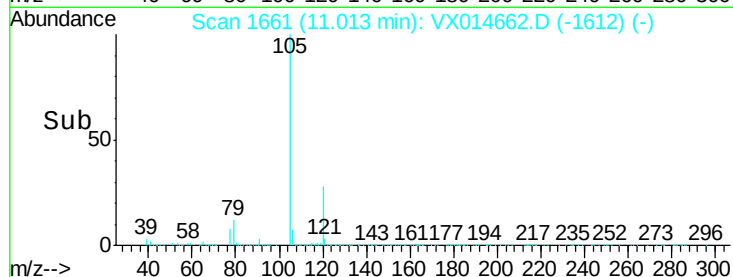
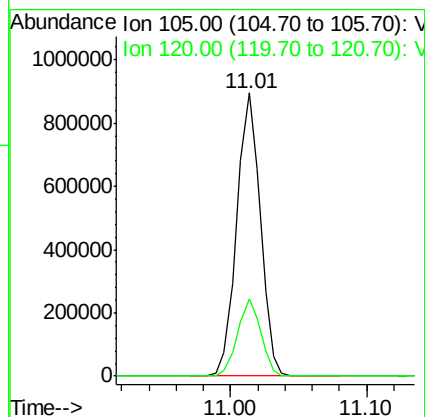
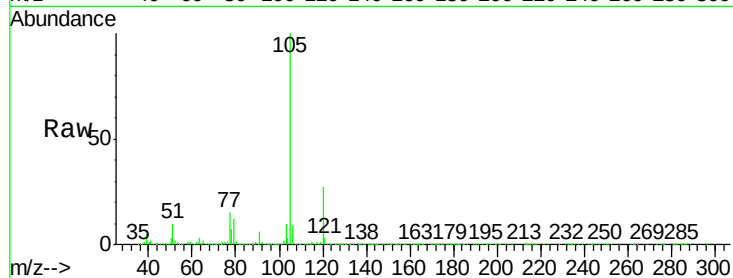
105 100

120 26.9 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#74

N-ethyl acetate

Concen: 53.087 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion: 43 Resp: 492806

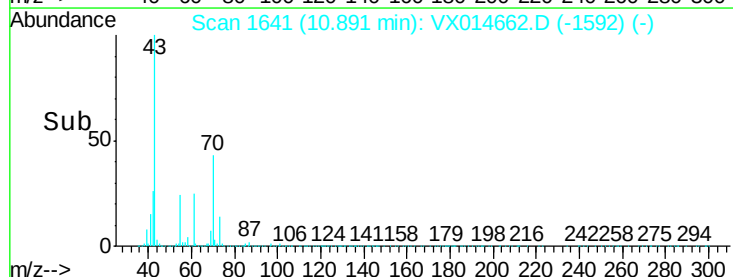
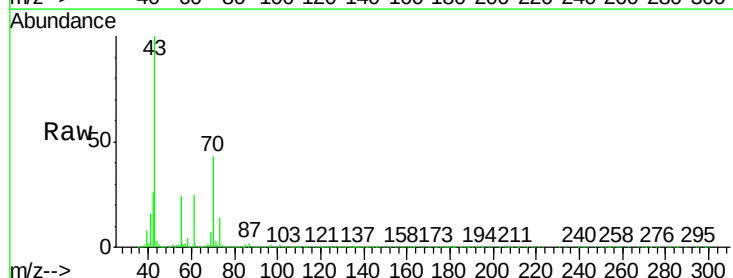
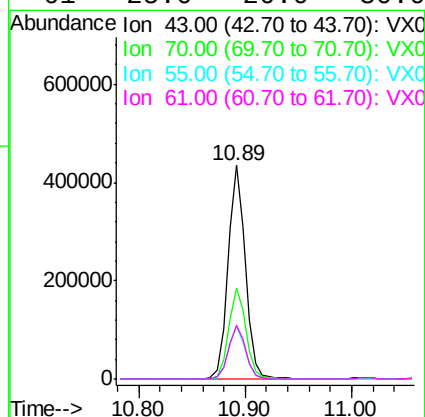
Ion Ratio Lower Upper

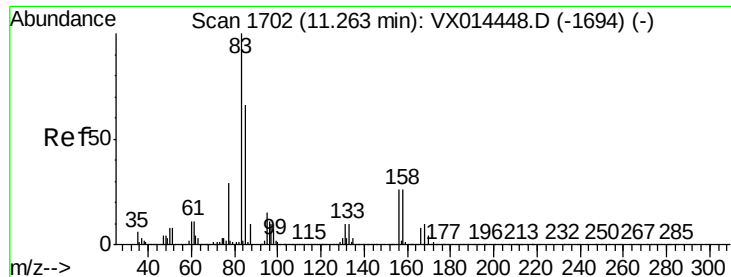
43 100

70 43.0 35.1 52.7

55 24.3 19.3 28.9

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.535 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

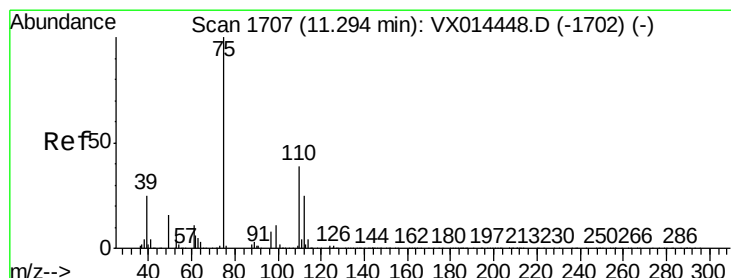
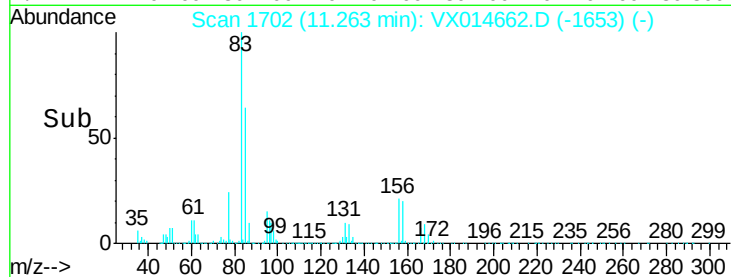
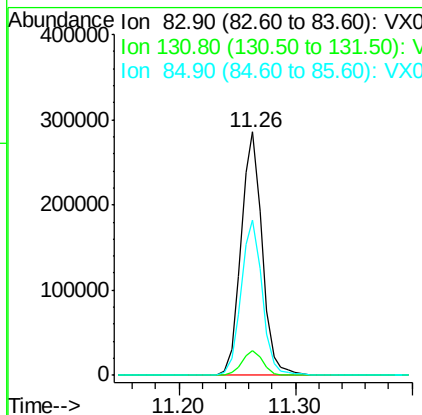
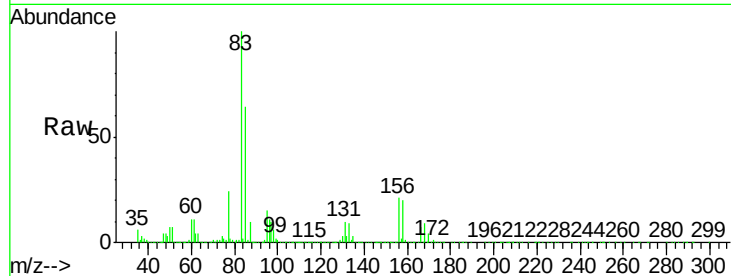
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	361241
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.4
85	64.6	32.5	97.4

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#76

1,2,3-Trichloropropane

Concen: 48.982 ug/l m

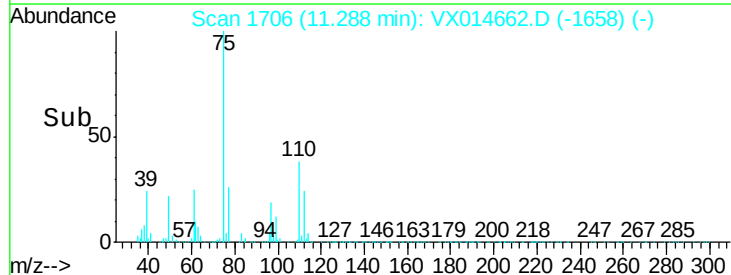
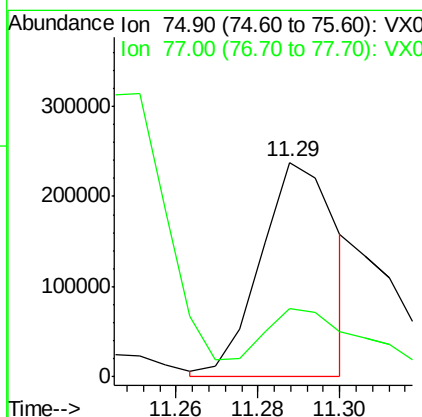
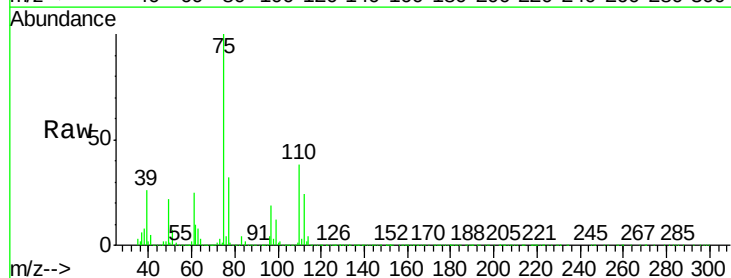
RT: 11.29 min Scan# 1706

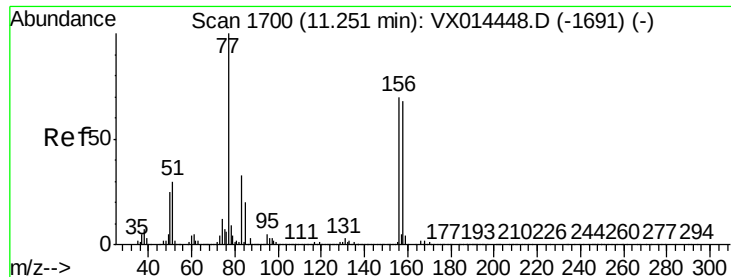
Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	75	Resp:	303665
Ion Ratio	Lower	Upper	
75	100		
77	44.7	21.9	65.7





#77

Bromobenzene

Concen: 47.798 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

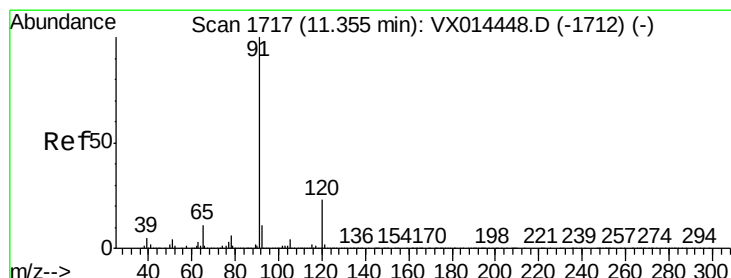
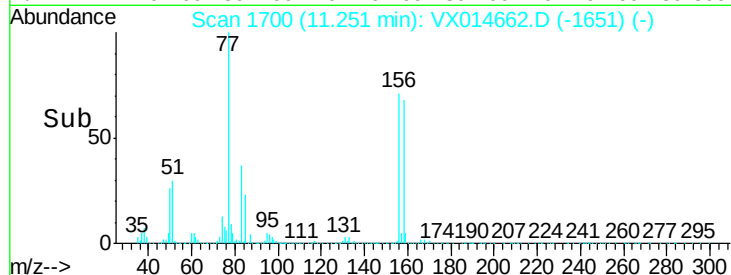
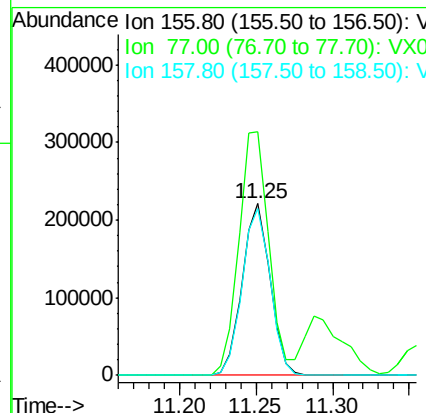
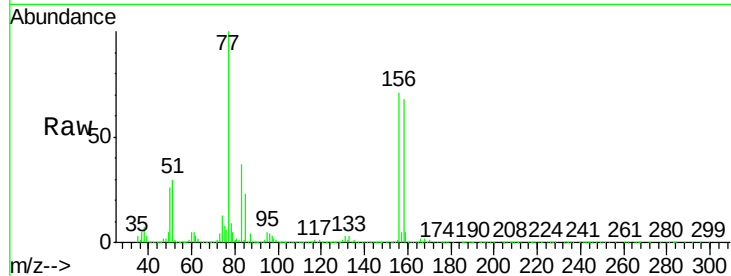
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	278908
Ion Ratio	Lower	Upper	
156	100		
77	151.3	75.4	226.3
158	98.0	48.8	146.3

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#78

n-propylbenzene

Concen: 51.045 ug/l

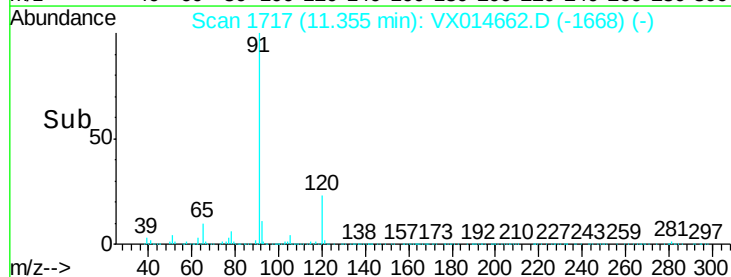
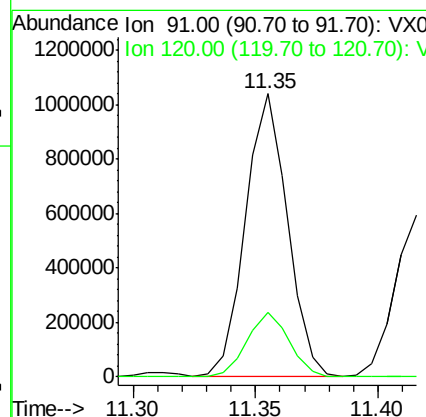
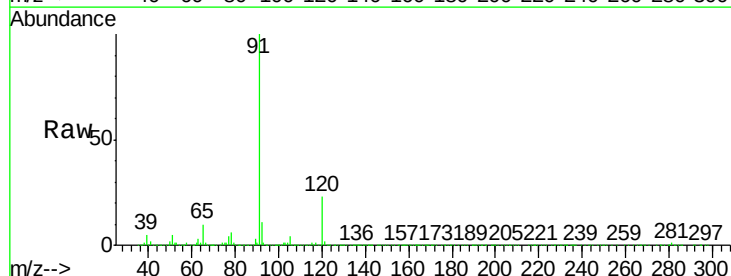
RT: 11.35 min Scan# 1717

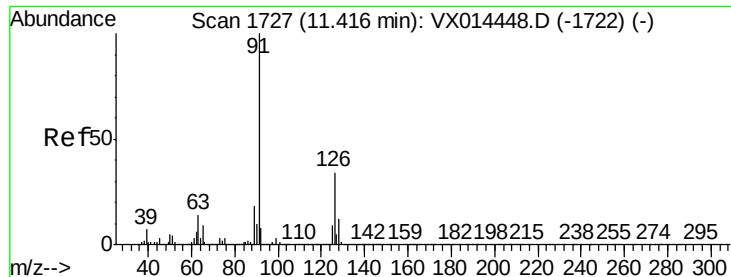
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion:	91	Resp:	1230043
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.458 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 724671

Ion Ratio Lower Upper

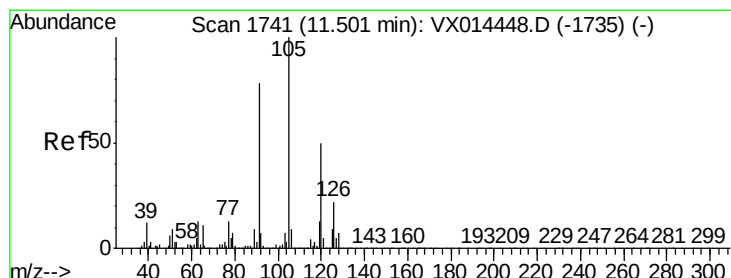
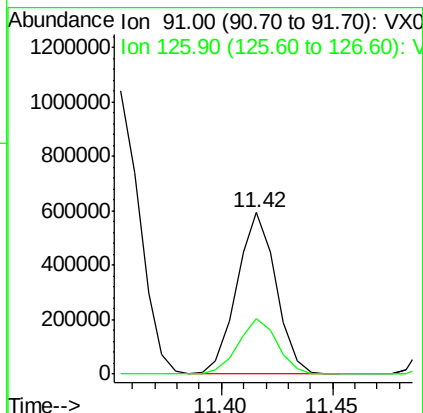
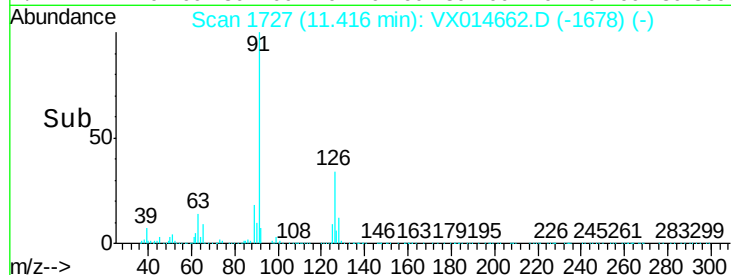
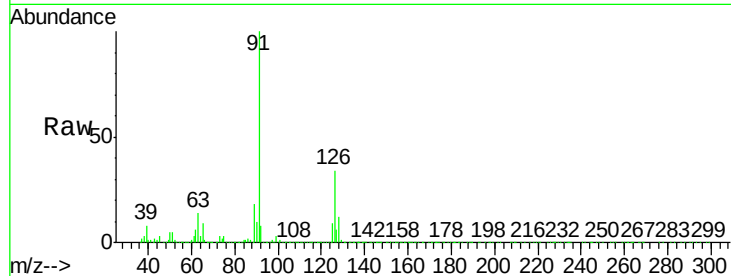
91 100

126 34.5 17.5 52.5

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.626 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014662.D

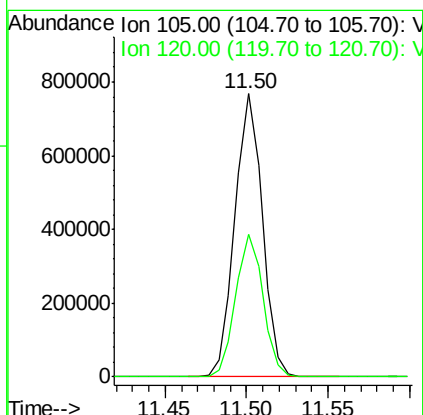
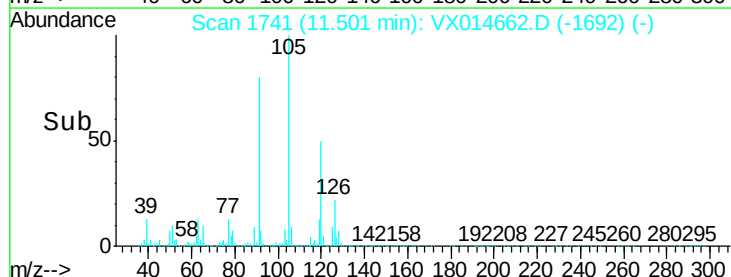
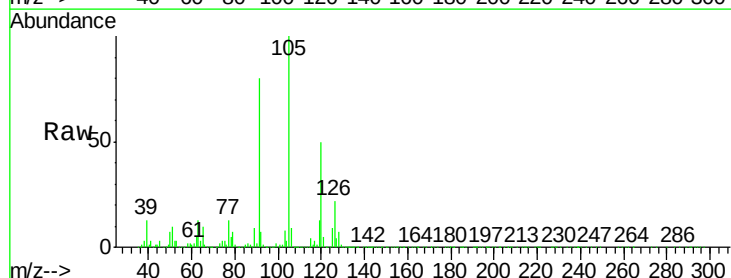
Acq: 17 Jan 2020 18:04

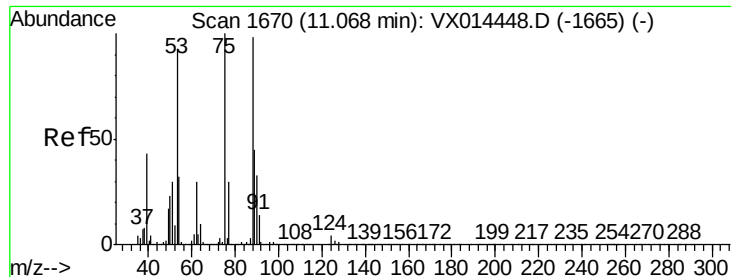
Tgt Ion: 105 Resp: 901865

Ion Ratio Lower Upper

105 100

120 50.3 25.2 75.6





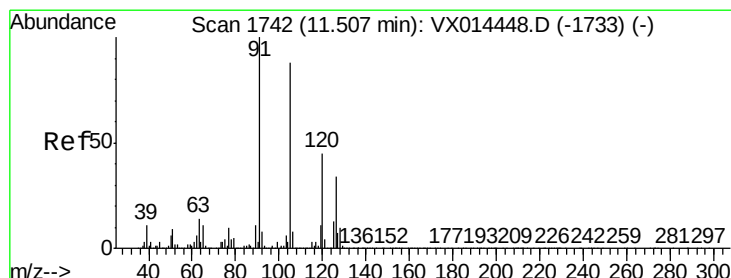
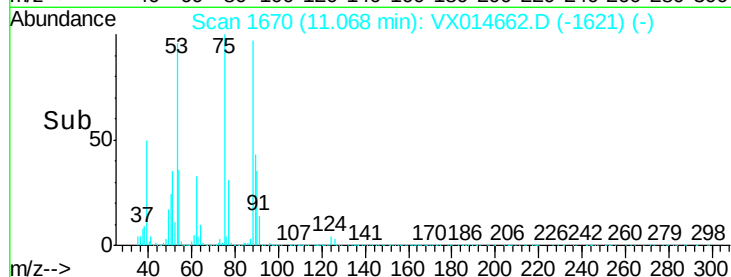
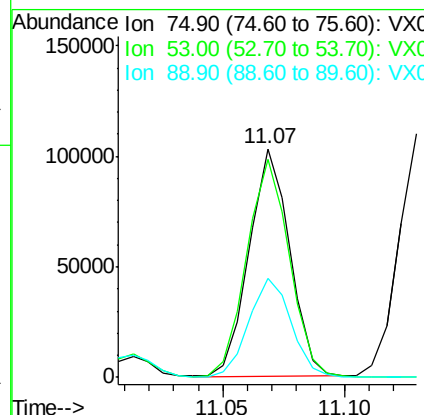
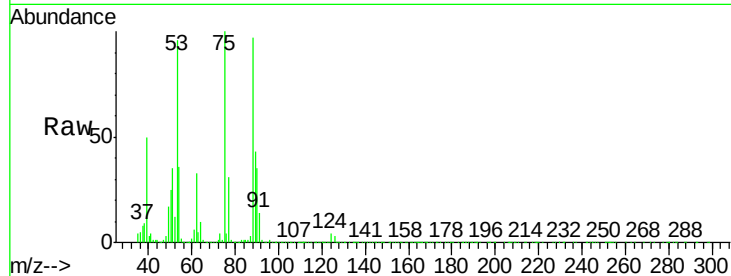
#81
trans-1,4-Dichloro-2-butene
Concen: 50.624 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.6	74.8	112.2
89	45.6	36.3	54.5

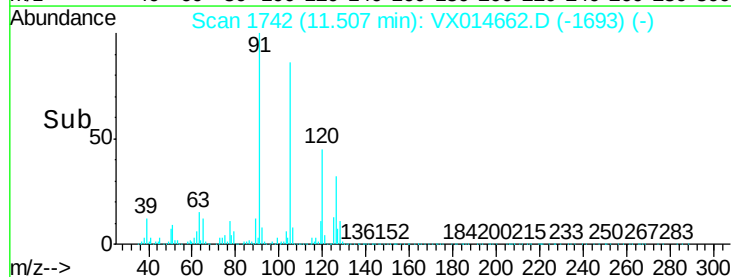
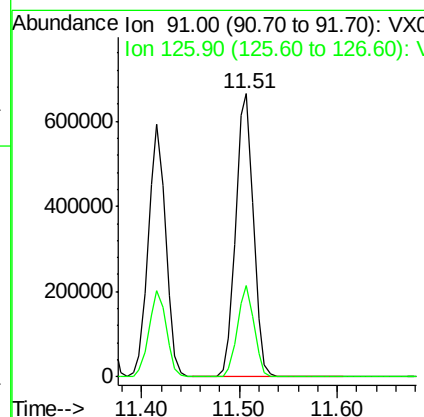
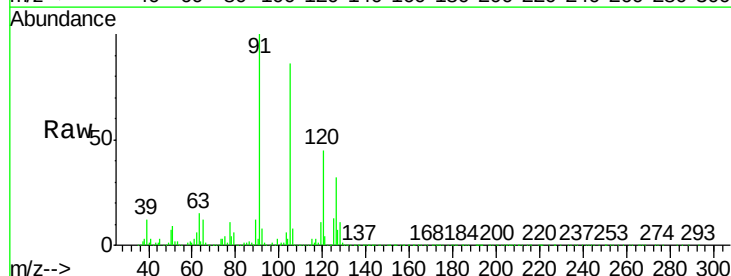
Manual Integrations
APPROVED

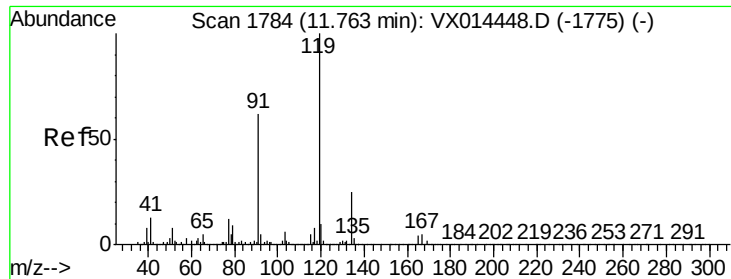
MMDadoda
1/20/2020 11:19:29 AM



#82
4-Chlorotoluene
Concen: 49.587 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.9	47.7





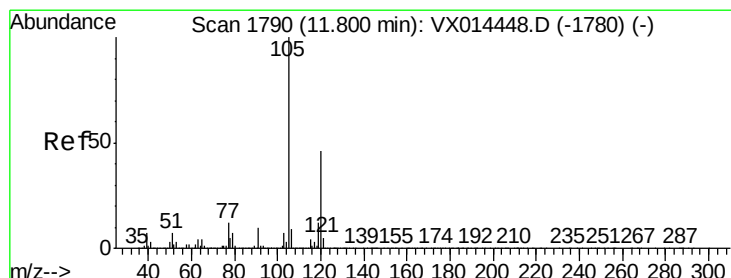
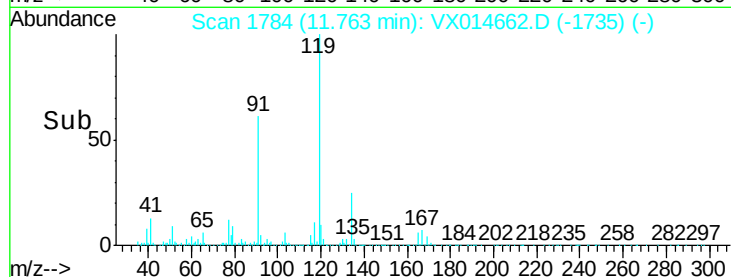
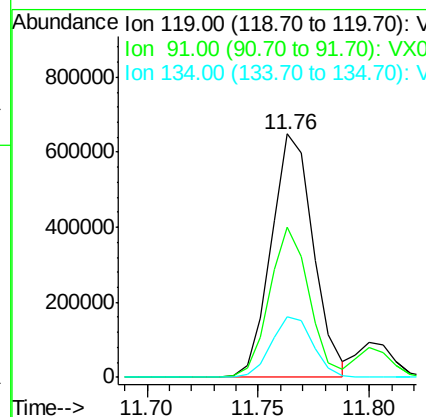
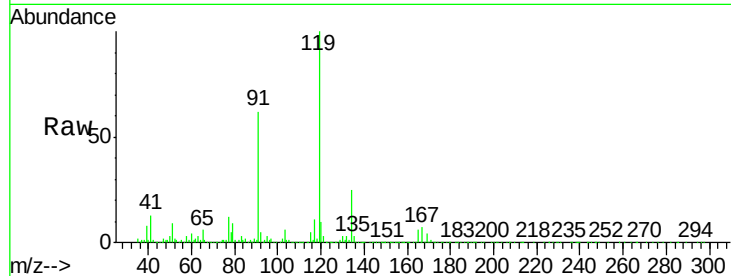
#83
 tert-Butylbenzene
 Concen: 51.467 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	849508		
91	58.1	29.3	88.0	
134	24.5	12.4	37.4	

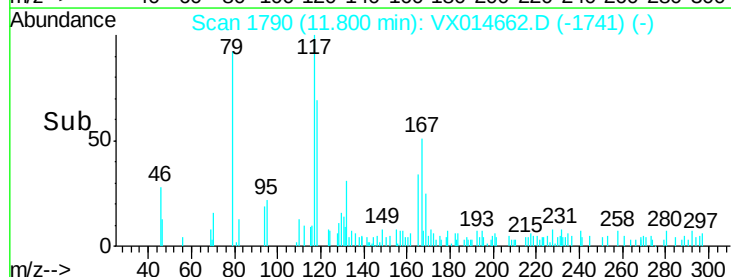
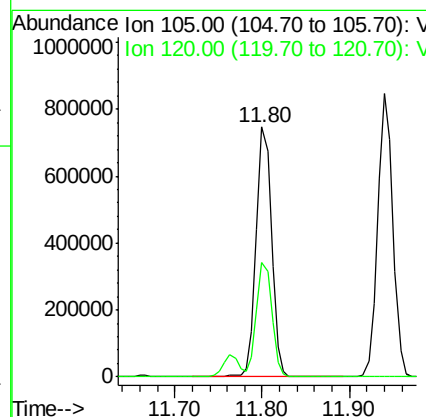
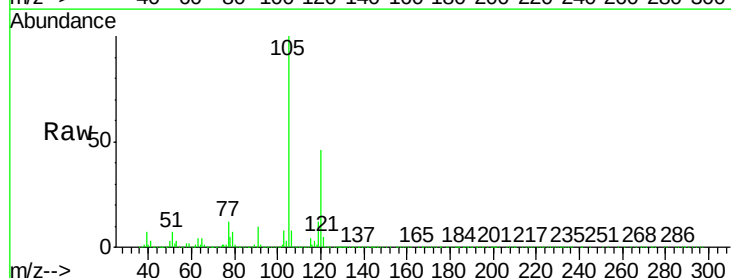
Manual Integrations
 APPROVED

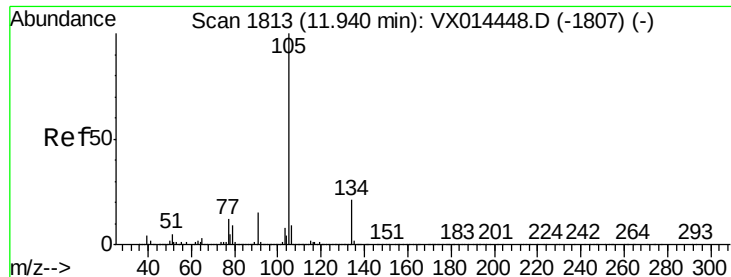
MMDadoda
 1/20/2020 11:19:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.458 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	908323		
120	45.4	23.1	69.3	





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1032706

Ion Ratio Lower Upper

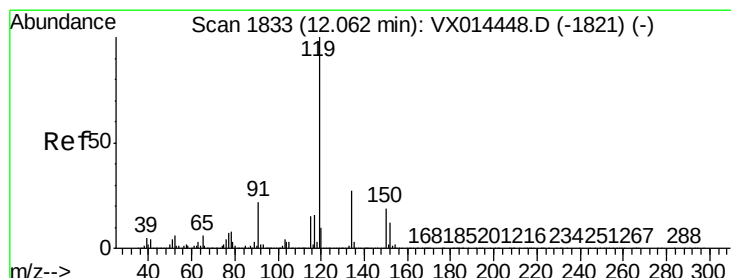
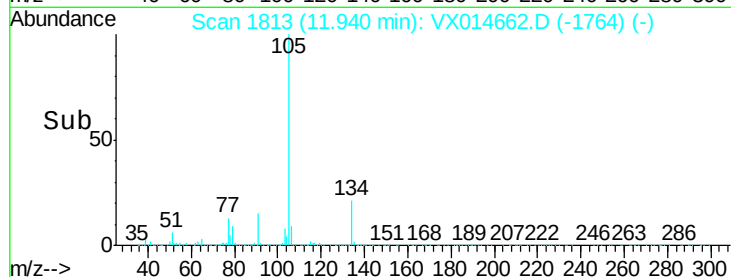
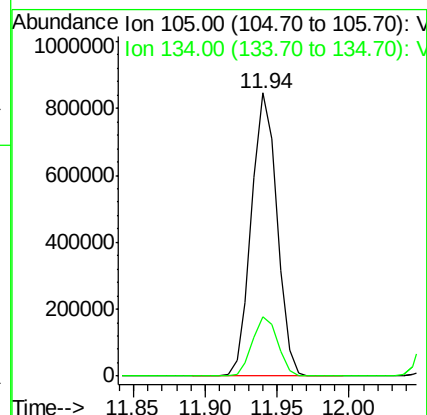
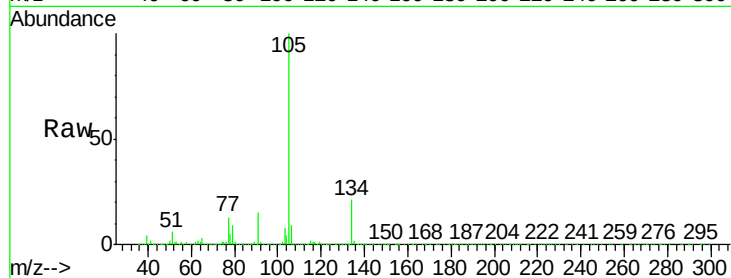
105 100

134 21.0 10.5 31.5

Manual Integrations
APPROVED

MMDadoda

1/20/2020 11:19:29 AM



#86

p-Isopropyltoluene

Concen: 50.619 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

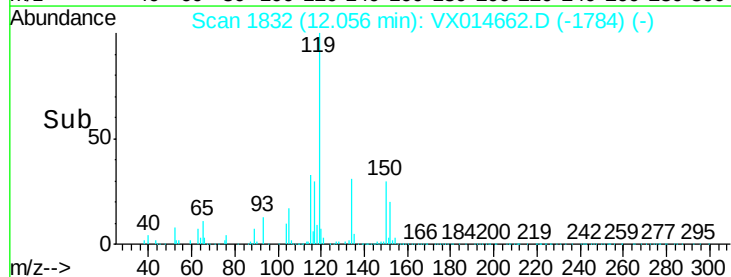
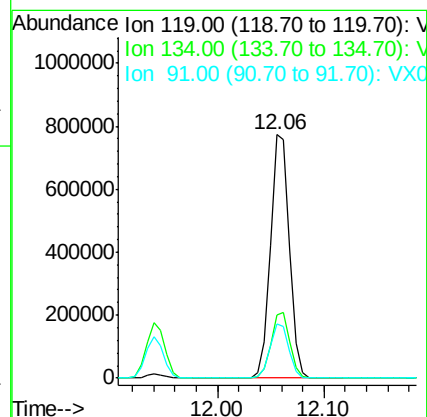
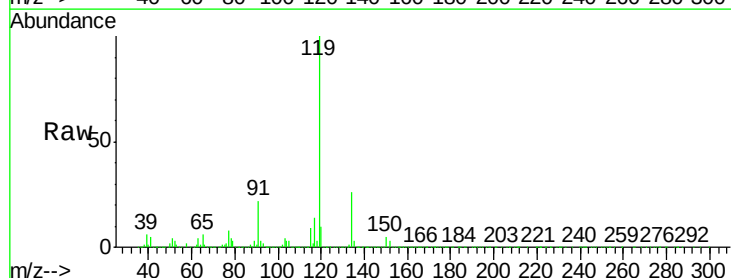
Tgt Ion:119 Resp: 963830

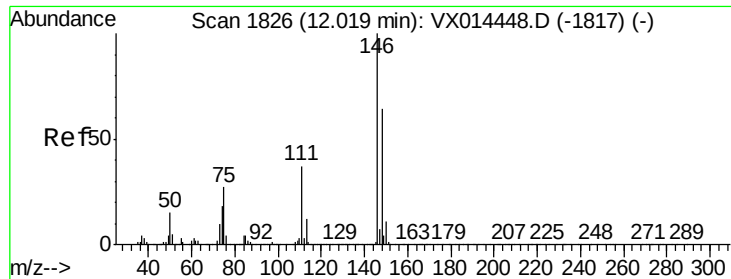
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 47.637 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

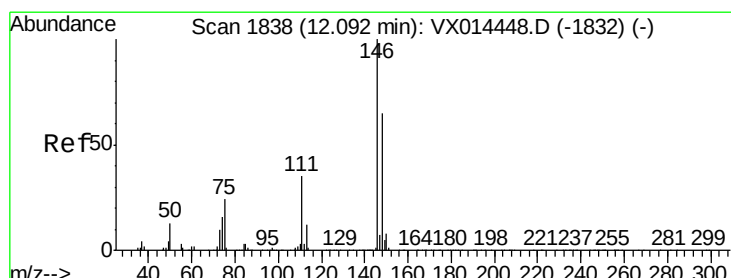
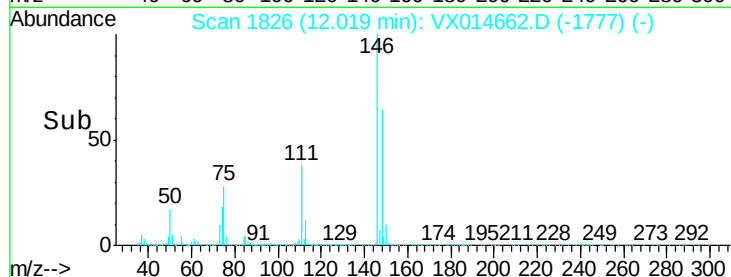
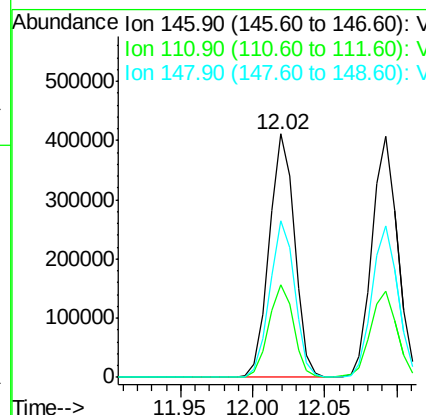
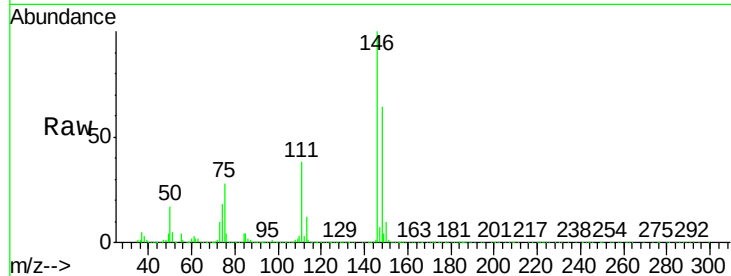
Instrument :
MSVOA_X

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.7
148	63.6	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#88

1,4-Dichlorobenzene

Concen: 49.877 ug/l

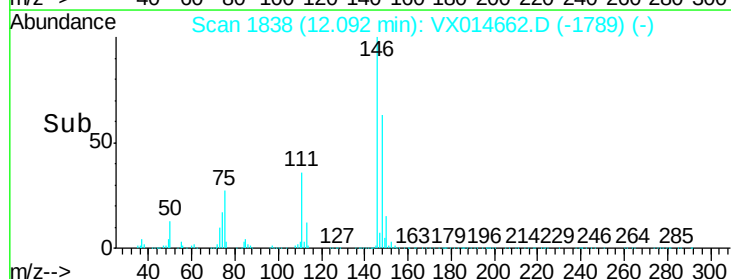
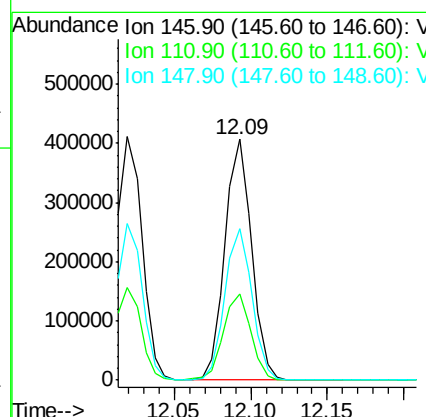
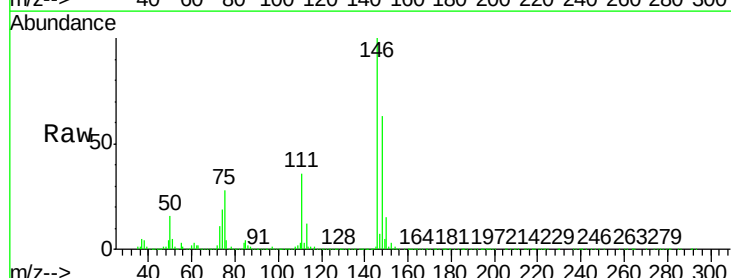
RT: 12.09 min Scan# 1838

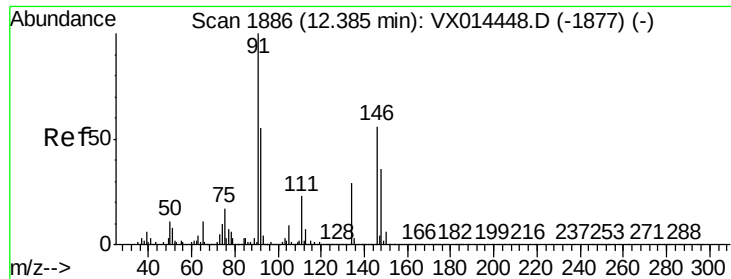
Delta R.T. 0.00 min

Lab File: VX014662.D

Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	64.1	32.1	96.3





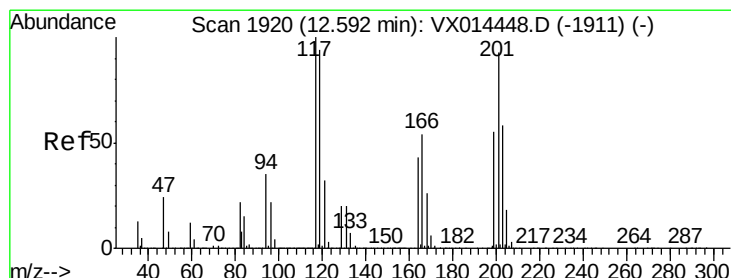
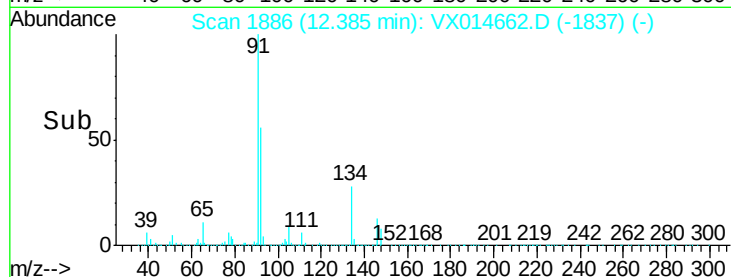
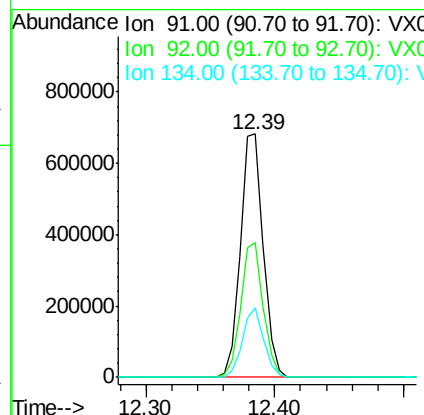
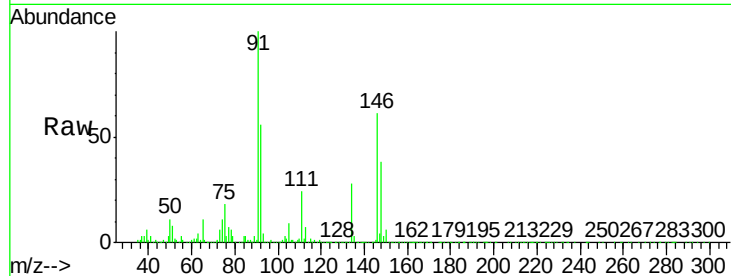
#89
n-Butylbenzene
Concen: 48.271 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.4	82.2
134	26.7	13.9	41.7

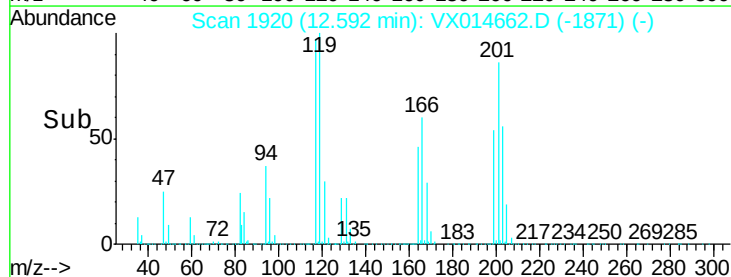
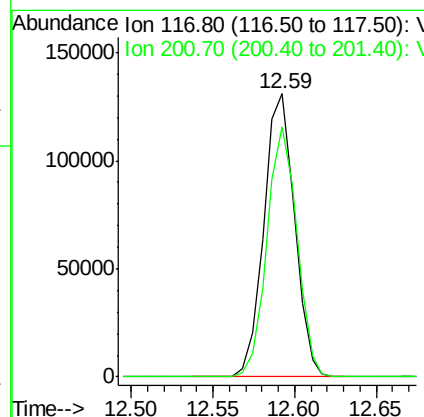
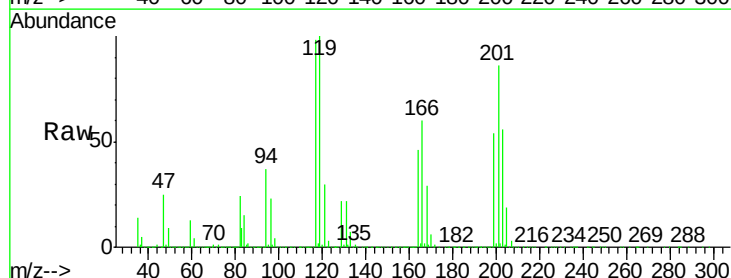
Manual Integrations
APPROVED

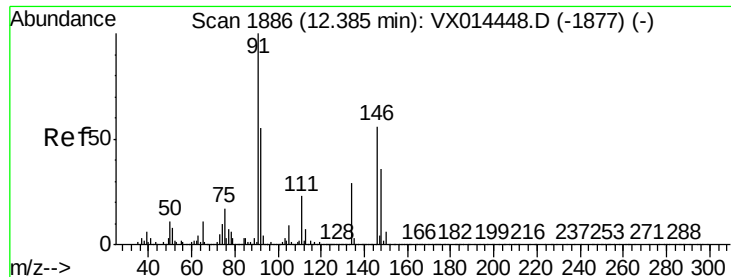
MMDadoda
1/20/2020 11:19:29 AM



#90
Hexachloroethane
Concen: 51.113 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	44.8	134.3





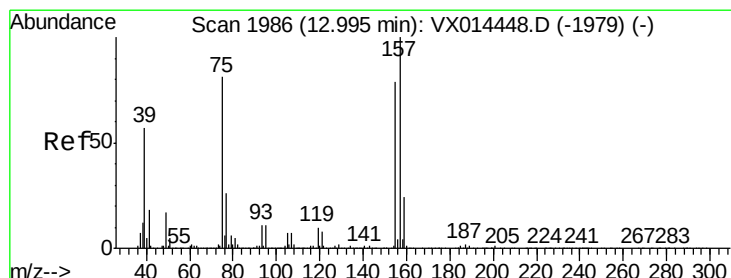
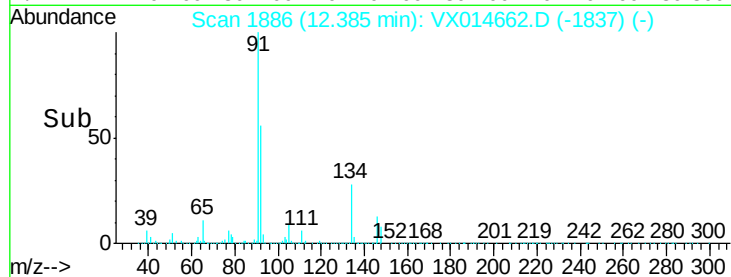
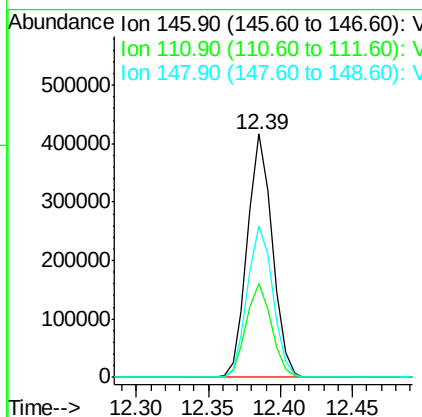
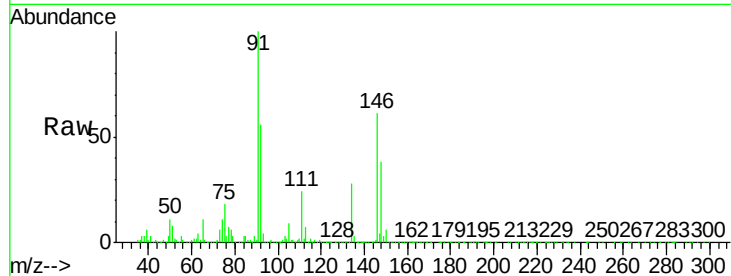
#91
 1,2-Dichlorobenzene
 Concen: 48.593 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.9	32.3	96.8

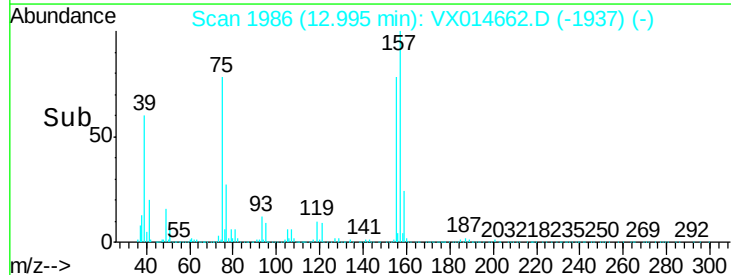
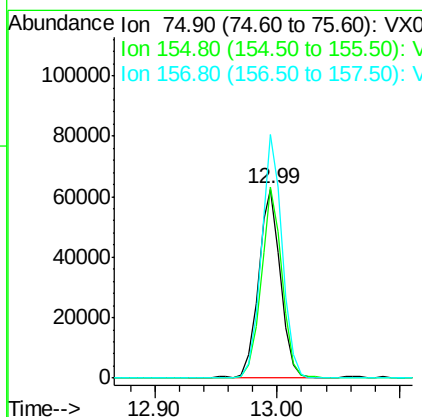
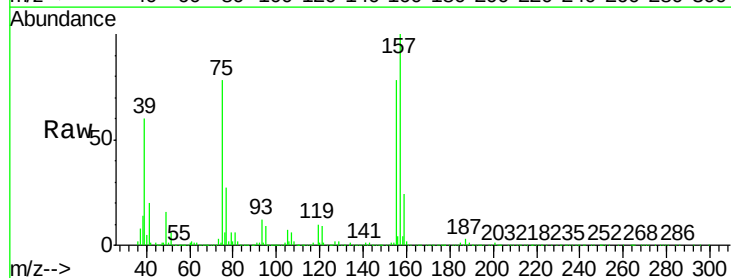
Manual Integrations
 APPROVED

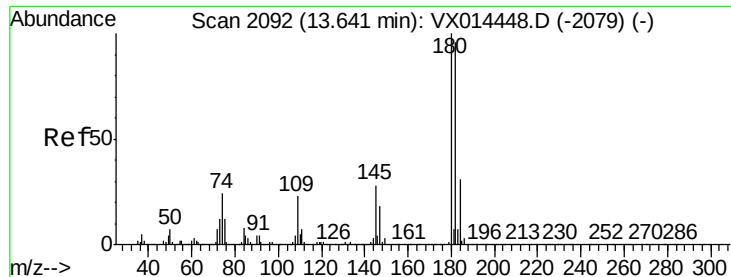
MMDadoda
 1/20/2020 11:19:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.890 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VX014662.D
 Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	48.7	146.1
157	120.9	62.0	185.9





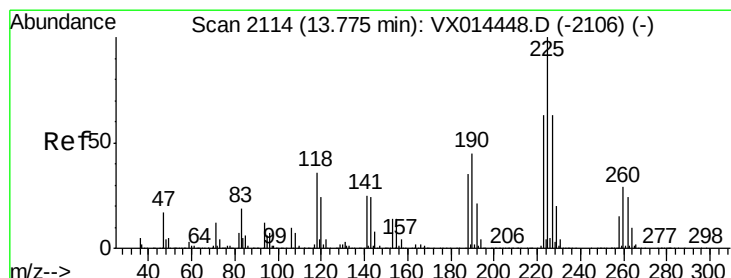
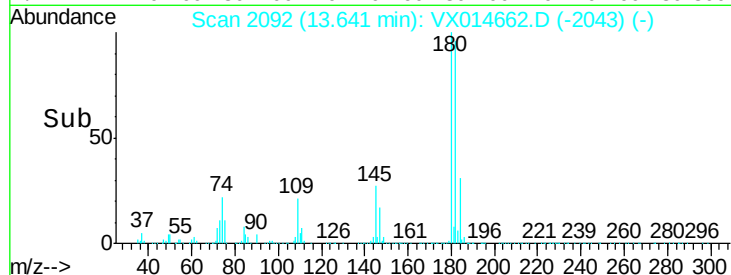
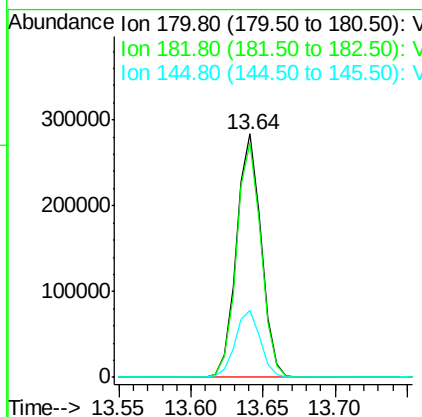
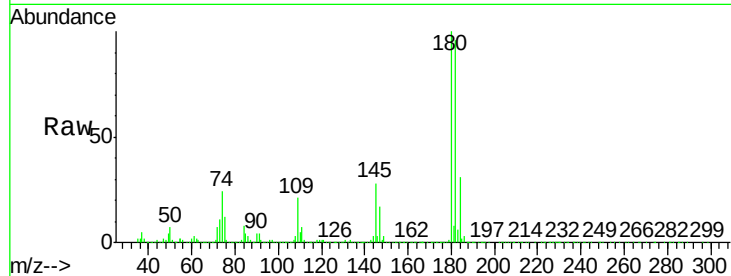
#93
1,2,4-Trichlorobenzene
Concen: 47.124 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339377		
182	95.8	47.5	142.5	
145	27.9	13.9	41.6	

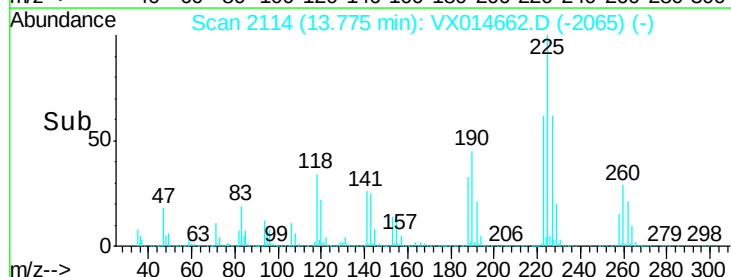
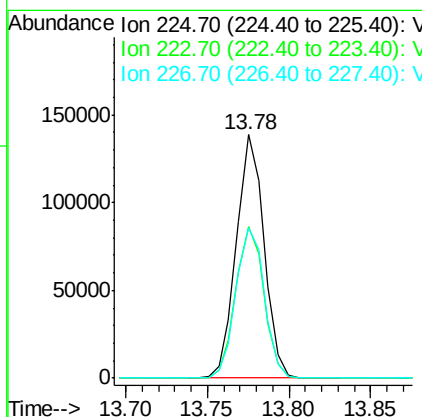
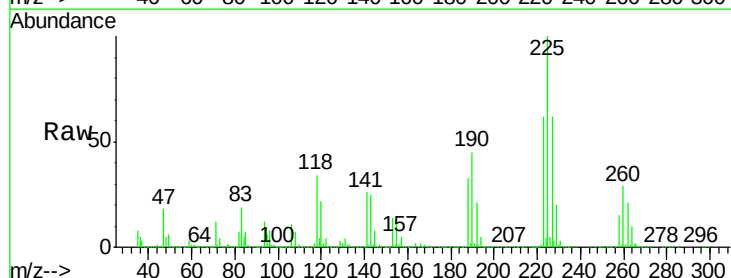
Manual Integrations
APPROVED

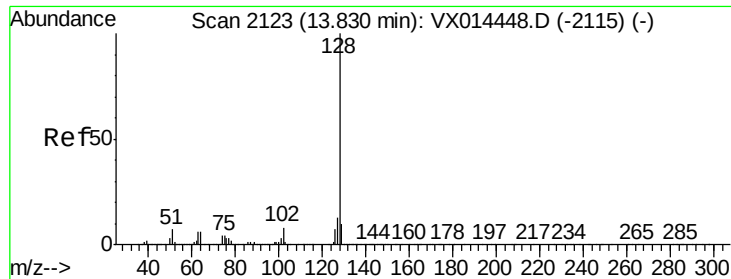
MMDadoda
1/20/2020 11:19:29 AM



#94
Hexachlorobutadiene
Concen: 48.723 ug/l
RT: 13.78 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164317		
223	63.7	31.1	93.2	
227	63.8	31.4	94.2	





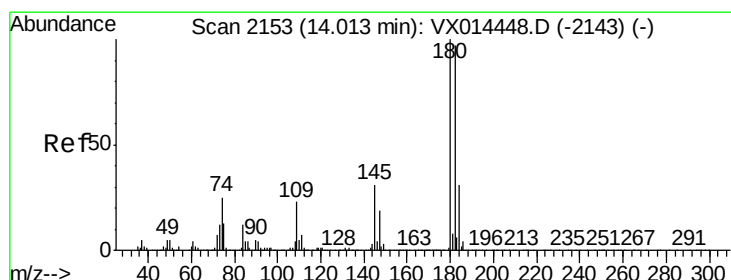
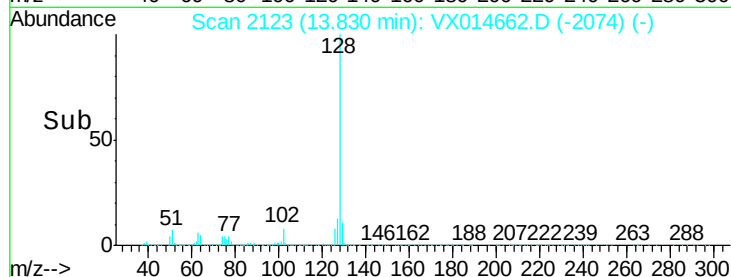
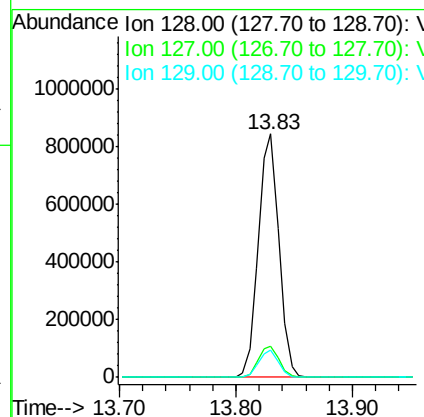
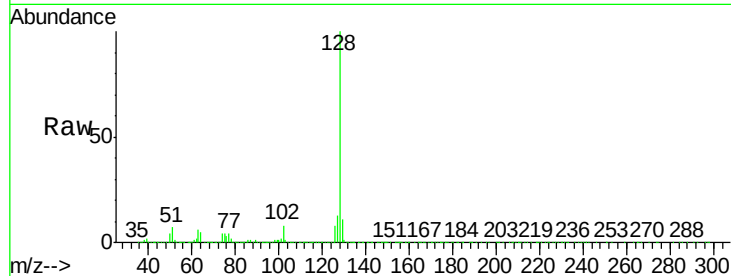
#95
Naphthalene
Concen: 46.581 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/20/2020 11:19:29 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.508 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014662.D
Acq: 17 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.6
145	29.5	14.8	44.3

