

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020720\
 Data File : VX014862.D
 Acq On : 07 Feb 2020 10:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	72449	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	406185	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	368851	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	155655	30.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.90%
60) 4-Bromofluorobenzene	11.13	95	178878	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	8.71	98	490813	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	105631	21.097	ug/l 100
3) Chloromethane	1.32	50	100545	18.342	ug/l 96
4) Vinyl Chloride	1.40	62	118098	19.187	ug/l 100
5) Bromomethane	1.64	94	78459	20.427	ug/l 98
6) Chloroethane	1.72	64	66065	19.040	ug/l 99
7) Trichlorofluoromethane	1.93	101	148249	21.753	ug/l 100
8) Diethyl Ether	2.18	74	60490	20.320	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	86153	21.607	ug/l 96
10) 1,1-Dichloroethene	2.37	96	82627	20.602	ug/l 98
11) Methyl Iodide	2.51	142	103778	19.294	ug/l 98
12) Methyl Acetate	2.76	43	144353	19.924	ug/l 100
13) Acrolein	2.28	56	67725	88.994	ug/l 98
14) Acrylonitrile	3.13	53	233069	94.015	ug/l 98
15) Acetone	2.43	58	66096	79.529	ug/l 76
16) Carbon Disulfide	2.56	76	212854	19.324	ug/l 99
17) Allyl chloride	2.72	41	140623	18.946	ug/l 88
18) Methylene Chloride	2.85	84	95644	20.376	ug/l 93
19) trans-1,2-Dichloroethene	3.16	96	89353	20.696	ug/l 97
20) Diisopropyl ether	3.84	45	295212	20.103	ug/l 96
21) 1,1-Dichloroethane	3.69	63	161008	20.182	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	104203	21.003	ug/l 99
23) tert-Butyl Alcohol	3.01	59	101477	98.978	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	290957	21.799	ug/l 99
25) Chloroform	5.20	83	161690	20.922	ug/l 98
26) Cyclohexane	5.57	56	145250	19.738	ug/l # 97
29) 1,1-Dichloropropene	5.79	75	123603	20.749	ug/l 99
30) 2-Butanone	4.65	43	332093	88.005	ug/l 98
31) 2,2-Dichloropropane	4.57	77	141220	22.156	ug/l 96
32) 1,1,1-Trichloroethane	5.48	97	140841	21.371	ug/l 99
33) Carbon Tetrachloride	5.78	117	121743	21.517	ug/l 99
34) Benzene	6.13	78	368133	19.999	ug/l 98
35) Methacrylonitrile	5.03	41	70421	18.685	ug/l 95
36) 1,2-Dichloroethane	6.18	62	133688	20.869	ug/l 99
37) Trichloroethene	7.20	130	105515	20.935	ug/l 94
38) Methylcyclohexane	7.46	83	153952	20.757	ug/l 98
39) 1,2-Dichloropropane	7.50	63	92930	19.414	ug/l 92
40) Dibromomethane	7.65	93	62796	20.413	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX020720\
 Data File : VX014862.D
 Acq On : 07 Feb 2020 10:37
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.89	83	122310	20.303	ug/l	98
42) Vinyl Acetate	3.80	43	1145260	98.467	ug/l	100
43) Ethyl Acetate	4.82	43	128997	18.884	ug/l #	85
44) Isopropyl Acetate	6.43	43	215618	19.566	ug/l	99
45) 1,4-Dioxane	7.73	88	42758	387.890	ug/l	97
46) Methyl methacrylate	7.76	41	105465	19.461	ug/l	97
47) n-amyl Acetate	10.89	43	179479	19.438	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	140215	21.319	ug/l	97
49) cis-1,3-Dichloropropene	8.43	75	154088	20.792	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	96341	20.581	ug/l	99
51) Ethyl methacrylate	9.17	69	143902	19.744	ug/l	98
52) 1,3-Dichloropropane	9.36	76	161742	20.394	ug/l	100
53) Dibromochloromethane	9.57	129	100894	21.072	ug/l	99
54) 1,2-Dibromoethane	9.67	107	102413	21.095	ug/l	96
55) 2-Chloroethyl vinyl ether	8.30	63	322216	96.194	ug/l	98
56) Bromoform	10.85	173	77125	20.912	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	661918	95.294	ug/l	98
59) 2-Hexanone	9.48	43	514727	95.817	ug/l	99
61) Tetrachloroethene	9.33	164	112711	20.674	ug/l	99
62) Toluene	8.78	91	401906	20.537	ug/l	99
64) Chlorobenzene	10.13	112	259207	21.218	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	96285	21.340	ug/l	100
66) Ethyl Benzene	10.25	91	450362	21.129	ug/l	98
67) m/p-Xylenes	10.36	106	341808	41.865	ug/l	98
68) o-Xylene	10.70	106	166025	20.882	ug/l	99
69) Styrene	10.71	104	280197	20.801	ug/l	99
70) Isopropylbenzene	11.01	105	453441	21.770	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	137858	19.649	ug/l	97
72) 1,2,3-Trichloropropane	11.29	75	120265m	20.039	ug/l	
73) Bromobenzene	11.25	156	120350	21.797	ug/l	96
74) n-propylbenzene	11.35	91	515327	21.652	ug/l	98
75) 2-Chlorotoluene	11.42	91	300281	21.051	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	374798	21.595	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	47076	20.381	ug/l	93
78) 4-Chlorotoluene	11.51	91	347470	21.449	ug/l	98
79) tert-butylbenzene	11.76	119	363920	22.410	ug/l	98
80) 1,2,4-Trimethylbenzene	11.80	105	372794	21.536	ug/l	99
81) sec-Butylbenzene	11.94	105	439583	21.875	ug/l	98
82) p-Isopropyltoluene	12.06	119	407380	22.207	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	214711	22.271	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	214981	22.492	ug/l	99
85) n-Butylbenzene	12.39	91	347757	21.666	ug/l	99
86) Hexachloroethane	12.59	117	68303	20.763	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	208391	21.423	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	31757	21.189	ug/l	99
89) 1,2,4-Trichlorobenzene	13.64	180	151033	23.523	ug/l	99
90) Hexachlorobutadiene	13.78	225	76836	23.949	ug/l	99
91) Naphthalene	13.83	128	438288	22.614	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	151822	23.231	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
Data File : VX014862.D
Acq On : 07 Feb 2020 10:37
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

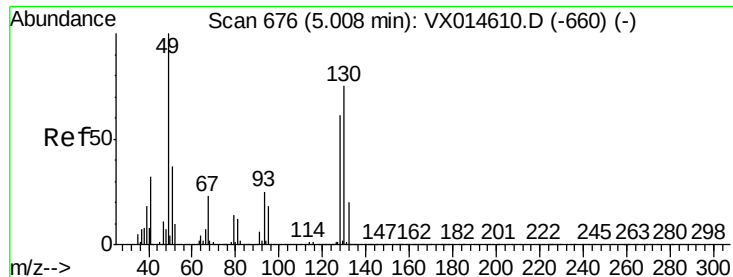
Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM

Quant Time: Feb 07 22:30:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 15 12:41:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.00 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

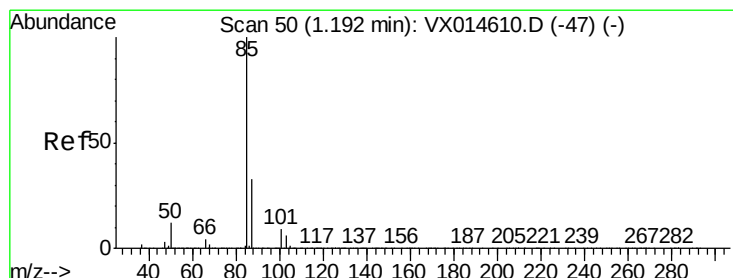
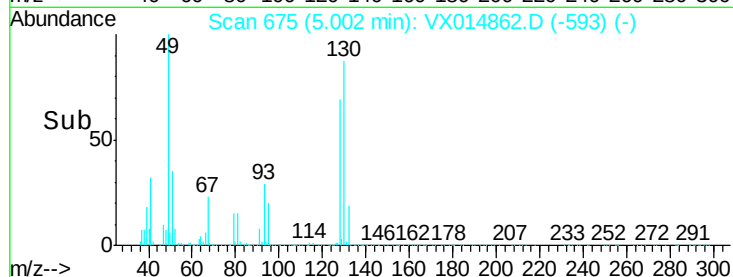
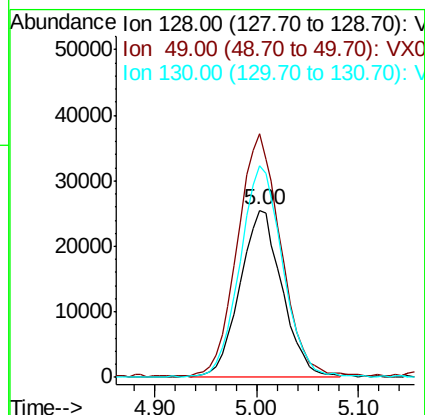
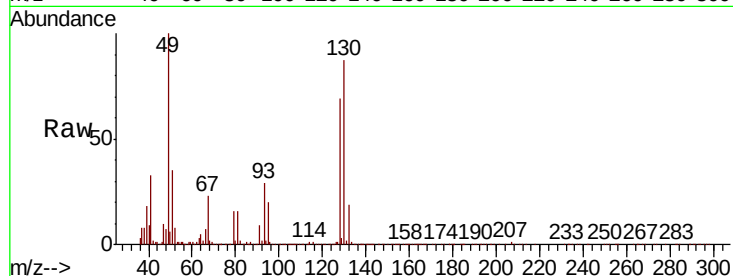
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	72449
Ion	Ratio	Lower	Upper
128	100		
49	148.6	0.0	405.0
130	129.4	0.0	321.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#2

Dichlorodifluoromethane

Concen: 21.097 ug/l

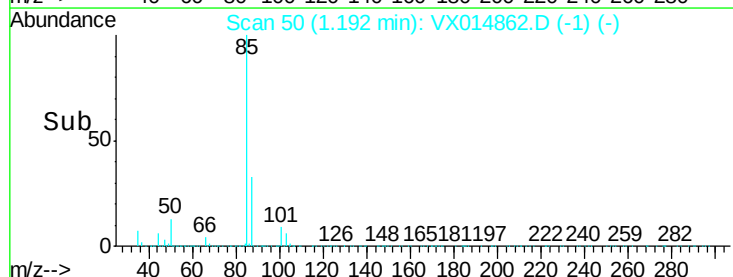
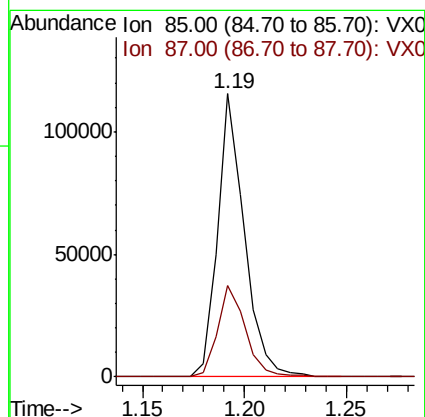
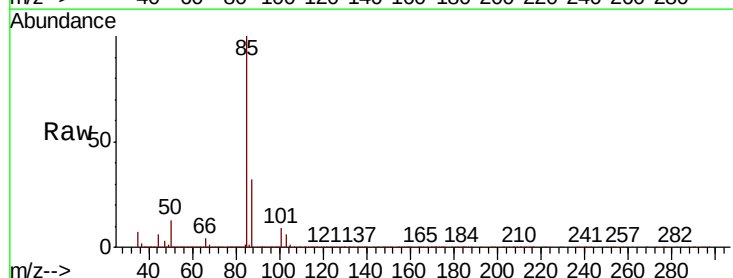
RT: 1.19 min Scan# 50

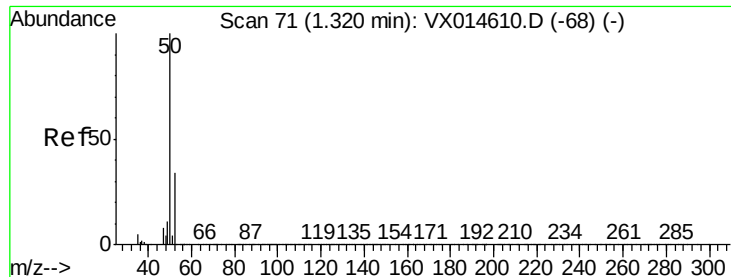
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	85	Resp:	105631
Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.3	48.9





#3

Chloromethane

Concen: 18.342 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 100545

Ion Ratio Lower Upper

50 100

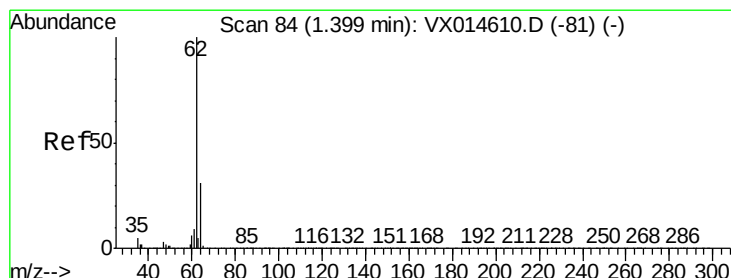
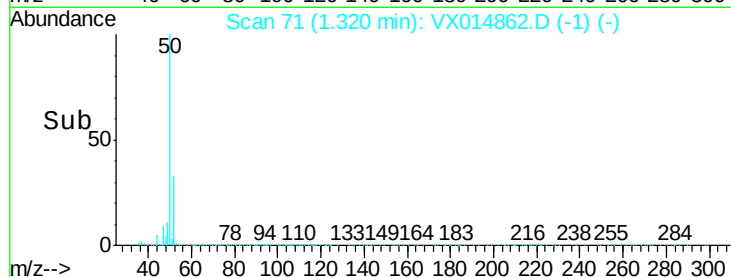
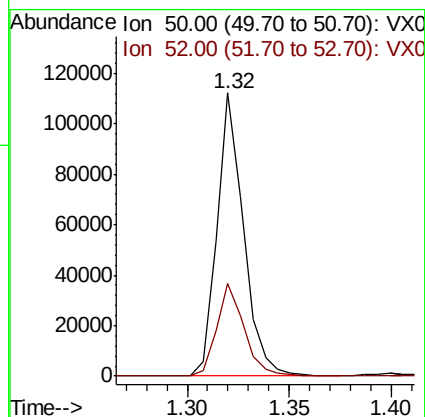
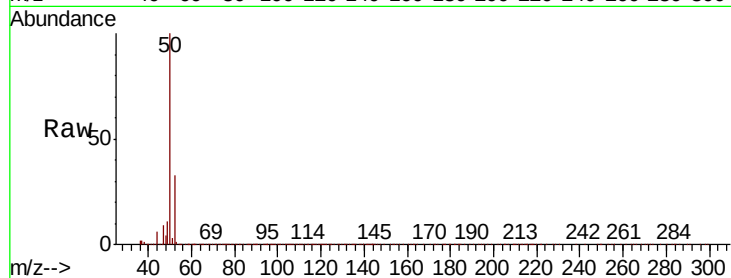
52 32.6 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#4

Vinyl Chloride

Concen: 19.187 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014862.D

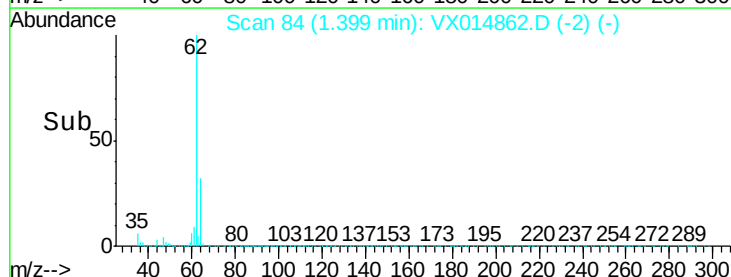
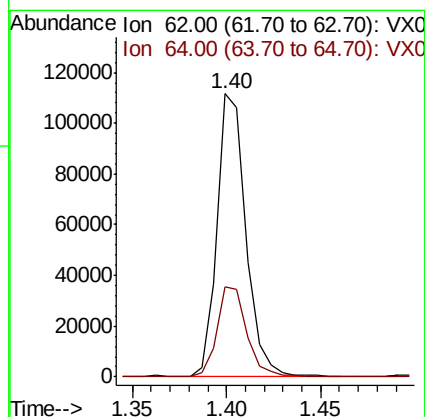
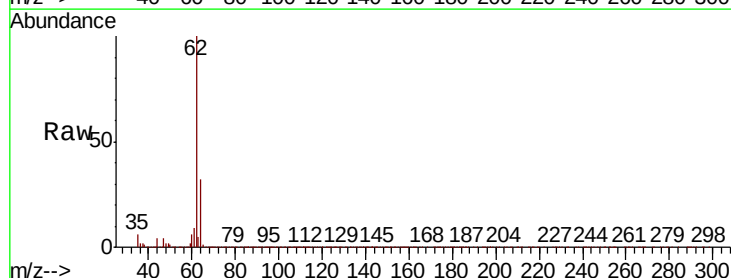
Acq: 07 Feb 2020 10:37

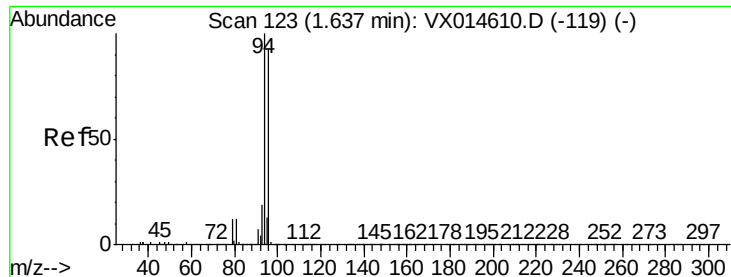
Tgt Ion: 62 Resp: 118098

Ion Ratio Lower Upper

62 100

64 31.6 25.2 37.8





#5

Bromomethane

Concen: 20.427 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 78459

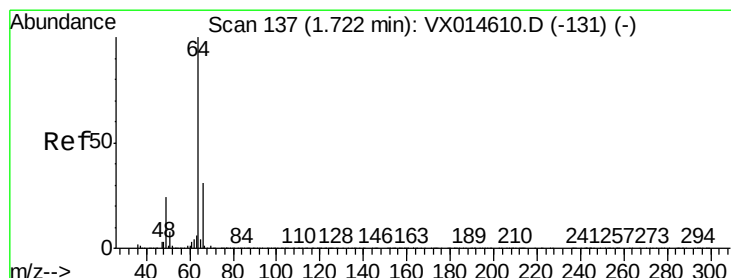
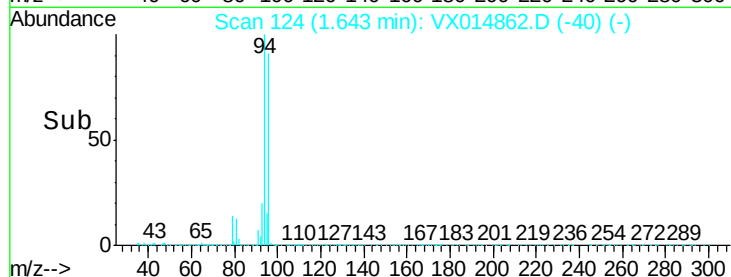
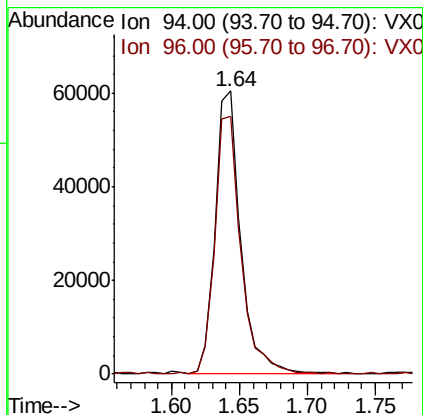
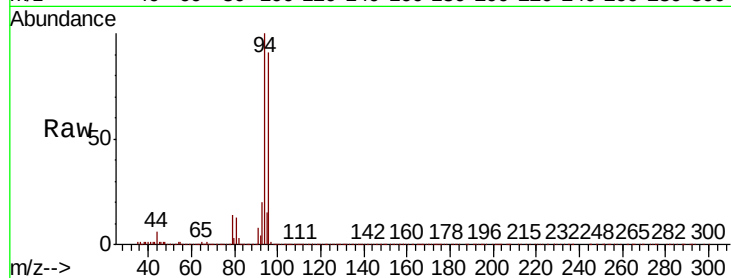
Ion Ratio Lower Upper

94 100

96 91.2 74.4 111.6

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#6

Chloroethane

Concen: 19.040 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.02 min

Lab File: VX014862.D

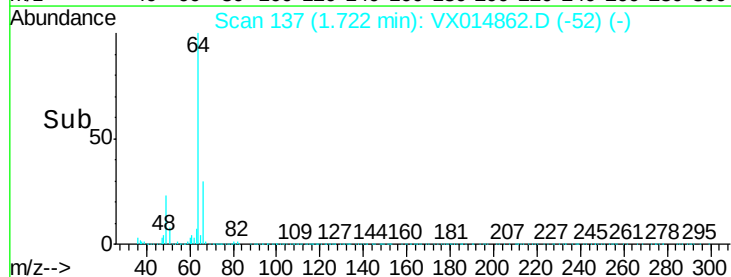
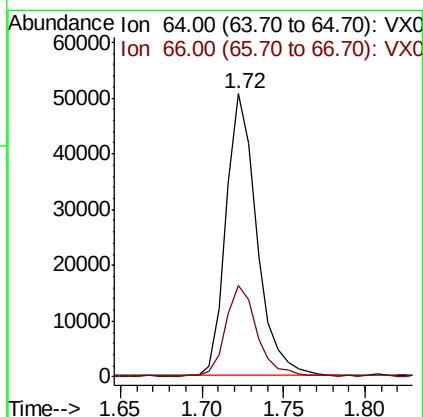
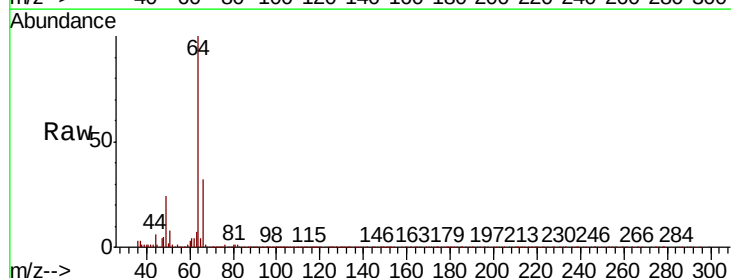
Acq: 07 Feb 2020 10:37

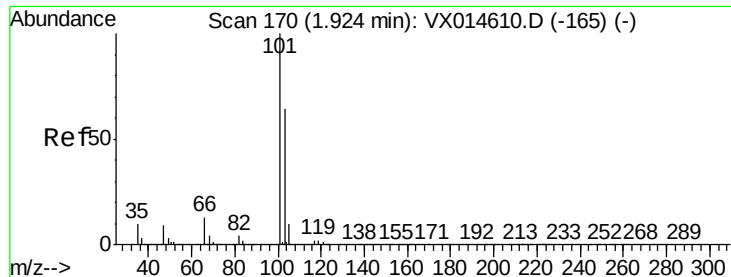
Tgt Ion: 64 Resp: 66065

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8





#7

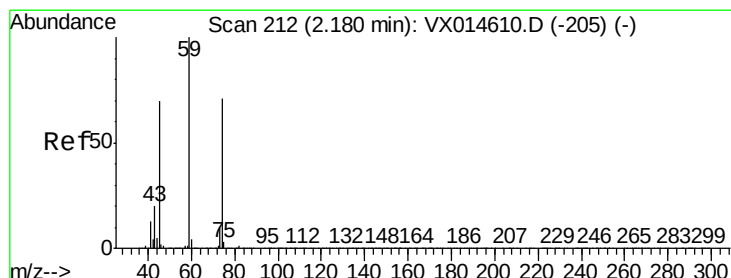
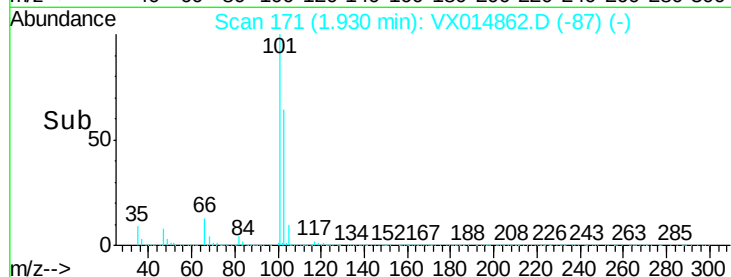
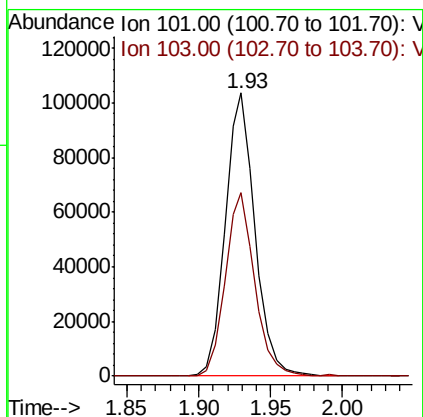
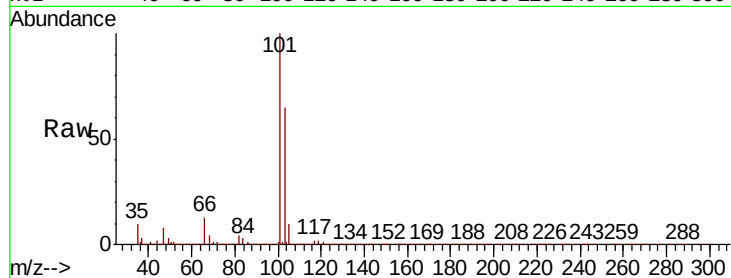
Trichlorofluoromethane
Concen: 21.753 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.6	77.4

Manual Integrations
APPROVED

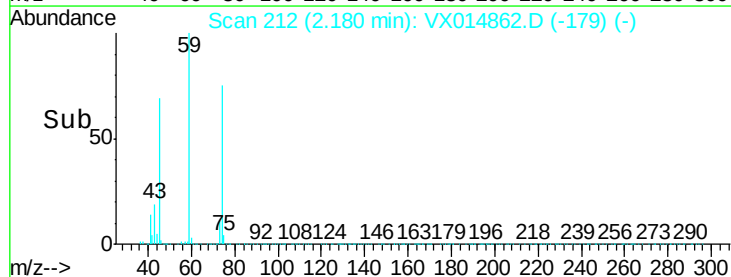
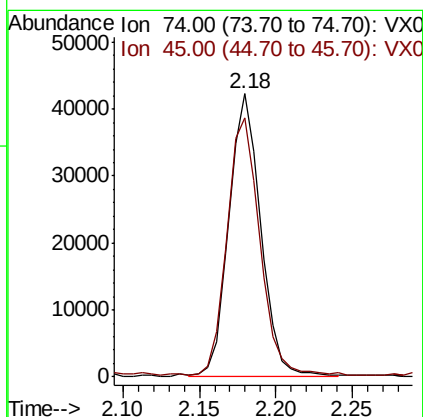
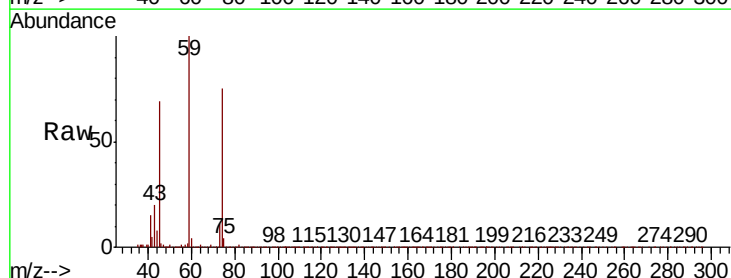
MMDadoda
2/10/2020 10:49:10 AM

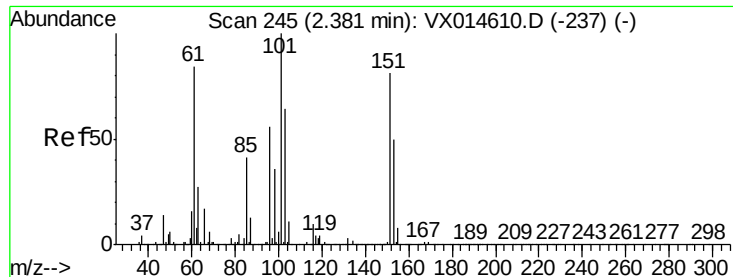


#8

Diethyl Ether
Concen: 20.320 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.1	20.6	185.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.607 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

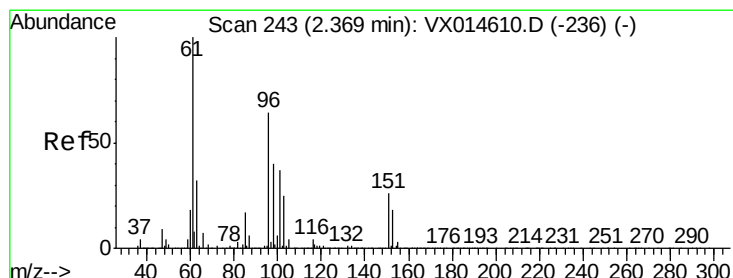
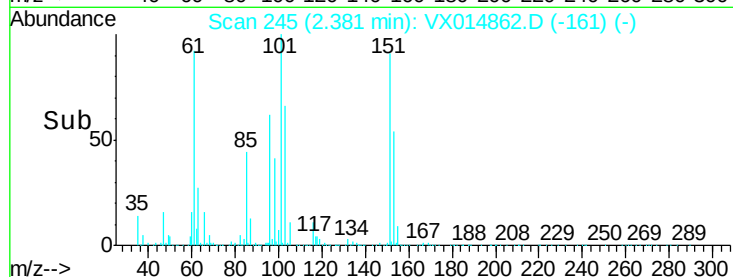
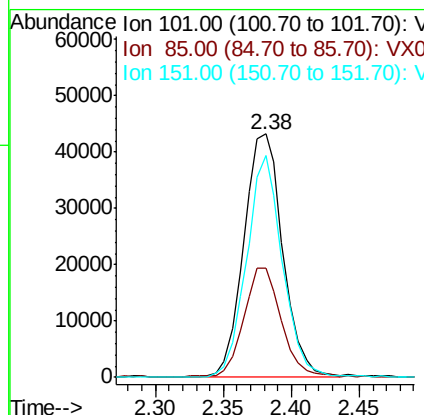
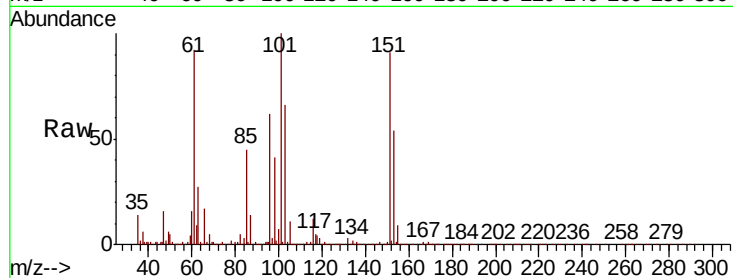
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	86153
Ion Ratio	Lower	Upper	
101	100		
85	43.3	0.0	85.6
151	84.2	0.0	159.4

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#10

1,1-Dichloroethene

Concen: 20.602 ug/l

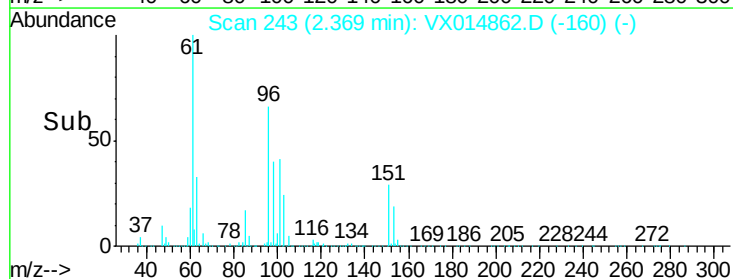
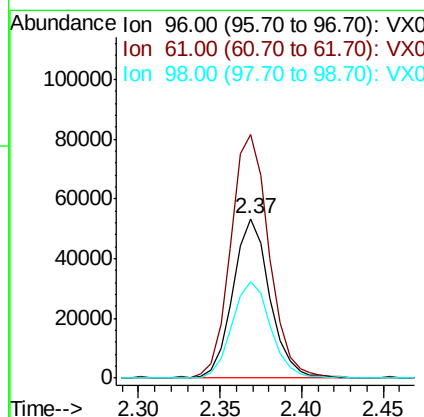
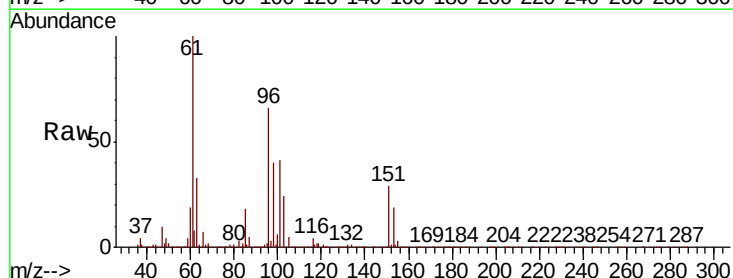
RT: 2.37 min Scan# 243

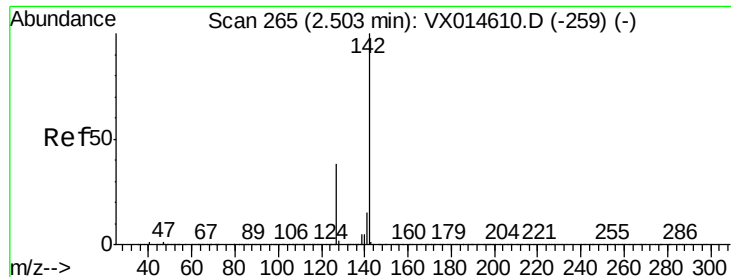
Delta R.T. 0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	96	Resp:	82627
Ion Ratio	Lower	Upper	
96	100		
61	152.8	123.0	184.6
98	60.3	51.4	77.0





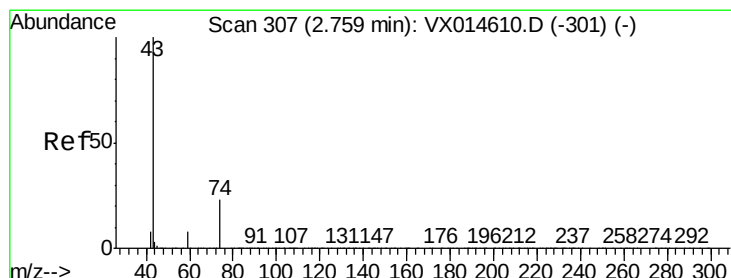
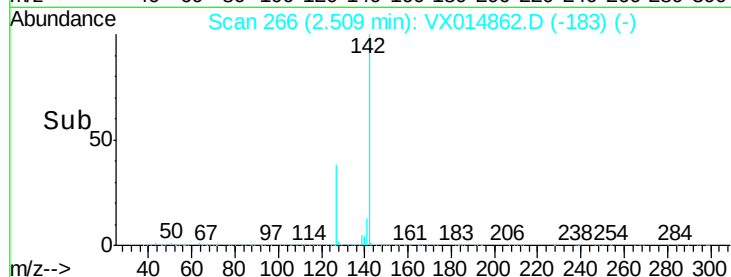
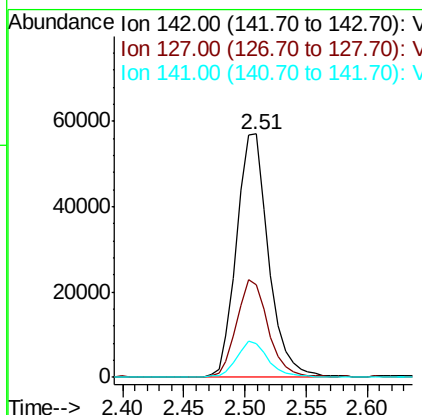
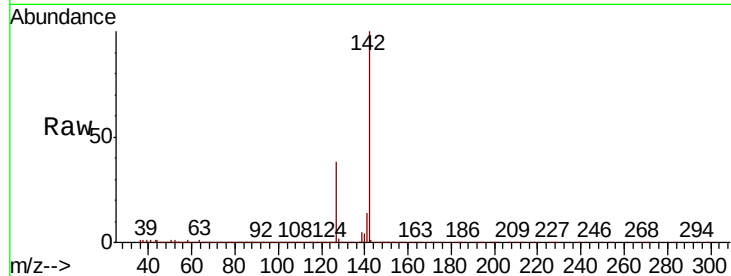
#11
Methvl Iodide
Concen: 19.294 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.9	19.5	58.5
141	13.5	7.0	20.9

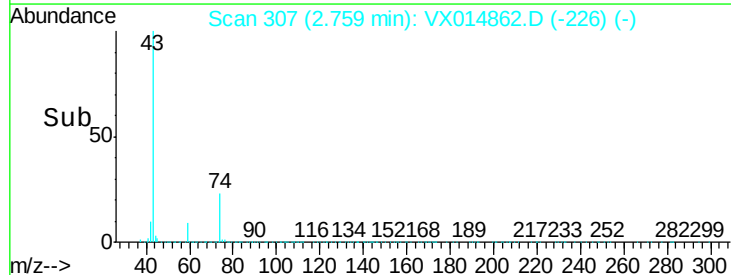
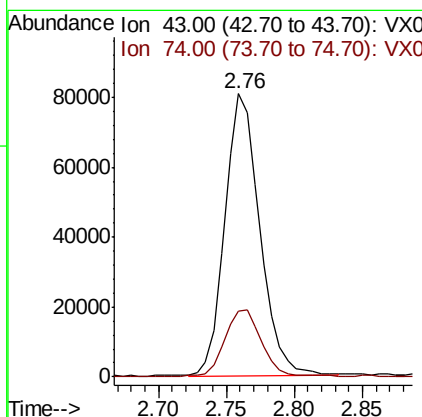
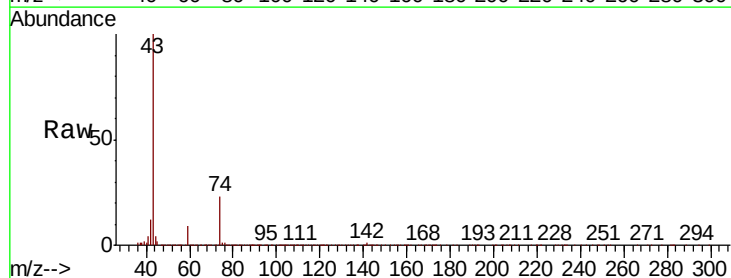
Manual Integrations
APPROVED

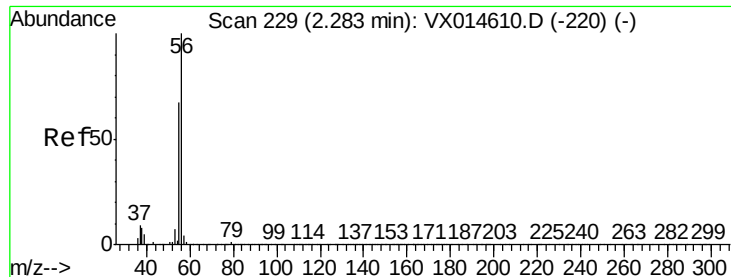
MMDadoda
2/10/2020 10:49:10 AM



#12
Methyl Acetate
Concen: 19.924 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.5	27.7





#13

Acrolein

Concen: 88.994 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 67725

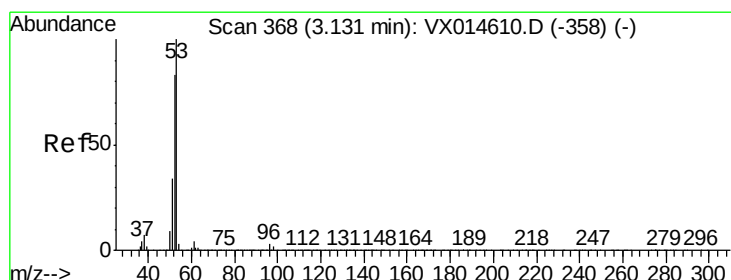
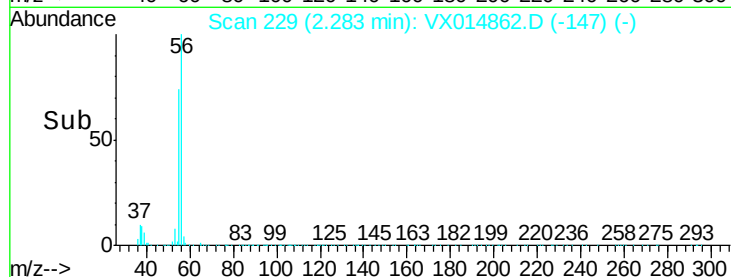
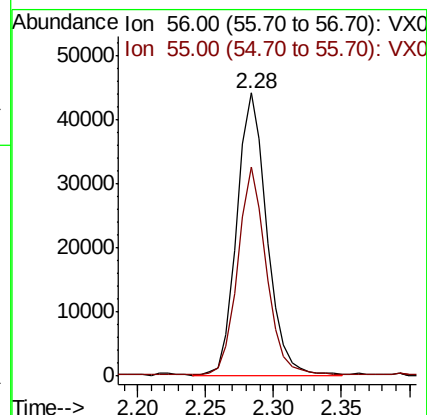
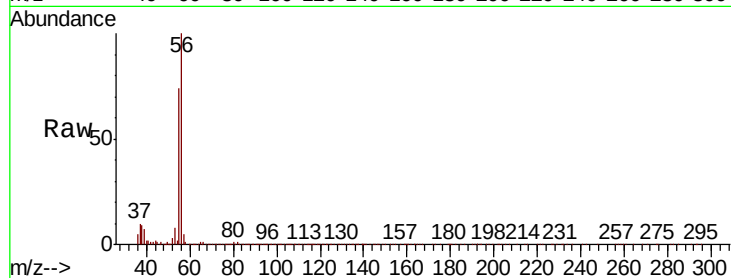
Ion Ratio Lower Upper

56 100

55 69.9 54.9 82.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#14

Acrylonitrile

Concen: 94.015 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

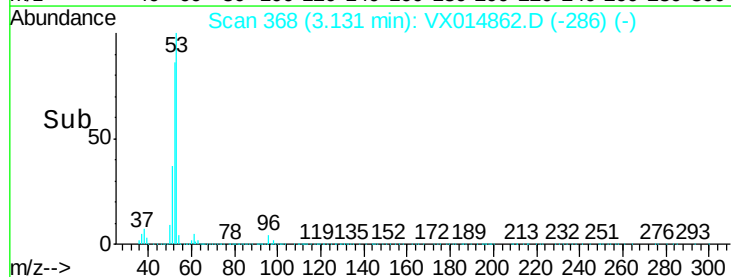
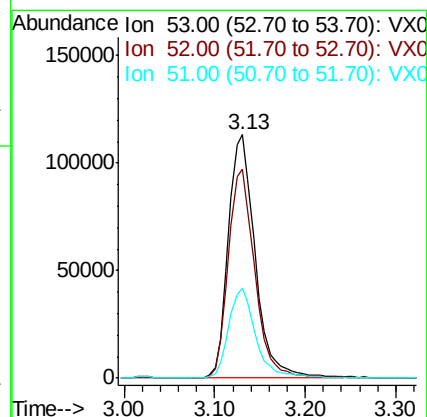
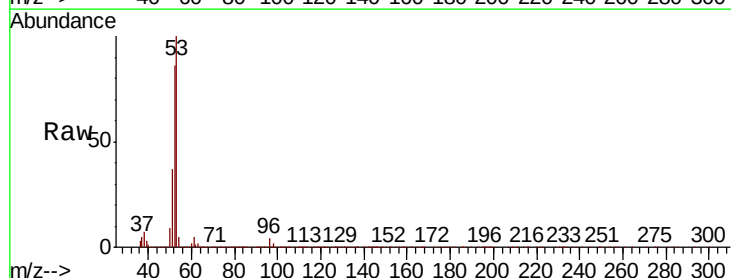
Tgt Ion: 53 Resp: 233069

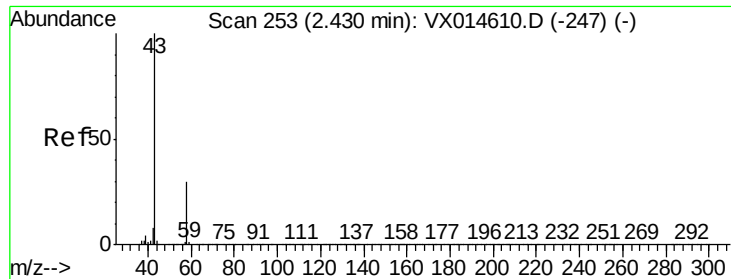
Ion Ratio Lower Upper

53 100

52 84.9 41.5 124.6

51 36.6 17.8 53.5





#15

Acetone

Concen: 79.529 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 58 Resp: 66096

Ion Ratio Lower Upper

58 100

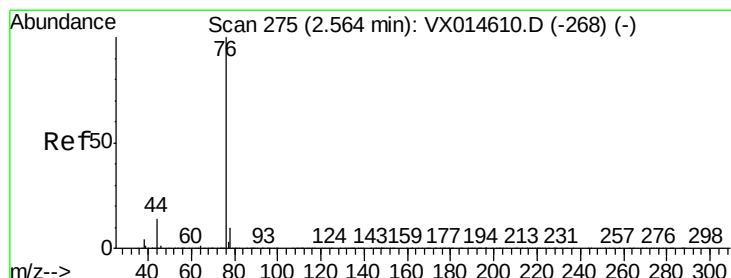
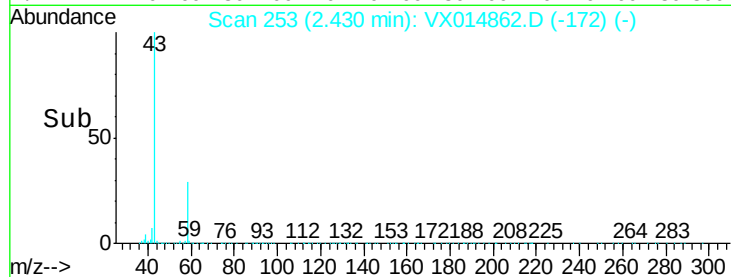
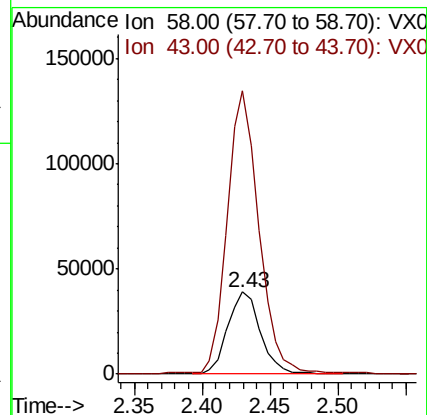
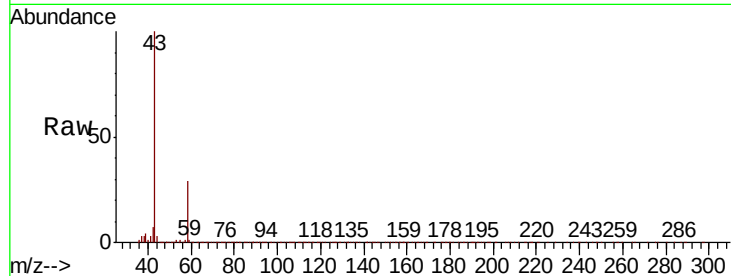
43 342.6 236.3 354.5

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#16

Carbon Disulfide

Concen: 19.324 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014862.D

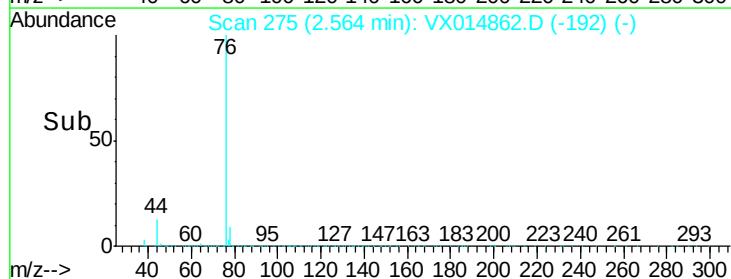
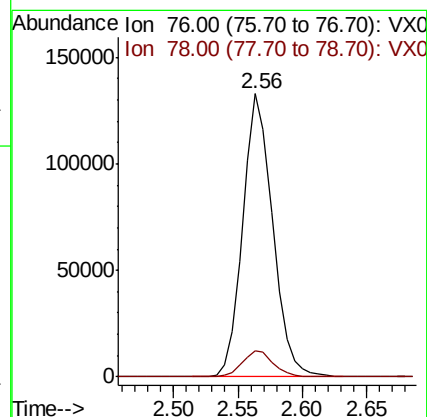
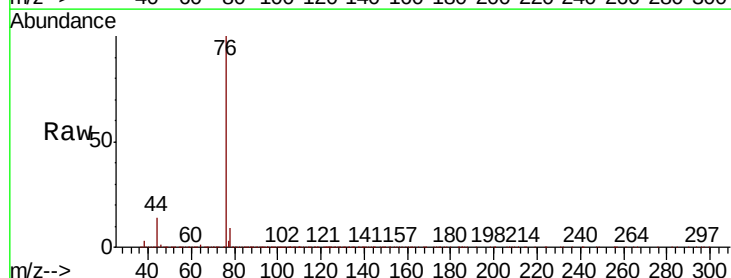
Acq: 07 Feb 2020 10:37

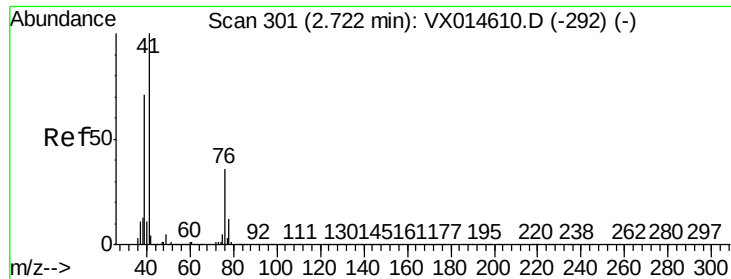
Tgt Ion: 76 Resp: 212854

Ion Ratio Lower Upper

76 100

78 9.3 7.8 11.8





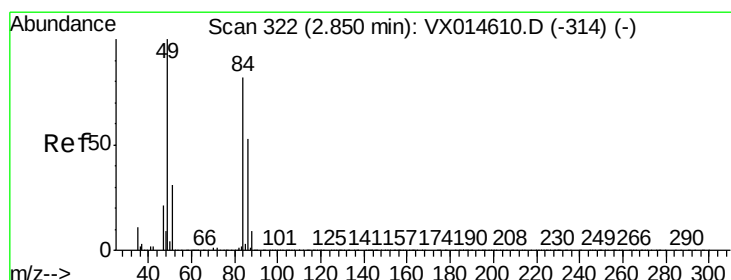
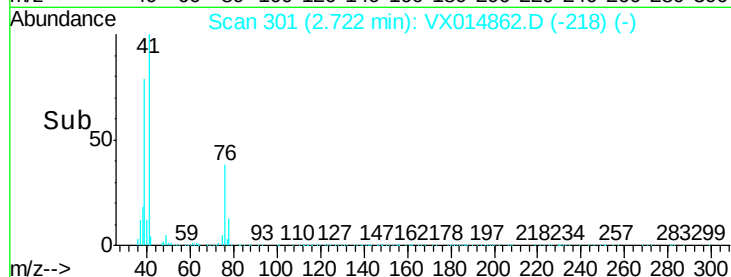
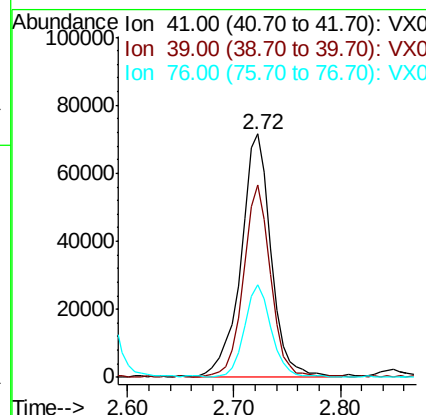
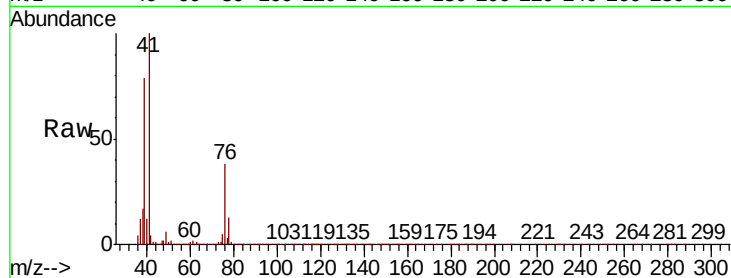
#17
Allvl chloride
Concen: 18.946 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.9	33.4	100.2
76	37.6	17.0	50.9

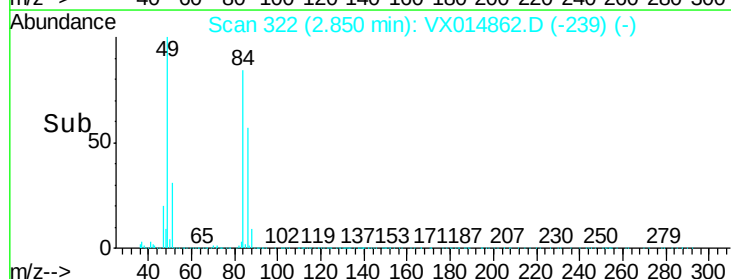
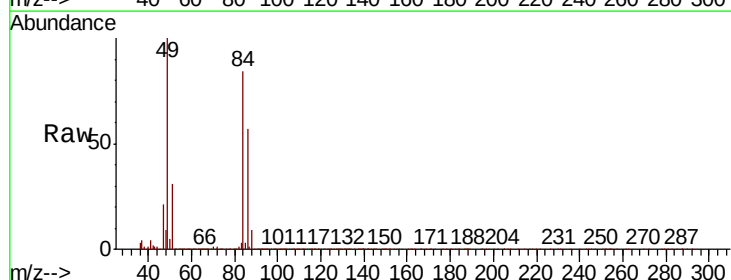
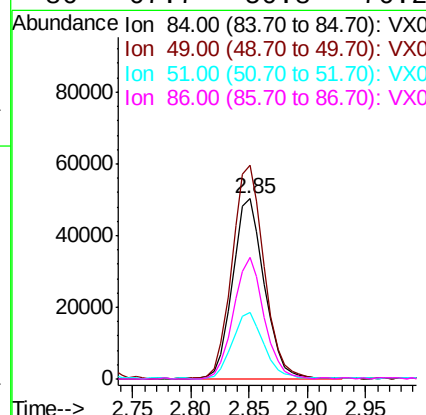
Manual Integrations
APPROVED

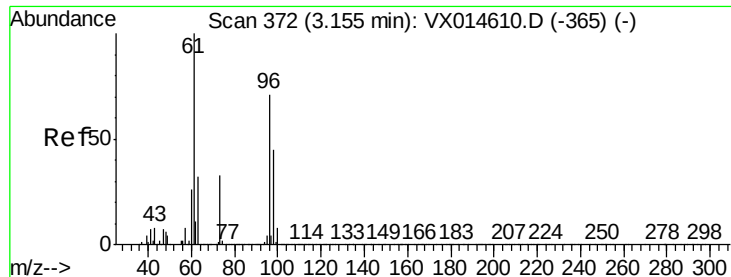
MMDadoda
2/10/2020 10:49:10 AM



#18
Methylene Chloride
Concen: 20.376 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	102.2	153.2
51	36.5	31.4	47.0
86	67.7	50.8	76.2





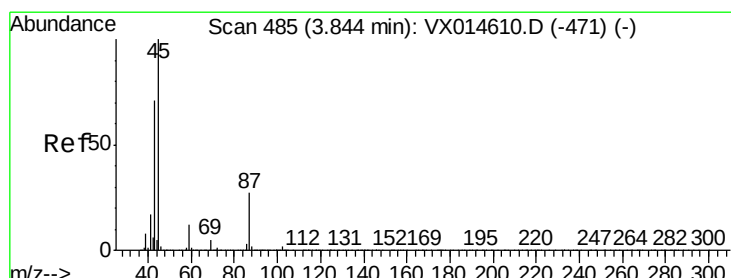
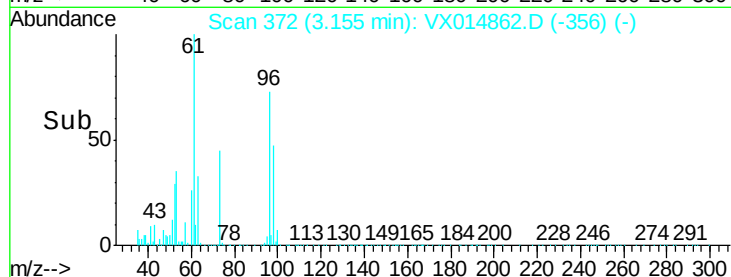
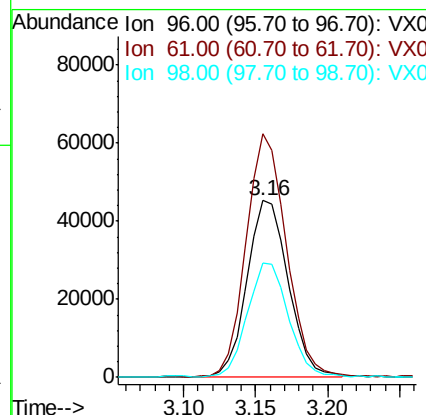
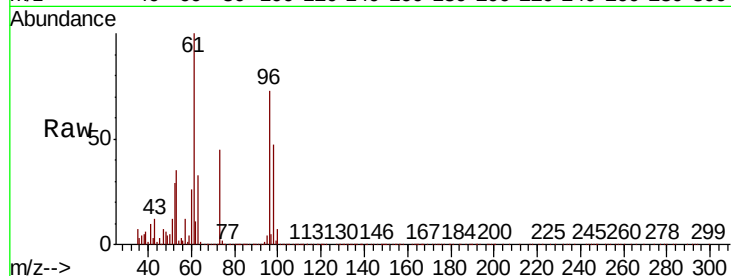
#19
trans-1,2-Dichloroethene
Concen: 20.696 ug/l
RT: 3.16 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	106.6	159.8
98	64.8	51.6	77.4

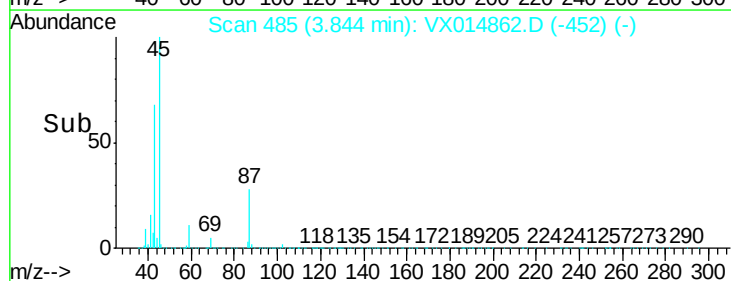
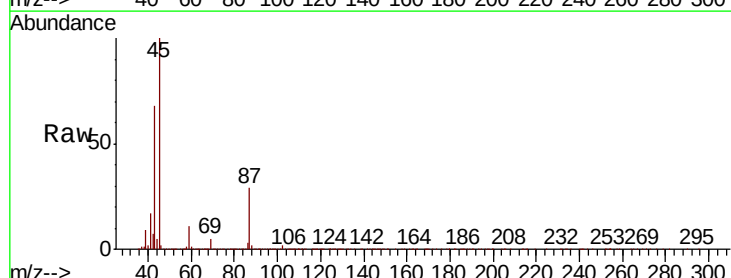
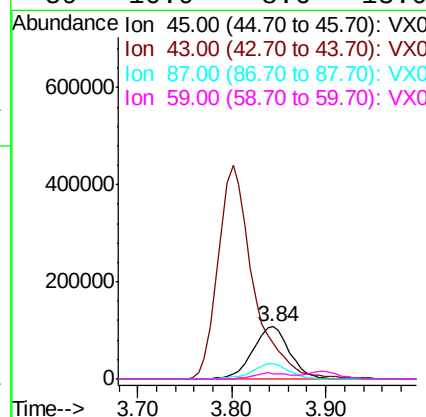
Manual Integrations
APPROVED

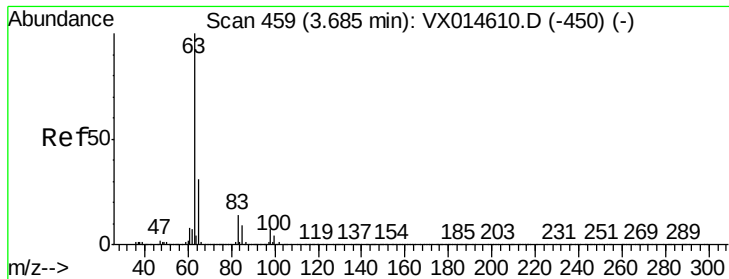
MMDadoda
2/10/2020 10:49:10 AM



#20
Diisopropyl ether
Concen: 20.103 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	55.9	83.9
87	28.5	22.2	33.2
59	10.9	8.6	13.0





#21

1,1-Dichloroethane

Concen: 20.182 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

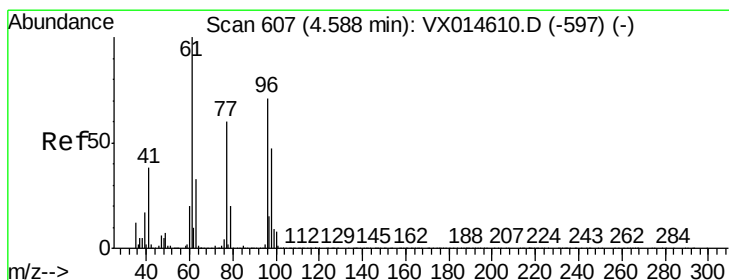
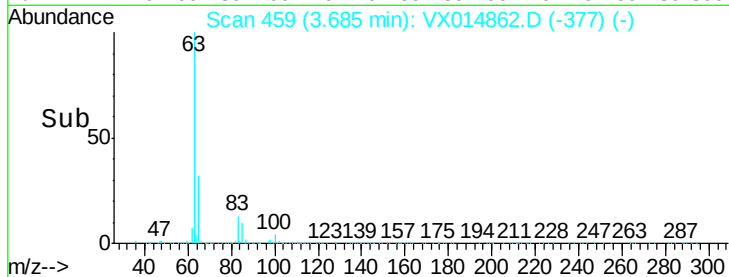
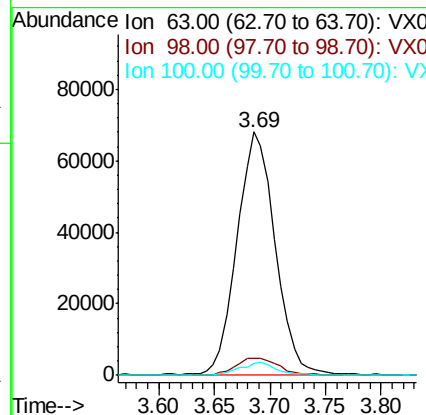
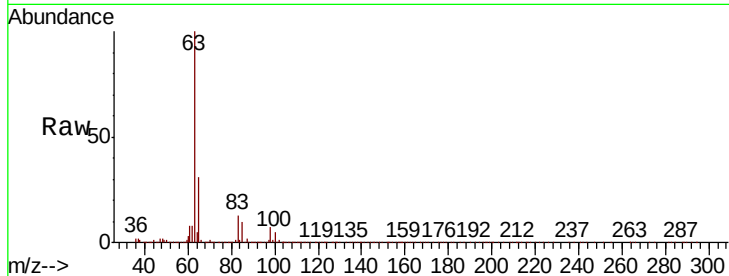
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	161008		
98	7.0	3.4	10.1	
100	4.8	2.5	7.4	

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#22

cis-1,2-Dichloroethene

Concen: 21.003 ug/l

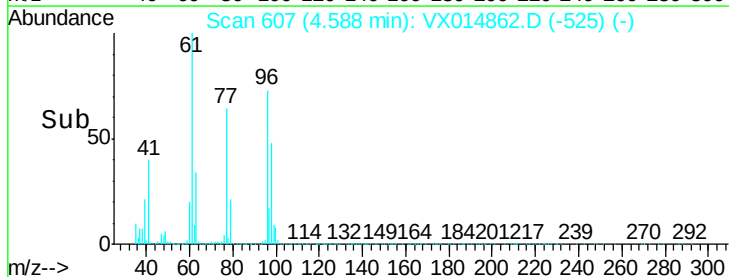
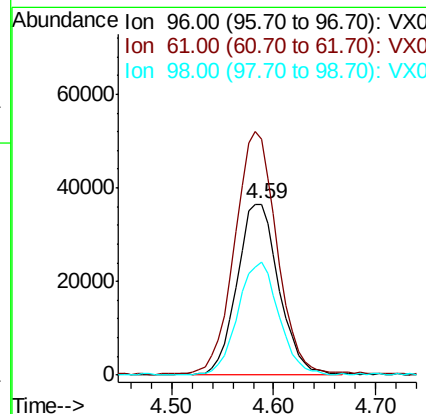
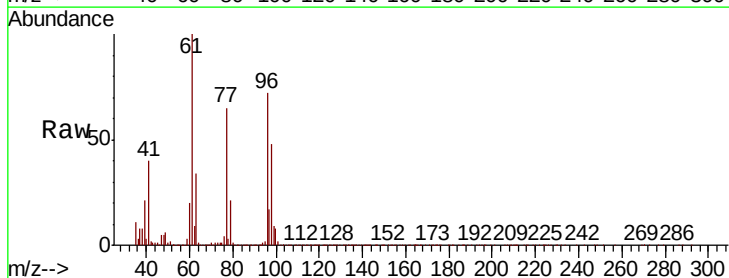
RT: 4.59 min Scan# 607

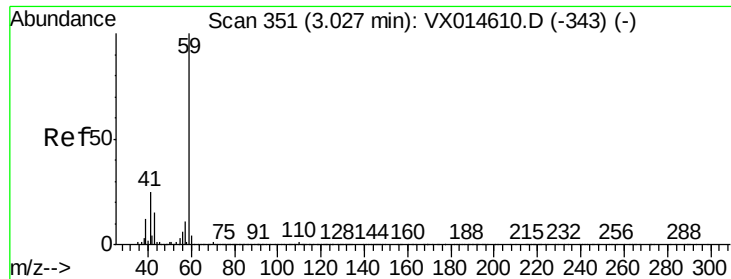
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104203		
61	141.5	112.4	168.6	
98	64.3	50.3	75.5	





#23

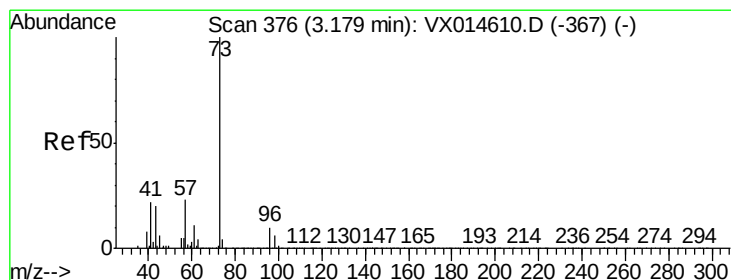
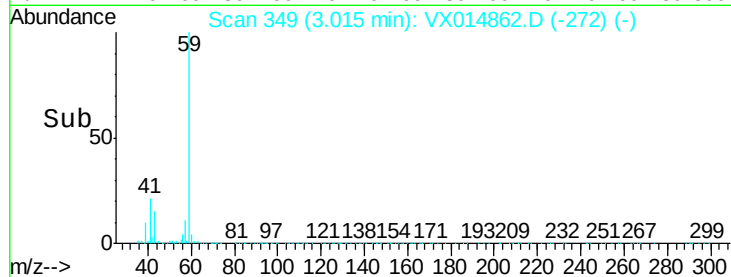
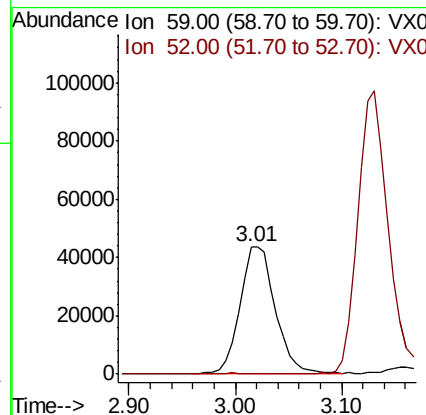
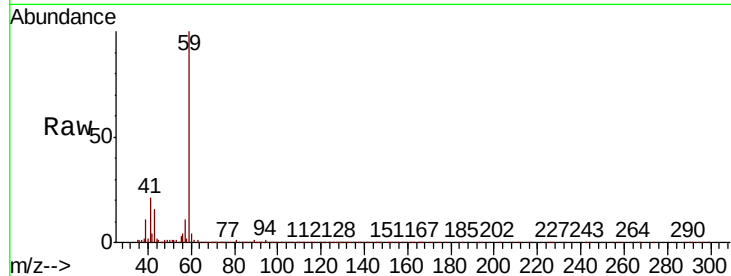
tert-Butyl Alcohol
 Concen: 98.978 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.03 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.2	0.2#

Manual Integrations
 APPROVED

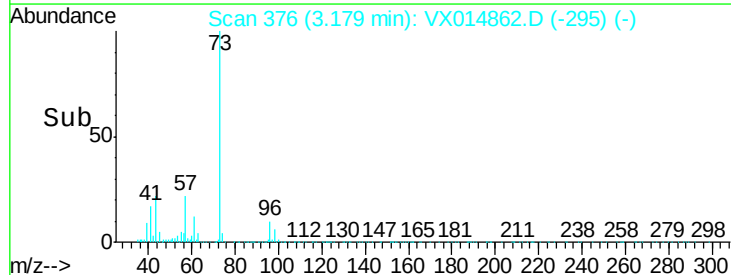
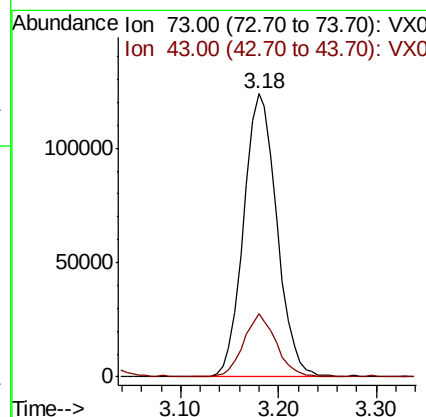
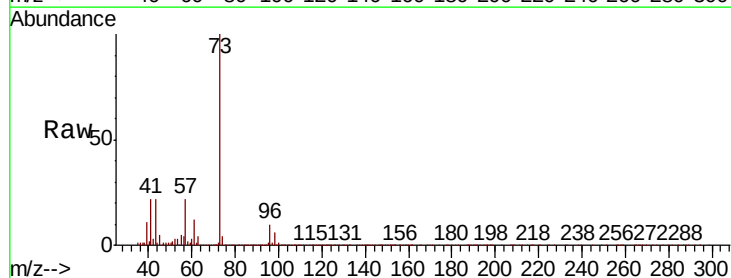
MMDadoda
 2/10/2020 10:49:10 AM

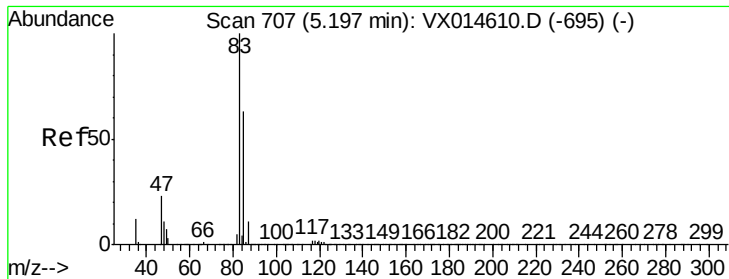


#24

Methyl tert-Butyl Ether
 Concen: 21.799 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.3	16.6	25.0





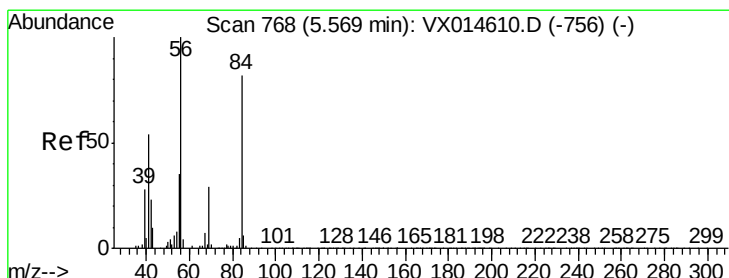
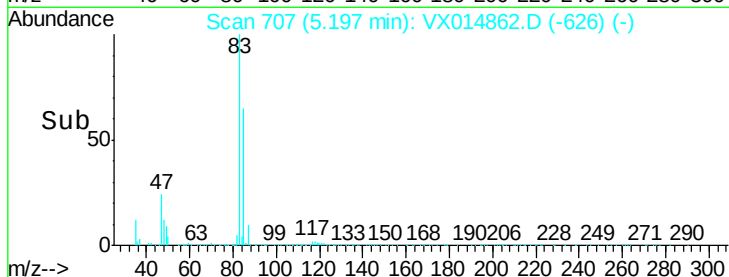
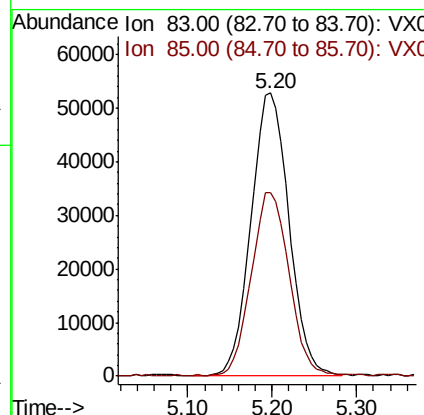
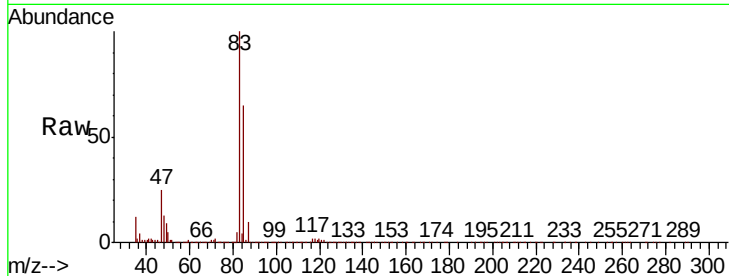
#25
Chloroform
Concen: 20.922 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	161690
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.7	79.1

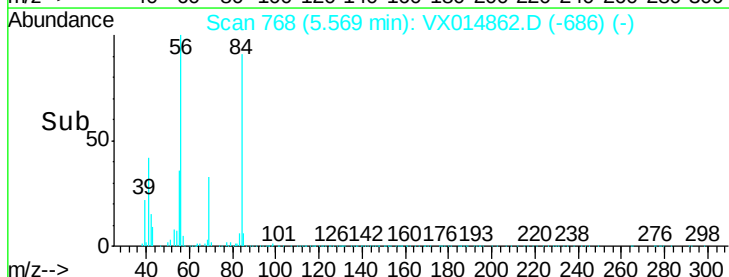
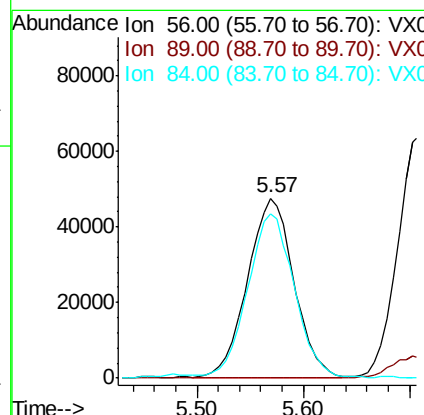
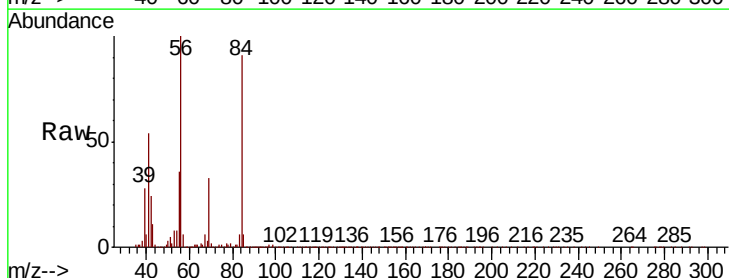
Manual Integrations
APPROVED

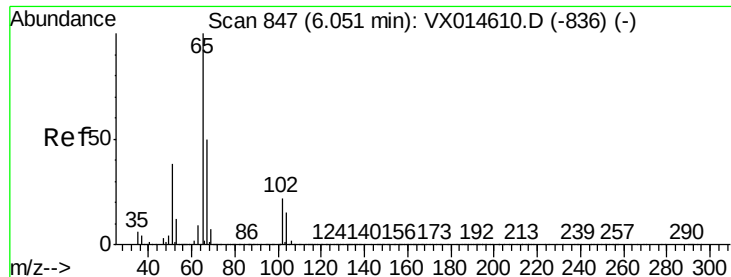
MMDadoda
2/10/2020 10:49:10 AM



#26
Cyclohexane
Concen: 19.738 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	56	Resp	145250
Ion Ratio	100	Lower	Upper
56	100		
89	0.1	0.1	0.1#
84	91.2	70.8	106.2





#27

1,2-Dichloroethane-d4

Concen: 30.566 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 65 Resp: 155655

Ion Ratio Lower Upper

65 100

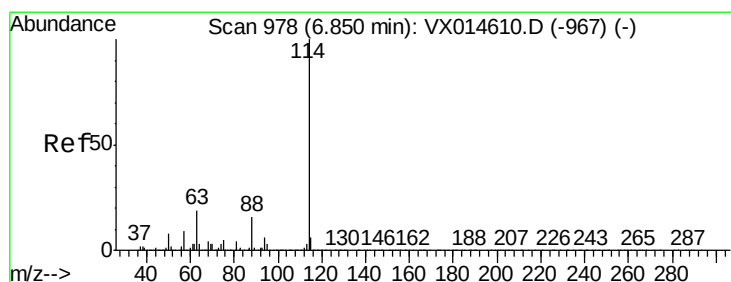
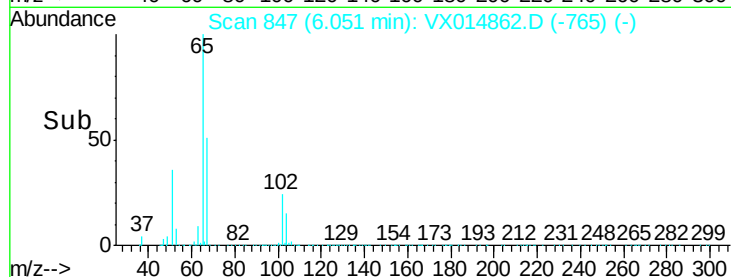
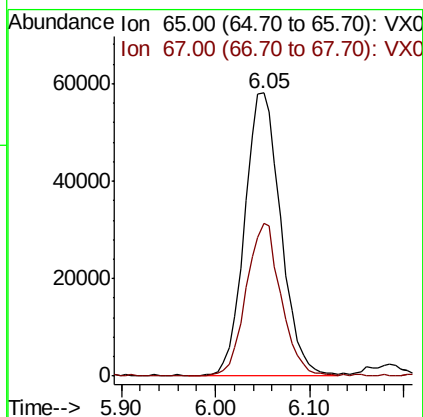
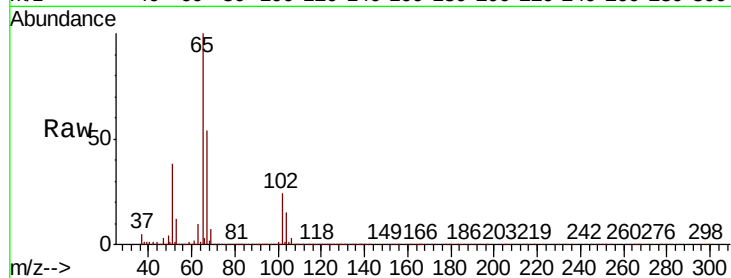
67 51.8 43.1 64.7

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

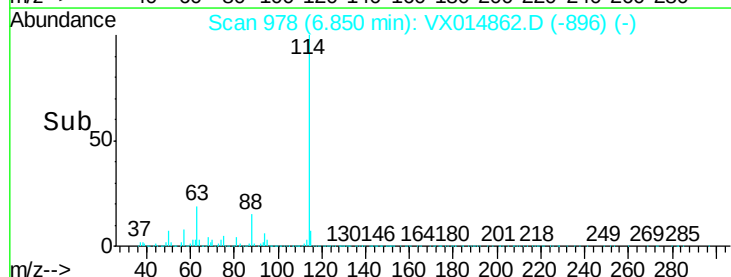
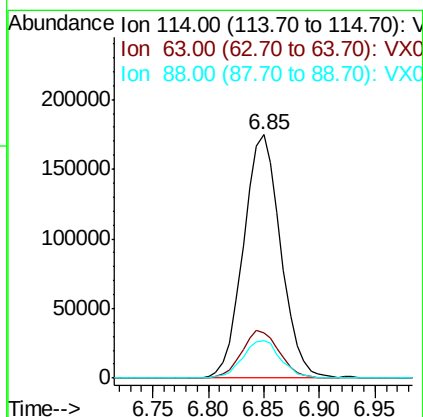
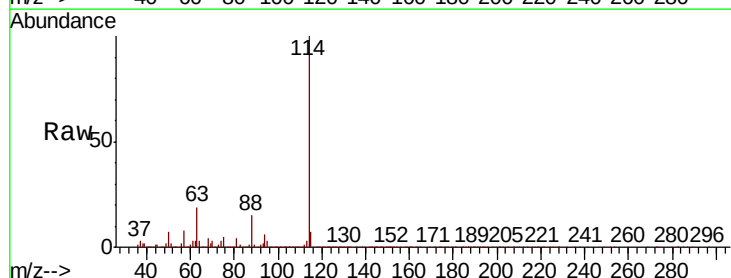
Tgt Ion: 114 Resp: 406185

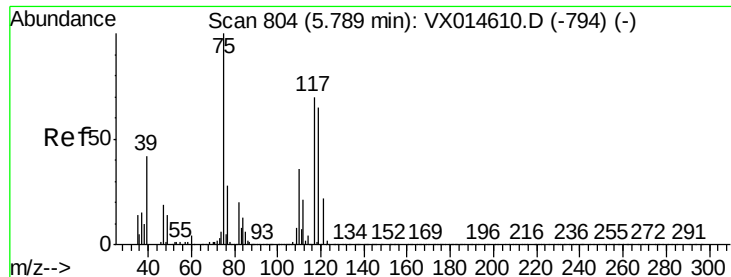
Ion Ratio Lower Upper

114 100

63 19.5 16.1 24.1

88 15.7 12.5 18.7





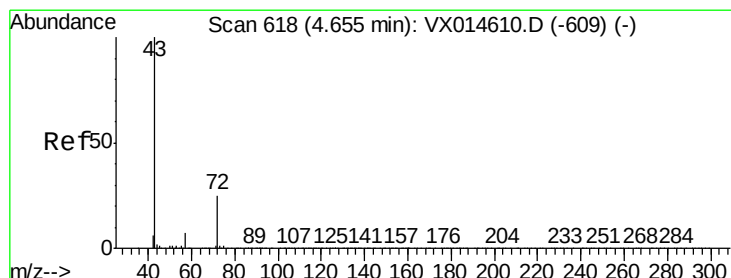
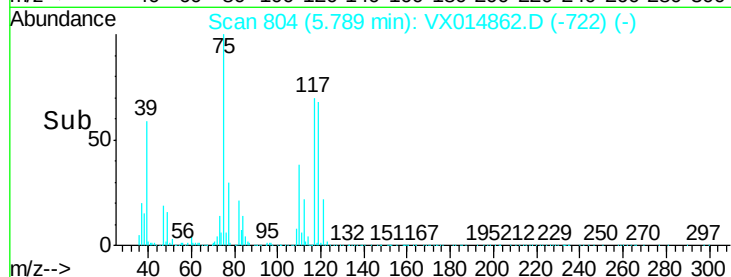
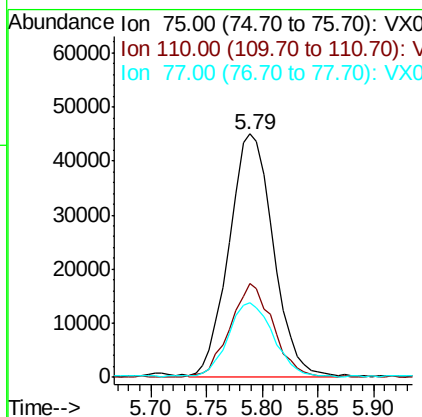
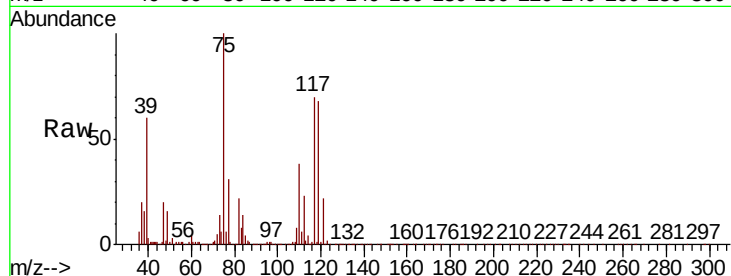
#29
 1,1-Dichloropropene
 Concen: 20.749 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.5	0.0	73.8	
77	31.3	0.0	62.4	

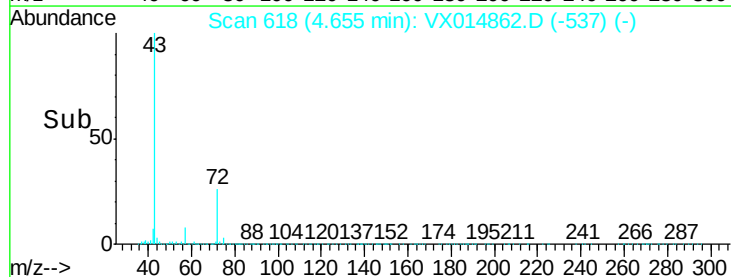
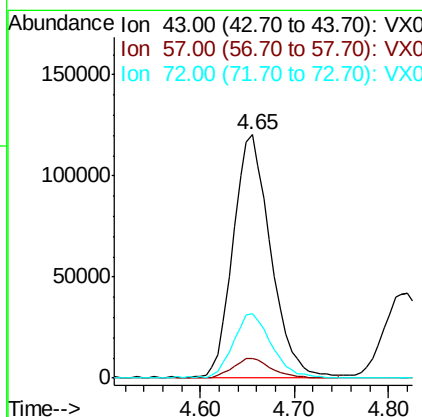
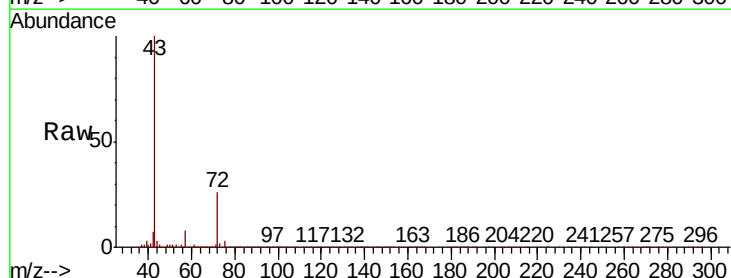
Manual Integrations
 APPROVED

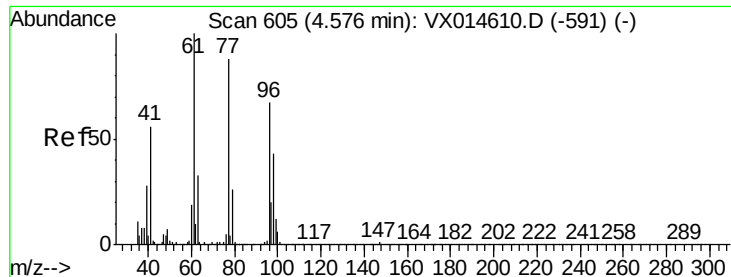
MMDadoda
 2/10/2020 10:49:10 AM



#30
 2-Butanone
 Concen: 88.005 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.2	6.2	9.2	
72	26.4	20.3	30.5	





#31

2,2-Dichloropropane

Concen: 22.156 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 141220

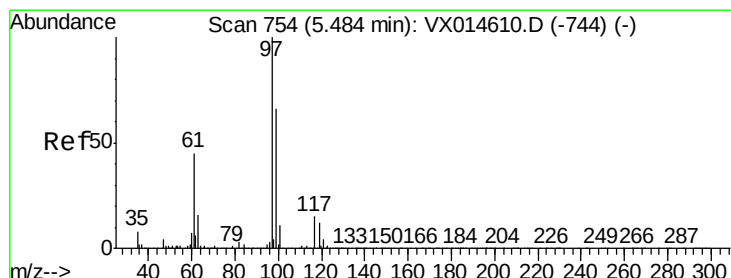
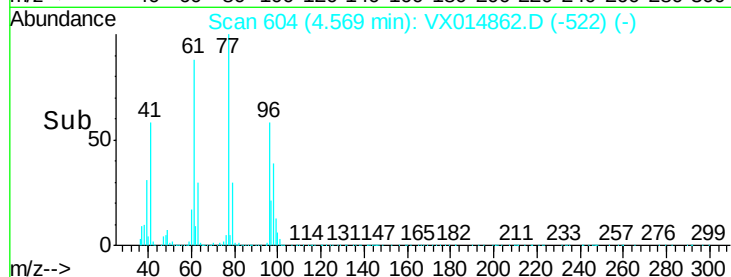
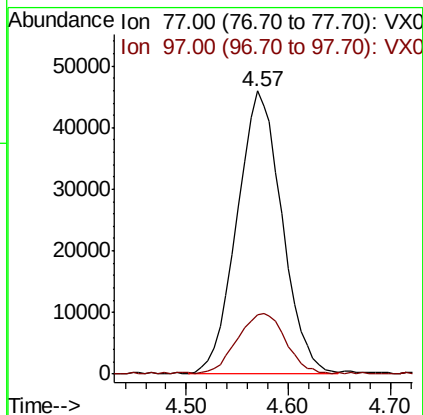
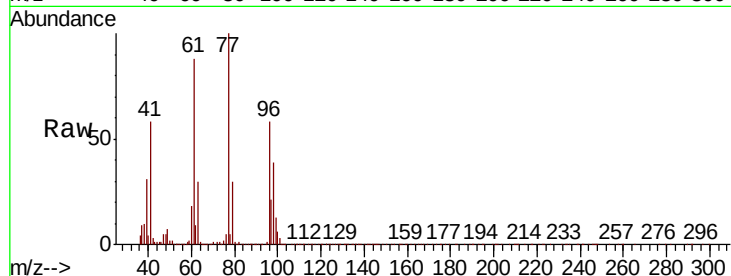
Ion Ratio Lower Upper

77 100

97 22.5 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#32

1,1,1-Trichloroethane

Concen: 21.371 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

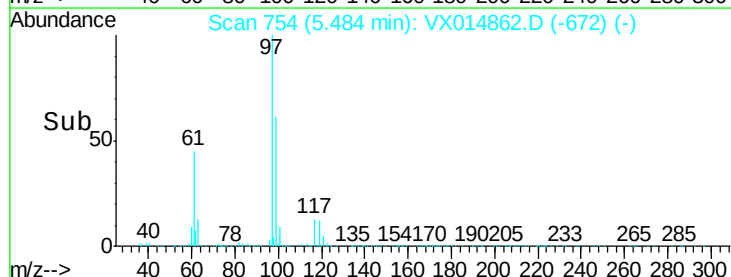
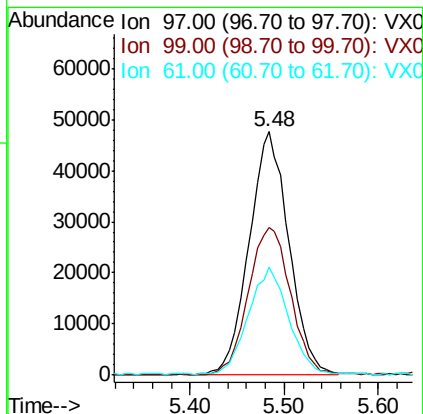
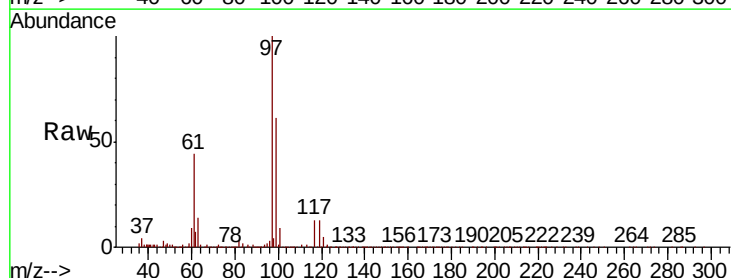
Tgt Ion: 97 Resp: 140841

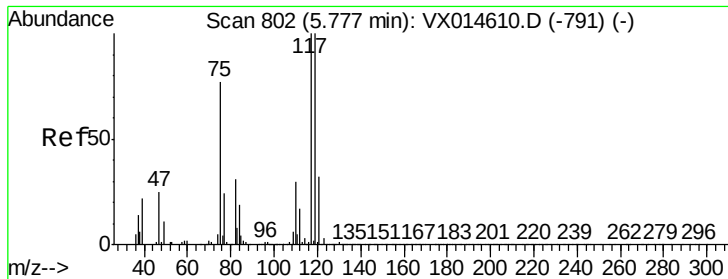
Ion Ratio Lower Upper

97 100

99 64.3 51.9 77.9

61 44.7 36.8 55.2





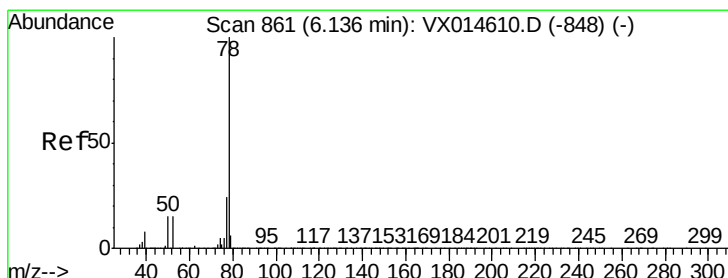
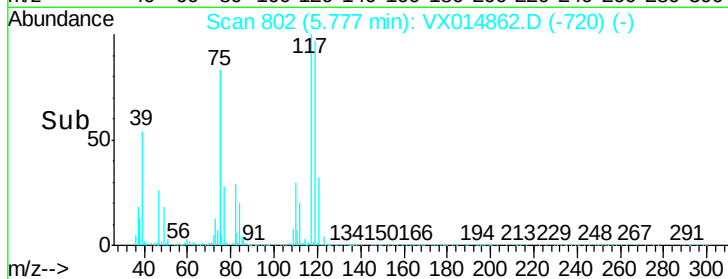
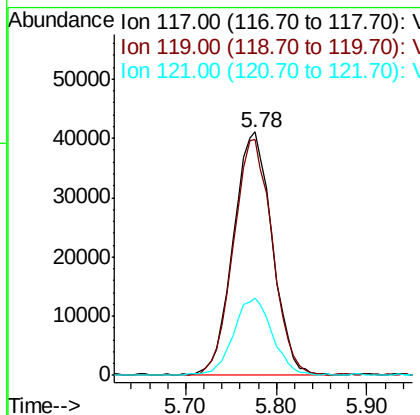
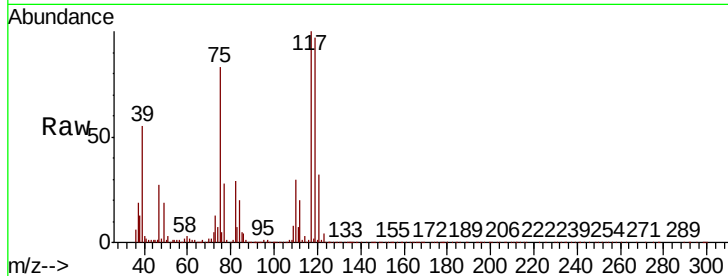
#33
Carbon Tetrachloride
Concen: 21.517 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.2	115.8
121	31.4	24.8	37.2

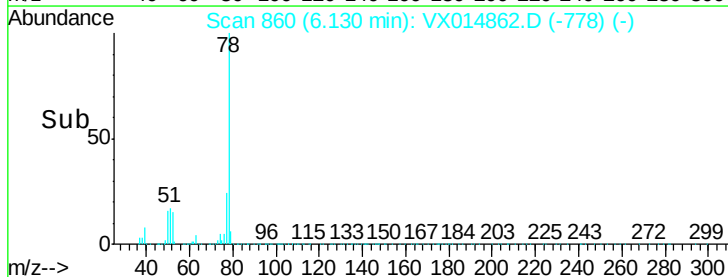
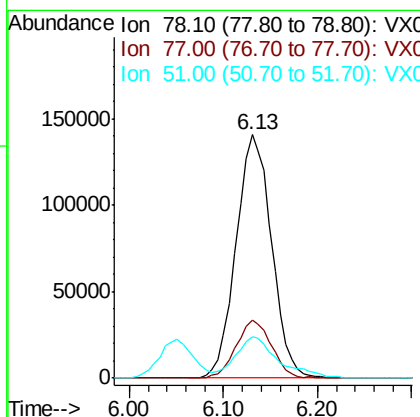
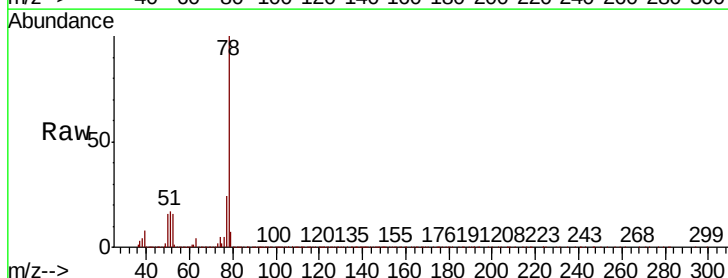
Manual Integrations
APPROVED

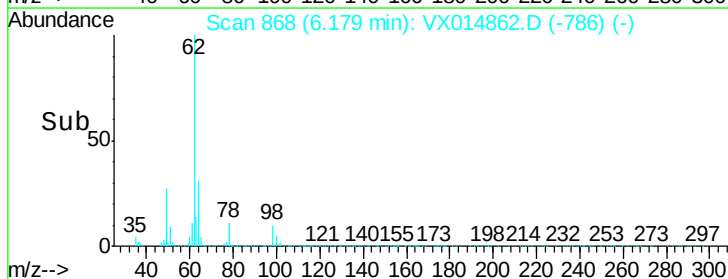
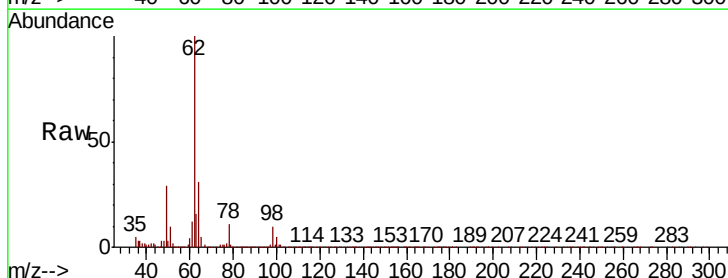
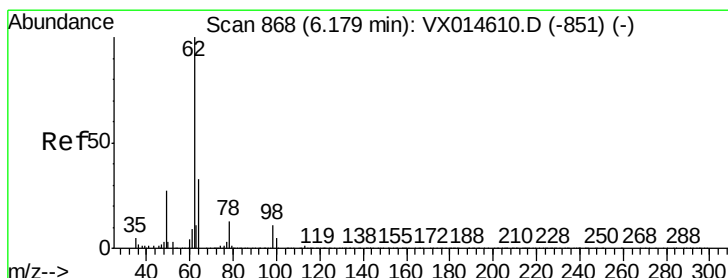
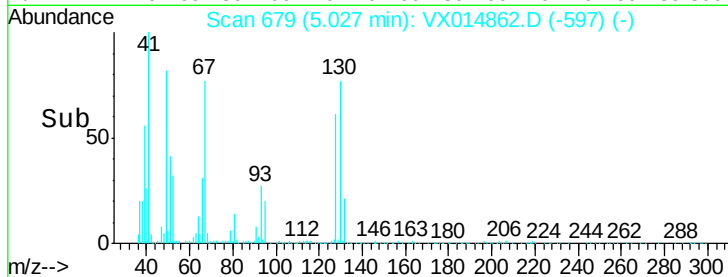
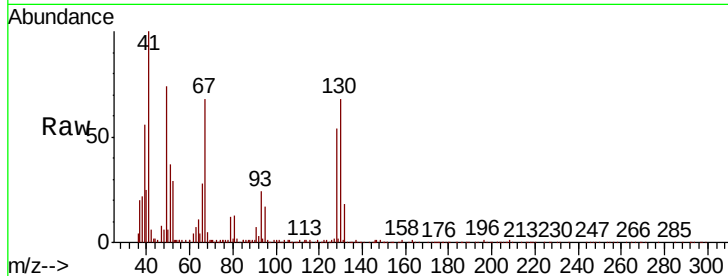
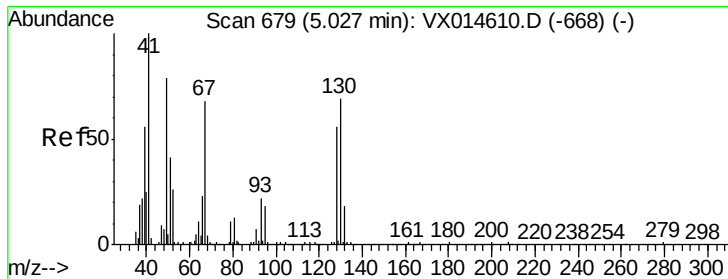
MMDadoda
2/10/2020 10:49:10 AM



#34
Benzene
Concen: 19.999 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

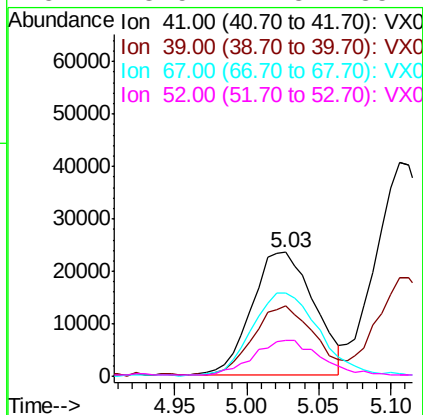
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.2
51	16.6	12.4	18.6





#35
Methacrylonitrile
Concen: 18.685 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	55.7	26.7	80.1
67	67	67.5	31.5	94.5
52	52	28.5	12.8	38.4



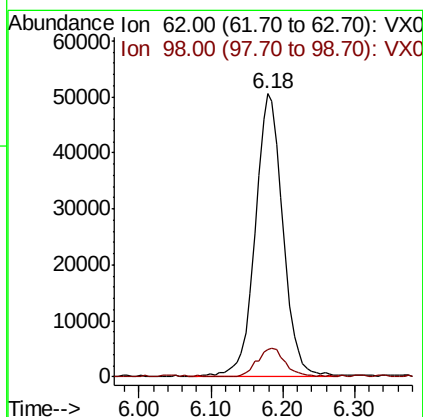
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

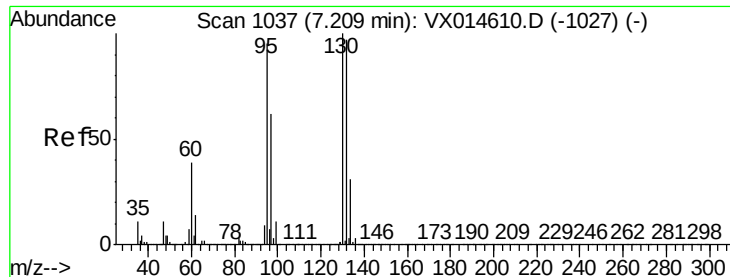
Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM

#36
1,2-Dichloroethane
Concen: 20.869 ug/l
RT: 6.18 min Scan# 868
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	10.2	8.4	12.6





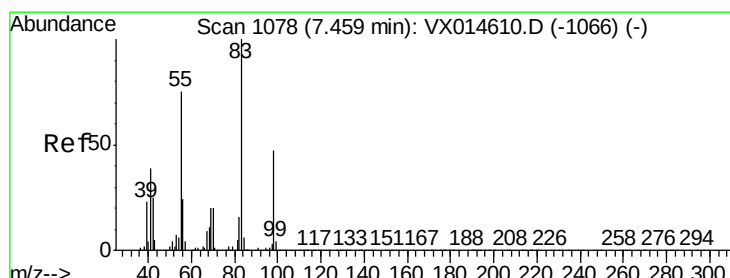
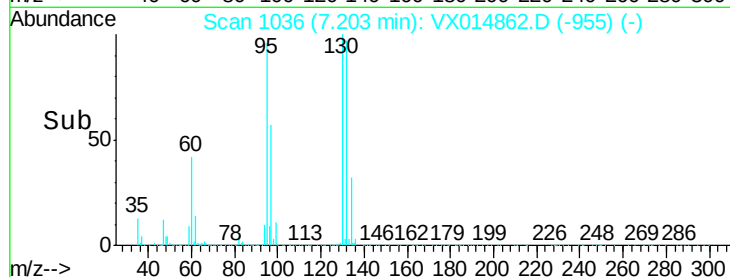
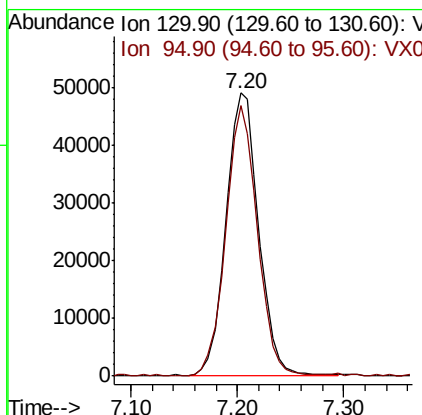
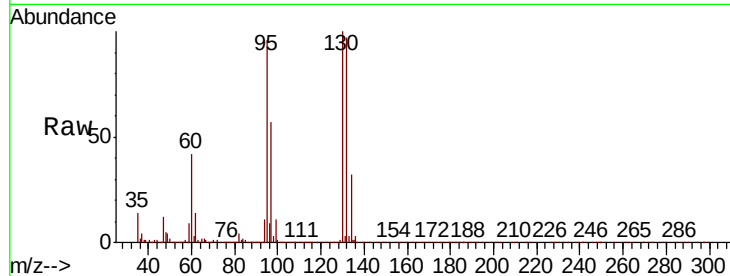
#37
 Trichloroethene
 Concen: 20.935 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
130	100		
95	95.5	71.7	107.5

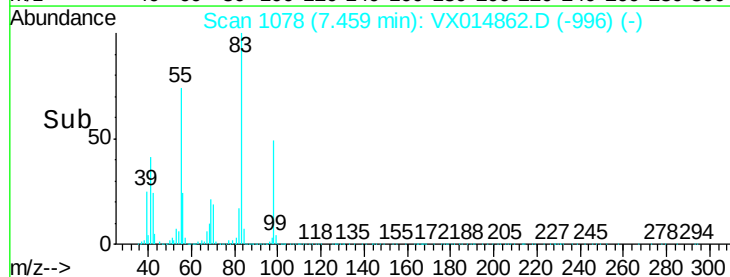
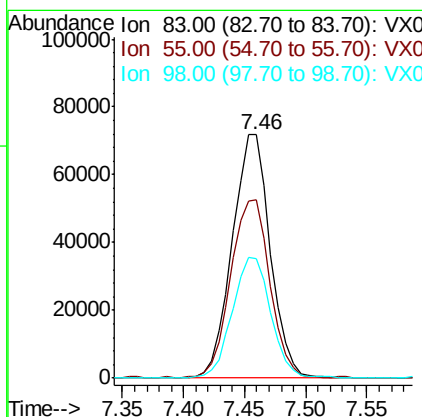
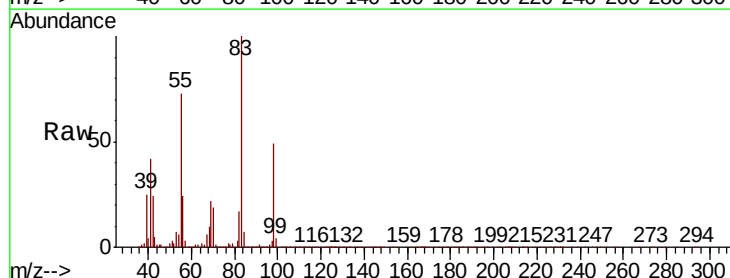
Manual Integrations
 APPROVED

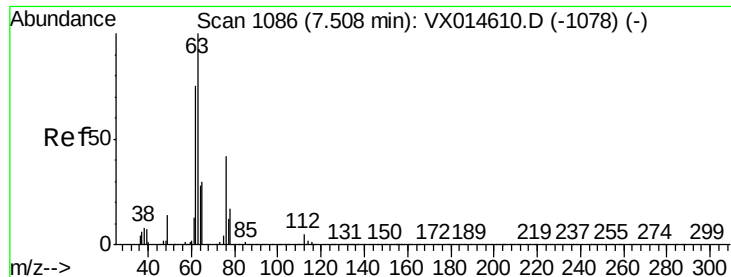
MMDadoda
 2/10/2020 10:49:10 AM



#38
 Methylcyclohexane
 Concen: 20.757 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.0	39.4	118.1
98	50.3	25.1	75.3





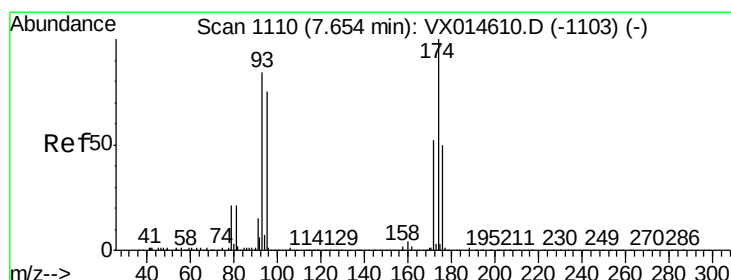
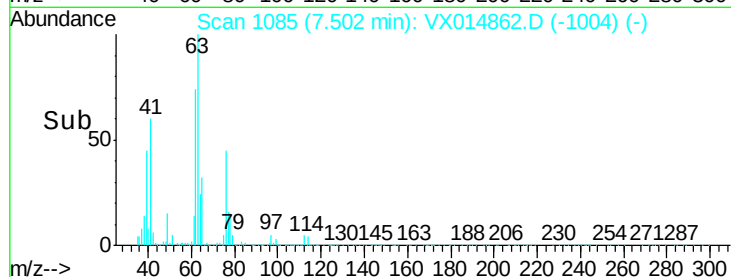
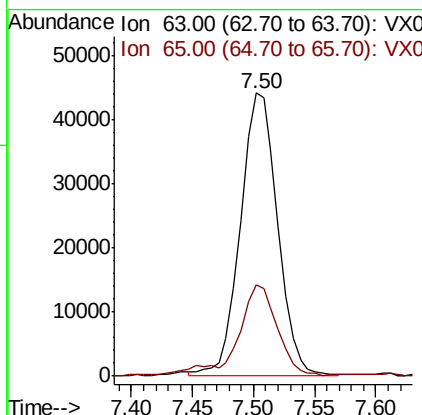
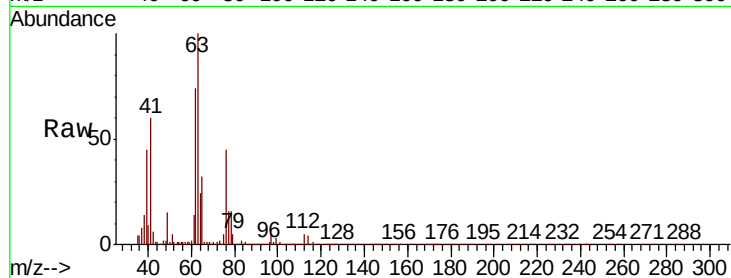
#39
 1,2-Dichloropropane
 Concen: 19.414 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.1	33.1

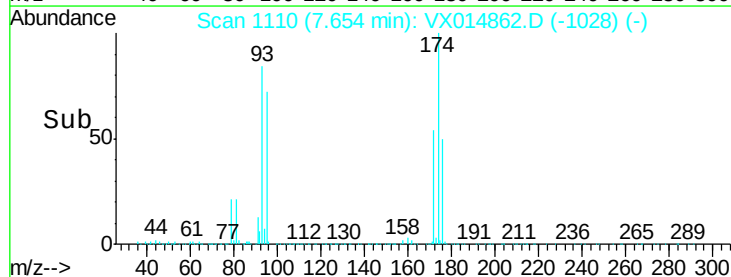
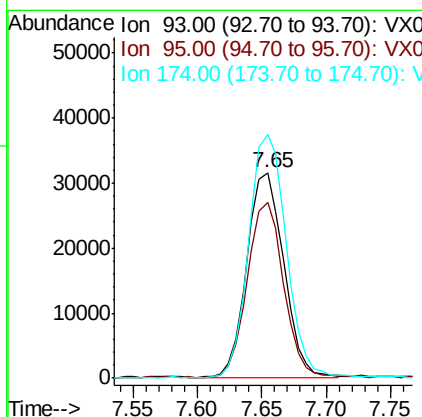
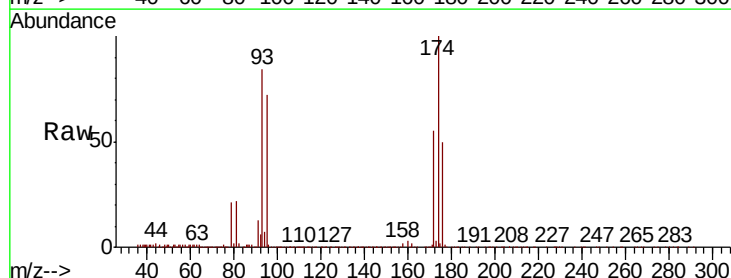
Manual Integrations
 APPROVED

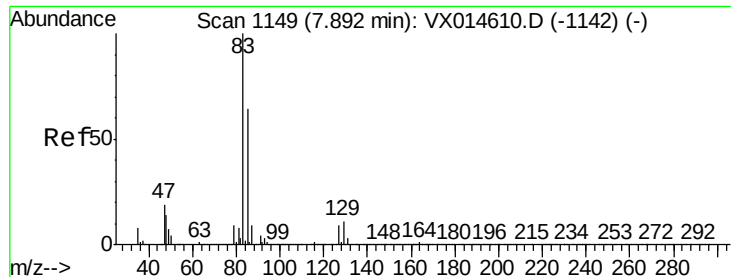
MMDadoda
 2/10/2020 10:49:10 AM



#40
 Dibromomethane
 Concen: 20.413 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	0.0	164.4
174	120.5	0.0	228.8





#41

Bromodichloromethane

Concen: 20.303 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

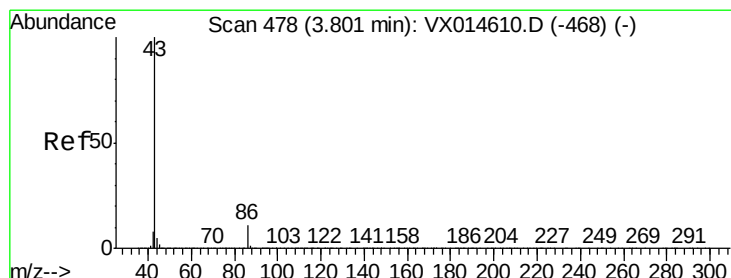
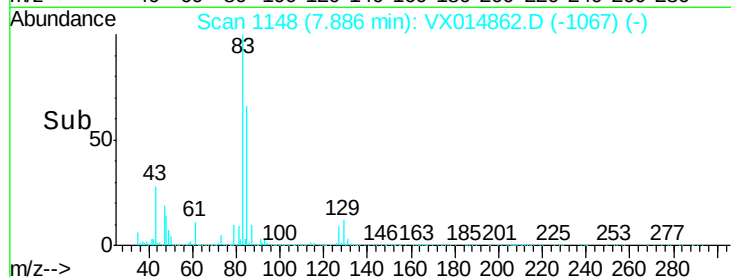
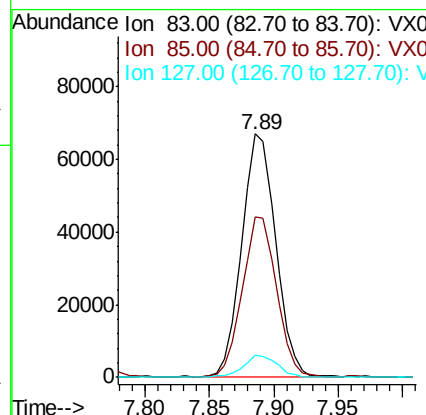
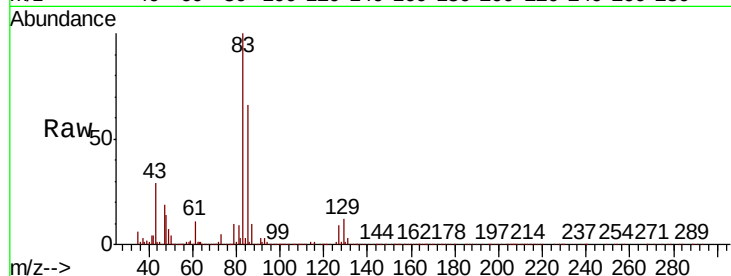
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	122310
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.6	77.4
127	8.9	6.0	9.0

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#42

Vinyl Acetate

Concen: 98.467 ug/l

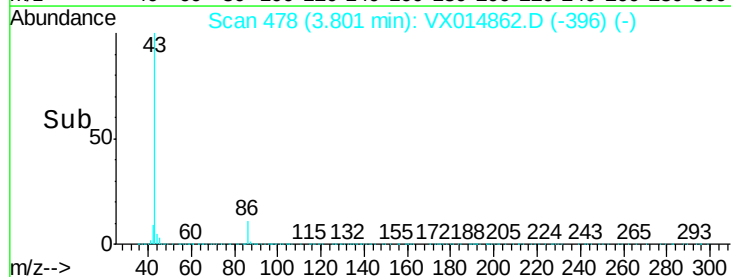
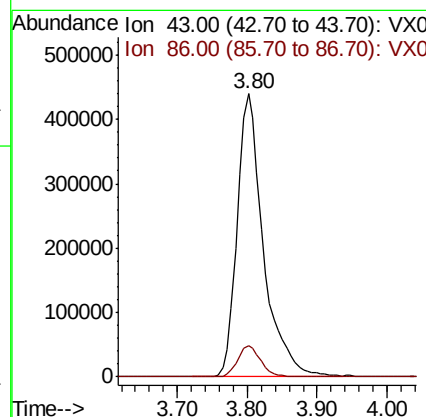
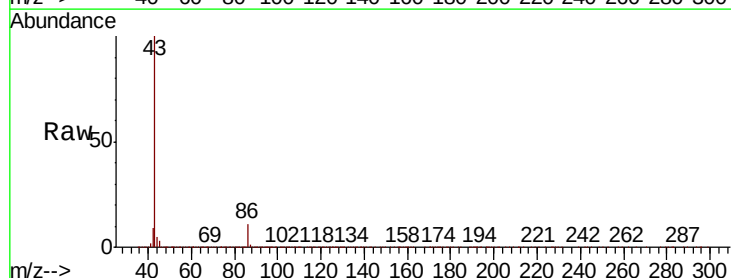
RT: 3.80 min Scan# 478

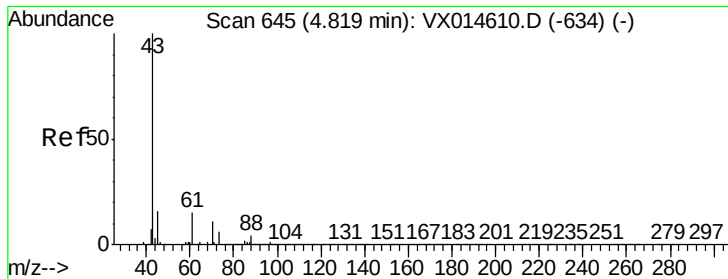
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	43	Resp:	1145260
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.7	11.5





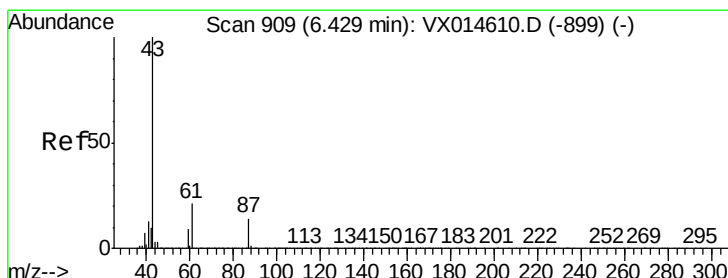
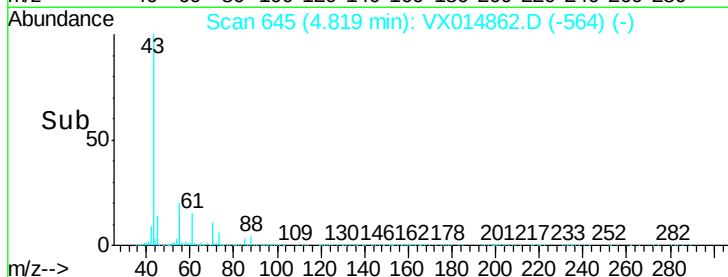
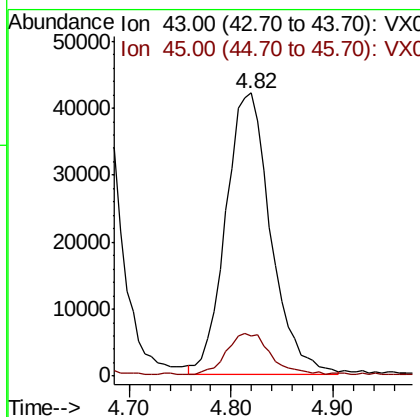
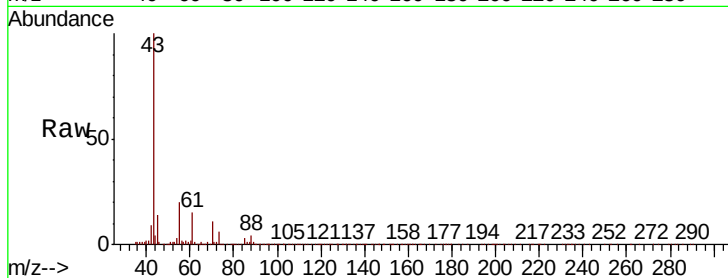
#43
Ethyl Acetate
Concen: 18.884 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
45	8.6	11.8	17.8#

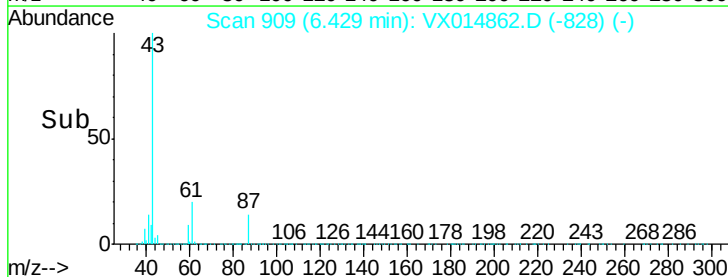
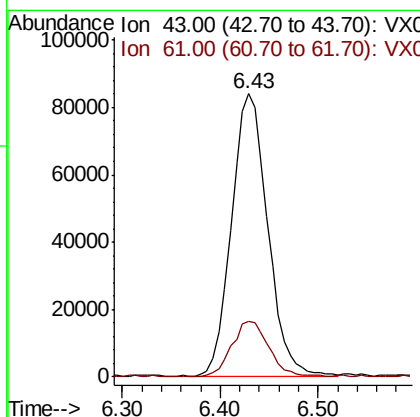
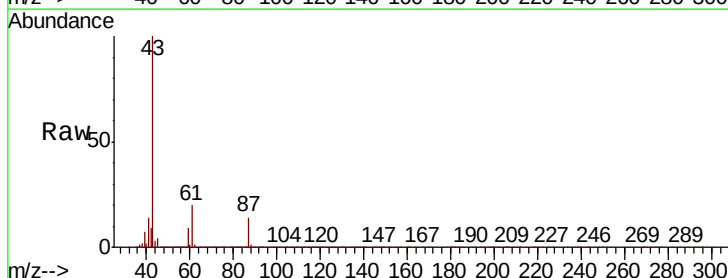
Manual Integrations
APPROVED

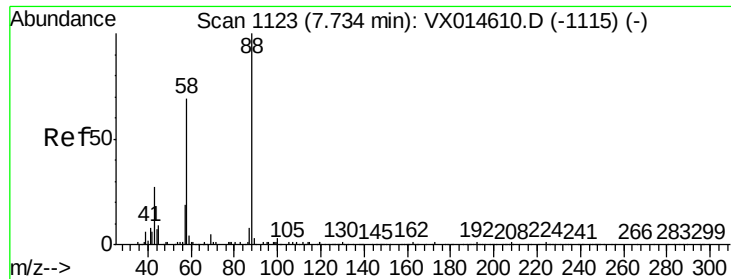
MMDadoda
2/10/2020 10:49:10 AM



#44
Isopropyl Acetate
Concen: 19.566 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.9	23.9





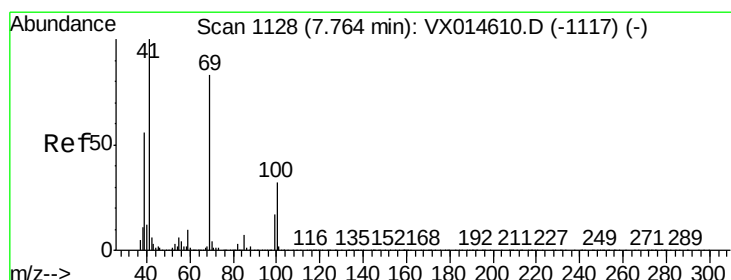
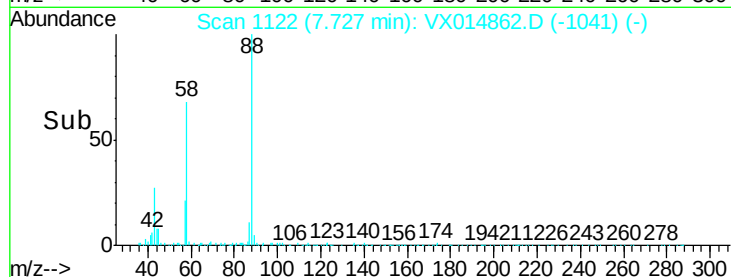
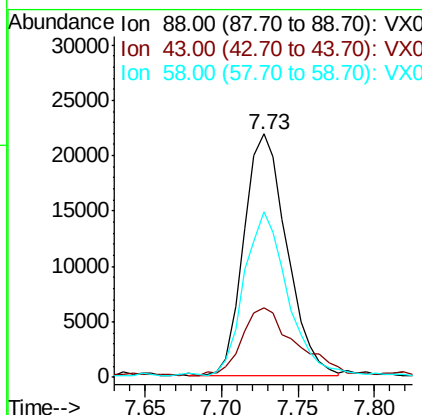
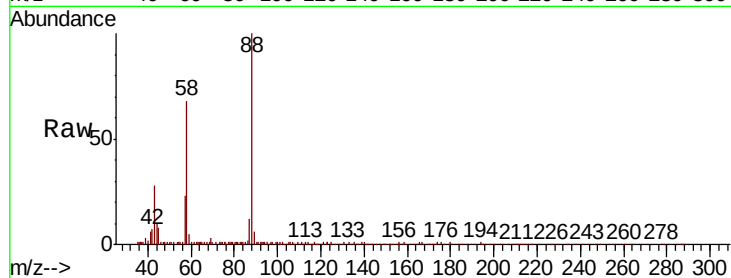
#45
1,4-Dioxane
Concen: 387.890 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.4	38.2
58	67.9	56.5	84.7

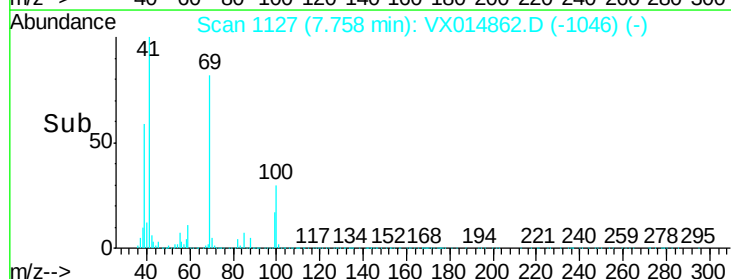
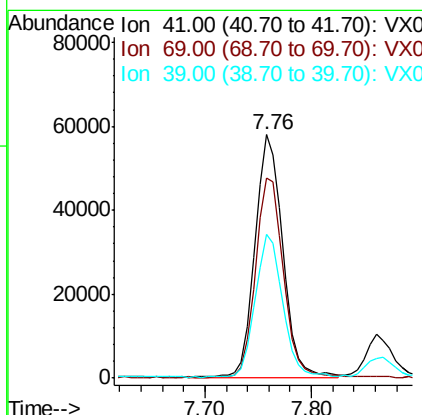
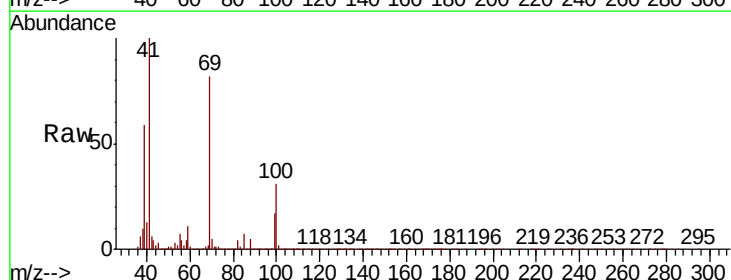
Manual Integrations
APPROVED

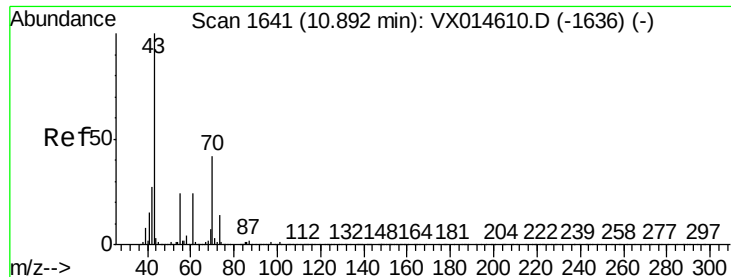
MMDadoda
2/10/2020 10:49:10 AM



#46
Methyl methacrylate
Concen: 19.461 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	40.6	122.0
39	59.1	27.8	83.3





#47

n-amvl Acetate

Concen: 19.438 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 179479

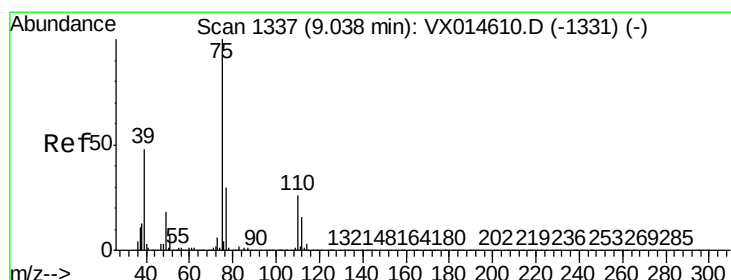
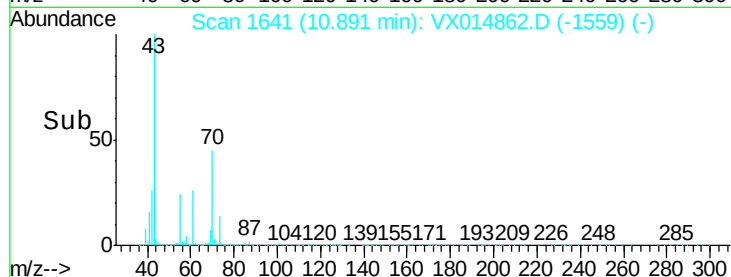
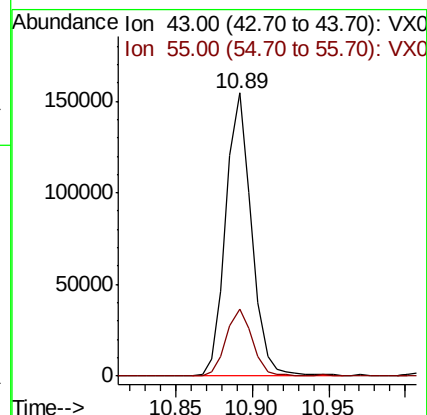
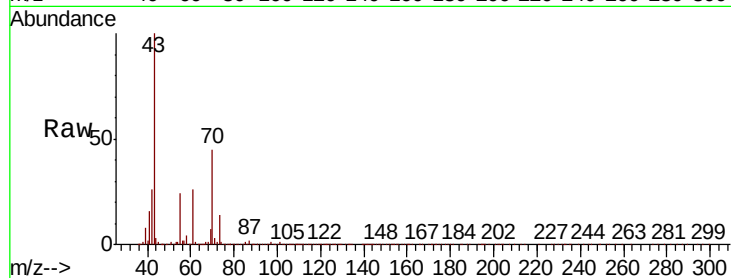
Ion Ratio Lower Upper

43 100

55 24.3 19.4 29.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#48

t-1,3-Dichloropropene

Concen: 21.319 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014862.D

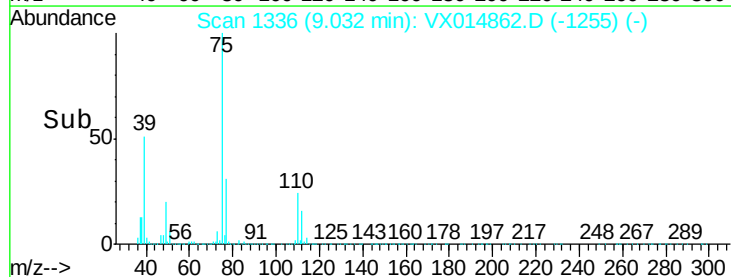
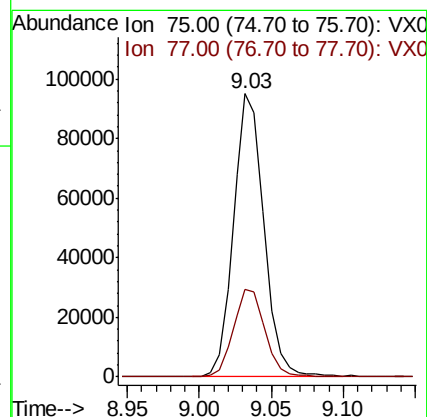
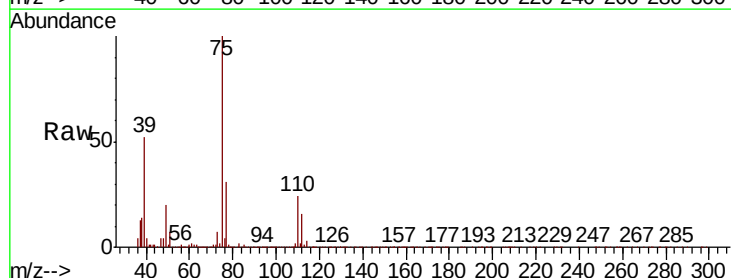
Acq: 07 Feb 2020 10:37

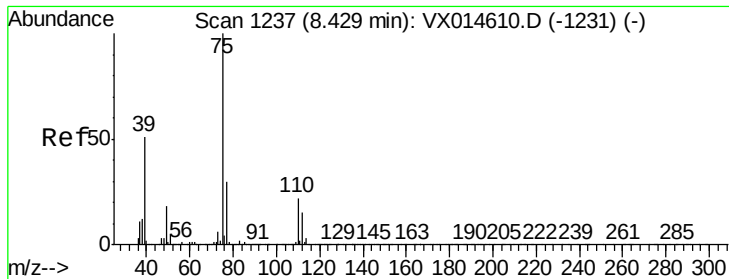
Tgt Ion: 75 Resp: 140215

Ion Ratio Lower Upper

75 100

77 30.8 26.0 39.0





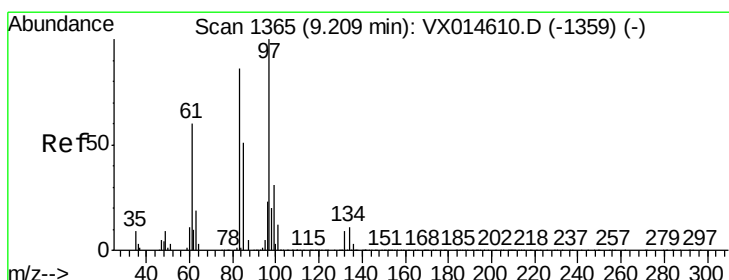
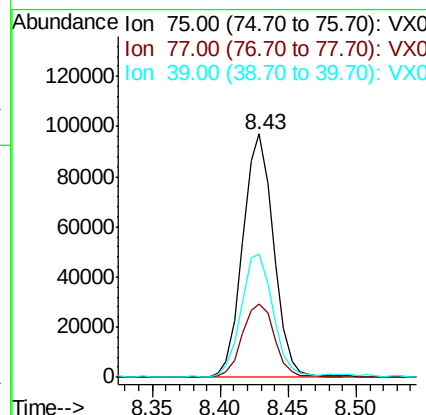
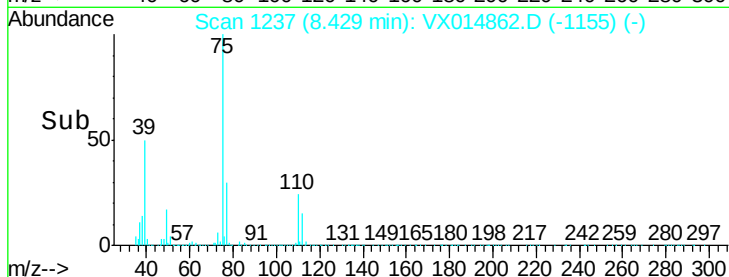
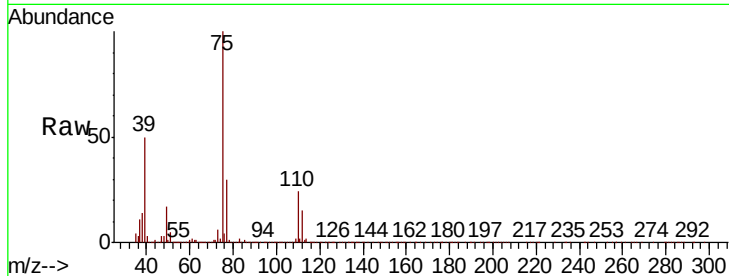
#49
 cis-1,3-Dichloropropene
 Concen: 20.792 ug/l
 RT: 8.43 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.8	37.2
39	49.9	41.1	61.7

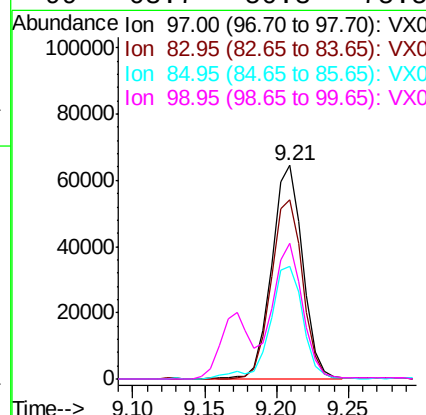
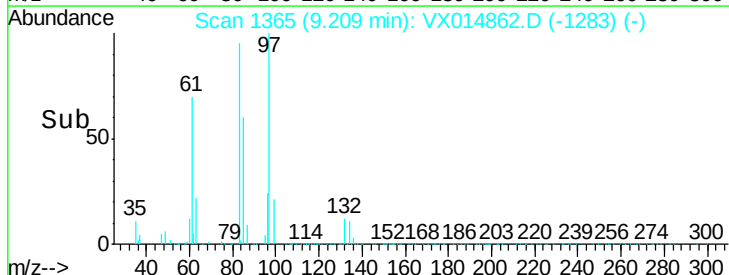
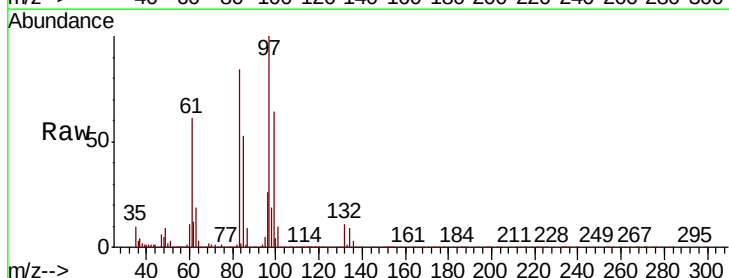
Manual Integrations
 APPROVED

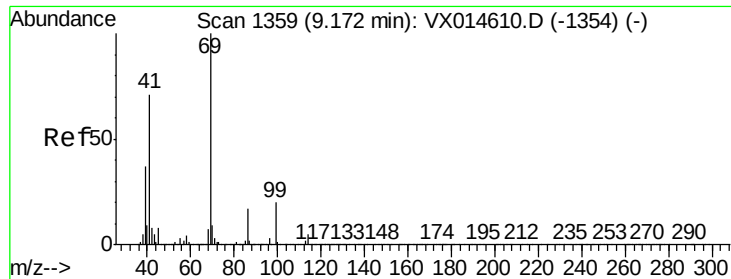
MMDadoda
 2/10/2020 10:49:10 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.581 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.1	102.1
85	52.5	42.7	64.1
99	63.7	50.3	75.5





#51

Ethyl methacrylate

Concen: 19.744 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

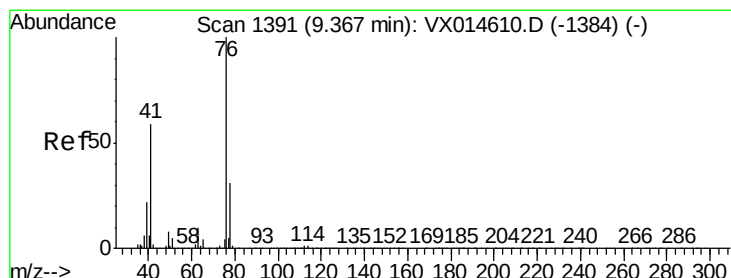
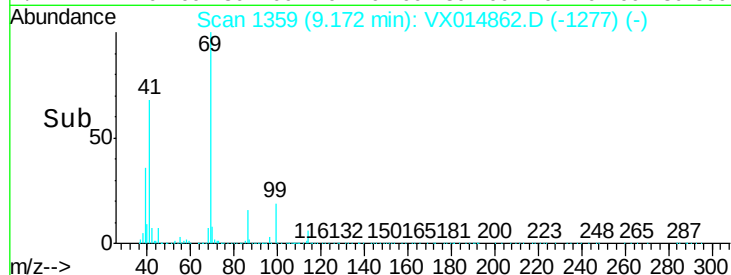
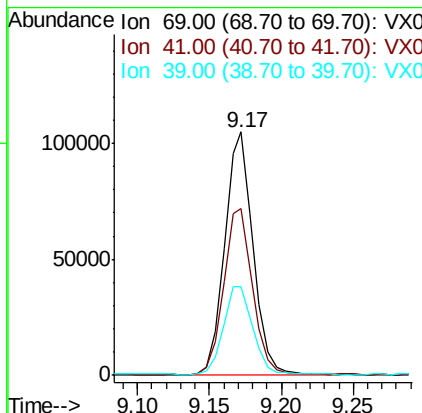
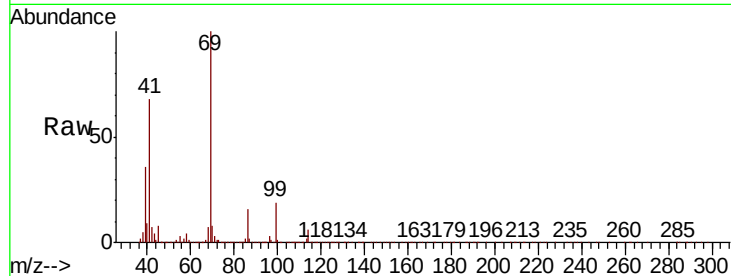
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	143902
Ion Ratio	Lower	Upper	
69	100		
41	68.3	35.4	106.1
39	36.1	17.8	53.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#52

1,3-Dichloropropane

Concen: 20.394 ug/l

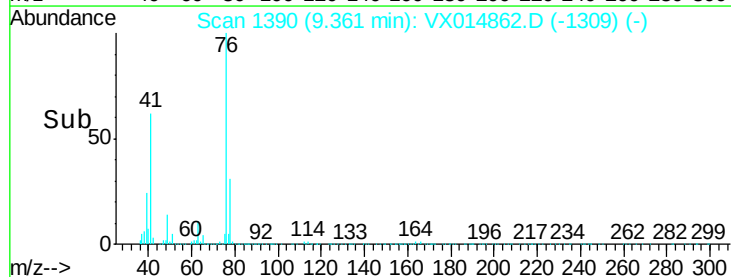
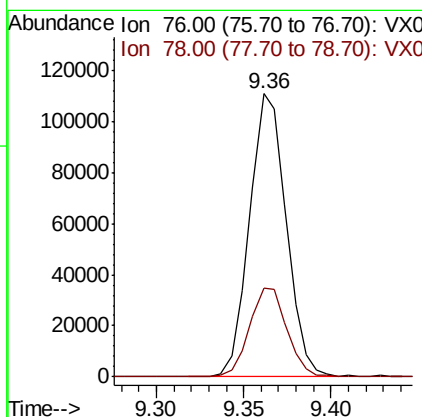
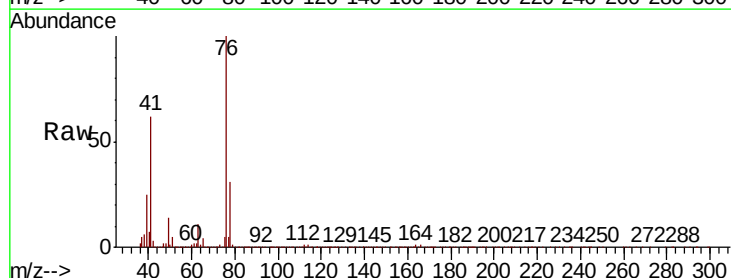
RT: 9.36 min Scan# 1390

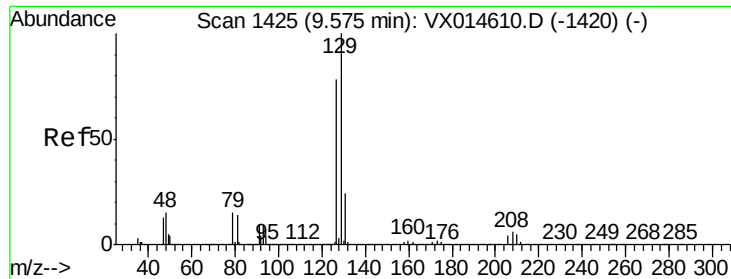
Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	76	Resp:	161742
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	63.4





#53

Dibromochloromethane

Concen: 21.072 ug/l

RT: 9.57 min Scan# 1425

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 100894

Ion Ratio Lower Upper

129 100

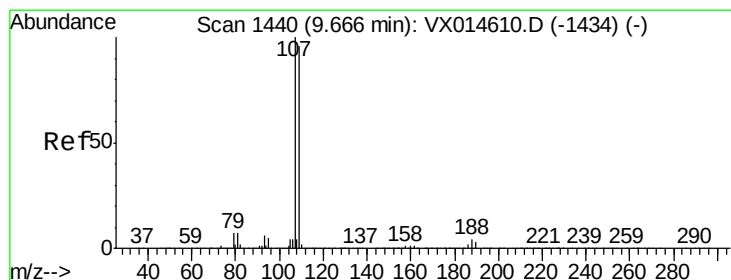
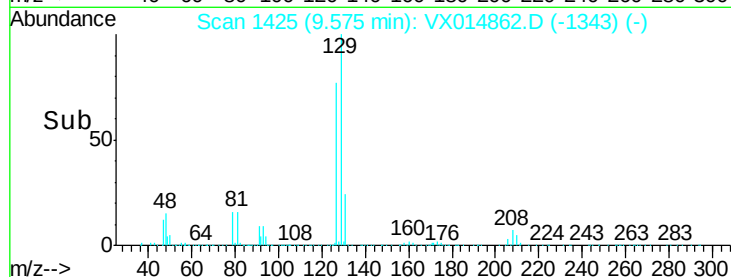
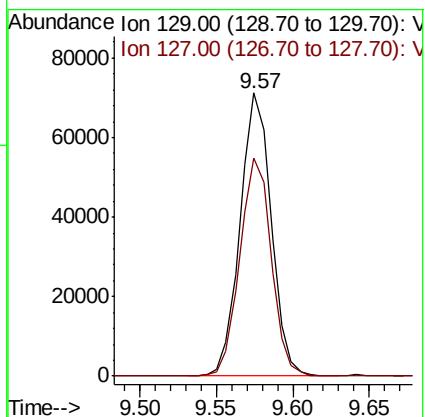
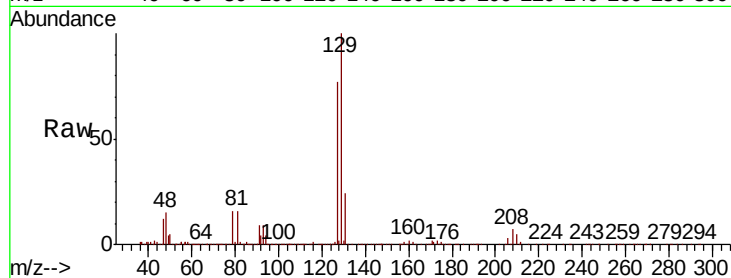
127 77.2 39.1 117.5

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#54

1,2-Dibromoethane

Concen: 21.095 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014862.D

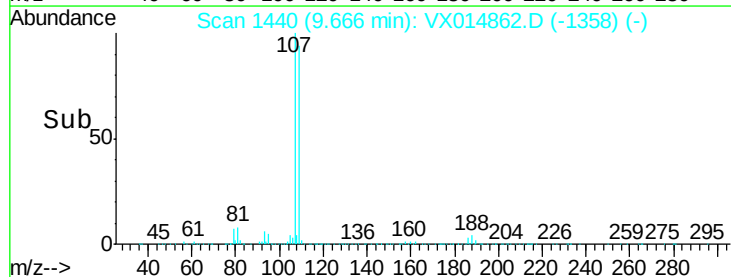
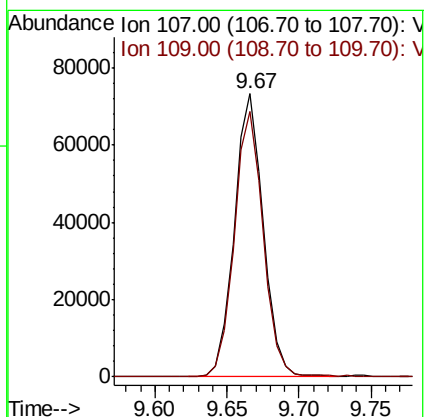
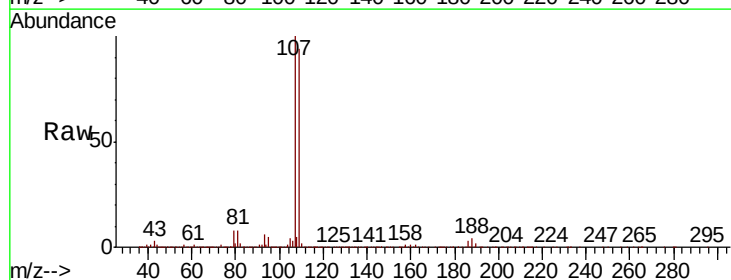
Acq: 07 Feb 2020 10:37

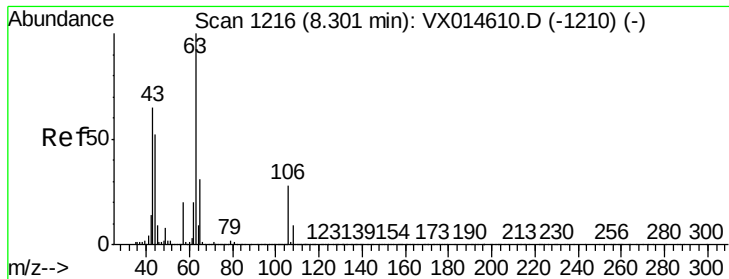
Tgt Ion:107 Resp: 102413

Ion Ratio Lower Upper

107 100

109 93.1 77.2 115.8





#55

2-Chloroethyl vinyl ether

Concen: 96.194 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

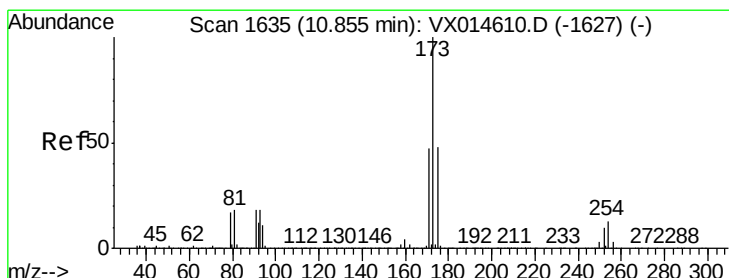
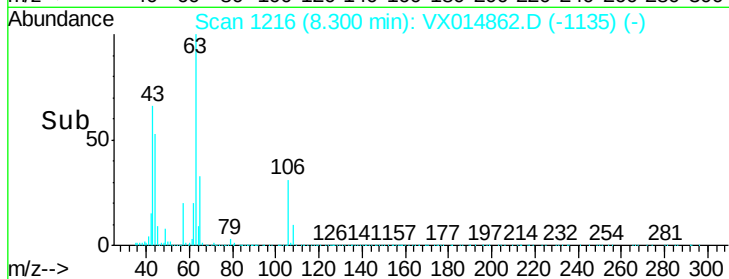
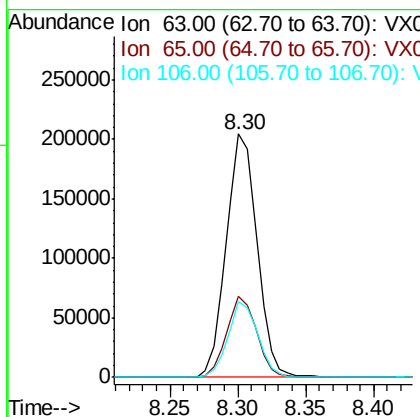
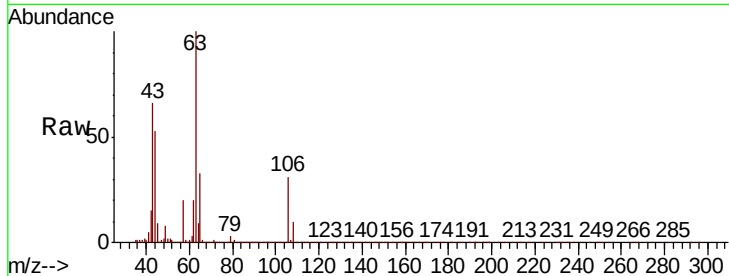
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	322216
Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.8	38.6
106	30.3	22.9	34.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#56

Bromoform

Concen: 20.912 ug/l

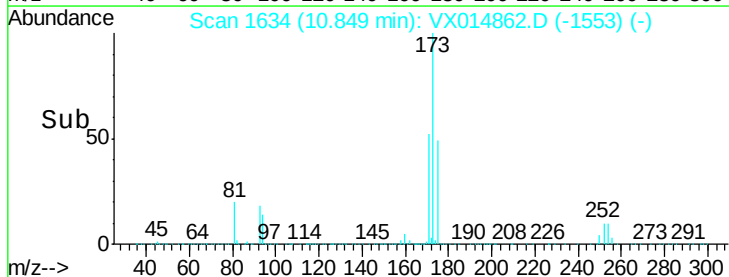
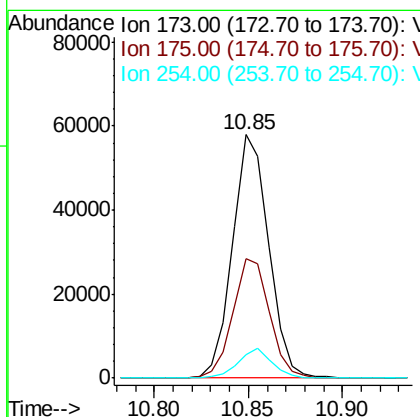
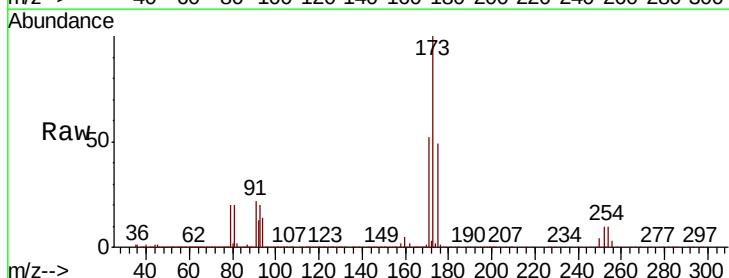
RT: 10.85 min Scan# 1634

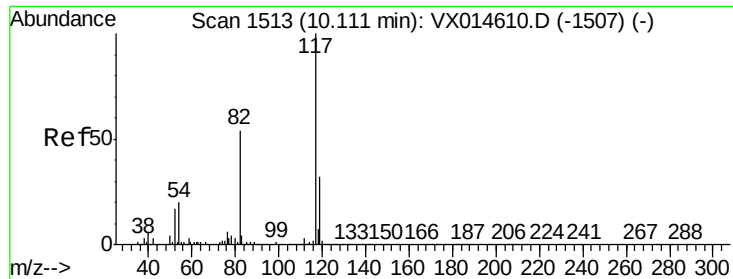
Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	173	Resp:	77125
Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.5	59.3
254	11.5	8.2	12.4





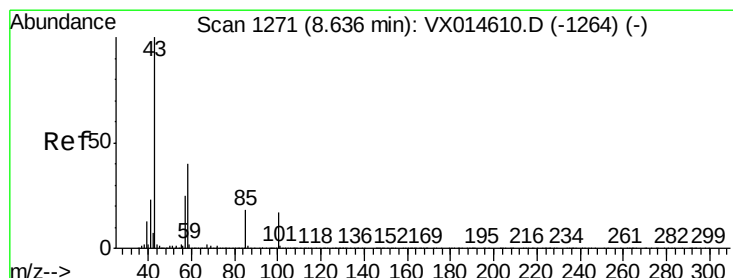
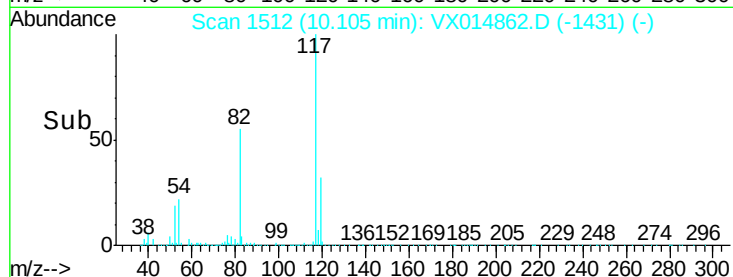
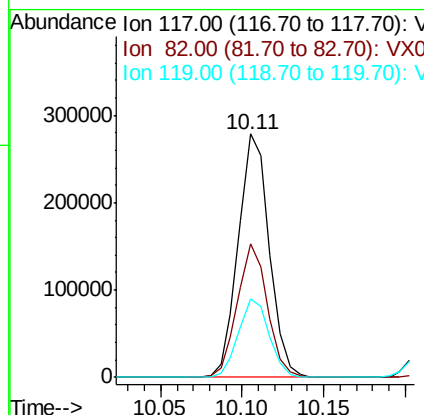
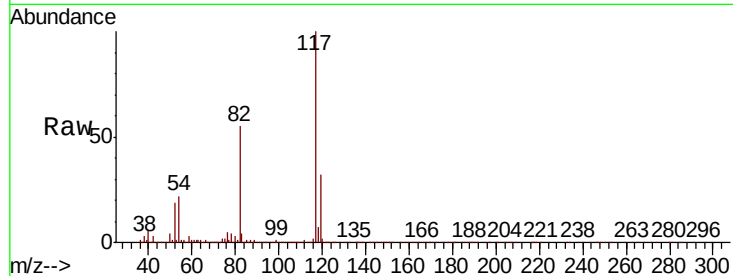
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.8	65.6
119	32.4	25.8	38.6

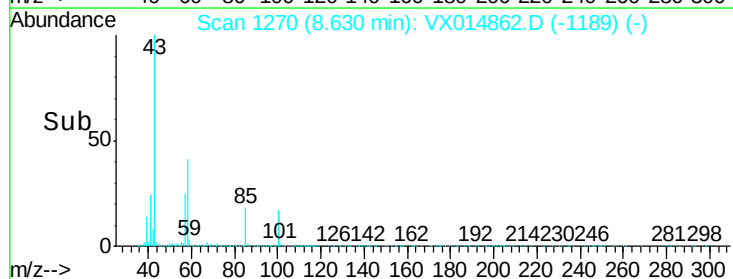
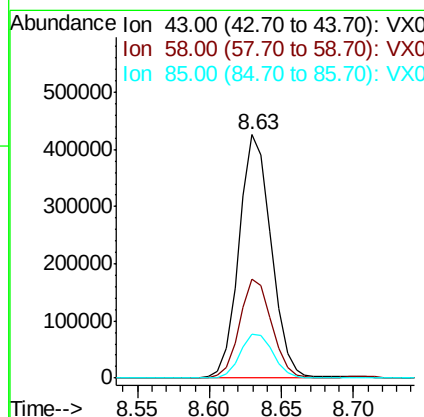
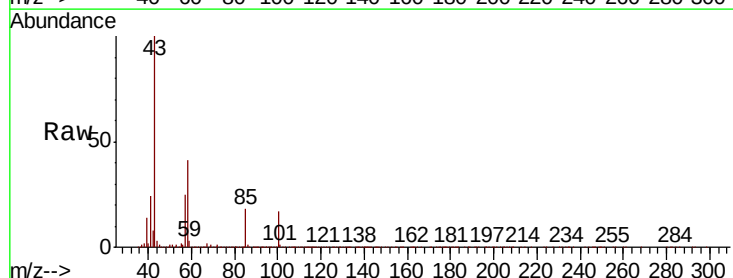
Manual Integrations
APPROVED

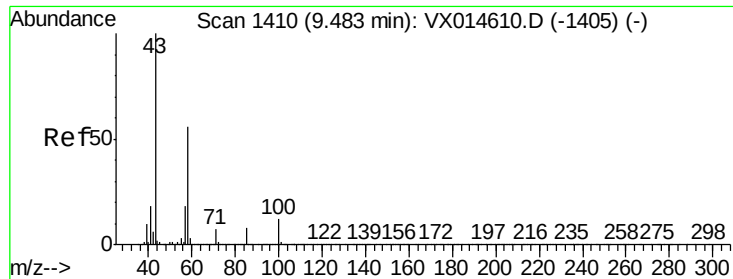
MMDadoda
2/10/2020 10:49:10 AM



#58
4-Methyl-2-Pentanone
Concen: 95.294 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.3	31.2	46.8
85	18.5	14.2	21.2





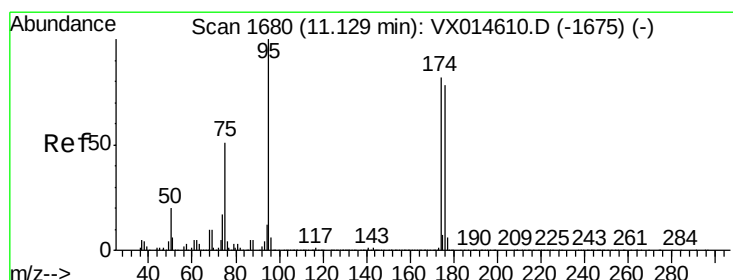
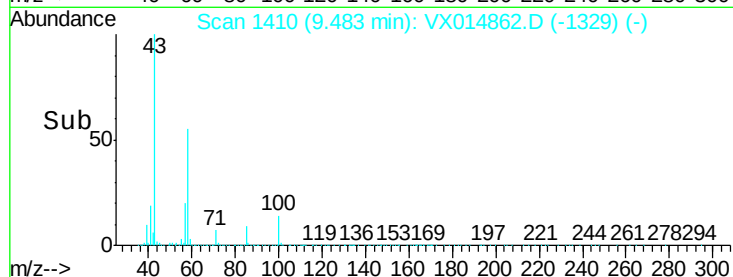
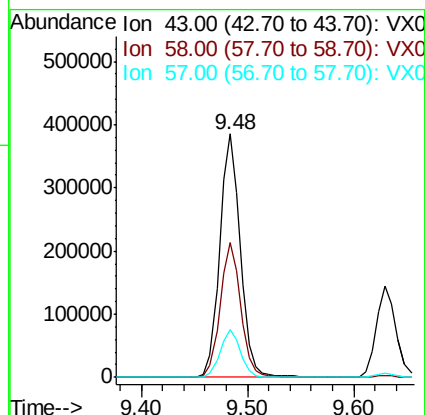
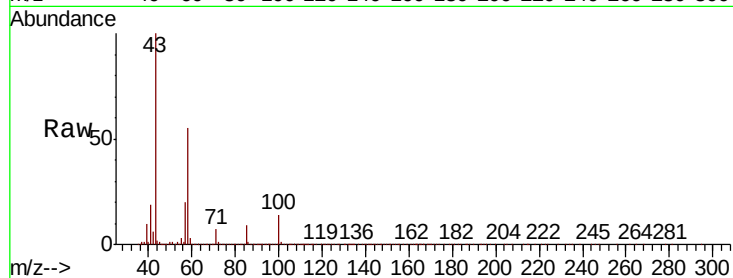
#59
2-Hexanone
Concen: 95.817 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	43	Resp:	514727
Ion Ratio	Lower	Upper	
43	100		
58	55.2	43.8	65.6
57	19.4	15.4	23.0

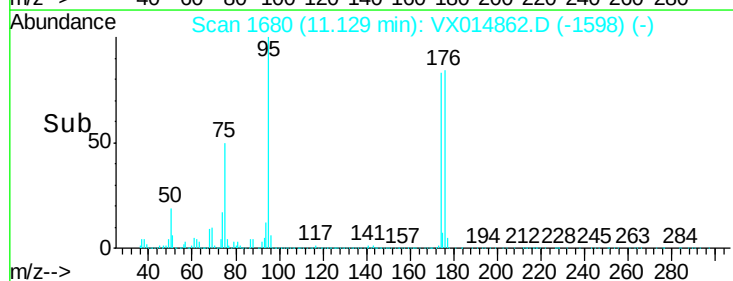
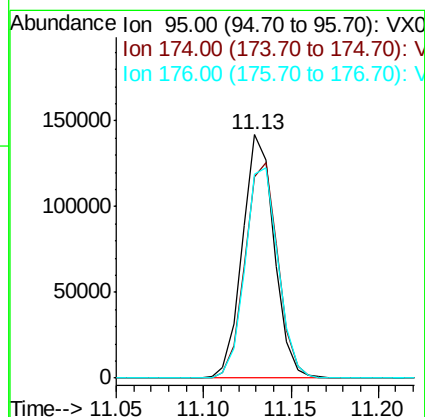
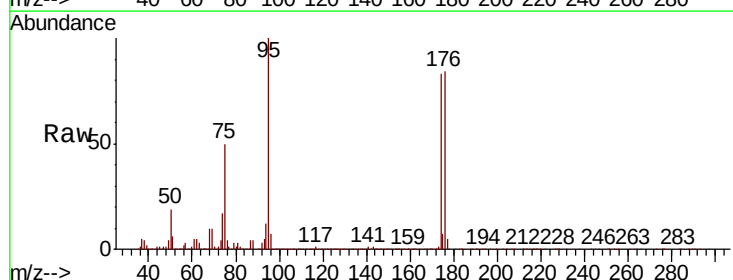
Manual Integrations
APPROVED

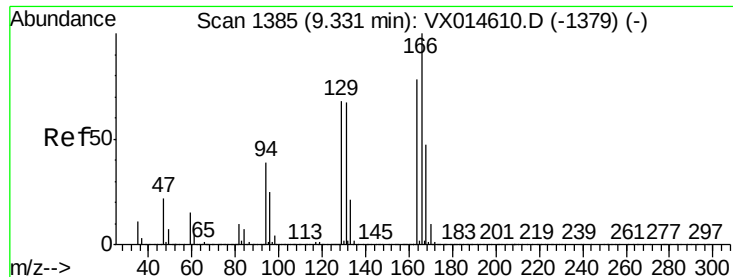
MMDadoda
2/10/2020 10:49:10 AM



#60
4-Bromofluorobenzene
Concen: 30.306 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion:	95	Resp:	178878
Ion Ratio	Lower	Upper	
95	100		
174	91.6	70.2	105.2
176	90.2	68.3	102.5





#61

Tetrachloroethene

Concen: 20.674 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

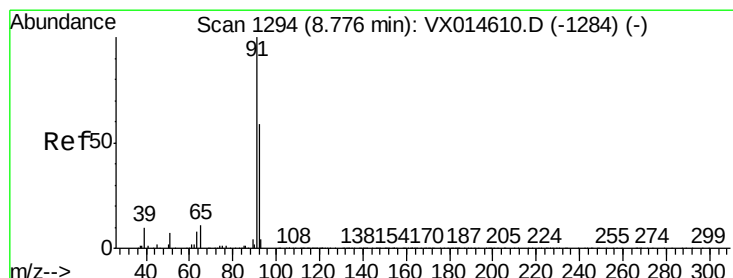
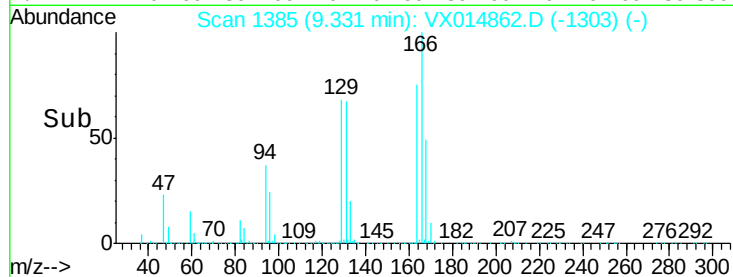
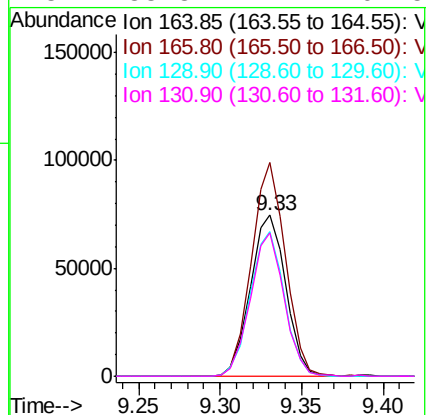
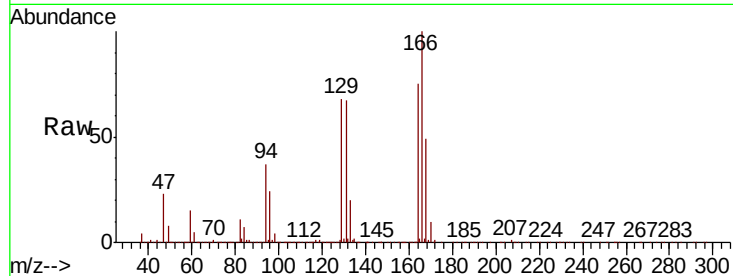
ClientSampled :

VSTDCCC020

Tot Ion:	164	Resp:	112711
Ion Ratio	Lower	Upper	
164	100		
166	132.4	104.2	156.2
129	89.9	71.6	107.4
131	88.8	71.7	107.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#62

Toluene

Concen: 20.537 ug/l

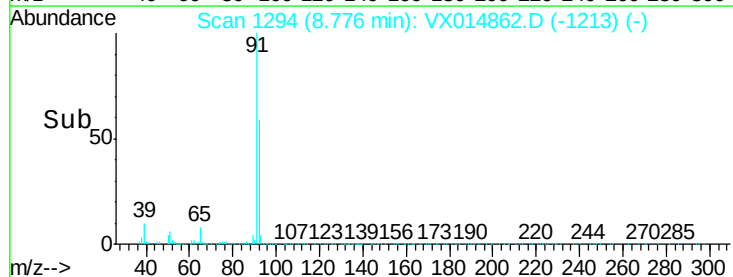
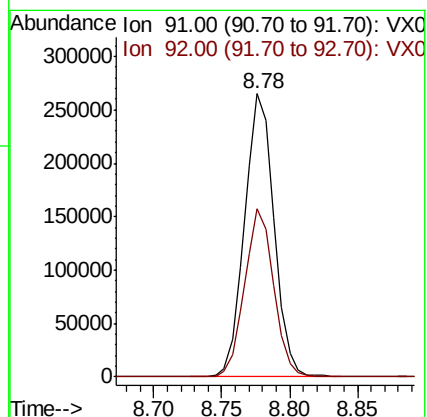
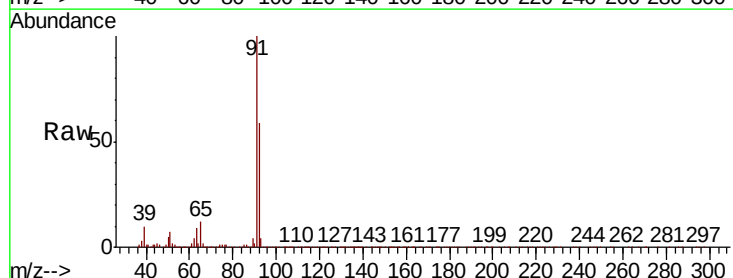
RT: 8.78 min Scan# 1294

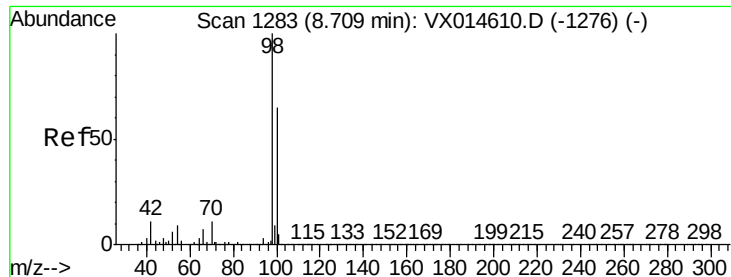
Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	91	Resp:	401906
Ion Ratio	Lower	Upper	
91	100		
92	58.5	46.4	69.6





#63

Toluene-d8

Concen: 29.459 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 490813

Ion Ratio Lower Upper

98 100

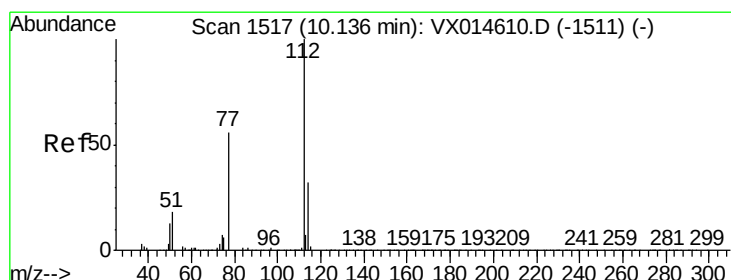
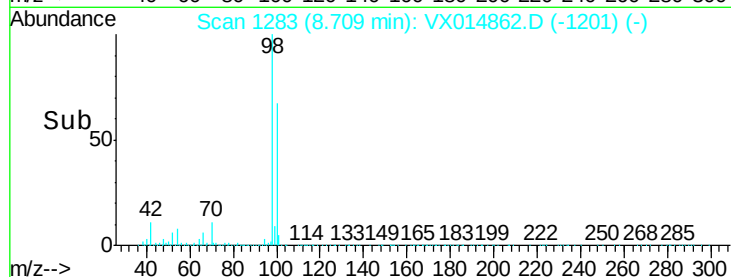
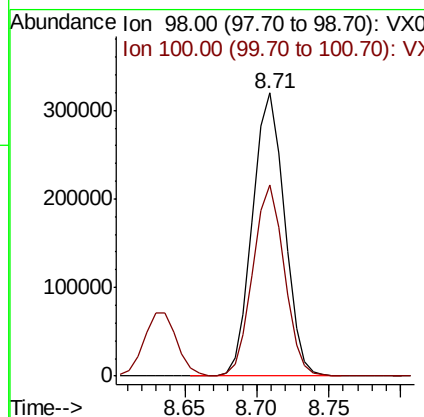
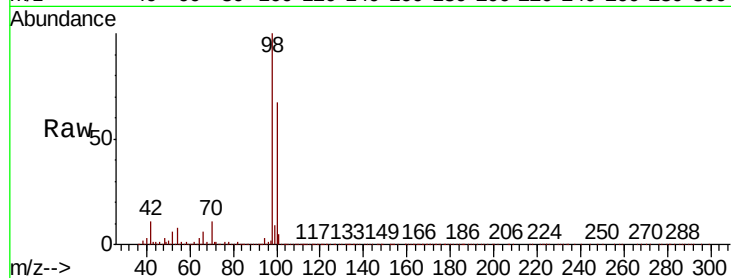
100 66.1 52.2 78.2

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#64

Chlorobenzene

Concen: 21.218 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX014862.D

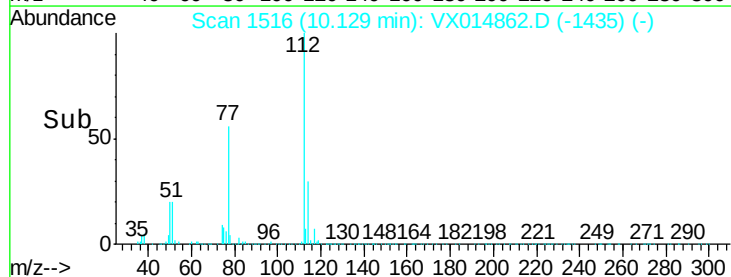
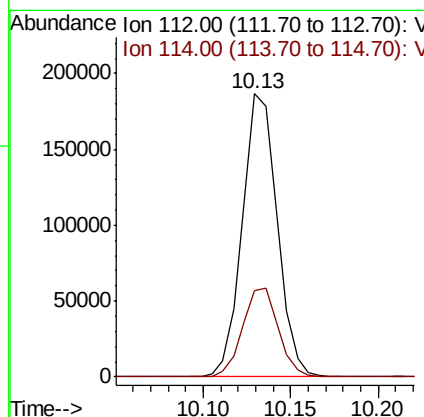
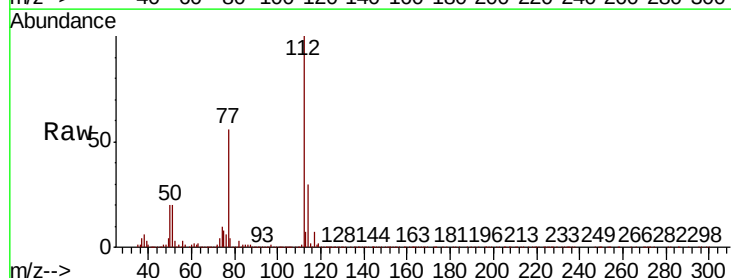
Acq: 07 Feb 2020 10:37

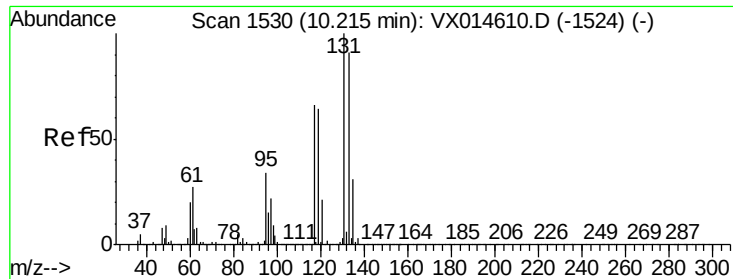
Tgt Ion: 112 Resp: 259207

Ion Ratio Lower Upper

112 100

114 30.4 24.4 36.6





#65

1,1,1,2-Tetrachloroethane

Concen: 21.340 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

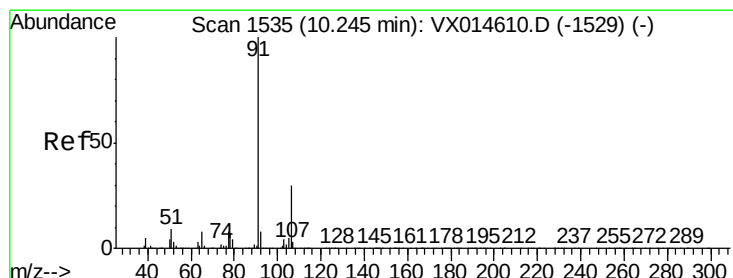
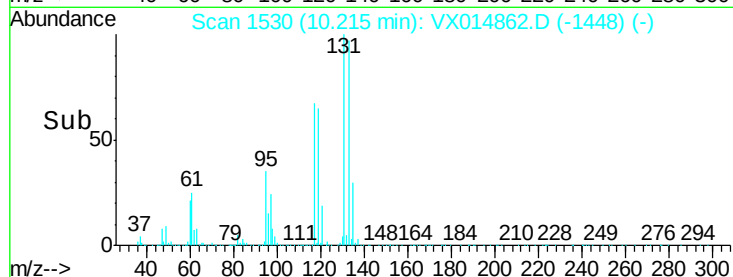
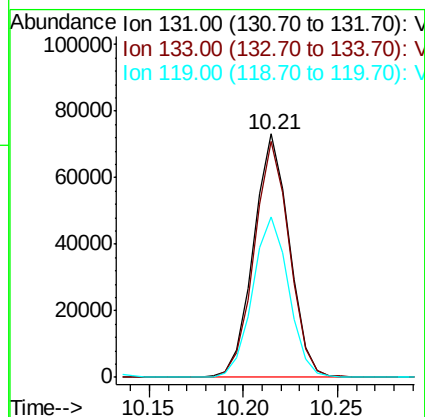
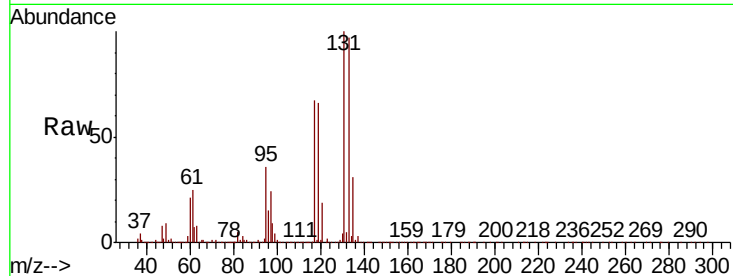
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	96285
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	189.8
119	66.4	0.0	132.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#66

Ethyl Benzene

Concen: 21.129 ug/l

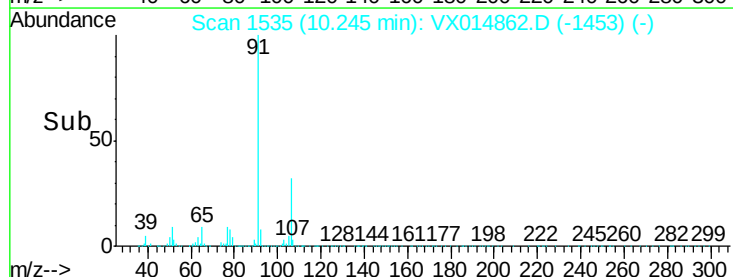
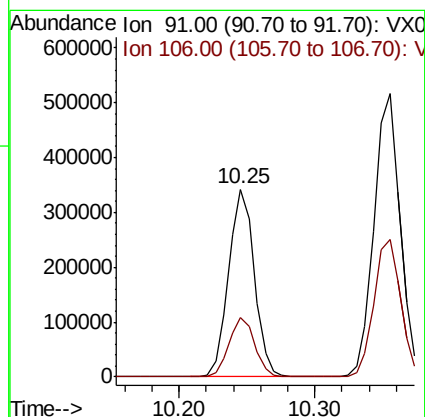
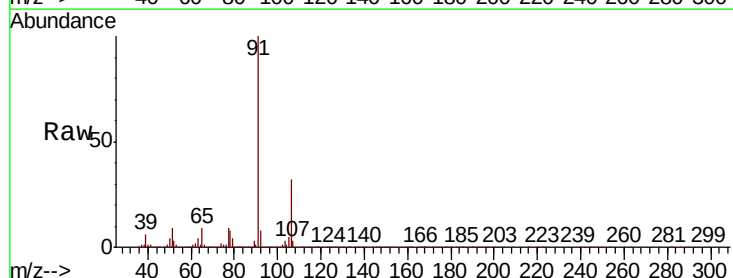
RT: 10.25 min Scan# 1535

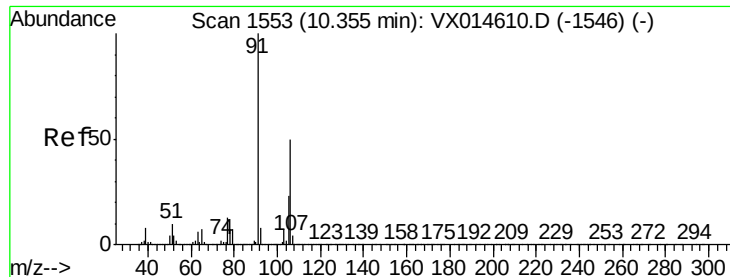
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	91	Resp:	450362
Ion Ratio	Lower	Upper	
91	100		
106	31.5	24.2	36.2





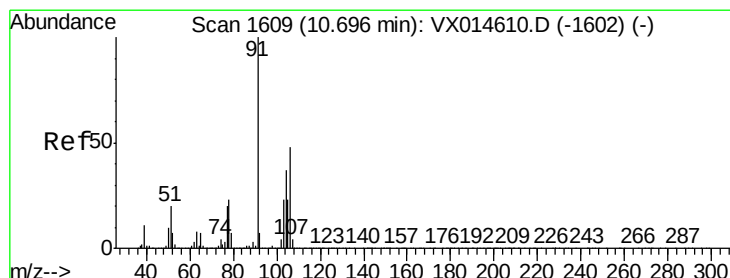
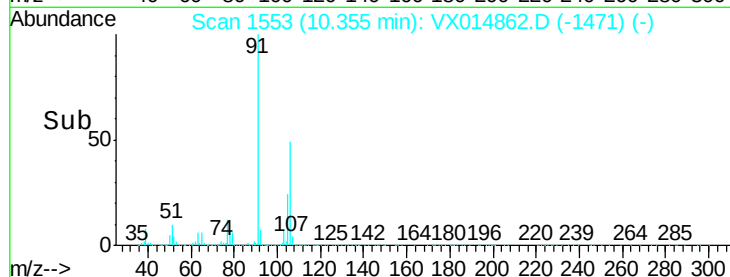
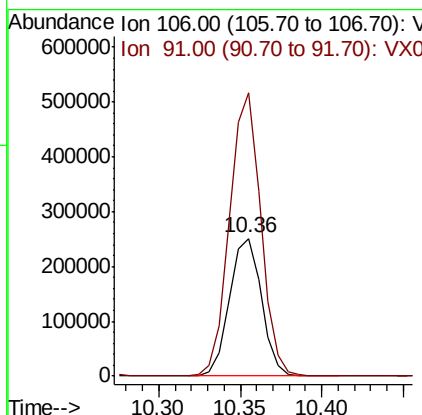
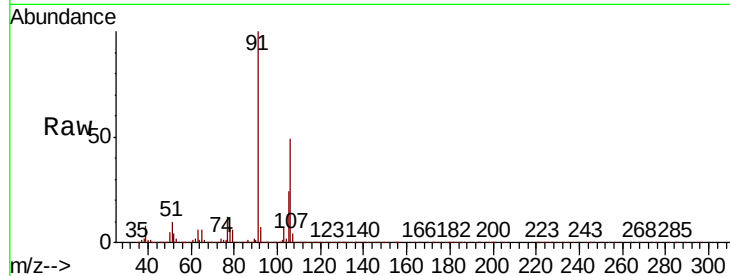
#67
m/p-Xylenes
Concen: 41.865 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.7	159.3	238.9

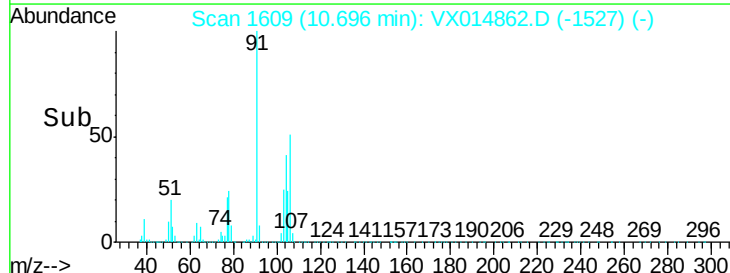
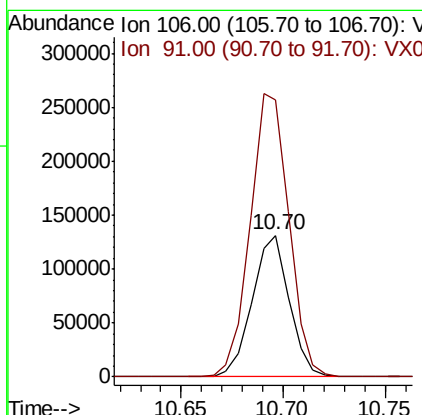
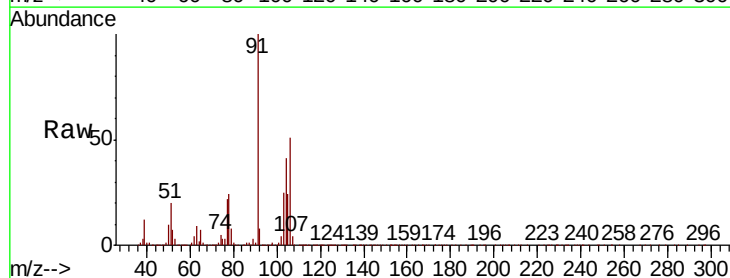
Manual Integrations
APPROVED

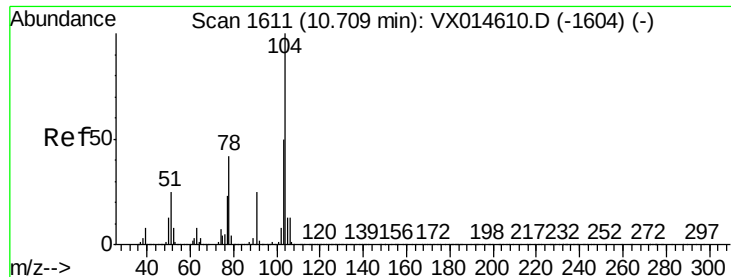
MMDadoda
2/10/2020 10:49:10 AM



#68
o-Xylene
Concen: 20.882 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.9	104.8	314.6





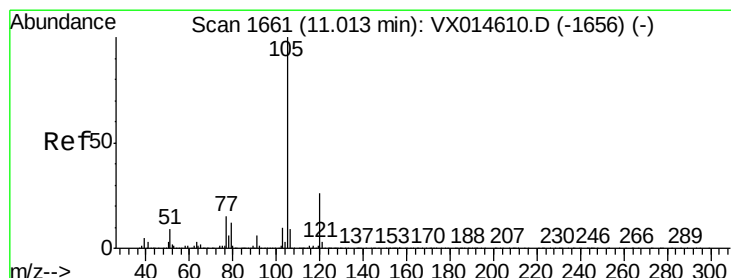
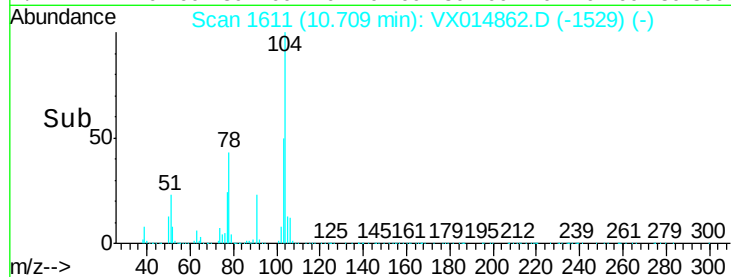
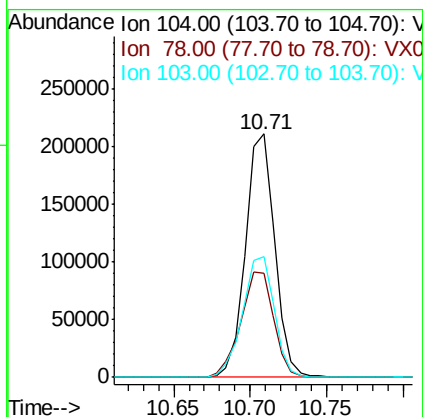
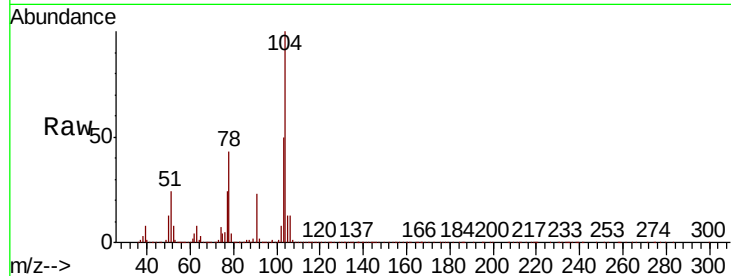
#69
Stvrene
Concen: 20.801 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.9	58.3
103	54.2	44.2	66.2

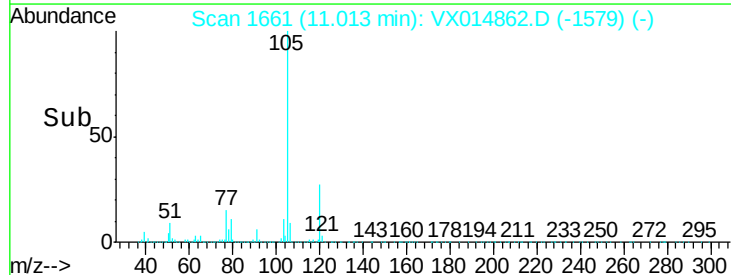
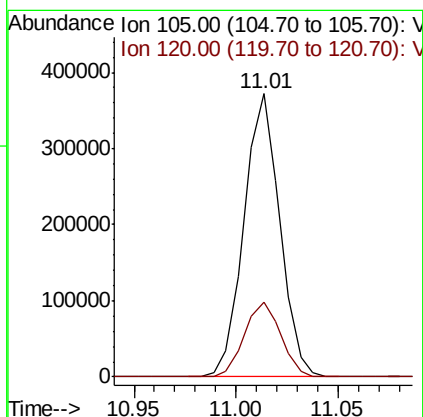
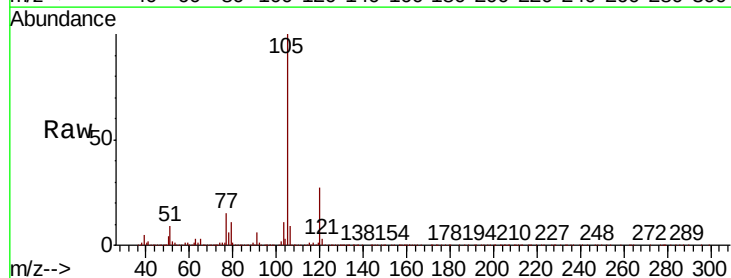
Manual Integrations
APPROVED

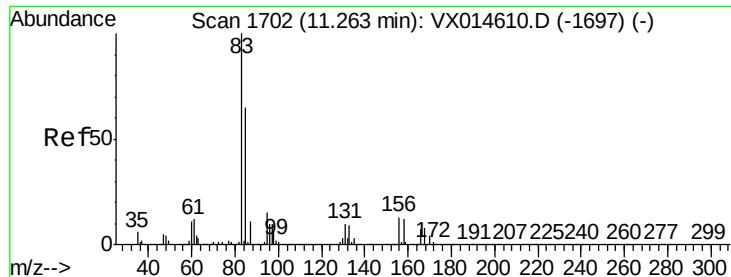
MMDadoda
2/10/2020 10:49:10 AM



#70
Isopropylbenzene
Concen: 21.770 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	19.1	35.5





#71

1,1,2,2-Tetrachloroethane

Concen: 19.649 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

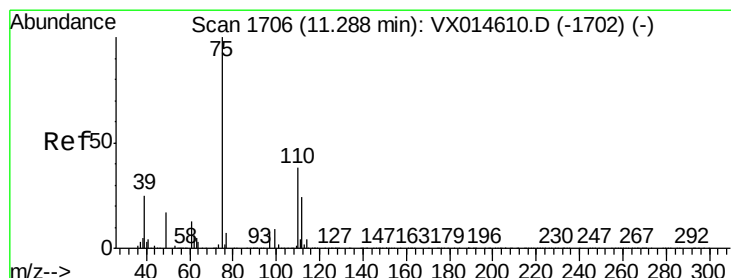
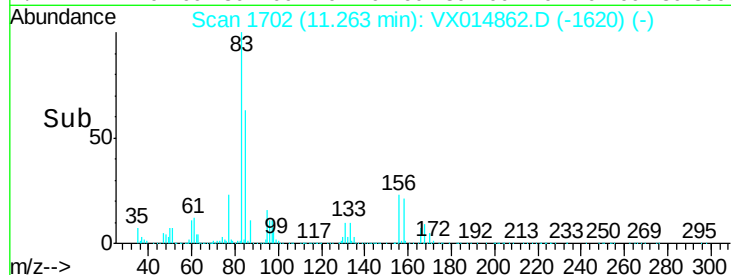
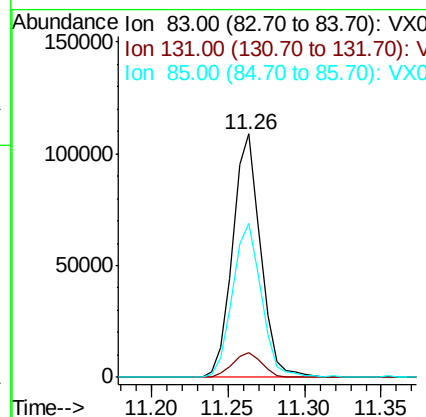
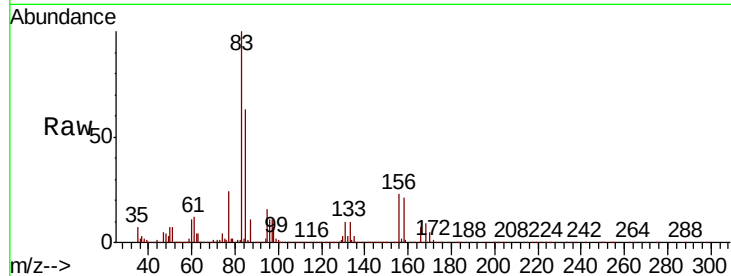
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	137858
Ion Ratio	Lower	Upper	
83	100		
131	11.0	4.9	14.7
85	64.9	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#72

1,2,3-Trichloropropane

Concen: 20.039 ug/l m

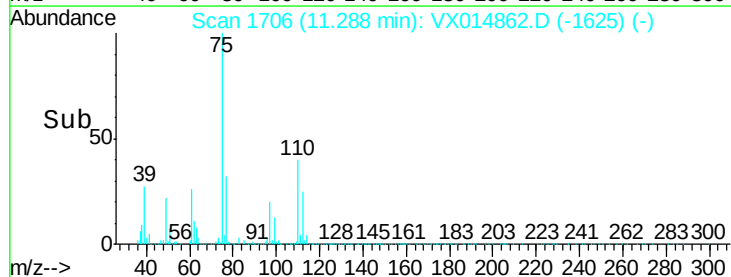
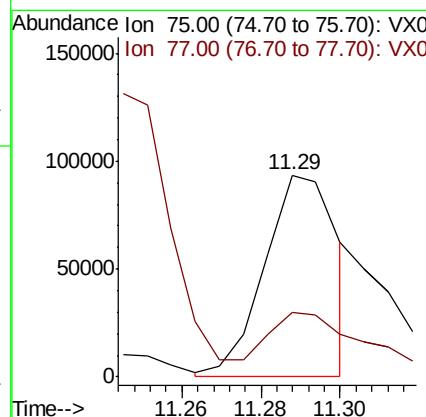
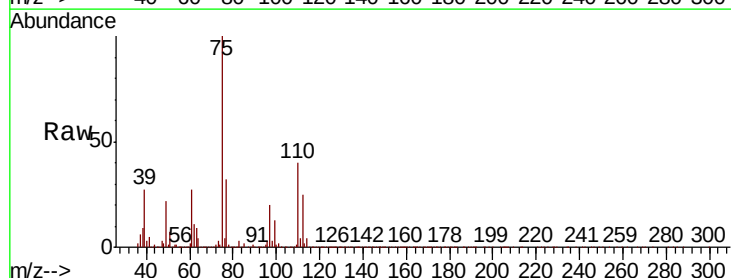
RT: 11.29 min Scan# 1706

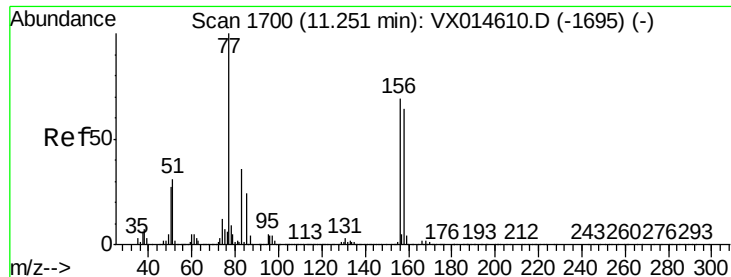
Delta R.T. -0.01 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	75	Resp:	120265
Ion Ratio	Lower	Upper	
75	100		
77	41.8	0.0	68.4





#73

Bromobenzene

Concen: 21.797 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

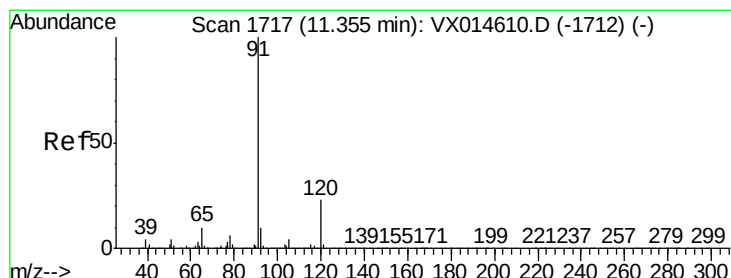
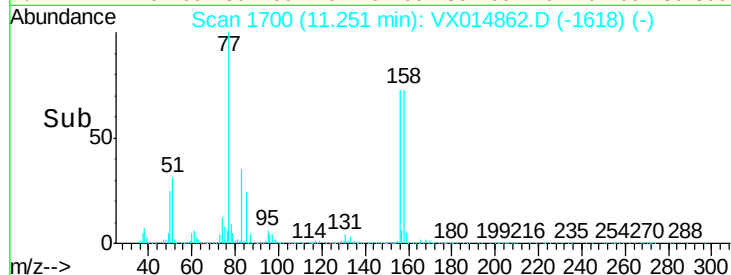
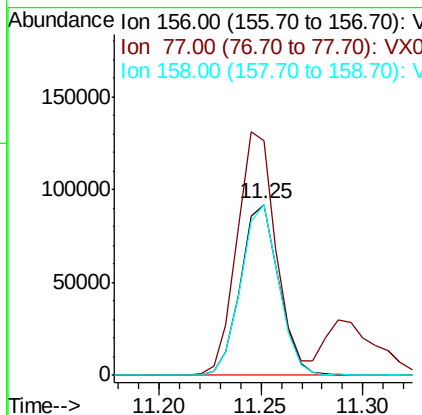
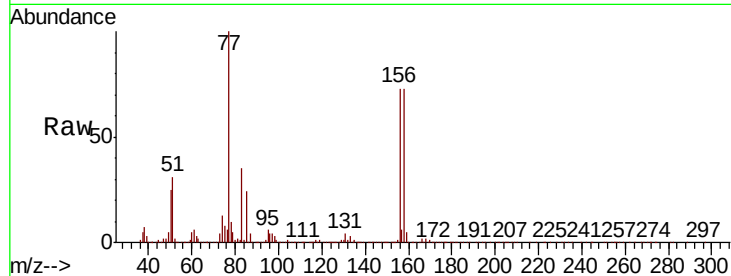
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	120350
Ion Ratio	Lower	Upper	
156	100		
77	143.3	0.0	304.6
158	97.5	0.0	195.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#74

n-propylbenzene

Concen: 21.652 ug/l

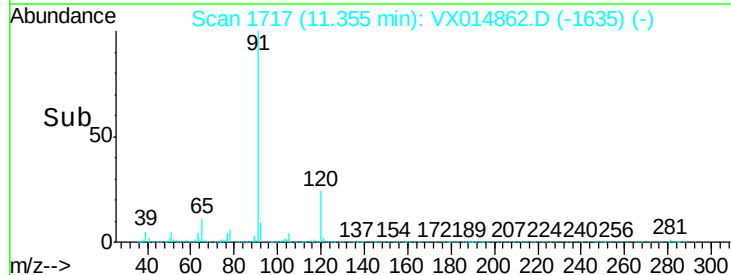
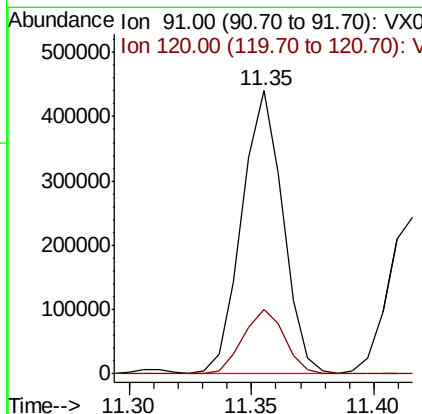
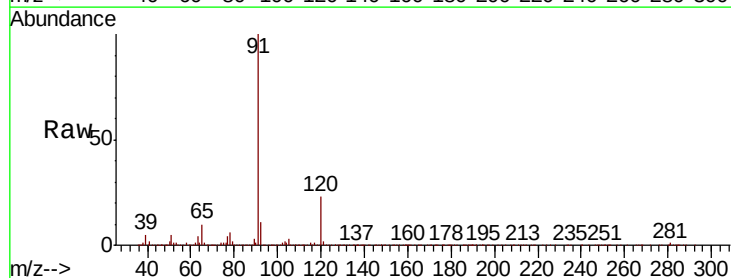
RT: 11.35 min Scan# 1717

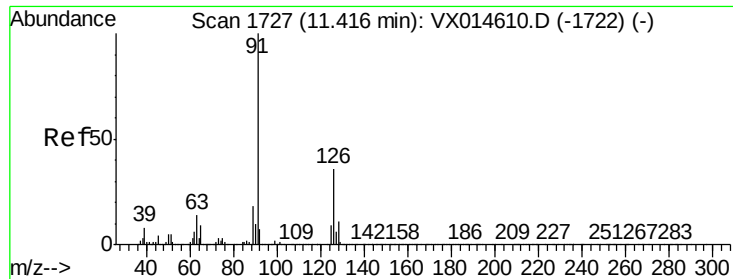
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	91	Resp:	515327
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	44.8





#75

2-Chlorotoluene

Concen: 21.051 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 300281

Ion Ratio Lower Upper

91 100

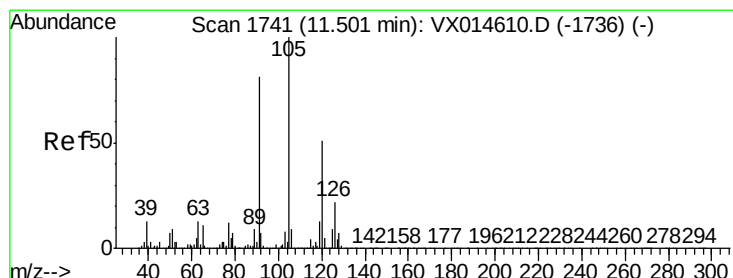
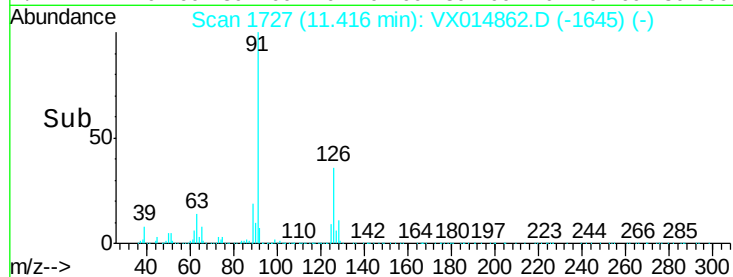
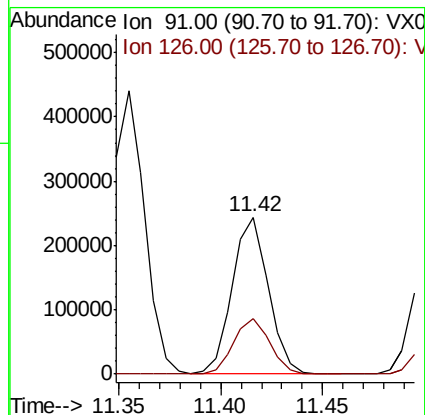
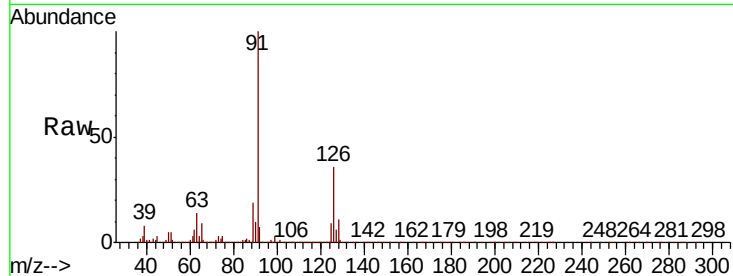
126 35.1 0.0 70.8

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



#76

1,3,5-Trimethylbenzene

Concen: 21.595 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014862.D

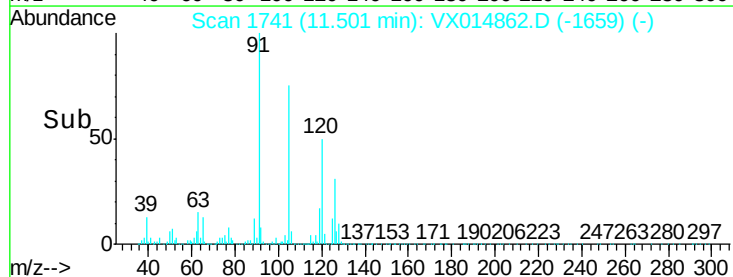
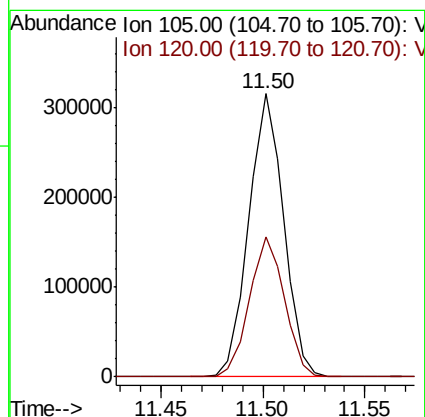
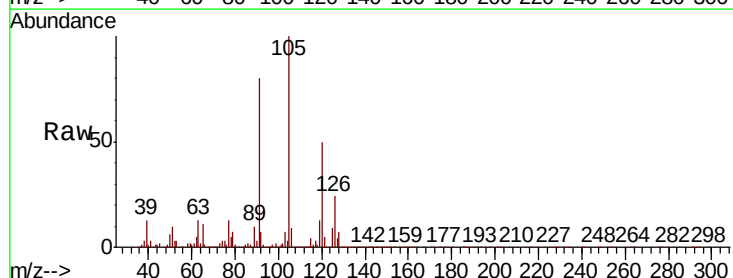
Acq: 07 Feb 2020 10:37

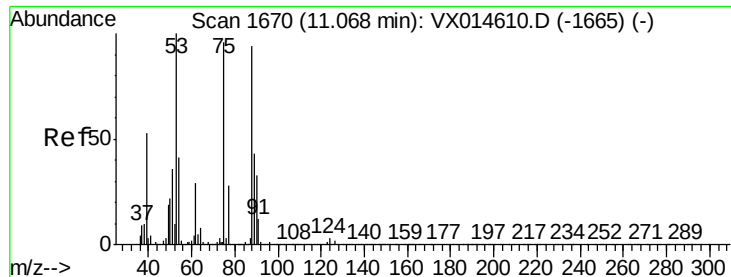
Tgt Ion: 105 Resp: 374798

Ion Ratio Lower Upper

105 100

120 49.7 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.381 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

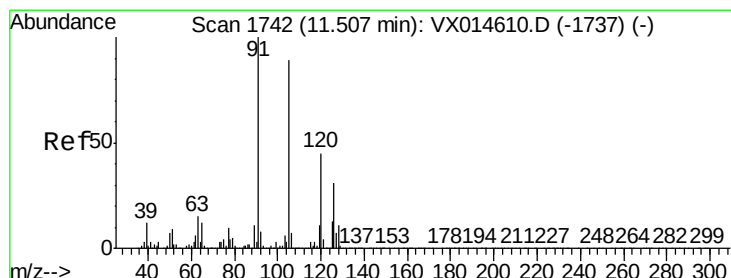
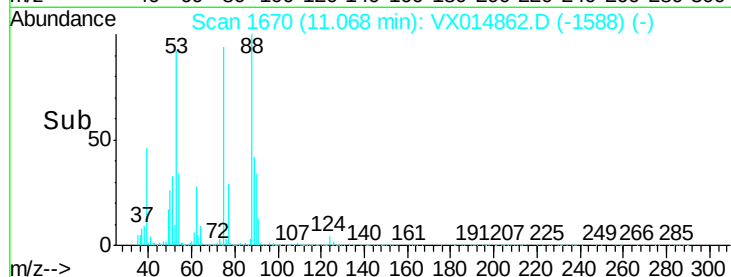
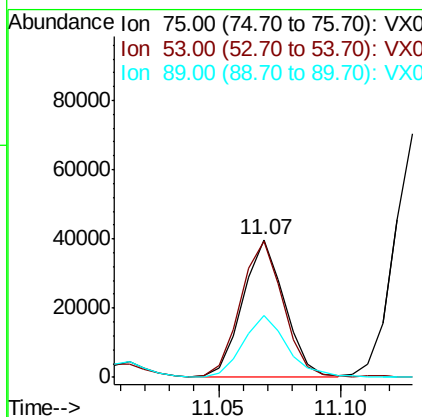
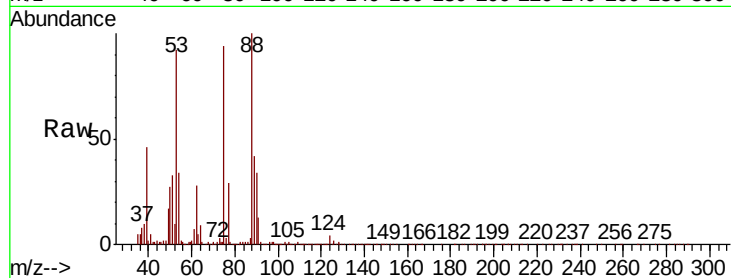
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	47076
Ion Ratio	Lower	Upper	
75	100		
53	98.4	54.4	163.1
89	44.6	21.9	65.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#78

4-Chlorotoluene

Concen: 21.449 ug/l

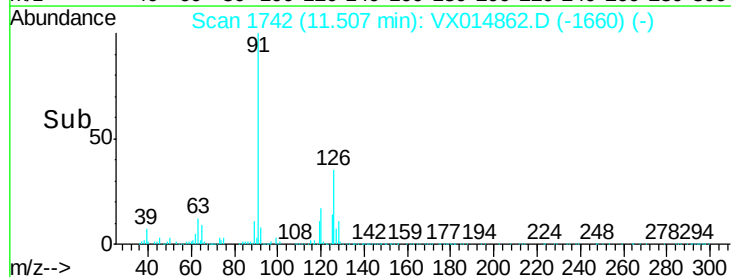
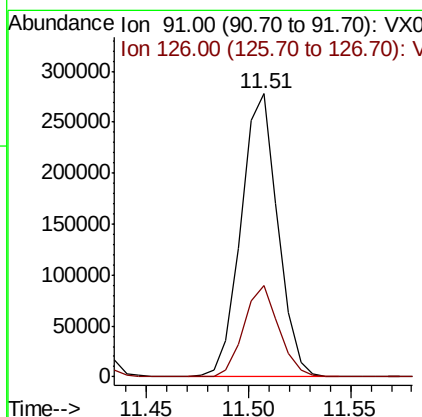
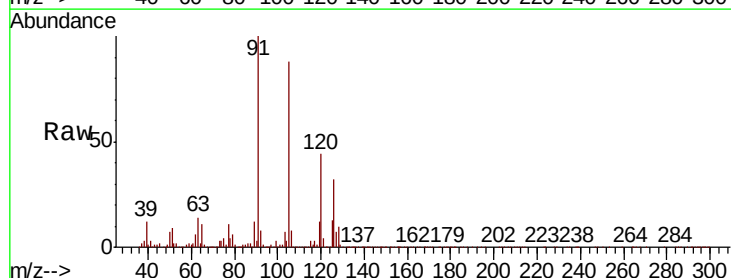
RT: 11.51 min Scan# 1742

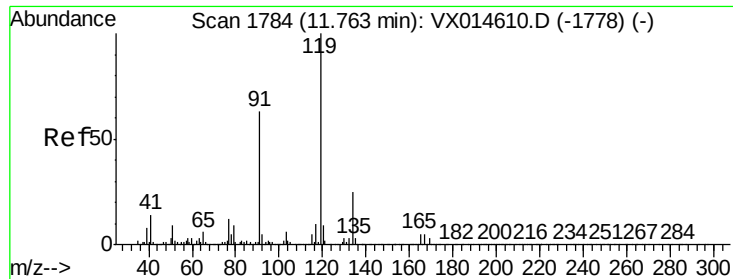
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	91	Resp:	347470
Ion Ratio	Lower	Upper	
91	100		
126	30.7	0.0	59.6





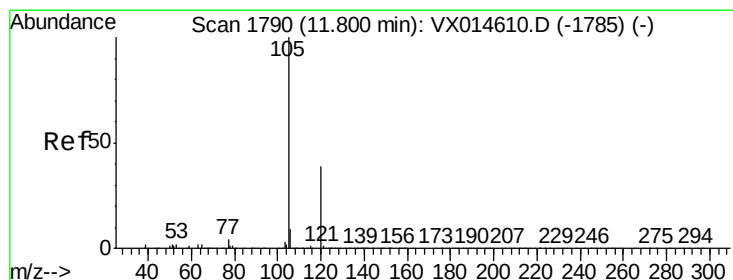
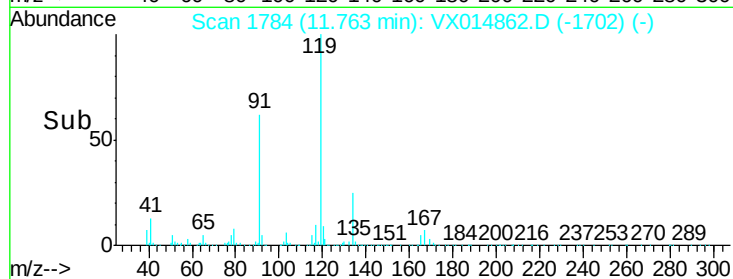
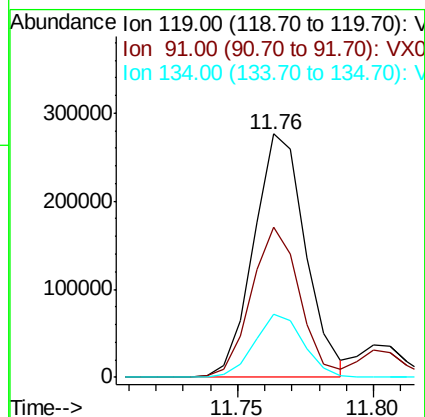
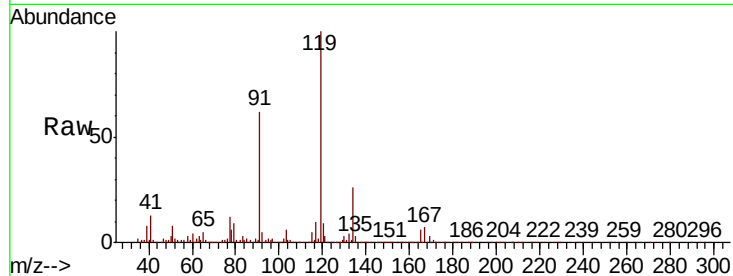
#79
tert-butylbenzene
Concen: 22.410 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	363920		
91	57.7	0.0	112.6	
134	24.7	0.0	49.8	

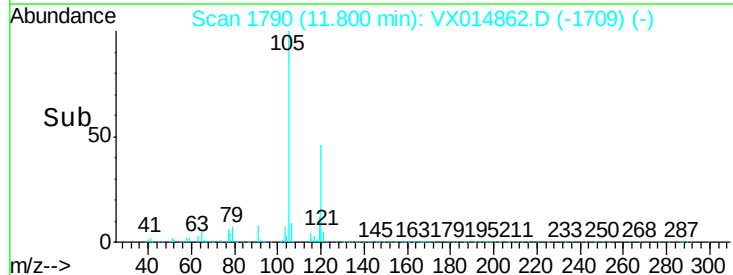
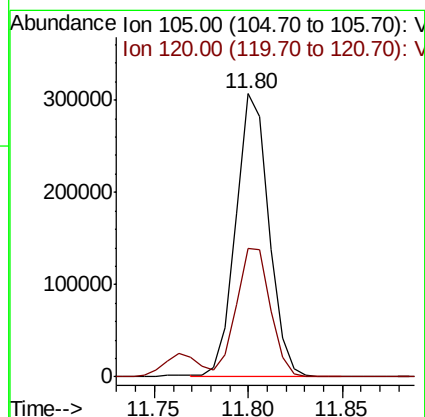
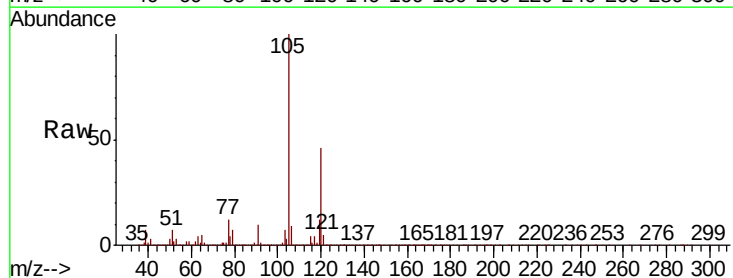
Manual Integrations
APPROVED

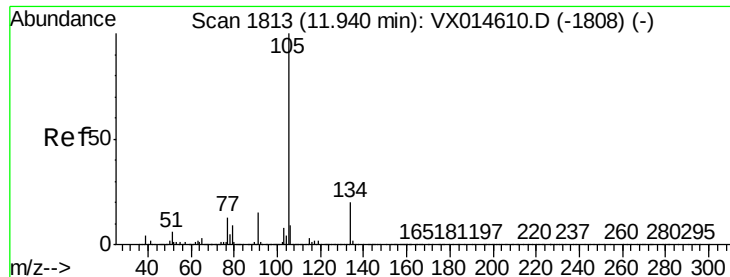
MMDadoda
2/10/2020 10:49:10 AM



#80
1,2,4-Trimethylbenzene
Concen: 21.536 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372794		
120	46.8	0.0	92.0	





#81

sec-Butylbenzene

Concen: 21.875 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 439583

Ion Ratio Lower Upper

105 100

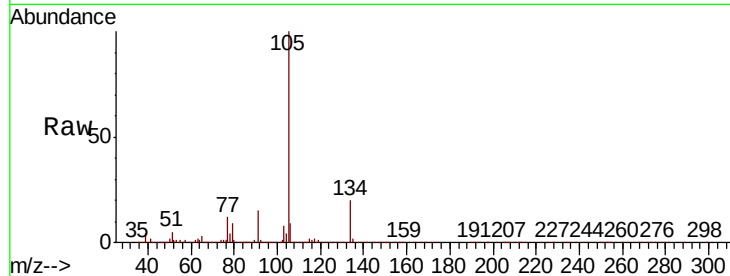
134 21.0 0.0 40.2

Manual Integrations

APPROVED

MMDadoda

2/10/2020 10:49:10 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

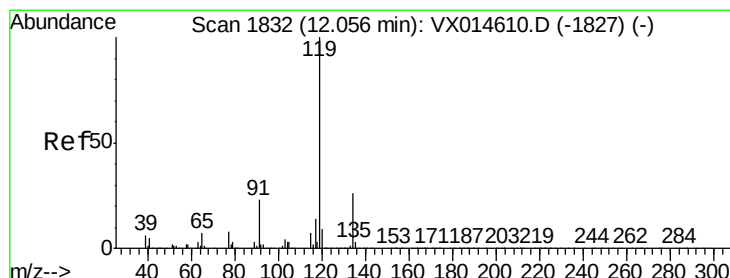
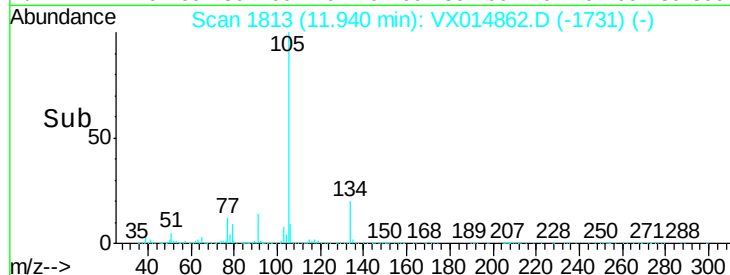
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 22.207 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

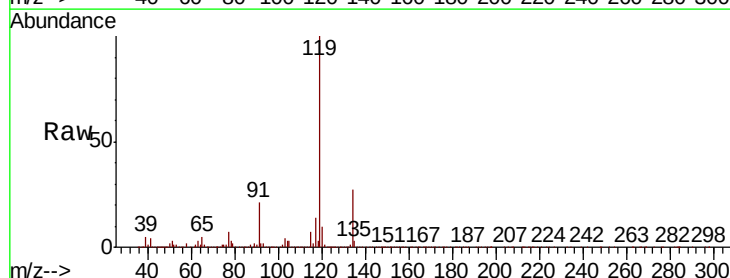
Tgt Ion:119 Resp: 407380

Ion Ratio Lower Upper

119 100

134 27.3 0.0 53.8

91 22.7 0.0 45.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.06

400000

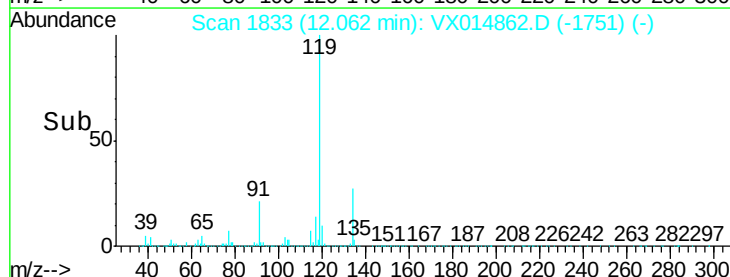
300000

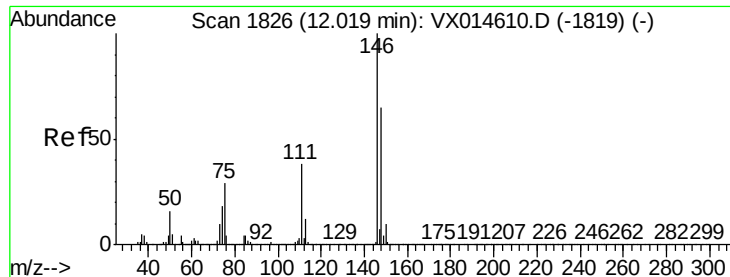
200000

100000

0

Time-->





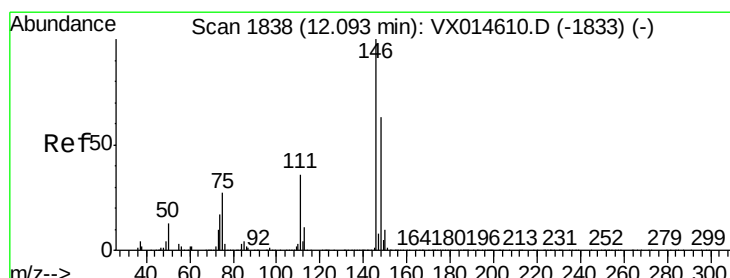
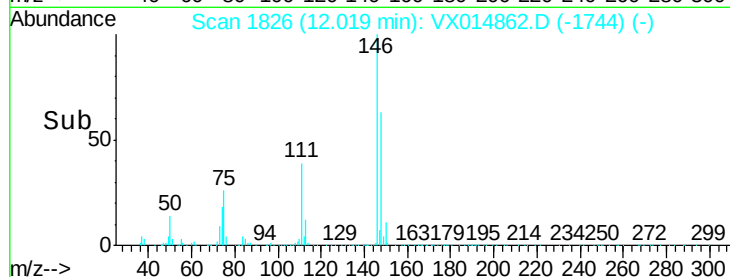
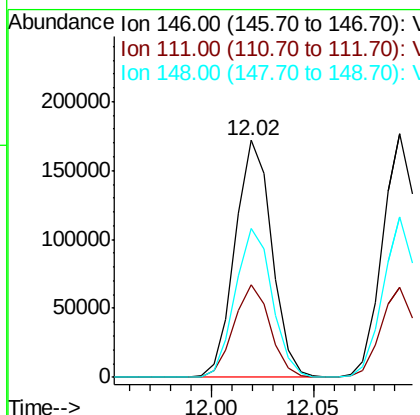
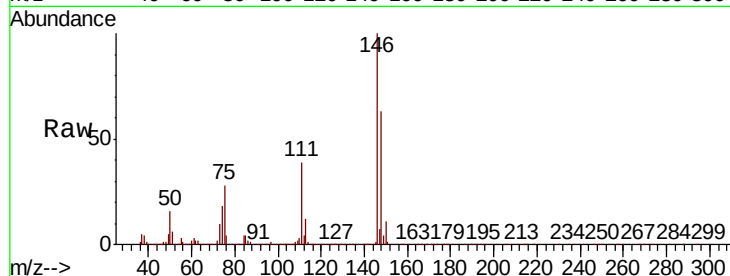
#83
 1,3-Dichlorobenzene
 Concen: 22.271 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	63.1	32.2	96.6

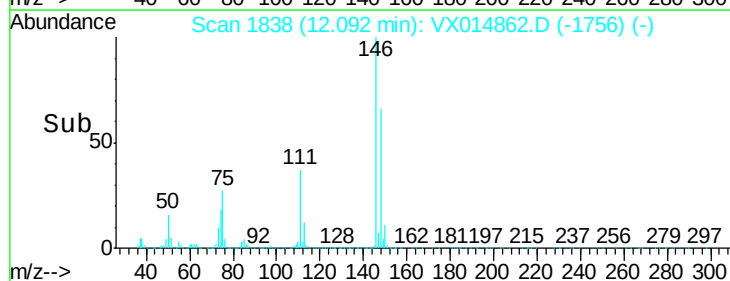
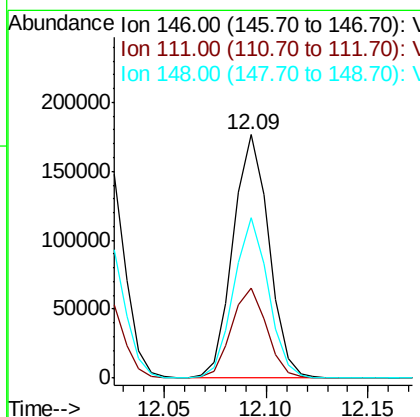
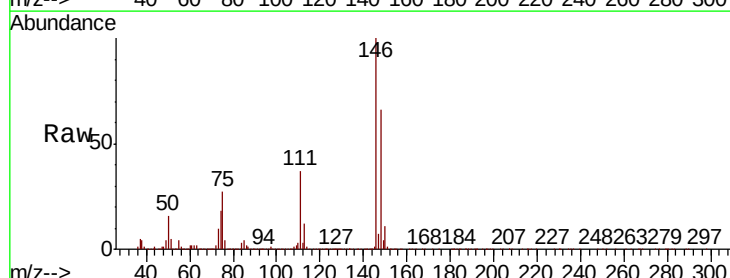
Manual Integrations
 APPROVED

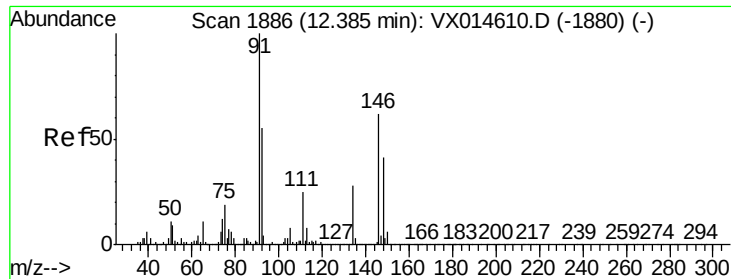
MMDadoda
 2/10/2020 10:49:10 AM



#84
 1,4-Dichlorobenzene
 Concen: 22.492 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.4
148	63.6	32.0	96.0





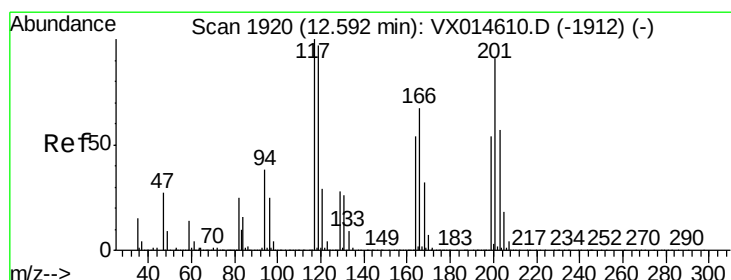
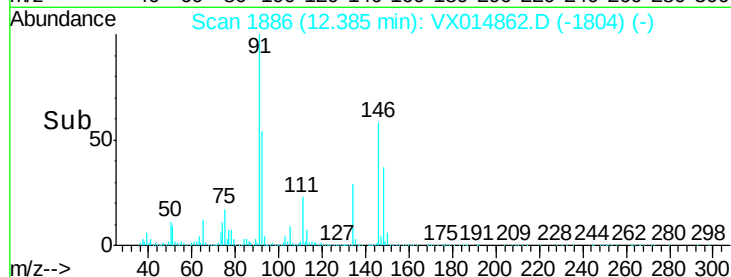
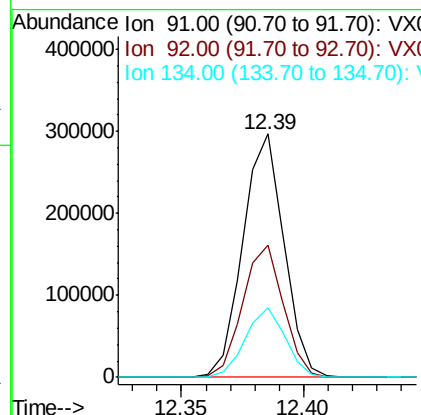
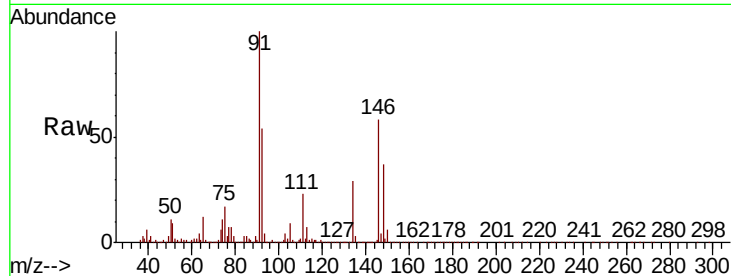
#85
n-Butylbenzene
Concen: 21.666 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	347757		
92	54.1	0.0	109.0	
134	27.8	0.0	54.0	

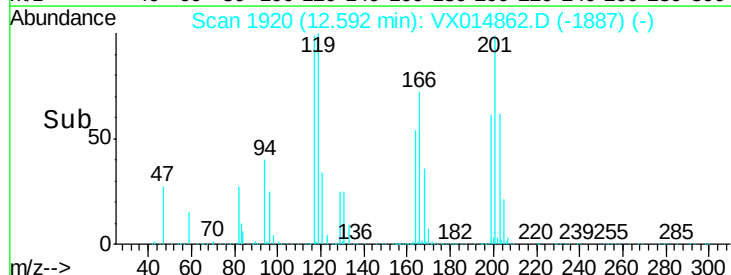
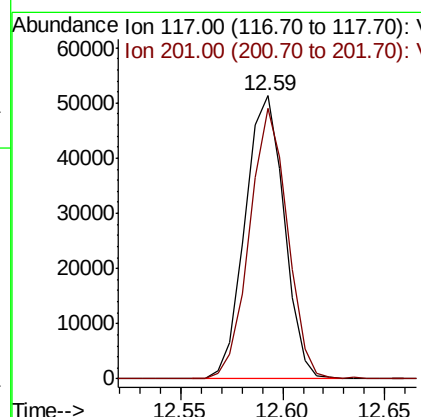
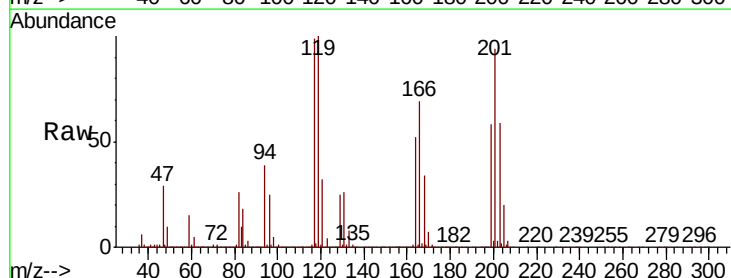
Manual Integrations
APPROVED

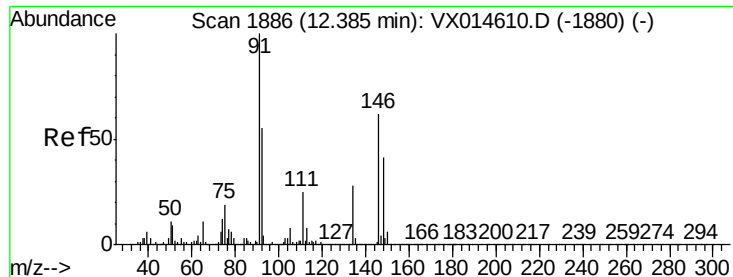
MMDadoda
2/10/2020 10:49:10 AM



#86
Hexachloroethane
Concen: 20.763 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	68303		
201	92.1	44.8	134.3	





#87

1,2-Dichlorobenzene

Concen: 21.423 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014862.D

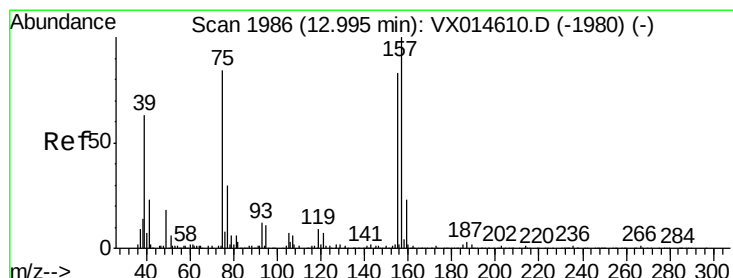
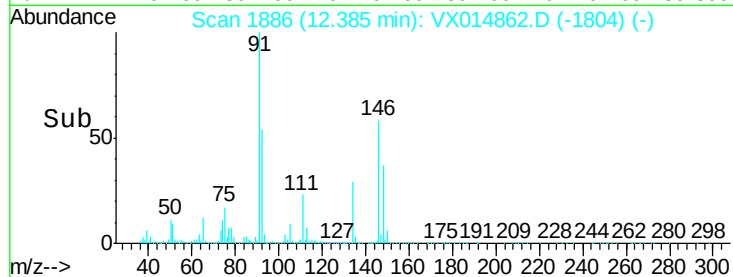
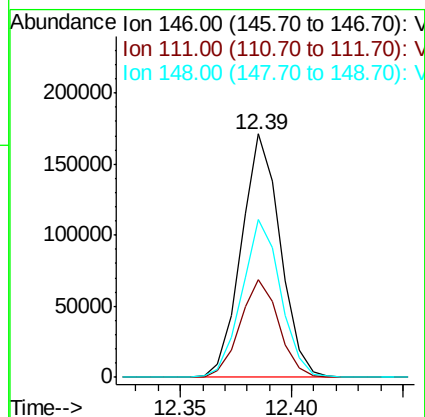
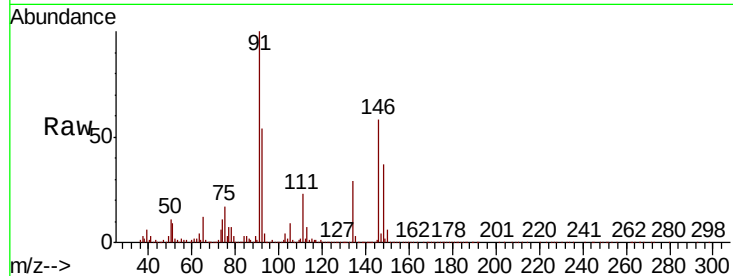
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion:	146	Resp:	208391
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.1	60.2
148	64.7	32.0	96.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.189 ug/l

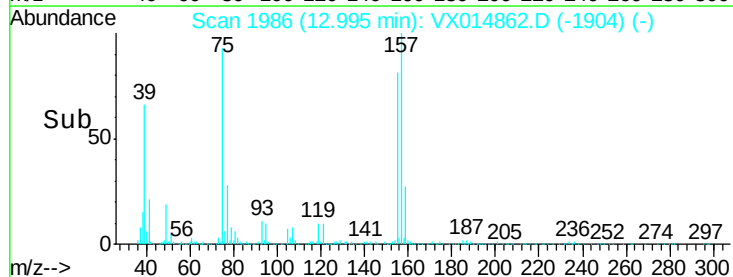
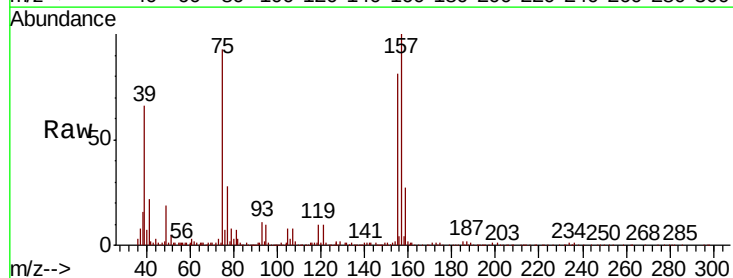
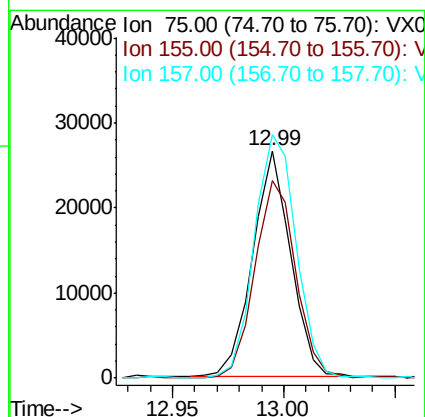
RT: 12.99 min Scan# 1886

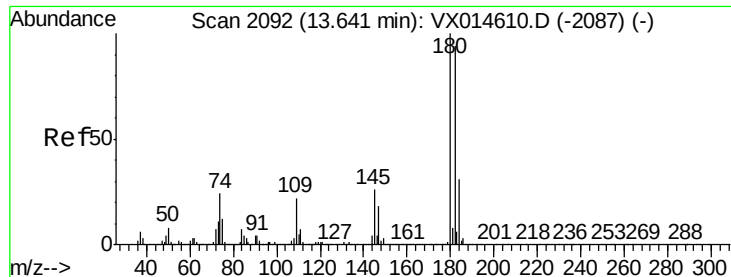
Delta R.T. 0.00 min

Lab File: VX014862.D

Acq: 07 Feb 2020 10:37

Tgt Ion:	75	Resp:	31757
Ion Ratio	Lower	Upper	
75	100		
155	93.6	73.8	110.6
157	117.8	95.0	142.4





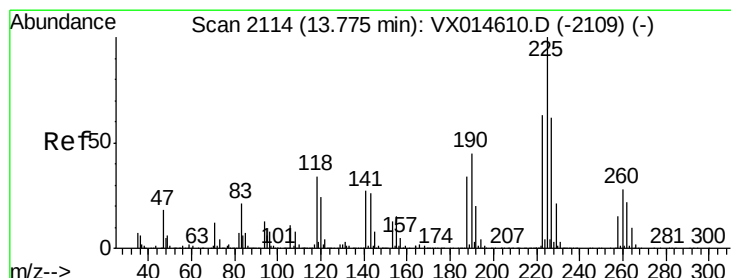
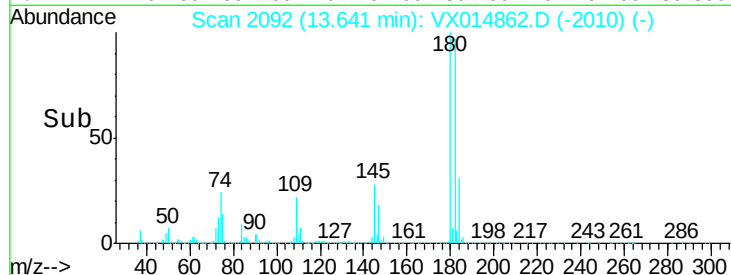
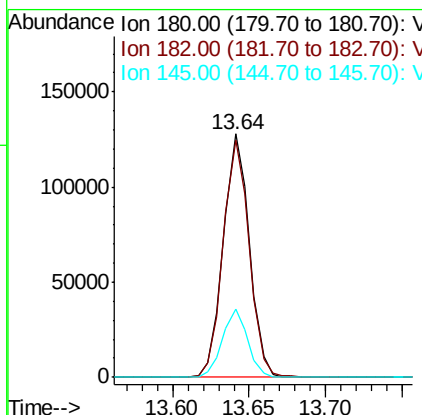
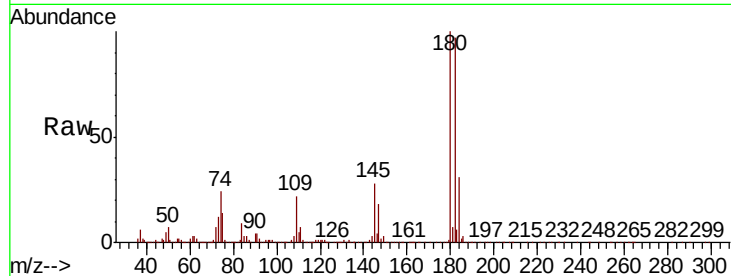
#89
 1,2,4-Trichlorobenzene
 Concen: 23.523 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	151033		
182	96.9	76.4	114.6	
145	27.0	21.9	32.9	

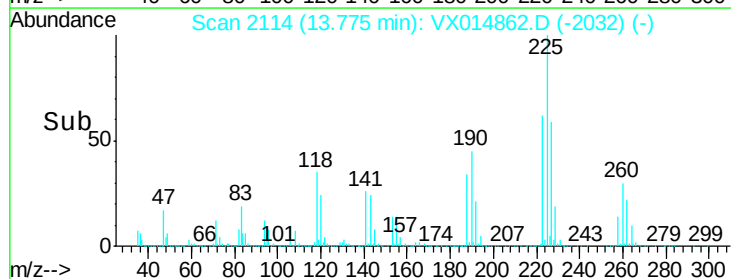
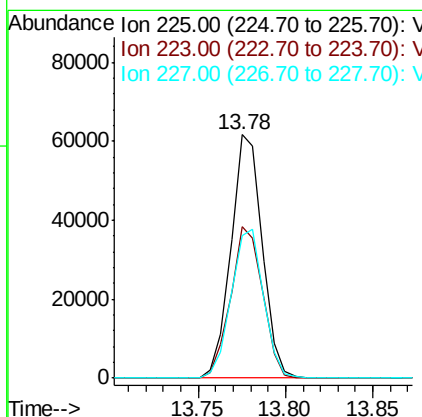
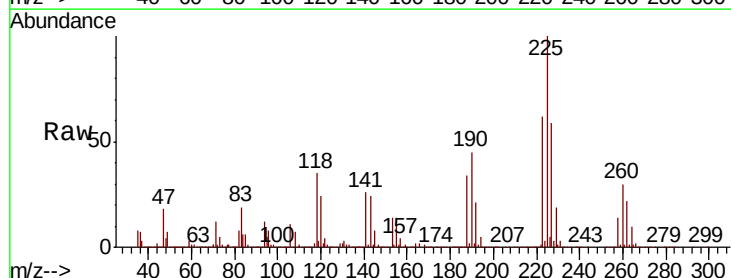
Manual Integrations
 APPROVED

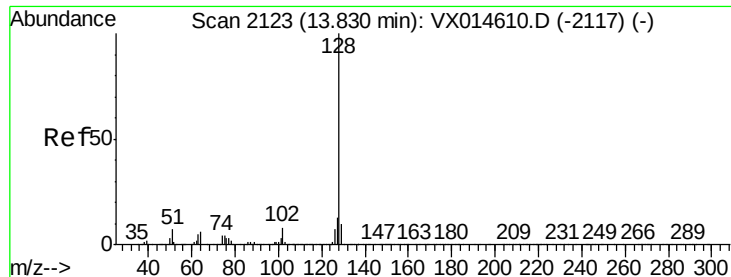
MMDadoda
 2/10/2020 10:49:10 AM



#90
 Hexachlorobutadiene
 Concen: 23.949 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014862.D
 Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76836		
223	63.3	0.0	127.4	
227	63.0	0.0	122.8	





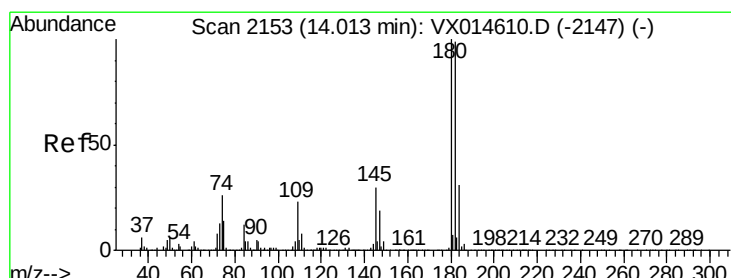
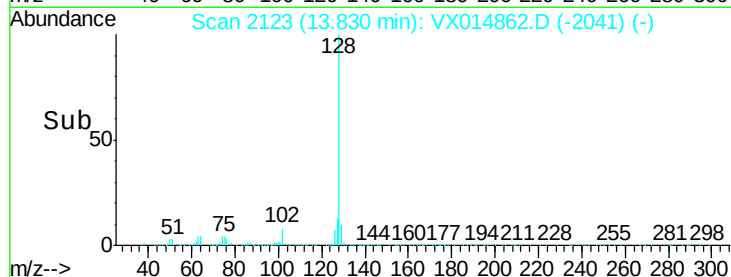
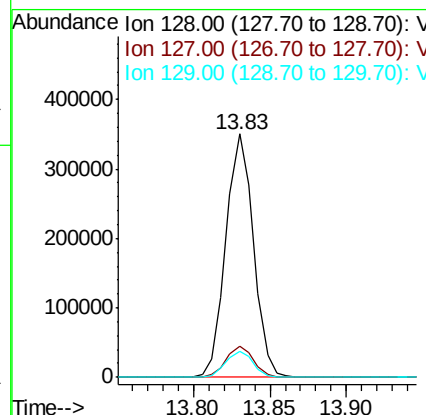
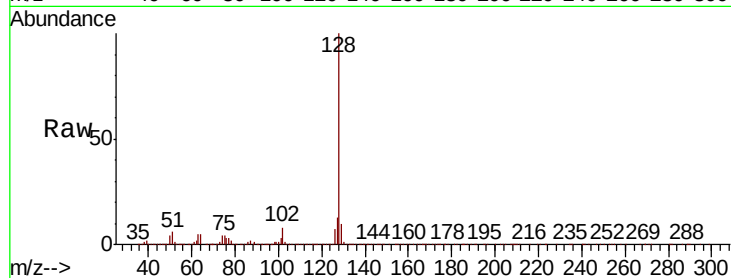
#91
Naphthalene
Concen: 22.614 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 10:49:10 AM



#92
1,2,3-Trichlorobenzene
Concen: 23.231 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014862.D
Acq: 07 Feb 2020 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	192.8
145	30.3	0.0	60.0

