

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
 Data File : VX014985.D
 Acq On : 21 Feb 2020 09:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:28:54 AM

Quant Time: Feb 21 11:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	76671	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	418464	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	382998	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	158433	29.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.87%
60) 4-Bromofluorobenzene	11.13	95	180553	29.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.57%
63) Toluene-d8	8.71	98	497333	28.92	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	168562	34.676	ug/l 97
3) Chloromethane	1.32	50	218196	39.914	ug/l 97
4) Vinyl Chloride	1.41	62	241183	39.539	ug/l 99
5) Bromomethane	1.64	94	158923	39.887	ug/l 98
6) Chloroethane	1.72	64	157634	44.525	ug/l 99
7) Trichlorofluoromethane	1.93	101	350394	49.071	ug/l 97
8) Diethyl Ether	2.18	74	151013	48.661	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	205944	49.502	ug/l 99
10) 1,1-Dichloroethene	2.37	96	204186	48.718	ug/l 99
11) Methyl Iodide	2.51	142	272035	49.576	ug/l 99
12) Methyl Acetate	2.76	43	260323	36.649	ug/l 100
13) Acrolein	2.28	56	250850	300.773	ug/l 99
14) Acrylonitrile	3.13	53	590956	233.807	ug/l 99
15) Acetone	2.43	58	214096	247.547	ug/l 98
16) Carbon Disulfide	2.57	76	554697	48.465	ug/l 99
17) Allyl chloride	2.72	41	361808	47.173	ug/l 98
18) Methylene Chloride	2.85	84	231404	47.317	ug/l 93
19) trans-1,2-Dichloroethene	3.16	96	225164	49.717	ug/l 98
20) Diisopropyl ether	3.84	45	730080	47.738	ug/l 98
21) 1,1-Dichloroethane	3.69	63	401849	48.462	ug/l 99
22) cis-1,2-Dichloroethene	4.59	96	260168	49.786	ug/l 99
23) tert-Butyl Alcohol	3.02	59	230979m	220.652	ug/l
24) Methyl tert-Butyl Ether	3.19	73	688624	49.452	ug/l 99
25) Chloroform	5.20	83	406472	50.053	ug/l 96
26) Cyclohexane	5.58	56	359264	47.113	ug/l # 99
29) 1,1-Dichloropropene	5.79	75	307328	50.786	ug/l 99
30) 2-Butanone	4.65	43	910304	241.022	ug/l 99
31) 2,2-Dichloropropane	4.58	77	335910	51.522	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	346134	51.368	ug/l 99
33) Carbon Tetrachloride	5.78	117	303578	52.218	ug/l 96
34) Benzene	6.14	78	921359	49.533	ug/l 97
35) Methacrylonitrile	5.03	41	184400	49.119	ug/l 96
36) 1,2-Dichloroethane	6.19	62	329407	50.692	ug/l 99
37) Trichloroethene	7.21	130	262897	51.555	ug/l 93
38) Methylcyclohexane	7.46	83	381194	50.745	ug/l 100
39) 1,2-Dichloropropane	7.51	63	236214	48.924	ug/l 99
40) Dibromomethane	7.65	93	157101	49.957	ug/l 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022120\
 Data File : VX014985.D
 Acq On : 21 Feb 2020 09:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:28:54 AM

Quant Time: Feb 21 11:06:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 10:51:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	318755	51.804	ug/l	99
42) Vinyl Acetate	3.81	43	3181711	266.854	ug/l	99
43) Ethyl Acetate	4.82	43	324539	47.687	ug/l	97
44) Isopropyl Acetate	6.43	43	546277	49.292	ug/l	99
45) 1,4-Dioxane	7.73	88	102456	941.286	ug/l	99
46) Methyl methacrylate	7.76	41	273209	50.195	ug/l	98
47) n-amyl Acetate	10.89	43	482730	51.437	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	357458	53.228	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	389065	51.529	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	235738	49.603	ug/l	97
51) Ethyl methacrylate	9.17	69	376135	50.829	ug/l	99
52) 1,3-Dichloropropane	9.37	76	397429	49.359	ug/l	99
53) Dibromochloromethane	9.57	129	260974	53.008	ug/l	99
54) 1,2-Dibromoethane	9.67	107	251793	51.115	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	954278	272.488	ug/l	99
56) Bromoform	10.85	173	202931	53.501	ug/l	98
58) 4-Methyl-2-Pentanone	8.64	43	1660648	238.284	ug/l	100
59) 2-Hexanone	9.48	43	1309967	242.003	ug/l	99
61) Tetrachloroethene	9.33	164	264873	47.835	ug/l	97
62) Toluene	8.78	91	999794	49.834	ug/l	99
64) Chlorobenzene	10.14	112	642918	51.179	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	239273	51.525	ug/l	100
66) Ethyl Benzene	10.25	91	1129245	51.498	ug/l	99
67) m/p-Xylenes	10.36	106	869747	103.606	ug/l	98
68) o-Xylene	10.70	106	418457	51.224	ug/l	99
69) Styrene	10.71	104	726434	52.435	ug/l	99
70) Isopropylbenzene	11.01	105	1116788	51.929	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	355430	49.622	ug/l	99
72) 1,2,3-Trichloropropane	11.29	75	301182m	48.050	ug/l	
73) Bromobenzene	11.25	156	299267	52.325	ug/l	99
74) n-propylbenzene	11.35	91	1287243	52.328	ug/l	100
75) 2-Chlorotoluene	11.42	91	742544	50.450	ug/l	99
76) 1,3,5-Trimethylbenzene	11.50	105	938852	52.350	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	124382	52.496	ug/l	94
78) 4-Chlorotoluene	11.51	91	863157	51.592	ug/l	100
79) tert-butylbenzene	11.76	119	897952	53.215	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	931917	52.231	ug/l	100
81) sec-Butylbenzene	11.94	105	1087357	52.230	ug/l	99
82) p-Isopropyltoluene	12.06	119	1012620	53.217	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	527130	52.888	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	524337	52.595	ug/l	99
85) n-Butylbenzene	12.38	91	894361	53.700	ug/l	99
86) Hexachloroethane	12.59	117	180200	53.013	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	529570	52.726	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	78432	51.128	ug/l	95
89) 1,2,4-Trichlorobenzene	13.64	180	380153	56.426	ug/l	99
90) Hexachlorobutadiene	13.78	225	187953	55.960	ug/l	97
91) Naphthalene	13.83	128	1109592	55.148	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	375523	54.961	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
Data File : VX014985.D
Acq On : 21 Feb 2020 09:59
Operator : JC/SP
Sample : VSTDICC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC050

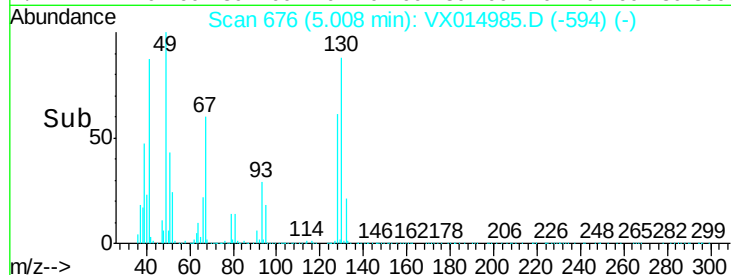
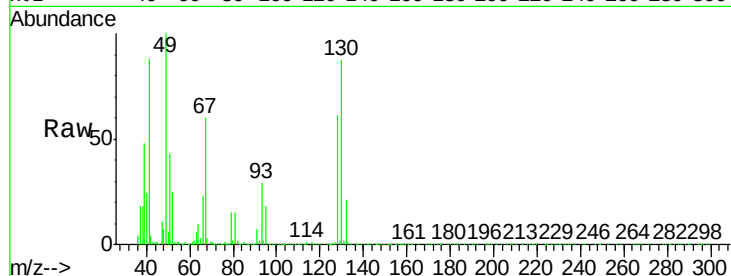
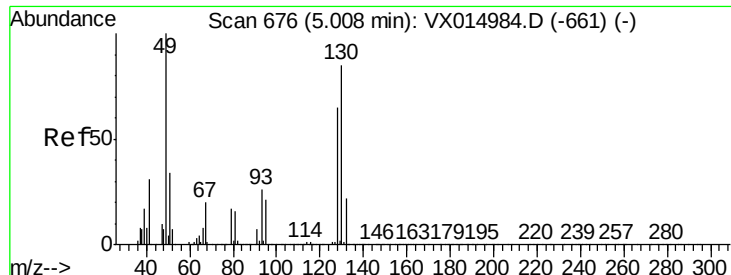
Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM

Quant Time: Feb 21 11:06:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Feb 21 10:51:02 2020
Response via : Initial Calibration

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

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



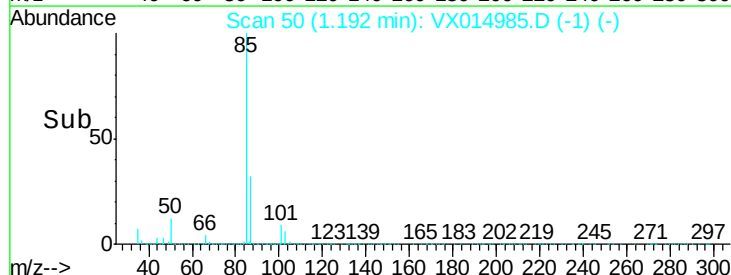
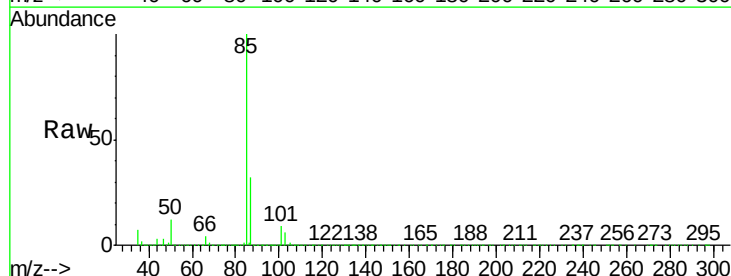
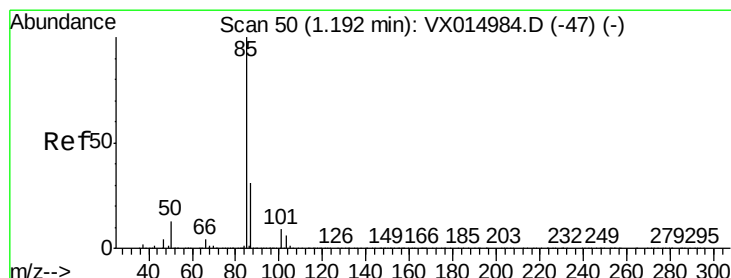
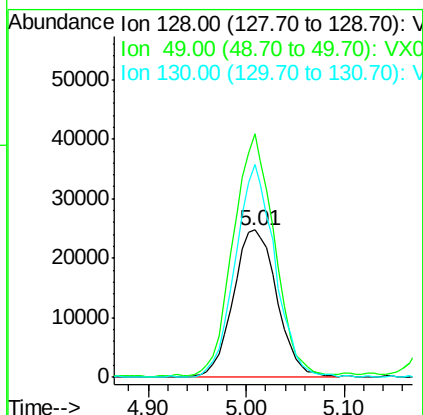
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tot Ion	Ratio	Lower	Upper
128	100		
49	154.7	0.0	384.7
130	131.1	0.0	330.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

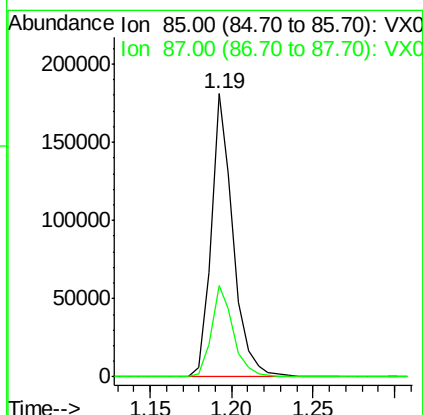
Manual Integrations
APPROVED

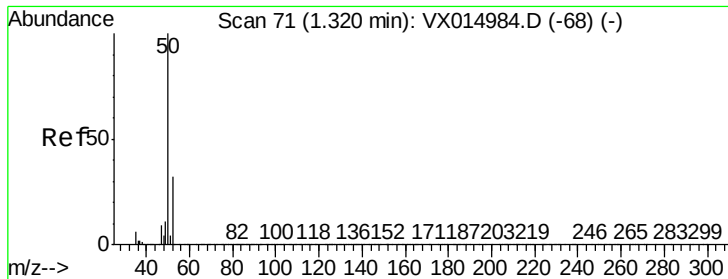
MMDadoda
2/24/2020 11:28:54 AM



#2
Dichlorodifluoromethane
Concen: 34.676 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.3	45.9





#3

Chloromethane

Concen: 39.914 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 218196

Ion Ratio Lower Upper

50 100

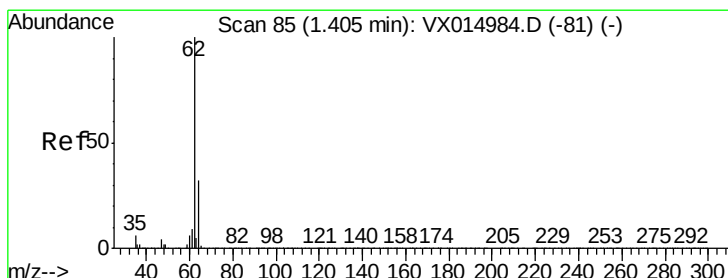
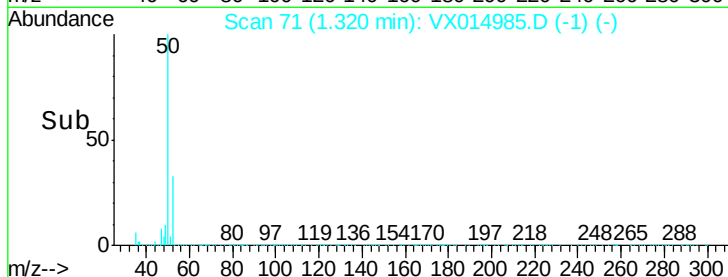
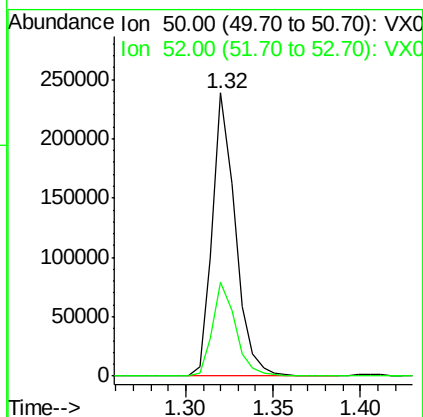
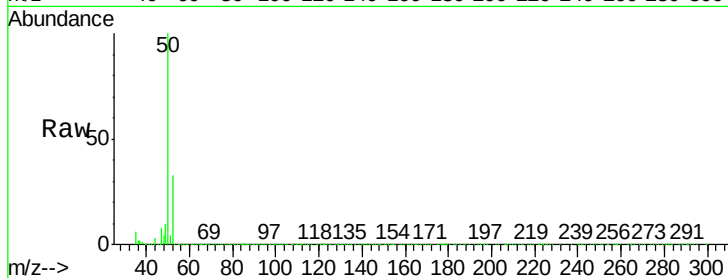
52 33.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#4

Vinyl Chloride

Concen: 39.539 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.00 min

Lab File: VX014985.D

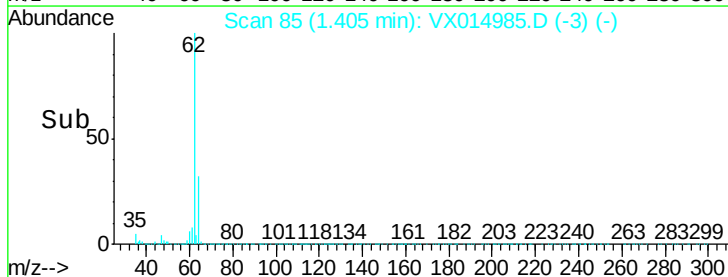
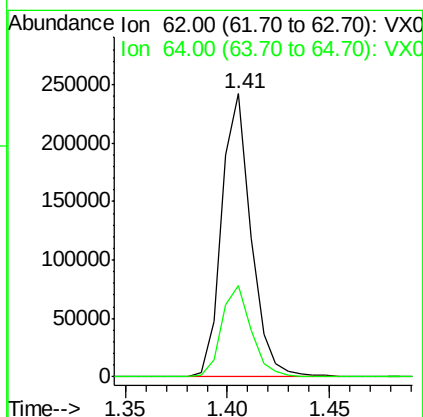
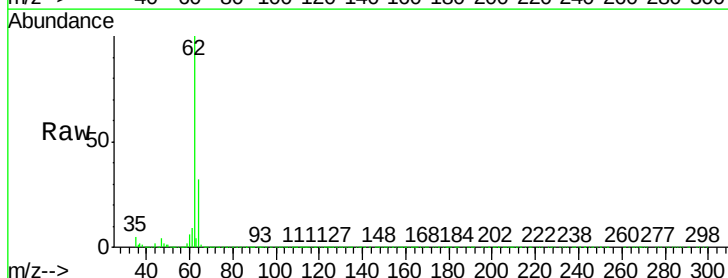
Acq: 21 Feb 2020 09:59

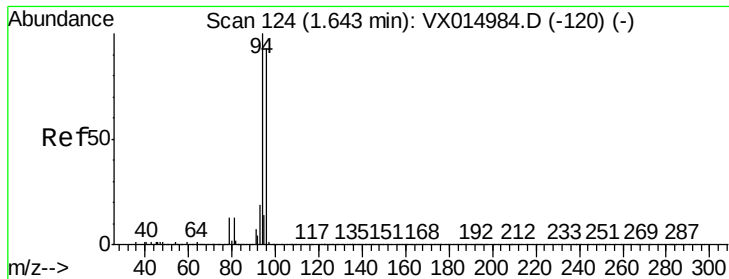
Tgt Ion: 62 Resp: 241183

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 39.887 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 158923

Ion Ratio Lower Upper

94 100

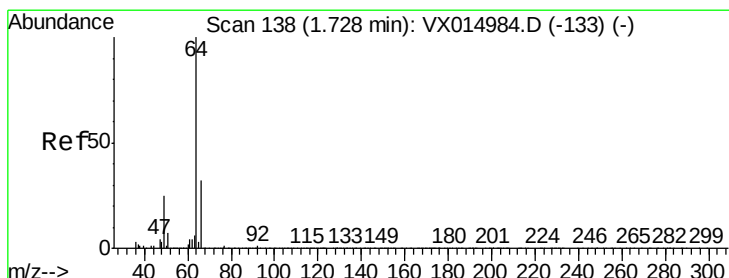
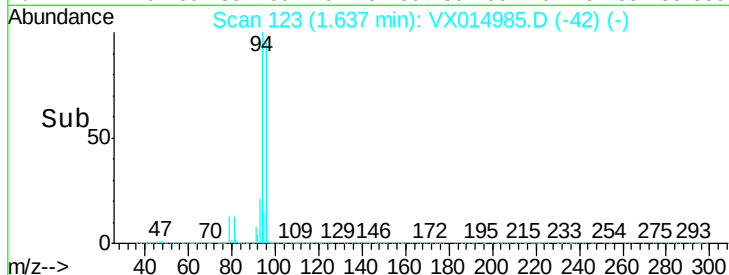
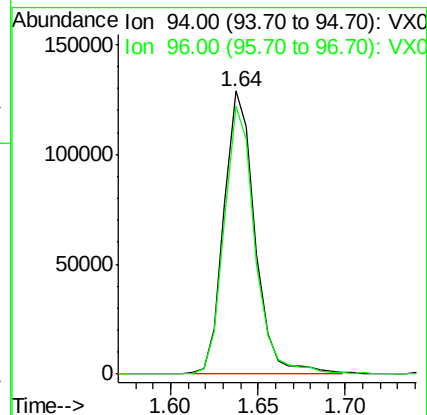
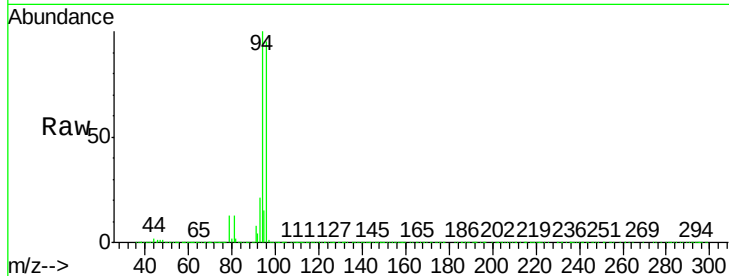
96 95.0 74.6 112.0

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#6

Chloroethane

Concen: 44.525 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.01 min

Lab File: VX014985.D

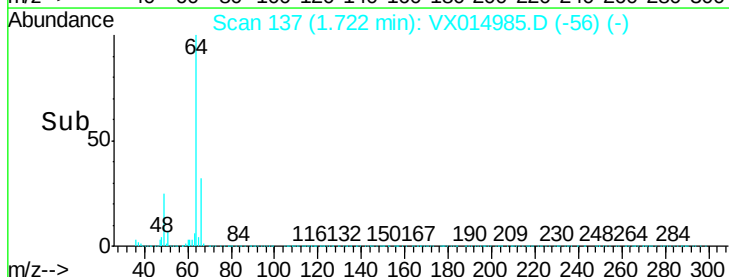
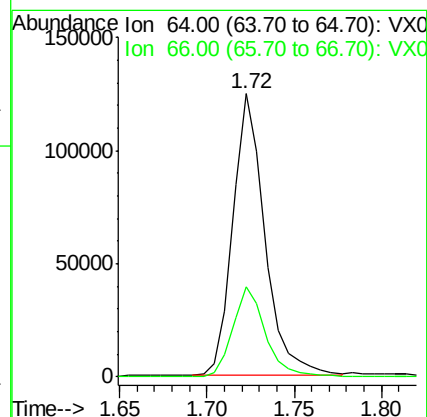
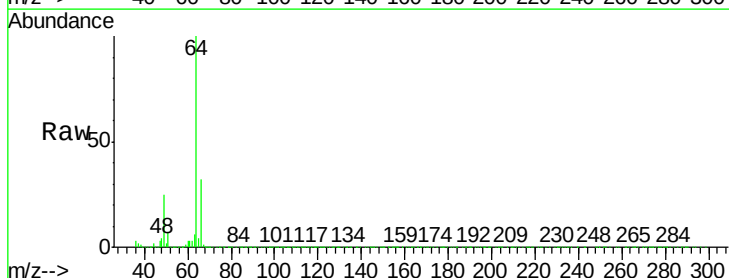
Acq: 21 Feb 2020 09:59

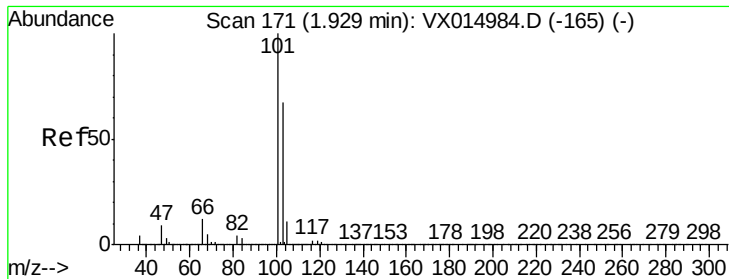
Tgt Ion: 64 Resp: 157634

Ion Ratio Lower Upper

64 100

66 31.7 25.8 38.6





#7

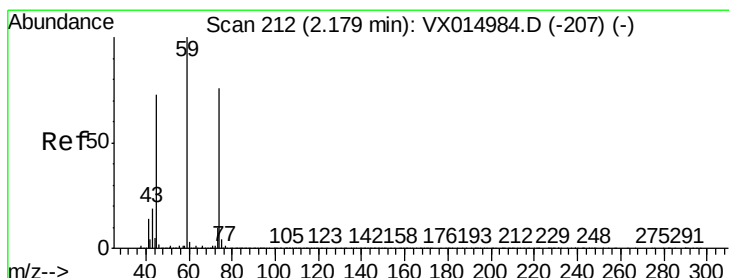
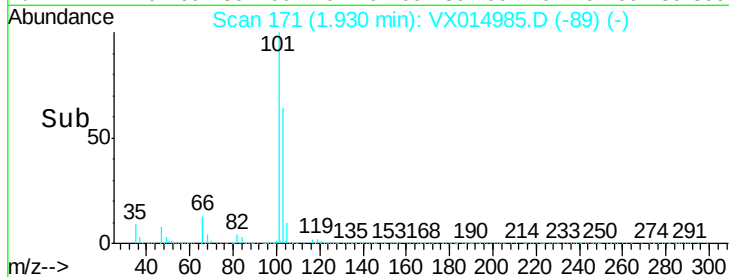
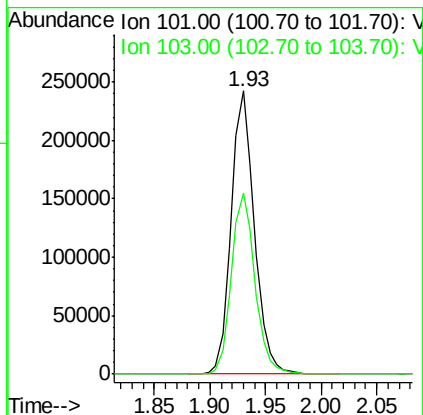
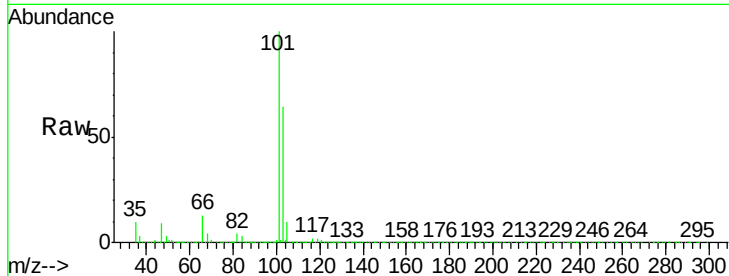
Trichlorofluoromethane
Concen: 49.071 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.4	80.2

Manual Integrations
APPROVED

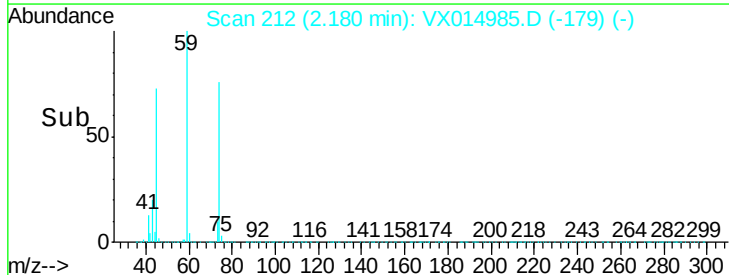
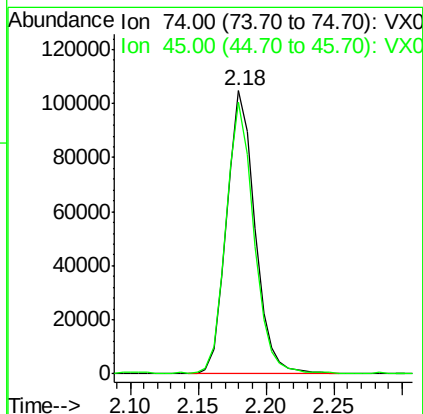
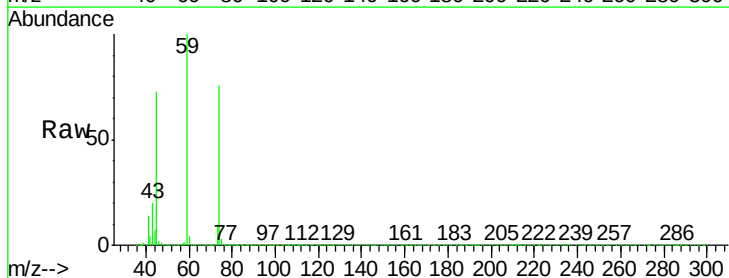
MMDadoda
2/24/2020 11:28:54 AM

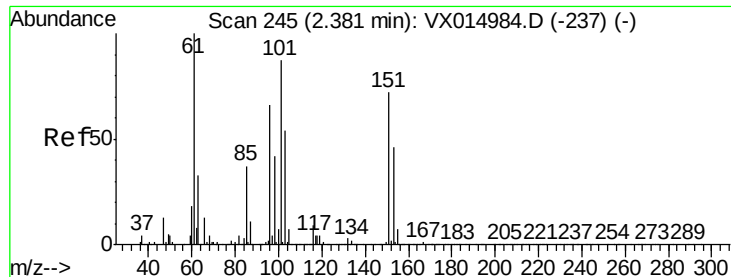


#8

Diethyl Ether
Concen: 48.661 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	19.6	176.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.502 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

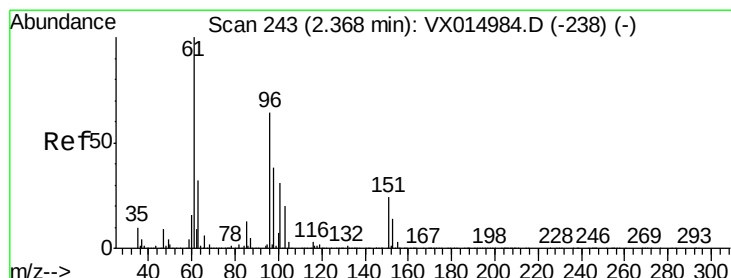
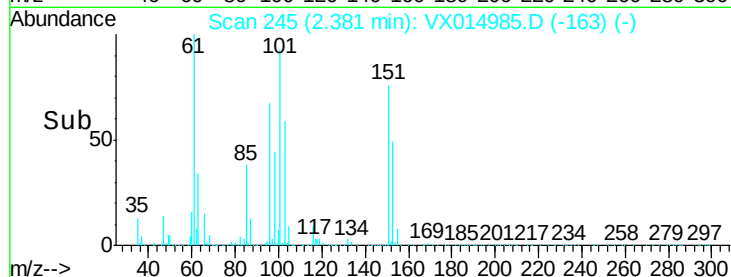
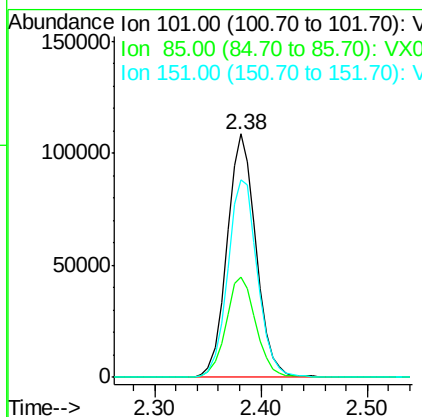
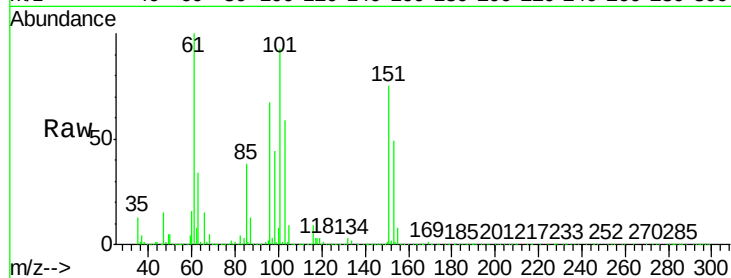
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	205944
Ion Ratio	Lower	Upper	
101	100		
85	42.3	0.0	86.6
151	83.7	0.0	167.4

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#10

1,1-Dichloroethene

Concen: 48.718 ug/l

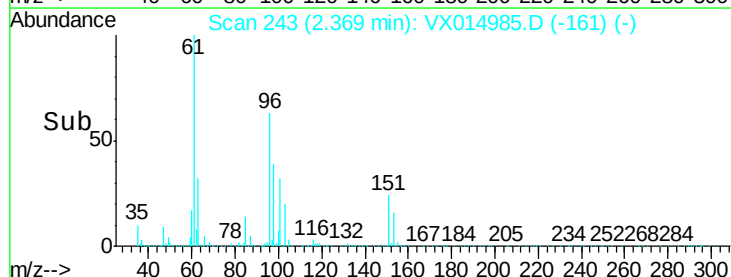
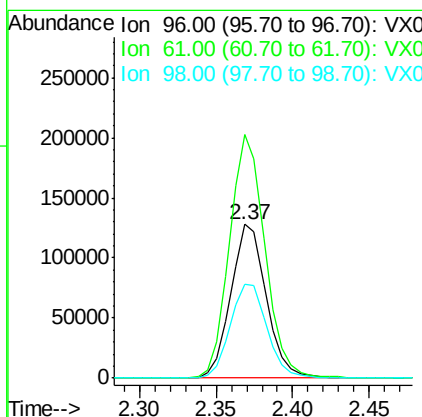
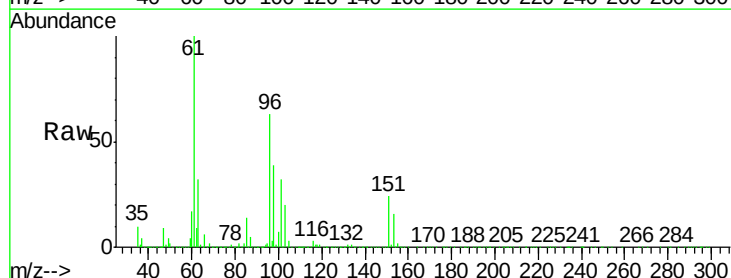
RT: 2.37 min Scan# 243

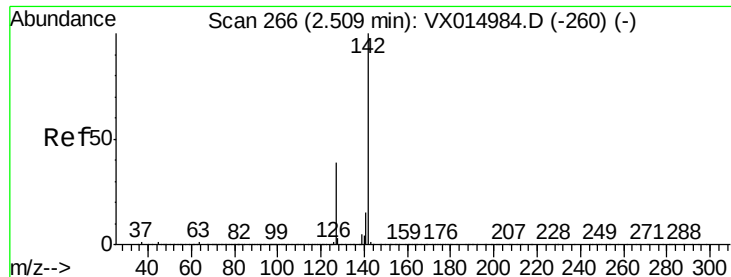
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	96	Resp:	204186
Ion Ratio	Lower	Upper	
96	100		
61	158.4	126.1	189.1
98	61.2	48.2	72.2





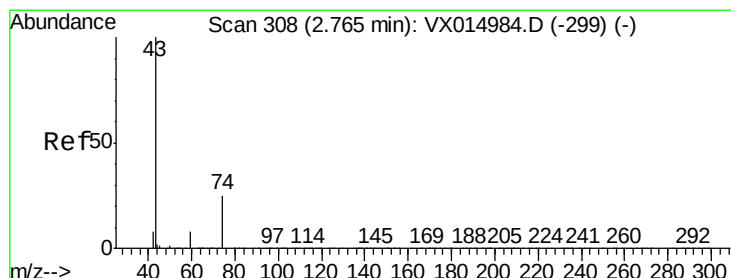
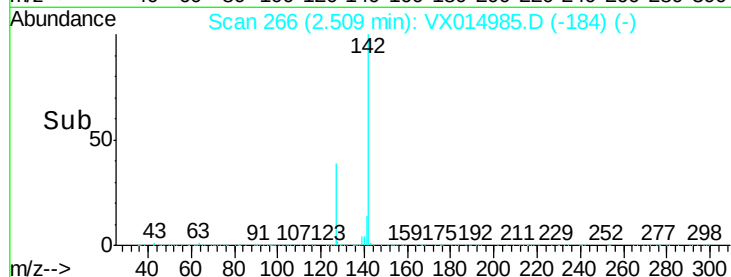
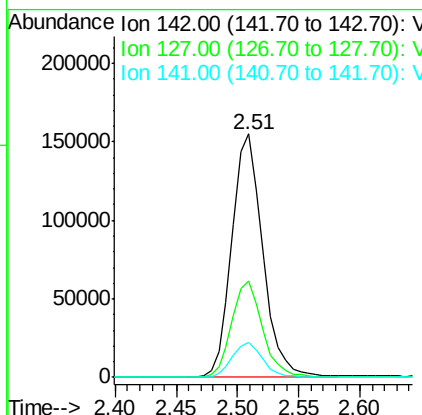
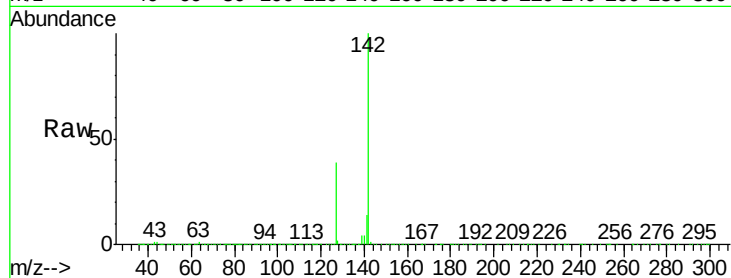
#11
Methvl Iodide
Concen: 49.576 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	19.7	59.0
141	14.2	7.4	22.2

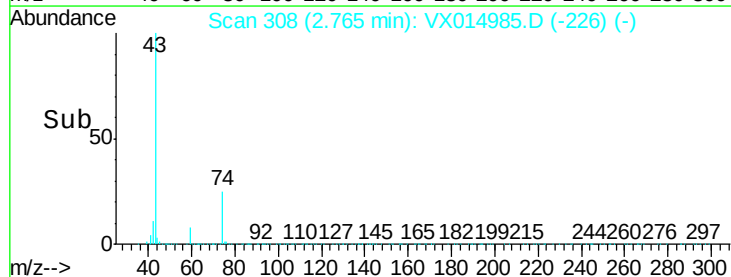
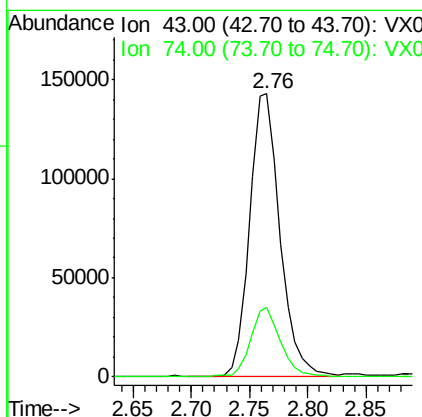
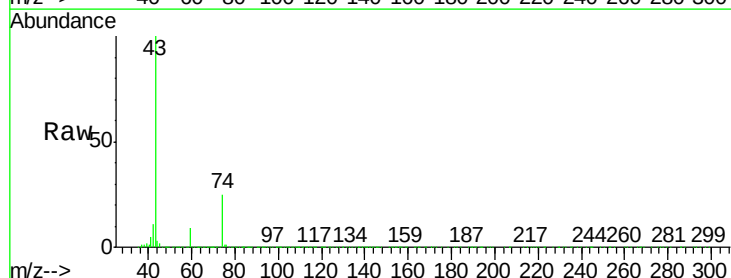
Manual Integrations
APPROVED

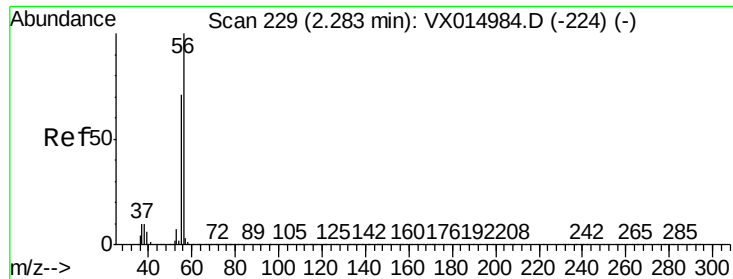
MMDadoda
2/24/2020 11:28:54 AM



#12
Methyl Acetate
Concen: 36.649 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.8	29.8





#13

Acrolein

Concen: 300.773 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 250850

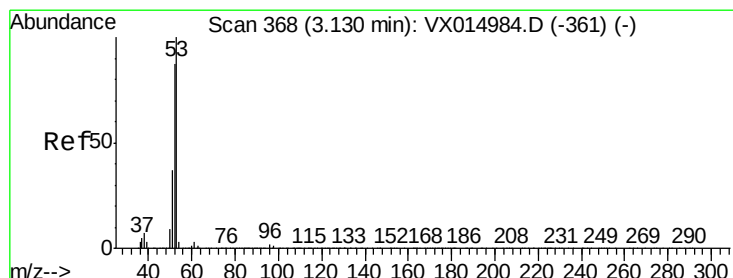
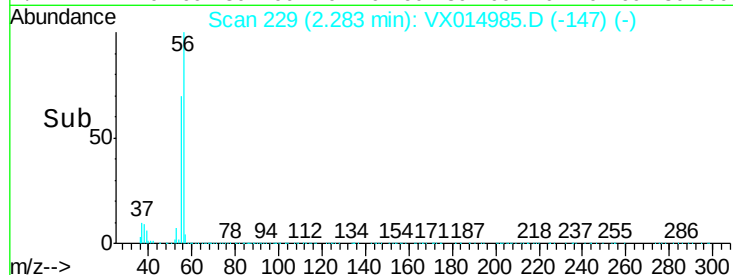
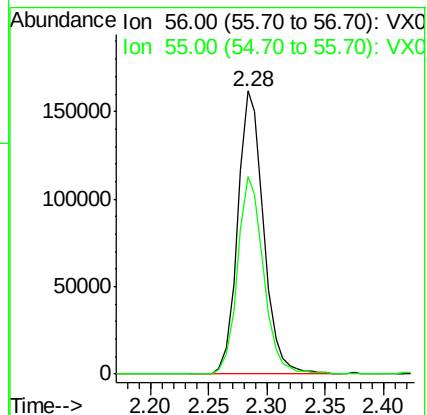
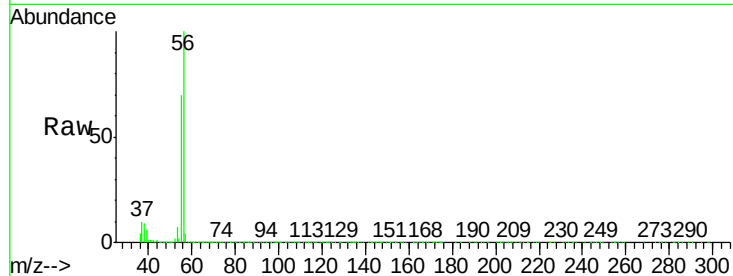
Ion Ratio Lower Upper

56 100

55 69.3 56.2 84.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#14

Acrylonitrile

Concen: 233.807 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

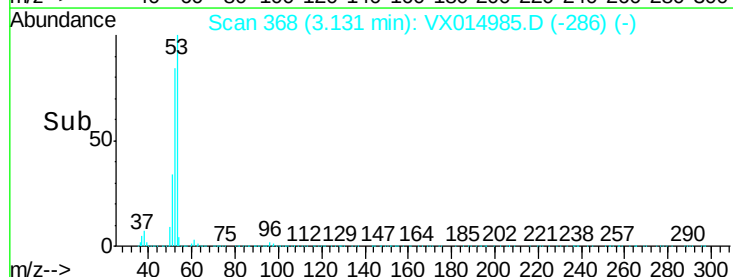
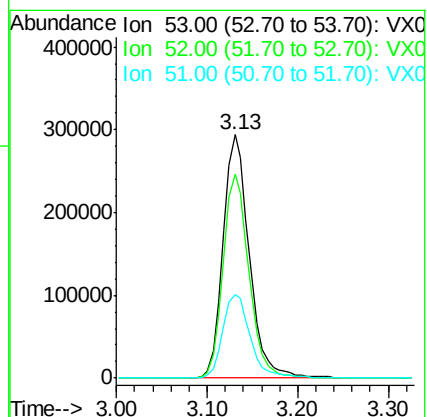
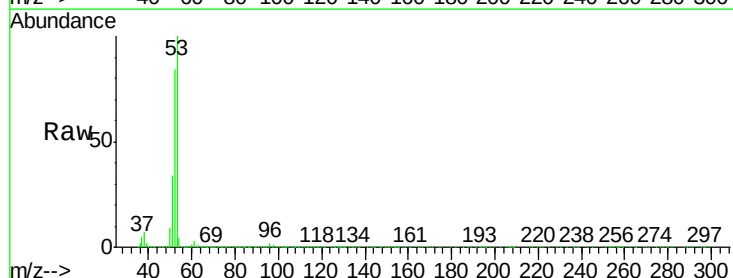
Tgt Ion: 53 Resp: 590956

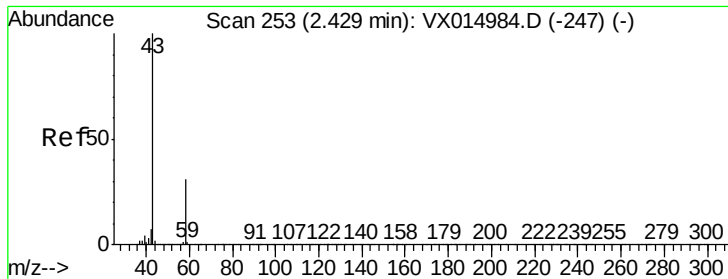
Ion Ratio Lower Upper

53 100

52 82.4 41.5 124.6

51 36.0 18.1 54.4





#15

Acetone

Concen: 247.547 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 214096

Ion Ratio Lower Upper

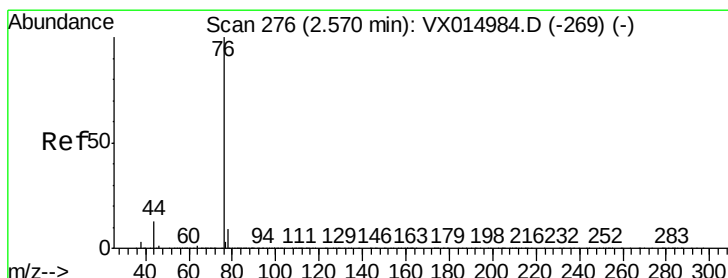
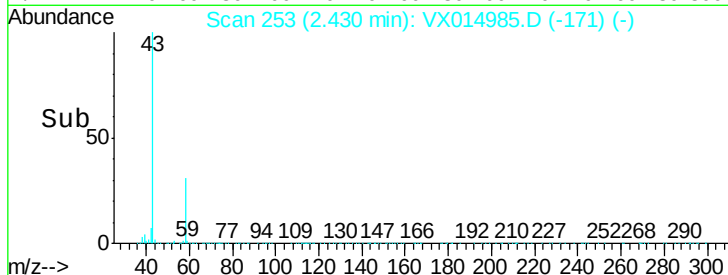
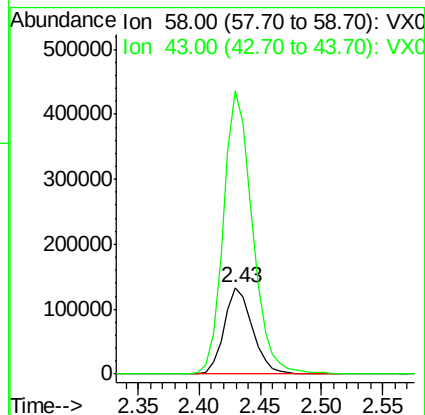
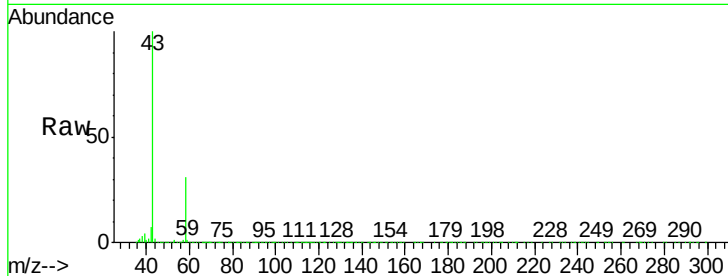
58 100

43 326.6 257.7 386.5

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#16

Carbon Disulfide

Concen: 48.465 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.00 min

Lab File: VX014985.D

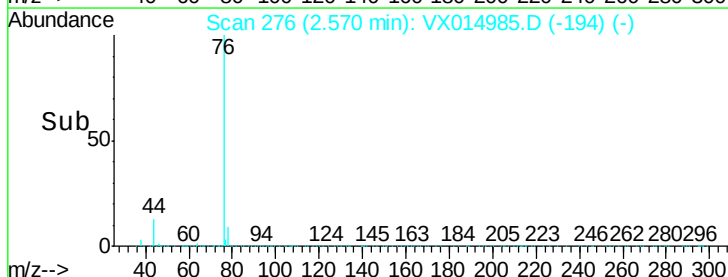
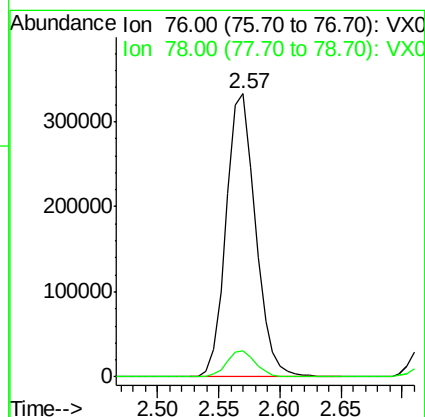
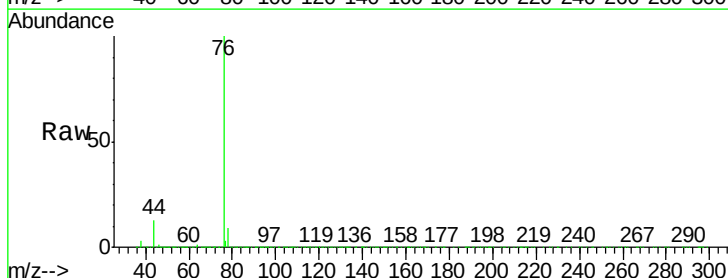
Acq: 21 Feb 2020 09:59

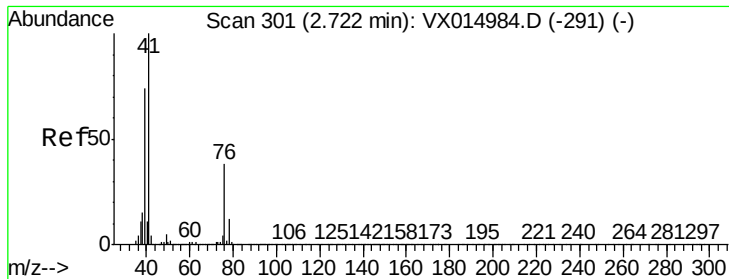
Tgt Ion: 76 Resp: 554697

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7





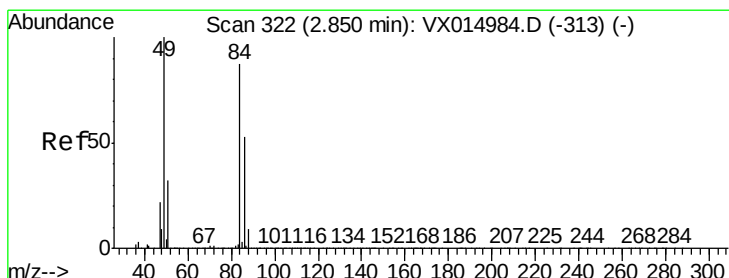
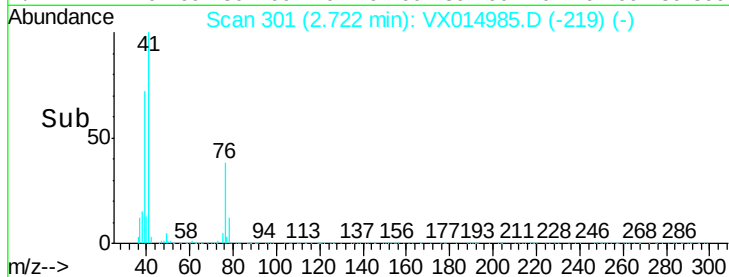
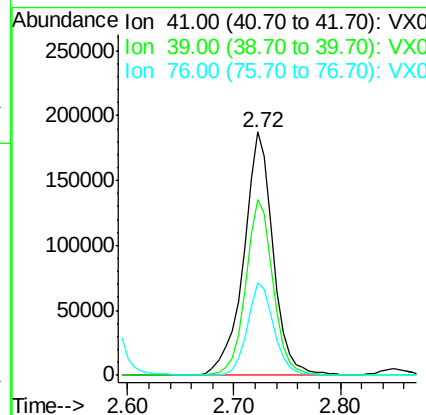
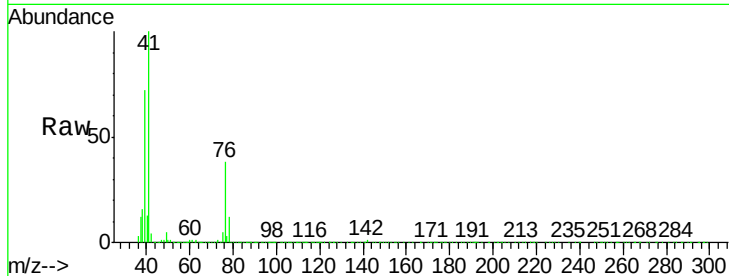
#17
Allvl chloride
Concen: 47.173 ug/l
RT: 2.72 min Scan# 301
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.2	37.1	111.5
76	37.6	18.8	56.4

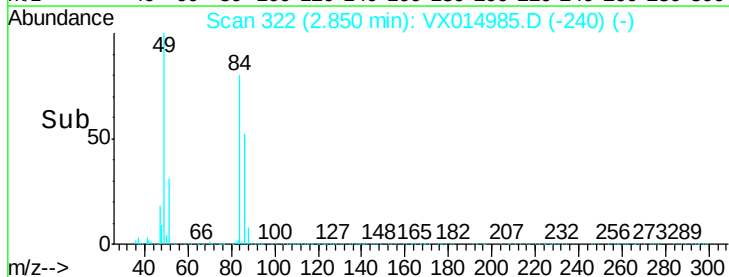
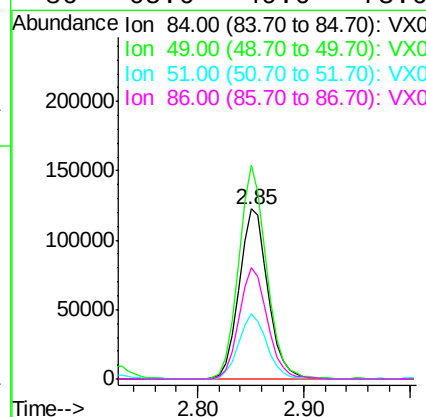
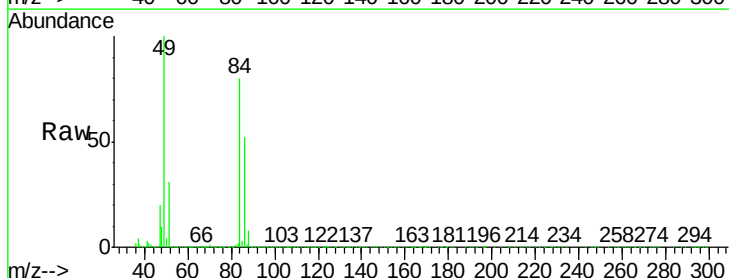
Manual Integrations
APPROVED

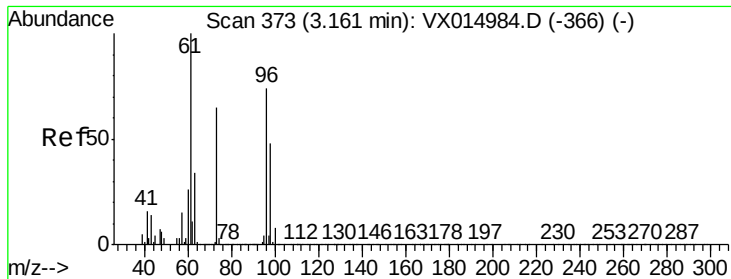
MMDadoda
2/24/2020 11:28:54 AM



#18
Methylene Chloride
Concen: 47.317 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	92.2	138.2
51	38.4	29.7	44.5
86	65.6	49.0	73.6





#19

trans-1,2-Dichloroethene

Concen: 49.717 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

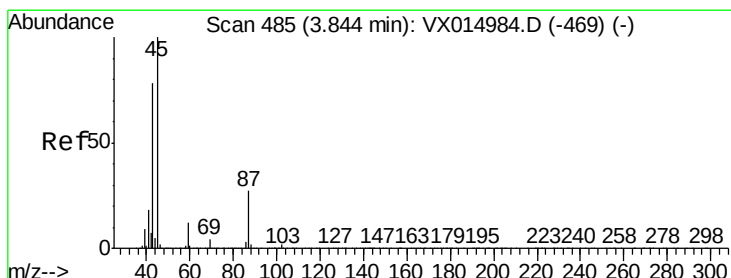
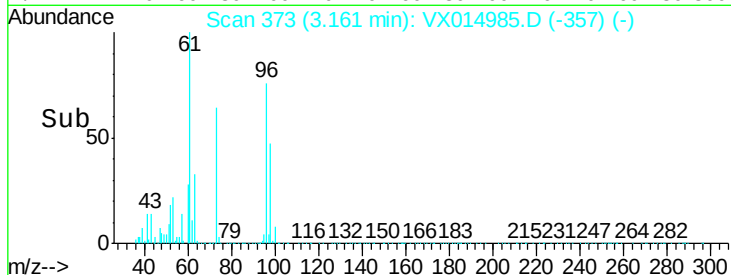
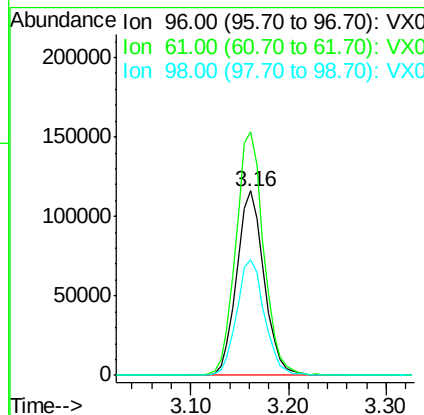
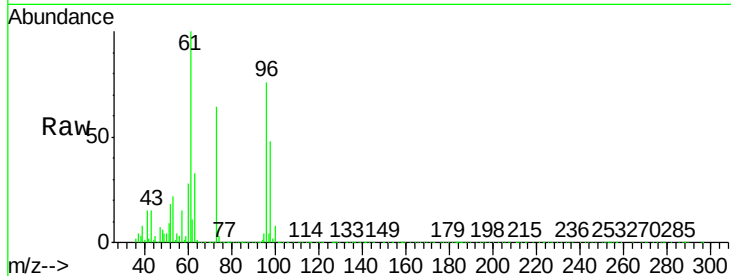
ClientSampleId :

VSTDIC050

Tot Ion:	96	Resp:	225164
Ion Ratio	Lower	Upper	
96	100		
61	131.7	107.1	160.7
98	62.6	51.4	77.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#20

Diisopropyl ether

Concen: 47.738 ug/l

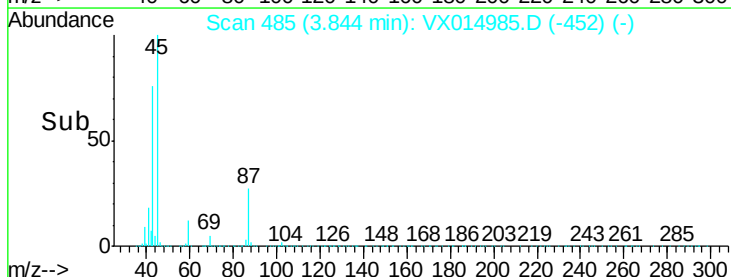
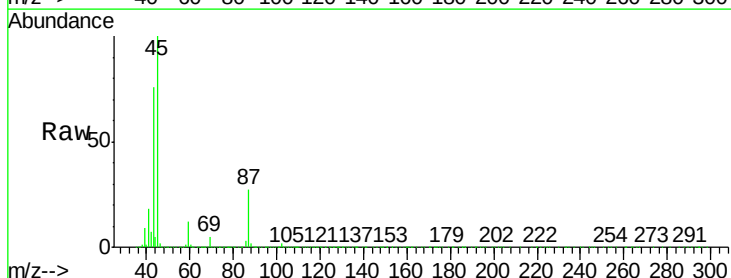
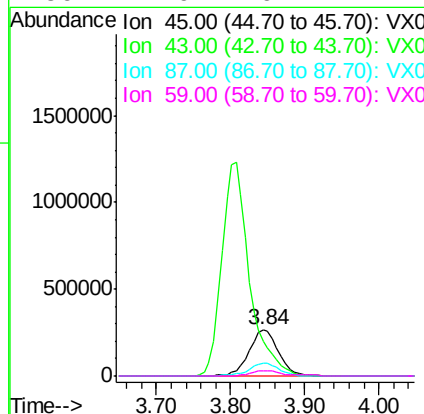
RT: 3.84 min Scan# 485

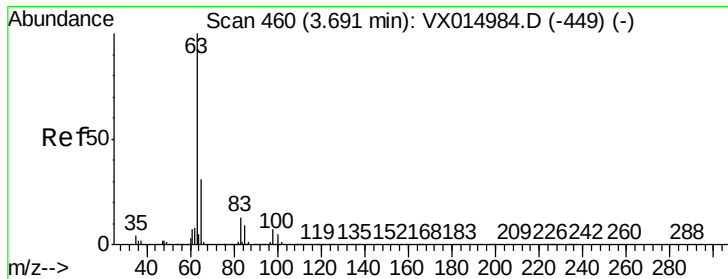
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	45	Resp:	730080
Ion Ratio	Lower	Upper	
45	100		
43	75.7	62.3	93.5
87	27.1	21.8	32.6
59	11.9	9.4	14.2





#21

1,1-Dichloroethane

Concen: 48.462 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

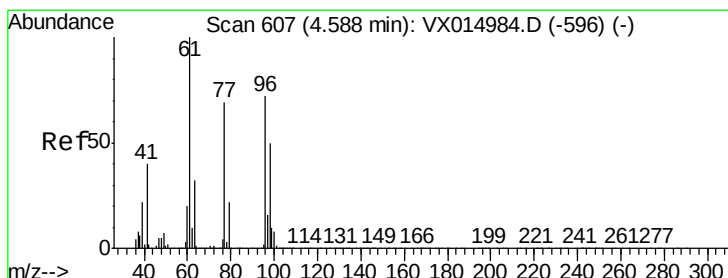
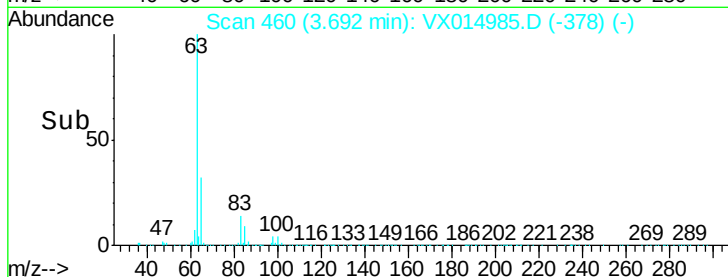
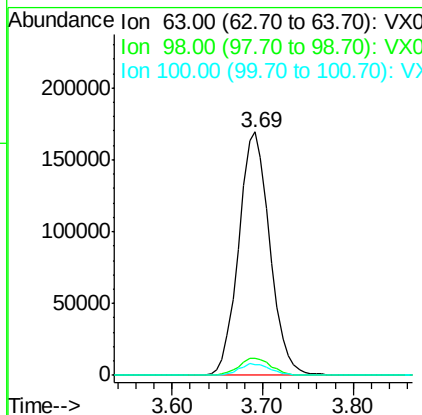
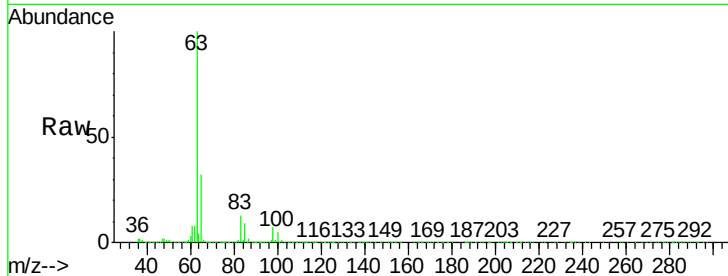
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	401849
Ion Ratio		Lower	Upper
63	100		
98	7.1	3.5	10.5
100	4.5	2.5	7.5

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#22

cis-1,2-Dichloroethene

Concen: 49.786 ug/l

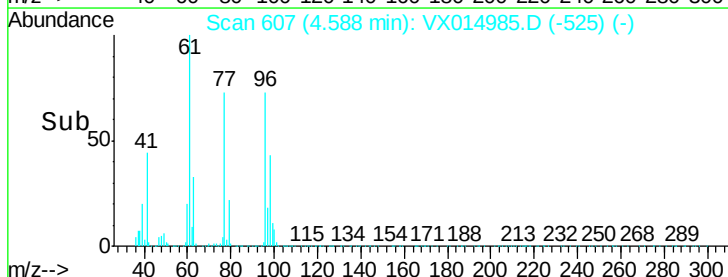
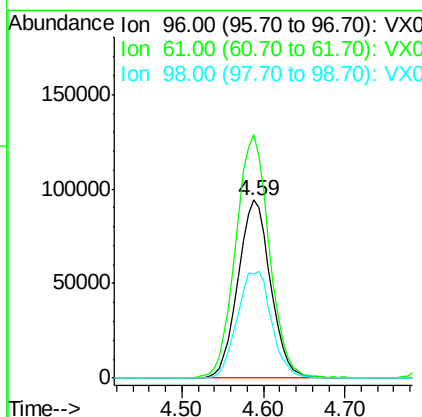
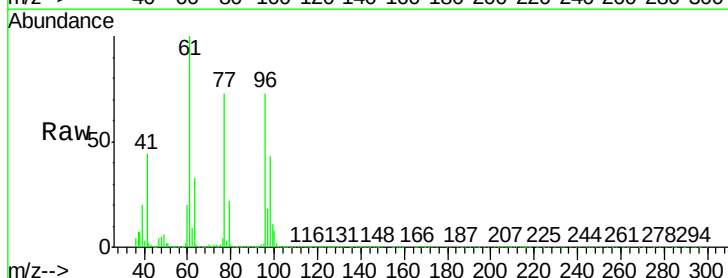
RT: 4.59 min Scan# 607

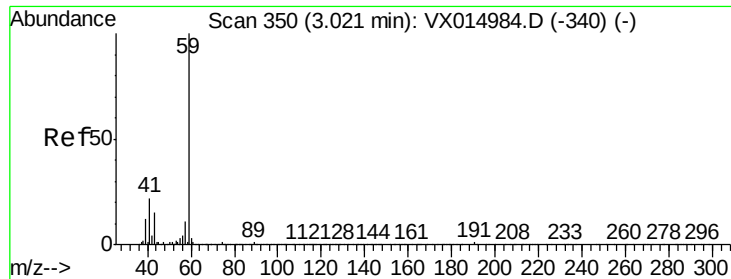
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	96	Resp:	260168
Ion Ratio		Lower	Upper
96	100		
61	140.5	110.6	165.8
98	63.2	50.4	75.6





#23

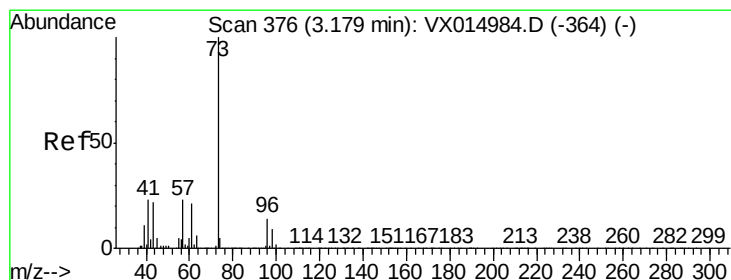
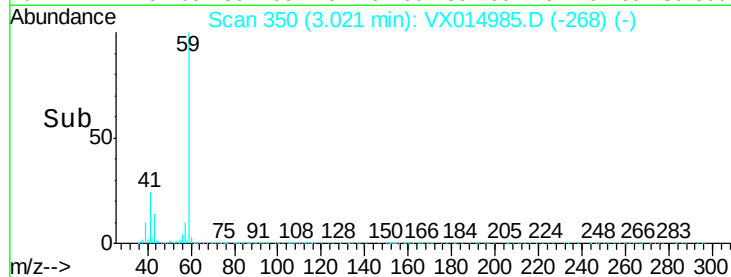
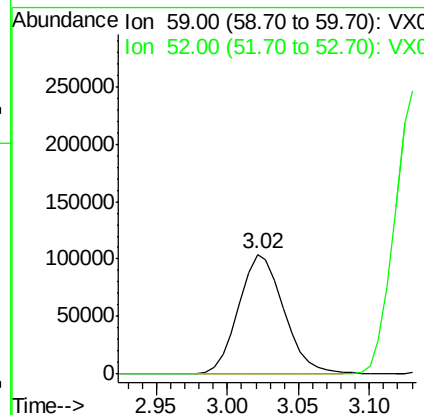
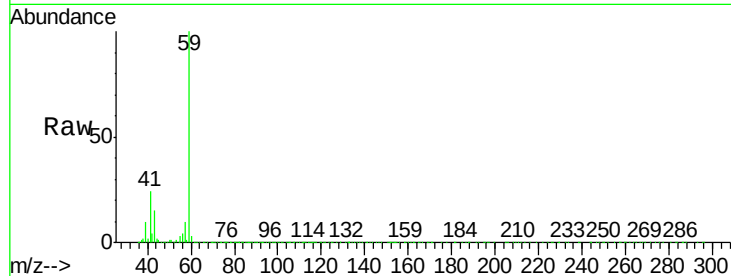
tert-Butyl Alcohol
Concen: 220.652 ug/l m
RT: 3.02 min Scan# 350
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.4	0.6#

Manual Integrations
APPROVED

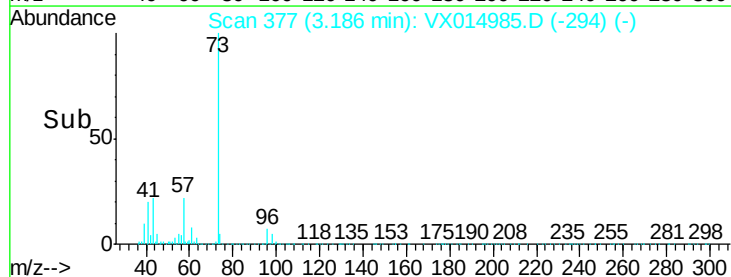
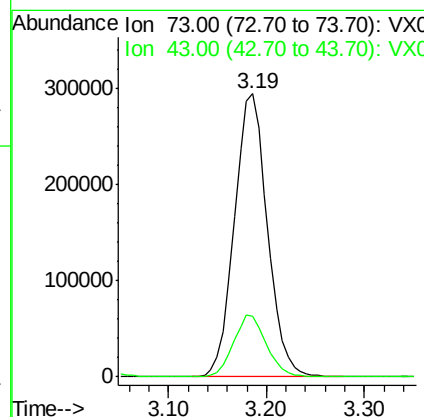
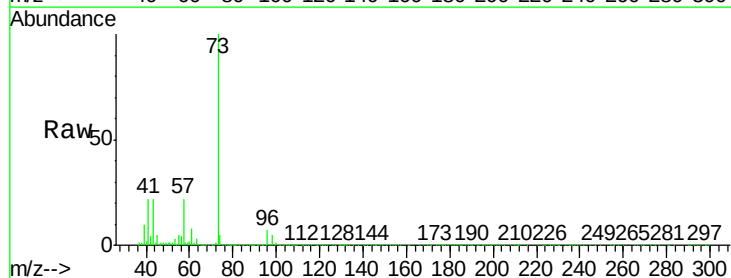
MMDadoda
2/24/2020 11:28:54 AM

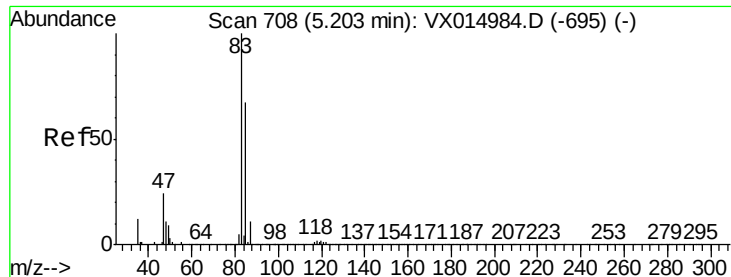


#24

Methyl tert-Butyl Ether
Concen: 49.452 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.5	17.7	26.5





#25

Chloroform

Concen: 50.053 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 406472

Ion Ratio Lower Upper

83 100

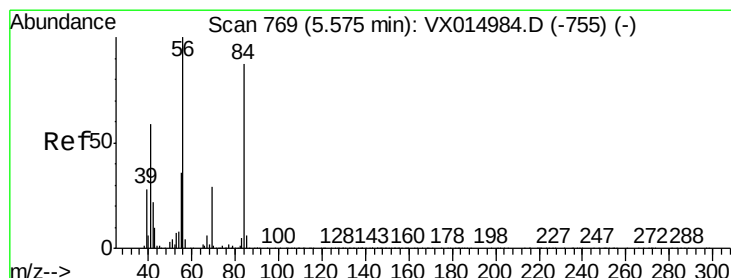
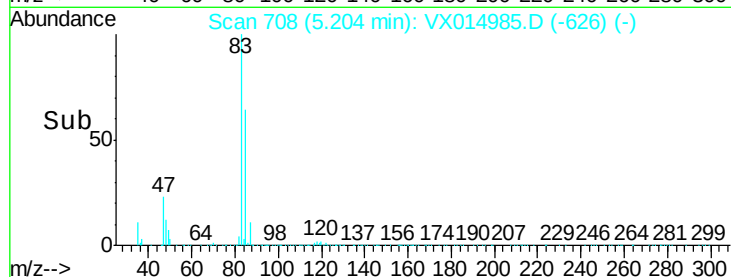
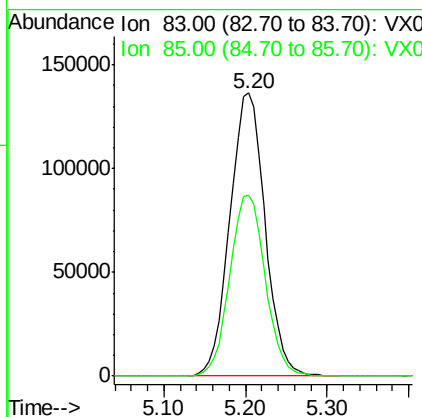
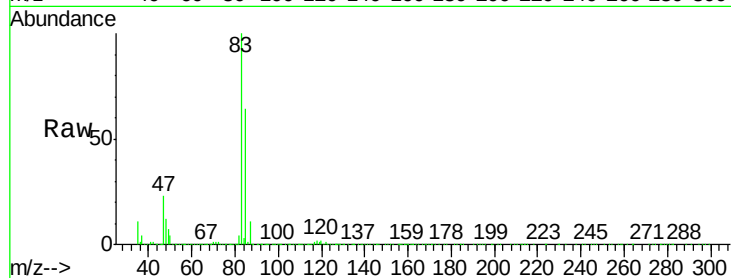
85 63.6 53.4 80.0

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#26

Cyclohexane

Concen: 47.113 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

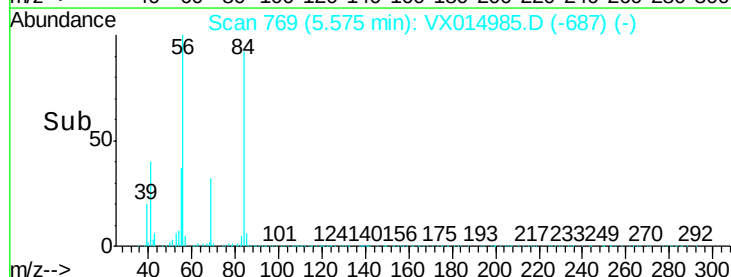
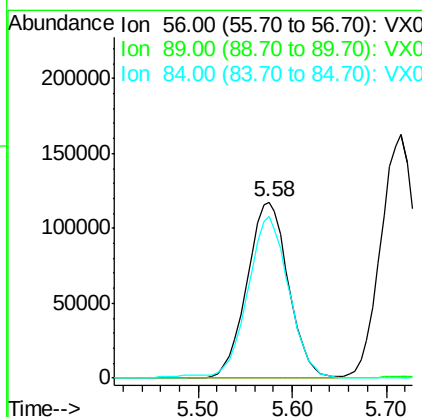
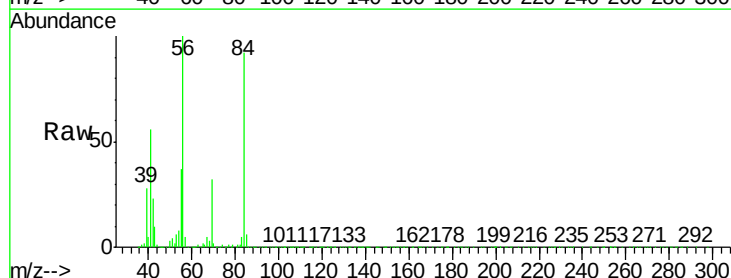
Tgt Ion: 56 Resp: 359264

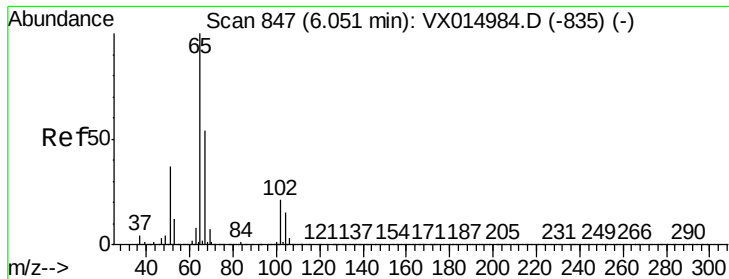
Ion Ratio Lower Upper

56 100

89 0.0 0.2 0.2#

84 91.1 71.8 107.8





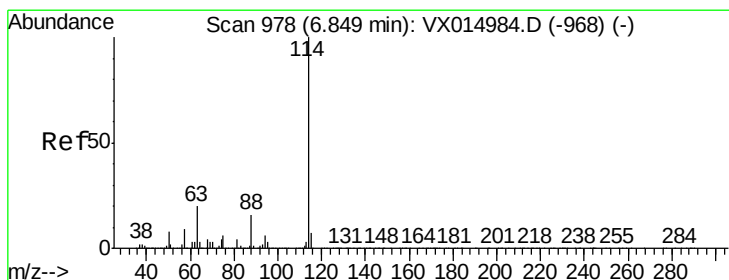
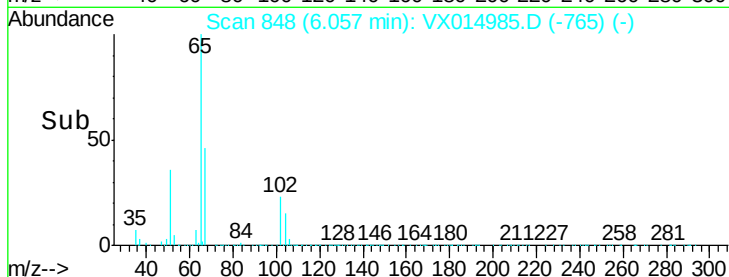
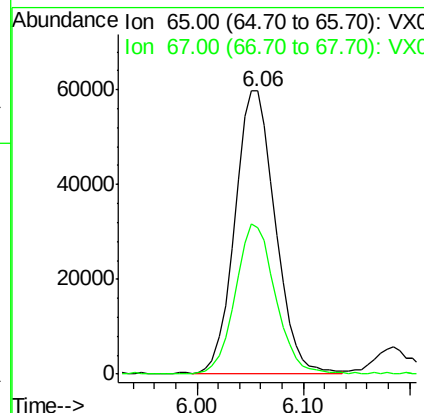
#27
 1,2-Dichloroethane-d4
 Concen: 29.361 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	41.9	62.9

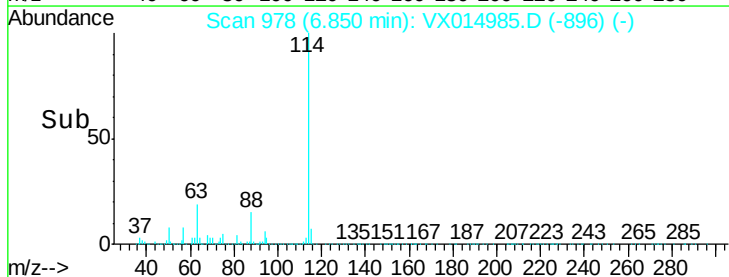
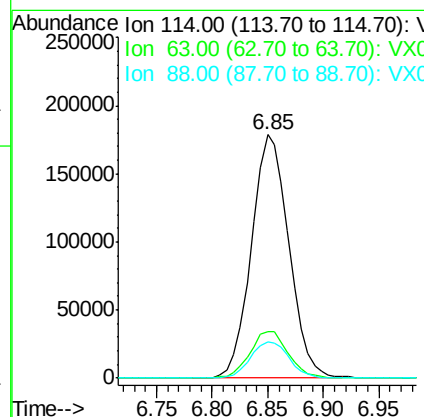
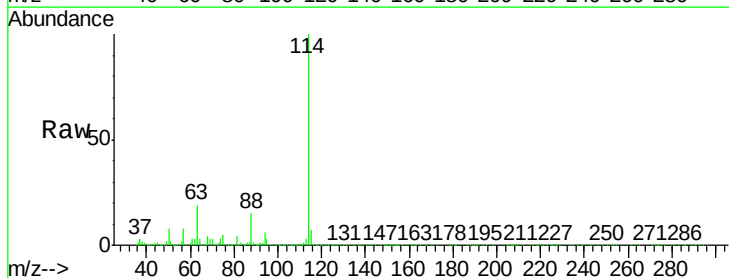
Manual Integrations
 APPROVED

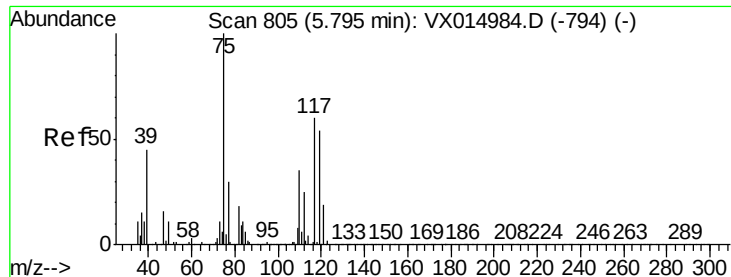
MMDadoda
 2/24/2020 11:28:54 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	15.6	23.4
88	15.3	12.2	18.2





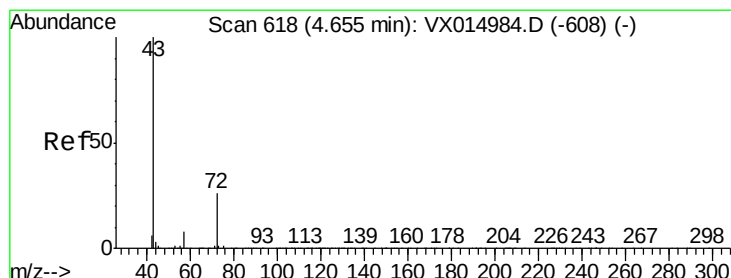
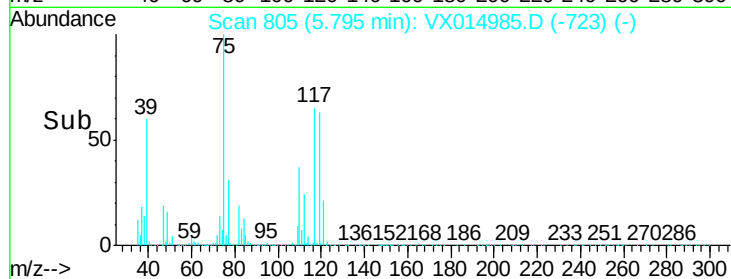
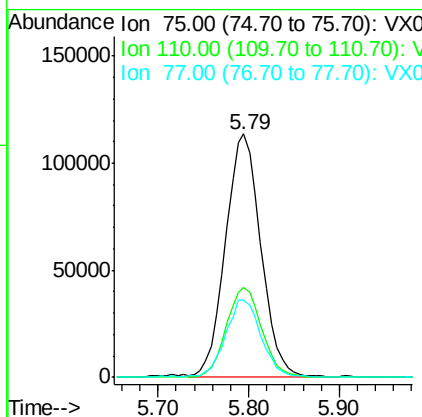
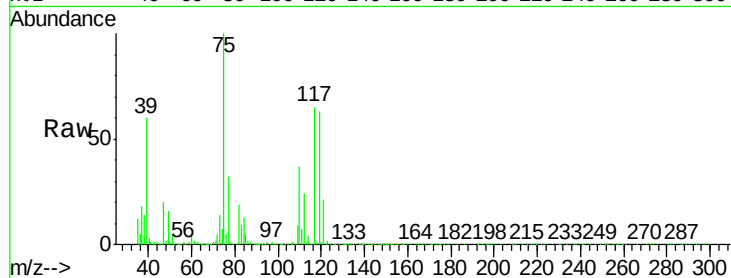
#29
 1,1-Dichloropropene
 Concen: 50.786 ug/l
 RT: 5.79 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.0	0.0	75.0
77	31.7	0.0	64.0

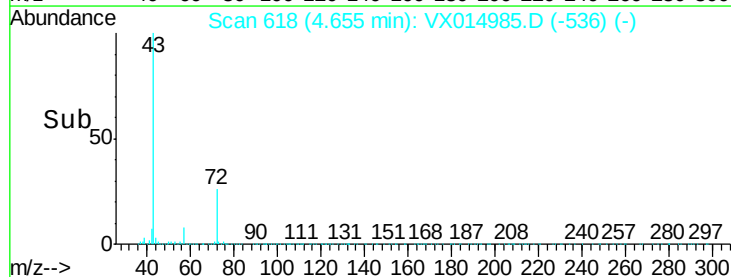
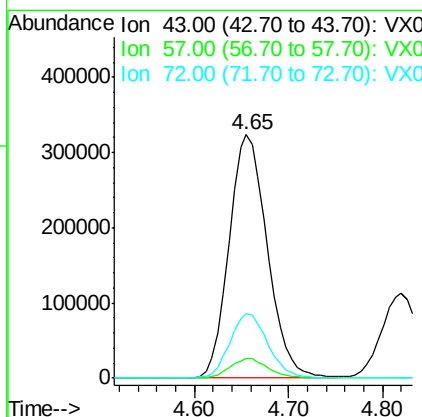
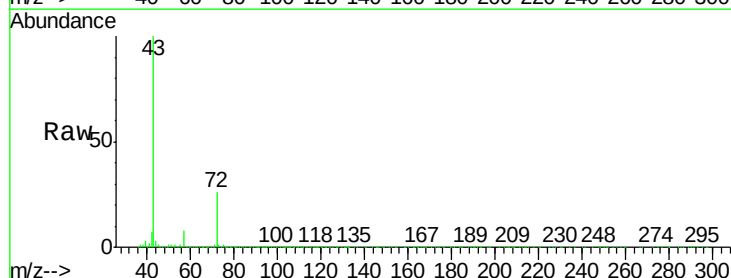
Manual Integrations
 APPROVED

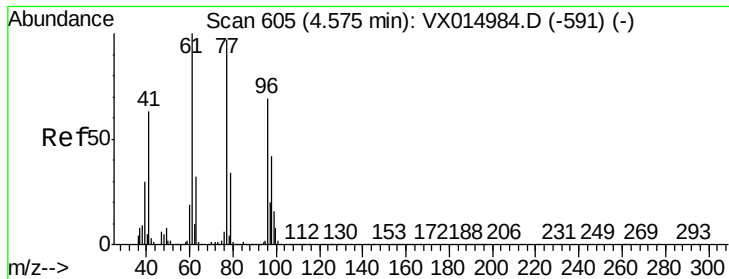
MMDadoda
 2/24/2020 11:28:54 AM



#30
 2-Butanone
 Concen: 241.022 ug/l
 RT: 4.65 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.5	9.7
72	26.0	20.3	30.5





#31

2,2-Dichloropropane

Concen: 51.522 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 77 Resp: 335910

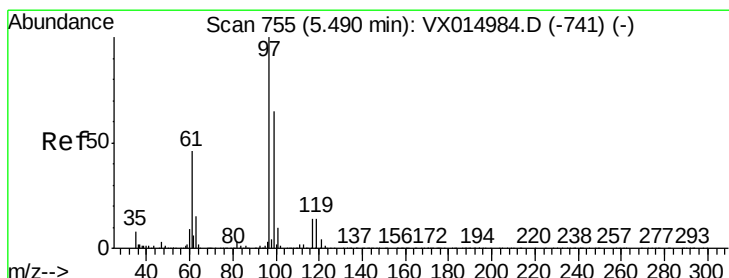
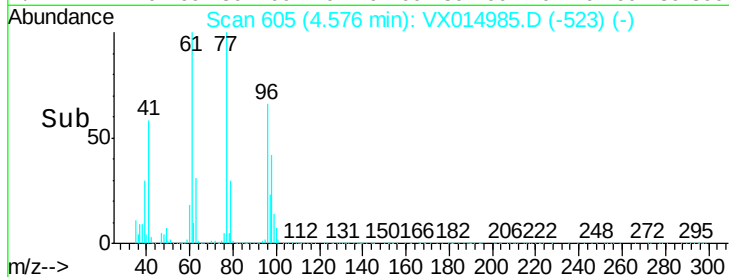
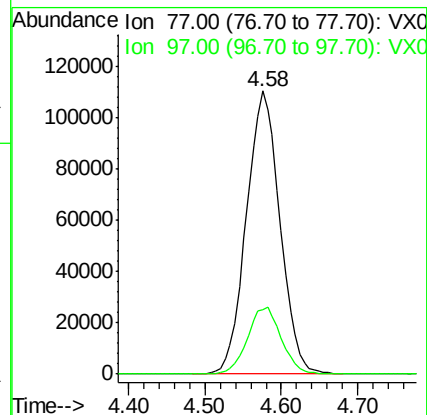
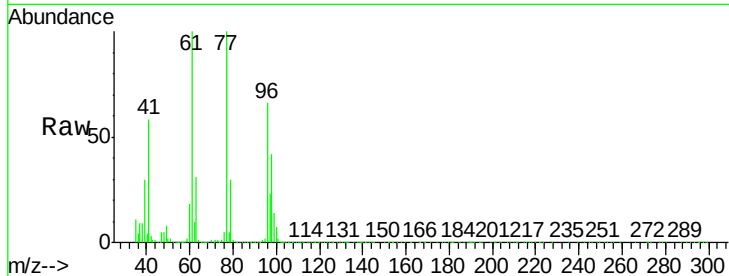
Ion Ratio Lower Upper

77 100

97 23.9 18.4 27.6

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#32

1,1,1-Trichloroethane

Concen: 51.368 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

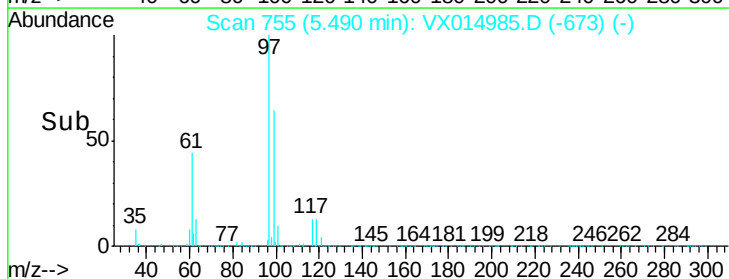
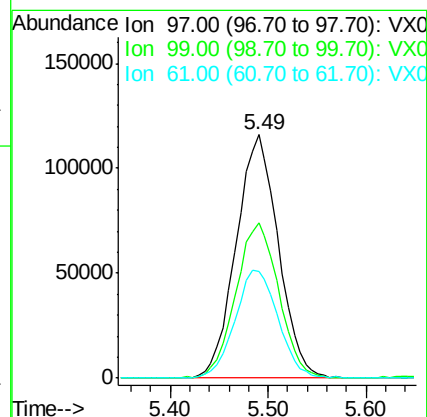
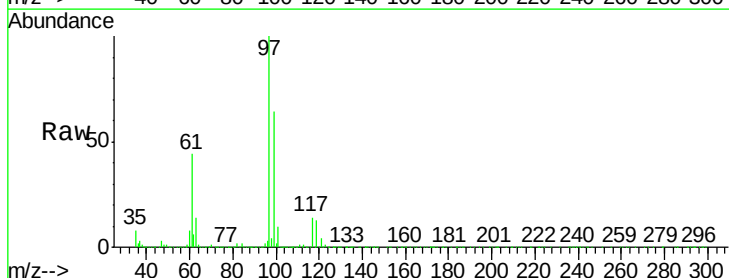
Tgt Ion: 97 Resp: 346134

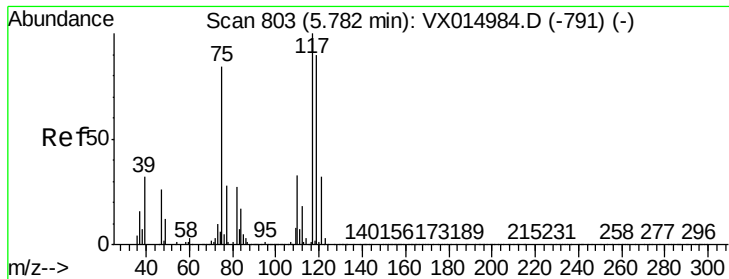
Ion Ratio Lower Upper

97 100

99 65.2 53.0 79.6

61 45.1 36.2 54.2





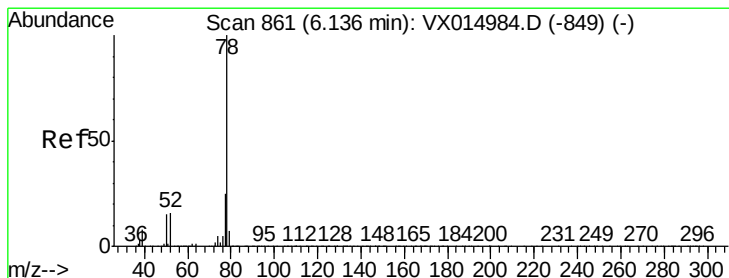
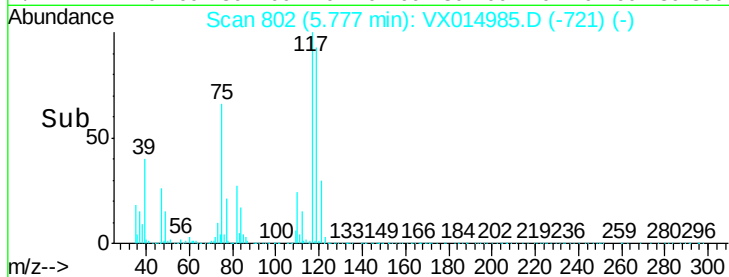
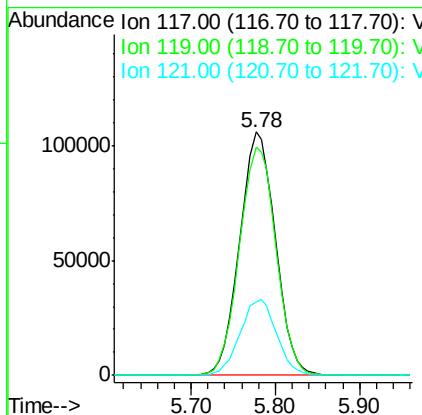
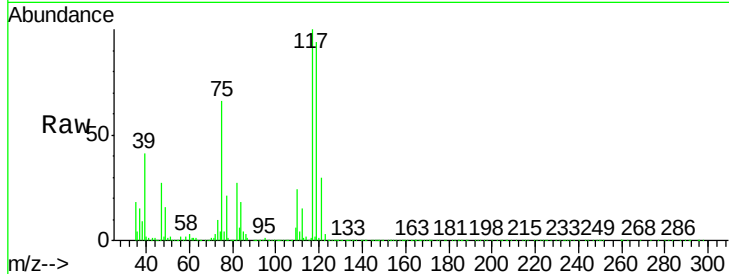
#33
Carbon Tetrachloride
Concen: 52.218 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.01 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	71.9	107.9
121	30.1	25.4	38.2

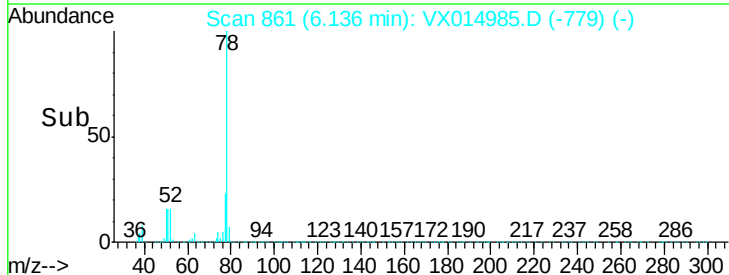
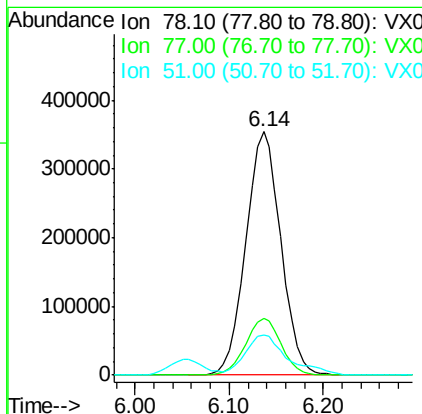
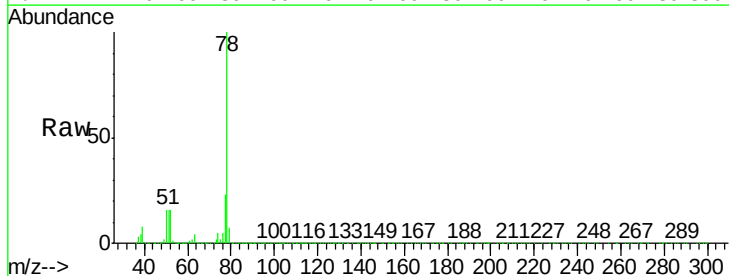
Manual Integrations
APPROVED

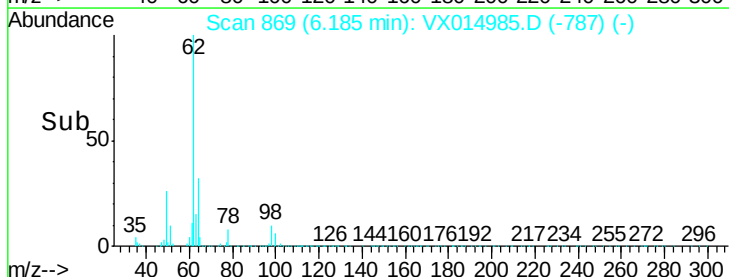
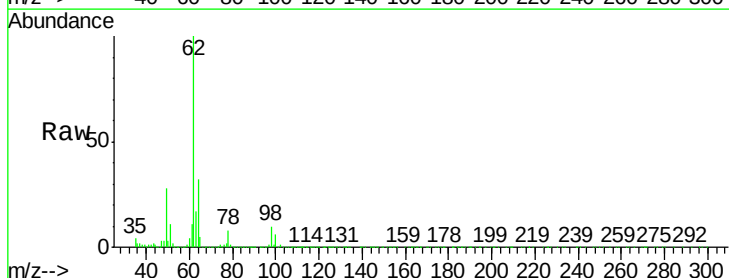
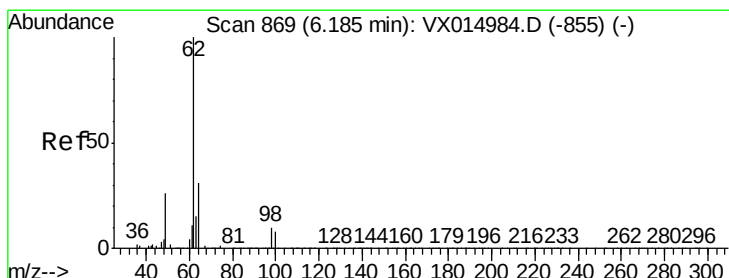
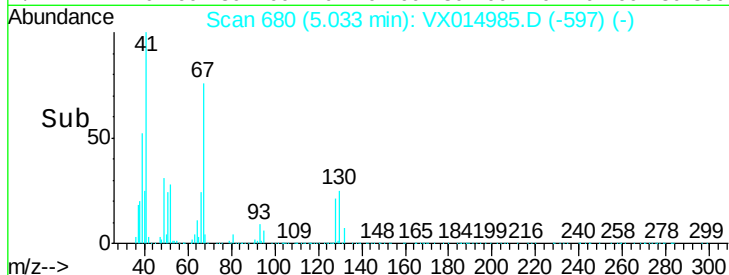
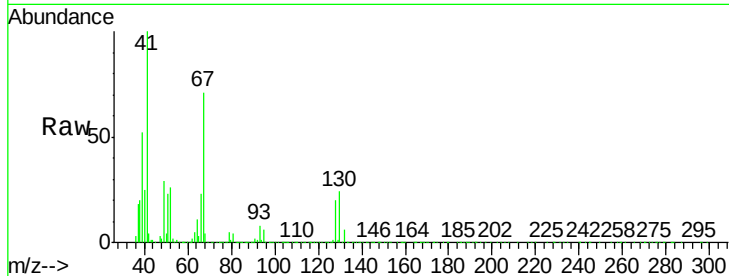
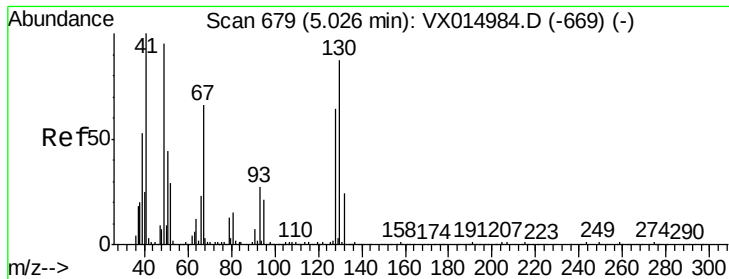
MMDadoda
2/24/2020 11:28:54 AM



#34
Benzene
Concen: 49.533 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.0	30.0
51	15.5	13.3	19.9





#35

Methacrylonitrile

Concen: 49.119 ug/l

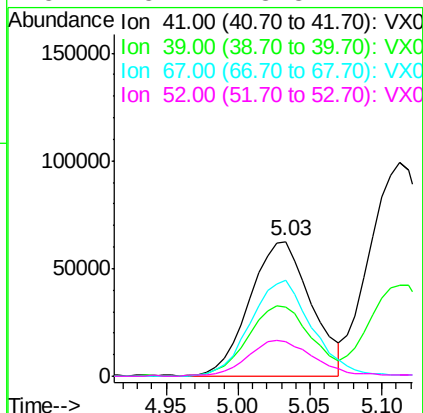
RT: 5.03 min Scan# 680

Delta R.T. 0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.2	25.9	77.7	
67	71.2	32.7	98.1	
52	25.7	13.8	41.4	



Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM

#36

1,2-Dichloroethane

Concen: 50.692 ug/l

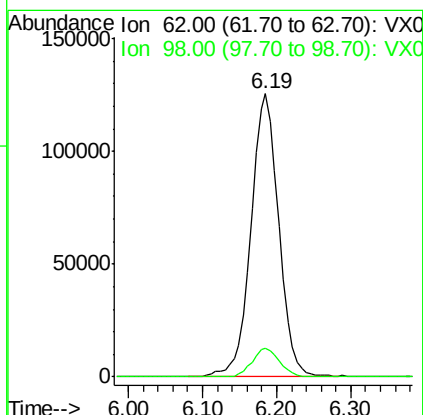
RT: 6.19 min Scan# 869

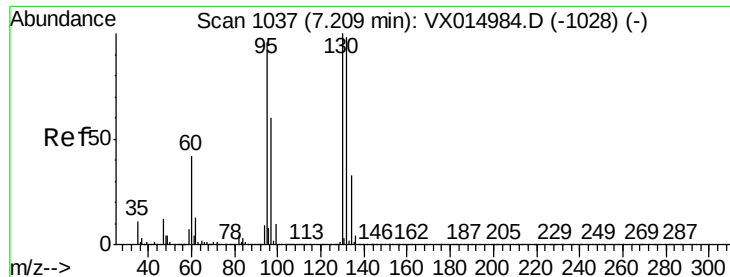
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	7.5	11.3	





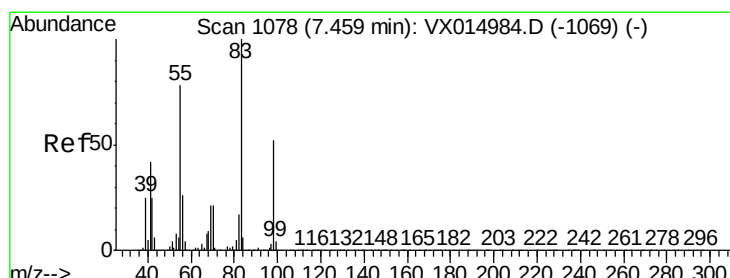
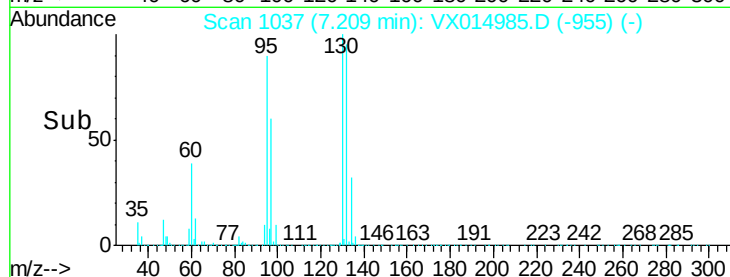
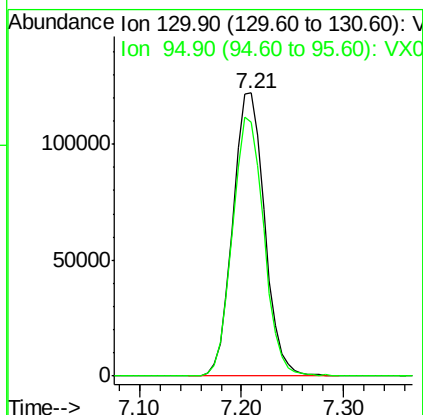
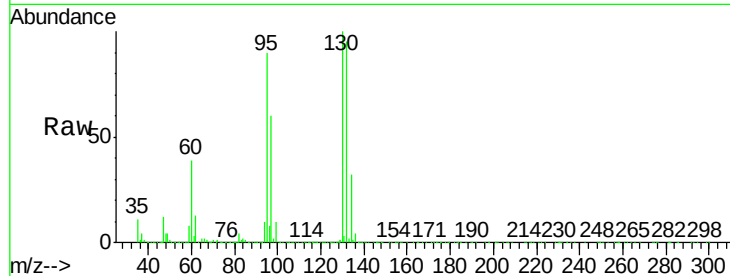
#37
 Trichloroethene
 Concen: 51.555 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	262897		
95	89.5	77.1	115.7	

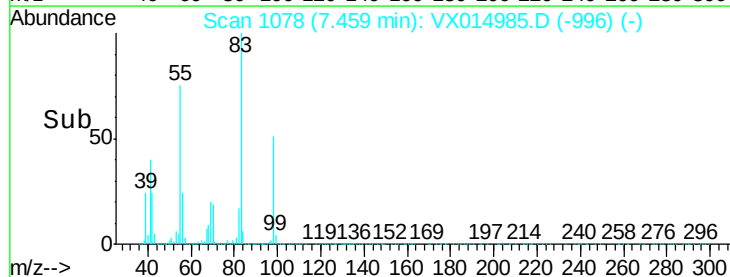
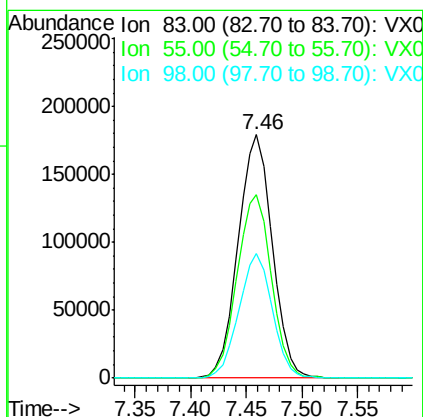
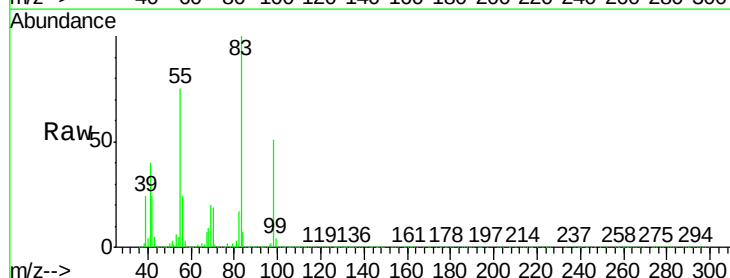
Manual Integrations
 APPROVED

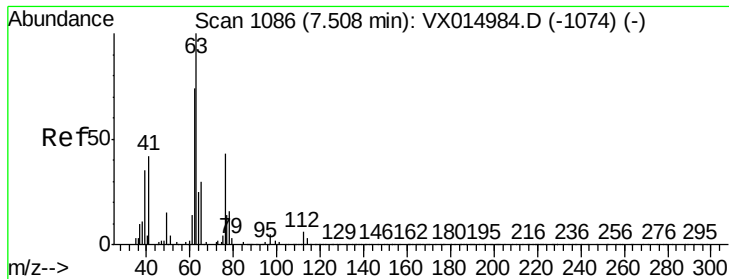
MMDadoda
 2/24/2020 11:28:54 AM



#38
 Methylcyclohexane
 Concen: 50.745 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	381194		
55	75.8	38.2	114.6	
98	50.4	25.3	75.8	





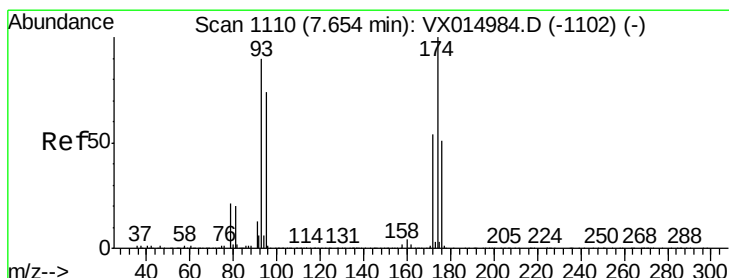
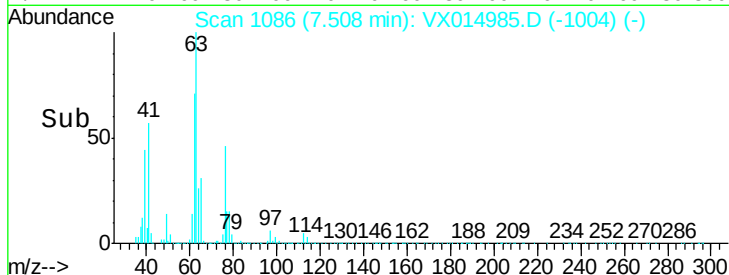
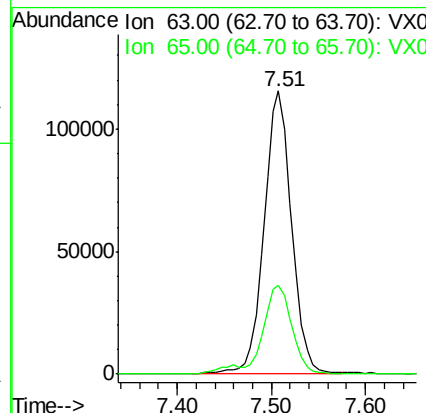
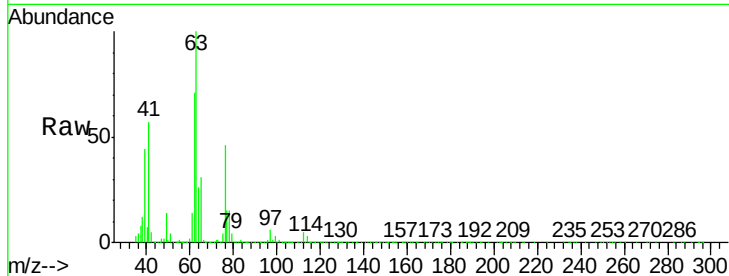
#39
 1,2-Dichloropropane
 Concen: 48.924 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.6	36.8

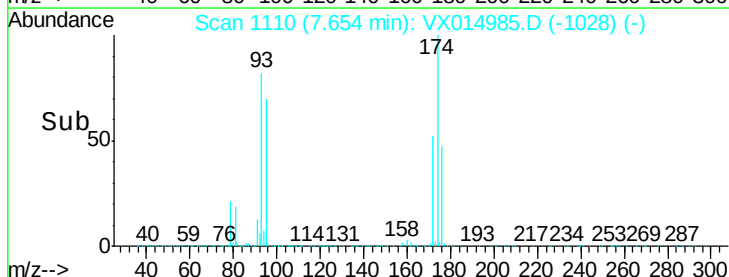
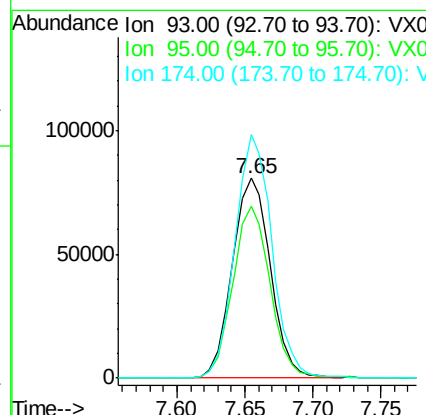
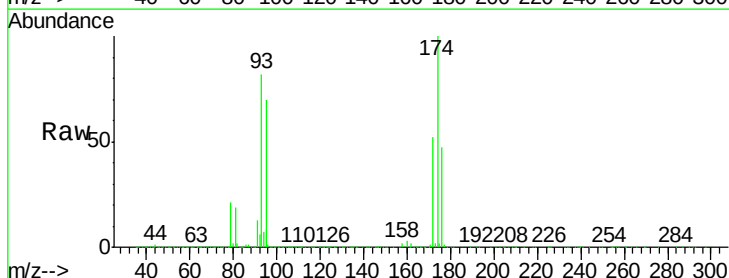
Manual Integrations
 APPROVED

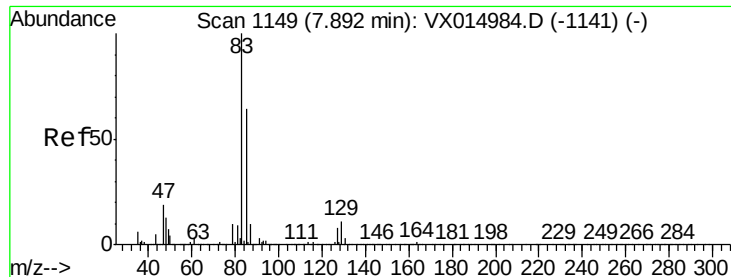
MMDadoda
 2/24/2020 11:28:54 AM



#40
 Dibromomethane
 Concen: 49.957 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	0.0	164.6
174	119.0	0.0	226.4





#41

Bromodichloromethane

Concen: 51.804 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

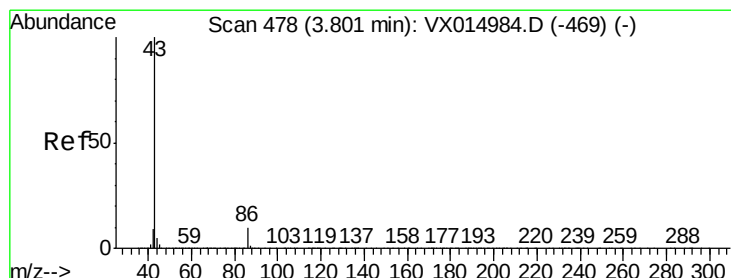
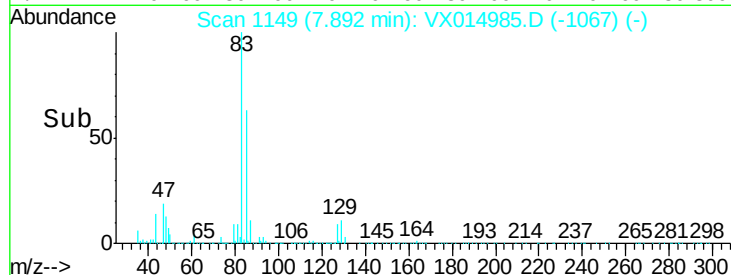
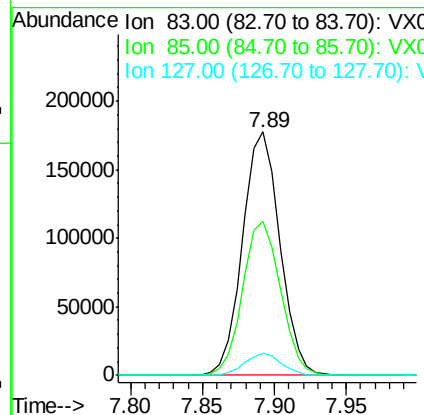
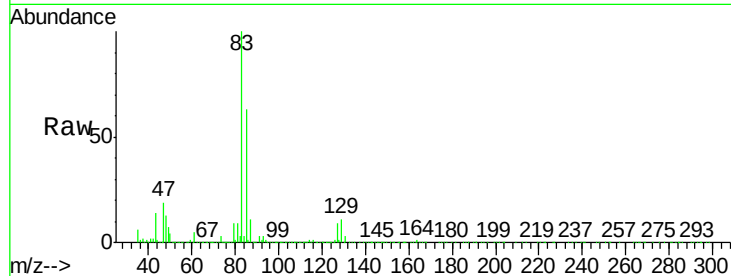
ClientSampleId :

VSTDIC050

Tot Ion	83	Resp	318755
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.0	76.4
127	8.9	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#42

Vinyl Acetate

Concen: 266.854 ug/l

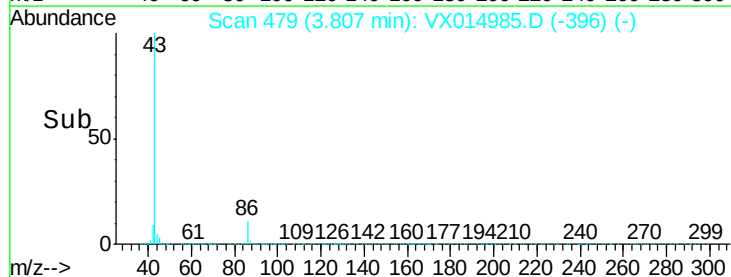
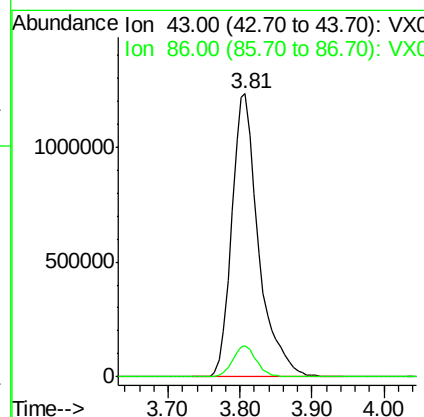
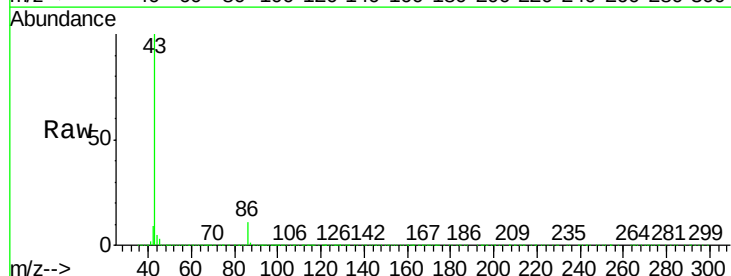
RT: 3.81 min Scan# 479

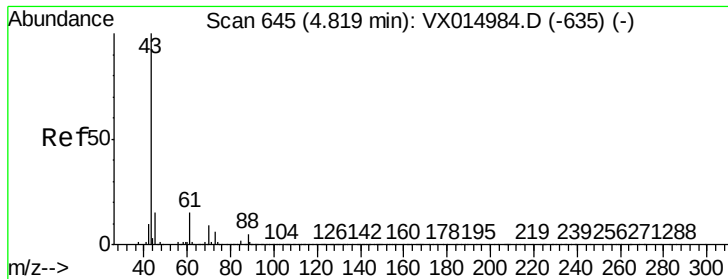
Delta R.T. 0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion	43	Resp	3181711
Ion Ratio	Lower	Upper	
43	100		
86	9.9	7.6	11.4





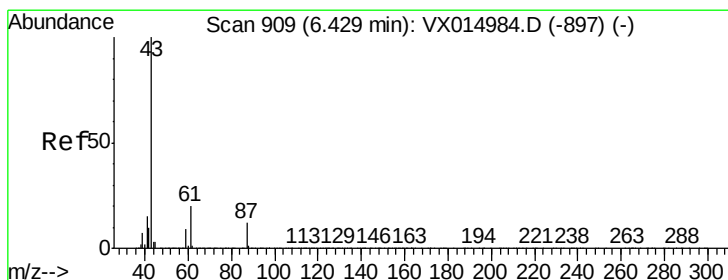
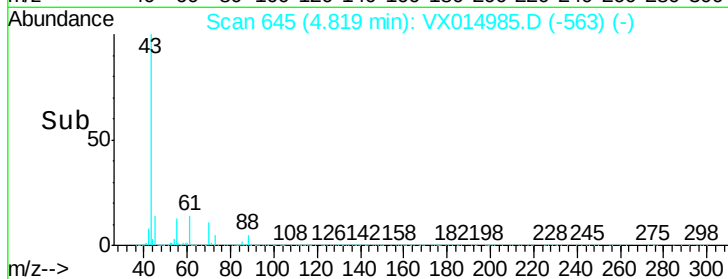
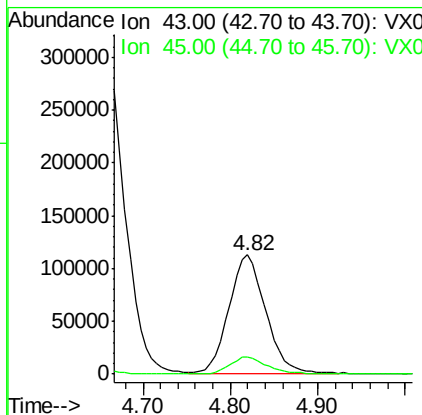
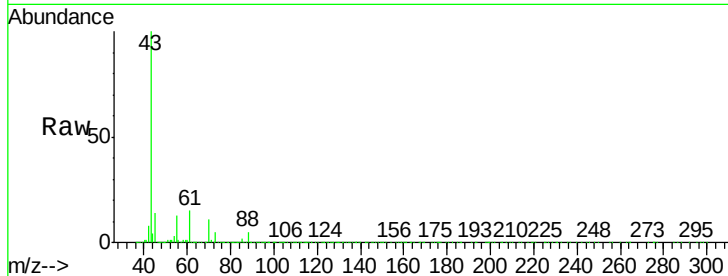
#43
Ethyl Acetate
Concen: 47.687 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
45	14.6	10.8	16.2

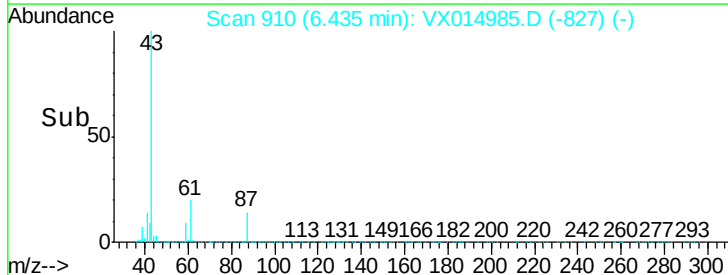
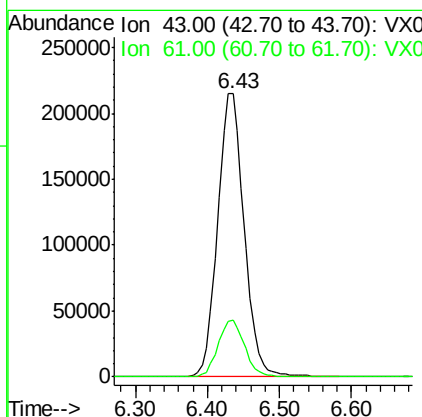
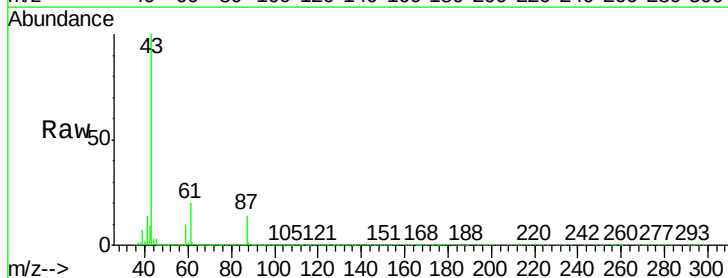
Manual Integrations
APPROVED

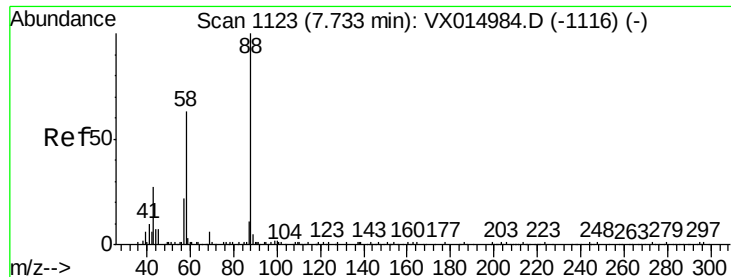
MMDadoda
2/24/2020 11:28:54 AM



#44
Isopropyl Acetate
Concen: 49.292 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.01 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	15.6	23.4





#45

1,4-Dioxane

Concen: 941.286 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

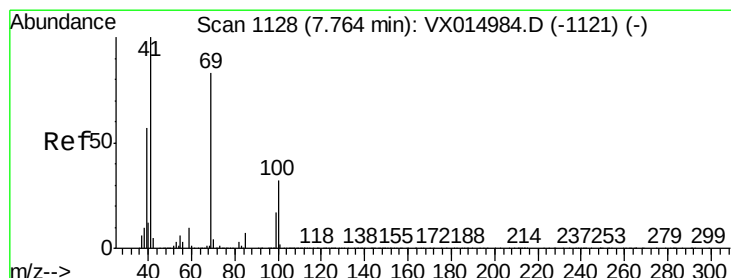
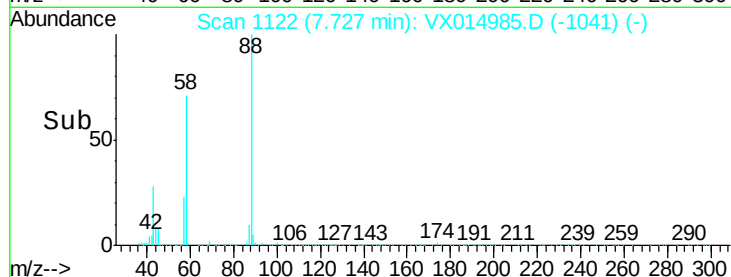
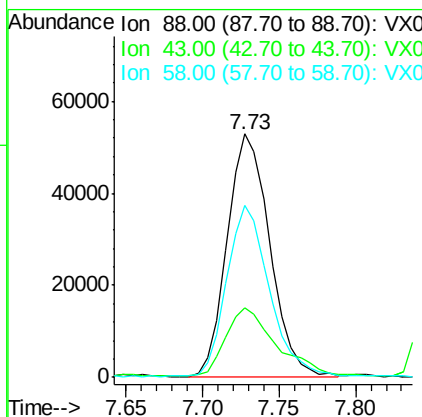
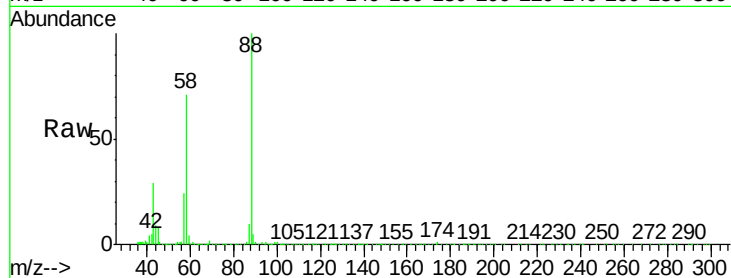
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	102456
Ion Ratio	Lower	Upper	
88	100		
43	33.6	25.4	38.2
58	70.1	55.8	83.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#46

Methyl methacrylate

Concen: 50.195 ug/l

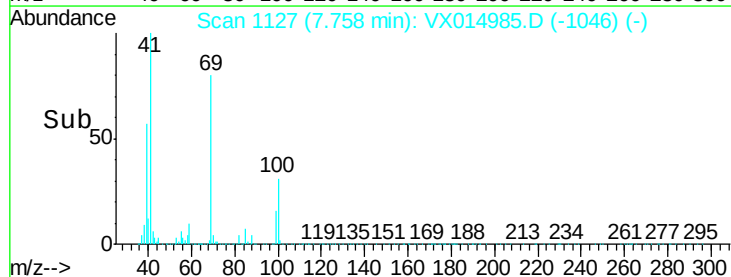
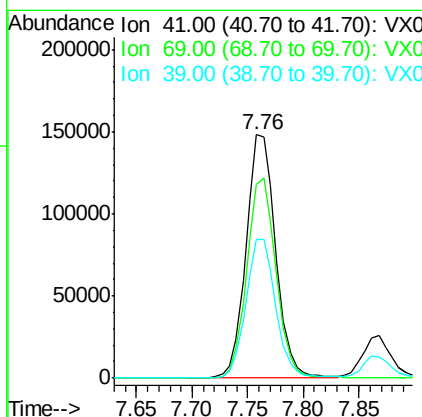
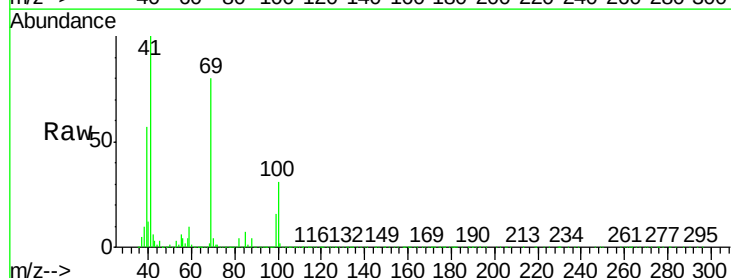
RT: 7.76 min Scan# 1127

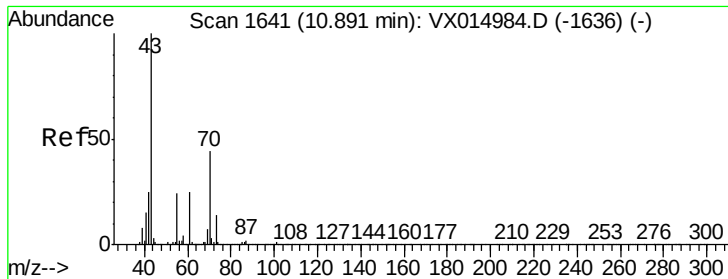
Delta R.T. -0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	41	Resp:	273209
Ion Ratio	Lower	Upper	
41	100		
69	79.6	41.4	124.2
39	56.7	28.3	84.9





#47

n-amvl Acetate

Concen: 51.437 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC050

Tot Ion: 43 Resp: 482730

Ion Ratio Lower Upper

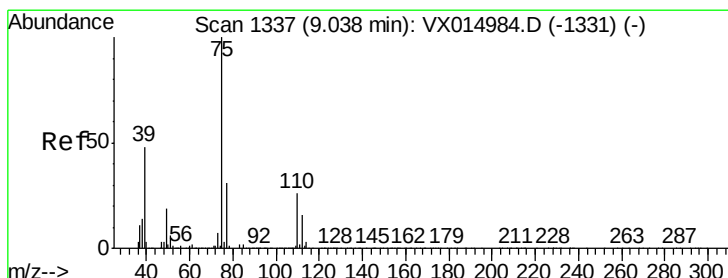
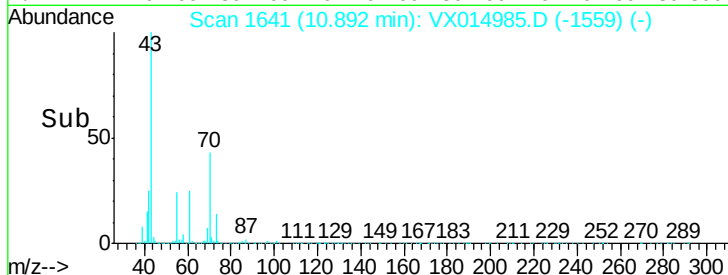
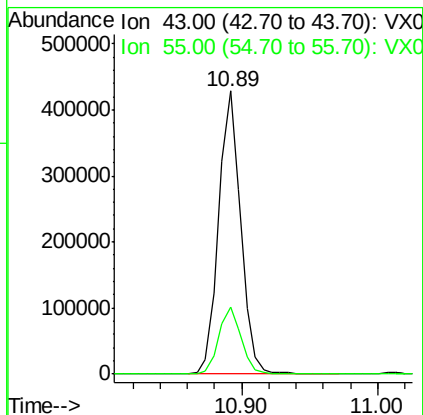
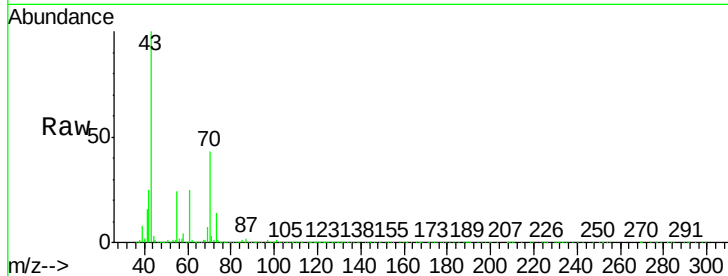
43 100

55 23.7 19.2 28.8

Manual Integrations
APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#48

t-1,3-Dichloropropene

Concen: 53.228 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014985.D

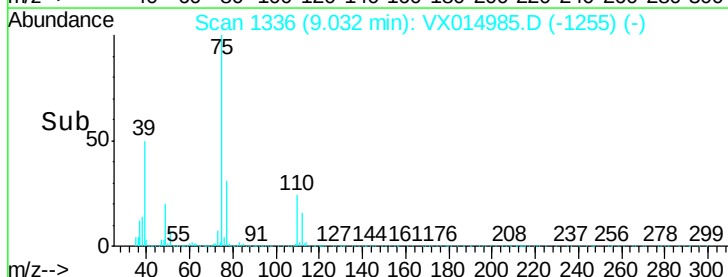
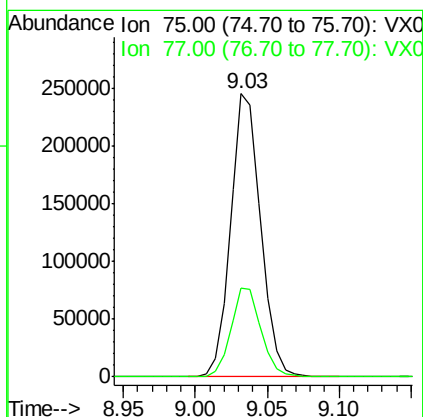
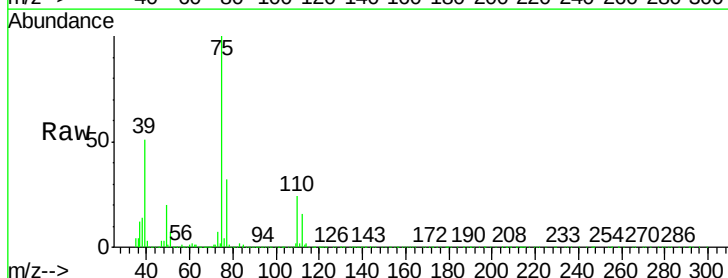
Acq: 21 Feb 2020 09:59

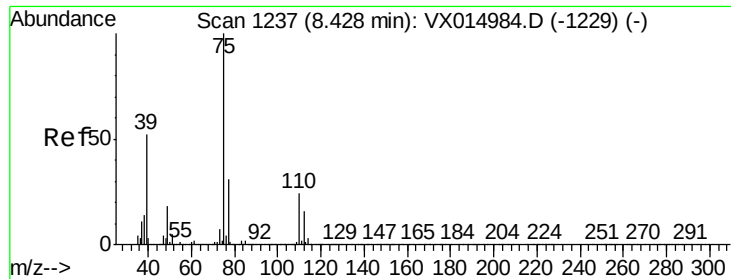
Tgt Ion: 75 Resp: 357458

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8





#49

cis-1,3-Dichloropropene

Concen: 51.529 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

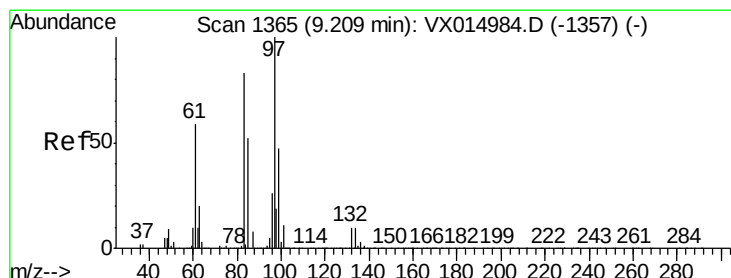
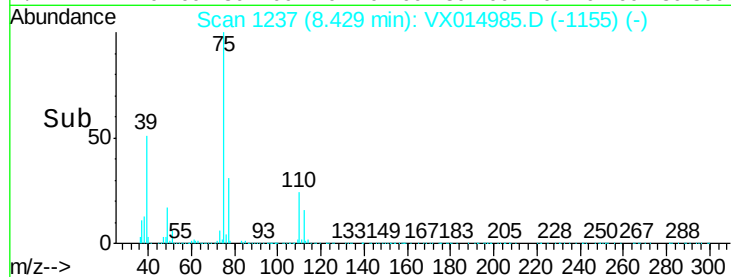
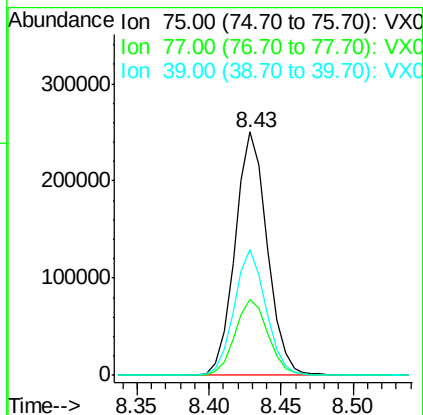
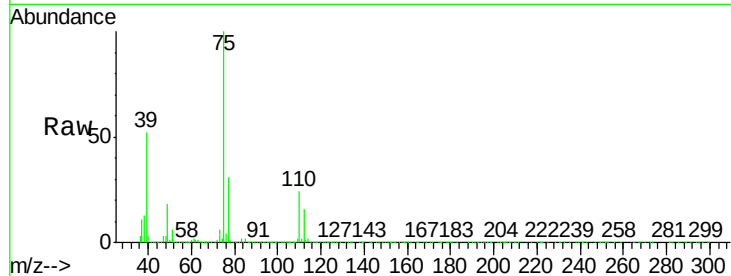
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	389065
Ion Ratio	Lower	Upper	
75	100		
77	31.3	24.6	36.8
39	51.4	41.5	62.3

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#50

1,1,2-Trichloroethane

Concen: 49.603 ug/l

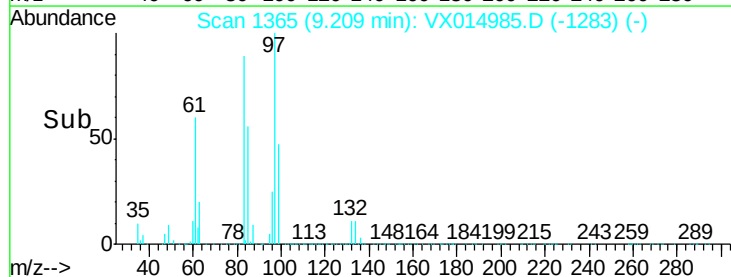
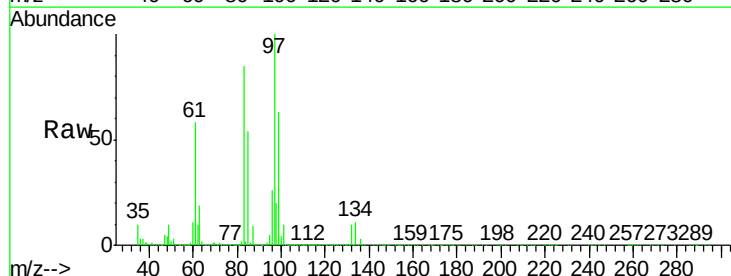
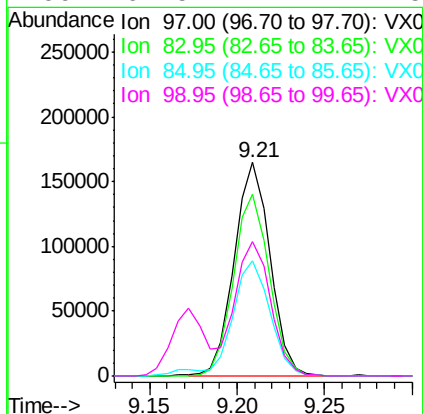
RT: 9.21 min Scan# 1365

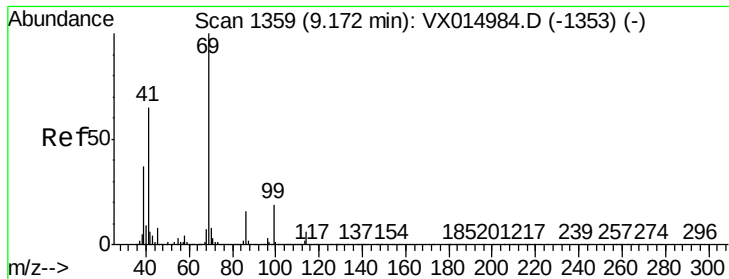
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	97	Resp:	235738
Ion Ratio	Lower	Upper	
97	100		
83	85.0	66.2	99.2
85	53.8	42.4	63.6
99	62.5	47.7	71.5





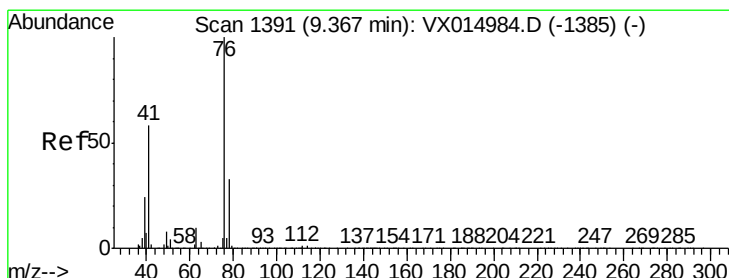
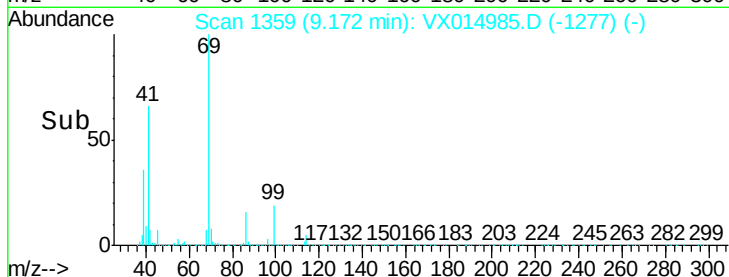
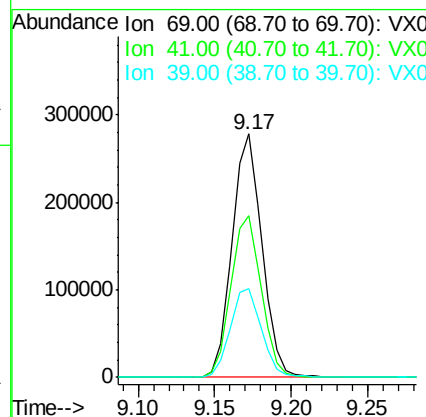
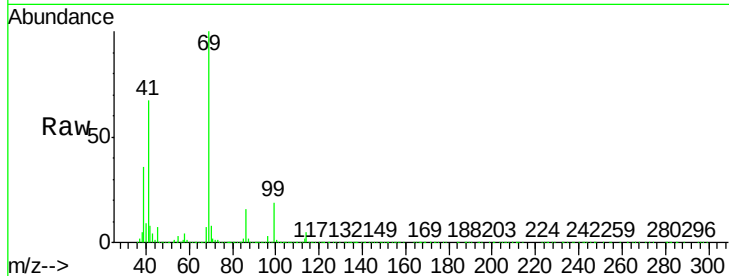
#51
Ethyl methacrylate
Concen: 50.829 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.5	32.7	98.1
39	36.2	18.2	54.6

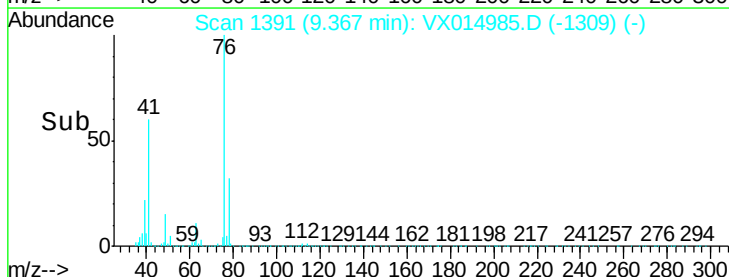
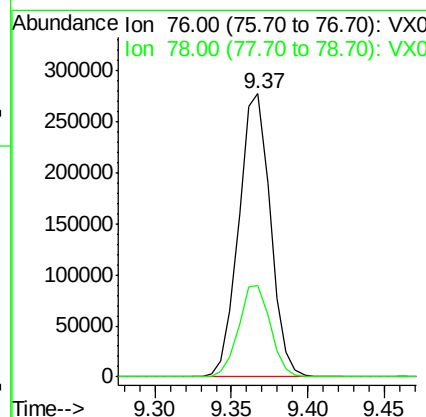
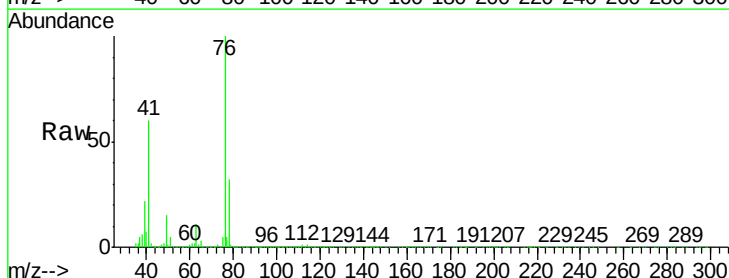
Manual Integrations
APPROVED

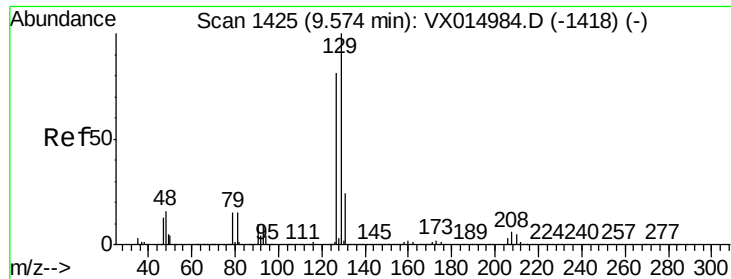
MMDadoda
2/24/2020 11:28:54 AM



#52
1,3-Dichloropropane
Concen: 49.359 ug/l
RT: 9.37 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.0





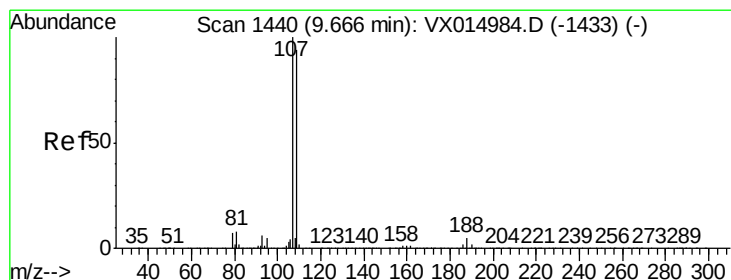
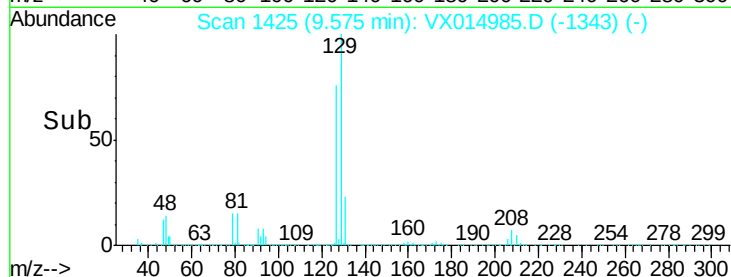
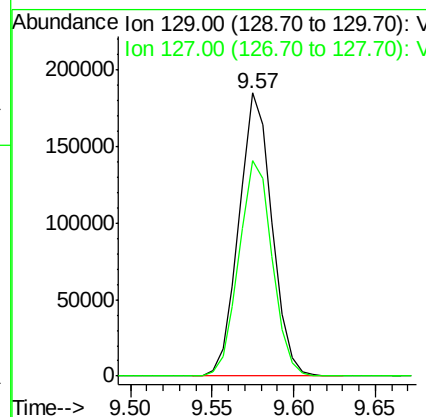
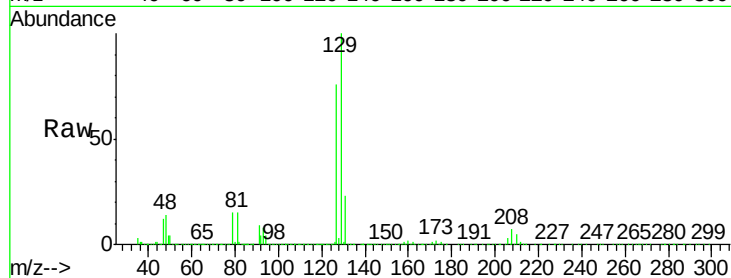
#53
Dibromochloromethane
Concen: 53.008 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.3	114.9

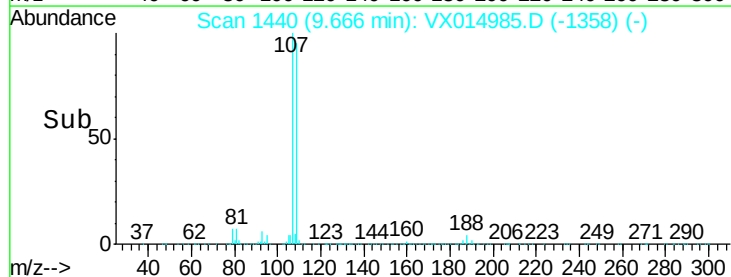
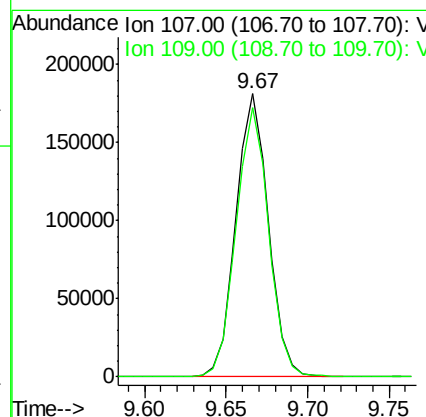
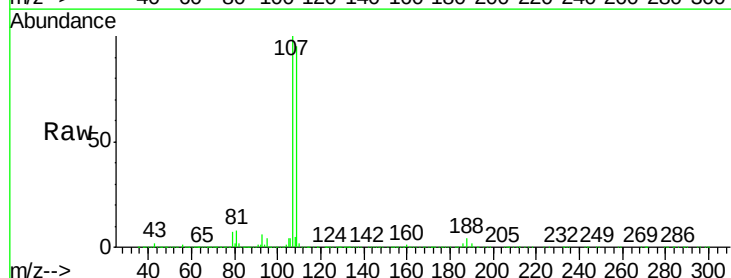
Manual Integrations
APPROVED

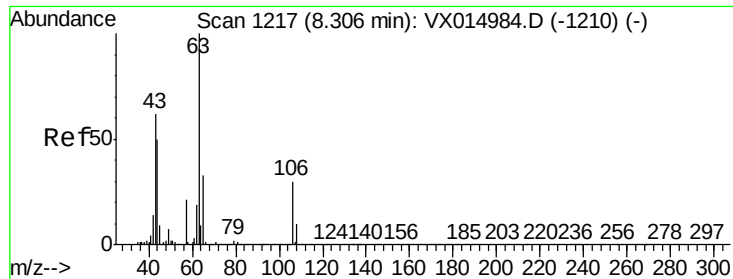
MMDadoda
2/24/2020 11:28:54 AM



#54
1,2-Dibromoethane
Concen: 51.115 ug/l
RT: 9.67 min Scan# 1440
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.3	114.5





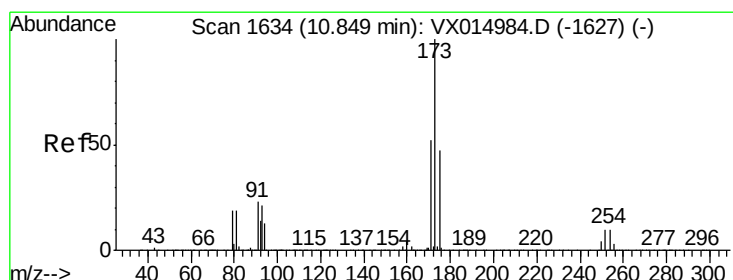
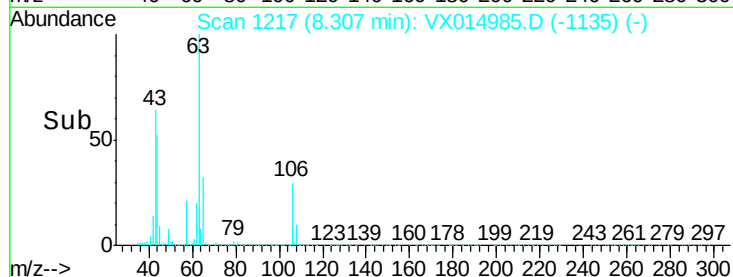
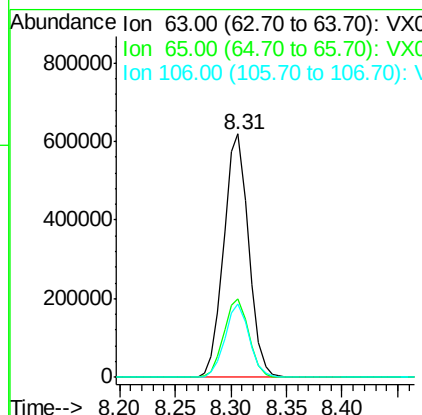
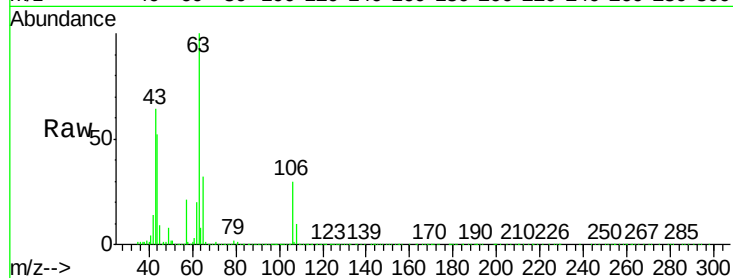
#55
2-Chloroethyl vinyl ether
Concen: 272.488 ug/l
RT: 8.31 min Scan# 1217
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion:	63	Resp:	954278
Ion Ratio	Lower	Upper	
63	100		
65	32.2	26.0	39.0
106	29.4	23.9	35.9

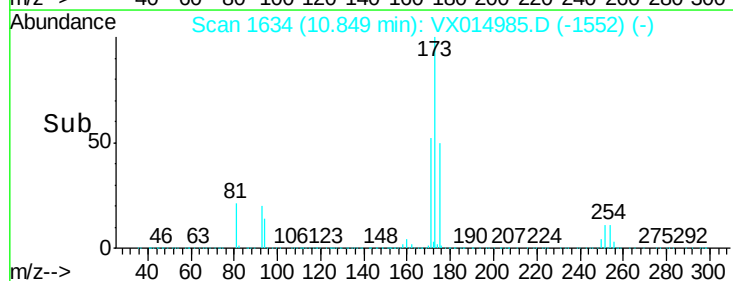
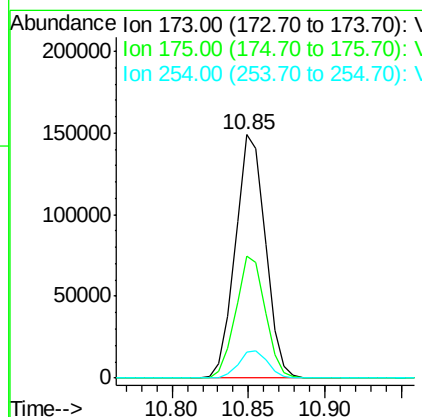
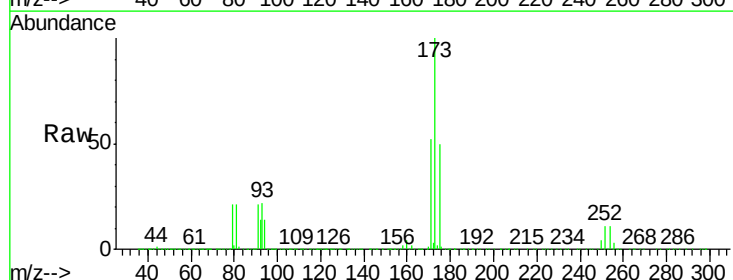
Manual Integrations
APPROVED

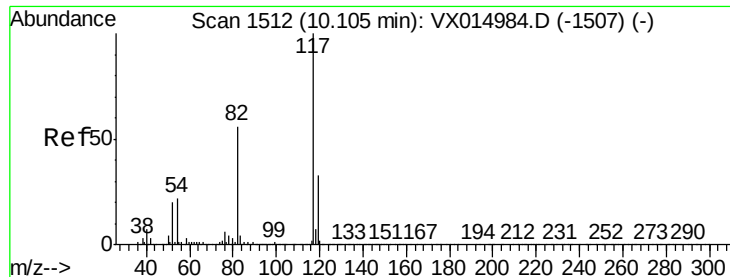
MMDadoda
2/24/2020 11:28:54 AM



#56
Bromoform
Concen: 53.501 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion:	173	Resp:	202931
Ion Ratio	Lower	Upper	
173	100		
175	49.6	38.6	57.8
254	11.3	8.6	13.0





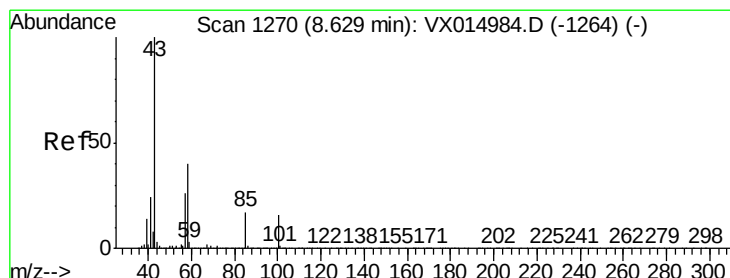
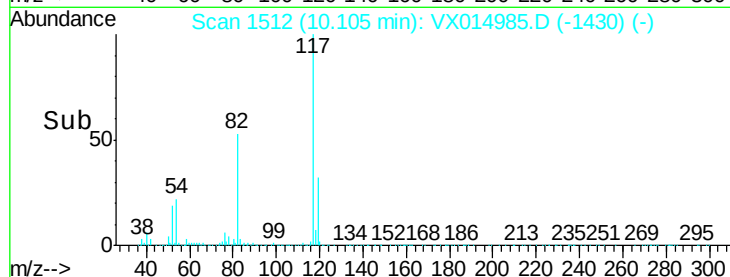
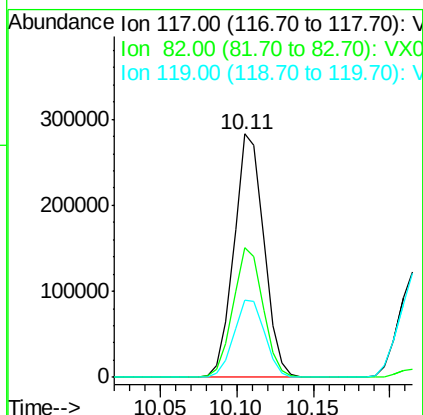
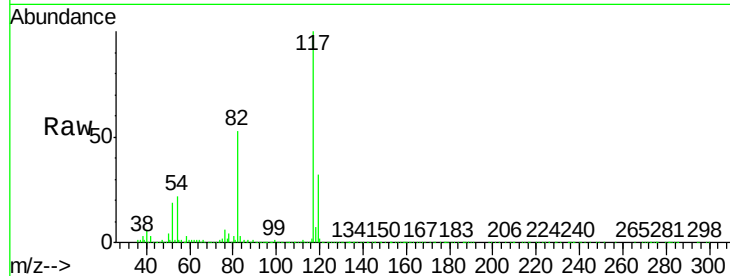
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	382998		
82	53.2		43.4	65.2
119	32.6		26.0	39.0

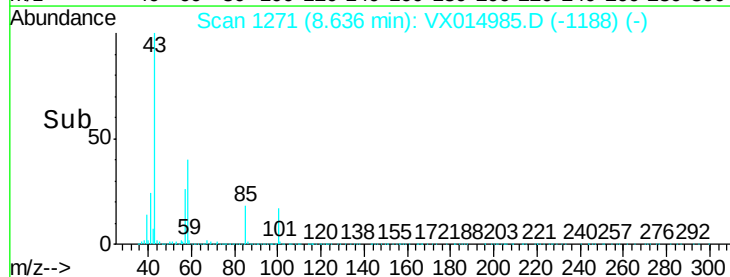
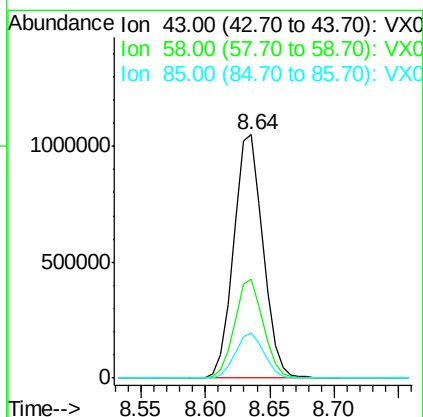
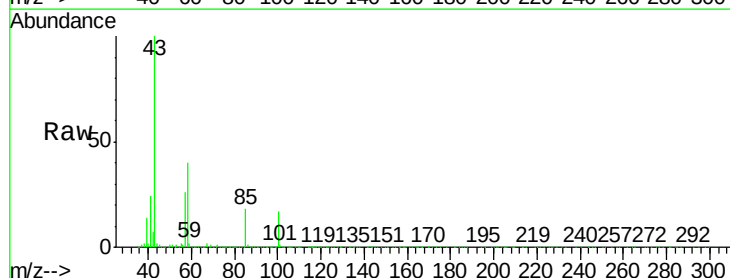
Manual Integrations
APPROVED

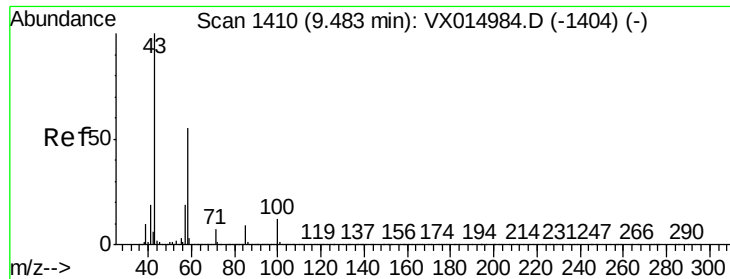
MMDadoda
2/24/2020 11:28:54 AM



#58
4-Methyl-2-Pentanone
Concen: 238.284 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1660648		
58	39.8		31.7	47.5
85	18.2		14.4	21.6





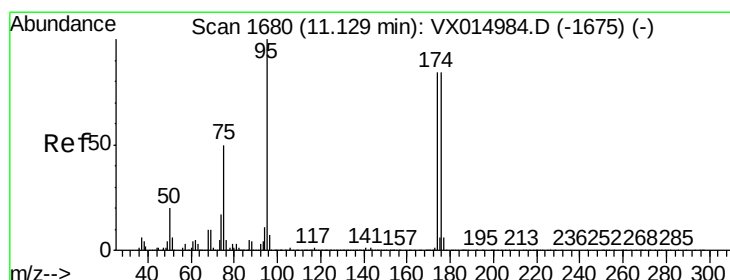
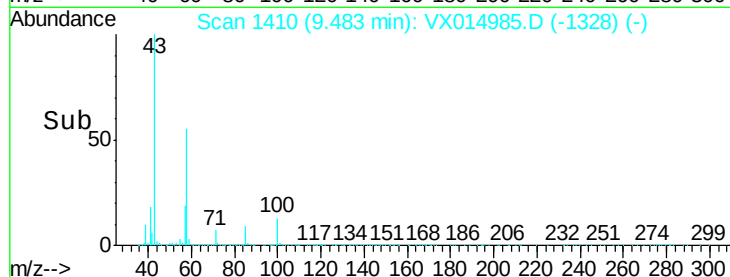
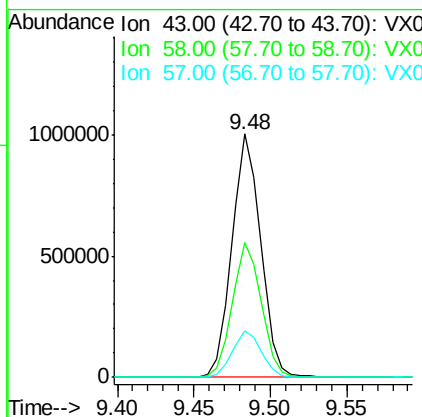
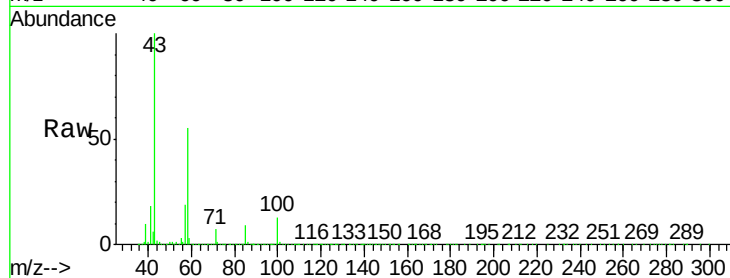
#59
2-Hexanone
Concen: 242.003 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	44.1	66.1
57	19.5	15.3	22.9

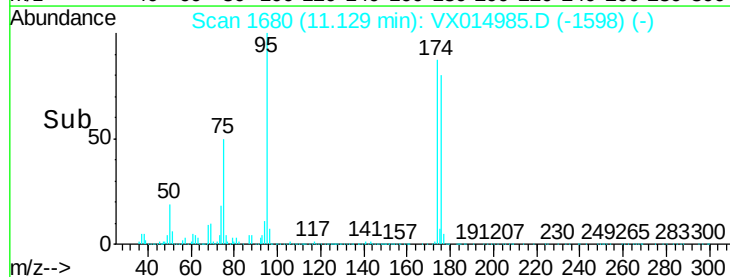
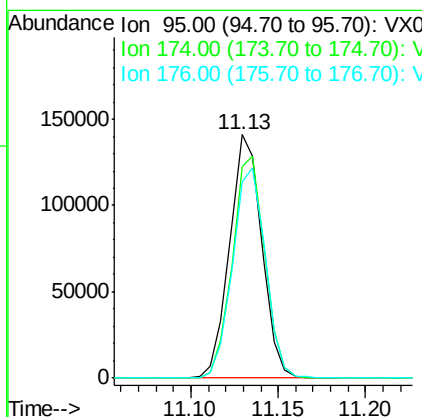
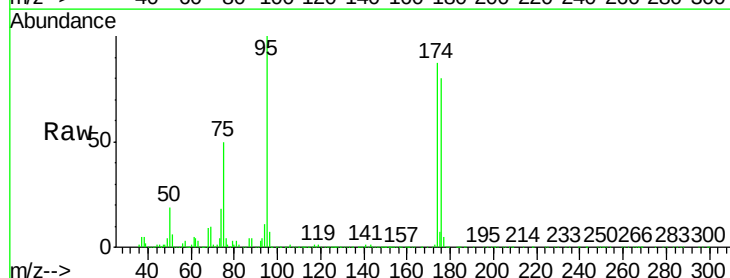
Manual Integrations
APPROVED

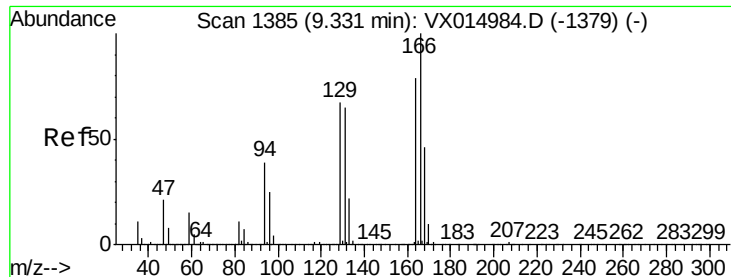
MMDadoda
2/24/2020 11:28:54 AM



#60
4-Bromofluorobenzene
Concen: 29.574 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	72.3	108.5
176	88.0	72.0	108.0





#61

Tetrachloroethene

Concen: 47.835 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

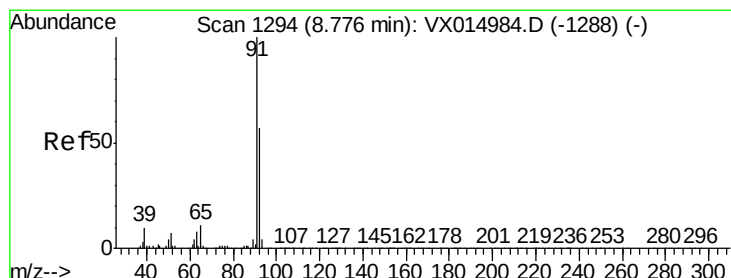
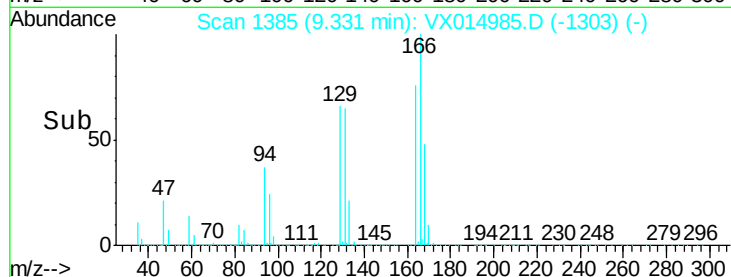
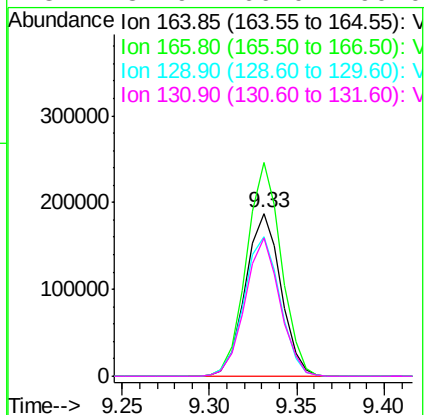
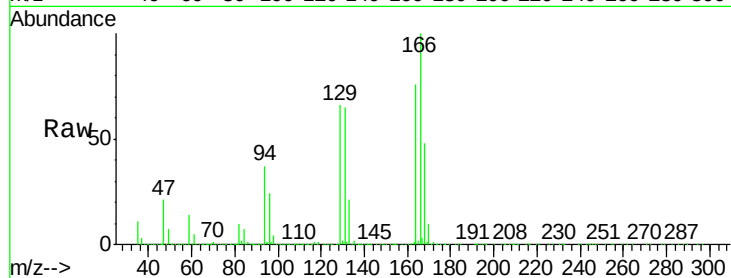
ClientSampleId :

VSTDIC050

Tot Ion:	164	Resp:	264873
Ion Ratio	Lower	Upper	
164	100		
166	131.3	101.2	151.8
129	86.1	67.6	101.4
131	84.9	66.0	99.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#62

Toluene

Concen: 49.834 ug/l

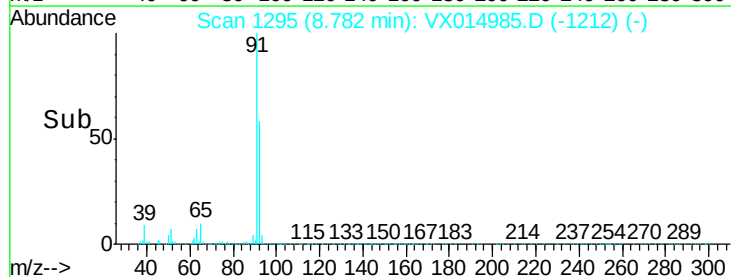
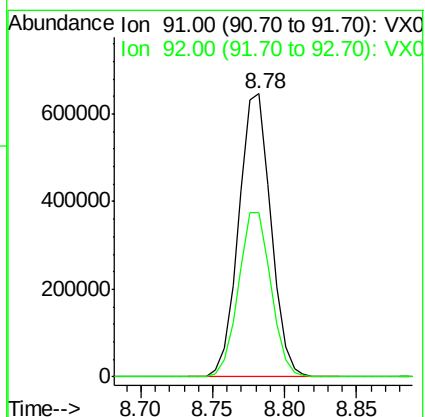
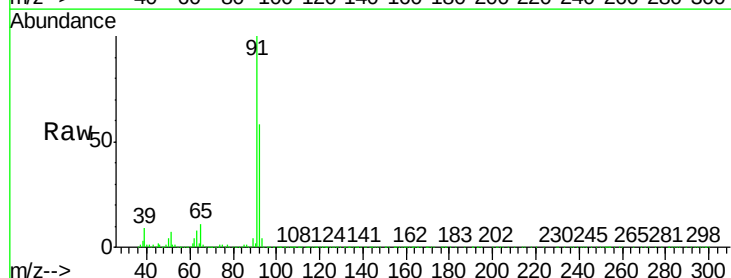
RT: 8.78 min Scan# 1295

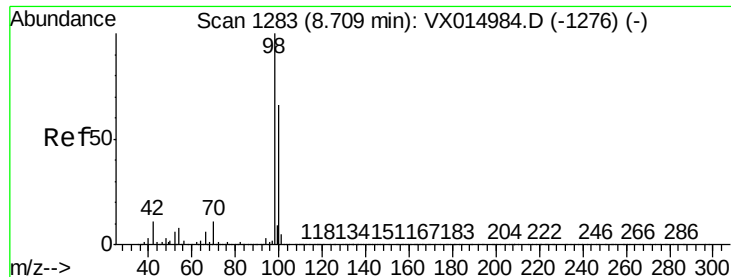
Delta R.T. 0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	91	Resp:	999794
Ion Ratio	Lower	Upper	
91	100		
92	58.7	46.6	69.8





#63

Toluene-d8

Concen: 28.919 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 98 Resp: 497333

Ion Ratio Lower Upper

98 100

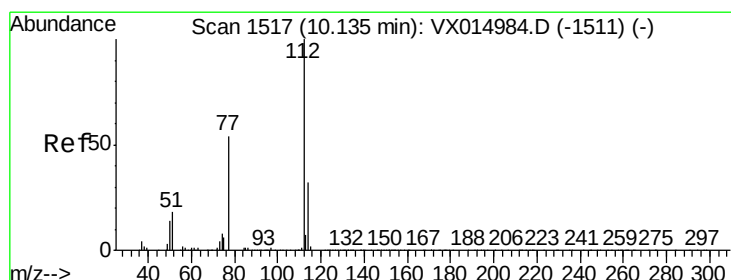
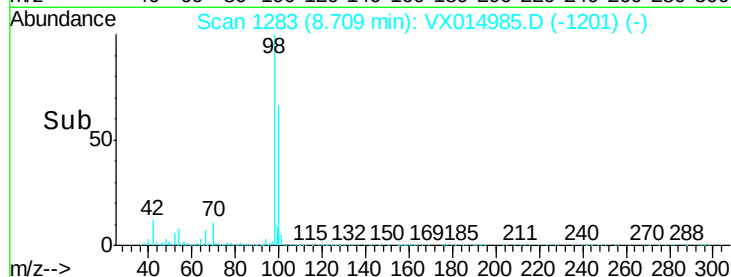
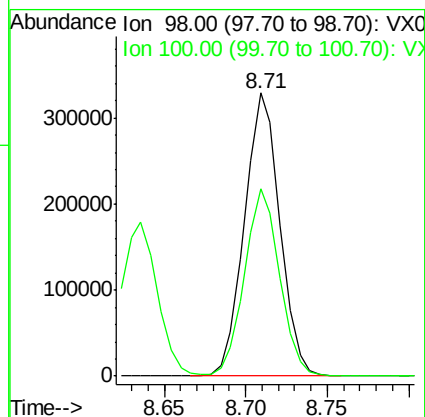
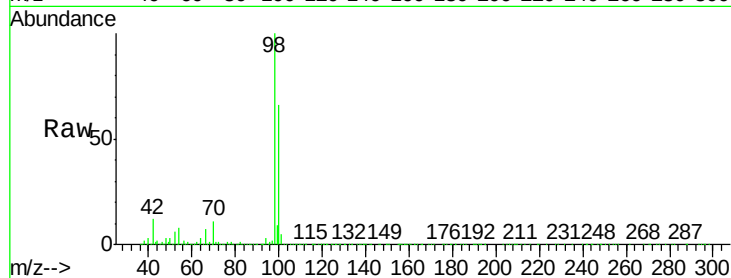
100 65.1 52.8 79.2

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#64

Chlorobenzene

Concen: 51.179 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014985.D

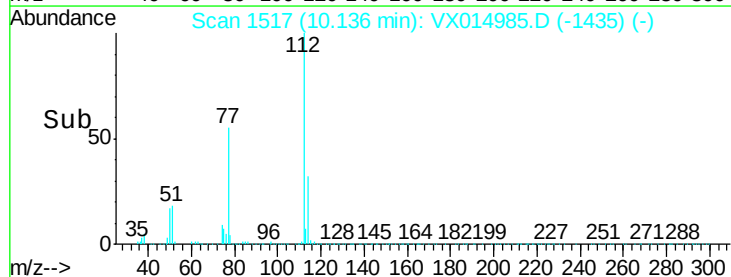
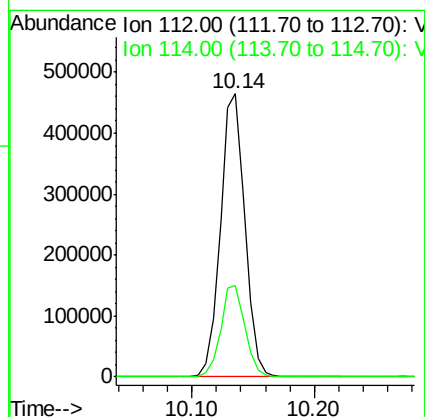
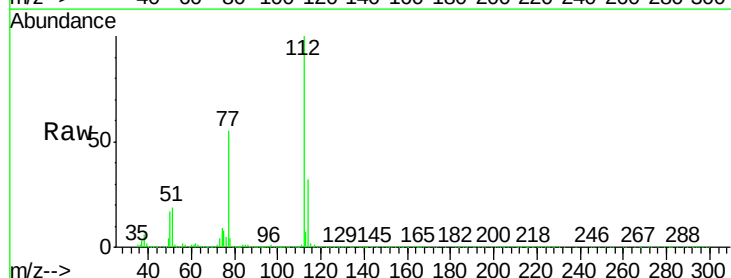
Acq: 21 Feb 2020 09:59

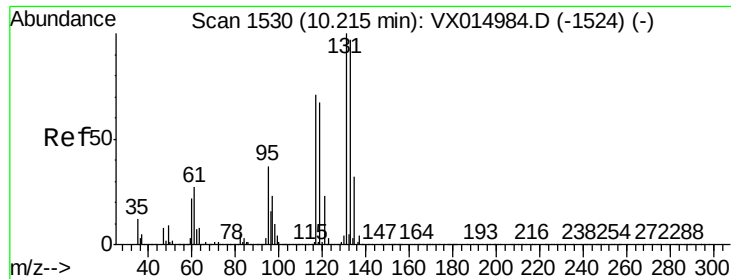
Tgt Ion: 112 Resp: 642918

Ion Ratio Lower Upper

112 100

114 32.4 25.8 38.6





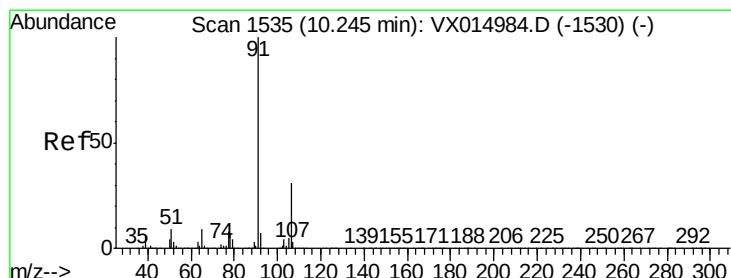
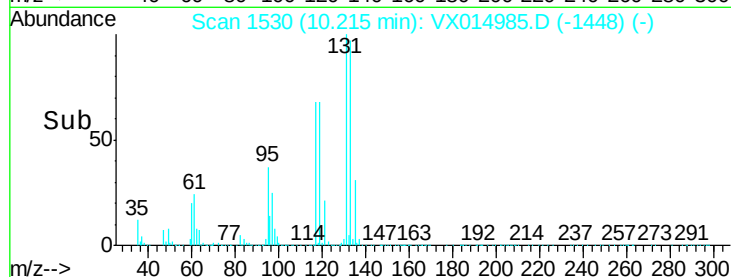
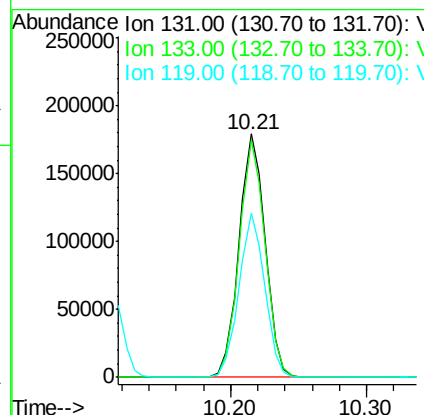
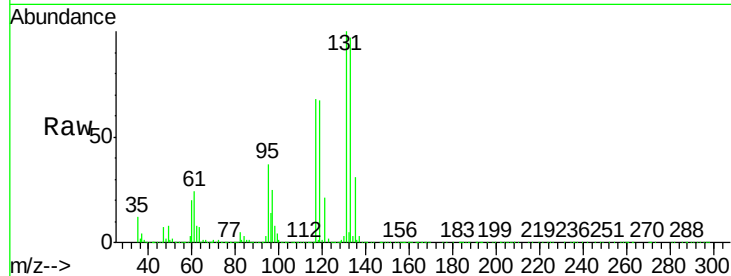
#65
 1,1,1,2-Tetrachloroethane
 Concen: 51.525 ug/l
 RT: 10.21 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	239273		
133	96.2	0.0	191.4	
119	66.3	0.0	132.0	

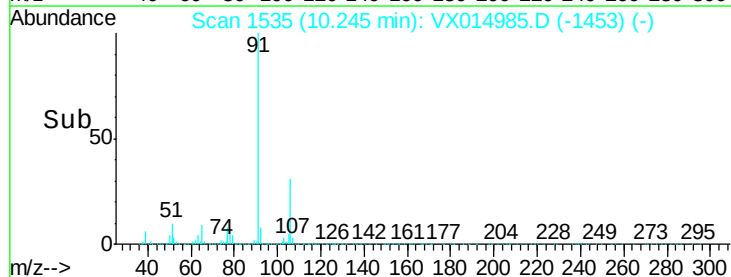
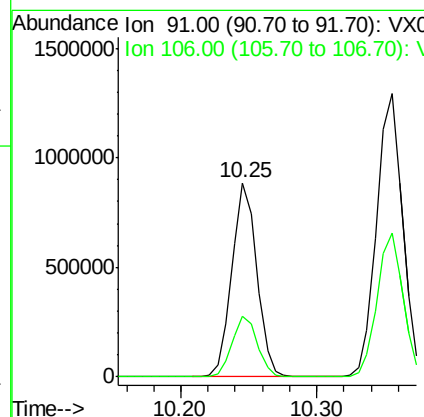
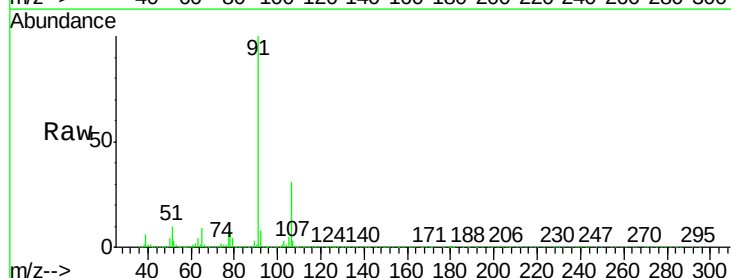
Manual Integrations
 APPROVED

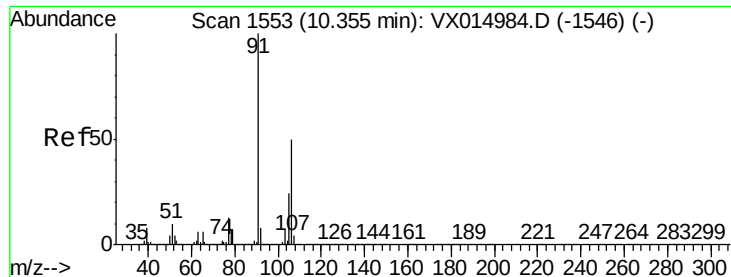
MMDadoda
 2/24/2020 11:28:54 AM



#66
 Ethyl Benzene
 Concen: 51.498 ug/l
 RT: 10.25 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1129245		
106	31.4	24.7	37.1	





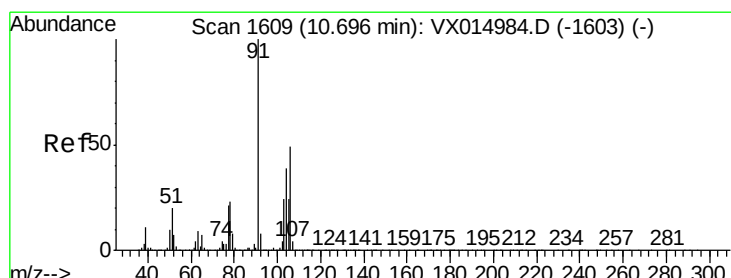
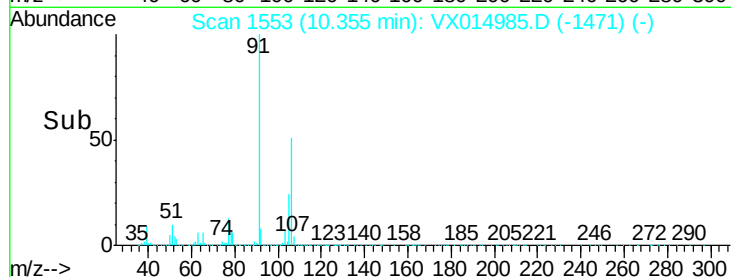
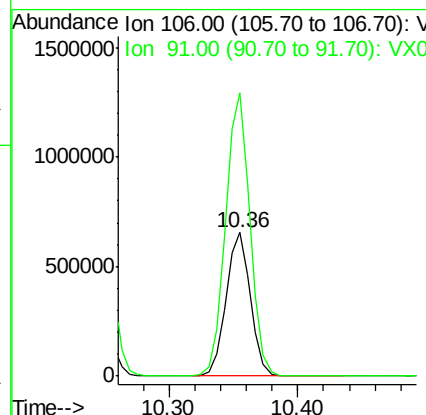
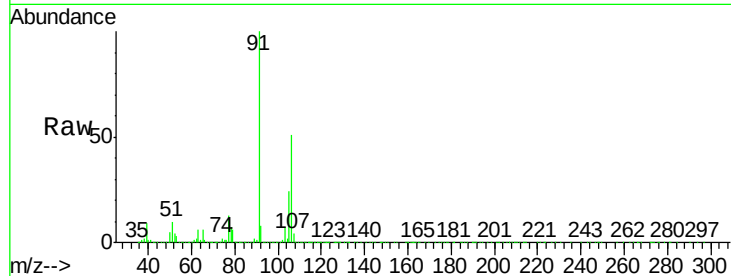
#67
m/p-Xylenes
Concen: 103.606 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.1	160.4	240.6

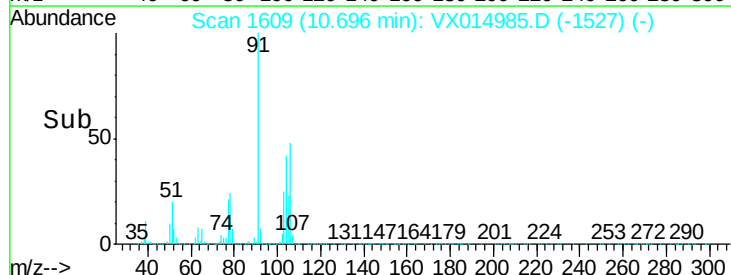
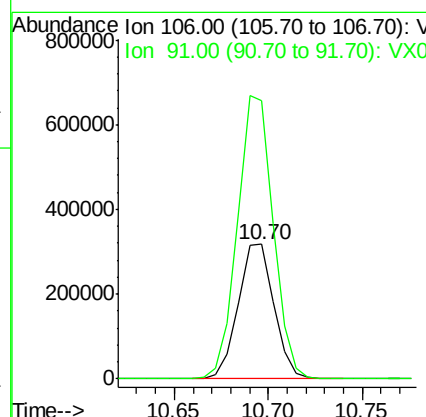
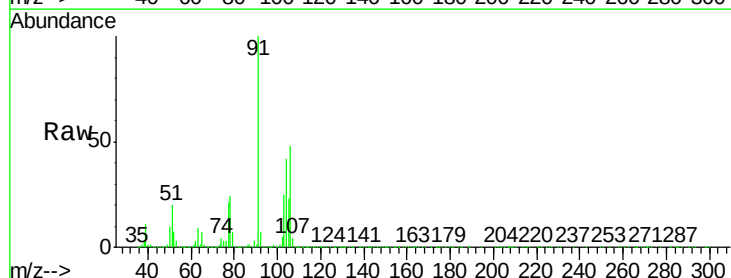
Manual Integrations
APPROVED

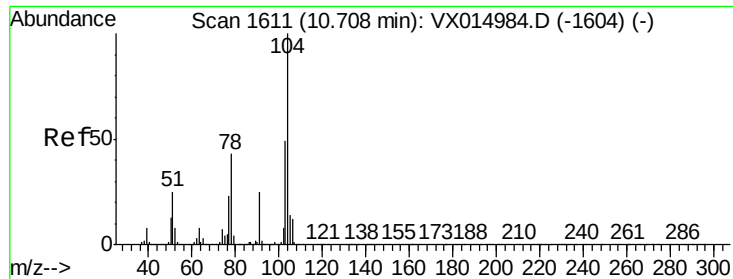
MMDadoda
2/24/2020 11:28:54 AM



#68
o-Xylene
Concen: 51.224 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.6	105.3	315.9





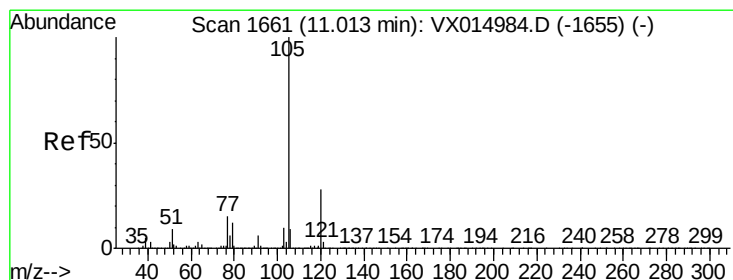
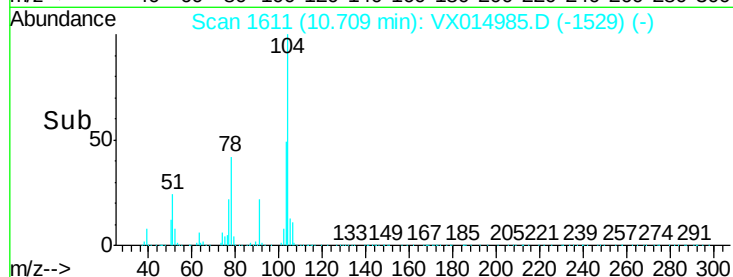
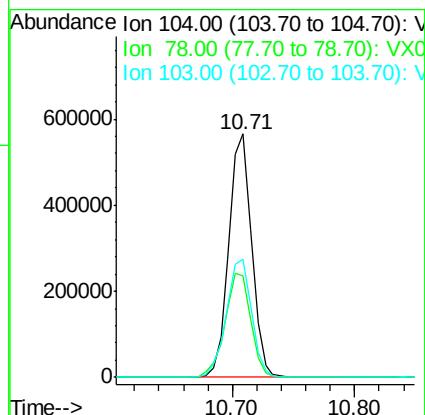
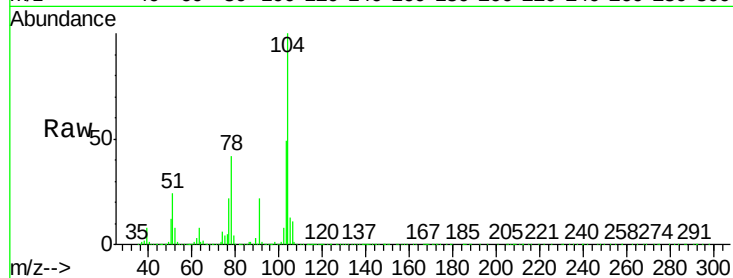
#69
Stvrene
Concen: 52.435 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.4	59.2
103	53.8	42.9	64.3

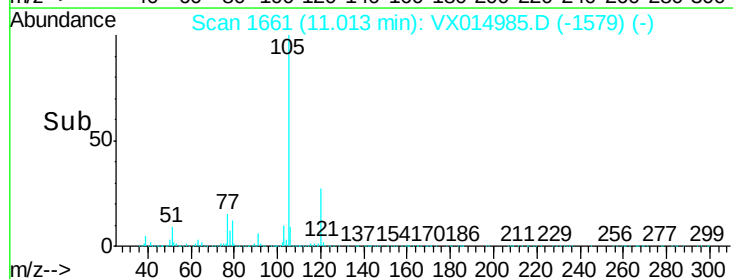
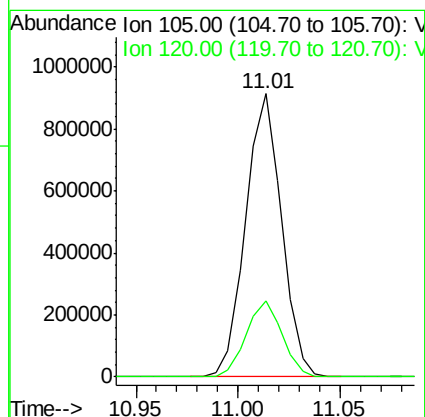
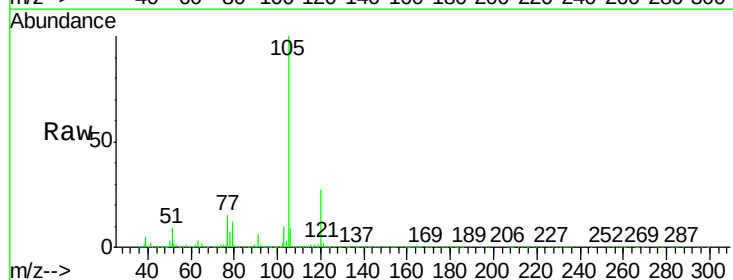
Manual Integrations
APPROVED

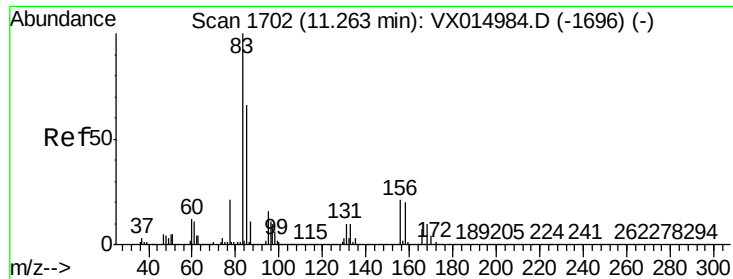
MMDadoda
2/24/2020 11:28:54 AM



#70
Isopropylbenzene
Concen: 51.929 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.8	35.0





#71

1,1,2,2-Tetrachloroethane

Concen: 49.622 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

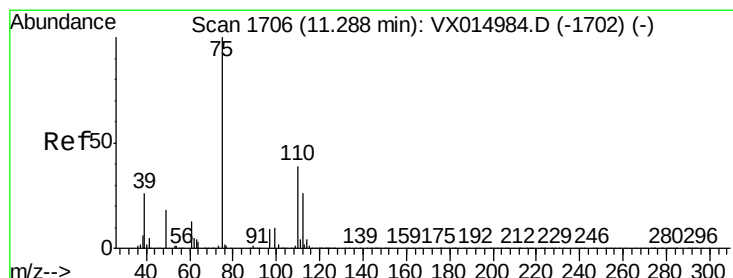
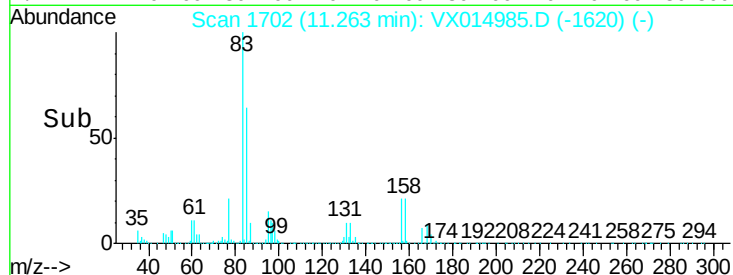
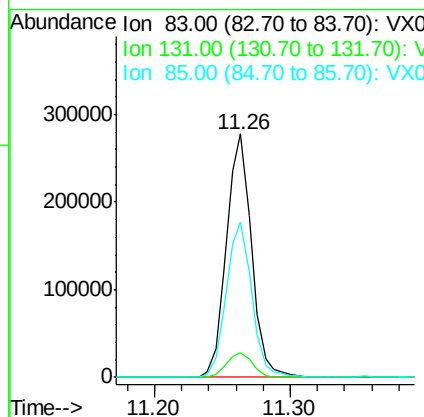
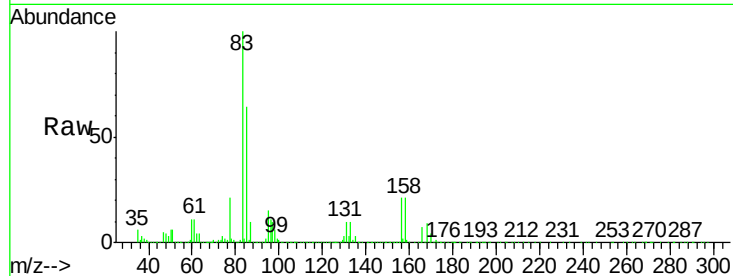
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	355430
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	65.0	32.2	96.6

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#72

1,2,3-Trichloropropane

Concen: 48.050 ug/l m

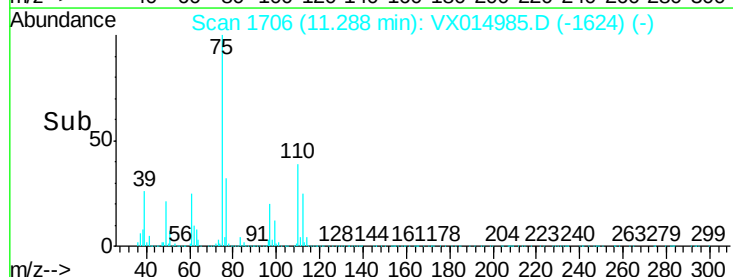
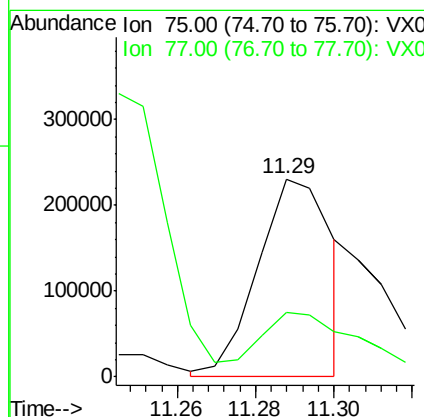
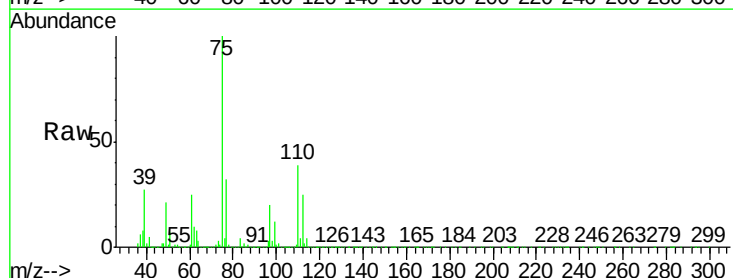
RT: 11.29 min Scan# 1706

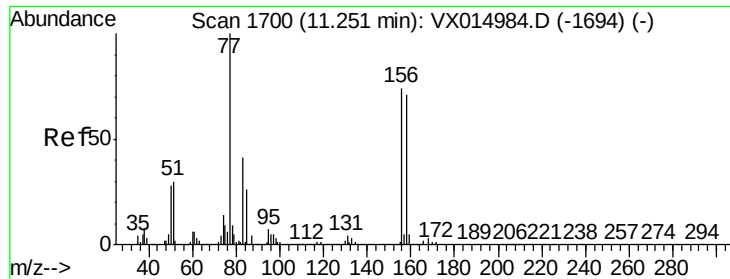
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	75	Resp:	301182
Ion Ratio	Lower	Upper	
75	100		
77	45.1	0.0	75.4





#73

Bromobenzene

Concen: 52.325 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

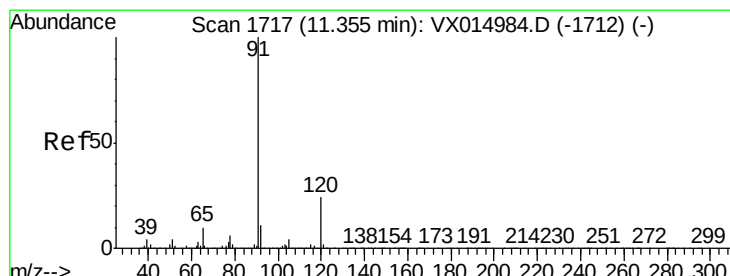
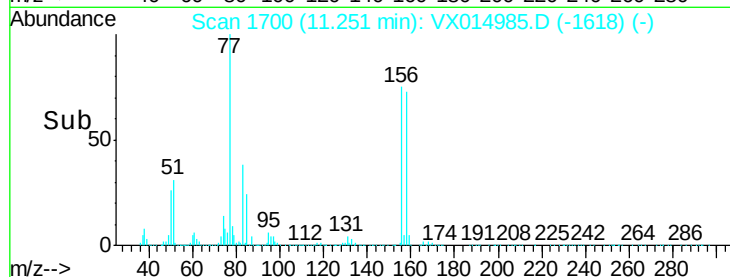
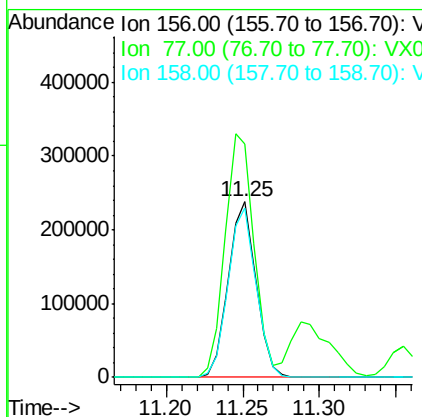
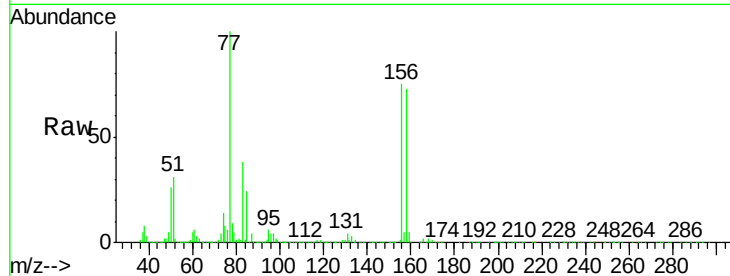
ClientSampleId :

VSTDIC050

Tot Ion:	156	Resp:	299267
Ion Ratio	Lower	Upper	
156	100		
77	144.3	0.0	286.8
158	97.1	0.0	191.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#74

n-propylbenzene

Concen: 52.328 ug/l

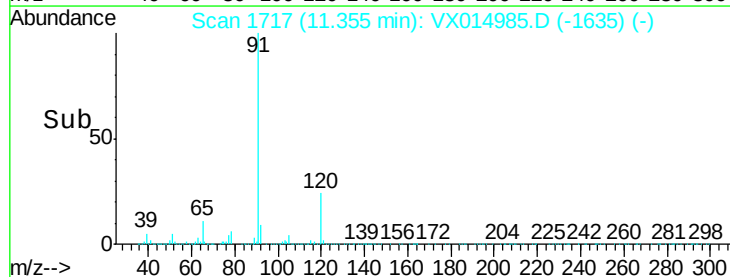
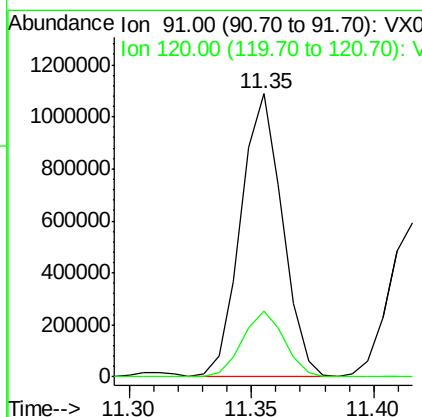
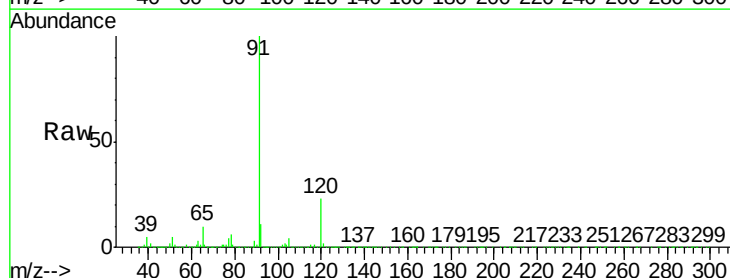
RT: 11.35 min Scan# 1717

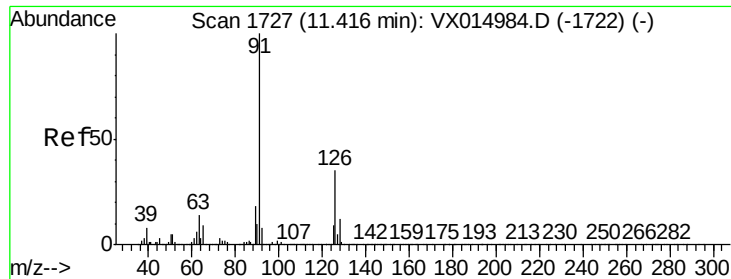
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	91	Resp:	1287243
Ion Ratio	Lower	Upper	
91	100		
120	23.3	0.0	47.0





#75

2-Chlorotoluene

Concen: 50.450 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 742544

Ion Ratio Lower Upper

91 100

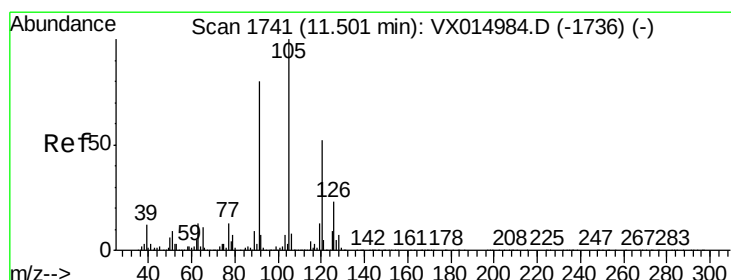
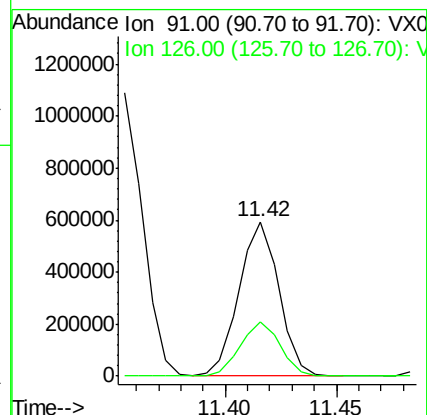
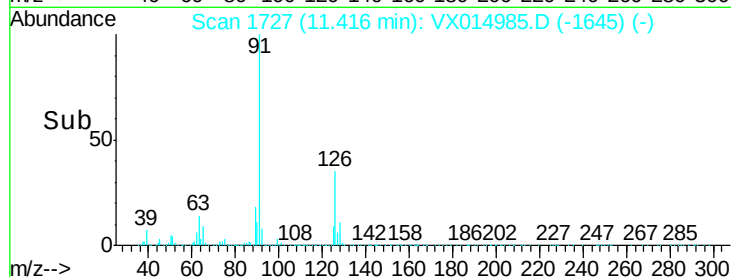
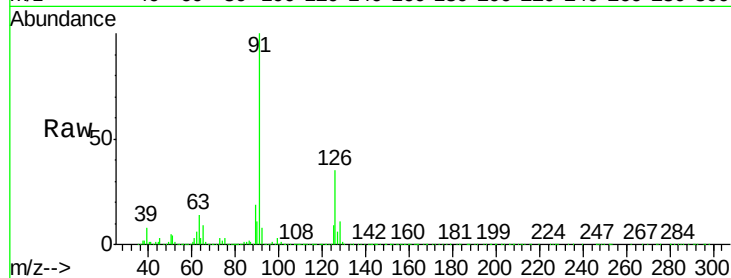
126 35.1 0.0 69.0

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:28:54 AM



#76

1,3,5-Trimethylbenzene

Concen: 52.350 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014985.D

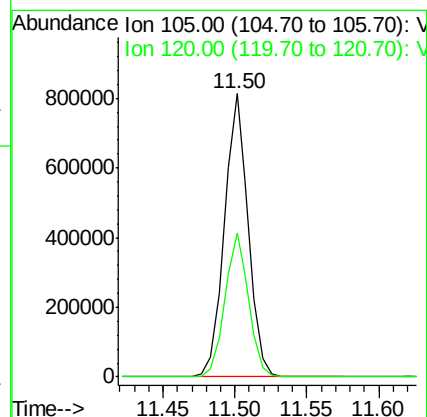
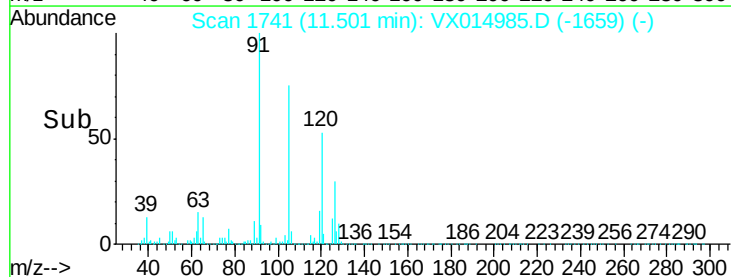
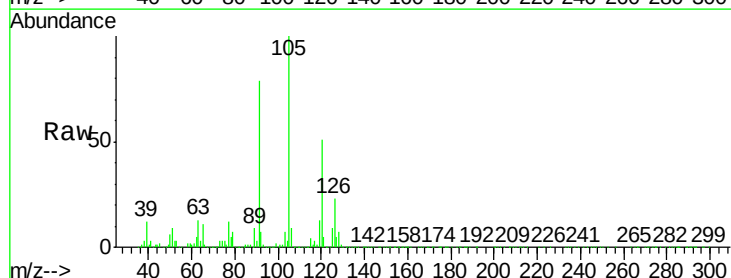
Acq: 21 Feb 2020 09:59

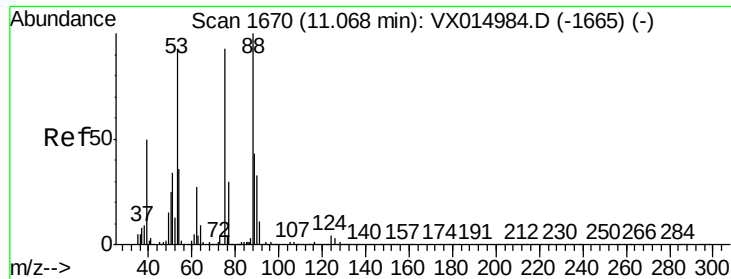
Tgt Ion: 105 Resp: 938852

Ion Ratio Lower Upper

105 100

120 50.5 0.0 101.0





#77

t-1,4-Dichloro-2-butene

Concen: 52.496 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

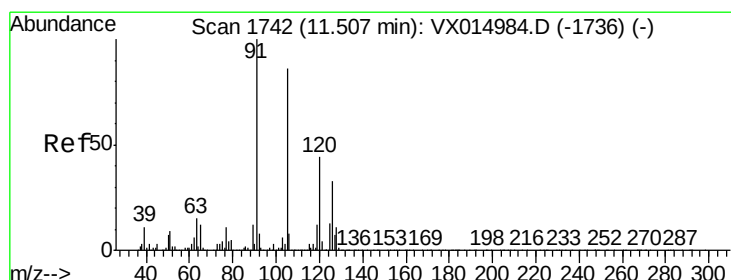
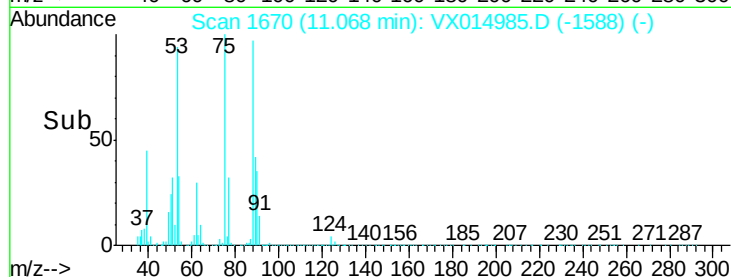
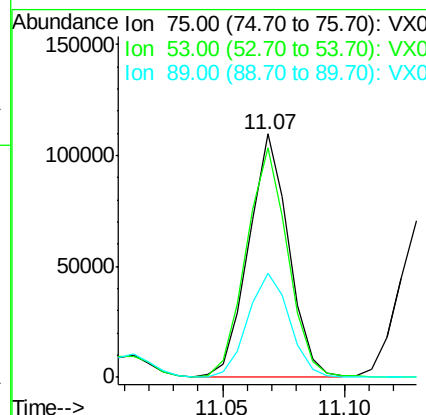
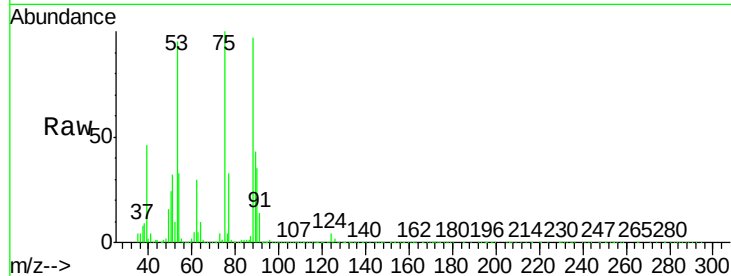
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	124382
Ion Ratio	Lower	Upper	
75	100		
53	94.3	50.0	149.8
89	42.4	23.5	70.5

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#78

4-Chlorotoluene

Concen: 51.592 ug/l

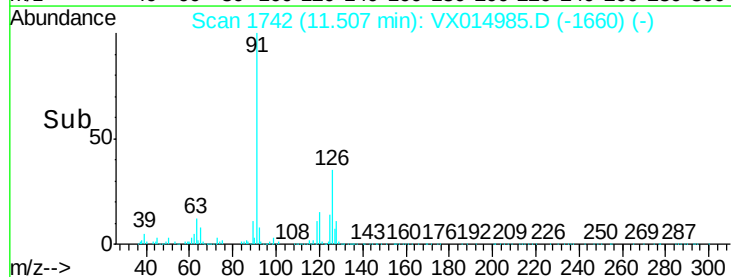
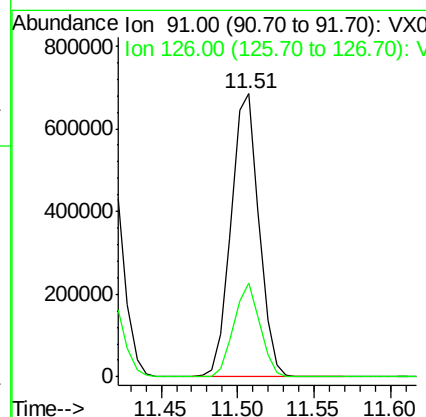
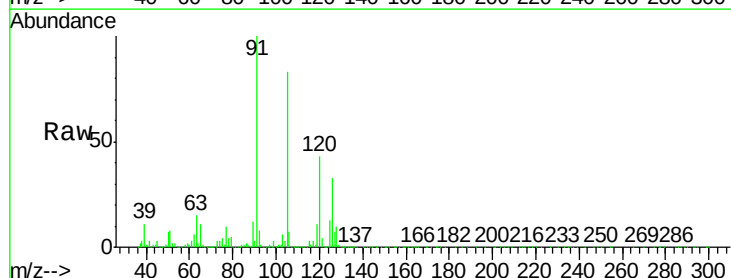
RT: 11.51 min Scan# 1742

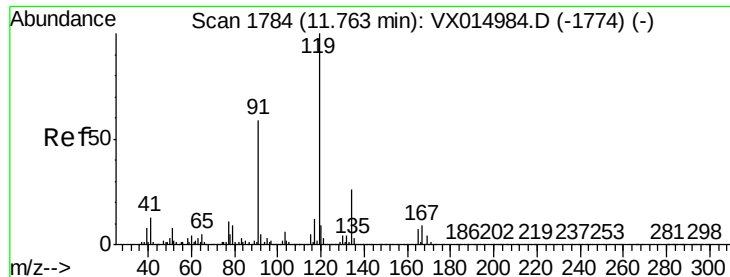
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:	91	Resp:	863157
Ion Ratio	Lower	Upper	
91	100		
126	31.2	0.0	62.0





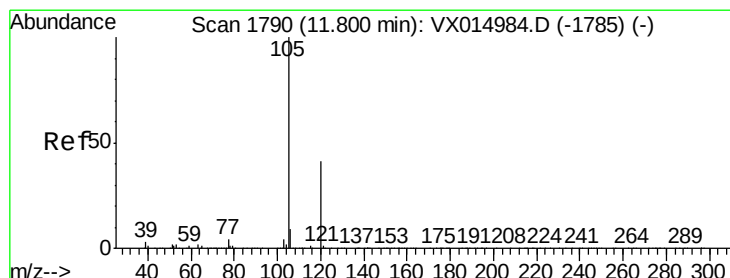
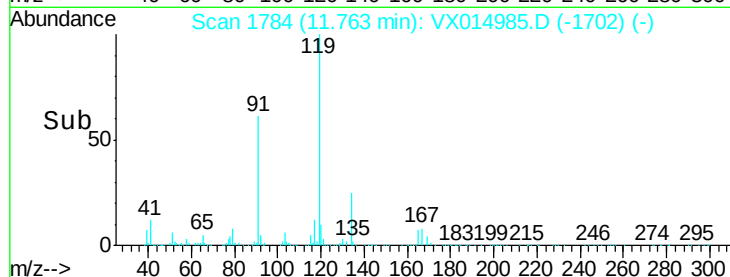
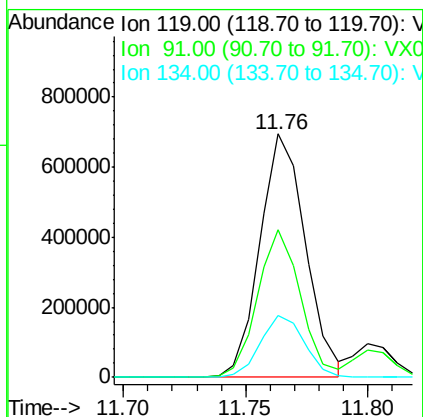
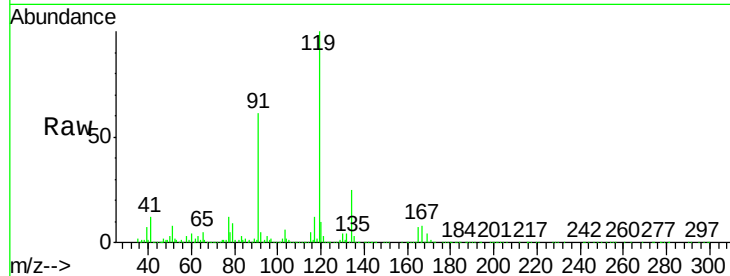
#79
tert-butylbenzene
Concen: 53.215 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	897952		
91	57.2	0.0	114.4	
134	24.8	0.0	48.8	

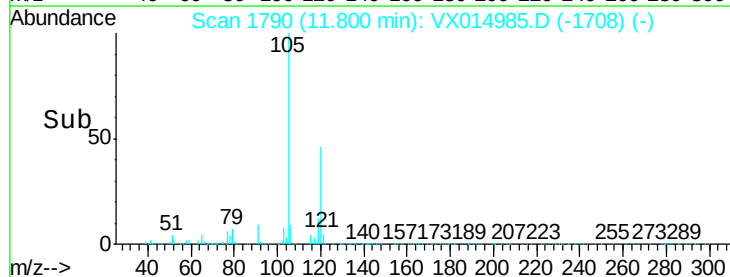
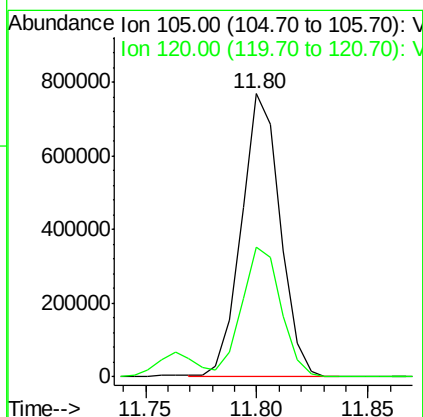
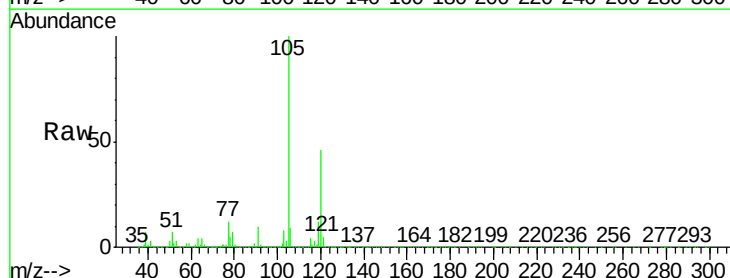
Manual Integrations
APPROVED

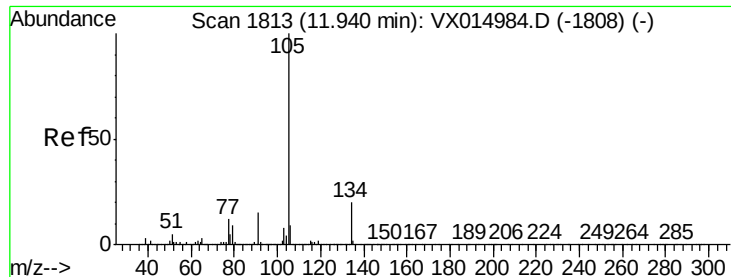
MMDadoda
2/24/2020 11:28:54 AM



#80
1,2,4-Trimethylbenzene
Concen: 52.231 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014985.D
Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	931917		
120	46.4	0.0	93.4	





#81

sec-Butylbenzene

Concen: 52.230 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 1087357

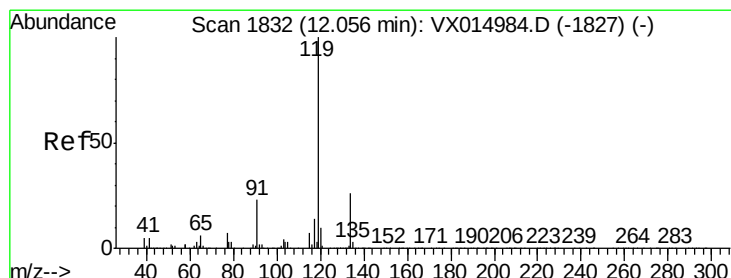
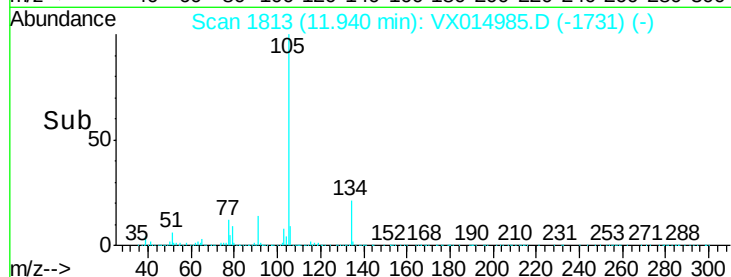
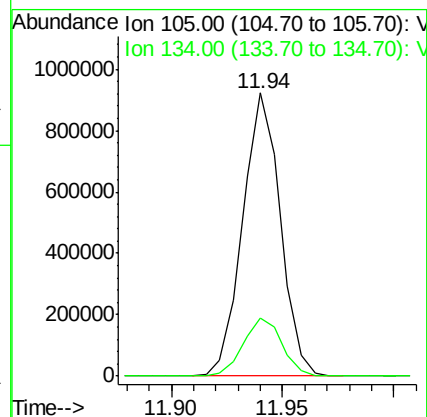
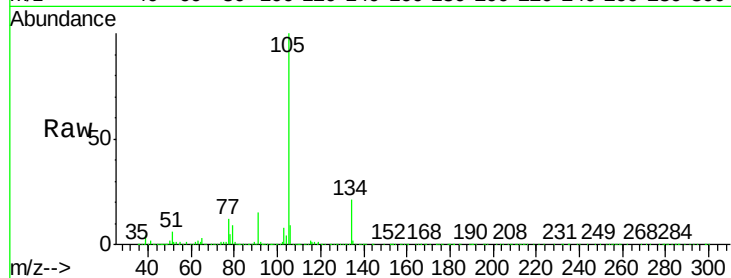
Ion Ratio Lower Upper

105 100

134 21.0 0.0 40.8

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#82

p-Isopropyltoluene

Concen: 53.217 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

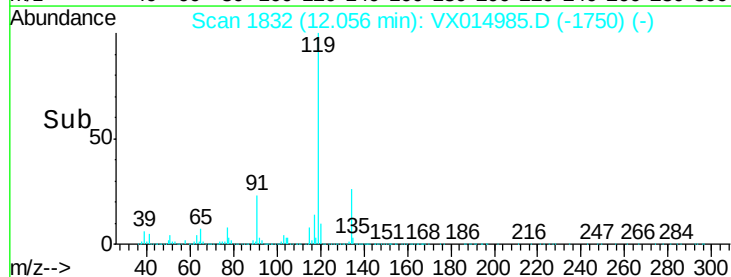
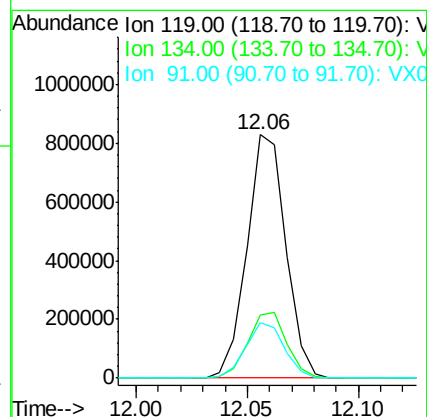
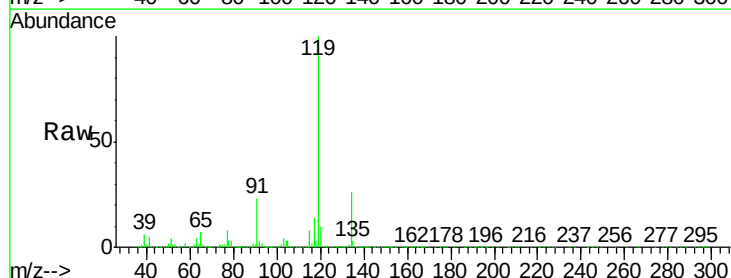
Tgt Ion:119 Resp: 1012620

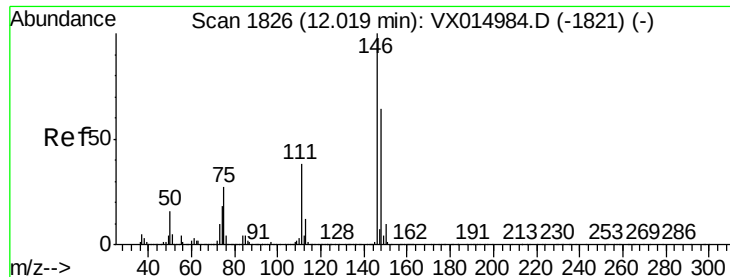
Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

91 22.6 0.0 44.6





#83

1,3-Dichlorobenzene

Concen: 52.888 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014985.D

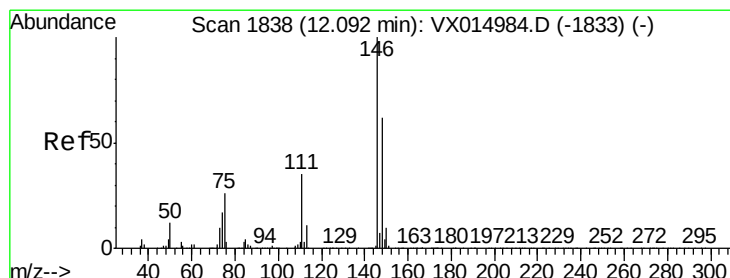
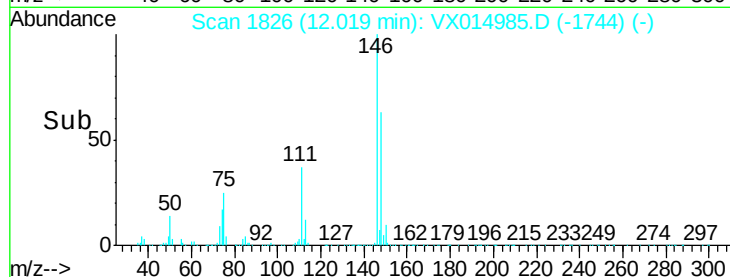
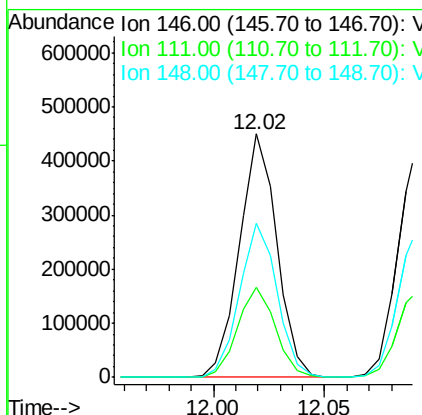
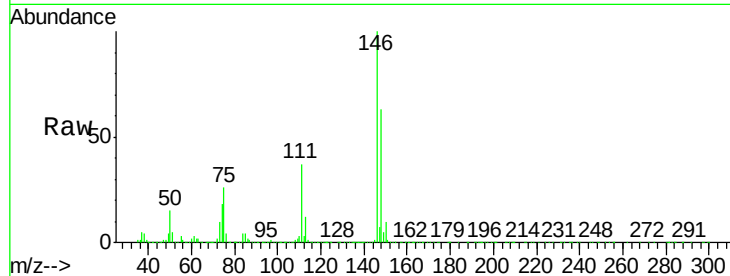
Acq: 21 Feb 2020 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.3	57.9
148	63.7	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#84

1,4-Dichlorobenzene

Concen: 52.595 ug/l

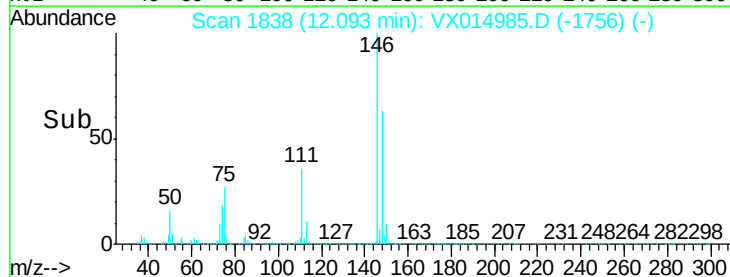
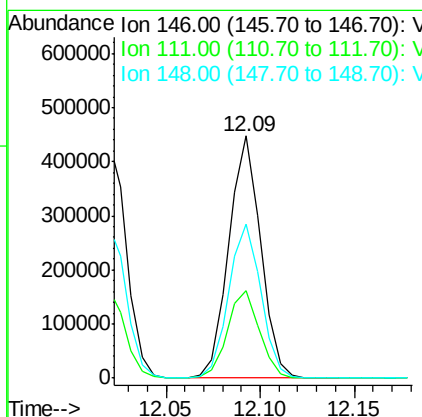
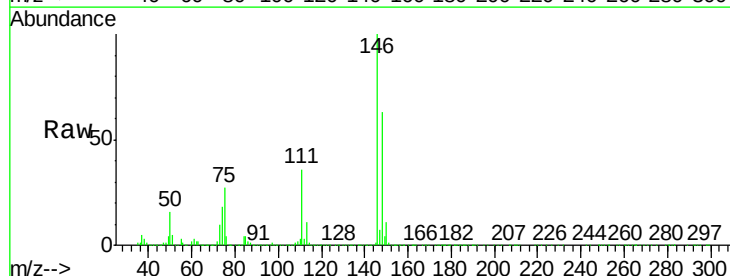
RT: 12.09 min Scan# 1838

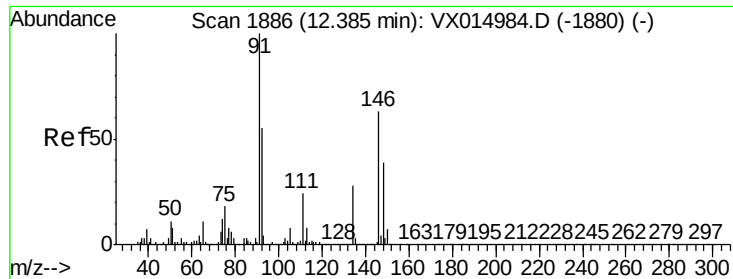
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	17.8	53.5
148	64.0	31.4	94.2





#85

n-Butylbenzene

Concen: 53.700 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

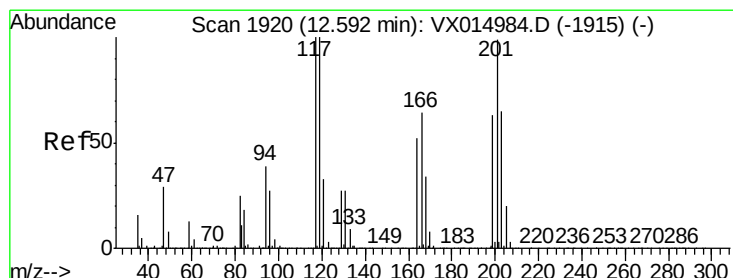
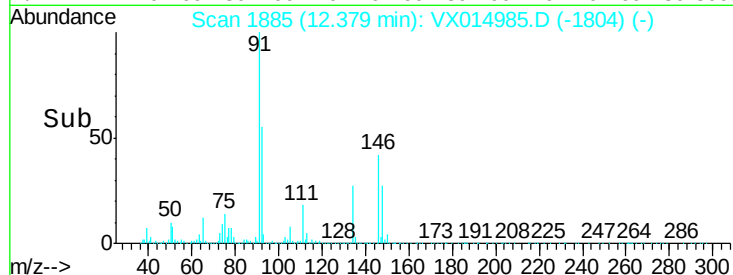
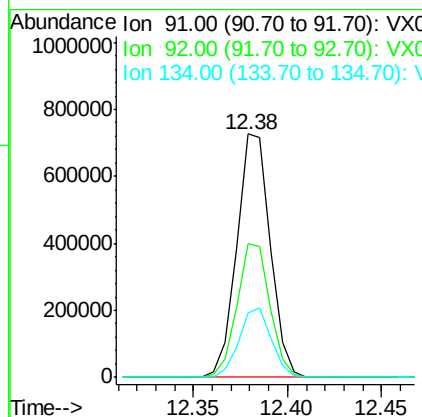
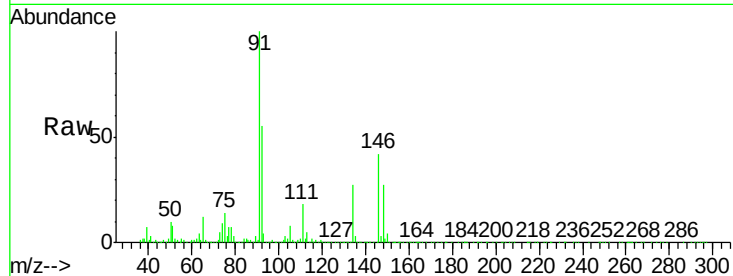
ClientSampleId :

VSTDIC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		894361		
92	54.0	0.0	109.8		
134	27.6	0.0	54.8		

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#86

Hexachloroethane

Concen: 53.013 ug/l

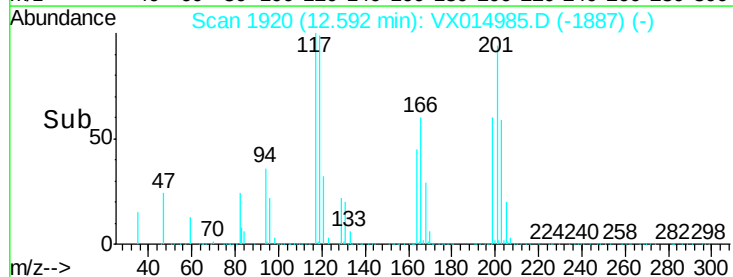
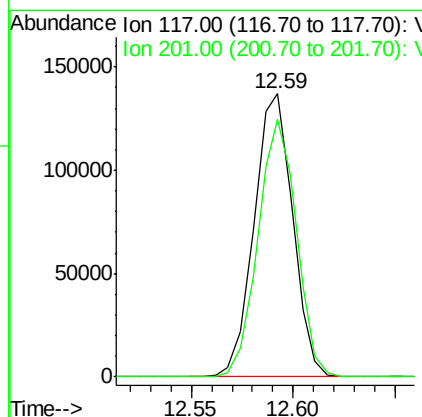
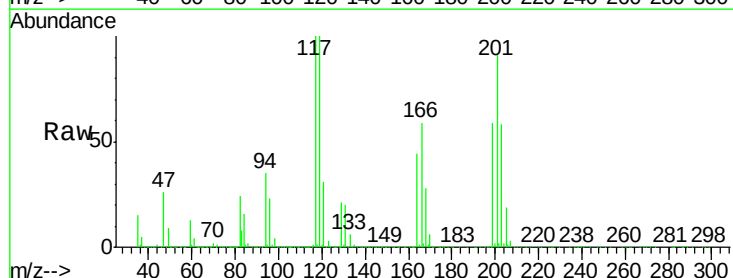
RT: 12.59 min Scan# 1920

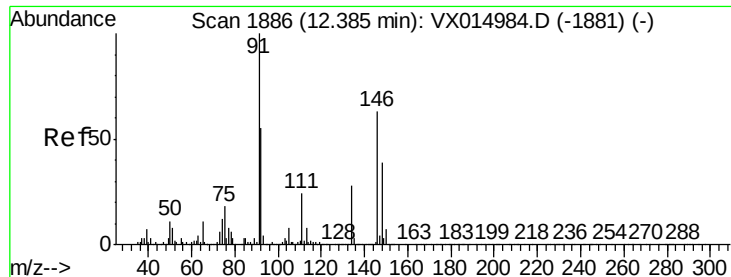
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		180200		
201	90.5	45.6	136.7		





#87

1,2-Dichlorobenzene

Concen: 52.726 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

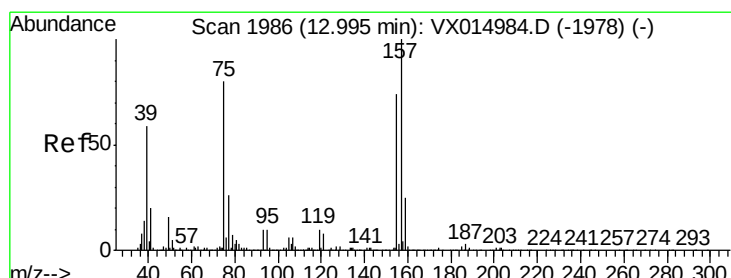
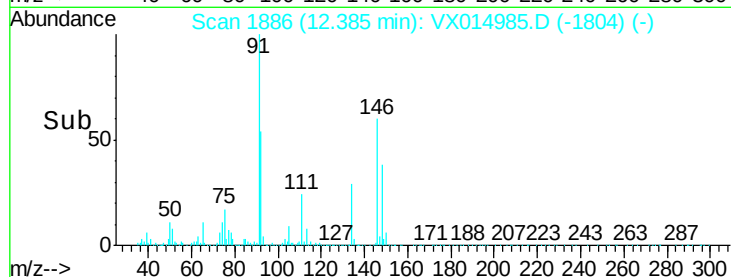
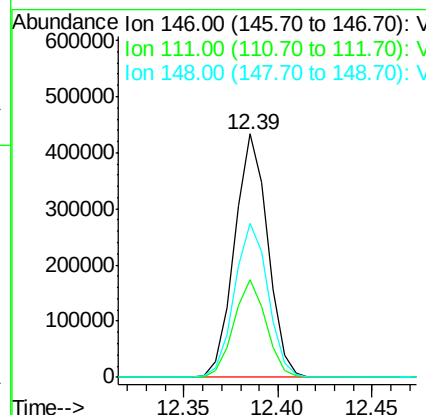
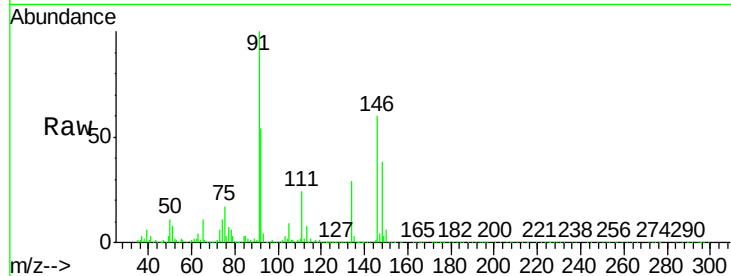
Instrument :
MSVOA_X

ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	63.7	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 51.128 ug/l

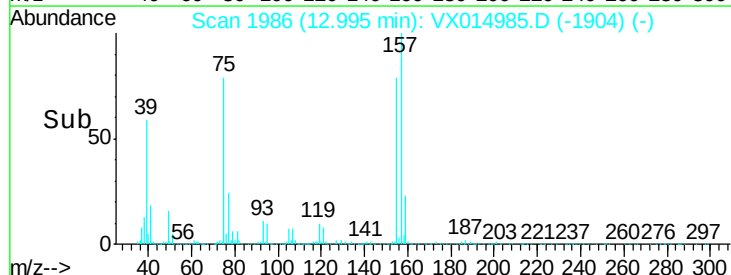
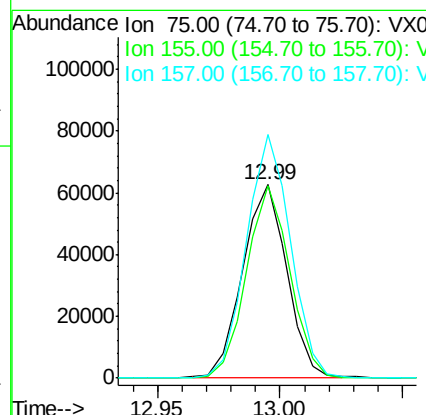
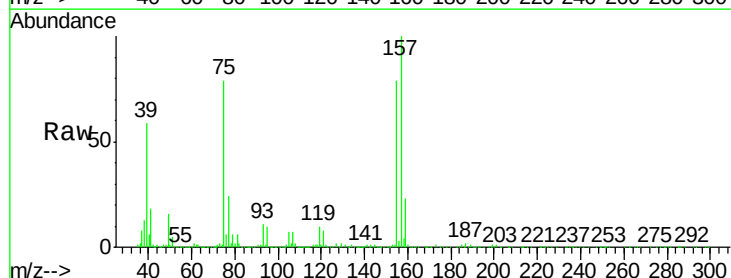
RT: 12.99 min Scan# 1986

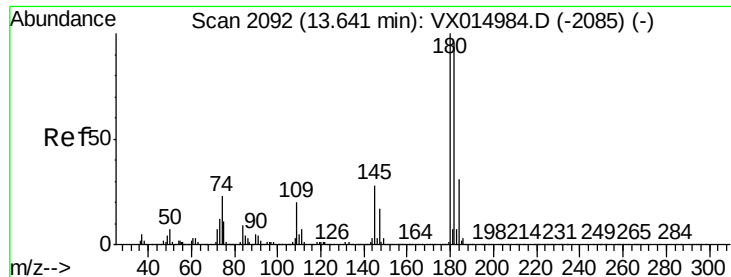
Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	74.5	111.7
157	126.1	96.2	144.4





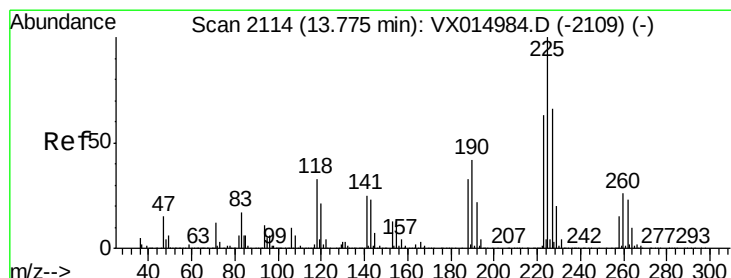
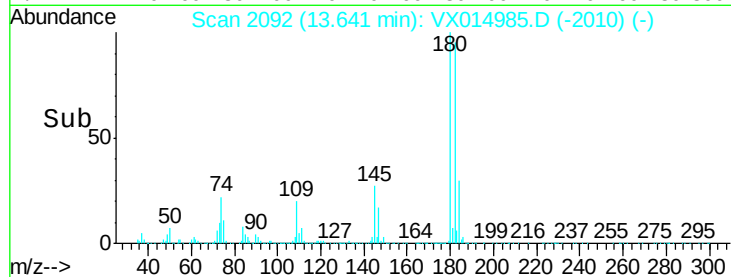
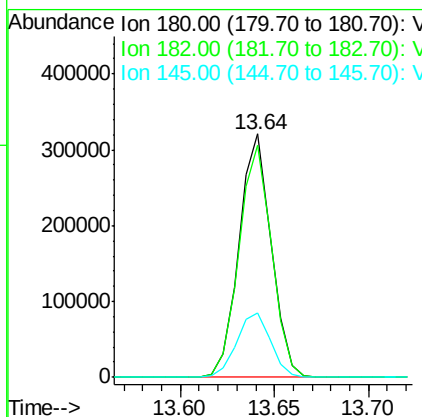
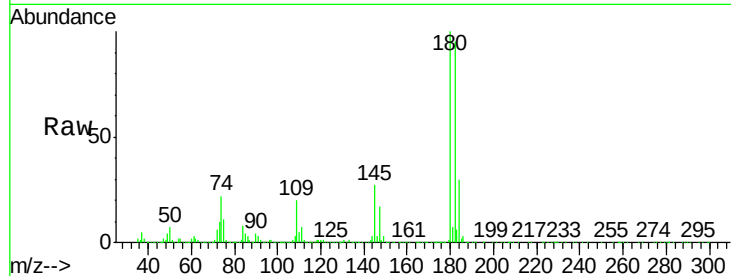
#89
 1,2,4-Trichlorobenzene
 Concen: 56.426 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	380153		
182	96.8	76.4	114.6	
145	27.9	21.8	32.6	

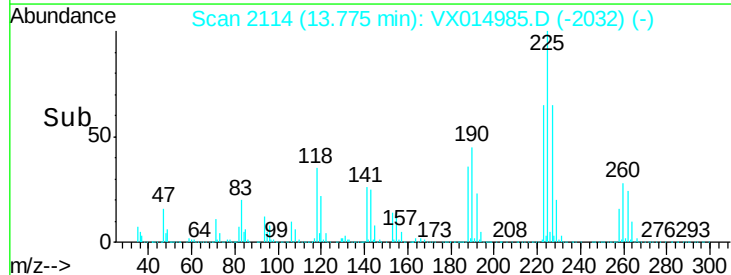
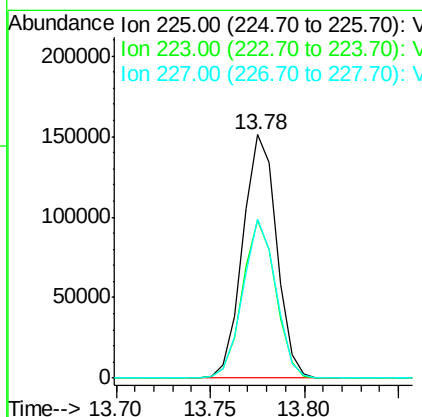
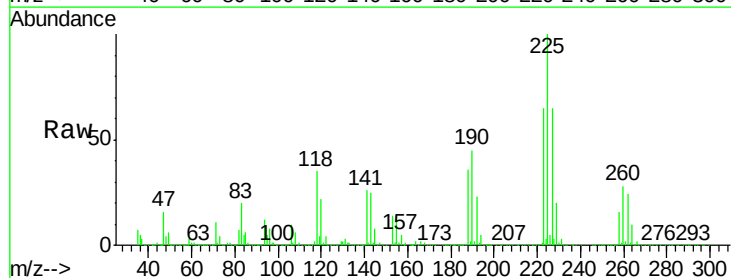
Manual Integrations
 APPROVED

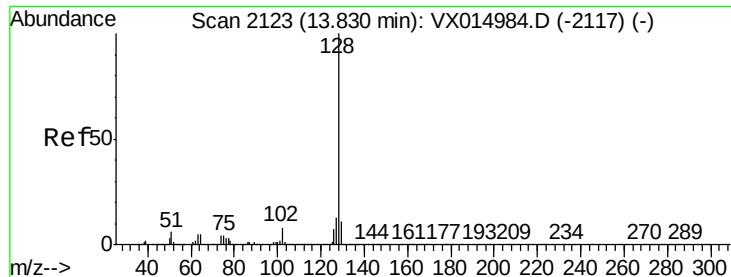
MMDadoda
 2/24/2020 11:28:54 AM



#90
 Hexachlorobutadiene
 Concen: 55.960 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014985.D
 Acq: 21 Feb 2020 09:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187953		
223	63.4	0.0	132.0	
227	63.5	0.0	131.0	





#91

Naphthalene

Concen: 55.148 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC050

Tot Ion:128 Resp: 1109592

Ion Ratio Lower Upper

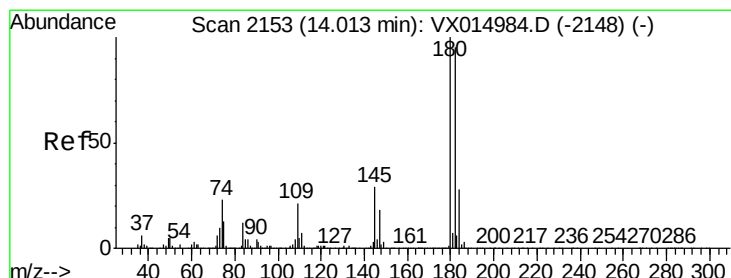
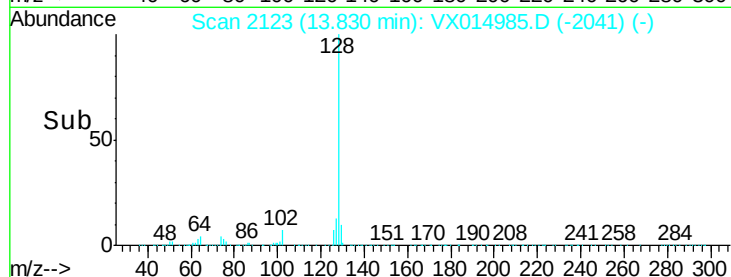
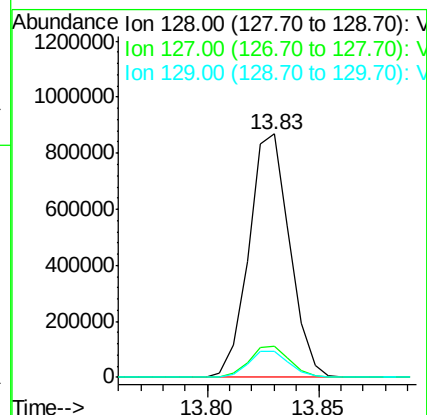
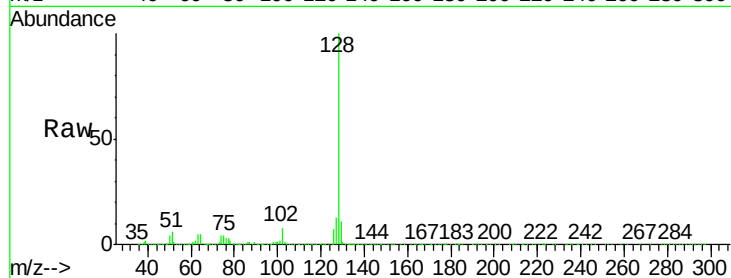
128 100

127 12.7 10.2 15.4

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:28:54 AM



#92

1,2,3-Trichlorobenzene

Concen: 54.961 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX014985.D

Acq: 21 Feb 2020 09:59

Tgt Ion:180 Resp: 375523

Ion Ratio Lower Upper

180 100

182 96.1 0.0 192.4

145 29.6 0.0 60.4

