

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031120\
 Data File : VX015188.D
 Acq On : 11 Mar 2020 10:30
 Operator : JC/SP
 Sample : VX0311WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:50:50 PM

Quant Time: Mar 12 06:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	326426	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	490845	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	460603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	241266	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	200325	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	5.48	113	160249	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
50) Toluene-d8	8.71	98	613183	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	11.13	95	219429	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.19	85	55696	19.48	ug/l	99
3) Chloromethane	1.32	50	77522	19.15	ug/l	98
4) Vinyl Chloride	1.40	62	76845	18.72	ug/l	99
5) Bromomethane	1.64	94	47799	18.94	ug/l	100
6) Chloroethane	1.72	64	46730	18.97	ug/l	97
7) Trichlorofluoromethane	1.92	101	92909	19.02	ug/l	100
8) Diethyl Ether	2.18	74	44276	20.01	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64482	20.98	ug/l	98
10) Methyl Iodide	2.50	142	62462	17.99	ug/l	99
11) Tert butyl alcohol	3.05	59	69870	103.99	ug/l	99
12) 1,1-Dichloroethene	2.37	96	61043	19.24	ug/l	99
13) Acrolein	2.28	56	59989	95.01	ug/l	100
14) Allyl chloride	2.72	41	107063	19.36	ug/l	97
15) Acrylonitrile	3.13	53	174595	104.34	ug/l	100
16) Acetone	2.44	43	163720	104.39	ug/l	96
17) Carbon Disulfide	2.56	76	155169	17.61	ug/l	99
18) Methyl Acetate	2.76	43	81310	21.20	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	206361	20.82	ug/l	99
20) Methylene Chloride	2.85	84	70933	19.33	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	66038	19.50	ug/l	97
22) Diisopropyl ether	3.84	45	231796	21.03	ug/l	92
23) Vinyl Acetate	3.80	43	955310	105.46	ug/l	100
24) 1,1-Dichloroethane	3.69	63	122272	19.99	ug/l	99
25) 2-Butanone	4.66	43	239080	104.13	ug/l	99
26) 2,2-Dichloropropane	4.56	77	92447	19.04	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	76084	20.02	ug/l	99
28) Bromochloromethane	5.00	49	61919	22.23	ug/l	92
29) Tetrahydrofuran	5.12	42	151068	102.07	ug/l	99
30) Chloroform	5.20	83	122556	20.56	ug/l	100
31) Cyclohexane	5.57	56	105411	19.32	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	97158	19.66	ug/l	98
36) 1,1-Dichloropropene	5.79	75	87672	19.32	ug/l	100
37) Ethyl Acetate	4.82	43	95508	22.69	ug/l	97
38) Carbon Tetrachloride	5.78	117	86892	20.29	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031120\
 Data File : VX015188.D
 Acq On : 11 Mar 2020 10:30
 Operator : JC/SP
 Sample : VX0311WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:50:50 PM

Quant Time: Mar 12 06:31:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	105922	19.99	ug/l	99
40) Benzene	6.13	78	273996	20.35	ug/l	100
41) Methacrylonitrile	5.03	41	53861	21.30	ug/l	97
42) 1,2-Dichloroethane	6.18	62	100847	21.81	ug/l	99
43) Isopropyl Acetate	6.43	43	154214	20.83	ug/l	99
44) Trichloroethene	7.20	130	74276	19.81	ug/l	97
45) 1,2-Dichloropropane	7.51	63	73071	20.97	ug/l	98
46) Dibromomethane	7.65	93	47716	21.02	ug/l	98
47) Bromodichloromethane	7.89	83	92994	20.71	ug/l	98
48) Methyl methacrylate	7.76	41	75130	19.94	ug/l	100
49) 1,4-Dioxane	7.75	88	33511	411.26	ug/l	93
51) 4-Methyl-2-Pentanone	8.63	43	479603	109.55	ug/l	100
52) Toluene	8.78	92	173017	21.02	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	101707	21.28	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	113973	21.09	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	71930	21.23	ug/l	95
56) Ethyl methacrylate	9.17	69	100852	20.87	ug/l	98
57) 1,3-Dichloropropane	9.36	76	123085	21.59	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	282409	107.27	ug/l	100
59) 2-Hexanone	9.48	43	356322	109.81	ug/l	100
60) Dibromochloromethane	9.57	129	75565	21.23	ug/l	98
61) 1,2-Dibromoethane	9.67	107	75826	21.31	ug/l	98
64) Tetrachloroethene	9.33	164	78130	20.52	ug/l	98
65) Chlorobenzene	10.13	112	187153	20.24	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	69715	19.99	ug/l	99
67) Ethyl Benzene	10.25	91	319642	20.36	ug/l	100
68) m/p-Xylenes	10.35	106	246469	41.25	ug/l	99
69) o-Xylene	10.70	106	117115	20.47	ug/l	99
70) Styrene	10.71	104	200008	20.39	ug/l	98
71) Bromoform	10.85	173	54983	20.33	ug/l	96
73) Isopropylbenzene	11.01	105	315289	20.46	ug/l	100
74) N-amyl acetate	10.89	43	127738	19.67	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	105116	20.47	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	87213m	18.12	ug/l	
77) Bromobenzene	11.25	156	84810	19.75	ug/l	99
78) n-propylbenzene	11.35	91	369075	20.96	ug/l	99
79) 2-Chlorotoluene	11.42	91	216066	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	262898	20.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	31054	18.31	ug/l	94
82) 4-Chlorotoluene	11.51	91	255173	20.54	ug/l	99
83) tert-Butylbenzene	11.76	119	249384	20.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	266575	20.68	ug/l	99
85) sec-Butylbenzene	11.94	105	308555	20.60	ug/l	100
86) p-Isopropyltoluene	12.06	119	284607	20.63	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	146423	19.39	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	155218	19.91	ug/l	99
89) n-Butylbenzene	12.38	91	253198	20.63	ug/l	99
90) Hexachloroethane	12.59	117	49154	18.84	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	148711	19.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	20782	20.21	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031120\
Data File : VX015188.D
Acq On : 11 Mar 2020 10:30
Operator : JC/SP
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM

Quant Time: Mar 12 06:31:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	104927	20.14	ug/l	99
94) Hexachlorobutadiene	13.77	225	51493	19.26	ug/l	96
95) Naphthalene	13.83	128	293278	19.26	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	103506	19.91	ug/l	98

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

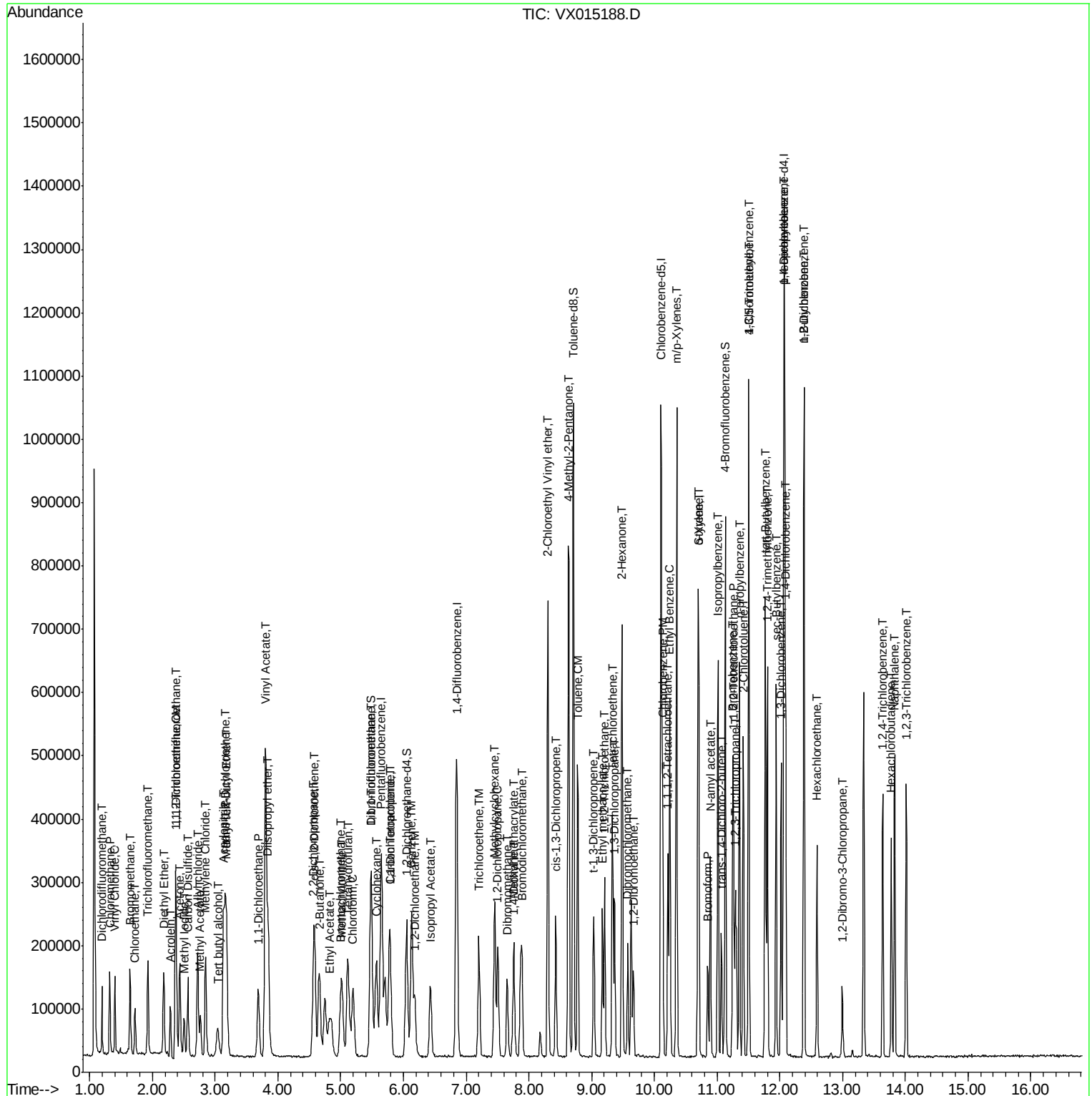
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX031120\
Data File : VX015188.D
Acq On : 11 Mar 2020 10:30
Operator : JC/SP
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

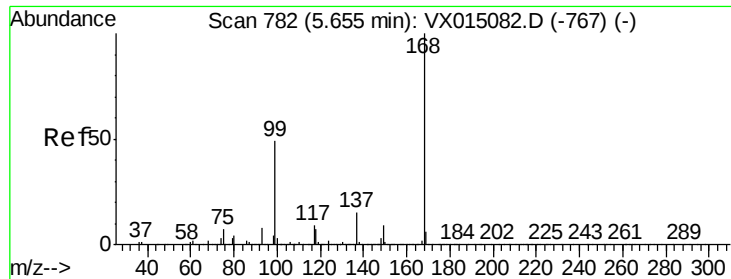
Instrument :
MSVOA_X
ClientSampleID :
VX0311WBSD01

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM

Quant Time: Mar 12 06:31:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion:168 Resp: 326426

Ion Ratio Lower Upper

168 100

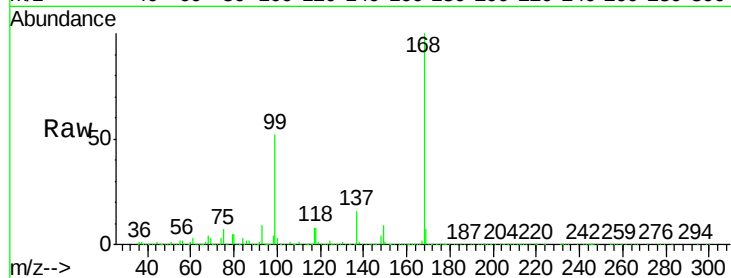
99 51.8 39.4 59.2

Manual Integrations

APPROVED

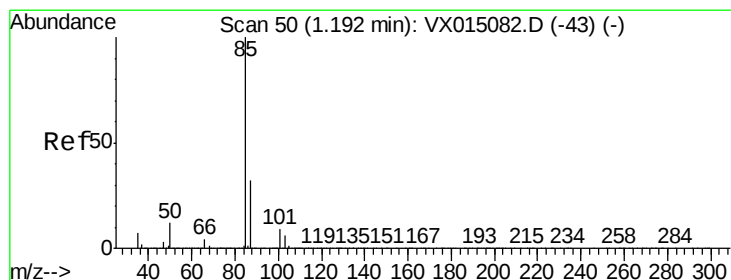
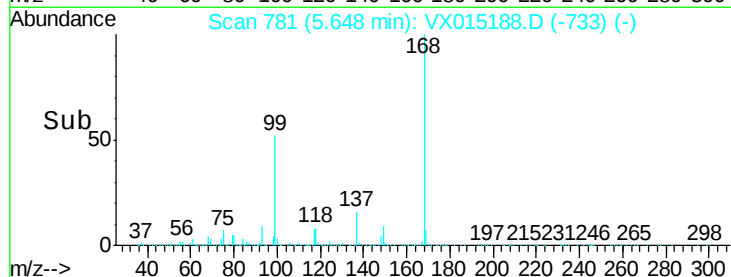
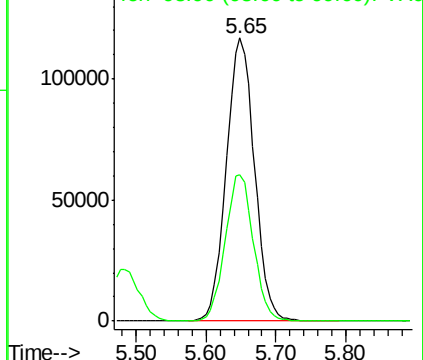
MMDadoda

3/12/2020 2:50:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.48 ug/l

RT: 1.19 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX015188.D

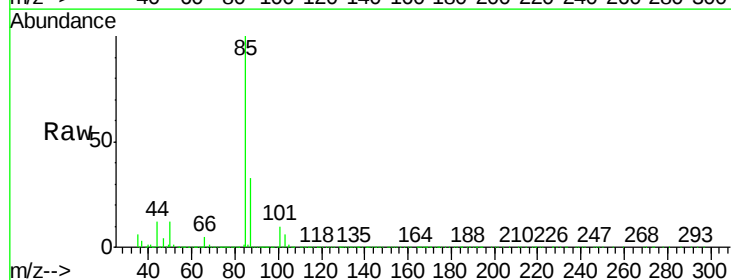
Acq: 11 Mar 2020 10:30

Tgt Ion: 85 Resp: 55696

Ion Ratio Lower Upper

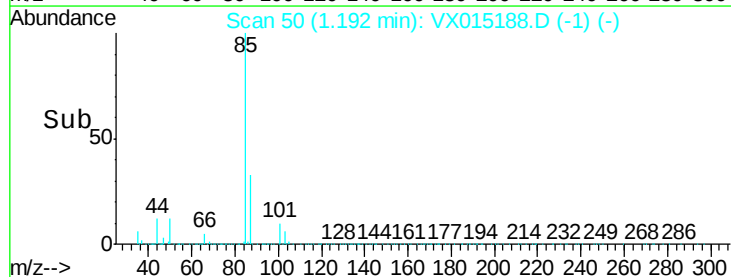
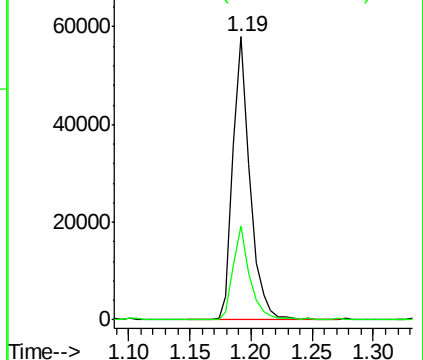
85 100

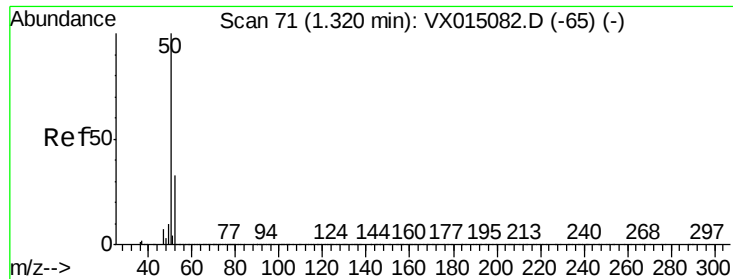
87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 19.15 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 50 Resp: 77522

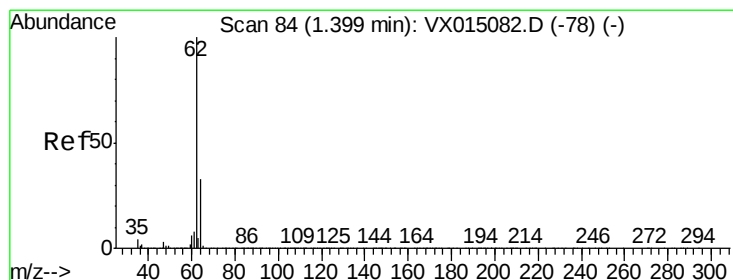
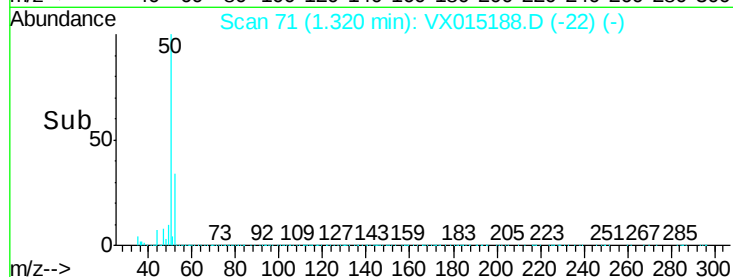
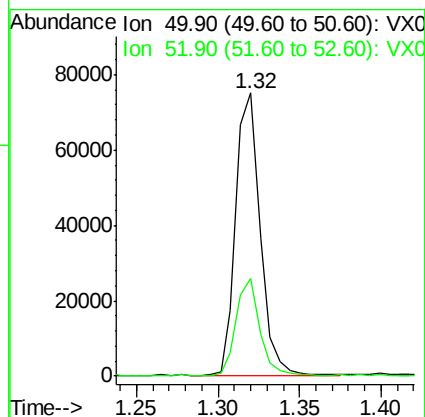
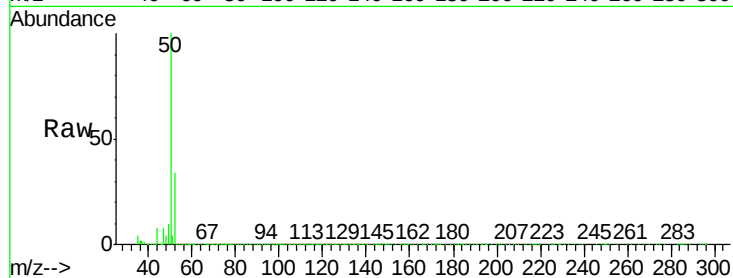
Ion Ratio Lower Upper

50 100

52 34.1 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#4

Vinyl Chloride

Concen: 18.72 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX015188.D

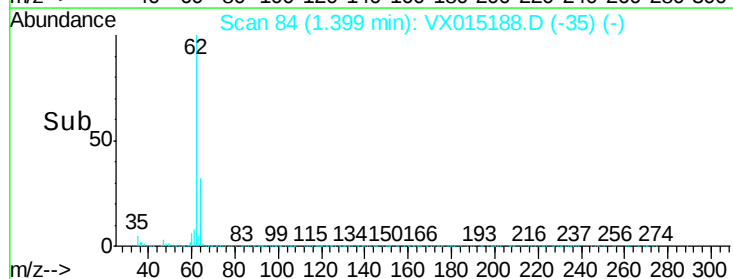
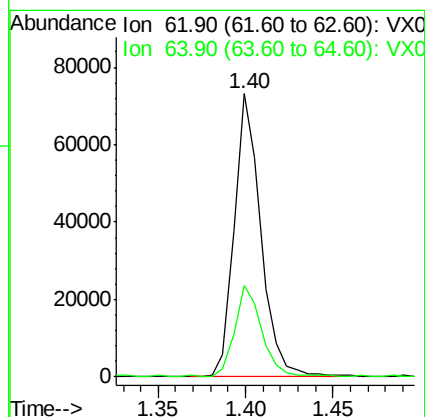
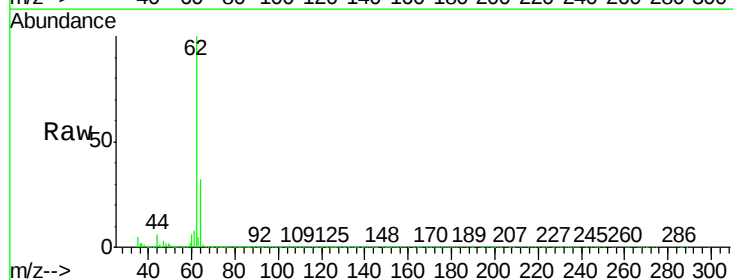
Acq: 11 Mar 2020 10:30

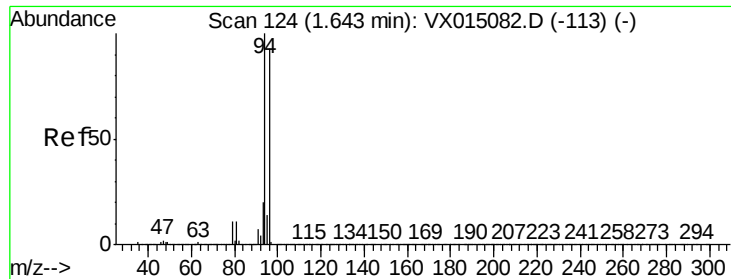
Tgt Ion: 62 Resp: 76845

Ion Ratio Lower Upper

62 100

64 32.0 26.1 39.1





#5

Bromomethane

Concen: 18.94 ug/l

RT: 1.64 min Scan# 124

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 94 Resp: 47799

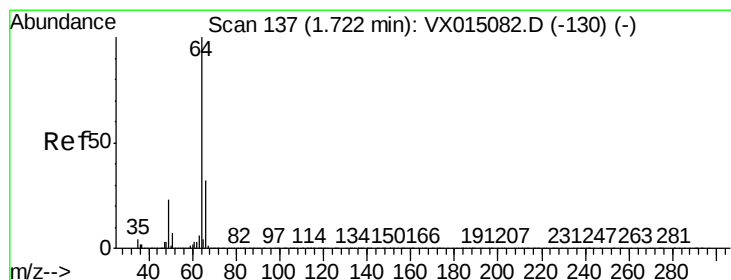
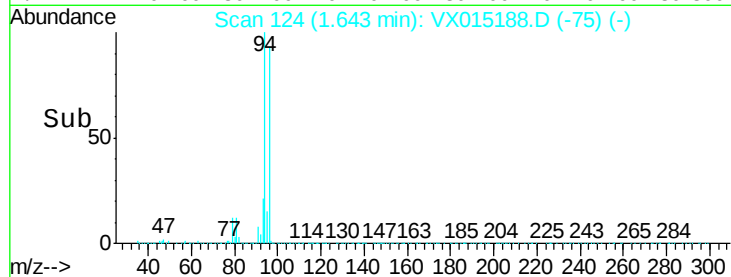
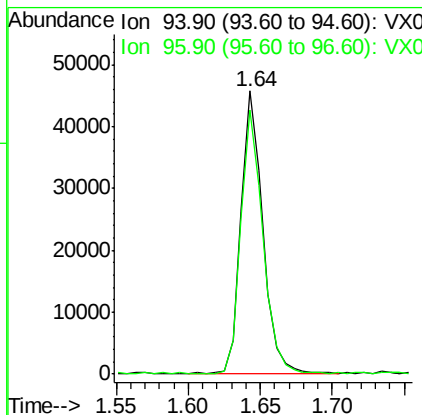
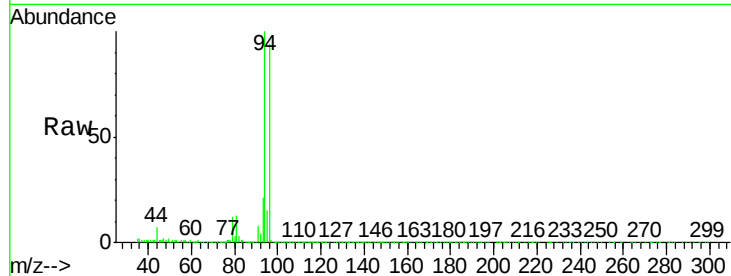
Ion Ratio Lower Upper

94 100

96 93.4 74.6 111.8

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#6

Chloroethane

Concen: 18.97 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015188.D

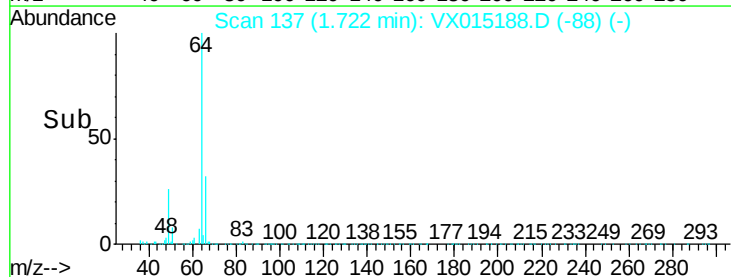
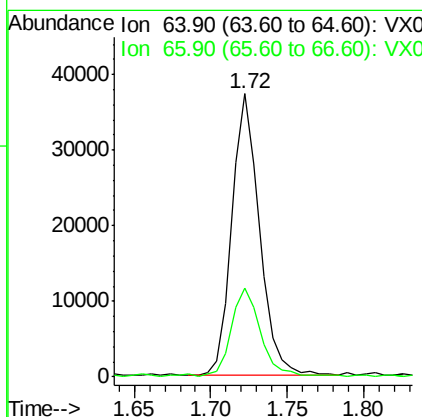
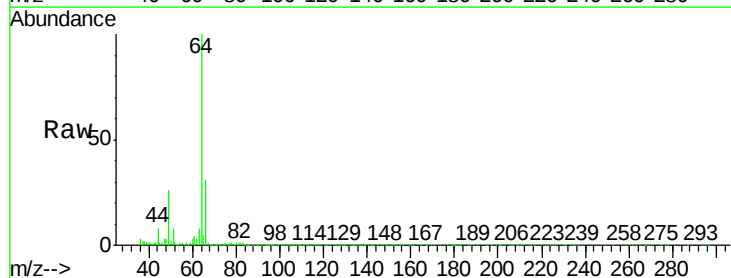
Acq: 11 Mar 2020 10:30

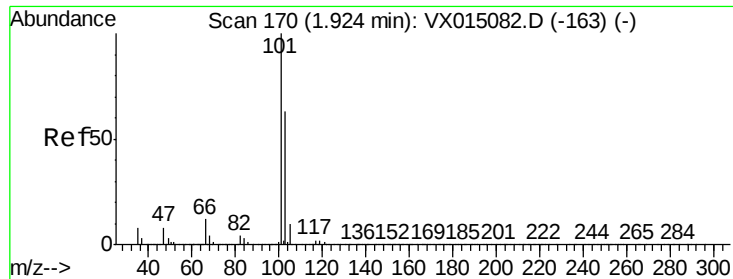
Tgt Ion: 64 Resp: 46730

Ion Ratio Lower Upper

64 100

66 30.7 25.8 38.8





#7

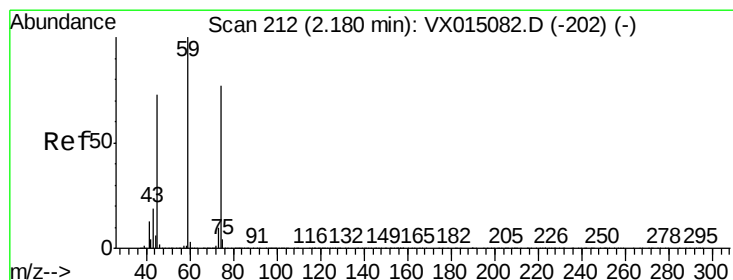
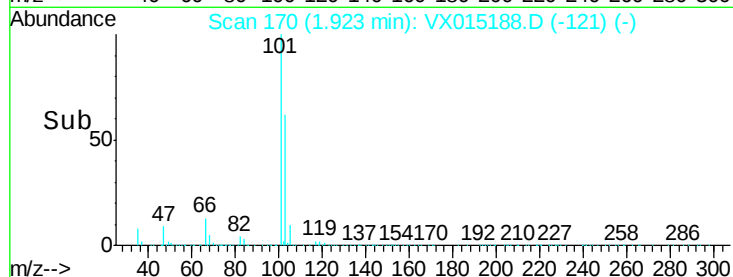
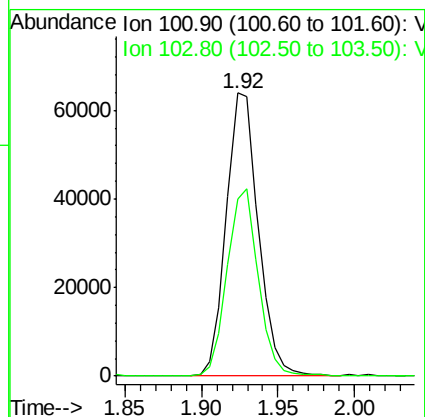
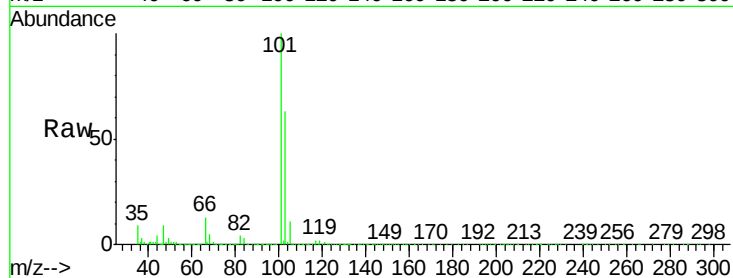
Trichlorofluoromethane
Concen: 19.02 ug/l
RT: 1.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.4	75.6

Manual Integrations
APPROVED

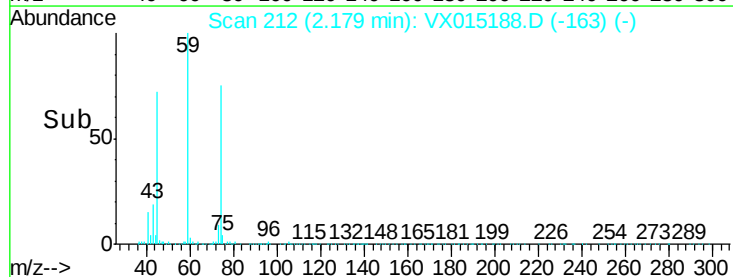
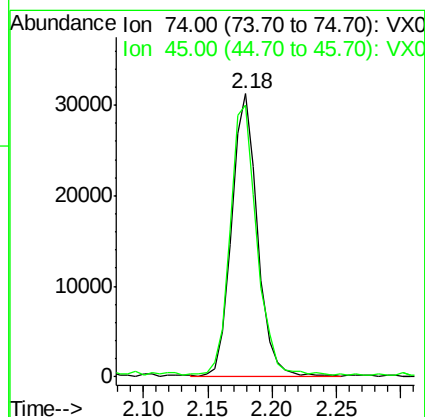
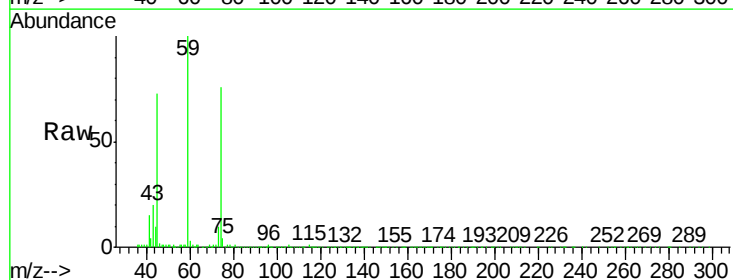
MMDadoda
3/12/2020 2:50:50 PM

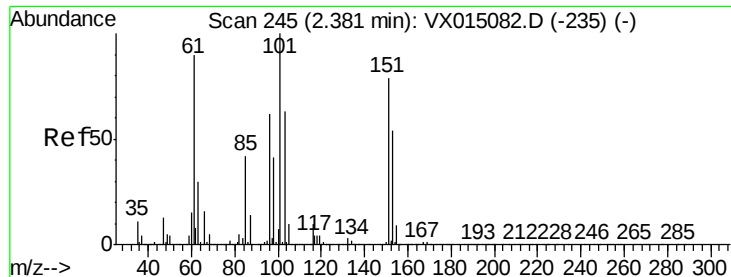


#8

Diethyl Ether
Concen: 20.01 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.98 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

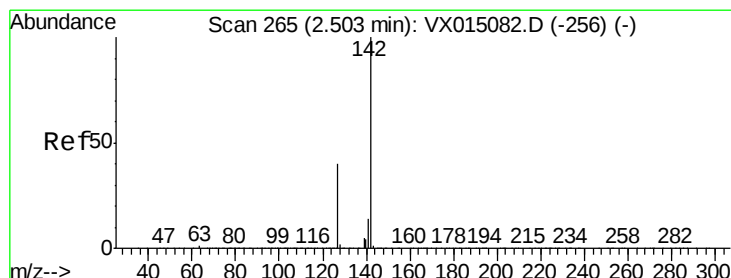
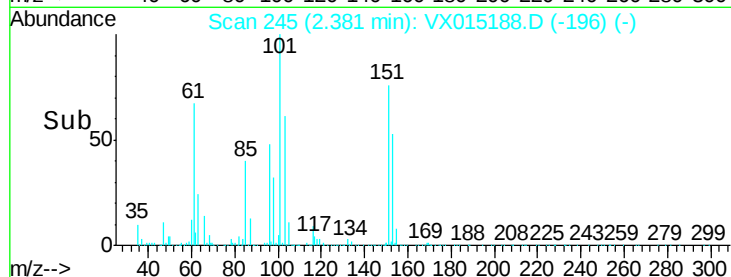
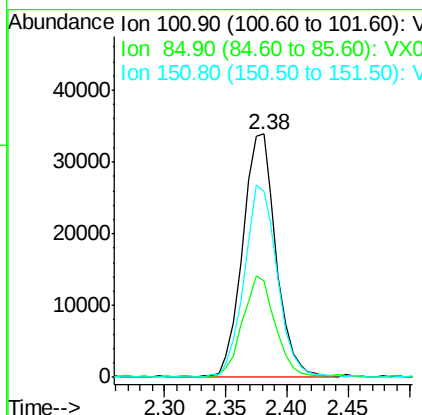
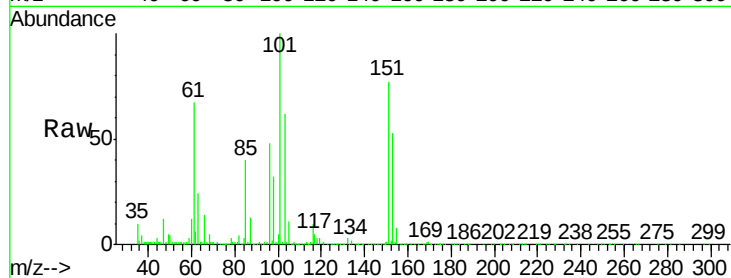
ClientSampleId :

VX0311WBSD01

Tgt Ion:	101	Resp:	64482
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.7	50.5
151	78.6	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#10

Methyl Iodide

Concen: 17.99 ug/l

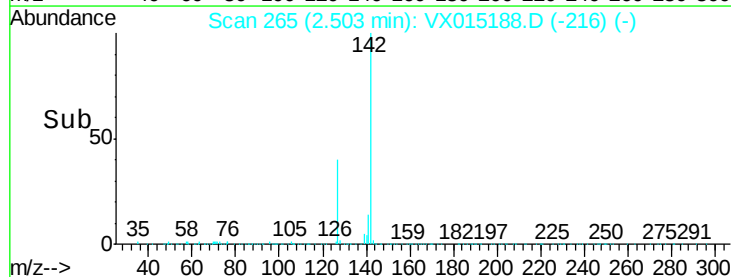
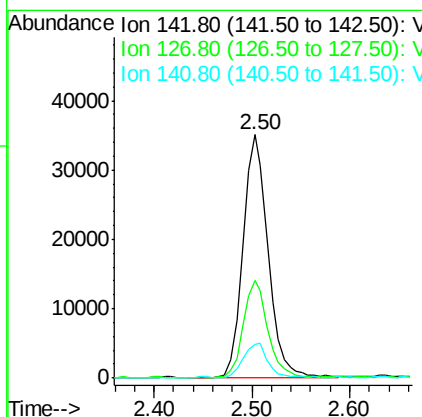
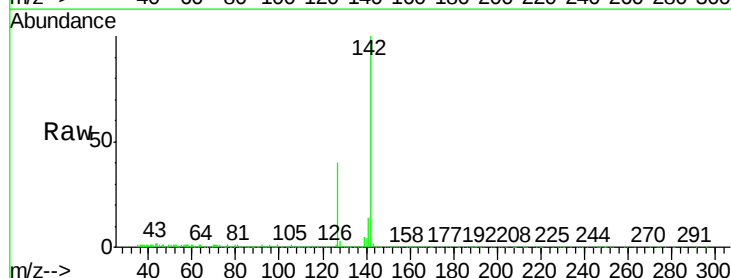
RT: 2.50 min Scan# 265

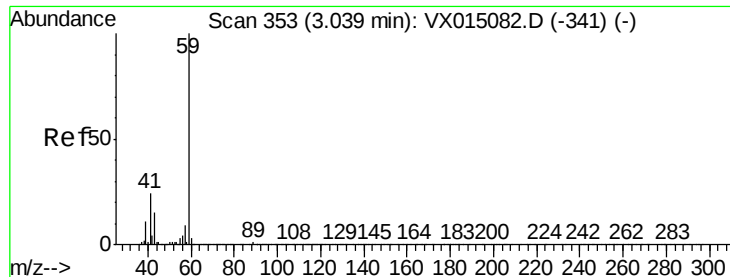
Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	142	Resp:	62462
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.7	47.5
141	14.5	11.3	16.9





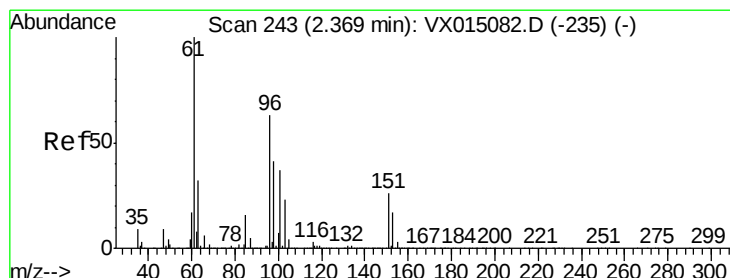
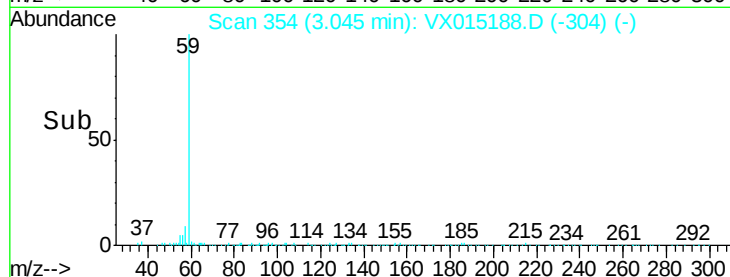
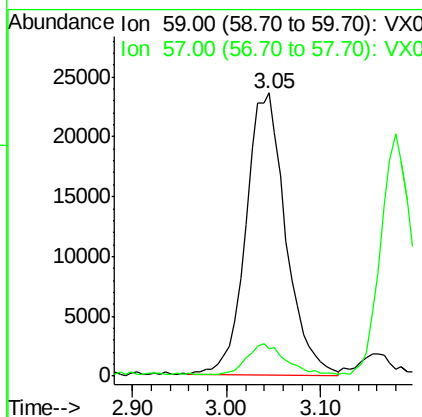
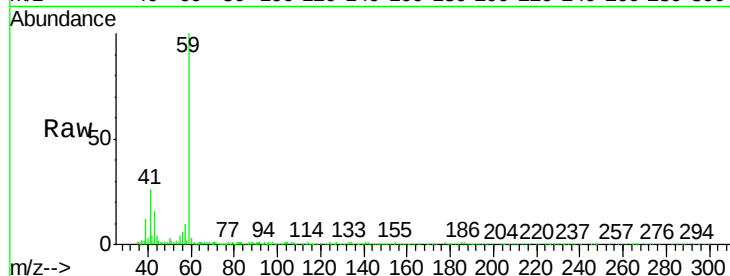
#11
Tert butyl alcohol
Concen: 103.99 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 59 Resp: 69870
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

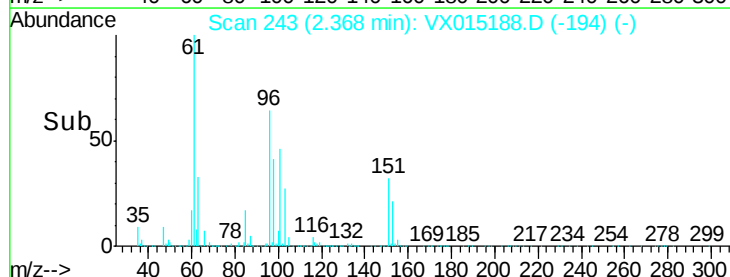
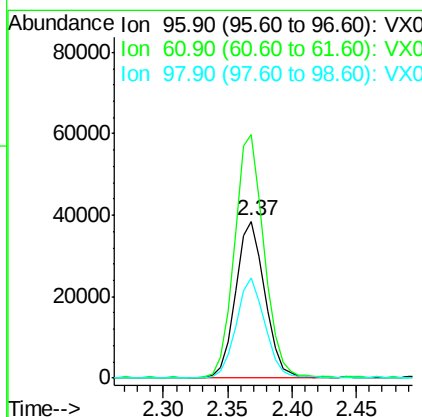
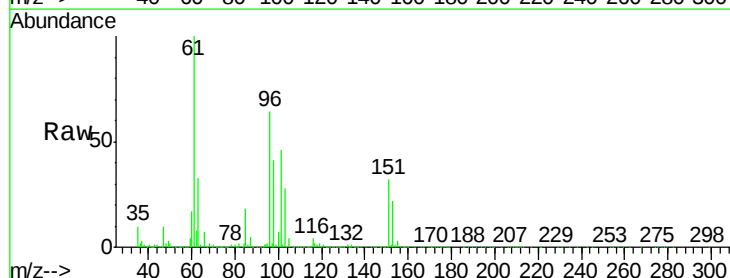
Manual Integrations
APPROVED

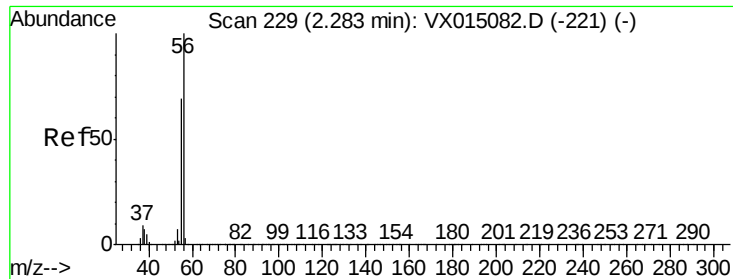
MMDadoda
3/12/2020 2:50:50 PM



#12
1,1-Dichloroethene
Concen: 19.24 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion: 96 Resp: 61043
Ion Ratio Lower Upper
96 100
61 155.5 126.2 189.4
98 63.8 51.4 77.0





#13

Acrolein

Concen: 95.01 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 56 Resp: 59989

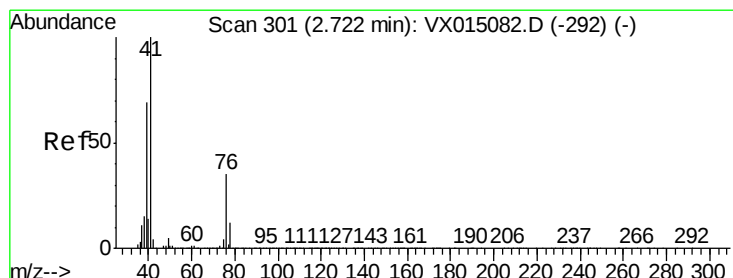
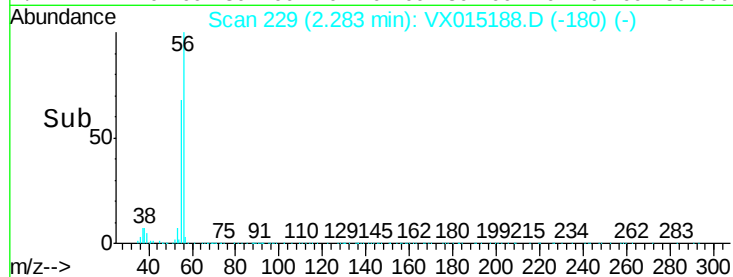
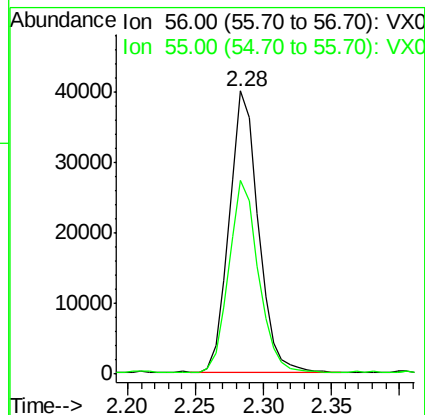
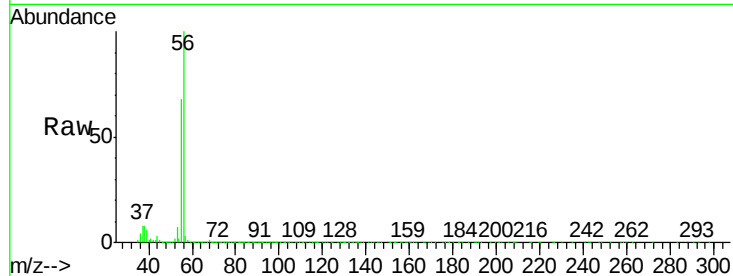
Ion Ratio Lower Upper

56 100

55 68.8 55.4 83.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#14

Allyl chloride

Concen: 19.36 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

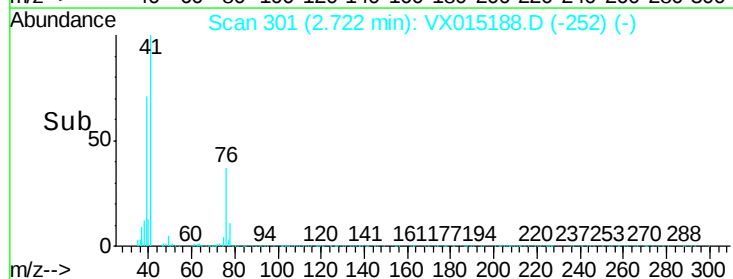
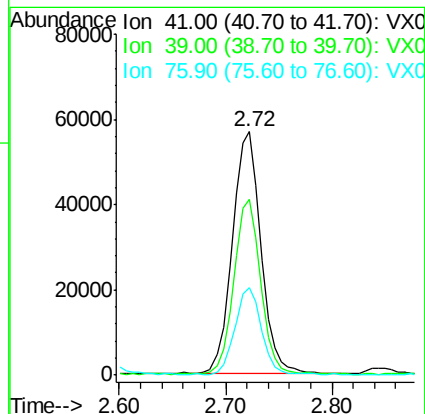
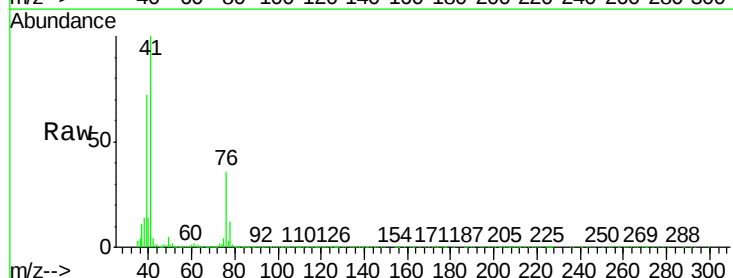
Tgt Ion: 41 Resp: 107063

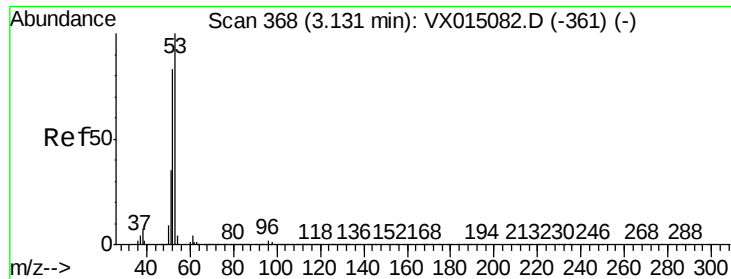
Ion Ratio Lower Upper

41 100

39 70.1 52.9 79.3

76 33.2 26.8 40.2





#15

Acrylonitrile

Concen: 104.34 ug/l

RT: 3.13 min Scan# 368

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

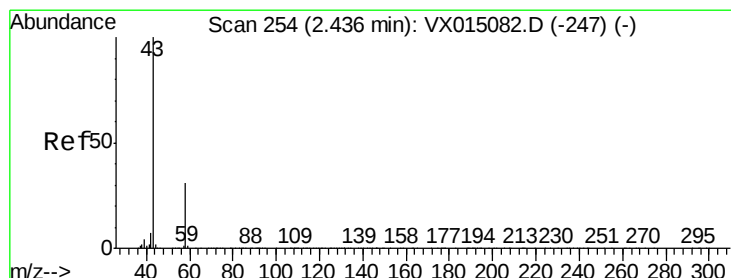
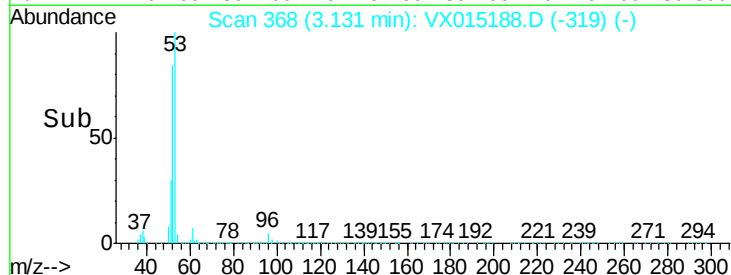
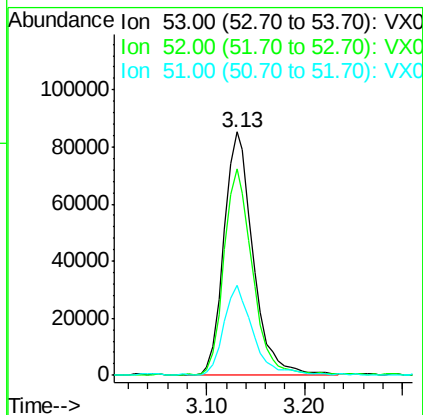
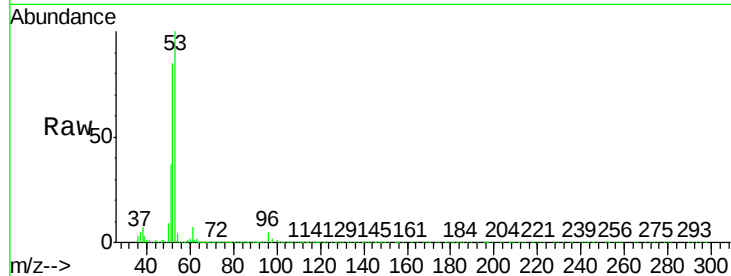
ClientSampleId :

VX0311WBSD01

Tgt Ion:	53	Resp:	174595
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	100.0
51	36.5	29.0	43.6

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#16

Acetone

Concen: 104.39 ug/l

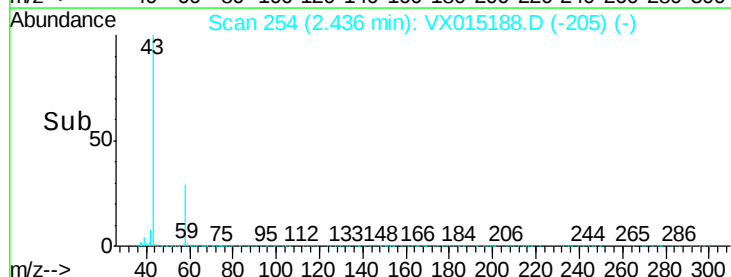
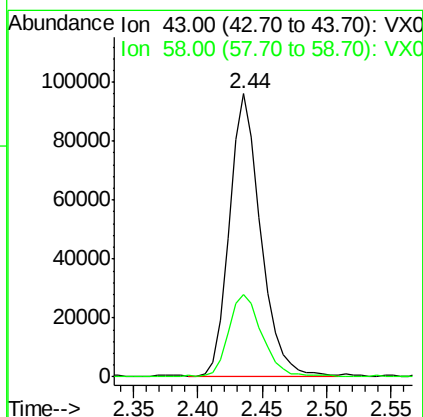
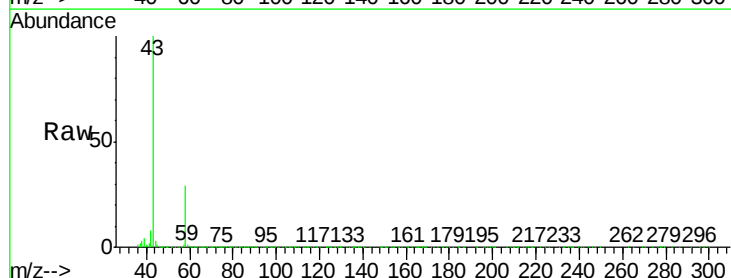
RT: 2.44 min Scan# 254

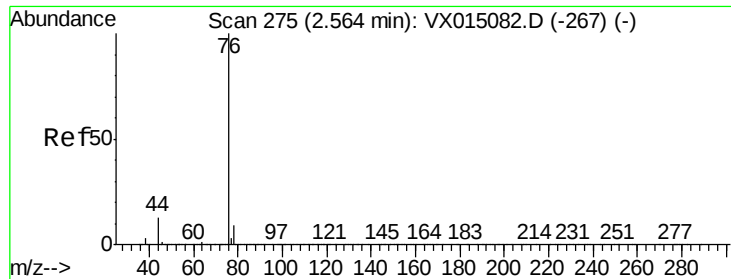
Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	43	Resp:	163720
Ion Ratio	Lower	Upper	
43	100		
58	29.0	24.8	37.2





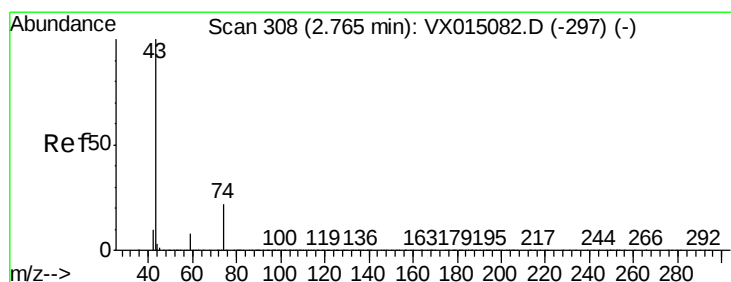
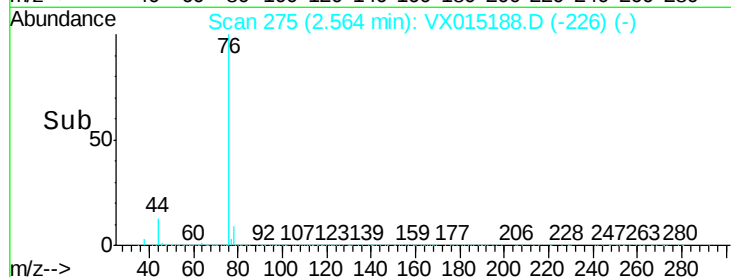
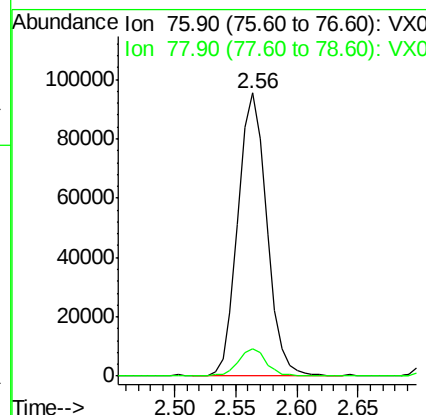
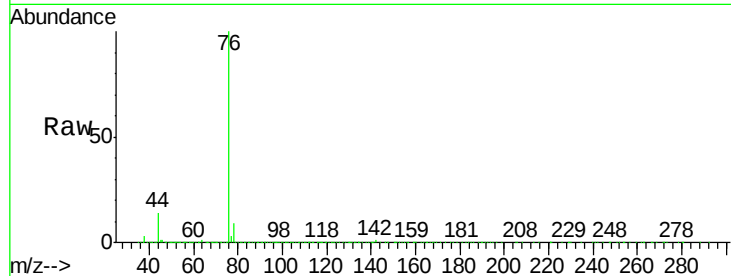
#17
Carbon Disulfide
Concen: 17.61 ug/l
RT: 2.56 min Scan# 275
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

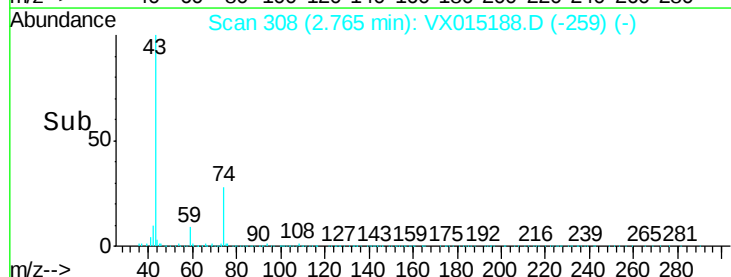
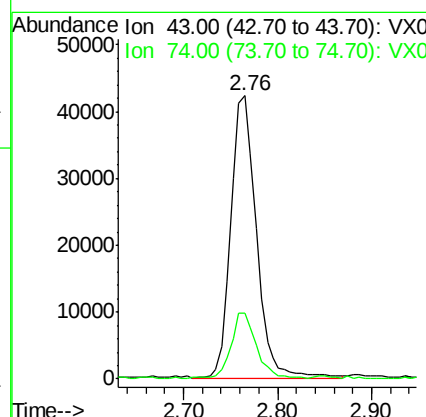
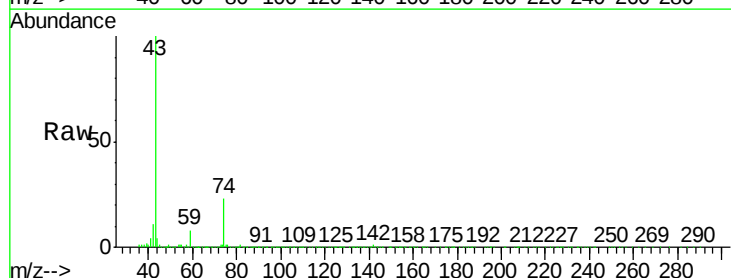
Manual Integrations
APPROVED

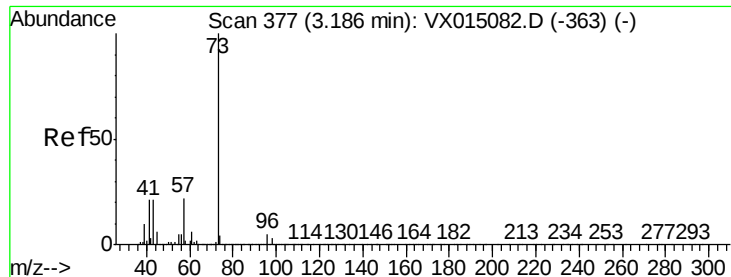
MMDadoda
3/12/2020 2:50:50 PM



#18
Methyl Acetate
Concen: 21.20 ug/l
RT: 2.76 min Scan# 308
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.8	28.2





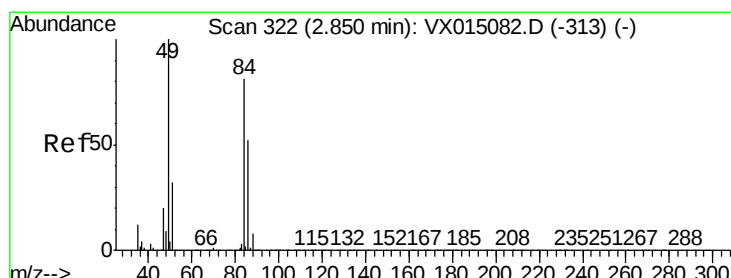
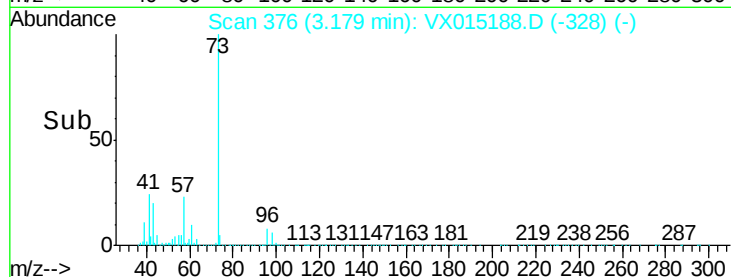
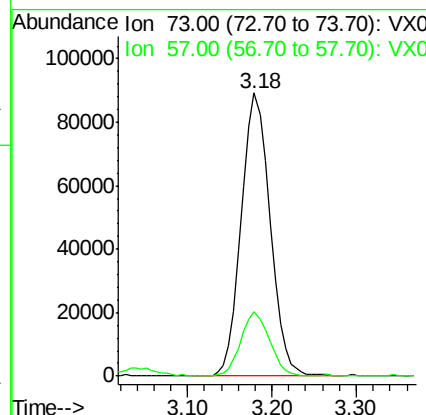
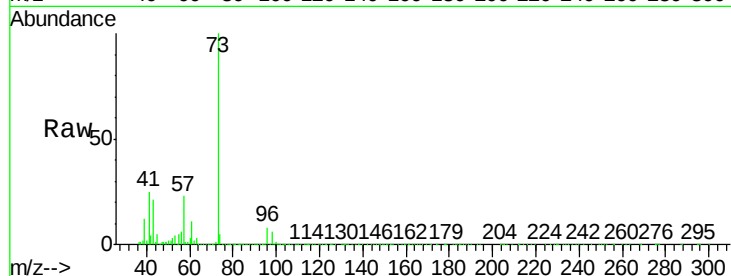
#19
Methyl tert-butyl Ether
Concen: 20.82 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.8	26.6

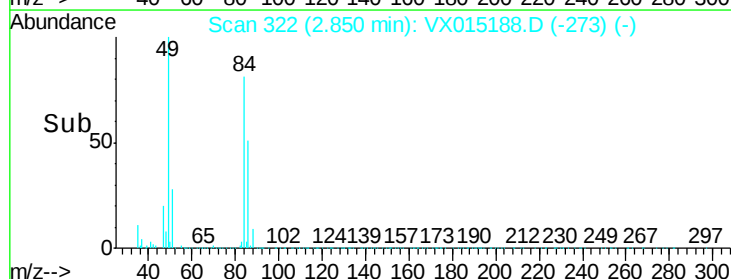
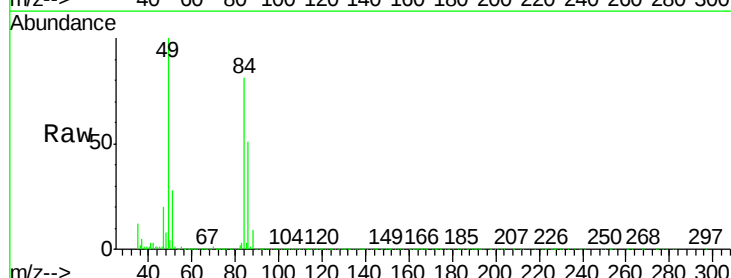
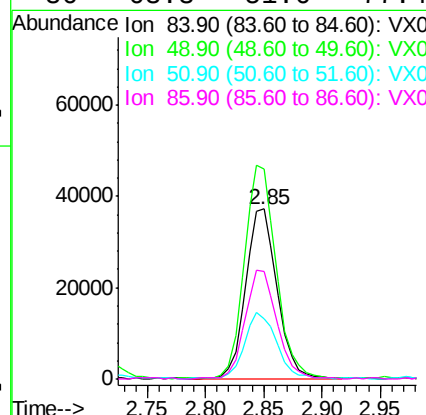
Manual Integrations
APPROVED

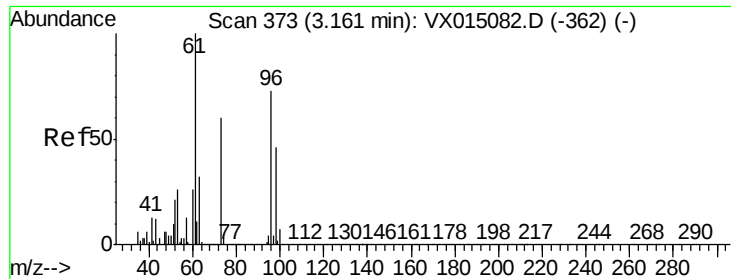
MMDadoda
3/12/2020 2:50:50 PM



#20
Methylene Chloride
Concen: 19.33 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.3	99.4	149.2
51	34.8	31.5	47.3
86	63.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.50 ug/l

RT: 3.16 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

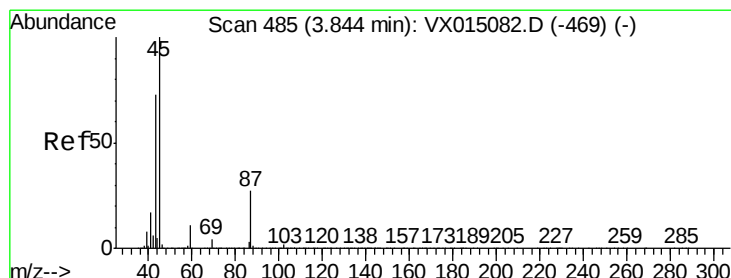
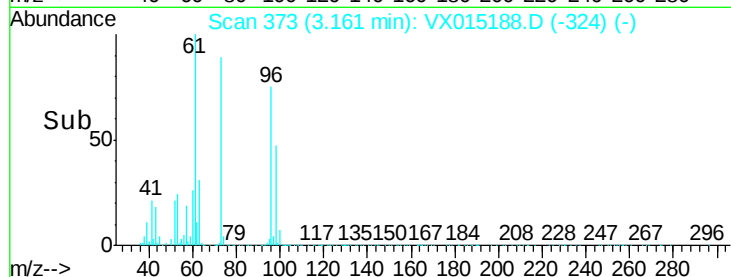
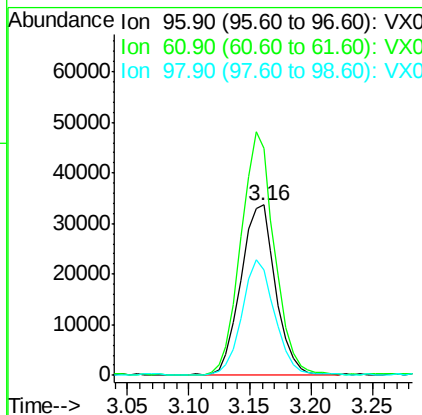
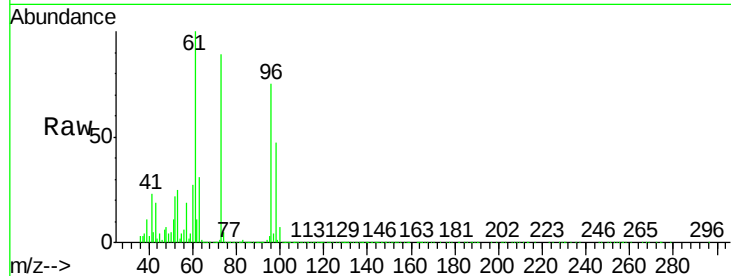
ClientSampleId :

VX0311WBSD01

Tgt Ion:	96	Resp:	66038
Ion Ratio	Lower	Upper	
96	100		
61	133.0	109.9	164.9
98	61.8	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#22

Diisopropyl ether

Concen: 21.03 ug/l

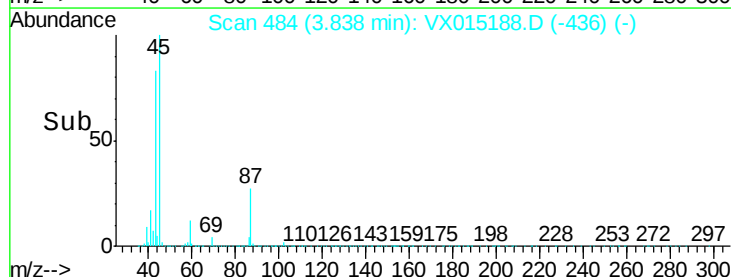
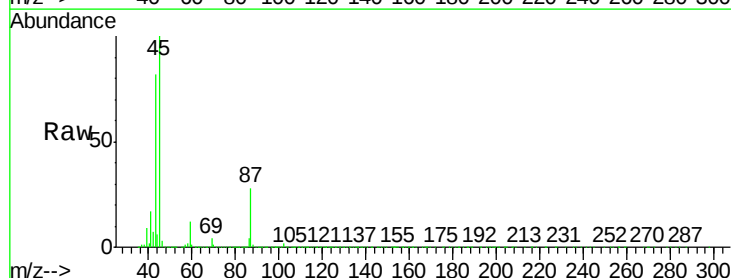
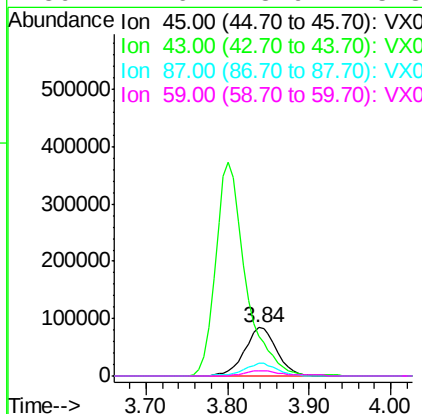
RT: 3.84 min Scan# 484

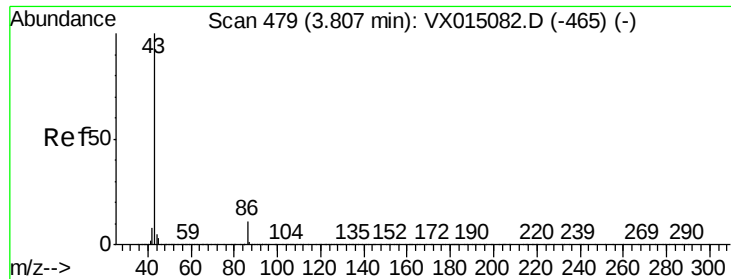
Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	45	Resp:	231796
Ion Ratio	Lower	Upper	
45	100		
43	81.9	58.2	87.2
87	27.4	21.2	31.8
59	11.6	8.9	13.3





#23

Vinyl Acetate

Concen: 105.46 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 43 Resp: 955310

Ion Ratio Lower Upper

43 100

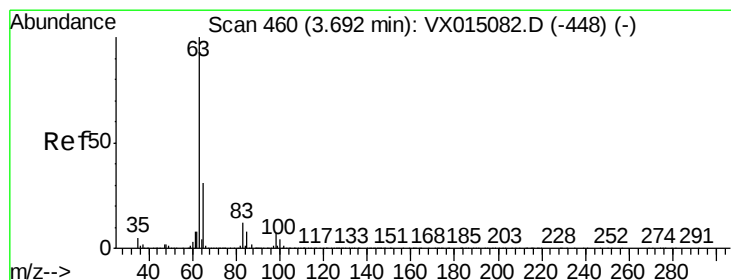
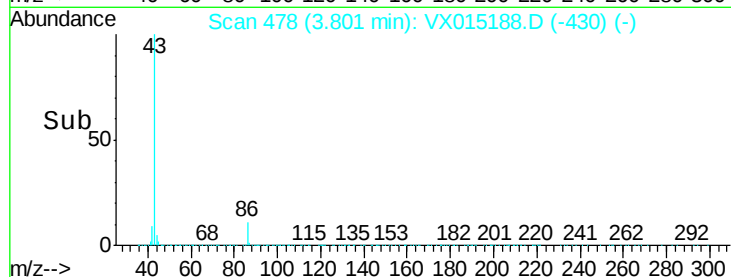
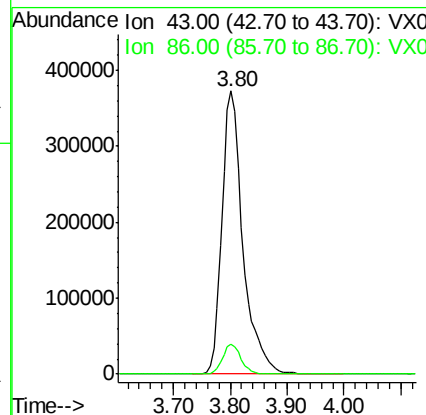
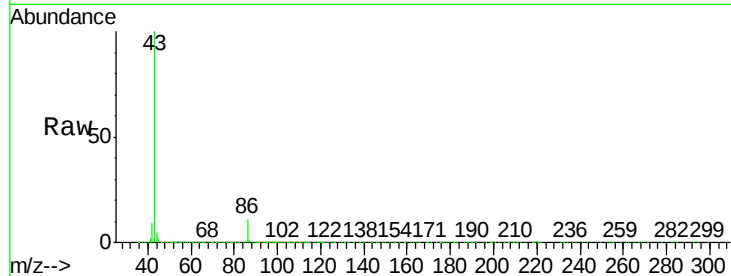
86 10.6 8.6 12.8

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:50:50 PM



#24

1,1-Dichloroethane

Concen: 19.99 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

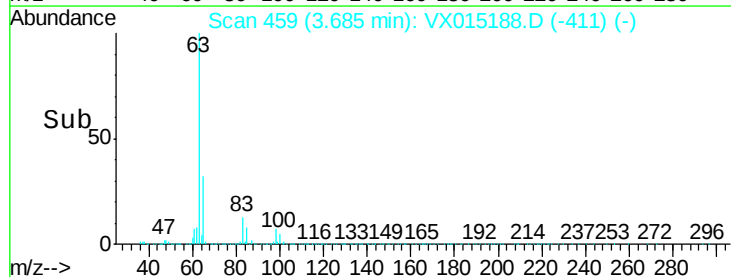
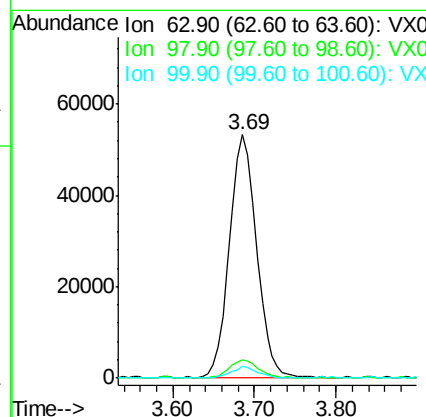
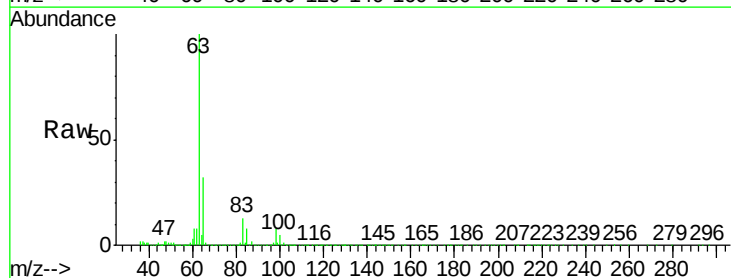
Tgt Ion: 63 Resp: 122272

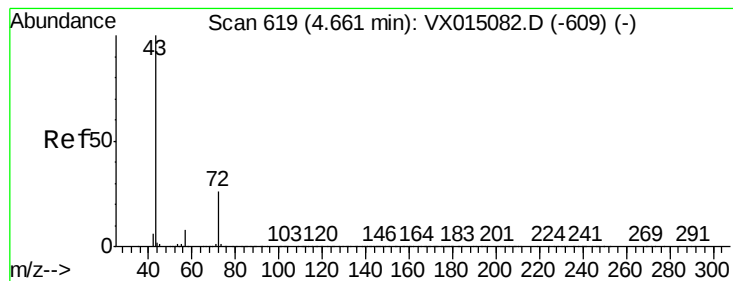
Ion Ratio Lower Upper

63 100

98 7.7 3.7 11.1

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 104.13 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 43 Resp: 239080

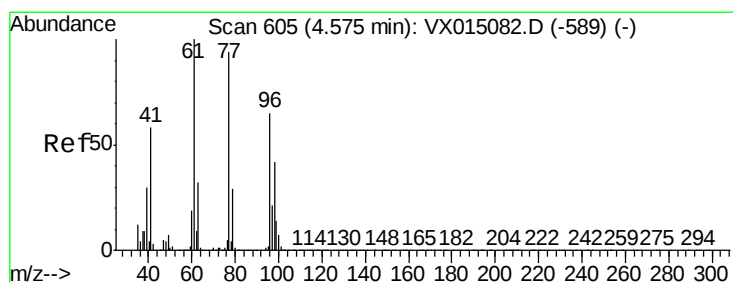
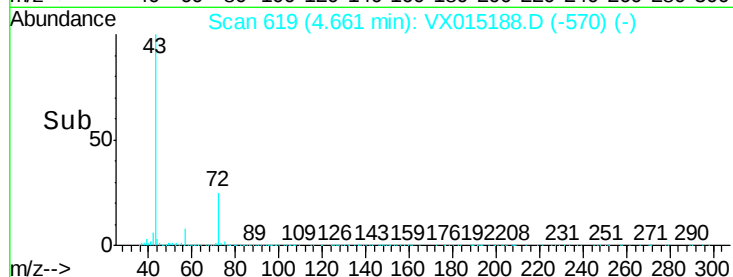
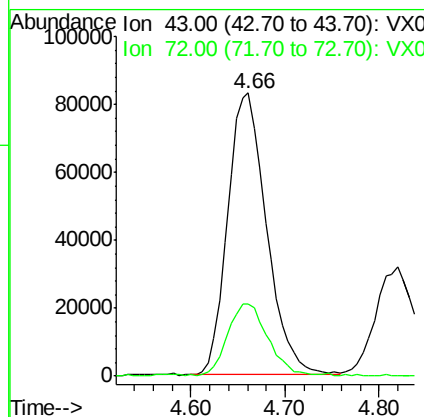
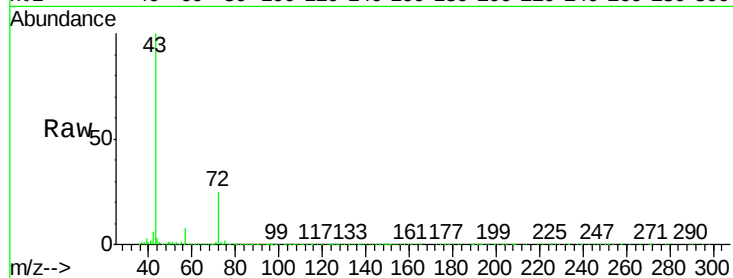
Ion Ratio Lower Upper

43 100

72 25.2 20.6 30.8

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#26

2,2-Dichloropropane

Concen: 19.04 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX015188.D

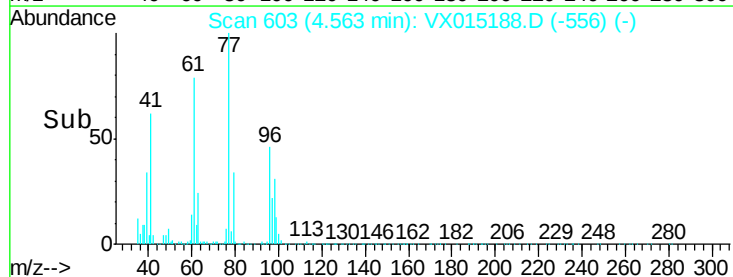
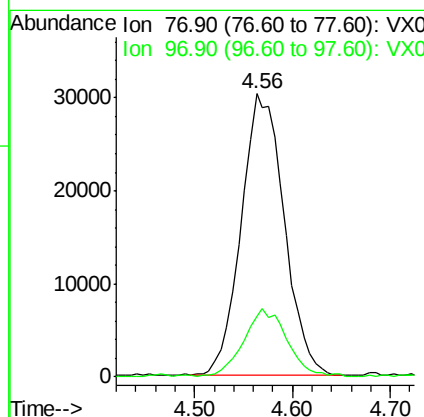
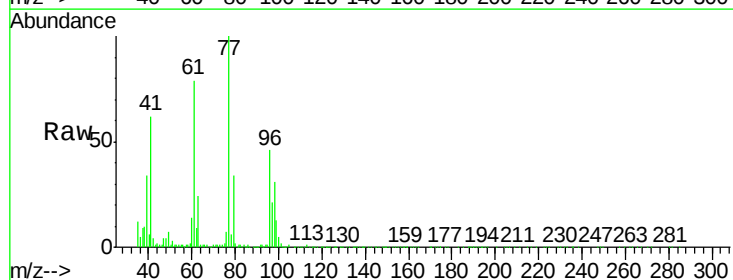
Acq: 11 Mar 2020 10:30

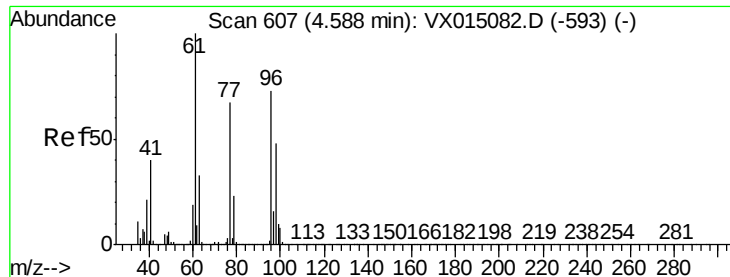
Tgt Ion: 77 Resp: 92447

Ion Ratio Lower Upper

77 100

97 24.7 11.8 35.4





#27

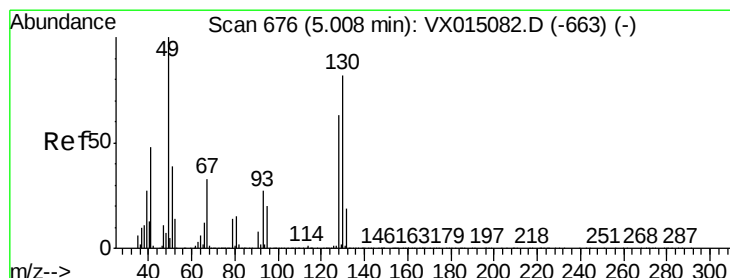
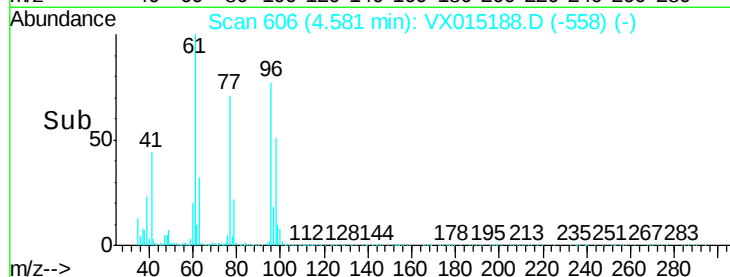
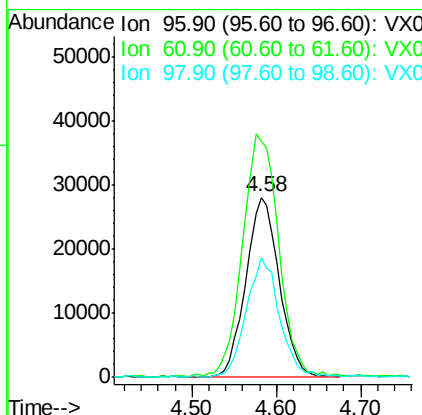
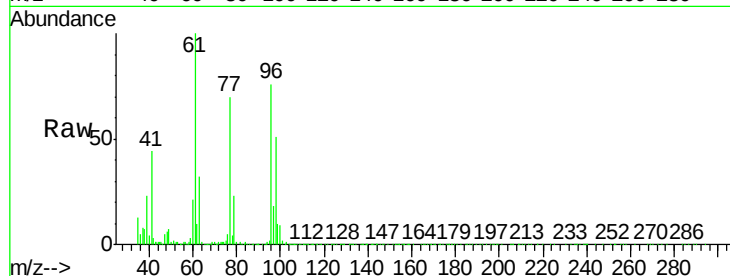
cis-1,2-Dichloroethene
Concen: 20.02 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	286.8
98	66.1	0.0	128.4

Manual Integrations
APPROVED

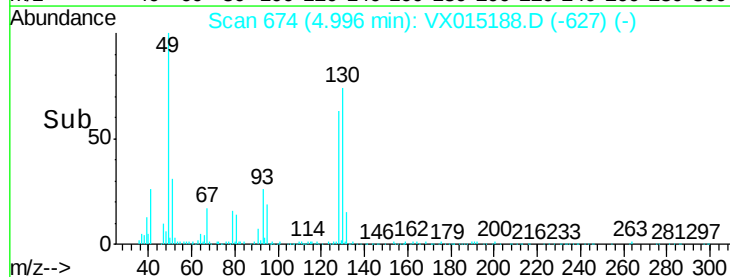
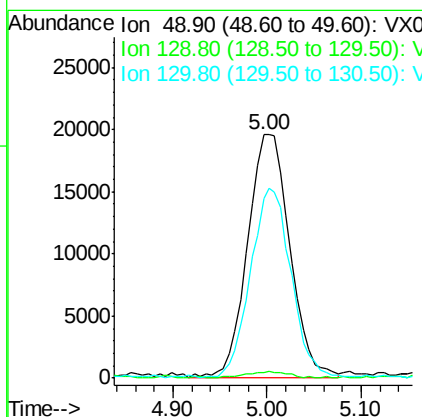
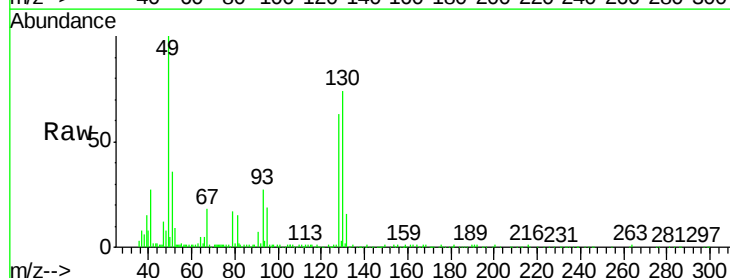
MMDadoda
3/12/2020 2:50:50 PM

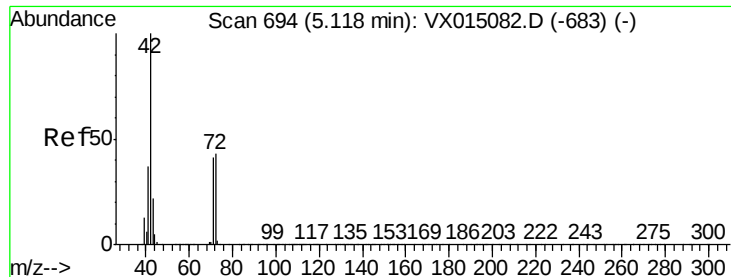


#28

Bromochloromethane
Concen: 22.23 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.4
130	73.9	65.0	97.6





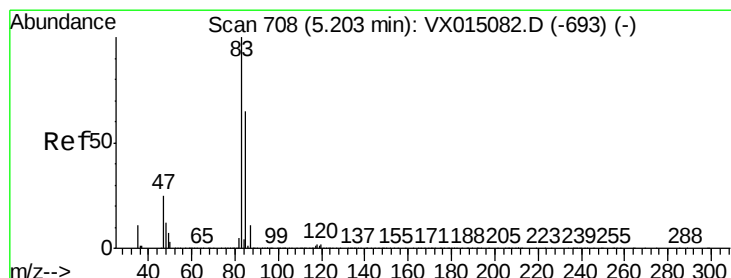
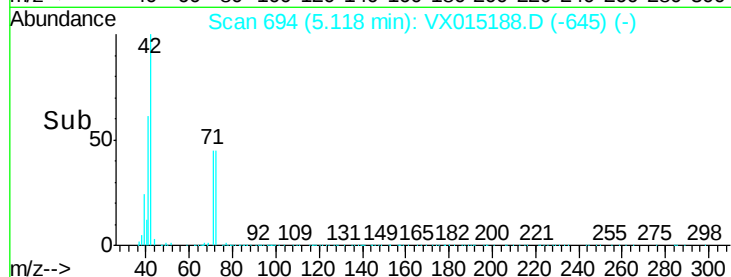
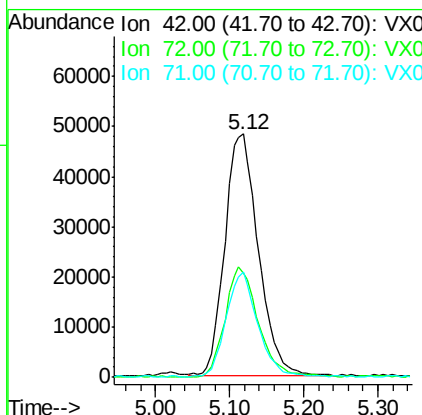
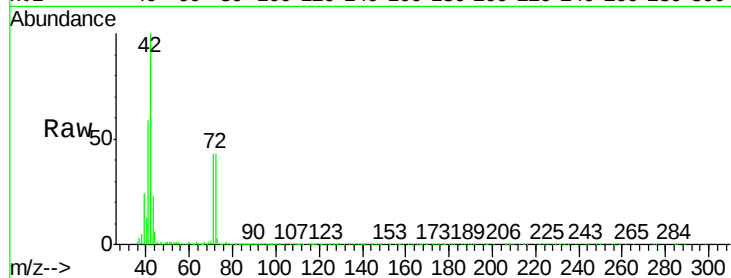
#29
Tetrahydrofuran
Concen: 102.07 ug/l
RT: 5.12 min Scan# 694
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.8	36.4	54.6
71	41.1	33.3	49.9

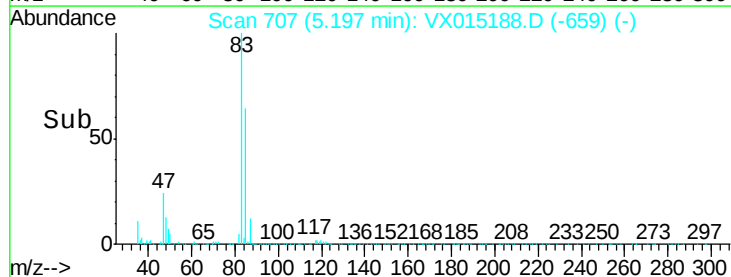
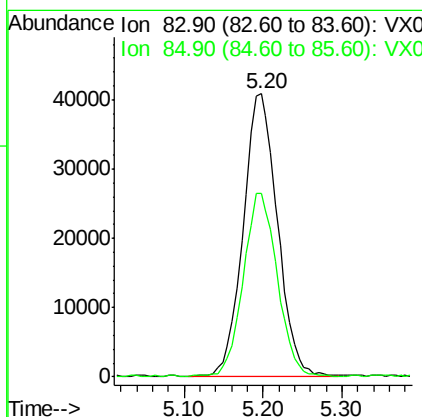
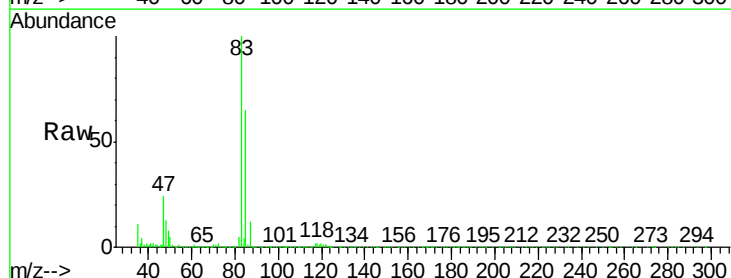
Manual Integrations
APPROVED

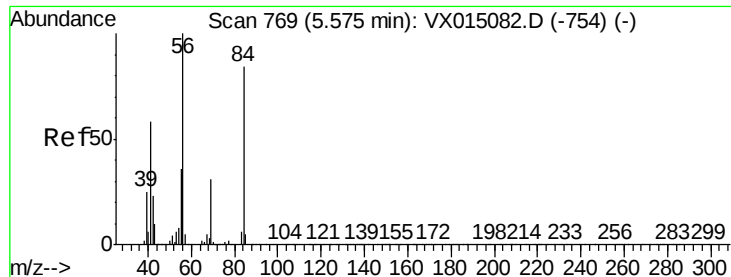
MMDadoda
3/12/2020 2:50:50 PM



#30
Chloroform
Concen: 20.56 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0





#31

Cyclohexane

Concen: 19.32 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

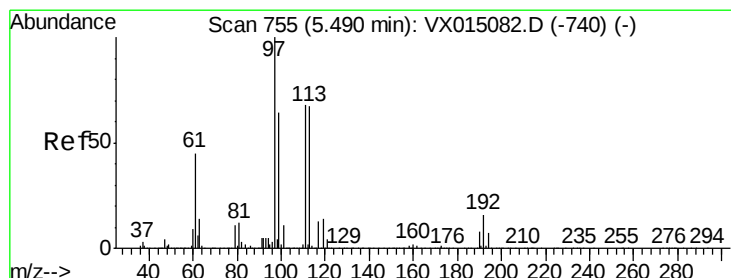
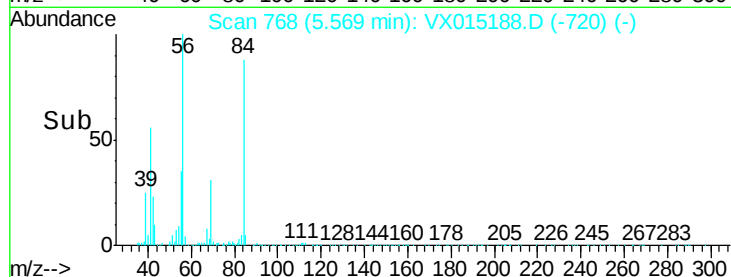
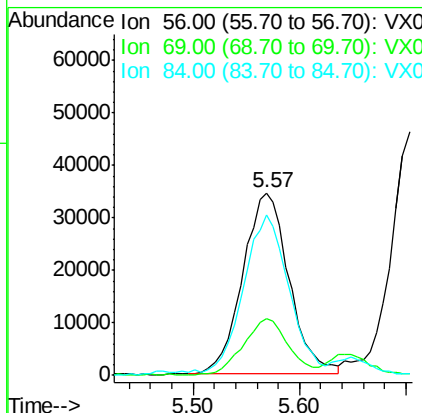
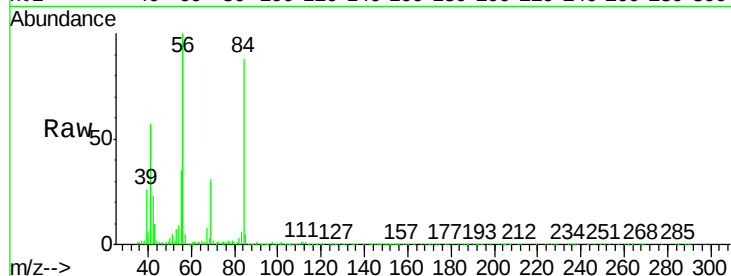
ClientSampleId :

VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.0	37.6
84	86.7	67.6	101.4

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#32

1,1,1-Trichloroethane

Concen: 19.66 ug/l

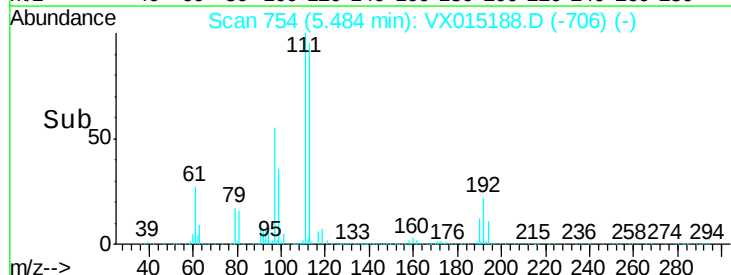
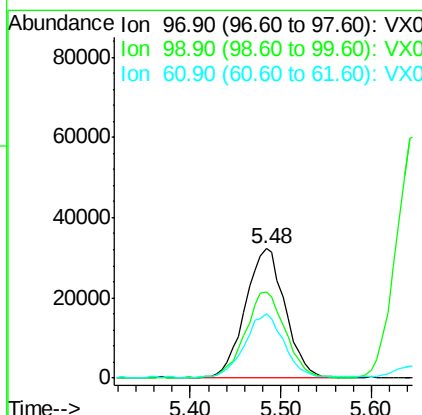
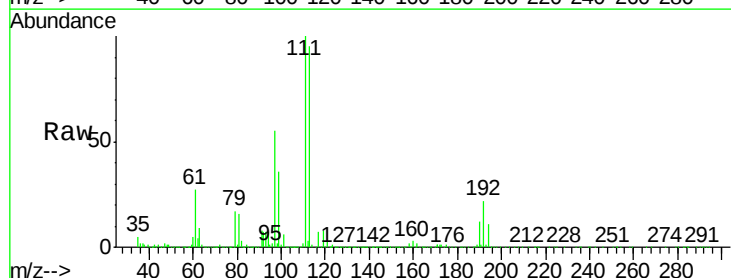
RT: 5.48 min Scan# 754

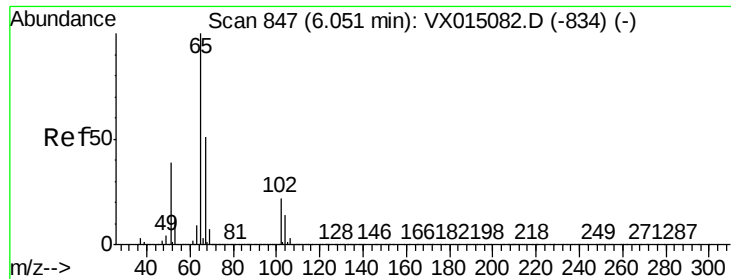
Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	52.8	79.2
61	48.3	36.6	54.8





#33

1,2-Dichloroethane-d4

Concen: 51.73 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 65 Resp: 200325

Ion Ratio Lower Upper

65 100

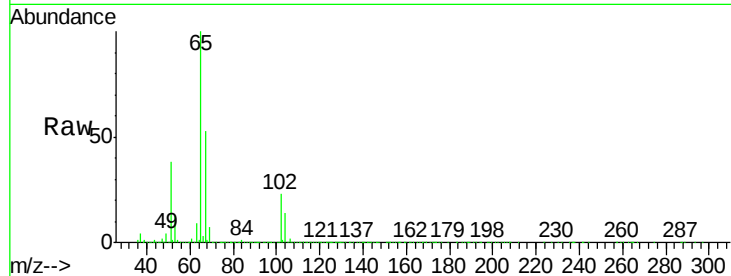
67 52.9 0.0 105.6

Manual Integrations

APPROVED

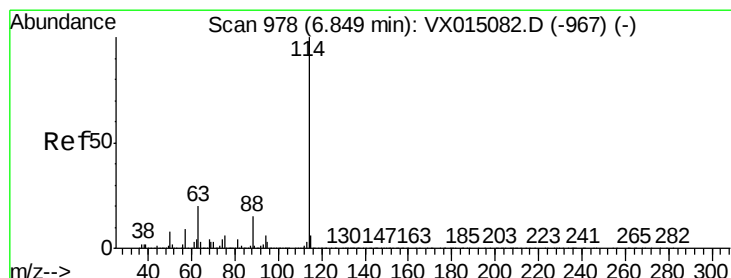
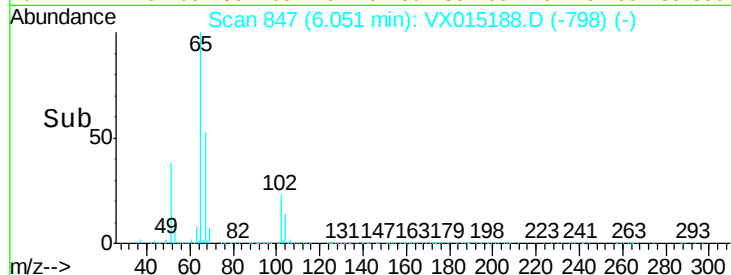
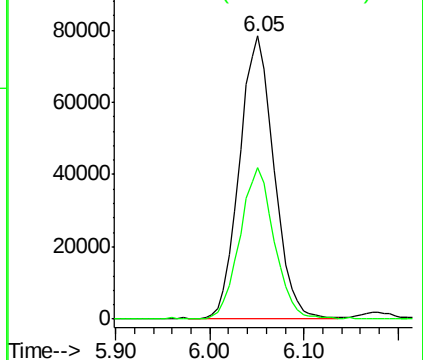
MMDadoda

3/12/2020 2:50:50 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

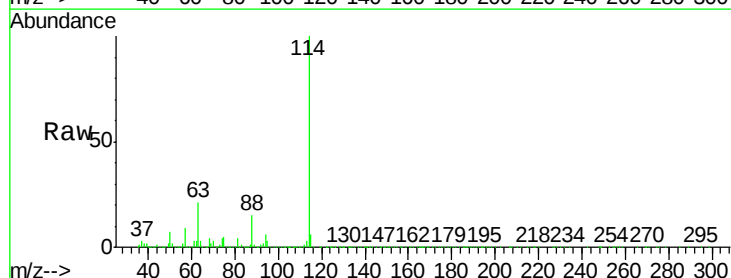
Tgt Ion: 114 Resp: 490845

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

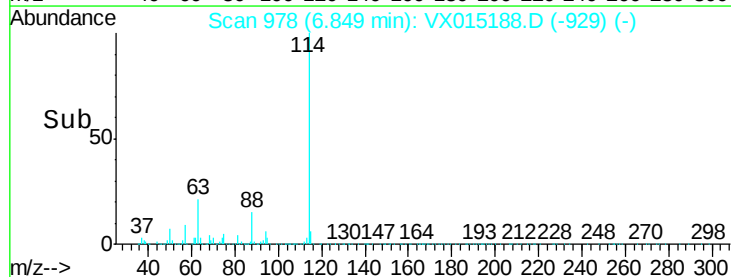
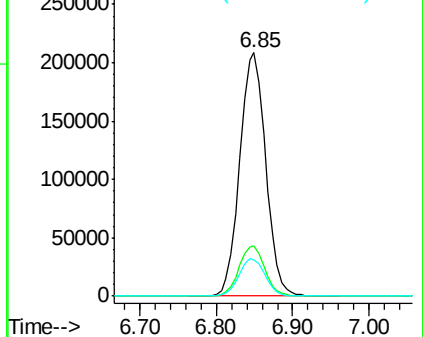
88 14.9 0.0 30.6

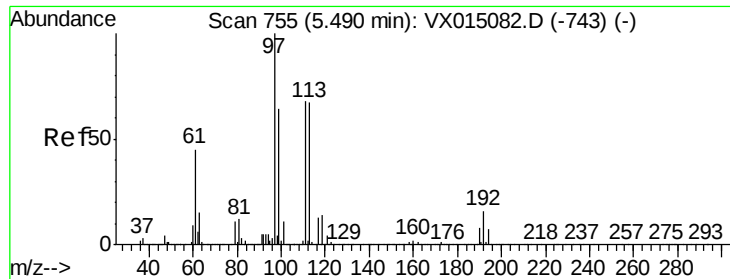


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.75 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

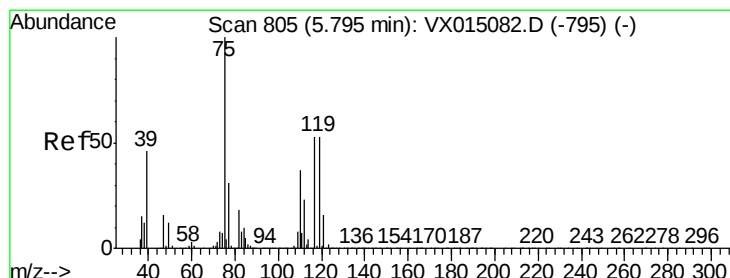
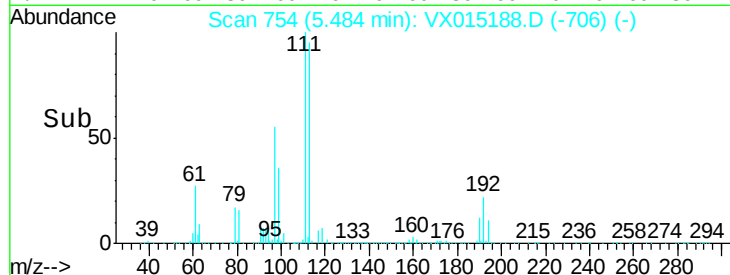
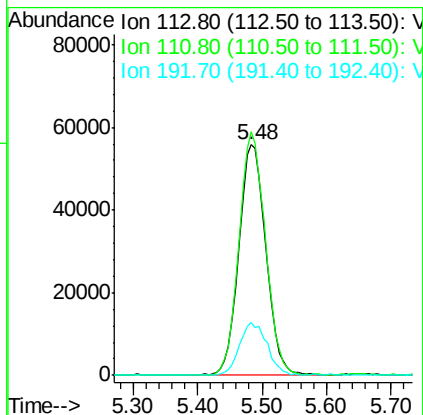
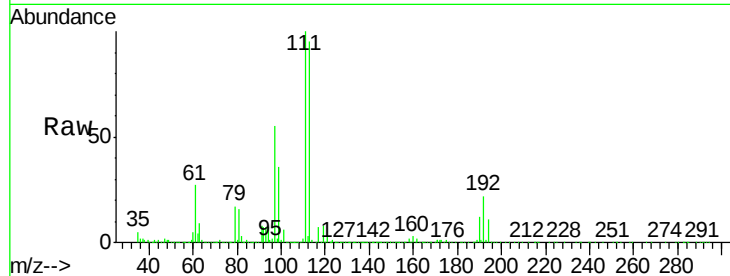
ClientSampleId :

VX0311WBSD01

Tgt Ion:	113	Resp:	160249
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.6	123.8
192	23.6	18.6	28.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#36

1,1-Dichloropropene

Concen: 19.32 ug/l

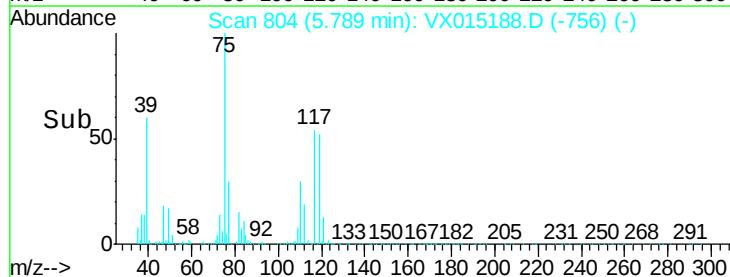
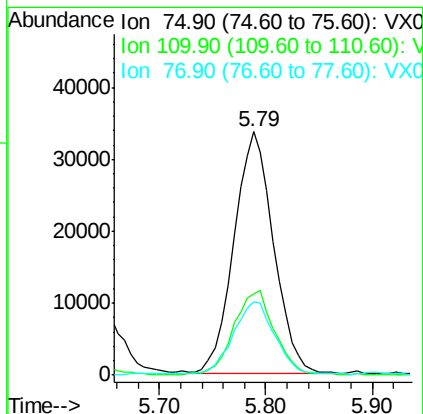
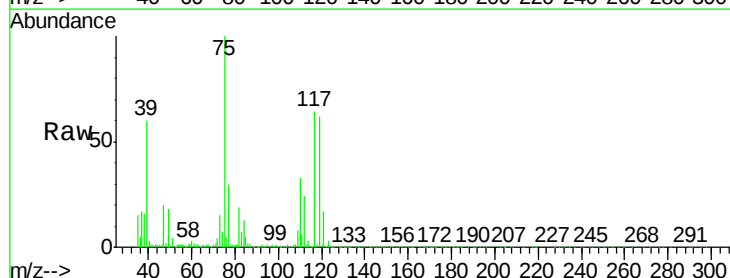
RT: 5.79 min Scan# 804

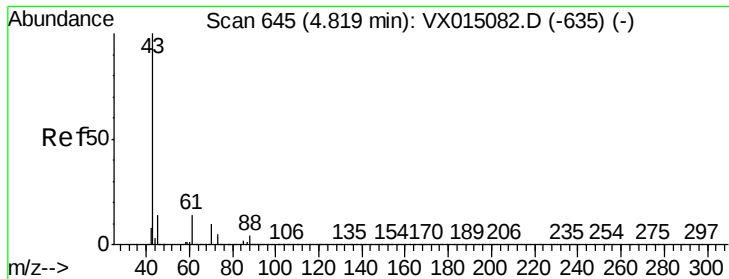
Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	75	Resp:	87672
Ion Ratio	Lower	Upper	
75	100		
110	36.4	17.9	53.8
77	31.0	24.8	37.2





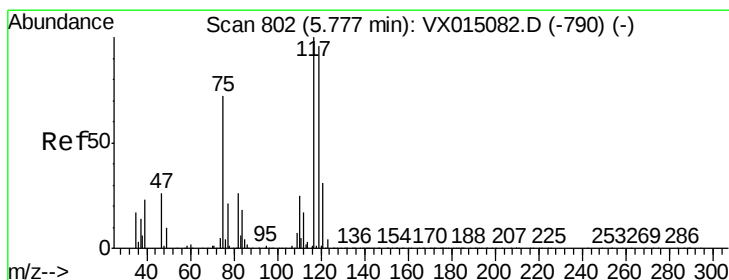
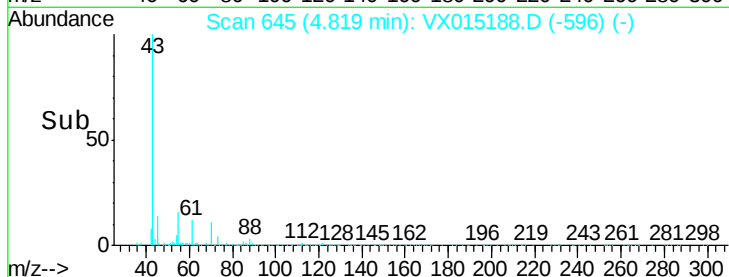
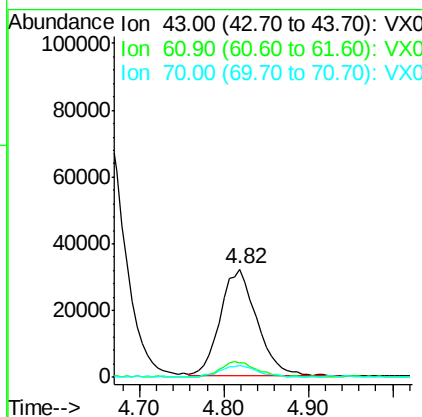
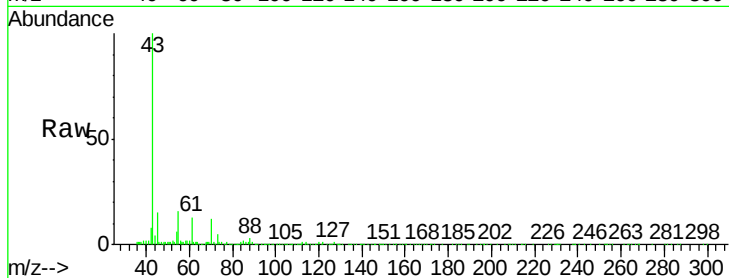
#37
Ethyl Acetate
Concen: 22.69 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	12.0	8.1	12.1

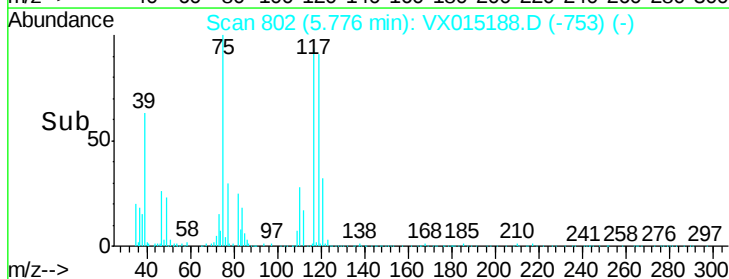
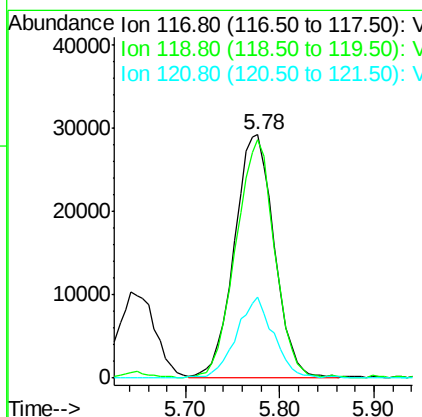
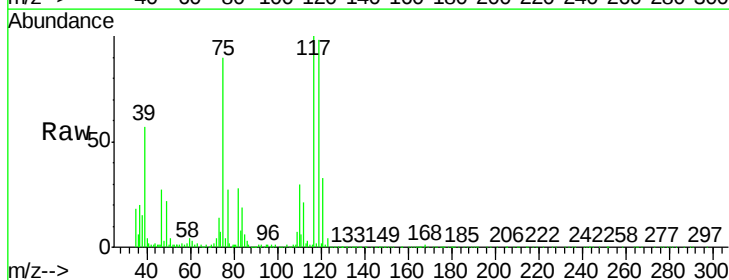
Manual Integrations
APPROVED

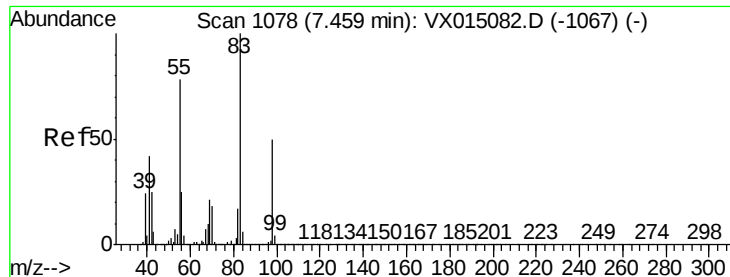
MMDadoda
3/12/2020 2:50:50 PM



#38
Carbon Tetrachloride
Concen: 20.29 ug/l
RT: 5.78 min Scan# 802
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.9	115.3
121	32.6	24.6	37.0





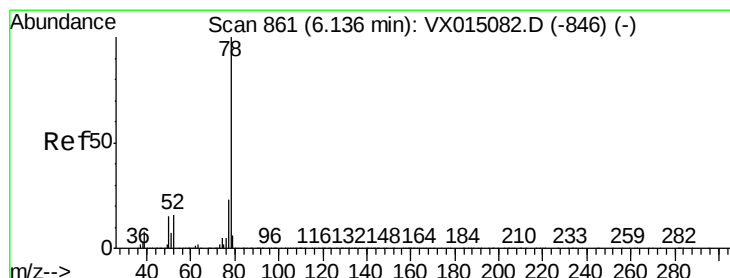
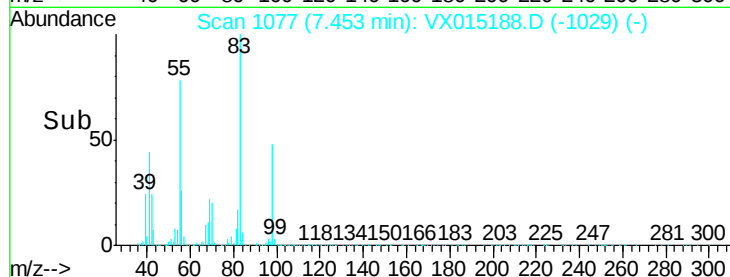
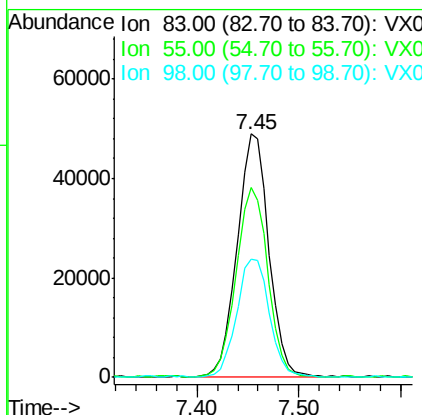
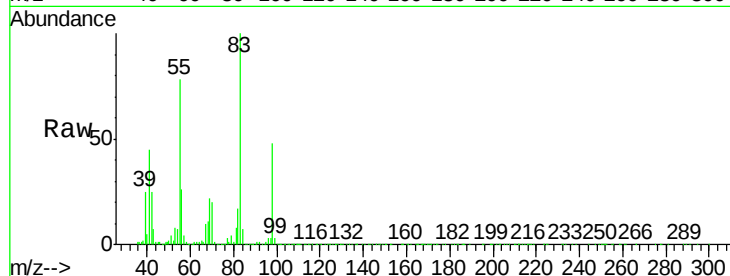
#39
Methylcyclohexane
Concen: 19.99 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.4	93.6
98	48.1	39.7	59.5

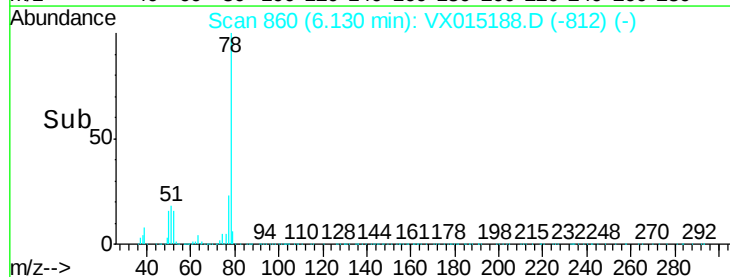
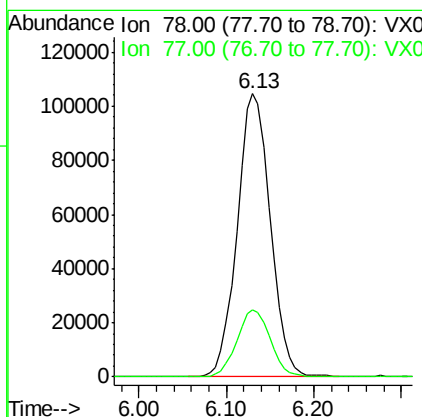
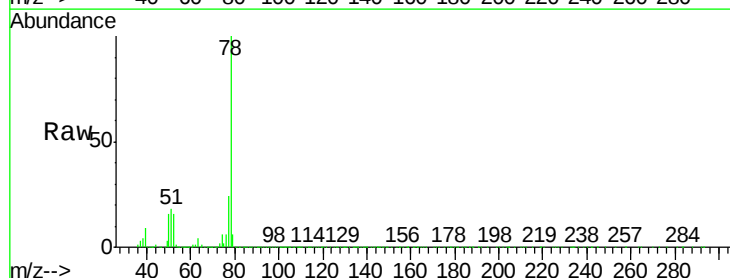
Manual Integrations
APPROVED

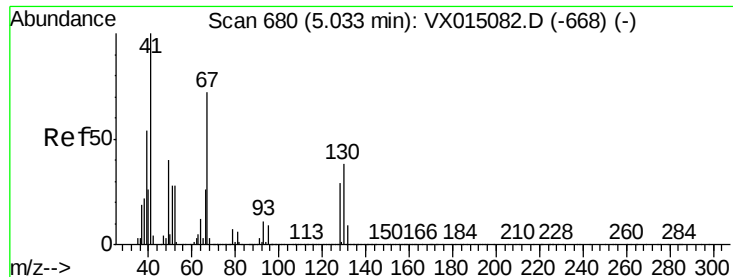
MMDadoda
3/12/2020 2:50:50 PM



#40
Benzene
Concen: 20.35 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





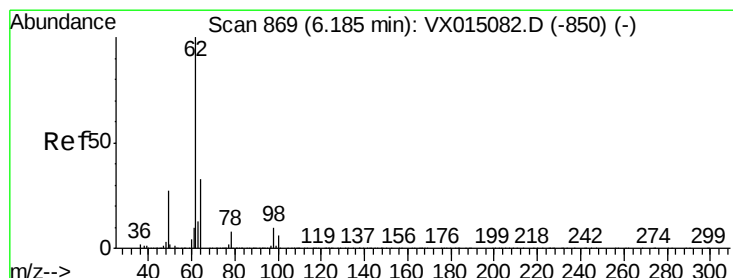
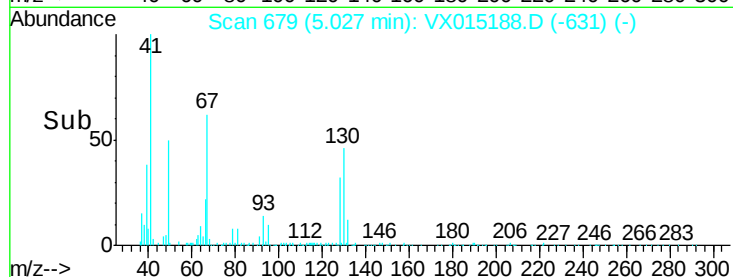
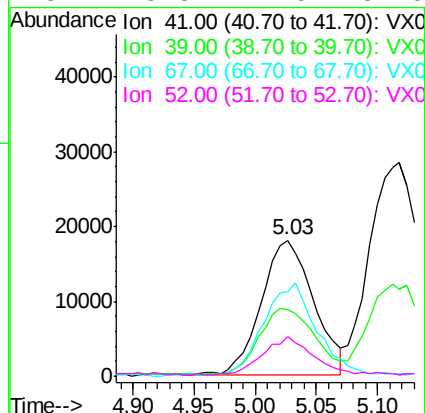
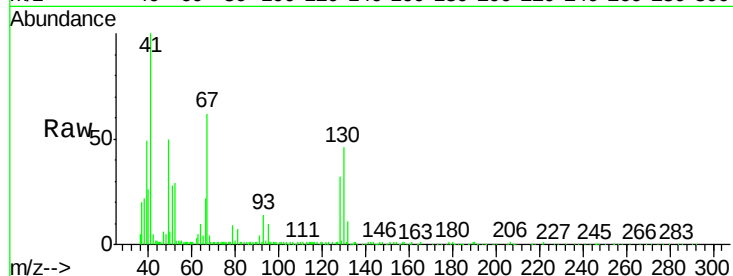
#41
Methacrylonitrile
Concen: 21.30 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.4	43.9	65.9
67	68.3	57.8	86.8
52	28.3	22.6	34.0

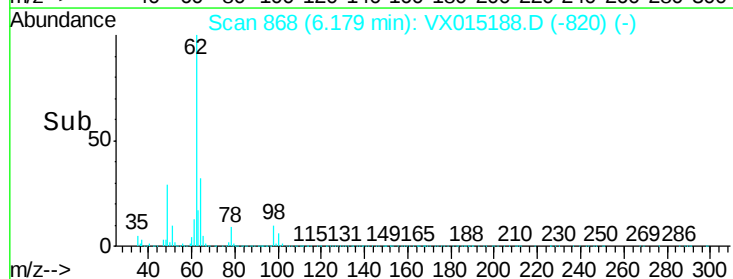
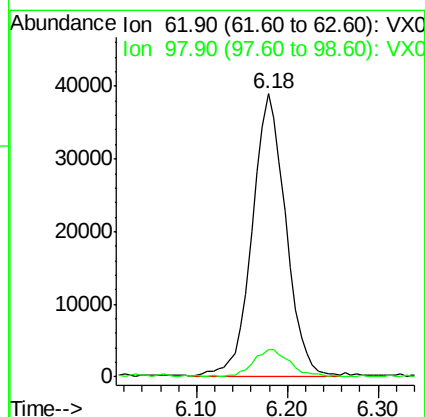
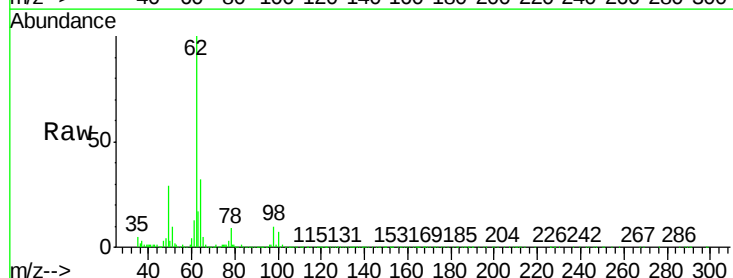
Manual Integrations
APPROVED

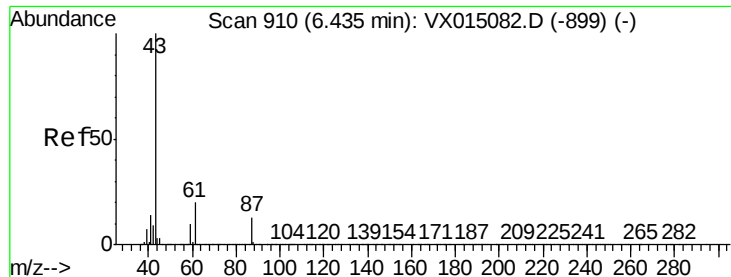
MMDadoda
3/12/2020 2:50:50 PM



#42
1,2-Dichloroethane
Concen: 21.81 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





#43

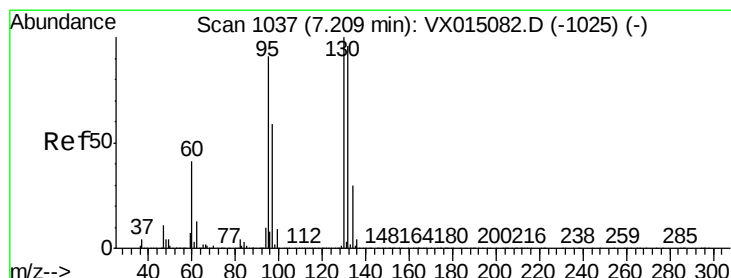
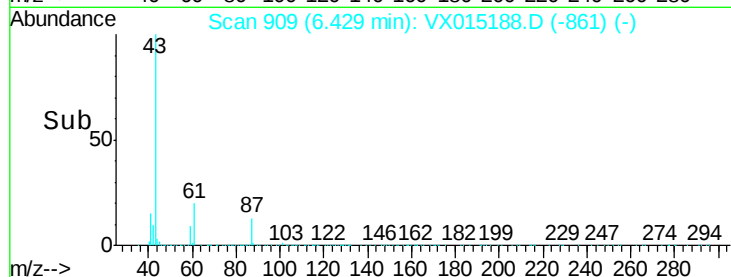
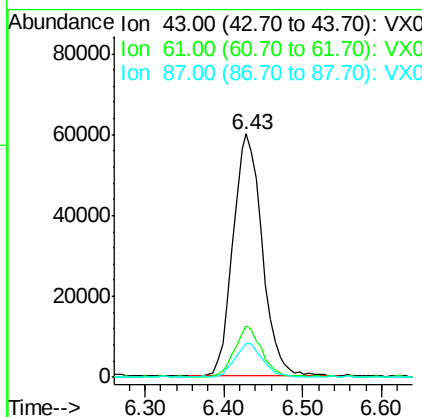
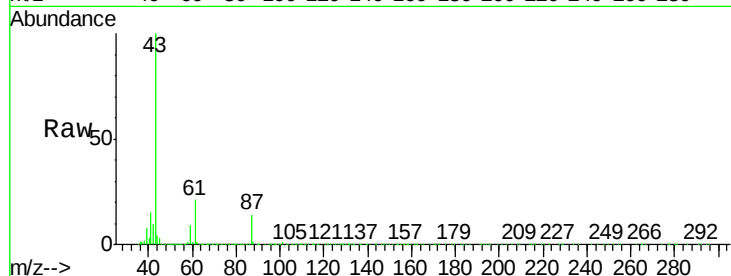
Isopropyl Acetate
Concen: 20.83 ug/l
RT: 6.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.4	16.1	24.1
87	13.1	10.6	16.0

Manual Integrations
APPROVED

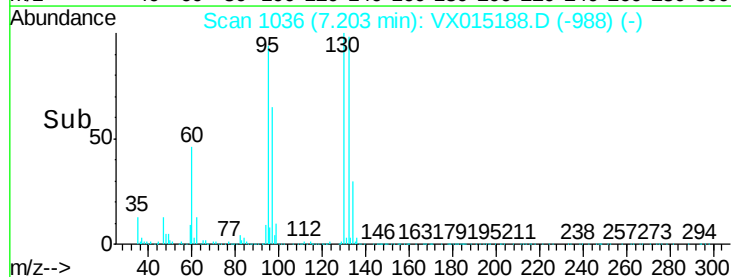
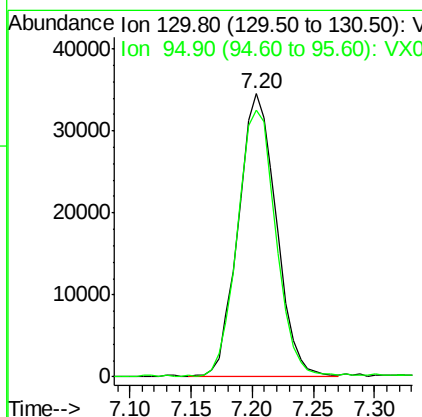
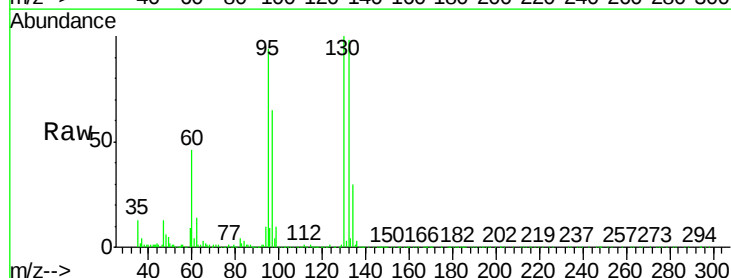
MMDadoda
3/12/2020 2:50:50 PM

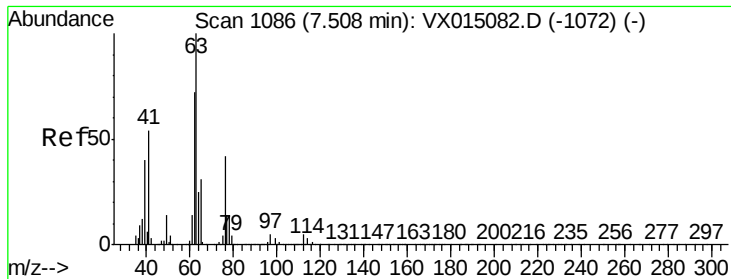


#44

Trichloroethene
Concen: 19.81 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.2





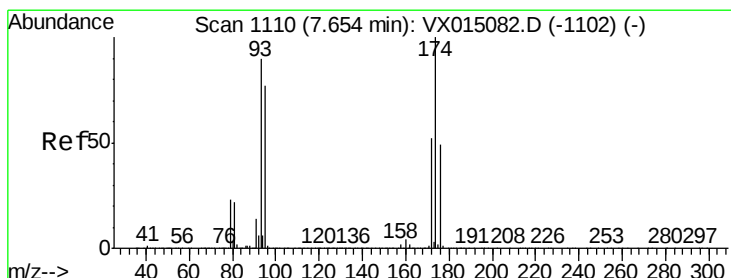
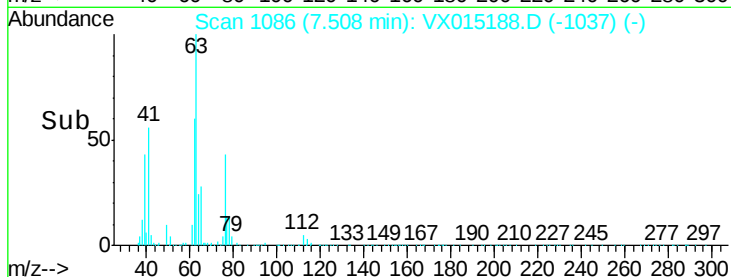
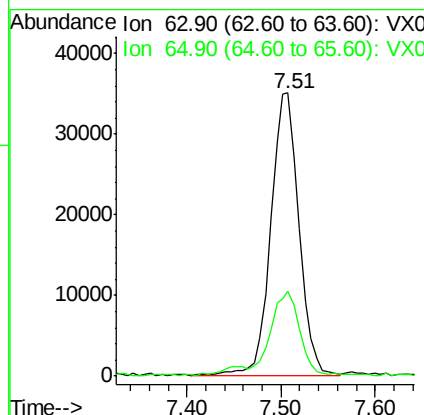
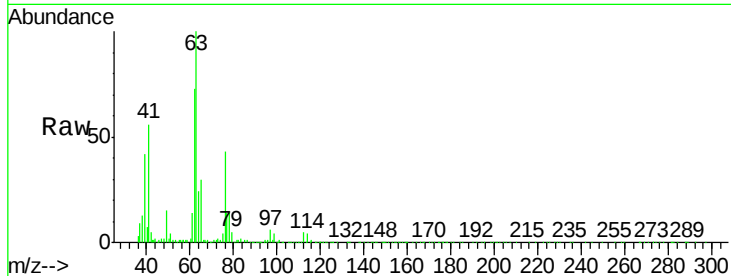
#45
 1,2-Dichloropropane
 Concen: 20.97 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Tgt Ion: 63 Resp: 73071
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.6 36.8

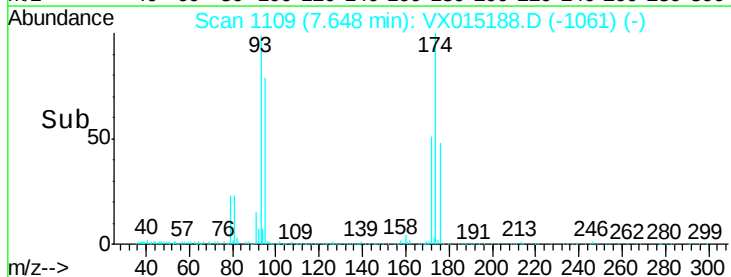
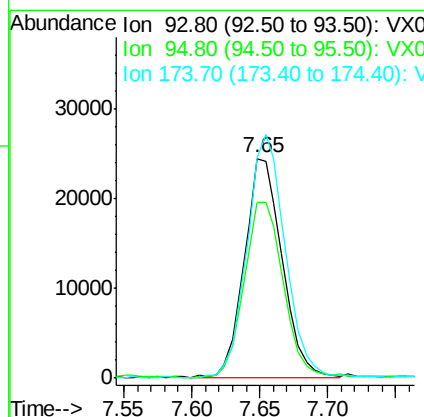
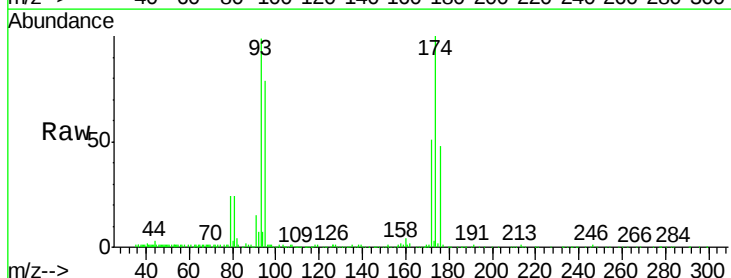
Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:50:50 PM



#46
 Dibromomethane
 Concen: 21.02 ug/l
 RT: 7.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion: 93 Resp: 47716
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.8 101.8
 174 112.9 91.0 136.4





#47

Bromodichloromethane

Concen: 20.71 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

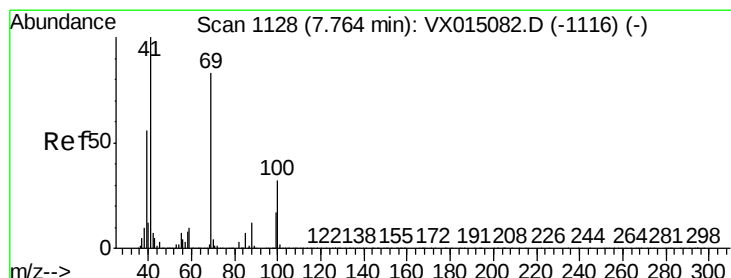
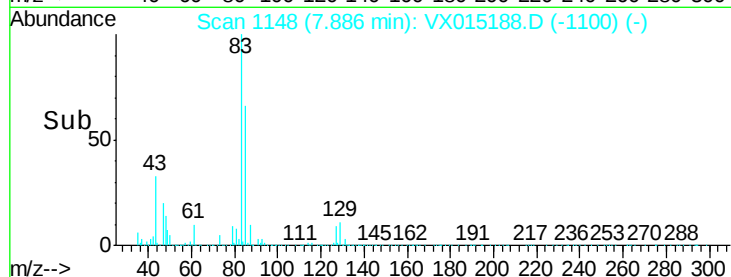
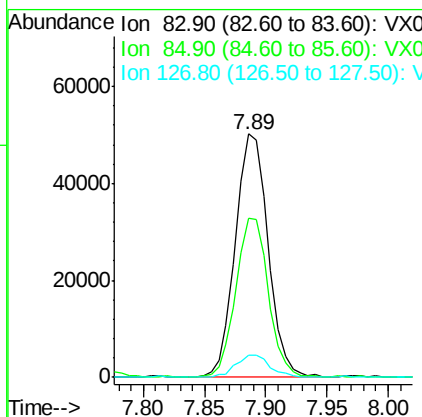
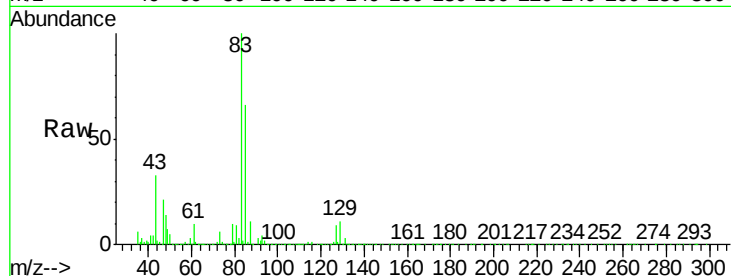
ClientSampleId :

VX0311WBSD01

Tgt Ion:	83	Resp:	92994
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	9.2	7.1	10.7

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#48

Methyl methacrylate

Concen: 19.94 ug/l

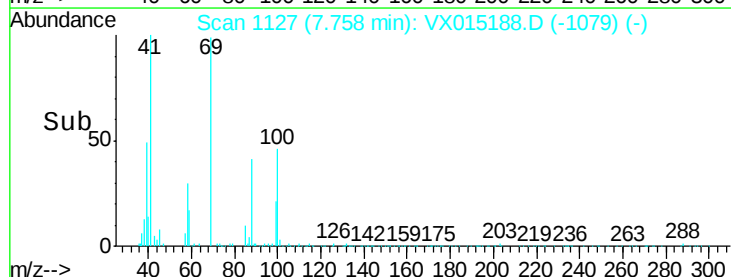
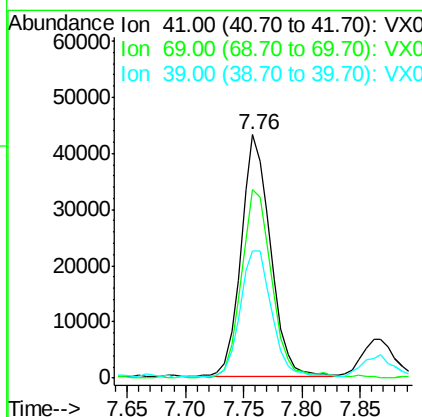
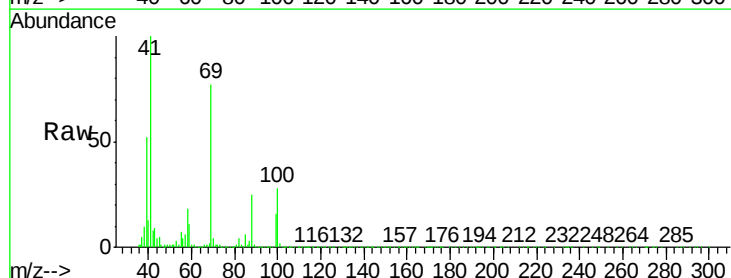
RT: 7.76 min Scan# 1127

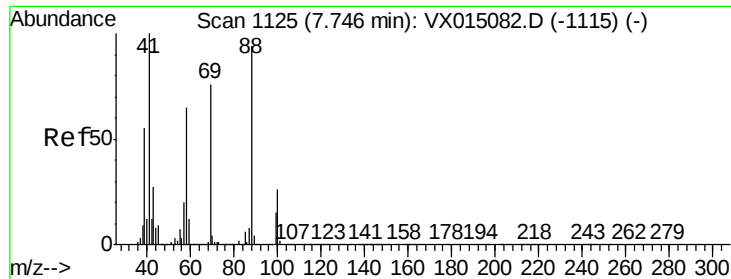
Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	41	Resp:	75130
Ion Ratio	Lower	Upper	
41	100		
69	81.8	65.4	98.2
39	56.3	44.6	67.0





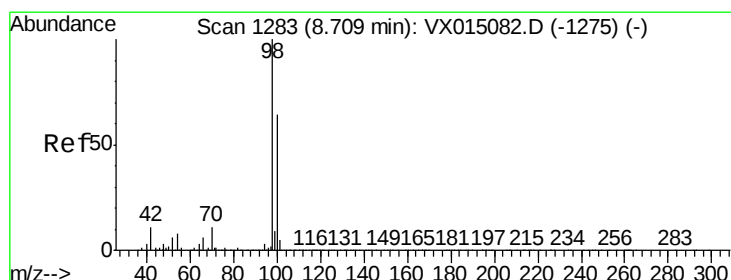
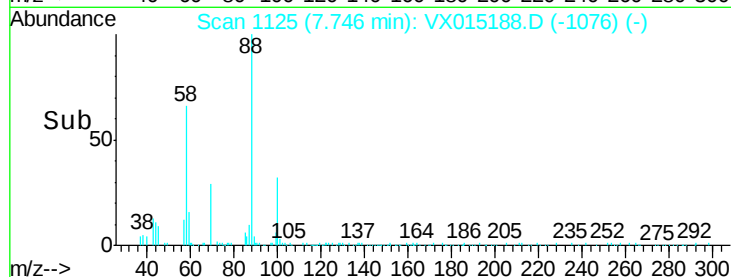
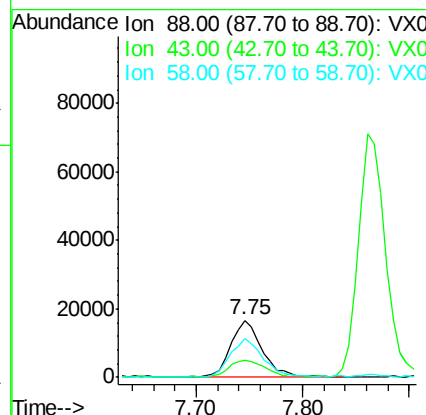
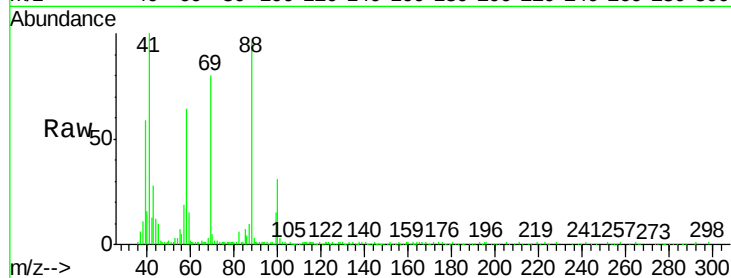
#49
1,4-Dioxane
Concen: 411.26 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.5	27.0	40.4
58	74.3	55.6	83.4

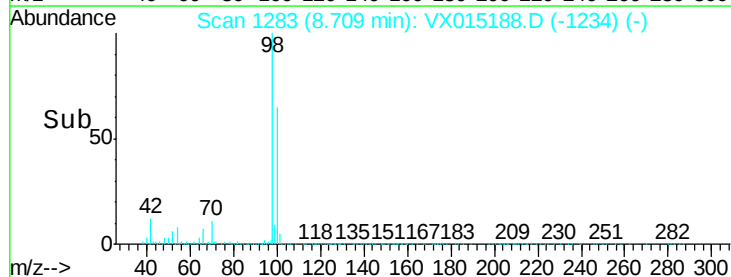
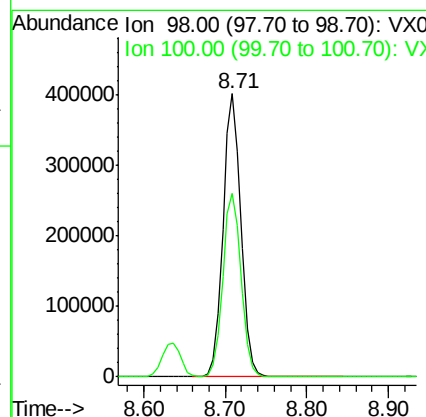
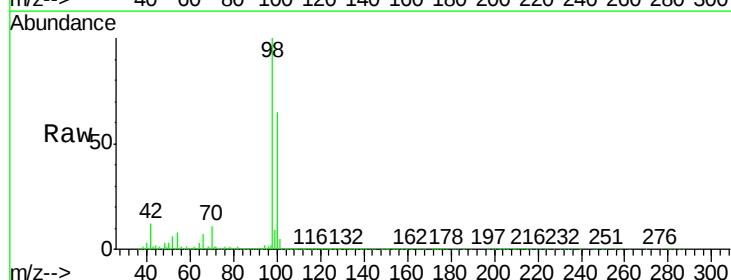
Manual Integrations
APPROVED

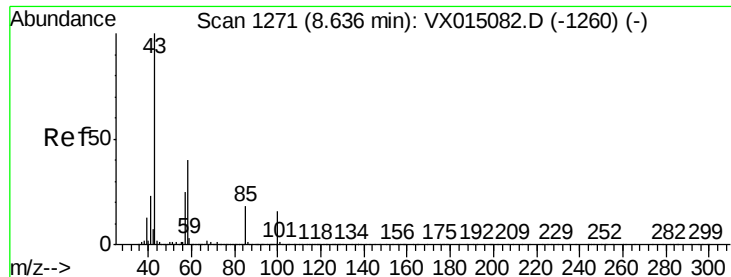
MMDadoda
3/12/2020 2:50:50 PM



#50
Toluene-d8
Concen: 52.06 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.4	78.6





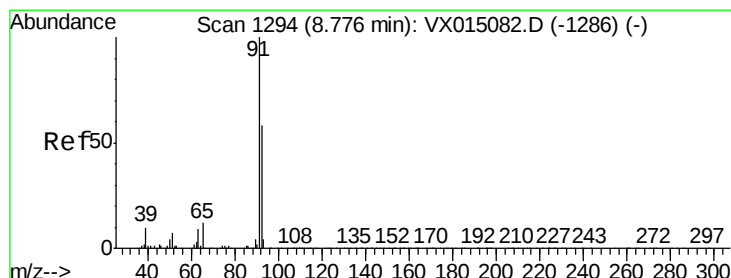
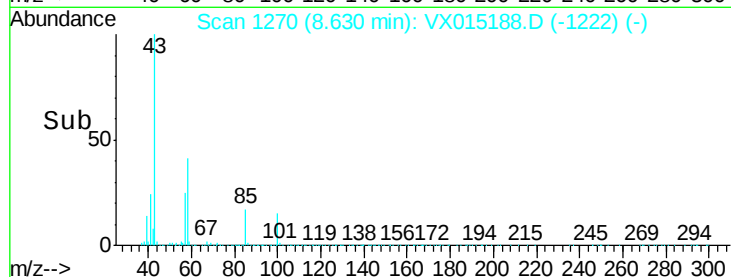
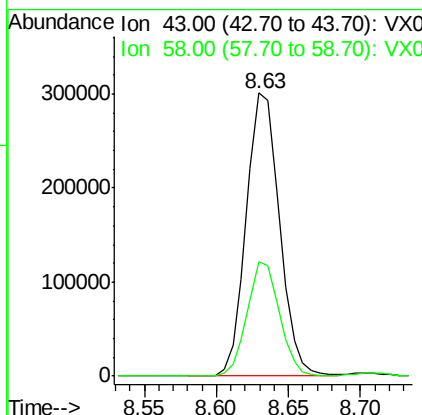
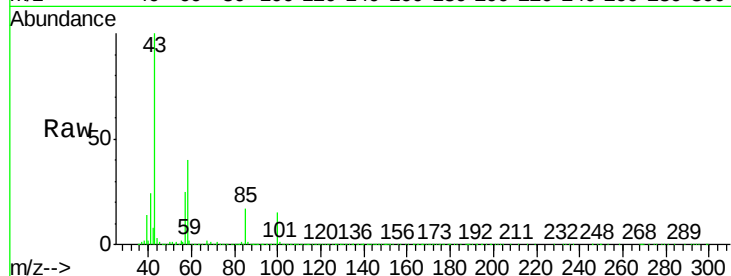
#51
4-Methyl-2-Pentanone
Concen: 109.55 ug/l
RT: 8.63 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.6	47.4

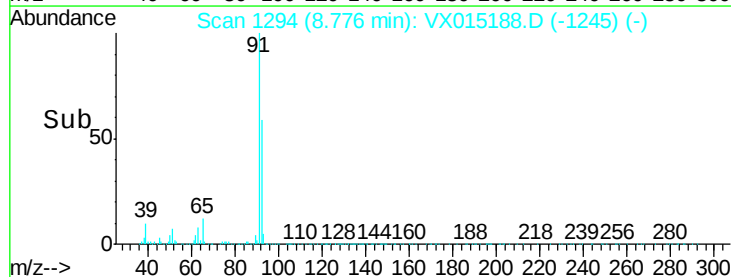
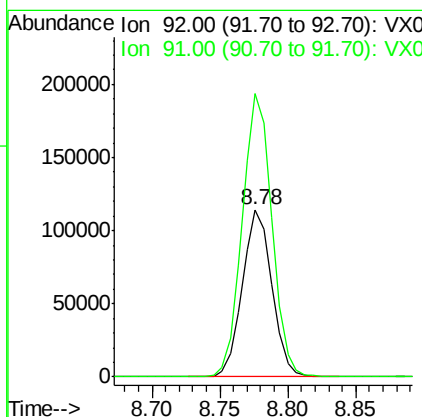
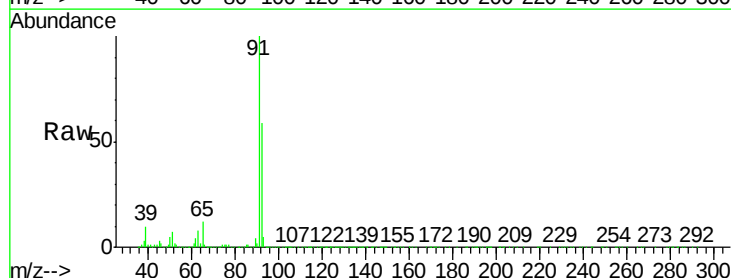
Manual Integrations
APPROVED

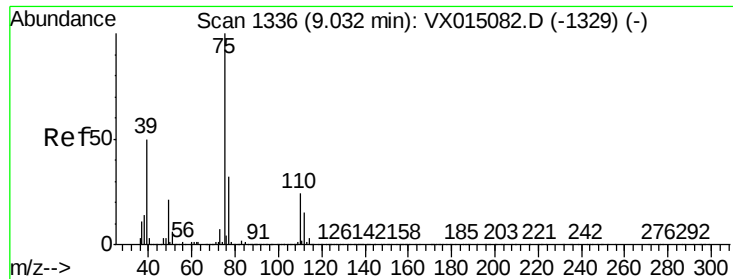
MMDadoda
3/12/2020 2:50:50 PM



#52
Toluene
Concen: 21.02 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.9	205.3





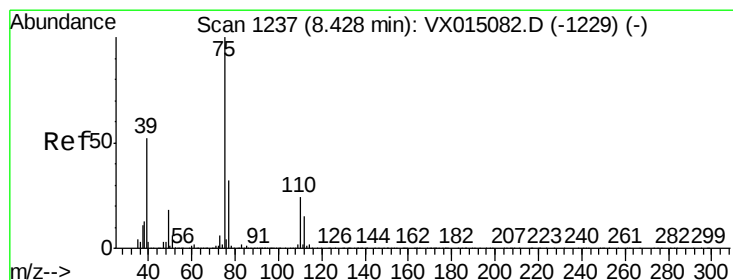
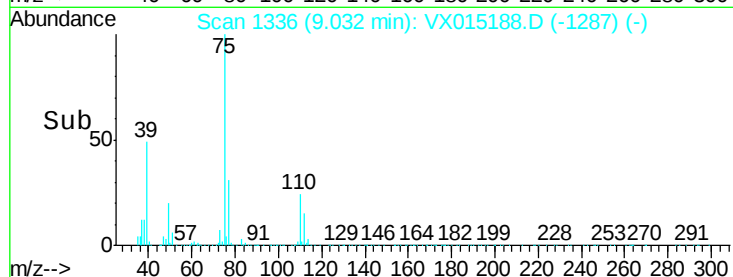
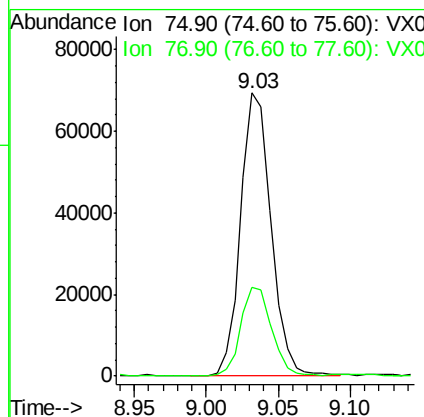
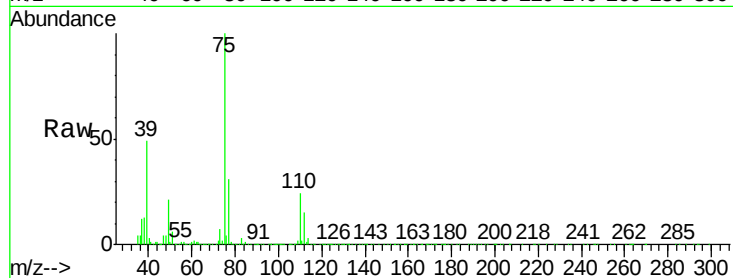
#53
t-1,3-Dichloropropene
Concen: 21.28 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 75 Resp: 101707
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

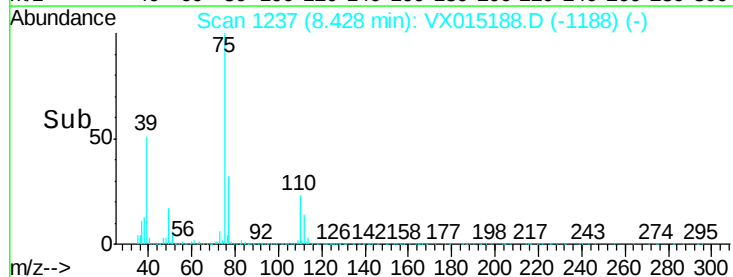
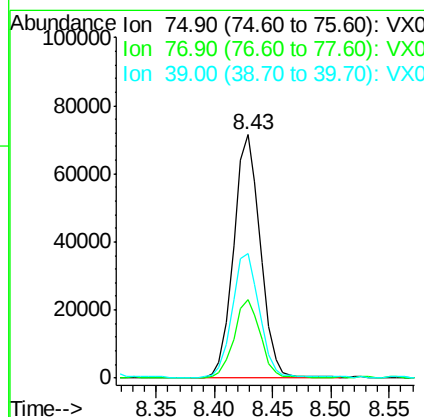
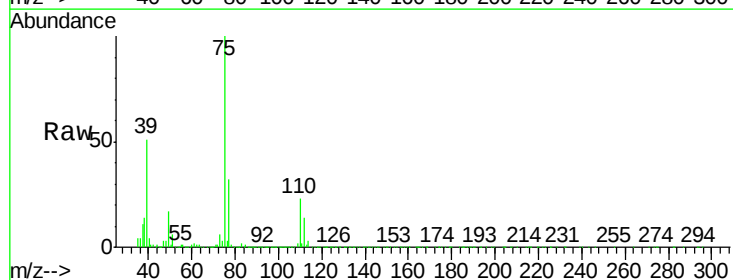
Manual Integrations
APPROVED

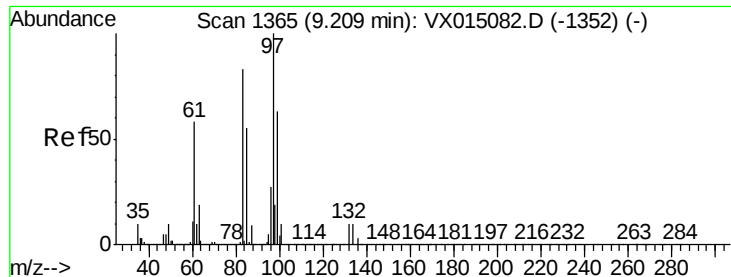
MMDadoda
3/12/2020 2:50:50 PM



#54
cis-1,3-Dichloropropene
Concen: 21.09 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion: 75 Resp: 113973
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
39 50.7 41.3 61.9





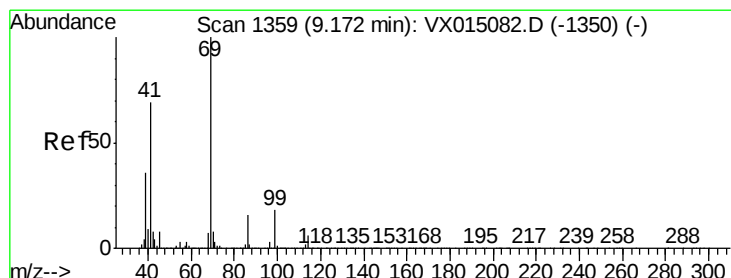
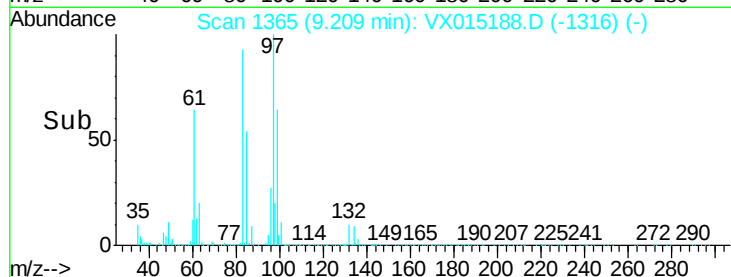
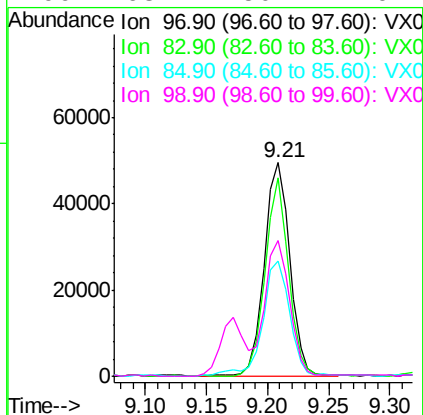
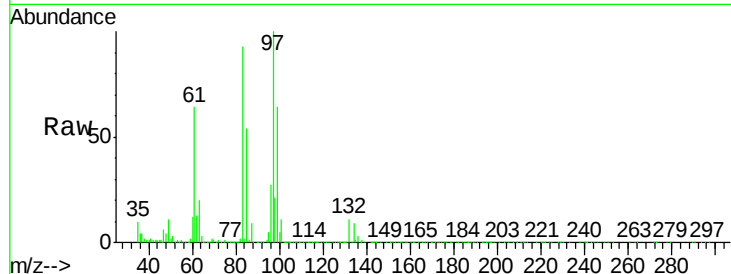
#55
 1,1,2-Trichloroethane
 Concen: 21.23 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.8	66.4	99.6
85	53.7	43.5	65.3
99	63.7	50.7	76.1

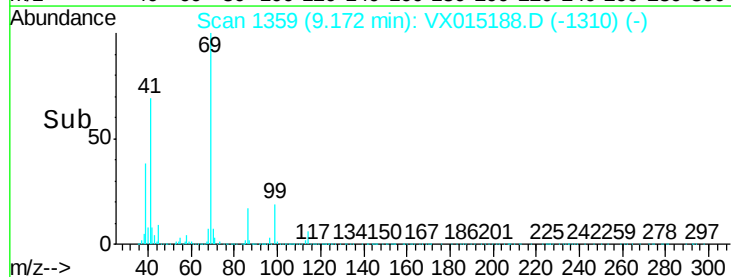
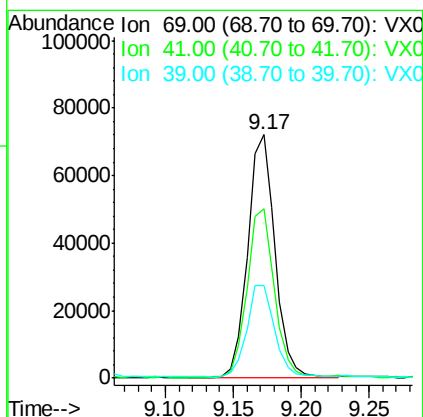
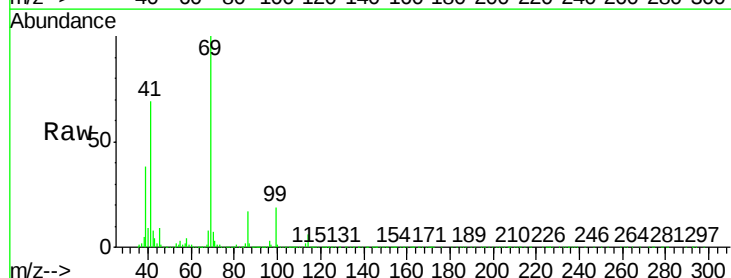
Manual Integrations
 APPROVED

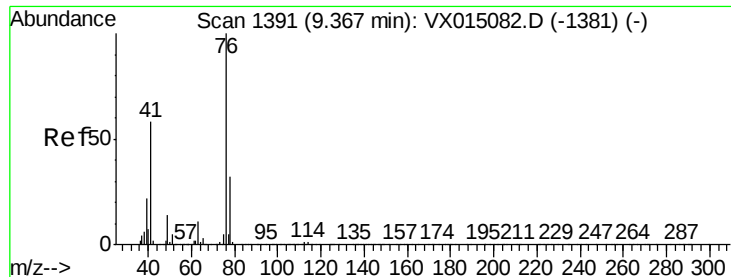
MMDadoda
 3/12/2020 2:50:50 PM



#56
 Ethyl methacrylate
 Concen: 20.87 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.8	83.8
39	38.9	29.4	44.2





#57

1,3-Dichloropropane

Concen: 21.59 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 76 Resp: 123085

Ion Ratio Lower Upper

76 100

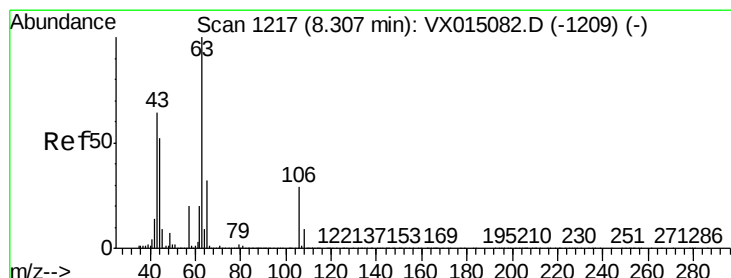
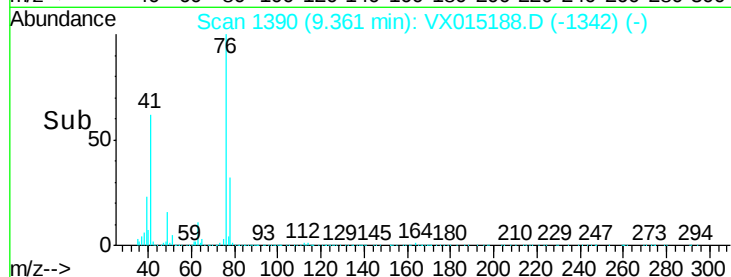
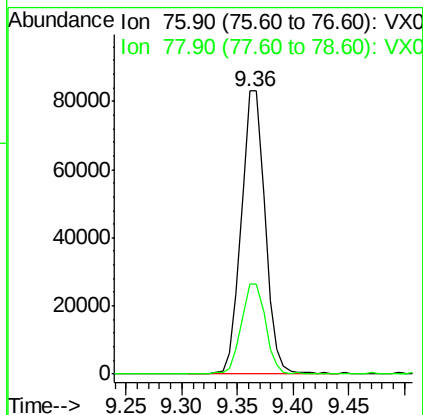
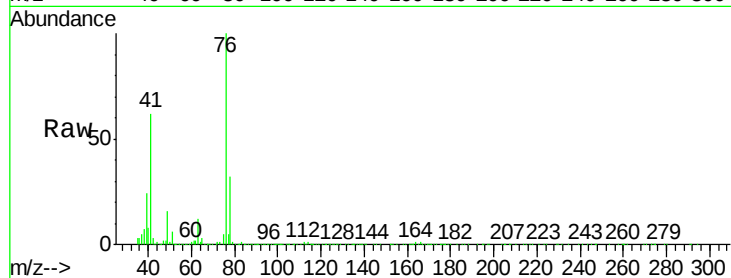
78 32.9 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

3/12/2020 2:50:50 PM



#58

2-Chloroethyl Vinyl ether

Concen: 107.27 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015188.D

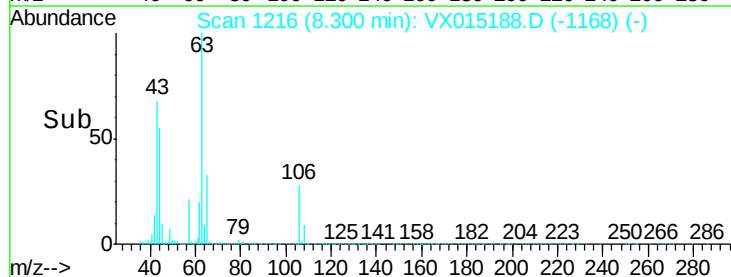
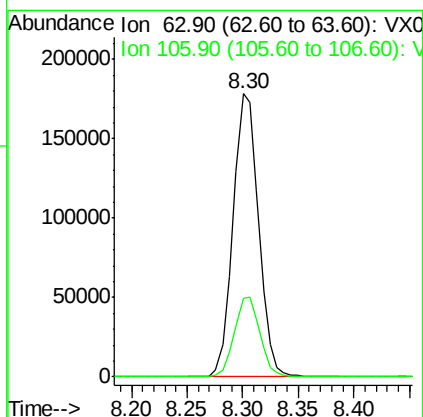
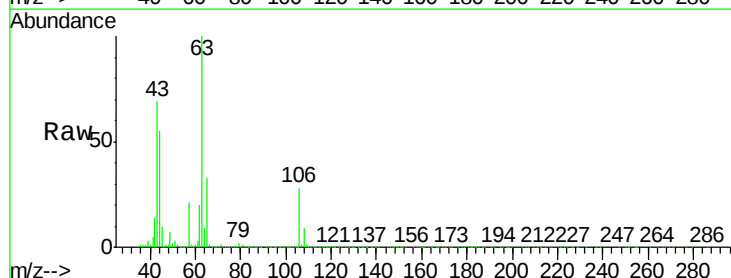
Acq: 11 Mar 2020 10:30

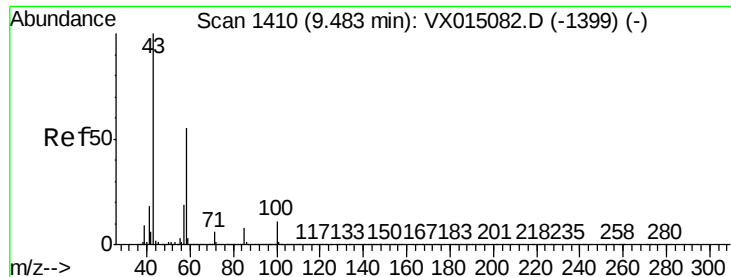
Tgt Ion: 63 Resp: 282409

Ion Ratio Lower Upper

63 100

106 28.2 22.8 34.2





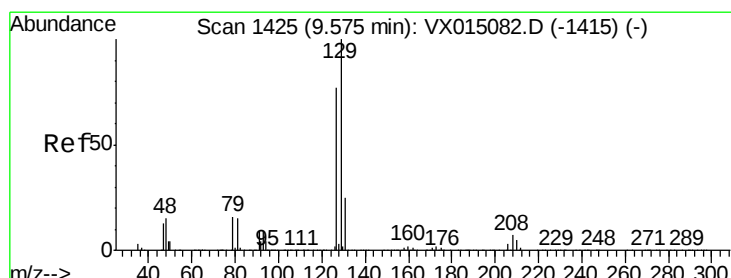
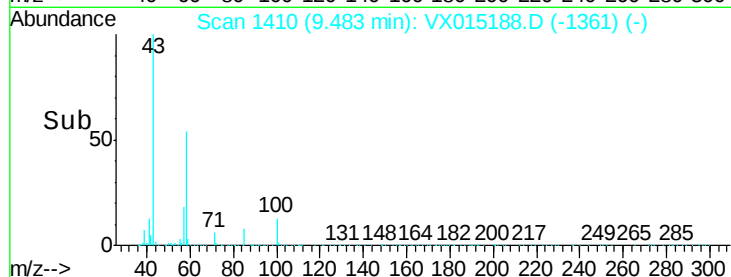
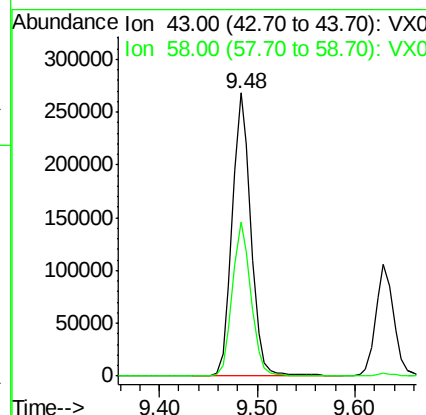
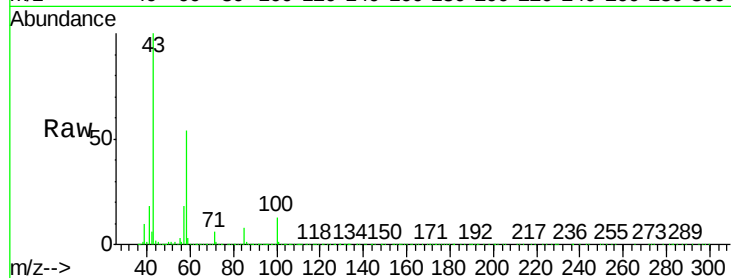
#59
2-Hexanone
Concen: 109.81 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 356322
Ion Ratio Lower Upper
43 100
58 54.3 27.3 81.8

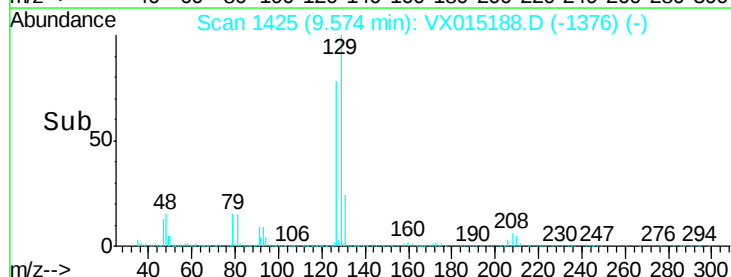
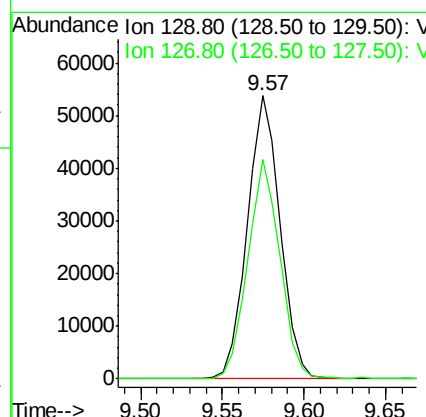
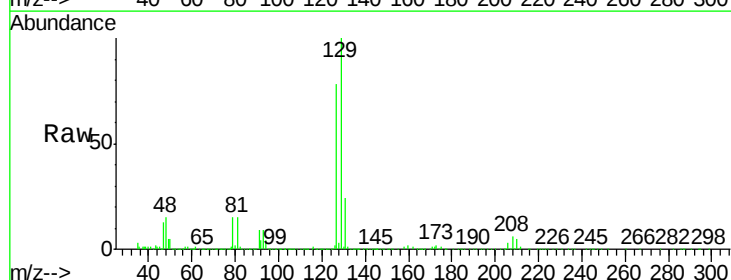
Manual Integrations
APPROVED

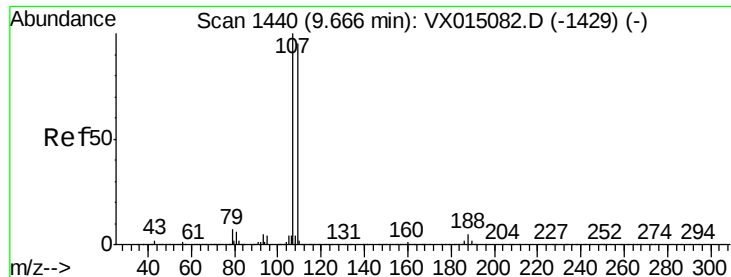
MMDadoda
3/12/2020 2:50:50 PM



#60
Dibromochloromethane
Concen: 21.23 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion: 129 Resp: 75565
Ion Ratio Lower Upper
129 100
127 76.1 38.8 116.3





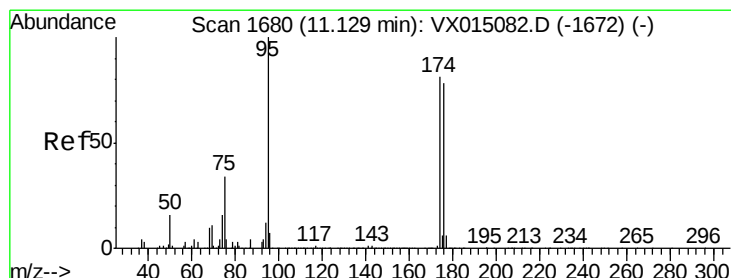
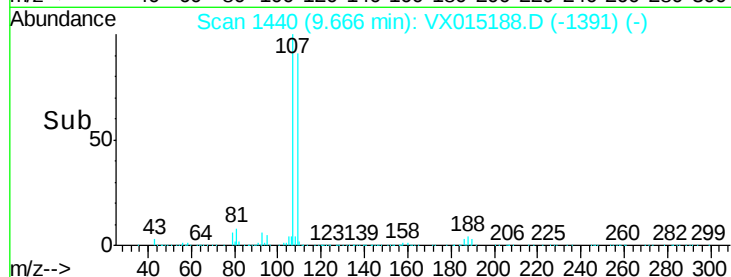
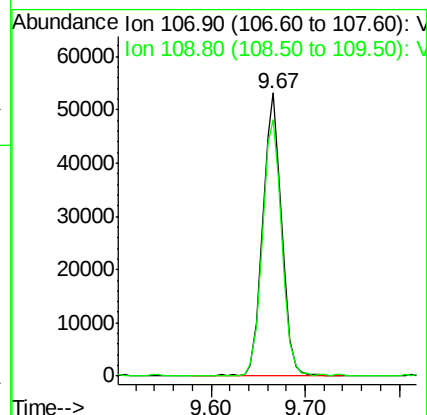
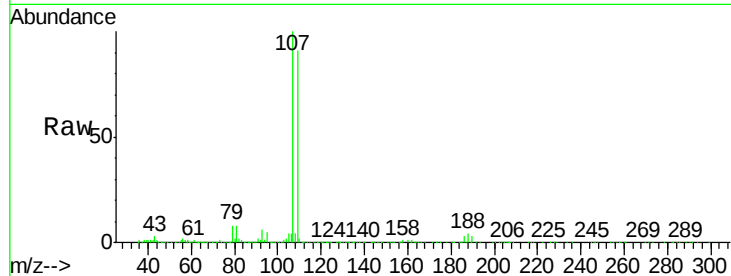
#61
 1,2-Dibromoethane
 Concen: 21.31 ug/l
 RT: 9.67 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Tgt Ion: 107 Resp: 75826
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.6 113.4

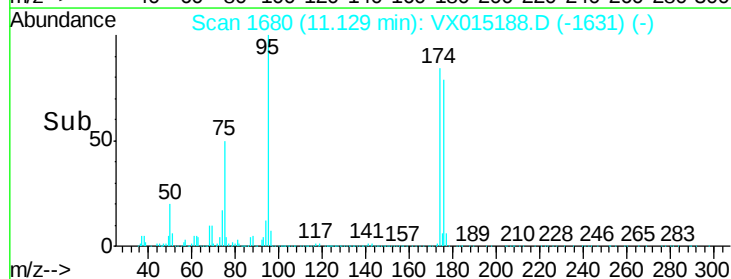
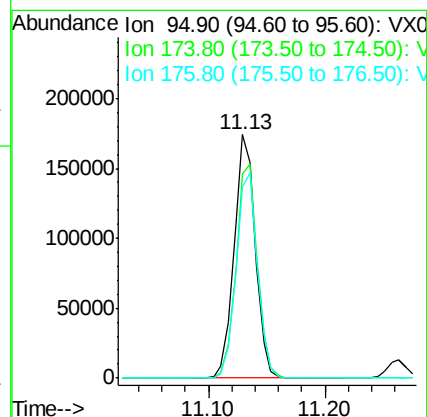
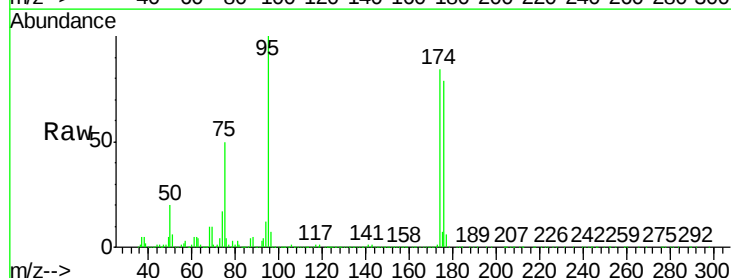
Manual Integrations
 APPROVED

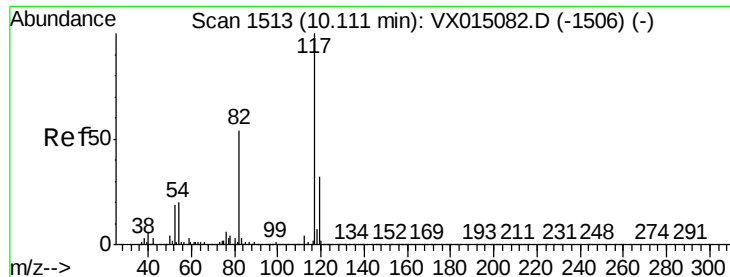
MMDadoda
 3/12/2020 2:50:50 PM



#62
 4-Bromofluorobenzene
 Concen: 52.23 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion: 95 Resp: 219429
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 177.6
 176 85.7 0.0 170.2





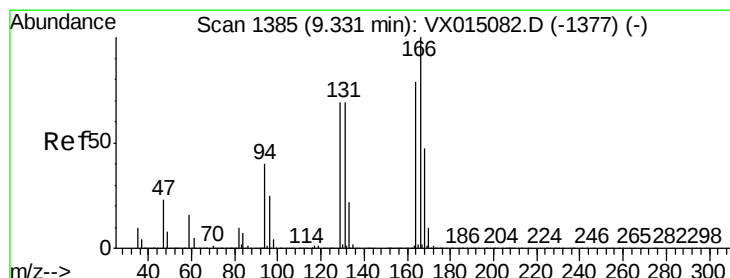
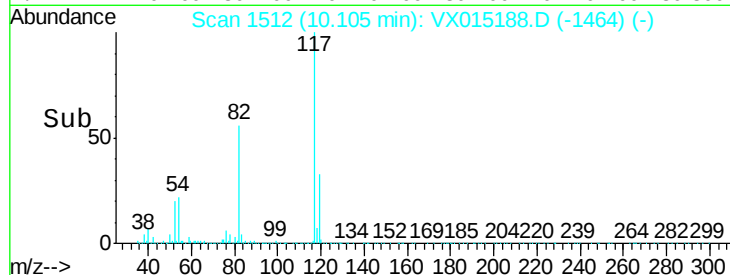
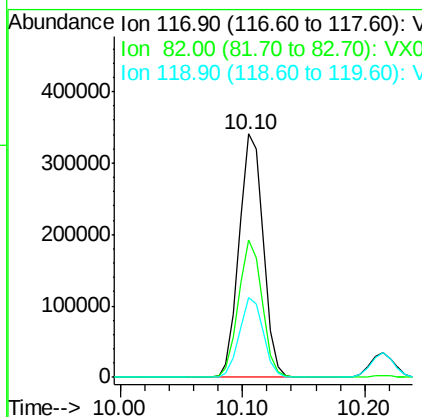
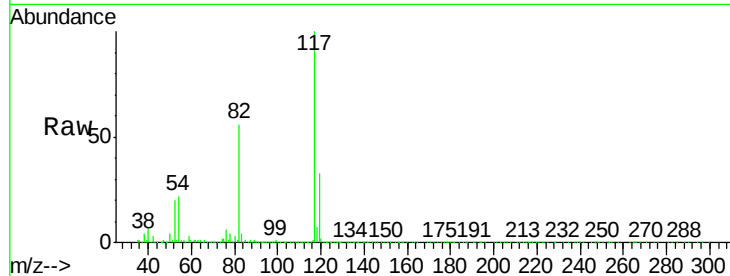
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	56.3	43.3	64.9
119	32.8	25.8	38.8

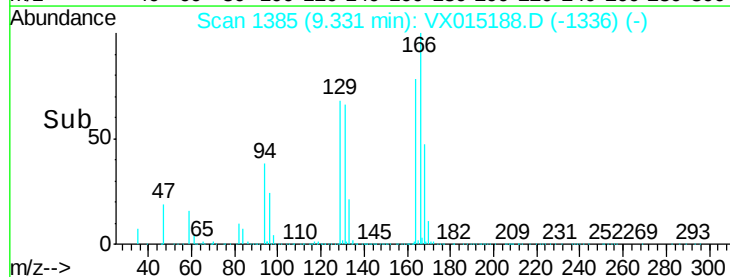
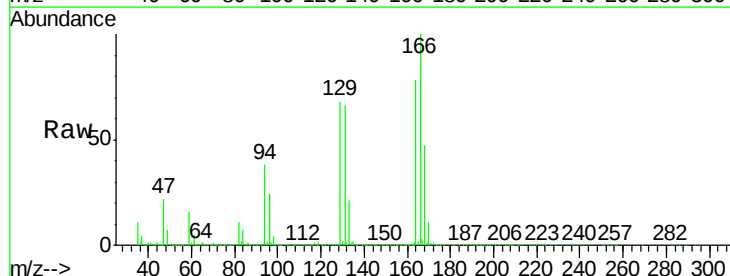
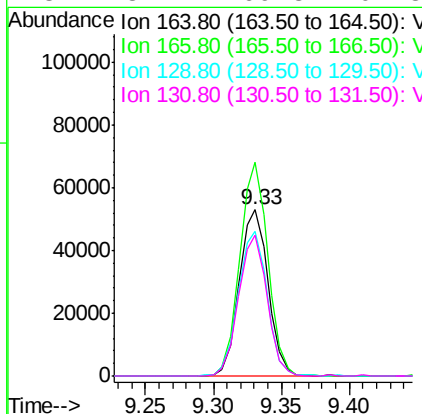
Manual Integrations
APPROVED

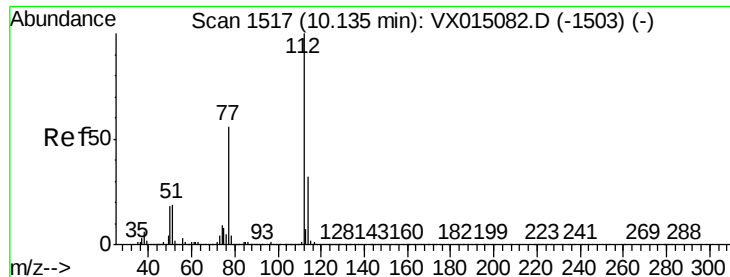
MMDadoda
3/12/2020 2:50:50 PM



#64
Tetrachloroethene
Concen: 20.52 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	128.7	101.1	151.7
129	87.1	69.4	104.0
131	84.7	69.8	104.8





#65

Chlorobenzene

Concen: 20.24 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion:112 Resp: 187153

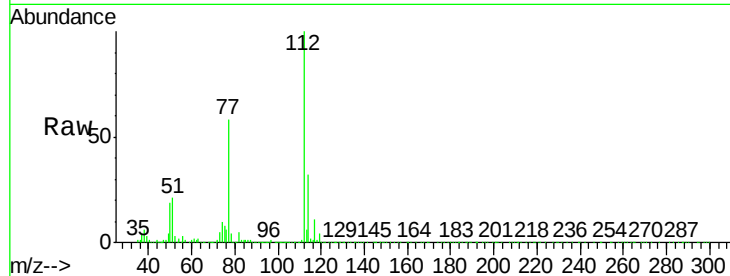
Ion Ratio Lower Upper

112 100

114 31.8 25.5 38.3

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.13

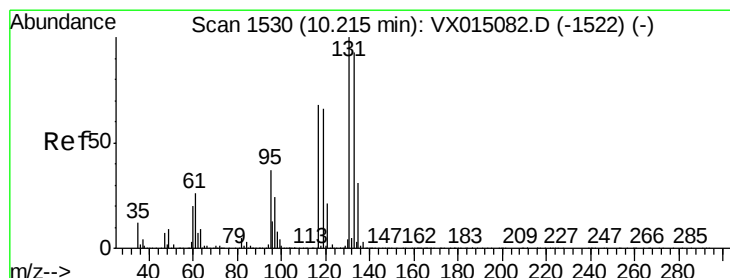
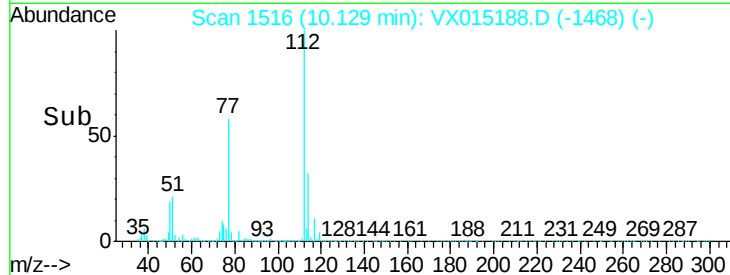
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

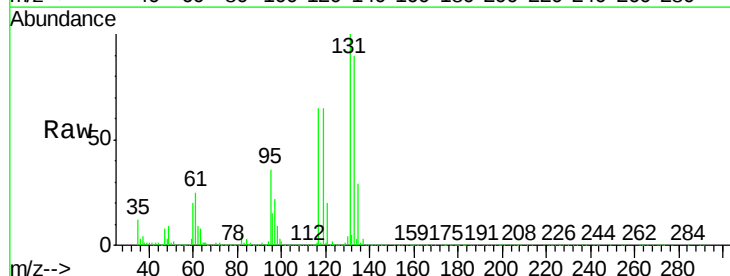
Tgt Ion:131 Resp: 69715

Ion Ratio Lower Upper

131 100

133 95.8 47.5 142.5

119 65.5 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

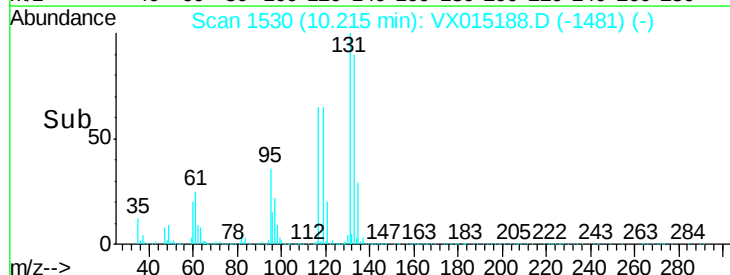
10.21

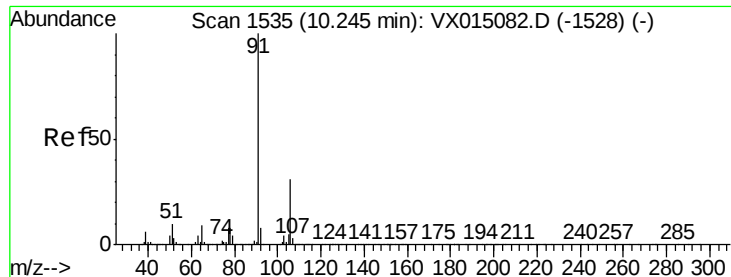
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.36 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 91 Resp: 319642

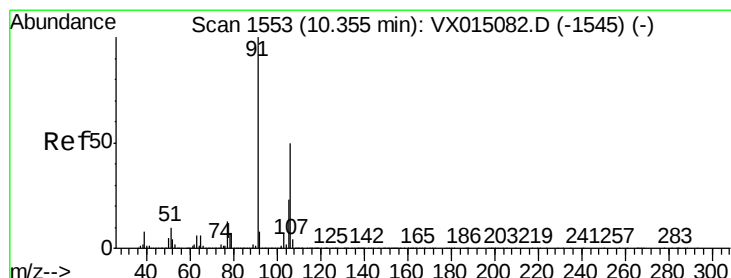
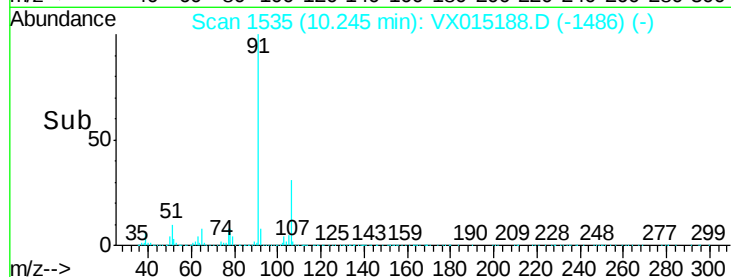
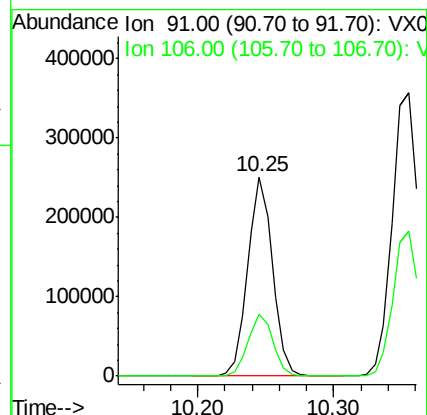
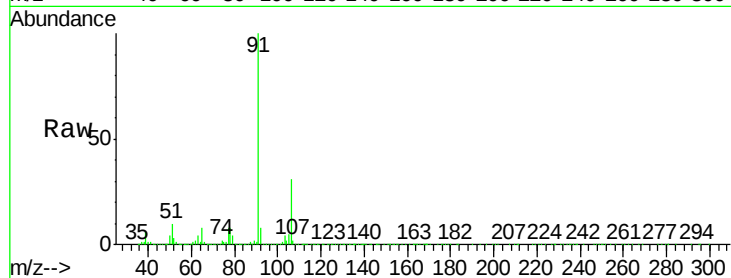
Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#68

m/p-Xylenes

Concen: 41.25 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX015188.D

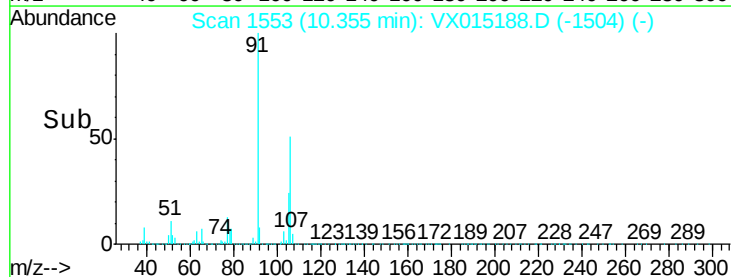
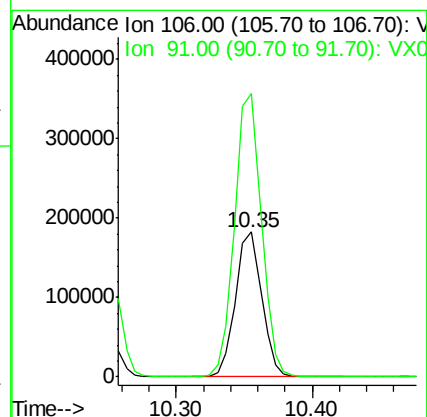
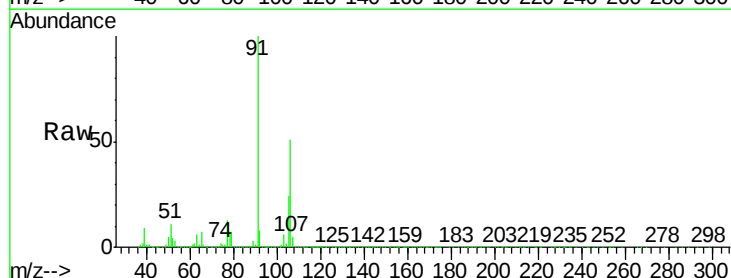
Acq: 11 Mar 2020 10:30

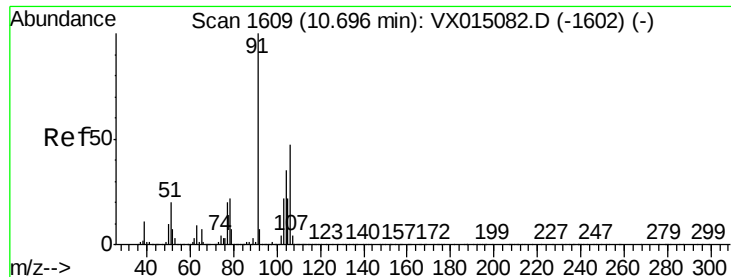
Tgt Ion: 106 Resp: 246469

Ion Ratio Lower Upper

106 100

91 200.2 159.4 239.2





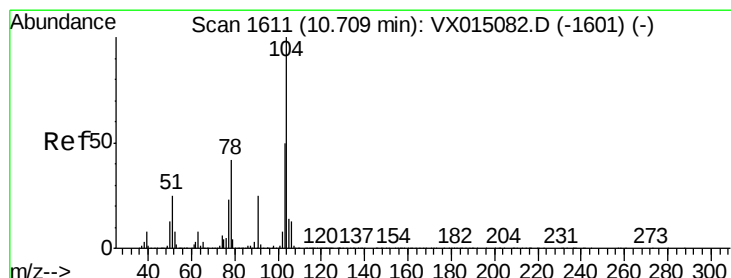
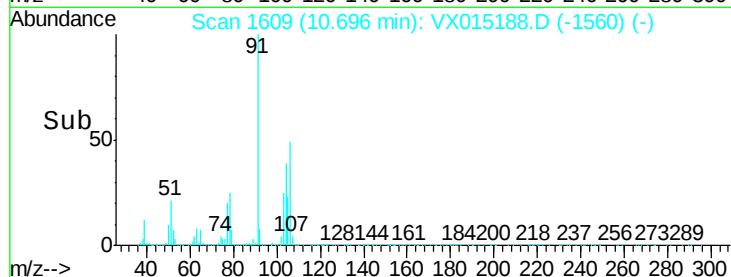
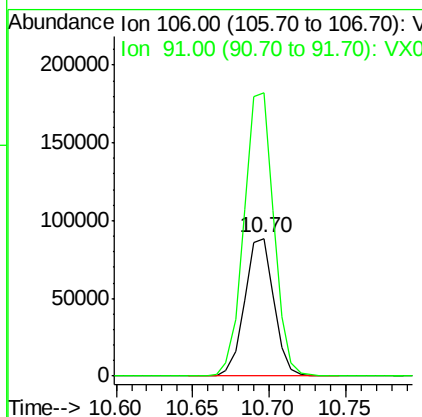
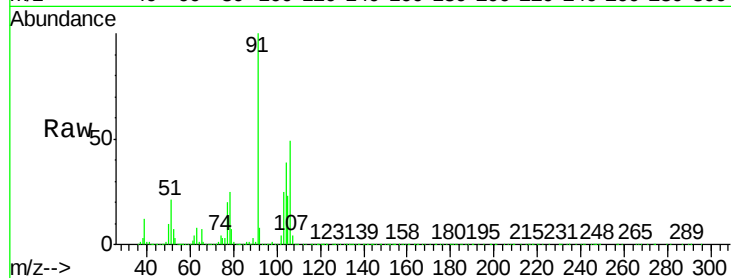
#69
o-Xylene
Concen: 20.47 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:106 Resp: 117115
Ion Ratio Lower Upper
106 100
91 209.6 105.4 316.1

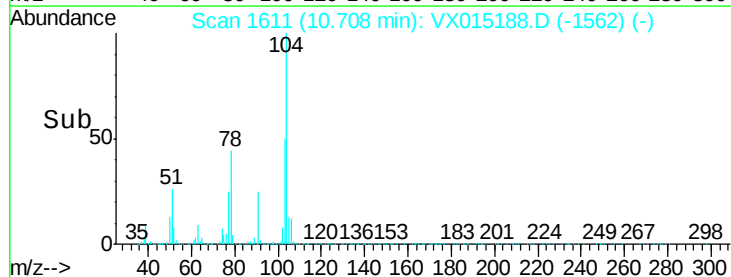
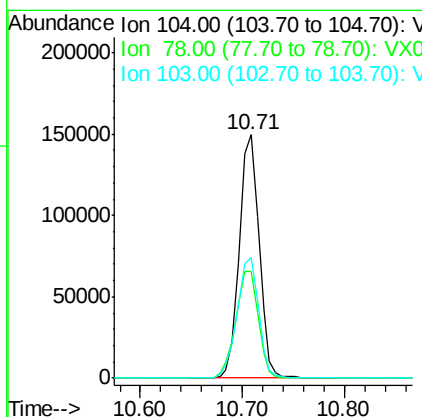
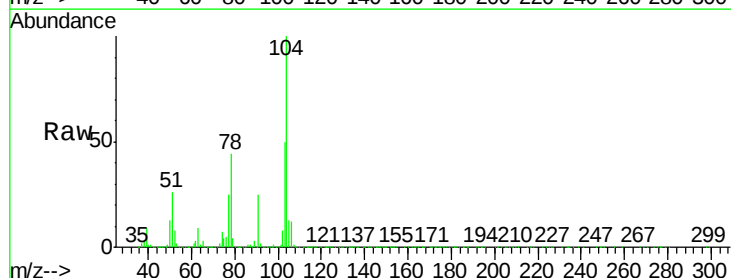
Manual Integrations
APPROVED

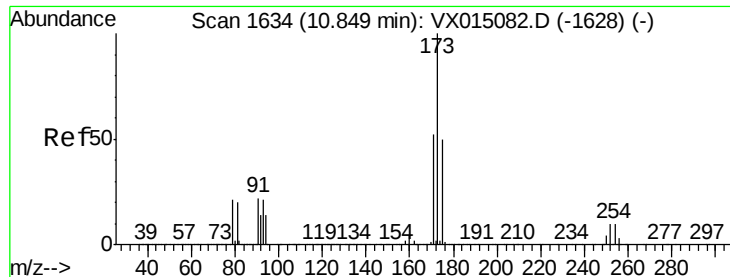
MMDadoda
3/12/2020 2:50:50 PM



#70
Styrene
Concen: 20.39 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion:104 Resp: 200008
Ion Ratio Lower Upper
104 100
78 50.5 39.0 58.4
103 53.8 43.7 65.5





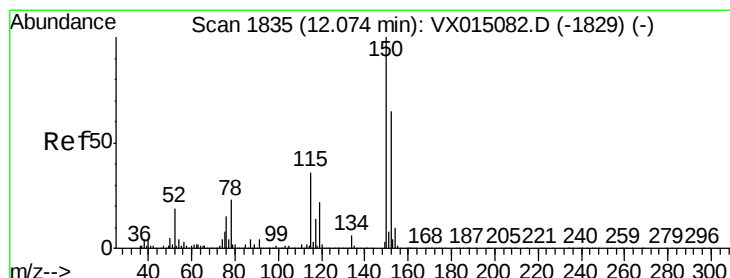
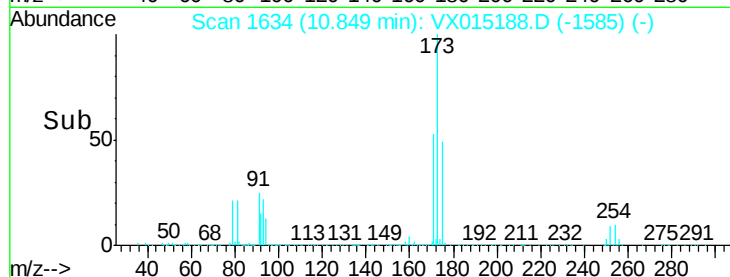
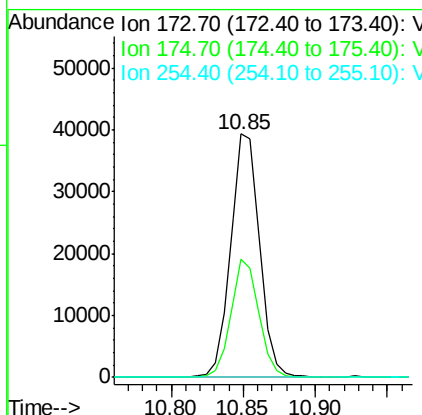
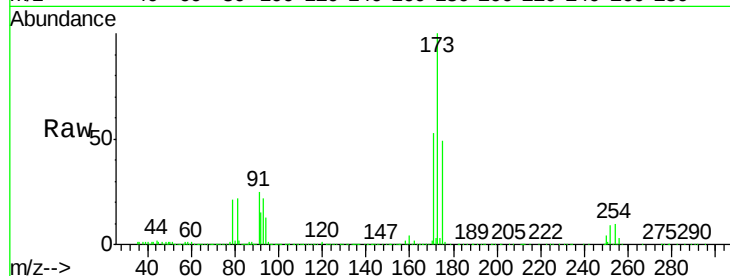
#71
Bromoform
Concen: 20.33 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.9	74.7
254	0.2	0.2	0.2

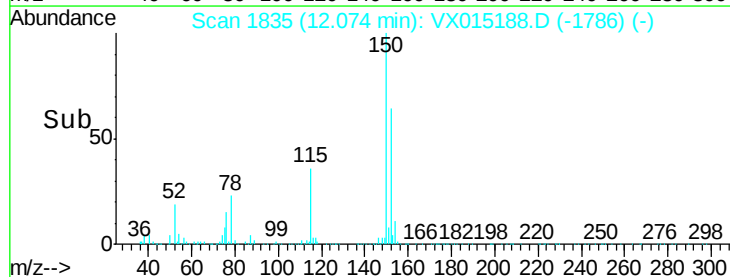
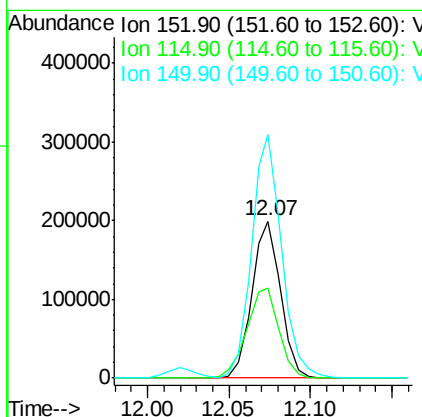
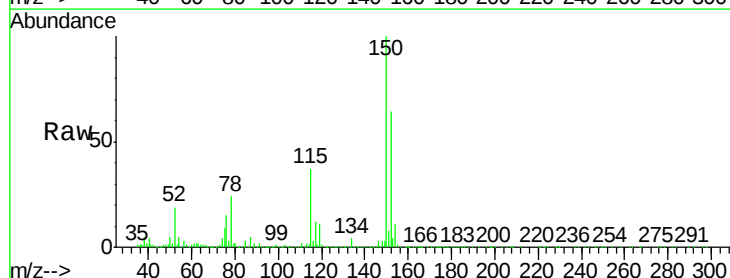
Manual Integrations
APPROVED

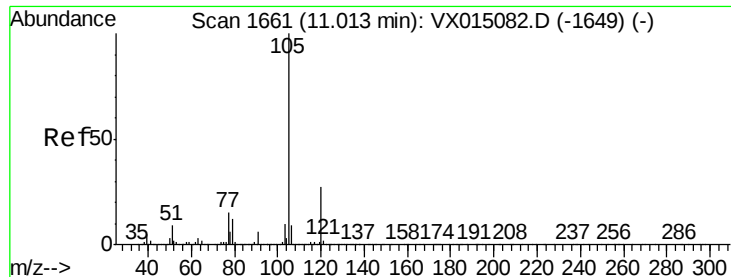
MMDadoda
3/12/2020 2:50:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	38.2	114.6
150	163.1	0.0	343.8





#73

Isopropylbenzene

Concen: 20.46 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 105 Resp: 315289

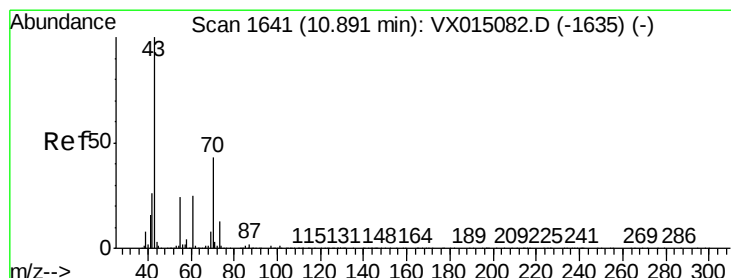
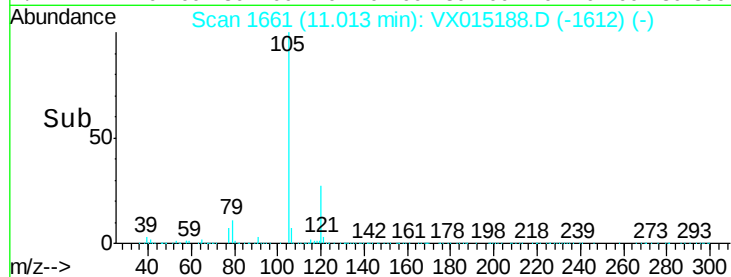
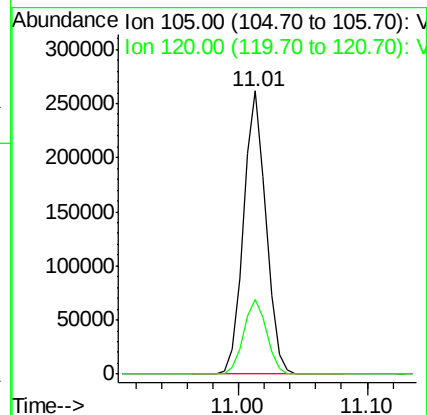
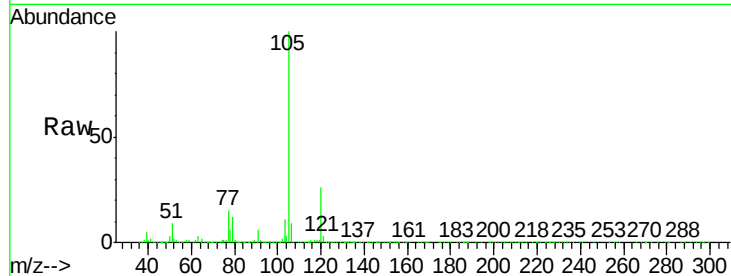
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#74

N-ethyl acetate

Concen: 19.67 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion: 43 Resp: 127738

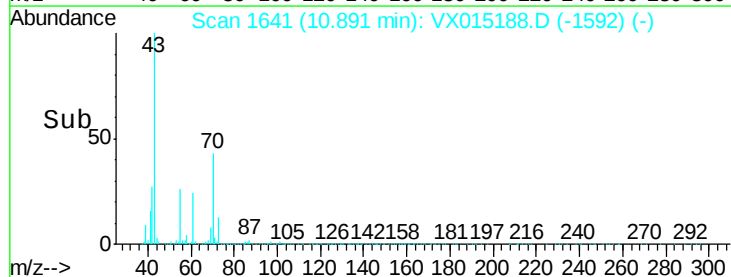
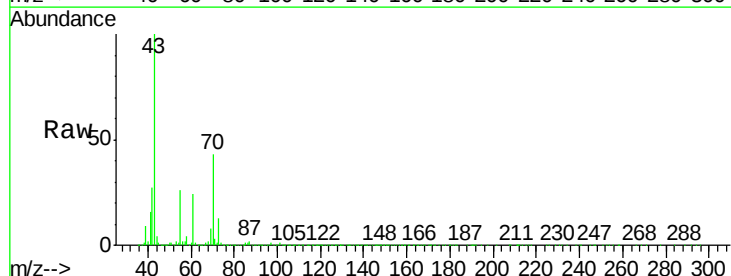
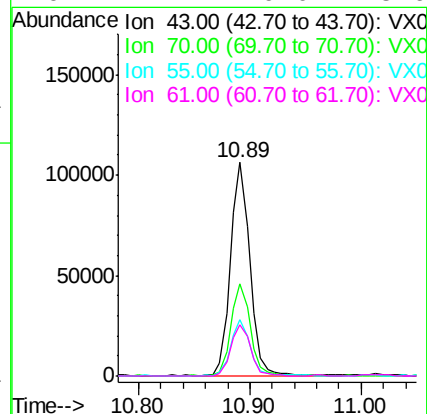
Ion Ratio Lower Upper

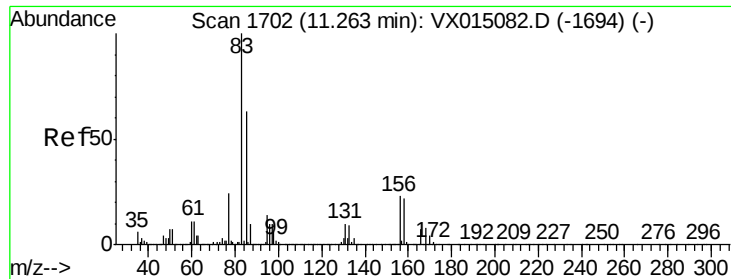
43 100

70 43.0 34.7 52.1

55 26.5 19.4 29.0

61 24.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.47 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

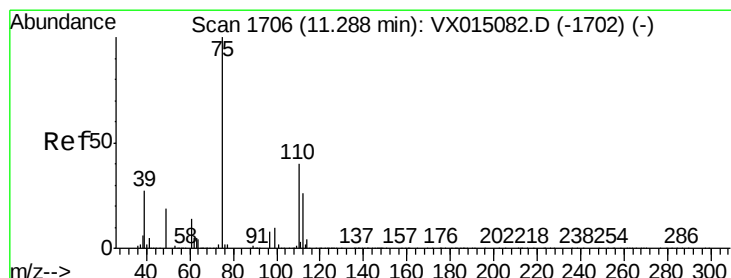
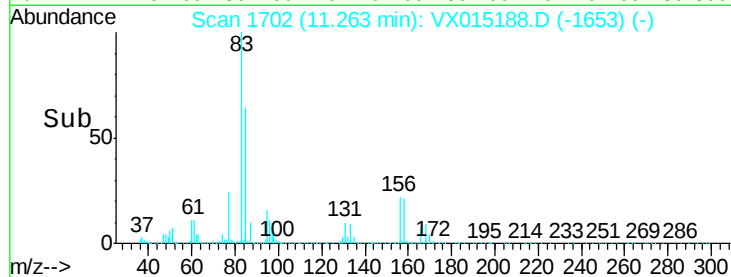
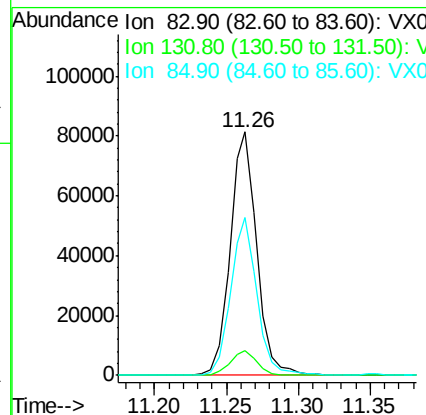
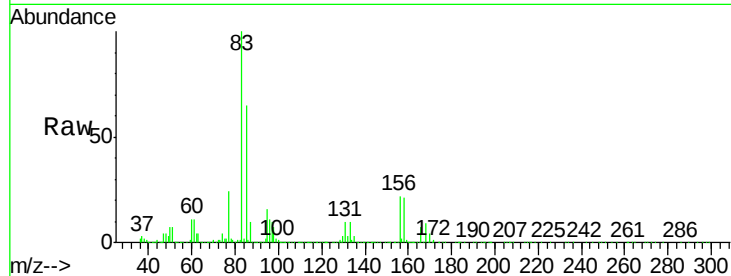
ClientSampleId :

VX0311WBSD01

Tgt Ion:	83	Resp:	105116
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	63.6	31.9	95.9

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#76

1,2,3-Trichloropropane

Concen: 18.12 ug/l m

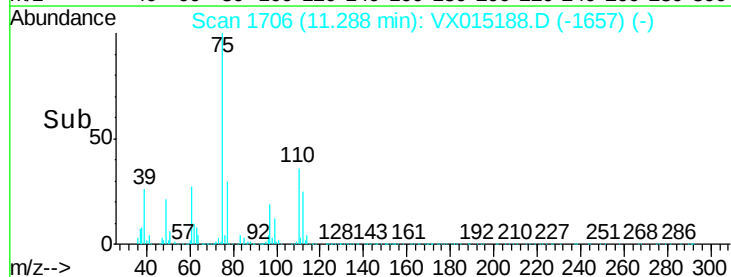
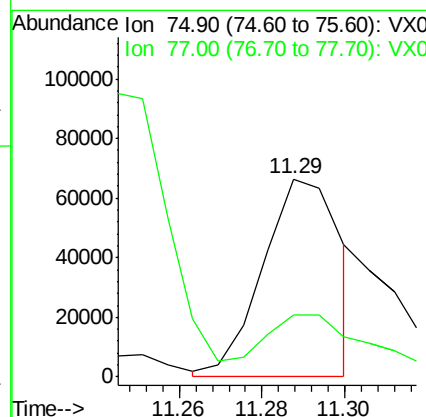
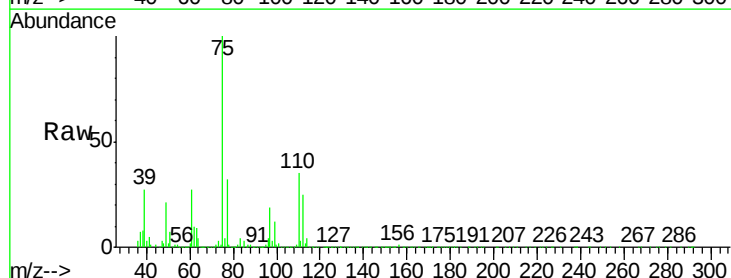
RT: 11.29 min Scan# 1706

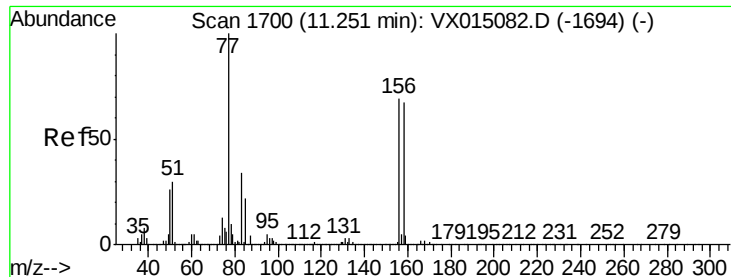
Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	75	Resp:	87213
Ion Ratio	Lower	Upper	
75	100		
77	42.7	22.6	67.8





#77

Bromobenzene

Concen: 19.75 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

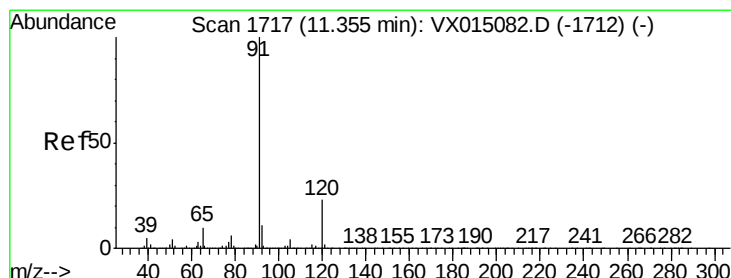
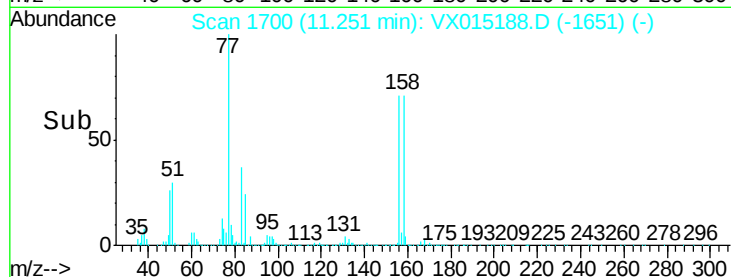
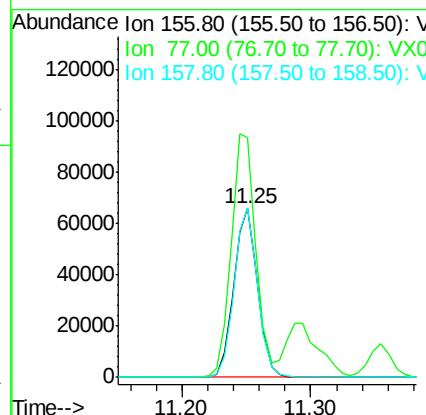
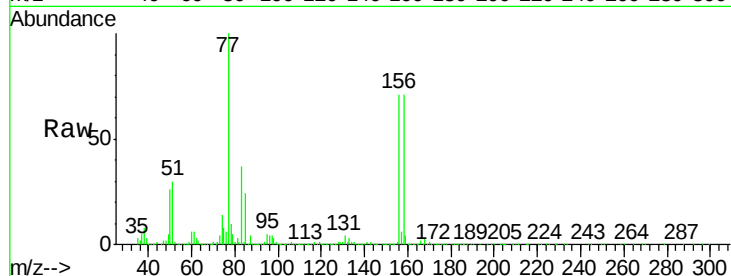
ClientSampleId :

VX0311WBSD01

Tgt Ion:	156	Resp:	84810
Ion Ratio	Lower	Upper	
156	100		
77	149.0	75.3	225.9
158	98.9	48.5	145.6

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#78

n-propylbenzene

Concen: 20.96 ug/l

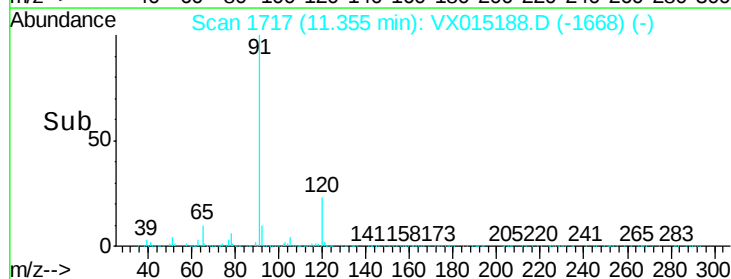
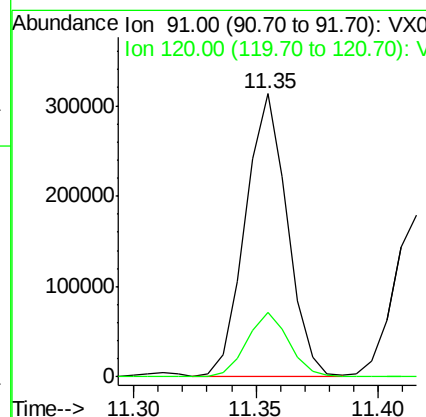
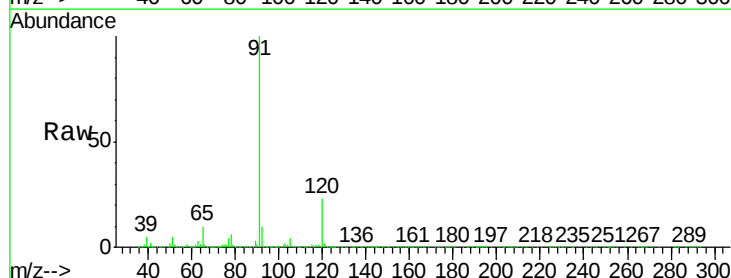
RT: 11.35 min Scan# 1717

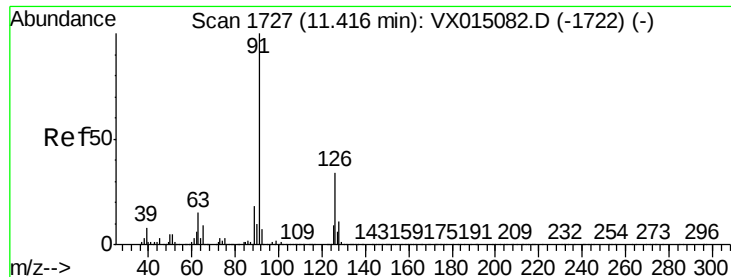
Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	91	Resp:	369075
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

ClientSampleId :

VX0311WBSD01

Tgt Ion: 91 Resp: 216066

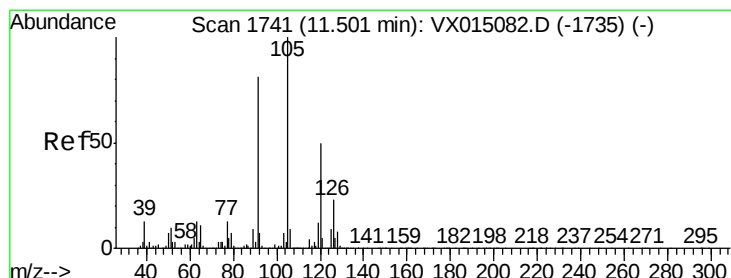
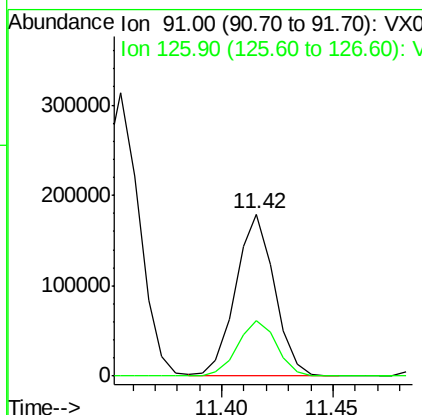
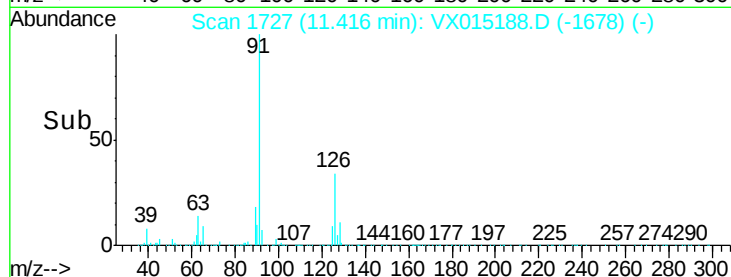
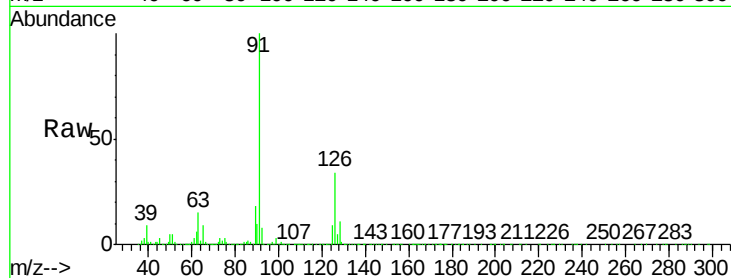
Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.49 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX015188.D

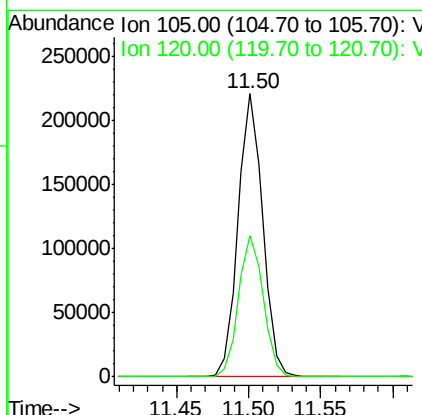
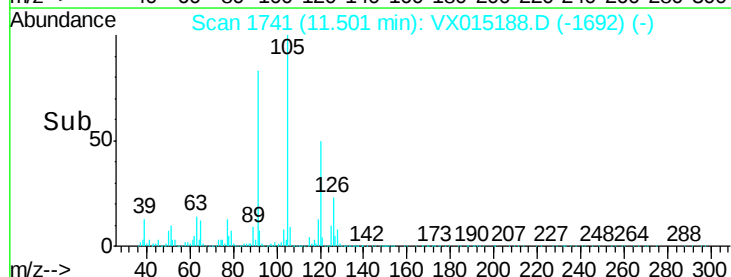
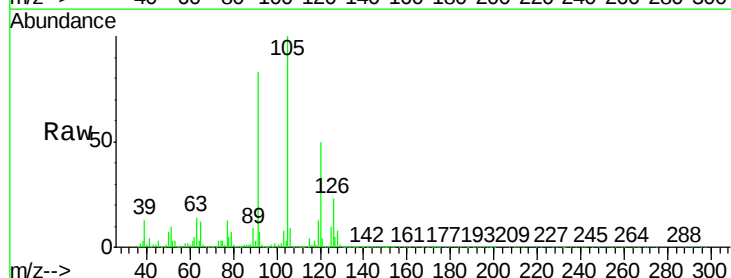
Acq: 11 Mar 2020 10:30

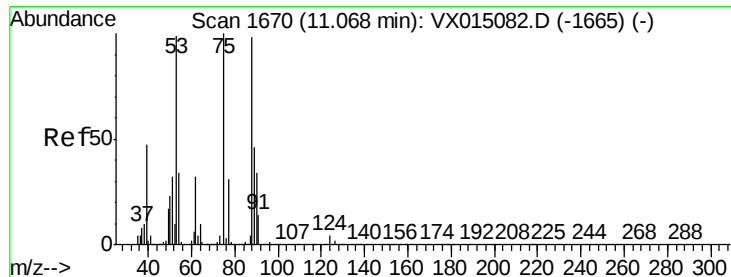
Tgt Ion: 105 Resp: 262898

Ion Ratio Lower Upper

105 100

120 50.2 25.1 75.4





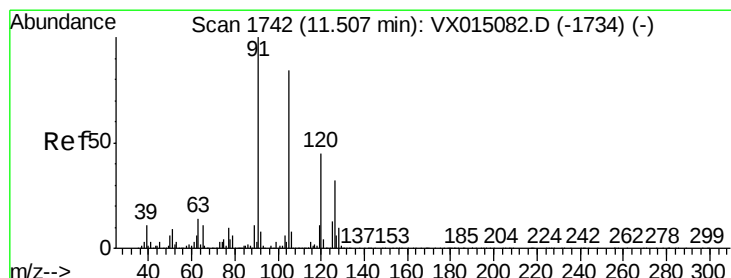
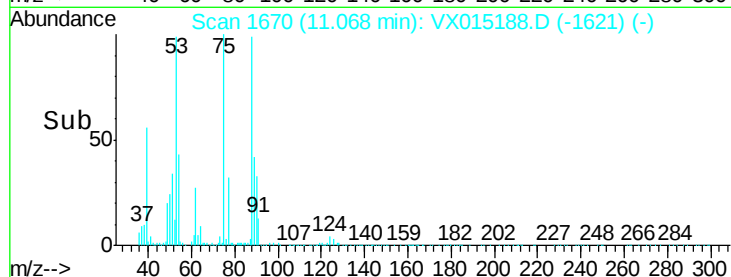
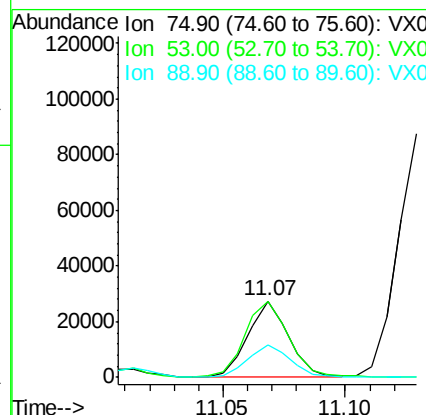
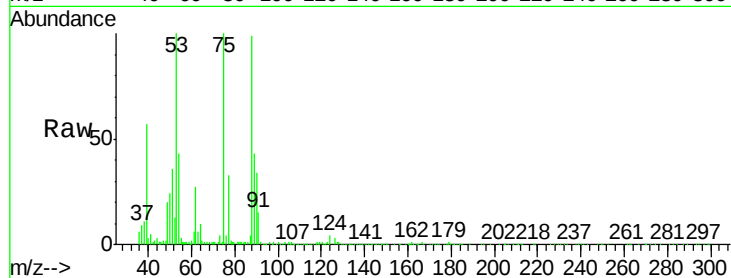
#81
trans-1,4-Dichloro-2-butene
Concen: 18.31 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.5	77.9	116.9
89	44.9	36.2	54.2

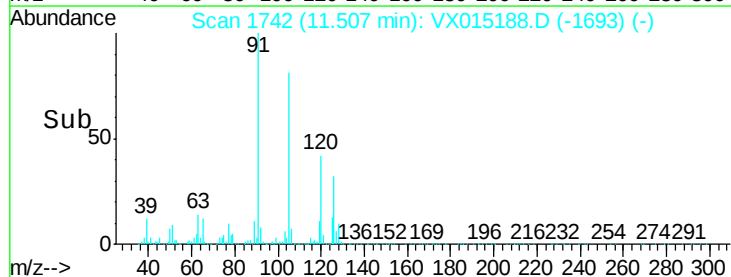
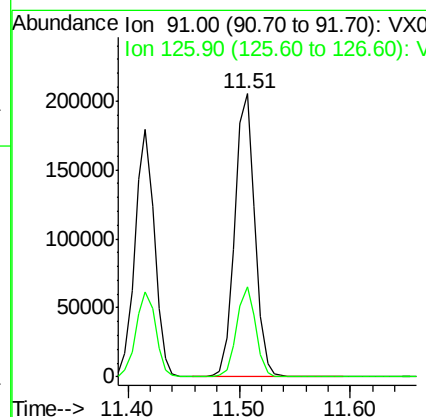
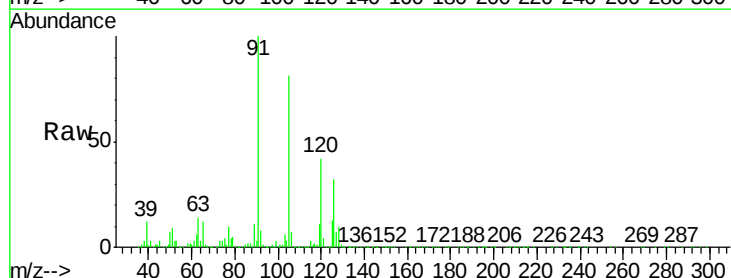
Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#82
4-Chlorotoluene
Concen: 20.54 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.4	46.2





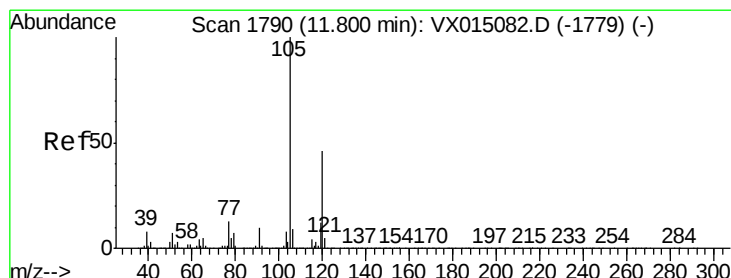
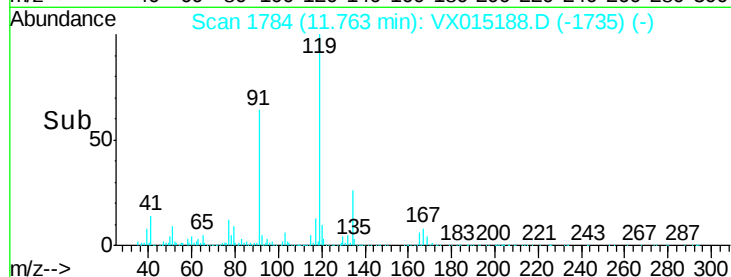
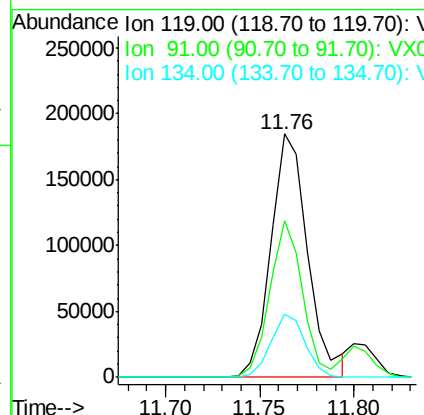
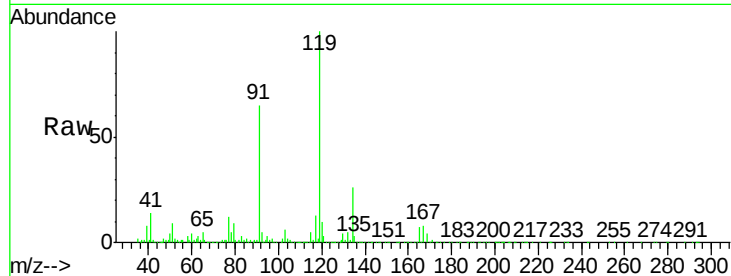
#83
 tert-Butylbenzene
 Concen: 20.10 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0311WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	249384		
91	57.4	28.5	85.6	
134	24.3	11.9	35.7	

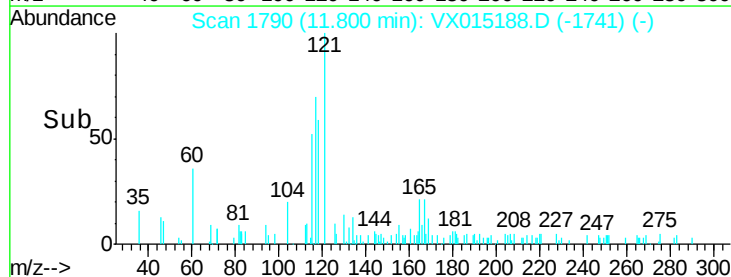
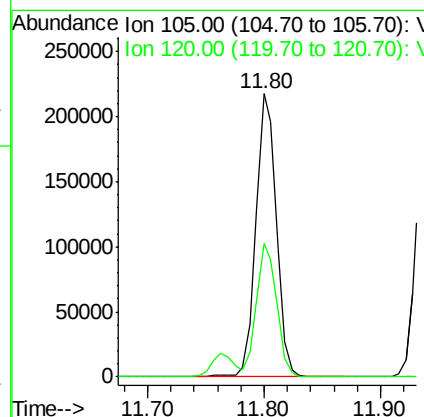
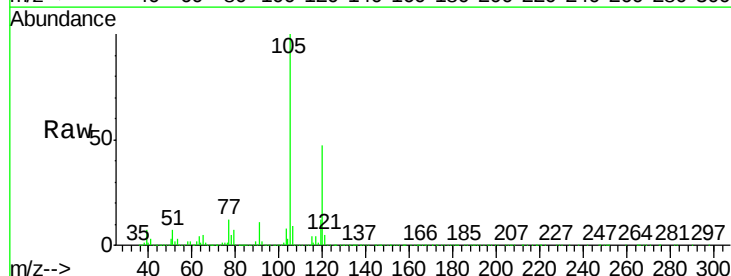
Manual Integrations
 APPROVED

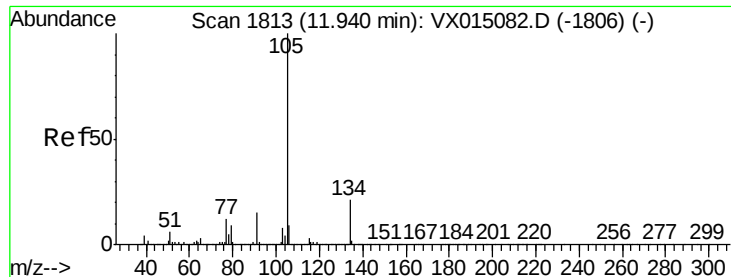
MMDadoda
 3/12/2020 2:50:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.68 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	266575		
120	46.4	22.9	68.5	





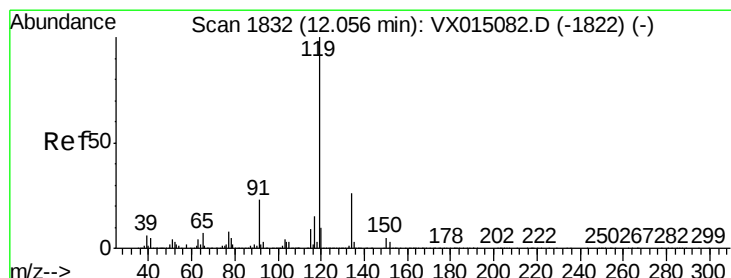
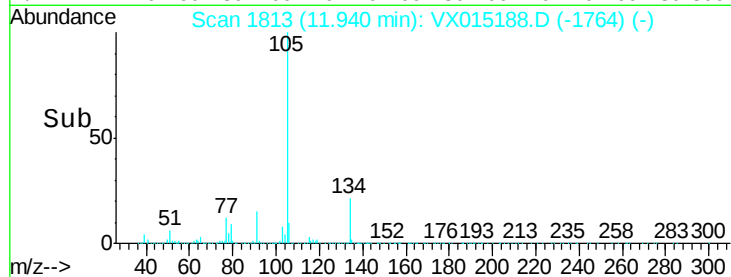
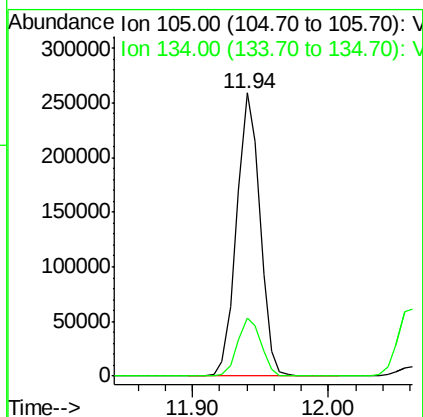
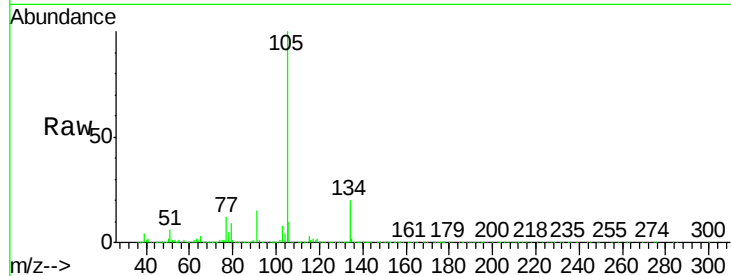
#85
 sec-Butylbenzene
 Concen: 20.60 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	308555		
134	20.7	10.4	31.2	

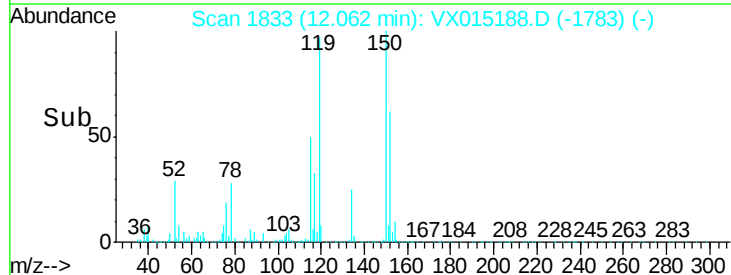
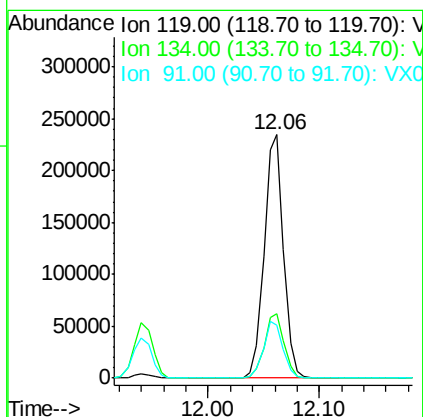
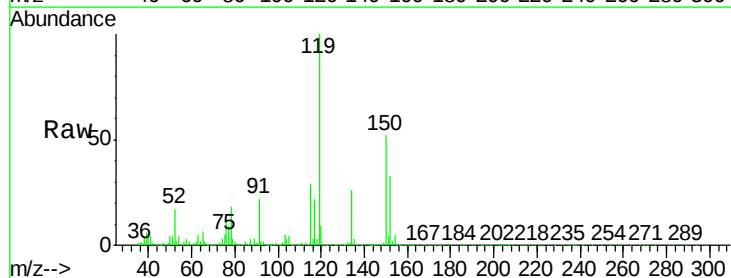
Manual Integrations
 APPROVED

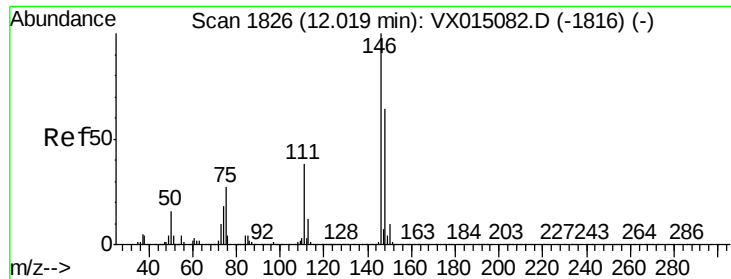
MMDadoda
 3/12/2020 2:50:50 PM



#86
 p-Isopropyltoluene
 Concen: 20.63 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	284607		
134	26.8	13.4	40.1	
91	23.4	11.3	33.8	





#87

1,3-Dichlorobenzene

Concen: 19.39 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Instrument :

MSVOA_X

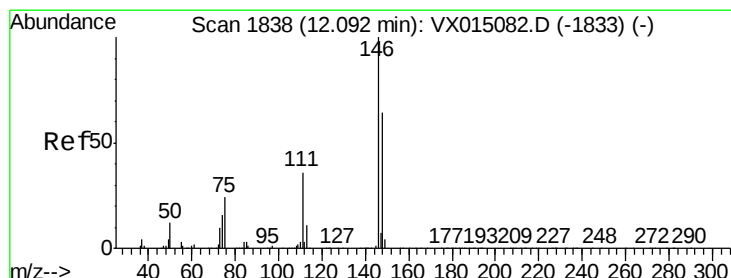
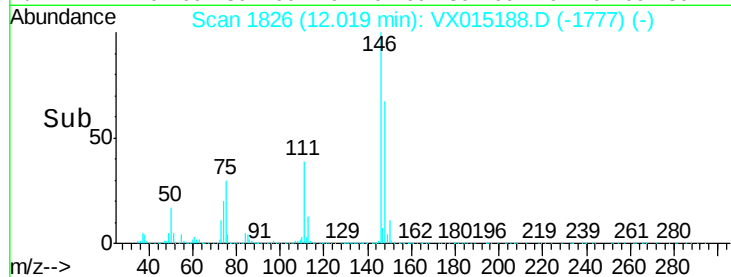
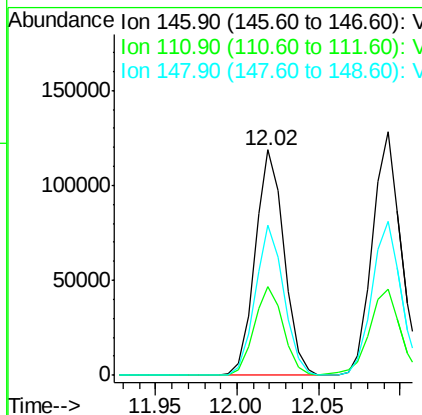
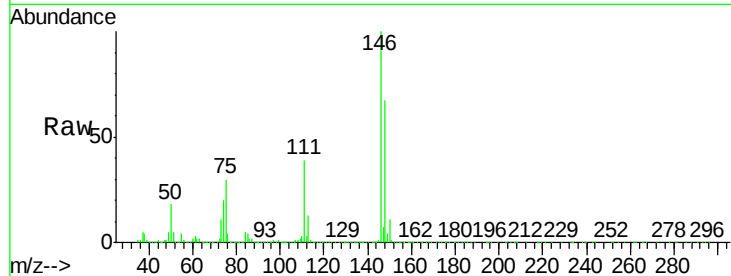
ClientSampleId :

VX0311WBSD01

Tgt Ion:	146	Resp:	146423
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.1	57.1
148	65.9	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#88

1,4-Dichlorobenzene

Concen: 19.91 ug/l

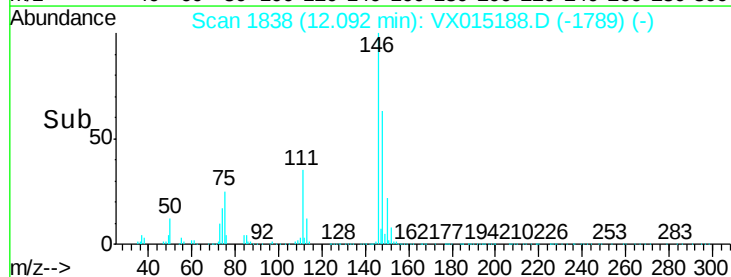
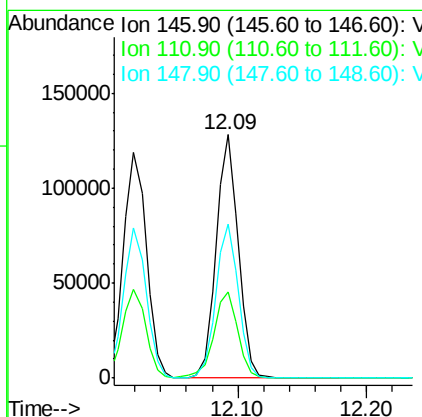
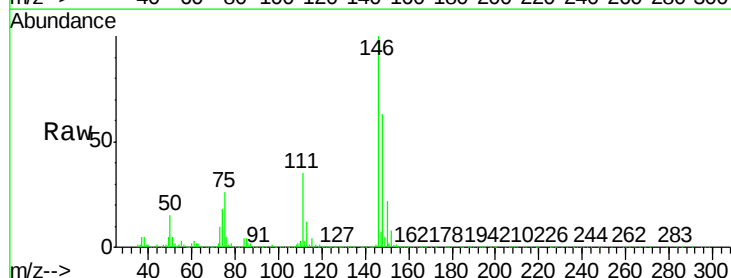
RT: 12.09 min Scan# 1838

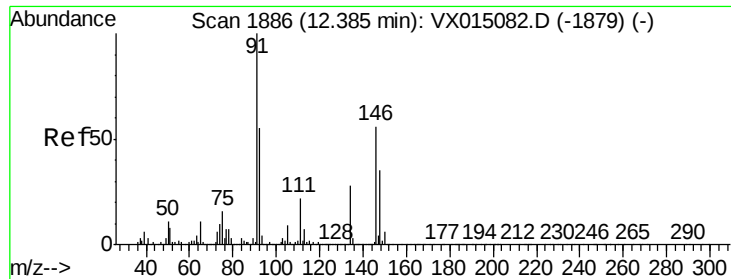
Delta R.T. -0.00 min

Lab File: VX015188.D

Acq: 11 Mar 2020 10:30

Tgt Ion:	146	Resp:	155218
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.7	56.1
148	65.2	32.5	97.4





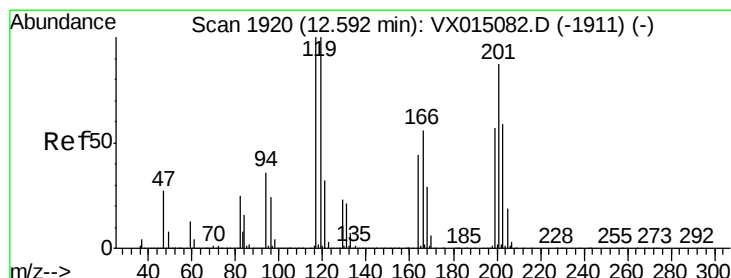
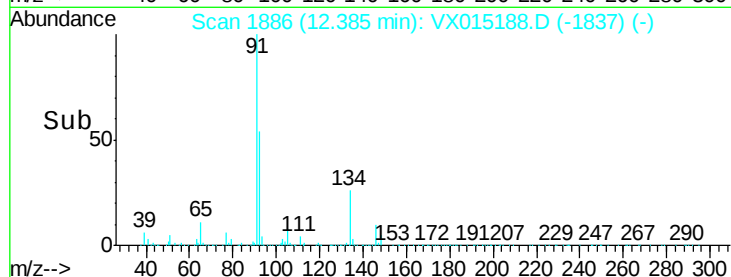
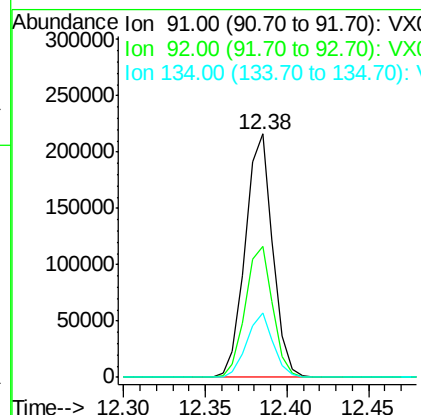
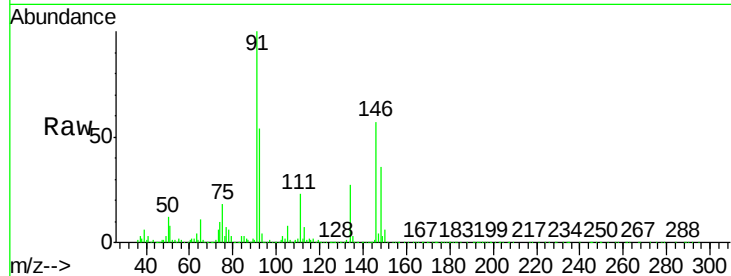
#89
n-Butylbenzene
Concen: 20.63 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	54.0	27.2	81.6
134	25.5	13.5	40.5

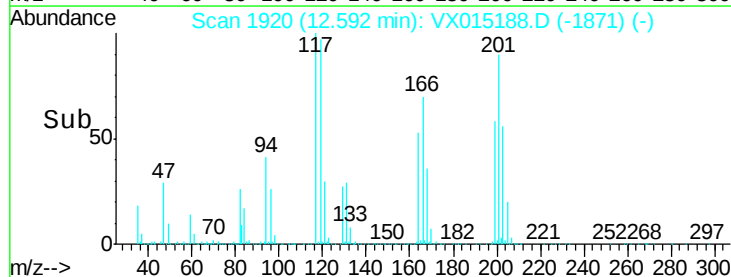
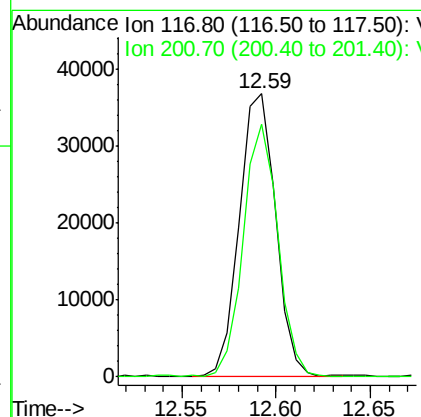
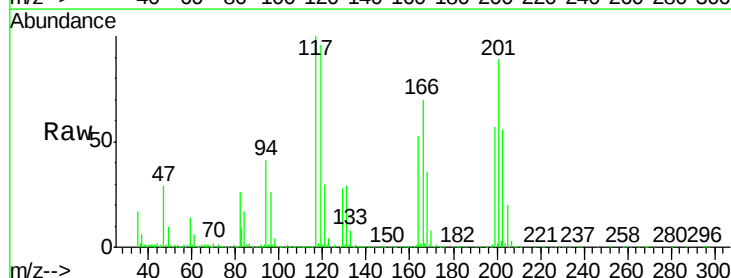
Manual Integrations
APPROVED

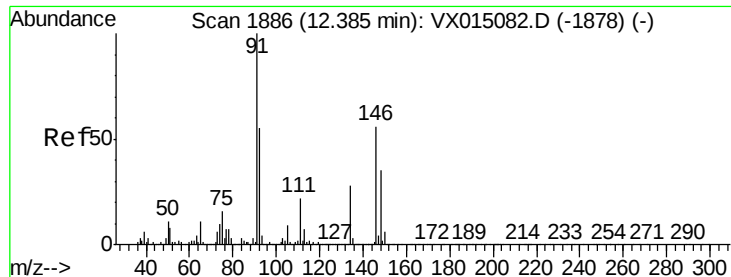
MMDadoda
3/12/2020 2:50:50 PM



#90
Hexachloroethane
Concen: 18.84 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp Lower	Upper
117	100		
201	85.0	43.5	130.7





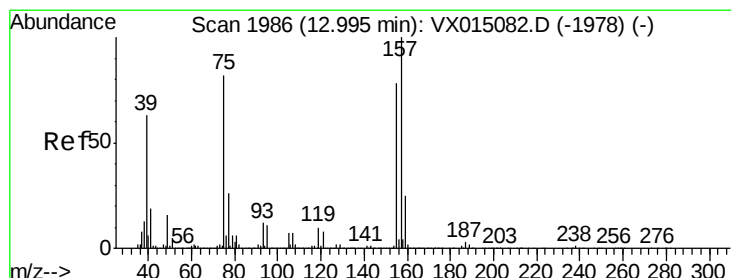
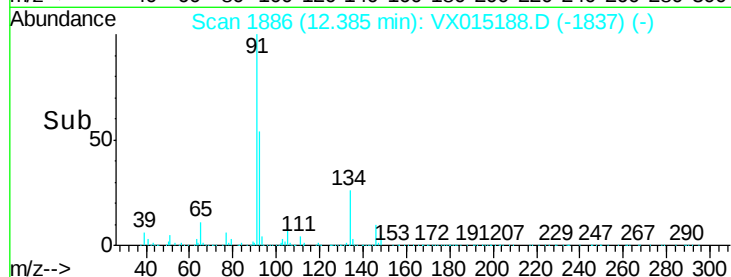
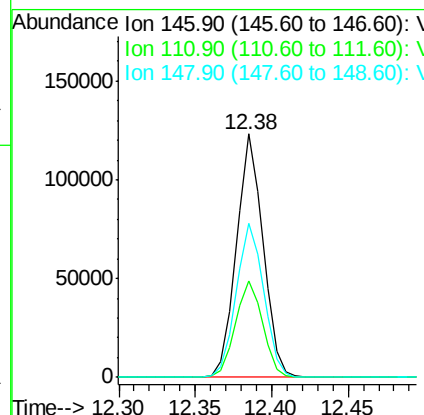
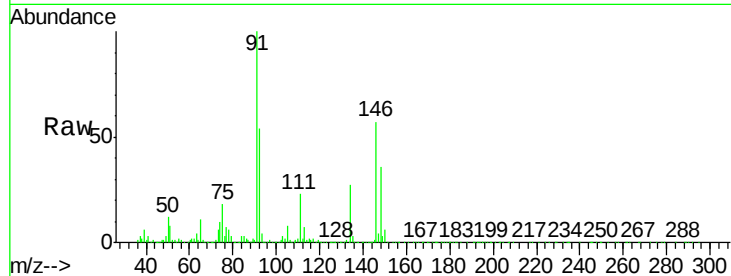
#91
1,2-Dichlorobenzene
Concen: 19.81 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148711		
111	40.7	19.9	59.7	
148	65.2	32.3	96.8	

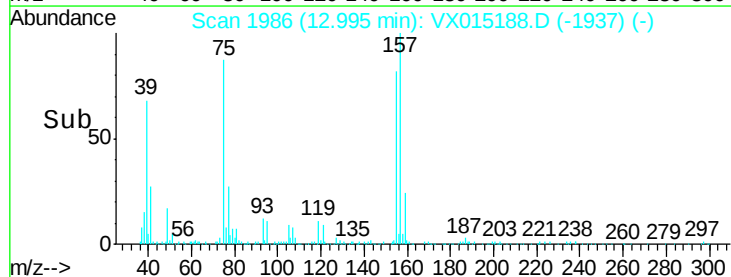
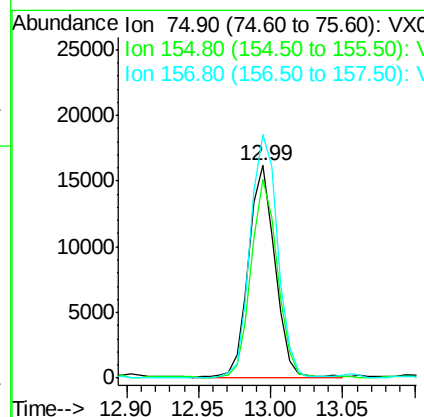
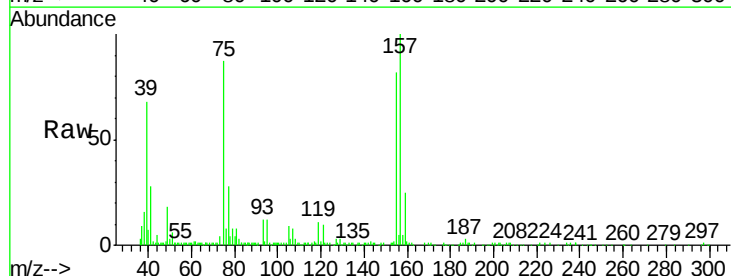
Manual Integrations
APPROVED

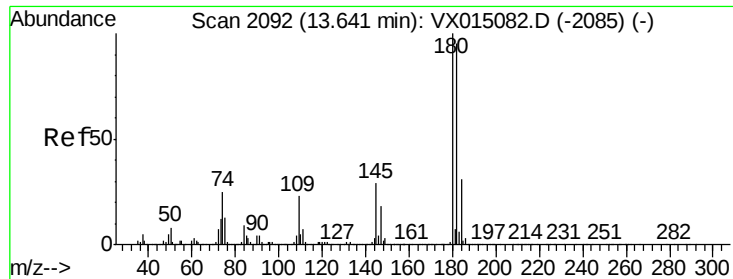
MMDadoda
3/12/2020 2:50:50 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.21 ug/l
RT: 12.99 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20782		
155	90.5	46.6	139.7	
157	117.2	59.2	177.5	





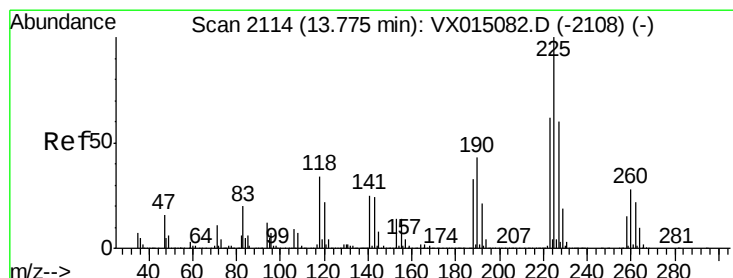
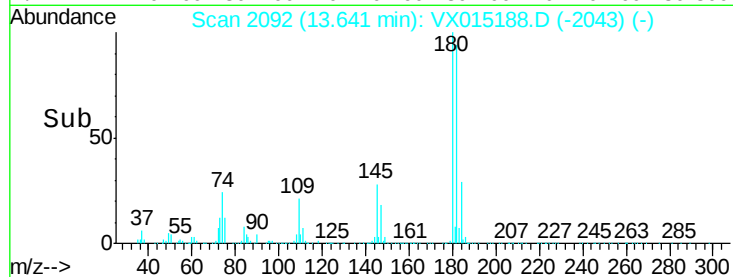
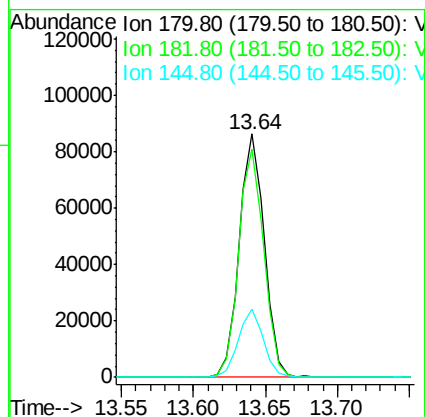
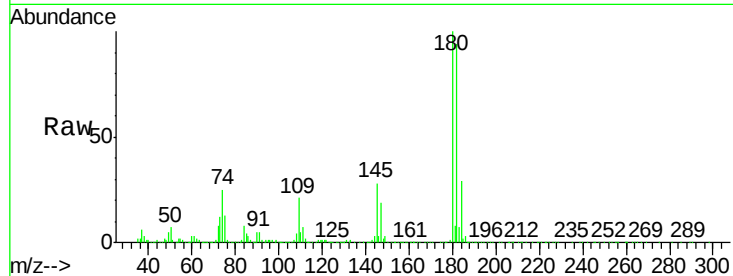
#93
 1,2,4-Trichlorobenzene
 Concen: 20.14 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0311WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104927		
182	93.6	47.6	142.8	
145	27.7	14.1	42.2	

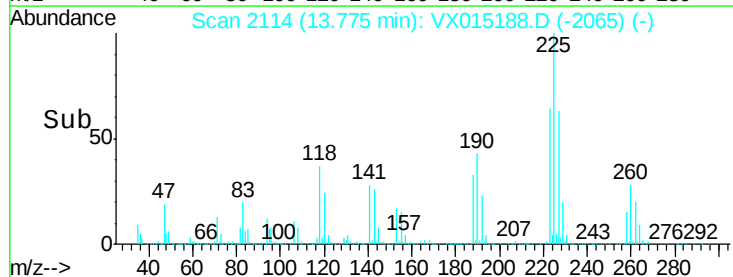
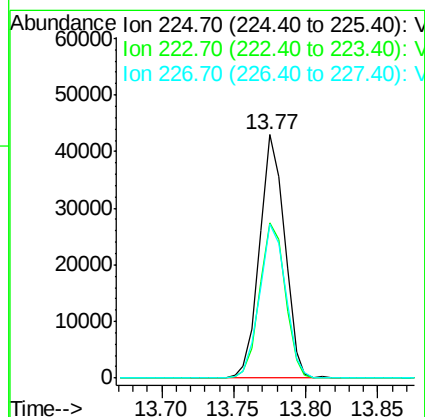
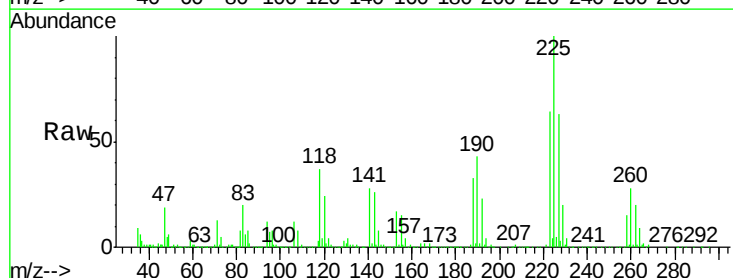
Manual Integrations
 APPROVED

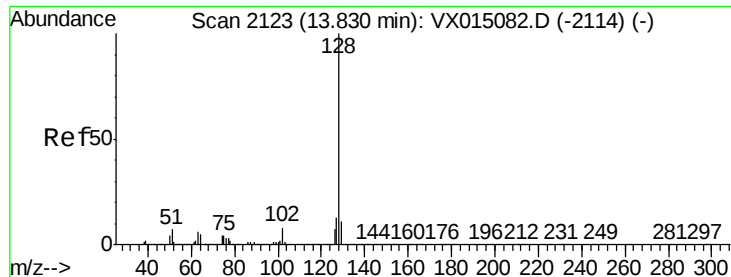
MMDadoda
 3/12/2020 2:50:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 13.77 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VX015188.D
 Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51493		
223	65.0	31.3	93.9	
227	65.6	31.1	93.2	





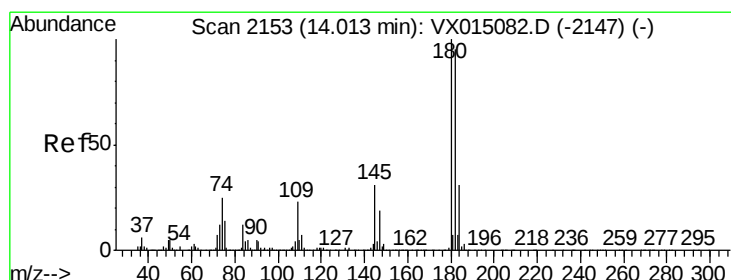
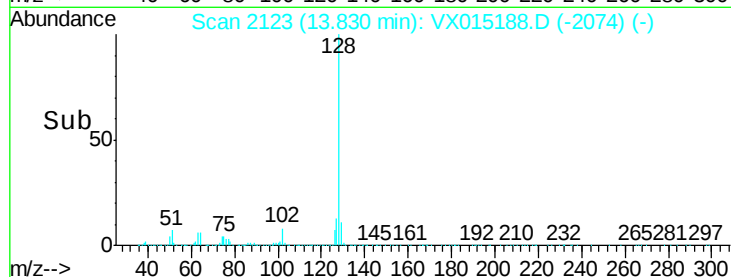
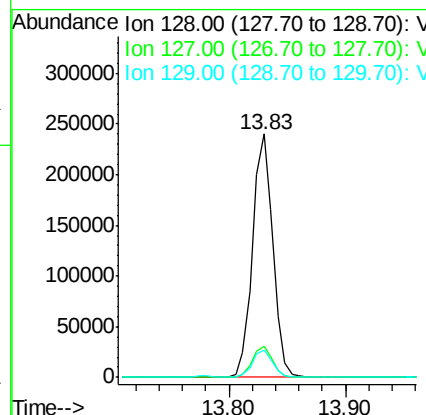
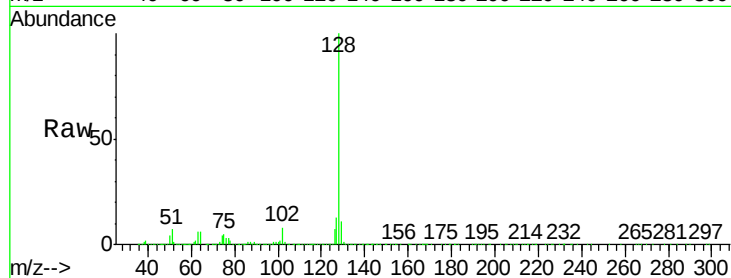
#95
Naphthalene
Concen: 19.26 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	293278		
127	12.7	10.3	15.5	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/12/2020 2:50:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.91 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015188.D
Acq: 11 Mar 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	103506		
182	97.9	47.8	143.4	
145	30.0	15.1	45.3	

