

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022420\
 Data File : VX015001.D
 Acq On : 24 Feb 2020 11:34
 Operator : JC/SP
 Sample : VX0224WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:36:40 AM

Quant Time: Feb 25 00:56:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	417589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	618959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	575260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	303268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	238090	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	5.48	113	194164	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	8.71	98	733644	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.13	95	267702	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	74916	18.944	ug/l	100
3) Chloromethane	1.32	50	89340	19.926	ug/l	100
4) Vinyl Chloride	1.40	62	91920	19.031	ug/l	98
5) Bromomethane	1.64	94	59678	19.089	ug/l	99
6) Chloroethane	1.72	64	61412	19.872	ug/l	98
7) Trichlorofluoromethane	1.93	101	127296	18.864	ug/l	98
8) Diethyl Ether	2.18	74	54864	19.606	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76821	19.612	ug/l	98
10) Methyl Iodide	2.50	142	79394	20.961	ug/l	98
11) Tert butyl alcohol	3.02	59	91450	109.901	ug/l	99
12) 1,1-Dichloroethene	2.37	96	71083	18.571	ug/l	98
13) Acrolein	2.28	56	50593	79.774	ug/l	96
14) Allyl chloride	2.72	41	129202	19.039	ug/l	98
15) Acrylonitrile	3.12	53	225124	106.720	ug/l	100
16) Acetone	2.43	43	215266	77.491	ug/l	99
17) Carbon Disulfide	2.56	76	182064	17.024	ug/l	99
18) Methyl Acetate	2.76	43	106506	22.439	ug/l	97
19) Methyl tert-butyl Ether	3.18	73	257124	20.641	ug/l	99
20) Methylene Chloride	2.85	84	85618	18.885	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	77098	18.255	ug/l	99
22) Diisopropyl ether	3.84	45	270137	20.842	ug/l	91
23) Vinyl Acetate	3.80	43	1143118	106.988	ug/l	98
24) 1,1-Dichloroethane	3.69	63	142889	19.534	ug/l	97
25) 2-Butanone	4.65	43	316520	98.651	ug/l	99
26) 2,2-Dichloropropane	4.57	77	118564	18.808	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	93900	19.889	ug/l	95
28) Bromochloromethane	5.00	49	60156	21.216	ug/l	100
29) Tetrahydrofuran	5.11	42	194784	106.795	ug/l	100
30) Chloroform	5.20	83	146313	20.160	ug/l	97
31) Cyclohexane	5.57	56	126193	18.941	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	120478	18.977	ug/l	100
36) 1,1-Dichloropropene	5.79	75	107647	19.442	ug/l	99
37) Ethyl Acetate	4.81	43	122148	21.152	ug/l	98
38) Carbon Tetrachloride	5.77	117	102926	19.075	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022420\
 Data File : VX015001.D
 Acq On : 24 Feb 2020 11:34
 Operator : JC/SP
 Sample : VX0224WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0224WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:36:40 AM

Quant Time: Feb 25 00:56:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	129836	18.750	ug/l	95
40) Benzene	6.13	78	323431	19.551	ug/l	97
41) Methacrylonitrile	5.02	41	65936	21.195	ug/l	97
42) 1,2-Dichloroethane	6.18	62	120254	20.112	ug/l	100
43) Isopropyl Acetate	6.43	43	197216	20.702	ug/l	99
44) Trichloroethene	7.20	130	91562	19.066	ug/l	99
45) 1,2-Dichloropropane	7.51	63	86322	20.460	ug/l	98
46) Dibromomethane	7.65	93	56079	19.446	ug/l	97
47) Bromodichloromethane	7.89	83	111416	19.485	ug/l	99
48) Methyl methacrylate	7.76	41	96641	20.614	ug/l	99
49) 1,4-Dioxane	7.73	88	39424	449.767	ug/l	94
51) 4-Methyl-2-Pentanone	8.63	43	620799	107.925	ug/l	99
52) Toluene	8.78	92	207476	19.746	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	121029	19.313	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	135843	19.622	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	87755	20.643	ug/l	99
56) Ethyl methacrylate	9.17	69	131166	20.528	ug/l	99
57) 1,3-Dichloropropane	9.36	76	145226	20.295	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	328615	98.340	ug/l	98
59) 2-Hexanone	9.48	43	464438	102.723	ug/l	98
60) Dibromochloromethane	9.57	129	91899	20.088	ug/l	98
61) 1,2-Dibromoethane	9.67	107	91860	20.028	ug/l	99
64) Tetrachloroethene	9.33	164	91392	16.992	ug/l	97
65) Chlorobenzene	10.13	112	231135	19.810	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	84971	20.060	ug/l	98
67) Ethyl Benzene	10.25	91	392699	19.790	ug/l	99
68) m/p-Xylenes	10.35	106	307062	40.169	ug/l	96
69) o-Xylene	10.69	106	145569	19.810	ug/l	99
70) Styrene	10.71	104	248430	19.984	ug/l	99
71) Bromoform	10.85	173	70794	20.022	ug/l #	98
73) Isopropylbenzene	11.01	105	391962	20.610	ug/l	100
74) N-amyl acetate	10.89	43	165897	20.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	132208	21.266	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	110532m	20.155	ug/l	
77) Bromobenzene	11.25	156	105074	19.795	ug/l	99
78) n-propylbenzene	11.35	91	449558	20.438	ug/l	100
79) 2-Chlorotoluene	11.42	91	266585	20.615	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	325028	20.454	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	41508	19.374	ug/l	95
82) 4-Chlorotoluene	11.51	91	306107	19.989	ug/l	100
83) tert-Butylbenzene	11.76	119	316426	21.028	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	333786	20.843	ug/l	99
85) sec-Butylbenzene	11.94	105	385161	20.604	ug/l	99
86) p-Isopropyltoluene	12.06	119	356038	20.353	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	187980	19.740	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	188559	19.390	ug/l	99
89) n-Butylbenzene	12.39	91	305115	19.475	ug/l	99
90) Hexachloroethane	12.59	117	60951	19.951	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	186285	19.948	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	28100	19.266	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022420\
Data File : VX015001.D
Acq On : 24 Feb 2020 11:34
Operator : JC/SP
Sample : VX0224WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

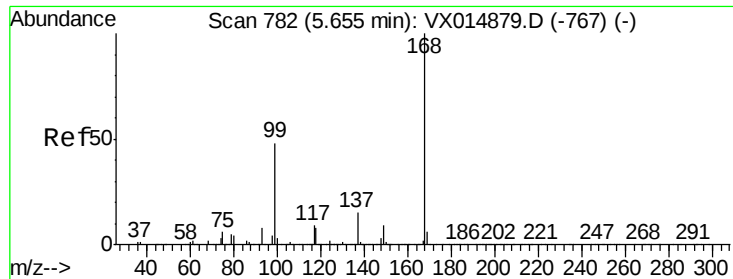
Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM

Quant Time: Feb 25 00:56:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	131659	19.100	ug/l	100
94) Hexachlorobutadiene	13.77	225	66093	19.824	ug/l	97
95) Naphthalene	13.83	128	383941	20.949	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	134222	20.155	ug/l	100

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



#1

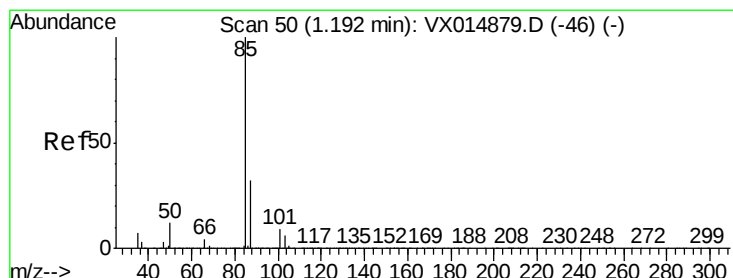
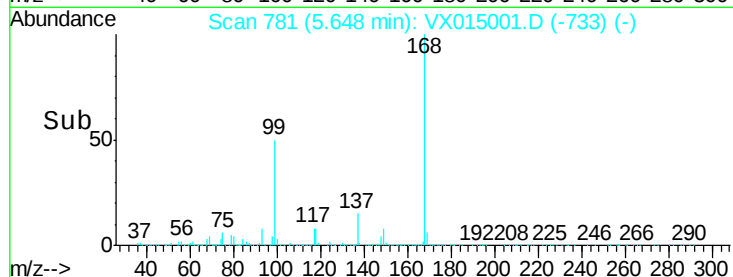
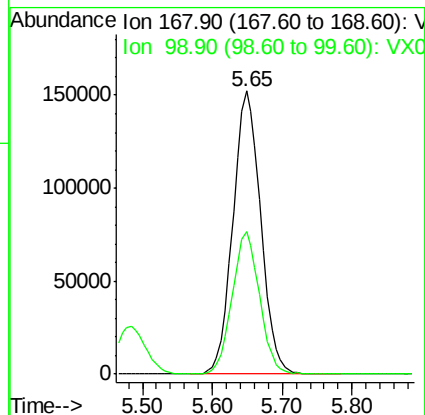
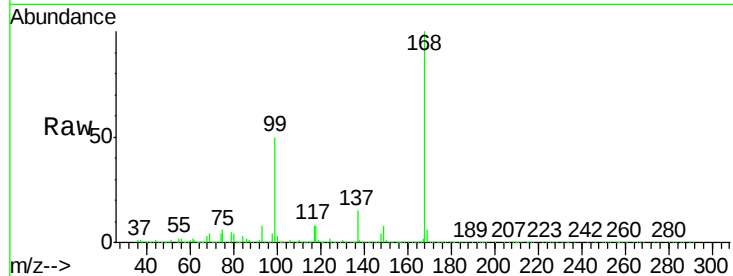
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.2	38.7	58.1

Manual Integrations
 APPROVED

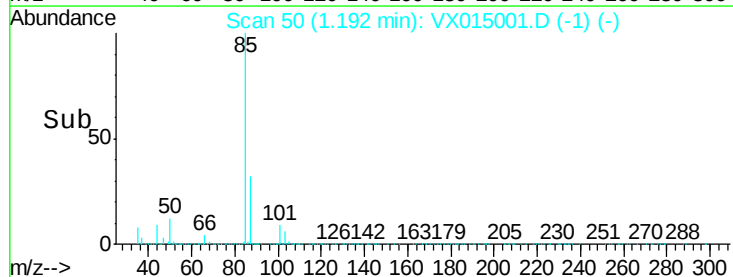
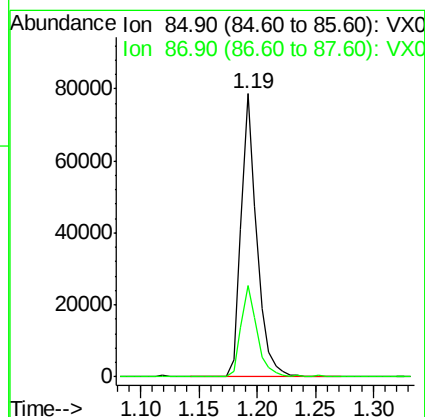
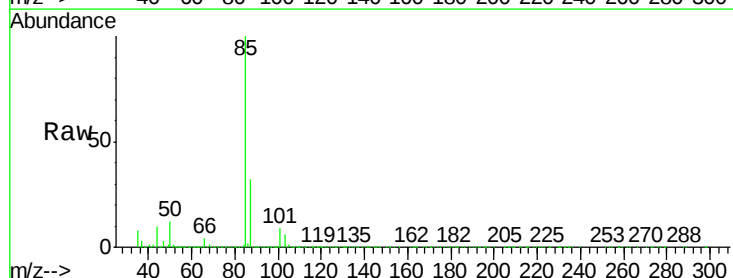
MMDadoda
 2/25/2020 9:36:40 AM

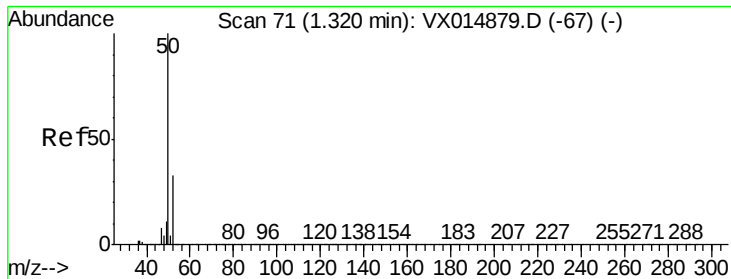


#2

Dichlorodifluoromethane
 Concen: 18.944 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.2





#3

Chloromethane

Concen: 19.926 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 50 Resp: 89340

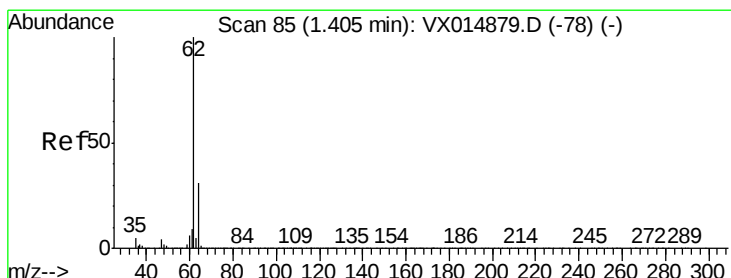
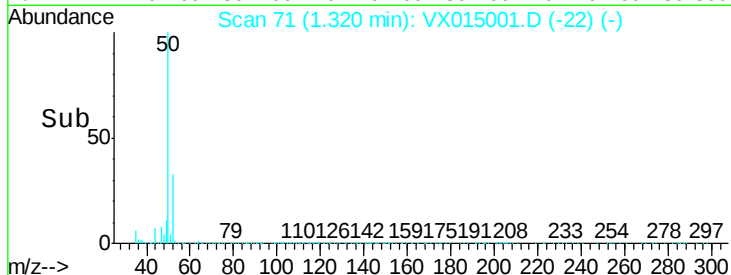
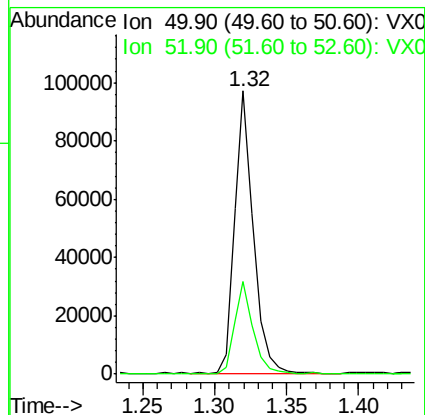
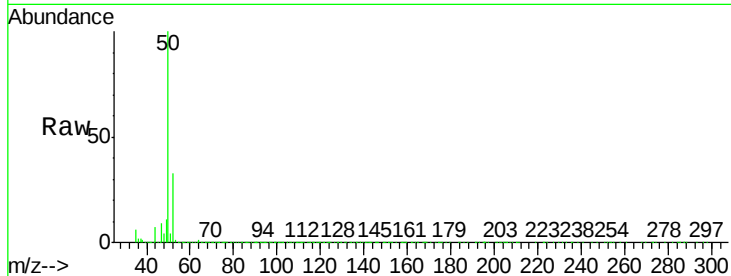
Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#4

Vinyl Chloride

Concen: 19.031 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.01 min

Lab File: VX015001.D

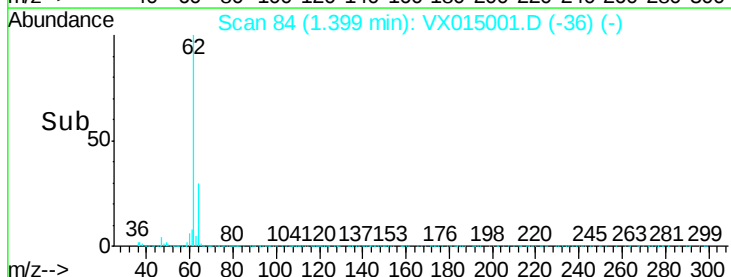
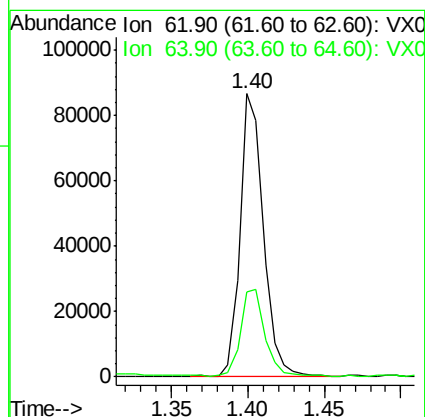
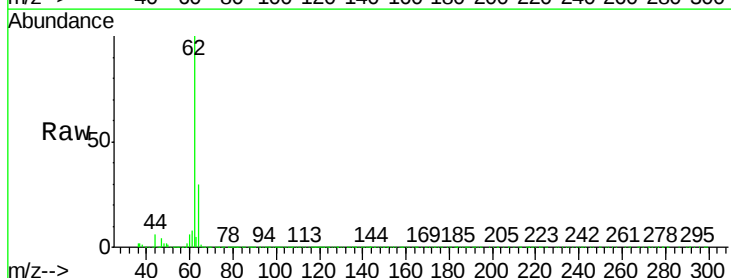
Acq: 24 Feb 2020 11:34

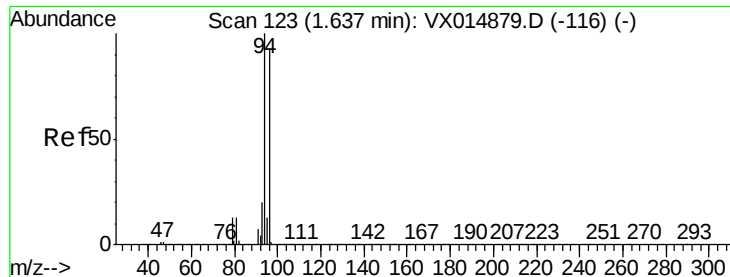
Tgt Ion: 62 Resp: 91920

Ion Ratio Lower Upper

62 100

64 29.8 24.8 37.2





#5

Bromomethane

Concen: 19.089 ug/l

RT: 1.64 min Scan# 123

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 94 Resp: 59678

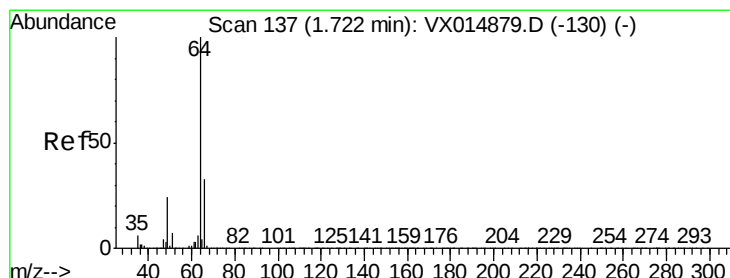
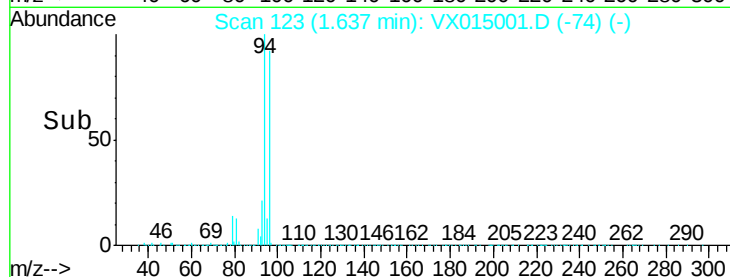
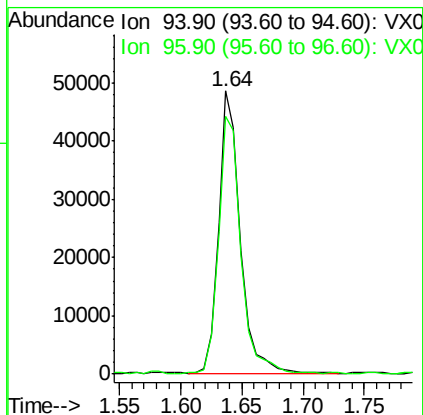
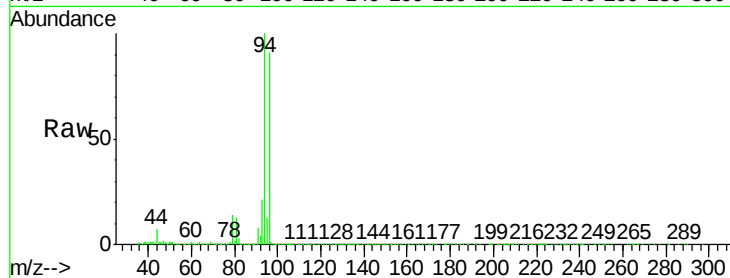
Ion Ratio Lower Upper

94 100

96 90.9 73.7 110.5

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#6

Chloroethane

Concen: 19.872 ug/l

RT: 1.72 min Scan# 137

Delta R.T. -0.00 min

Lab File: VX015001.D

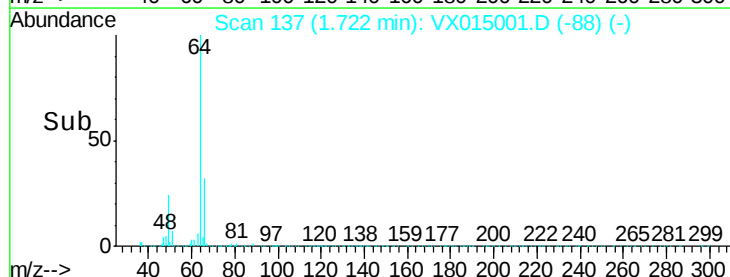
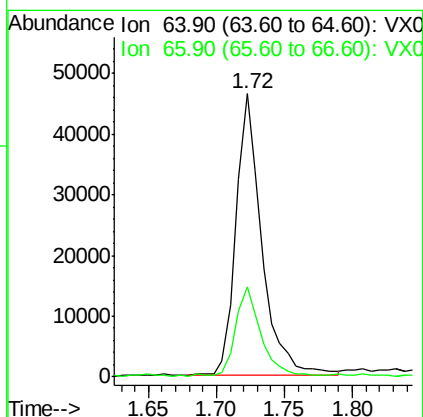
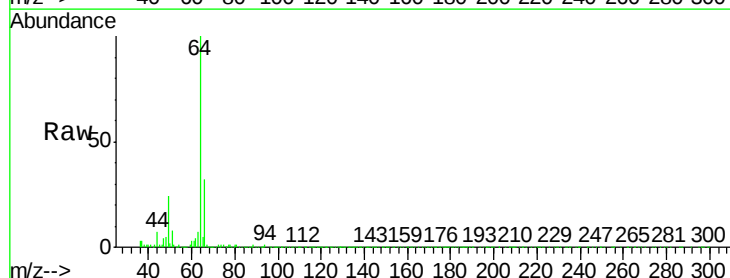
Acq: 24 Feb 2020 11:34

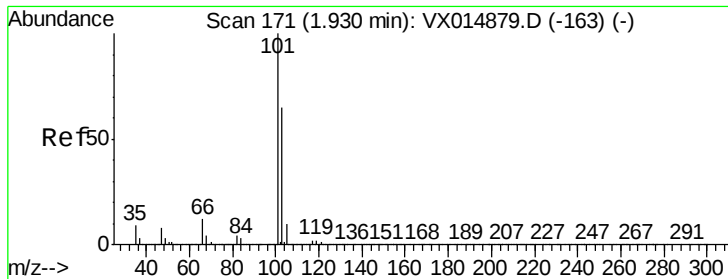
Tgt Ion: 64 Resp: 61412

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.4





#7

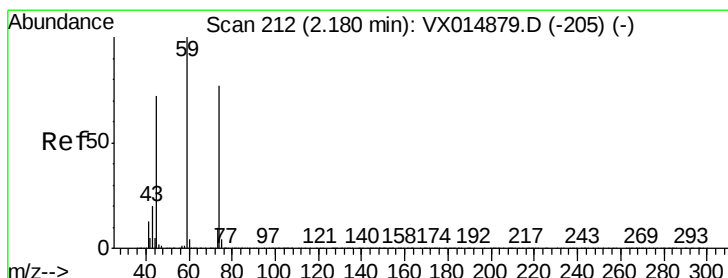
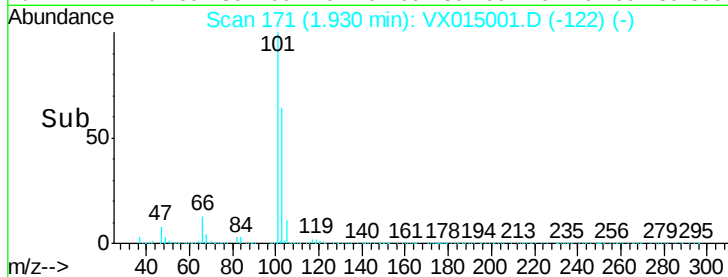
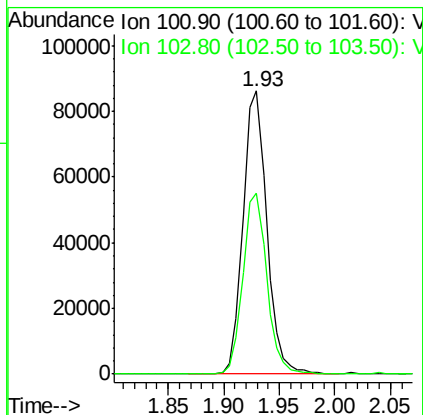
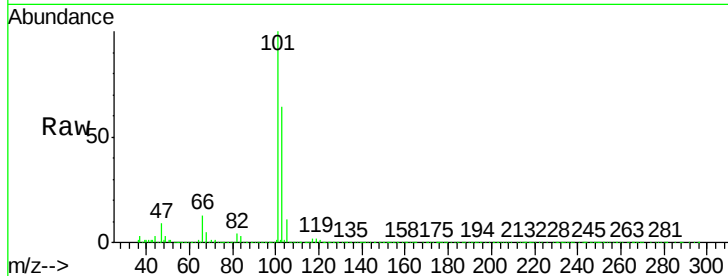
Trichlorofluoromethane
Concen: 18.864 ug/l
RT: 1.93 min Scan# 171
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.4

Manual Integrations
APPROVED

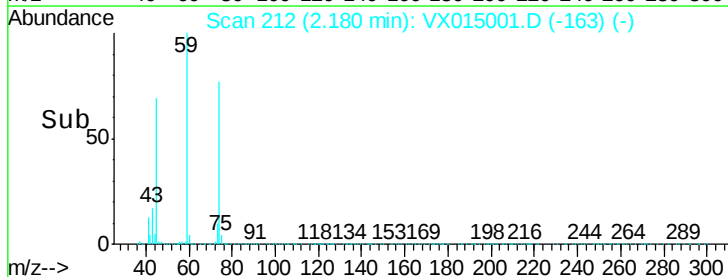
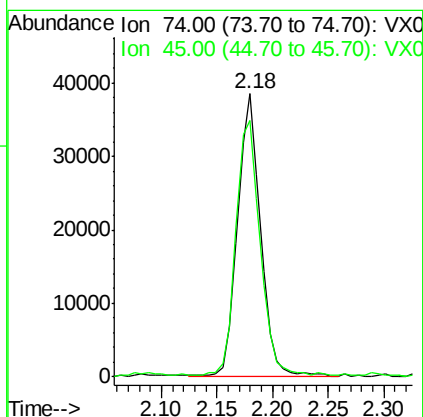
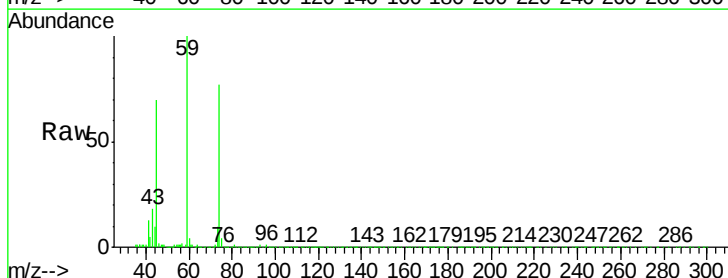
MMDadoda
2/25/2020 9:36:40 AM

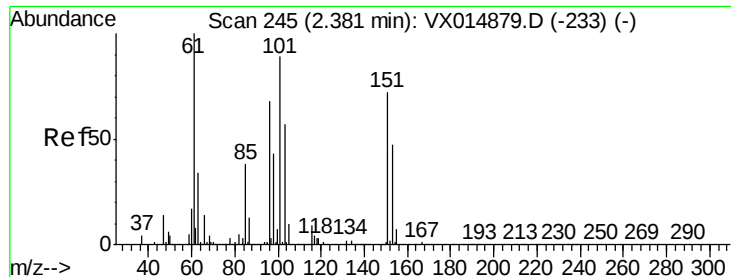


#8

Diethyl Ether
Concen: 19.606 ug/l
RT: 2.18 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	46.6	139.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.612 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

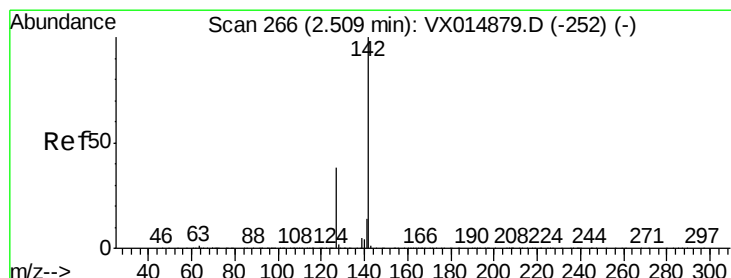
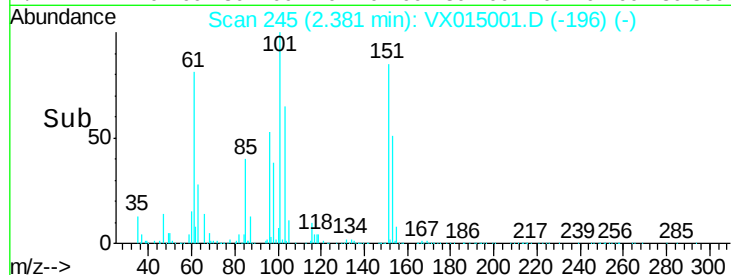
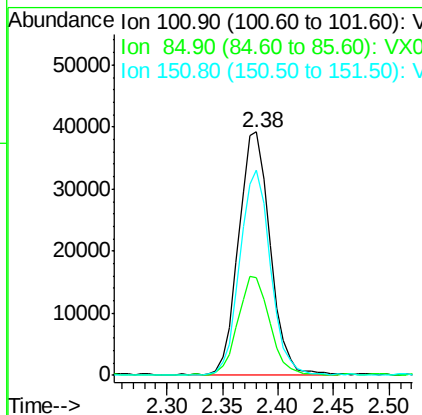
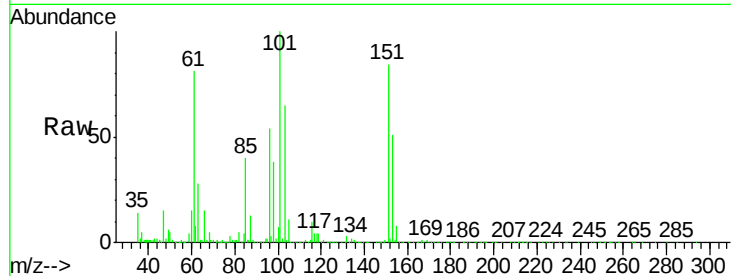
ClientSampleId :

VX0224WBSD01

Tot Ion:	101	Resp:	76821
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.1	51.1
151	82.6	67.3	100.9

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#10

Methyl Iodide

Concen: 20.961 ug/l

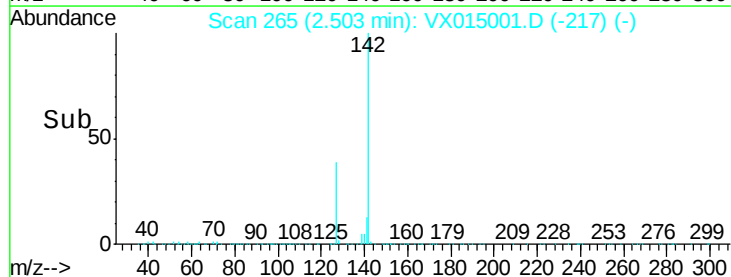
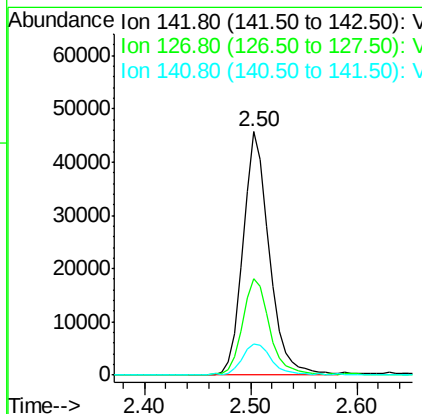
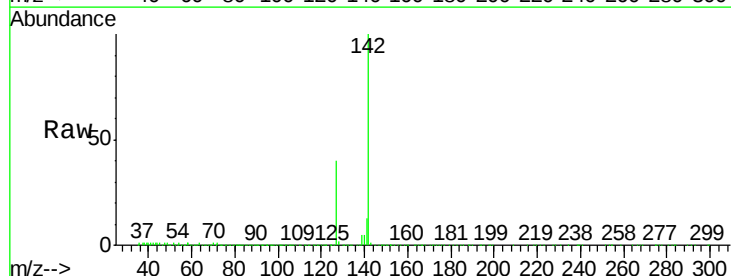
RT: 2.50 min Scan# 265

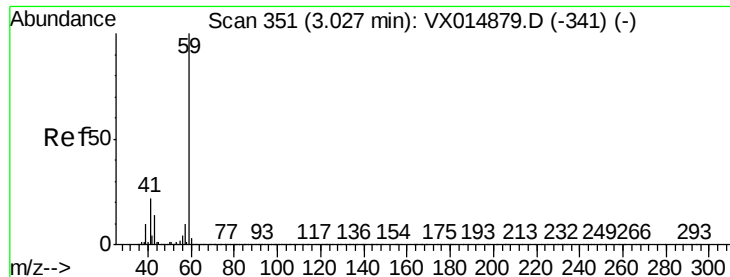
Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	142	Resp:	79394
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.1	46.7
141	14.1	11.3	16.9





#11

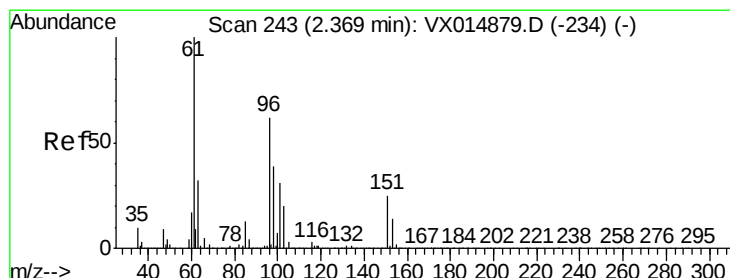
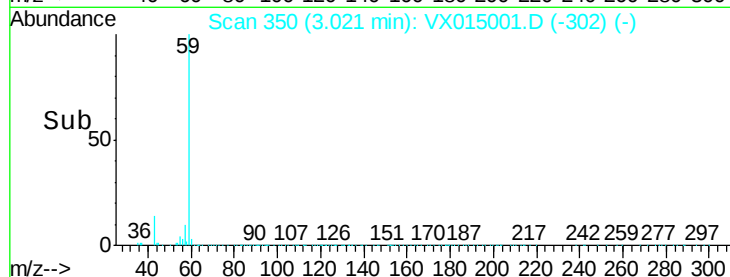
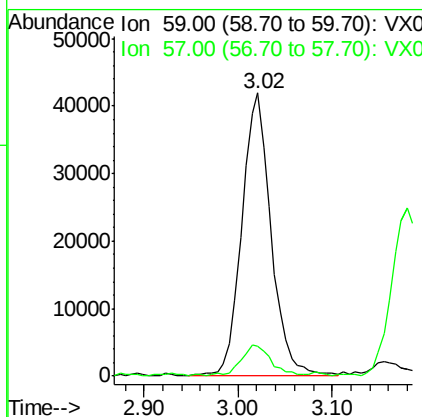
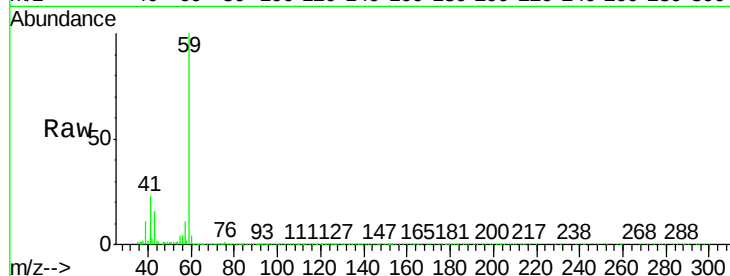
Tert butyl alcohol
Concen: 109.901 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
APPROVED

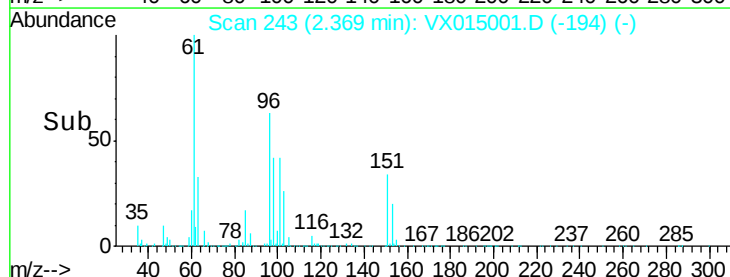
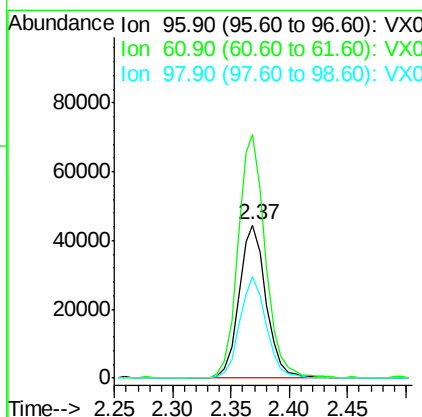
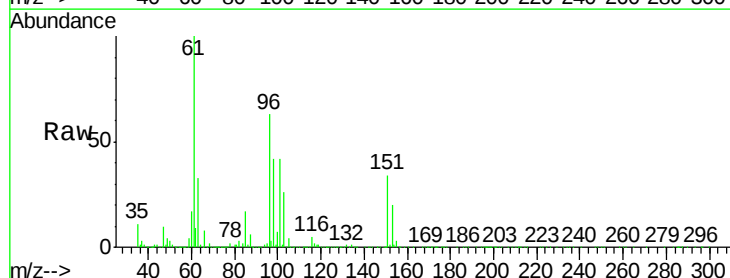
MMDadoda
2/25/2020 9:36:40 AM

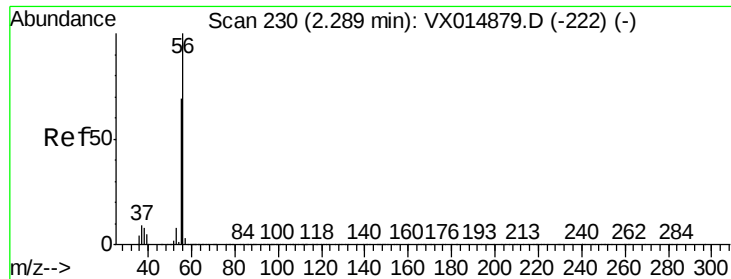


#12

1,1-Dichloroethene
Concen: 18.571 ug/l
RT: 2.37 min Scan# 243
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	129.5	194.3
98	66.2	50.6	76.0





#13

Acrolein

Concen: 79.774 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 56 Resp: 50593

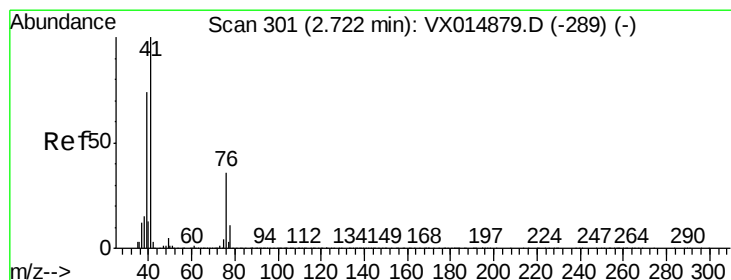
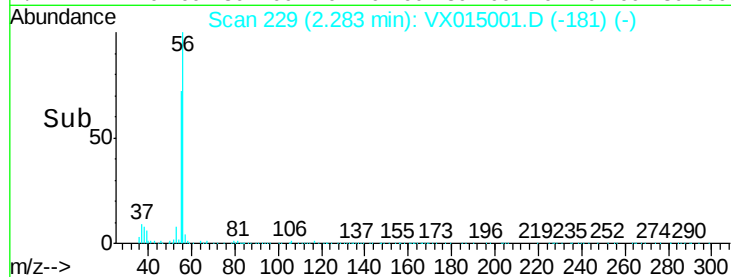
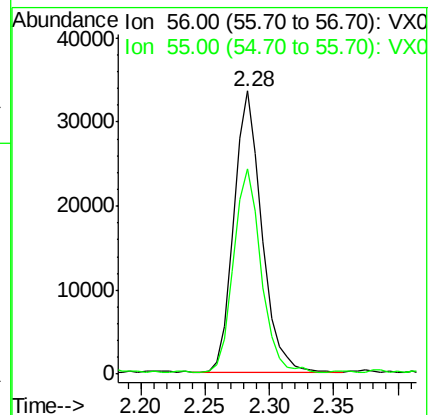
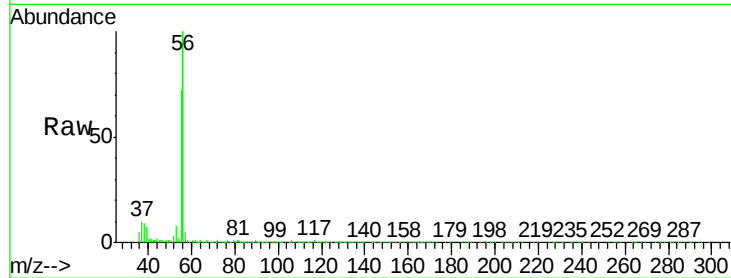
Ion Ratio Lower Upper

56 100

55 71.8 55.0 82.4

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#14

Allyl chloride

Concen: 19.039 ug/l

RT: 2.72 min Scan# 301

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

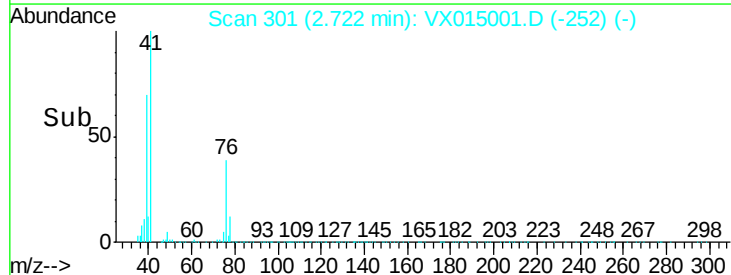
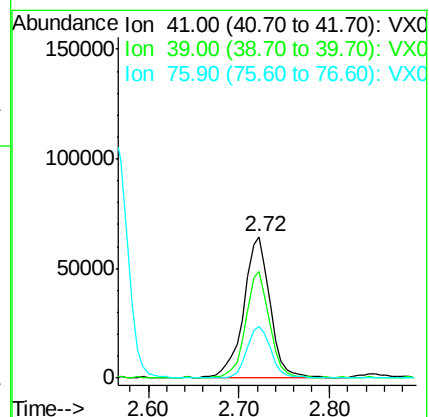
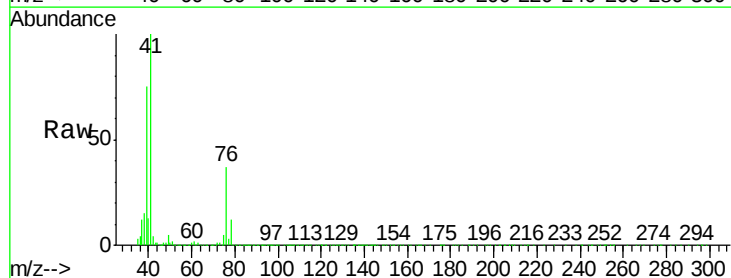
Tgt Ion: 41 Resp: 129202

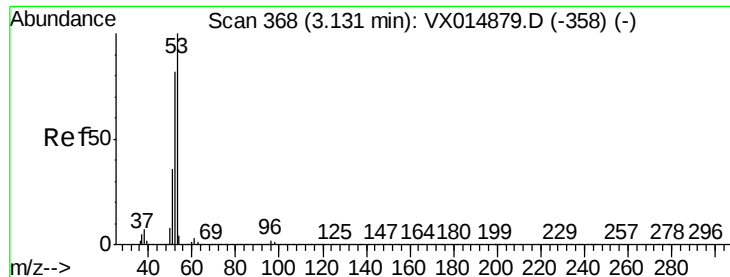
Ion Ratio Lower Upper

41 100

39 67.7 55.2 82.8

76 32.6 26.8 40.2





#15

Acrylonitrile

Concen: 106.720 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

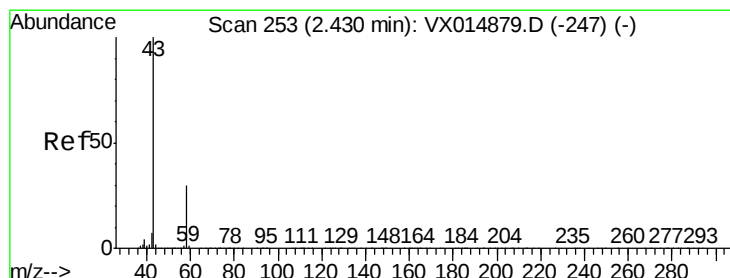
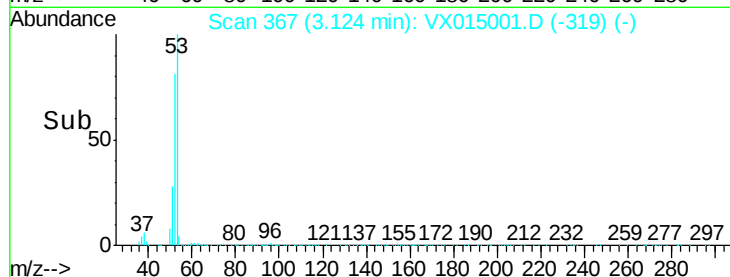
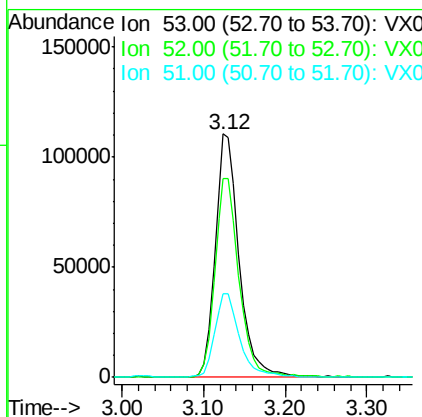
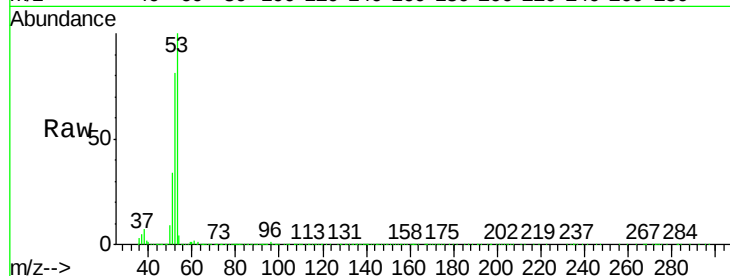
ClientSampleId :

VX0224WBSD01

Tot Ion:	53	Resp:	225124
Ion Ratio		Lower	Upper
53	100		
52	82.3	65.8	98.6
51	35.8	29.1	43.7

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#16

Acetone

Concen: 77.491 ug/l

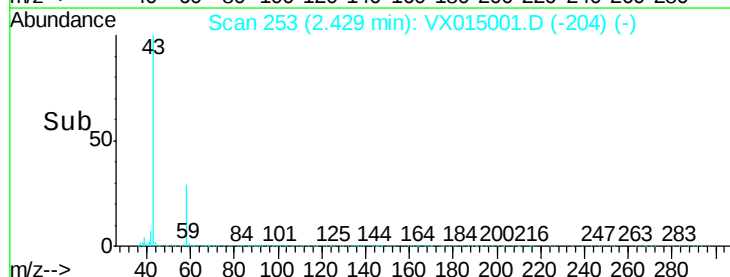
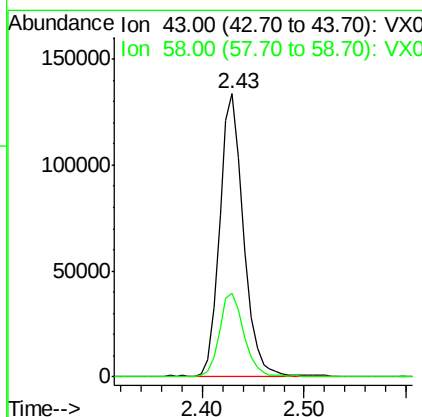
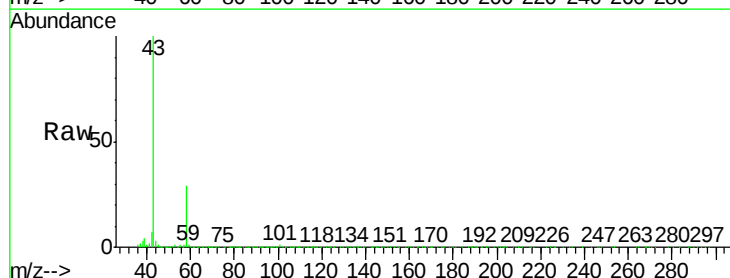
RT: 2.43 min Scan# 253

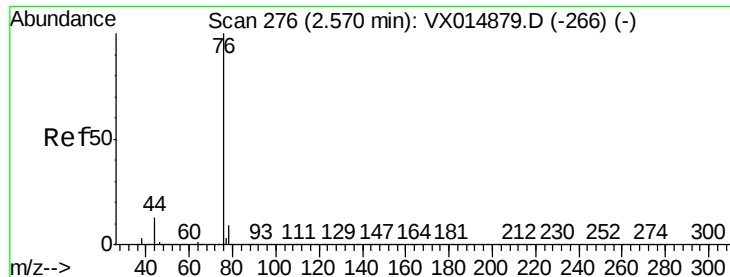
Delta R.T. 0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	43	Resp:	215266
Ion Ratio		Lower	Upper
43	100		
58	29.5	24.1	36.1





#17

Carbon Disulfide

Concen: 17.024 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 76 Resp: 182064

Ion Ratio Lower Upper

76 100

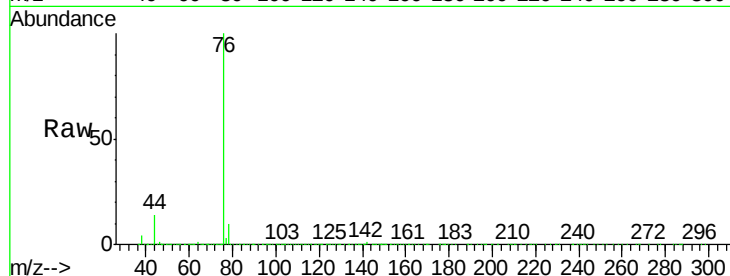
78 9.7 7.4 11.0

Manual Integrations

APPROVED

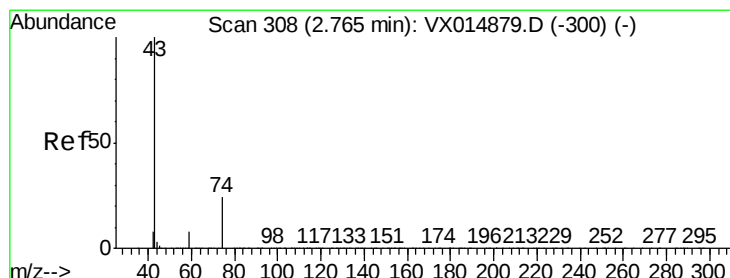
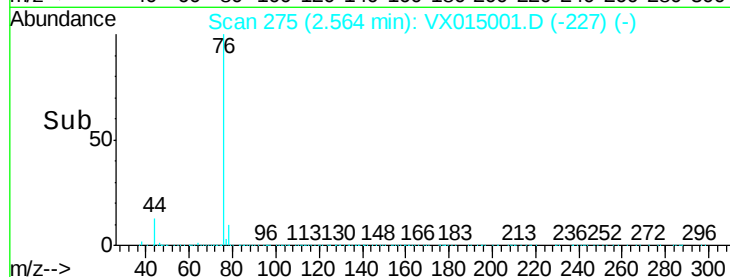
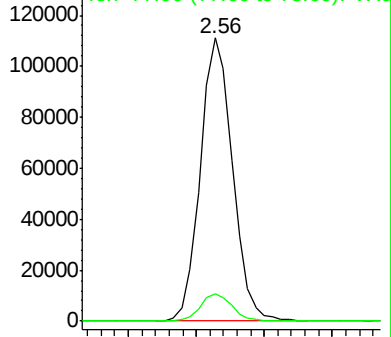
MMDadoda

2/25/2020 9:36:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.439 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX015001.D

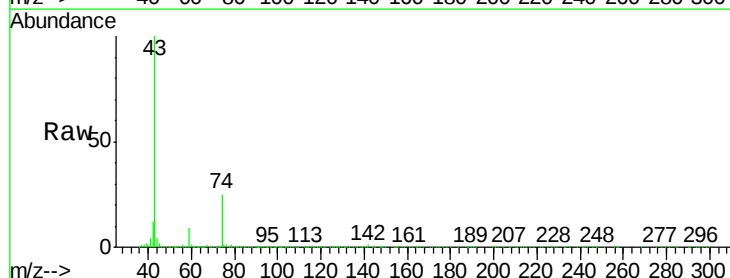
Acq: 24 Feb 2020 11:34

Tgt Ion: 43 Resp: 106506

Ion Ratio Lower Upper

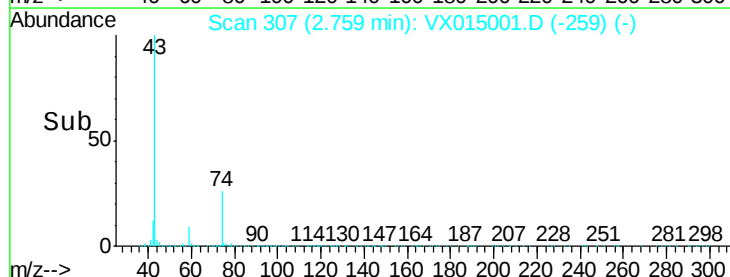
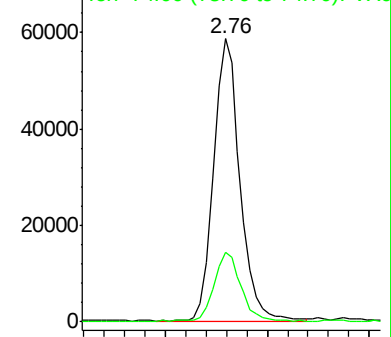
43 100

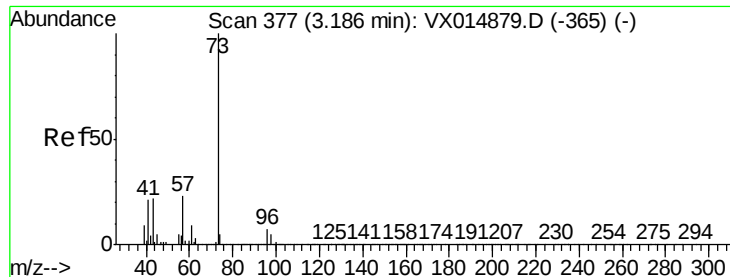
74 25.5 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





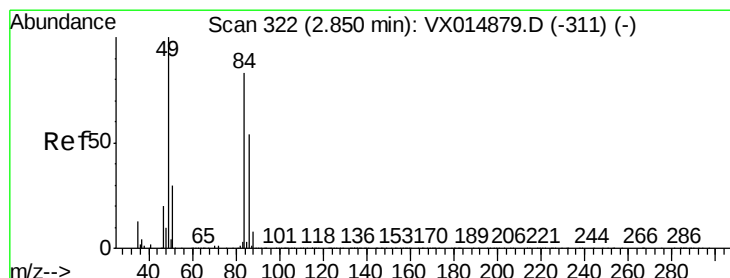
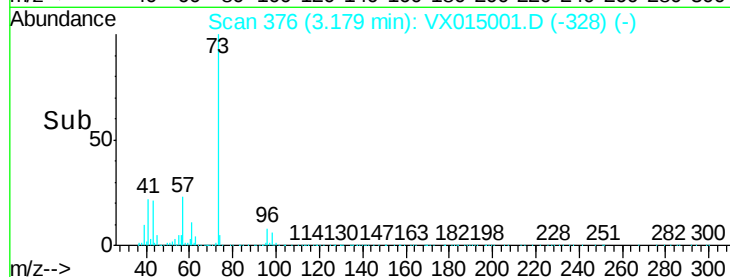
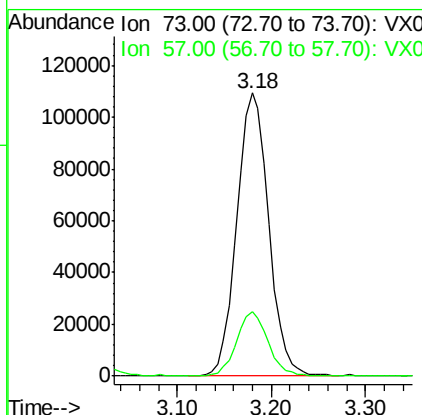
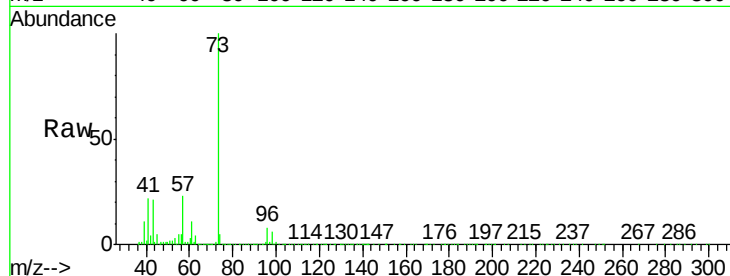
#19
Methvl tert-butvl Ether
Concen: 20.641 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.2	27.4

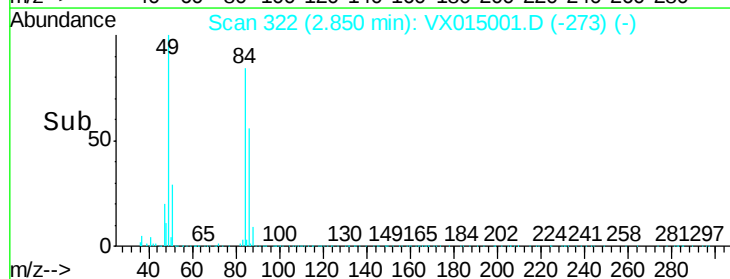
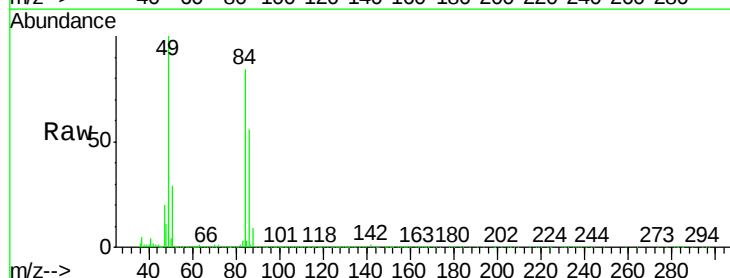
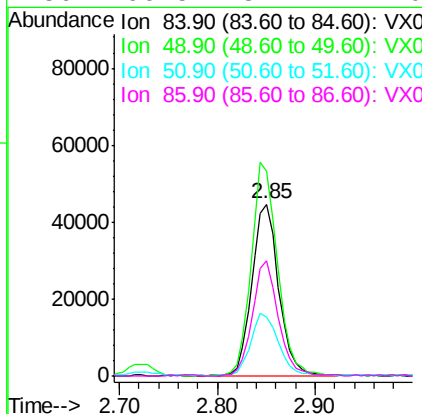
Manual Integrations
APPROVED

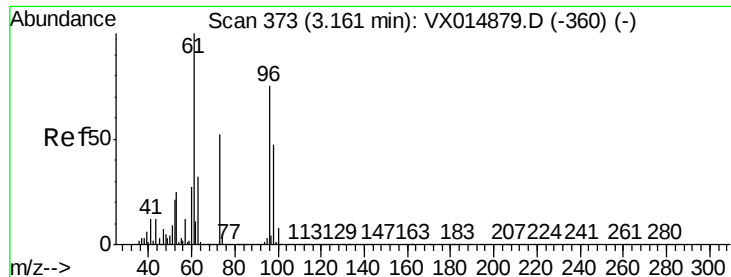
MMDadoda
2/25/2020 9:36:40 AM



#20
Methylene Chloride
Concen: 18.885 ug/l
RT: 2.85 min Scan# 322
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	95.6	143.4
51	34.2	29.0	43.6
86	66.5	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.255 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 96 Resp: 77098

Ion Ratio Lower Upper

96 100

61 135.8 106.9 160.3

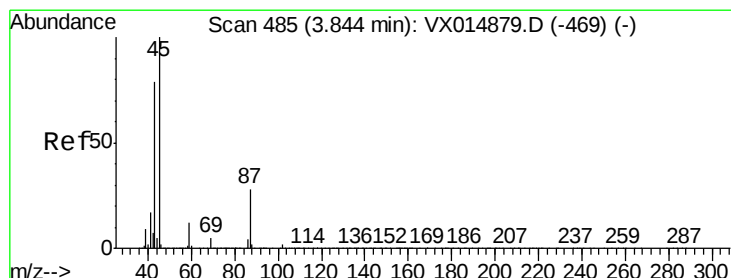
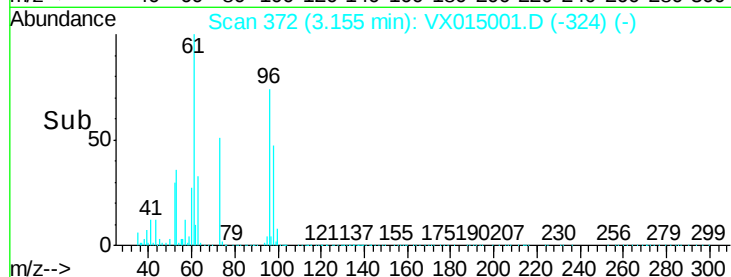
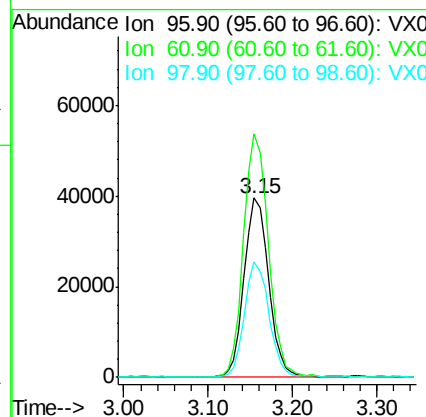
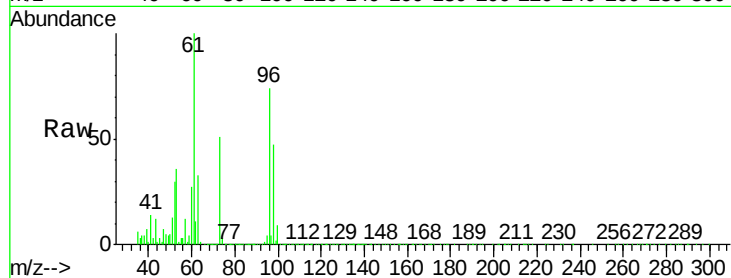
98 63.9 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

2/25/2020 9:36:40 AM



#22

Diisopropyl ether

Concen: 20.842 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion: 45 Resp: 270137

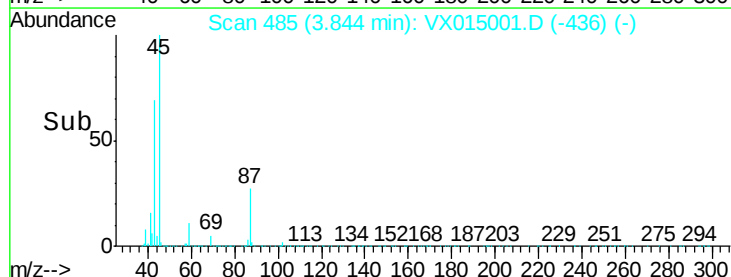
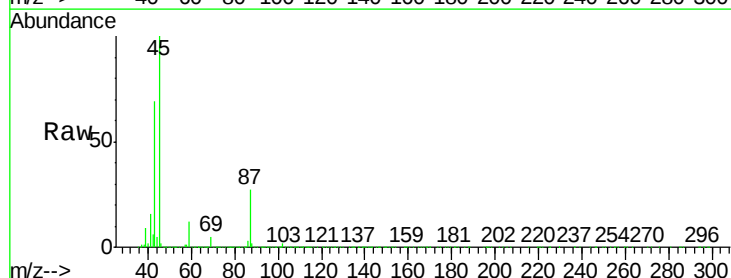
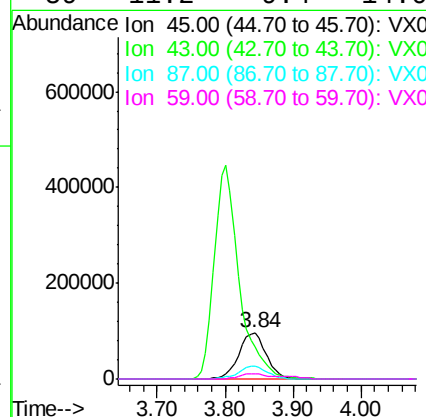
Ion Ratio Lower Upper

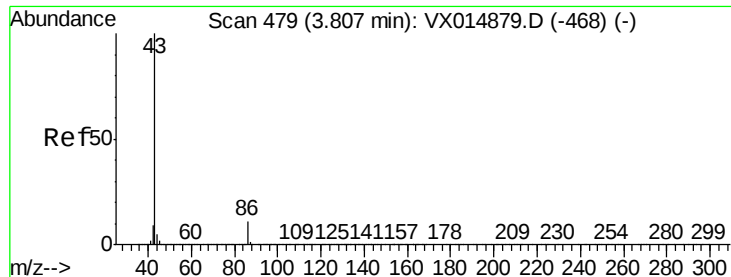
45 100

43 68.6 63.5 95.3

87 27.3 22.2 33.4

59 11.2 9.4 14.0





#23

Vinyl Acetate

Concen: 106.988 ug/l

RT: 3.80 min Scan# 478

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 43 Resp: 1143118

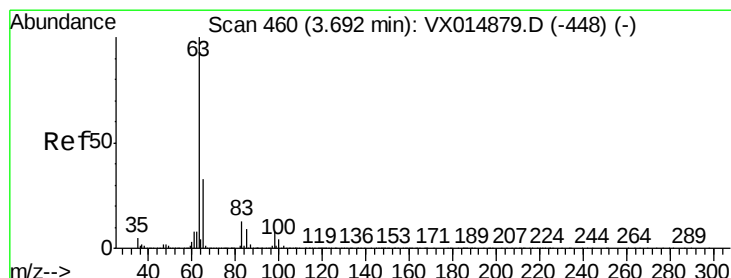
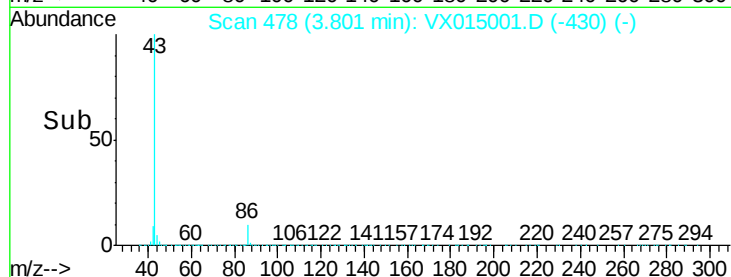
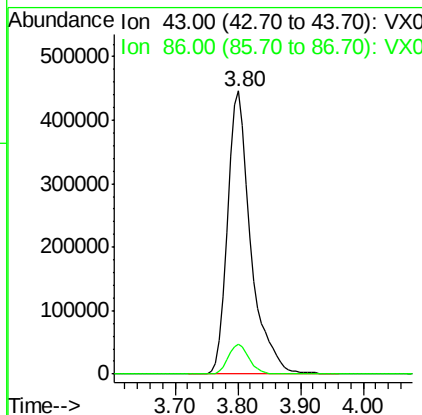
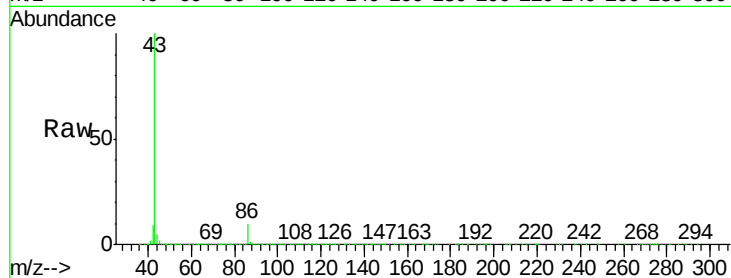
Ion Ratio Lower Upper

43 100

86 10.4 8.9 13.3

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#24

1,1-Dichloroethane

Concen: 19.534 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

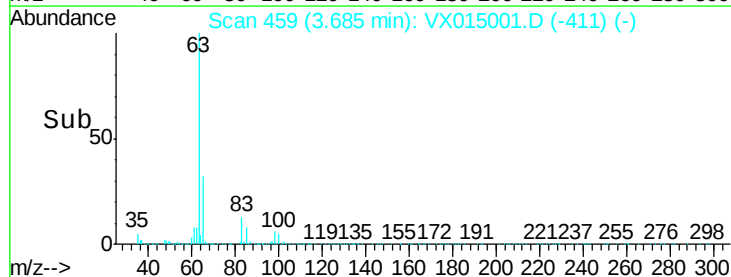
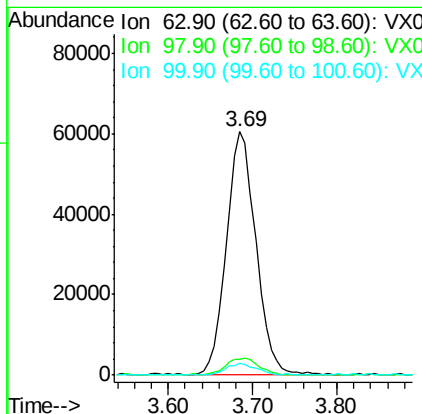
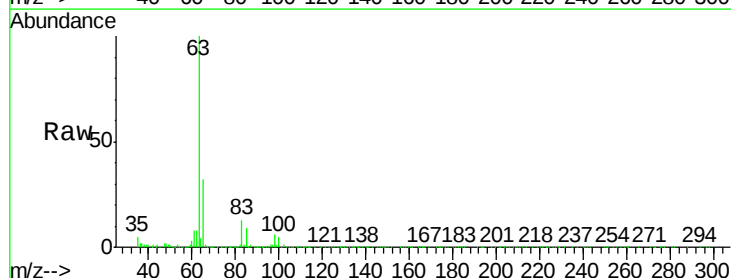
Tgt Ion: 63 Resp: 142889

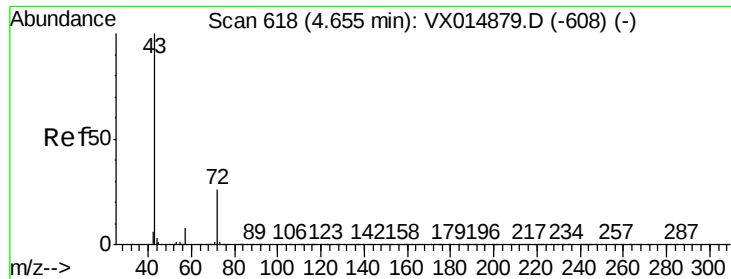
Ion Ratio Lower Upper

63 100

98 6.2 3.9 11.5

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 98.651 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 43 Resp: 316520

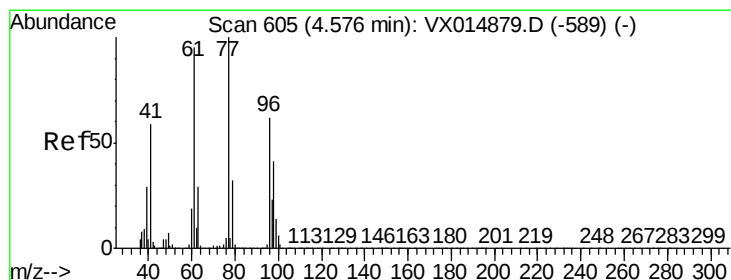
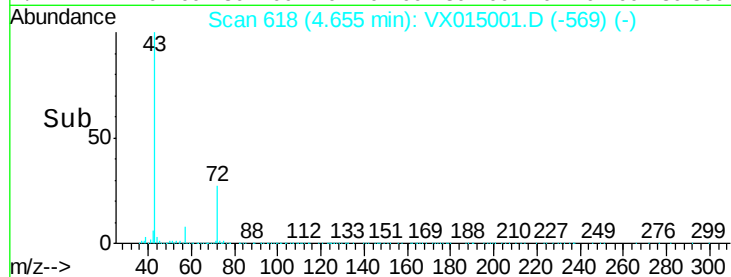
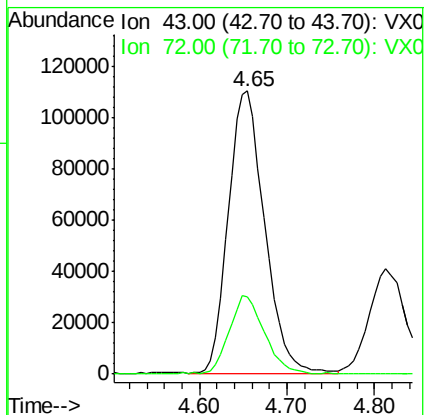
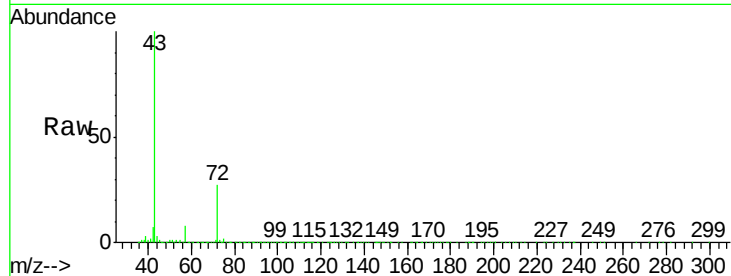
Ion Ratio Lower Upper

43 100

72 27.0 21.0 31.6

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#26

2,2-Dichloropropane

Concen: 18.808 ug/l

RT: 4.57 min Scan# 604

Delta R.T. -0.01 min

Lab File: VX015001.D

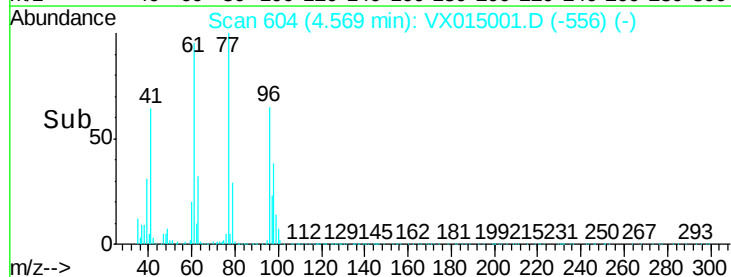
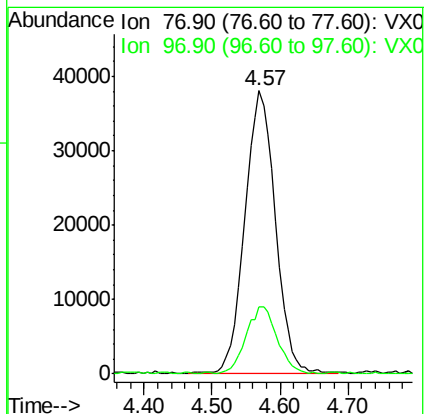
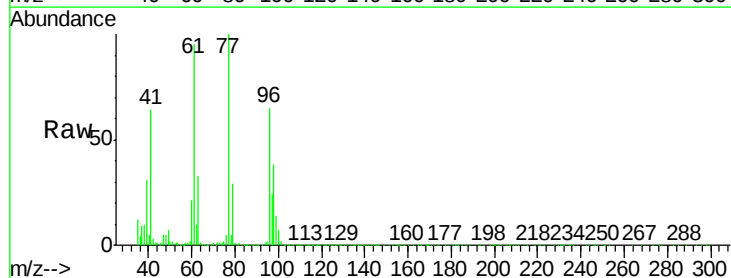
Acq: 24 Feb 2020 11:34

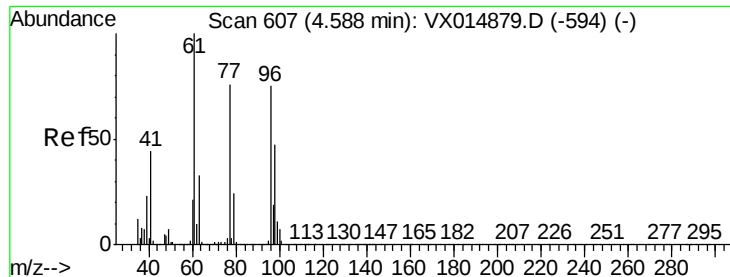
Tgt Ion: 77 Resp: 118564

Ion Ratio Lower Upper

77 100

97 24.3 11.9 35.5





#27

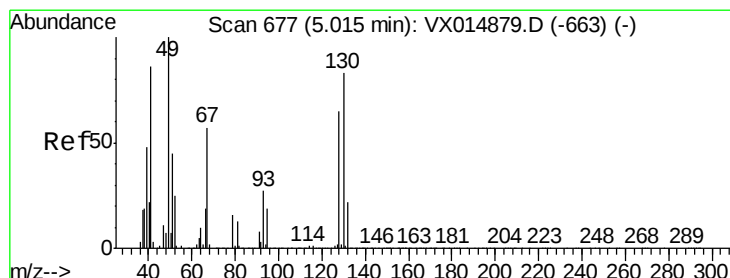
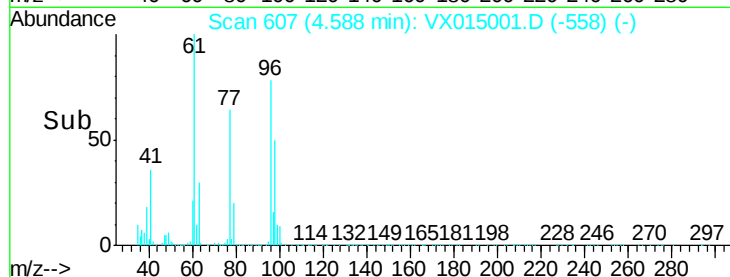
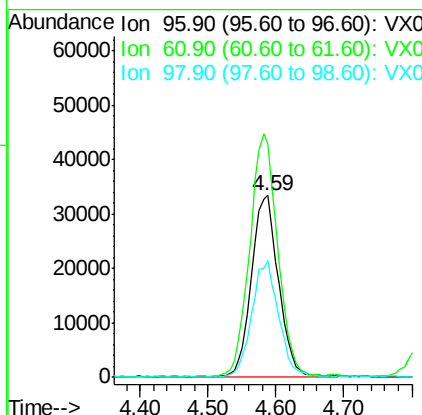
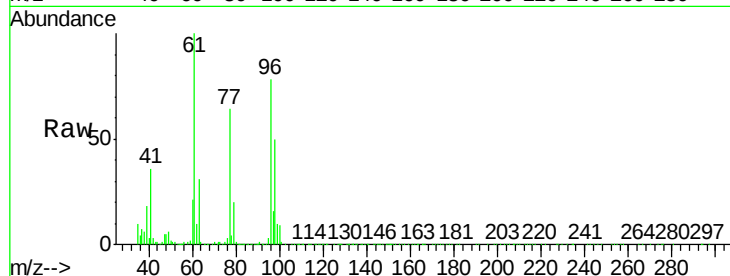
cis-1,2-Dichloroethene
Concen: 19.889 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	286.2
98	62.7	0.0	131.0

Manual Integrations
APPROVED

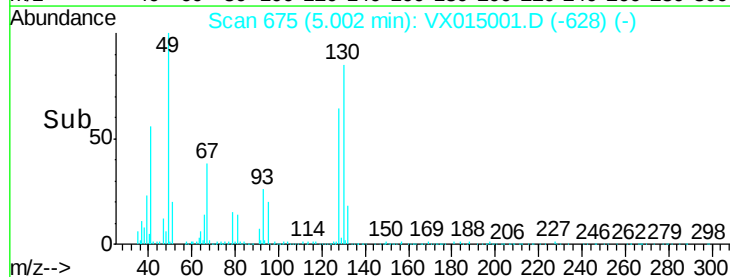
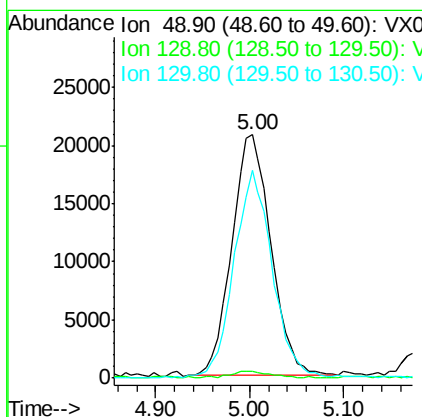
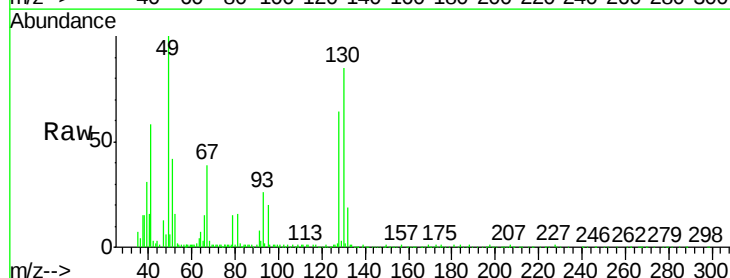
MMDadoda
2/25/2020 9:36:40 AM

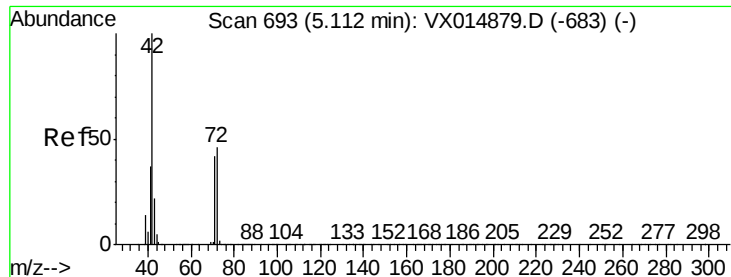


#28

Bromochloromethane
Concen: 21.216 ug/l
RT: 5.00 min Scan# 675
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.2
130	84.4	67.4	101.2





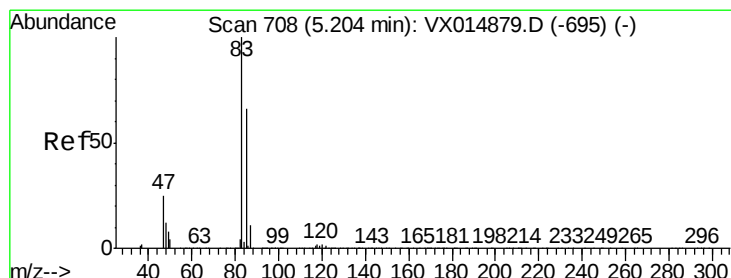
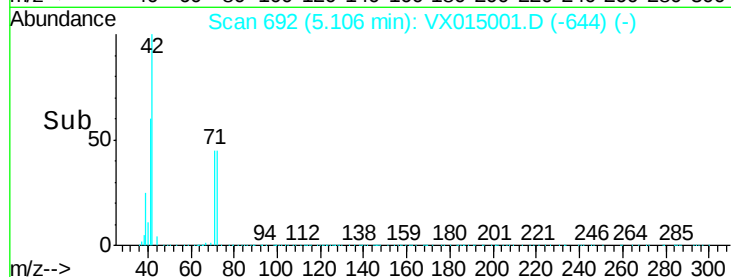
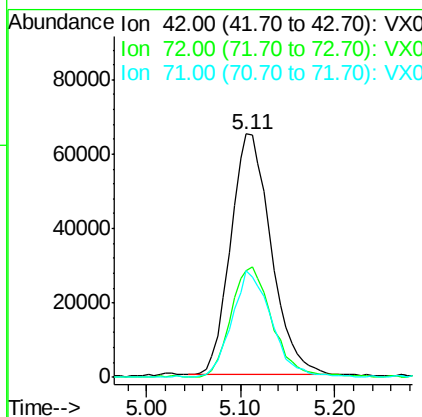
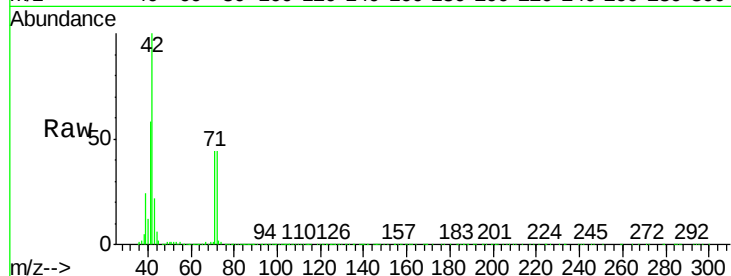
#29
Tetrahydrofuran
Concen: 106.795 ug/l
RT: 5.11 min Scan# 692
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.9	55.3
71	42.5	34.1	51.1

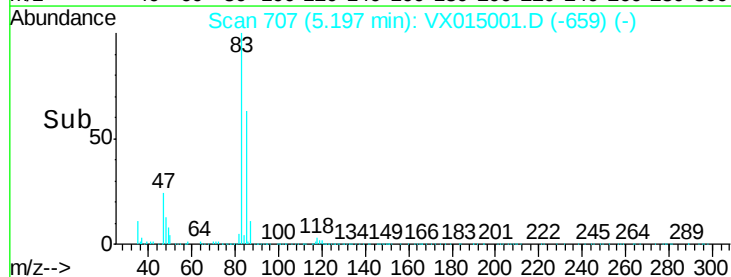
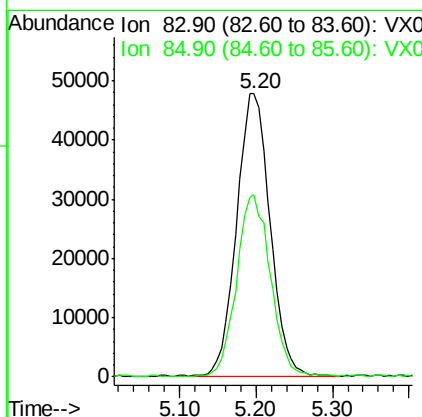
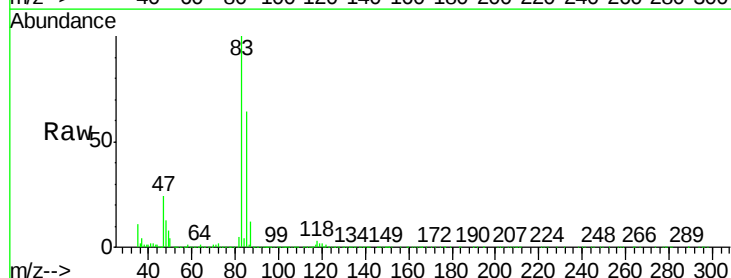
Manual Integrations
APPROVED

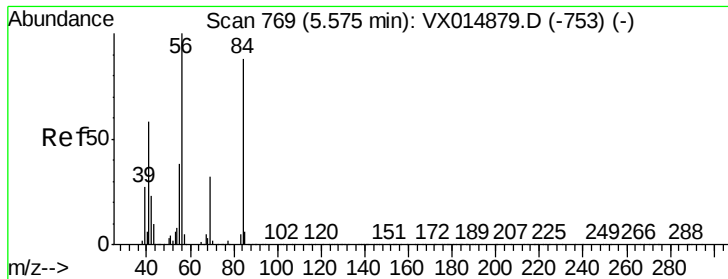
MMDadoda
2/25/2020 9:36:40 AM



#30
Chloroform
Concen: 20.160 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.9	79.3





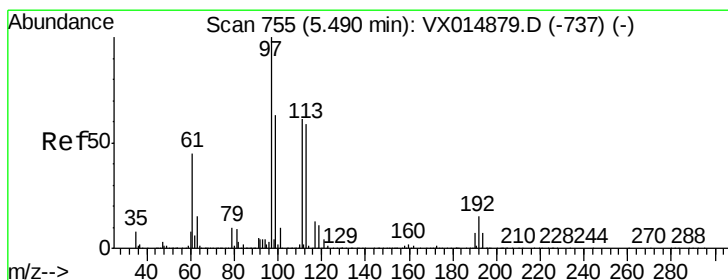
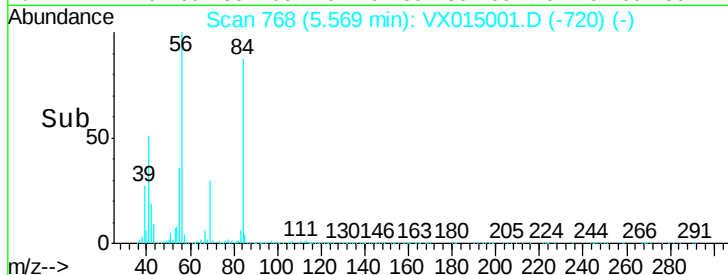
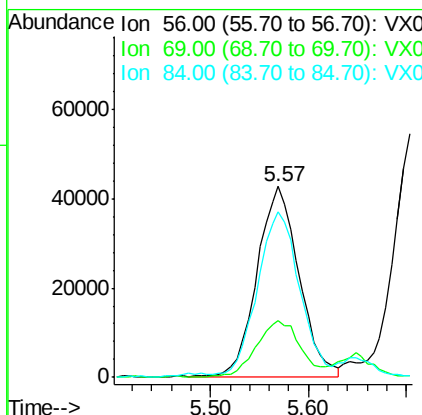
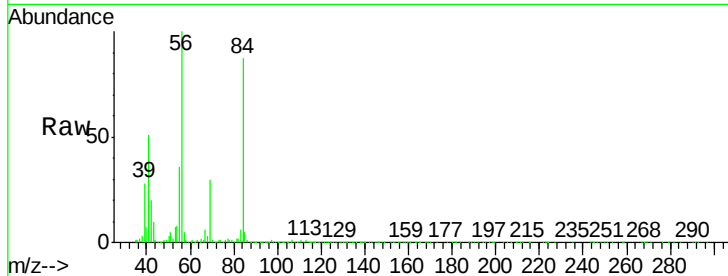
#31
Cyclohexane
Concen: 18.941 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	25.9	38.9
84	85.3	70.4	105.6

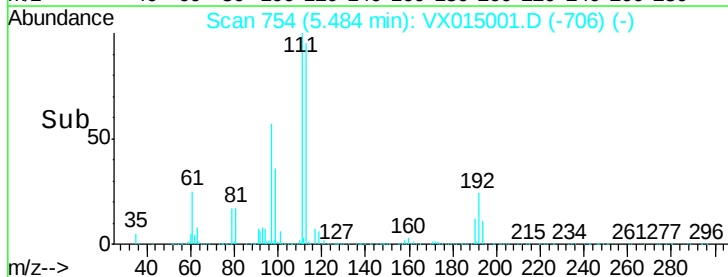
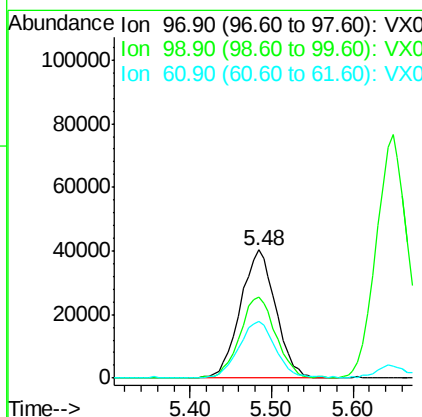
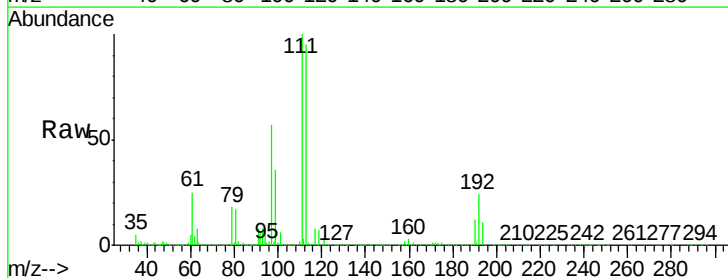
Manual Integrations
APPROVED

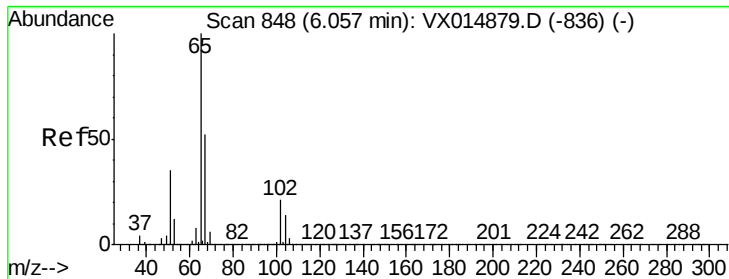
MMDadoda
2/25/2020 9:36:40 AM



#32
1,1,1-Trichloroethane
Concen: 18.977 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	45.4	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 50.520 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 65 Resp: 238090

Ion Ratio Lower Upper

65 100

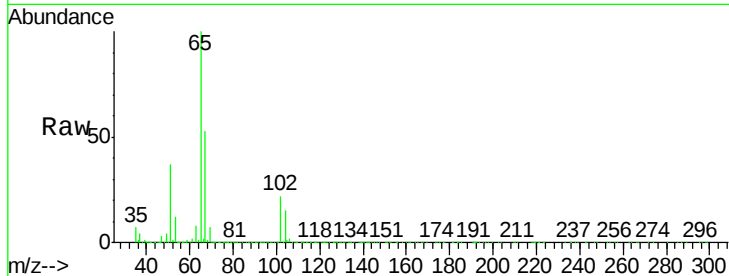
67 52.0 0.0 103.0

Manual Integrations

APPROVED

MMDadoda

2/25/2020 9:36:40 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

100000

80000

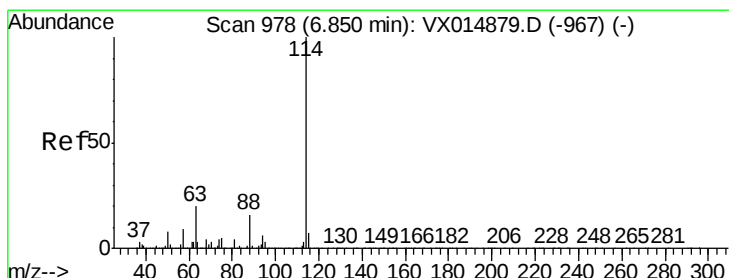
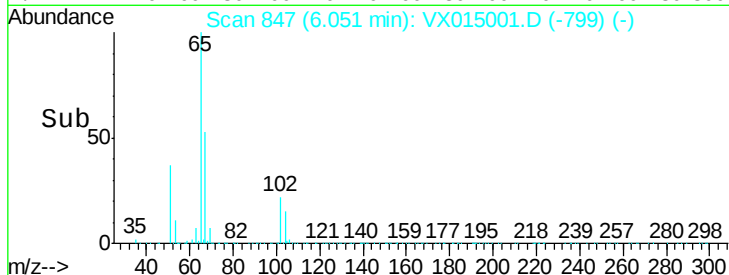
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

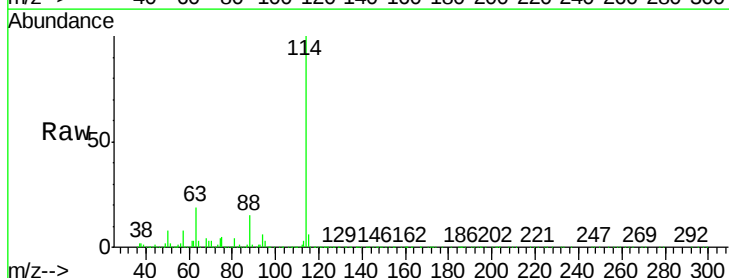
Tgt Ion: 114 Resp: 618959

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.2

88 15.4 0.0 32.0



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

6.85

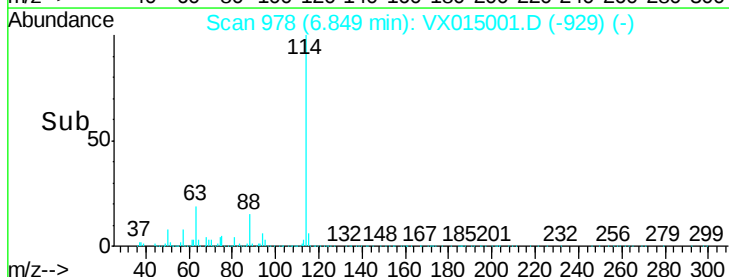
300000

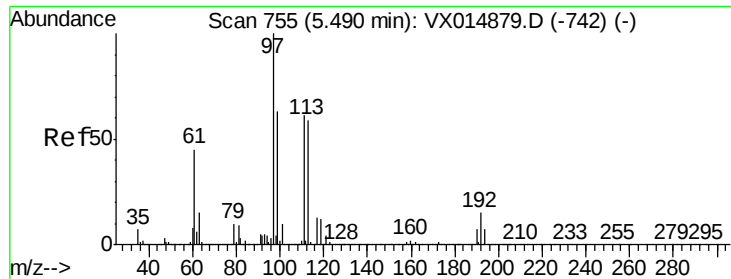
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.026 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

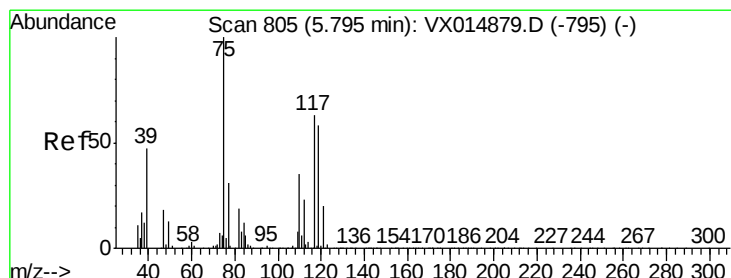
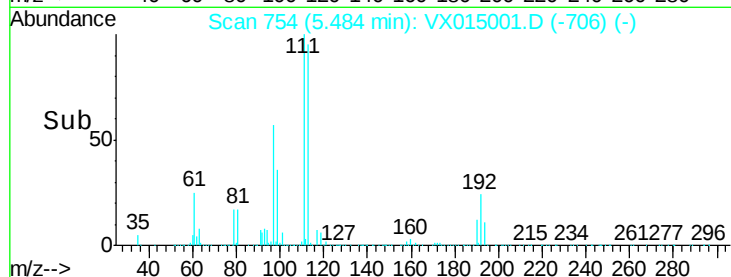
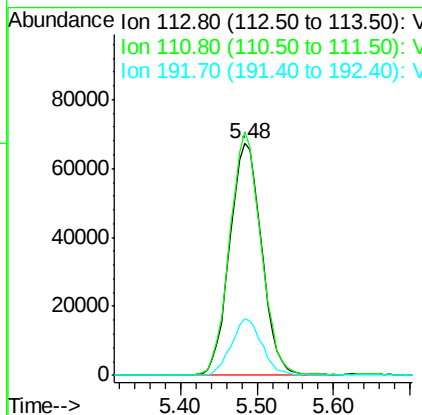
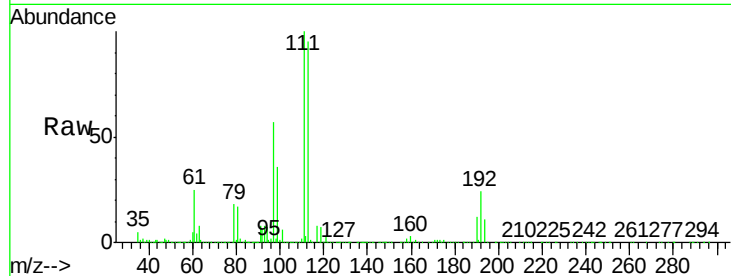
ClientSampleId :

VX0224WBSD01

Tot Ion:	113	Resp:	194164
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.4	123.6
192	23.8	19.1	28.7

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#36

1,1-Dichloropropene

Concen: 19.442 ug/l

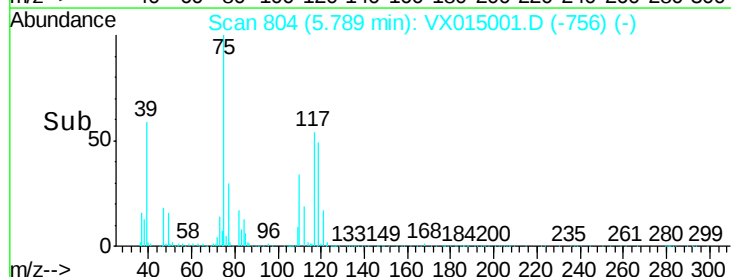
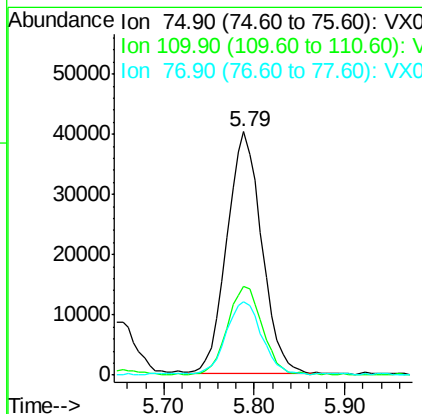
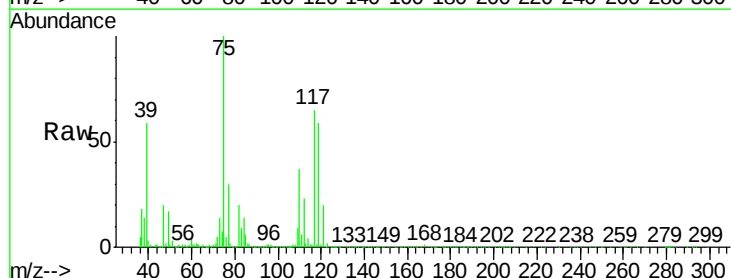
RT: 5.79 min Scan# 804

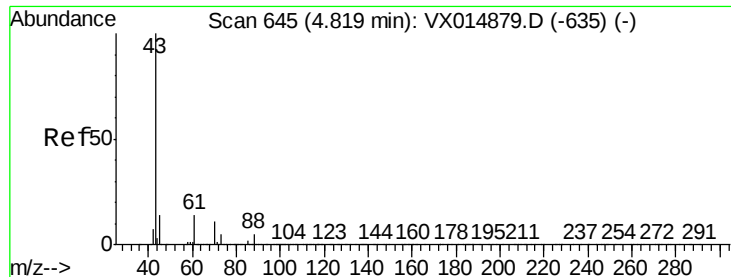
Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	75	Resp:	107647
Ion Ratio	Lower	Upper	
75	100		
110	35.9	18.3	54.8
77	30.0	24.6	36.8





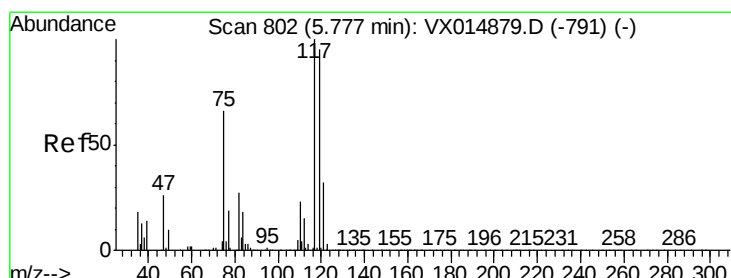
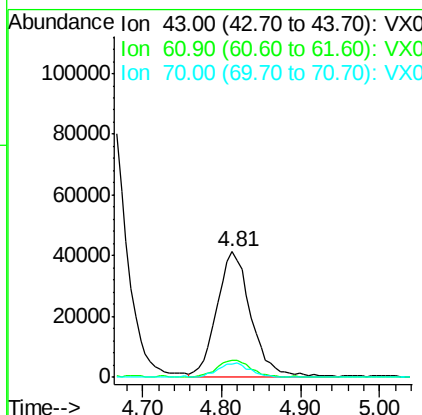
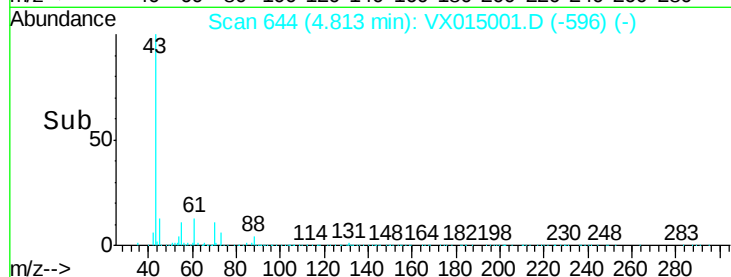
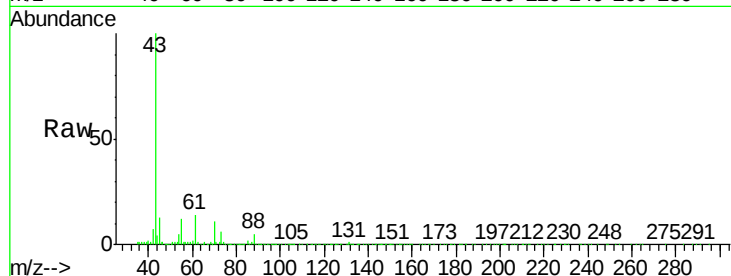
#37
Ethyl Acetate
Concen: 21.152 ug/l
RT: 4.81 min Scan# 644
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.9	16.3
70	10.3	8.7	13.1

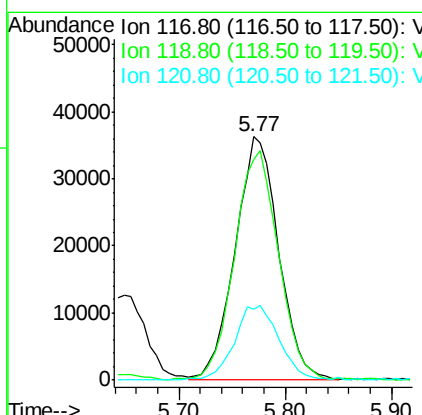
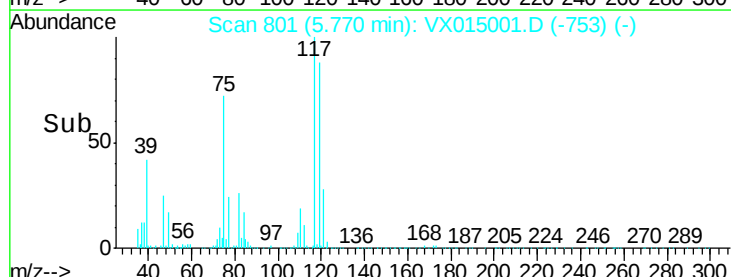
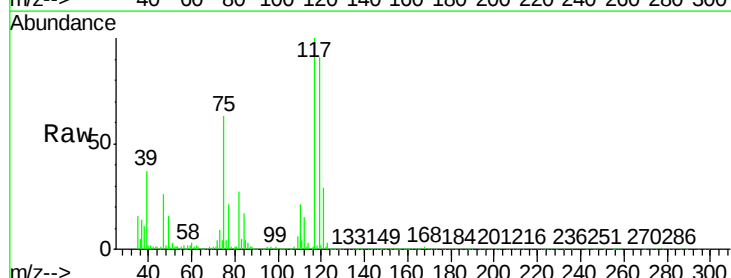
Manual Integrations
APPROVED

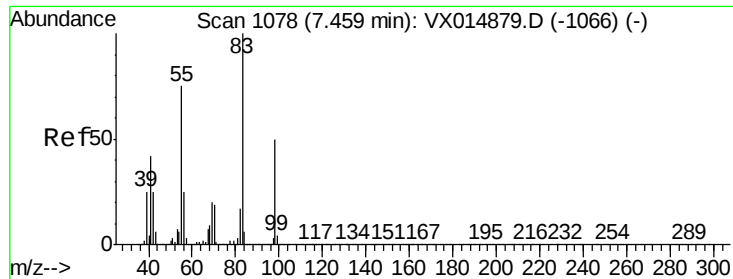
MMDadoda
2/25/2020 9:36:40 AM



#38
Carbon Tetrachloride
Concen: 19.075 ug/l
RT: 5.77 min Scan# 801
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.0	114.0
121	28.7	25.4	38.2





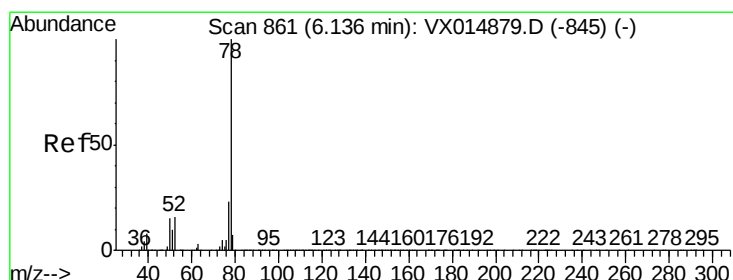
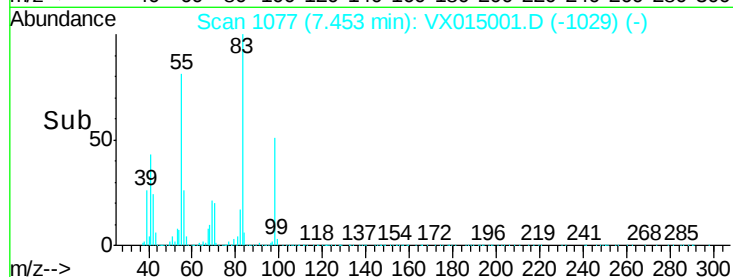
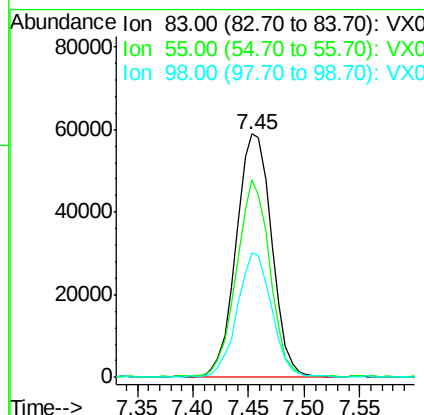
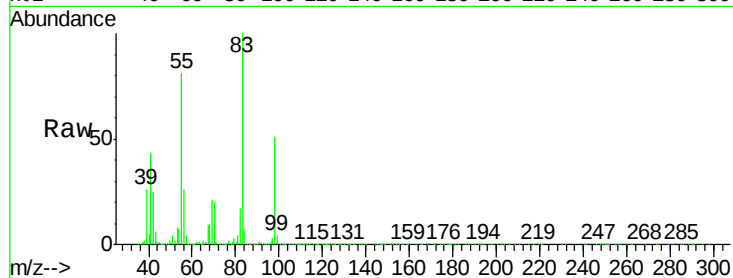
#39
Methvlcvclohexane
Concen: 18.750 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129836		
55	80.8	60.0	90.0	
98	50.9	39.6	59.4	

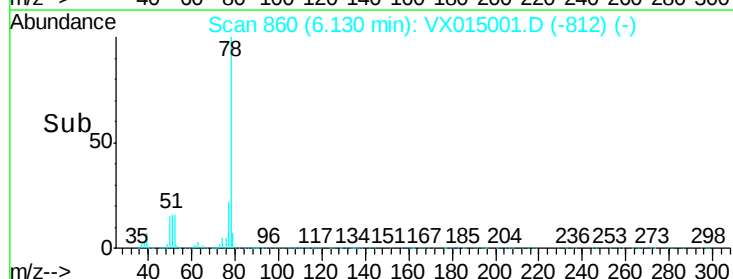
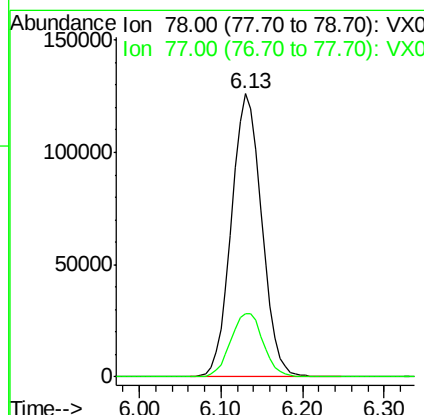
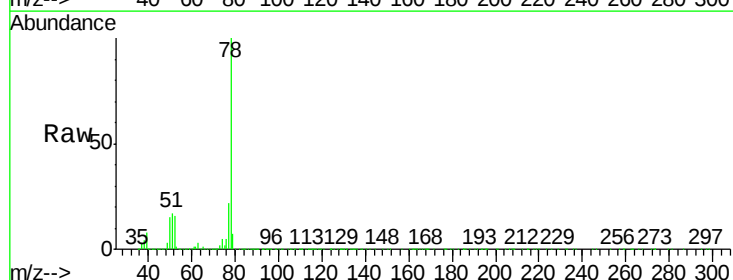
Manual Integrations
APPROVED

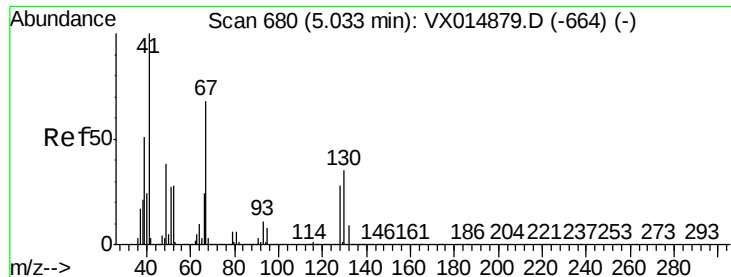
MMDadoda
2/25/2020 9:36:40 AM



#40
Benzene
Concen: 19.551 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	323431		
77	22.2	18.8	28.2	





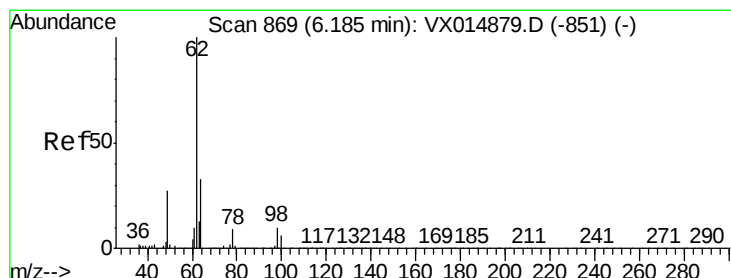
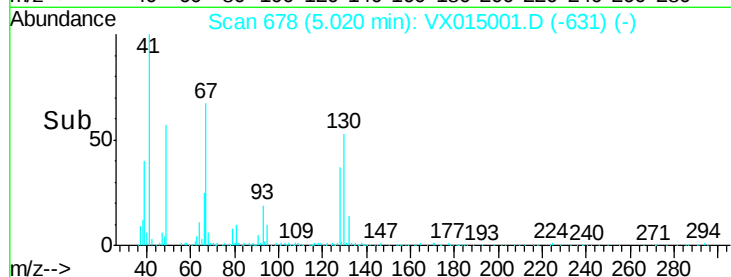
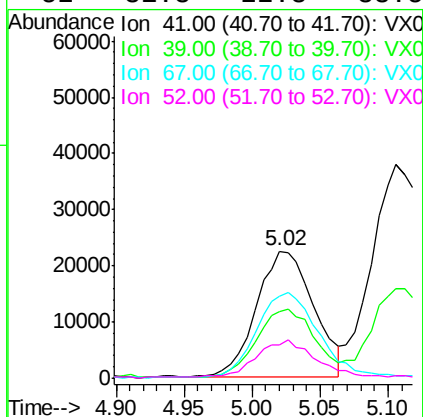
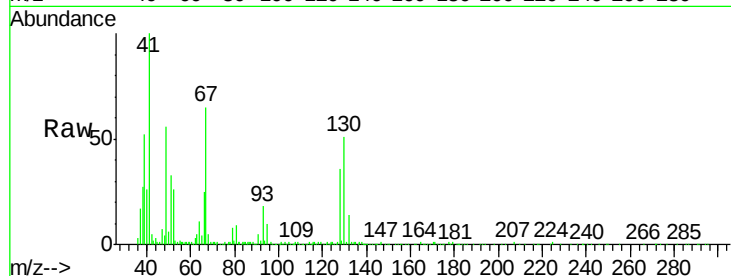
#41
Methacrylonitrile
Concen: 21.195 ug/l
RT: 5.02 min Scan# 678
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		65936		
39	54.4	44.7	67.1		
67	73.1	56.6	84.8		
52	31.3	22.3	33.5		

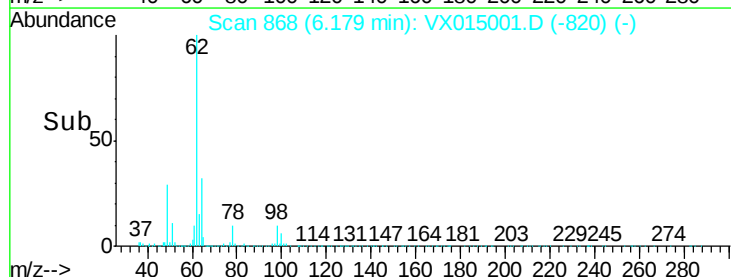
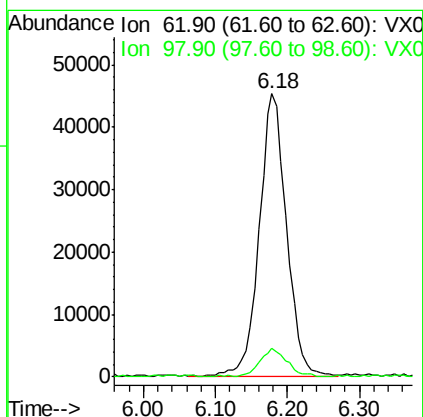
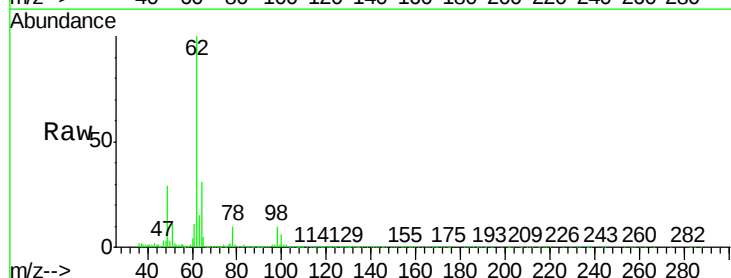
Manual Integrations
APPROVED

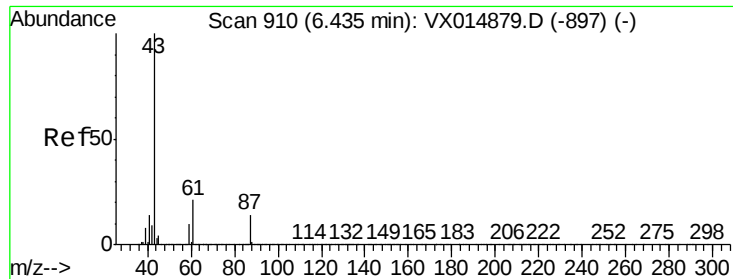
MMDadoda
2/25/2020 9:36:40 AM



#42
1,2-Dichloroethane
Concen: 20.112 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		120254		
98	9.5	0.0	19.2		





#43

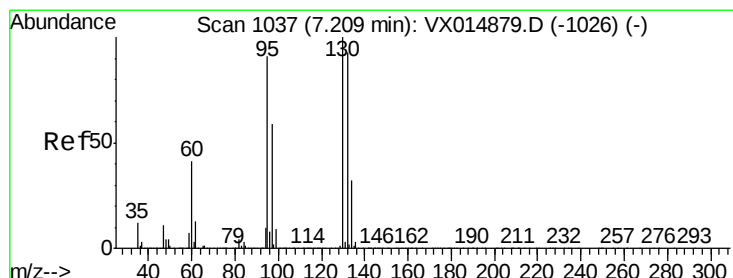
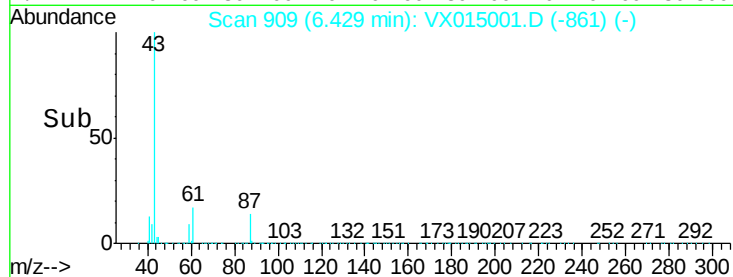
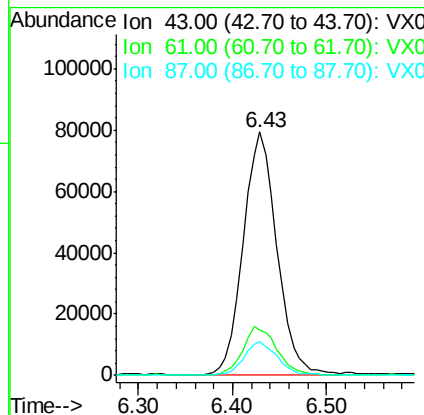
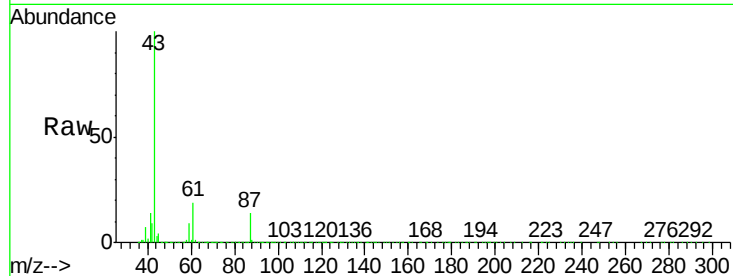
Isopropyl Acetate
 Concen: 20.702 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.2	24.4
87	13.7	11.0	16.6

Manual Integrations
 APPROVED

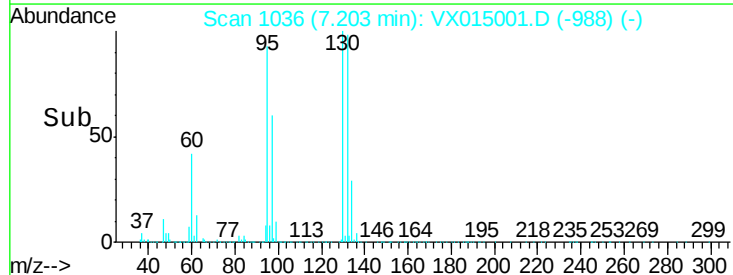
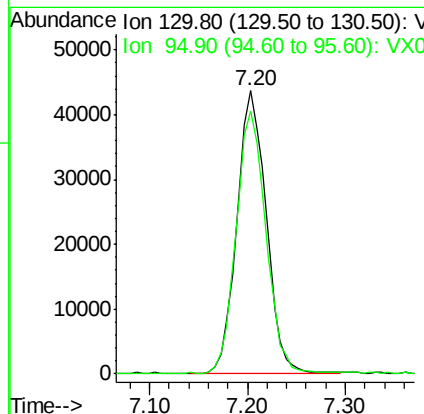
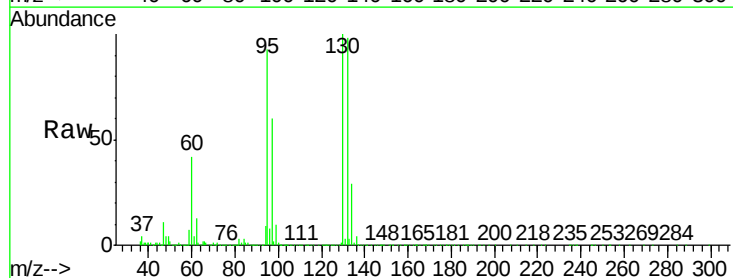
MMDadoda
 2/25/2020 9:36:40 AM

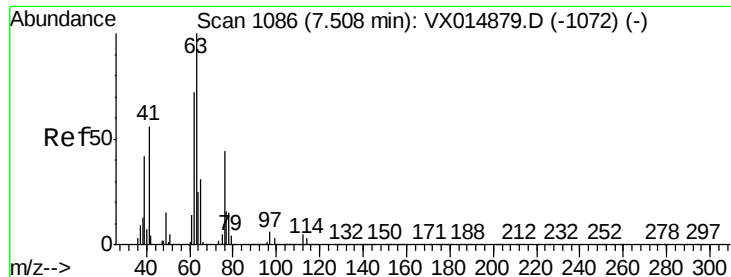


#44

Trichloroethene
 Concen: 19.066 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	182.6





#45

1,2-Dichloropropane

Concen: 20.460 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 63 Resp: 86322

Ion Ratio Lower Upper

63 100

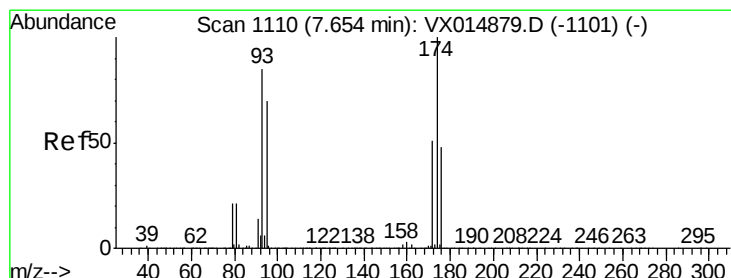
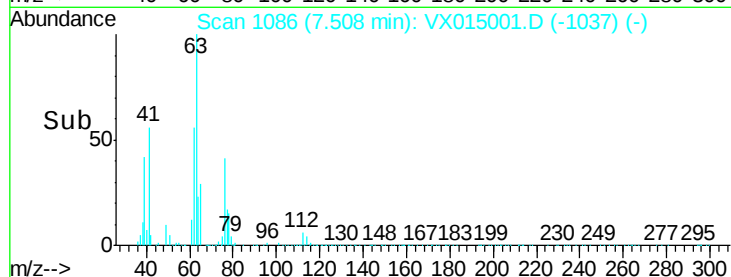
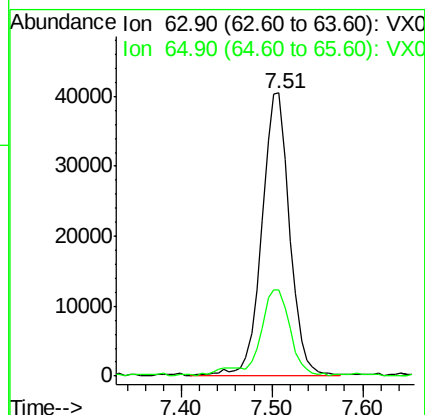
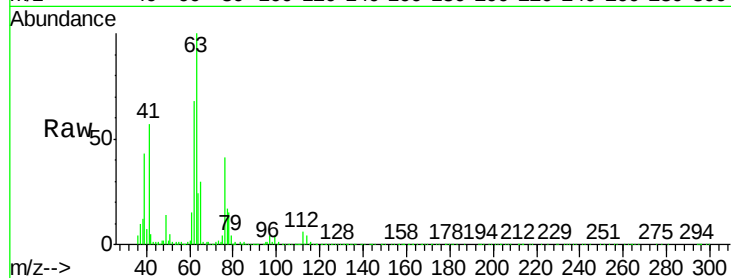
65 30.1 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

2/25/2020 9:36:40 AM



#46

Dibromomethane

Concen: 19.446 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

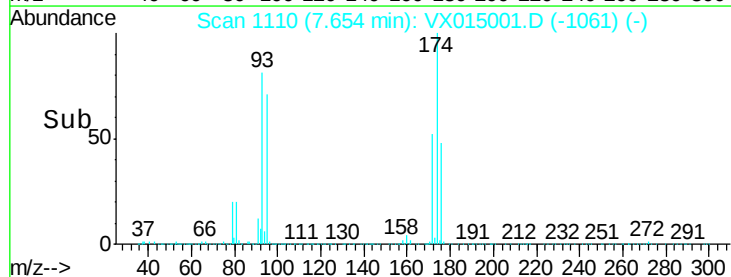
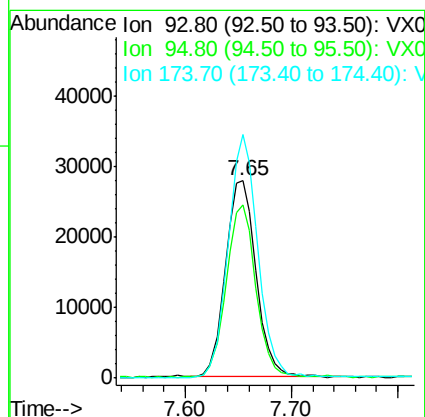
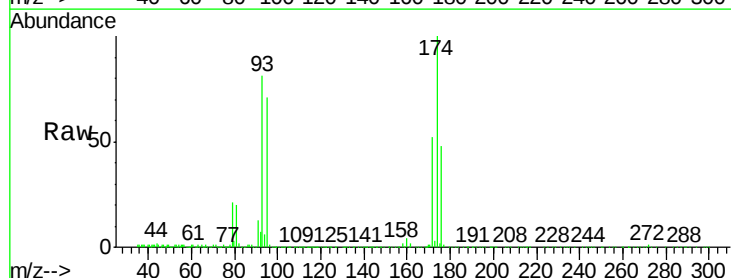
Tgt Ion: 93 Resp: 56079

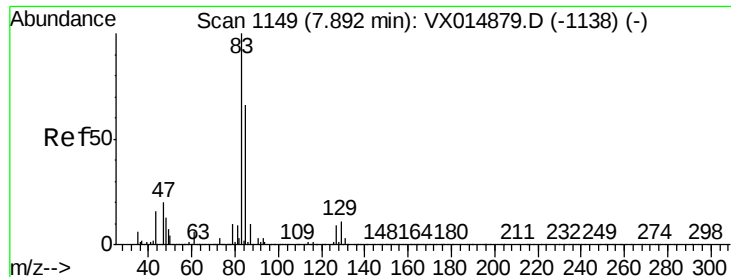
Ion Ratio Lower Upper

93 100

95 86.7 65.8 98.8

174 121.7 95.4 143.2





#47

Bromodichloromethane

Concen: 19.485 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

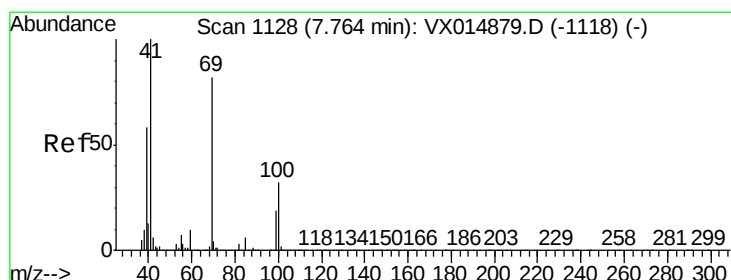
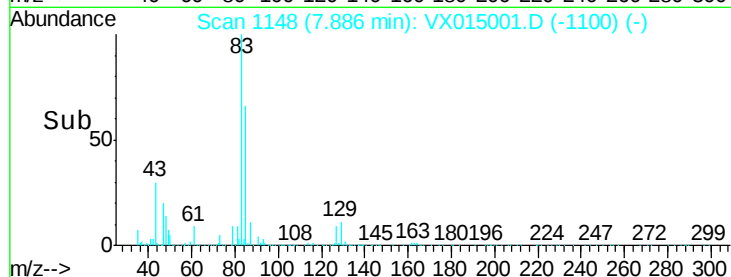
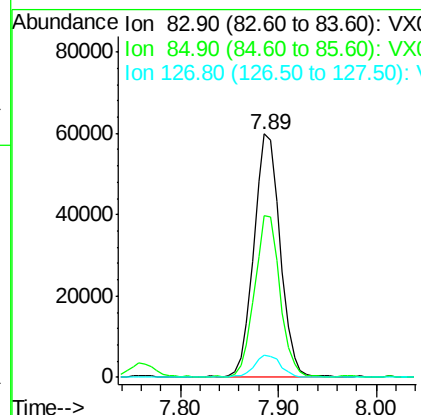
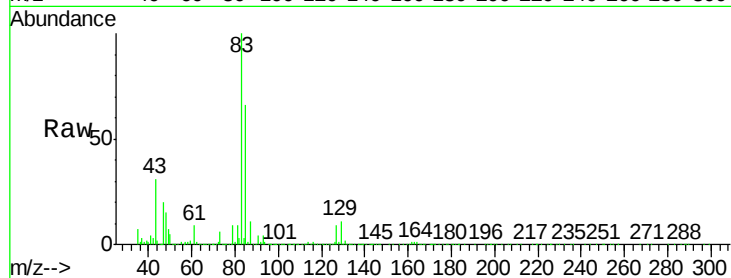
ClientSampleId :

VX0224WBSD01

Tot Ion:	83	Resp:	111416
Ion Ratio		Lower	Upper
83	100		
85	66.1	52.5	78.7
127	8.8	7.4	11.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#48

Methyl methacrylate

Concen: 20.614 ug/l

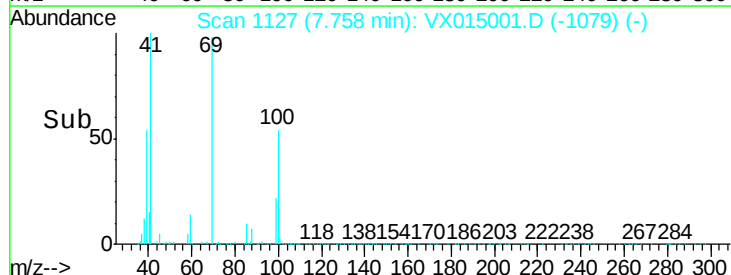
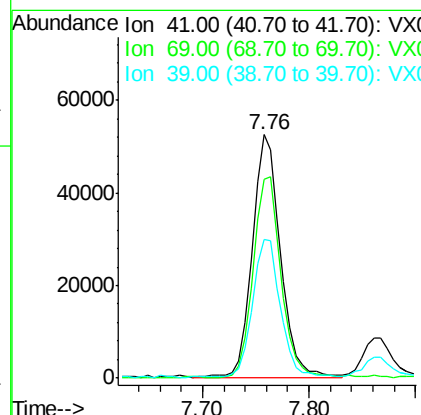
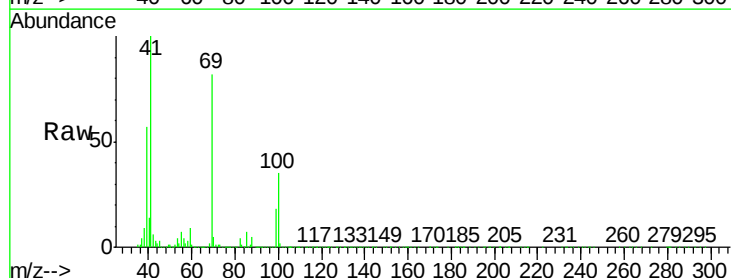
RT: 7.76 min Scan# 1127

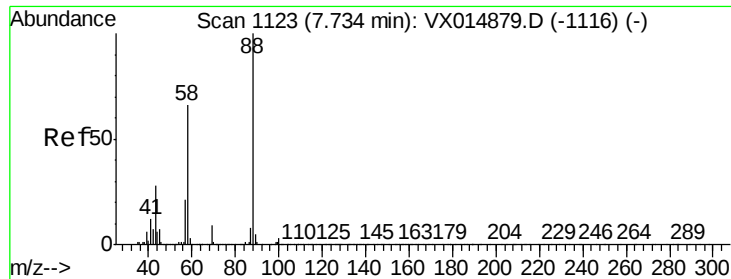
Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	41	Resp:	96641
Ion Ratio		Lower	Upper
41	100		
69	82.6	65.7	98.5
39	56.6	45.8	68.8





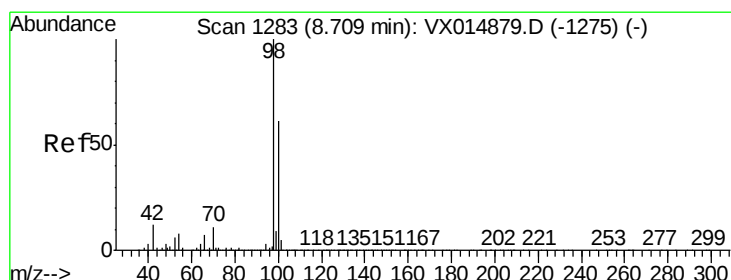
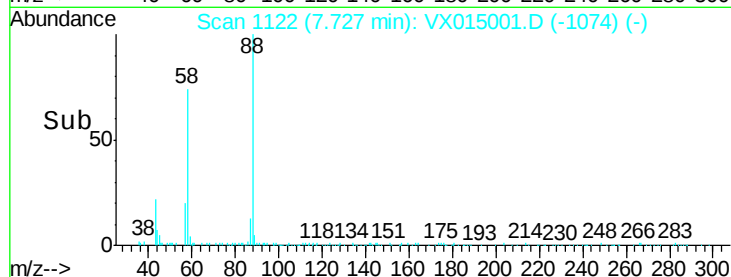
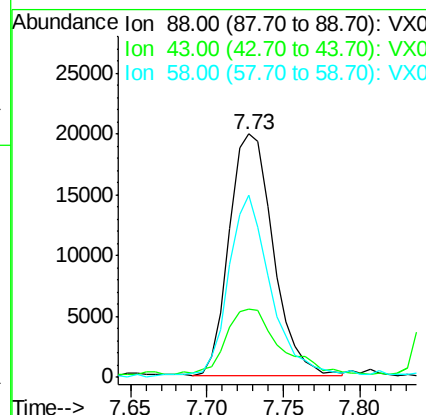
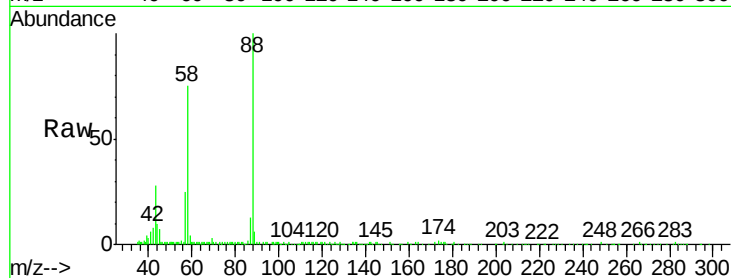
#49
1,4-Dioxane
Concen: 449.767 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.0	40.4
58	73.9	53.2	79.8

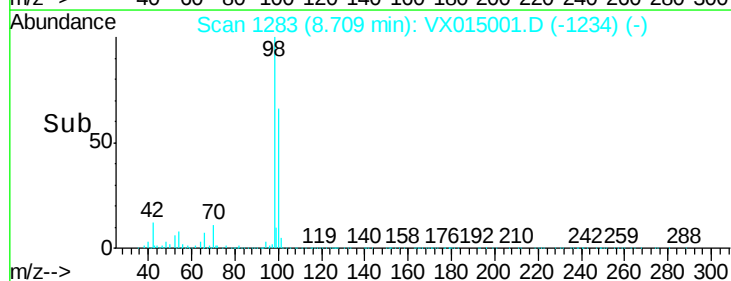
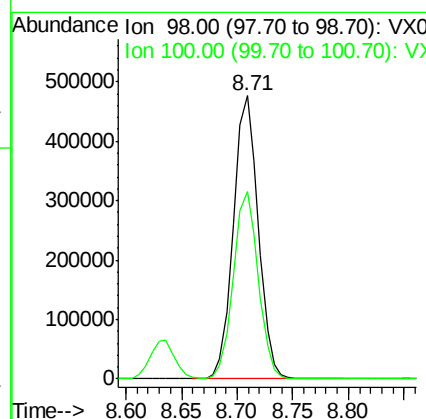
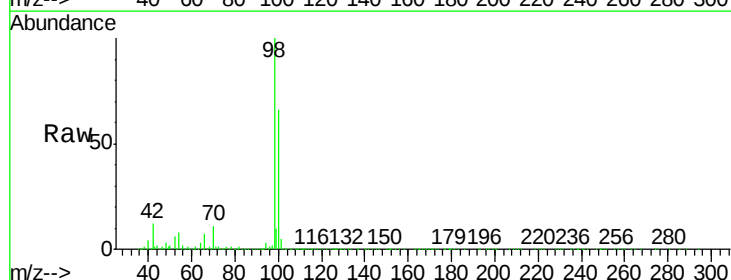
Manual Integrations
APPROVED

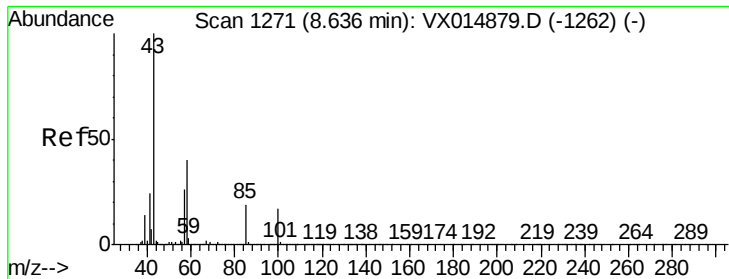
MMDadoda
2/25/2020 9:36:40 AM



#50
Toluene-d8
Concen: 50.510 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 107.925 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 43 Resp: 620799

Ion Ratio Lower Upper

43 100

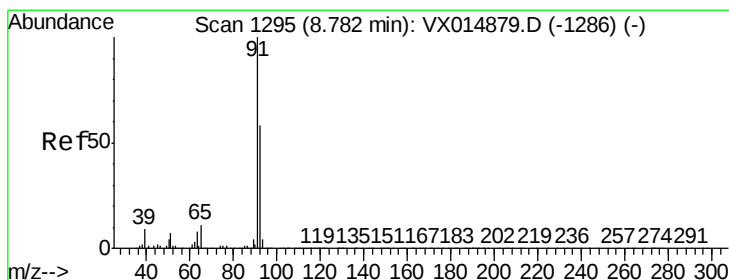
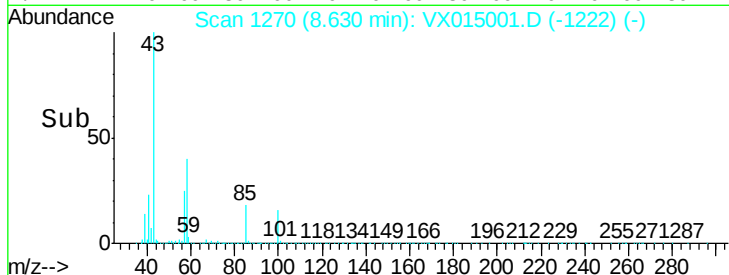
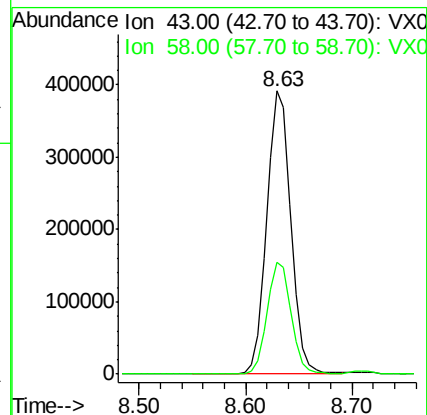
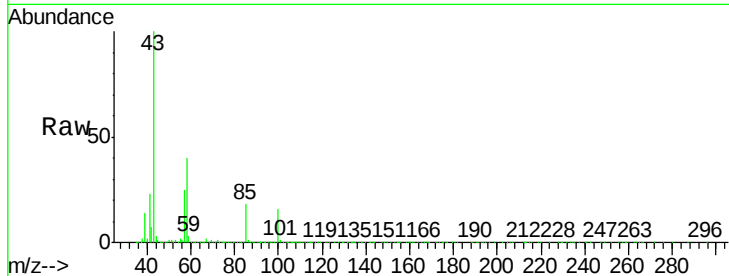
58 39.5 31.9 47.9

Manual Integrations

APPROVED

MMDadoda

2/25/2020 9:36:40 AM



#52

Toluene

Concen: 19.746 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX015001.D

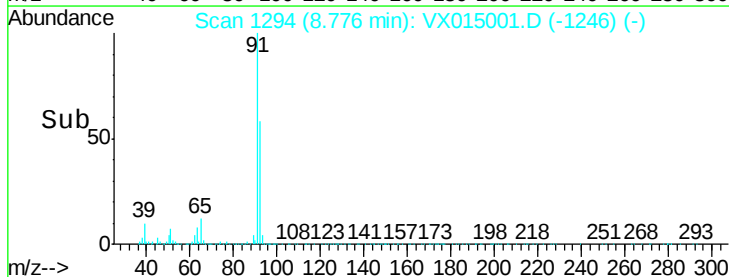
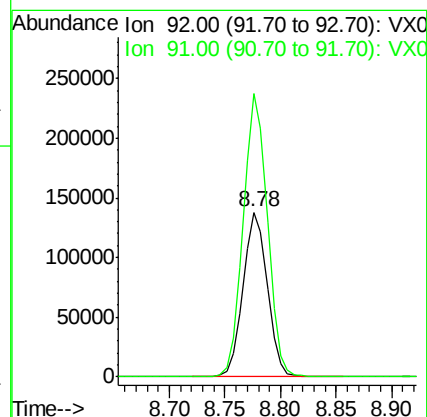
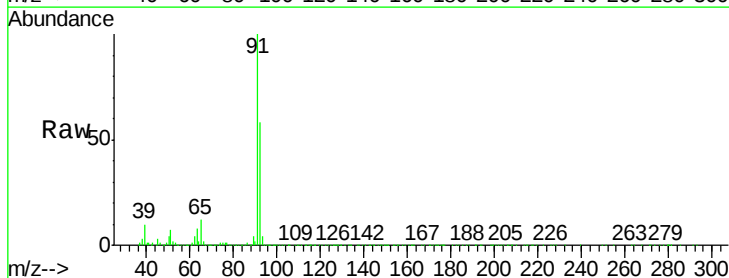
Acq: 24 Feb 2020 11:34

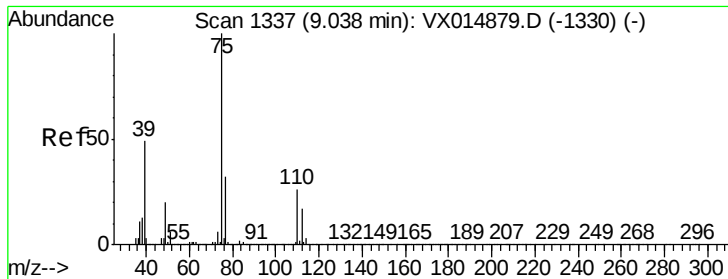
Tgt Ion: 92 Resp: 207476

Ion Ratio Lower Upper

92 100

91 171.6 137.0 205.4





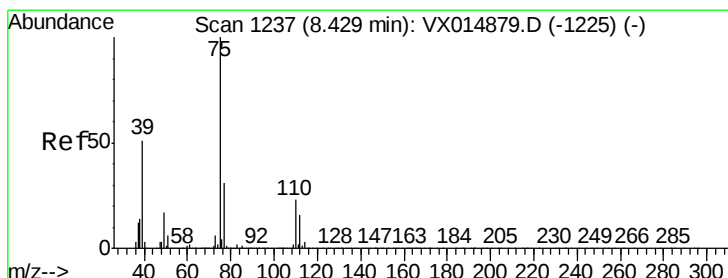
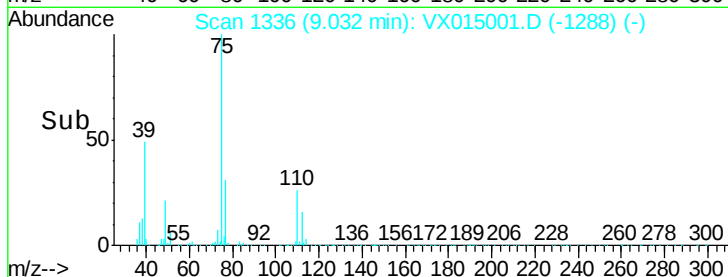
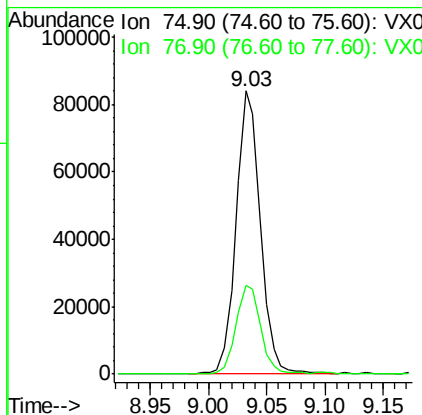
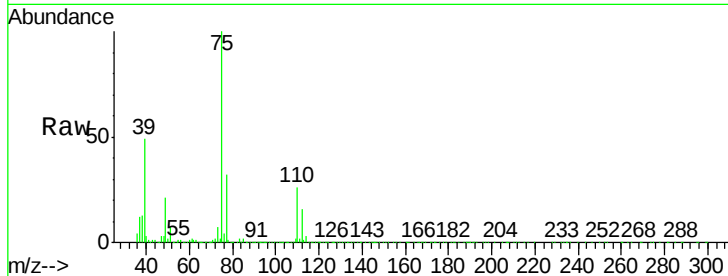
#53
t-1,3-Dichloropropene
Concen: 19.313 ug/l
RT: 9.03 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

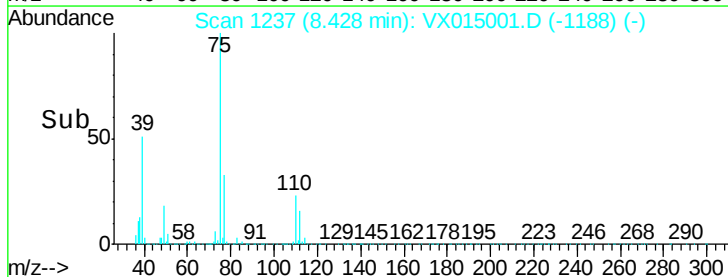
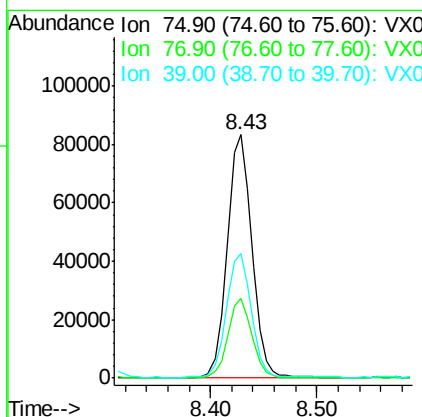
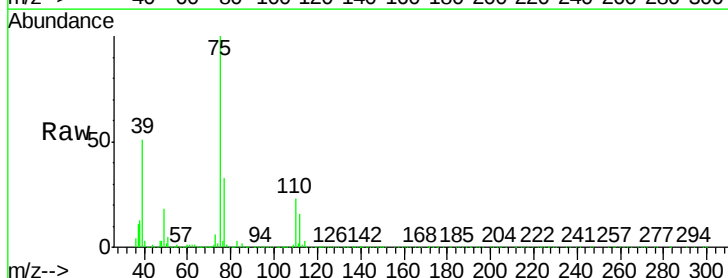
Manual Integrations
APPROVED

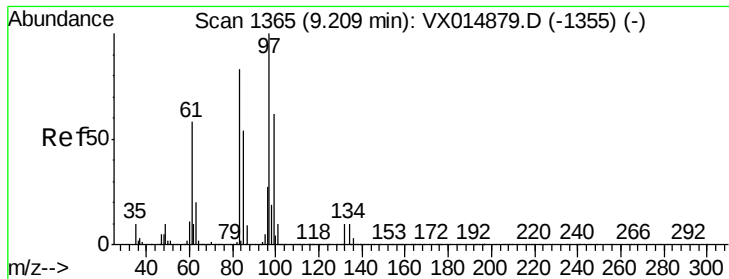
MMDadoda
2/25/2020 9:36:40 AM



#54
cis-1,3-Dichloropropene
Concen: 19.622 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.6	37.0
39	50.7	40.9	61.3





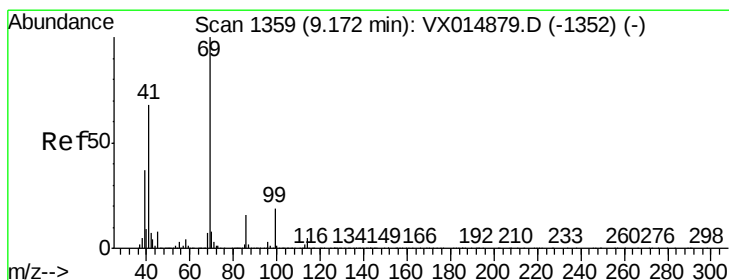
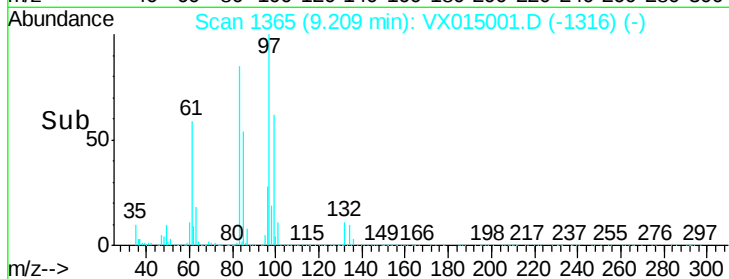
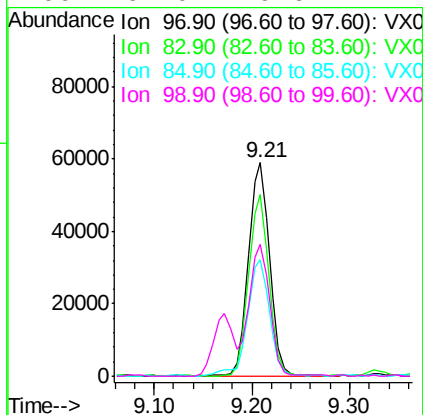
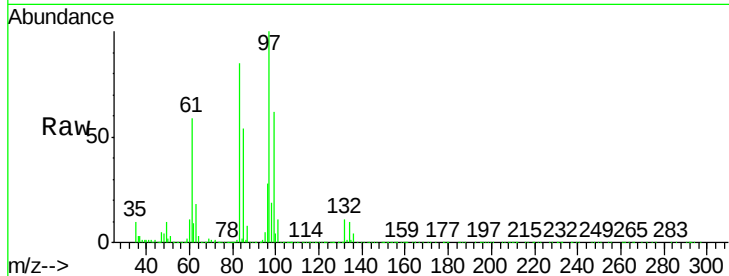
#55
 1,1,2-Trichloroethane
 Concen: 20.643 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		87755		
83	84.9	66.6	99.8		
85	54.1	43.5	65.3		
99	62.0	49.6	74.4		

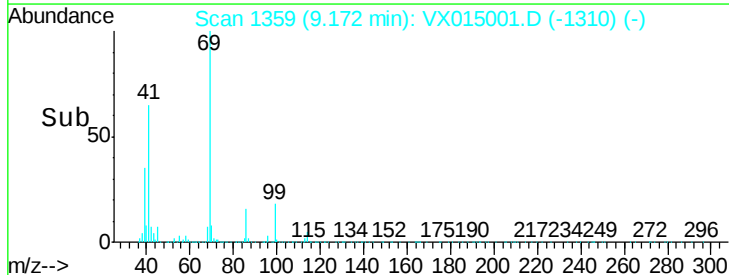
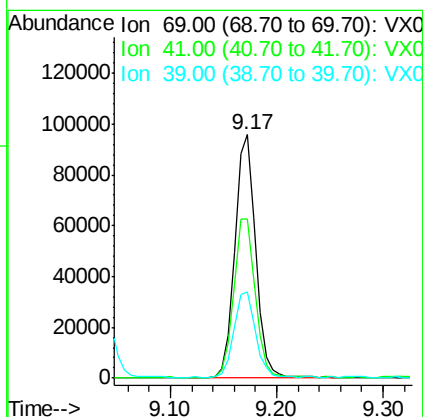
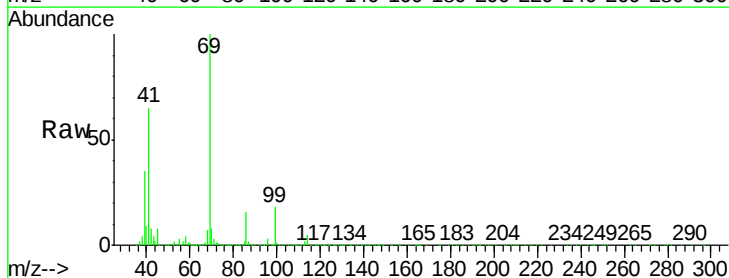
Manual Integrations
 APPROVED

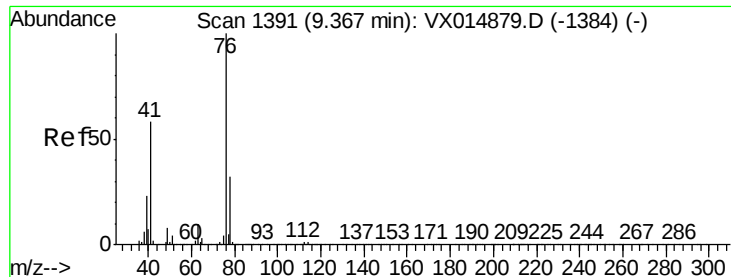
MMDadoda
 2/25/2020 9:36:40 AM



#56
 Ethyl methacrylate
 Concen: 20.528 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		131166		
41	67.4	54.8	82.2		
39	36.4	29.9	44.9		





#57

1,3-Dichloropropane

Concen: 20.295 ug/l

RT: 9.36 min Scan# 1390

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 76 Resp: 145226

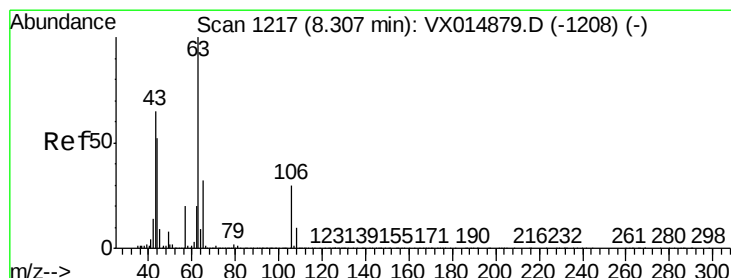
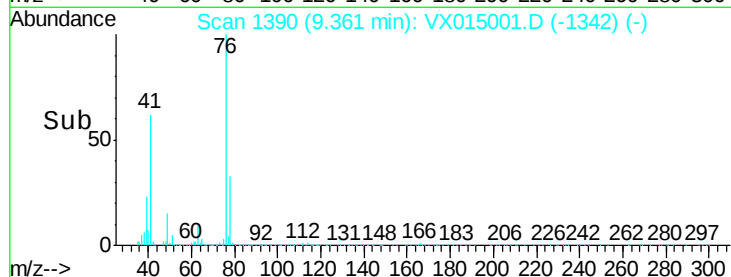
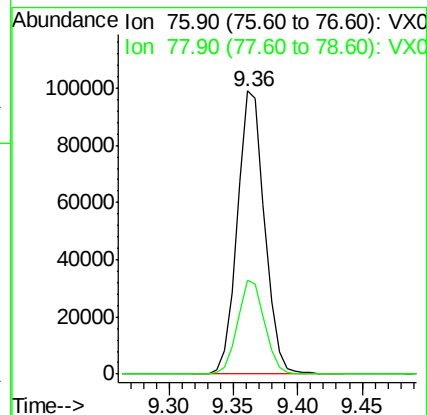
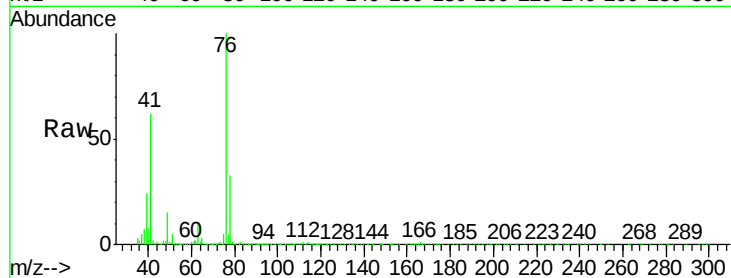
Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.340 ug/l

RT: 8.30 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VX015001.D

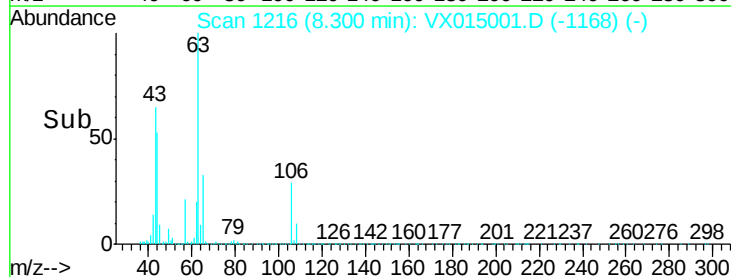
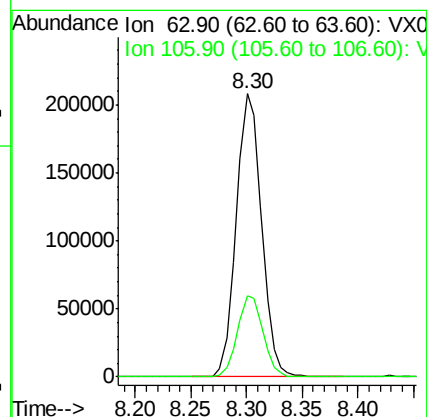
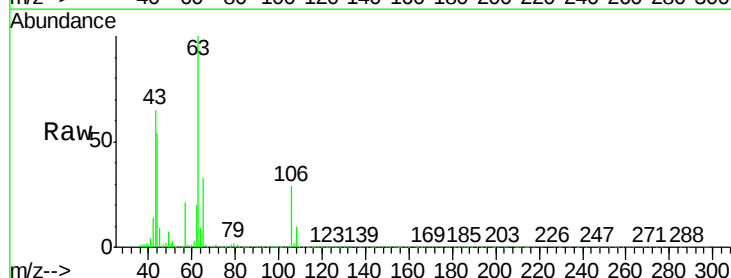
Acq: 24 Feb 2020 11:34

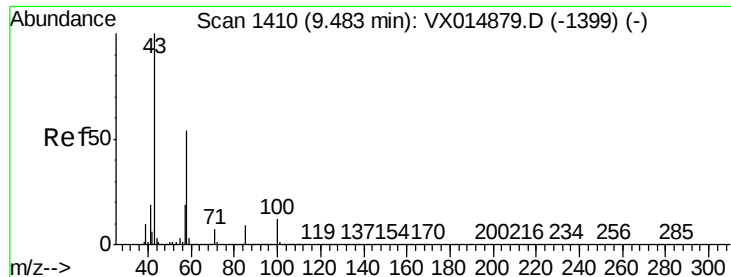
Tgt Ion: 63 Resp: 328615

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.8





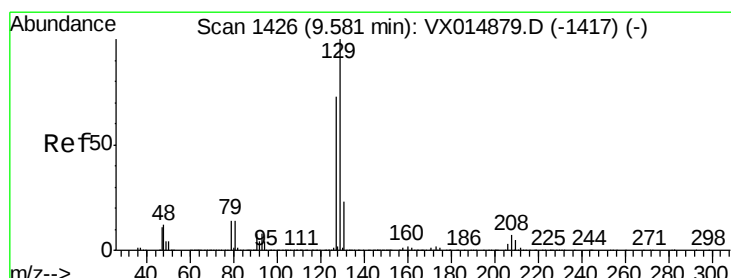
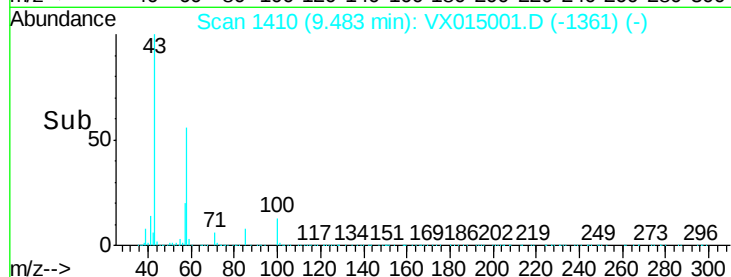
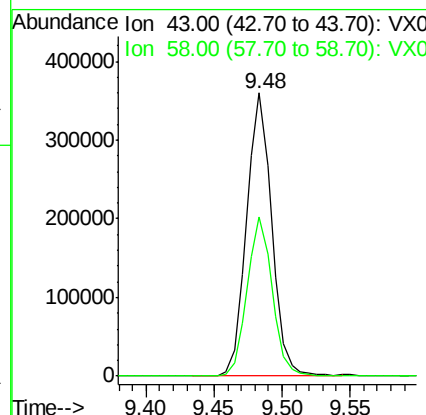
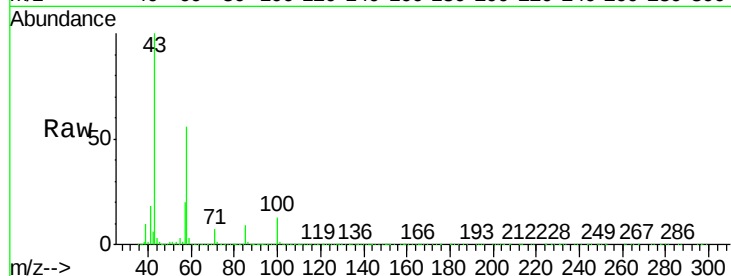
#59
2-Hexanone
Concen: 102.723 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	27.5	82.5

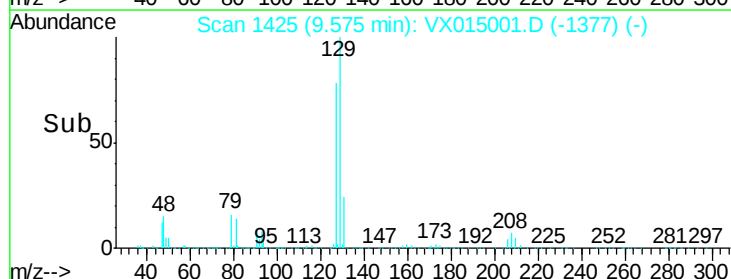
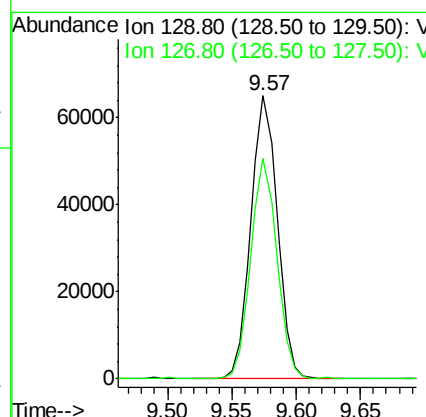
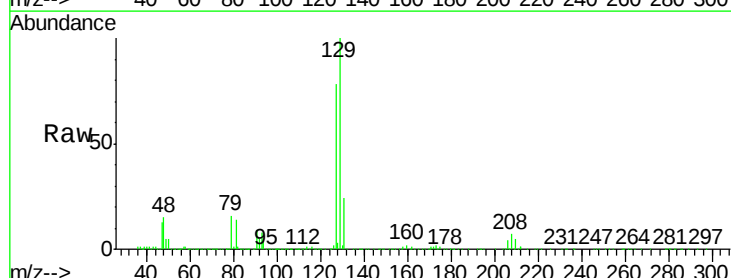
Manual Integrations
APPROVED

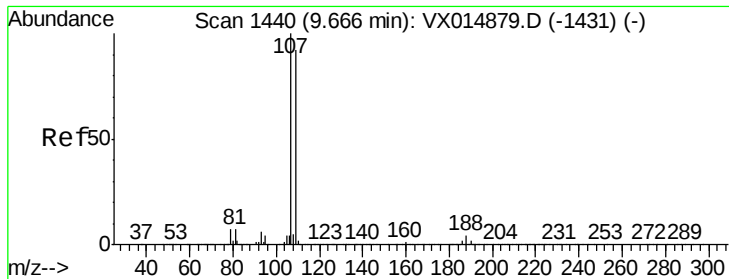
MMDadoda
2/25/2020 9:36:40 AM



#60
Dibromochloromethane
Concen: 20.088 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	37.8	113.3





#61

1,2-Dibromoethane

Concen: 20.028 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 107 Resp: 91860

Ion Ratio Lower Upper

107 100

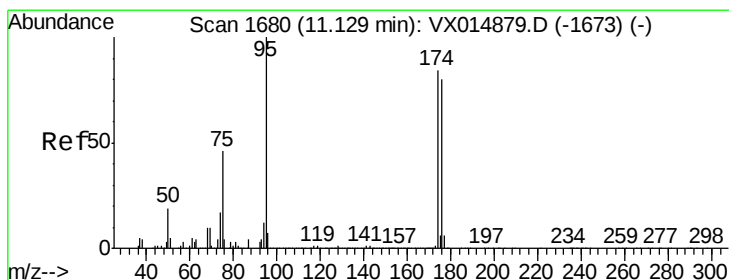
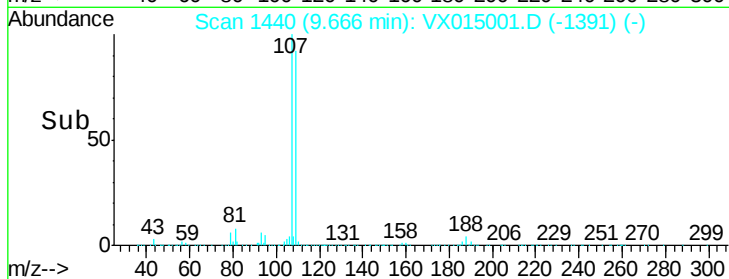
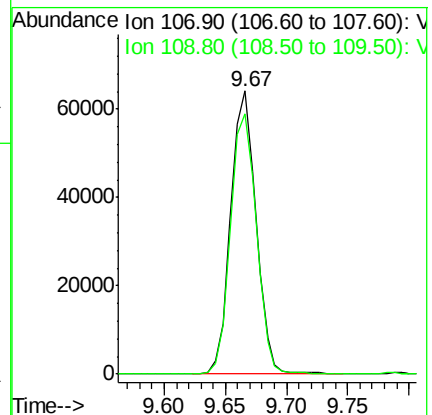
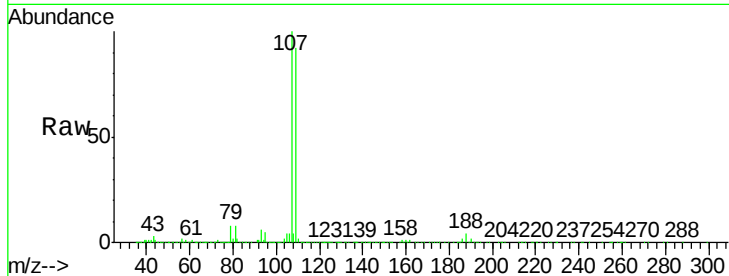
109 93.6 75.6 113.4

Manual Integrations

APPROVED

MMDadoda

2/25/2020 9:36:40 AM



#62

4-Bromofluorobenzene

Concen: 51.163 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

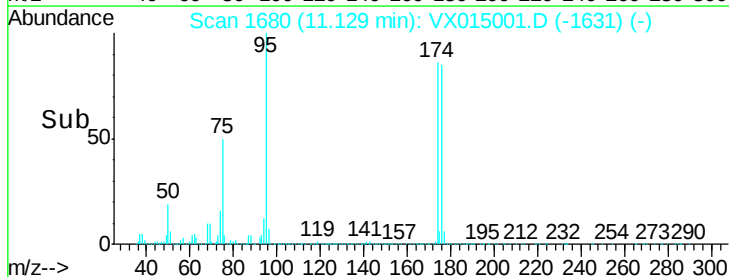
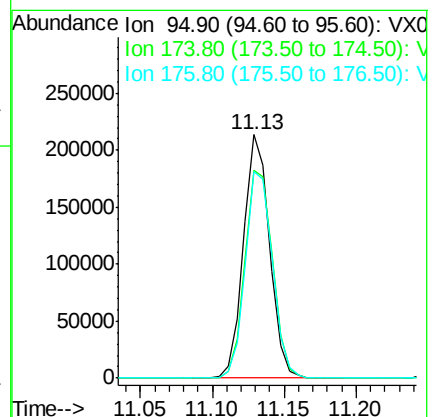
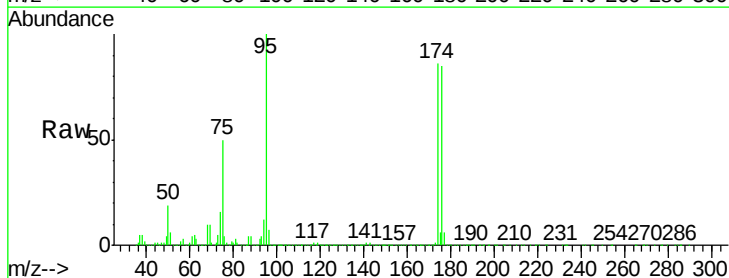
Tgt Ion: 95 Resp: 267702

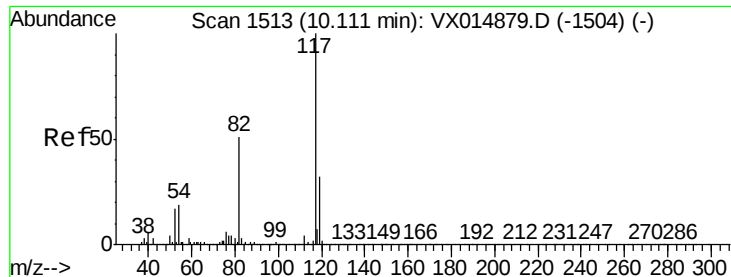
Ion Ratio Lower Upper

95 100

174 90.8 0.0 183.0

176 88.6 0.0 178.0





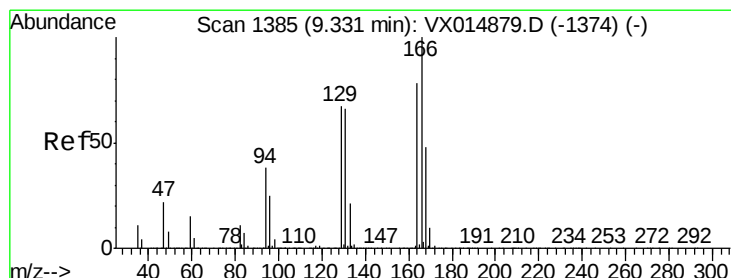
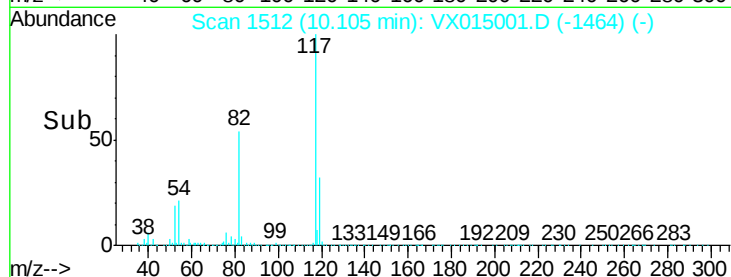
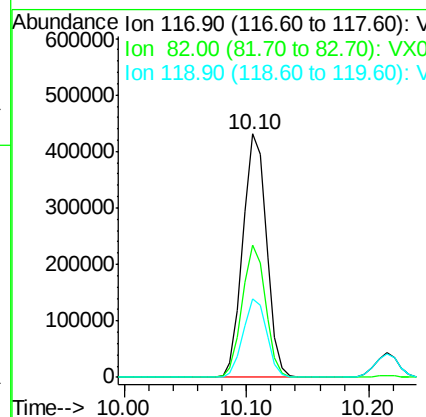
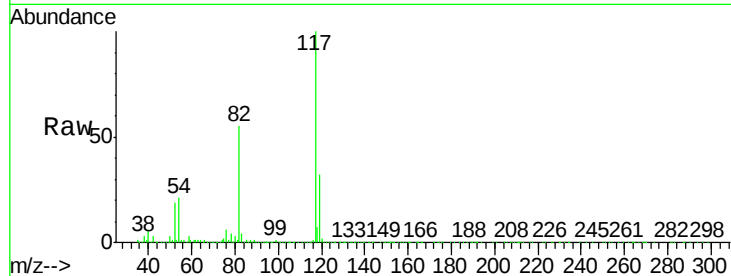
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	40.5	60.7
119	32.2	25.8	38.6

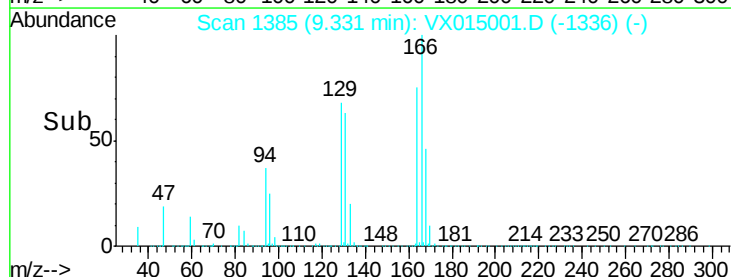
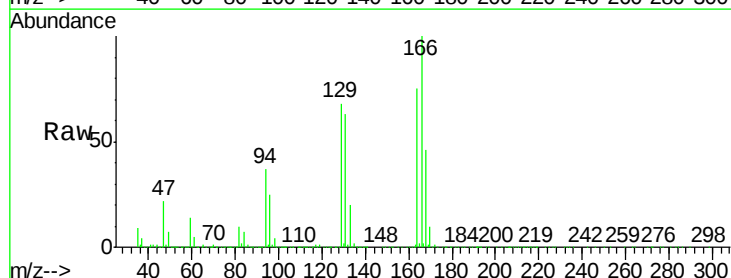
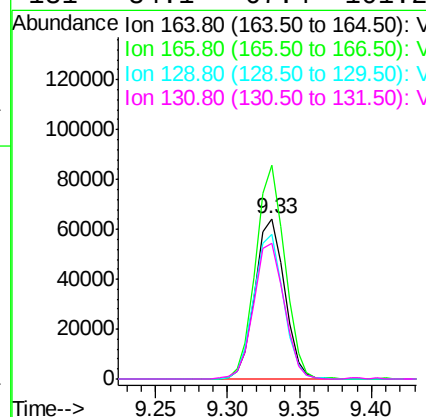
Manual Integrations
APPROVED

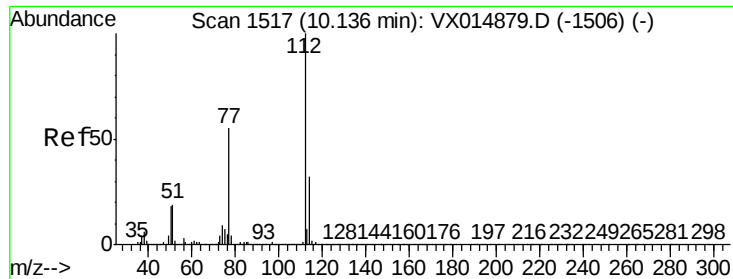
MMDadoda
2/25/2020 9:36:40 AM



#64
Tetrachloroethene
Concen: 16.992 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	102.6	153.8
129	90.3	68.3	102.5
131	84.1	67.4	101.2





#65

Chlorobenzene

Concen: 19.810 ug/l

RT: 10.13 min Scan# 1516

Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion:112 Resp: 231135

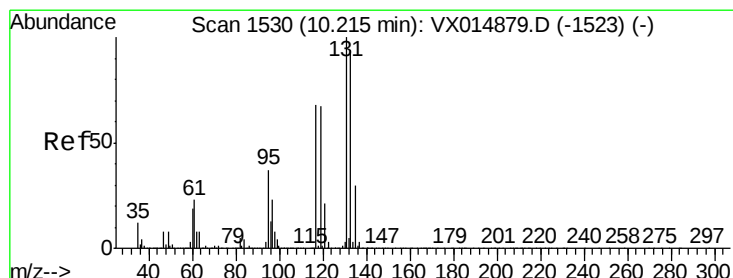
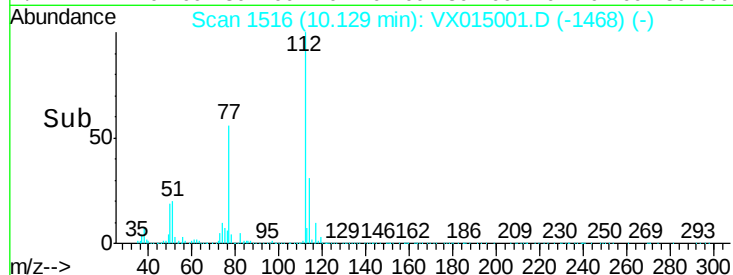
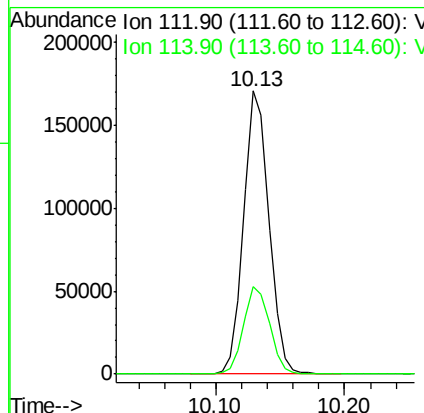
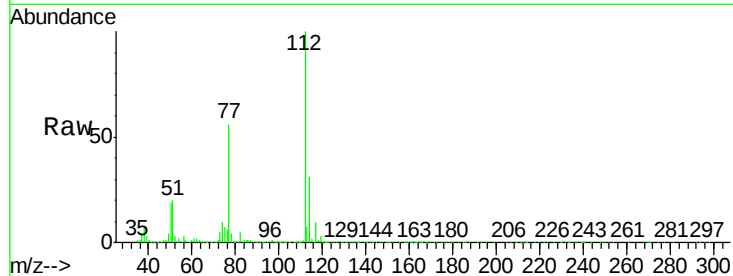
Ion Ratio Lower Upper

112 100

114 31.0 25.6 38.4

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.060 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

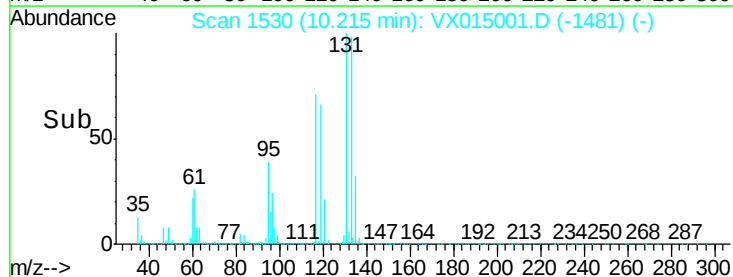
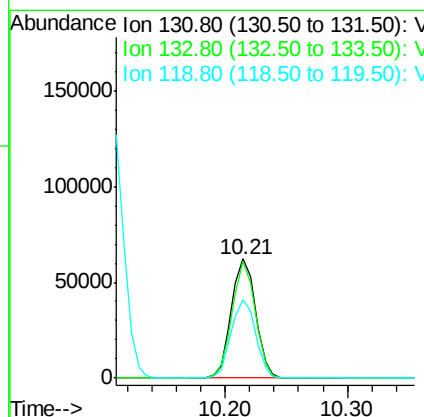
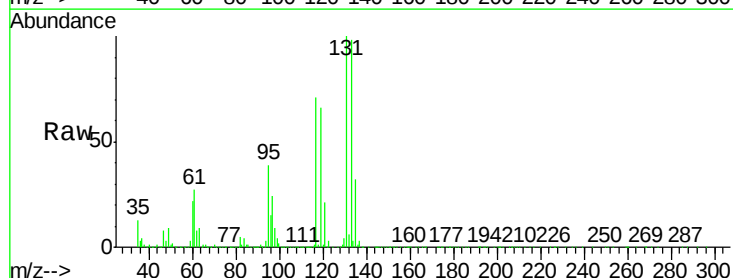
Tgt Ion:131 Resp: 84971

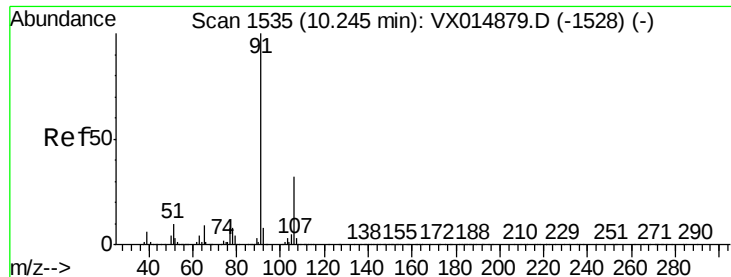
Ion Ratio Lower Upper

131 100

133 94.3 48.1 144.4

119 66.7 33.0 99.0





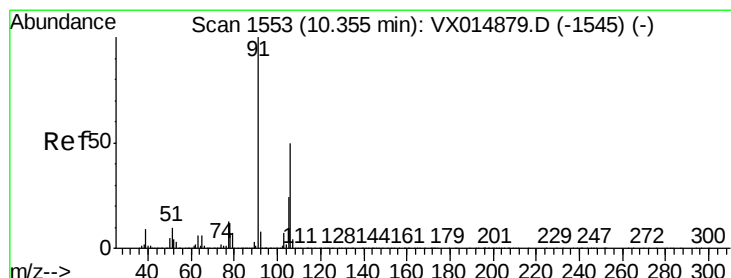
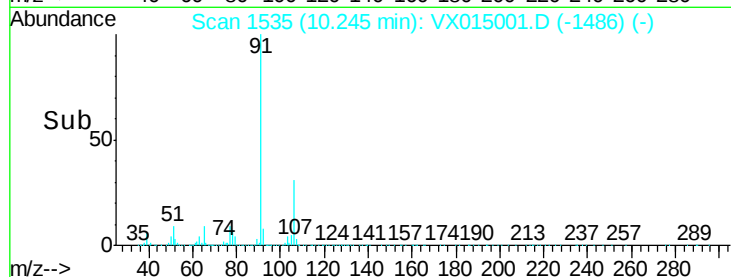
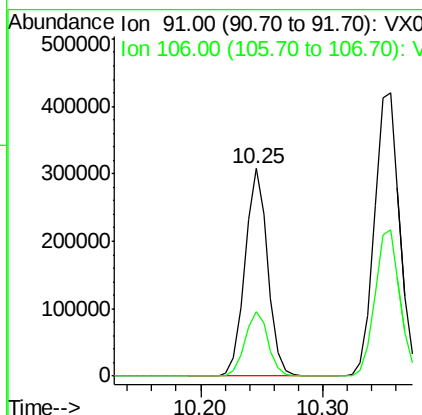
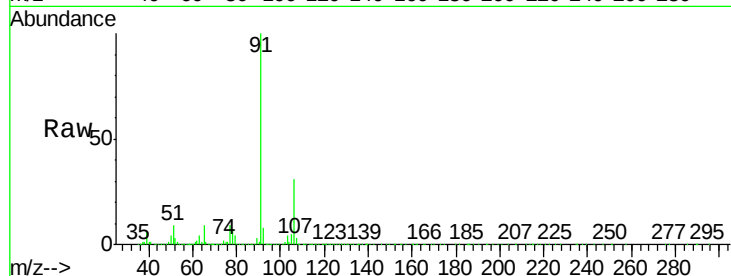
#67
Ethyl Benzene
Concen: 19.790 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion: 91 Resp: 392699
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

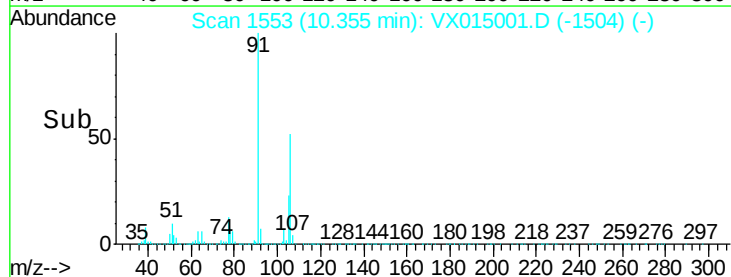
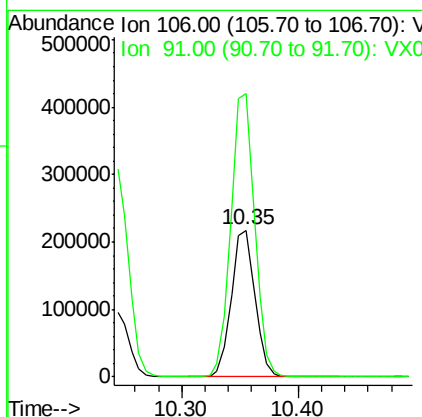
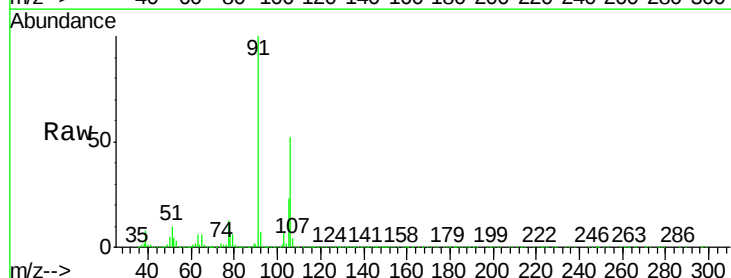
Manual Integrations
APPROVED

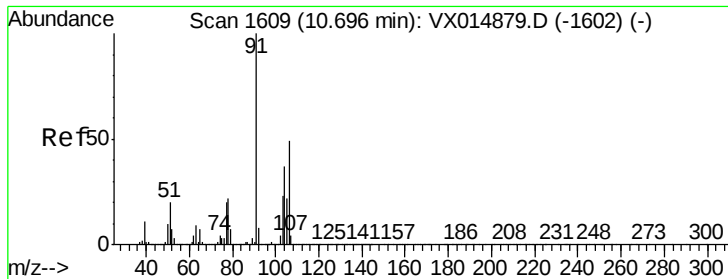
MMDadoda
2/25/2020 9:36:40 AM



#68
m/p-Xylenes
Concen: 40.169 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion: 106 Resp: 307062
Ion Ratio Lower Upper
106 100
91 195.3 160.6 240.8





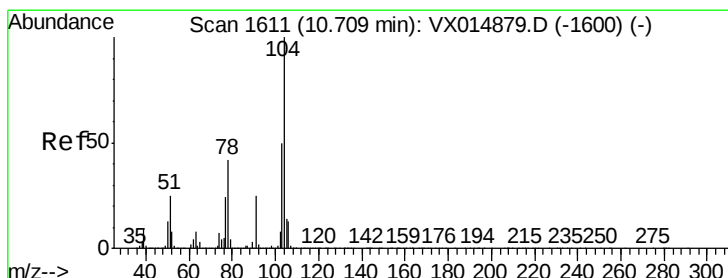
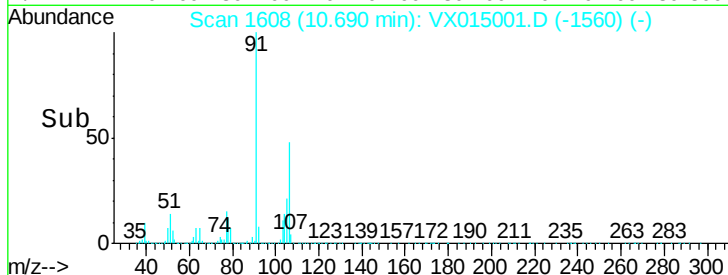
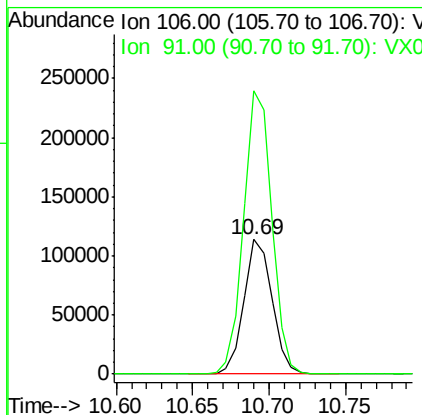
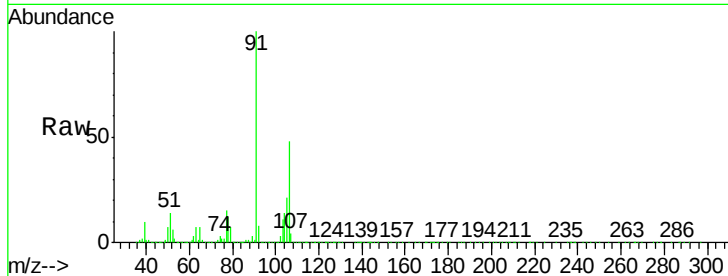
#69
o-Xylene
Concen: 19.810 ug/l
RT: 10.69 min Scan# 1608
Delta R.T. -0.01 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.1	315.3

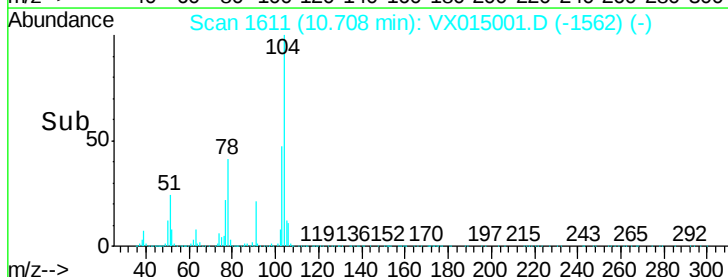
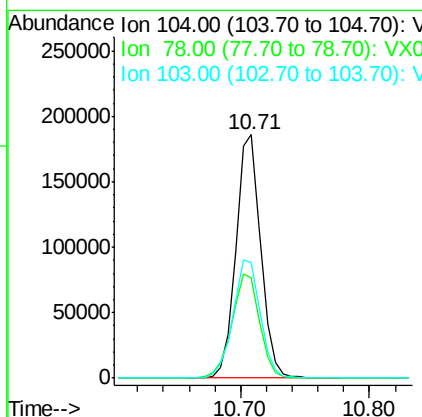
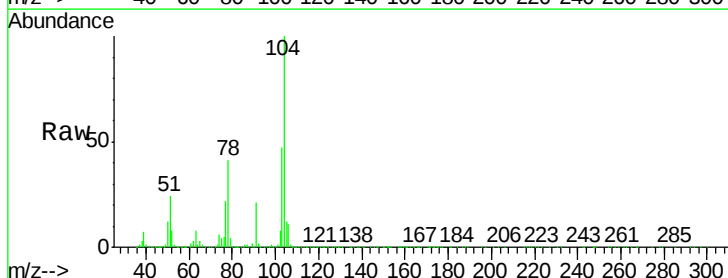
Manual Integrations
APPROVED

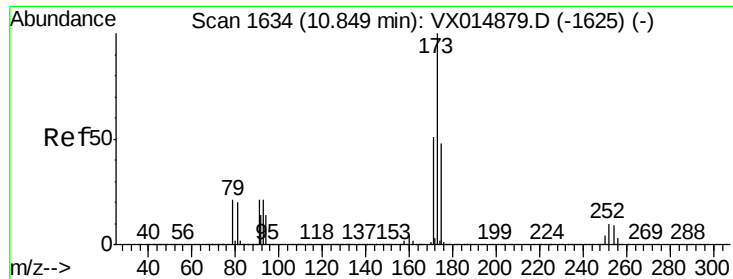
MMDadoda
2/25/2020 9:36:40 AM



#70
Styrene
Concen: 19.984 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	39.0	58.4
103	53.9	43.4	65.0





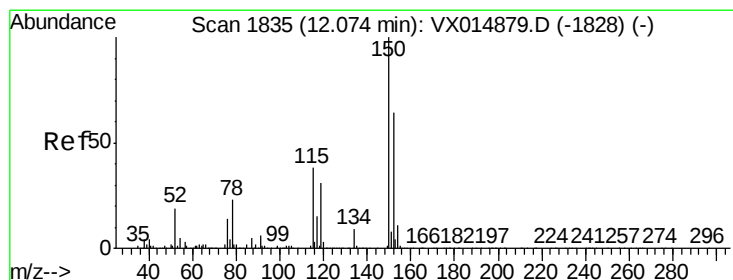
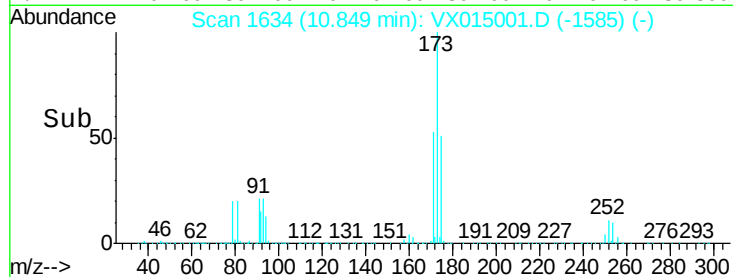
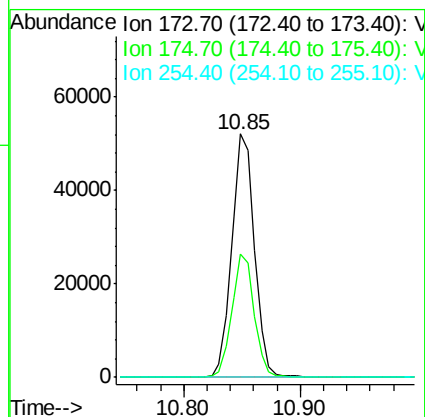
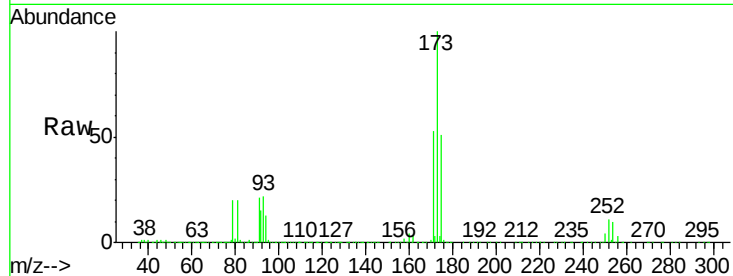
#71
Bromoform
Concen: 20.022 ug/l
RT: 10.85 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.2	72.6
254	0.1	0.2	0.2

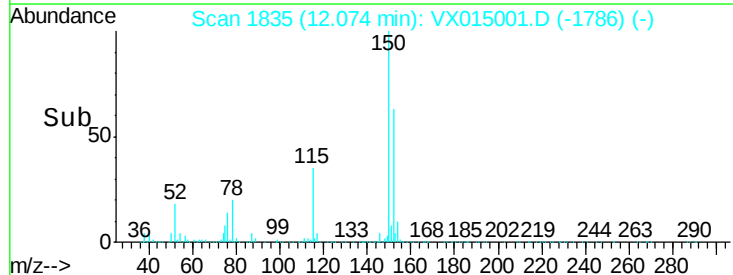
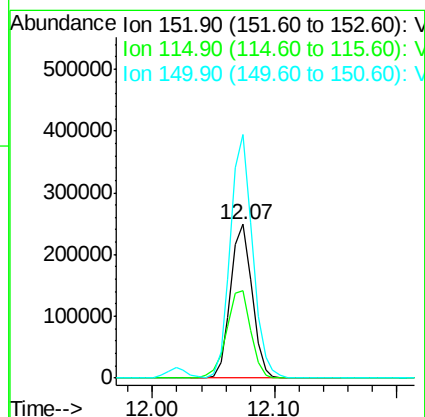
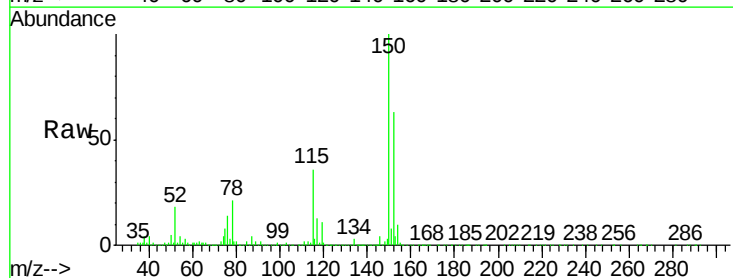
Manual Integrations
APPROVED

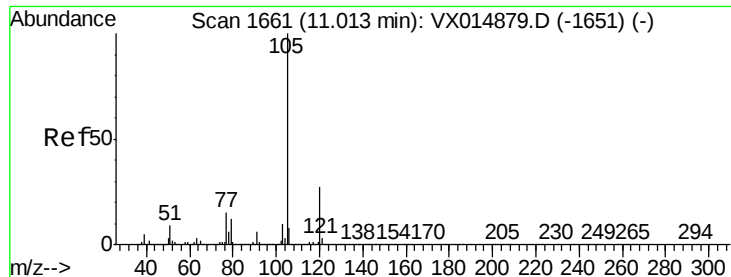
MMDadoda
2/25/2020 9:36:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	38.6	116.0
150	162.7	0.0	349.0





#73

Isopropylbenzene

Concen: 20.610 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

VX0224WBSD01

Tot Ion: 105 Resp: 391962

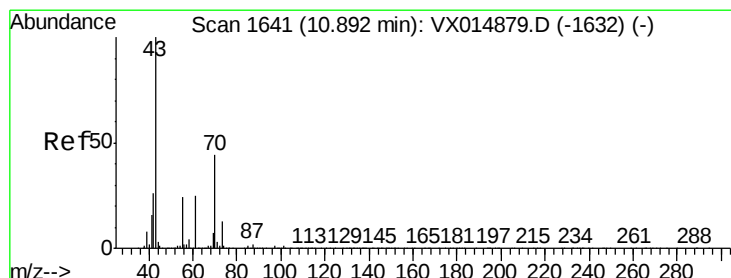
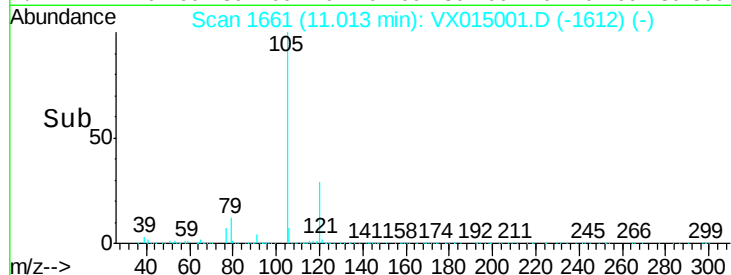
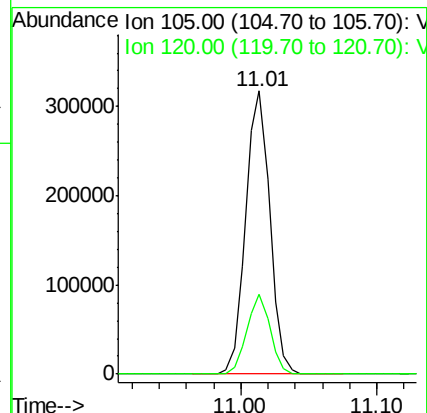
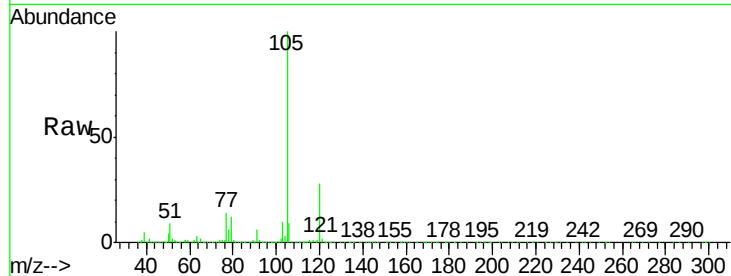
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.8

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#74

N-ethyl acetate

Concen: 20.994 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion: 43 Resp: 165897

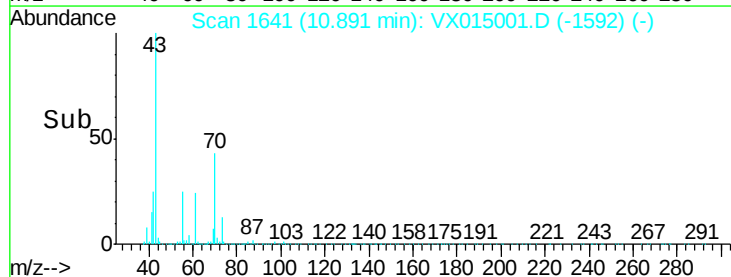
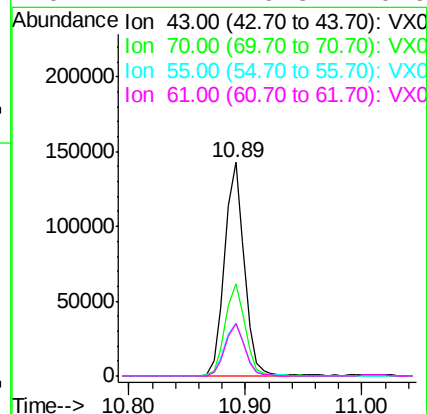
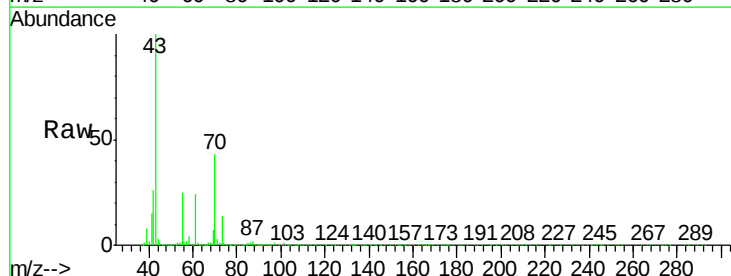
Ion Ratio Lower Upper

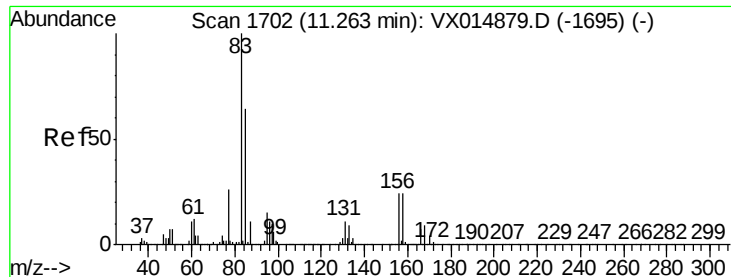
43 100

70 43.5 35.0 52.4

55 25.4 19.4 29.2

61 24.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.266 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

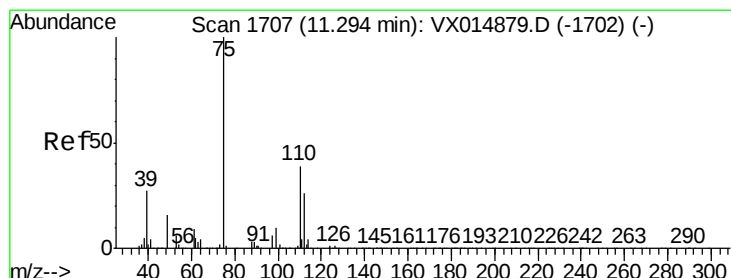
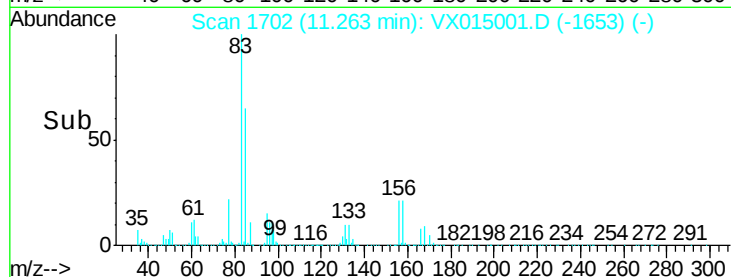
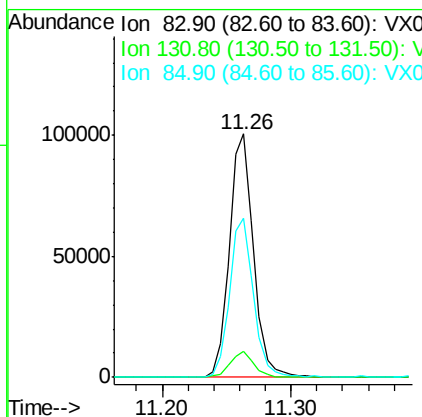
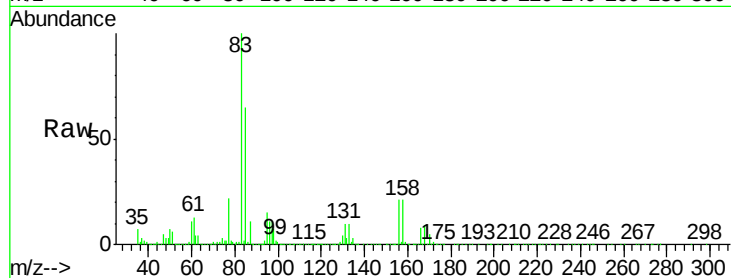
ClientSampleId :

VX0224WBSD01

Tot Ion:	83	Resp:	132208
Ion Ratio		Lower	Upper
83	100		
131	10.5	5.3	16.1
85	64.8	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#76

1,2,3-Trichloropropane

Concen: 20.155 ug/l m

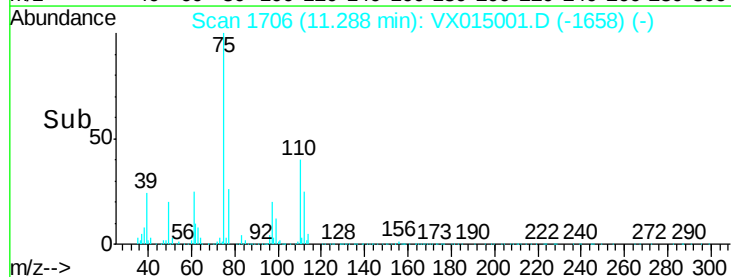
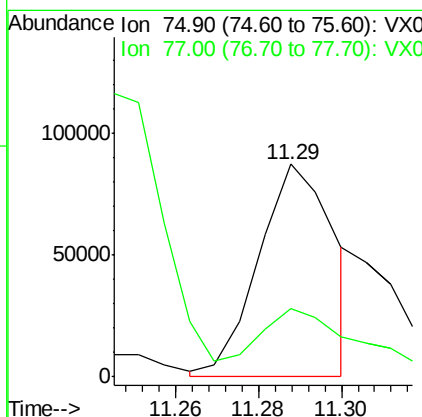
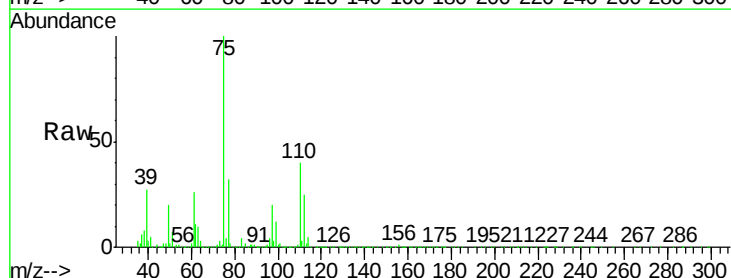
RT: 11.29 min Scan# 1706

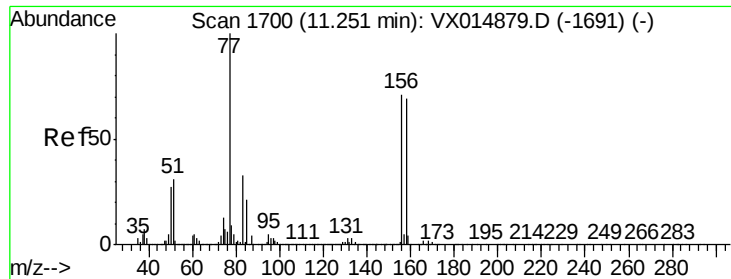
Delta R.T. -0.01 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	75	Resp:	110532
Ion Ratio		Lower	Upper
75	100		
77	43.4	18.4	55.0





#77

Bromobenzene

Concen: 19.795 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

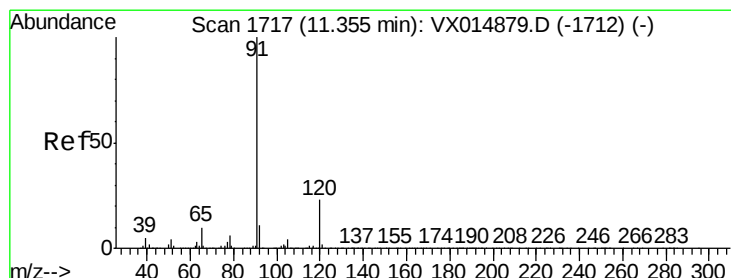
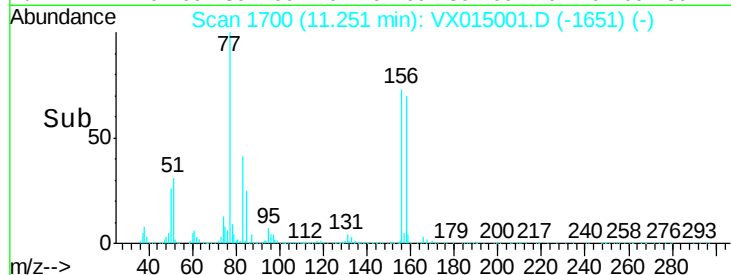
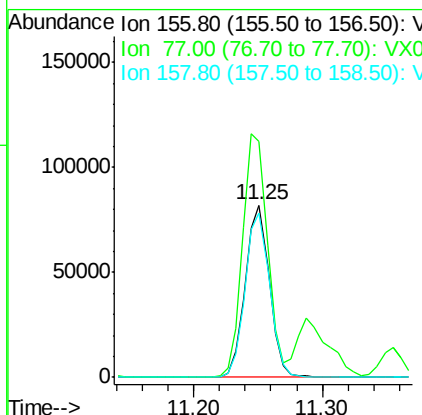
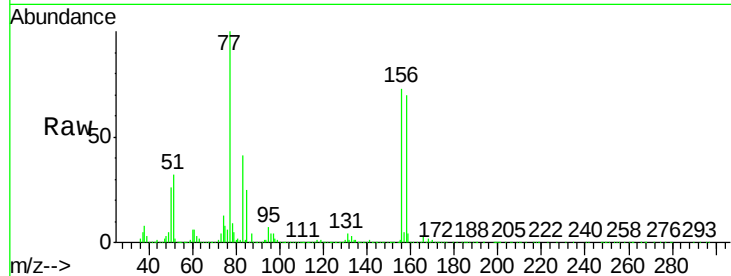
ClientSampleId :

VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.7	74.0	222.0
158	97.2	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#78

n-propylbenzene

Concen: 20.438 ug/l

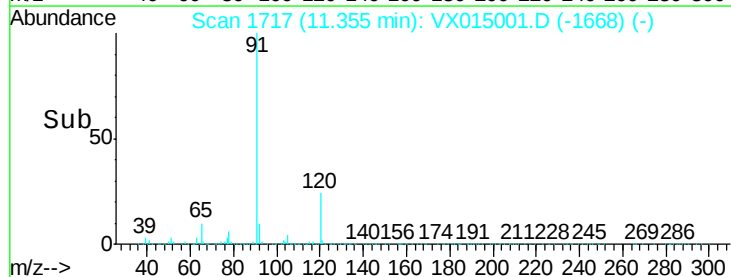
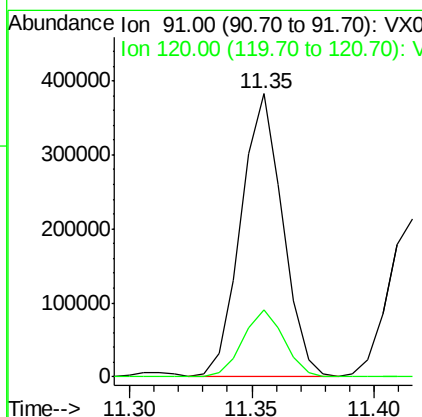
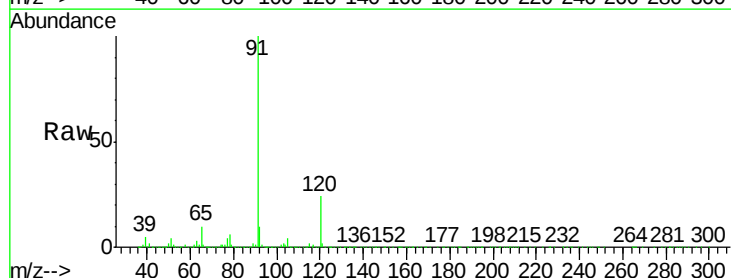
RT: 11.35 min Scan# 1717

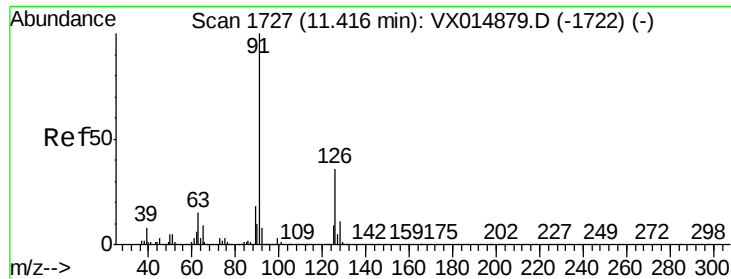
Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.4





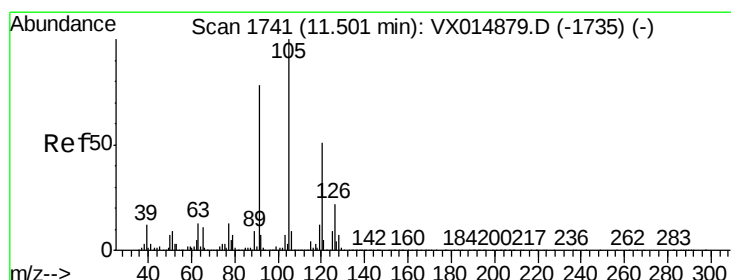
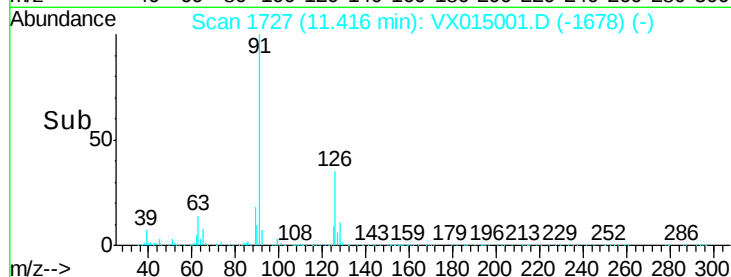
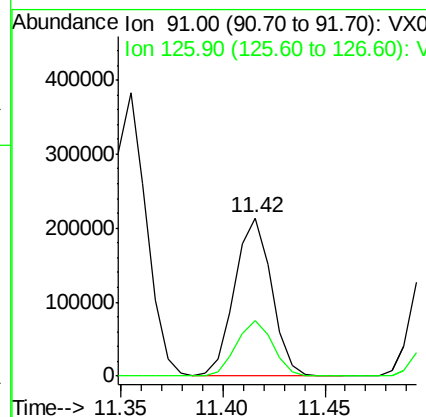
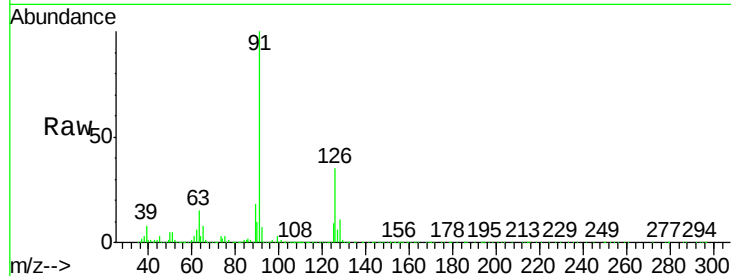
#79
2-Chlorotoluene
Concen: 20.615 ug/l
RT: 11.42 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion: 91 Resp: 266585
Ion Ratio Lower Upper
91 100
126 34.8 18.0 54.0

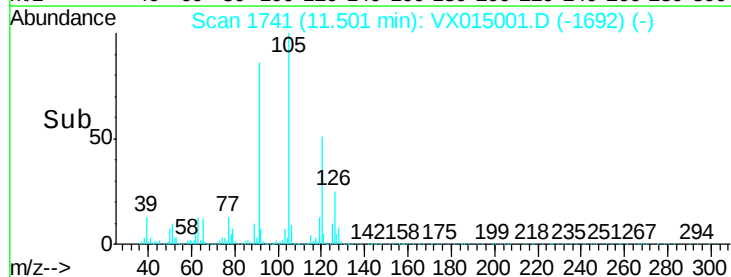
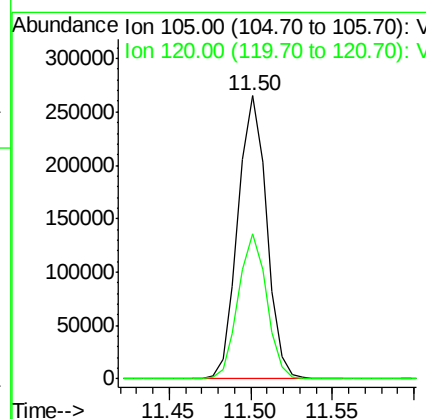
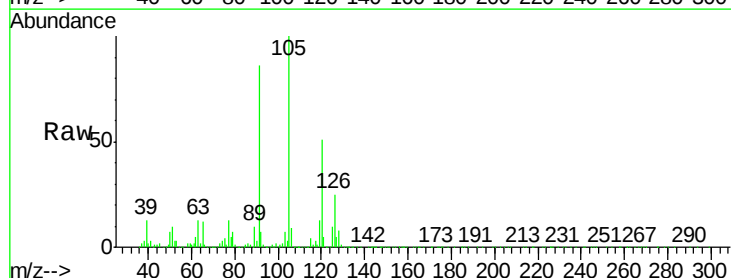
Manual Integrations
APPROVED

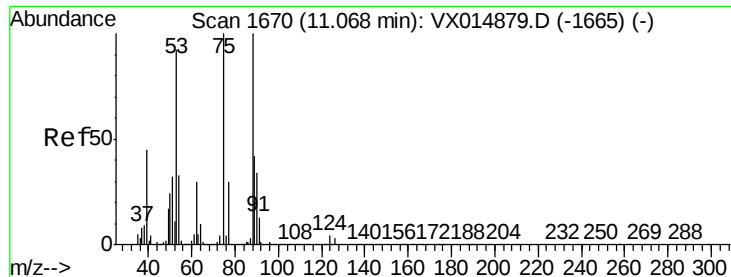
MMDadoda
2/25/2020 9:36:40 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.454 ug/l
RT: 11.50 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion: 105 Resp: 325028
Ion Ratio Lower Upper
105 100
120 50.7 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.374 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

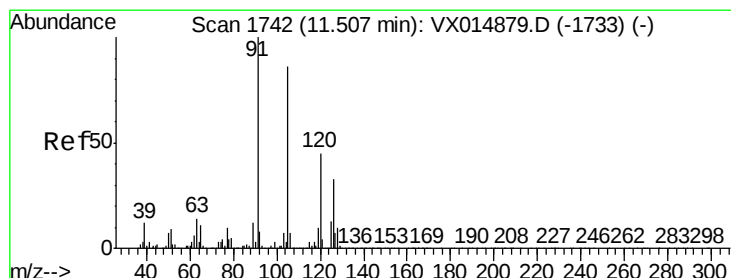
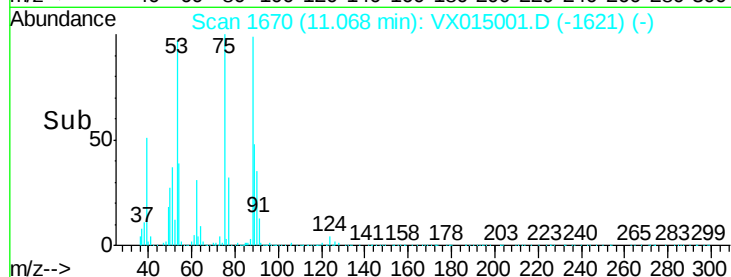
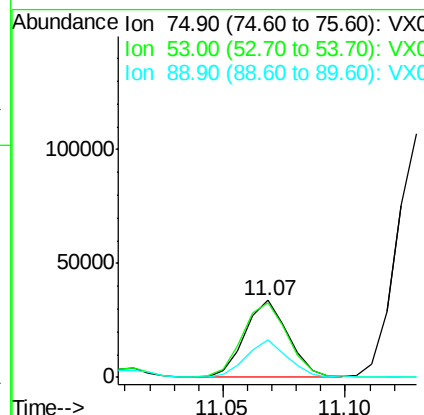
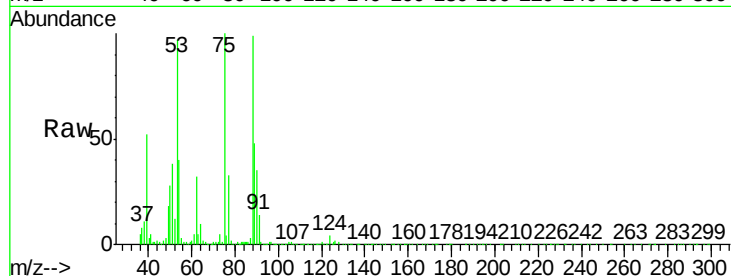
ClientSampleId :

VX0224WBSD01

Tot Ion:	75	Resp:	41508
Ion Ratio	Lower	Upper	
75	100		
53	101.0	76.2	114.2
89	46.3	35.8	53.6

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#82

4-Chlorotoluene

Concen: 19.989 ug/l

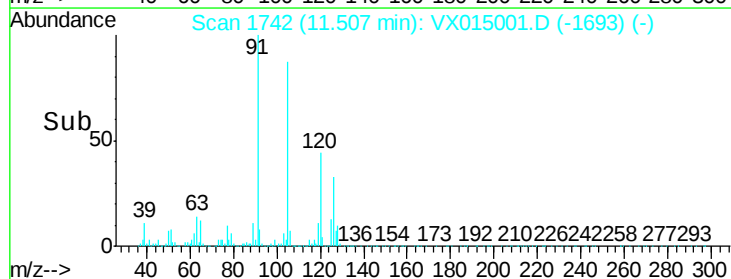
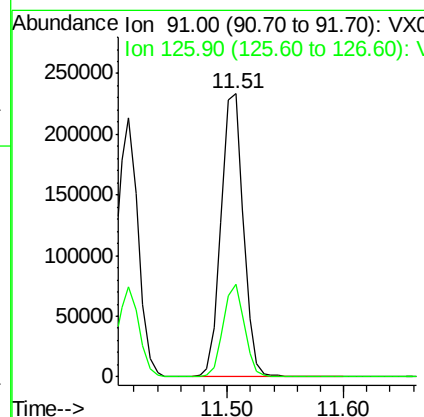
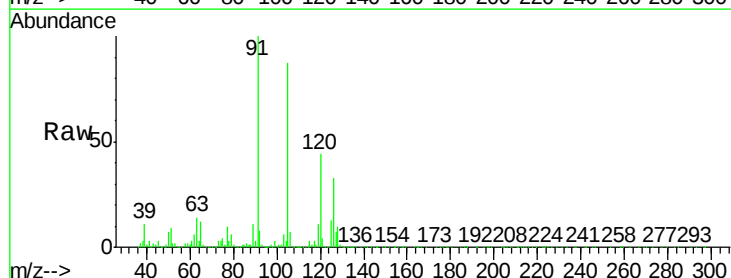
RT: 11.51 min Scan# 1742

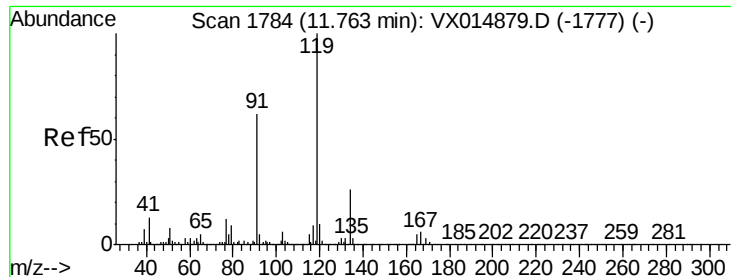
Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	91	Resp:	306107
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.7	47.0





#83

tert-Butylbenzene

Concen: 21.028 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Instrument :

MSVOA_X

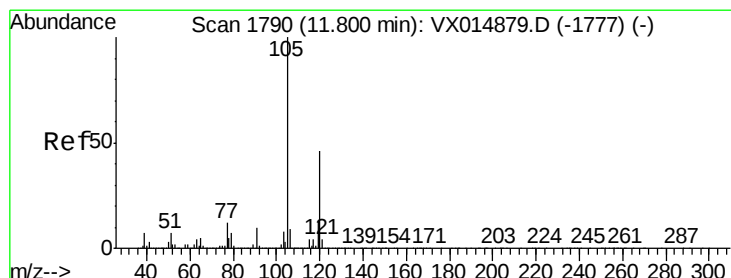
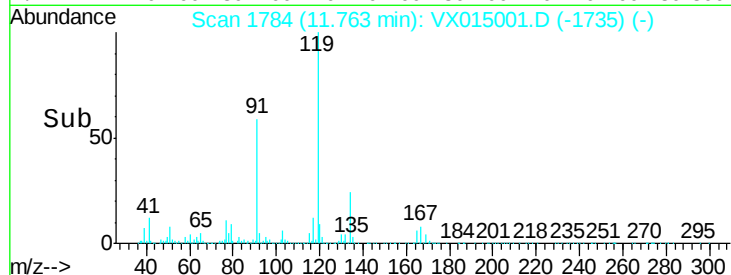
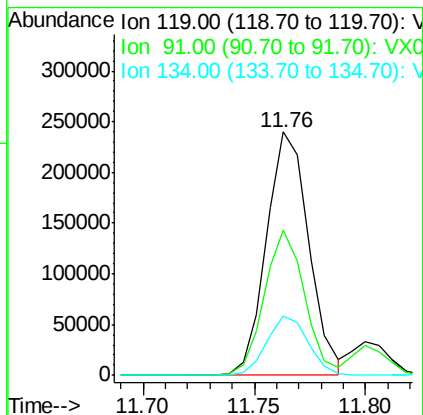
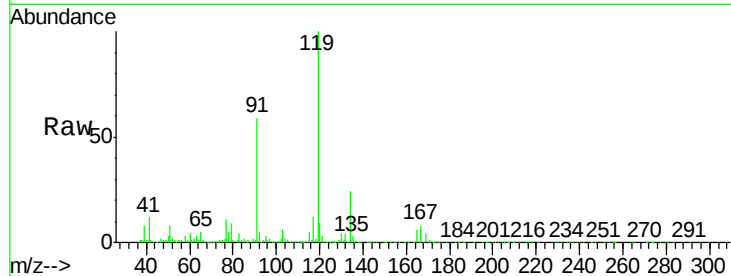
ClientSampleId :

VX0224WBSD01

Tot Ion:	119	Resp:	316426
Ion Ratio	Lower	Upper	
119	100		
91	56.5	29.5	88.6
134	23.9	12.6	37.6

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.843 ug/l

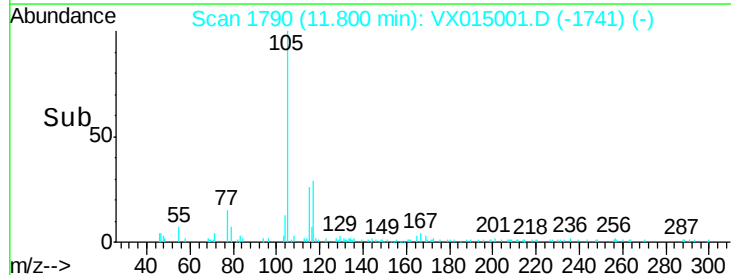
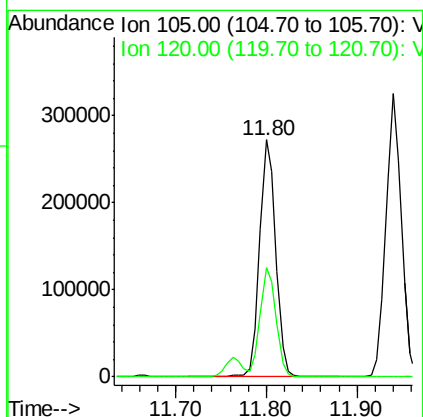
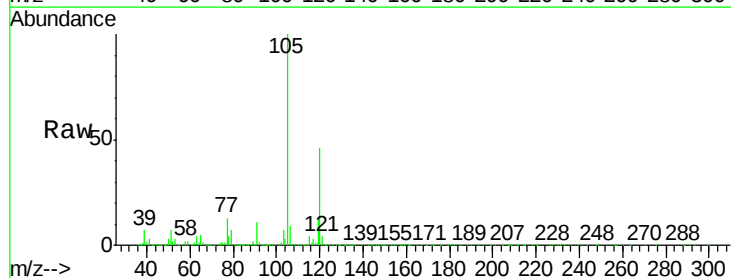
RT: 11.80 min Scan# 1790

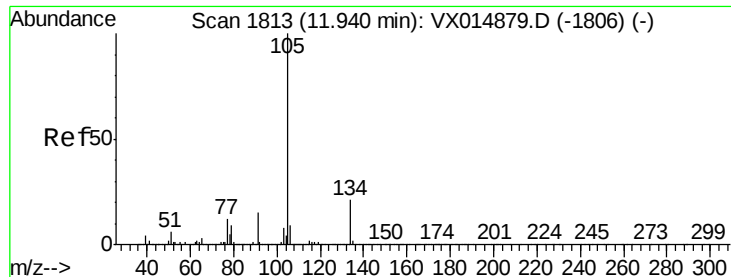
Delta R.T. -0.00 min

Lab File: VX015001.D

Acq: 24 Feb 2020 11:34

Tgt Ion:	105	Resp:	333786
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.0	69.0





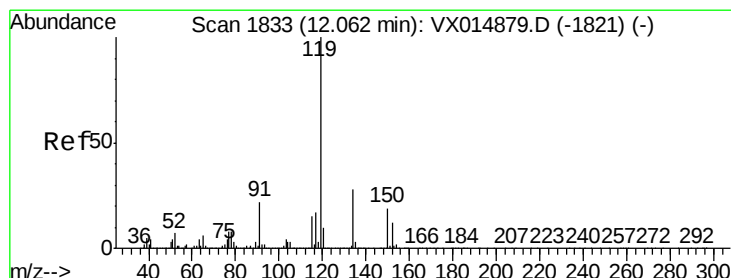
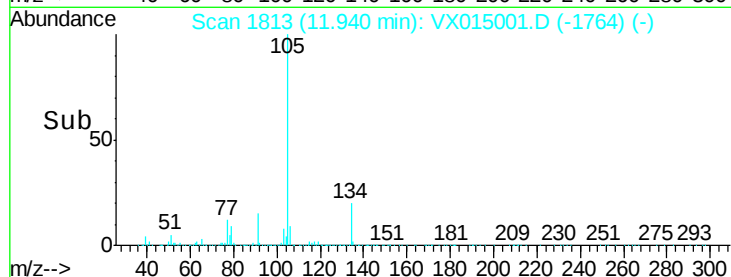
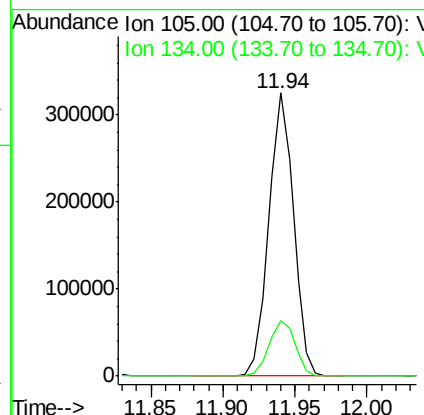
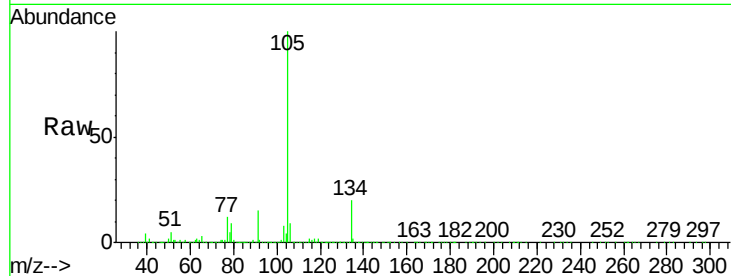
#85
 sec-Butylbenzene
 Concen: 20.604 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

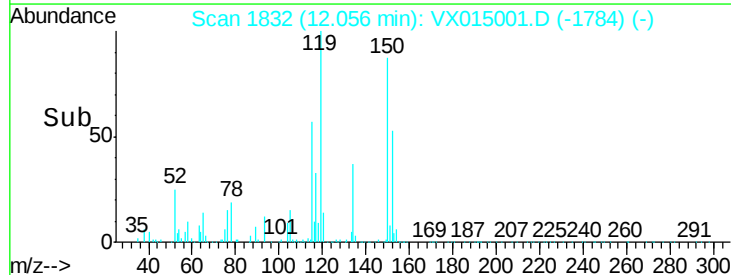
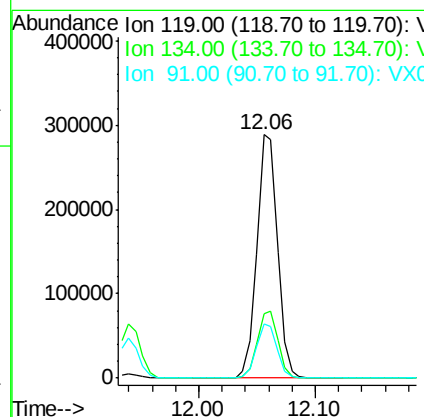
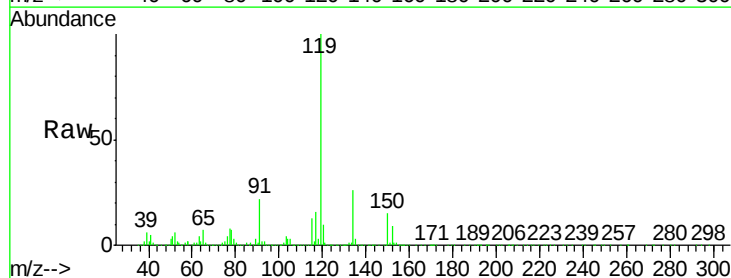
Manual Integrations
 APPROVED

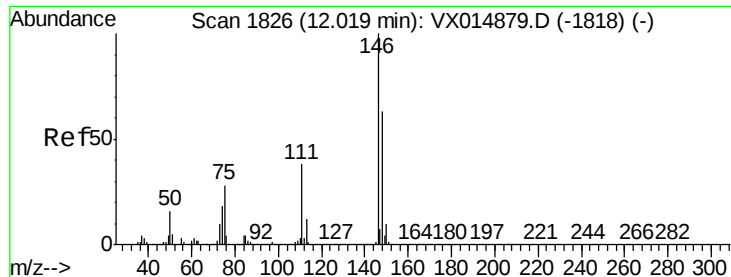
MMDadoda
 2/25/2020 9:36:40 AM



#86
 p-Isopropyltoluene
 Concen: 20.353 ug/l
 RT: 12.06 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.9	13.5	40.5
91	22.3	11.4	34.1





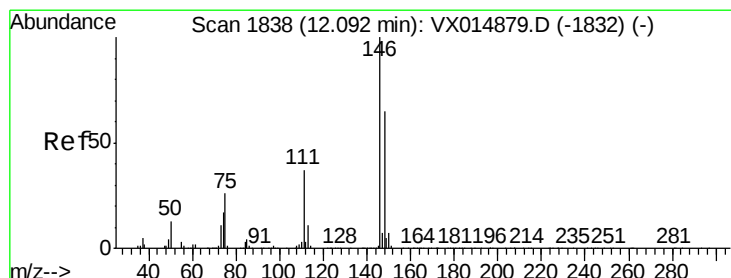
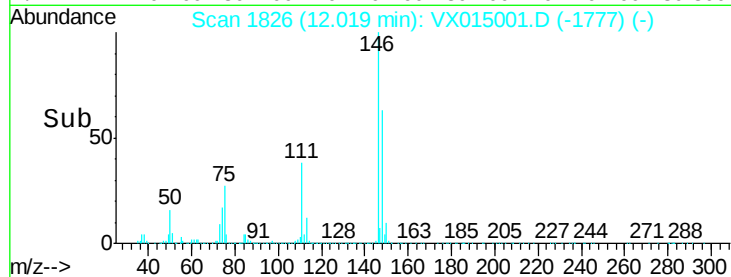
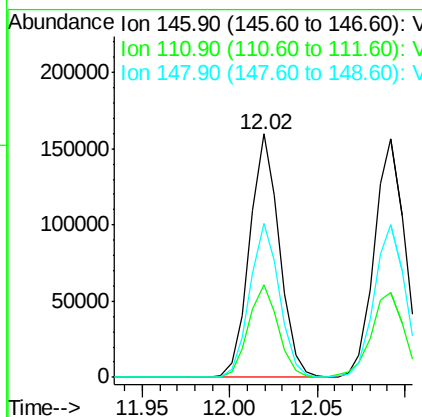
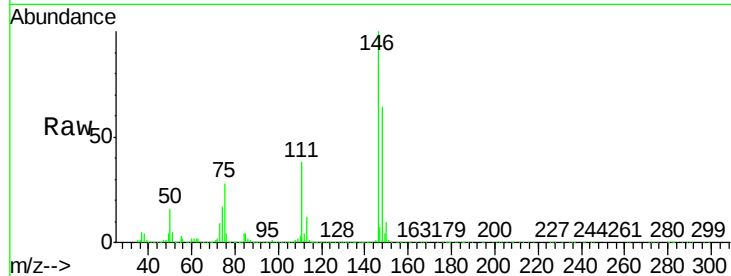
#87
 1,3-Dichlorobenzene
 Concen: 19.740 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	56.0
148	63.3	31.8	95.4

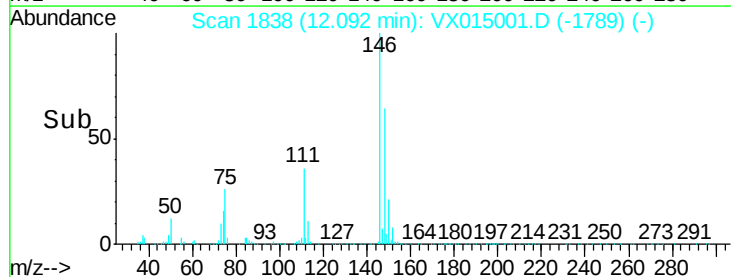
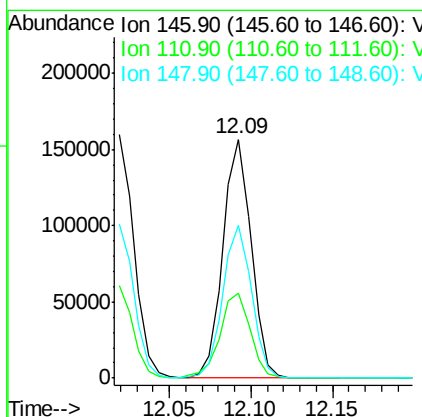
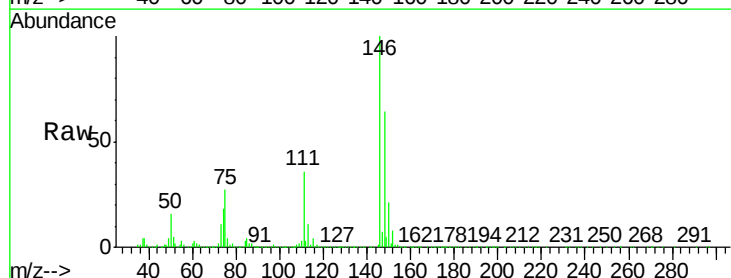
Manual Integrations
 APPROVED

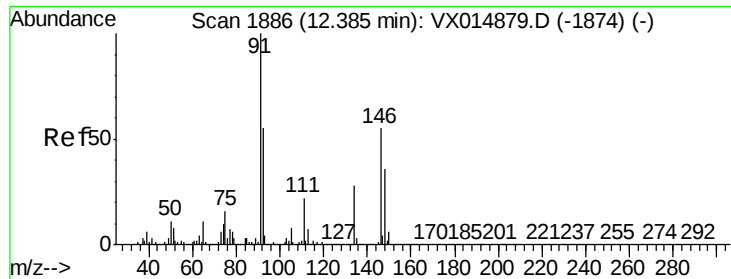
MMDadoda
 2/25/2020 9:36:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.390 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.6
148	64.8	32.4	97.0





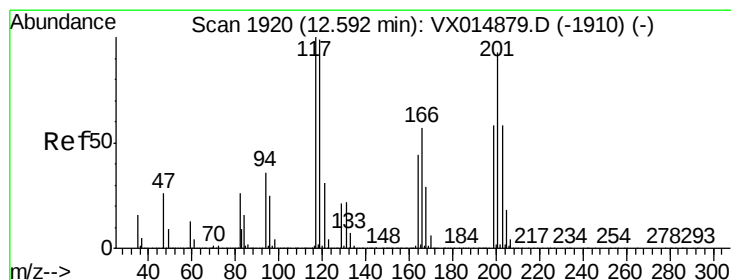
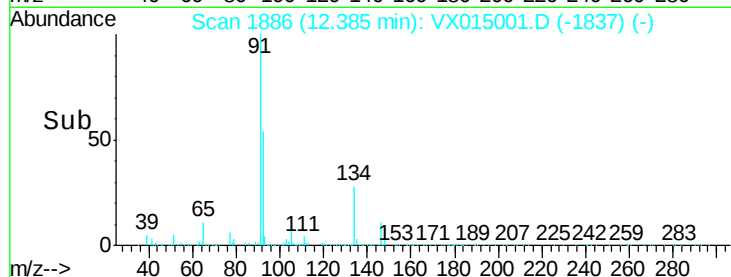
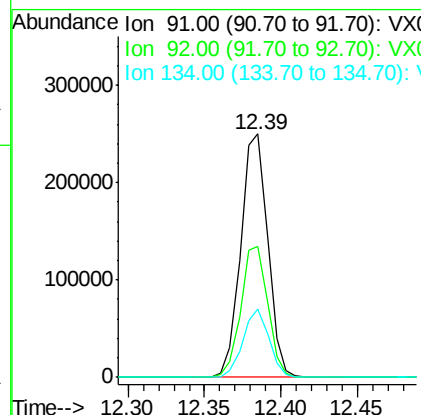
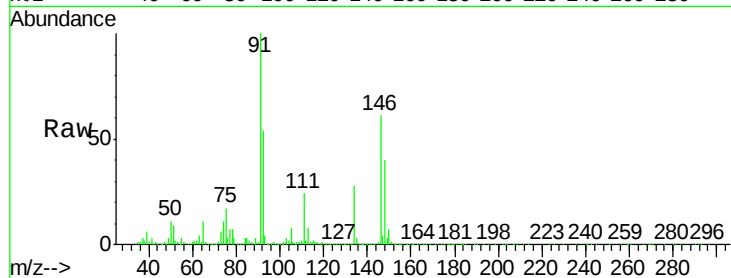
#89
n-Butylbenzene
Concen: 19.475 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.3	81.8
134	26.9	13.8	41.4

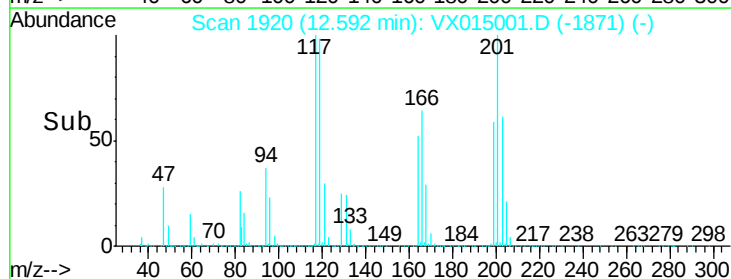
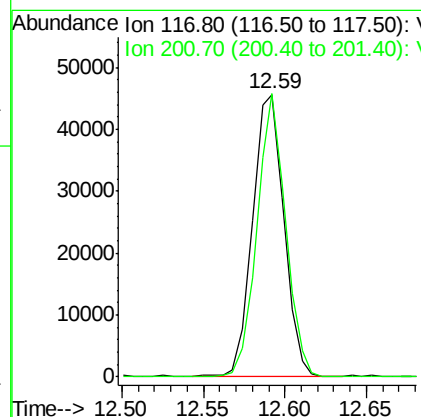
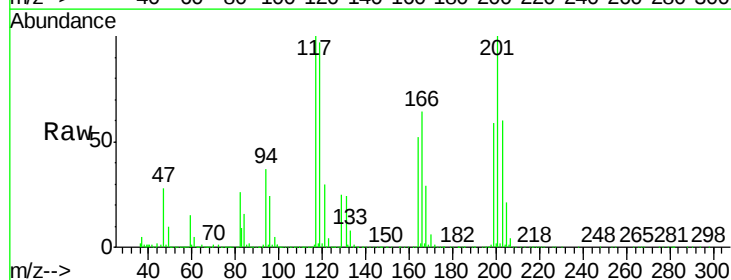
Manual Integrations
APPROVED

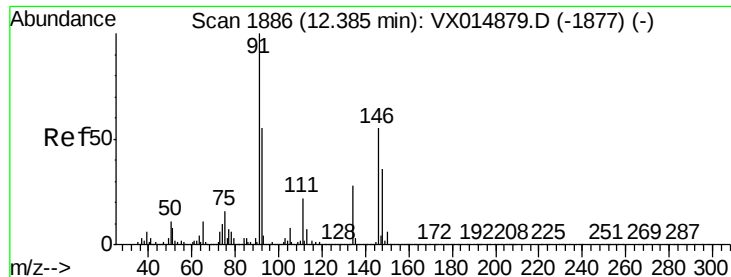
MMDadoda
2/25/2020 9:36:40 AM



#90
Hexachloroethane
Concen: 19.951 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.0	44.8	134.3





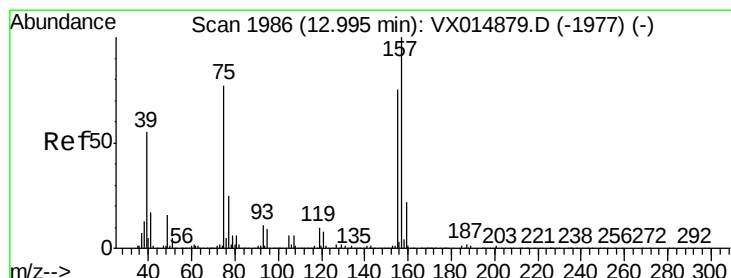
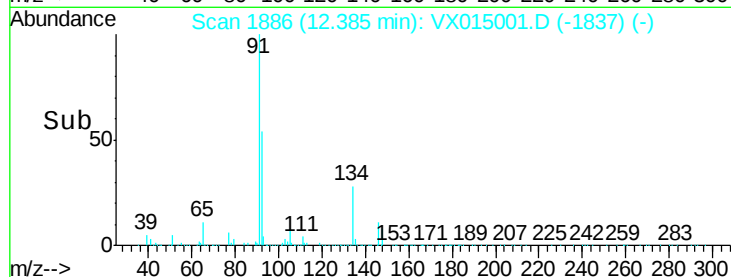
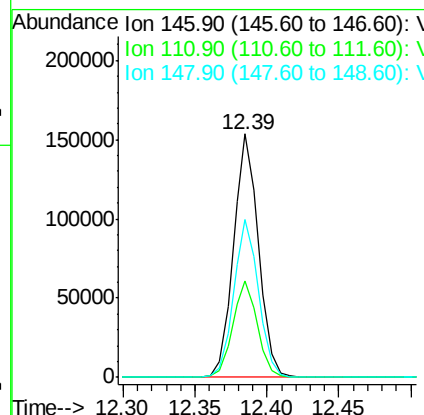
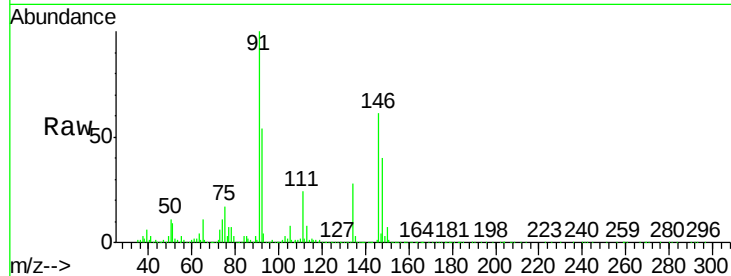
#91
 1,2-Dichlorobenzene
 Concen: 19.948 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	65.0	32.4	97.2

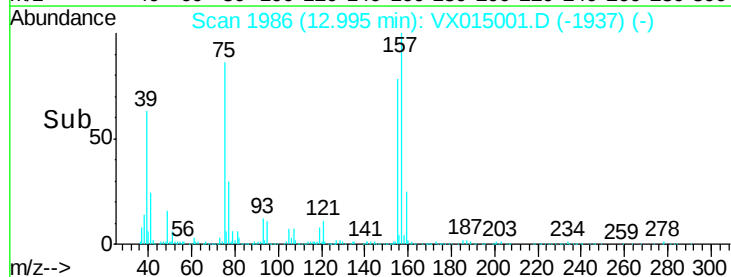
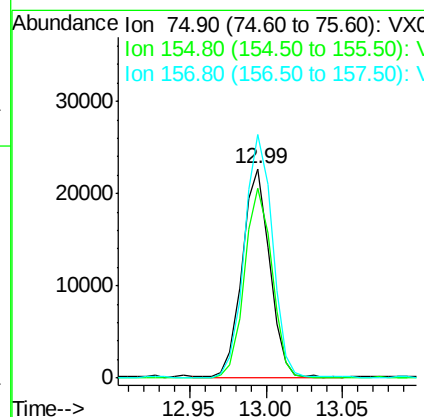
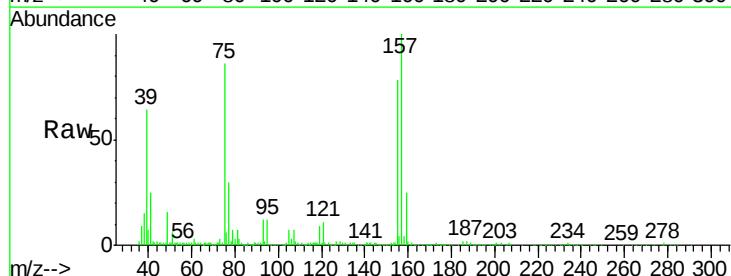
Manual Integrations
 APPROVED

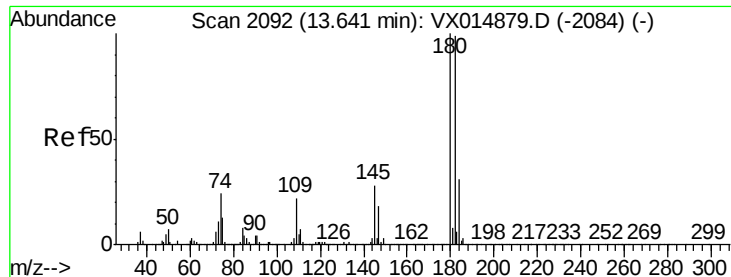
MMDadoda
 2/25/2020 9:36:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.266 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX015001.D
 Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.4	48.6	145.9
157	119.0	62.0	186.0





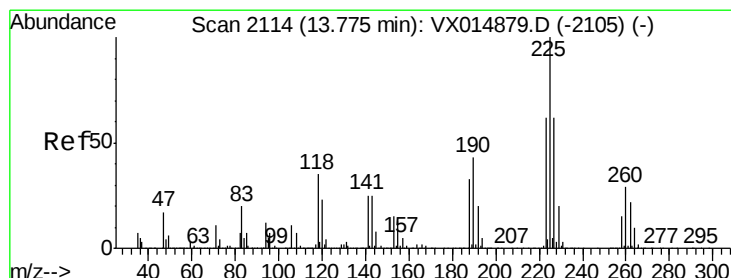
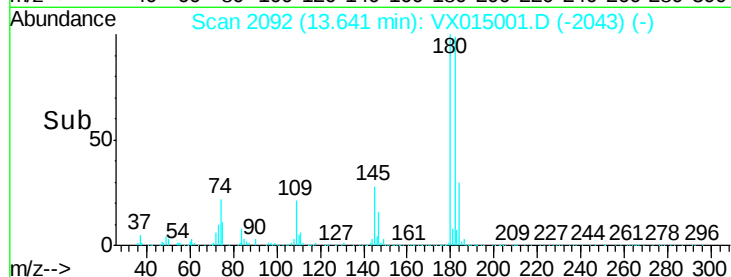
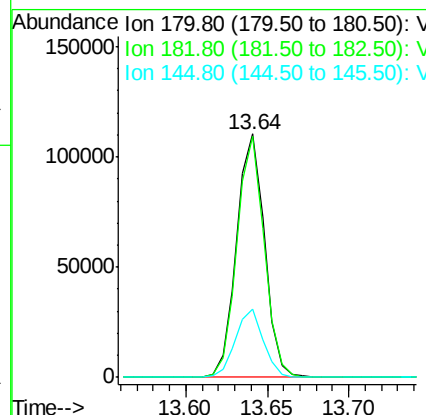
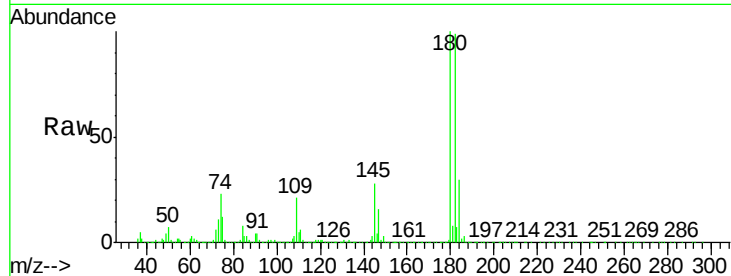
#93
1,2,4-Trichlorobenzene
Concen: 19.100 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131659		
182	96.5	48.4	145.3	
145	28.3	14.1	42.4	

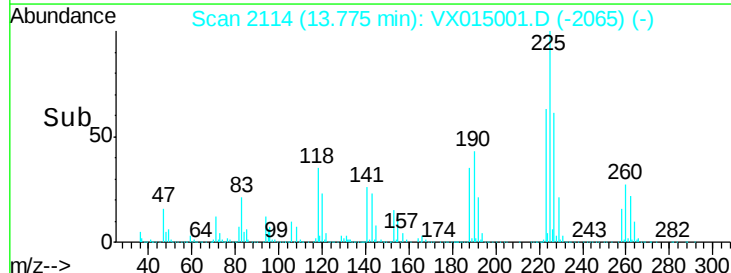
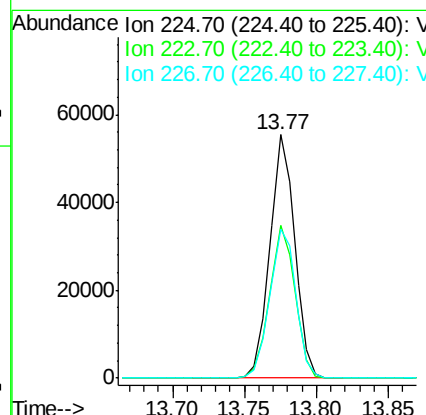
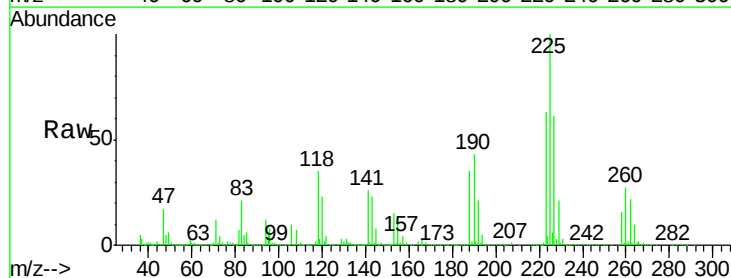
Manual Integrations
APPROVED

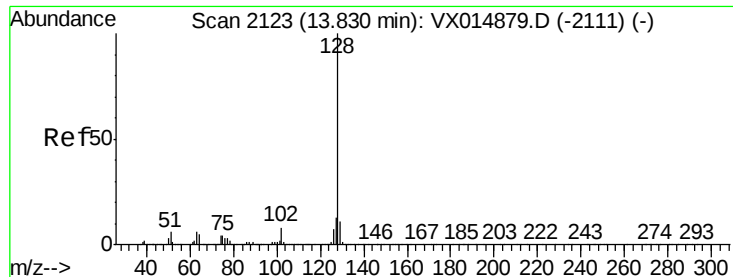
MMDadoda
2/25/2020 9:36:40 AM



#94
Hexachlorobutadiene
Concen: 19.824 ug/l
RT: 13.77 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66093		
223	64.2	31.1	93.2	
227	64.1	30.9	92.5	





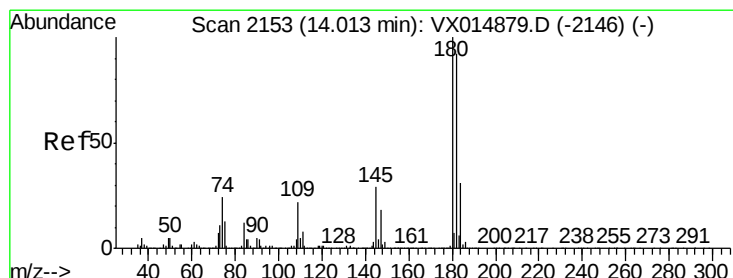
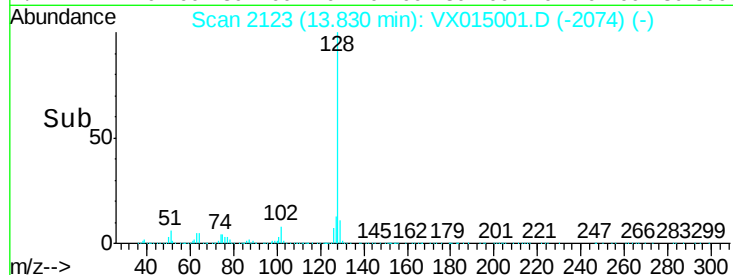
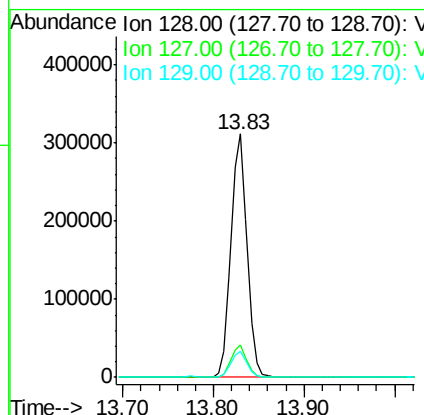
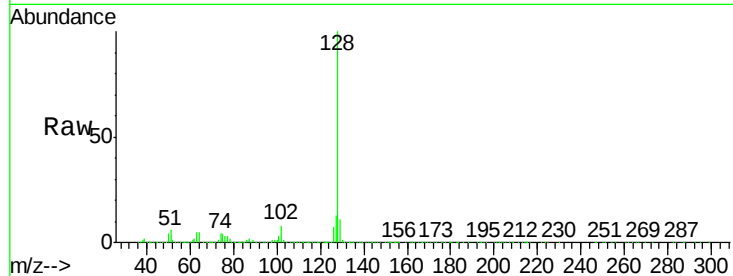
#95
Naphthalene
Concen: 20.949 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Instrument :
MSVOA_X
ClientSampleId :
VX0224WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/25/2020 9:36:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.155 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VX015001.D
Acq: 24 Feb 2020 11:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	29.2	14.5	43.5

