

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020620\
 Data File : VX014860.D
 Acq On : 06 Feb 2020 20:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 11:45:00 AM

Quant Time: Feb 07 03:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	430783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	657022	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	599395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	310885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	229210	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	5.49	113	190206	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
50) Toluene-d8	8.71	98	711940	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
62) 4-Bromofluorobenzene	11.13	95	260695	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	240264	41.642	ug/l	100
3) Chloromethane	1.32	50	237153	40.694	ug/l	98
4) Vinyl Chloride	1.40	62	282720	44.868	ug/l	99
5) Bromomethane	1.63	94	174963	40.880	ug/l	97
6) Chloroethane	1.72	64	161621	44.685	ug/l	99
7) Trichlorofluoromethane	1.92	101	341121	46.494	ug/l	98
8) Diethyl Ether	2.18	74	149817	46.782	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	197934	45.955	ug/l	97
10) Methyl Iodide	2.50	142	290080	51.327	ug/l	99
11) Tert butyl alcohol	3.03	59	250475	221.775	ug/l	100
12) 1,1-Dichloroethene	2.36	96	193327	45.145	ug/l	98
13) Acrolein	2.28	56	215680	242.198	ug/l	99
14) Allyl chloride	2.72	41	349490	45.404	ug/l	97
15) Acrylonitrile	3.13	53	617013	236.115	ug/l	100
16) Acetone	2.43	43	549763	199.432	ug/l	99
17) Carbon Disulfide	2.56	76	449069	38.368	ug/l	100
18) Methyl Acetate	2.76	43	390054	49.563	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	717517	51.154	ug/l	99
20) Methylene Chloride	2.85	84	226510	44.399	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	206450	43.784	ug/l	99
22) Diisopropyl ether	3.84	45	726357	47.431	ug/l	98
23) Vinyl Acetate	3.80	43	2763874	236.758	ug/l	98
24) 1,1-Dichloroethane	3.69	63	392234	47.162	ug/l	99
25) 2-Butanone	4.65	43	871121	220.527	ug/l	97
26) 2,2-Dichloropropane	4.58	77	318235	47.805	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	252889	47.921	ug/l	98
28) Bromochloromethane	5.01	49	158891	43.477	ug/l	94
29) Tetrahydrofuran	5.11	42	550204	234.678	ug/l	97
30) Chloroform	5.20	83	401660	48.753	ug/l	99
31) Cyclohexane	5.57	56	338438	43.266	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	341757	49.075	ug/l	98
36) 1,1-Dichloropropene	5.79	75	283600	46.454	ug/l	98
37) Ethyl Acetate	4.82	43	336634	48.143	ug/l	99
38) Carbon Tetrachloride	5.78	117	285353	48.941	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	351007	45.894	ug/l	95
40) Benzene	6.14	78	881620	46.737	ug/l	99
41) Methacrylonitrile	5.03	41	187076	46.880	ug/l	97
42) 1,2-Dichloroethane	6.19	62	321916	49.419	ug/l	100
43) Isopropyl Acetate	6.43	43	562764	49.149	ug/l	99
44) Trichloroethene	7.21	130	250221	46.962	ug/l	98
45) 1,2-Dichloropropane	7.51	63	228845	47.091	ug/l	100
46) Dibromomethane	7.65	93	153987	48.926	ug/l	96
47) Bromodichloromethane	7.89	83	307915	49.881	ug/l	99
48) Methyl methacrylate	7.76	41	276056	50.459	ug/l	98
49) 1,4-Dioxane	7.73	88	103018	888.321	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	1734622	240.026	ug/l	100
52) Toluene	8.78	92	565892	48.803	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	345947	52.047	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	375857	51.402	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	237248	49.974	ug/l	98
56) Ethyl methacrylate	9.17	69	381745	47.523	ug/l	99
57) 1,3-Dichloropropane	9.37	76	400076	49.298	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	601643	251.996	ug/l	97
59) 2-Hexanone	9.48	43	1323256	235.963	ug/l	99
60) Dibromochloromethane	9.57	129	254893	51.439	ug/l	99
61) 1,2-Dibromoethane	9.67	107	250275	49.861	ug/l	100
64) Tetrachloroethene	9.33	164	290122	48.898	ug/l	98
65) Chlorobenzene	10.14	112	627119	48.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	240722	50.924	ug/l	98
67) Ethyl Benzene	10.25	91	1096835	50.104	ug/l	100
68) m/p-Xylenes	10.36	106	833544	100.507	ug/l	99
69) o-Xylene	10.70	106	410388	51.257	ug/l	99
70) Styrene	10.71	104	707411	52.672	ug/l	99
71) Bromoform	10.85	173	199616	53.101	ug/l #	99
73) Isopropylbenzene	11.01	105	1084986	49.635	ug/l	99
74) N-amyl acetate	10.89	43	497091	51.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	356118	45.628	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	299640m	41.427	ug/l	
77) Bromobenzene	11.25	156	292285	49.772	ug/l	94
78) n-propylbenzene	11.35	91	1227394	49.467	ug/l	99
79) 2-Chlorotoluene	11.42	91	729190	48.570	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	913958	50.377	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	118745	46.720	ug/l	97
82) 4-Chlorotoluene	11.51	91	840059	49.150	ug/l	99
83) tert-Butylbenzene	11.76	119	862329	50.582	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	919128	50.508	ug/l	99
85) sec-Butylbenzene	11.94	105	1058427	50.679	ug/l	99
86) p-Isopropyltoluene	12.06	119	977805	50.661	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	512351	48.547	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	518784	49.073	ug/l	99
89) n-Butylbenzene	12.39	91	856970	50.980	ug/l	99
90) Hexachloroethane	12.59	117	170705	47.616	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	510956	48.746	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	81953	48.873	ug/l	92

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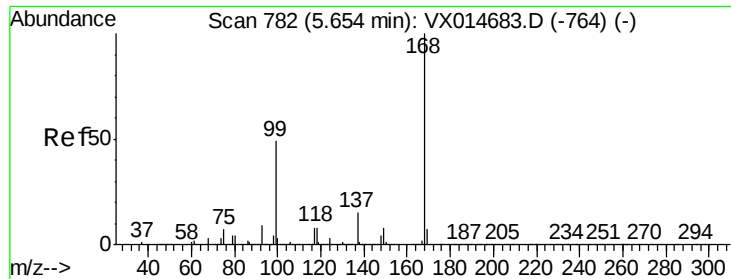
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	371162	54.922	ug/l	98
94) Hexachlorobutadiene	13.78	225	176448	50.729	ug/l	98
95) Naphthalene	13.83	128	1140747	52.302	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	370146	54.168	ug/l	98

(#) = 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: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 430783

Ion Ratio Lower Upper

168 100

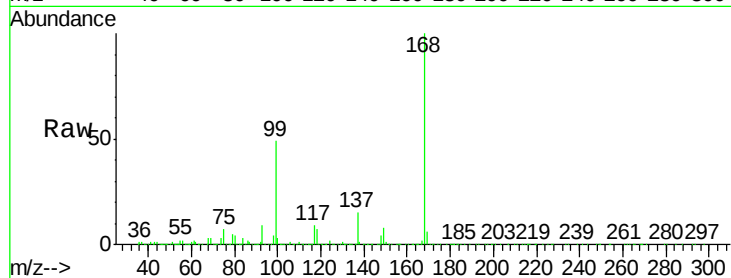
99 48.9 39.8 59.6

Manual Integrations

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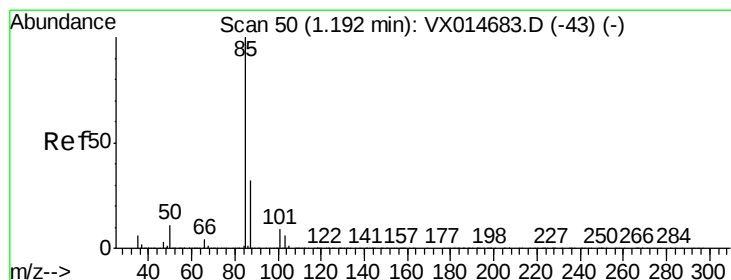
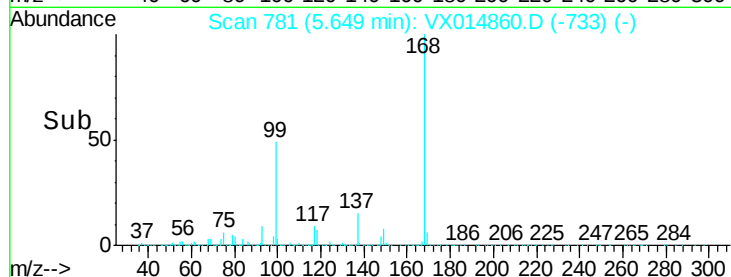
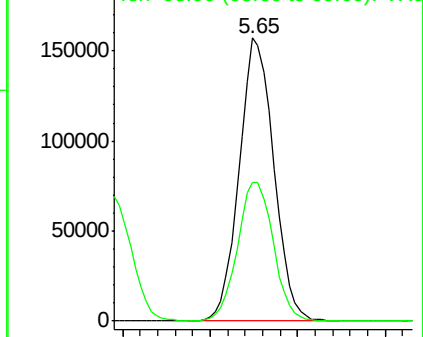
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.642 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014860.D

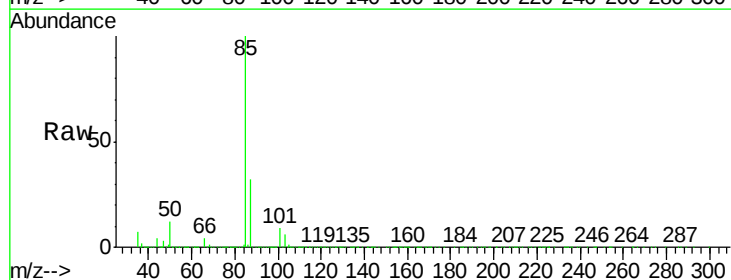
Acq: 06 Feb 2020 20:03

Tgt Ion: 85 Resp: 240264

Ion Ratio Lower Upper

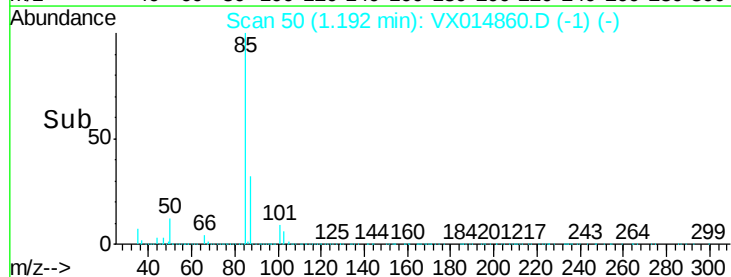
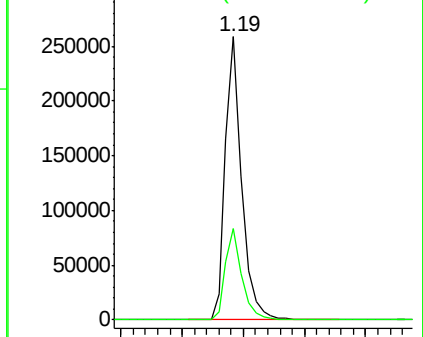
85 100

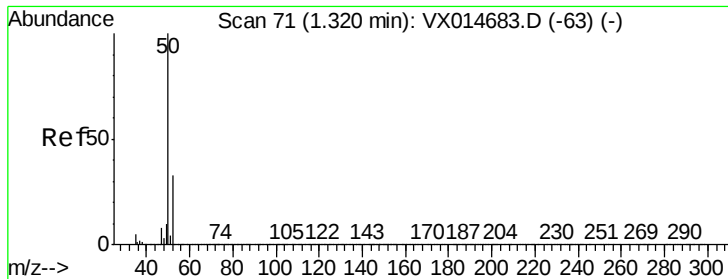
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 40.694 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 237153

Ion Ratio Lower Upper

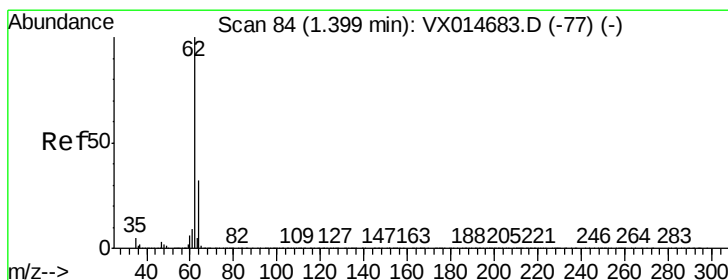
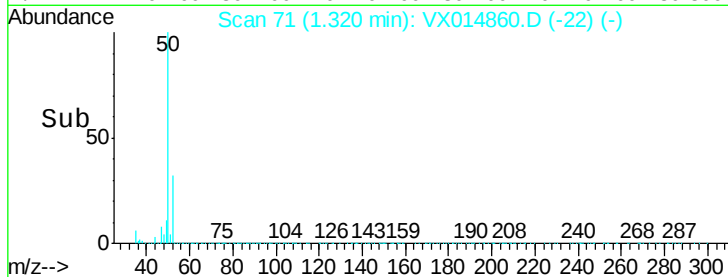
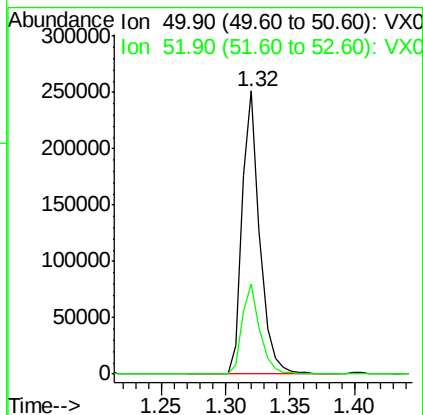
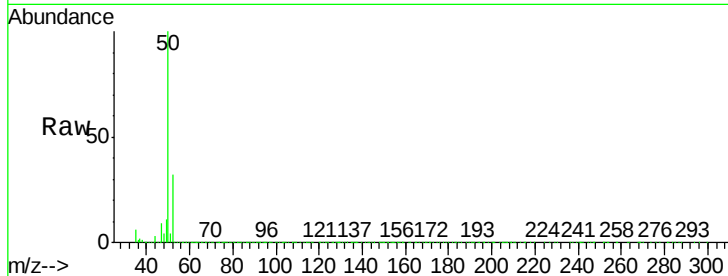
50 100

52 31.8 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 44.868 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX014860.D

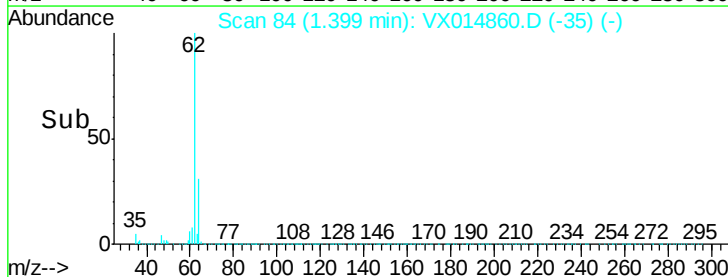
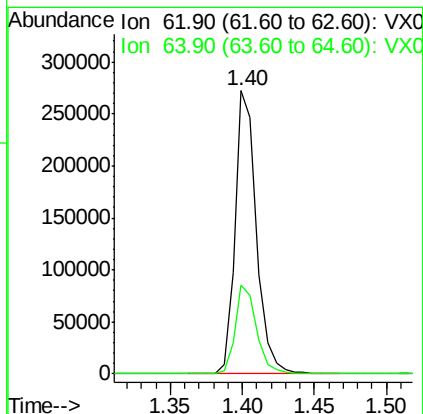
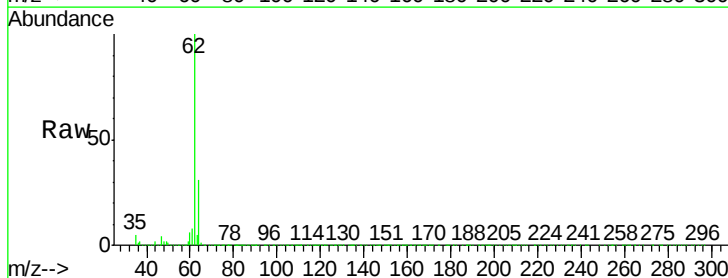
Acq: 06 Feb 2020 20:03

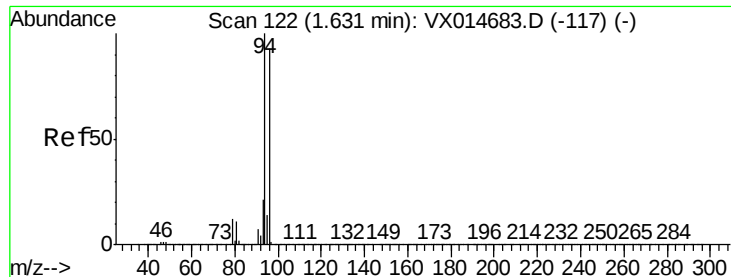
Tgt Ion: 62 Resp: 282720

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2





#5

Bromomethane

Concen: 40.880 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 174963

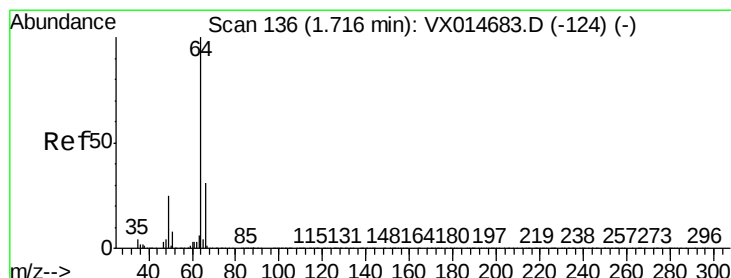
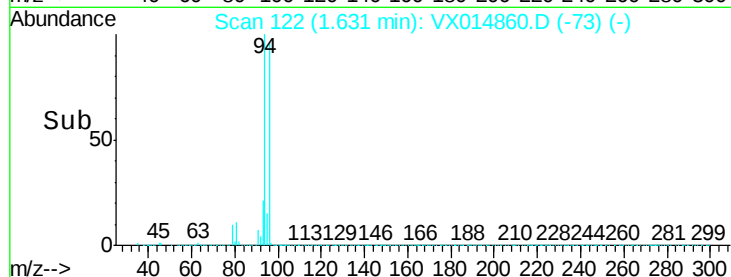
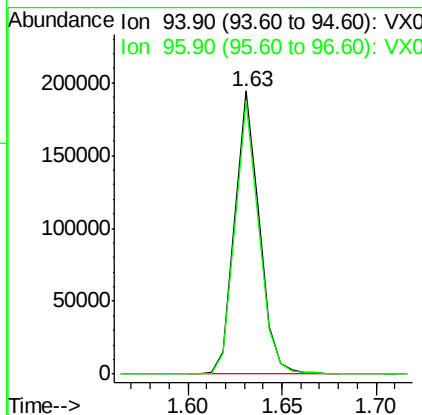
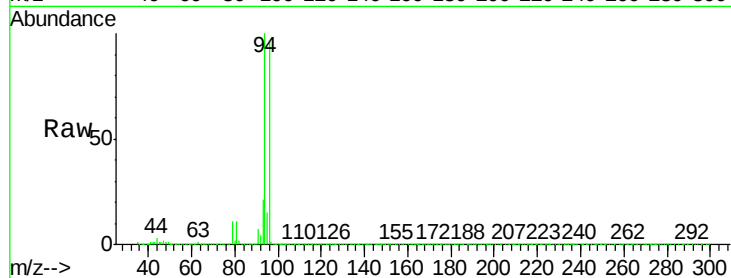
Ion Ratio Lower Upper

94 100

96 96.4 74.7 112.1

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#6

Chloroethane

Concen: 44.685 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.00 min

Lab File: VX014860.D

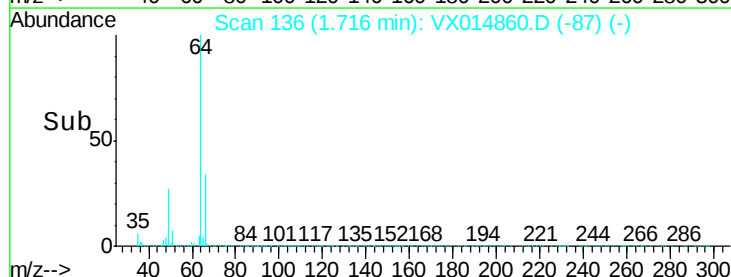
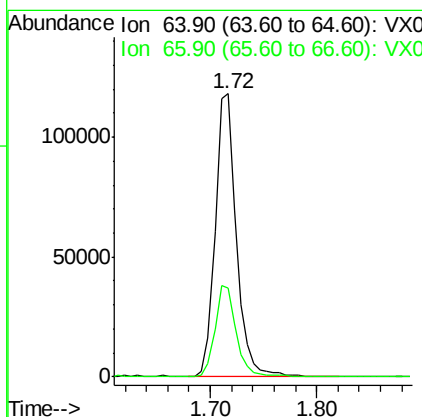
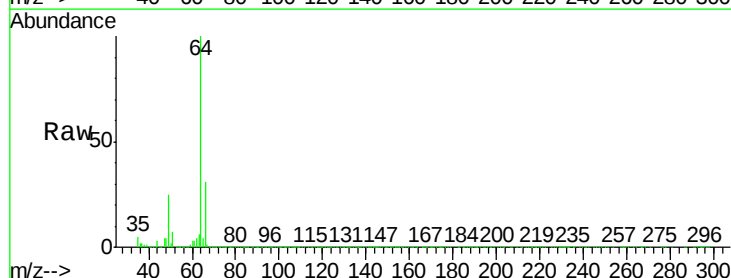
Acq: 06 Feb 2020 20:03

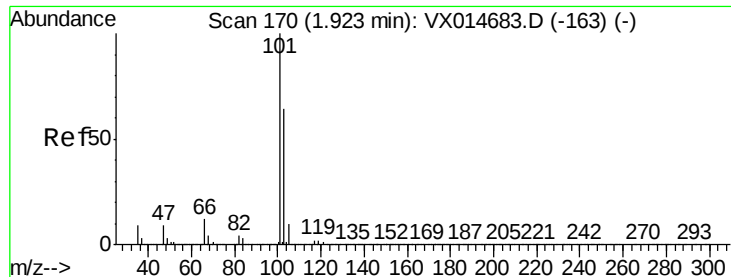
Tgt Ion: 64 Resp: 161621

Ion Ratio Lower Upper

64 100

66 31.1 25.2 37.8





#7

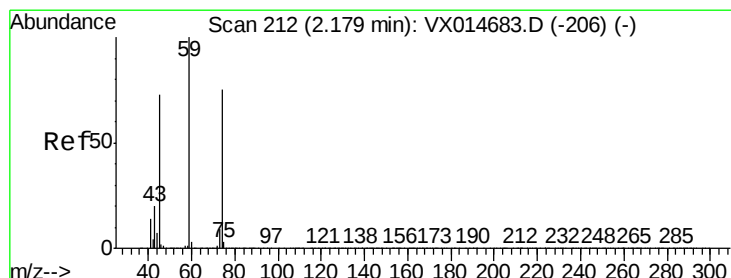
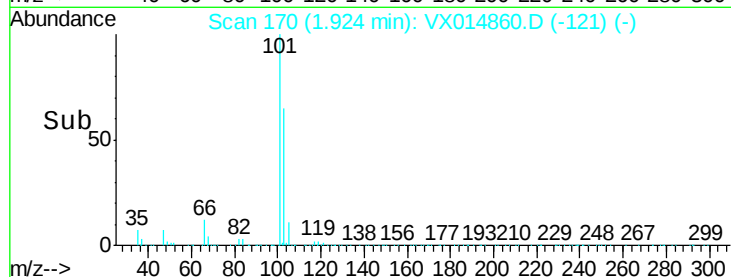
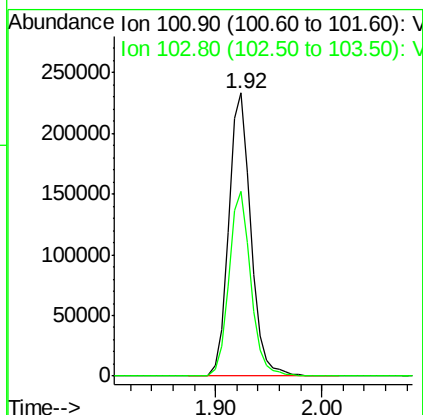
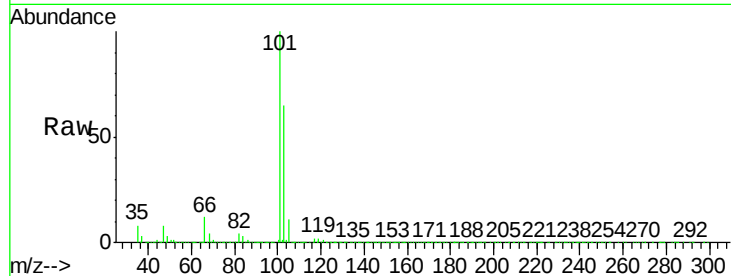
Trichlorofluoromethane
Concen: 46.494 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.0	76.6

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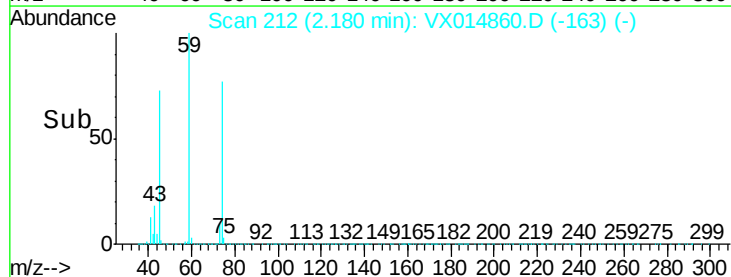
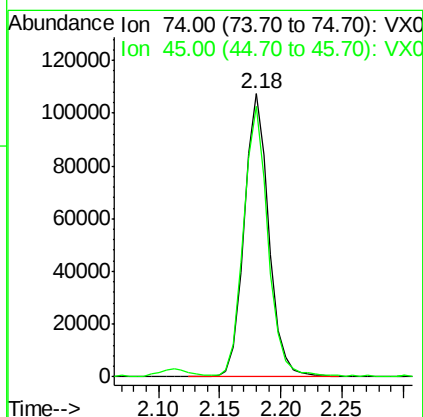
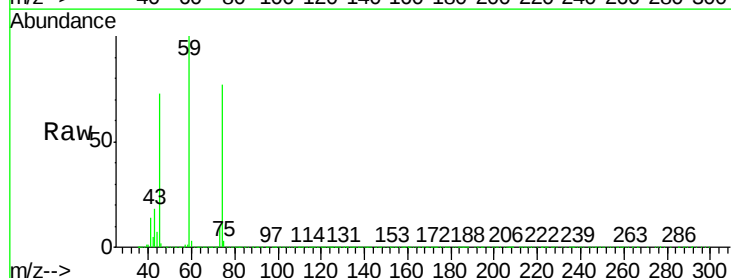
MMDadoda
2/7/2020 11:45:00 AM

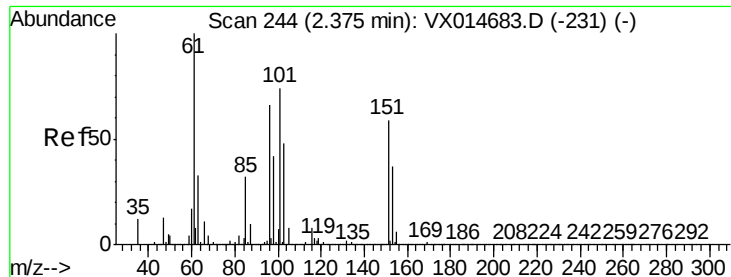


#8

Diethyl Ether
Concen: 46.782 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	49.4	148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.955 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

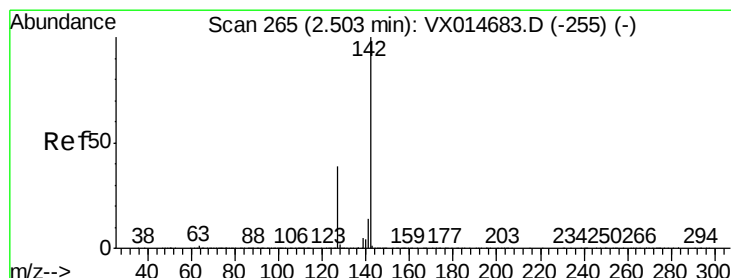
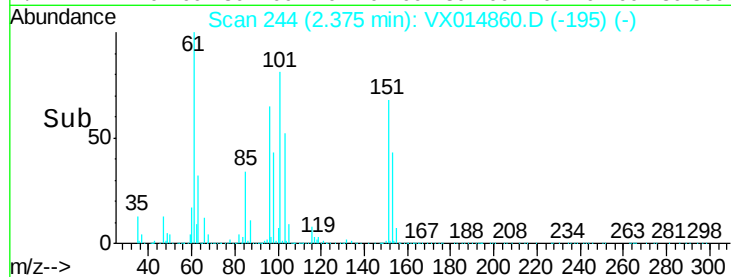
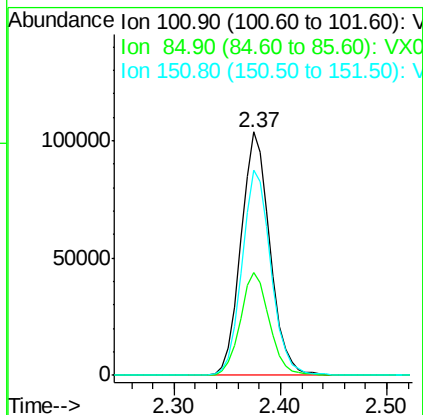
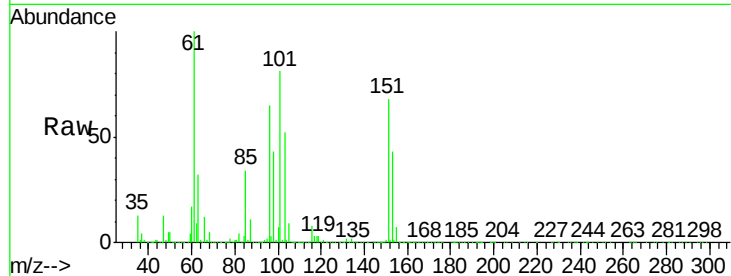
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	197934
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.7	52.1
151	84.3	64.7	97.1

Manual Integrations
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#10

Methyl Iodide

Concen: 51.327 ug/l

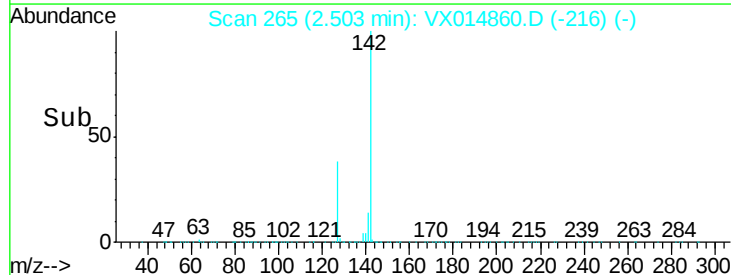
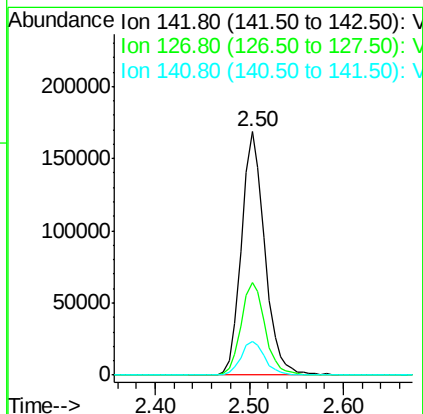
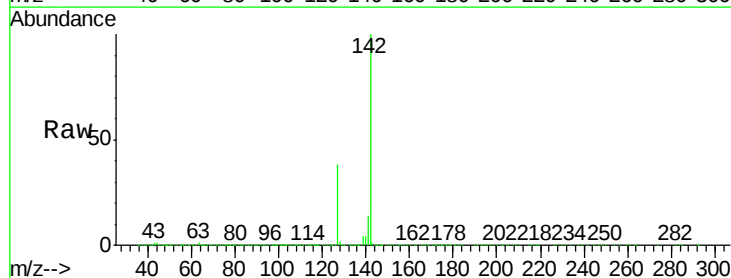
RT: 2.50 min Scan# 265

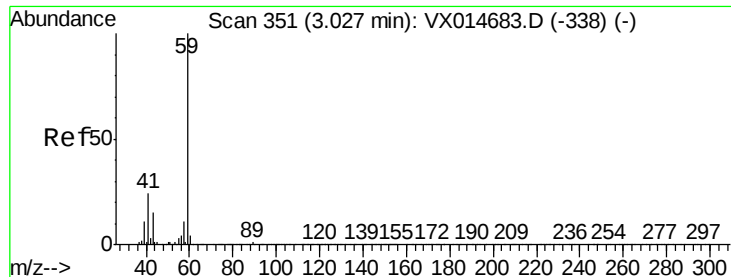
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	142	Resp:	290080
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.1	46.7
141	14.6	11.3	16.9





#11

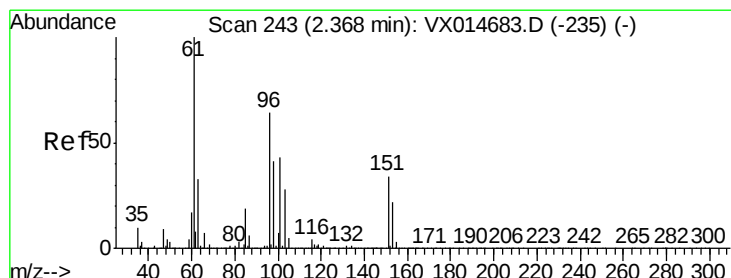
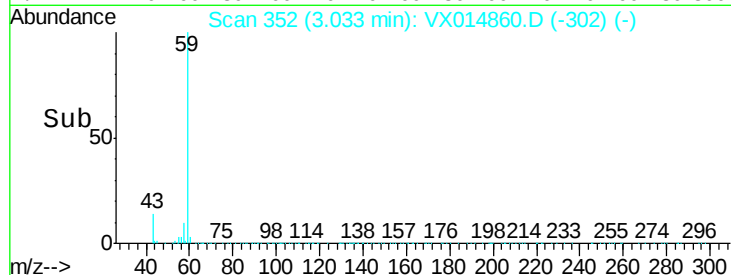
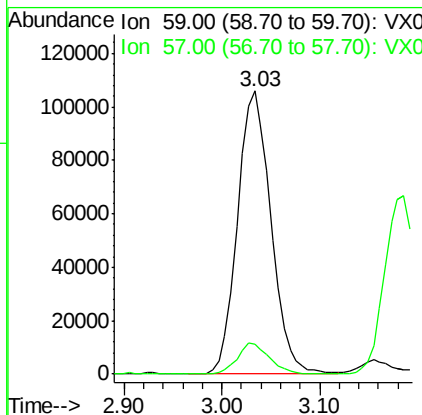
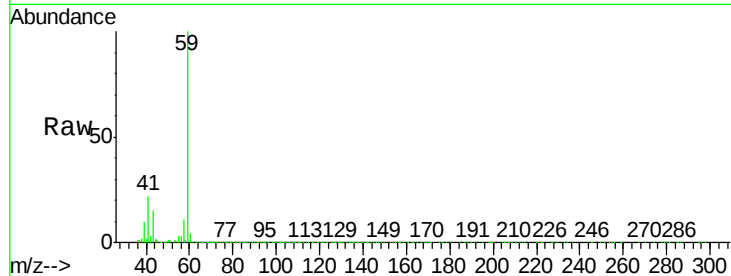
Tert butyl alcohol
Concen: 221.775 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

Manual Integrations
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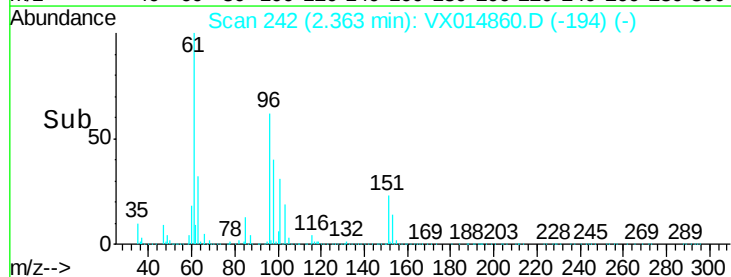
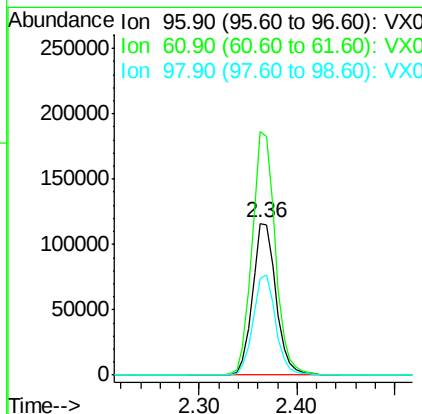
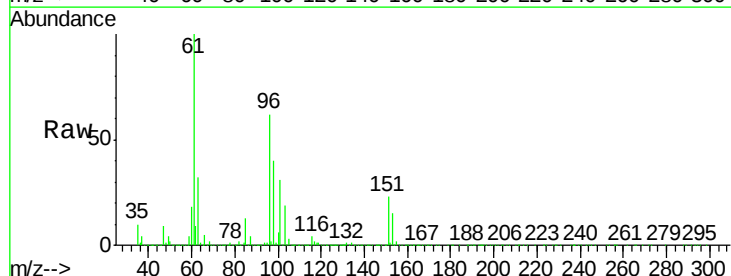
MMDadoda
2/7/2020 11:45:00 AM

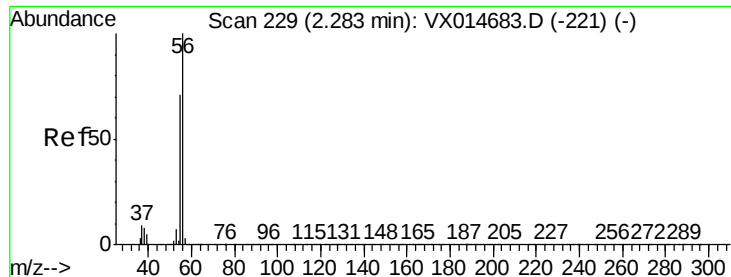


#12

1,1-Dichloroethene
Concen: 45.145 ug/l
RT: 2.36 min Scan# 242
Delta R.T. -0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	125.8	188.8
98	63.7	51.5	77.3





#13

Acrolein

Concen: 242.198 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 215680

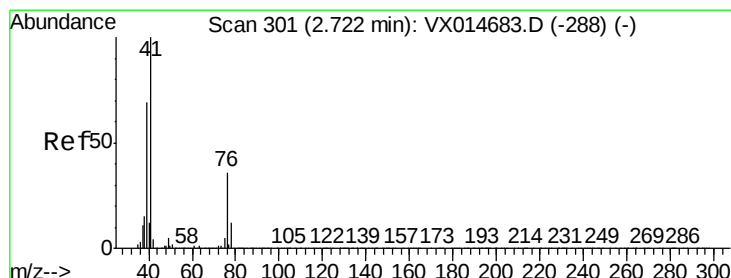
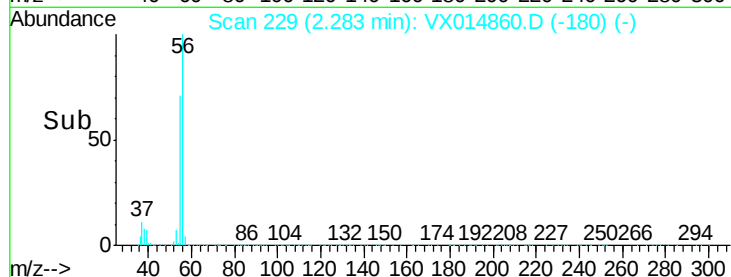
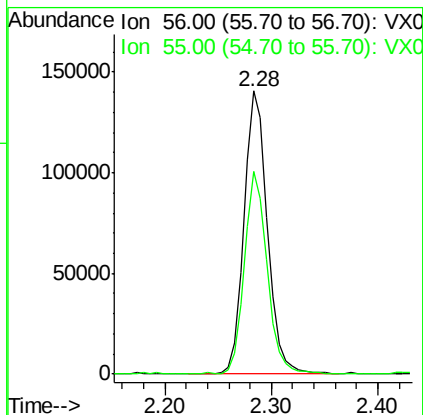
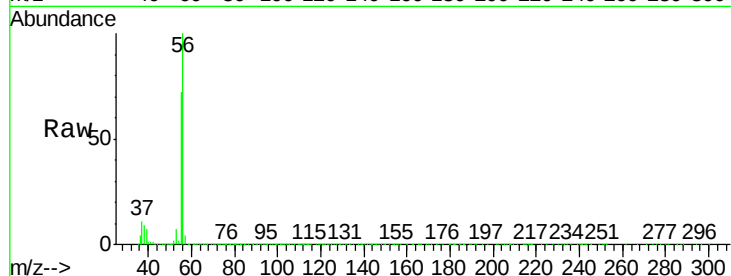
Ion Ratio Lower Upper

56 100

55 69.9 56.6 84.8

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#14

Allyl chloride

Concen: 45.404 ug/l

RT: 2.72 min Scan# 301

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

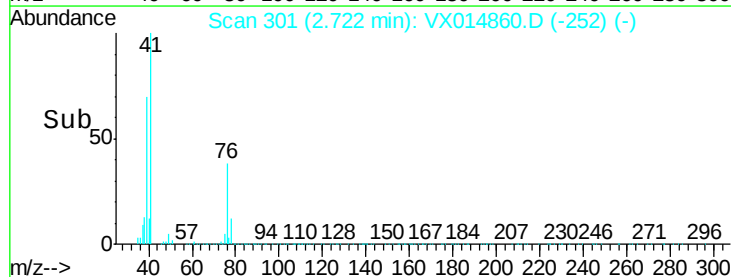
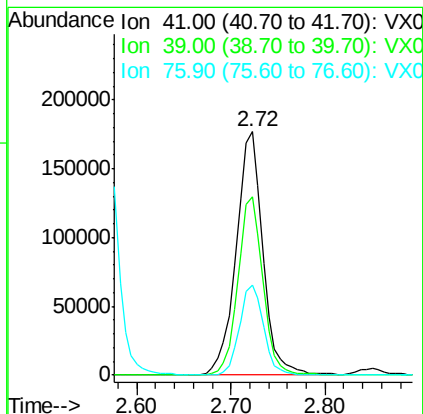
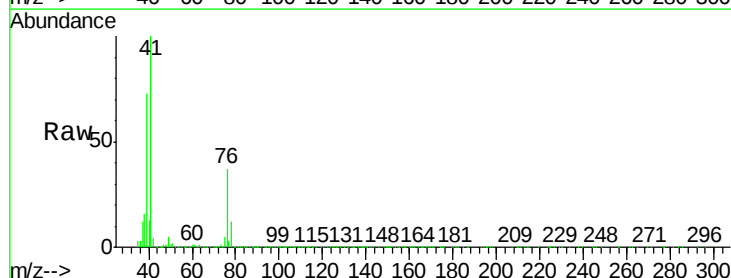
Tgt Ion: 41 Resp: 349490

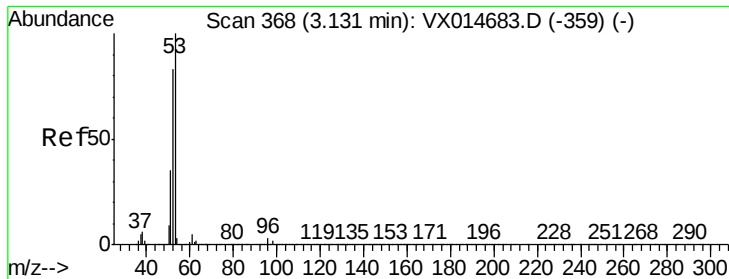
Ion Ratio Lower Upper

41 100

39 67.8 52.0 78.0

76 33.2 26.0 39.0





#15

Acrylonitrile

Concen: 236.115 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

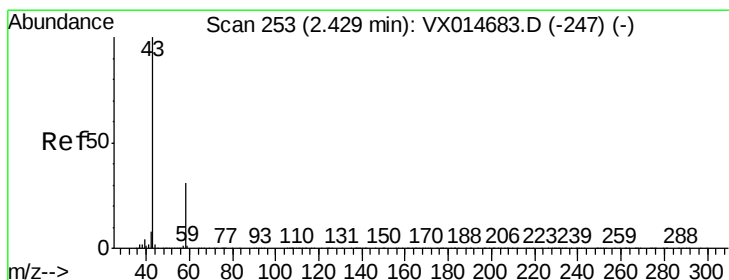
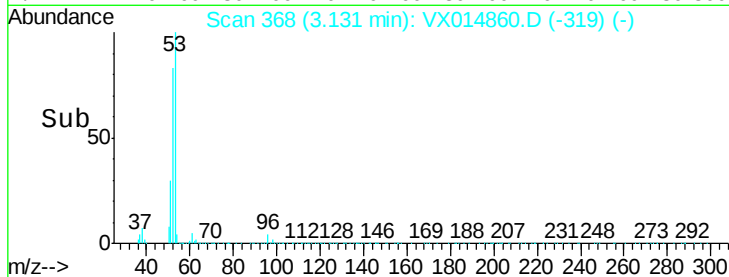
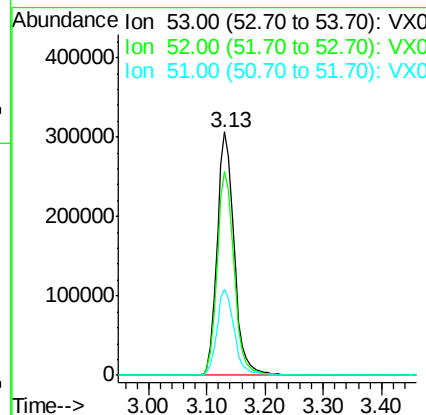
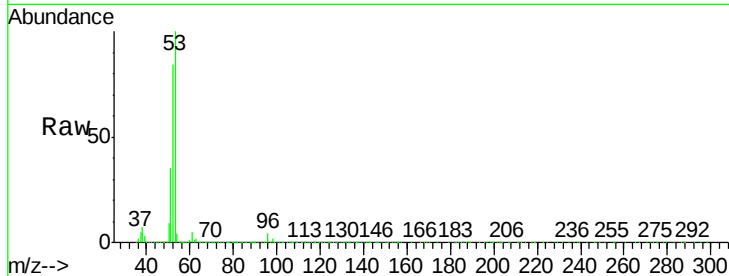
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	617013
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.4	99.6
51	36.0	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 199.432 ug/l

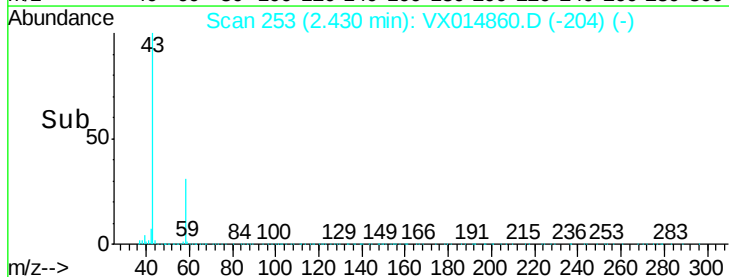
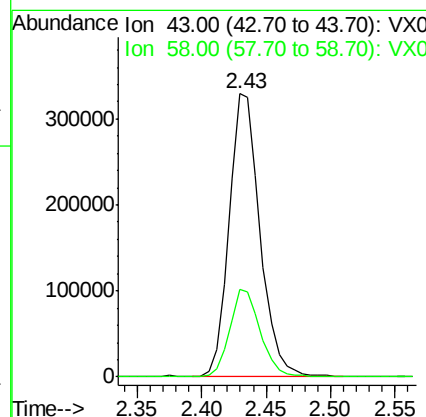
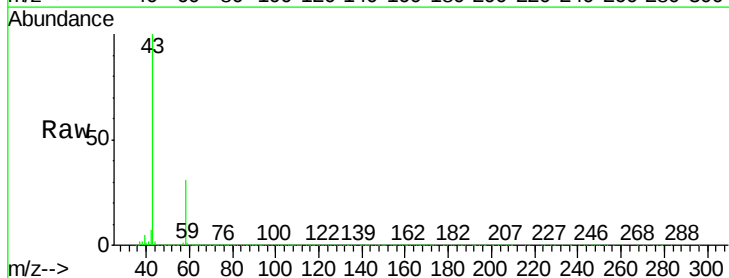
RT: 2.43 min Scan# 253

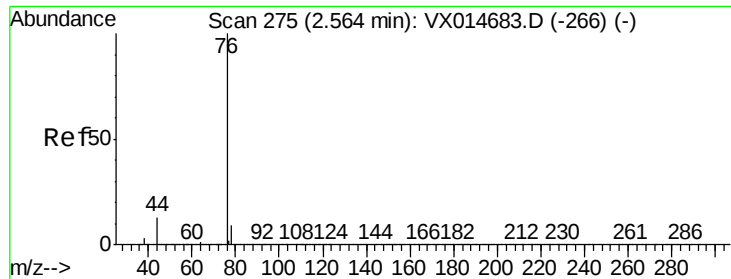
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	43	Resp:	549763
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.5	36.7





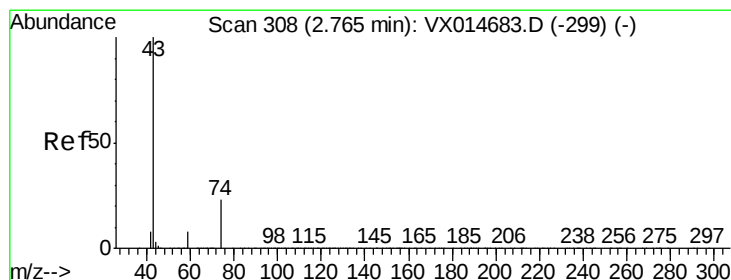
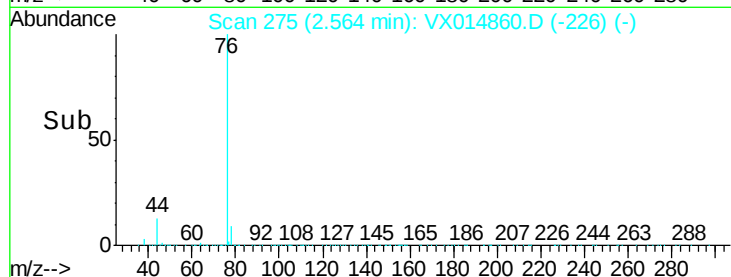
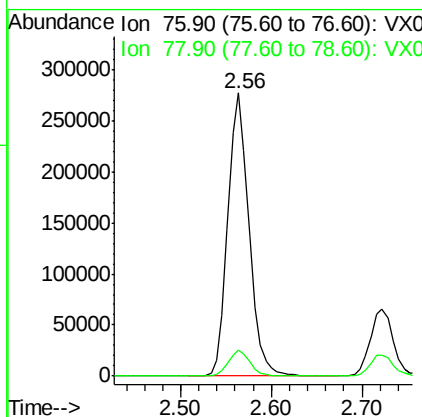
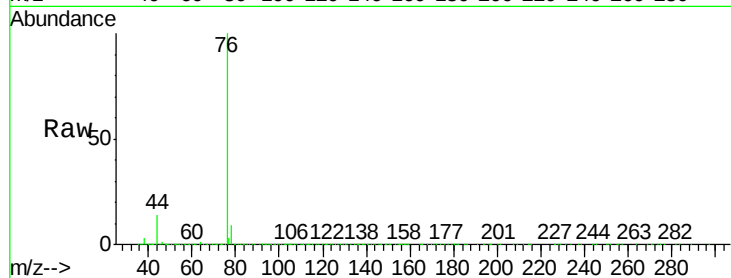
#17
Carbon Disulfide
Concen: 38.368 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

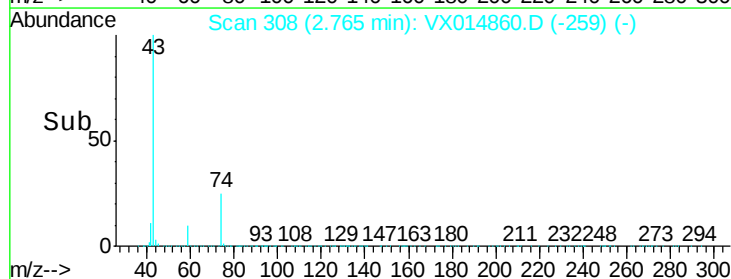
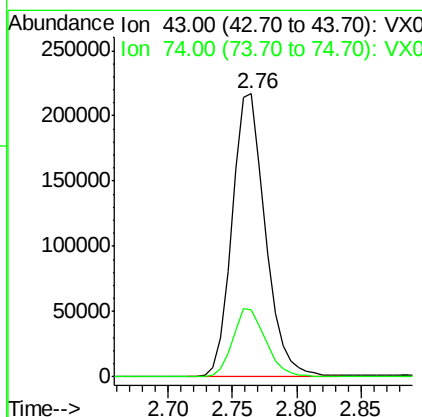
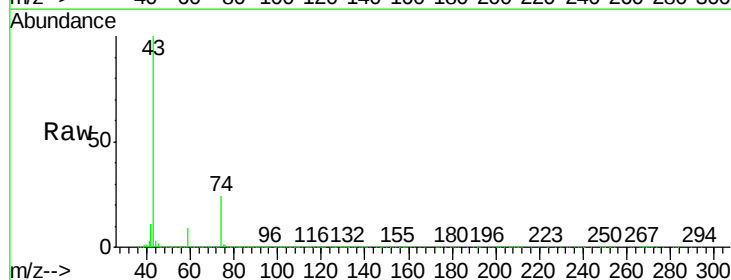
Manual Integrations
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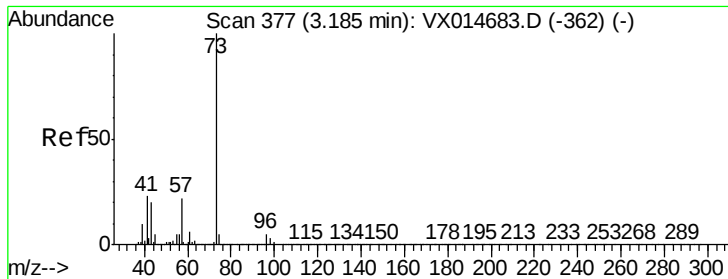
MMDadoda
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#18
Methyl Acetate
Concen: 49.563 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.5	27.7





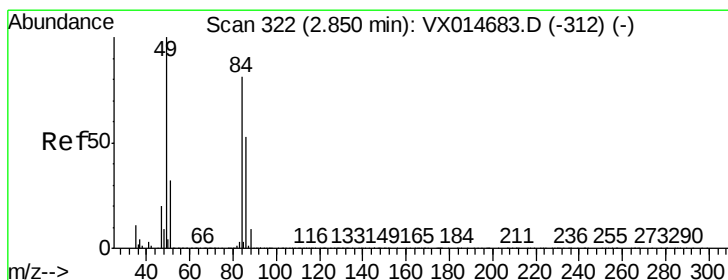
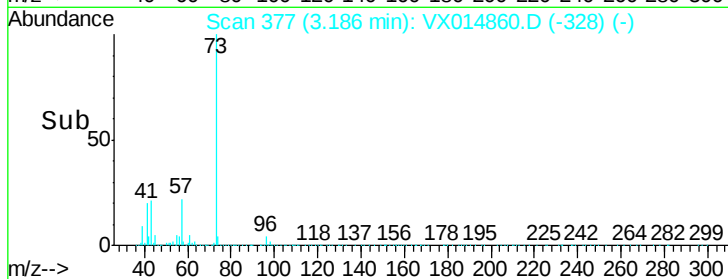
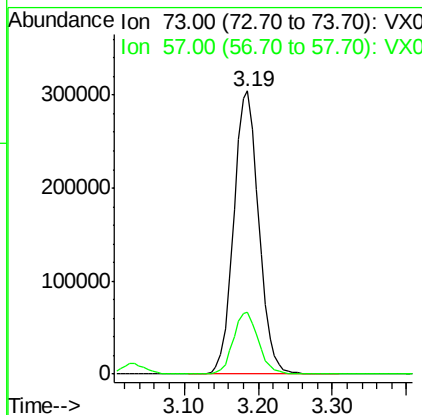
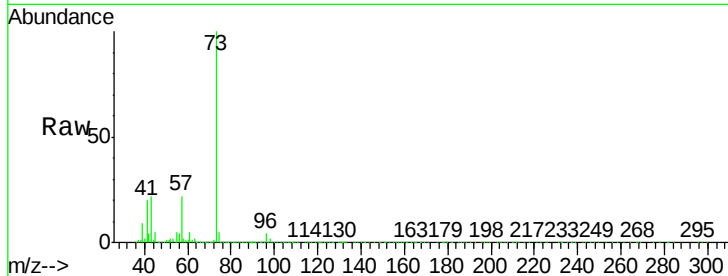
#19
Methyl tert-butyl Ether
Concen: 51.154 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.0	27.0

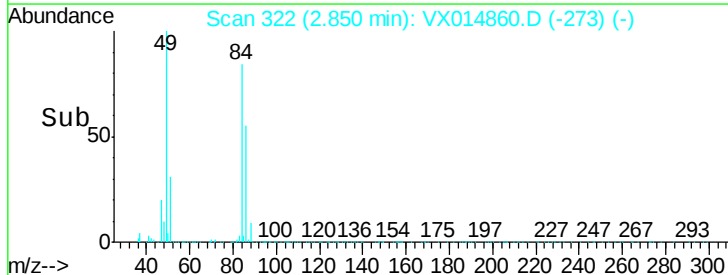
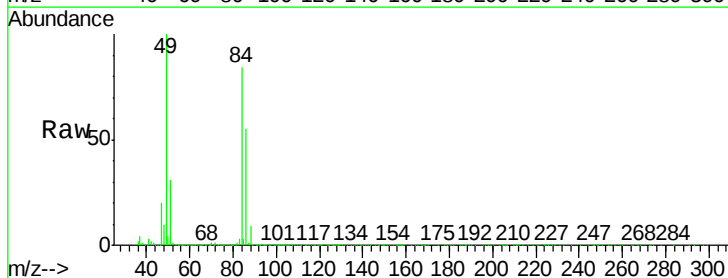
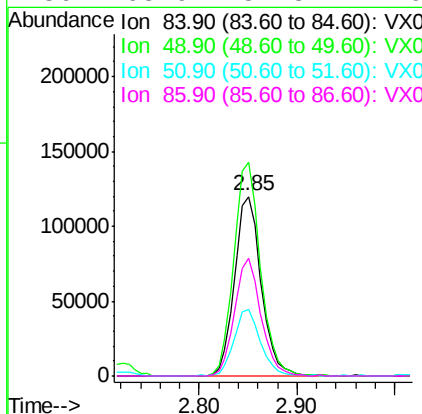
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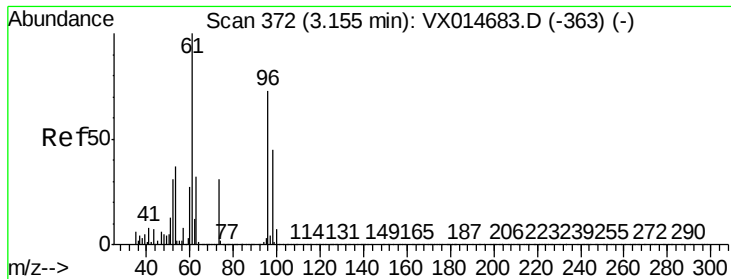
MMDadoda
2/7/2020 11:45:00 AM



#20
Methylene Chloride
Concen: 44.399 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.1	98.2	147.4
51	37.1	31.3	46.9
86	65.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 43.784 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

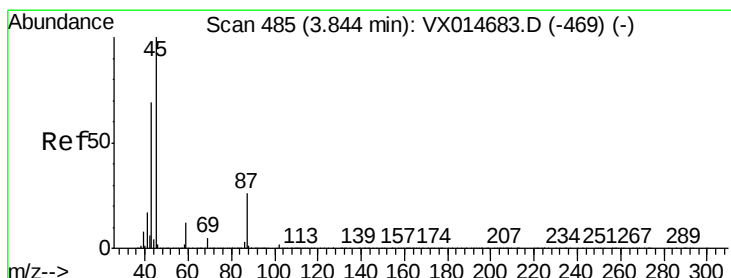
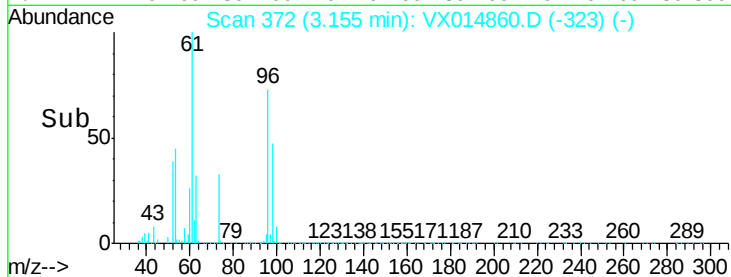
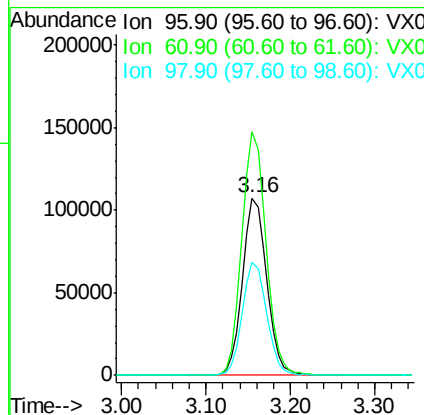
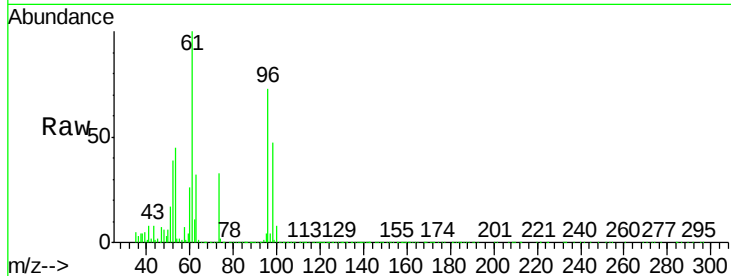
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	206450
Ion Ratio	Lower	Upper	
96	100		
61	137.3	109.8	164.6
98	64.0	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.431 ug/l

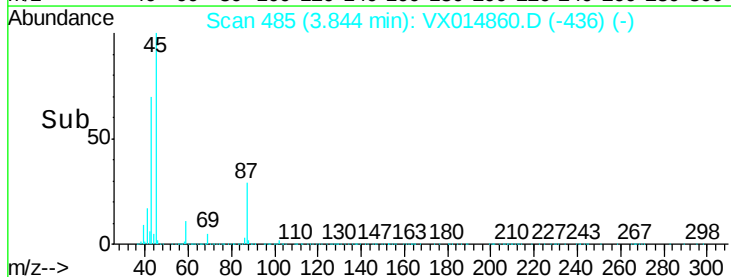
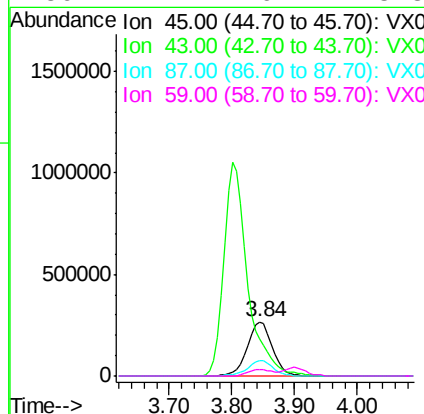
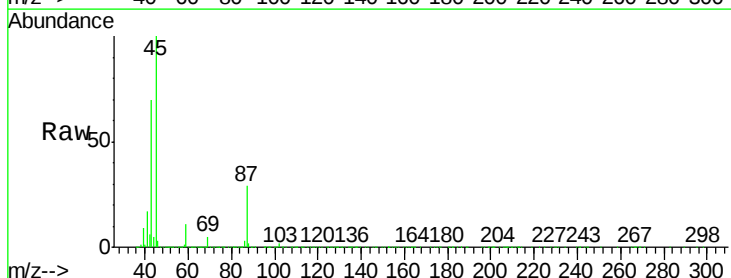
RT: 3.84 min Scan# 485

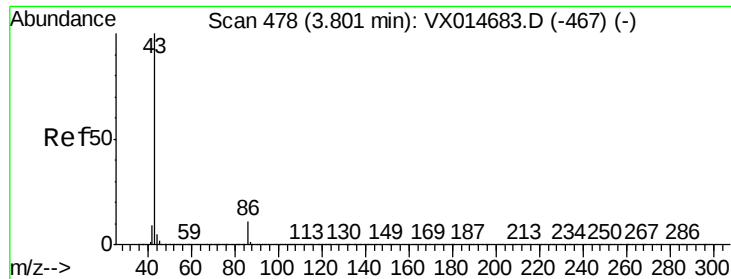
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	45	Resp:	726357
Ion Ratio	Lower	Upper	
45	100		
43	69.9	55.1	82.7
87	29.1	20.7	31.1
59	11.1	9.2	13.8





#23

Vinyl Acetate

Concen: 236.758 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2763874

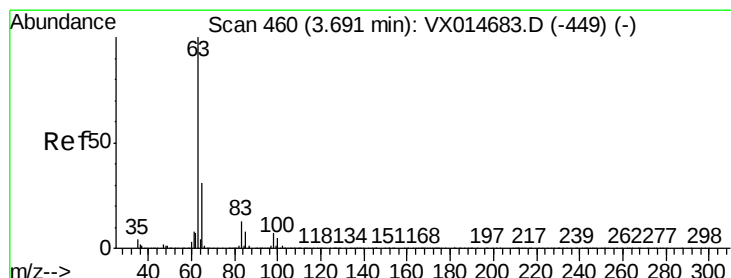
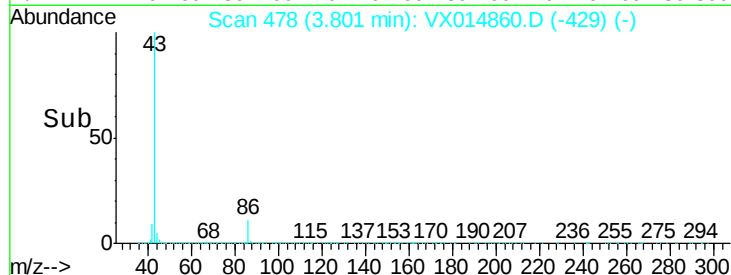
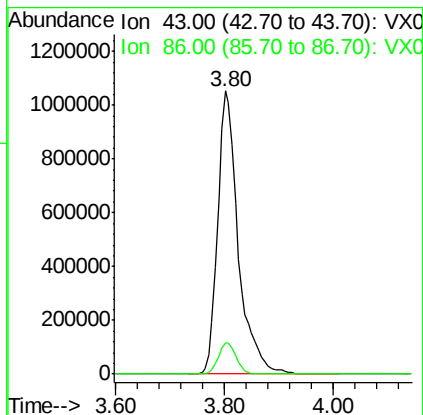
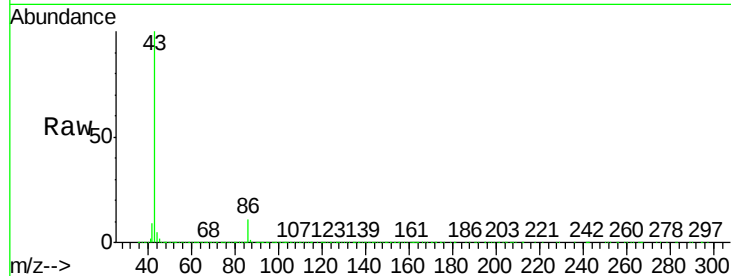
Ion Ratio Lower Upper

43 100

86 11.1 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 47.162 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.01 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

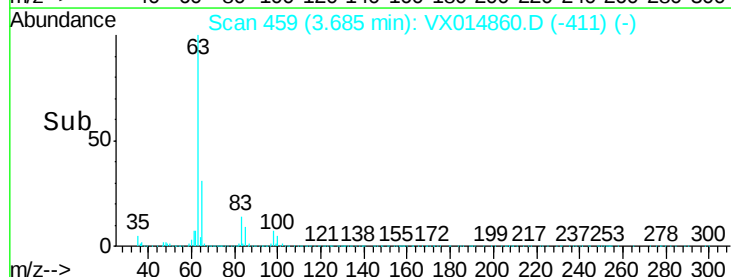
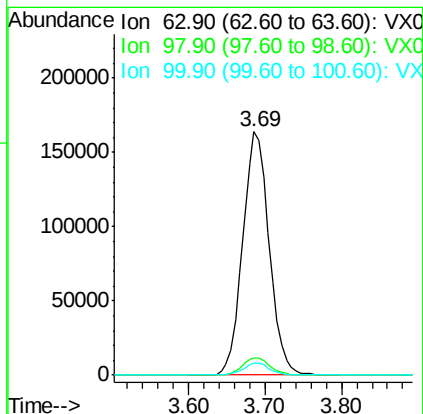
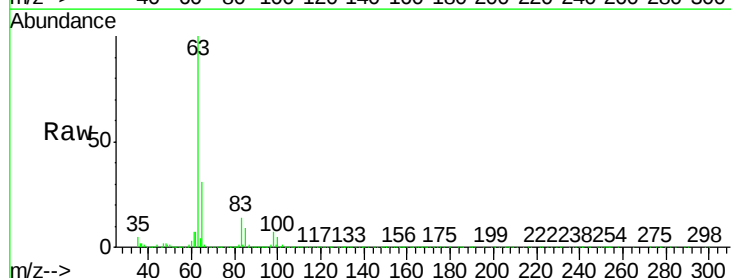
Tgt Ion: 63 Resp: 392234

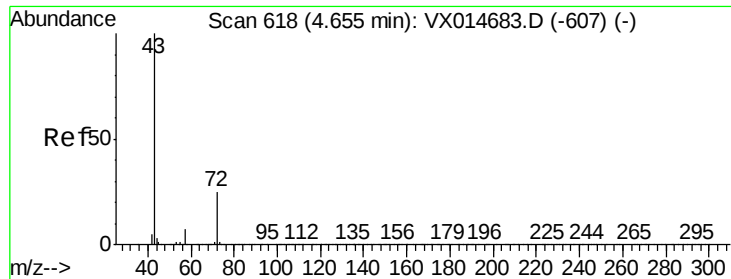
Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 220.527 ug/l

RT: 4.65 min Scan# 618

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 871121

Ion Ratio Lower Upper

43 100

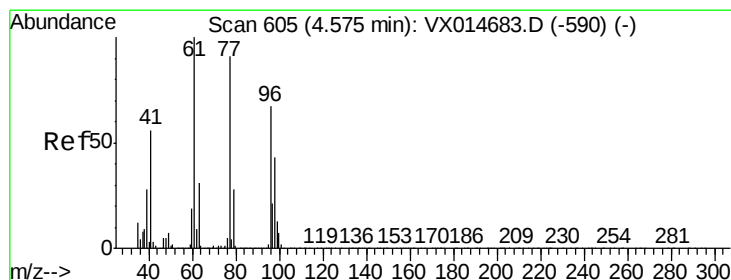
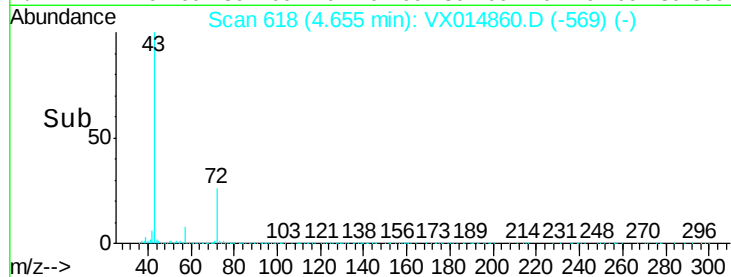
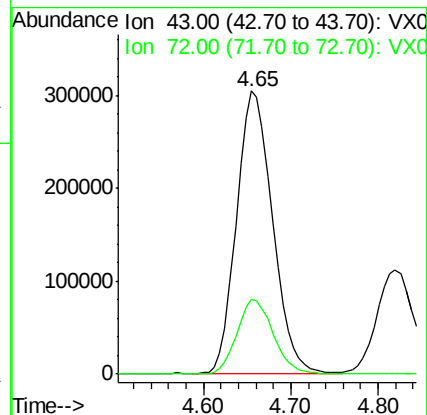
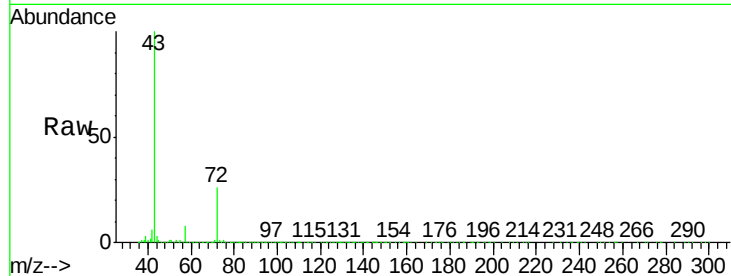
72 26.3 19.9 29.9

Manual Integrations

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2/7/2020 11:45:00 AM



#26

2,2-Dichloropropane

Concen: 47.805 ug/l

RT: 4.58 min Scan# 605

Delta R.T. 0.00 min

Lab File: VX014860.D

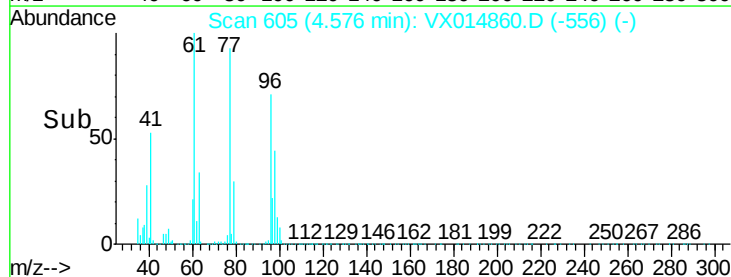
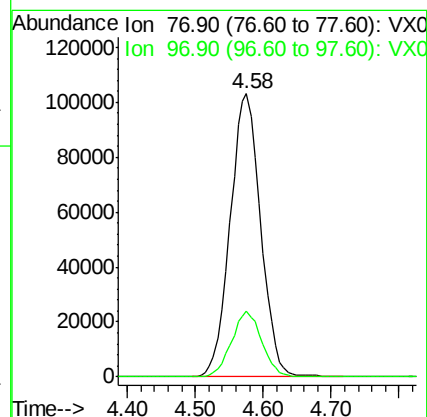
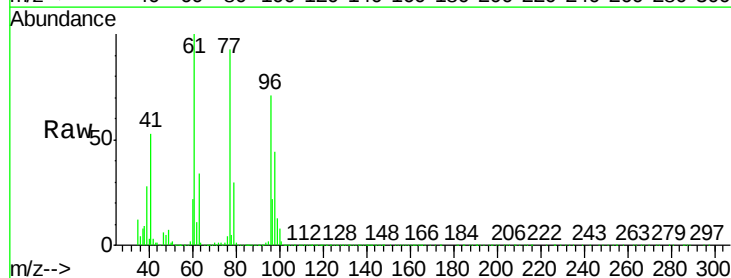
Acq: 06 Feb 2020 20:03

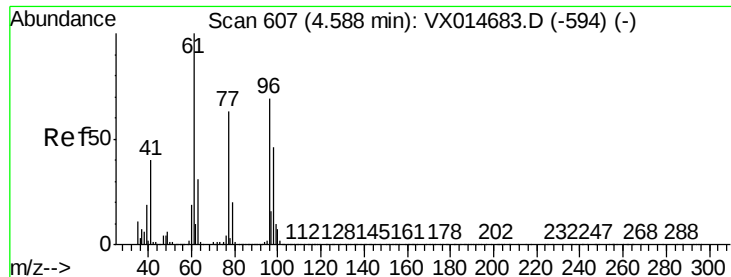
Tgt Ion: 77 Resp: 318235

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3





#27

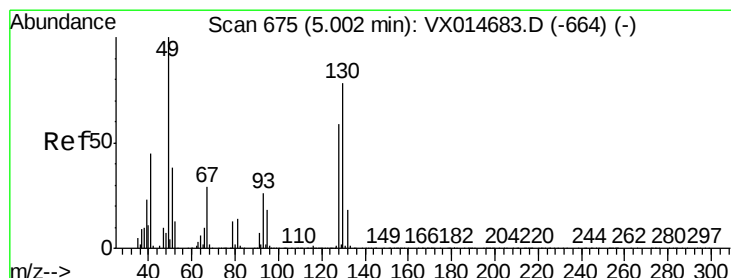
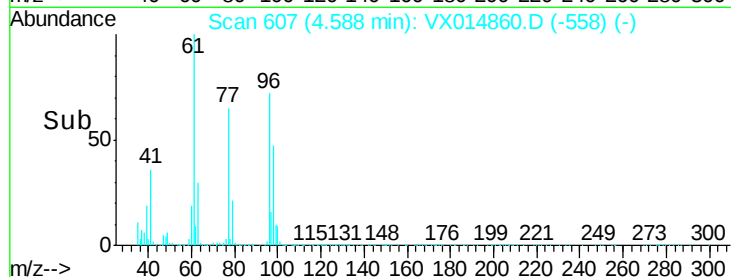
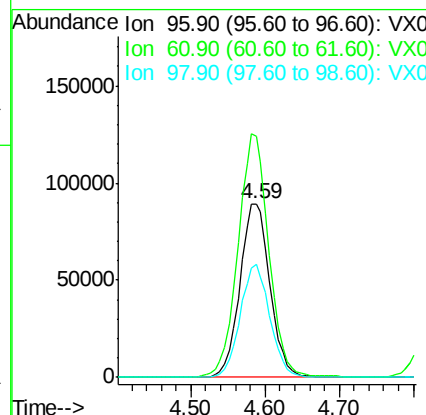
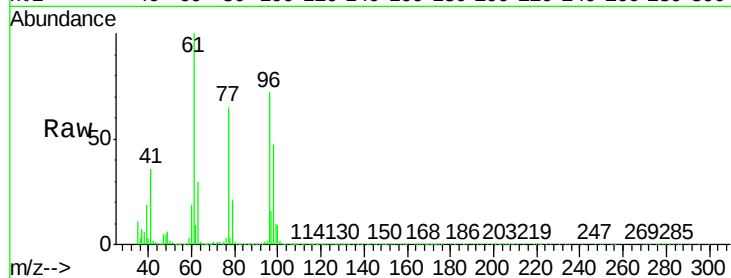
cis-1,2-Dichloroethene
Concen: 47.921 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	252889		
61	142.3	0.0	291.0	
98	63.7	0.0	129.8	

Manual Integrations
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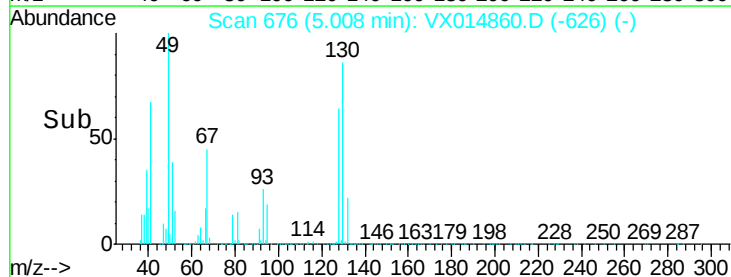
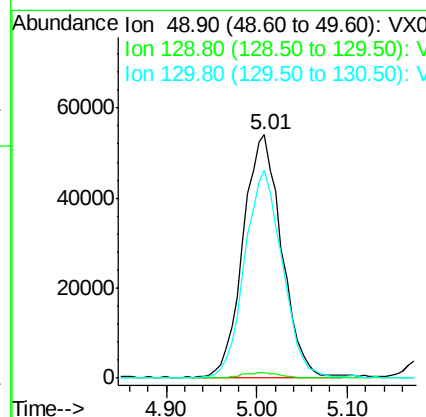
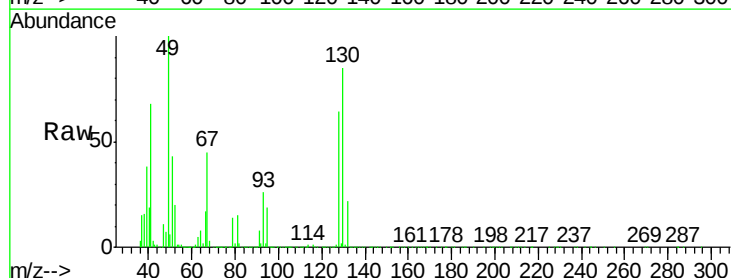
MMDadoda
2/7/2020 11:45:00 AM

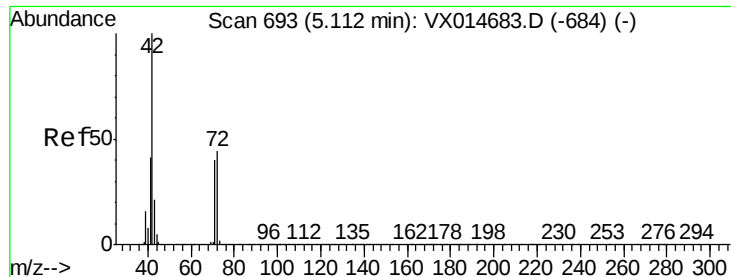


#28

Bromochloromethane
Concen: 43.477 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158891		
129	2.4	0.0	4.8	
130	83.4	62.4	93.6	





#29

Tetrahydrofuran

Concen: 234.678 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

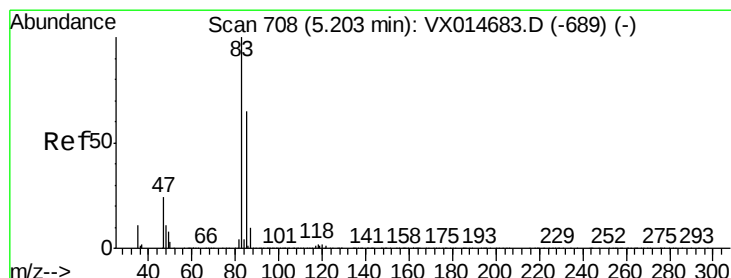
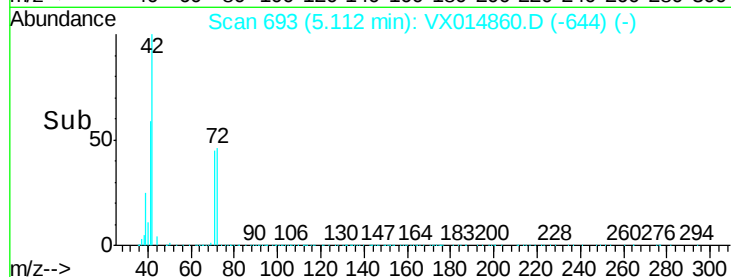
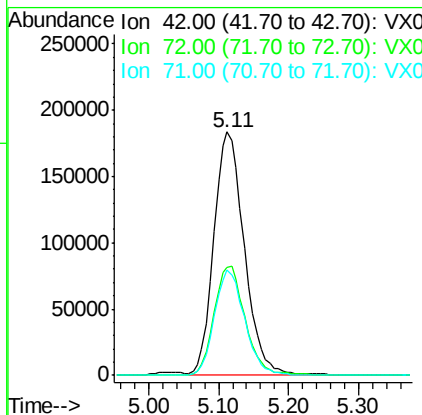
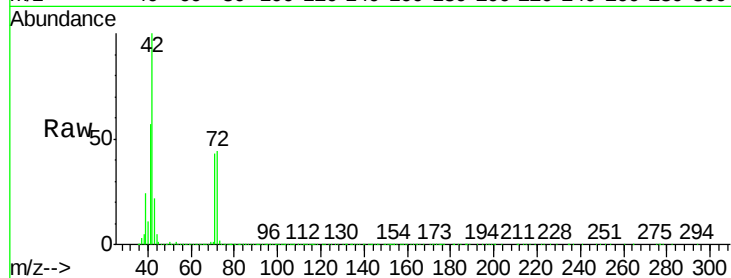
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	550204
Ion Ratio		Lower	Upper
42	100		
72	46.0	35.3	52.9
71	43.5	33.1	49.7

Manual Integrations
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#30

Chloroform

Concen: 48.753 ug/l

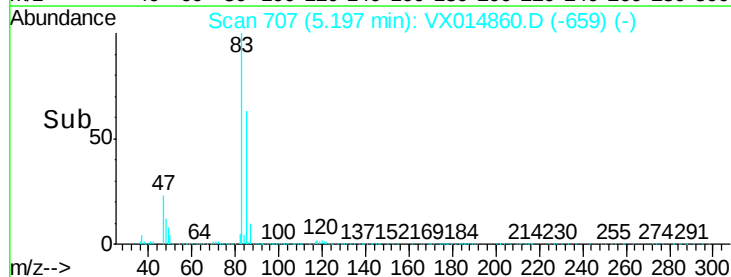
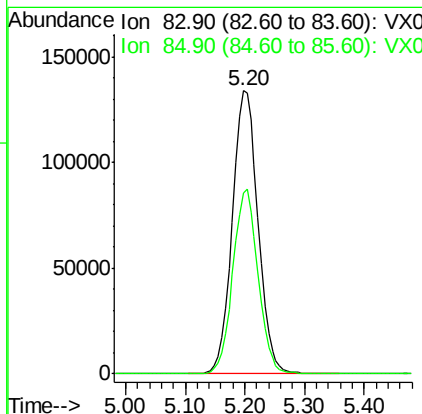
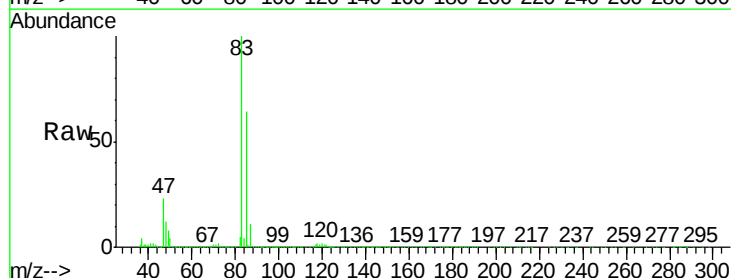
RT: 5.20 min Scan# 707

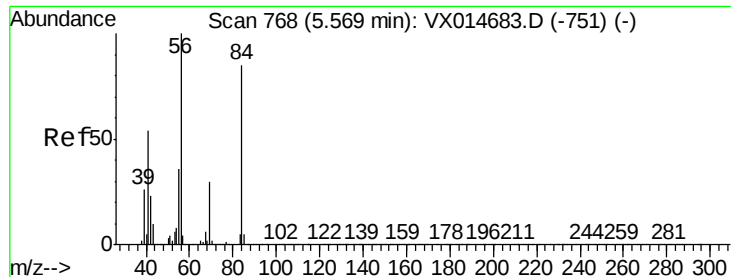
Delta R.T. -0.01 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	83	Resp:	401660
Ion Ratio		Lower	Upper
83	100		
85	63.7	51.7	77.5





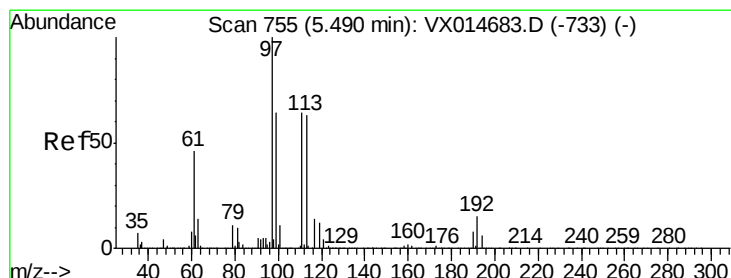
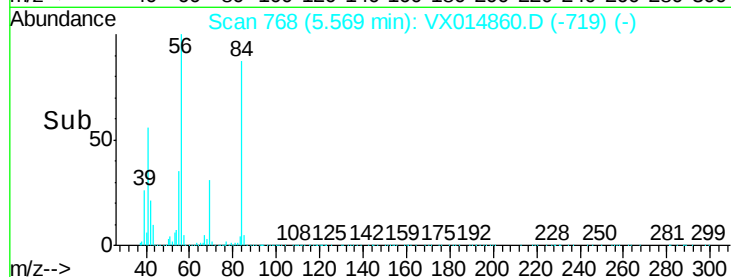
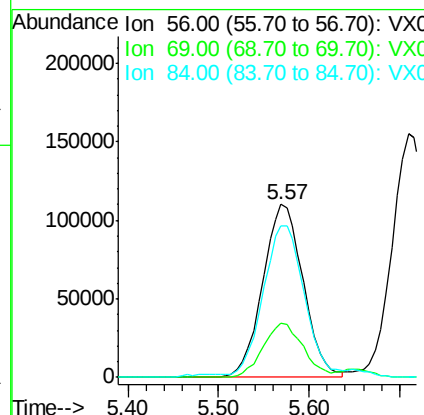
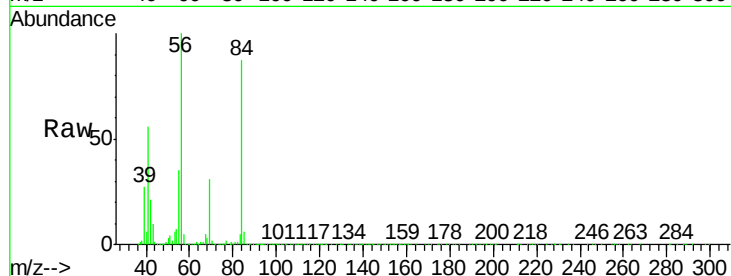
#31
Cyclohexane
Concen: 43.266 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.4	35.2
84	86.3	68.4	102.6

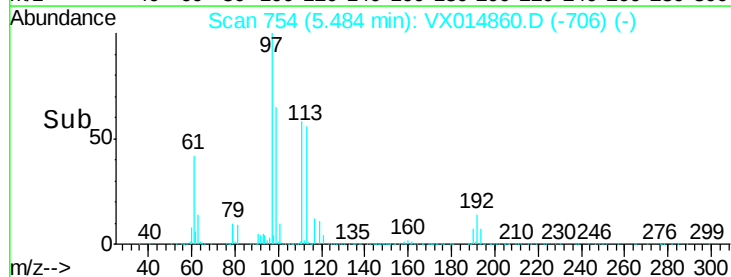
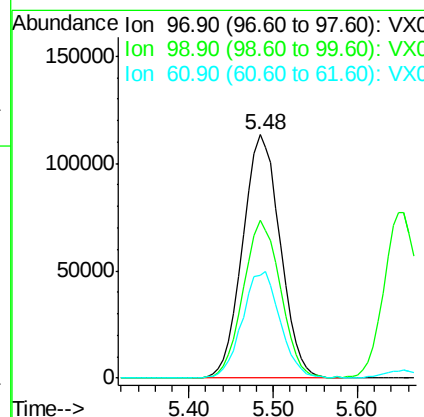
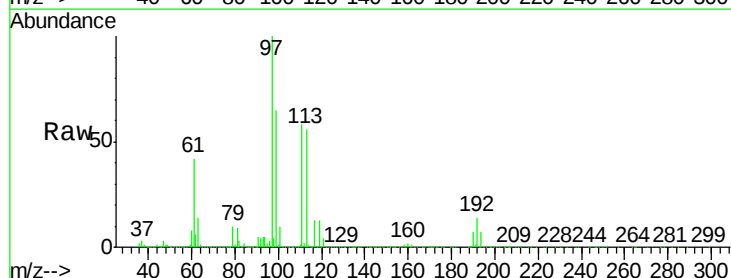
Manual Integrations
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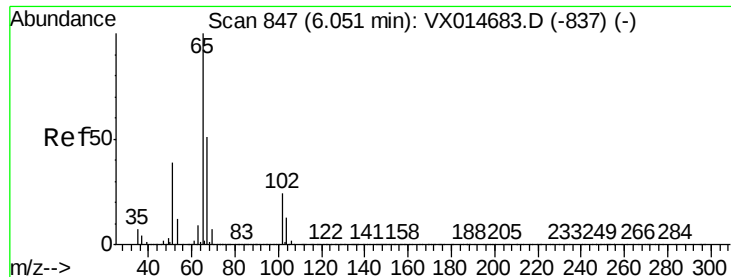
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.075 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	44.2	37.2	55.8





#33

1,2-Dichloroethane-d4

Concen: 45.564 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 229210

Ion Ratio Lower Upper

65 100

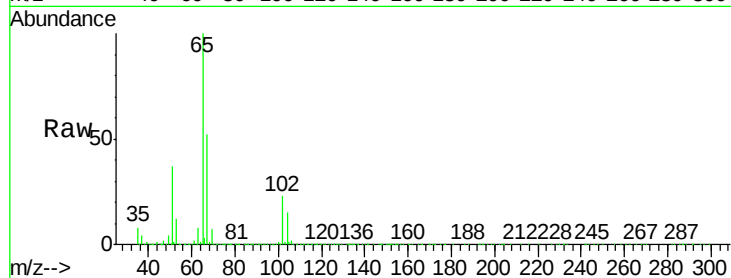
67 51.3 0.0 107.4

Manual Integrations

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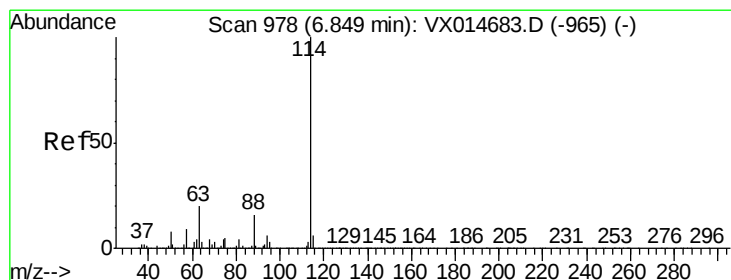
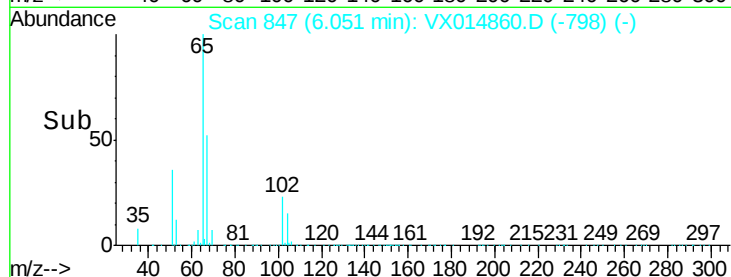
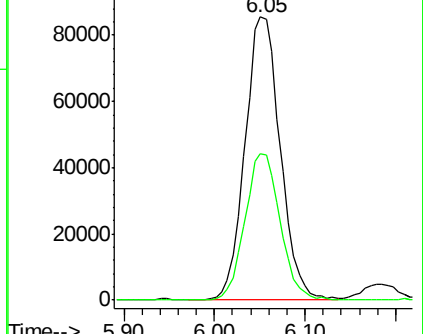
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

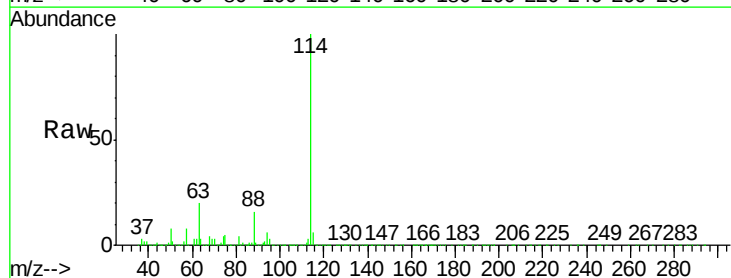
Tgt Ion: 114 Resp: 657022

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.6

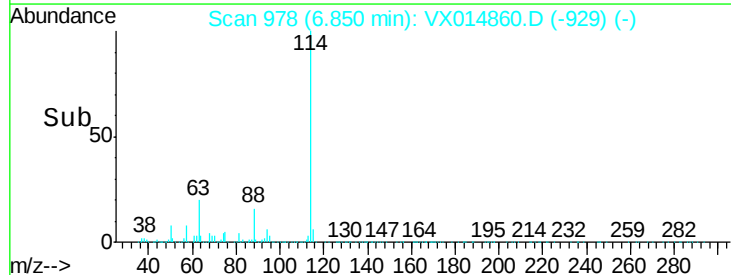
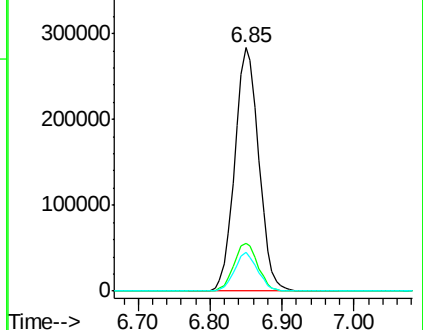
88 16.0 0.0 31.2

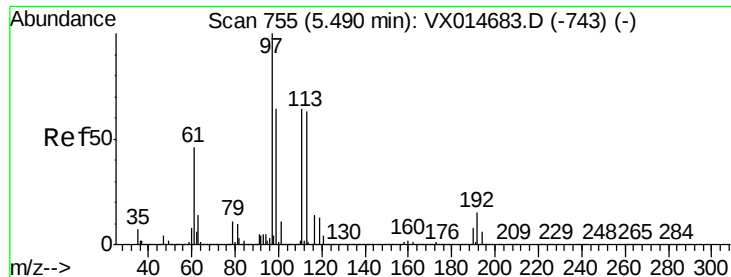


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.880 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

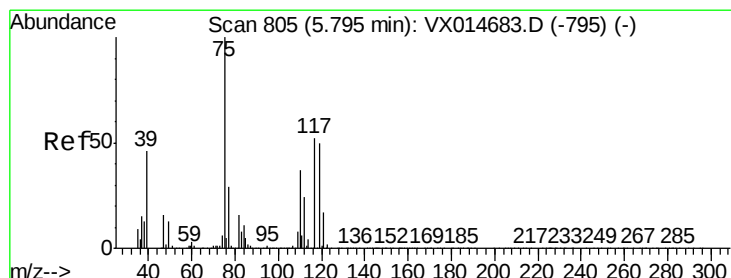
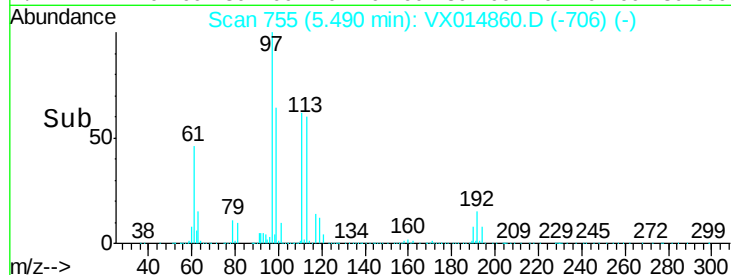
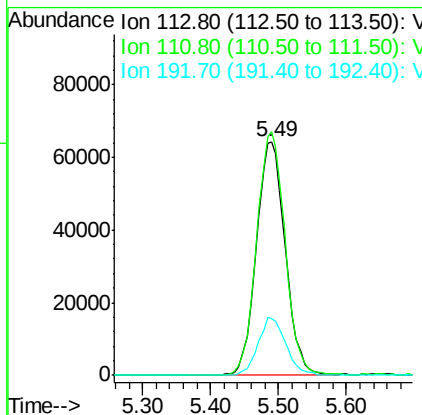
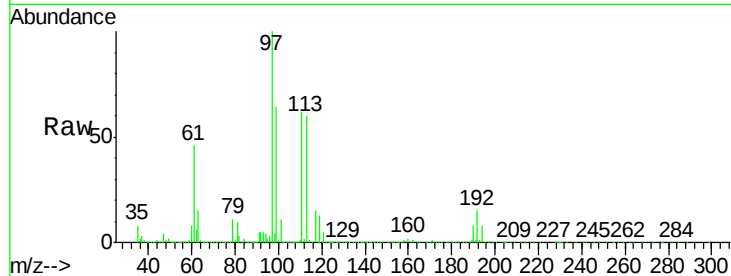
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	190206
Ion Ratio	Lower	Upper	
113	100		
111	102.2	80.7	121.1
192	24.0	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.454 ug/l

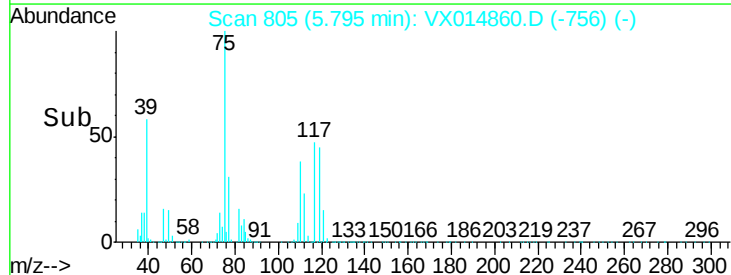
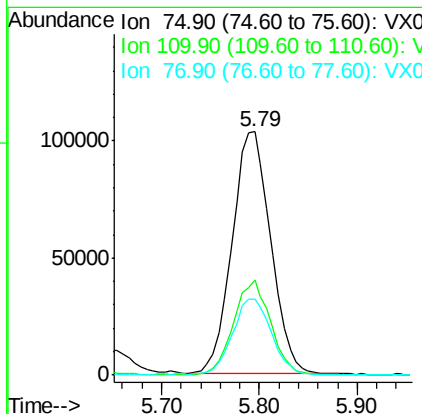
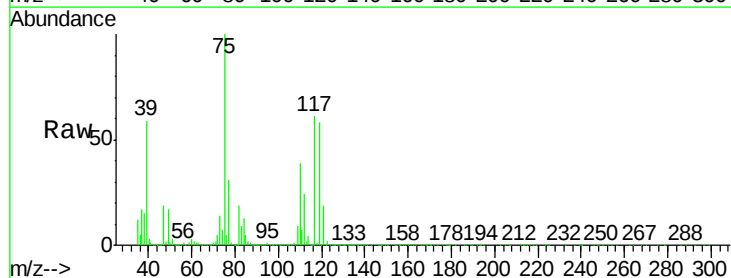
RT: 5.79 min Scan# 805

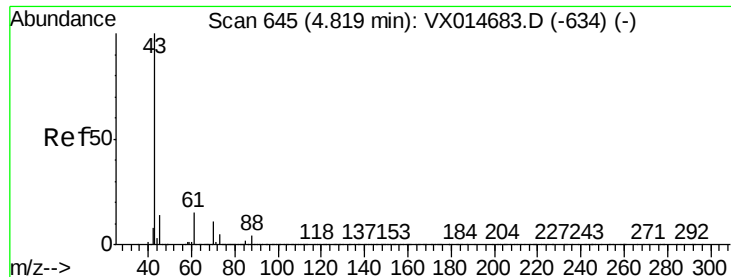
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	75	Resp:	283600
Ion Ratio	Lower	Upper	
75	100		
110	37.7	17.9	53.7
77	31.0	24.1	36.1





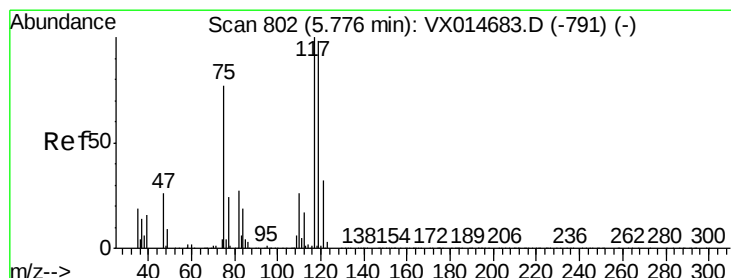
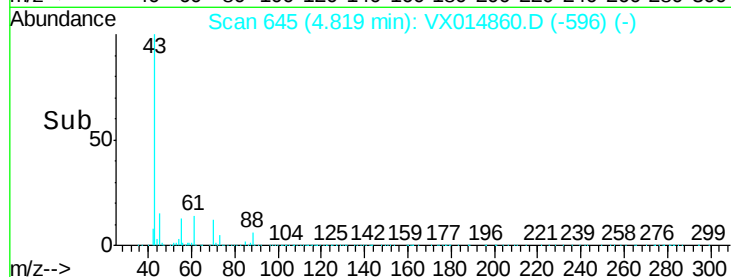
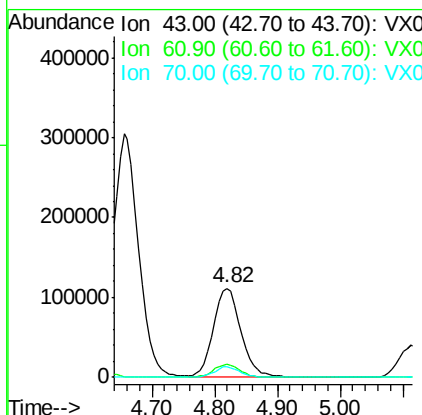
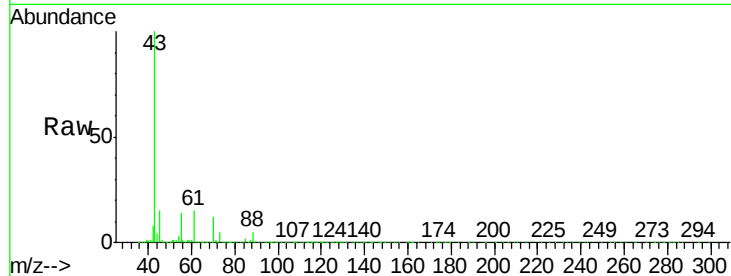
#37
Ethyl Acetate
Concen: 48.143 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.9	8.5	12.7

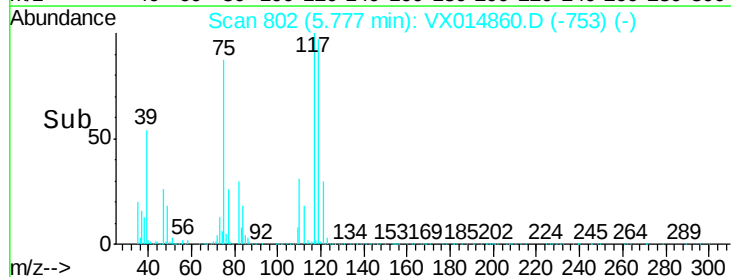
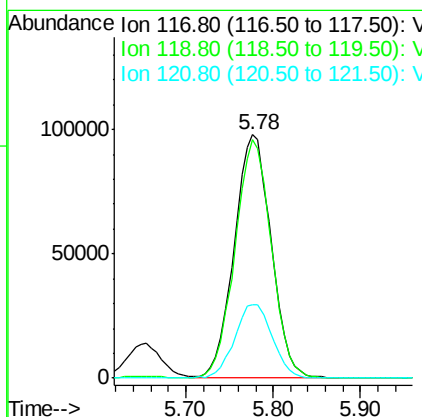
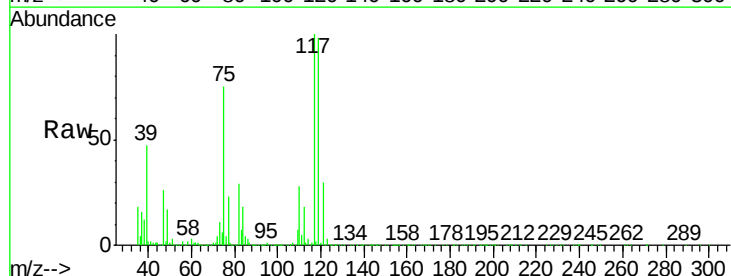
Manual Integrations
APPROVED

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2/7/2020 11:45:00 AM



#38
Carbon Tetrachloride
Concen: 48.941 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.9	116.9
121	30.4	25.4	38.2





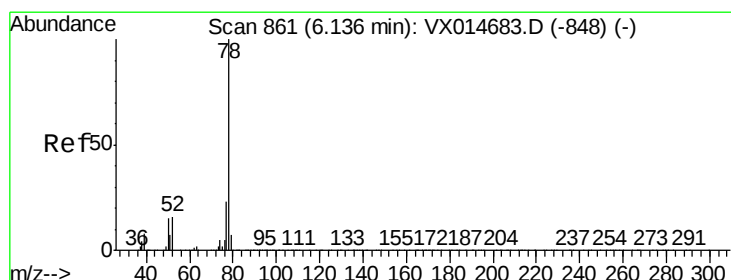
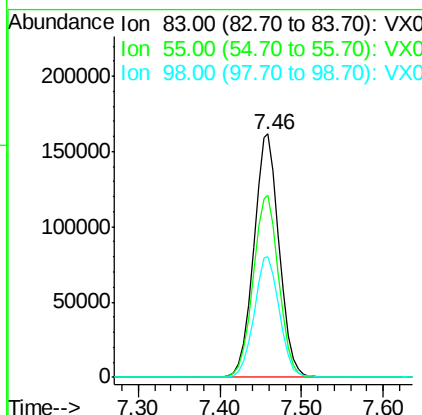
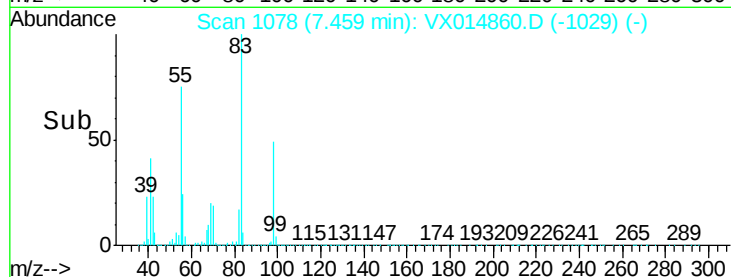
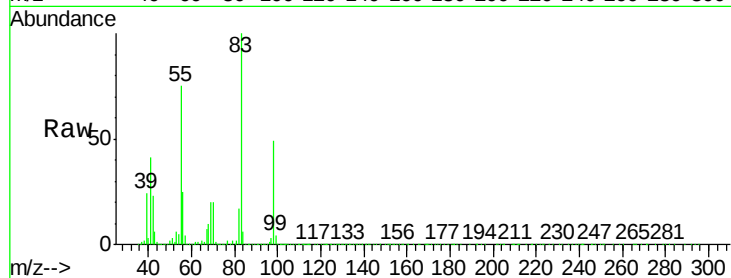
#39
Methvlcvclohexane
Concen: 45.894 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	65.6	98.4
98	49.4	40.2	60.4

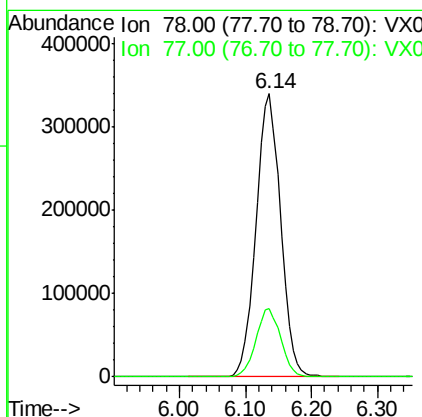
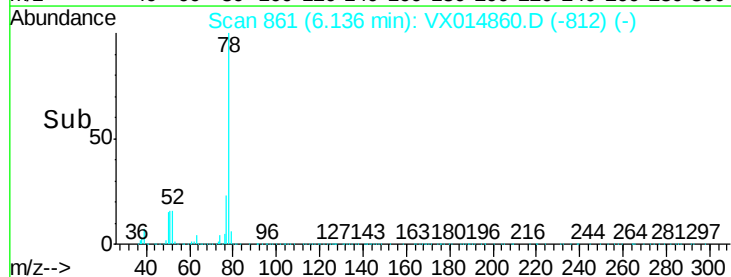
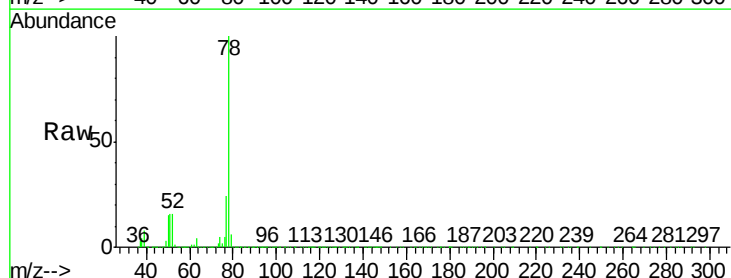
Manual Integrations
APPROVED

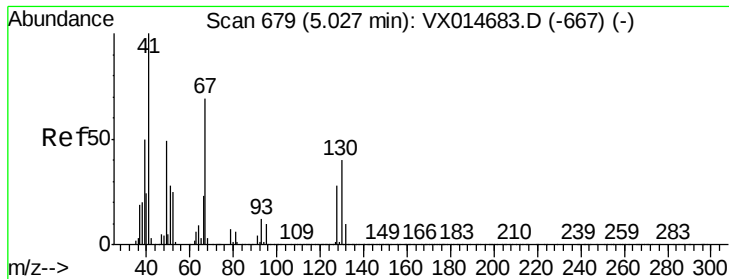
MMDadoda
2/7/2020 11:45:00 AM



#40
Benzene
Concen: 46.737 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





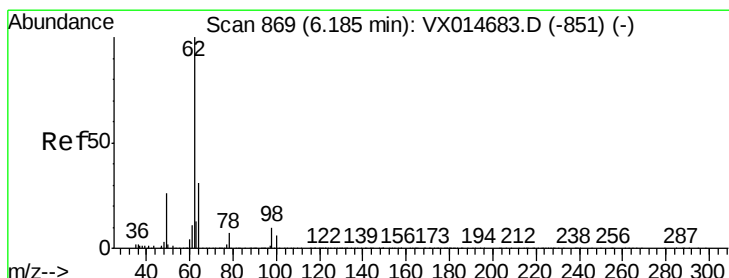
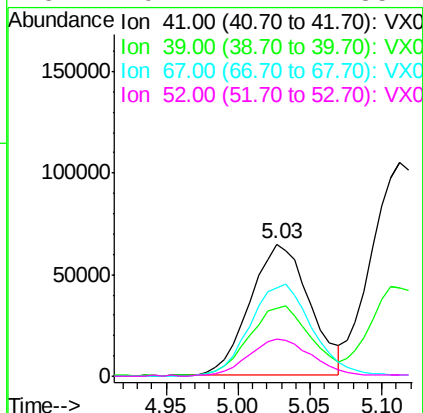
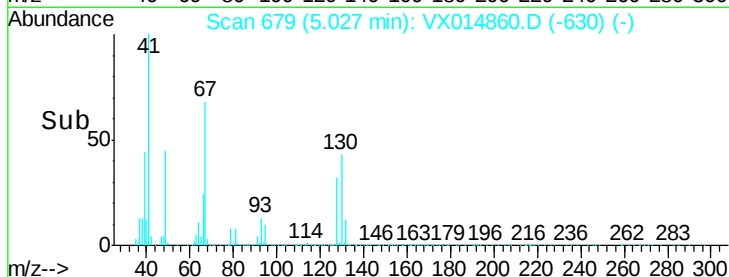
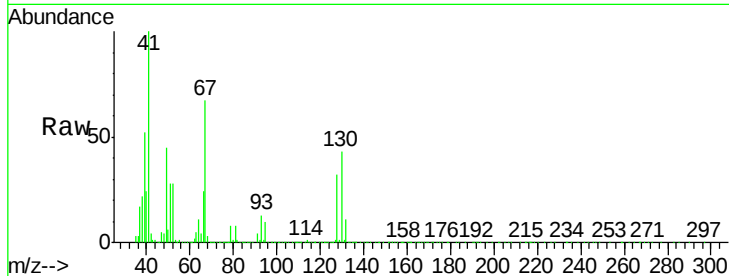
#41
Methacrylonitrile
Concen: 46.880 ug/l
RT: 5.03 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	42.2	63.2	
67	72.6	55.4	83.0	
52	29.4	22.1	33.1	

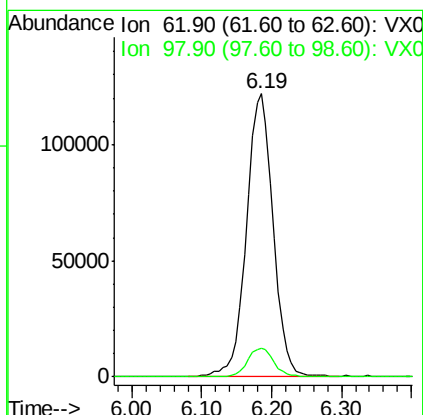
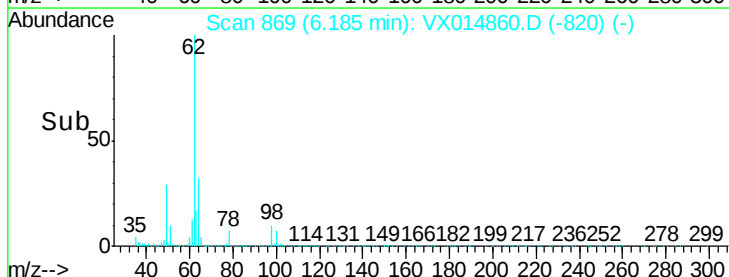
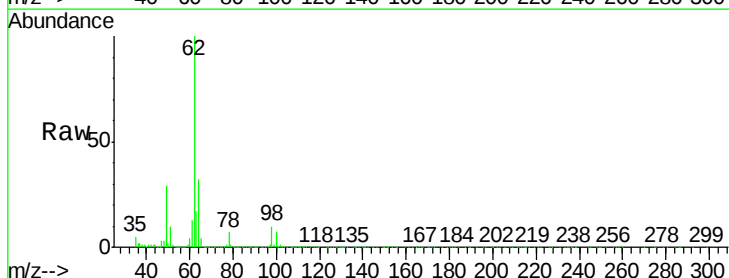
Manual Integrations
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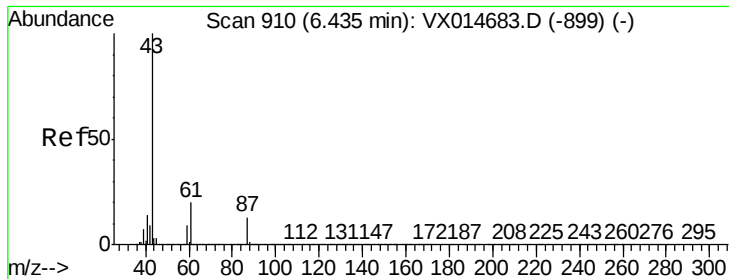
MMDadoda
2/7/2020 11:45:00 AM



#42
1,2-Dichloroethane
Concen: 49.419 ug/l
RT: 6.19 min Scan# 869
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.1	0.0	20.0	





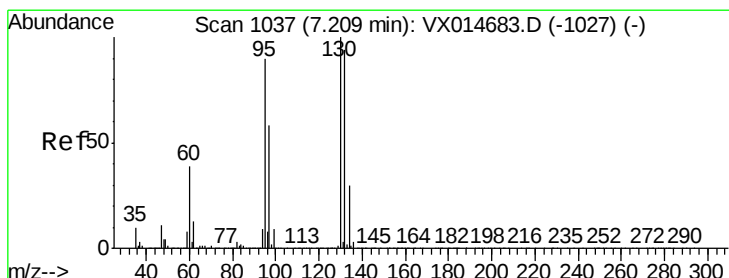
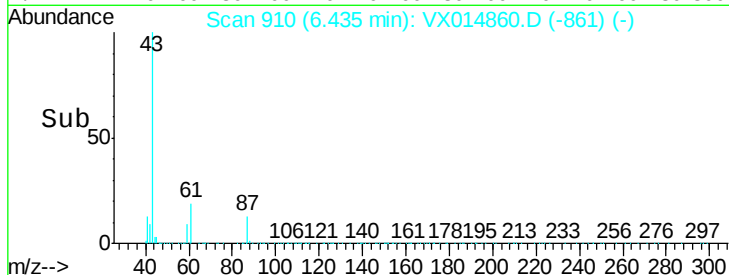
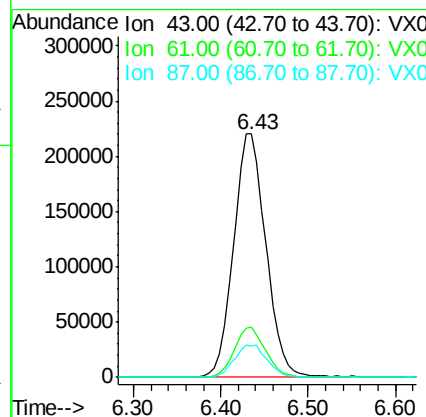
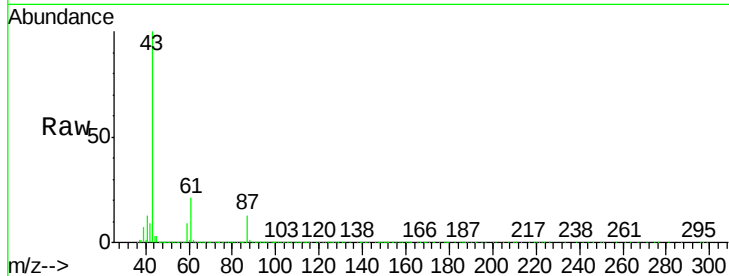
#43
Isopropyl Acetate
Concen: 49.149 ug/l
RT: 6.43 min Scan# 910
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.2	24.4
87	13.4	10.5	15.7

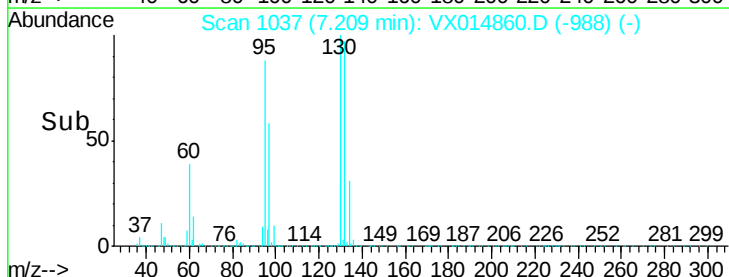
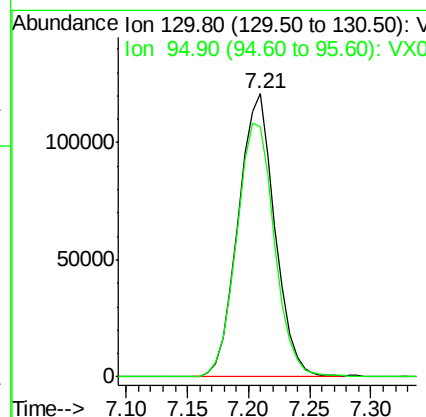
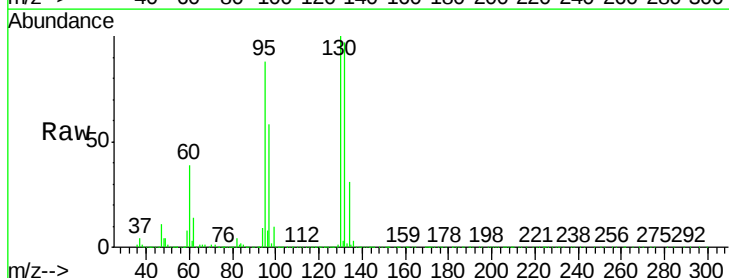
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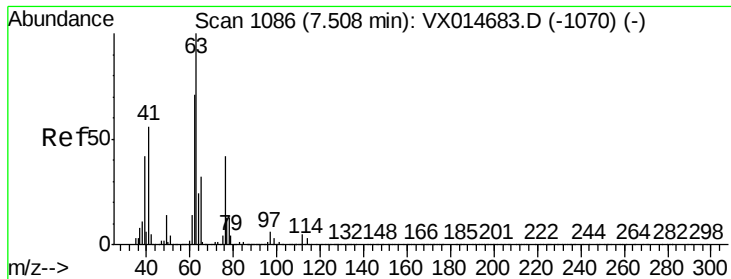
MMDadoda
2/7/2020 11:45:00 AM



#44
Trichloroethene
Concen: 46.962 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.1	0.0	179.8





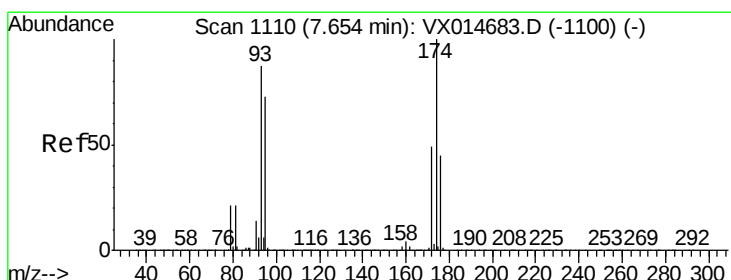
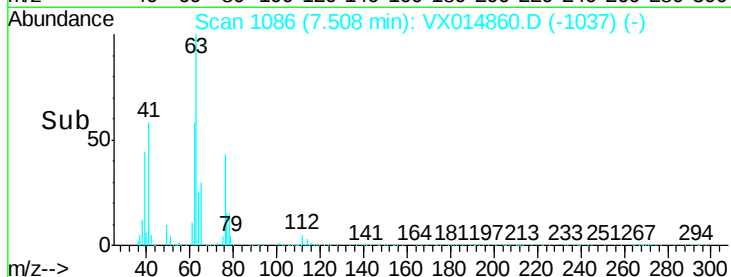
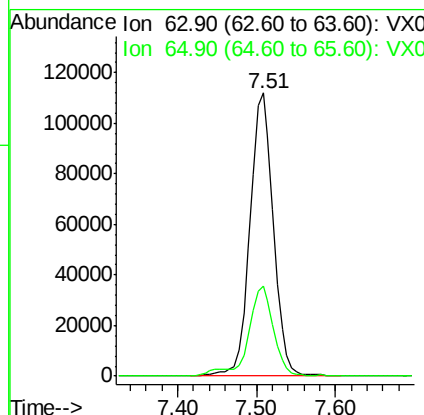
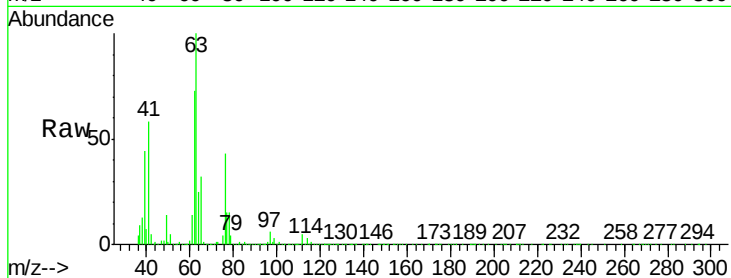
#45
 1,2-Dichloropropane
 Concen: 47.091 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.2	37.8

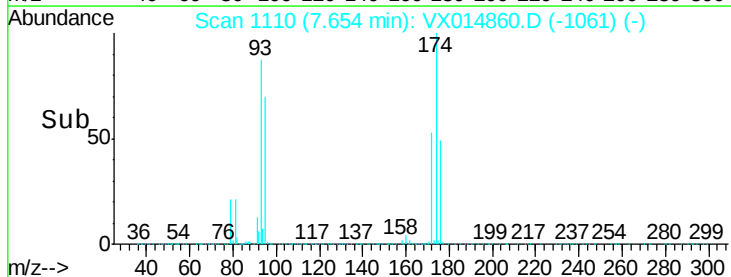
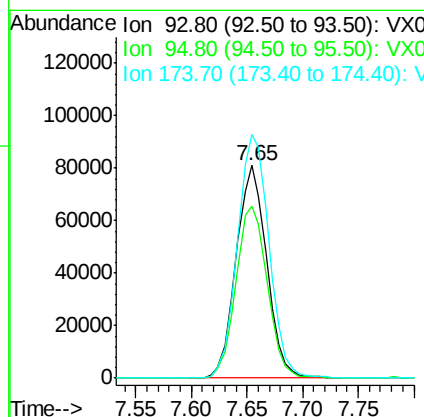
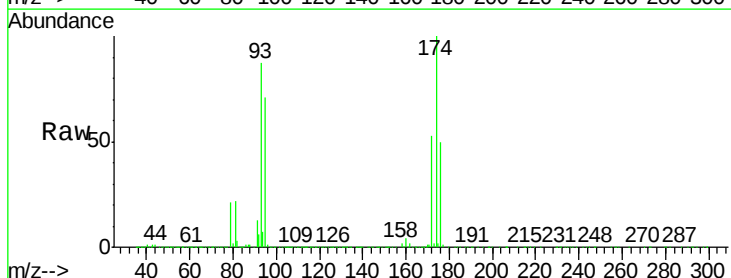
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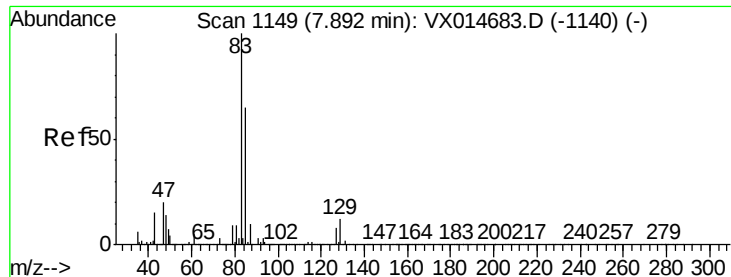
MMDadoda
 2/7/2020 11:45:00 AM



#46
 Dibromomethane
 Concen: 48.926 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.0	100.4
174	119.0	90.2	135.2





#47

Bromodichloromethane

Concen: 49.881 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

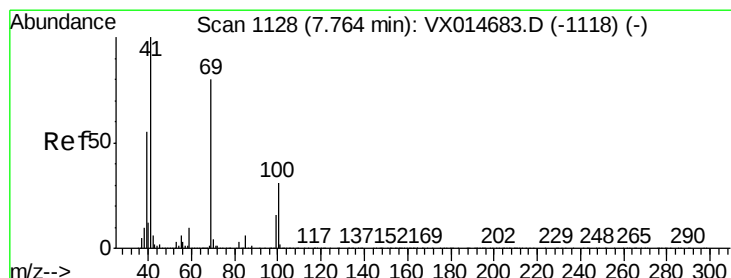
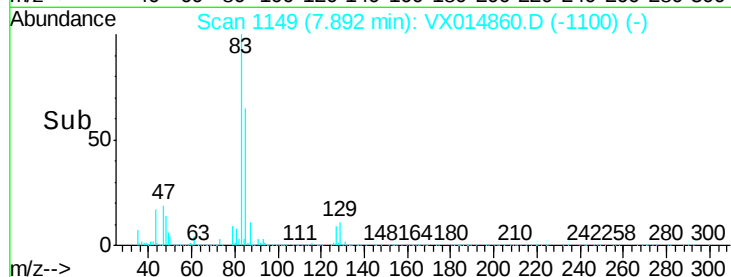
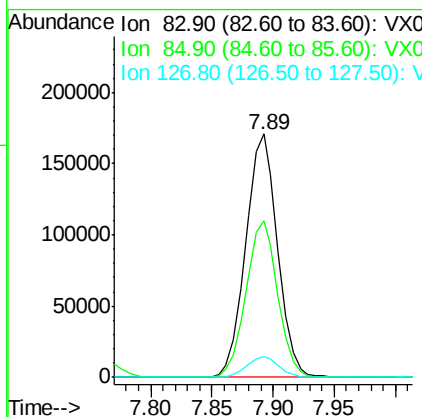
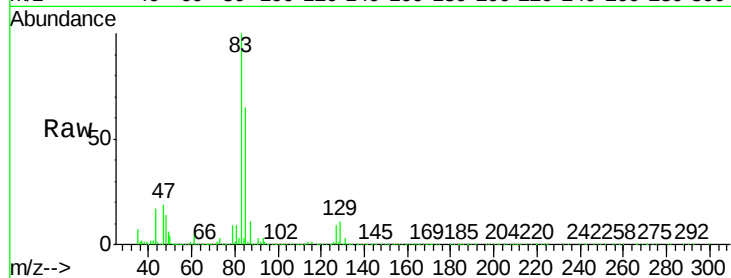
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	307915
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.2
127	8.7	6.4	9.6

Manual Integrations
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MMDadoda
2/7/2020 11:45:00 AM



#48

Methyl methacrylate

Concen: 50.459 ug/l

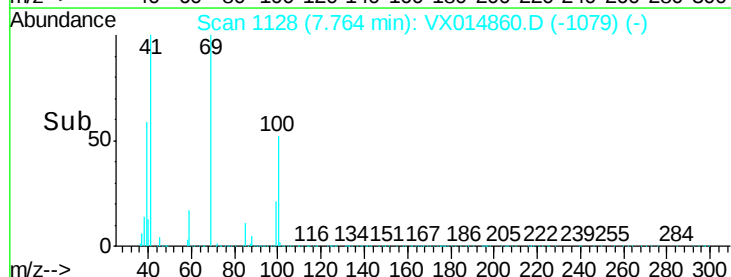
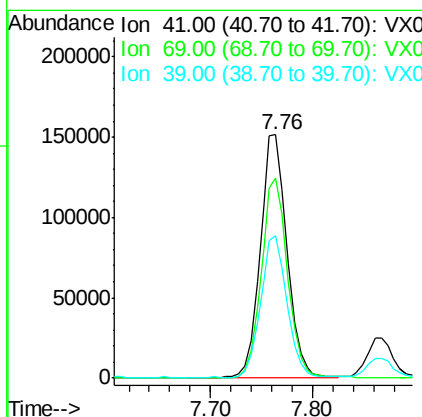
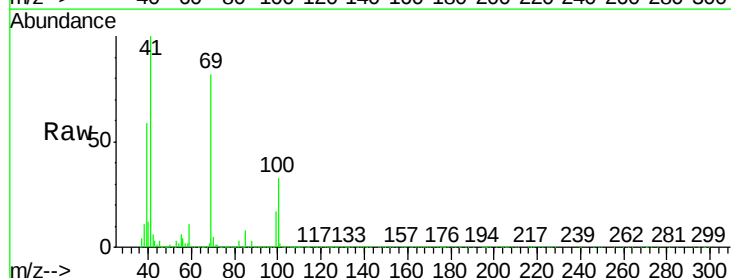
RT: 7.76 min Scan# 1128

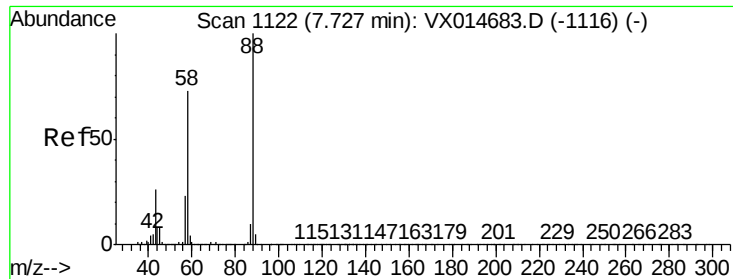
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	41	Resp:	276056
Ion	Ratio	Lower	Upper
41	100		
69	80.7	63.5	95.3
39	57.4	43.7	65.5





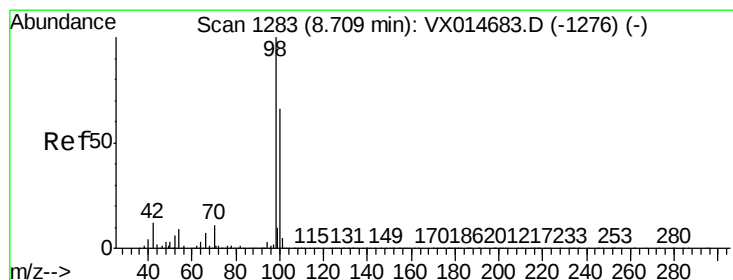
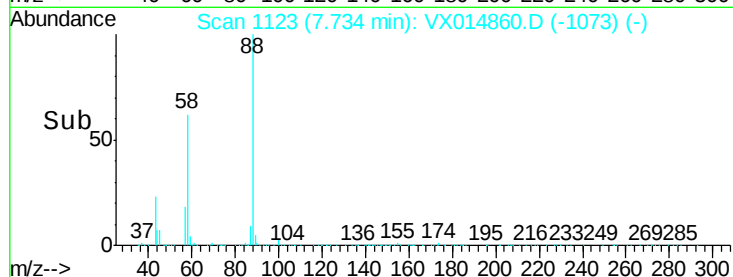
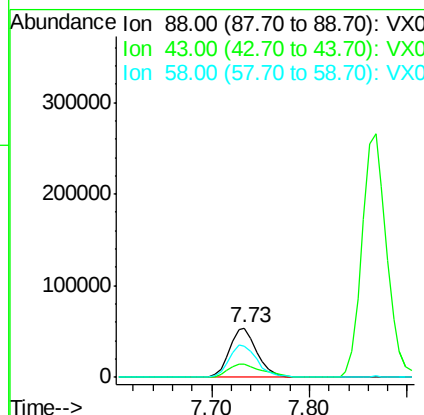
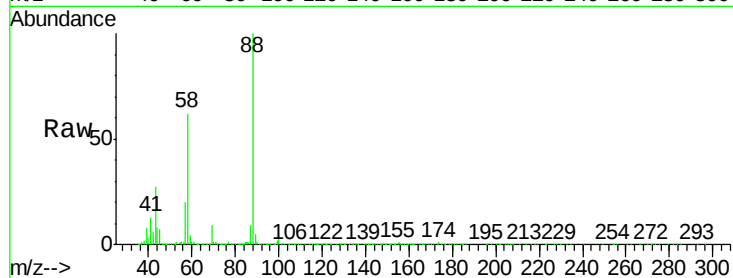
#49
1,4-Dioxane
Concen: 888.321 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	26.2	39.2
58	67.1	56.6	85.0

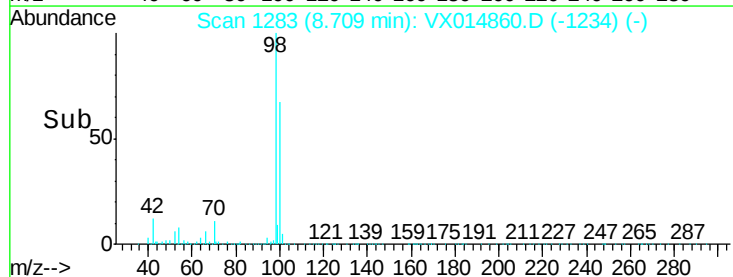
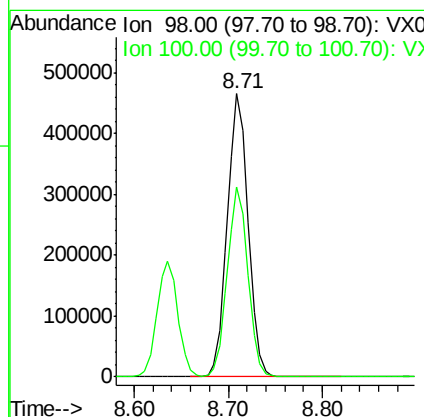
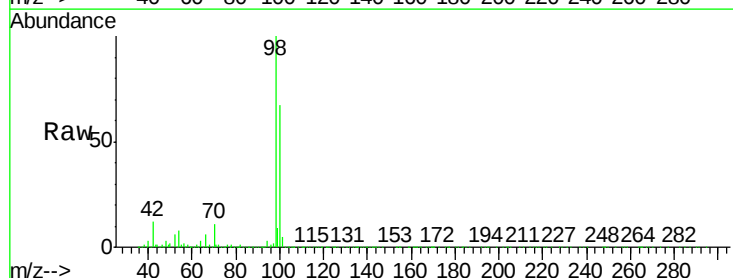
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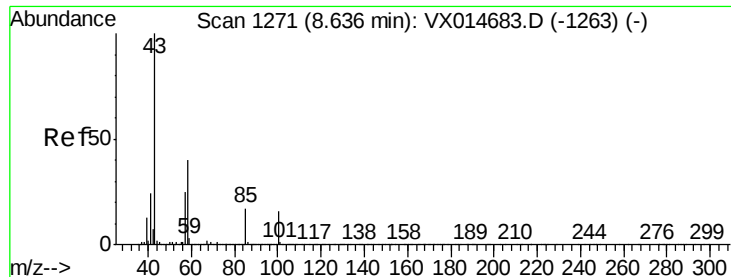
MMDadoda
2/7/2020 11:45:00 AM



#50
Toluene-d8
Concen: 44.669 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.6





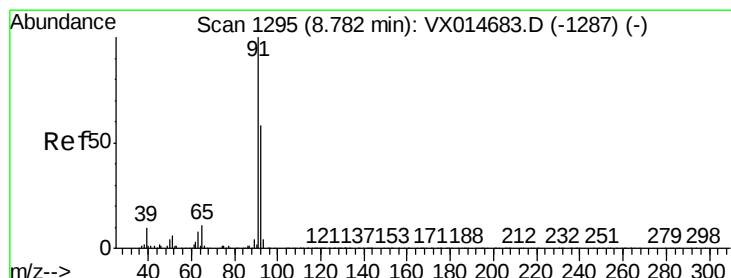
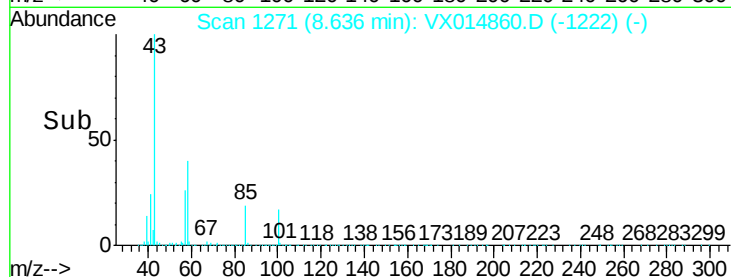
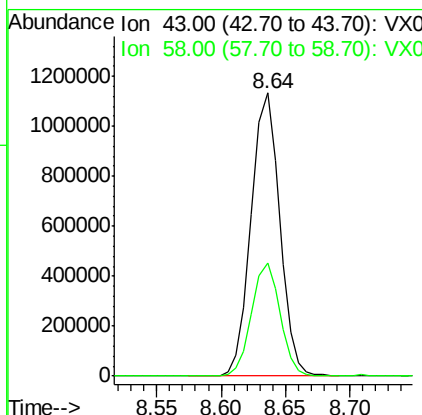
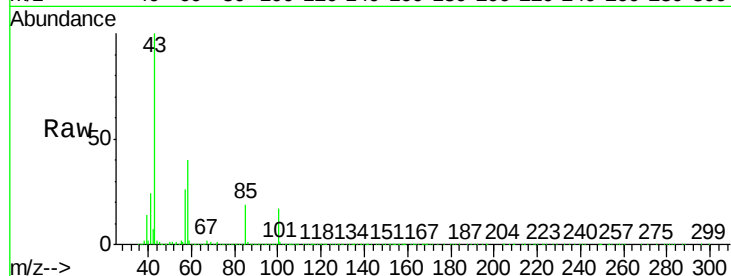
#51
4-Methyl-2-Pentanone
Concen: 240.026 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1734622
Ion Ratio Lower Upper
43 100
58 39.6 31.6 47.4

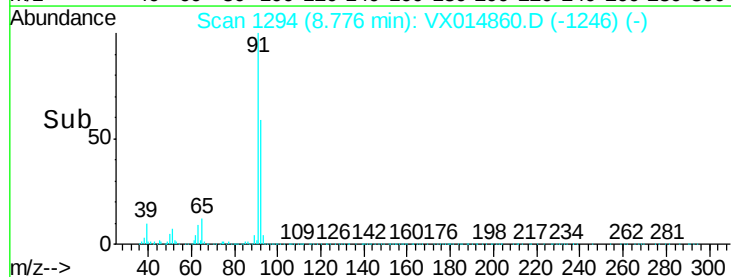
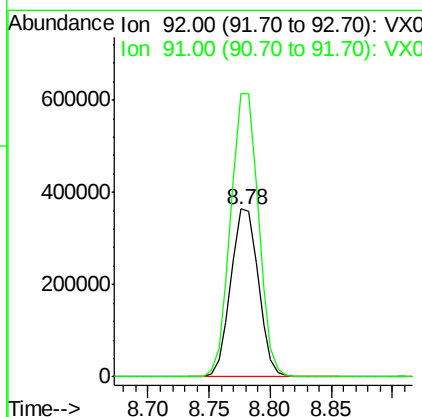
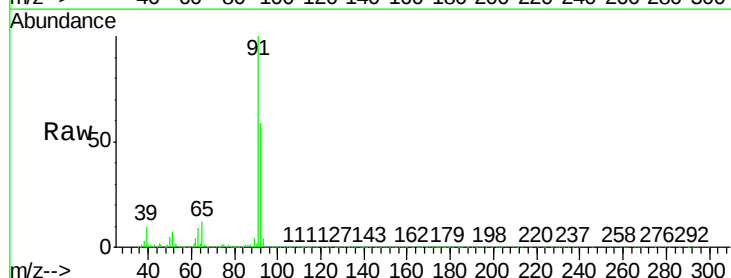
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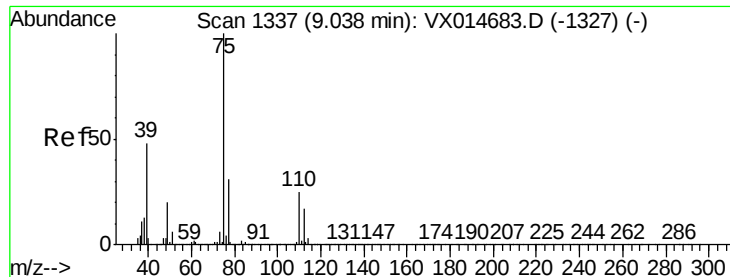
MMDadoda
2/7/2020 11:45:00 AM



#52
Toluene
Concen: 48.803 ug/l
RT: 8.78 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion: 92 Resp: 565892
Ion Ratio Lower Upper
92 100
91 170.8 135.9 203.9





#53

t-1,3-Dichloropropene

Concen: 52.047 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 345947

Ion Ratio Lower Upper

75 100

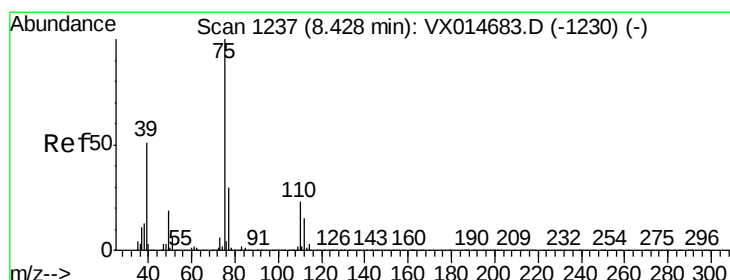
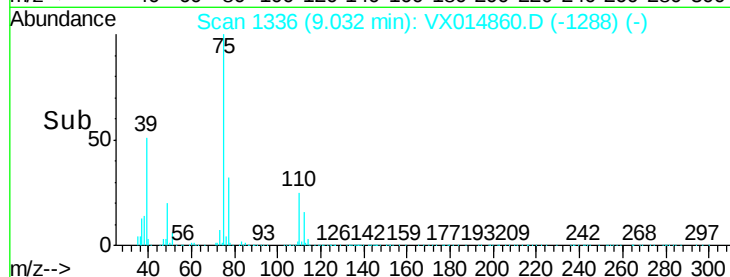
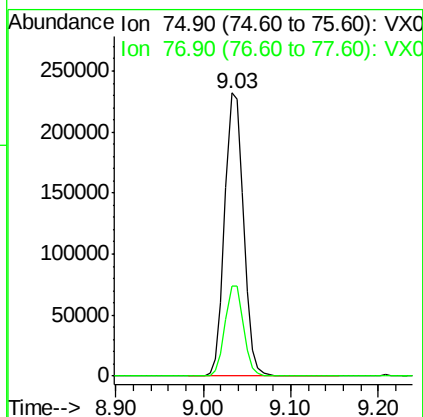
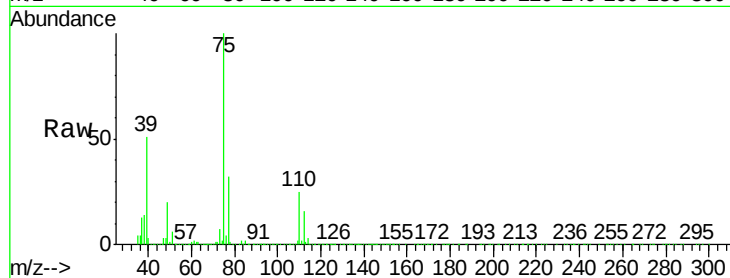
77 31.9 24.9 37.3

Manual Integrations

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MMDadoda

2/7/2020 11:45:00 AM



#54

cis-1,3-Dichloropropene

Concen: 51.402 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

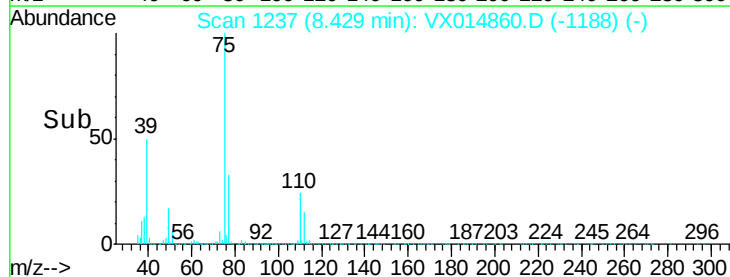
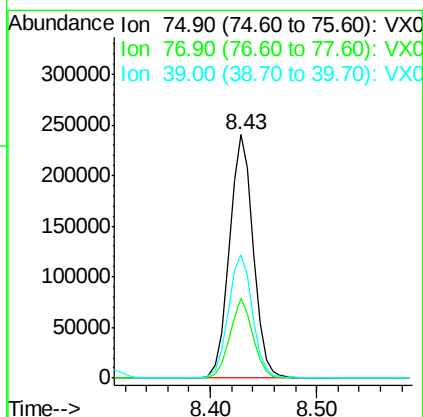
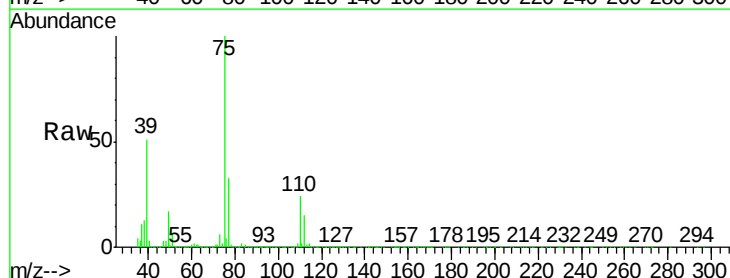
Tgt Ion: 75 Resp: 375857

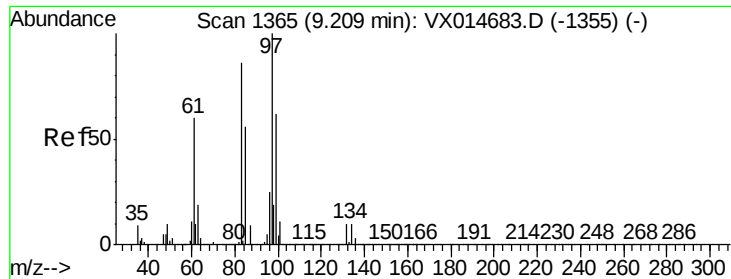
Ion Ratio Lower Upper

75 100

77 32.6 23.9 35.9

39 50.3 40.9 61.3





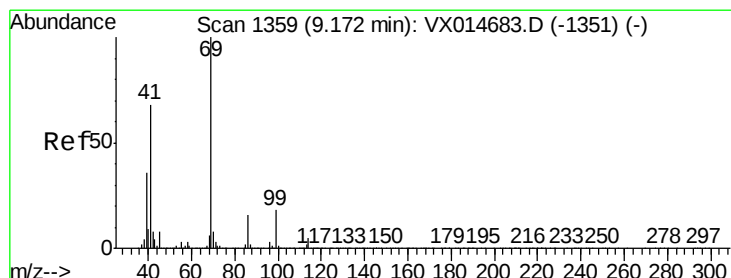
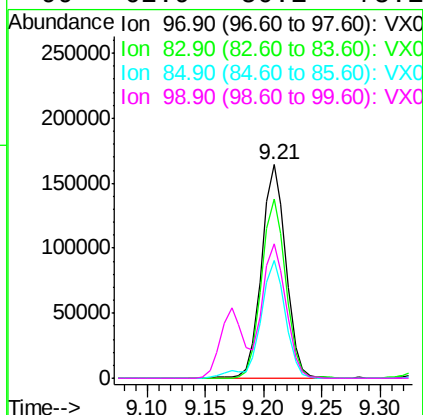
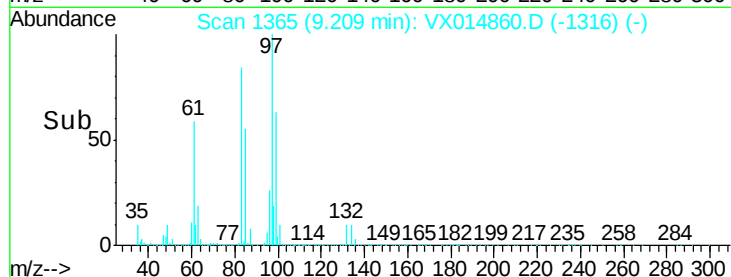
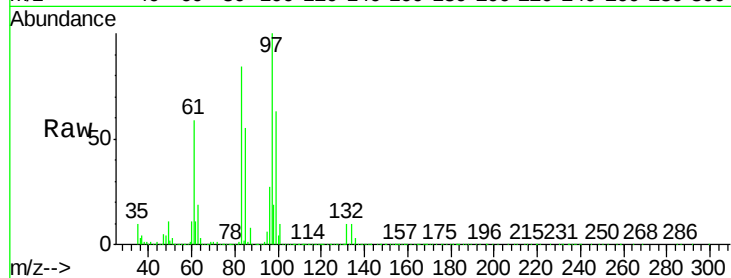
#55
 1,1,2-Trichloroethane
 Concen: 49.974 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		237248		
83	83.7	69.2	103.8		
85	55.3	44.6	67.0		
99	62.9	50.1	75.1		

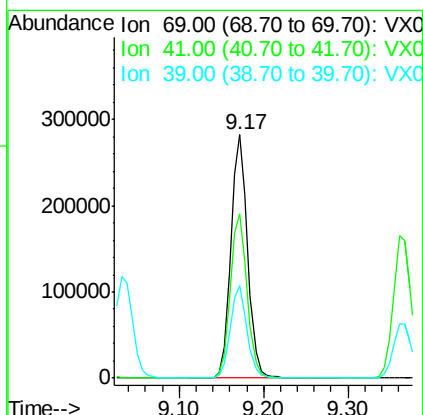
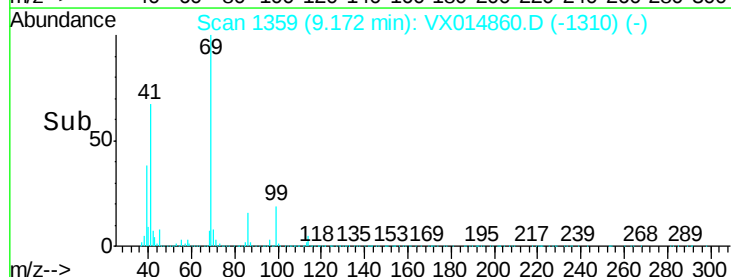
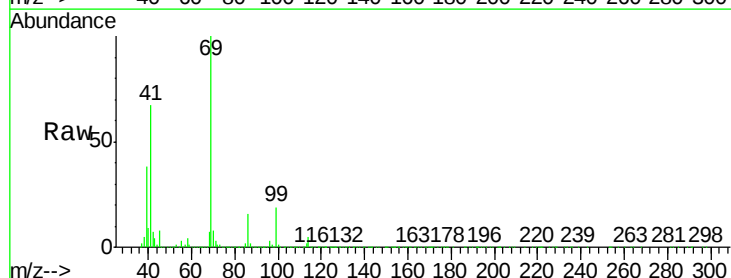
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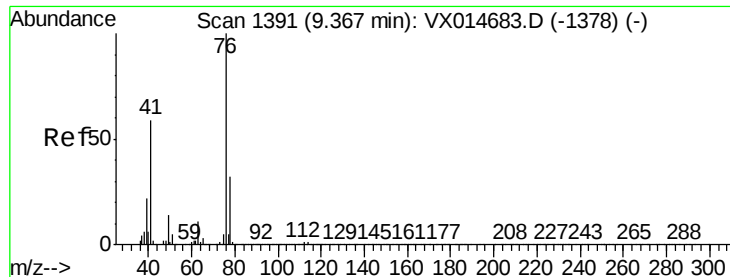
MMDadoda
 2/7/2020 11:45:00 AM



#56
 Ethyl methacrylate
 Concen: 47.523 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		381745		
41	67.6	54.9	82.3		
39	37.6	29.3	43.9		





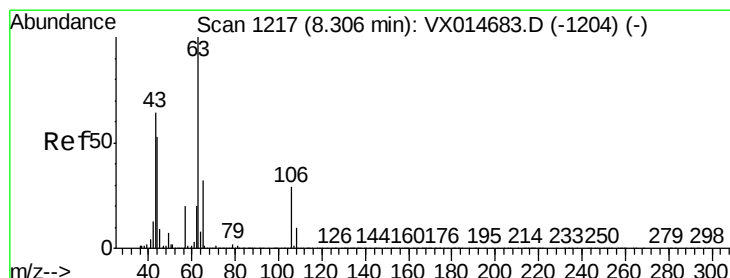
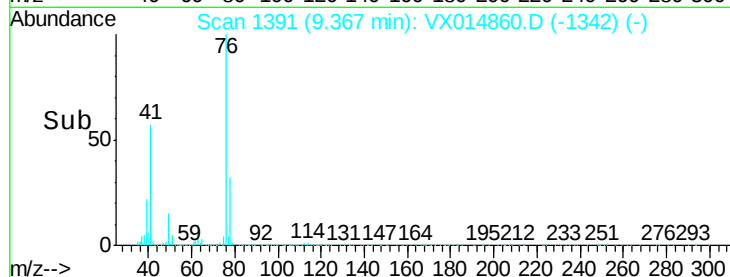
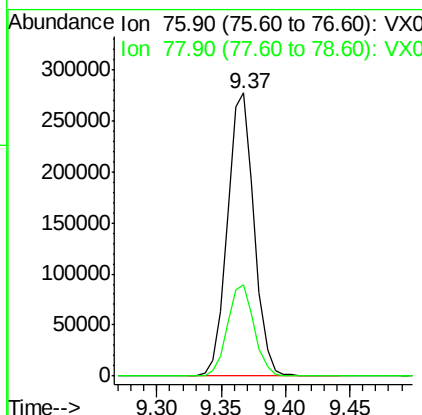
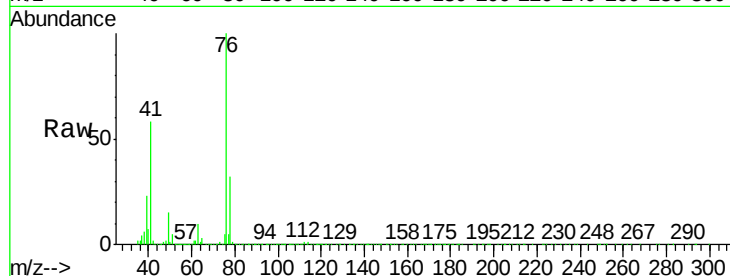
#57
 1,3-Dichloropropane
 Concen: 49.298 ug/l
 RT: 9.37 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.0	39.0

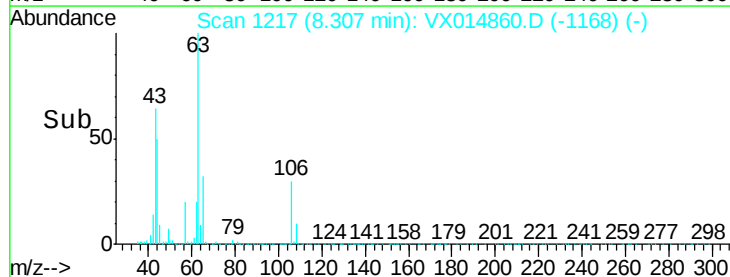
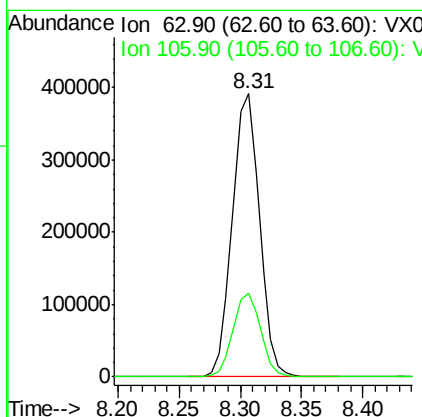
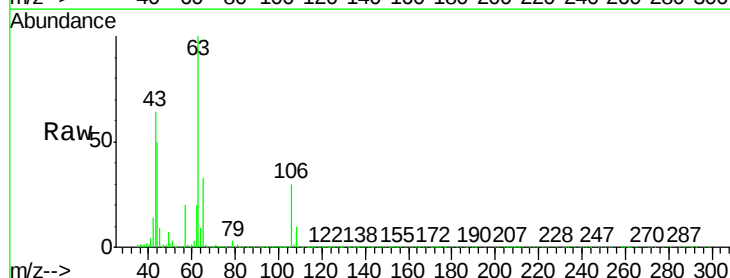
Manual Integrations
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MMDadoda
 2/7/2020 11:45:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.996 ug/l
 RT: 8.31 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1





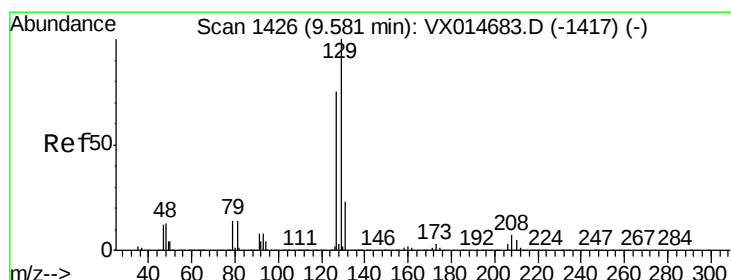
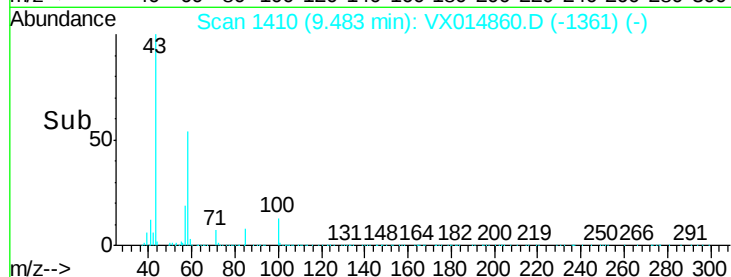
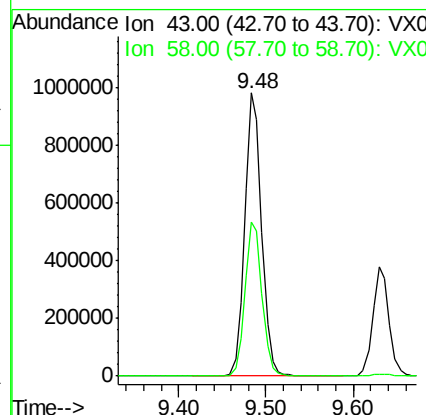
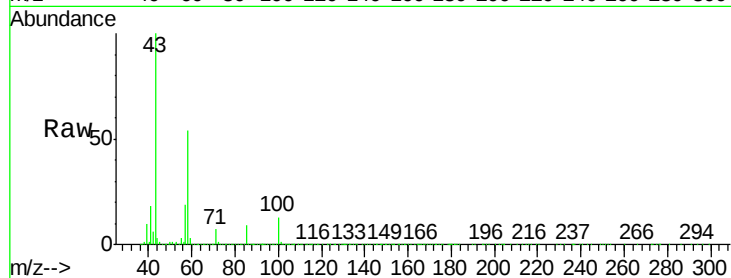
#59
2-Hexanone
Concen: 235.963 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1323256
Ion Ratio Lower Upper
43 100
58 55.1 27.2 81.5

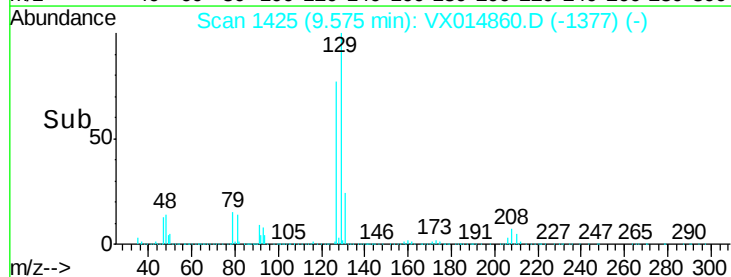
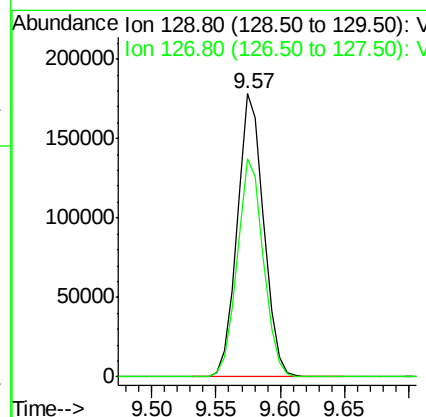
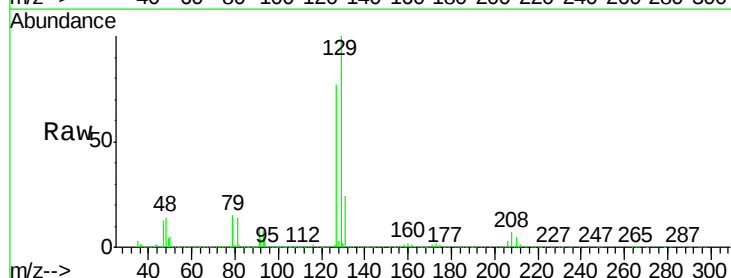
Manual Integrations
APPROVED

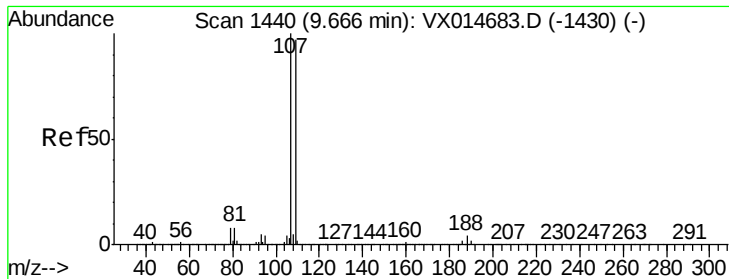
MMDadoda
2/7/2020 11:45:00 AM



#60
Dibromochloromethane
Concen: 51.439 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion: 129 Resp: 254893
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.861 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 250275

Ion Ratio Lower Upper

107 100

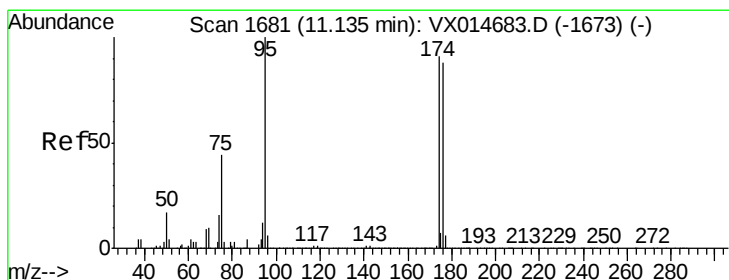
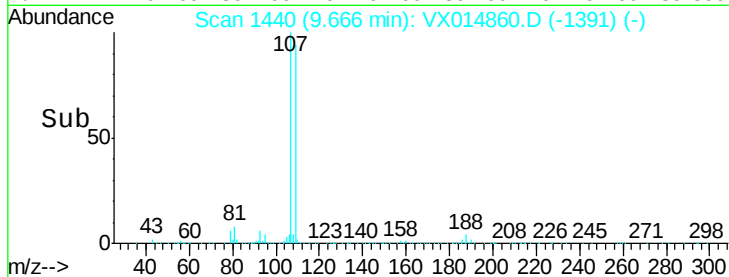
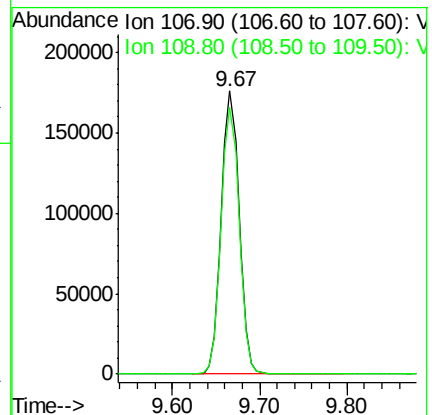
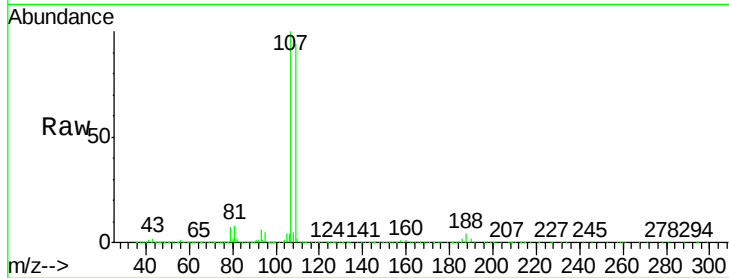
109 94.9 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

2/7/2020 11:45:00 AM



#62

4-Bromofluorobenzene

Concen: 45.917 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

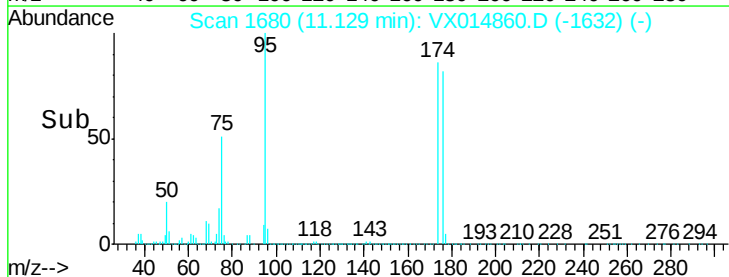
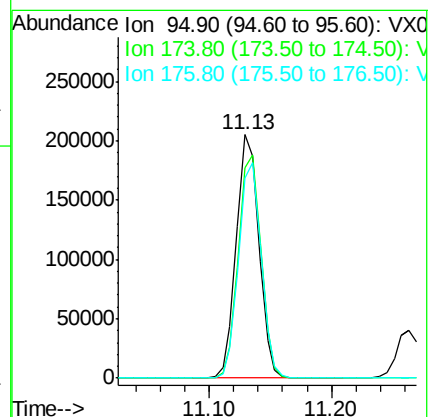
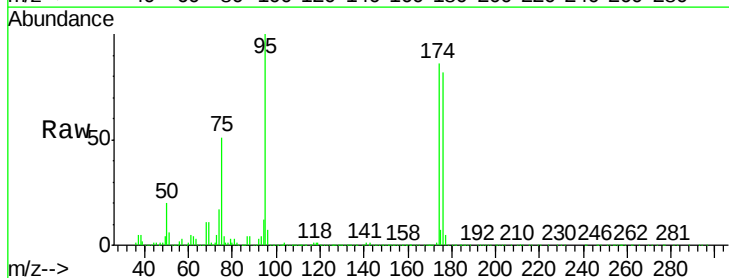
Tgt Ion: 95 Resp: 260695

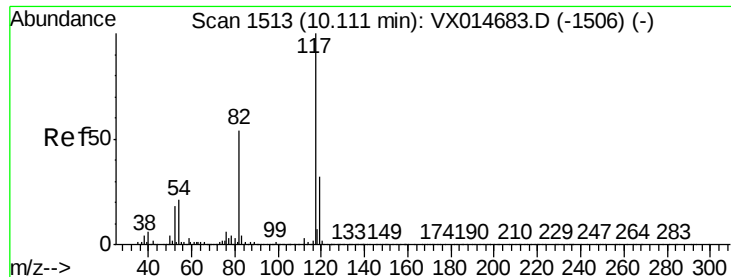
Ion Ratio Lower Upper

95 100

174 92.3 0.0 176.0

176 88.7 0.0 172.2





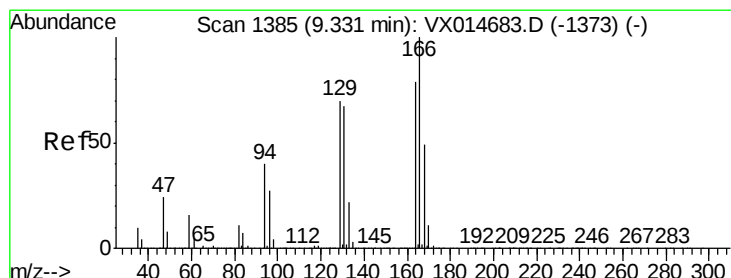
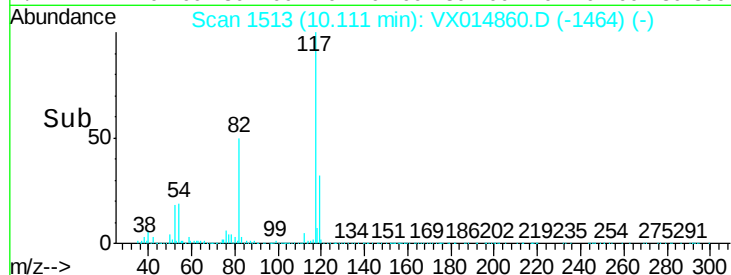
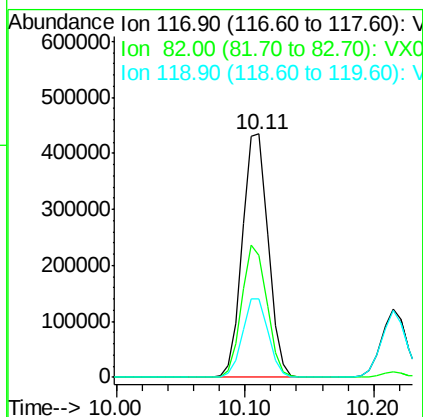
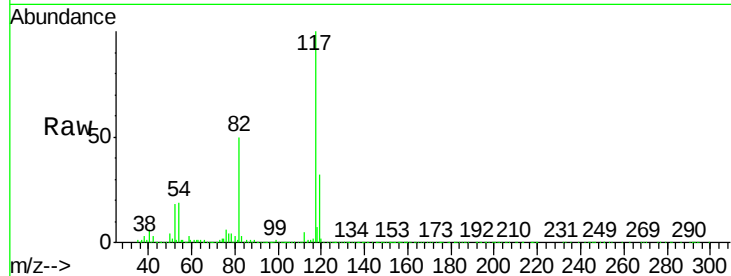
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.2	64.8
119	32.1	25.8	38.6

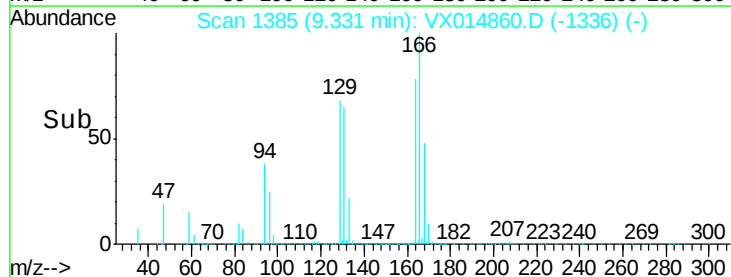
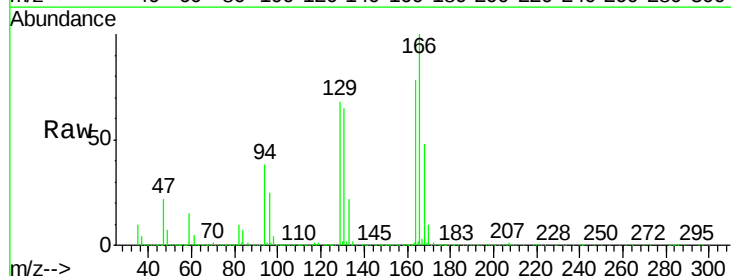
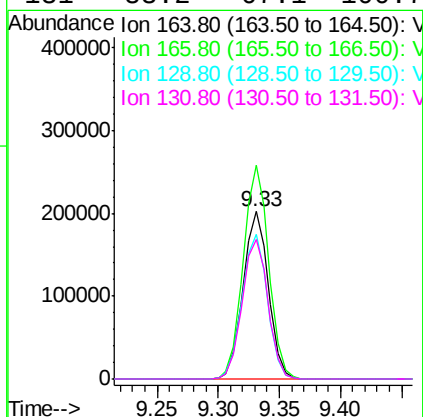
Manual Integrations
APPROVED

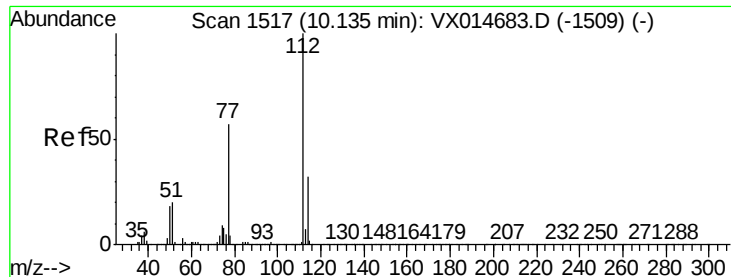
MMDadoda
2/7/2020 11:45:00 AM



#64
Tetrachloroethene
Concen: 48.898 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	100.9	151.3
129	86.3	71.0	106.6
131	83.2	67.1	100.7





#65

Chlorobenzene

Concen: 48.915 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 627119

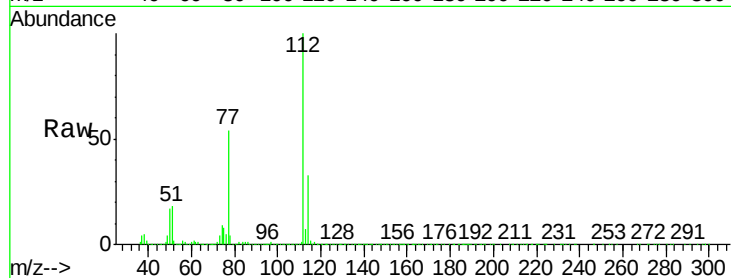
Ion Ratio Lower Upper

112 100

114 32.6 25.8 38.8

Manual Integrations
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2/7/2020 11:45:00 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

400000

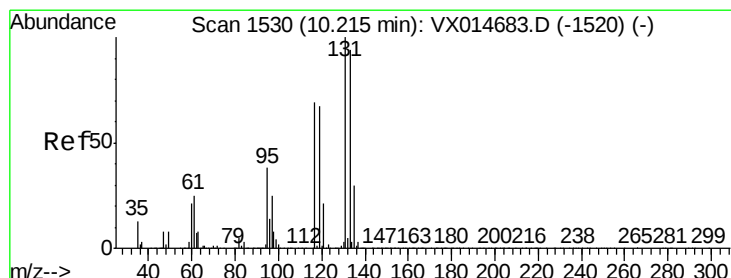
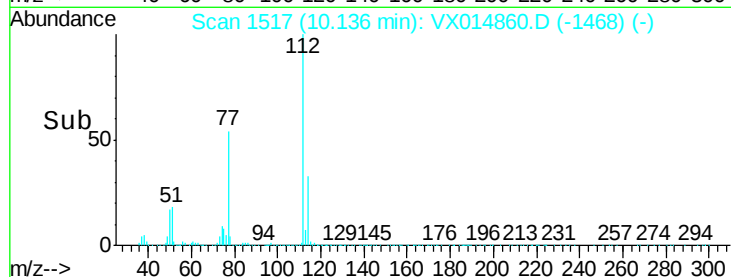
300000

200000

100000

0

Time--> 10.00 10.10 10.20 10.30



#66

1,1,1,2-Tetrachloroethane

Concen: 50.924 ug/l

RT: 10.21 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

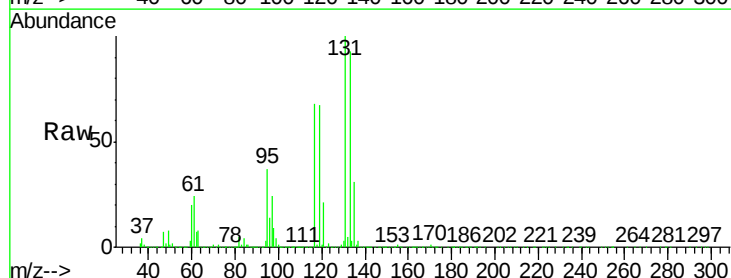
Tgt Ion:131 Resp: 240722

Ion Ratio Lower Upper

131 100

133 93.6 47.4 142.3

119 65.0 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

10.21

200000

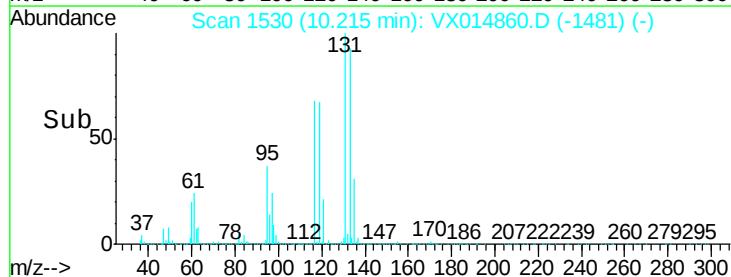
150000

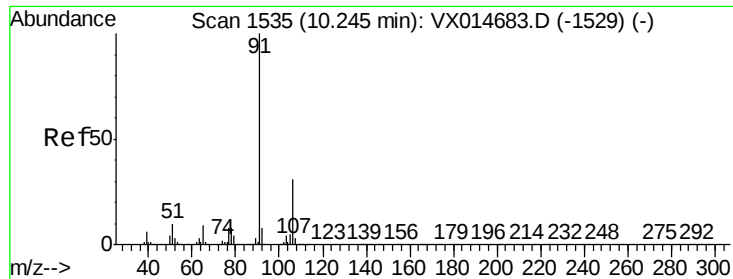
100000

50000

0

Time--> 10.10 10.20





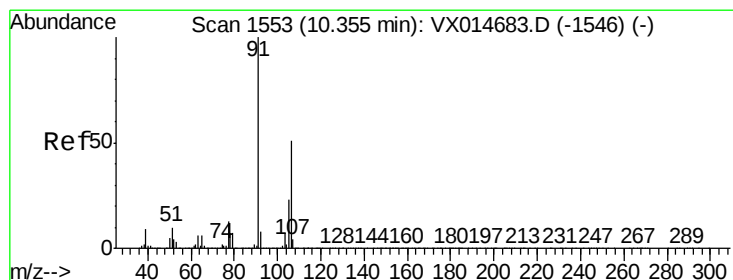
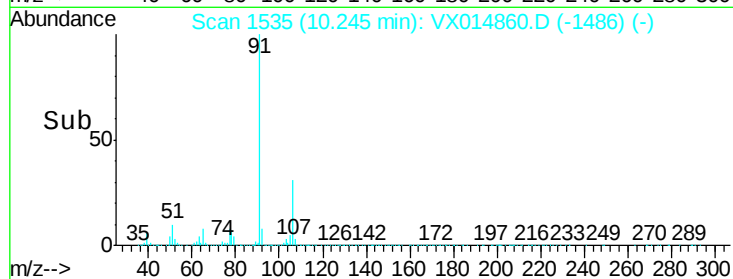
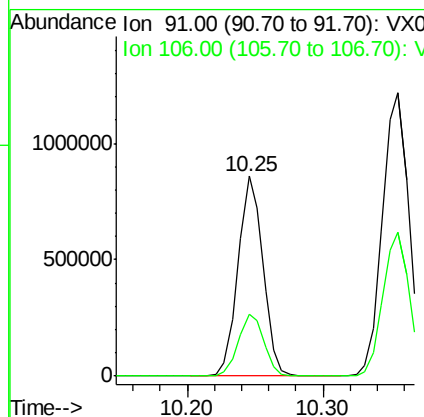
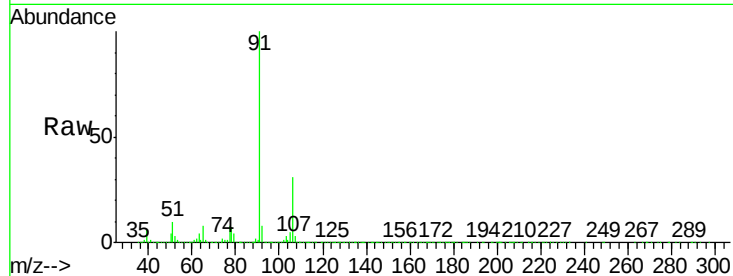
#67
Ethyl Benzene
Concen: 50.104 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1096835
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

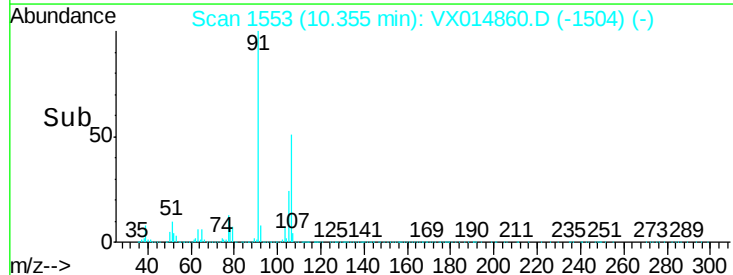
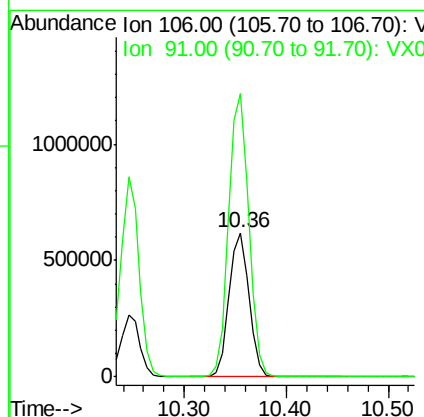
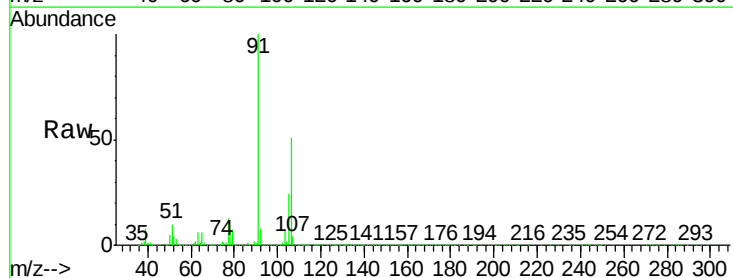
Manual Integrations
APPROVED

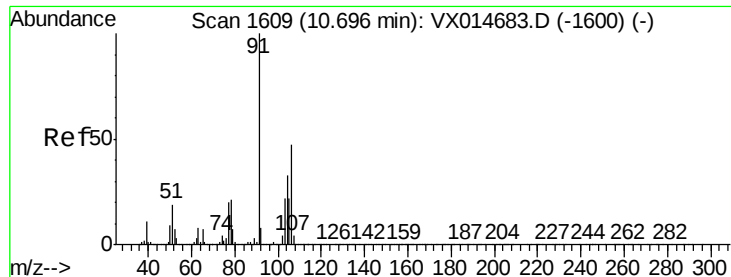
MMDadoda
2/7/2020 11:45:00 AM



#68
m/p-Xylenes
Concen: 100.507 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion: 106 Resp: 833544
Ion Ratio Lower Upper
106 100
91 198.1 159.4 239.2





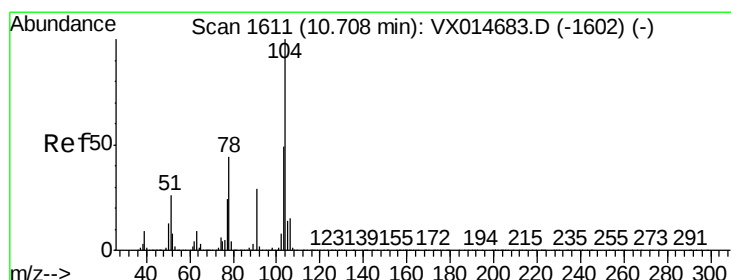
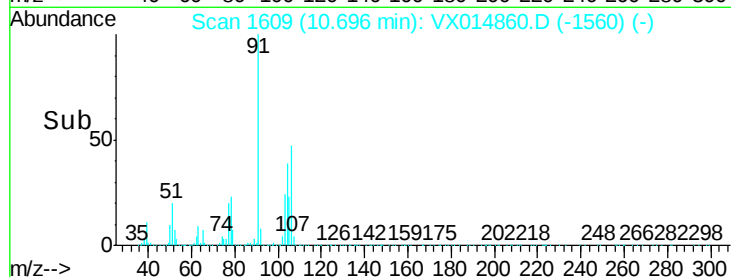
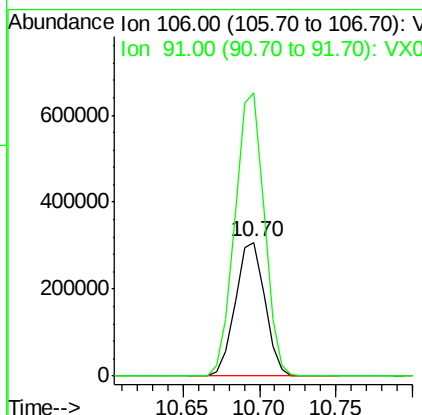
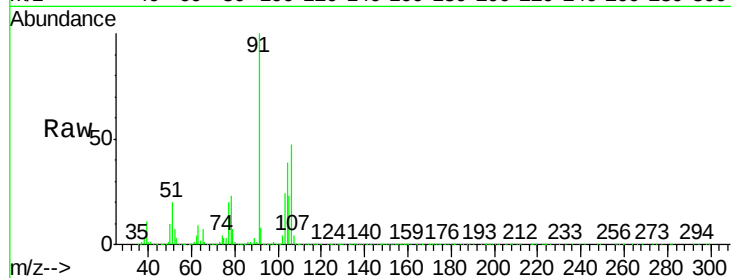
#69
o-Xylene
Concen: 51.257 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.0	106.2	318.6

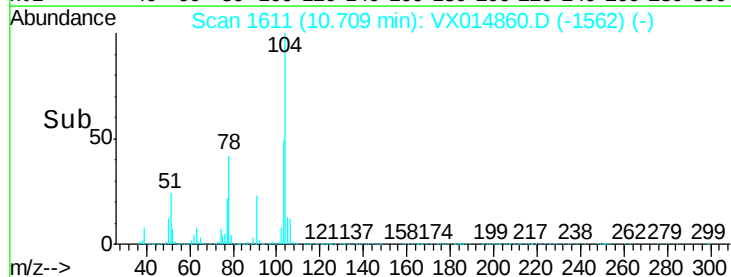
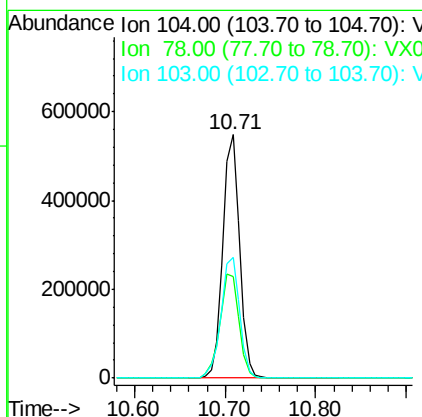
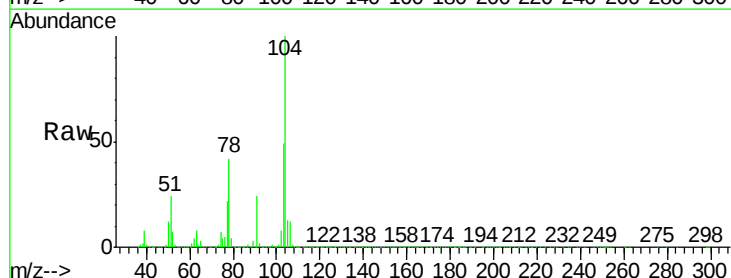
Manual Integrations
APPROVED

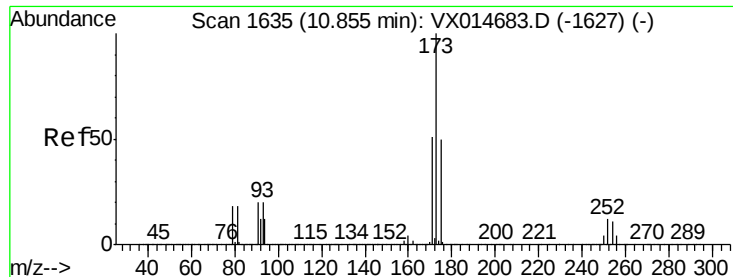
MMDadoda
2/7/2020 11:45:00 AM



#70
Styrene
Concen: 52.672 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	55.0	43.5	65.3





#71

Bromoform

Concen: 53.101 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

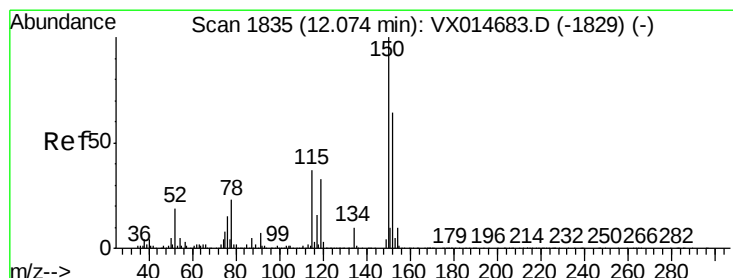
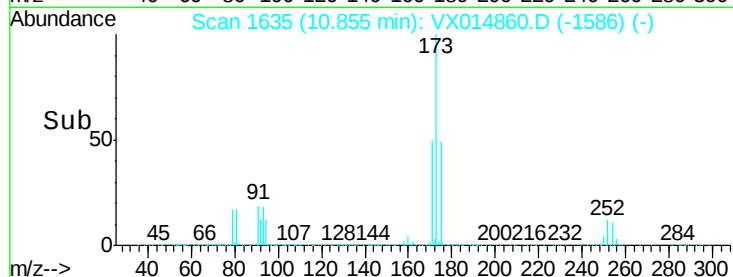
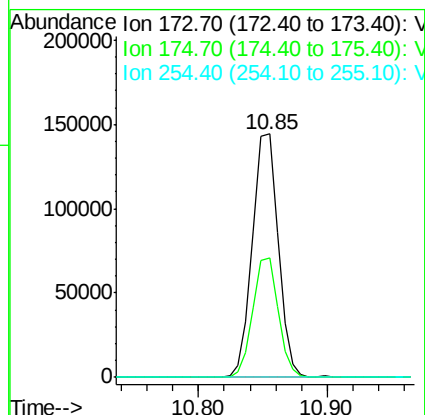
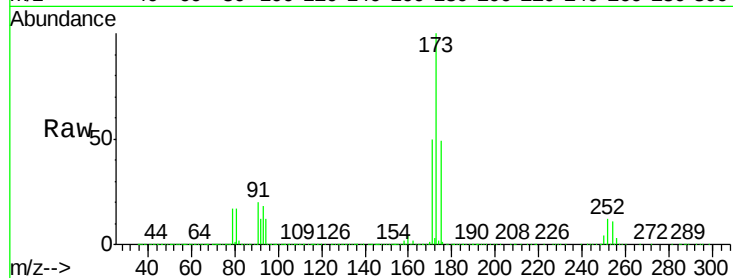
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	199616
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.6	73.6
254	0.3	0.1	0.1#

Manual Integrations
APPROVED

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2/7/2020 11:45:00 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

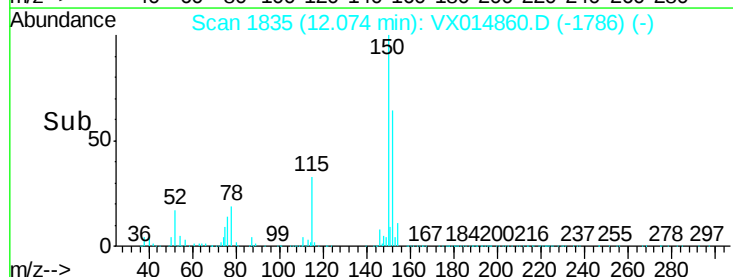
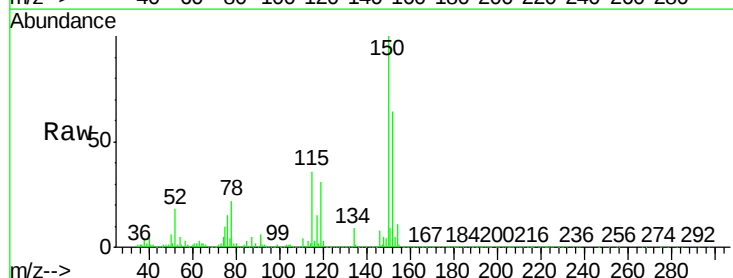
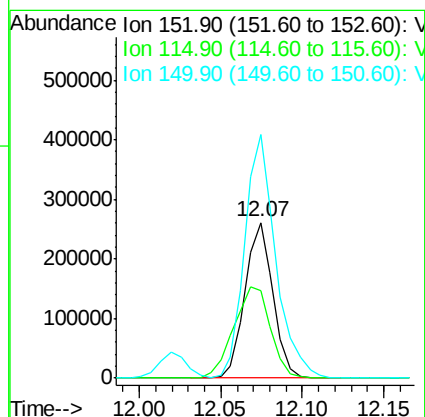
RT: 12.07 min Scan# 1835

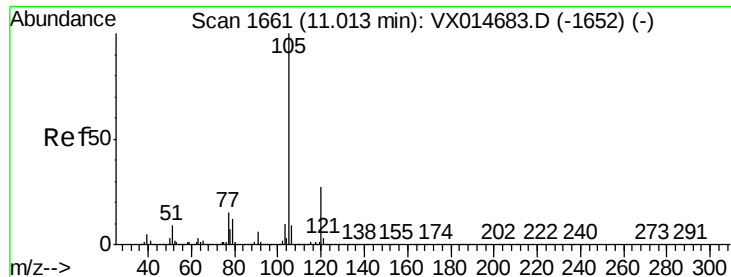
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	152	Resp:	310885
Ion Ratio	Lower	Upper	
152	100		
115	76.8	39.4	118.1
150	174.1	0.0	351.2





#73

Isopropylbenzene

Concen: 49.635 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1084986

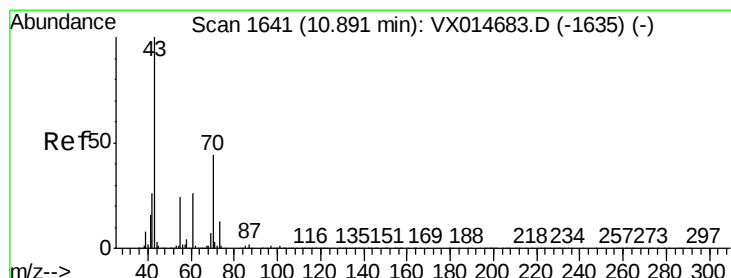
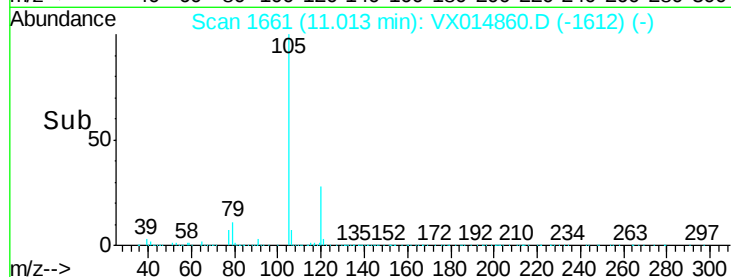
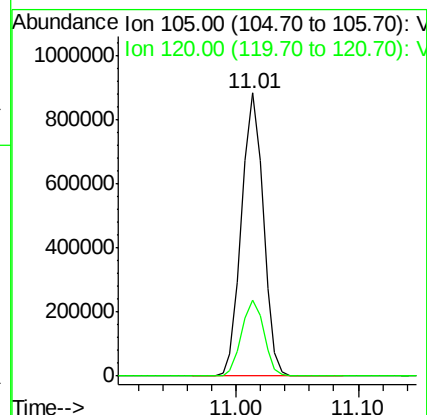
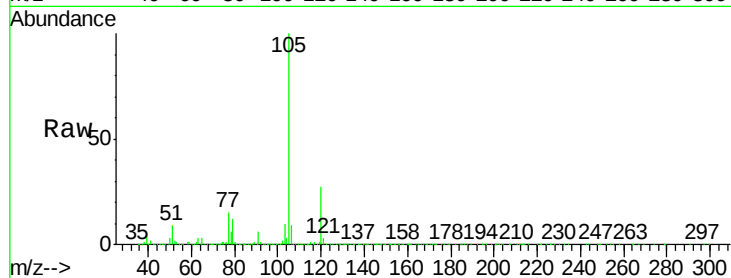
Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5

Manual Integrations
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2/7/2020 11:45:00 AM



#74

N-ethyl acetate

Concen: 51.894 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion: 43 Resp: 497091

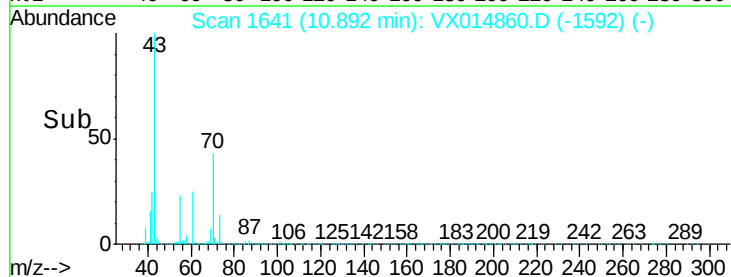
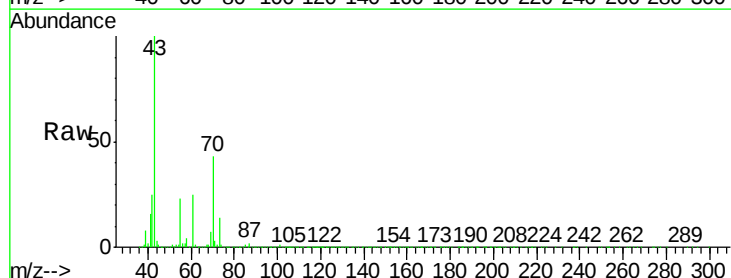
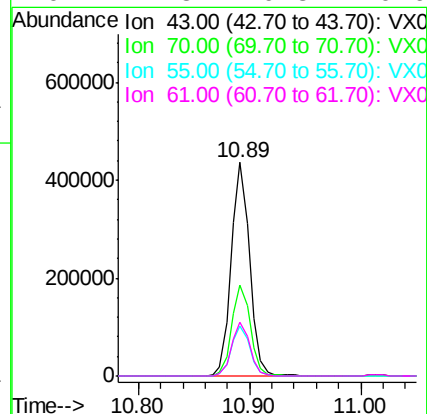
Ion Ratio Lower Upper

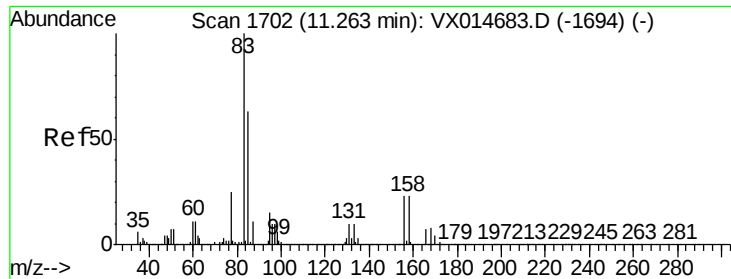
43 100

70 43.7 34.6 52.0

55 23.5 19.4 29.2

61 24.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.628 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

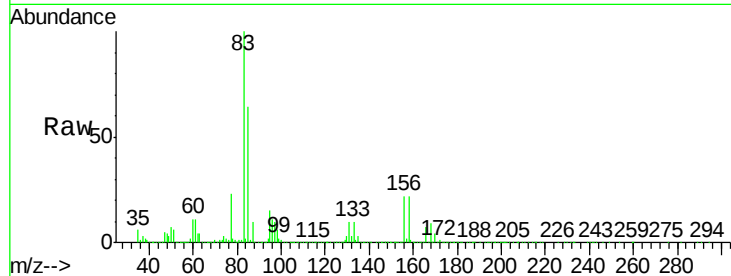
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	356118
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	64.9	31.7	95.1

Manual Integrations
APPROVED

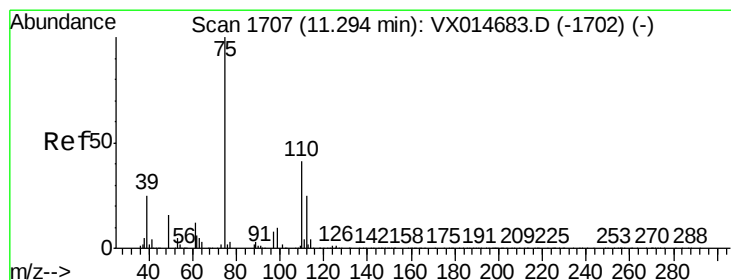
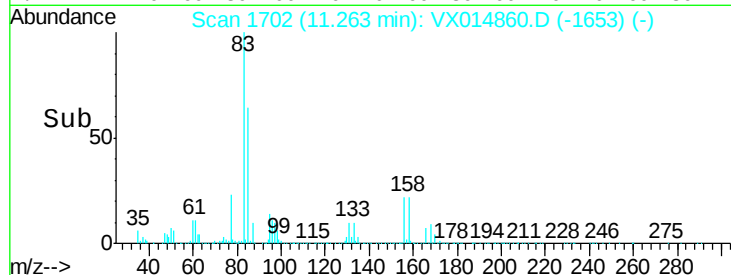
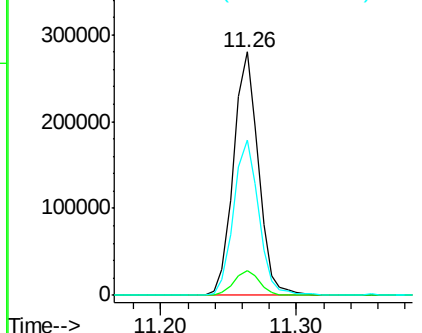
MMDadoda
2/7/2020 11:45:00 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 41.427 ug/l m

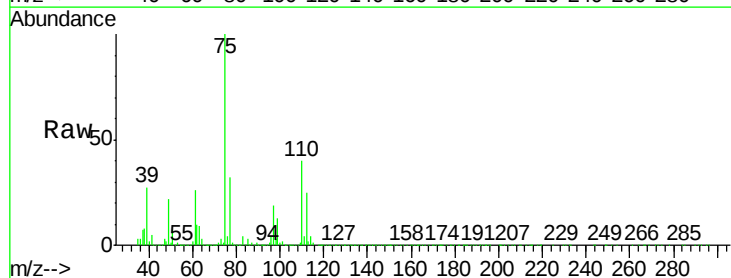
RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX014860.D

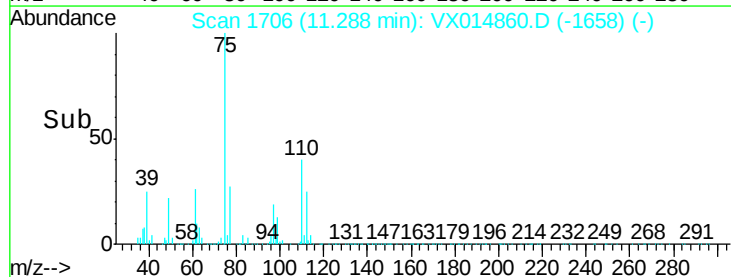
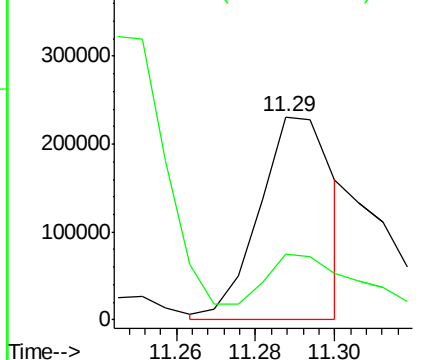
Acq: 06 Feb 2020 20:03

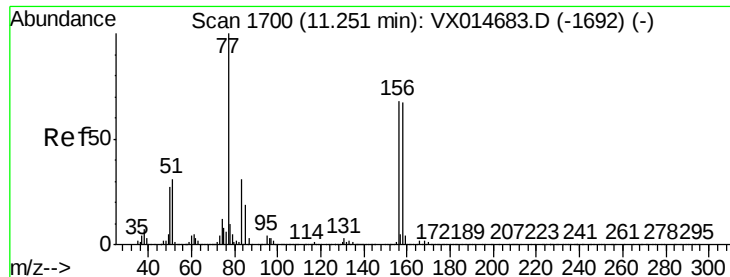
Tgt Ion:	75	Resp:	299640
Ion Ratio	Lower	Upper	
75	100		
77	45.0	18.7	56.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.772 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

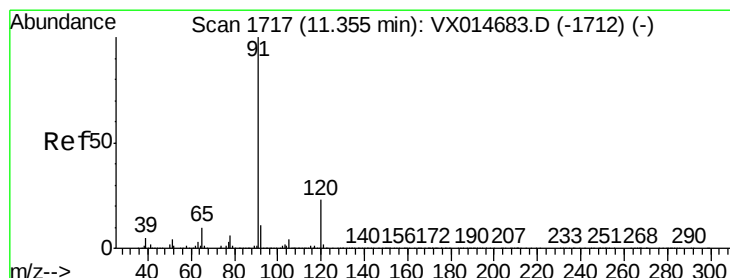
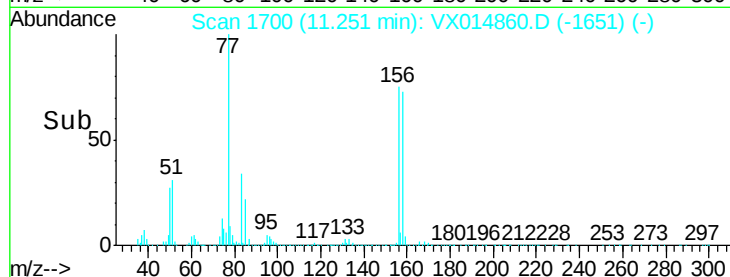
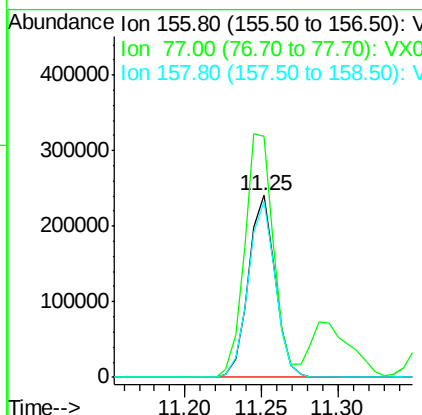
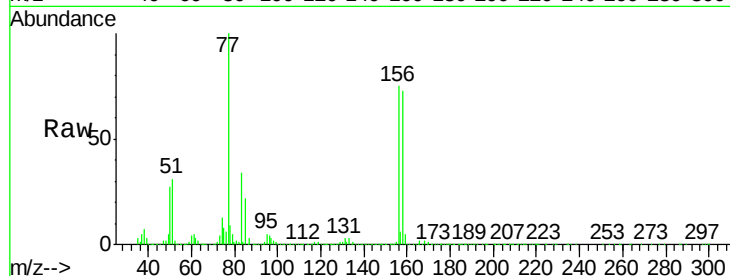
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	292285
Ion Ratio	Lower	Upper	
156	100		
77	143.0	77.5	232.5
158	97.4	49.1	147.3

Manual Integrations
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MMDadoda
2/7/2020 11:45:00 AM



#78

n-propylbenzene

Concen: 49.467 ug/l

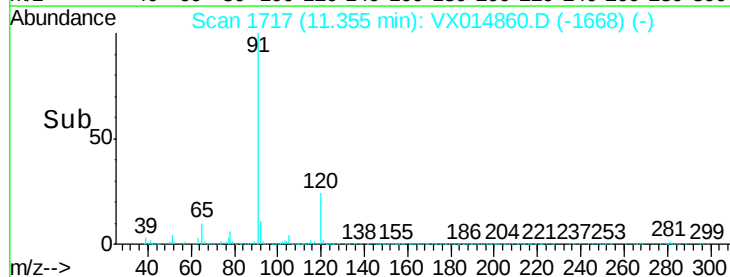
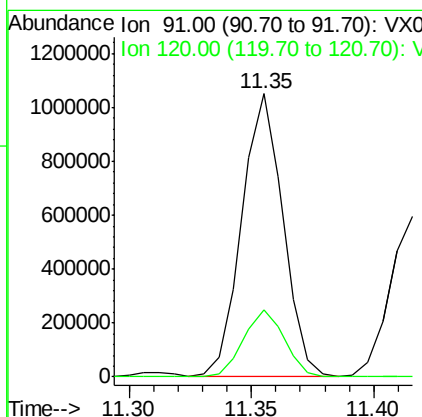
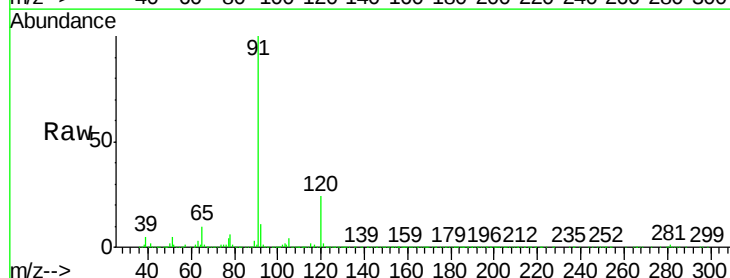
RT: 11.35 min Scan# 1717

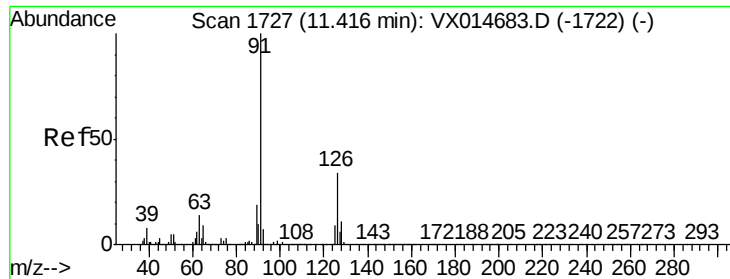
Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	91	Resp:	1227394
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.7	35.0





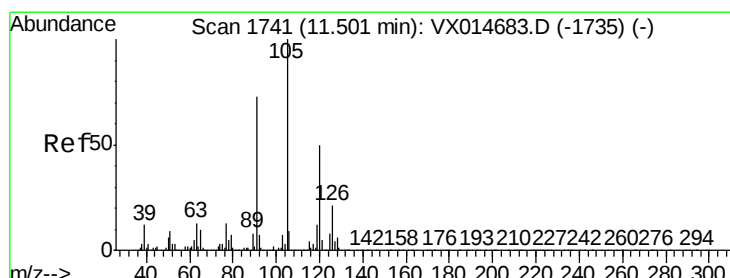
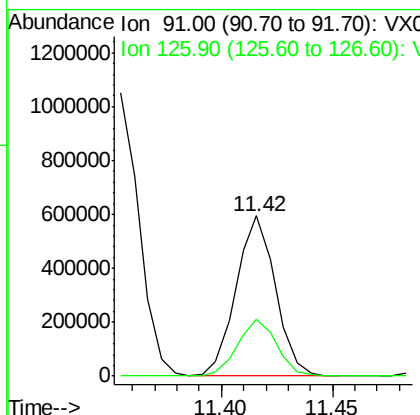
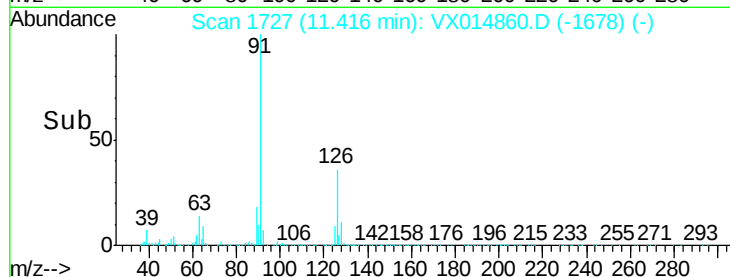
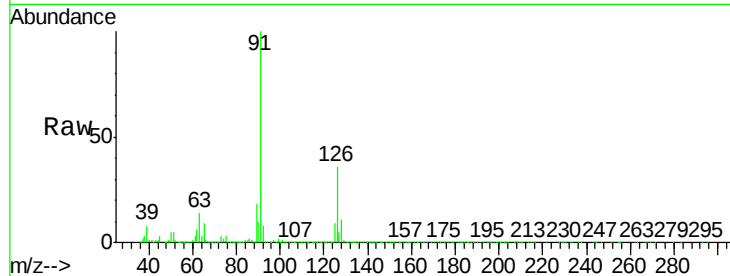
#79
 2-Chlorotoluene
 Concen: 48.570 ug/l
 RT: 11.42 min Scan# 1727
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 729190
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.3 51.9

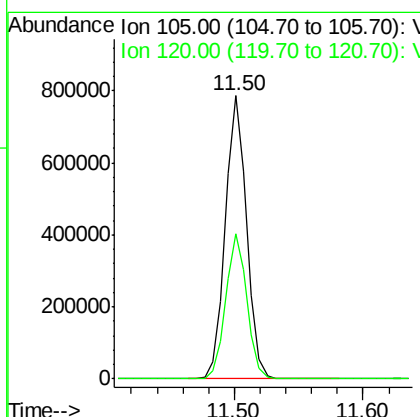
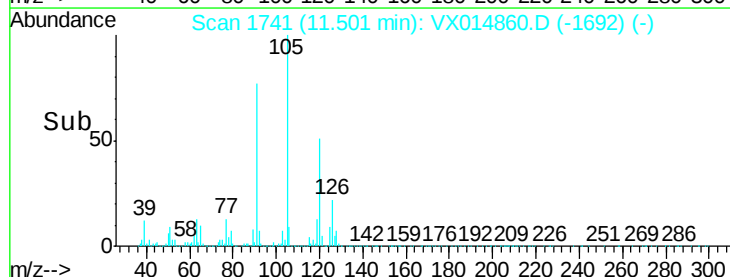
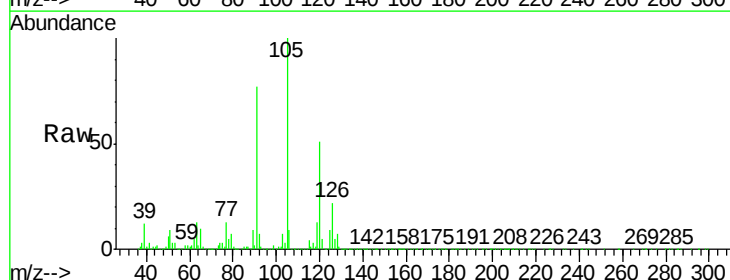
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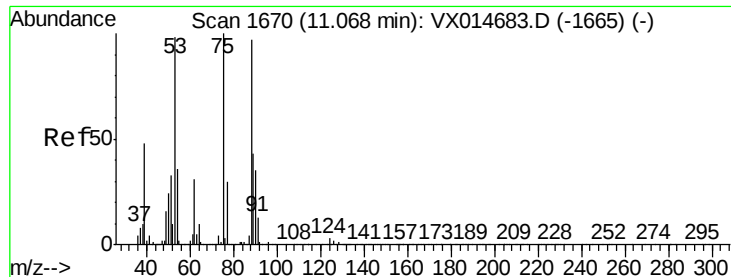
MMDadoda
 2/7/2020 11:45:00 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.377 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion: 105 Resp: 913958
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.6





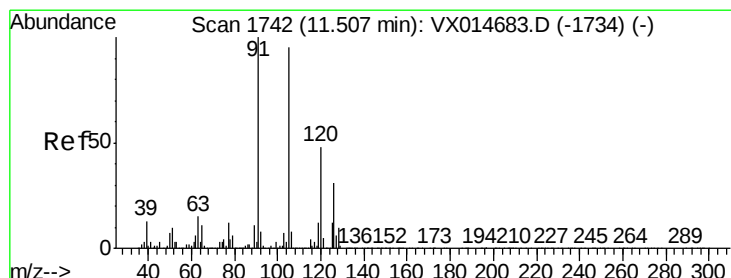
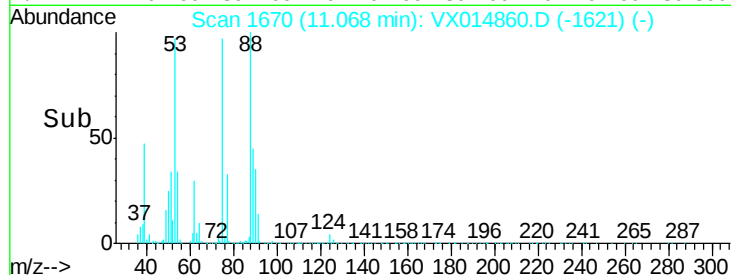
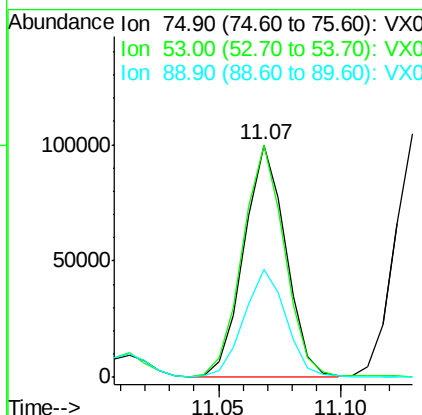
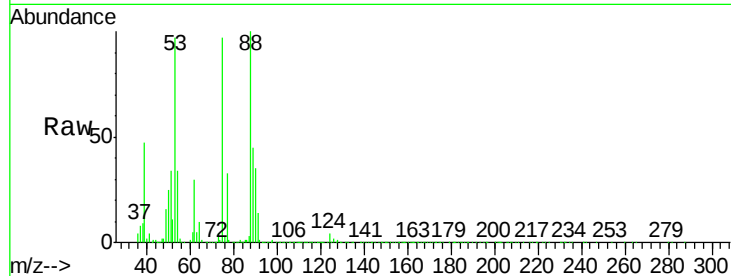
#81
trans-1,4-Dichloro-2-butene
Concen: 46.720 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.2	78.8	118.2
89	47.2	35.4	53.0

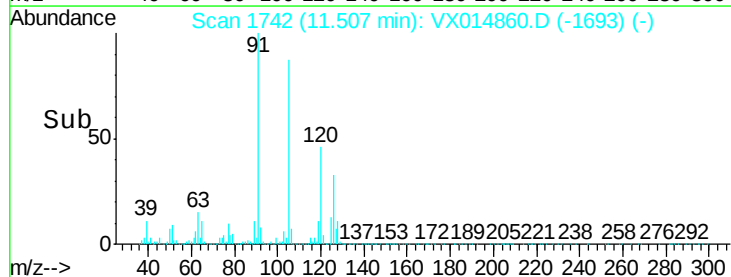
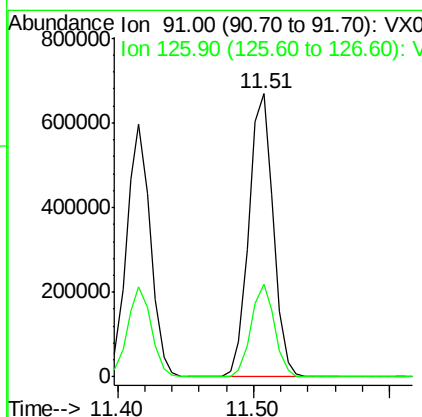
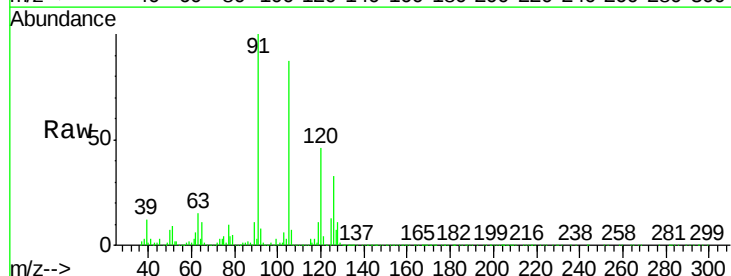
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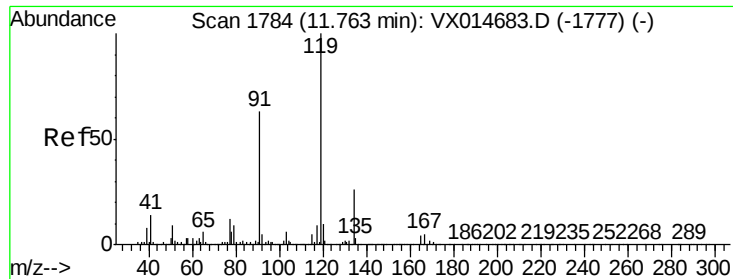
MMDadoda
2/7/2020 11:45:00 AM



#82
4-Chlorotoluene
Concen: 49.150 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.4	46.4





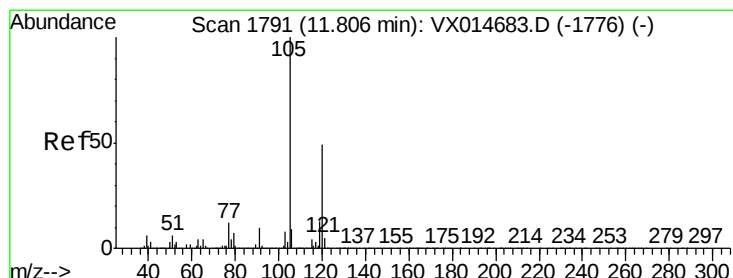
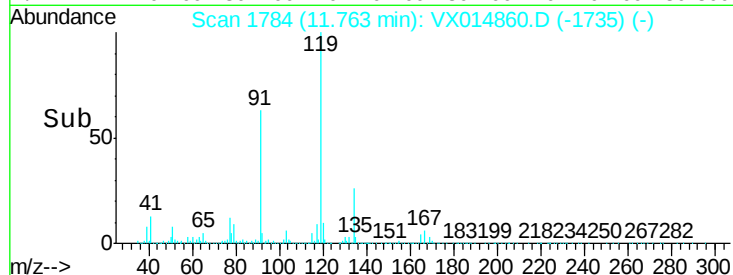
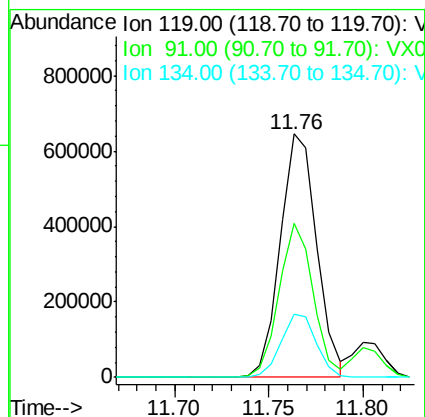
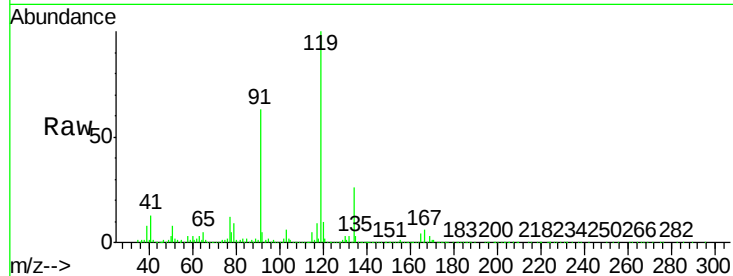
#83
tert-Butylbenzene
Concen: 50.582 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.3	30.0	90.0
134	25.1	12.7	38.0

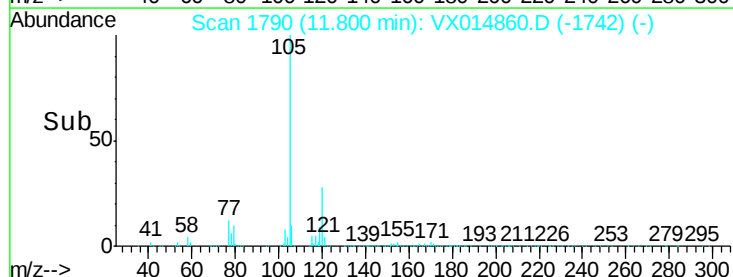
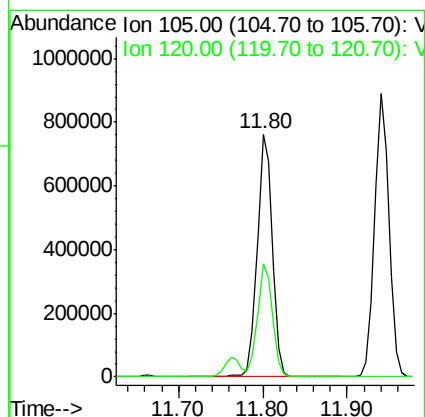
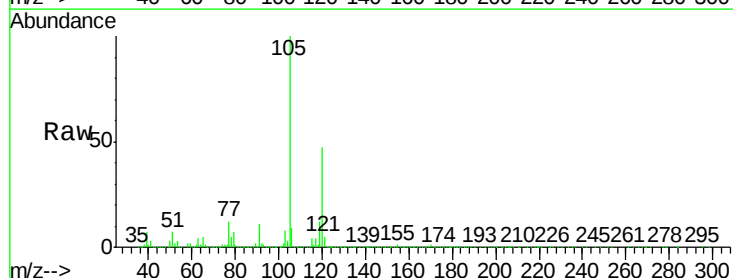
Manual Integrations
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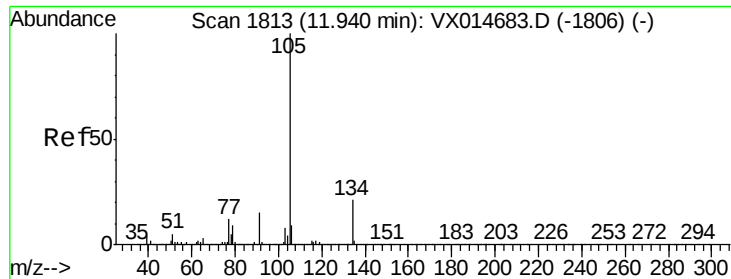
MMDadoda
2/7/2020 11:45:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 50.508 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.4	70.0





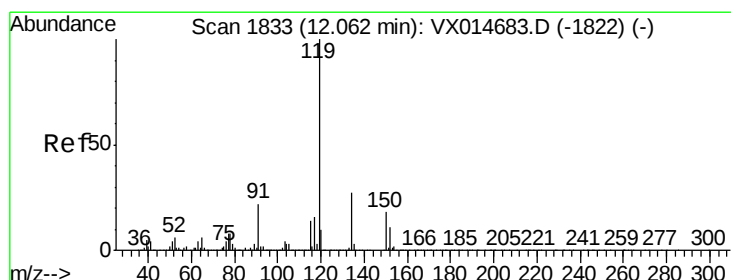
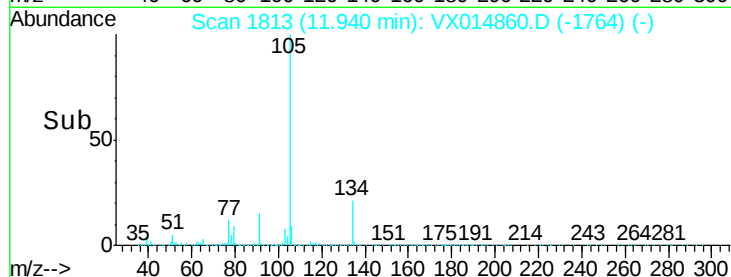
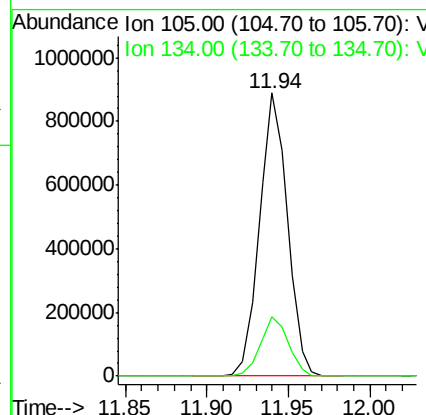
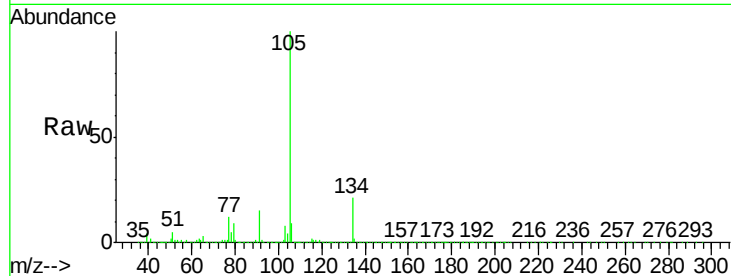
#85
 sec-Butylbenzene
 Concen: 50.679 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1058427
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8

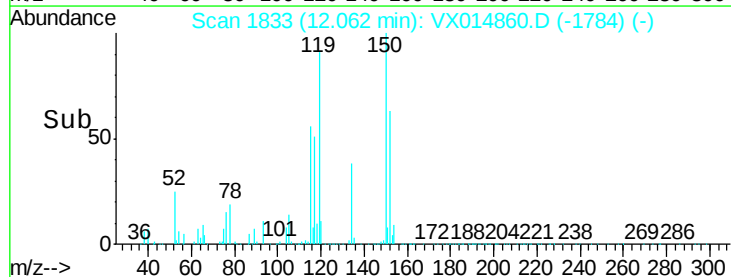
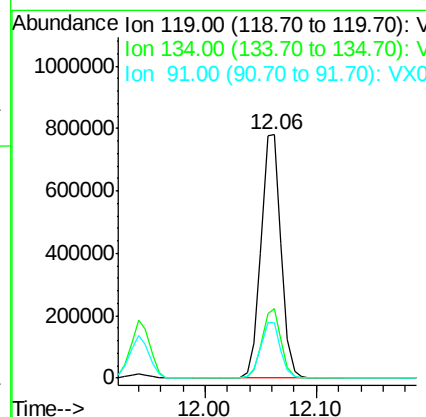
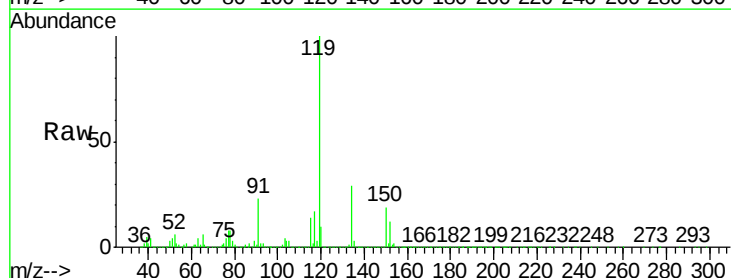
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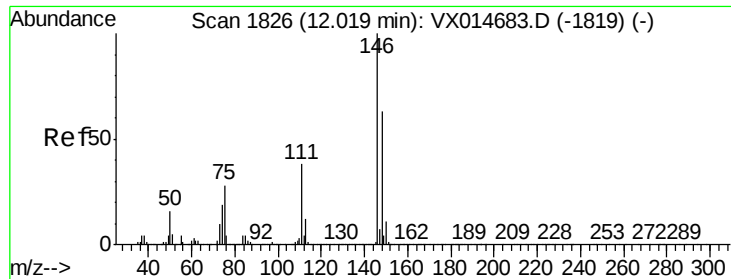
MMDadoda
 2/7/2020 11:45:00 AM



#86
 p-Isopropyltoluene
 Concen: 50.661 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion:119 Resp: 977805
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.5 40.4
 91 22.5 11.3 33.8





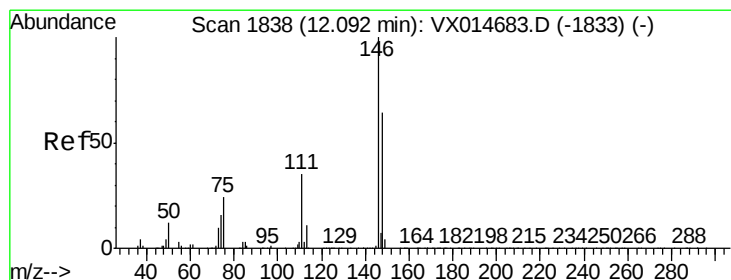
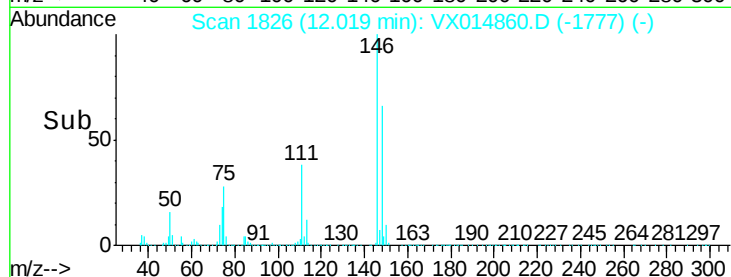
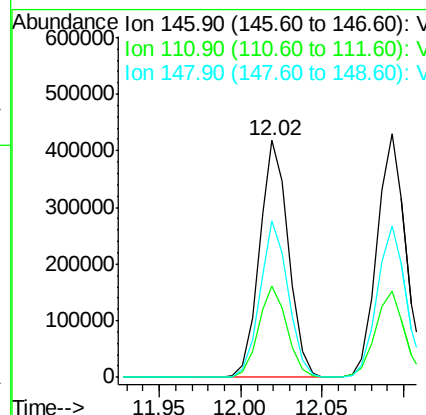
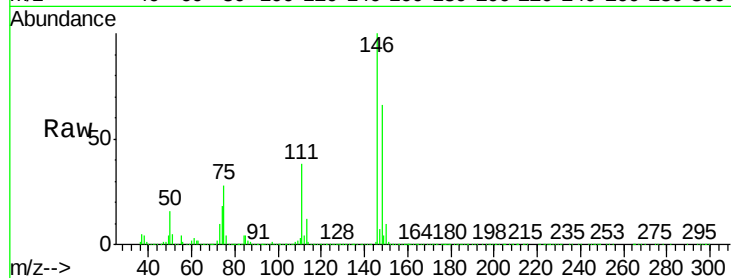
#87
 1,3-Dichlorobenzene
 Concen: 48.547 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.4	31.6	95.0

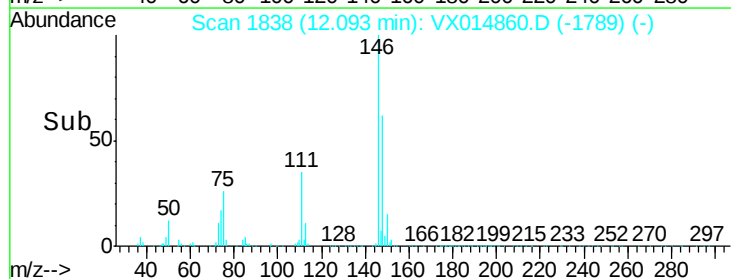
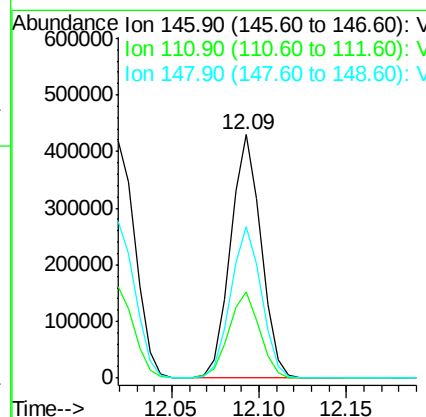
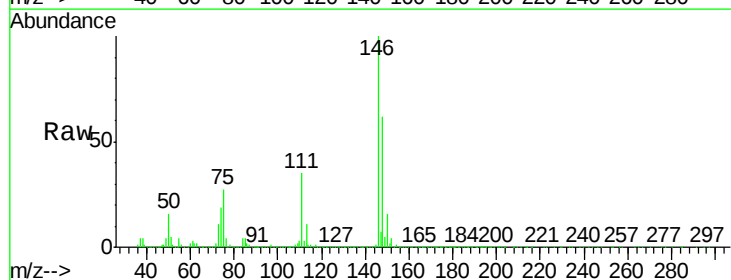
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 2/7/2020 11:45:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.073 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	55.8
148	63.2	32.0	96.2





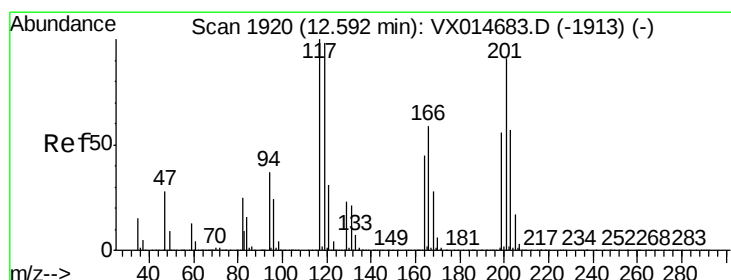
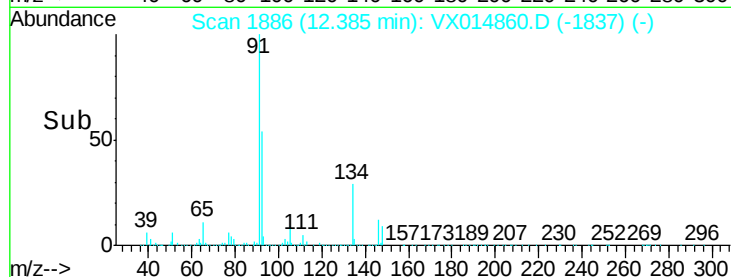
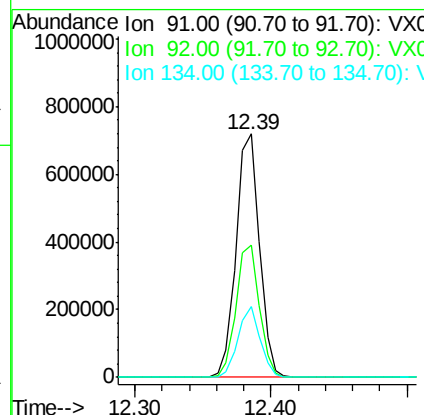
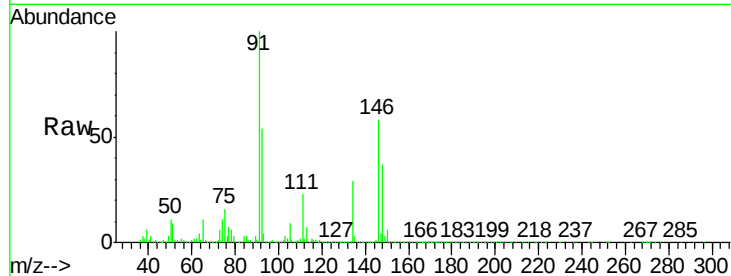
#89
n-Butylbenzene
Concen: 50.980 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.6	82.7
134	27.7	13.3	39.8

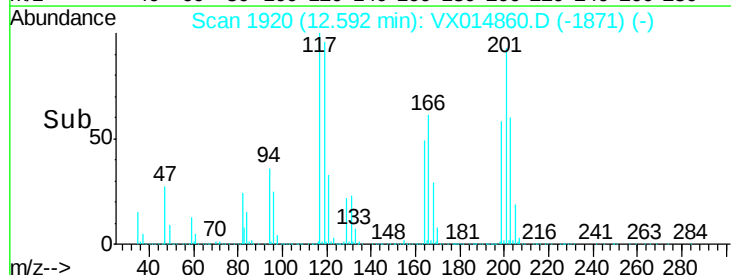
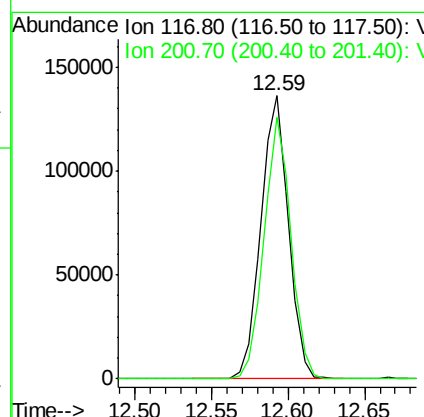
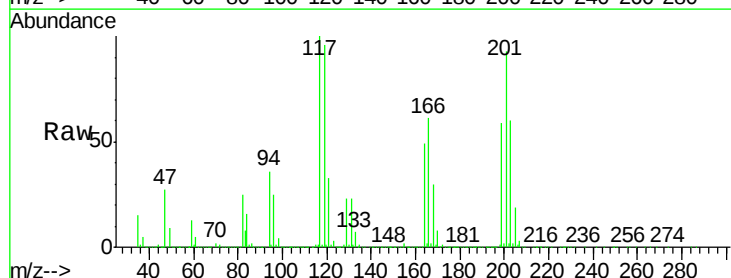
Manual Integrations
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2/7/2020 11:45:00 AM



#90
Hexachloroethane
Concen: 47.616 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	44.4	133.1





#91

1,2-Dichlorobenzene

Concen: 48.746 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Instrument :

MSVOA_X

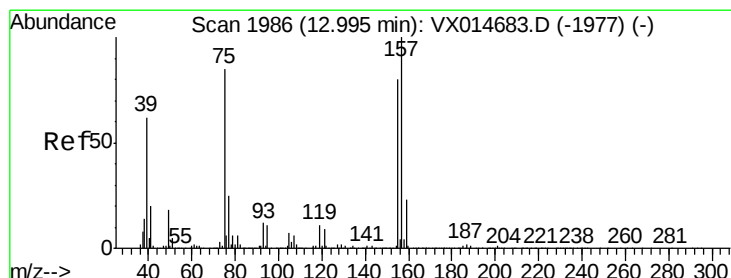
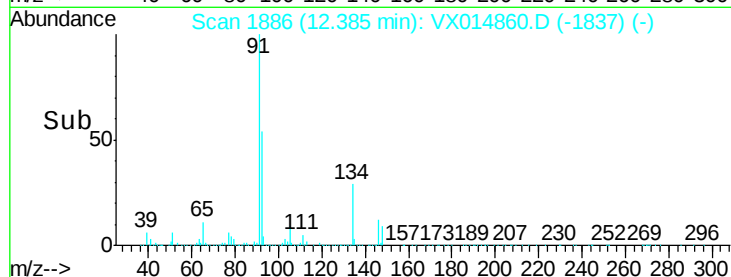
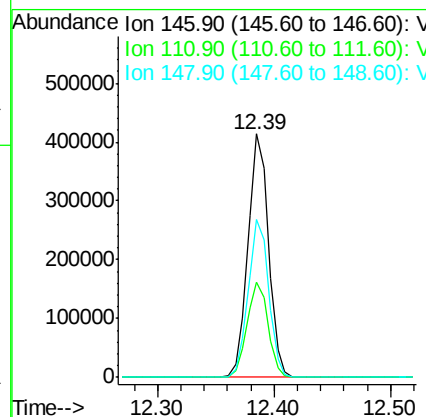
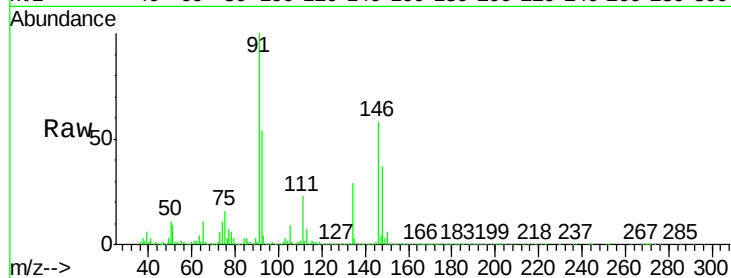
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	510956
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.6	58.8
148	65.0	31.9	95.9

Manual Integrations
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MMDadoda
2/7/2020 11:45:00 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.873 ug/l

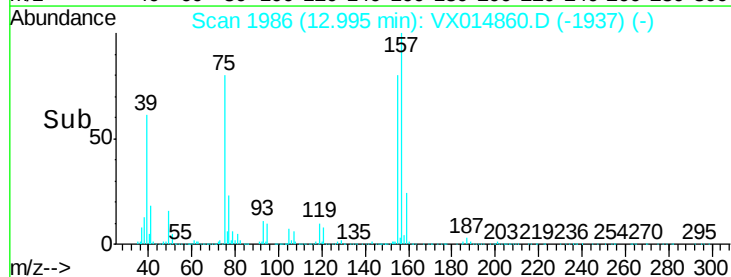
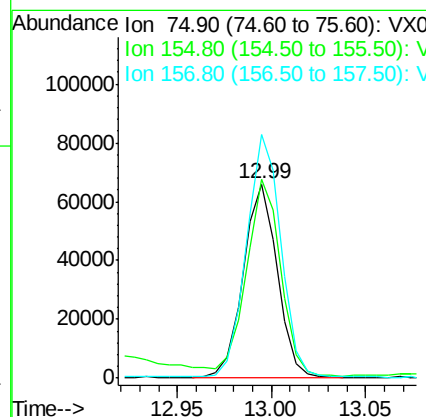
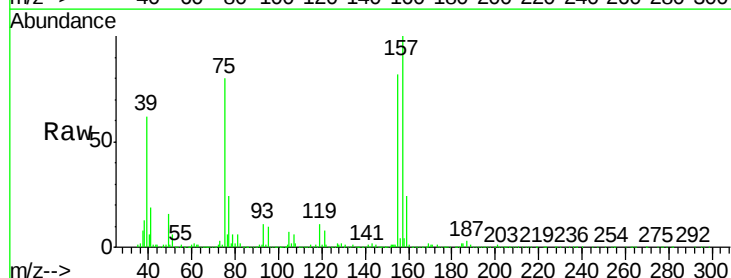
RT: 12.99 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014860.D

Acq: 06 Feb 2020 20:03

Tgt Ion:	75	Resp:	81953
Ion Ratio	Lower	Upper	
75	100		
155	101.6	45.6	136.9
157	127.8	60.3	180.9





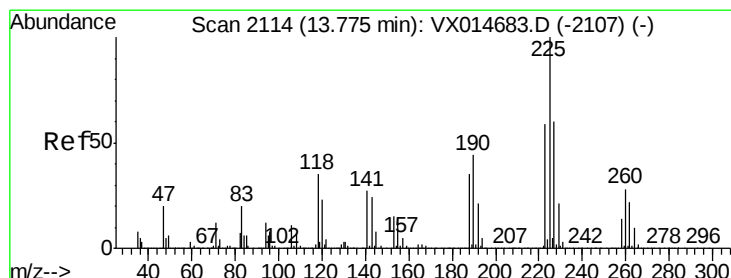
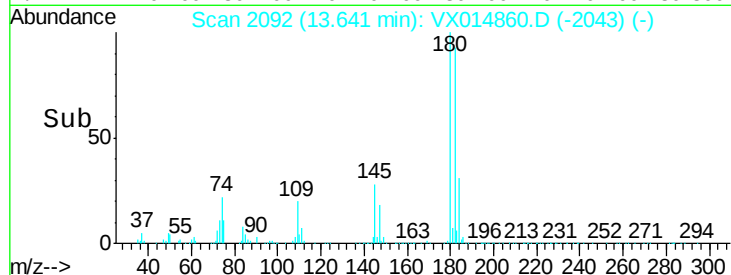
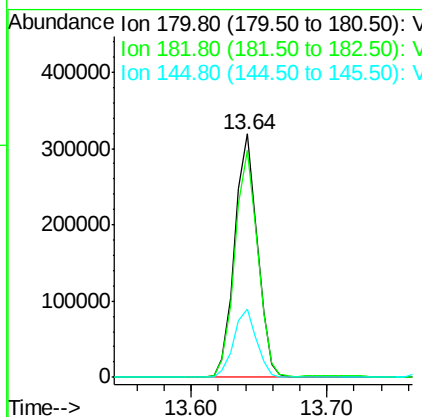
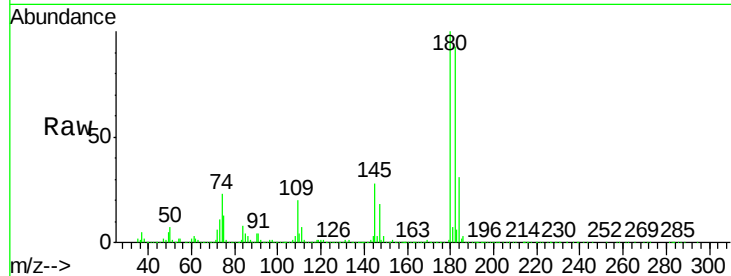
#93
 1,2,4-Trichlorobenzene
 Concen: 54.922 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	371162		
182	94.4	48.5	145.6	
145	28.3	14.0	41.9	

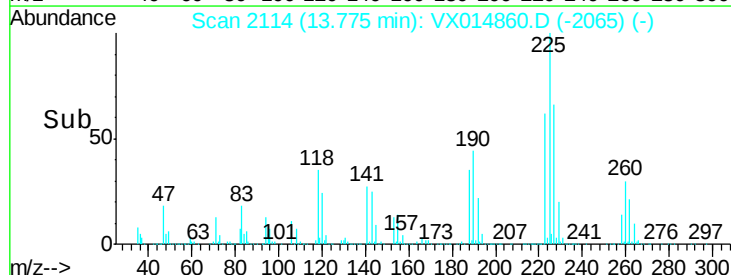
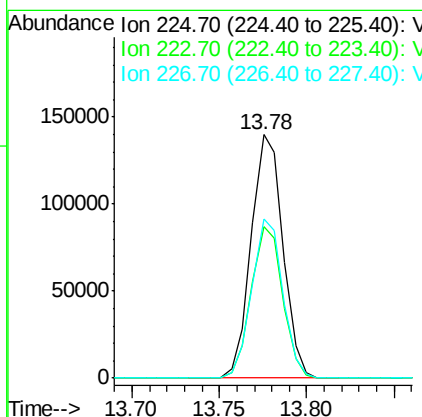
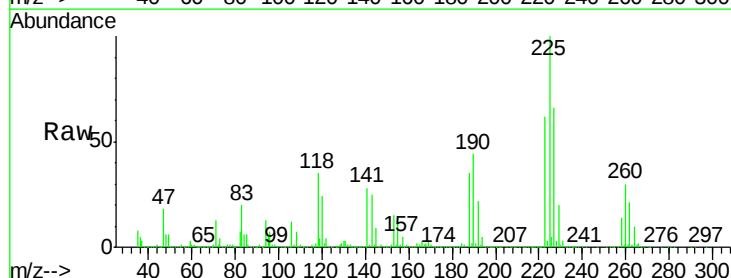
Manual Integrations
 APPROVED

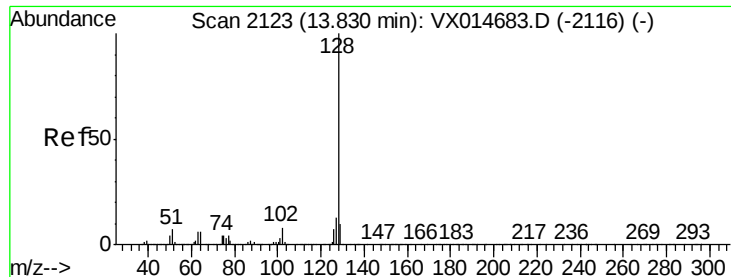
MMDadoda
 2/7/2020 11:45:00 AM



#94
 Hexachlorobutadiene
 Concen: 50.729 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VX014860.D
 Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176448		
223	62.0	30.6	91.8	
227	64.3	31.4	94.0	





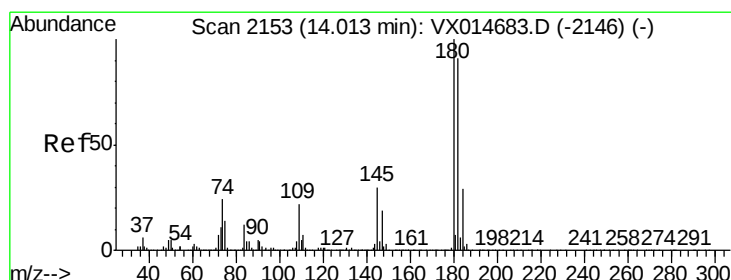
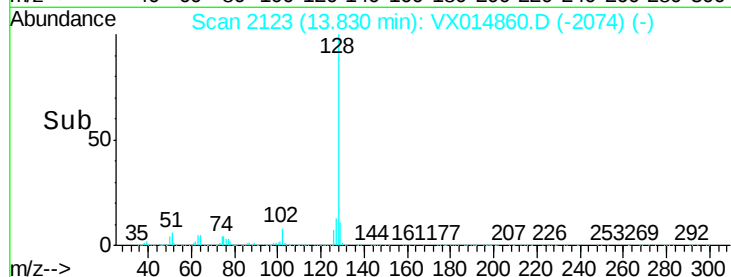
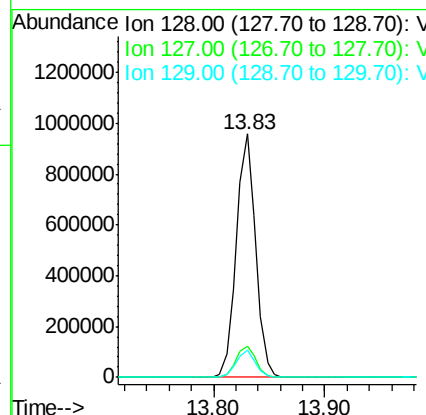
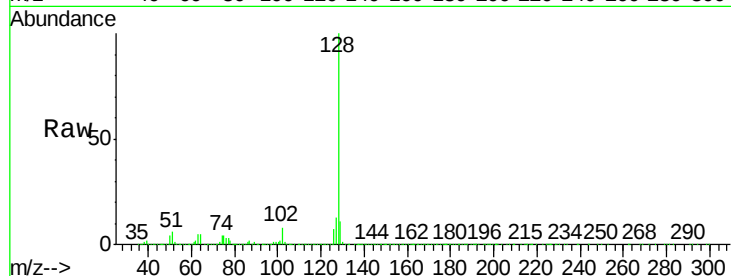
#95
Naphthalene
Concen: 52.302 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/7/2020 11:45:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.168 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX014860.D
Acq: 06 Feb 2020 20:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.6	139.7
145	29.3	14.7	44.1

