

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017365.D
 Acq On : 14 Jul 2020 09:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:00 AM

Quant Time: Jul 15 01:36:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	321769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	461177	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	445496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	191536	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	5.46	113	156002	50.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.70	98	574051	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.12	95	227345	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	156298	57.405	ug/l	99
3) Chloromethane	1.31	50	150618	49.137	ug/l	99
4) Vinyl Chloride	1.39	62	152948	50.438	ug/l	99
5) Bromomethane	1.62	94	99892	50.603	ug/l	98
6) Chloroethane	1.71	64	95279	49.778	ug/l	100
7) Trichlorofluoromethane	1.92	101	265966	51.965	ug/l	96
8) Diethyl Ether	2.17	74	88356	48.838	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	145087	49.763	ug/l	98
10) Methyl Iodide	2.49	142	184461	47.845	ug/l	99
11) Tert butyl alcohol	3.01	59	157177	231.004	ug/l	99
12) 1,1-Dichloroethene	2.36	96	133959	45.748	ug/l	98
13) Acrolein	2.27	56	79711	213.712	ug/l	100
14) Allyl chloride	2.70	41	252473	49.760	ug/l	98
15) Acrylonitrile	3.11	53	399363	242.123	ug/l	100
16) Acetone	2.42	43	305525	212.059	ug/l	98
17) Carbon Disulfide	2.55	76	426780	49.962	ug/l	99
18) Methyl Acetate	2.75	43	168340	47.306	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	499865	50.274	ug/l	99
20) Methylene Chloride	2.83	84	163132	46.407	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	163394	48.771	ug/l	97
22) Diisopropyl ether	3.82	45	489984	50.697	ug/l	94
23) Vinyl Acetate	3.78	43	2176302	256.036	ug/l	100
24) 1,1-Dichloroethane	3.67	63	280599	49.401	ug/l	99
25) 2-Butanone	4.63	43	522093	228.153	ug/l	98
26) 2,2-Dichloropropane	4.55	77	262177	49.596	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	177476	48.307	ug/l	98
28) Bromochloromethane	4.98	49	129825	49.477	ug/l	98
29) Tetrahydrofuran	5.09	42	351852	237.531	ug/l	99
30) Chloroform	5.17	83	294724	48.227	ug/l	96
31) Cyclohexane	5.54	56	244723	52.629	ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	273633	48.435	ug/l	98
36) 1,1-Dichloropropene	5.77	75	222727	52.505	ug/l	99
37) Ethyl Acetate	4.79	43	214459	48.886	ug/l	99
38) Carbon Tetrachloride	5.75	117	259407	52.230	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	256300	55.638	ug/l	98
40) Benzene	6.11	78	625819	51.335	ug/l	98
41) Methacrylonitrile	4.99	41	120515	51.172	ug/l	98
42) 1,2-Dichloroethane	6.16	62	240389	50.752	ug/l	99
43) Isopropyl Acetate	6.41	43	348738	49.749	ug/l	100
44) Trichloroethene	7.18	130	189938	51.007	ug/l	93
45) 1,2-Dichloropropane	7.49	63	162986	52.250	ug/l	98
46) Dibromomethane	7.63	93	114881	51.065	ug/l	99
47) Bromodichloromethane	7.87	83	240613	51.157	ug/l	99
48) Methyl methacrylate	7.74	41	173641	51.619	ug/l	99
49) 1,4-Dioxane	7.71	88	67220	976.480	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	1074773	251.451	ug/l	100
52) Toluene	8.76	92	413570	52.864	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	261996	51.706	ug/l	100
54) cis-1,3-Dichloropropene	8.42	75	280241	51.854	ug/l	99
55) 1,1,2-Trichloroethane	9.20	97	167863	51.456	ug/l	98
56) Ethyl methacrylate	9.16	69	243669	52.611	ug/l	100
57) 1,3-Dichloropropane	9.35	76	276374	50.931	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	642769	273.328	ug/l	100
59) 2-Hexanone	9.47	43	830933	257.571	ug/l	99
60) Dibromochloromethane	9.56	129	202935	50.921	ug/l	100
61) 1,2-Dibromoethane	9.65	107	180754	50.934	ug/l	99
64) Tetrachloroethene	9.32	164	195578	50.722	ug/l	98
65) Chlorobenzene	10.12	112	456001	50.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	182181	50.543	ug/l	98
67) Ethyl Benzene	10.23	91	788130	52.293	ug/l	99
68) m/p-Xylenes	10.34	106	619973	108.114	ug/l	99
69) o-Xylene	10.68	106	289350	52.806	ug/l	99
70) Styrene	10.70	104	513139	54.556	ug/l	99
71) Bromoform	10.84	173	160275	52.694	ug/l	98
73) Isopropylbenzene	11.00	105	813236	53.697	ug/l	99
74) N-amyl acetate	10.88	43	323900	53.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	228620	49.718	ug/l	100
76) 1,2,3-Trichloropropane	11.28	75	229664m	51.445	ug/l	
77) Bromobenzene	11.24	156	216401	50.168	ug/l	97
78) n-propylbenzene	11.34	91	933923	54.908	ug/l	99
79) 2-Chlorotoluene	11.40	91	554295	52.882	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	701813	54.590	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	87024	49.450	ug/l #	94
82) 4-Chlorotoluene	11.49	91	662629	53.343	ug/l	100
83) tert-Butylbenzene	11.76	119	662365	53.298	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	701203	53.989	ug/l	98
85) sec-Butylbenzene	11.93	105	791342	54.389	ug/l	100
86) p-Isopropyltoluene	12.05	119	765118	55.577	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	388462	50.342	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	390048	50.032	ug/l	100
89) n-Butylbenzene	12.37	91	638375	54.372	ug/l	99
90) Hexachloroethane	12.58	117	138231	52.889	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	362744	50.024	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	55550	45.782	ug/l	97

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ClientSampleId :
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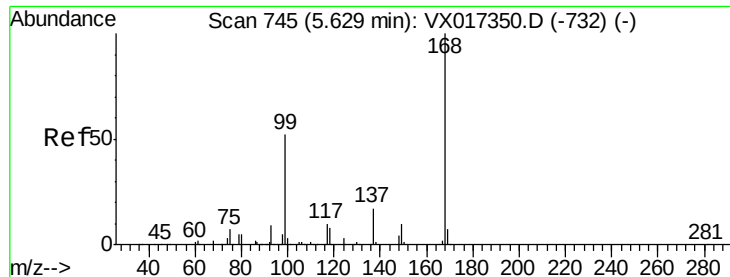
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	255430	50.744	ug/l	99
94) Hexachlorobutadiene	13.77	225	108462	52.836	ug/l	98
95) Naphthalene	13.82	128	775182	52.376	ug/l	100
96) 1,2,3-Trichlorobenzene	14.00	180	252875	52.006	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 321769

Ion Ratio Lower Upper

168 100

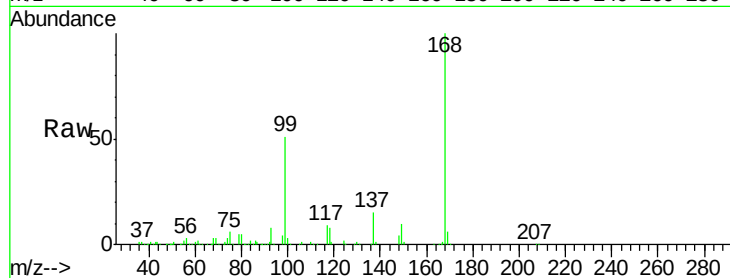
99 50.5 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

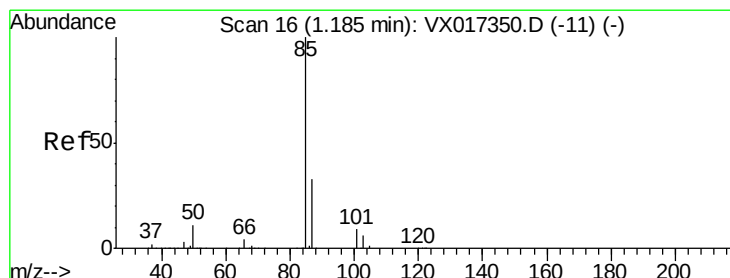
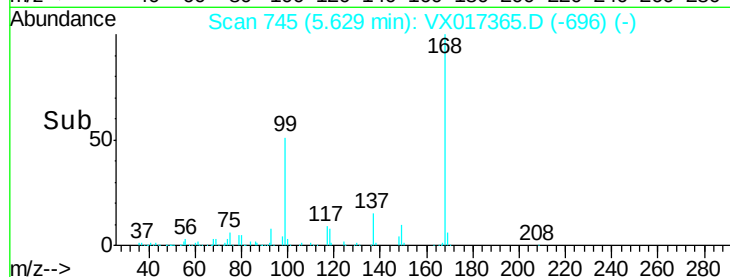
5.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.405 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017365.D

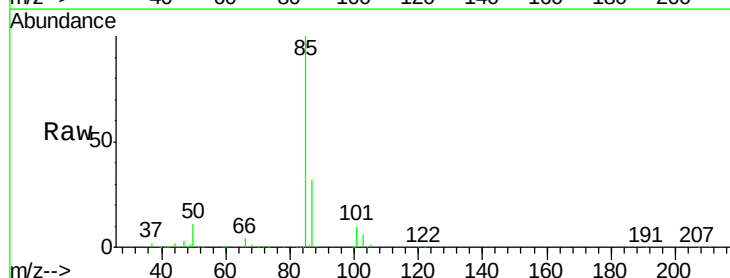
Acq: 14 Jul 2020 09:32

Tgt Ion: 85 Resp: 156298

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

200000

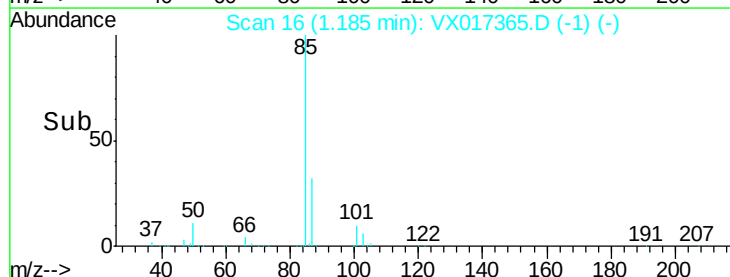
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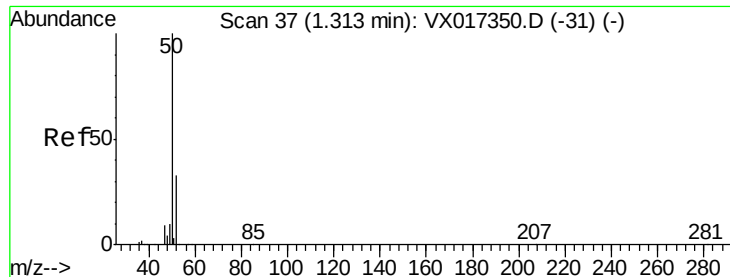
100000

50000

0

Time-->





#3

Chloromethane

Concen: 49.137 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 150618

Ion Ratio Lower Upper

50 100

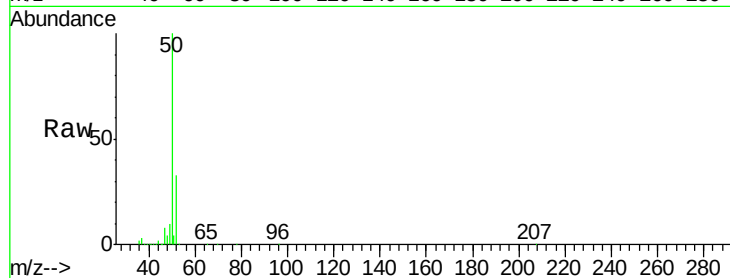
52 32.9 26.7 40.1

Manual Integrations

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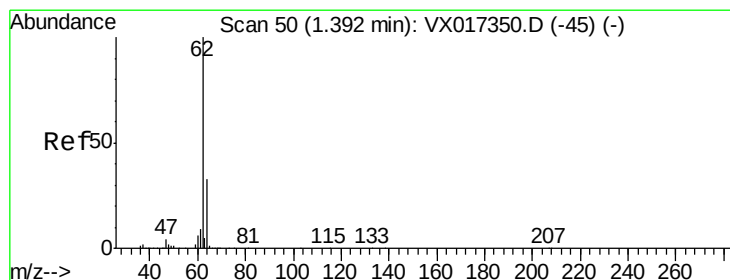
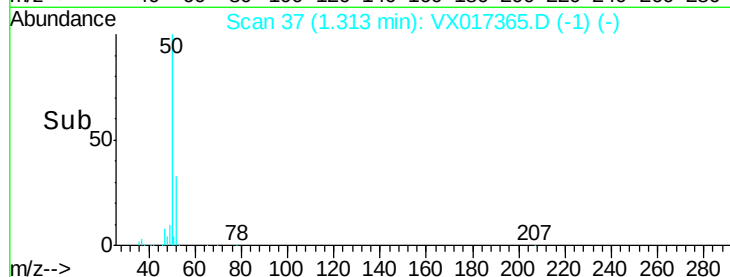
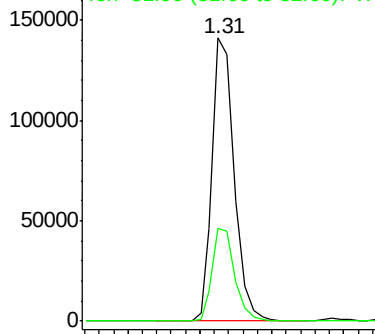
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 50.438 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017365.D

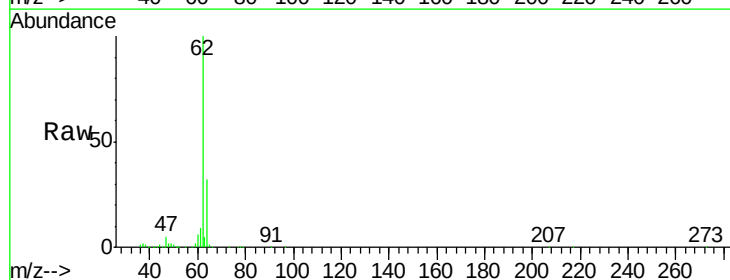
Acq: 14 Jul 2020 09:32

Tgt Ion: 62 Resp: 152948

Ion Ratio Lower Upper

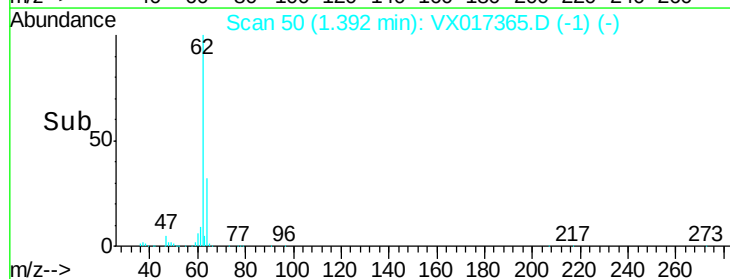
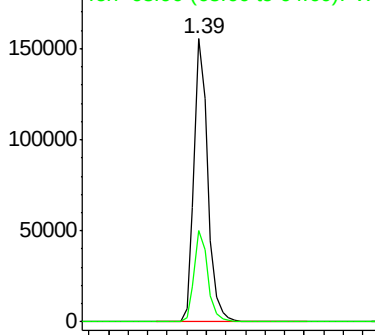
62 100

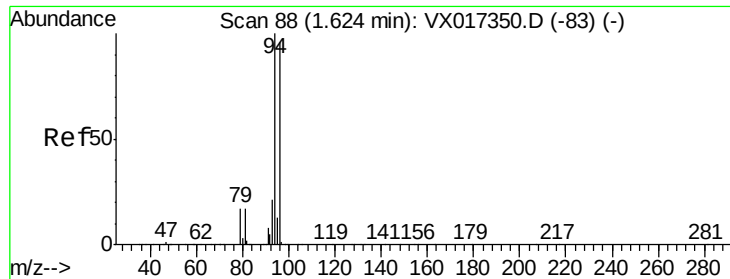
64 32.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.603 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 99892

Ion Ratio Lower Upper

94 100

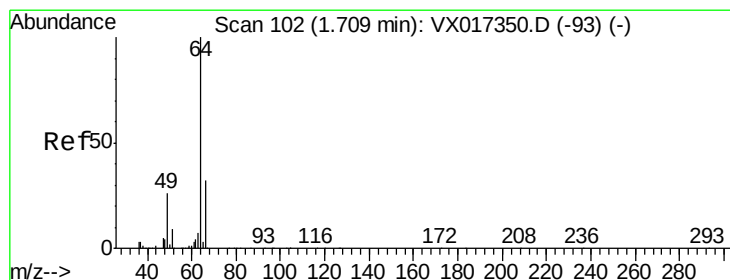
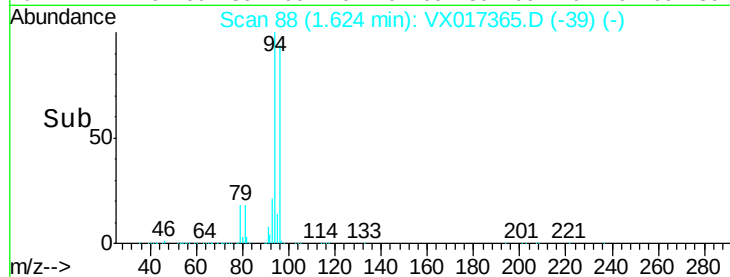
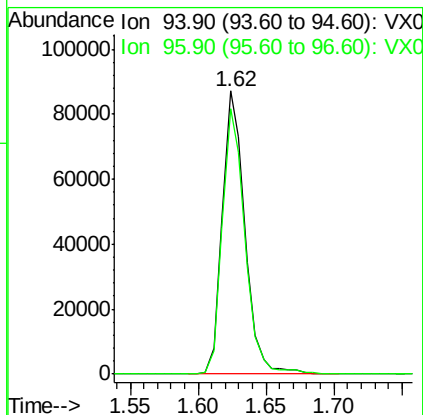
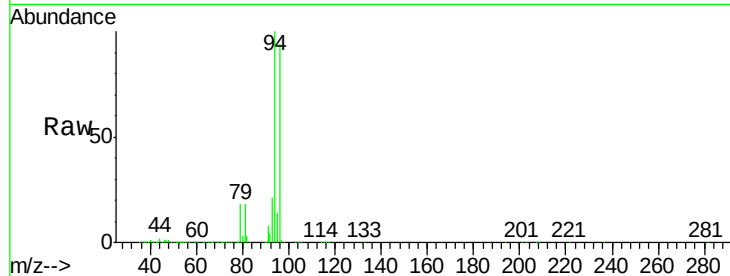
96 93.6 76.6 115.0

Manual Integrations

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#6

Chloroethane

Concen: 49.778 ug/l

RT: 1.71 min Scan# 102

Delta R.T. 0.00 min

Lab File: VX017365.D

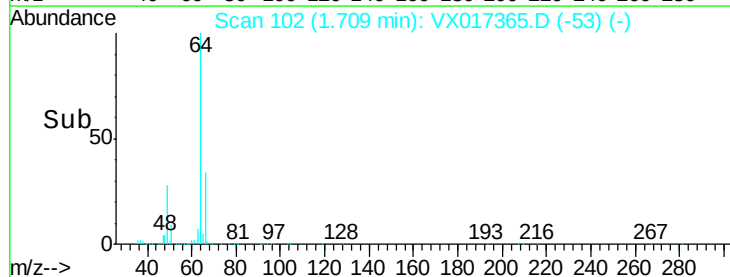
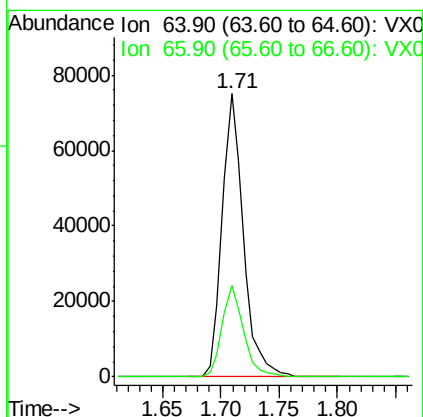
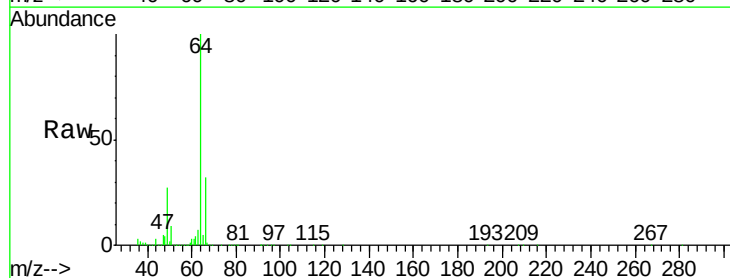
Acq: 14 Jul 2020 09:32

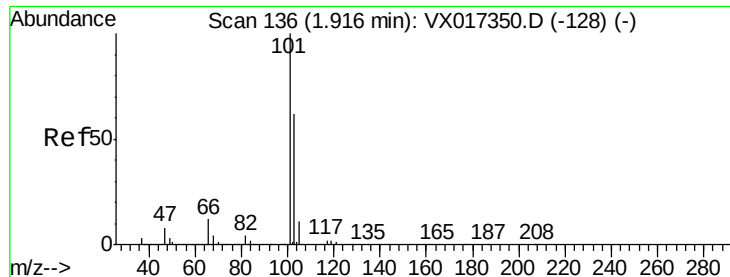
Tgt Ion: 64 Resp: 95279

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

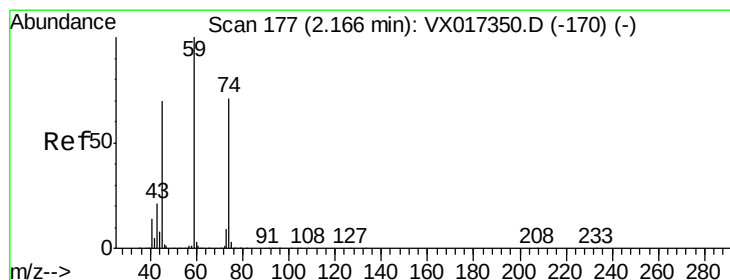
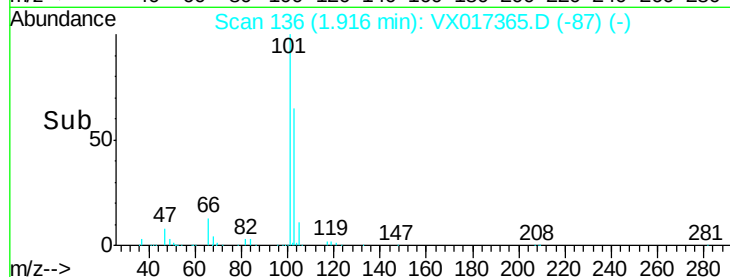
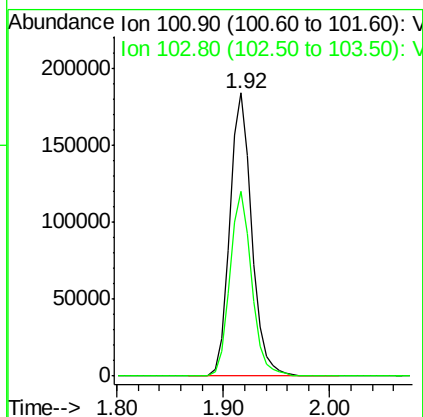
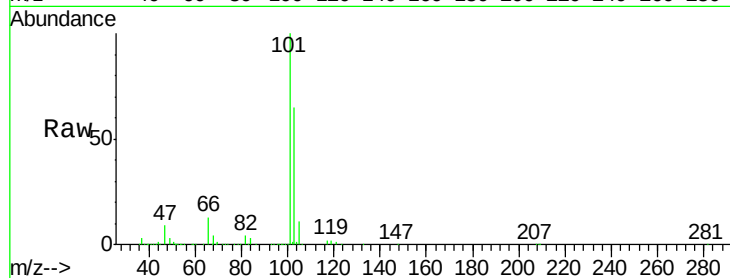
Trichlorofluoromethane
Concen: 51.965 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.6	74.4

Manual Integrations
APPROVED

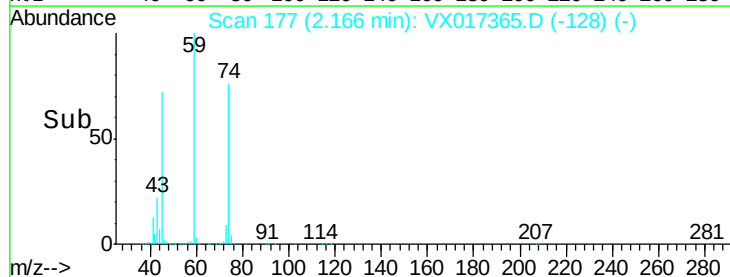
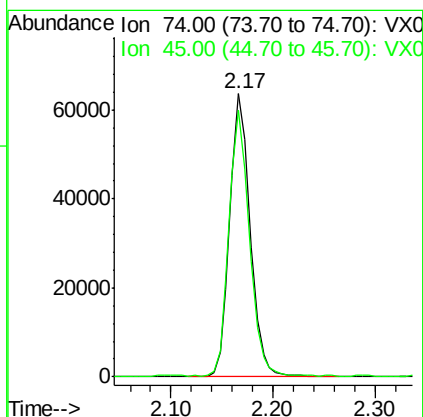
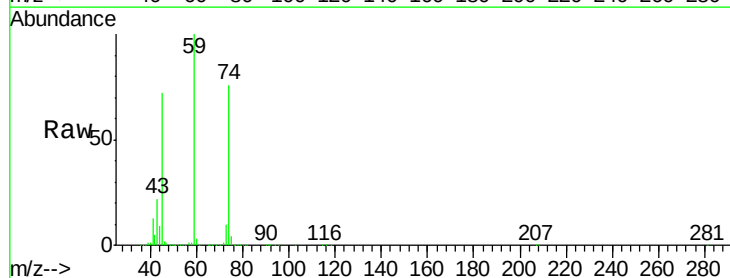
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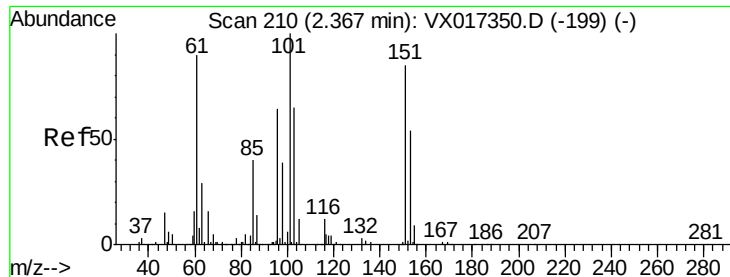


#8

Diethyl Ether
Concen: 48.838 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.763 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

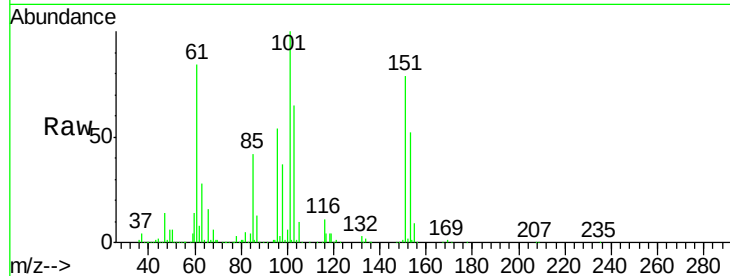
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	145087
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.7	50.5
151	80.7	66.4	99.6

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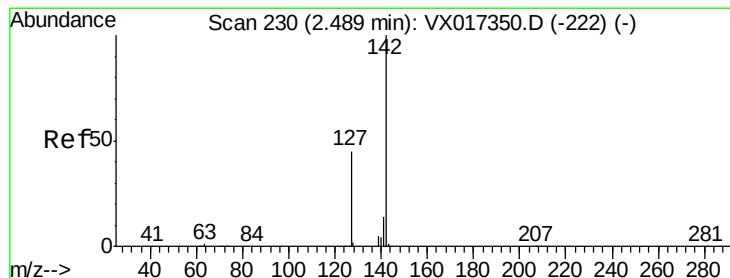
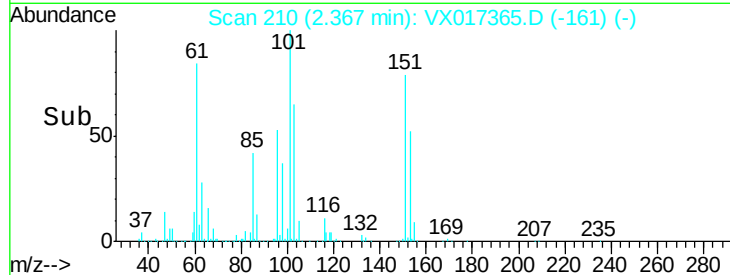
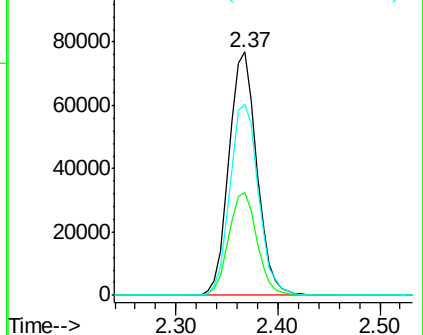


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.845 ug/l

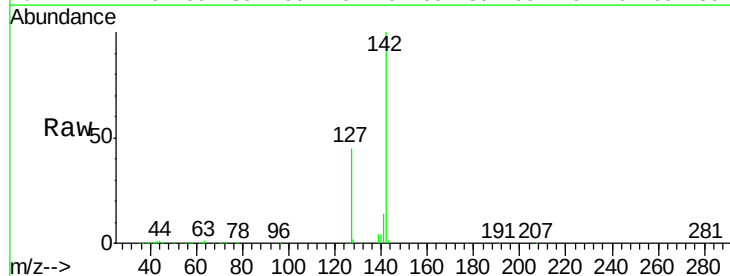
RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	142	Resp:	184461
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.8	55.2
141	14.4	11.4	17.0

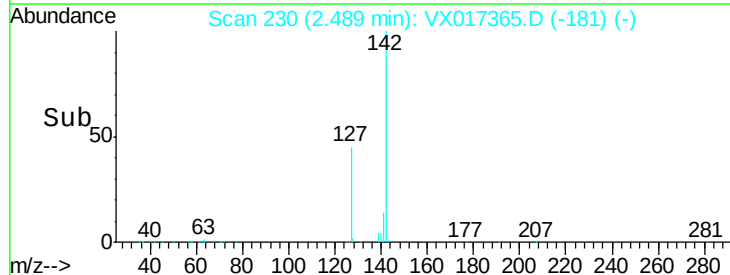
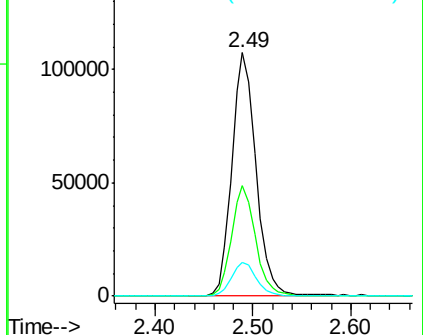


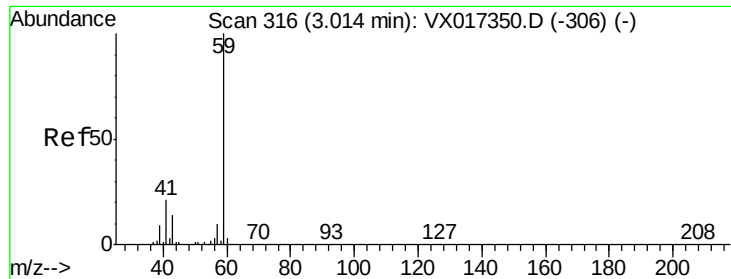
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





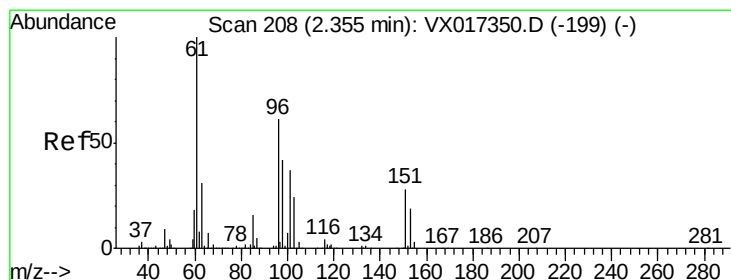
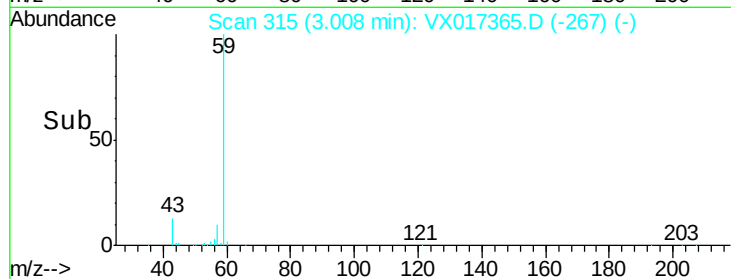
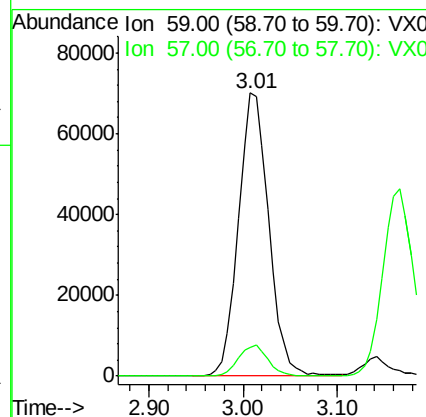
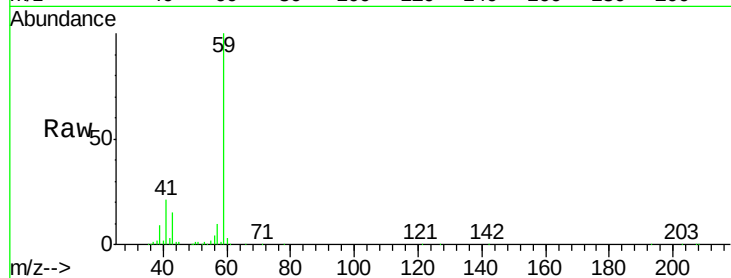
#11
Tert butyl alcohol
Concen: 231.004 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.3	12.5

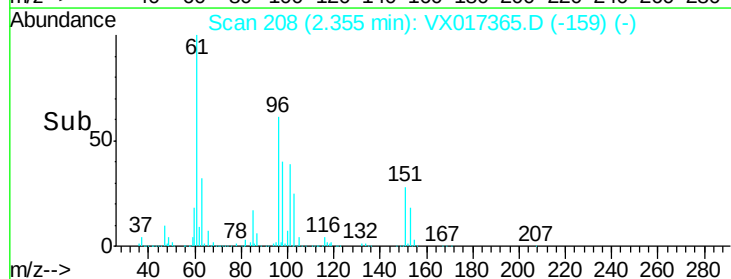
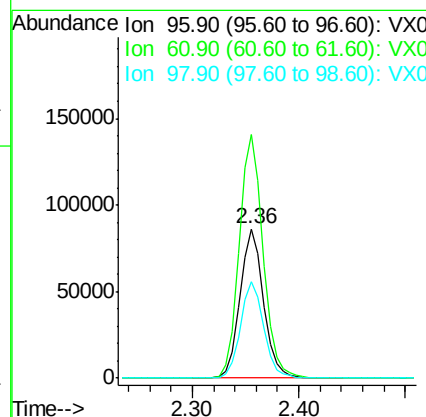
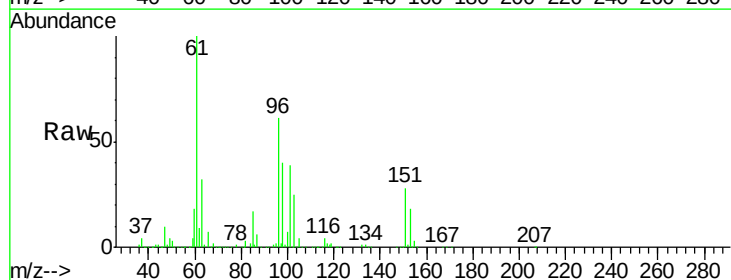
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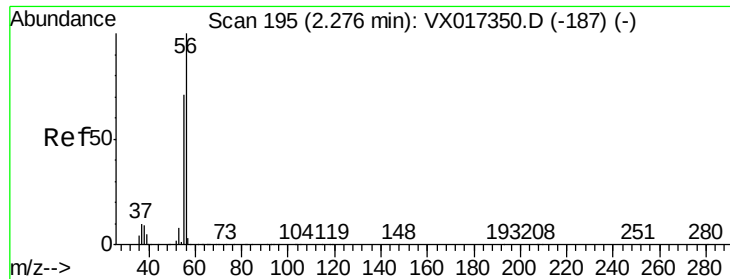
MMDadoda
7/15/2020 11:43:00 AM



#12
1,1-Dichloroethene
Concen: 45.748 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	131.5	197.3
98	65.1	55.1	82.7





#13

Acrolein

Concen: 213.712 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79711

Ion Ratio Lower Upper

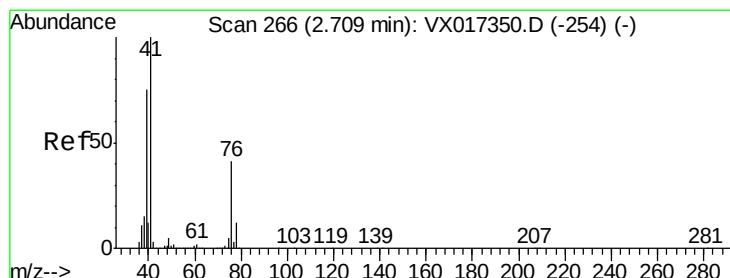
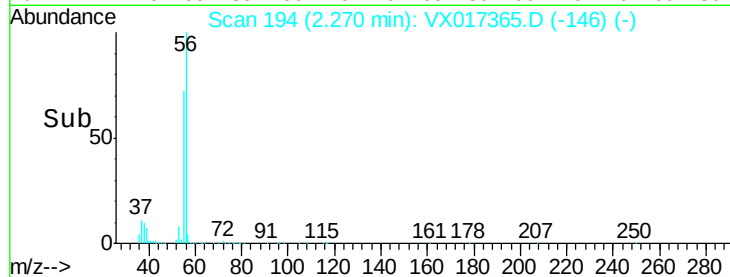
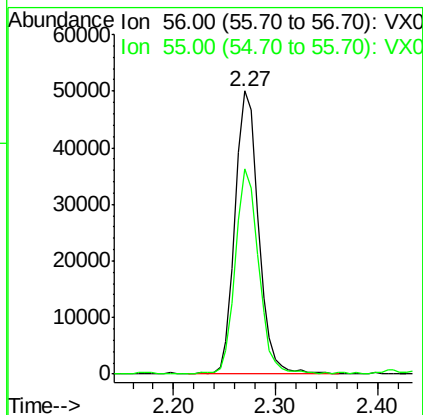
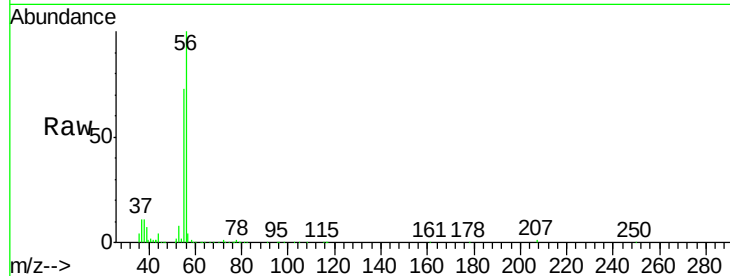
56 100

55 71.2 57.1 85.7

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#14

Allyl chloride

Concen: 49.760 ug/l

RT: 2.70 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

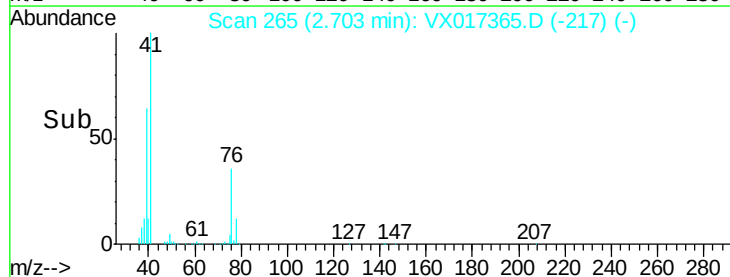
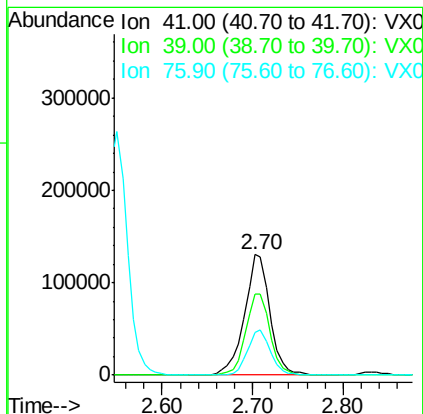
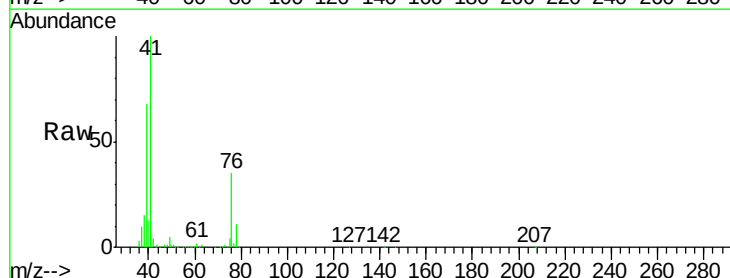
Tgt Ion: 41 Resp: 252473

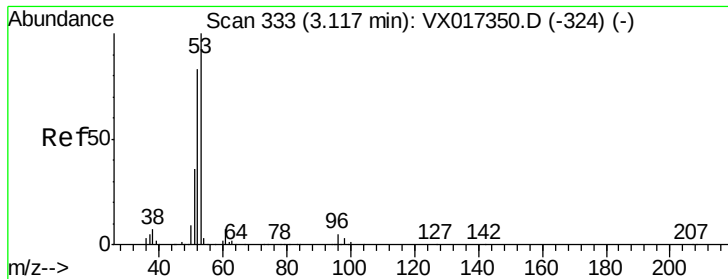
Ion Ratio Lower Upper

41 100

39 64.9 53.0 79.4

76 33.9 28.2 42.2





#15

Acrylonitrile

Concen: 242.123 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

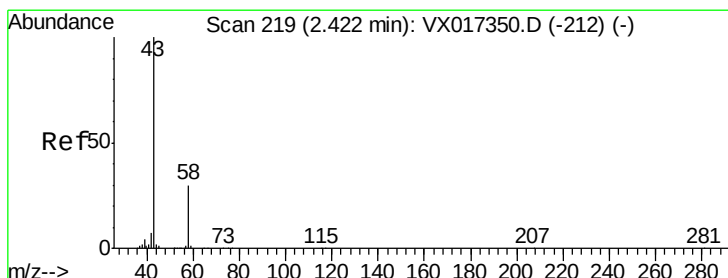
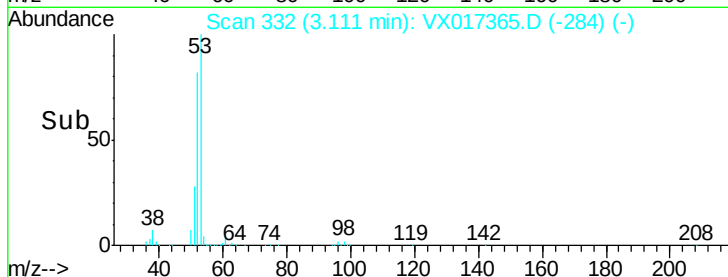
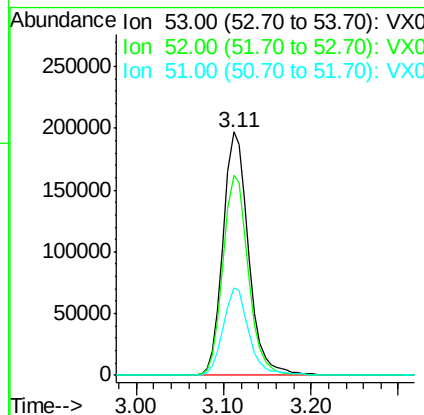
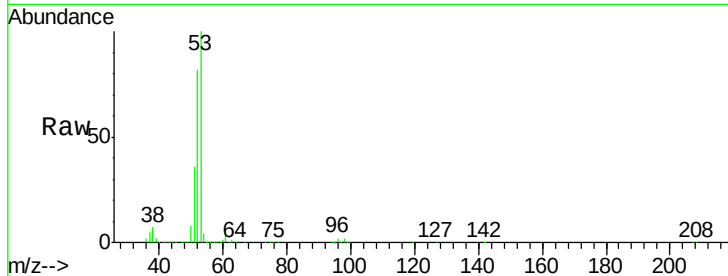
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	399363
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.8	98.6
51	36.2	29.2	43.8

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#16

Acetone

Concen: 212.059 ug/l

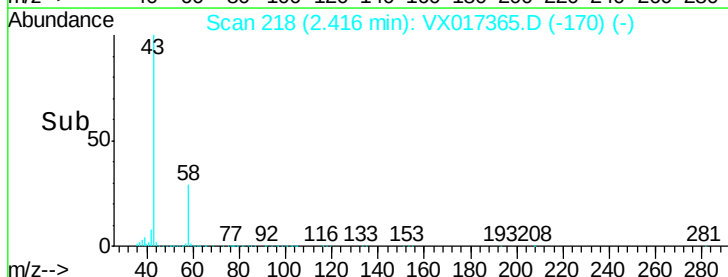
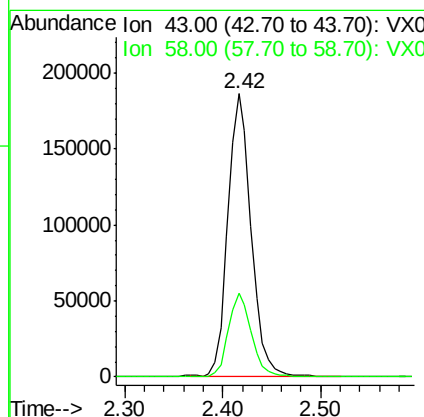
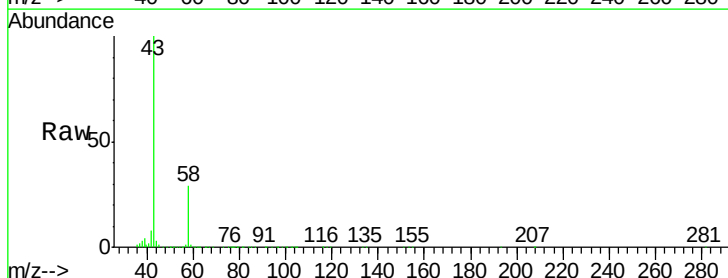
RT: 2.42 min Scan# 218

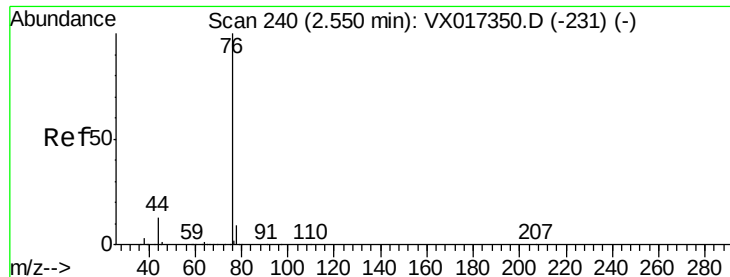
Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	43	Resp:	305525
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.2	36.2





#17

Carbon Disulfide

Concen: 49.962 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 426780

Ion Ratio Lower Upper

76 100

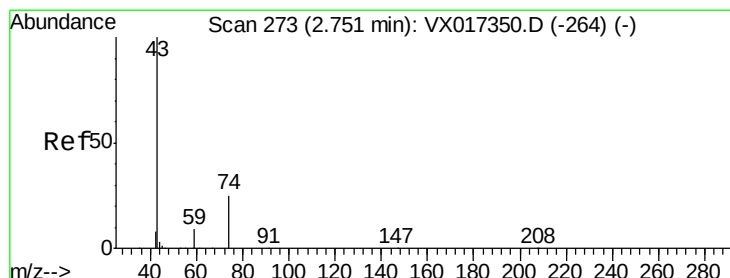
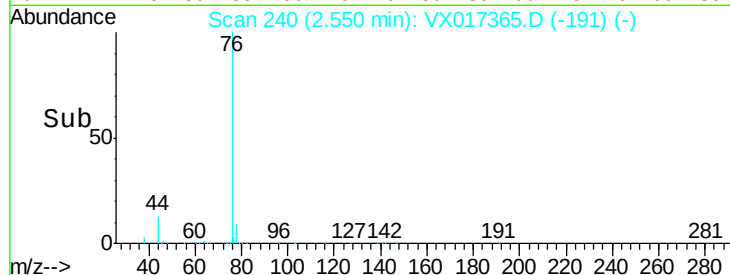
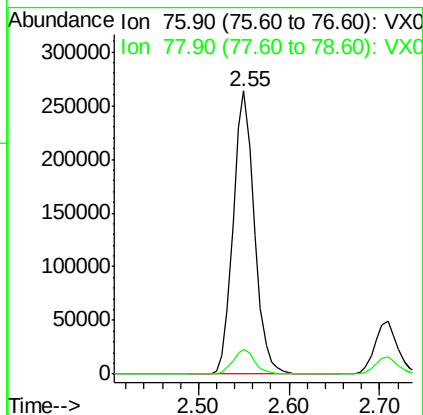
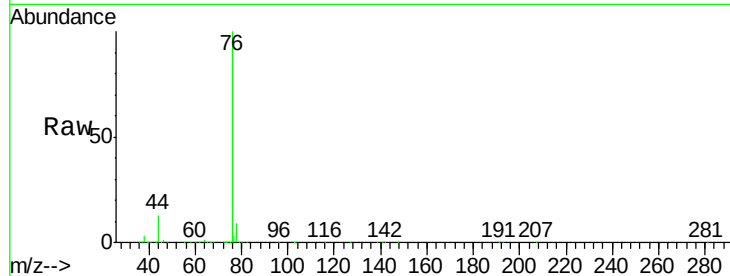
78 8.8 7.3 10.9

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#18

Methyl Acetate

Concen: 47.306 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017365.D

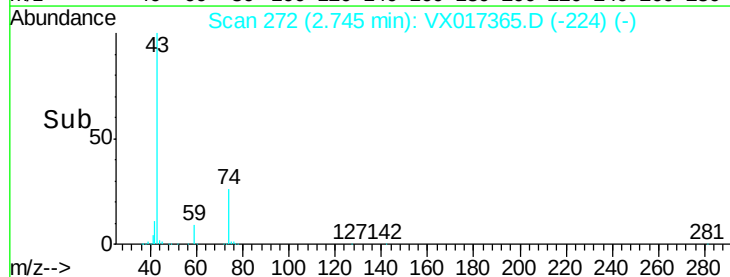
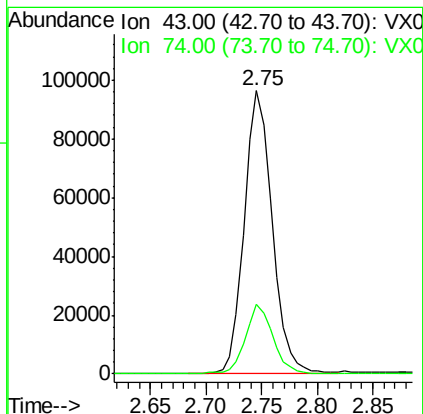
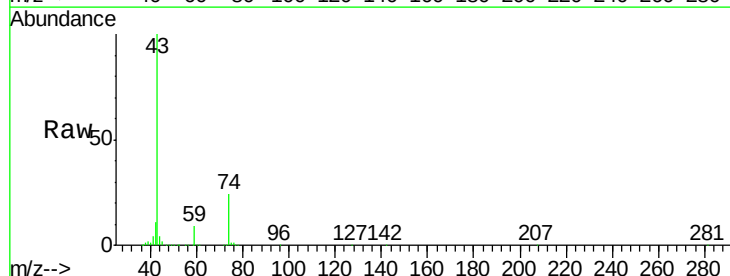
Acq: 14 Jul 2020 09:32

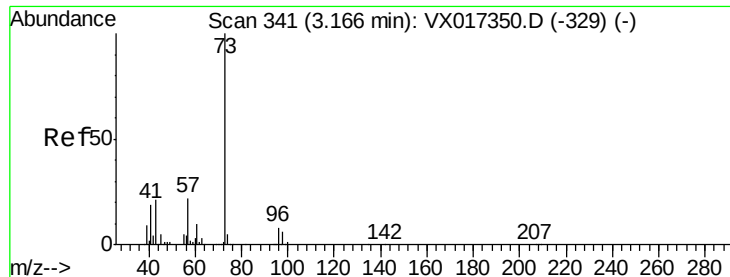
Tgt Ion: 43 Resp: 168340

Ion Ratio Lower Upper

43 100

74 24.4 19.4 29.2





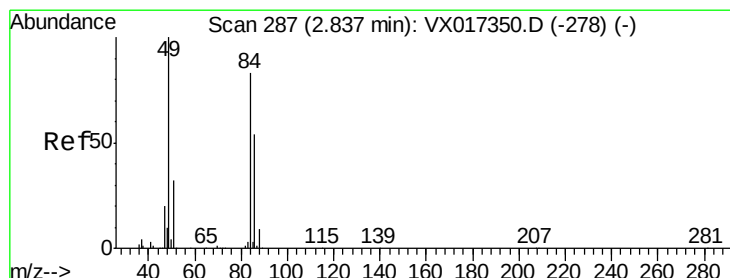
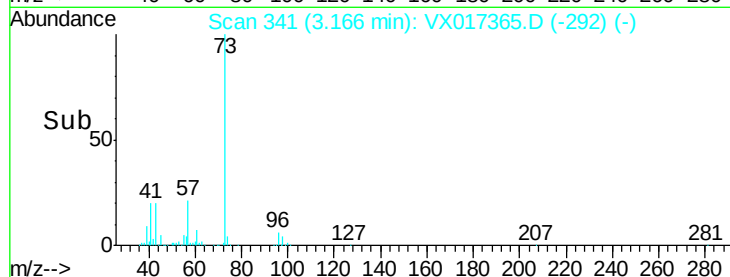
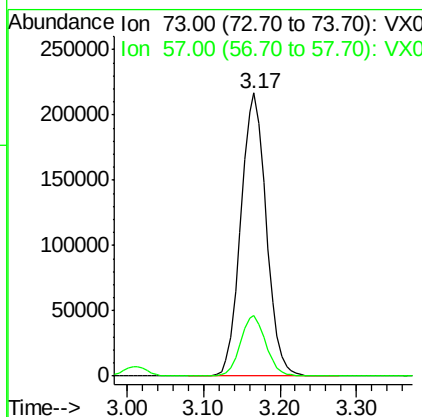
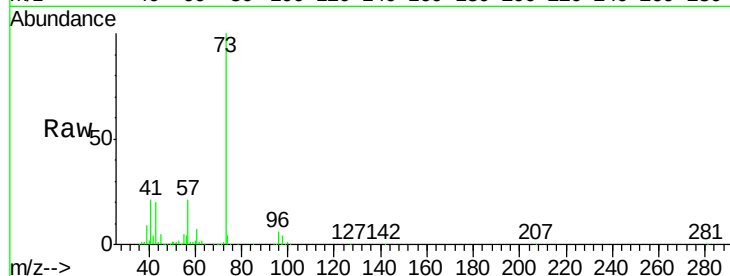
#19
Methyl tert-butyl Ether
Concen: 50.274 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.5	26.3

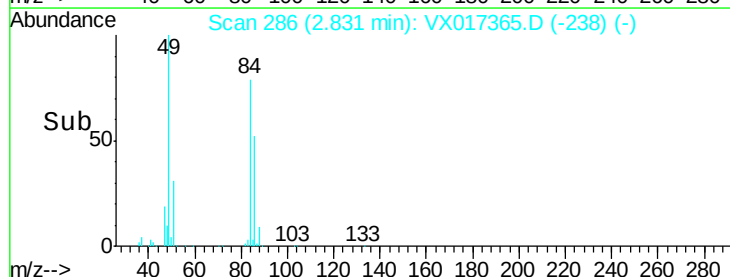
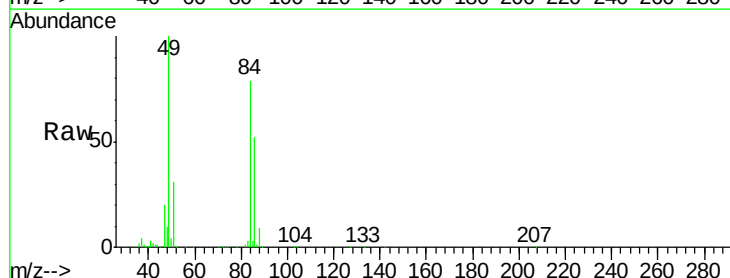
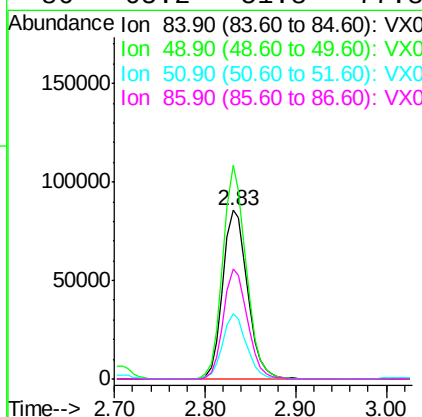
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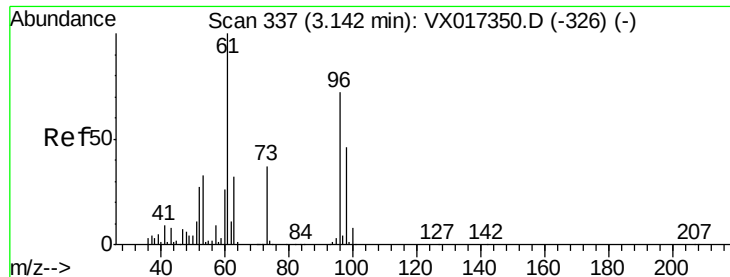
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#20
Methylene Chloride
Concen: 46.407 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	95.8	143.8
51	38.7	31.0	46.4
86	65.2	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 48.771 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

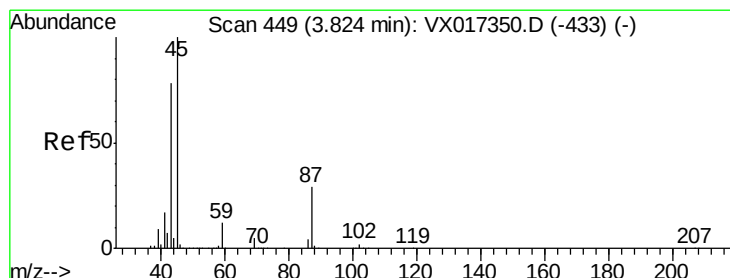
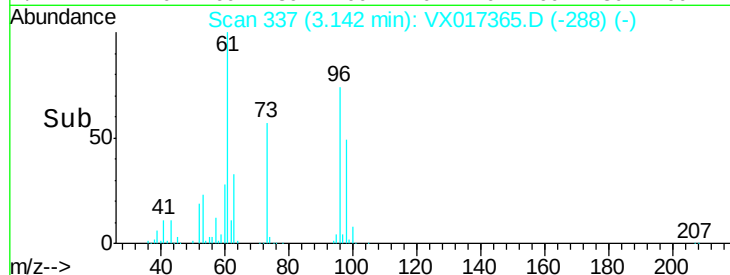
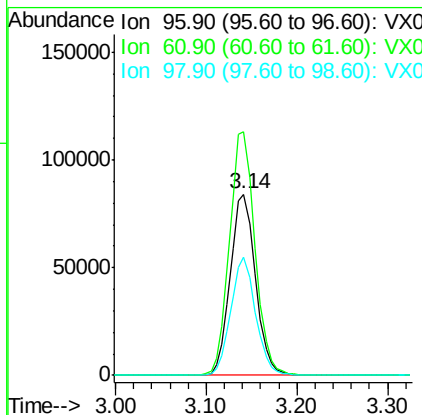
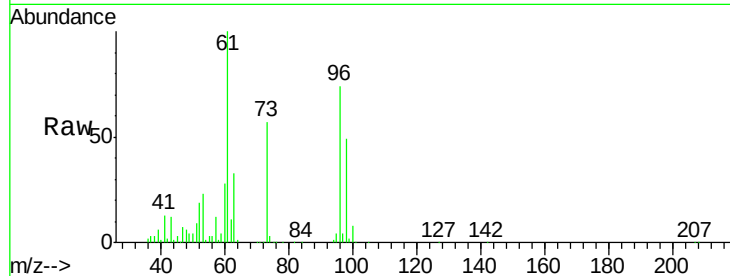
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	163394
Ion	Ratio	Lower	Upper
96	100		
61	134.4	111.1	166.7
98	65.2	51.4	77.0

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#22

Diisopropyl ether

Concen: 50.697 ug/l

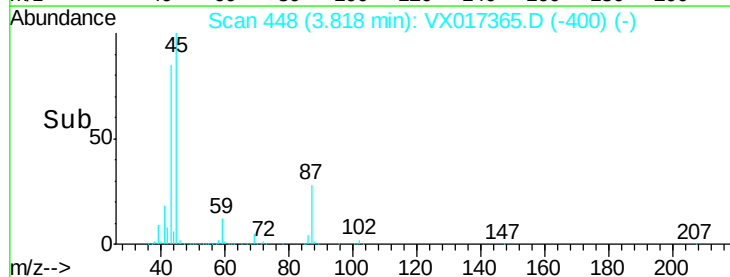
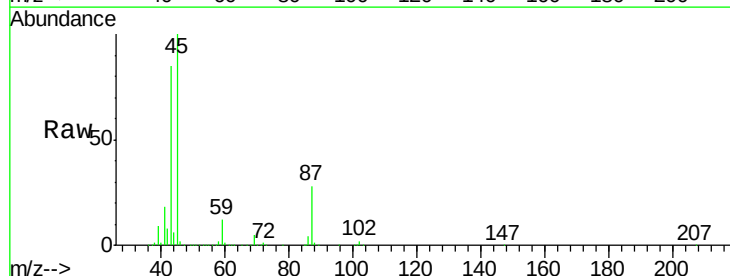
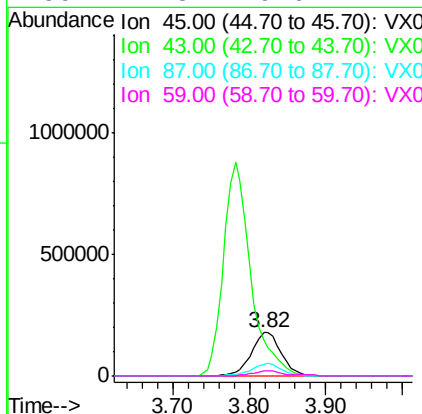
RT: 3.82 min Scan# 448

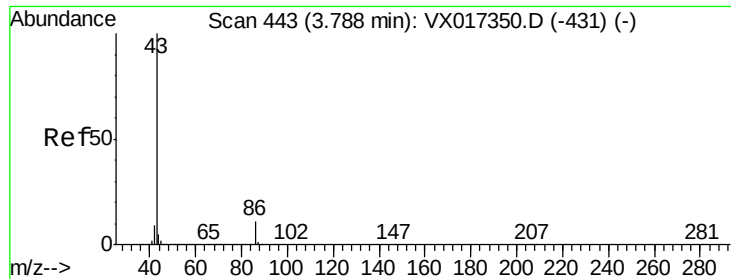
Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	45	Resp:	489984
Ion	Ratio	Lower	Upper
45	100		
43	84.6	62.2	93.2
87	28.2	23.0	34.6
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 256.036 ug/l

RT: 3.78 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2176302

Ion Ratio Lower Upper

43 100

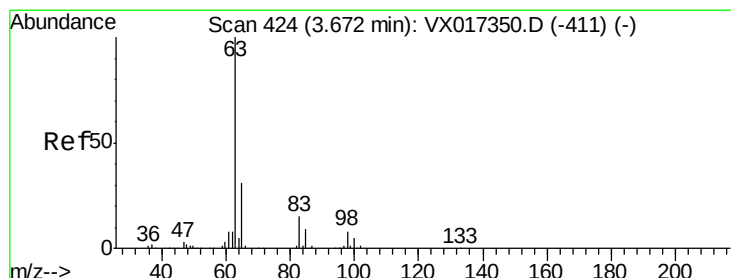
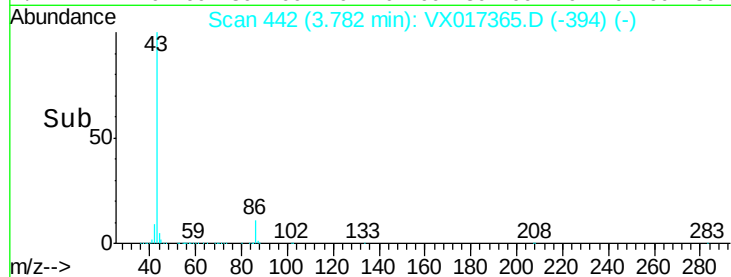
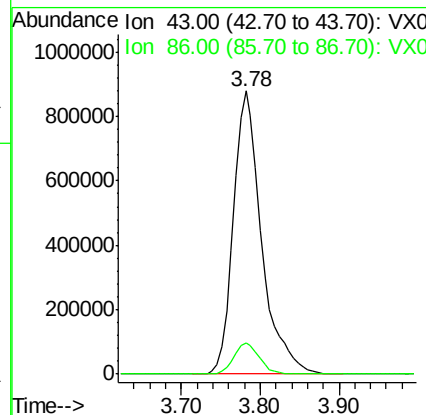
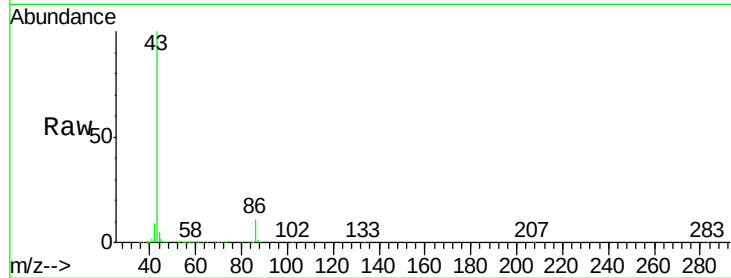
86 11.1 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 49.401 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

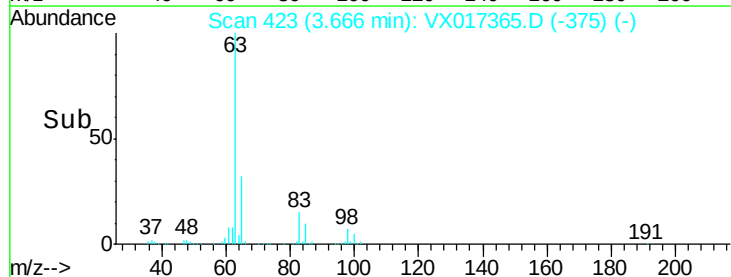
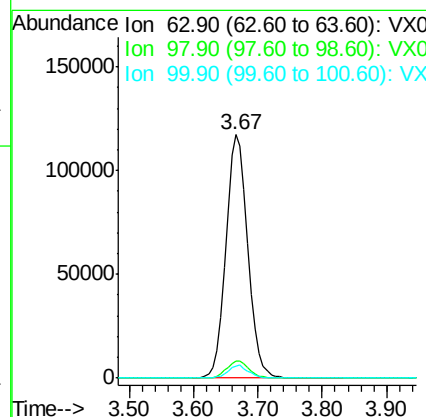
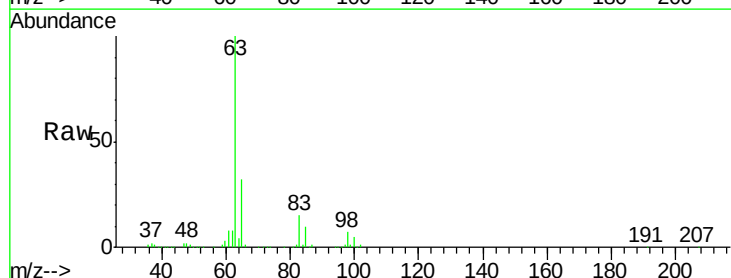
Tgt Ion: 63 Resp: 280599

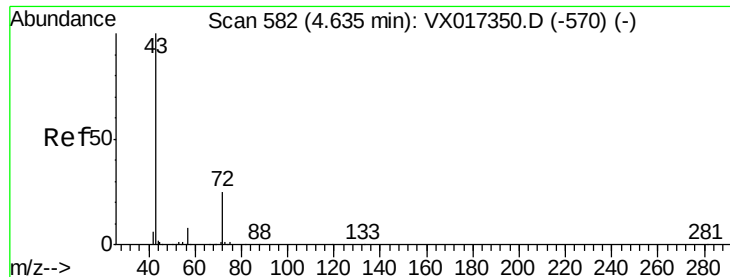
Ion Ratio Lower Upper

63 100

98 7.1 3.9 11.5

100 4.8 2.5 7.5





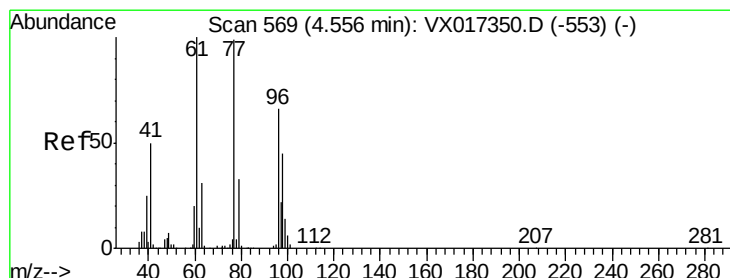
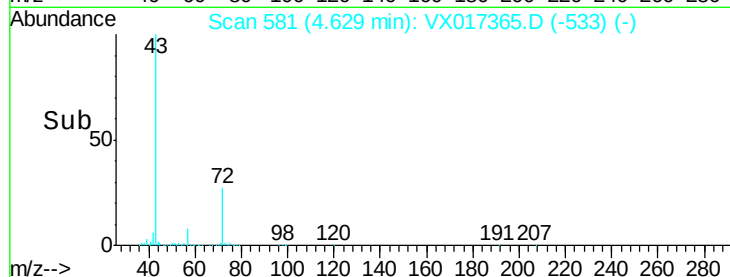
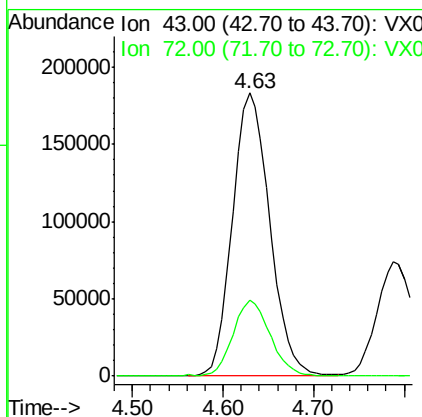
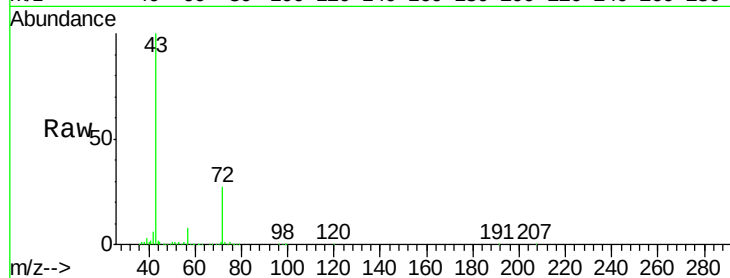
#25
2-Butanone
Concen: 228.153 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.7	20.4	30.6

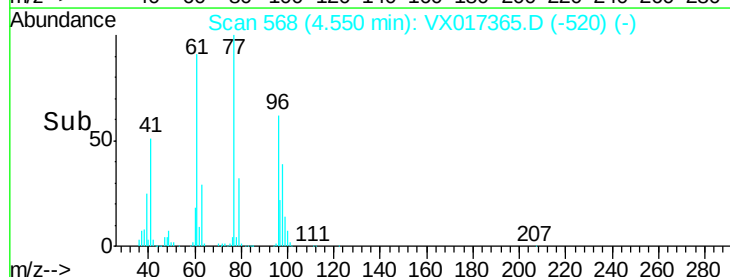
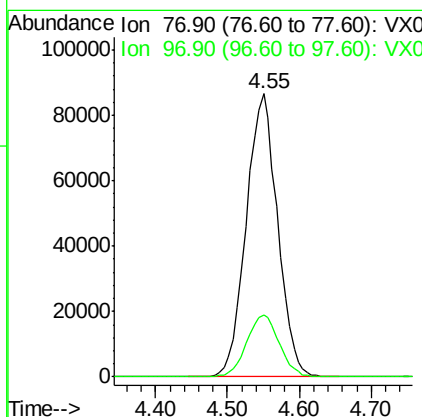
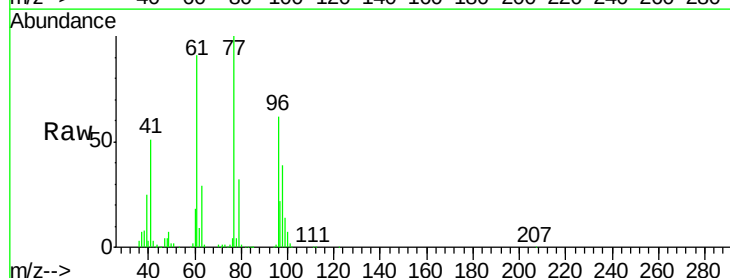
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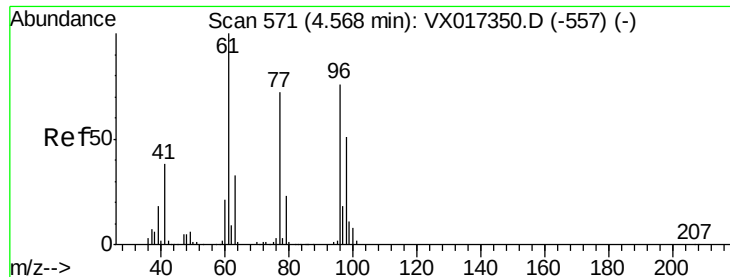
MMDadoda
7/15/2020 11:43:00 AM



#26
2,2-Dichloropropane
Concen: 49.596 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.1	33.3





#27

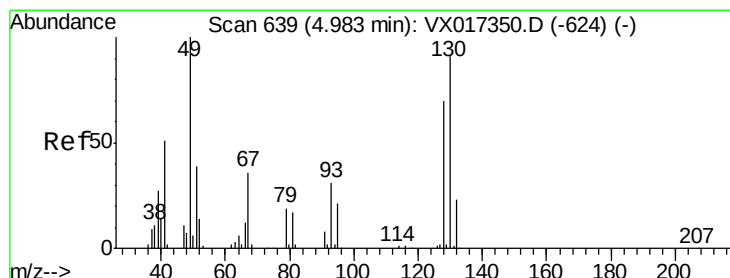
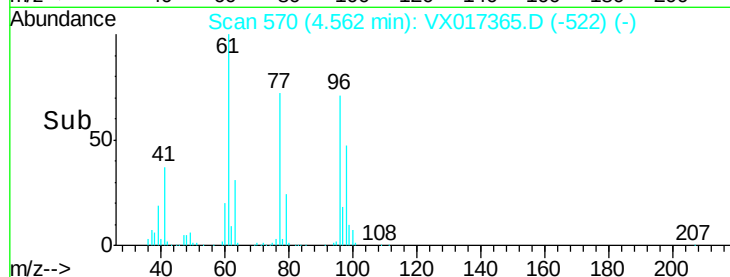
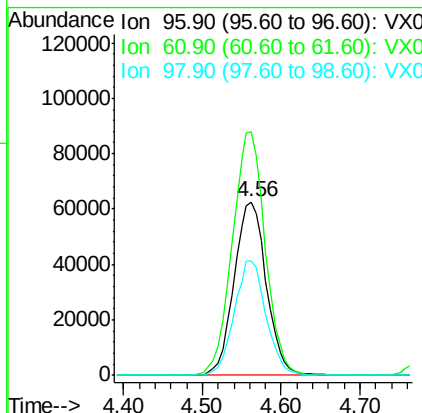
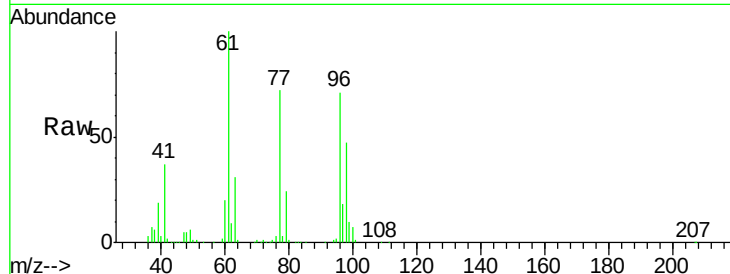
cis-1,2-Dichloroethene
Concen: 48.307 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.6	0.0	281.2	
98	65.3	0.0	131.4	

Manual Integrations
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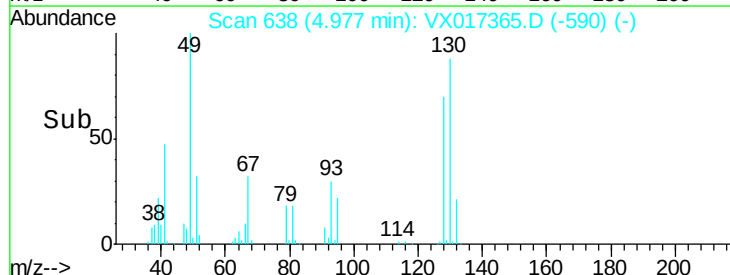
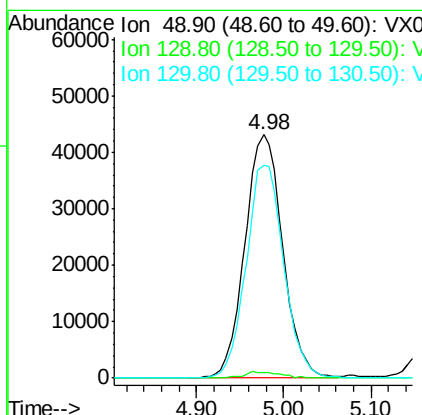
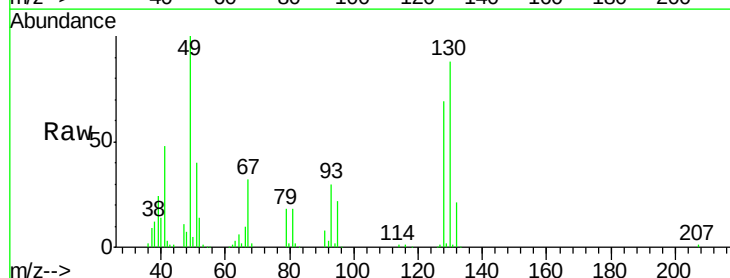
MMDadoda
7/15/2020 11:43:00 AM

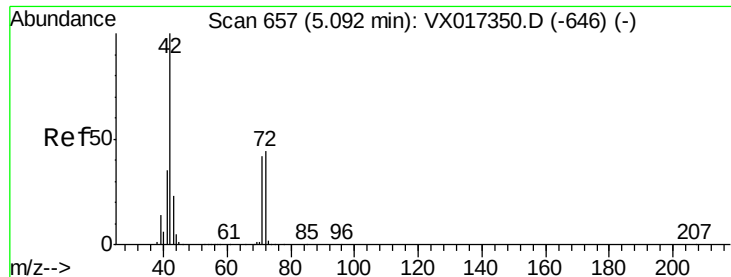


#28

Bromochloromethane
Concen: 49.477 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	4.8	
130	87.2	71.1	106.7	





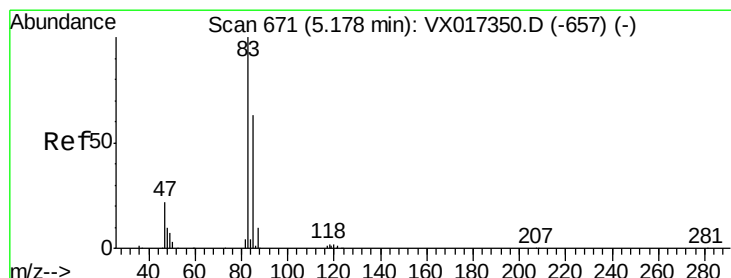
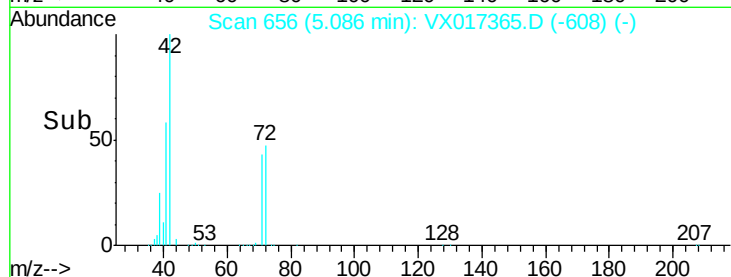
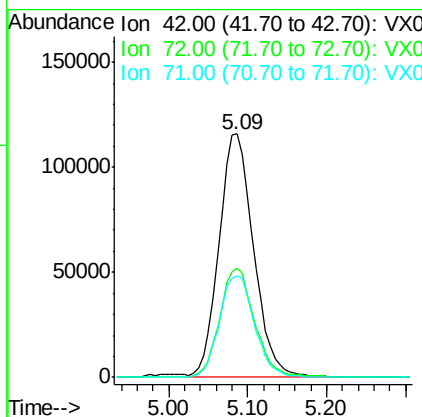
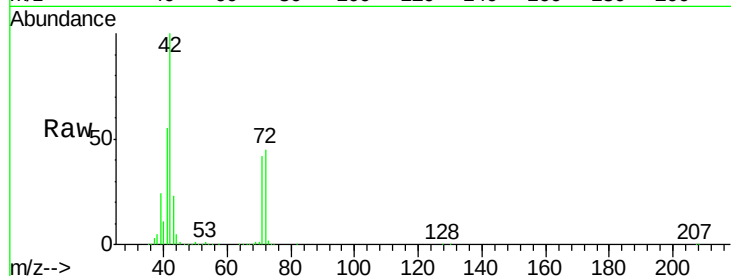
#29
Tetrahydrofuran
Concen: 237.531 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.2	55.8
71	42.6	34.4	51.6

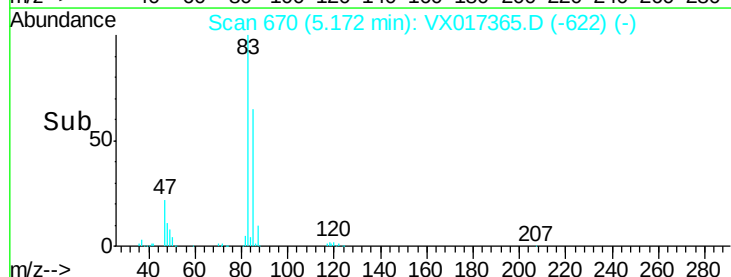
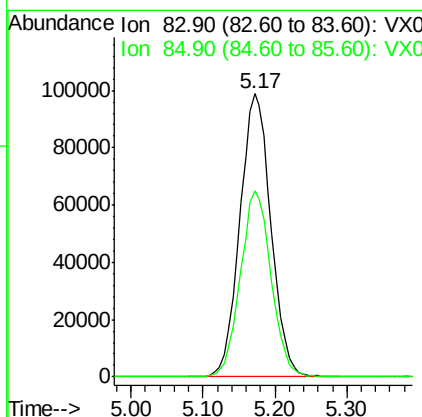
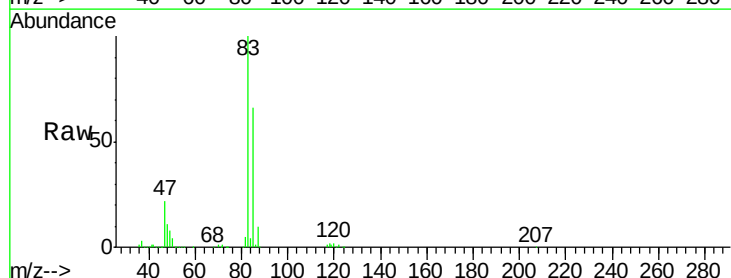
Manual Integrations
APPROVED

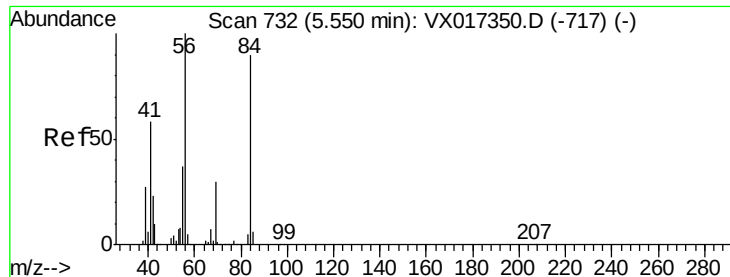
MMDadoda
7/15/2020 11:43:00 AM



#30
Chloroform
Concen: 48.227 ug/l
RT: 5.17 min Scan# 670
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.2	75.4





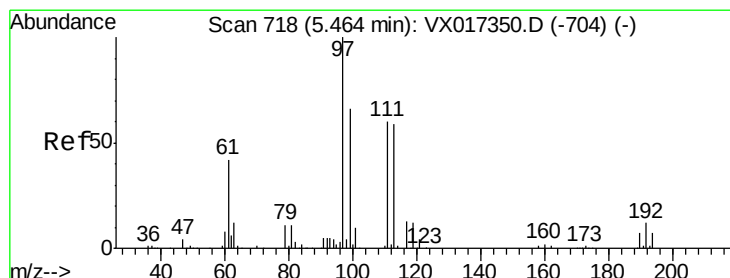
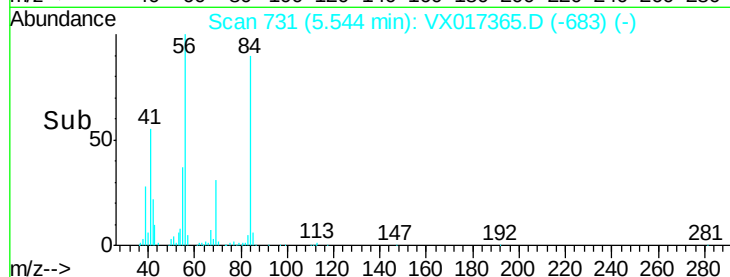
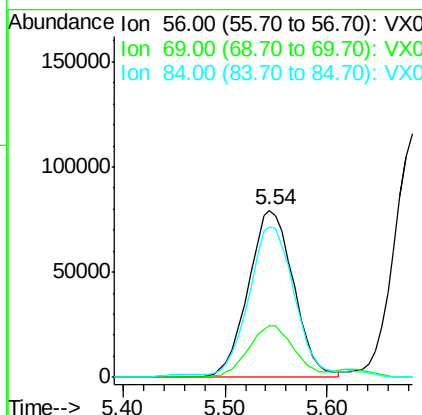
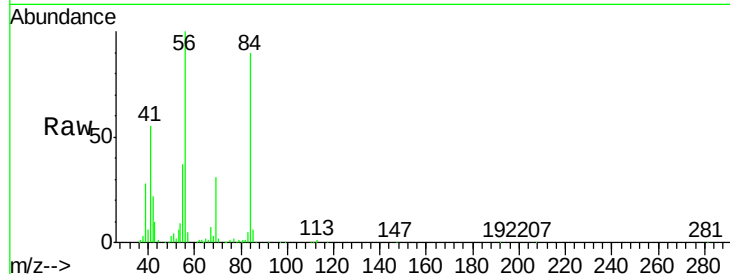
#31
Cyclohexane
Concen: 52.629 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.7	35.5
84	88.0	71.8	107.6

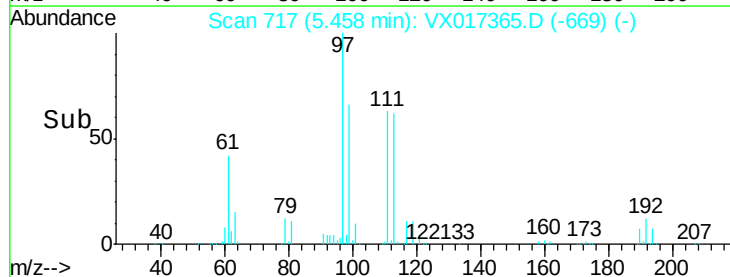
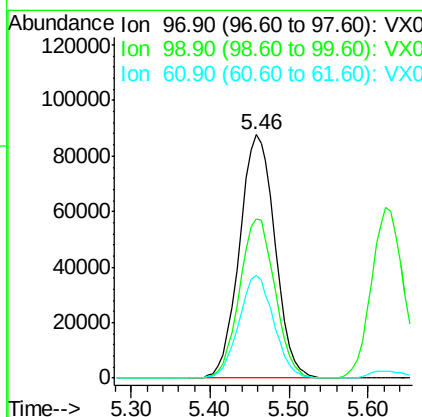
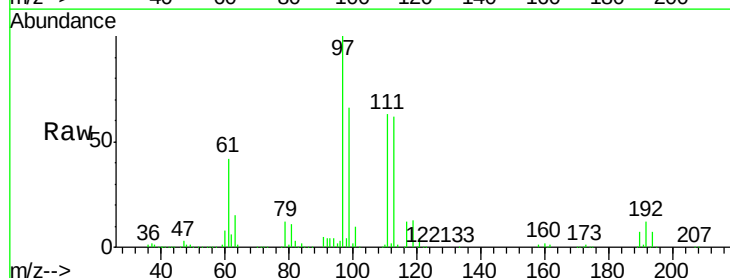
Manual Integrations
APPROVED

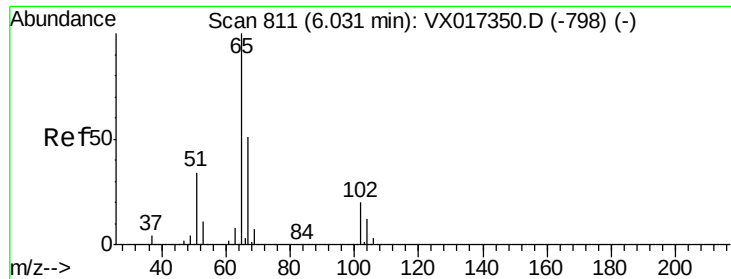
MMDadoda
7/15/2020 11:43:00 AM



#32
1,1,1-Trichloroethane
Concen: 48.435 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.2	76.8
61	41.6	32.7	49.1





#33

1,2-Dichloroethane-d4

Concen: 47.428 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 191536

Ion Ratio Lower Upper

65 100

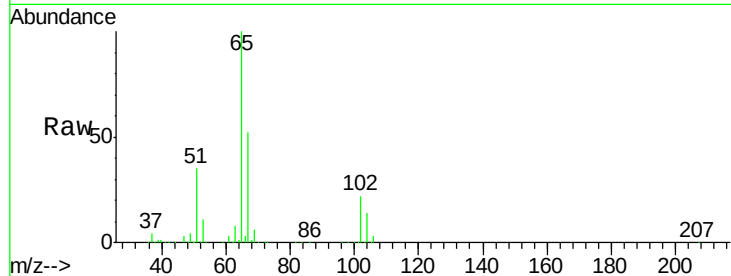
67 52.0 0.0 101.6

Manual Integrations

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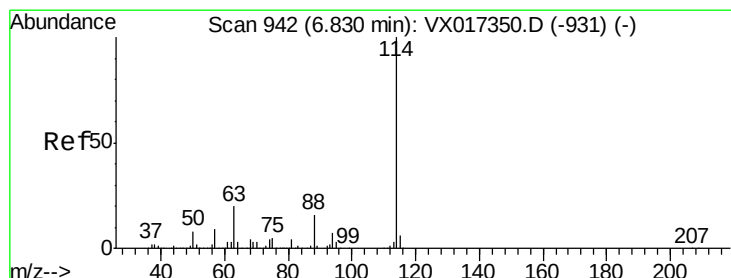
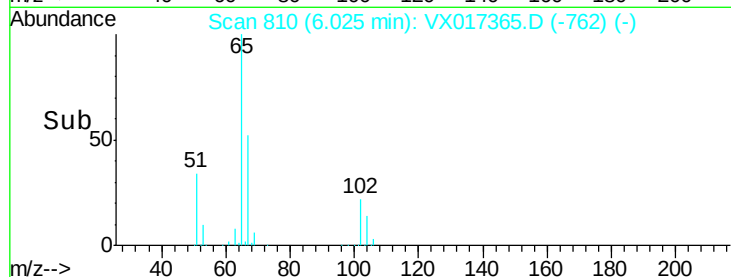
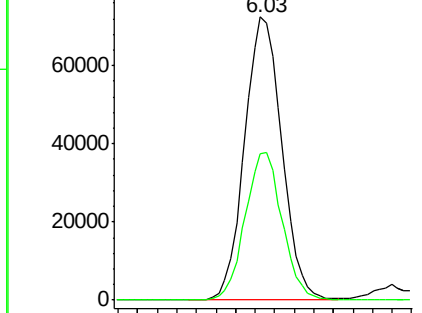
MMDadoda

7/15/2020 11:43:00 AM



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: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

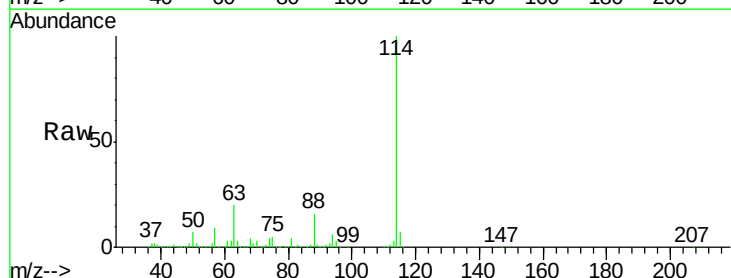
Tgt Ion: 114 Resp: 461177

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

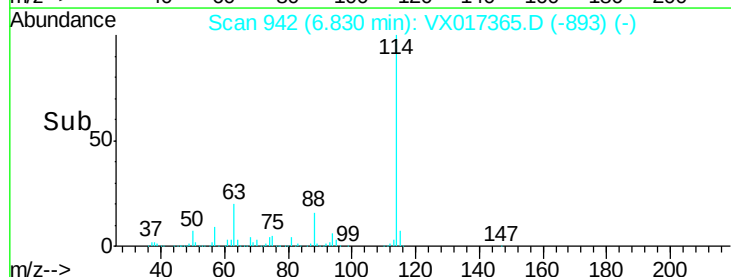
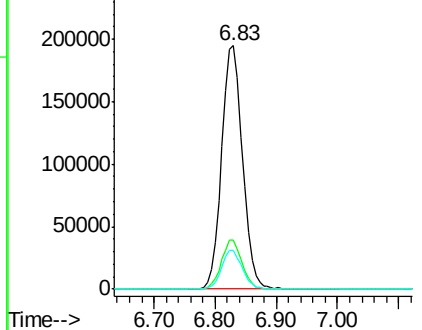
88 16.0 0.0 32.8

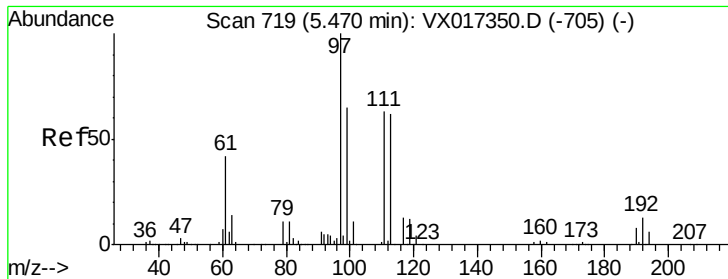


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.217 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

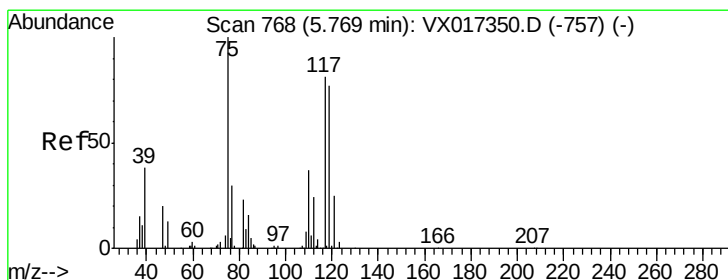
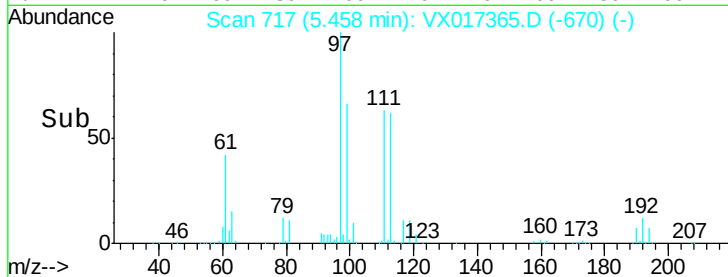
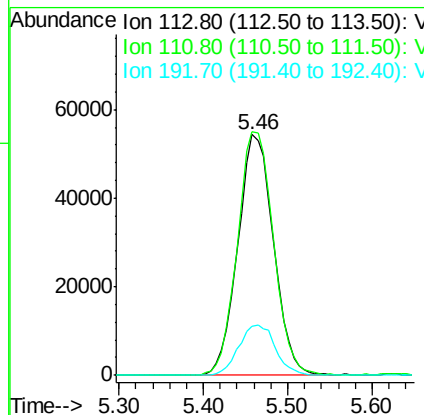
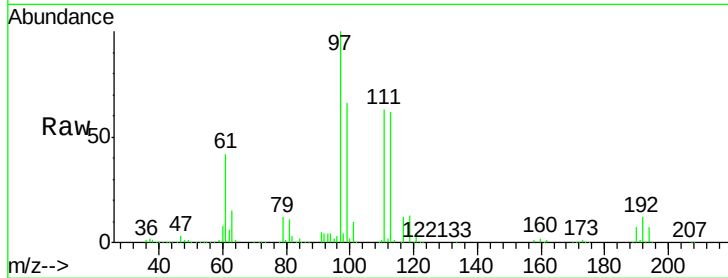
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156002		
111	102.2	82.4	123.6	
192	21.5	17.2	25.8	

Manual Integrations
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7/15/2020 11:43:00 AM



#36

1,1-Dichloropropene

Concen: 52.505 ug/l

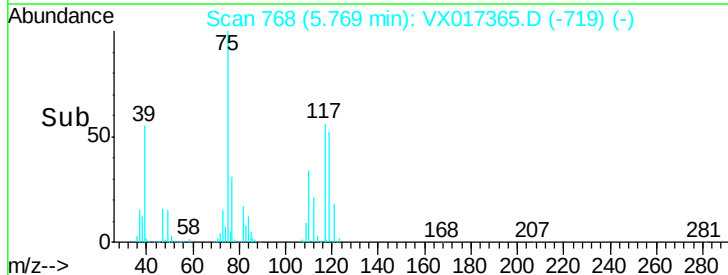
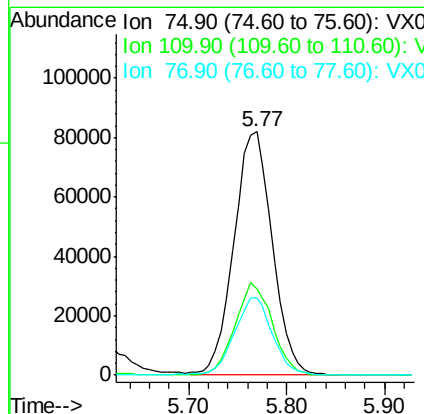
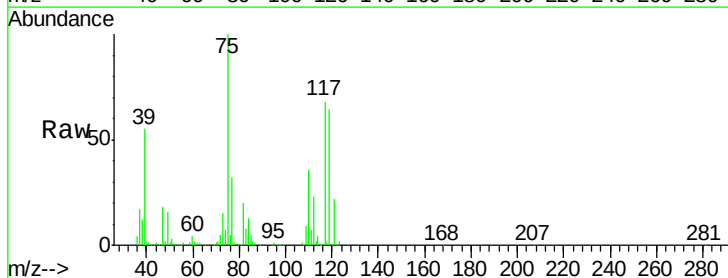
RT: 5.77 min Scan# 768

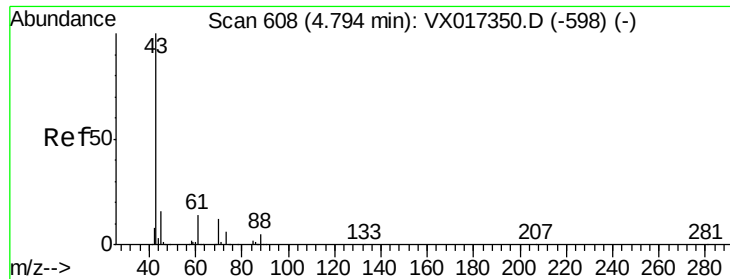
Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	222727		
110	36.9	18.6	55.8	
77	32.1	24.9	37.3	





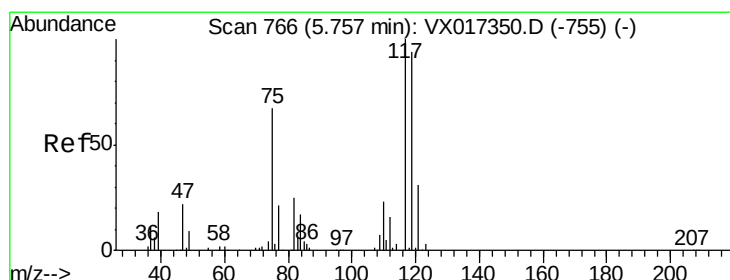
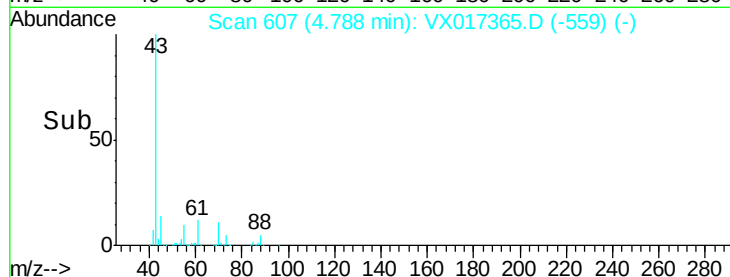
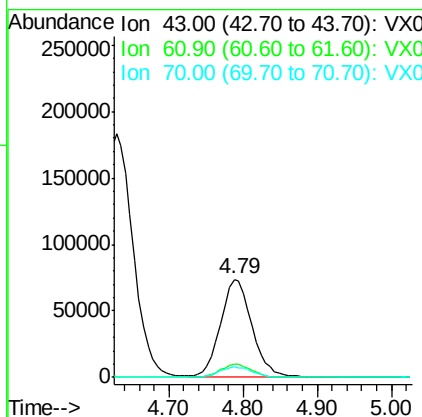
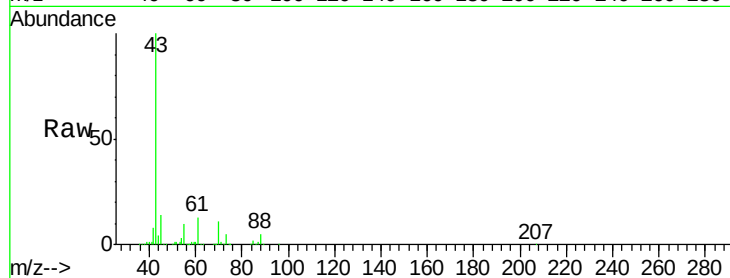
#37
Ethyl Acetate
Concen: 48.886 ug/l
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.7	16.1
70	11.0	9.0	13.6

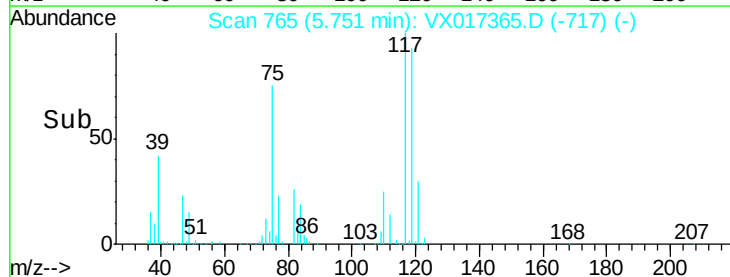
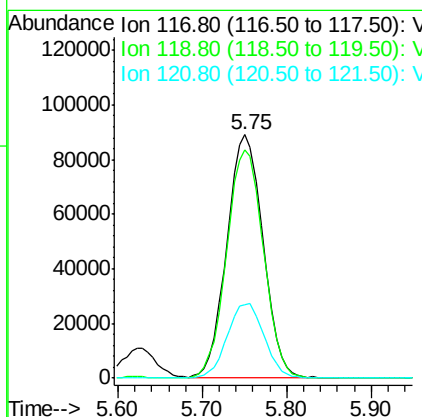
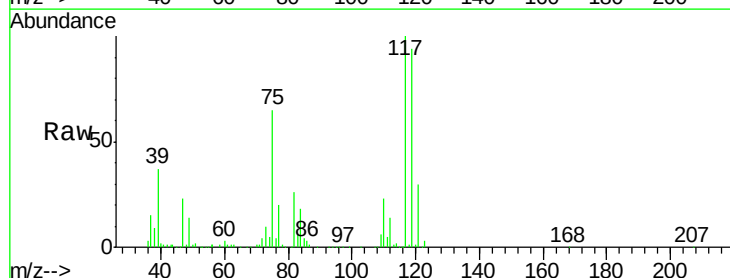
Manual Integrations
APPROVED

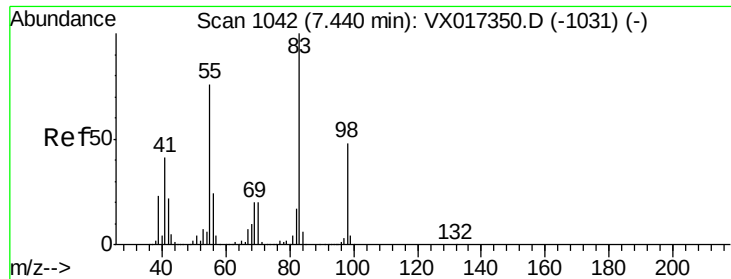
MMDadoda
7/15/2020 11:43:00 AM



#38
Carbon Tetrachloride
Concen: 52.230 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	74.7	112.1
121	30.3	24.5	36.7





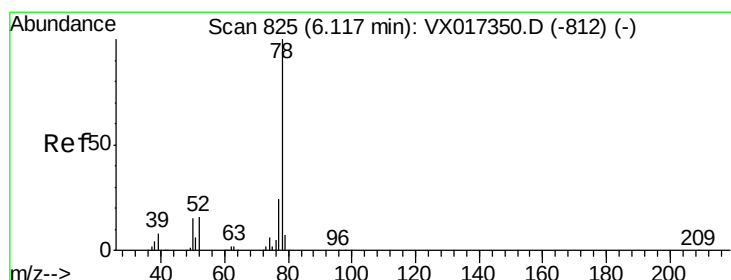
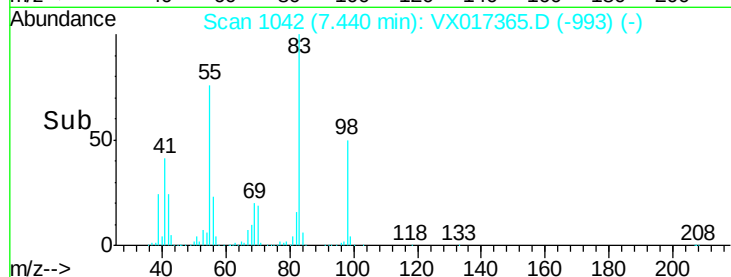
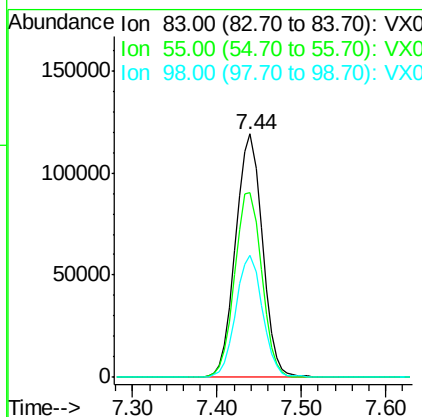
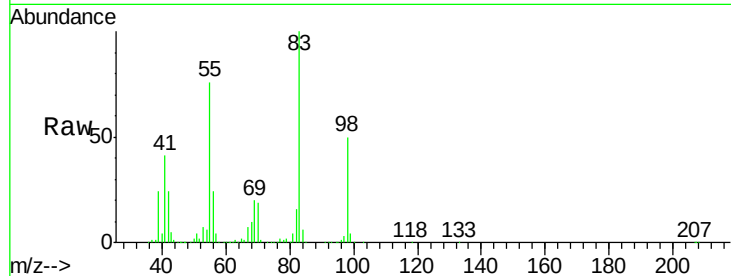
#39
Methylvlcyclohexane
Concen: 55.638 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	61.2	91.8
98	50.1	38.1	57.1

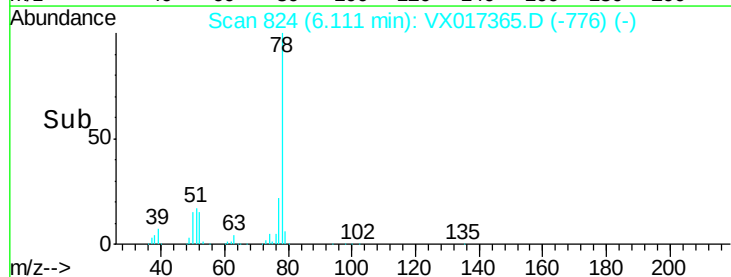
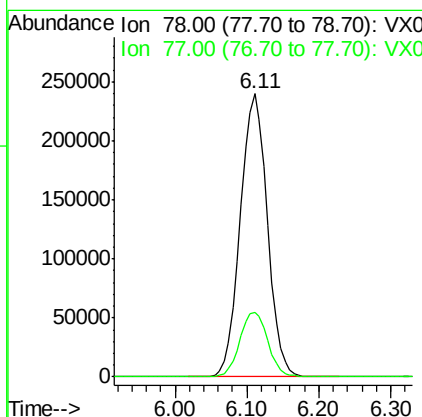
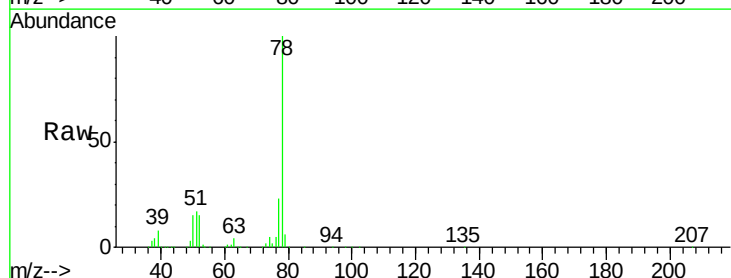
Manual Integrations
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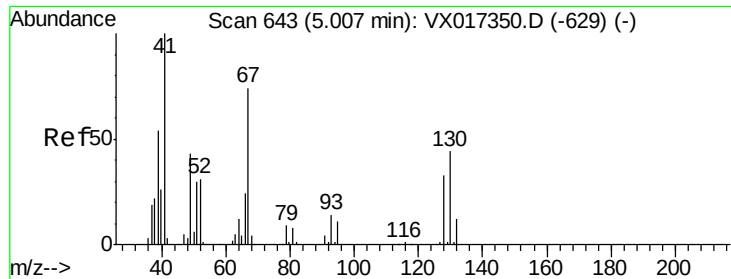
MMDadoda
7/15/2020 11:43:00 AM



#40
Benzene
Concen: 51.335 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





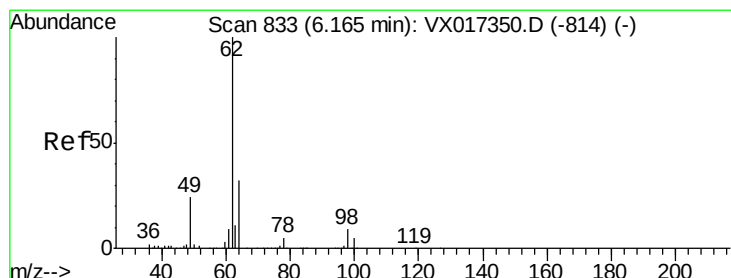
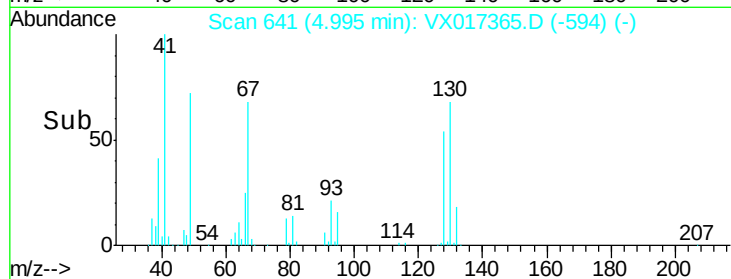
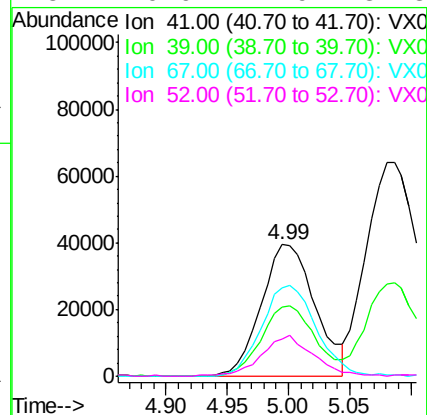
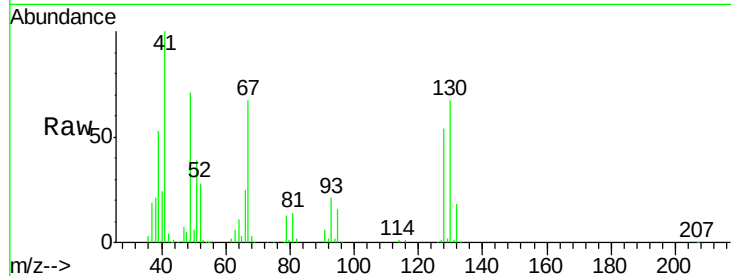
#41
Methacrylonitrile
Concen: 51.172 ug/l
RT: 4.99 min Scan# 641
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		120515		
39	53.9	43.8	65.8		
67	71.0	58.7	88.1		
52	29.9	24.9	37.3		

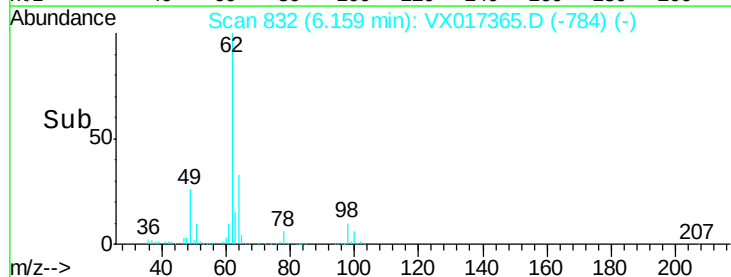
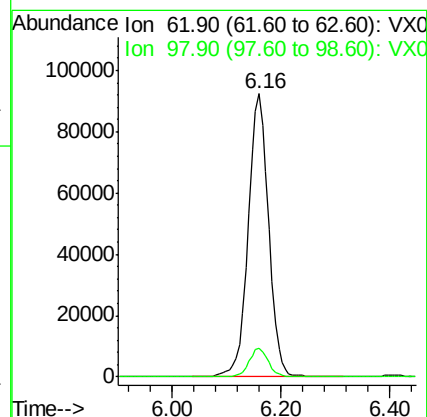
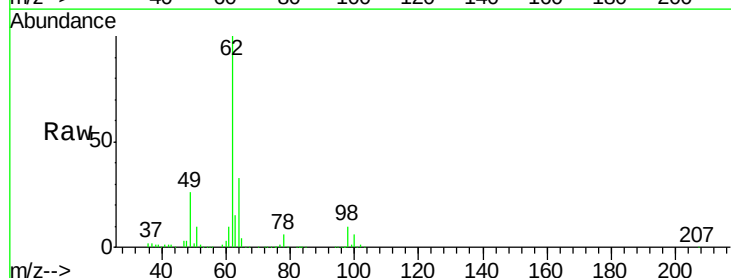
Manual Integrations
APPROVED

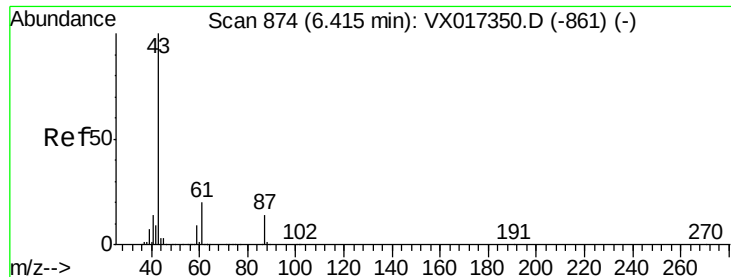
MMDadoda
7/15/2020 11:43:00 AM



#42
1,2-Dichloroethane
Concen: 50.752 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		240389		
98	9.4	0.0	19.4		





#43

Isopropyl Acetate

Concen: 49.749 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

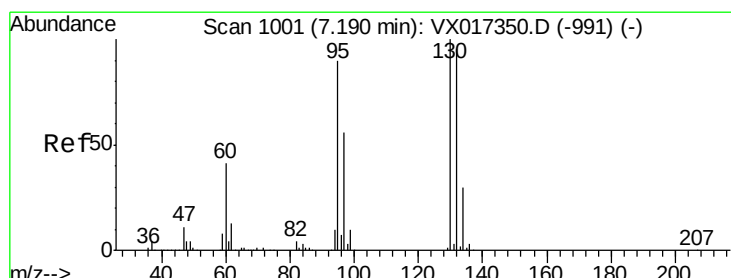
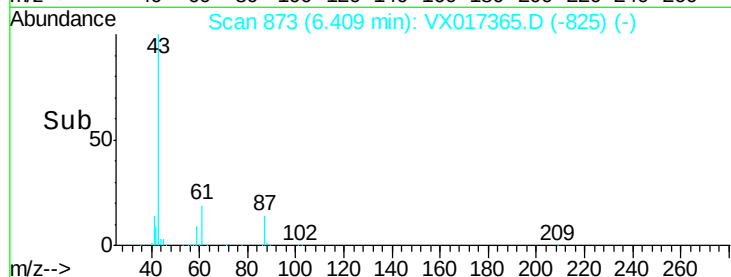
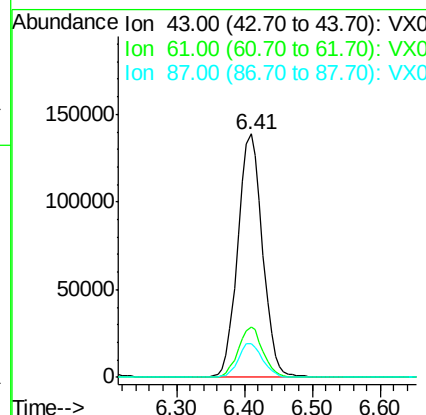
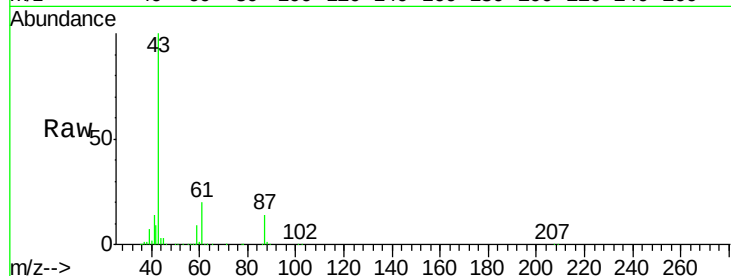
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	348738
Ion	Ratio	Lower	Upper
43	100		
61	20.6	16.4	24.6
87	13.9	11.2	16.8

Manual Integrations
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#44

Trichloroethene

Concen: 51.007 ug/l

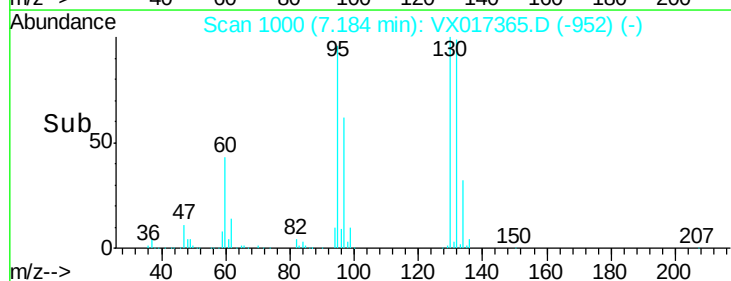
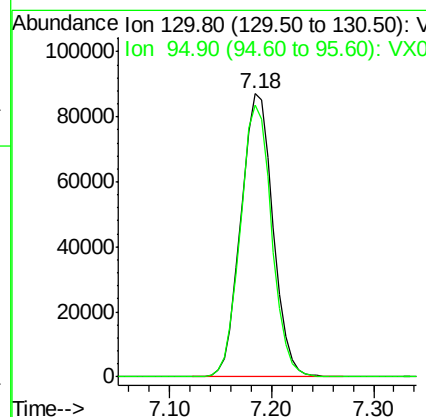
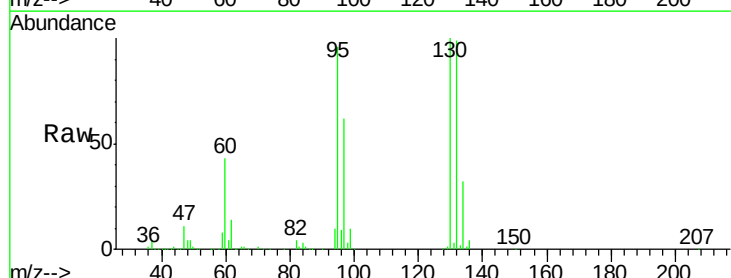
RT: 7.18 min Scan# 1000

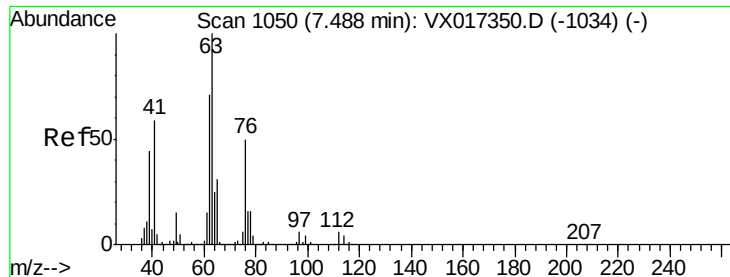
Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	130	Resp:	189938
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	180.2





#45

1,2-Dichloropropane

Concen: 52.250 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 162986

Ion Ratio Lower Upper

63 100

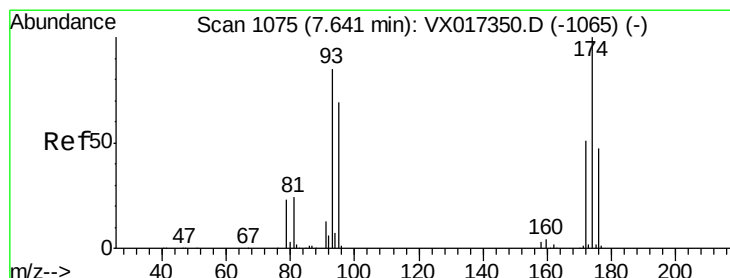
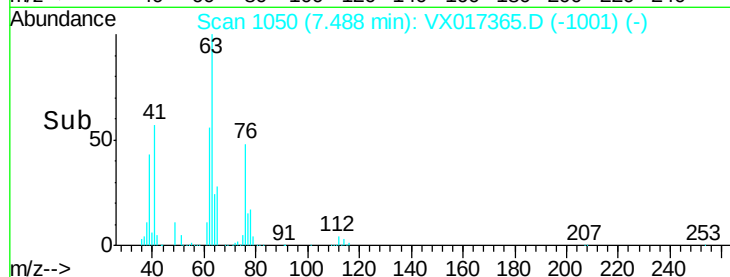
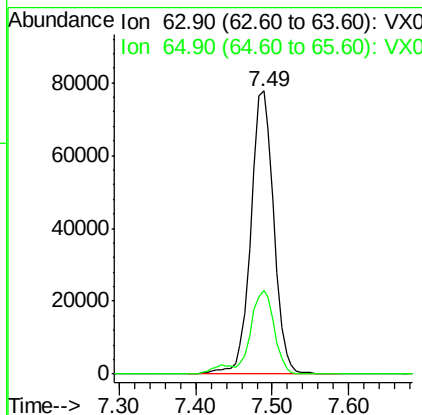
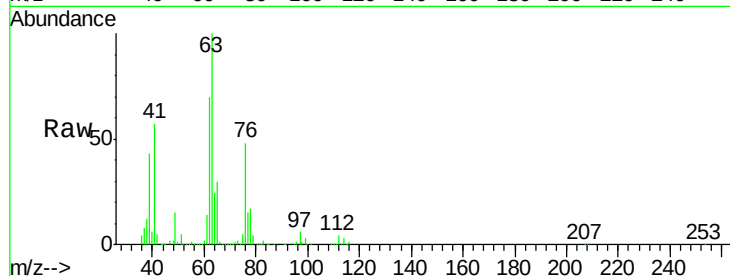
65 29.7 24.5 36.7

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#46

Dibromomethane

Concen: 51.065 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

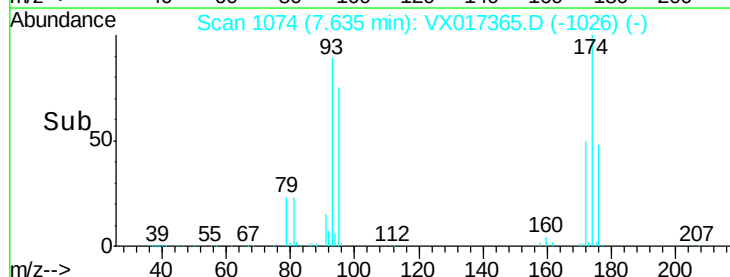
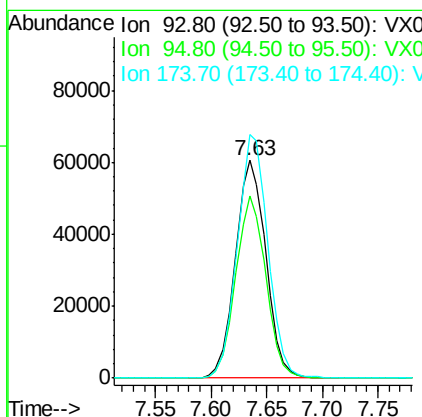
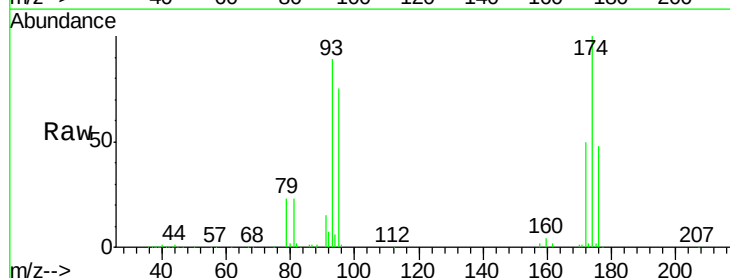
Tgt Ion: 93 Resp: 114881

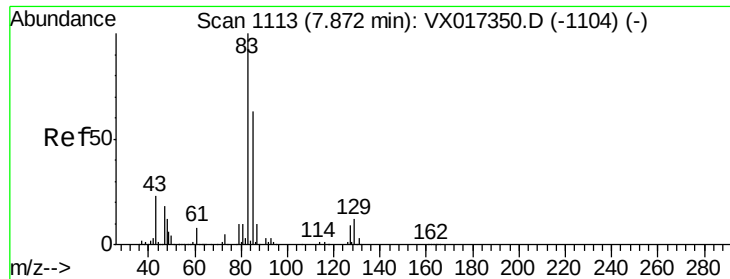
Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

174 112.6 91.2 136.8





#47

Bromodichloromethane

Concen: 51.157 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

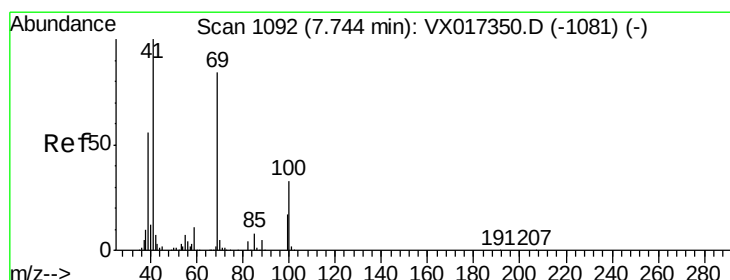
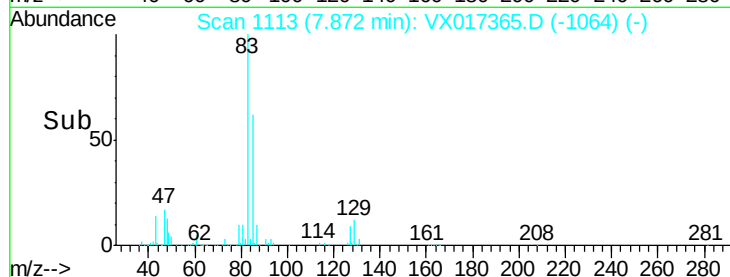
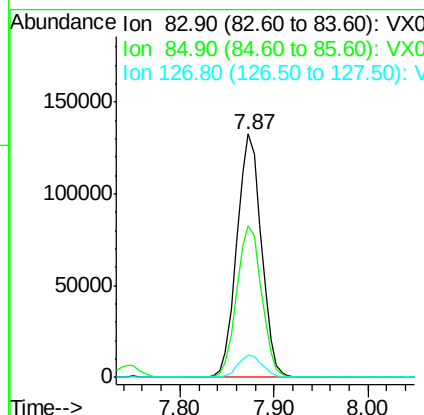
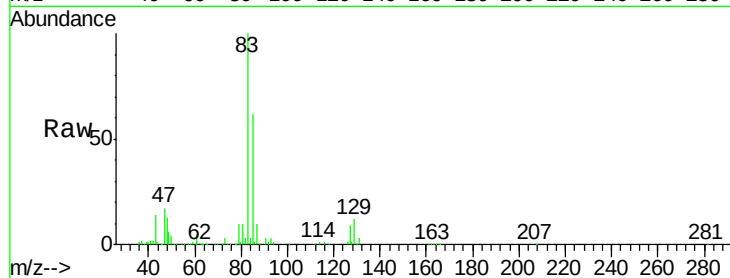
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	240613
Ion Ratio	Lower	Upper	
83	100		
85	62.2	50.2	75.4
127	9.3	7.1	10.7

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#48

Methyl methacrylate

Concen: 51.619 ug/l

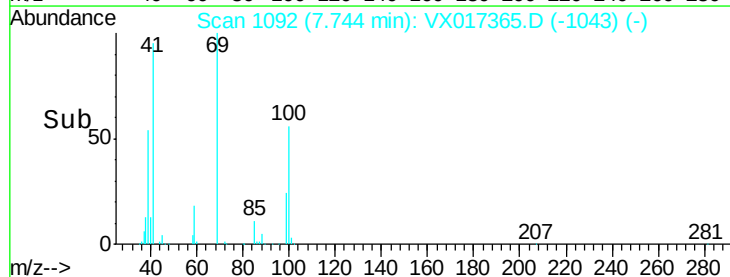
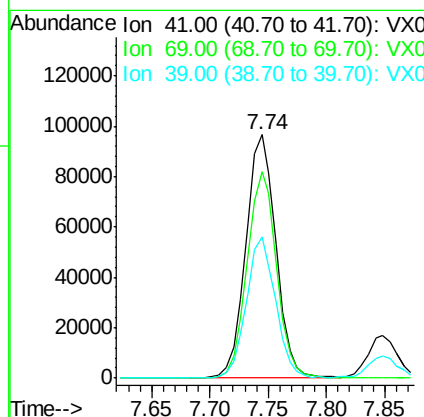
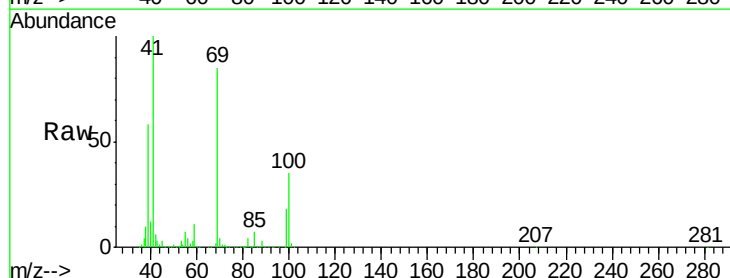
RT: 7.74 min Scan# 1092

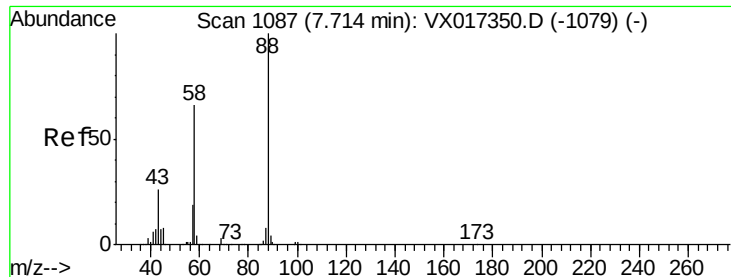
Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	41	Resp:	173641
Ion Ratio	Lower	Upper	
41	100		
69	83.8	67.8	101.6
39	56.6	45.1	67.7





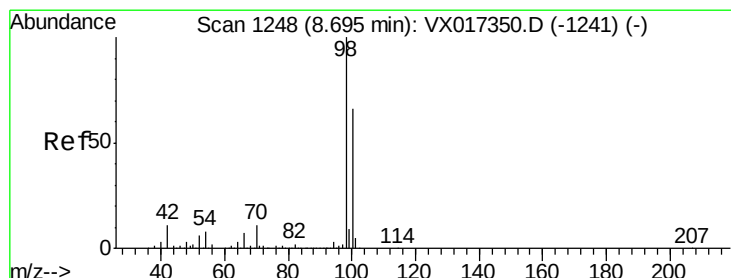
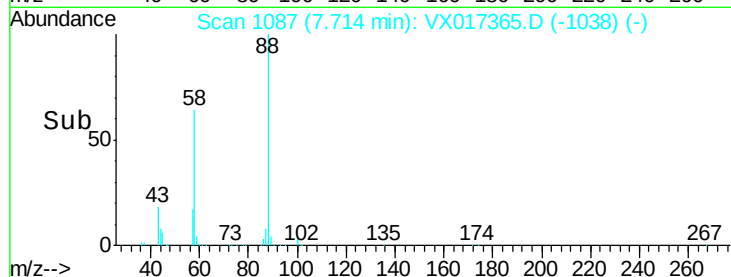
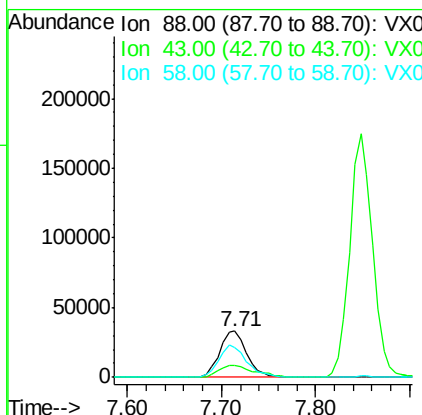
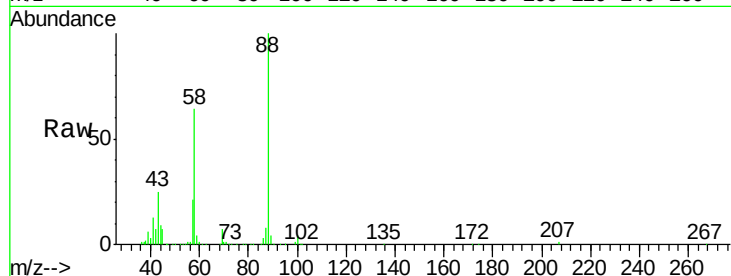
#49
1,4-Dioxane
Concen: 976.480 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	25.6	38.4
58	70.7	53.9	80.9

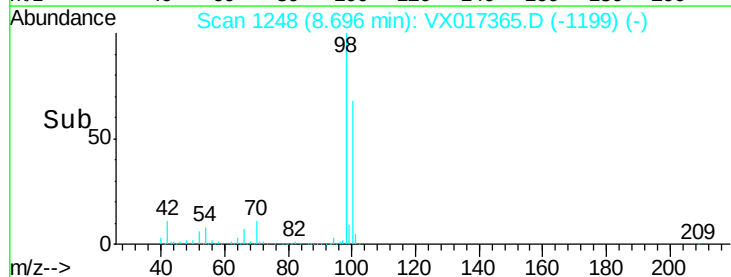
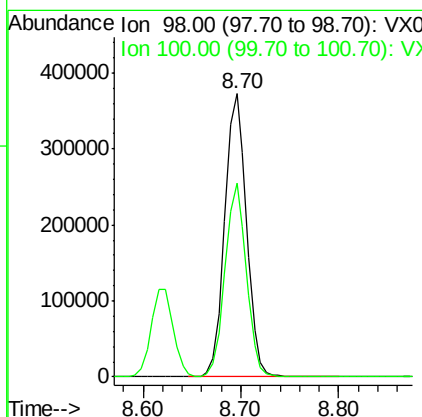
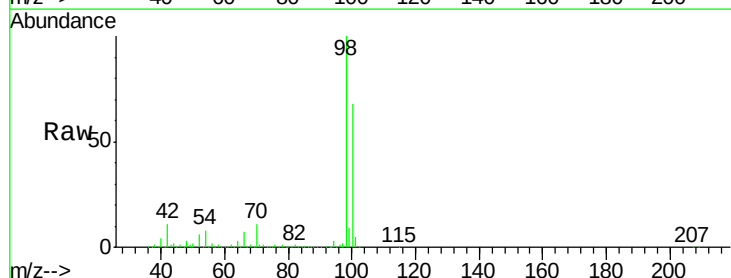
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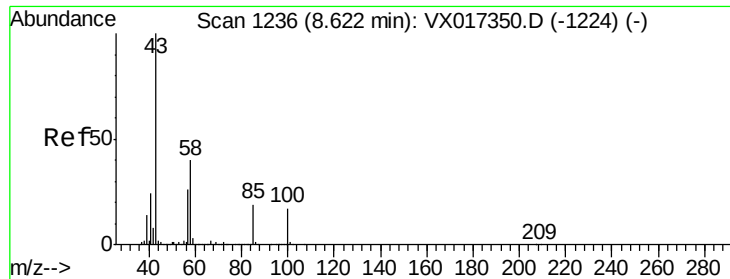
MMDadoda
7/15/2020 11:43:00 AM



#50
Toluene-d8
Concen: 51.228 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2





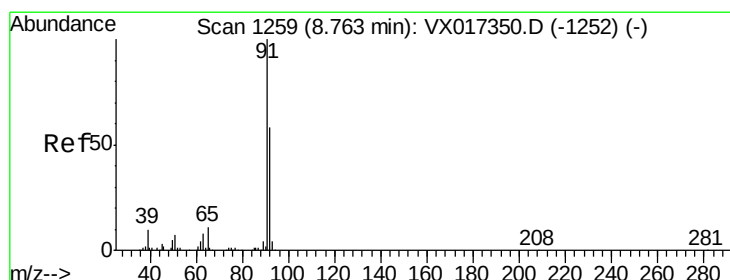
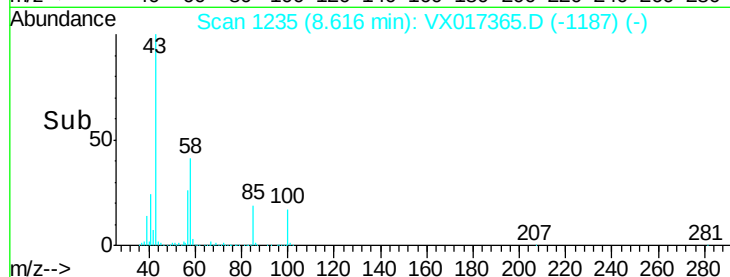
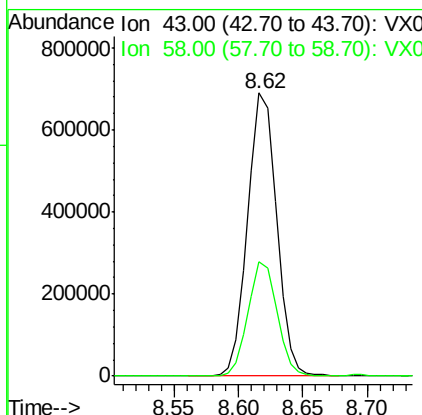
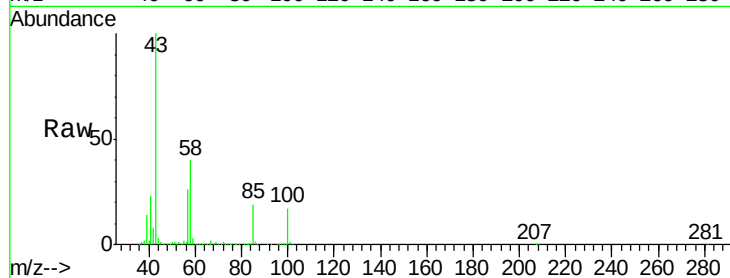
#51
4-Methyl-2-Pentanone
Concen: 251.451 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1074773
Ion Ratio Lower Upper
43 100
58 40.4 32.2 48.2

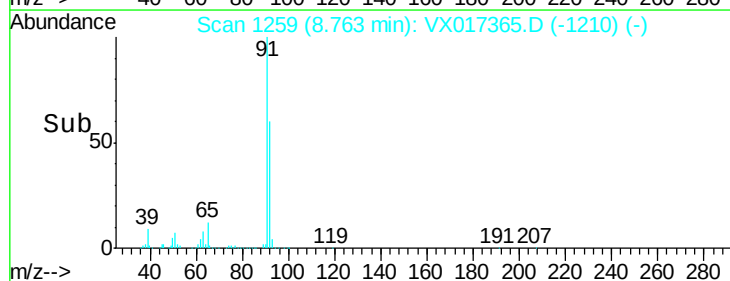
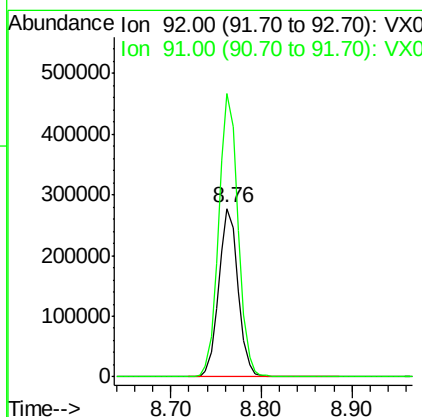
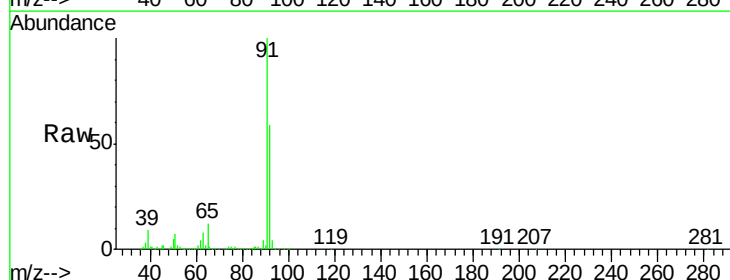
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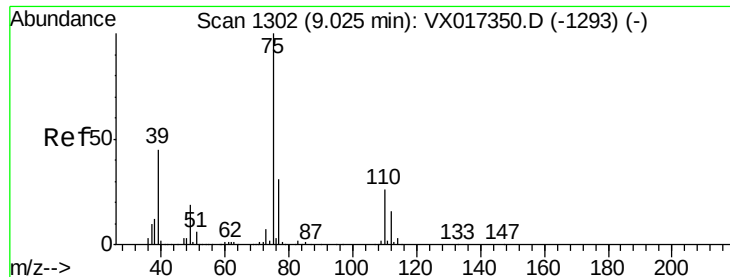
MMDadoda
7/15/2020 11:43:00 AM



#52
Toluene
Concen: 52.864 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion: 92 Resp: 413570
Ion Ratio Lower Upper
92 100
91 168.8 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 51.706 ug/l

RT: 9.02 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 261996

Ion Ratio Lower Upper

75 100

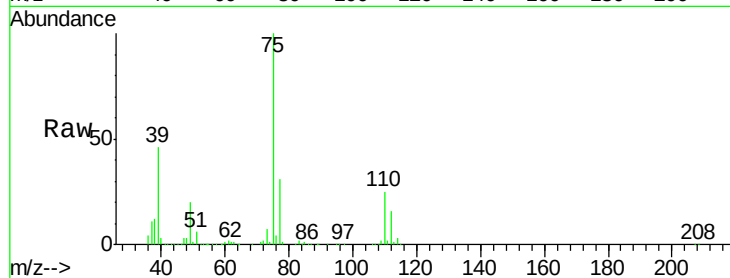
77 31.2 25.0 37.6

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.02

200000

150000

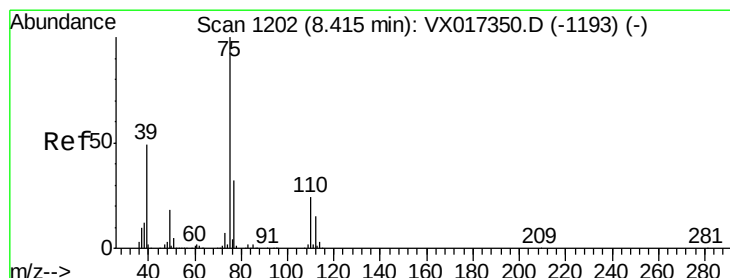
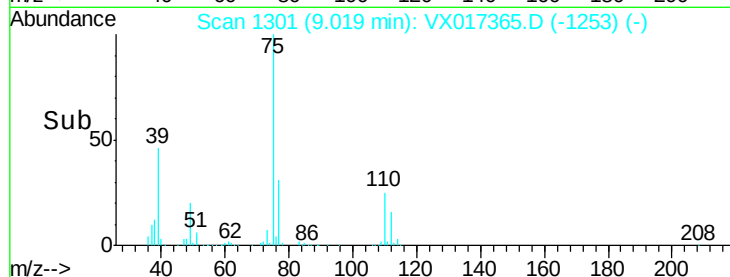
100000

50000

0

8.90 9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.854 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

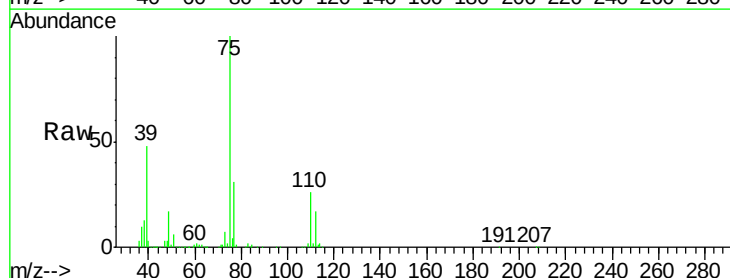
Tgt Ion: 75 Resp: 280241

Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 48.2 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.42

200000

150000

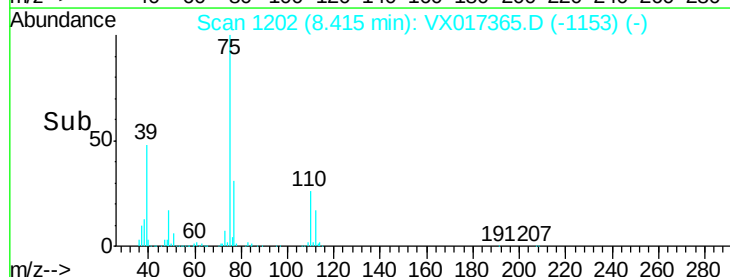
100000

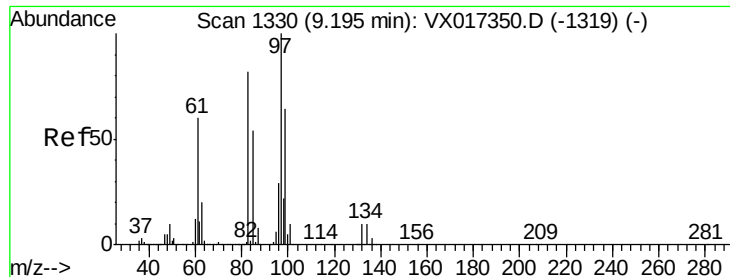
50000

0

8.30 8.40 8.50

Time-->





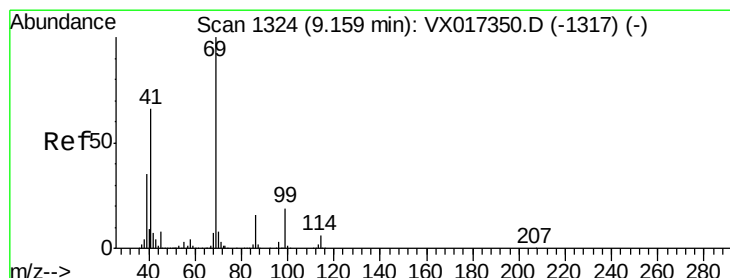
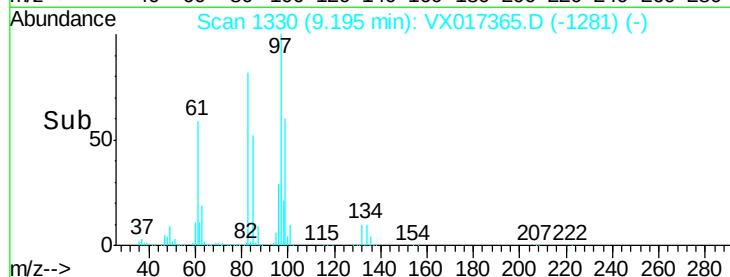
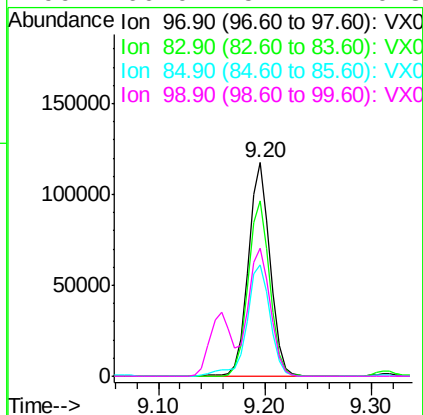
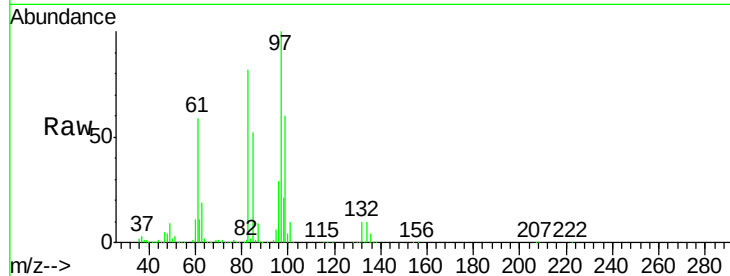
#55
 1,1,2-Trichloroethane
 Concen: 51.456 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.2	65.8	98.6
85	52.2	42.8	64.2
99	60.0	51.2	76.8

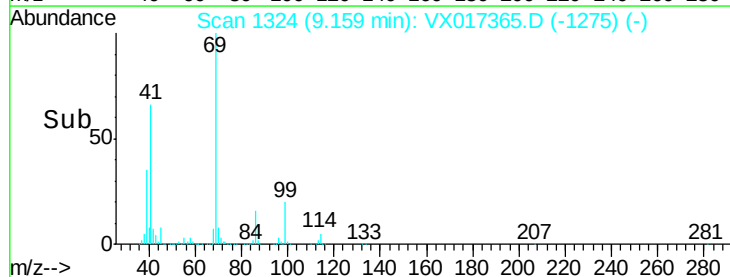
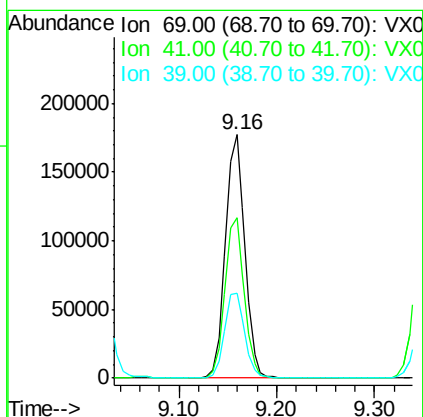
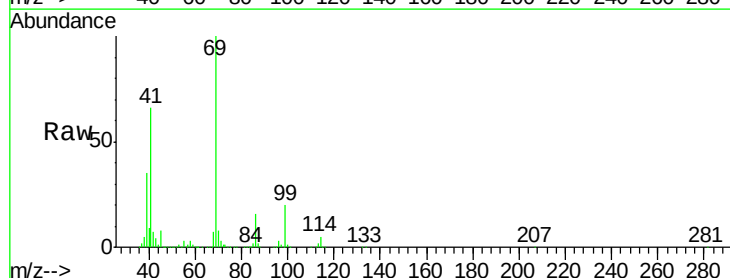
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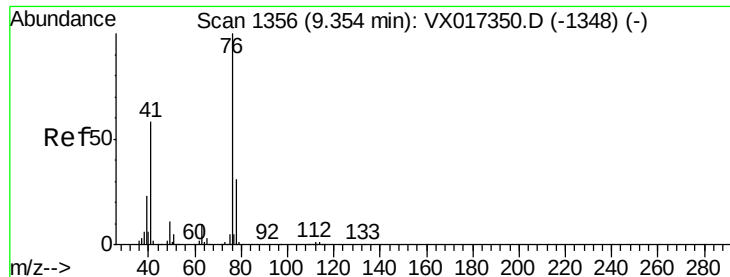
MMDadoda
 7/15/2020 11:43:00 AM



#56
 Ethyl methacrylate
 Concen: 52.611 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.6	78.8
39	36.2	28.8	43.2





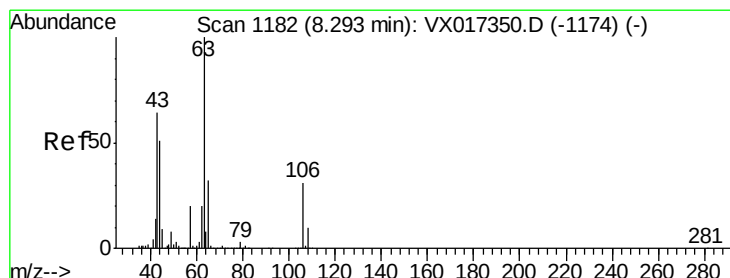
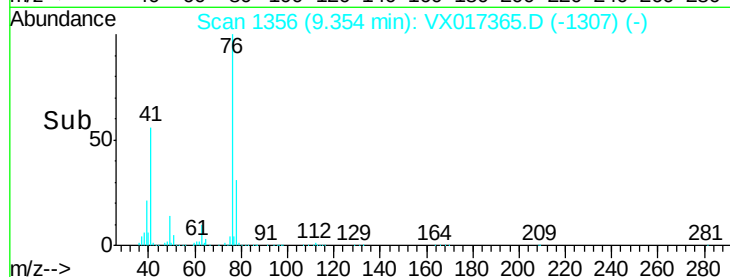
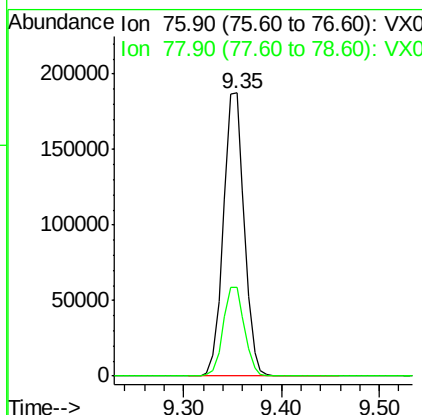
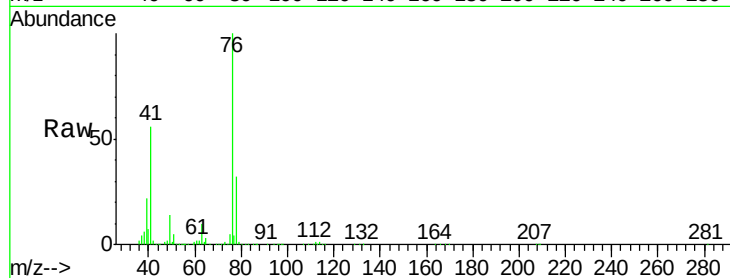
#57
 1,3-Dichloropropane
 Concen: 50.931 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

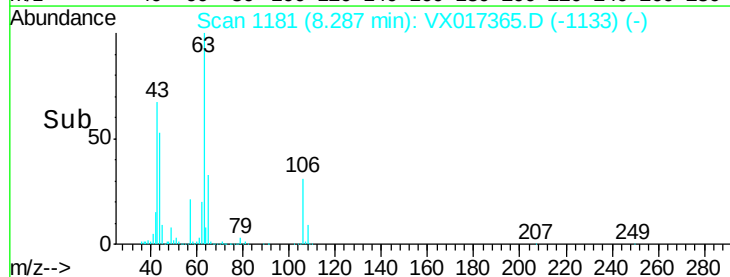
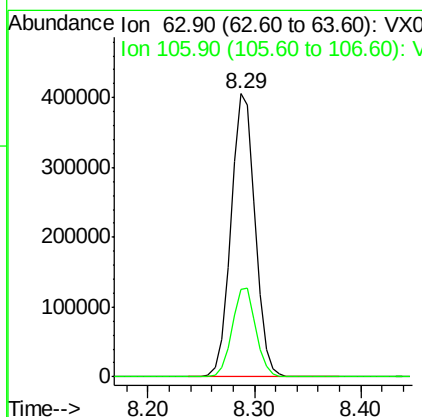
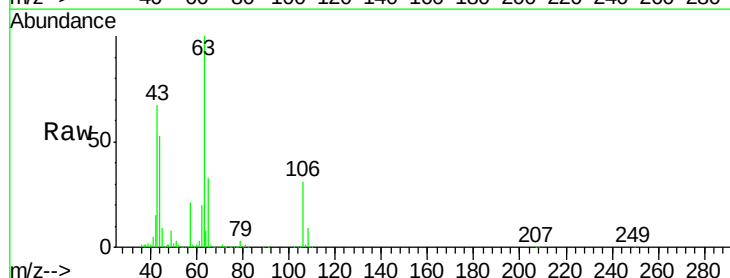
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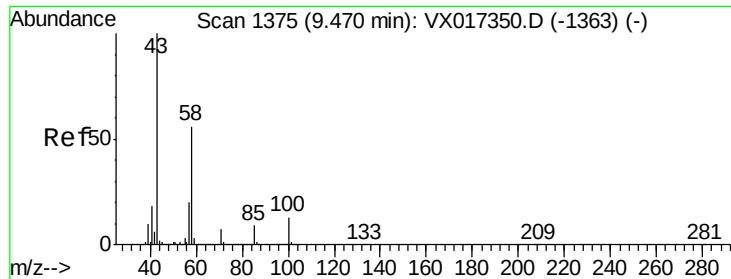
MMDadoda
 7/15/2020 11:43:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.328 ug/l
 RT: 8.29 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	24.8	37.2





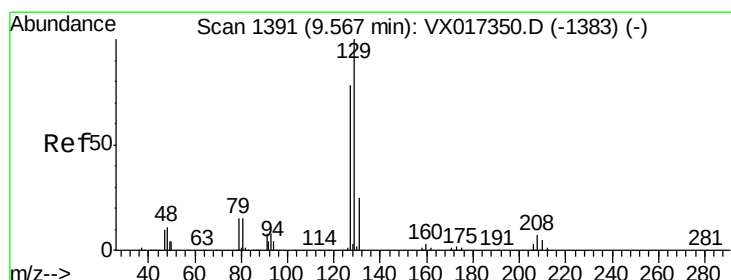
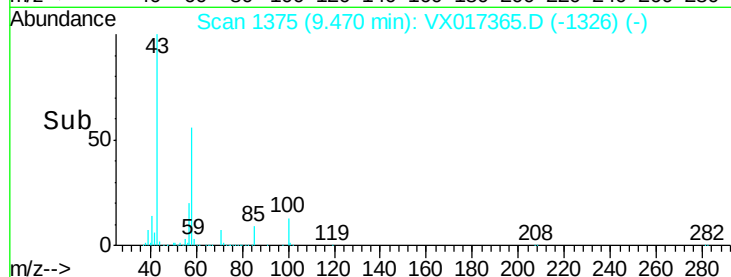
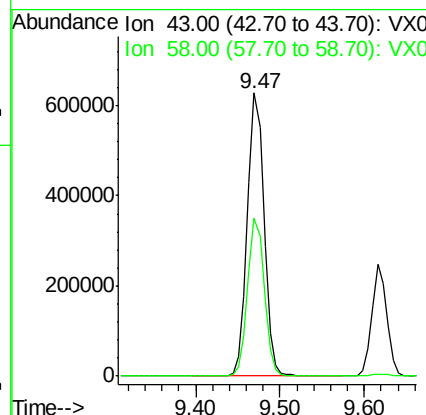
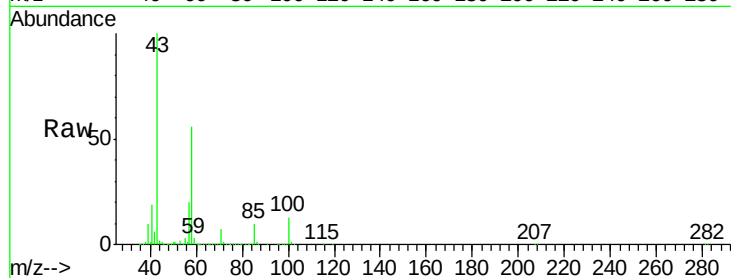
#59
2-Hexanone
Concen: 257.571 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	28.1	84.3

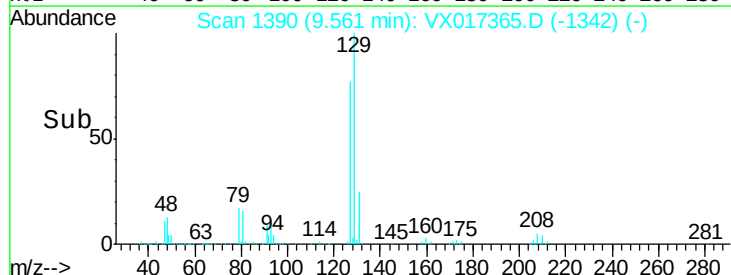
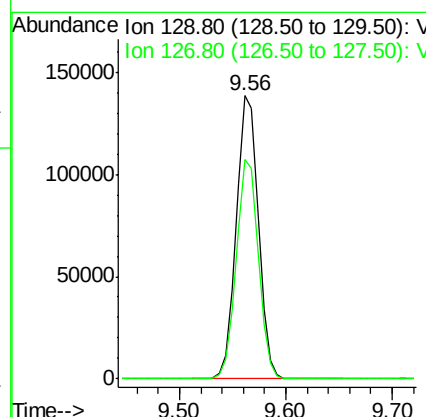
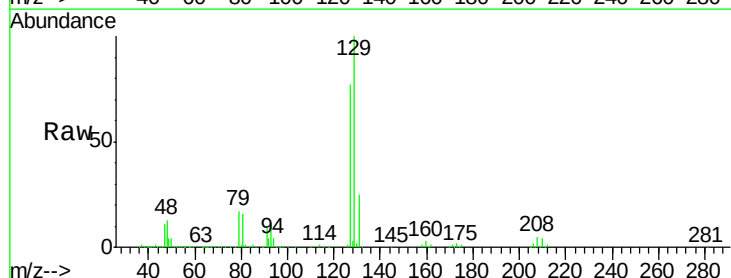
Manual Integrations
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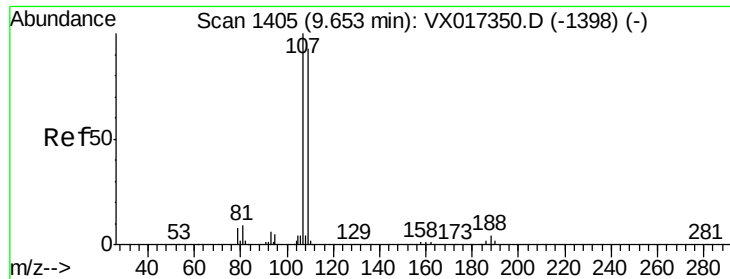
MMDadoda
7/15/2020 11:43:00 AM



#60
Dibromochloromethane
Concen: 50.921 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.9	116.6





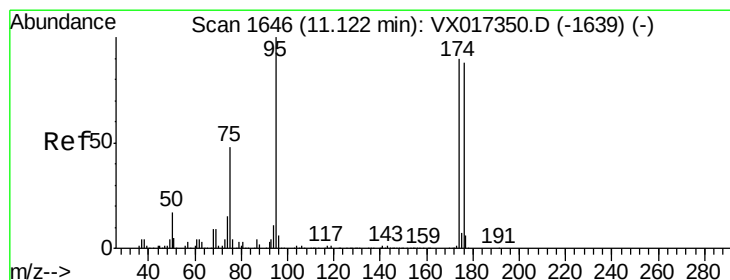
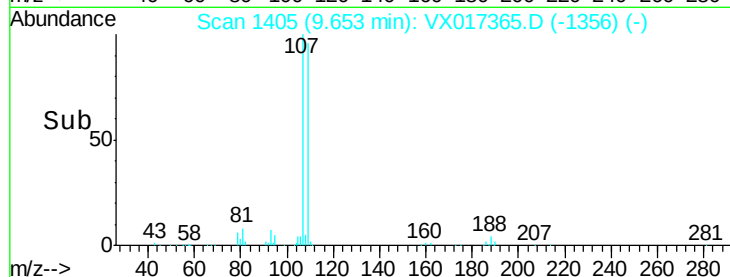
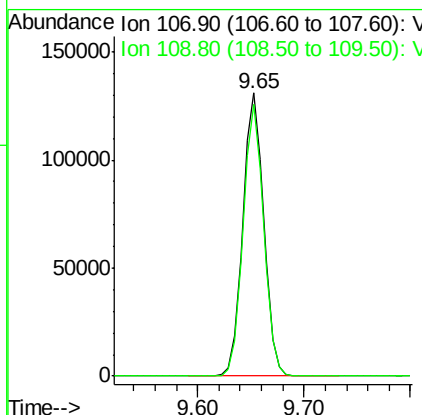
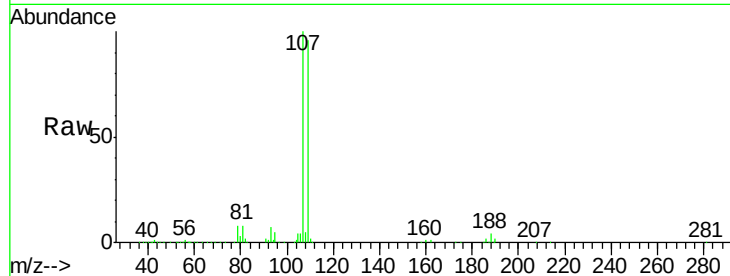
#61
 1,2-Dibromoethane
 Concen: 50.934 ug/l
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.4

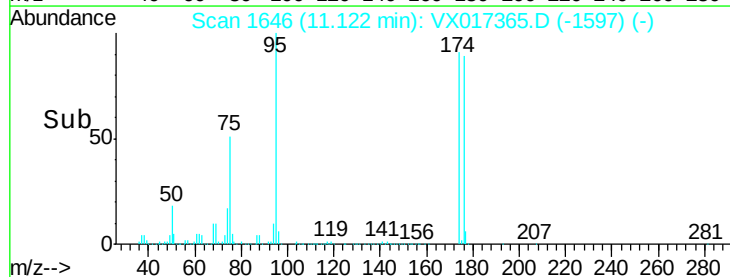
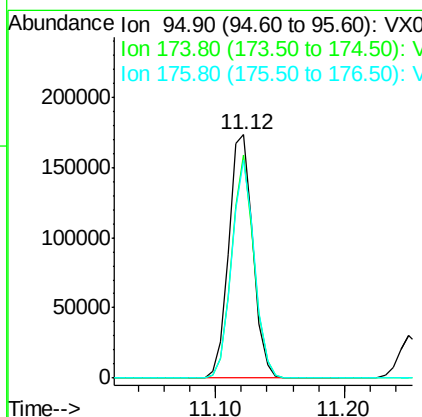
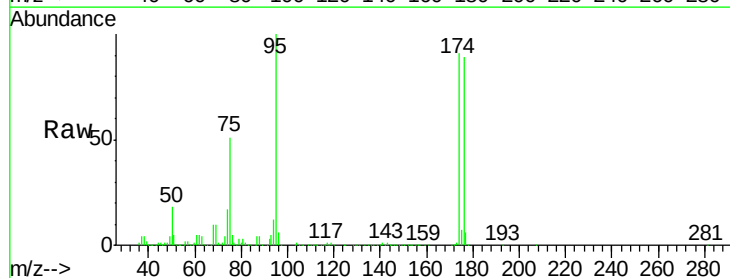
Manual Integrations
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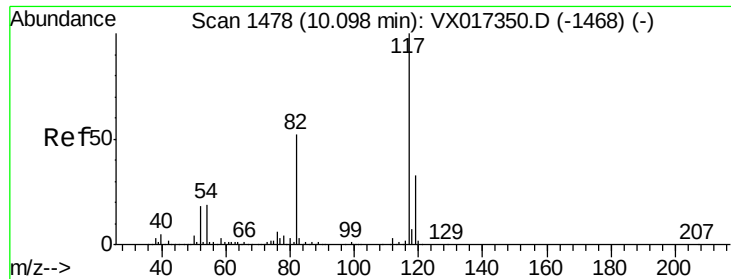
MMDadoda
 7/15/2020 11:43:00 AM



#62
 4-Bromofluorobenzene
 Concen: 51.075 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	175.8
176	84.1	0.0	164.6





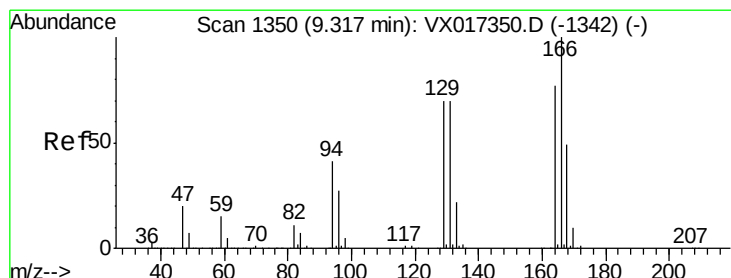
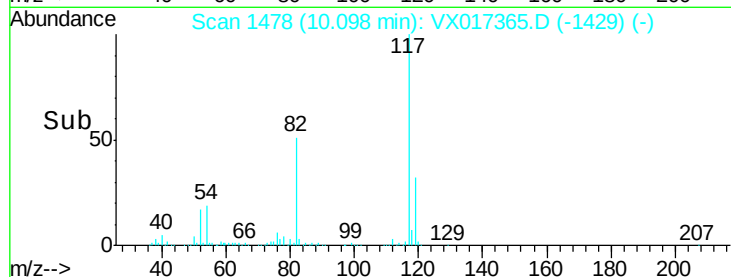
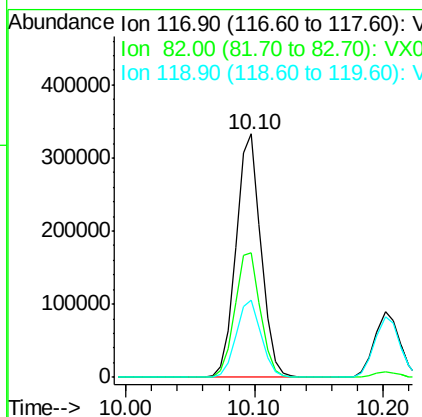
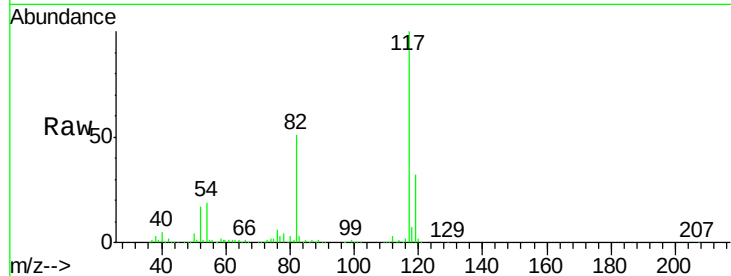
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	42.0	63.0
119	31.6	26.3	39.5

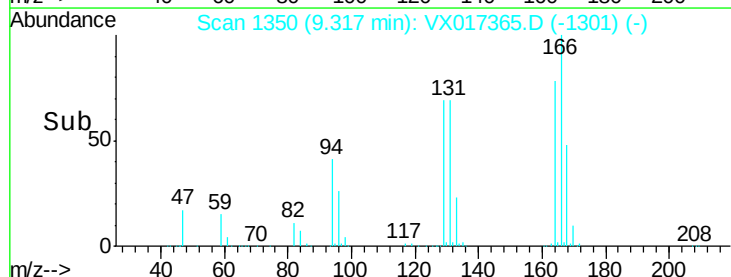
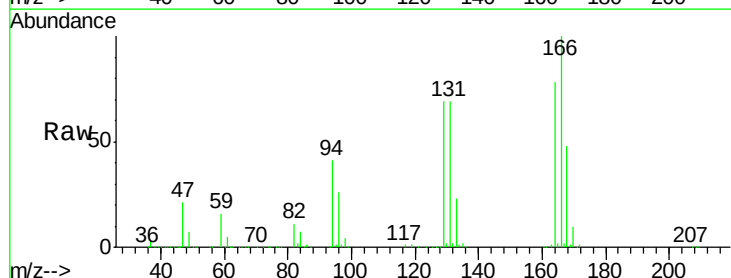
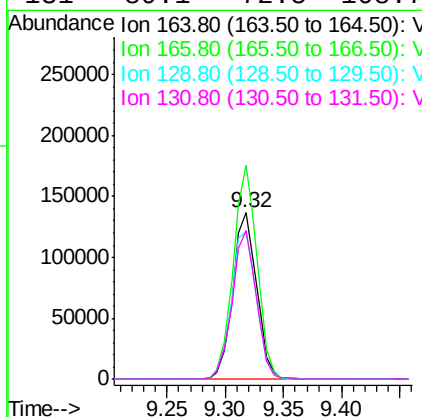
Manual Integrations
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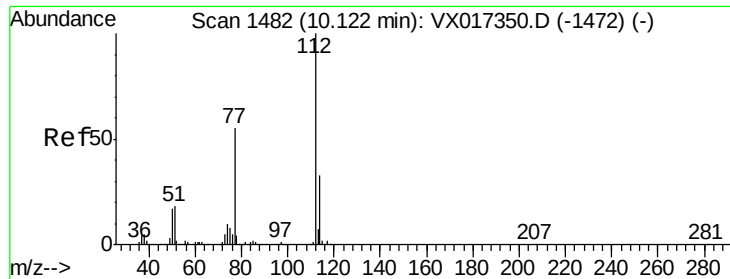
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#64
Tetrachloroethene
Concen: 50.722 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	103.9	155.9
129	88.3	72.9	109.3
131	89.1	72.5	108.7





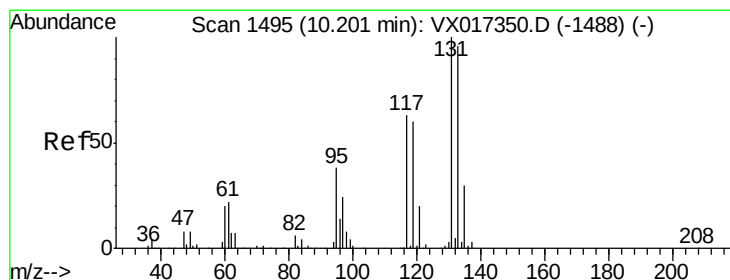
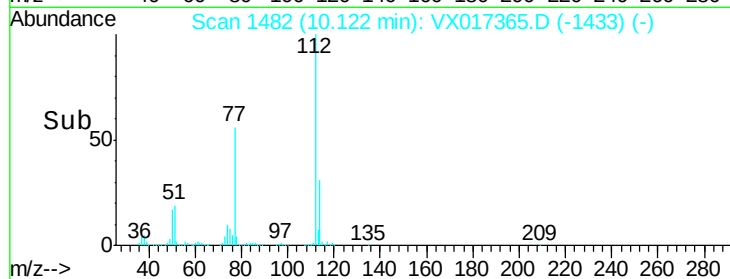
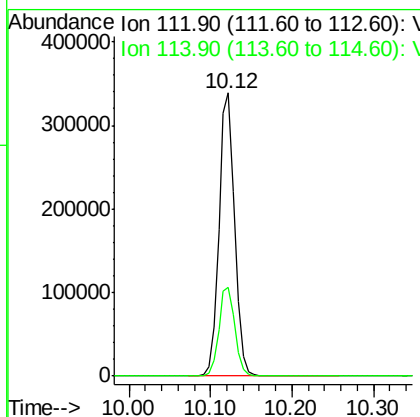
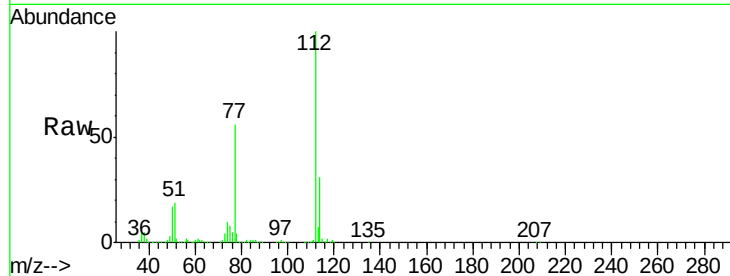
#65
Chlorobenzene
Concen: 50.368 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	26.0	39.0

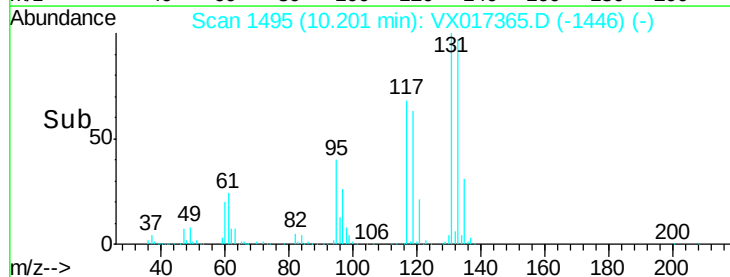
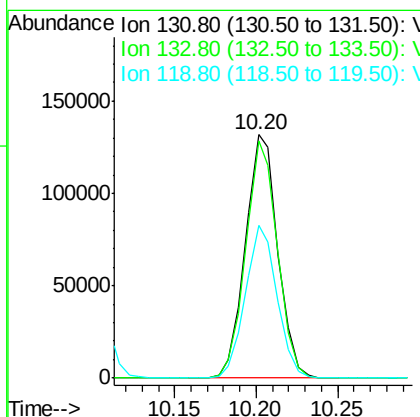
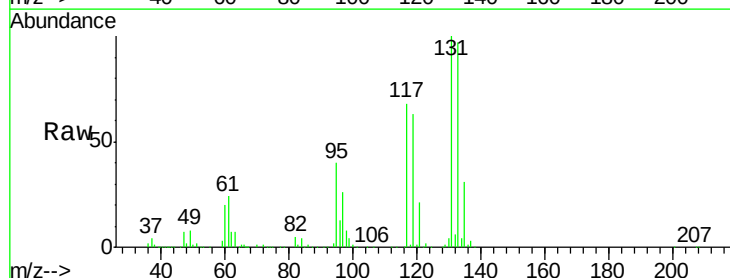
Manual Integrations
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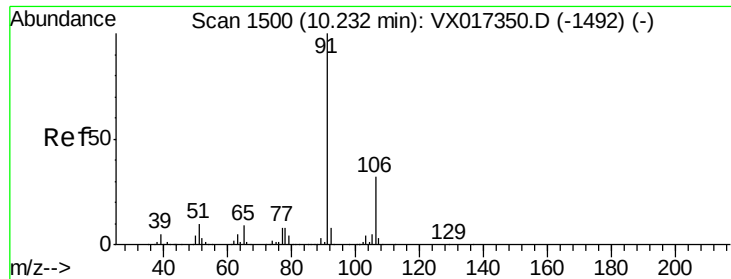
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.543 ug/l
RT: 10.20 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.4	145.2
119	61.4	31.2	93.6





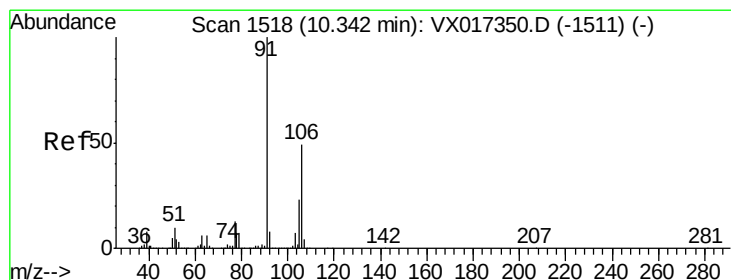
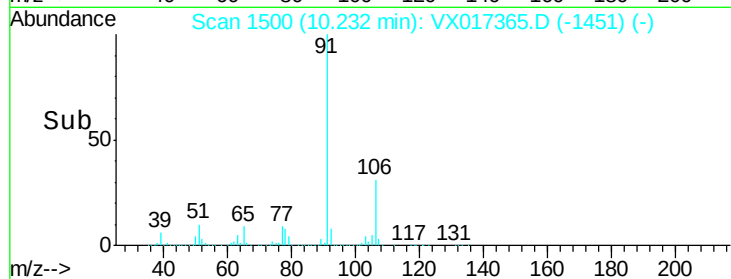
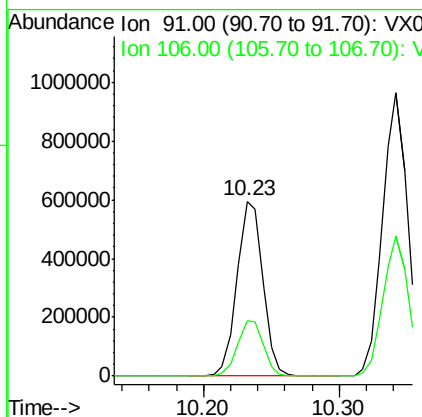
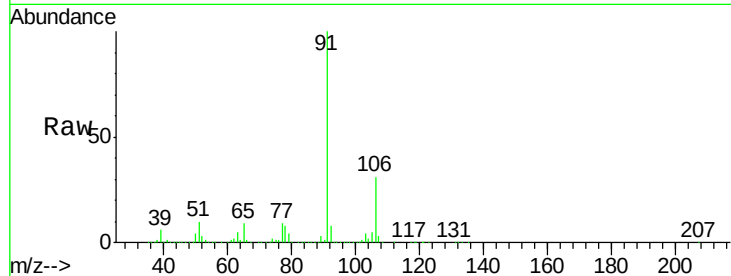
#67
Ethyl Benzene
Concen: 52.293 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 788130
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5

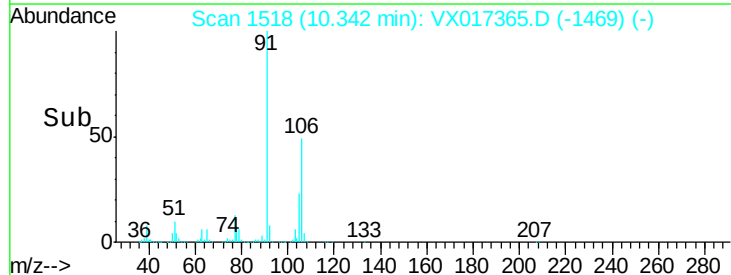
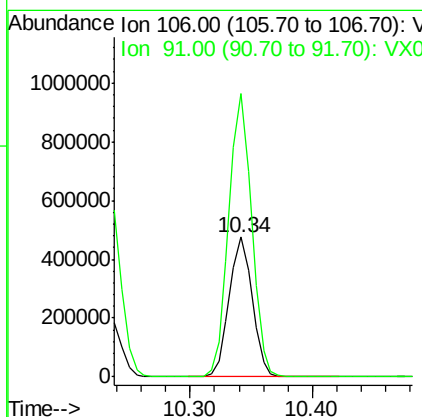
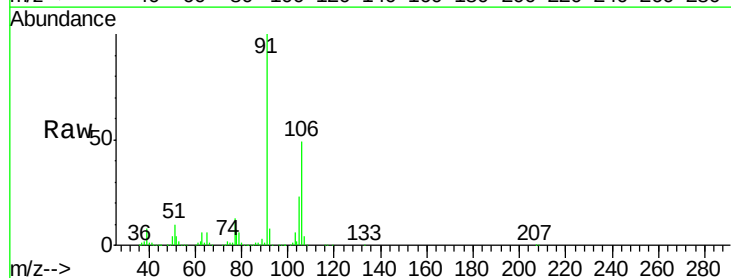
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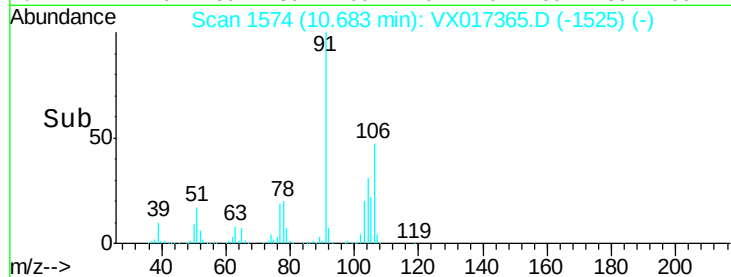
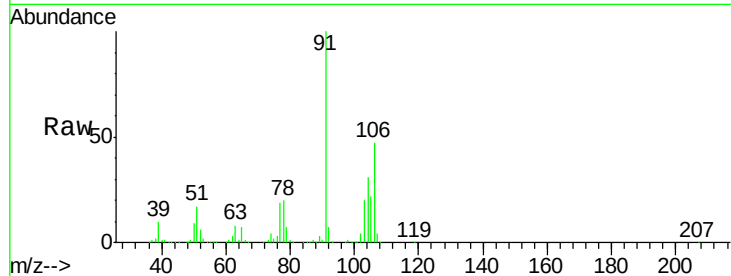
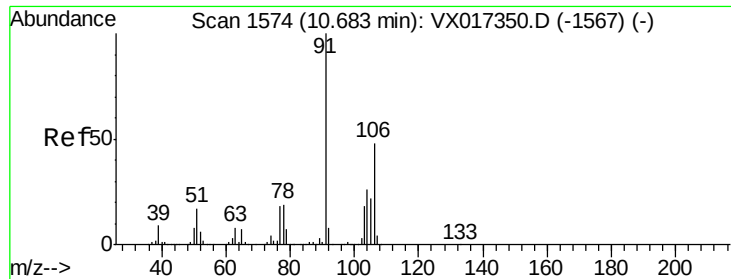
MMDadoda
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#68
m/p-Xylenes
Concen: 108.114 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion: 106 Resp: 619973
Ion Ratio Lower Upper
106 100
91 201.0 162.5 243.7





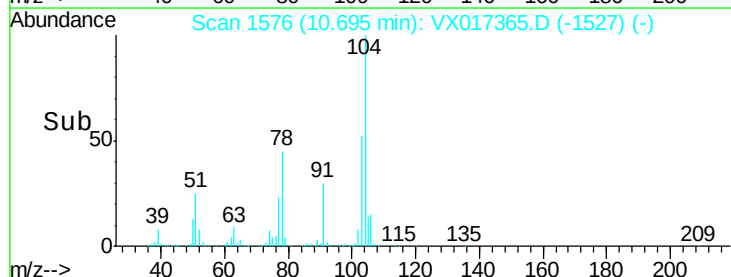
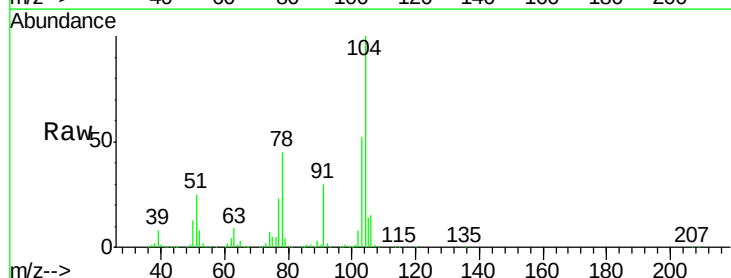
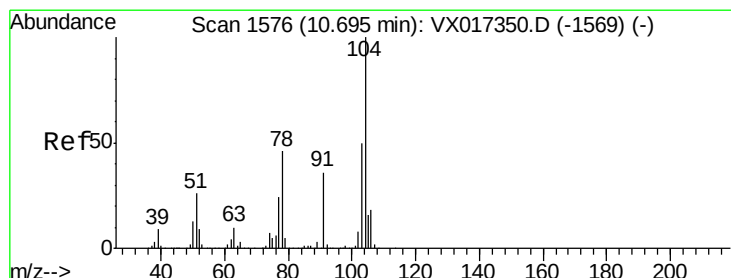
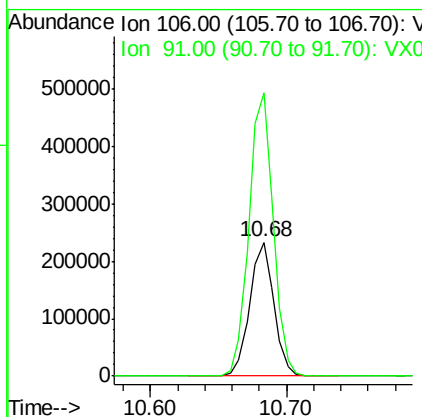
#69
o-Xylene
Concen: 52.806 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.0	106.1	318.1

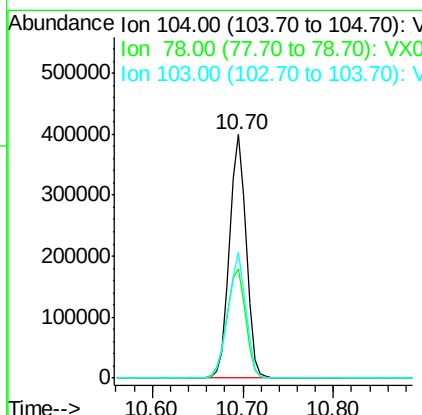
Manual Integrations
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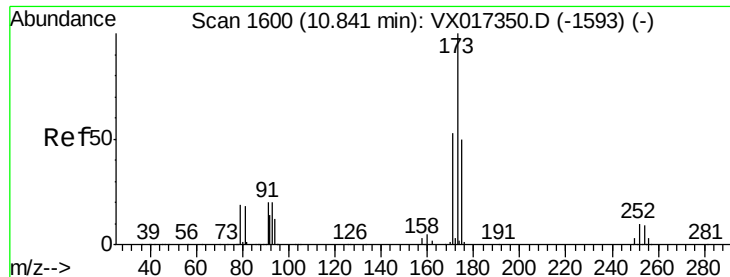
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#70
Styrene
Concen: 54.556 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	40.8	61.2
103	54.4	43.3	64.9





#71

Bromoform

Concen: 52.694 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 160275

Ion Ratio Lower Upper

173 100

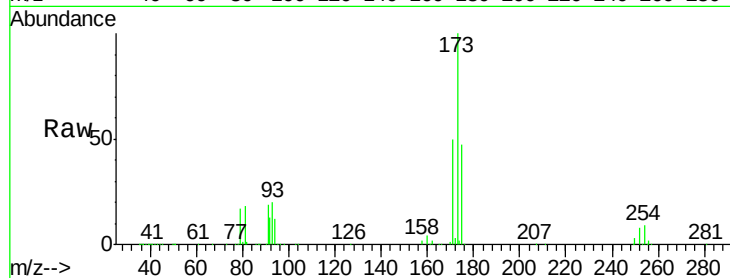
175 48.2 24.7 74.1

254 0.1 0.1 0.1

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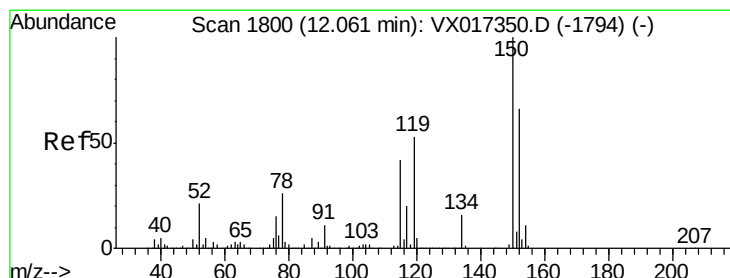
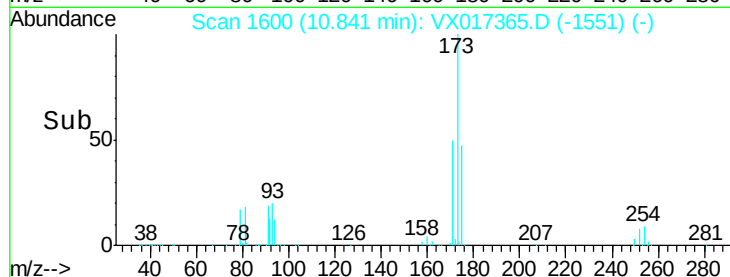
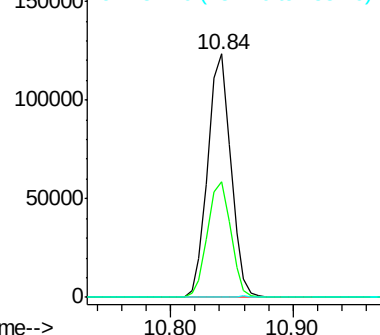
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

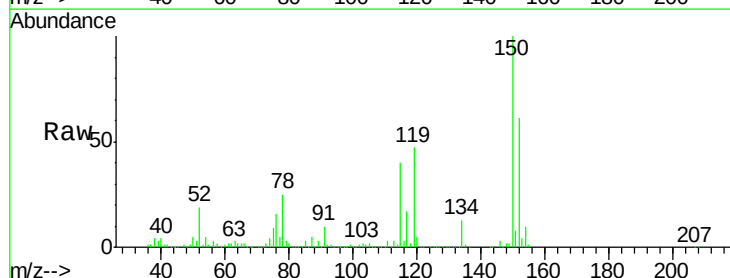
Tgt Ion:152 Resp: 241597

Ion Ratio Lower Upper

152 100

115 80.6 39.9 119.7

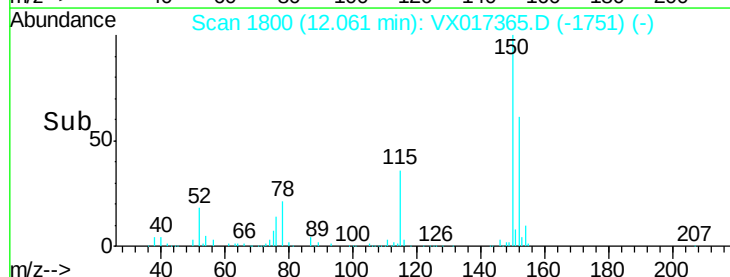
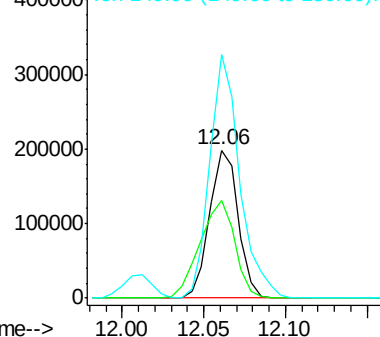
150 172.8 0.0 343.4

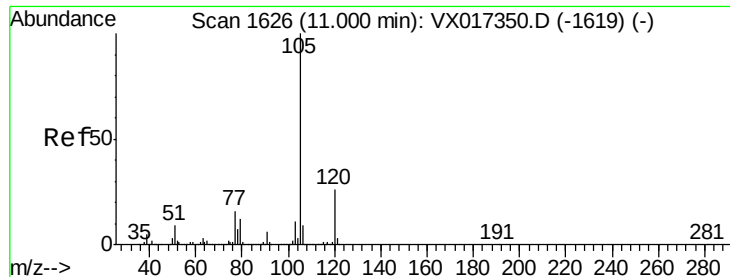


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.697 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 813236

Ion Ratio Lower Upper

105 100

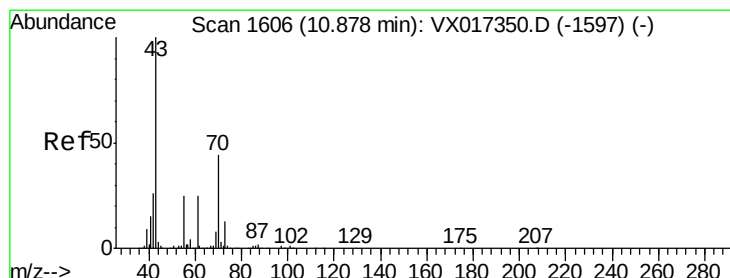
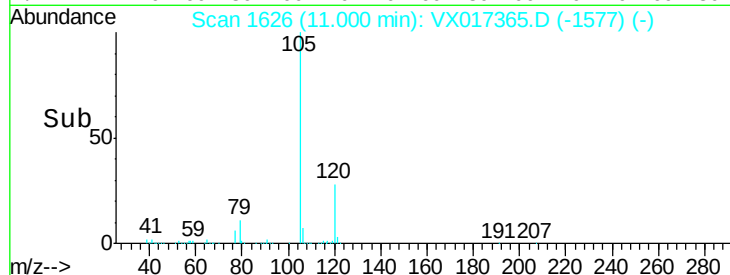
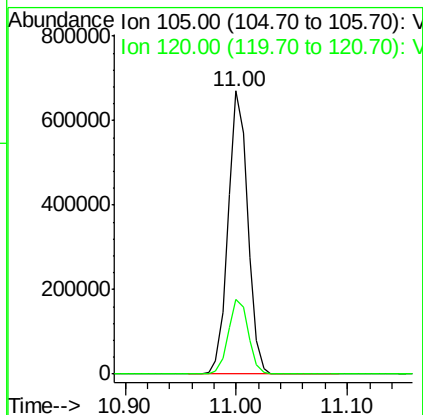
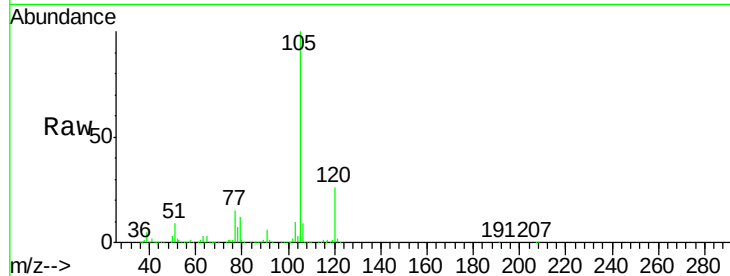
120 27.0 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.444 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion: 43 Resp: 323900

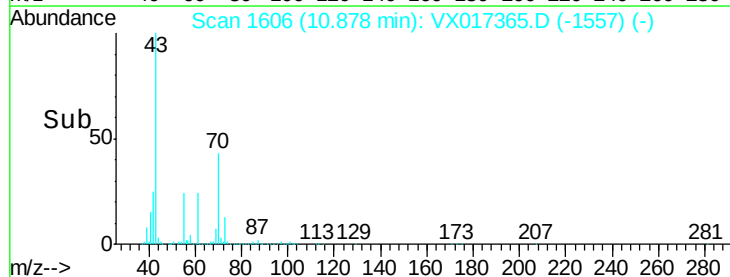
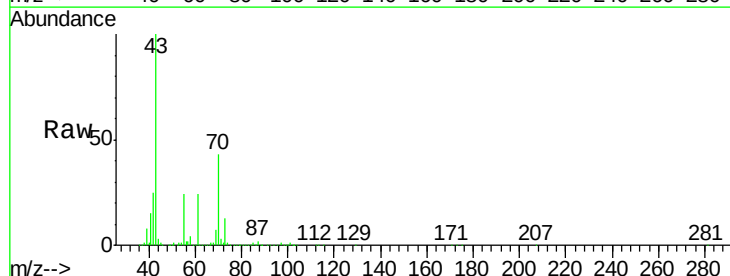
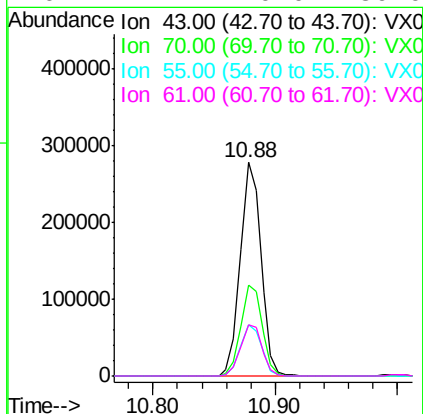
Ion Ratio Lower Upper

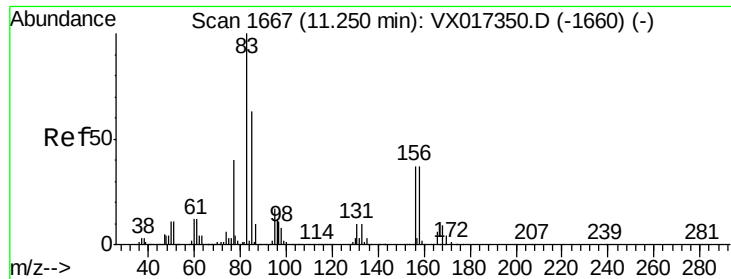
43 100

70 43.9 35.7 53.5

55 24.6 20.3 30.5

61 24.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.718 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 228620

Ion Ratio Lower Upper

83 100

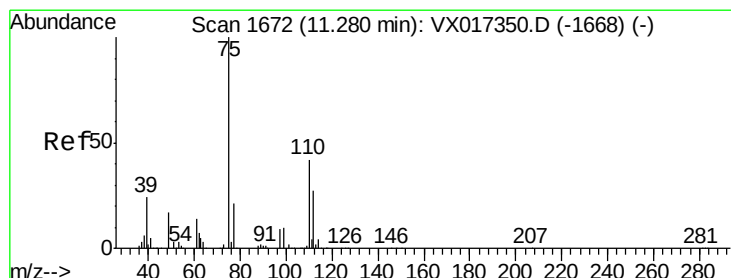
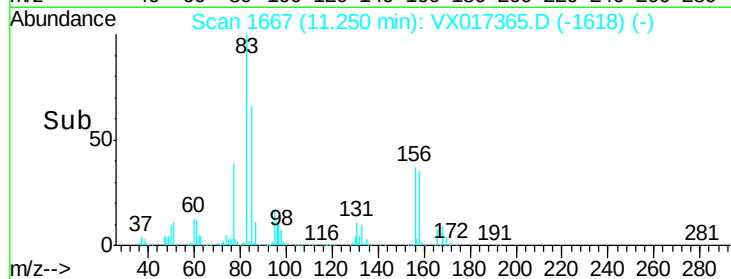
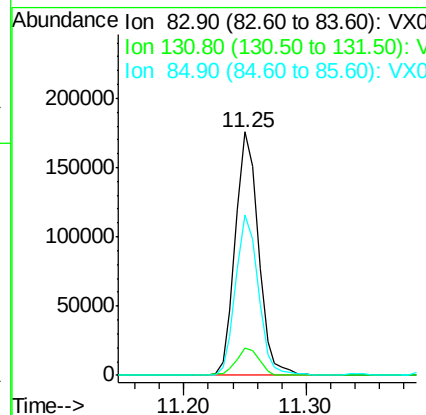
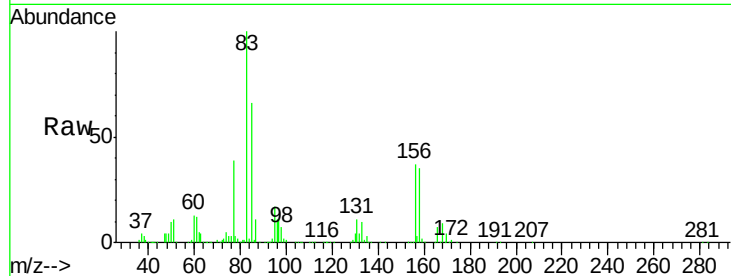
131 11.4 5.5 16.7

85 65.2 32.6 98.0

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#76

1,2,3-Trichloropropane

Concen: 51.445 ug/l m

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX017365.D

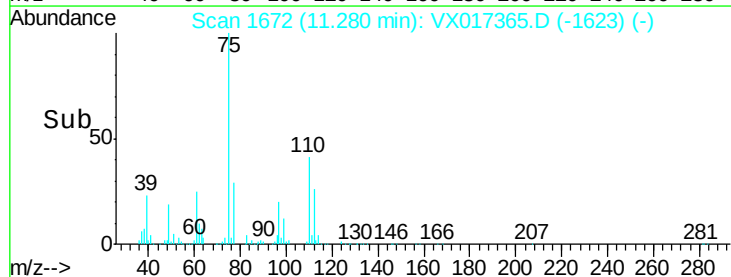
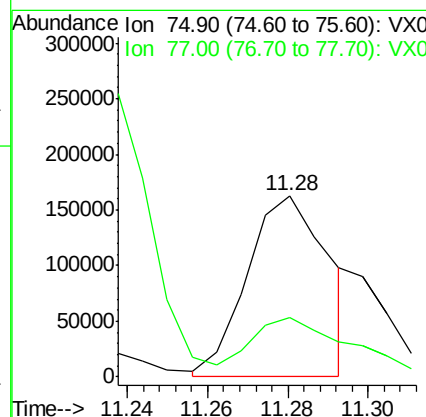
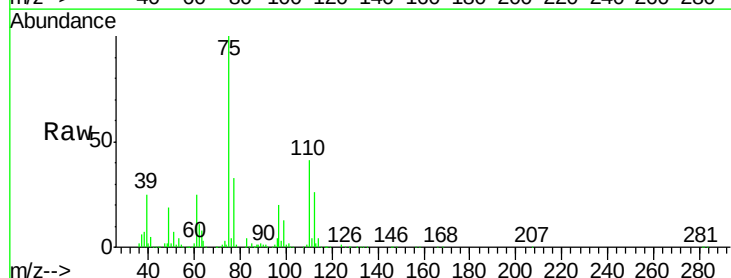
Acq: 14 Jul 2020 09:32

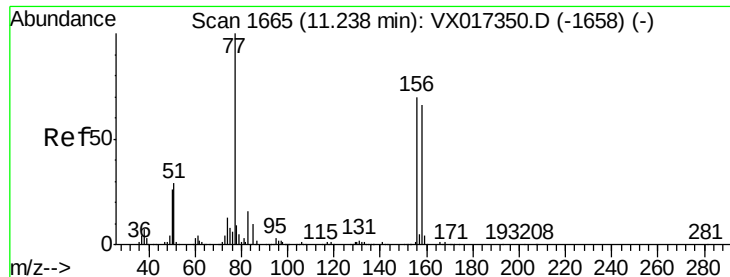
Tgt Ion: 75 Resp: 229664

Ion Ratio Lower Upper

75 100

77 40.1 20.3 60.9





#77

Bromobenzene

Concen: 50.168 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

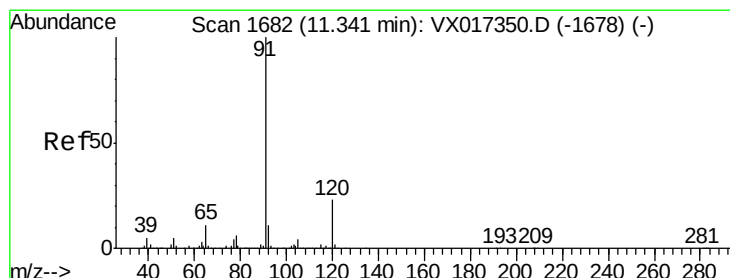
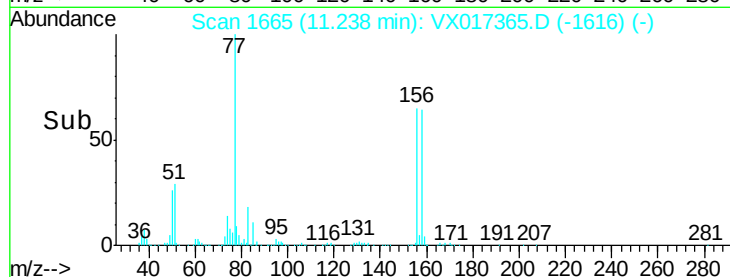
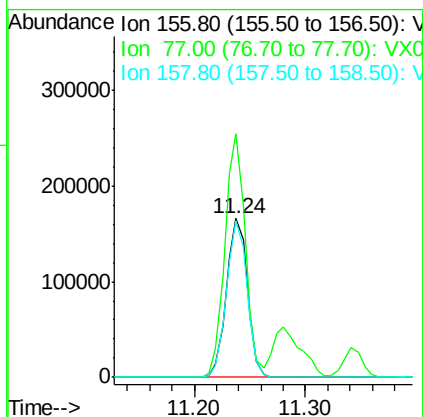
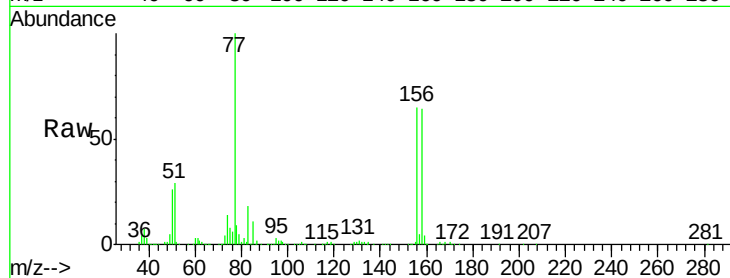
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.1	72.1	216.3
158	97.0	47.4	142.3

Manual Integrations
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7/15/2020 11:43:00 AM



#78

n-propylbenzene

Concen: 54.908 ug/l

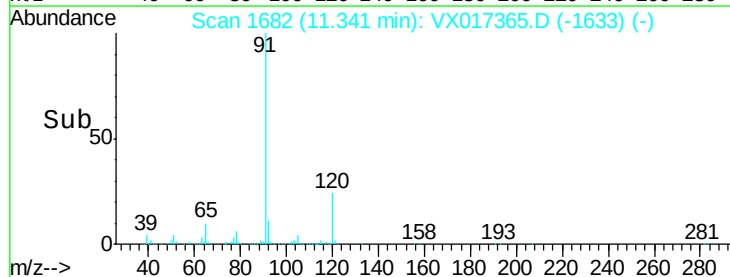
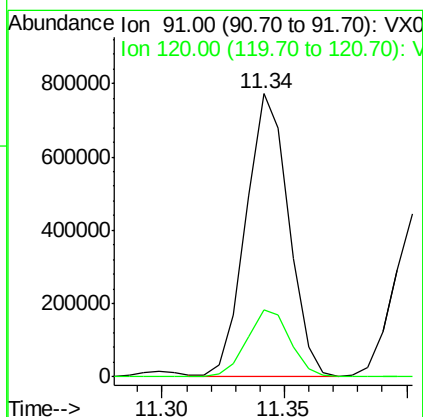
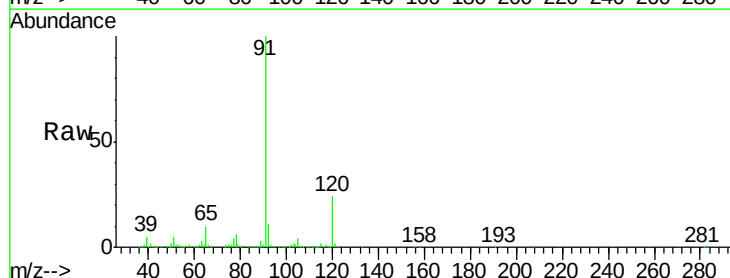
RT: 11.34 min Scan# 1682

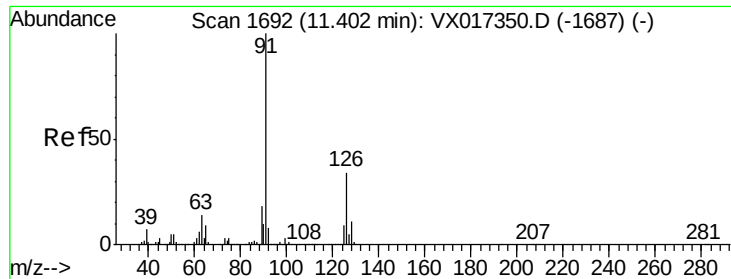
Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	11.9	35.9





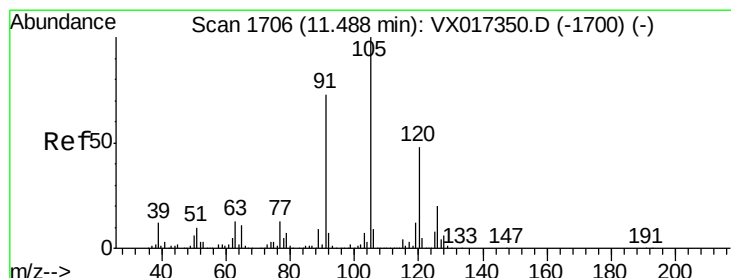
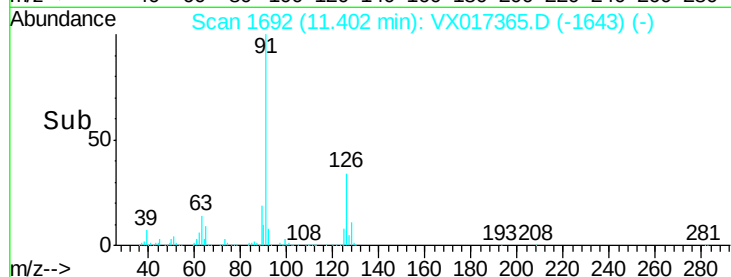
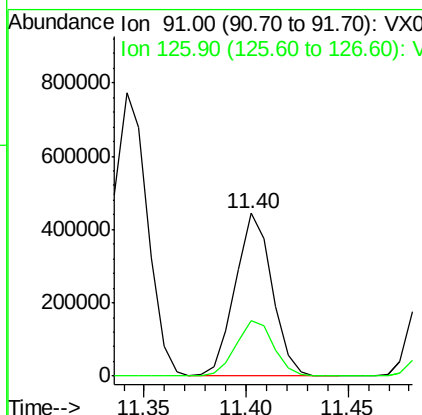
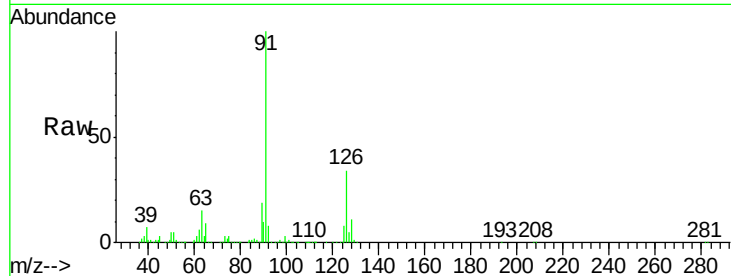
#79
2-Chlorotoluene
Concen: 52.882 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 554295
Ion Ratio Lower Upper
91 100
126 34.7 17.4 52.3

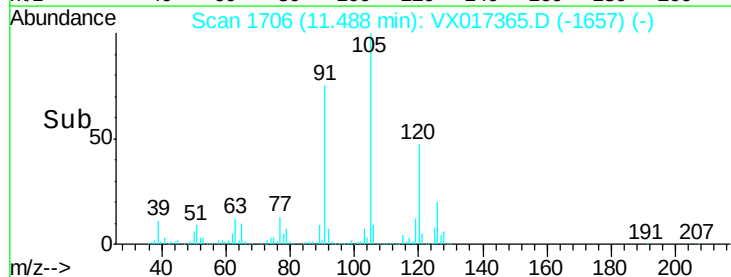
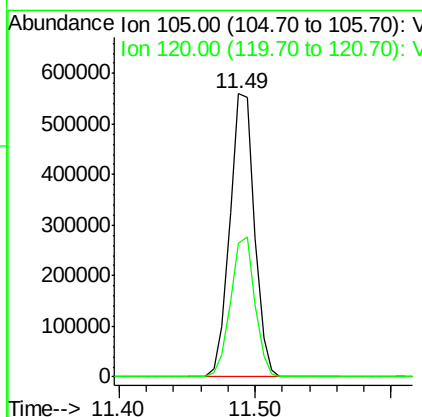
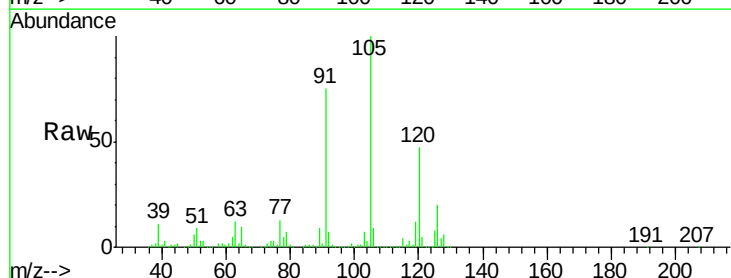
Manual Integrations
APPROVED

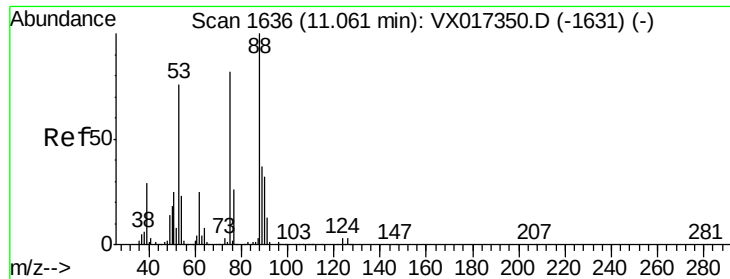
MMDadoda
7/15/2020 11:43:00 AM



#80
1,3,5-Trimethylbenzene
Concen: 54.590 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion: 105 Resp: 701813
Ion Ratio Lower Upper
105 100
120 48.9 24.8 74.4





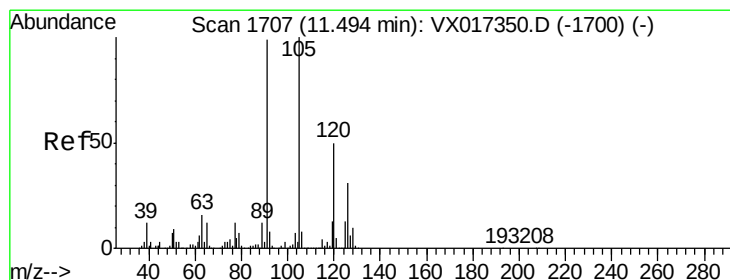
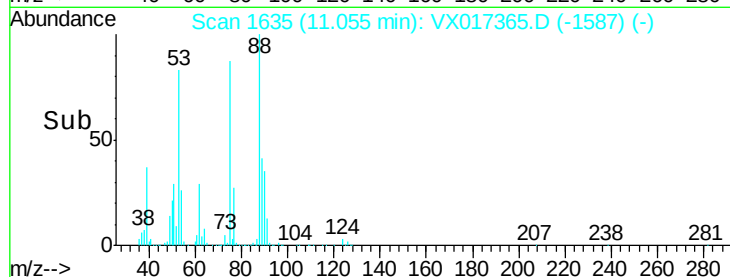
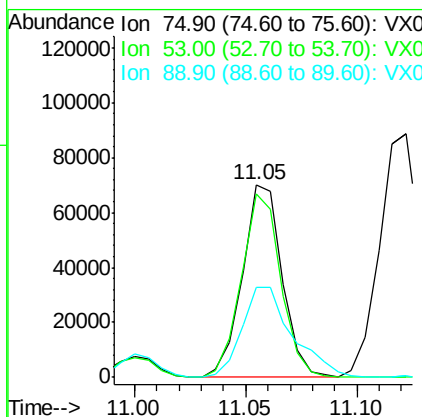
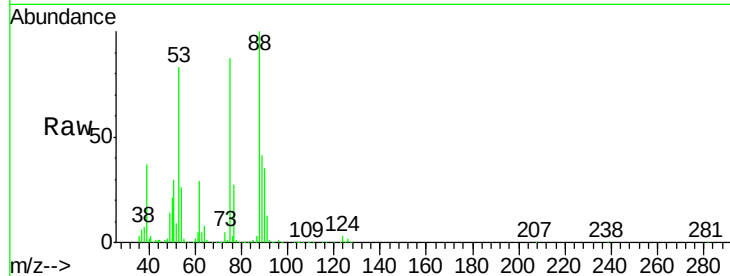
#81
trans-1,4-Dichloro-2-butene
Concen: 49.450 ug/l
RT: 11.05 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	76.5	114.7
89	60.0	38.1	57.1#

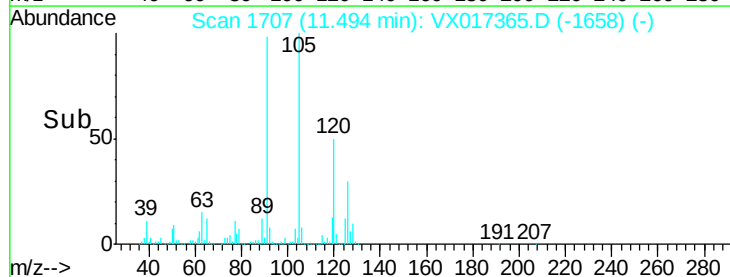
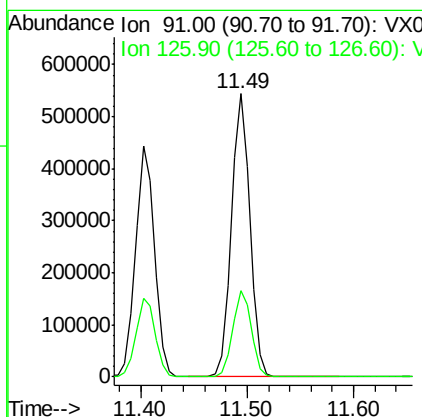
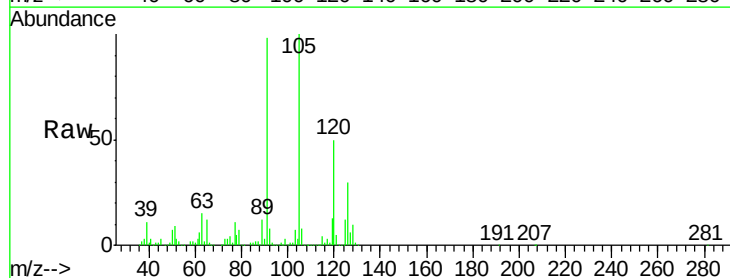
Manual Integrations
APPROVED

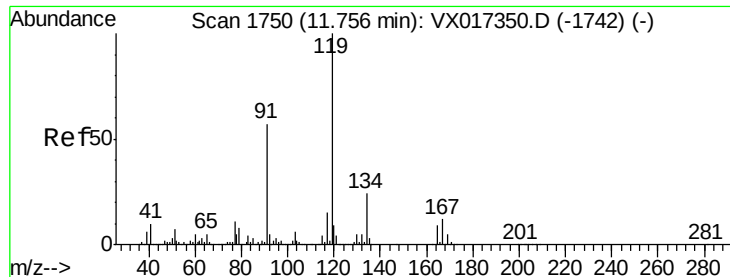
MMDadoda
7/15/2020 11:43:00 AM



#82
4-Chlorotoluene
Concen: 53.343 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.4	46.2





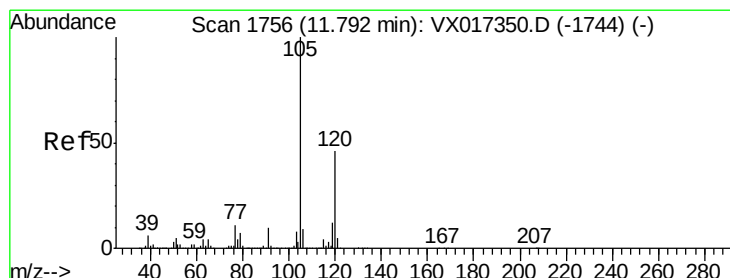
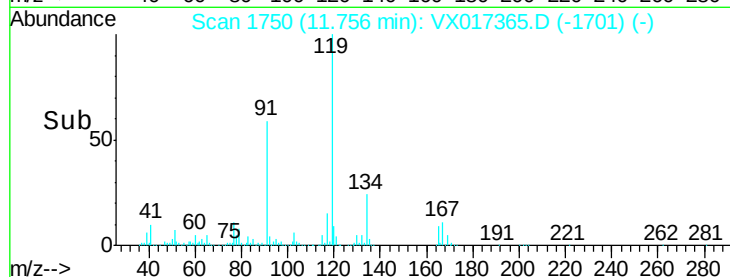
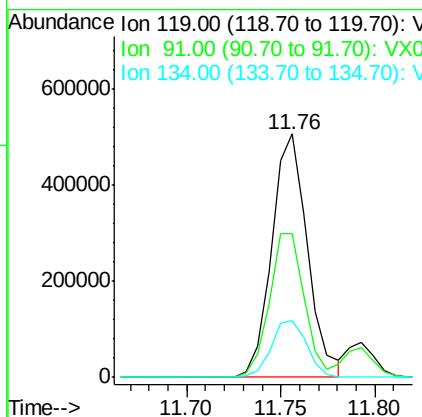
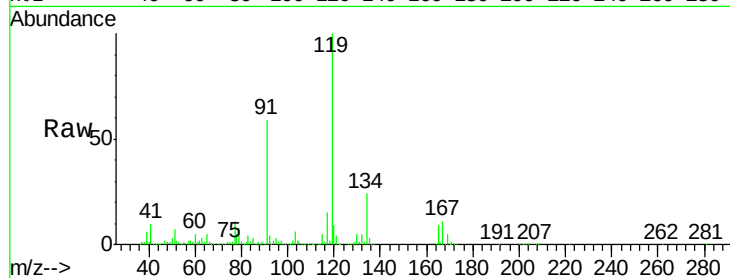
#83
tert-Butylbenzene
Concen: 53.298 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	662365		
91	58.1		28.5	85.6
134	23.6		11.9	35.9

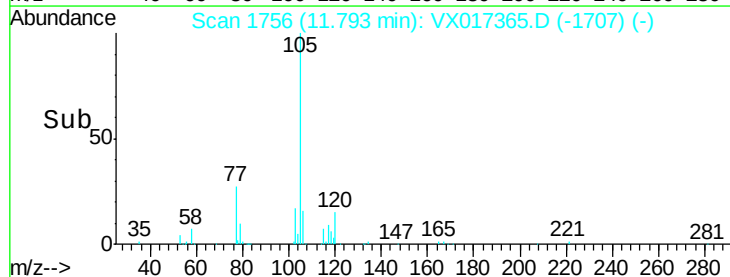
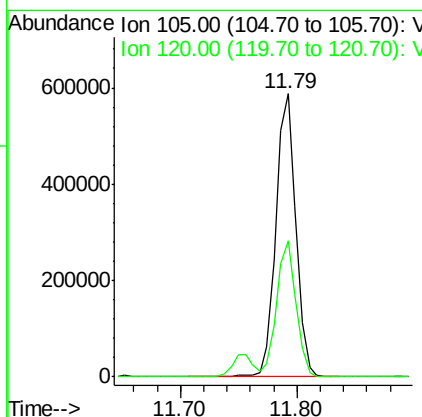
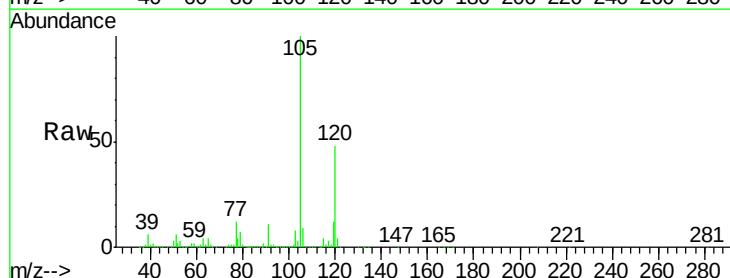
Manual Integrations
APPROVED

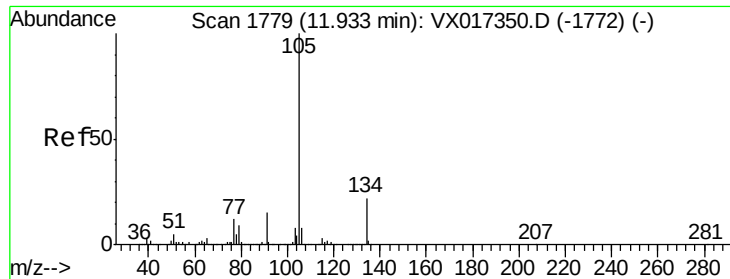
MMDadoda
7/15/2020 11:43:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 53.989 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	701203		
120	46.8		22.8	68.4





#85

sec-Butylbenzene

Concen: 54.389 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 791342

Ion Ratio Lower Upper

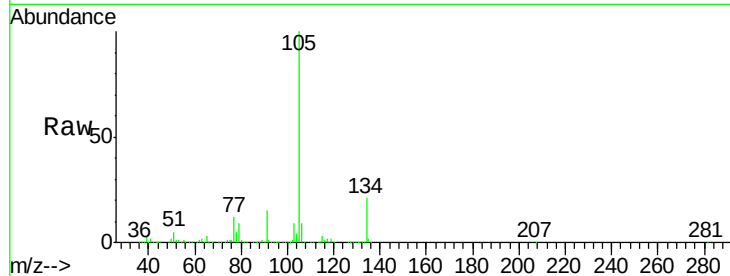
105 100

134 21.0 10.5 31.5

Manual Integrations
APPROVED

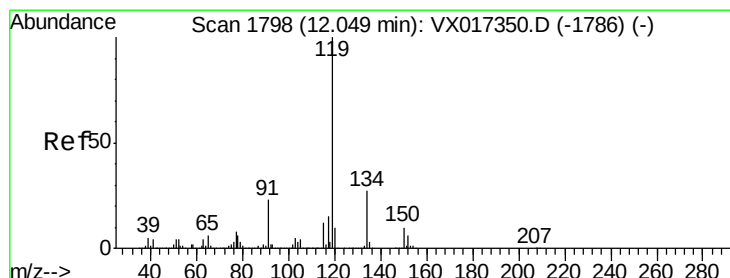
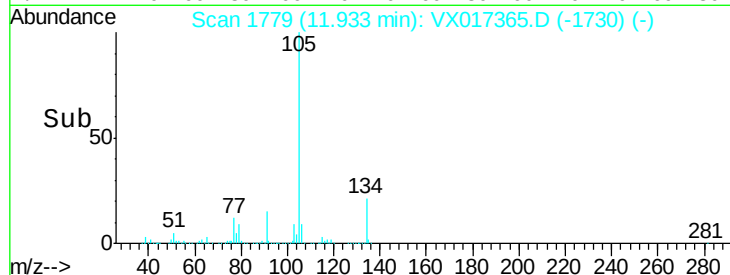
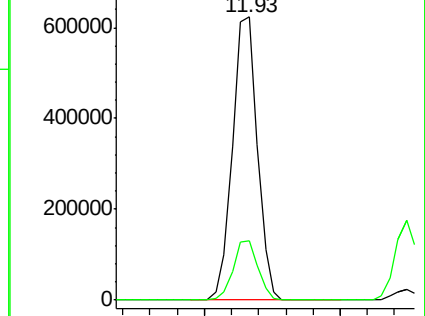
MMDadoda

7/15/2020 11:43:00 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.577 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

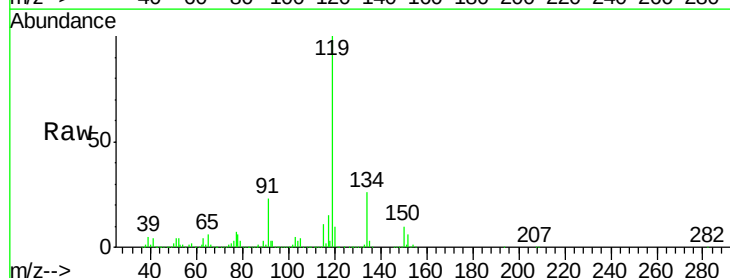
Tgt Ion:119 Resp: 765118

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.5

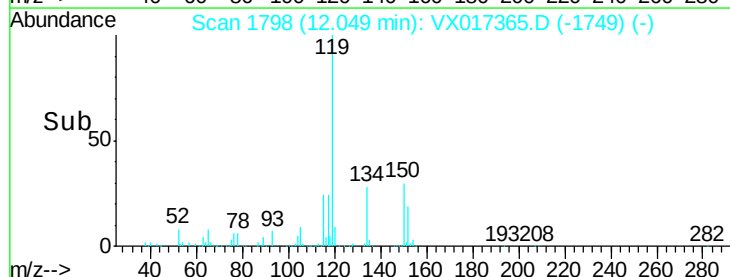
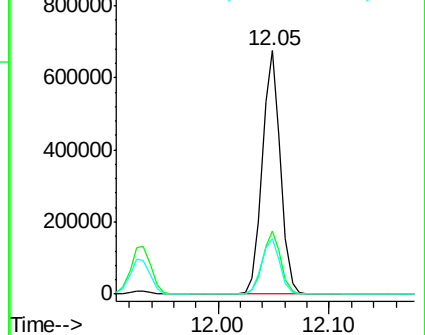
91 23.4 11.8 35.3

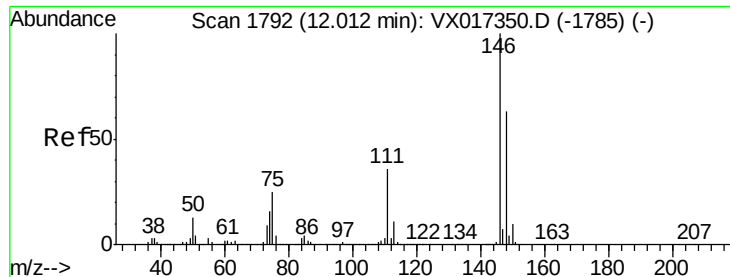


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





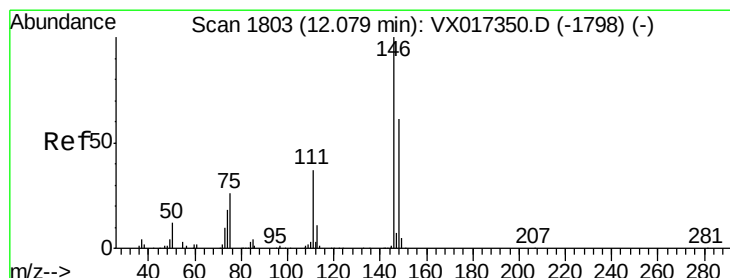
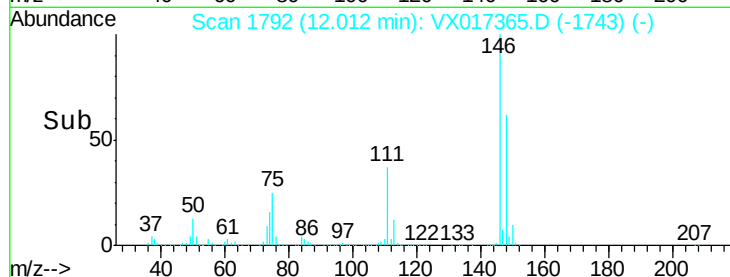
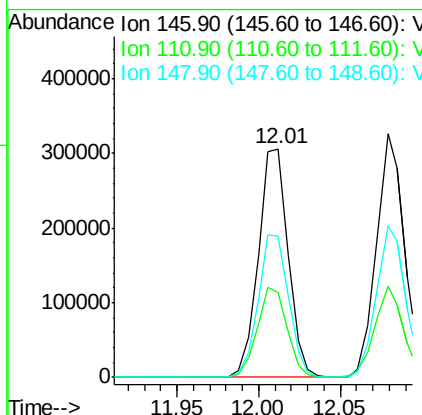
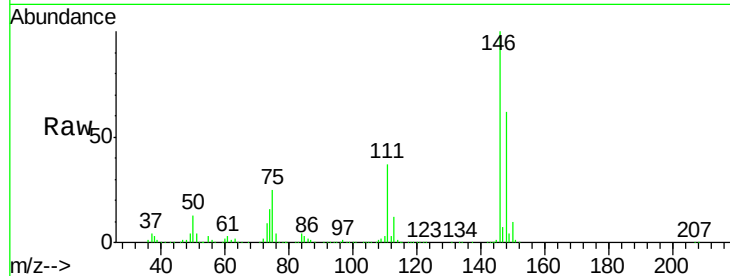
#87
 1,3-Dichlorobenzene
 Concen: 50.342 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.2	57.6
148	63.9	31.6	95.0

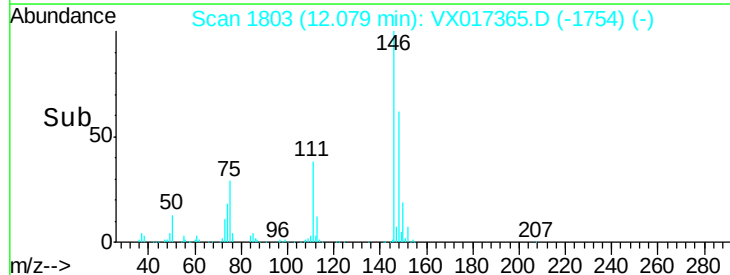
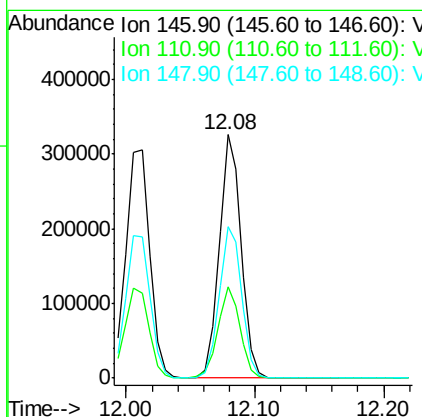
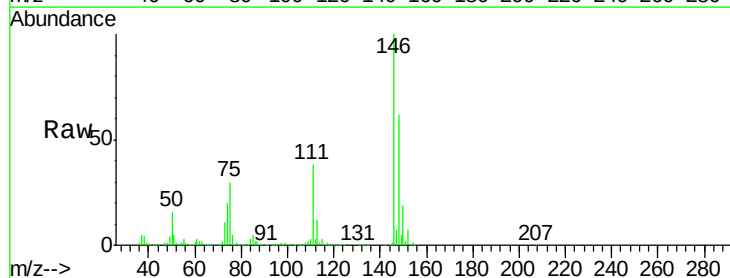
Manual Integrations
 APPROVED

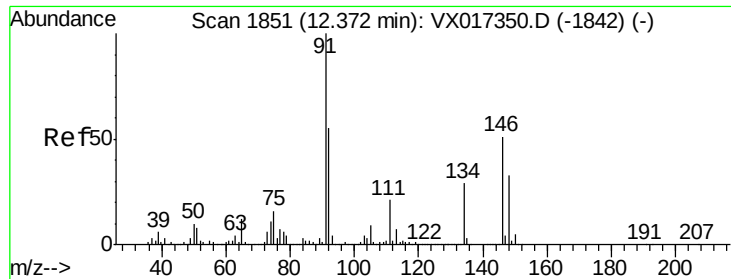
MMDadoda
 7/15/2020 11:43:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.032 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.9	31.9	95.9





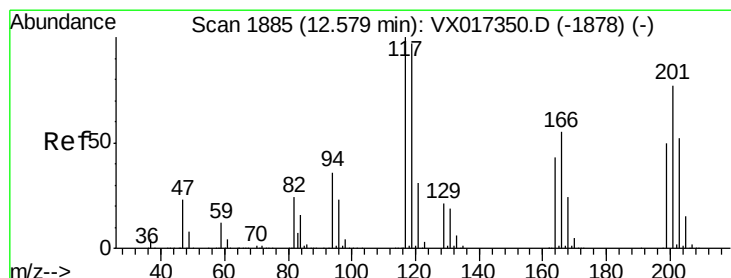
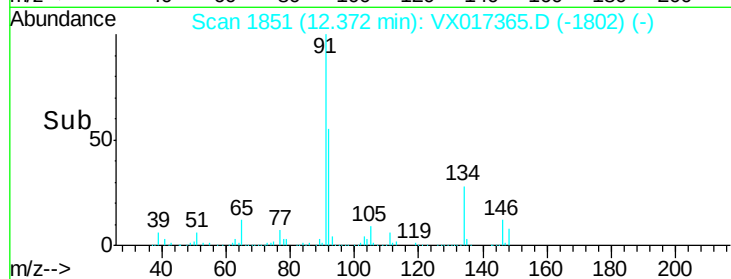
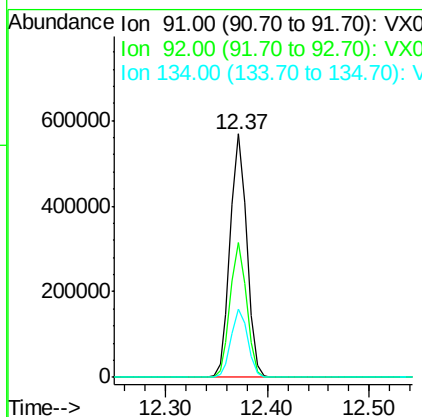
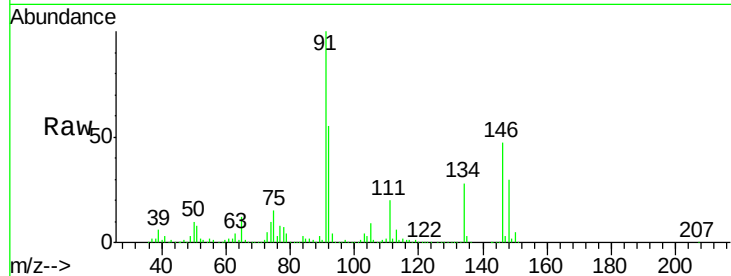
#89
n-Butylbenzene
Concen: 54.372 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.8	27.0	81.0	
134	28.1	14.1	42.2	

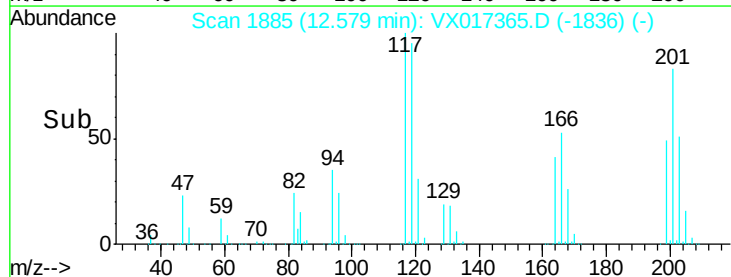
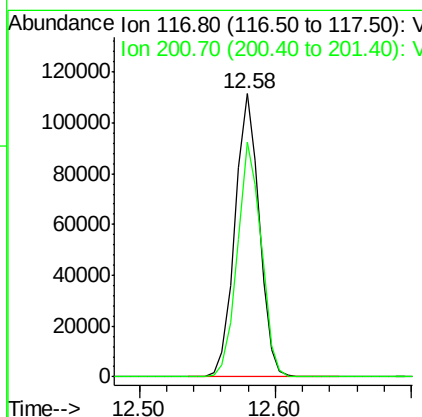
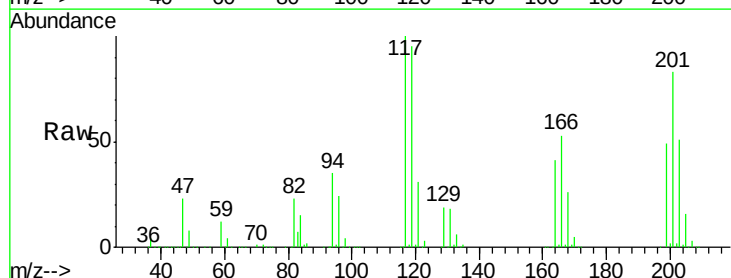
Manual Integrations
APPROVED

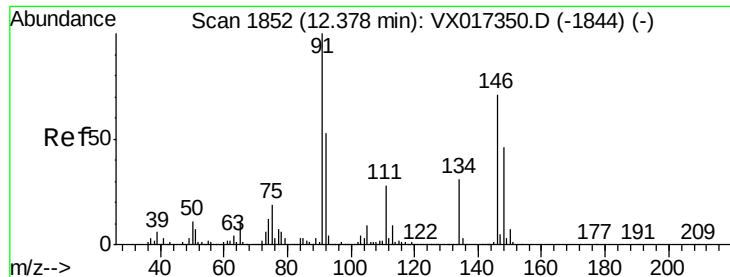
MMDadoda
7/15/2020 11:43:00 AM



#90
Hexachloroethane
Concen: 52.889 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	81.4	41.0	123.0	





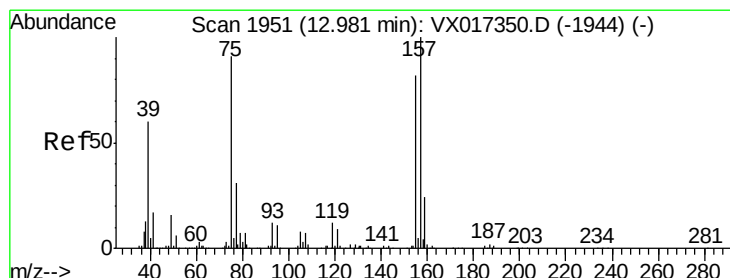
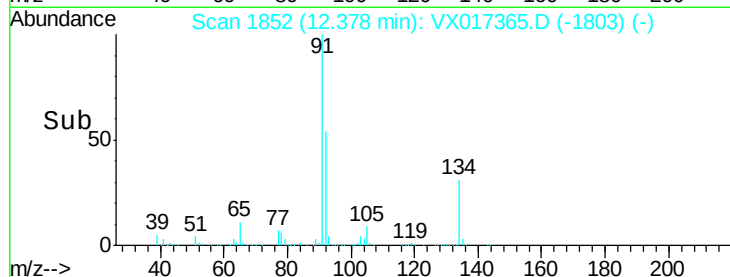
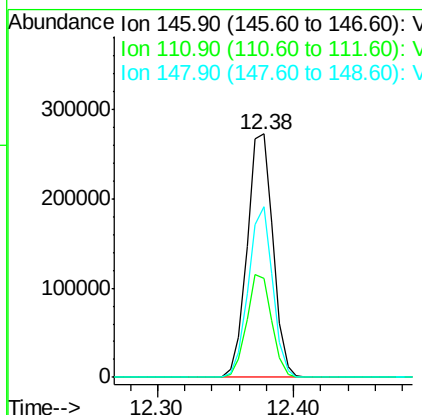
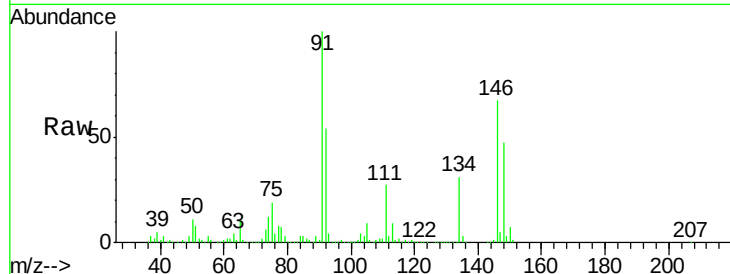
#91
 1,2-Dichlorobenzene
 Concen: 50.024 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	66.1	32.0	96.0

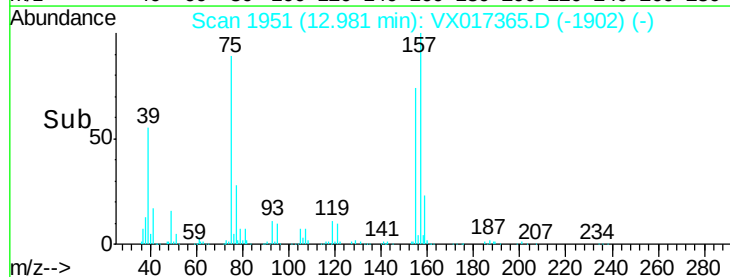
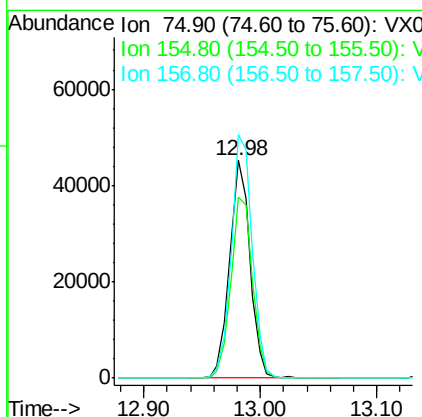
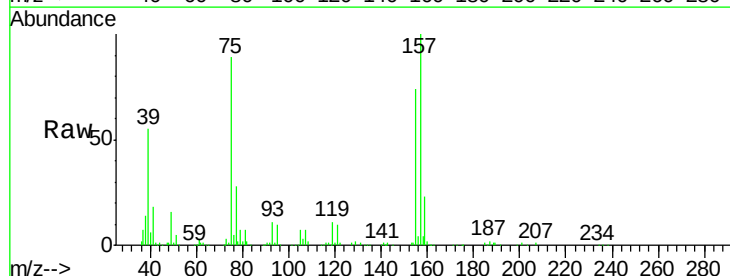
Manual Integrations
 APPROVED

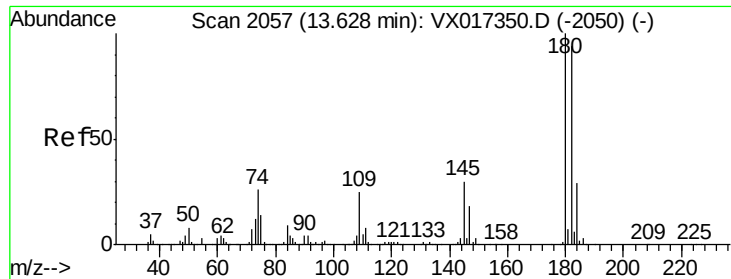
MMDadoda
 7/15/2020 11:43:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.782 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017365.D
 Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	46.5	139.3
157	114.4	58.0	173.9





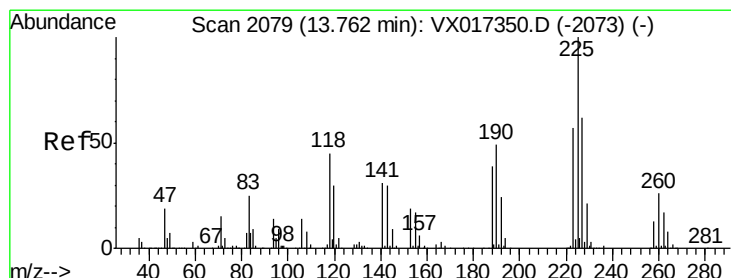
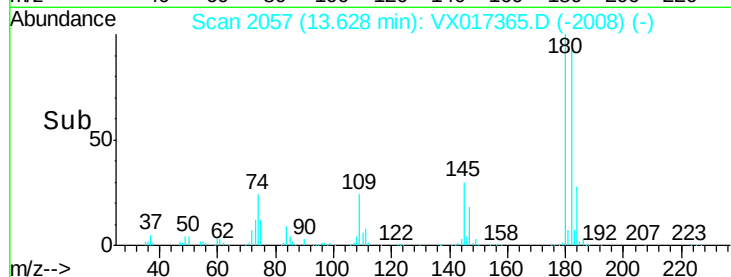
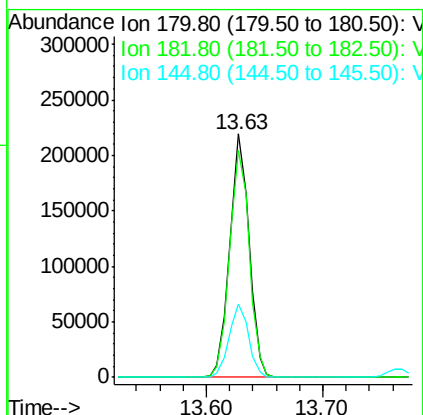
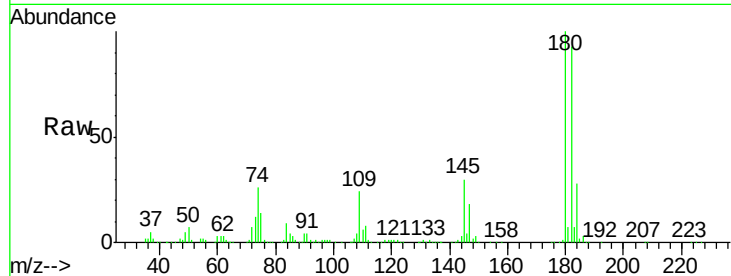
#93
1,2,4-Trichlorobenzene
Concen: 50.744 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	255430		
182	95.3	48.4	145.0	
145	30.3	15.3	45.8	

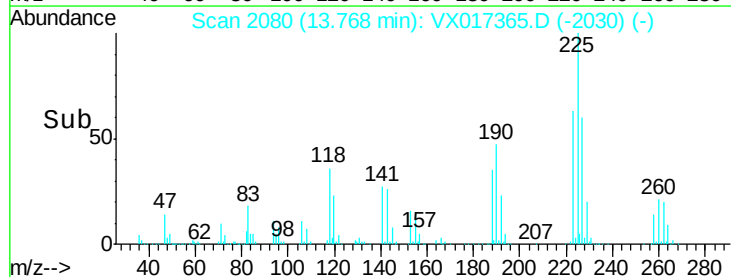
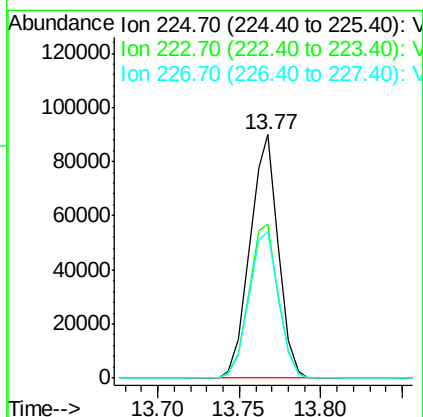
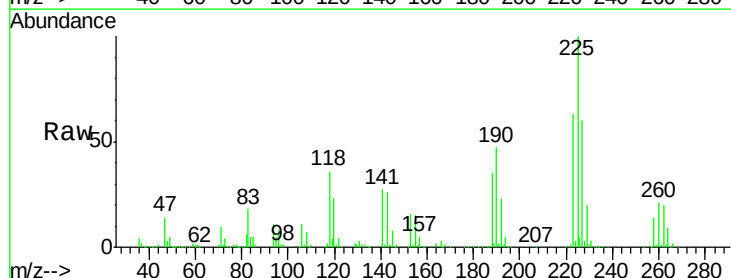
Manual Integrations
APPROVED

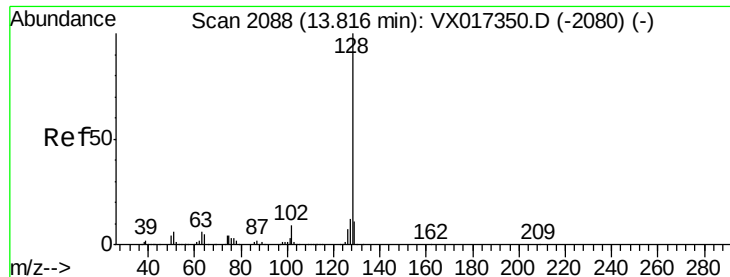
MMDadoda
7/15/2020 11:43:00 AM



#94
Hexachlorobutadiene
Concen: 52.836 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017365.D
Acq: 14 Jul 2020 09:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108462		
223	65.8	31.3	93.8	
227	63.2	31.6	95.0	





#95

Naphthalene

Concen: 52.376 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Instrument :

MSVOA_X

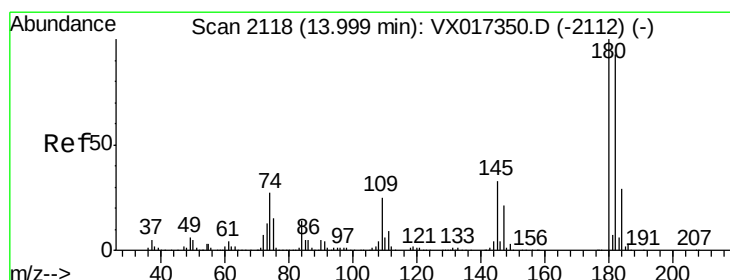
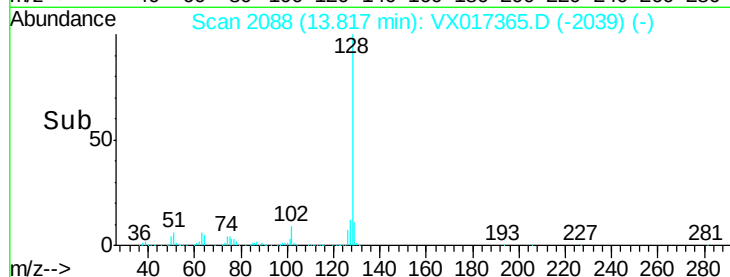
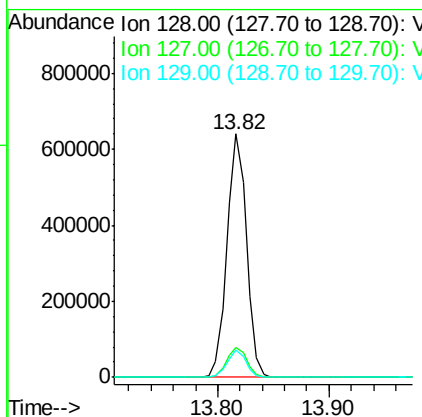
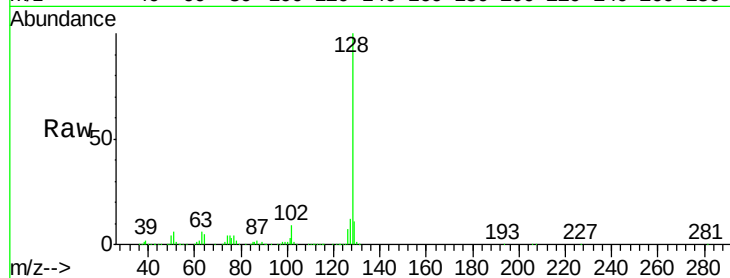
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	775182
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2020 11:43:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.006 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VX017365.D

Acq: 14 Jul 2020 09:32

Tgt Ion:	180	Resp:	252875
Ion Ratio	Lower	Upper	
180	100		
182	92.9	48.8	146.3
145	31.5	16.6	49.7

