

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009661.D
 Acq On : 17 May 2019 14:26
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 11:16:55 AM

Quant Time: May 18 05:27:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	27393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	160940	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	144202	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	69346	30.52	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.73%
60) 4-Bromofluorobenzene	11.13	95	72709	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	8.71	98	204646	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	24656	16.939	ug/l 98
3) Chloromethane	1.32	50	38439	19.647	ug/l 99
4) Vinyl Chloride	1.41	62	36753	18.830	ug/l 97
5) Bromomethane	1.64	94	24485	19.790	ug/l 97
6) Chloroethane	1.71	64	23444	18.315	ug/l 100
7) Trichlorofluoromethane	1.92	101	47578	19.741	ug/l 98
8) Diethyl Ether	2.19	74	22836	20.405	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29978	20.090	ug/l 99
10) 1,1-Dichloroethene	2.37	96	28601	19.089	ug/l 89
11) Methyl Iodide	2.51	142	32028	19.664	ug/l 99
12) Methyl Acetate	2.78	43	58175	20.614	ug/l 96
13) Acrolein	2.29	56	46123	119.159	ug/l 99
14) Acrylonitrile	3.14	53	128289	104.747	ug/l 100
15) Acetone	2.45	58	37977	107.999	ug/l 95
16) Carbon Disulfide	2.57	76	73809	18.207	ug/l 99
17) Allyl chloride	2.73	41	70350	19.558	ug/l 97
18) Methylene Chloride	2.85	84	36580	20.201	ug/l 96
19) trans-1,2-Dichloroethene	3.17	96	31848	19.936	ug/l 96
20) Diisopropyl ether	3.85	45	144377	20.382	ug/l 100
21) 1,1-Dichloroethane	3.70	63	68167	19.885	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	38451	19.982	ug/l 98
23) tert-Butyl Alcohol	3.05	59	56103	108.332	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	118424	20.197	ug/l 99
25) Chloroform	5.21	83	64405	20.588	ug/l 95
26) Cyclohexane	5.58	56	62420	19.537	ug/l # 98
29) 1,1-Dichloropropene	5.80	75	47029	19.915	ug/l 99
30) 2-Butanone	4.67	43	197927	107.021	ug/l 100
31) 2,2-Dichloropropane	4.58	77	50878	19.543	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	51746	20.213	ug/l 98
33) Carbon Tetrachloride	5.79	117	42847	20.004	ug/l 97
34) Benzene	6.14	78	146692	20.149	ug/l 99
35) Methacrylonitrile	5.04	41	40524	20.943	ug/l 97
36) 1,2-Dichloroethane	6.19	62	55404	20.972	ug/l 98
37) Trichloroethene	7.21	130	34713	19.807	ug/l 93
38) Methylcyclohexane	7.46	83	58339	19.995	ug/l 99
39) 1,2-Dichloropropane	7.51	63	42931	20.707	ug/l 95
40) Dibromomethane	7.66	93	23954	20.356	ug/l 99

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 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	48729	20.273	ug/l	96
42) Vinyl Acetate	3.81	43	632296	103.588	ug/l	100
43) Ethyl Acetate	4.84	43	71051	21.261	ug/l	98
44) Isopropyl Acetate	6.45	43	111221	20.544	ug/l	99
45) 1,4-Dioxane	7.74	88	22845	429.802	ug/l	98
46) Methyl methacrylate	7.77	41	55429	20.513	ug/l	96
47) n-amyl Acetate	10.90	43	100765	20.661	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	54936	19.588	ug/l	96
49) cis-1,3-Dichloropropene	8.43	75	60547	19.666	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	36843	20.436	ug/l	98
51) Ethyl methacrylate	9.18	69	66126	19.848	ug/l	98
52) 1,3-Dichloropropane	9.37	76	65738	20.546	ug/l	99
53) Dibromochloromethane	9.58	129	35748	19.910	ug/l	97
54) 1,2-Dibromoethane	9.67	107	37644	20.359	ug/l	100
55) 2-Chloroethyl vinyl ether	8.31	63	220460	124.182	ug/l	99
56) Bromoform	10.85	173	26641	19.329	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	376748	106.253	ug/l	100
59) 2-Hexanone	9.49	43	297578	107.000	ug/l	99
61) Tetrachloroethene	9.34	164	31816	20.014	ug/l	96
62) Toluene	8.78	91	155093	20.128	ug/l	100
64) Chlorobenzene	10.13	112	94881	20.460	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.22	131	33824	19.920	ug/l	99
66) Ethyl Benzene	10.25	91	174140	20.286	ug/l	99
67) m/p-Xylenes	10.36	106	127062	40.542	ug/l	100
68) o-Xylene	10.69	106	62436	20.260	ug/l	98
69) Styrene	10.71	104	108423	20.042	ug/l	99
70) Isopropylbenzene	11.02	105	169363	20.435	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	63563	20.941	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	55226m	21.114	ug/l	
73) Bromobenzene	11.26	156	41735	20.381	ug/l	99
74) n-propylbenzene	11.36	91	196583	20.468	ug/l	99
75) 2-Chlorotoluene	11.42	91	118082	20.498	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	143816	20.485	ug/l	99
77) t-1,4-Dichloro-2-butene	11.07	75	19484	18.467	ug/l	96
78) 4-Chlorotoluene	11.51	91	132763	20.292	ug/l	99
79) tert-butylbenzene	11.77	119	138061	20.343	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	143443	20.386	ug/l	99
81) sec-Butylbenzene	11.94	105	166373	20.633	ug/l	99
82) p-Isopropyltoluene	12.06	119	149439	20.374	ug/l	99
83) 1,3-Dichlorobenzene	12.02	146	74963	20.499	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	72960	20.025	ug/l	99
85) n-Butylbenzene	12.38	91	134634	20.060	ug/l	100
86) Hexachloroethane	12.60	117	24378	19.532	ug/l	97
87) 1,2-Dichlorobenzene	12.39	146	76214	20.703	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.00	75	14521	20.587	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	53837	20.519	ug/l	99
90) Hexachlorobutadiene	13.78	225	27844	21.245	ug/l	98
91) Naphthalene	13.83	128	175557	20.436	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	56031	21.008	ug/l	99

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ClientSampleId :
VSTDCCC020EC

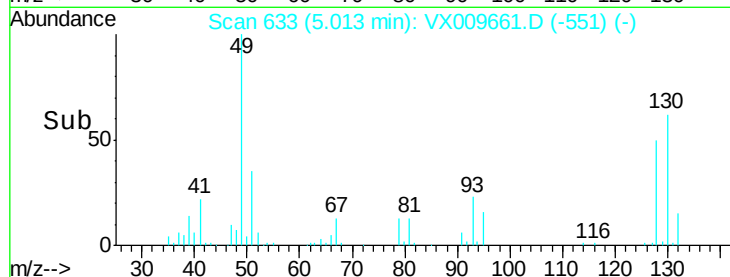
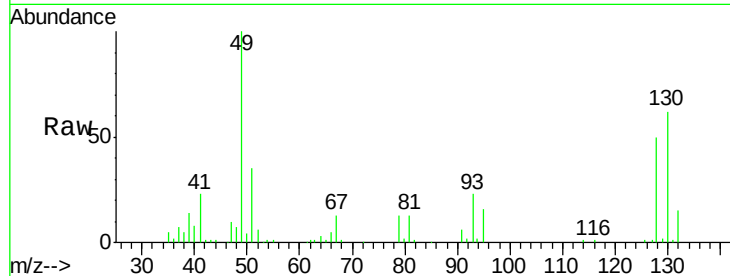
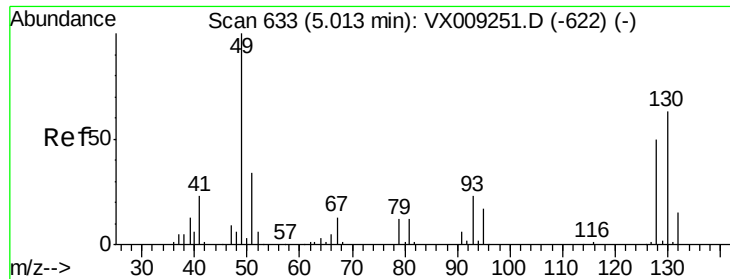
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



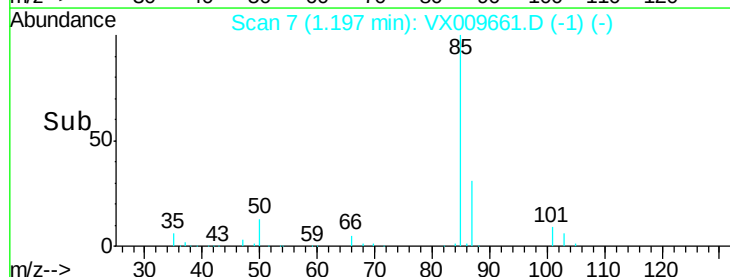
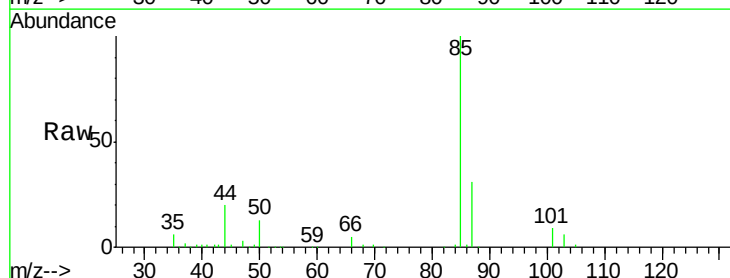
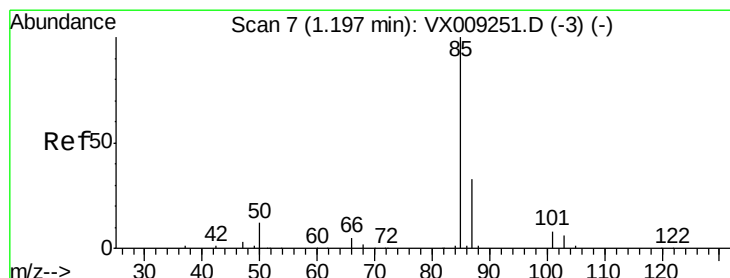
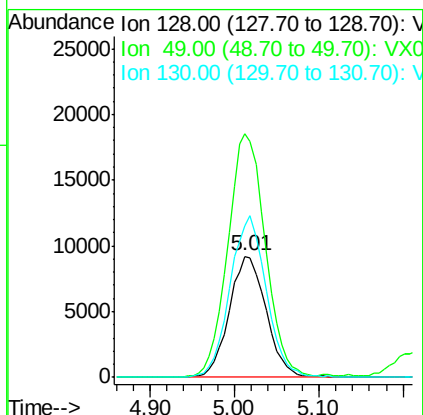
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tot Ion	Ratio	Lower	Upper
128	100		
49	204.4	0.0	515.0
130	131.0	0.0	323.3

Instrument :
MSVOA_X
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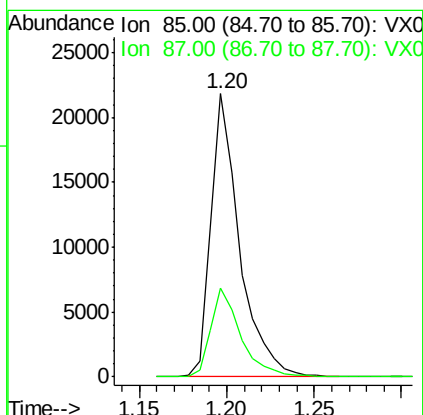
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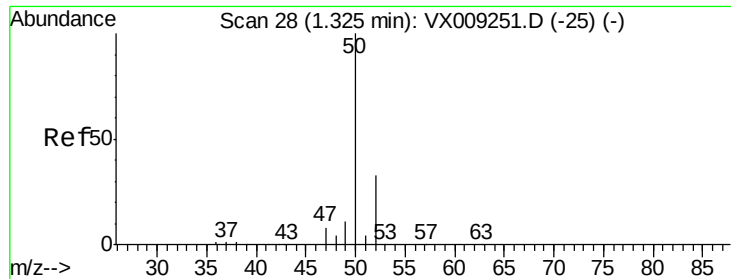
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#2
Dichlorodifluoromethane
Concen: 16.939 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.3	48.9





#3

Chloromethane

Concen: 19.647 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 38439

Ion Ratio Lower Upper

50 100

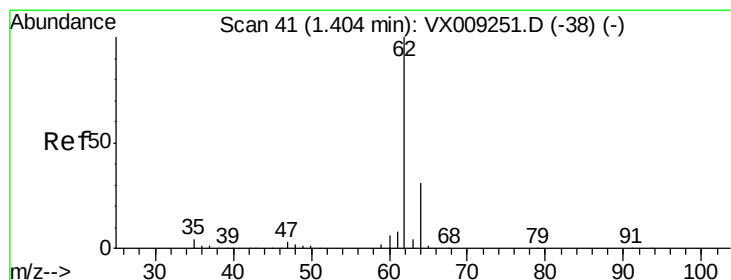
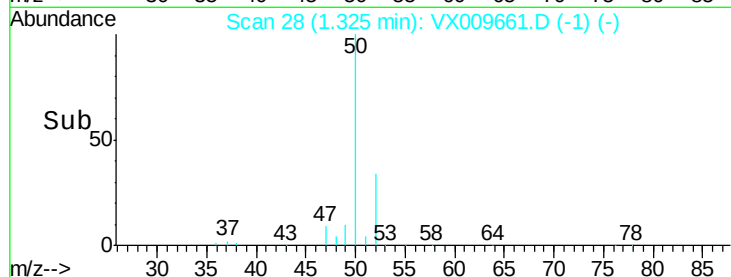
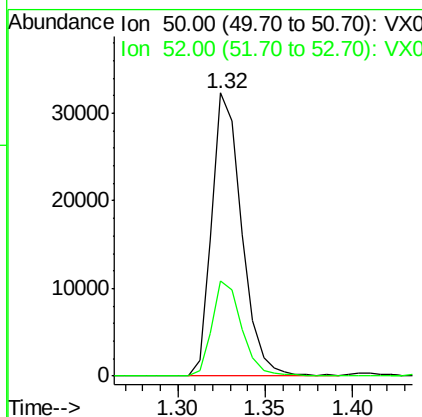
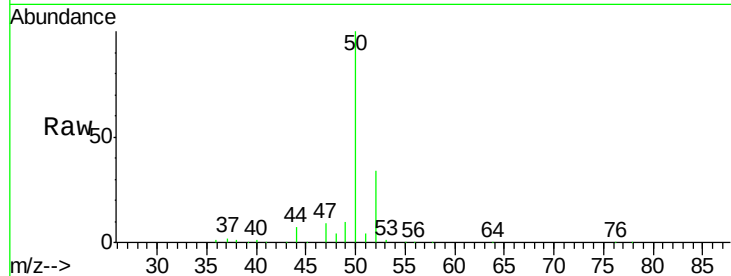
52 33.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 18.830 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX009661.D

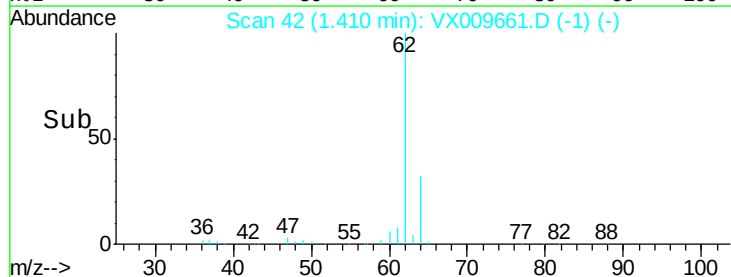
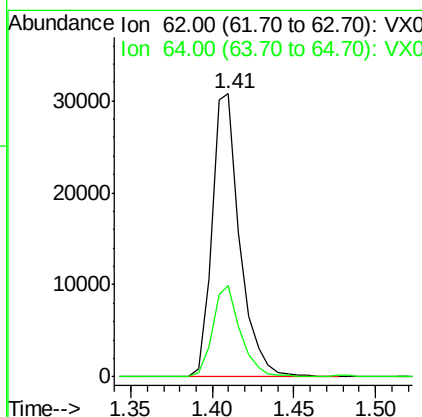
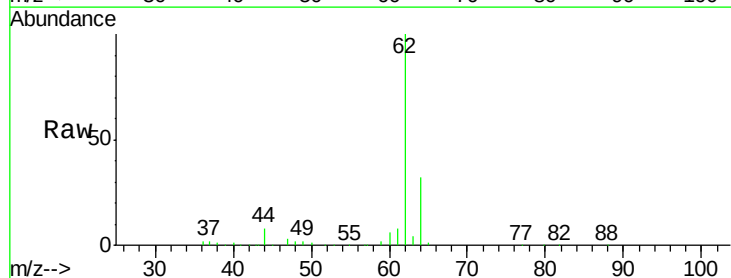
Acq: 17 May 2019 14:26

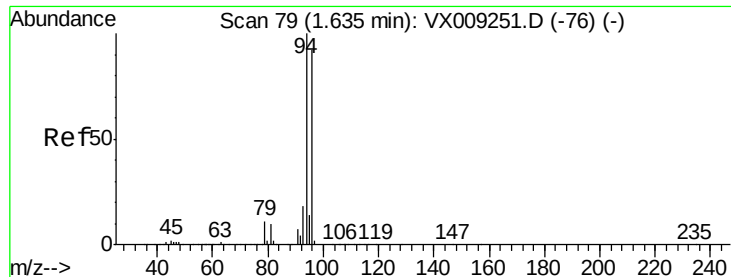
Tgt Ion: 62 Resp: 36753

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8





#5

Bromomethane

Concen: 19.790 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 24485

Ion Ratio Lower Upper

94 100

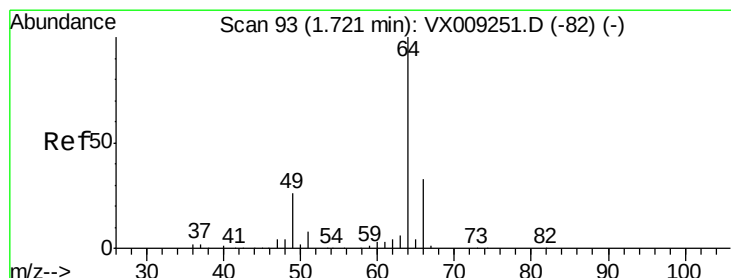
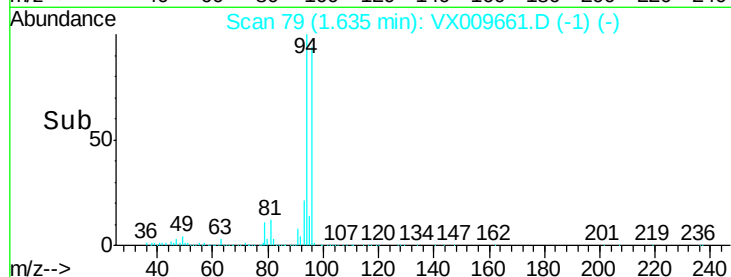
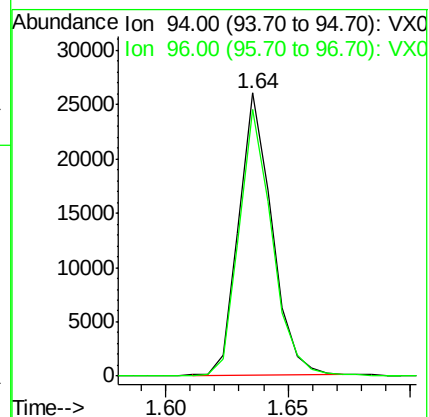
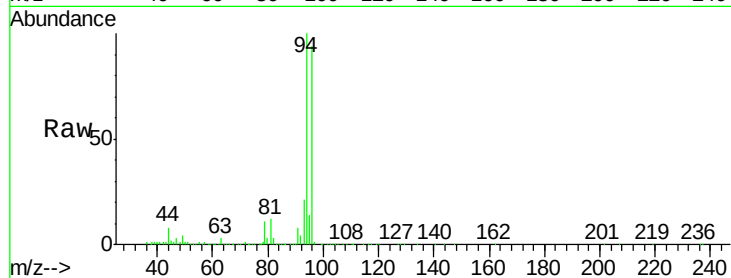
96 94.6 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 18.315 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009661.D

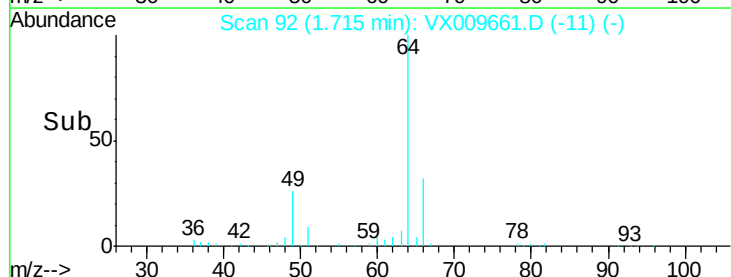
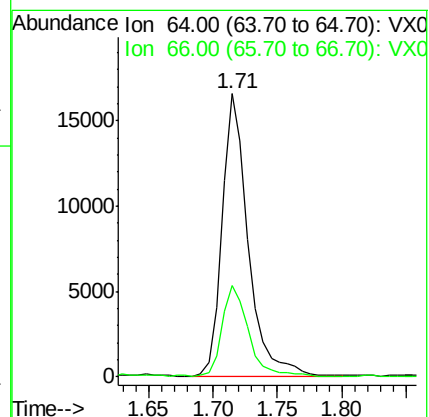
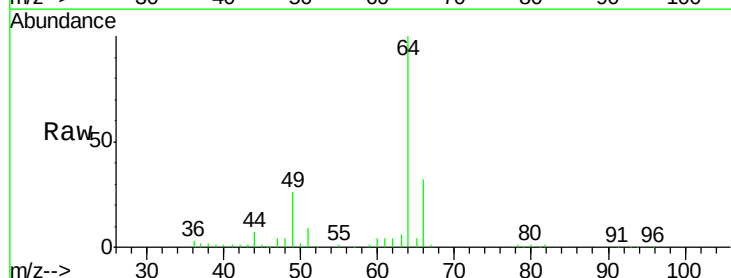
Acq: 17 May 2019 14:26

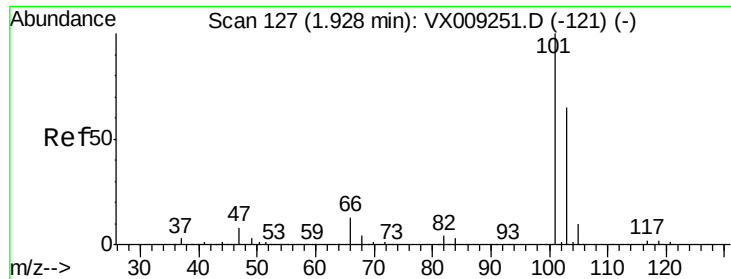
Tgt Ion: 64 Resp: 23444

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9





#7

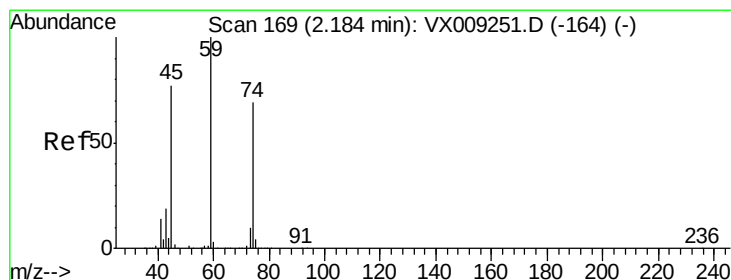
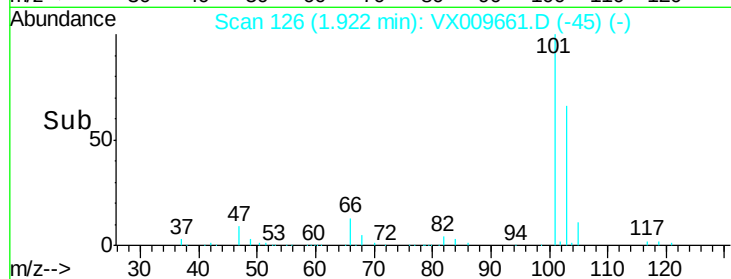
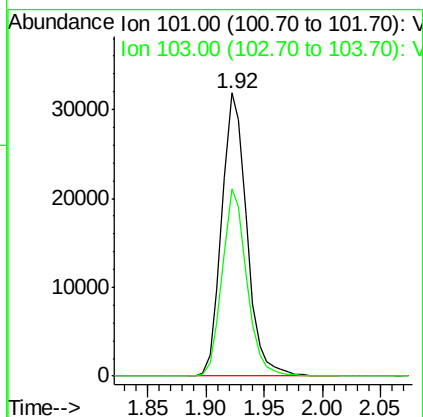
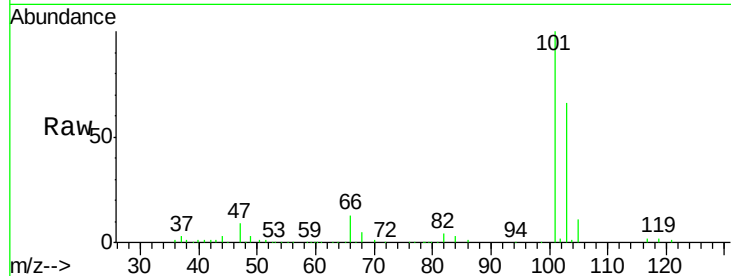
Trichlorofluoromethane
Concen: 19.741 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.9	77.9

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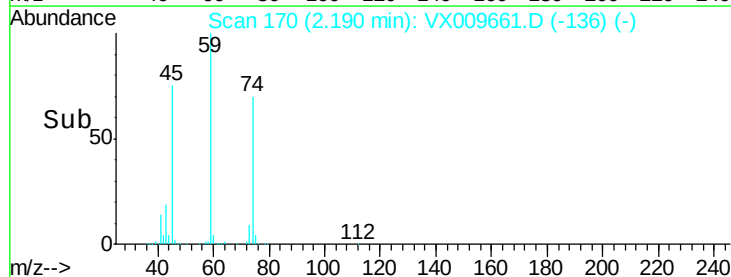
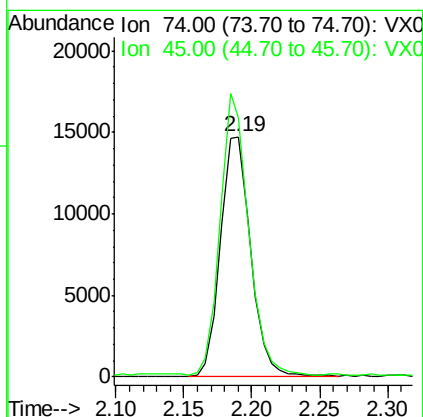
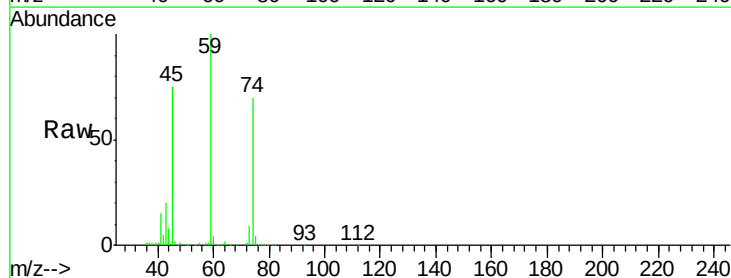
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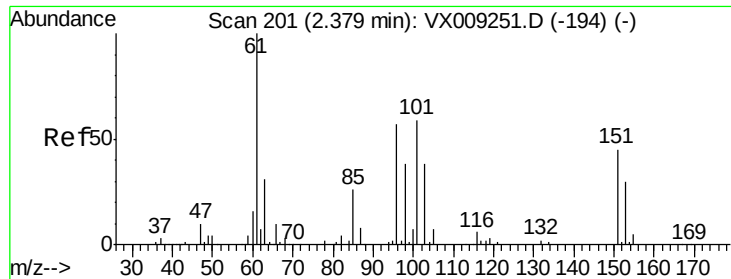


#8

Diethyl Ether
Concen: 20.405 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	21.5	193.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.090 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

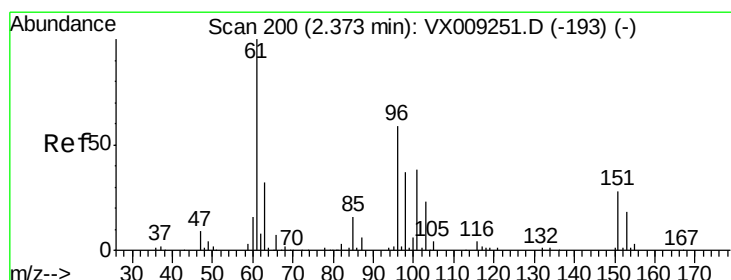
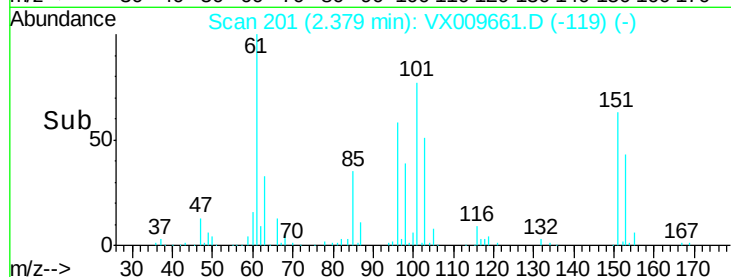
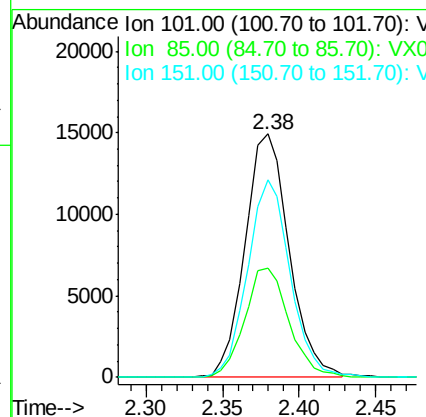
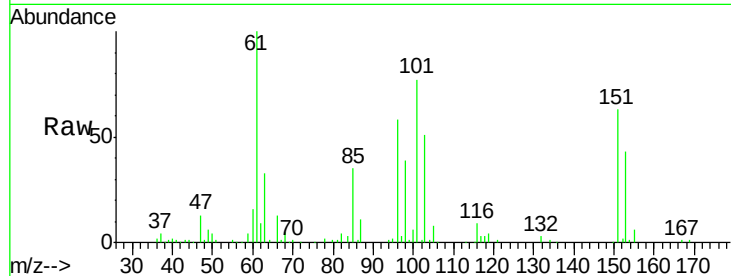
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	29978
Ion Ratio	Lower	Upper	
101	100		
85	44.8	0.0	87.4
151	78.3	0.0	157.0

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#10

1,1-Dichloroethene

Concen: 19.089 ug/l

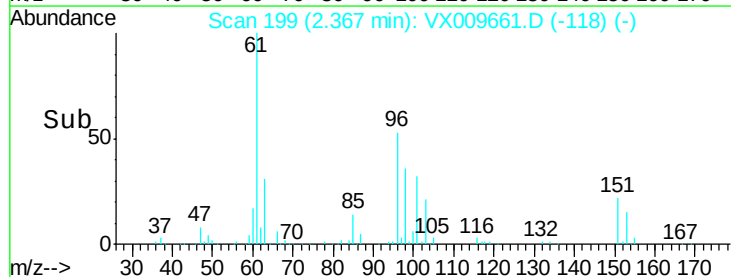
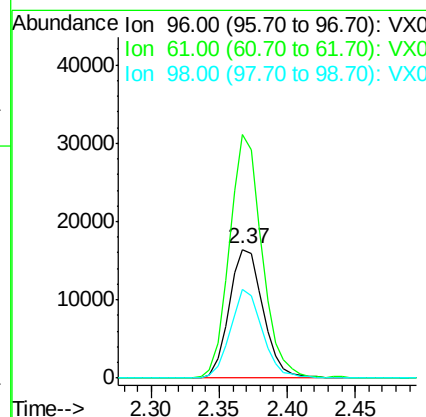
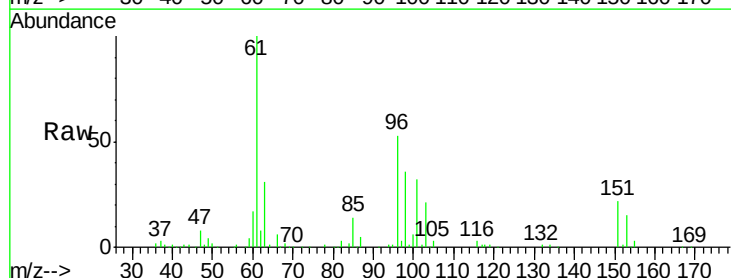
RT: 2.37 min Scan# 199

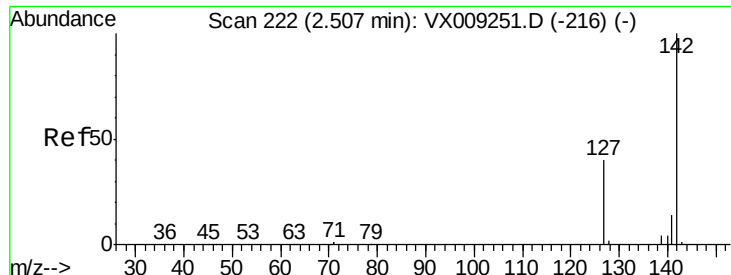
Delta R.T. -0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	96	Resp:	28601
Ion Ratio	Lower	Upper	
96	100		
61	188.5	136.5	204.7
98	68.8	51.0	76.4





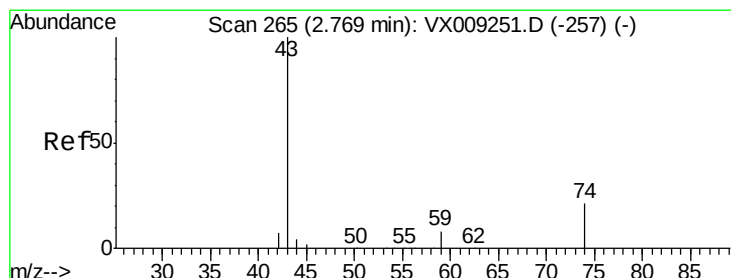
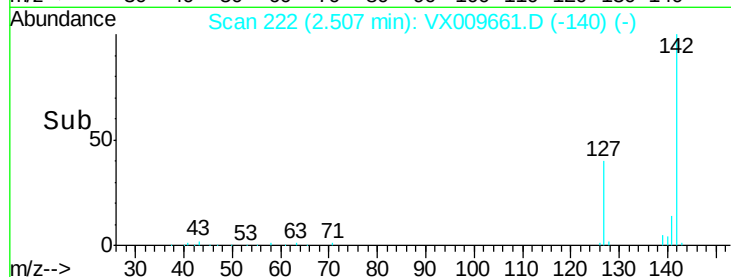
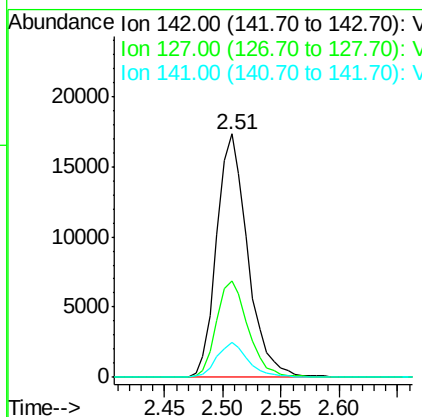
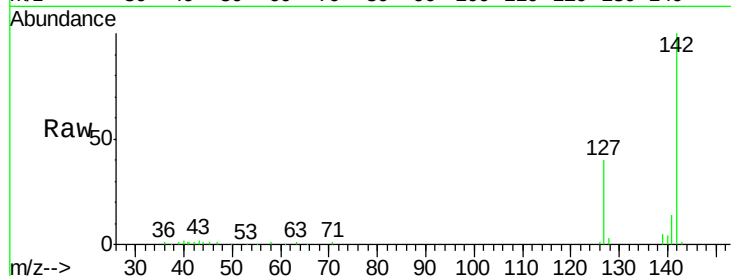
#11
Methyl Iodide
Concen: 19.664 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	20.2	60.5
141	14.3	6.9	20.7

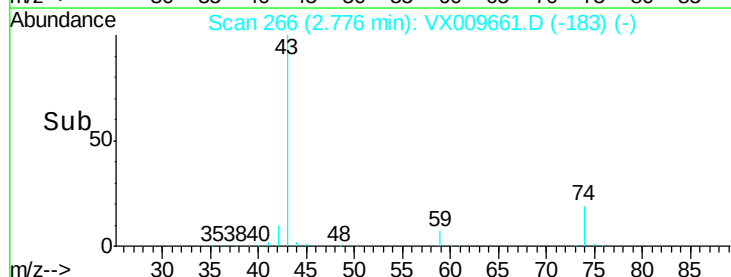
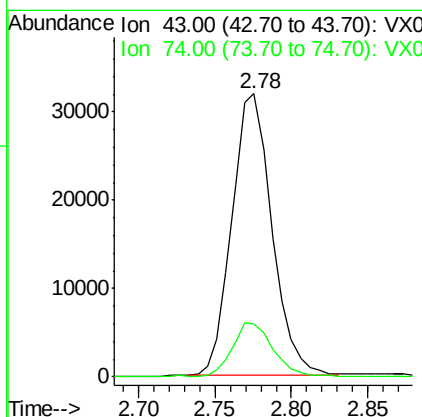
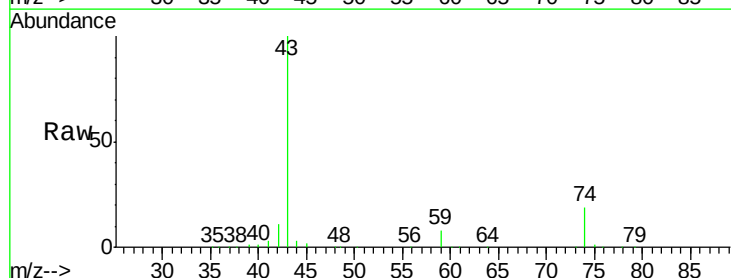
Manual Integrations
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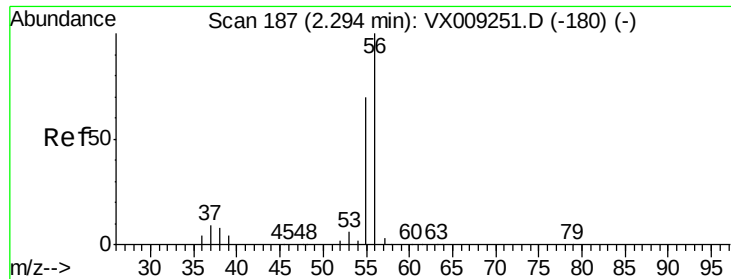
MMDadoda
5/20/2019 11:16:55 AM



#12
Methyl Acetate
Concen: 20.614 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.7	16.5	24.7





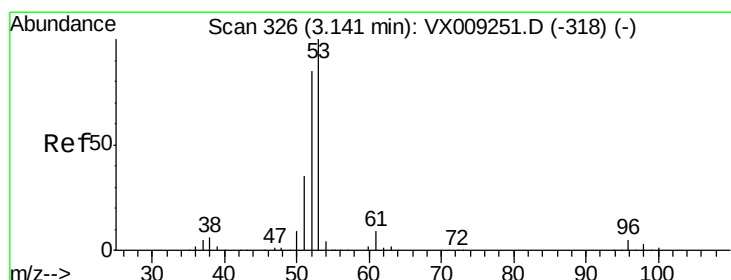
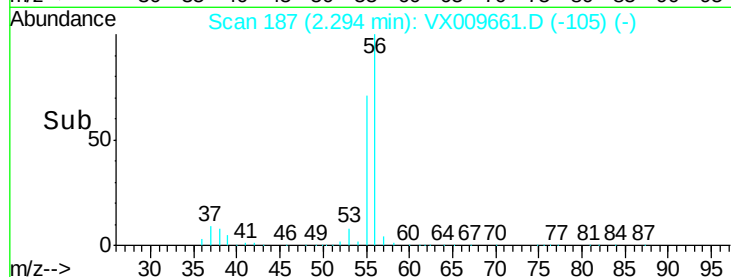
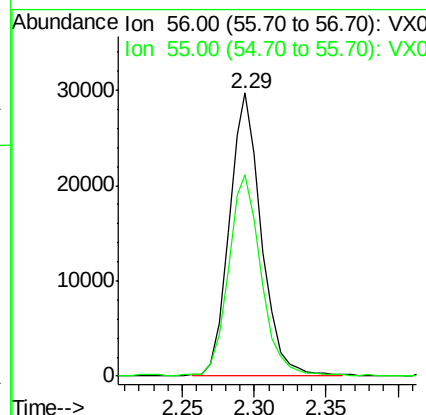
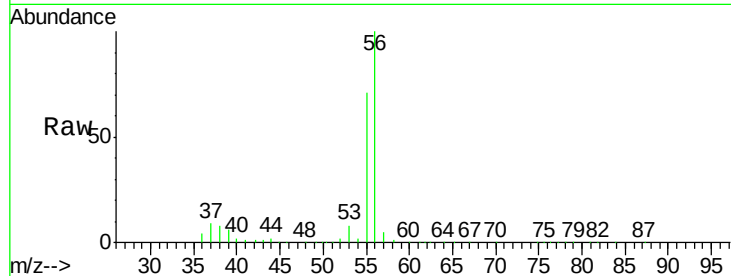
#13
Acrolein
Concen: 119.159 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.1	56.9	85.3

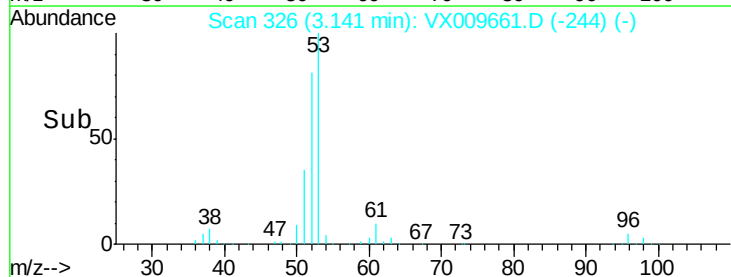
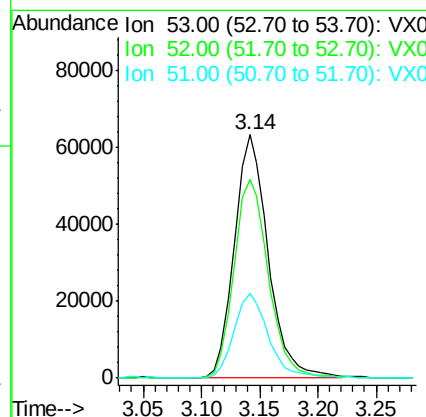
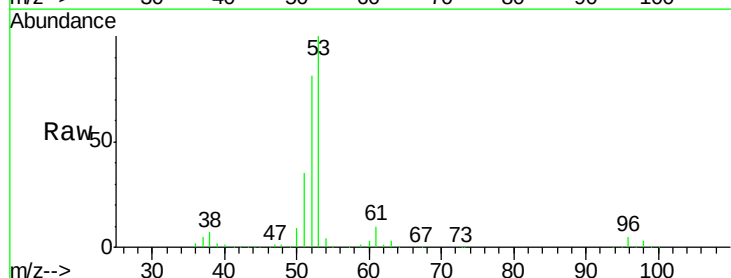
Manual Integrations
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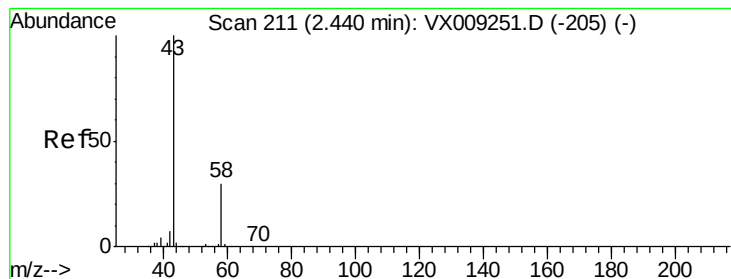
MMDadoda
5/20/2019 11:16:55 AM



#14
Acrylonitrile
Concen: 104.747 ug/l
RT: 3.14 min Scan# 326
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	83.3	41.5	124.5
51	51	35.7	17.8	53.3





#15

Acetone

Concen: 107.999 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 37977

Ion Ratio Lower Upper

58 100

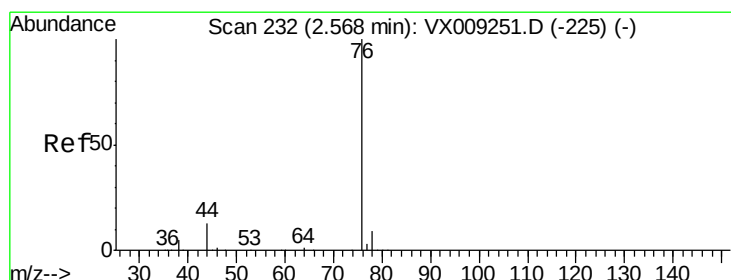
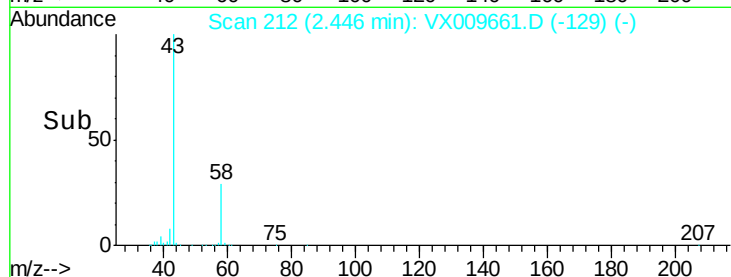
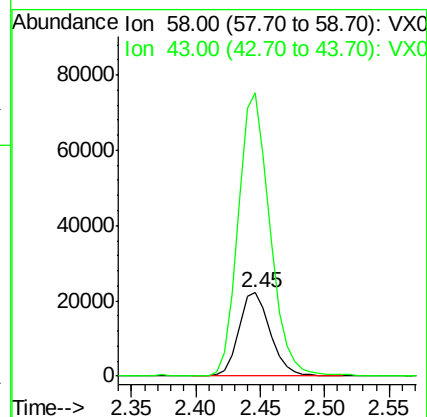
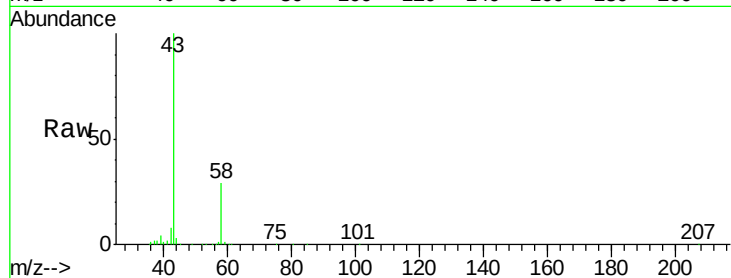
43 340.1 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.207 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009661.D

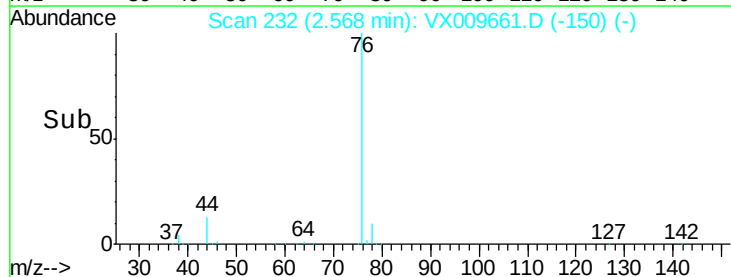
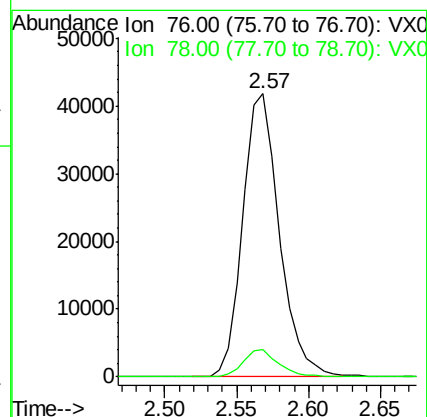
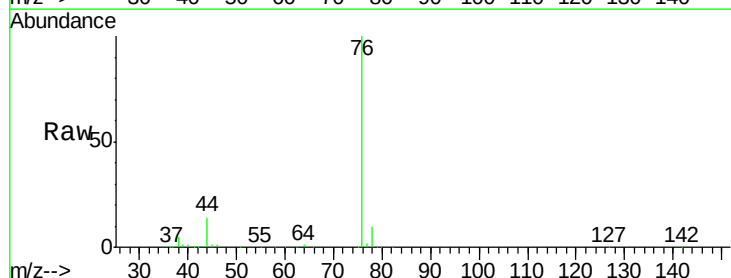
Acq: 17 May 2019 14:26

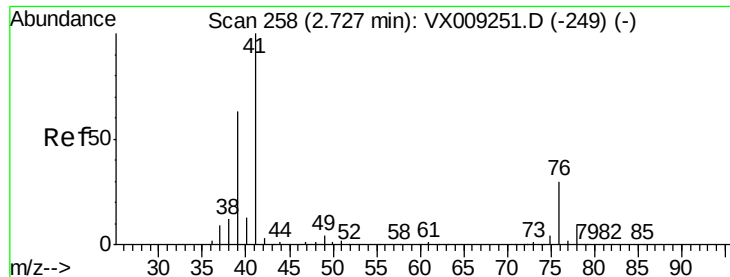
Tgt Ion: 76 Resp: 73809

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2





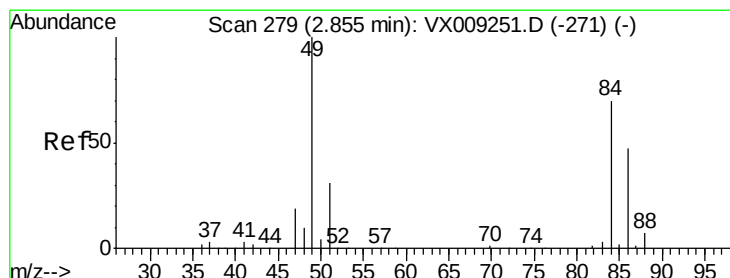
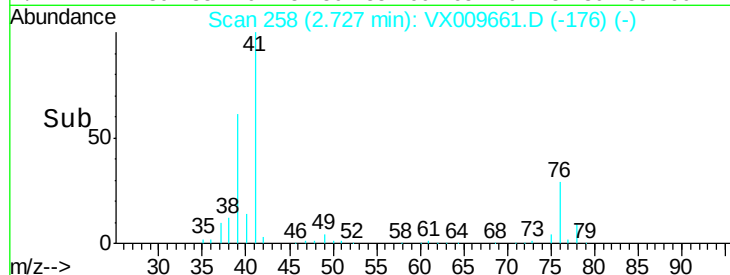
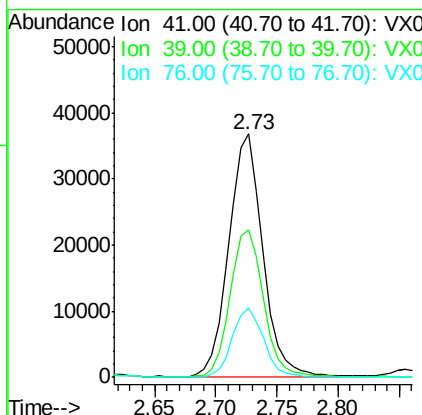
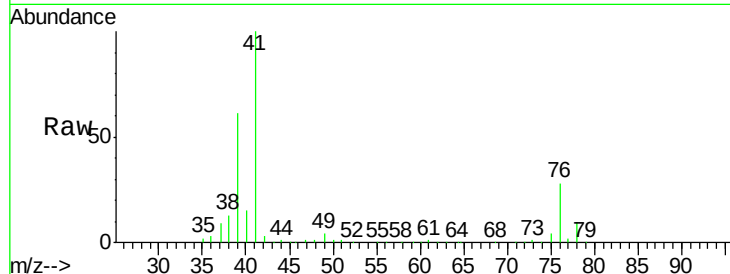
#17
Allvl chloride
Concen: 19.558 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	70350
Ion	Ratio	Lower	Upper
41	100		
39	60.7	31.6	94.7
76	28.3	15.1	45.3

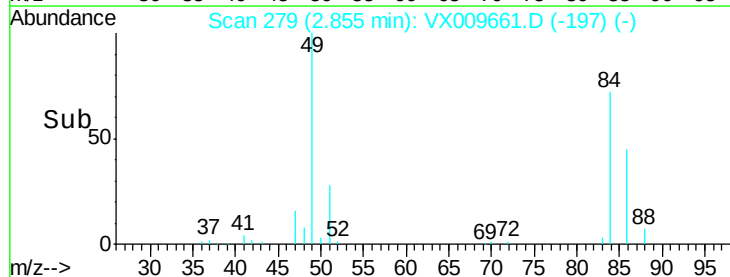
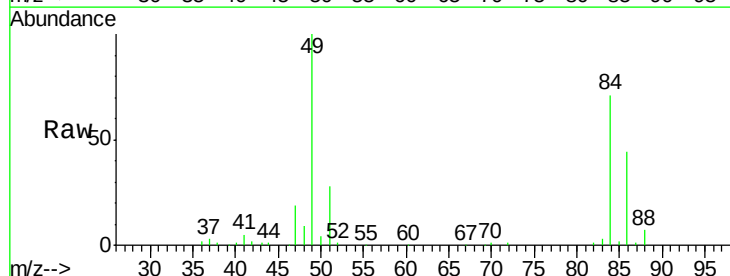
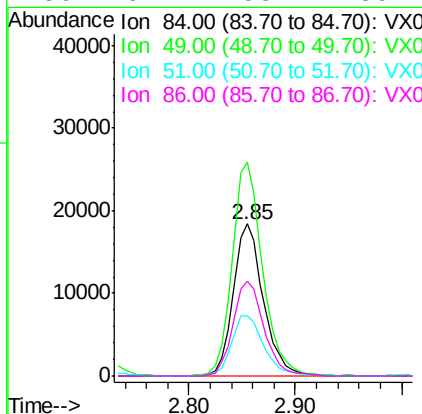
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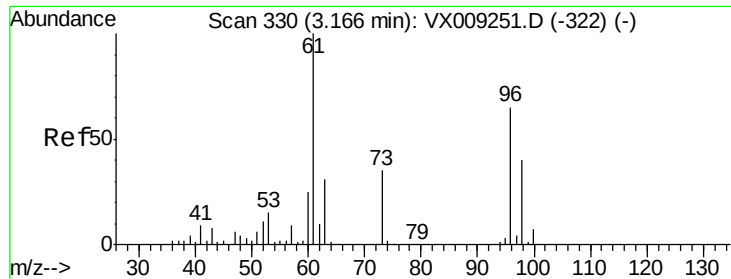
MMDadoda
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#18
Methylene Chloride
Concen: 20.201 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion:	84	Resp:	36580
Ion	Ratio	Lower	Upper
84	100		
49	140.3	114.6	171.8
51	39.5	35.5	53.3
86	62.2	53.4	80.2





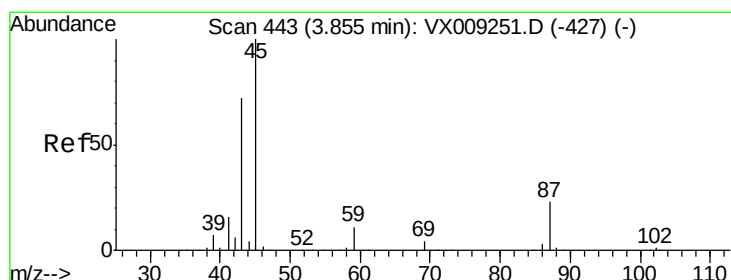
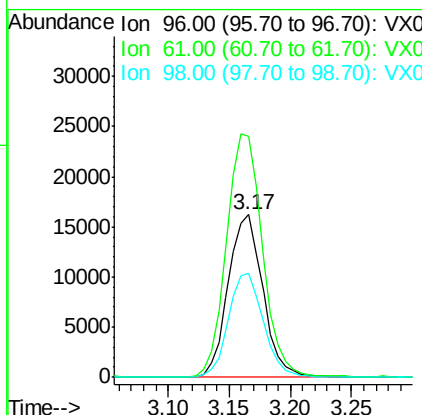
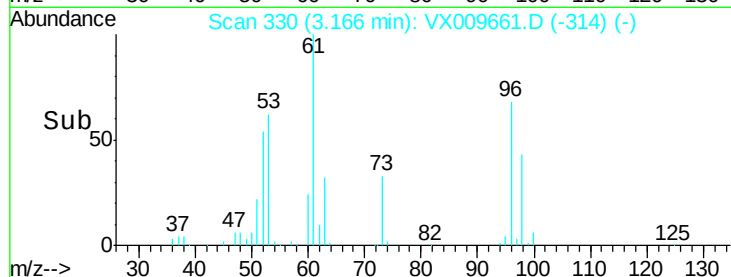
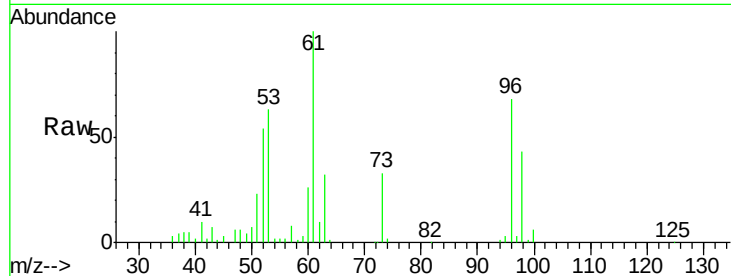
#19
trans-1,2-Dichloroethene
Concen: 19.936 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	147.3	122.7	184.1	
98	63.8	49.5	74.3	

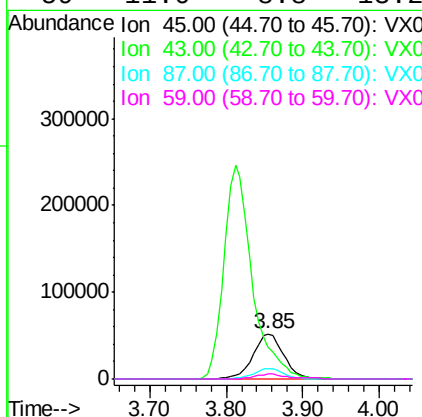
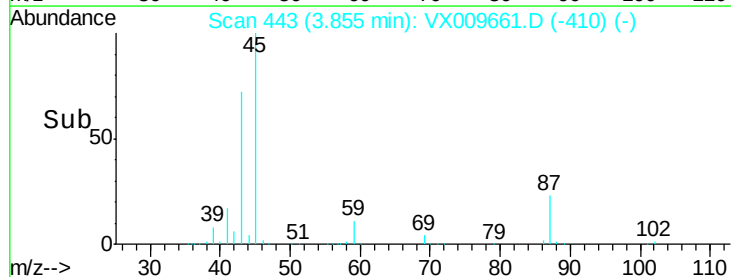
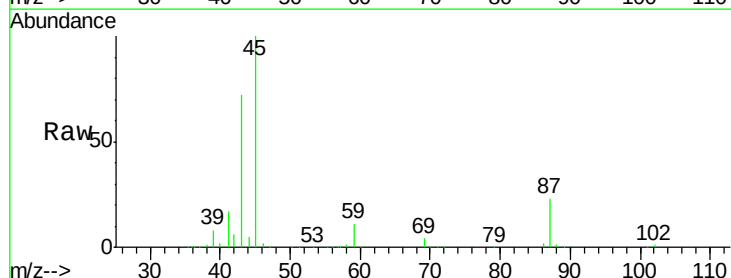
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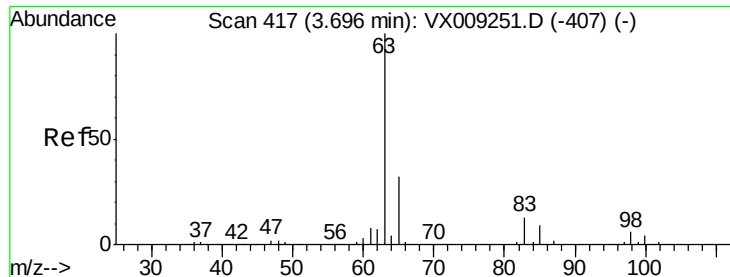
MMDadoda
5/20/2019 11:16:55 AM



#20
Diisopropyl ether
Concen: 20.382 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	72.2	57.7	86.5	
87	22.8	18.5	27.7	
59	11.0	8.8	13.2	





#21

1,1-Dichloroethane

Concen: 19.885 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

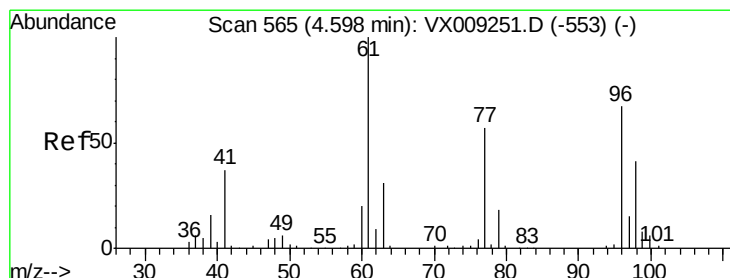
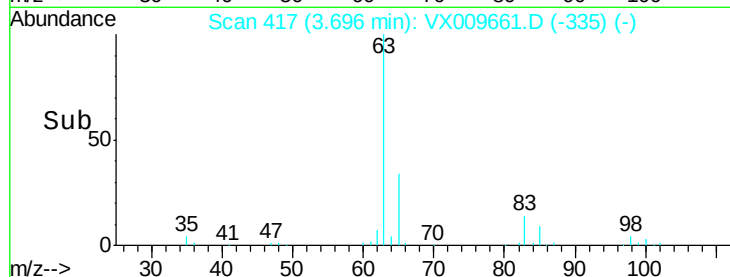
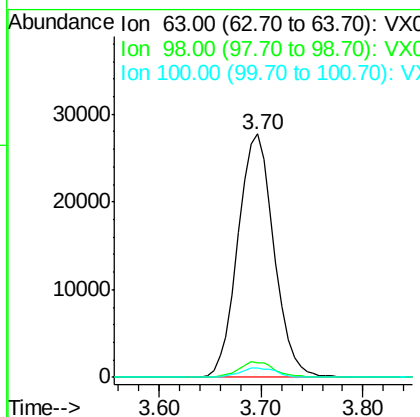
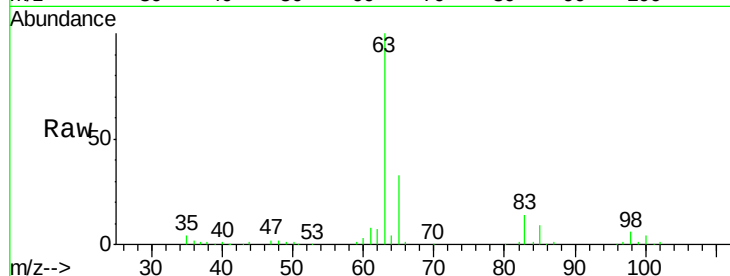
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	68167
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.1	9.3
100	3.6	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.982 ug/l

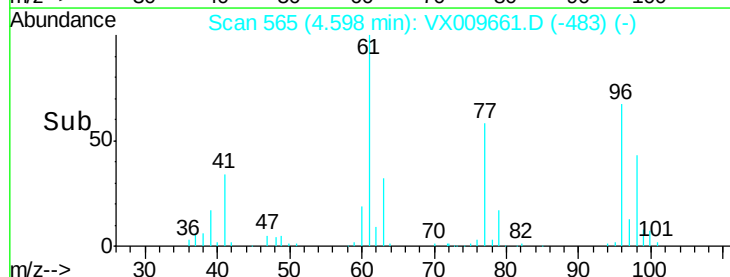
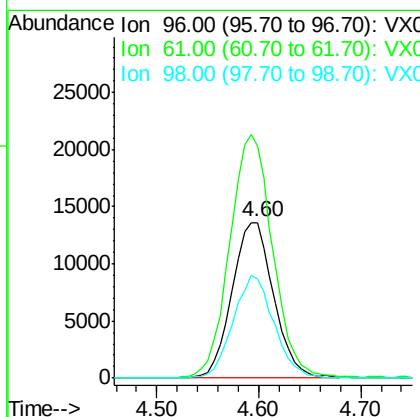
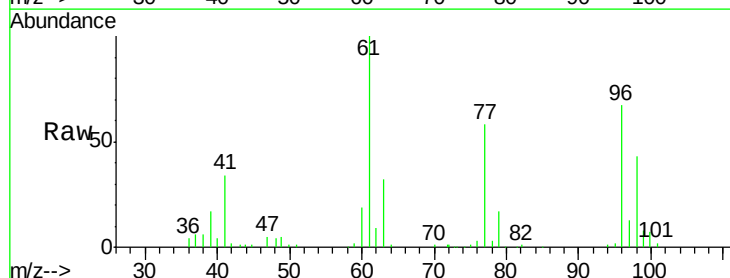
RT: 4.60 min Scan# 565

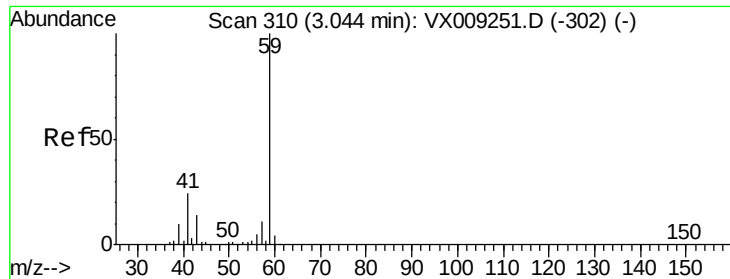
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	96	Resp:	38451
Ion Ratio	Lower	Upper	
96	100		
61	161.8	127.7	191.5
98	65.1	50.5	75.7





#23

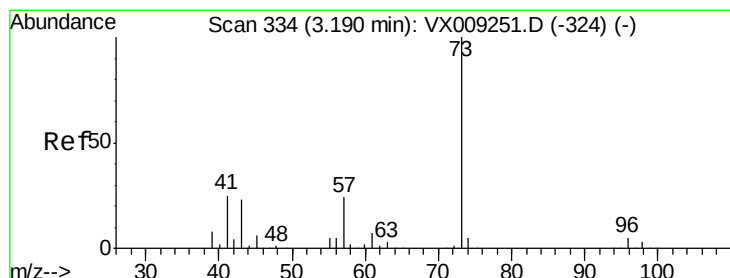
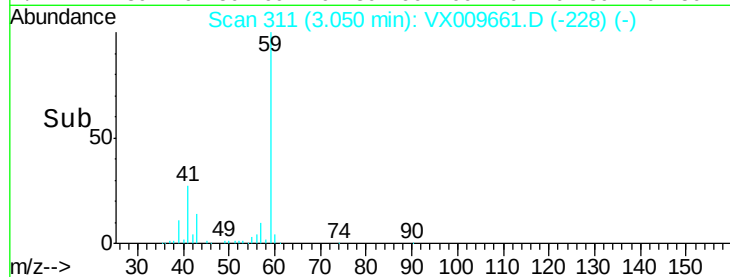
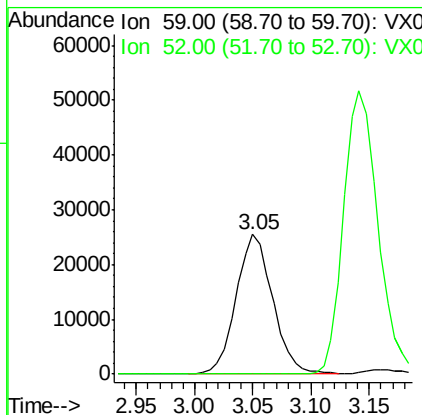
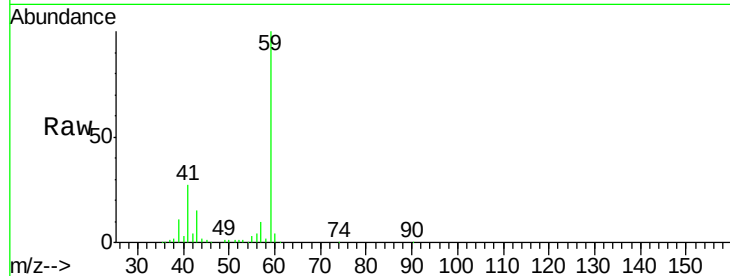
tert-Butyl Alcohol
 Concen: 108.332 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.01 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.4		0.2	0.2#	

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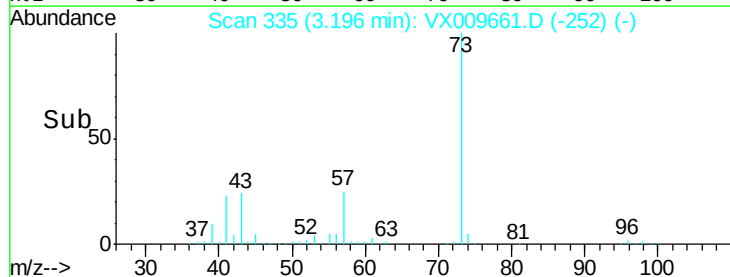
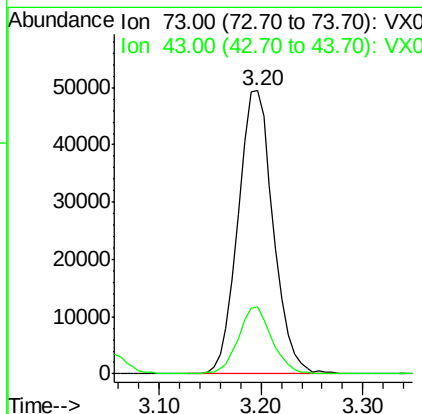
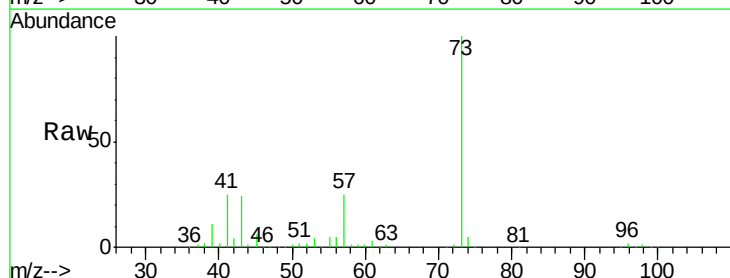
MMDadoda
 5/20/2019 11:16:55 AM

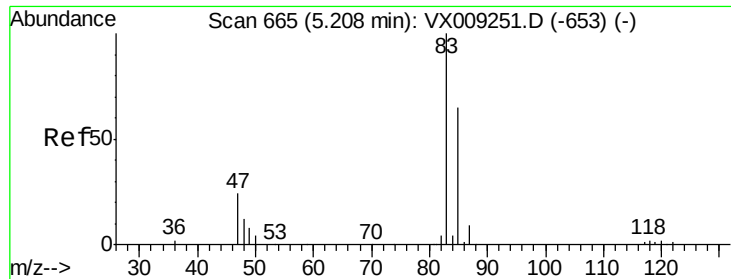


#24

Methyl tert-Butyl Ether
 Concen: 20.197 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	22.3		17.6	26.4	





#25

Chloroform

Concen: 20.588 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 64405

Ion Ratio Lower Upper

83 100

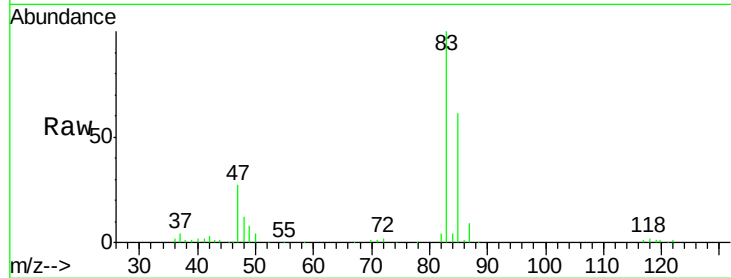
85 61.2 51.9 77.9

Manual Integrations

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5/20/2019 11:16:55 AM



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

10000

5000

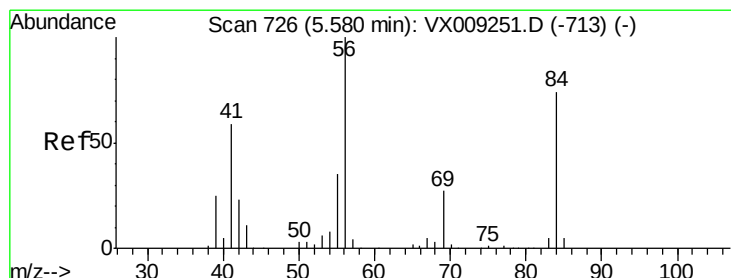
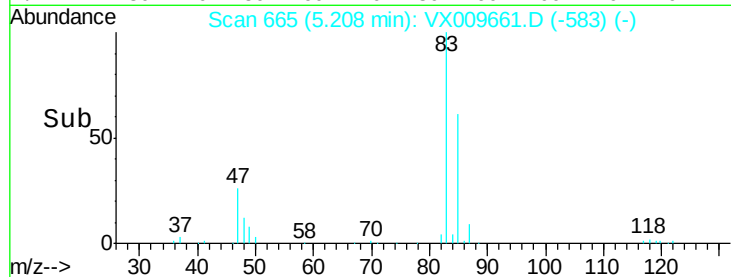
0

Time-->

5.10

5.20

5.30



#26

Cyclohexane

Concen: 19.537 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

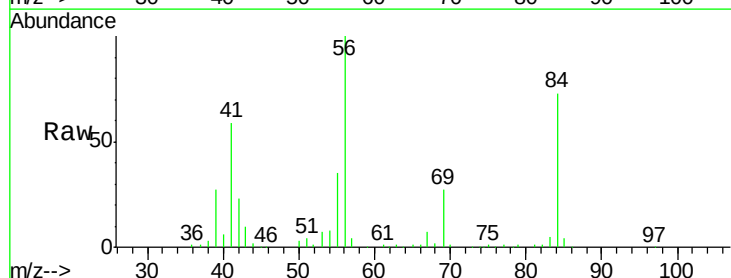
Tgt Ion: 56 Resp: 62420

Ion Ratio Lower Upper

56 100

89 0.2 0.0 0.0#

84 76.1 59.7 89.5



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

30000

20000

10000

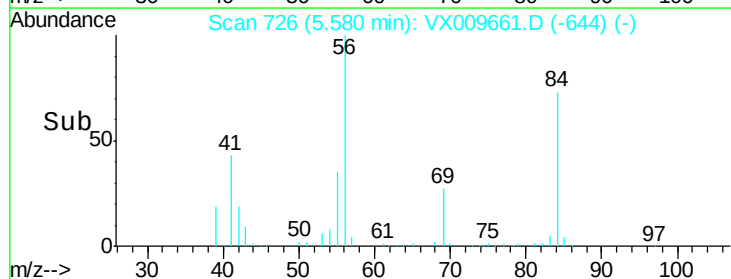
0

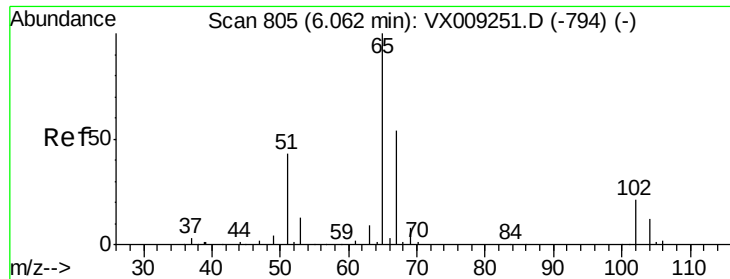
Time-->

5.50

5.60

5.70





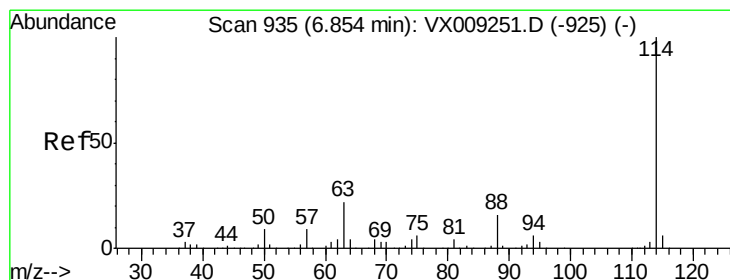
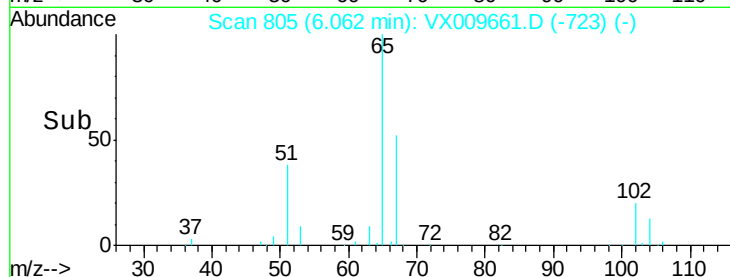
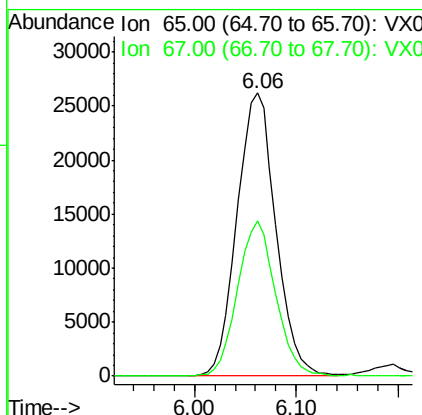
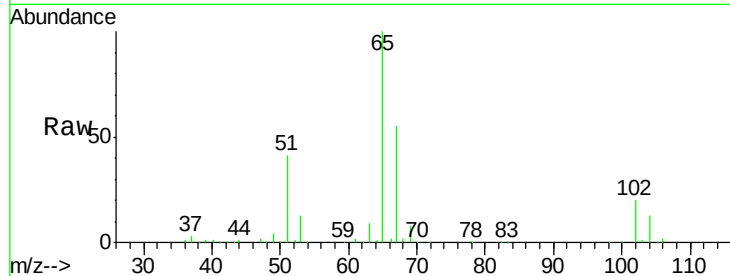
#27
 1,2-Dichloroethane-d4
 Concen: 30.517 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 69346
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.1 64.7

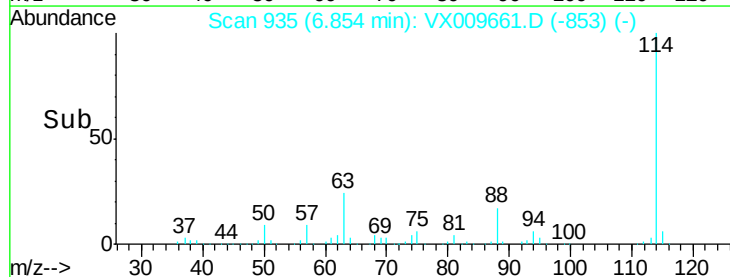
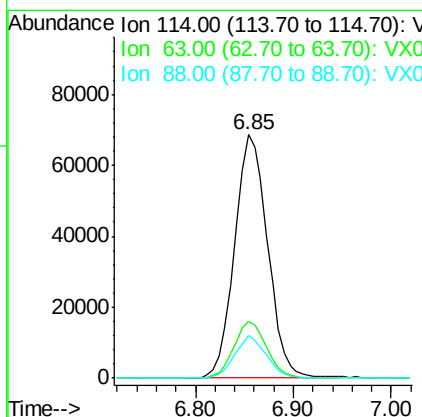
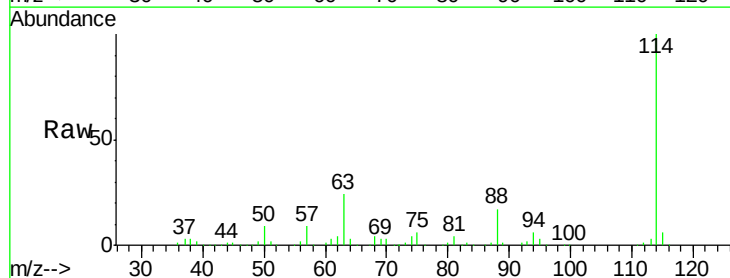
Manual Integrations
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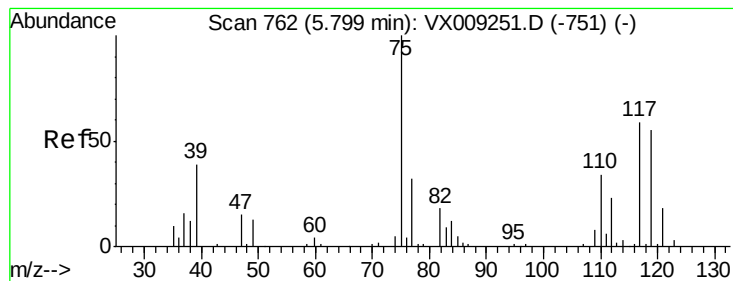
MMDadoda
 5/20/2019 11:16:55 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion: 114 Resp: 160940
 Ion Ratio Lower Upper
 114 100
 63 23.3 18.0 27.0
 88 16.8 13.4 20.0





#29

1,1-Dichloropropene

Concen: 19.915 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 47029

Ion Ratio Lower Upper

75 100

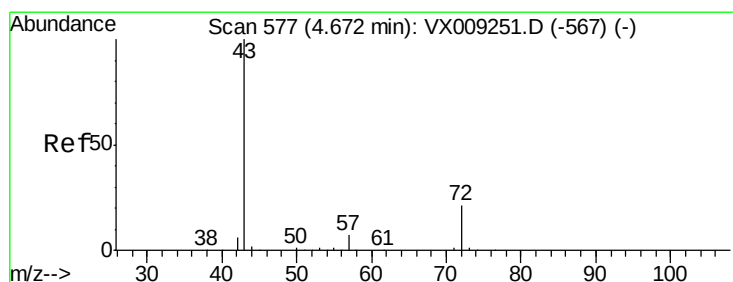
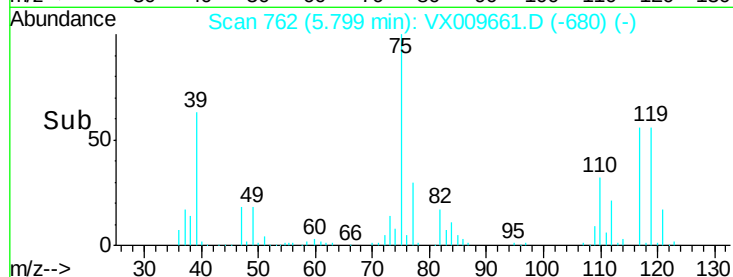
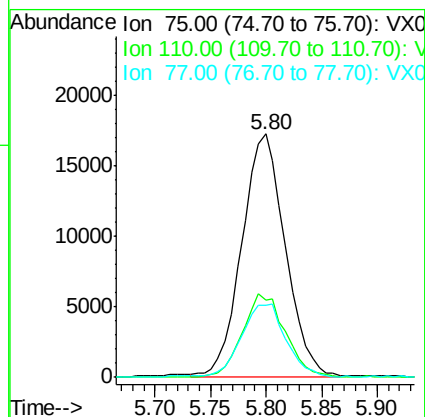
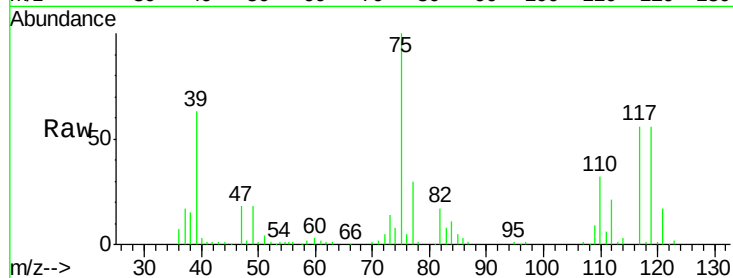
110 33.6 0.0 66.4

77 31.0 0.0 62.2

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#30

2-Butanone

Concen: 107.021 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

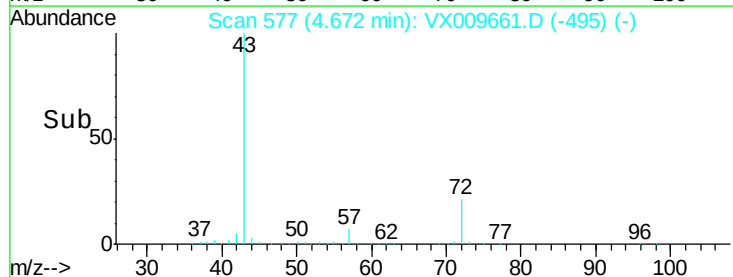
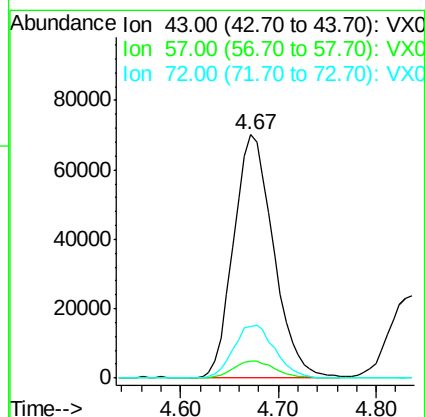
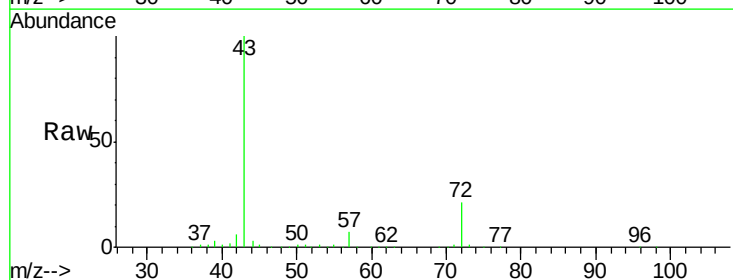
Tgt Ion: 43 Resp: 197927

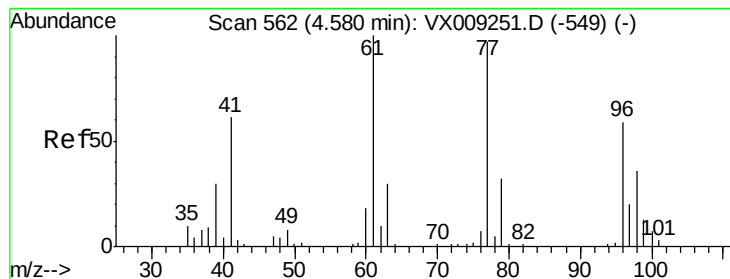
Ion Ratio Lower Upper

43 100

57 7.5 6.0 9.0

72 22.6 18.2 27.4





#31

2,2-Dichloropropane

Concen: 19.543 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 50878

Ion Ratio Lower Upper

77 100

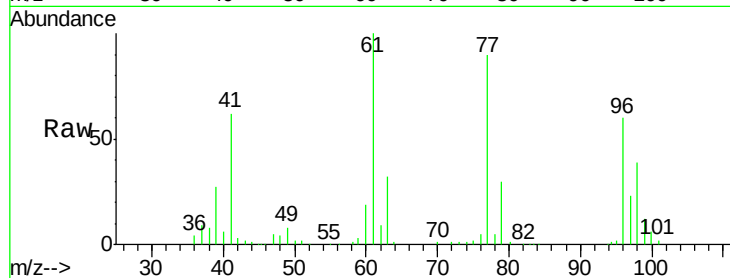
97 23.5 18.3 27.5

Manual Integrations

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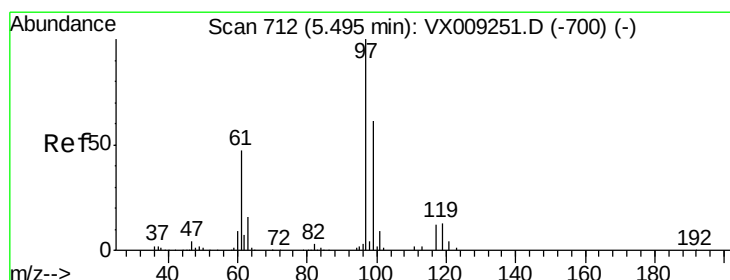
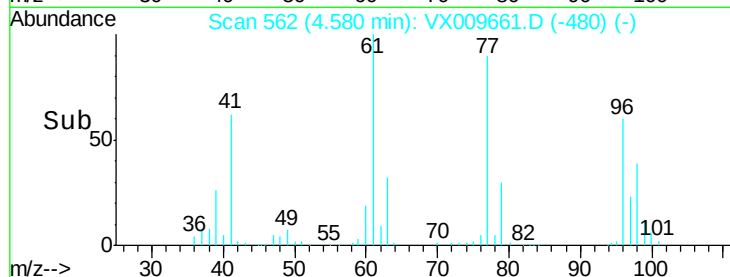
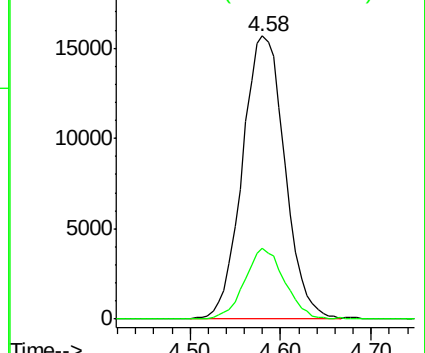
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Abundance Ion 77.00 (76.70 to 77.70): VX0

Ion 97.00 (96.70 to 97.70): VX0



#32

1,1,1-Trichloroethane

Concen: 20.213 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

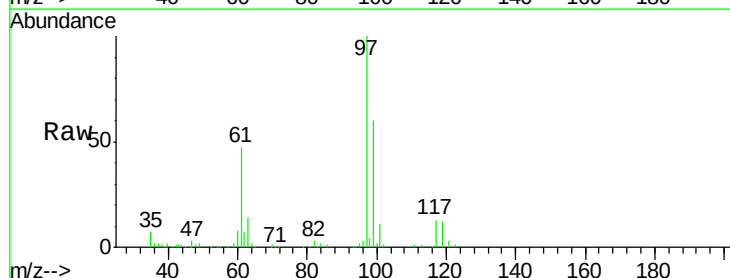
Tgt Ion: 97 Resp: 51746

Ion Ratio Lower Upper

97 100

99 64.5 53.9 80.9

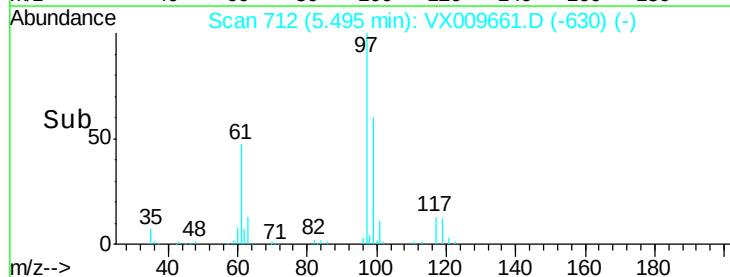
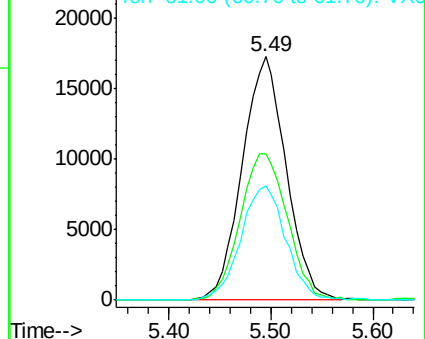
61 48.0 38.6 58.0

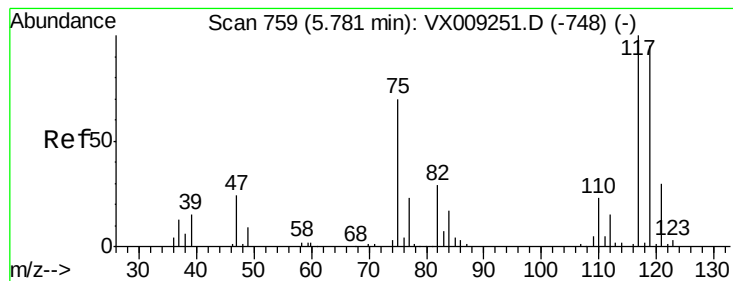


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#33

Carbon Tetrachloride

Concen: 20.004 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

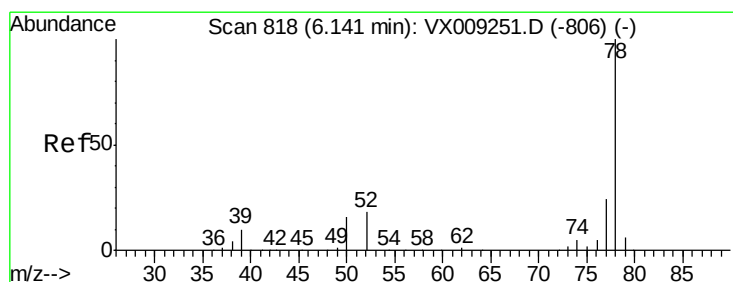
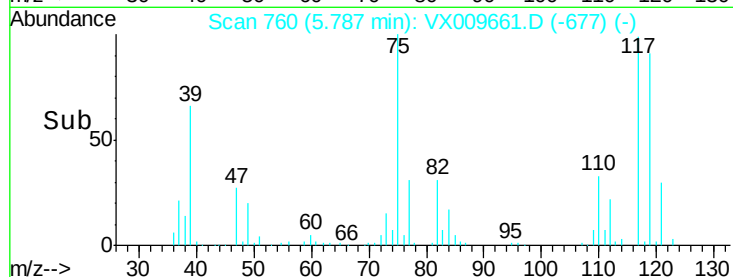
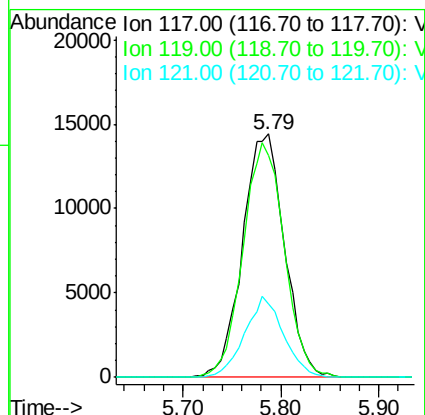
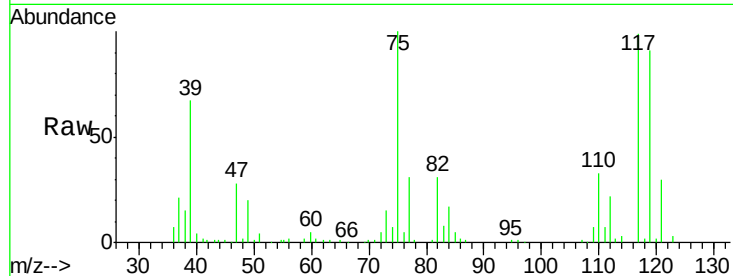
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	42847
Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.1	114.1
121	30.1	24.4	36.6

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#34

Benzene

Concen: 20.149 ug/l

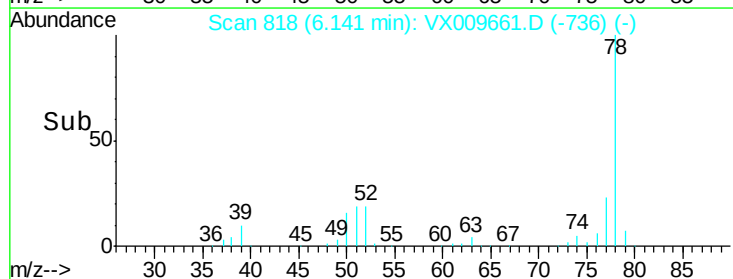
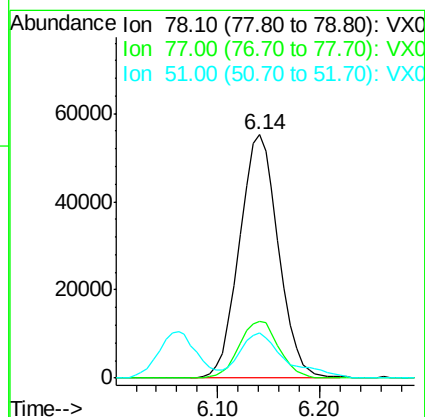
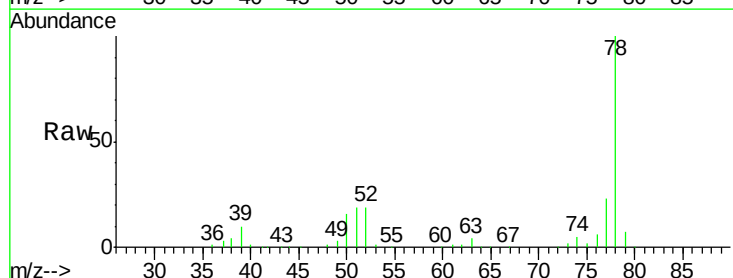
RT: 6.14 min Scan# 818

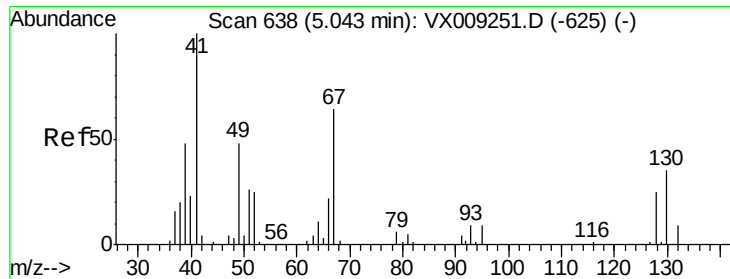
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	78	Resp:	146692
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2
51	17.5	13.5	20.3





#35

Methacrylonitrile

Concen: 20.943 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	24.1	72.3	
67	63.1	32.2	96.6	
52	23.9	12.4	37.4	

Instrument :

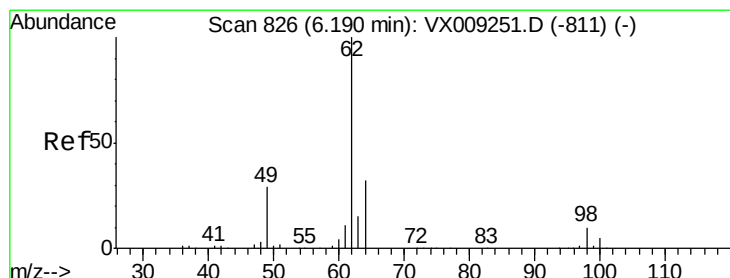
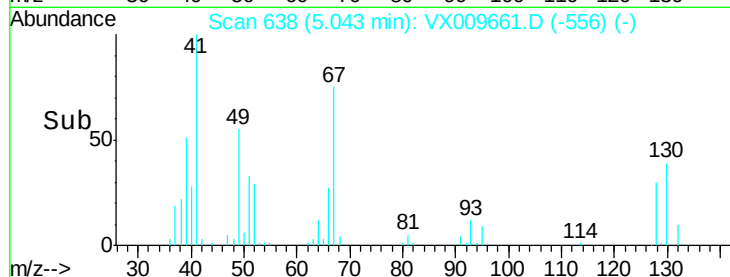
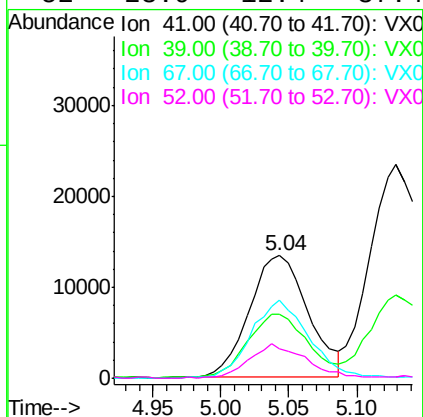
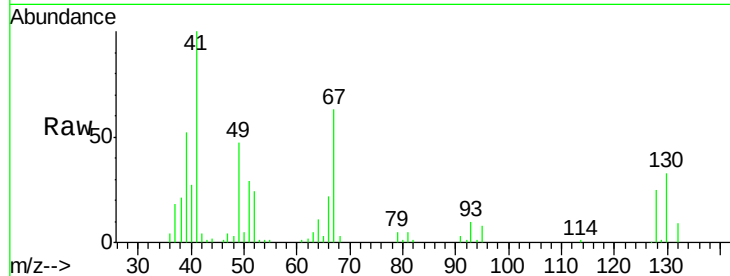
MSVOA_X

ClientSampleId :

VSTDCCC020EC

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#36

1,2-Dichloroethane

Concen: 20.972 ug/l

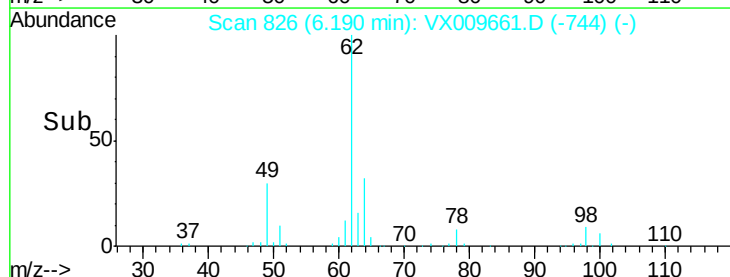
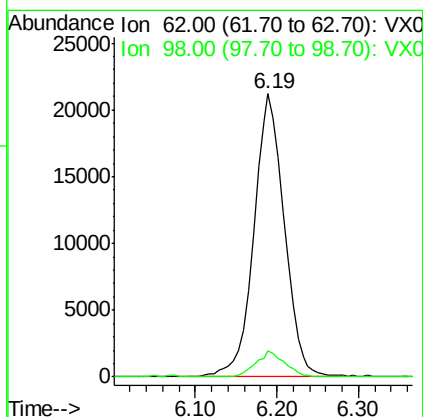
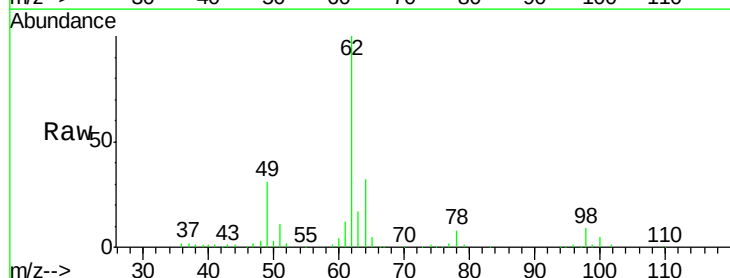
RT: 6.19 min Scan# 826

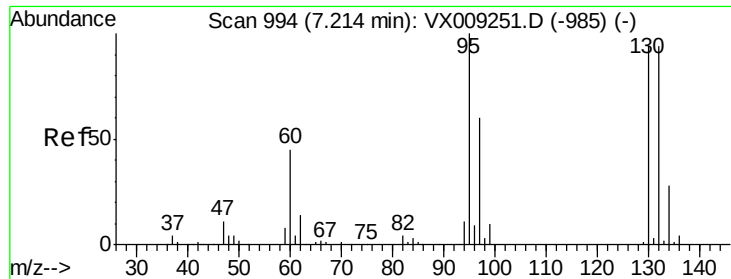
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	7.4	11.2	





#37

Trichloroethene

Concen: 19.807 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tot Ion:130 Resp: 34713

Ion Ratio Lower Upper

130 100

95 99.0 85.0 127.4

Instrument :

MSVOA_X

ClientSampleId :

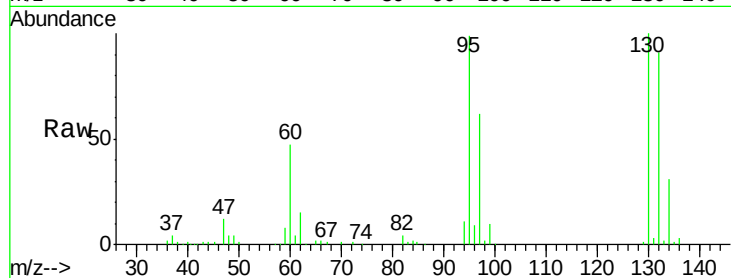
VSTDCCC020EC

Manual Integrations

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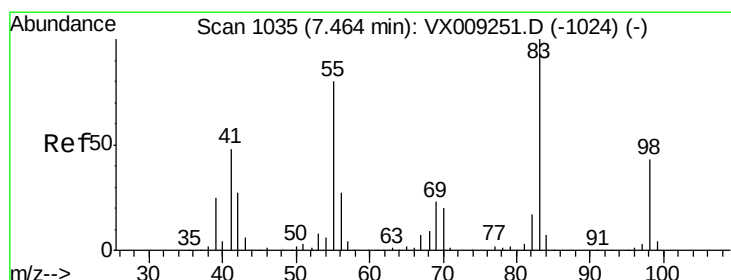
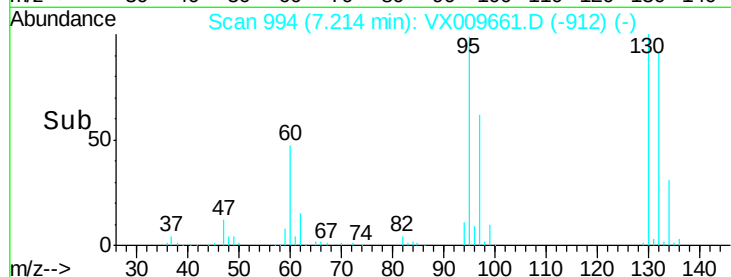
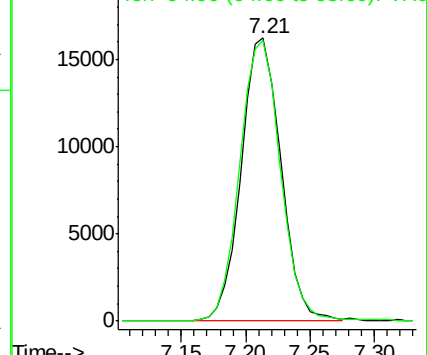
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.995 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

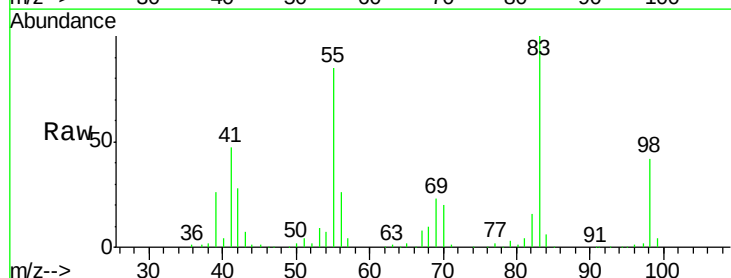
Tgt Ion: 83 Resp: 58339

Ion Ratio Lower Upper

83 100

55 85.3 43.0 129.2

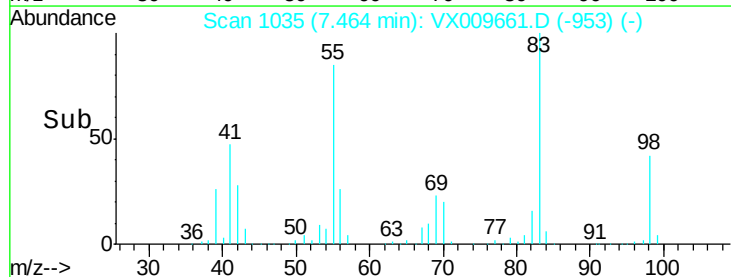
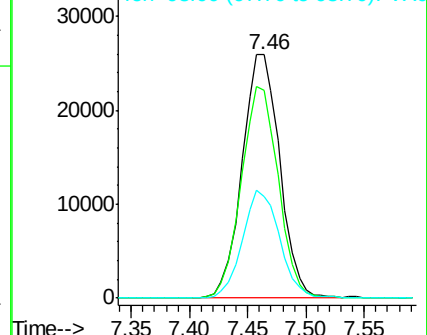
98 43.7 22.1 66.1

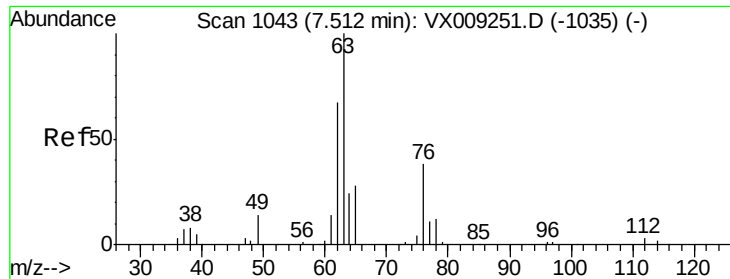


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





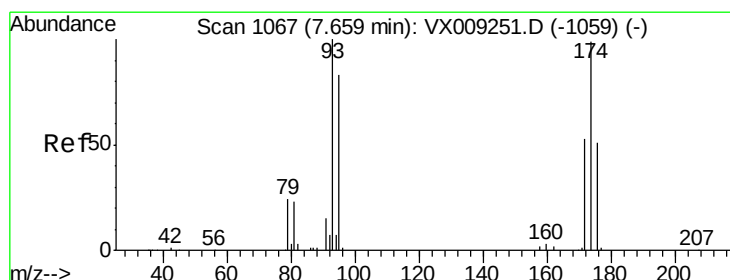
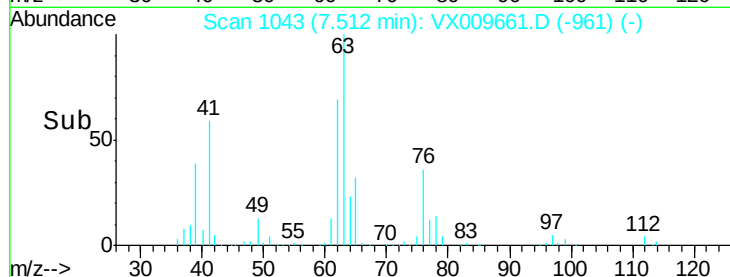
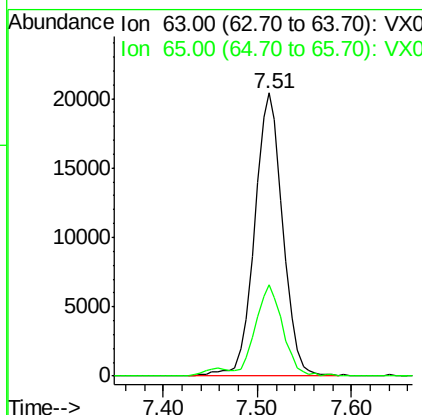
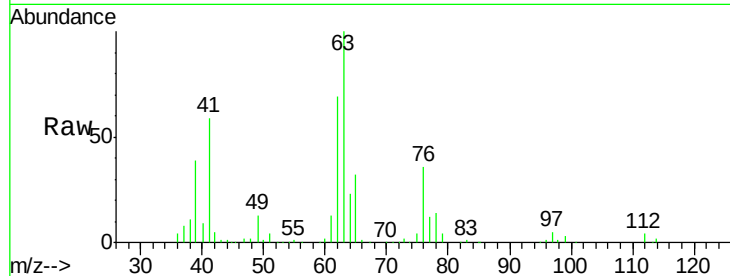
#39
 1,2-Dichloropropane
 Concen: 20.707 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 42931
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.0 36.0

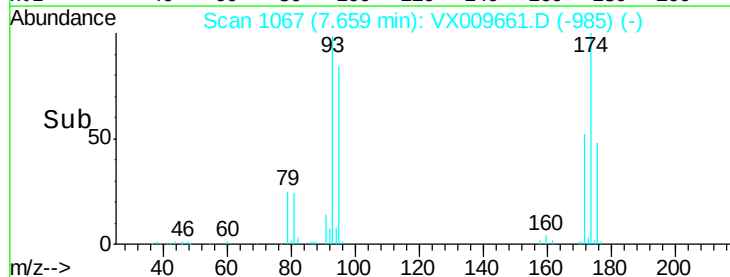
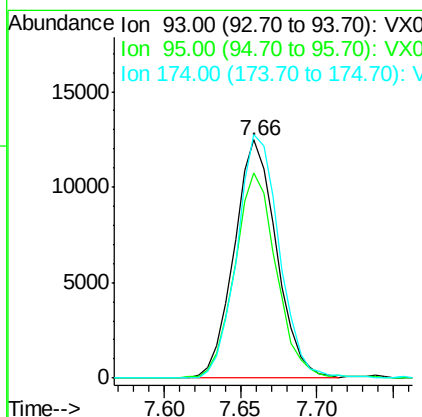
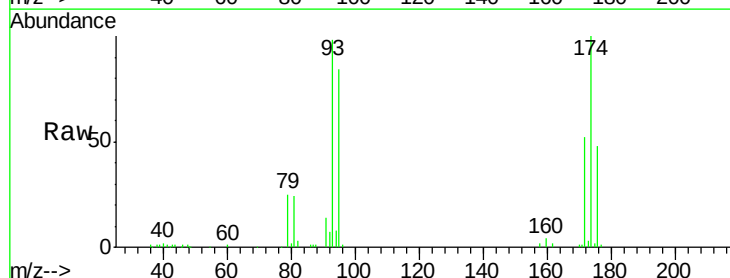
Manual Integrations
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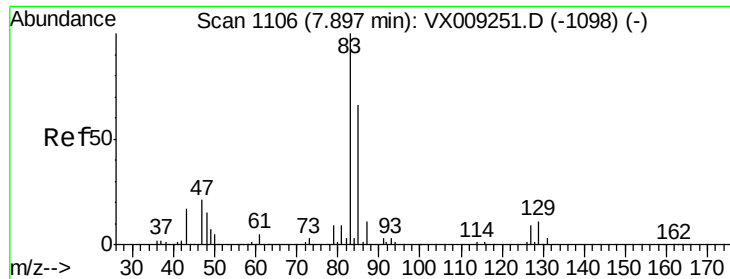
MMDadoda
 5/20/2019 11:16:55 AM



#40
 Dibromomethane
 Concen: 20.356 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion: 93 Resp: 23954
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 167.2
 174 102.2 0.0 203.4





#41

Bromodichloromethane

Concen: 20.273 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

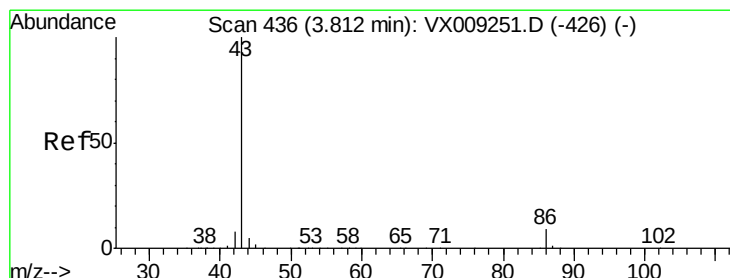
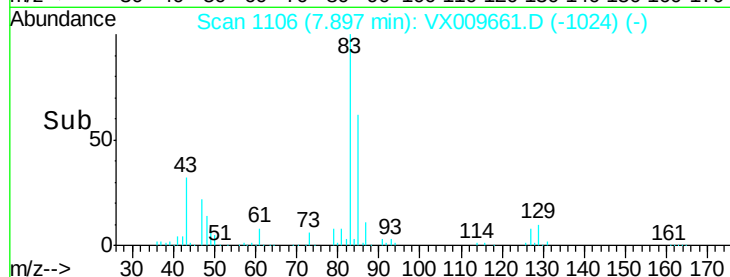
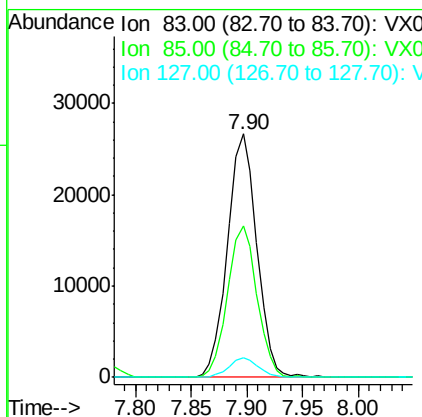
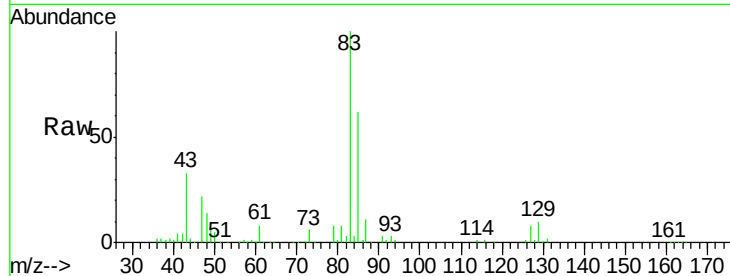
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	48729
Ion Ratio	Lower	Upper	
83	100		
85	62.4	52.6	79.0
127	8.2	6.9	10.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 103.588 ug/l

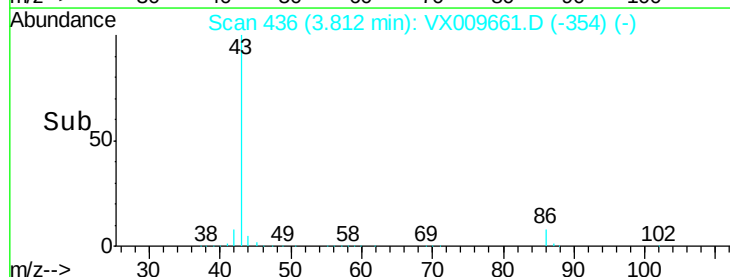
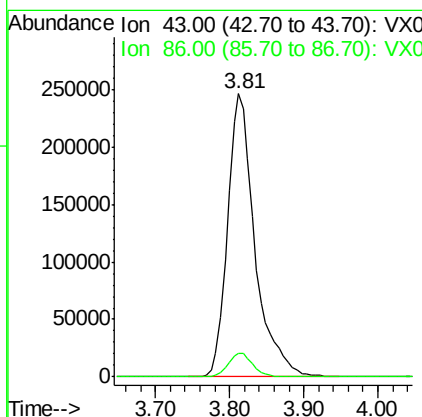
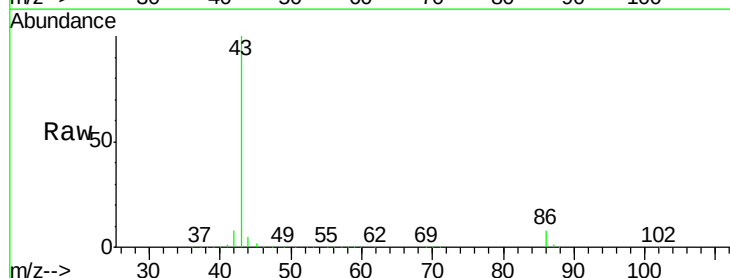
RT: 3.81 min Scan# 436

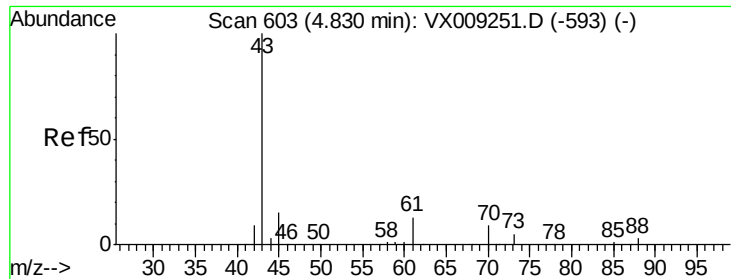
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	43	Resp:	632296
Ion Ratio	Lower	Upper	
43	100		
86	7.5	6.0	9.0





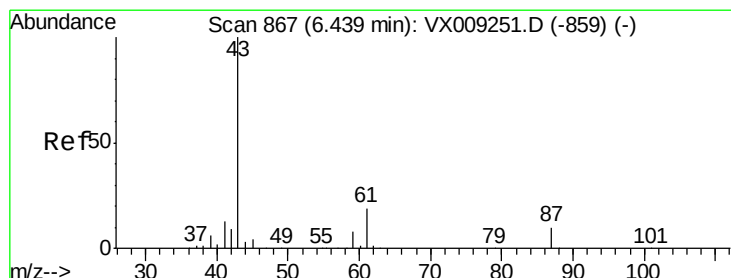
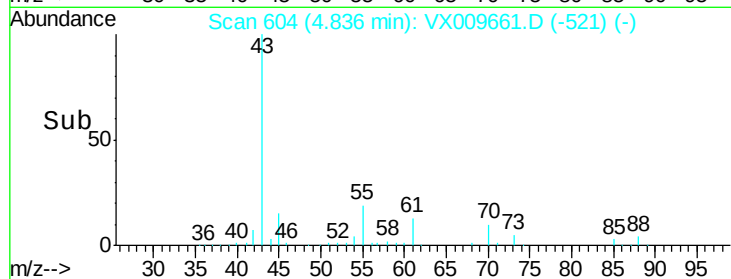
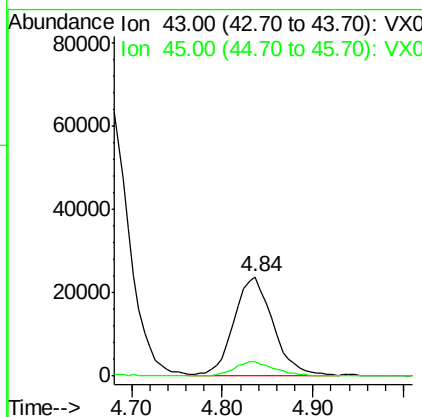
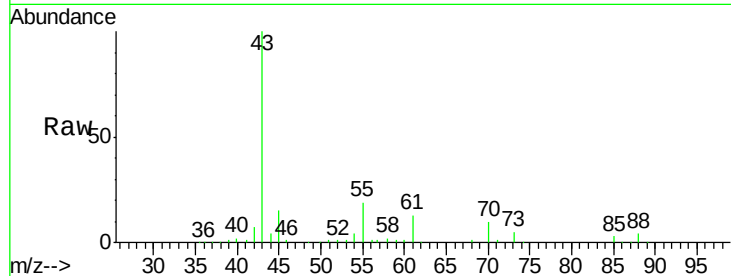
#43
Ethyl Acetate
Concen: 21.261 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 71051
Ion Ratio Lower Upper
43 100
45 15.5 11.8 17.8

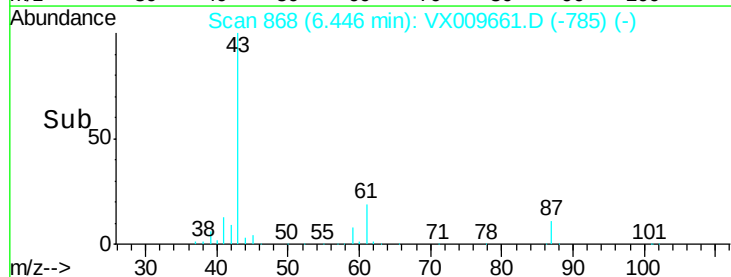
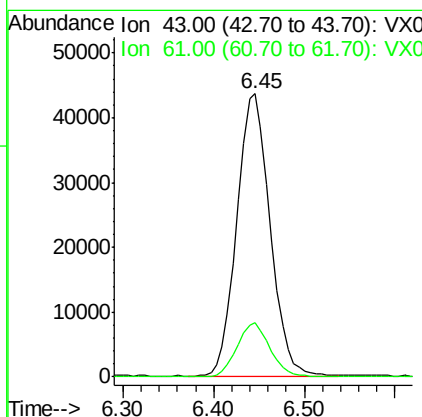
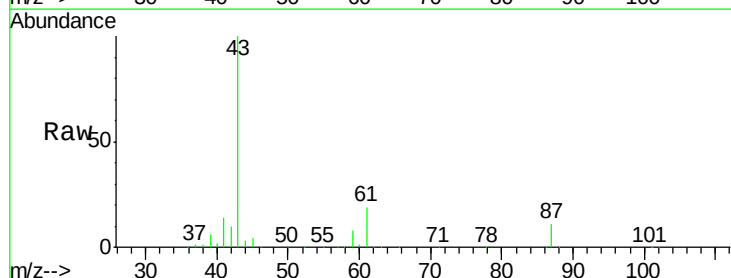
Manual Integrations
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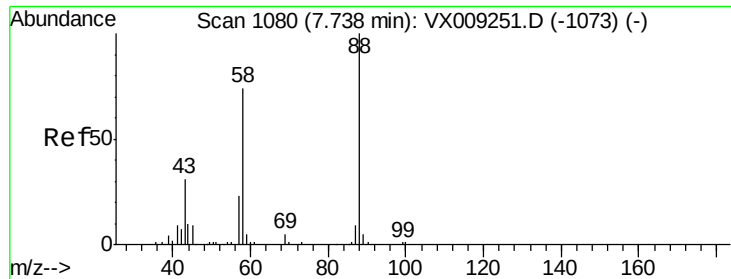
MMDadoda
5/20/2019 11:16:55 AM



#44
Isopropyl Acetate
Concen: 20.544 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion: 43 Resp: 111221
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2





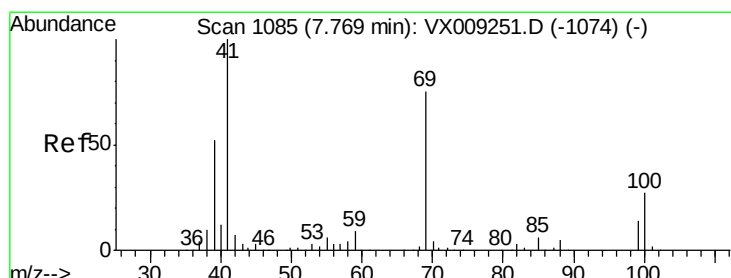
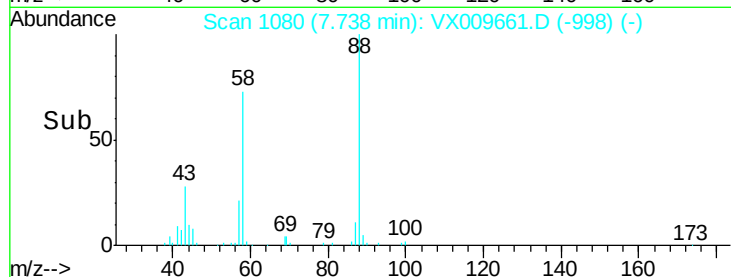
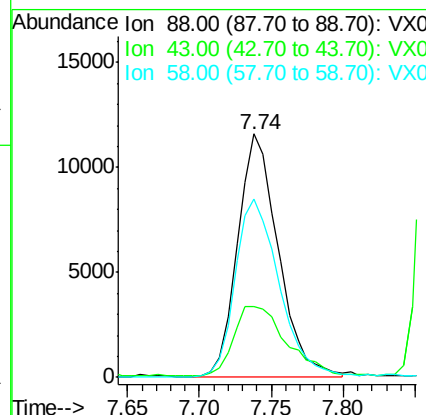
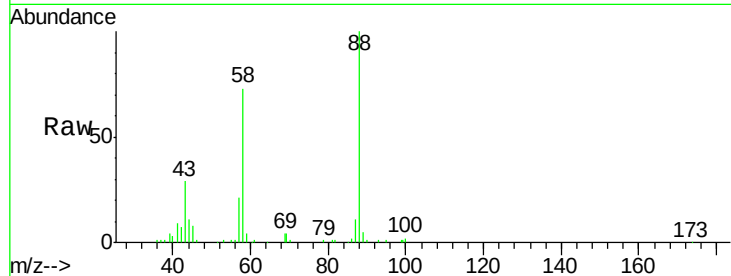
#45
 1,4-Dioxane
 Concen: 429.802 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.5	42.7
58	79.6	62.5	93.7

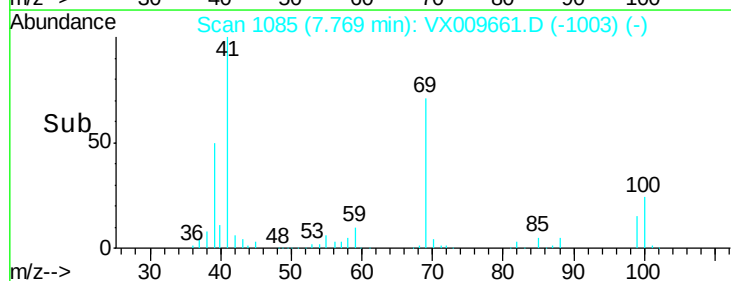
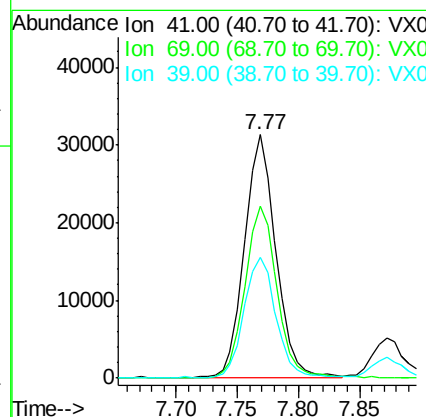
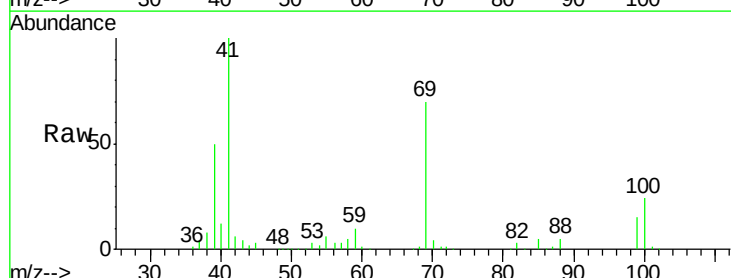
Manual Integrations
 APPROVED

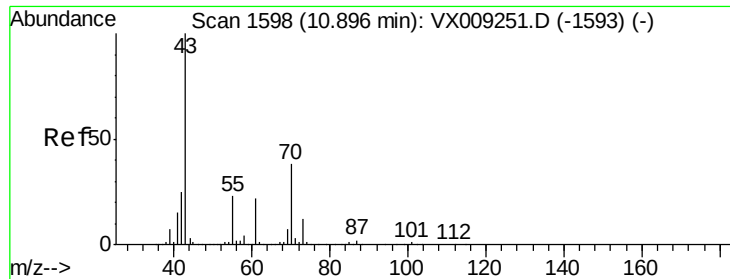
MMDadoda
 5/20/2019 11:16:55 AM



#46
 Methyl methacrylate
 Concen: 20.513 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.7	37.6	112.8
39	49.7	25.8	77.3





#47

n-amvl Acetate

Concen: 20.661 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 100765

Ion Ratio Lower Upper

43 100

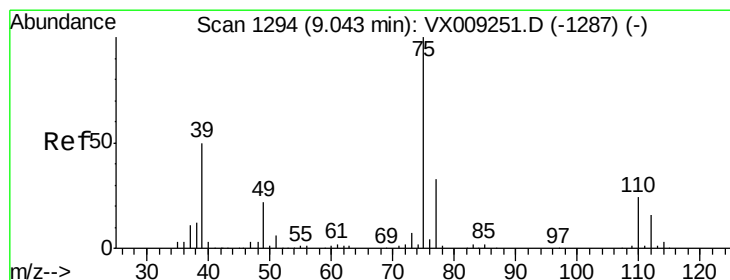
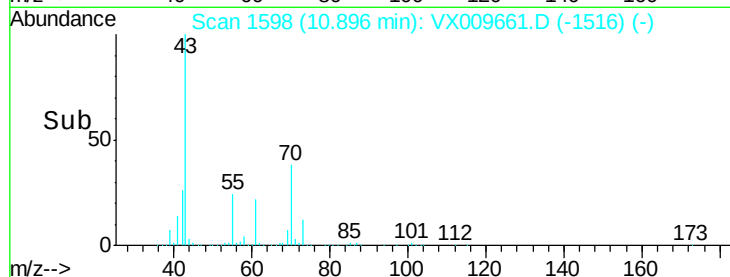
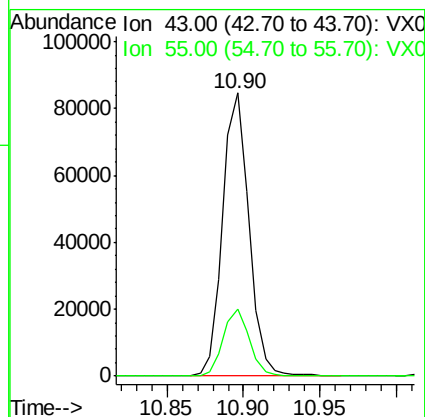
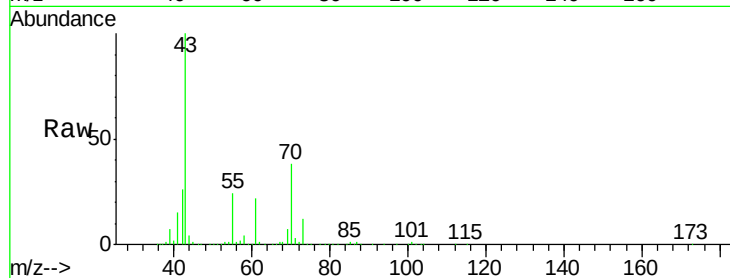
55 23.7 18.2 27.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.588 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009661.D

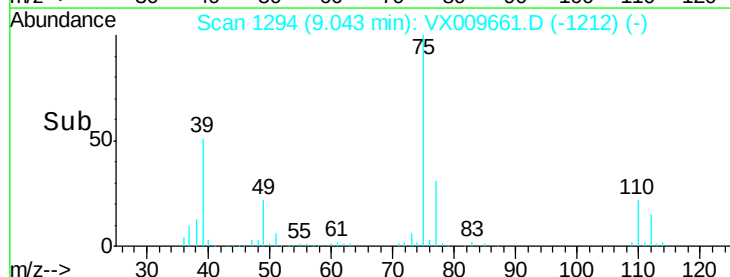
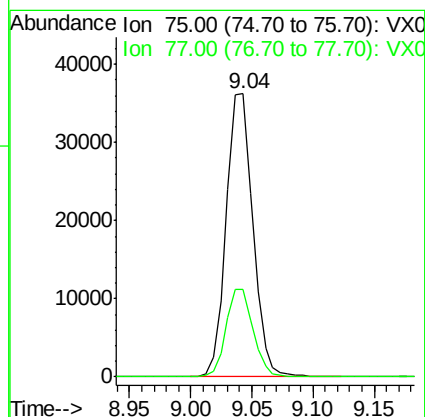
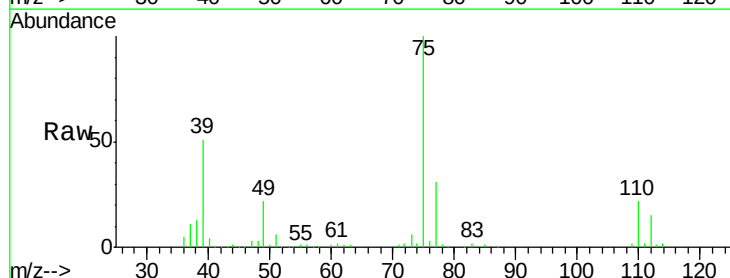
Acq: 17 May 2019 14:26

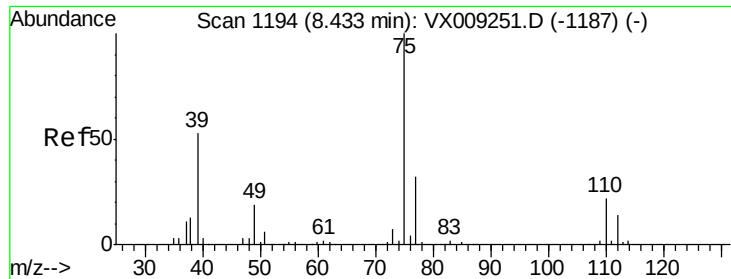
Tgt Ion: 75 Resp: 54936

Ion Ratio Lower Upper

75 100

77 30.8 26.5 39.7





#49

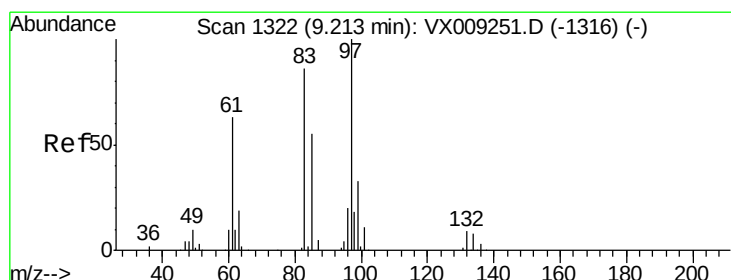
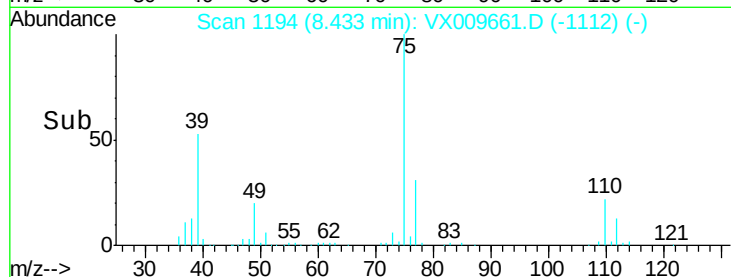
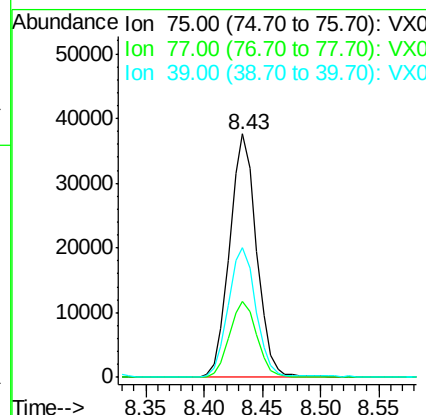
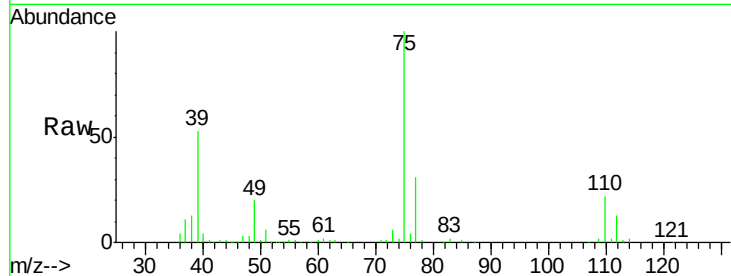
cis-1,3-Dichloropropene
Concen: 19.666 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.0	39.0
39	53.3	42.6	63.8

Manual Integrations
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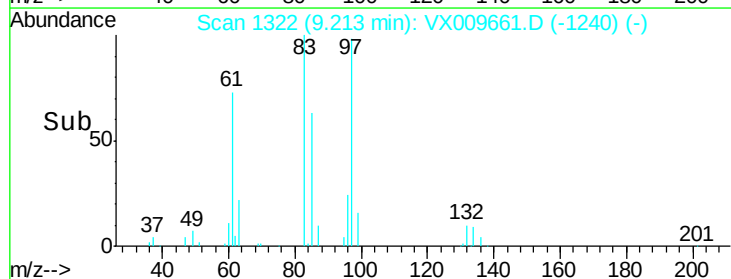
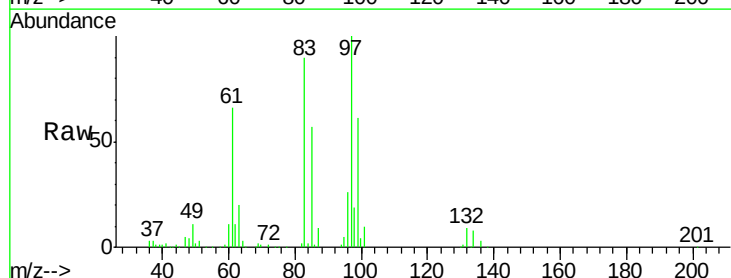
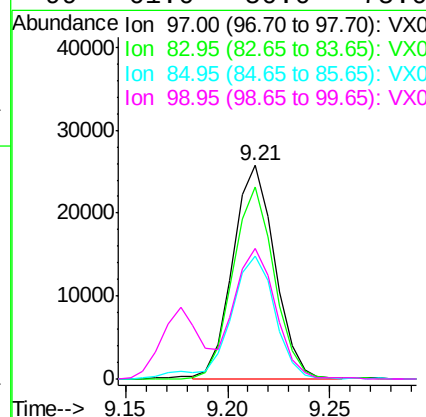
MMDadoda
5/20/2019 11:16:55 AM

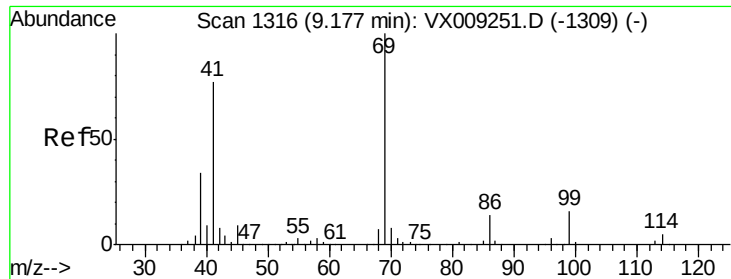


#50

1,1,2-Trichloroethane
Concen: 20.436 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	68.8	103.2
85	57.3	45.8	68.6
99	61.0	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.848 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

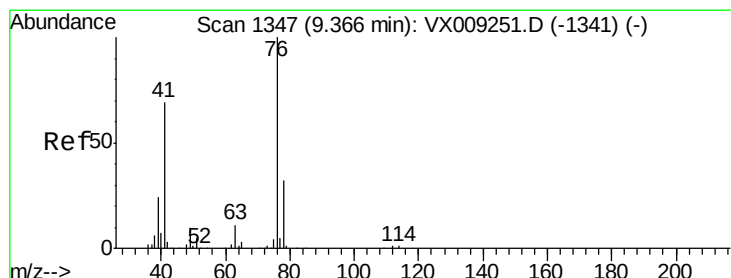
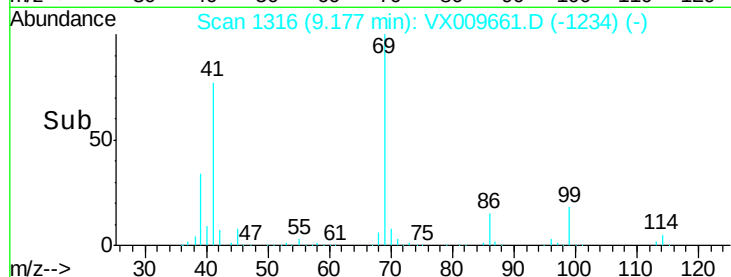
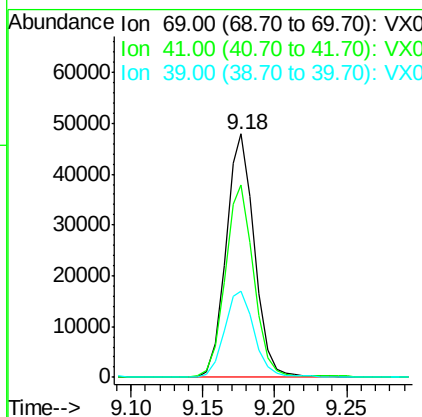
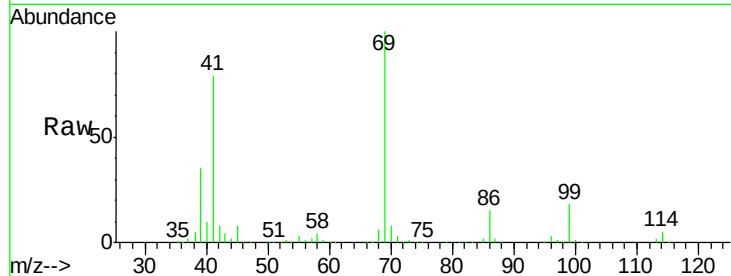
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	66126
Ion	Ratio	Lower	Upper
69	100		
41	78.8	38.4	115.2
39	35.1	17.2	51.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.546 ug/l

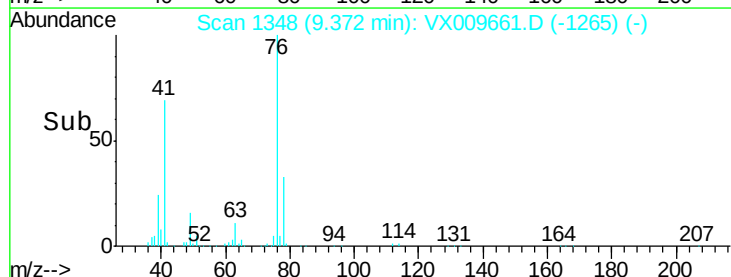
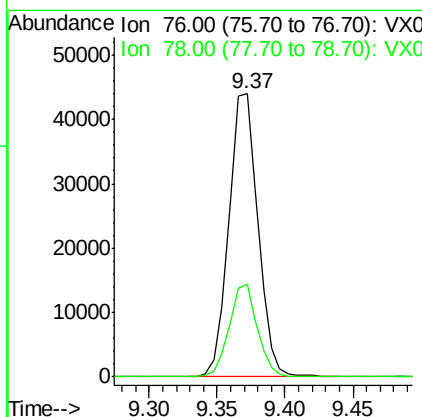
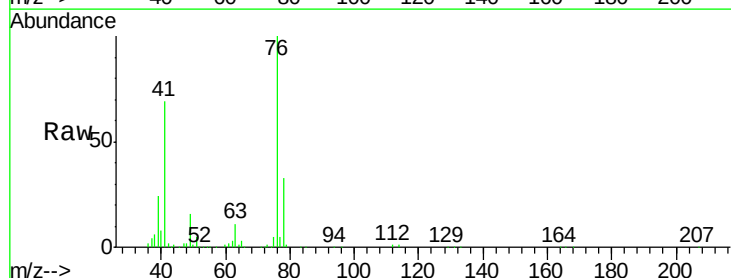
RT: 9.37 min Scan# 1348

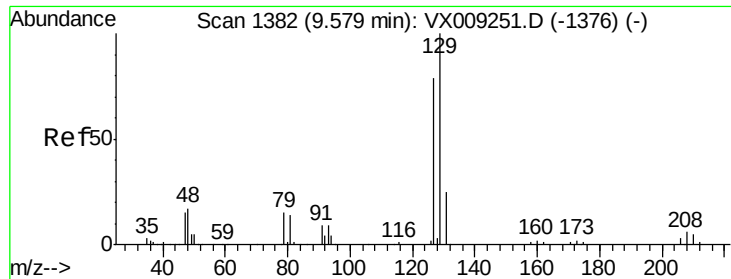
Delta R.T. 0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	76	Resp:	65738
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.2





#53

Dibromochloromethane

Concen: 19.910 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:129 Resp: 35748

Ion Ratio Lower Upper

129 100

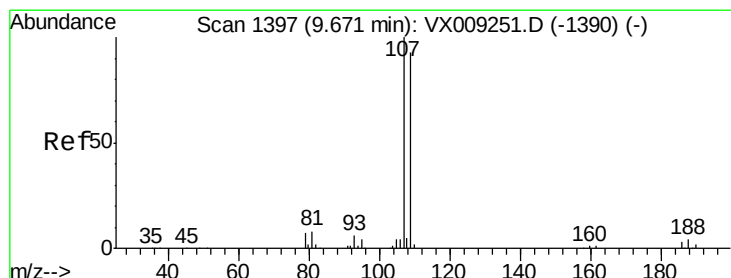
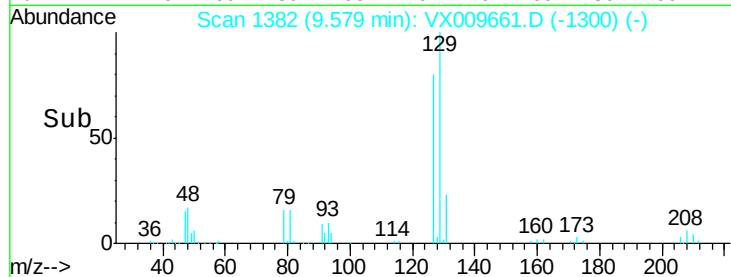
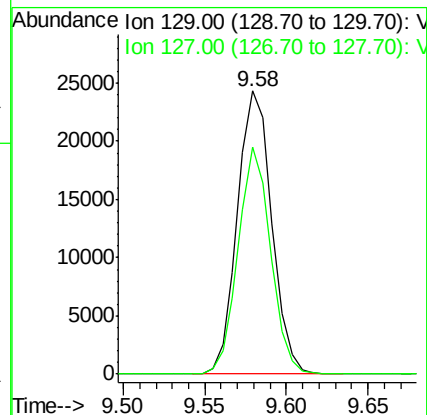
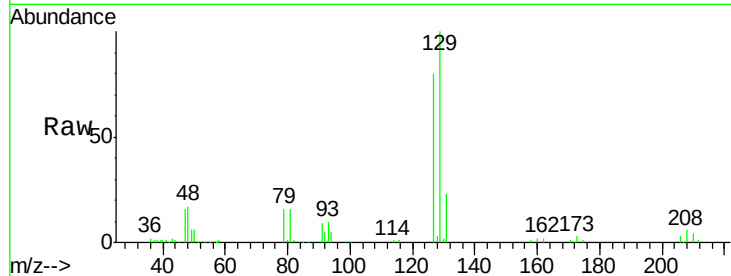
127 75.9 39.1 117.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 20.359 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009661.D

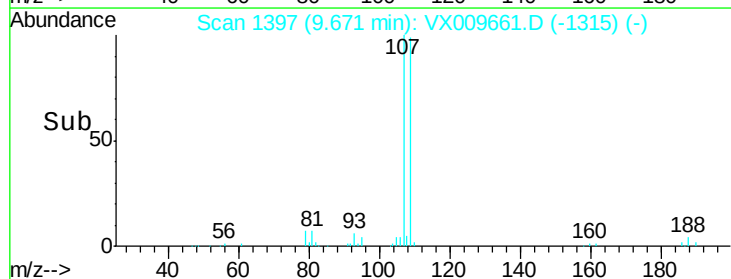
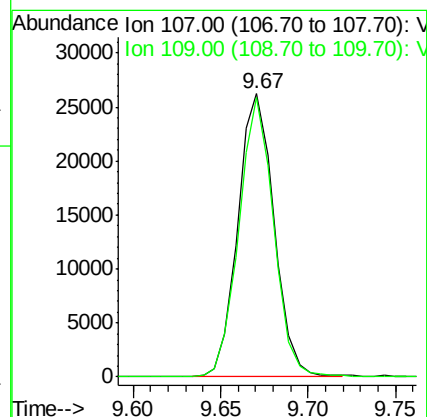
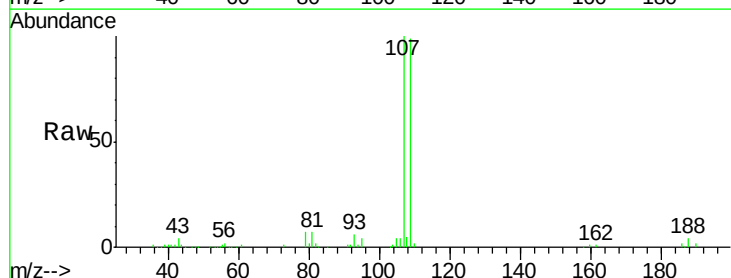
Acq: 17 May 2019 14:26

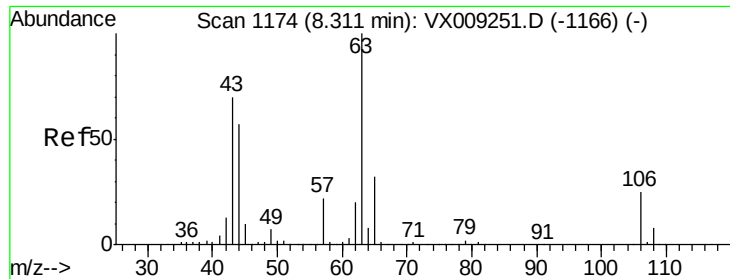
Tgt Ion:107 Resp: 37644

Ion Ratio Lower Upper

107 100

109 94.8 75.5 113.3





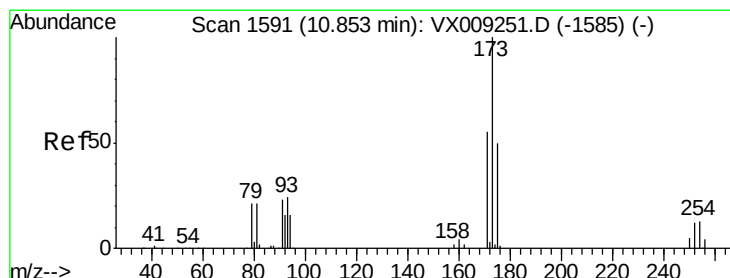
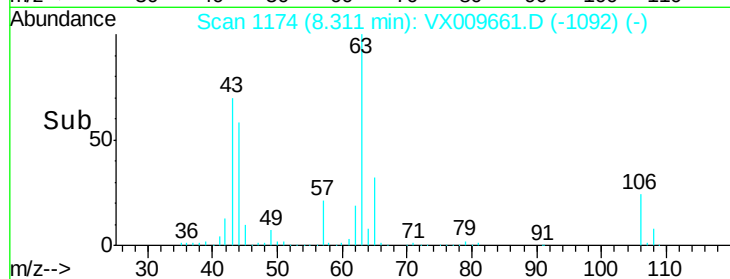
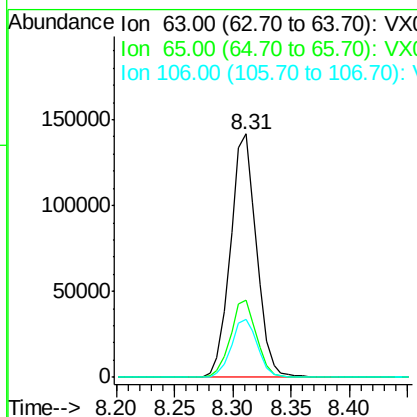
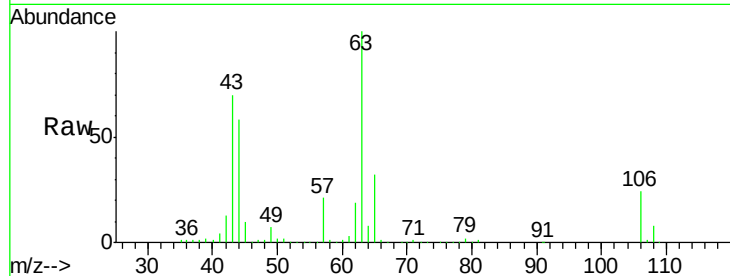
#55
2-Chloroethyl vinyl ether
Concen: 124.182 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.8	38.6
106	24.1	19.8	29.6

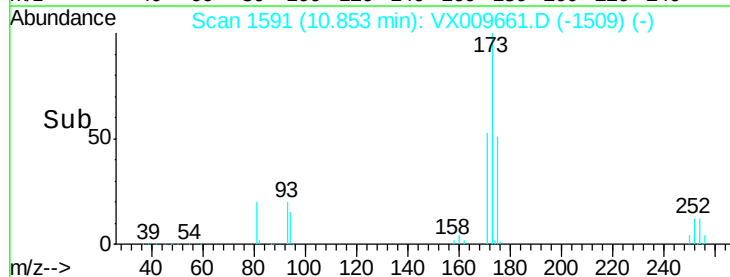
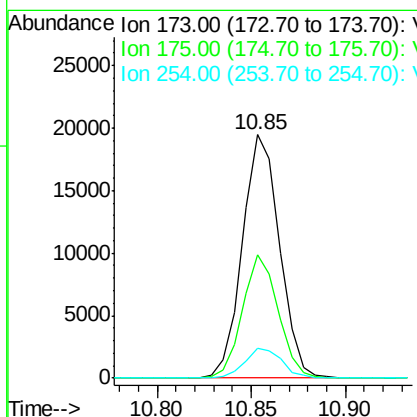
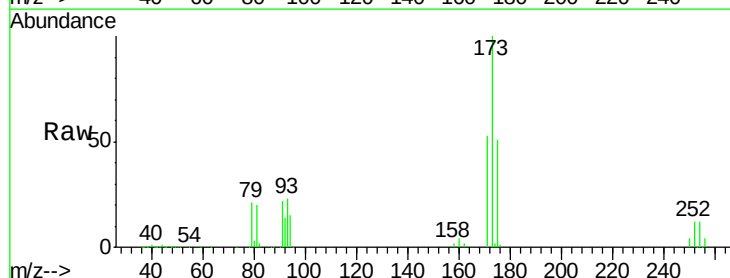
Manual Integrations
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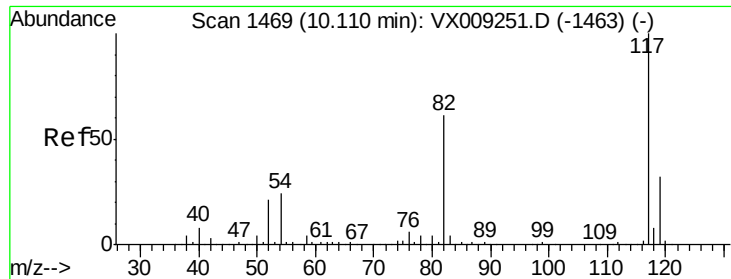
MMDadoda
5/20/2019 11:16:55 AM



#56
Bromoform
Concen: 19.329 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.4	59.2
254	12.4	9.9	14.9





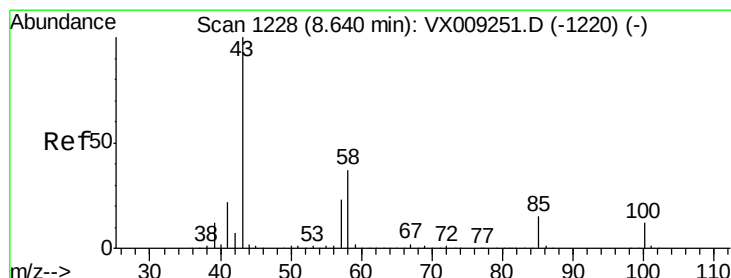
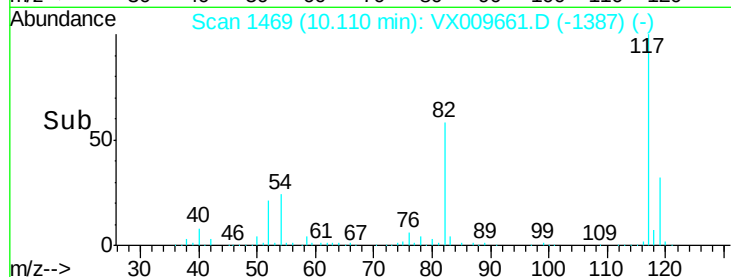
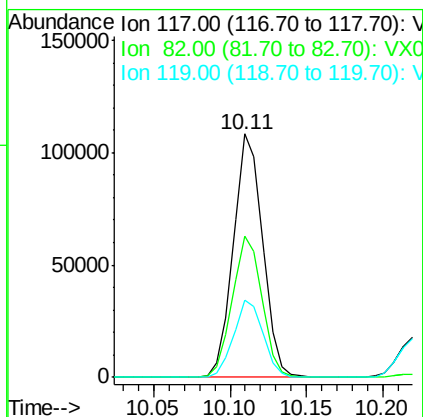
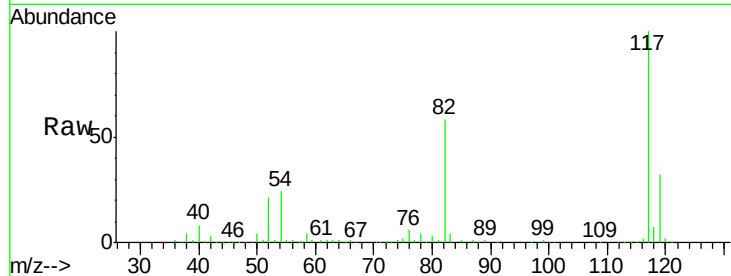
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	32.0	25.6	38.4

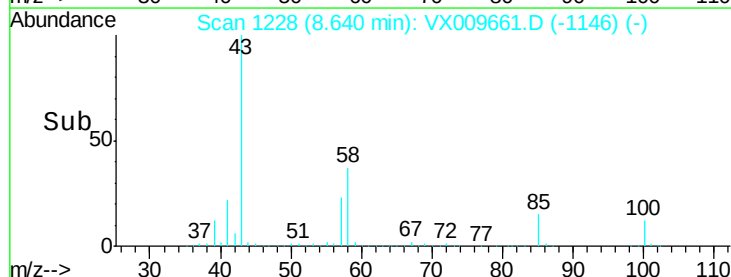
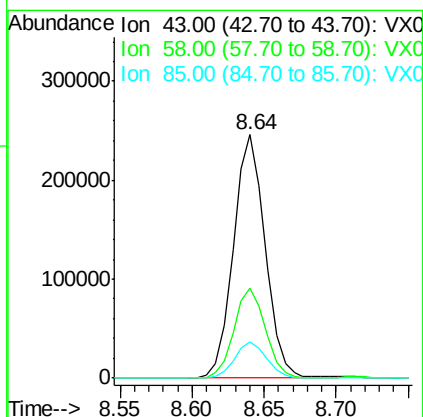
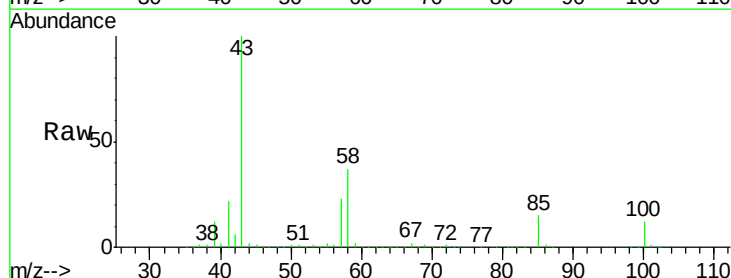
Manual Integrations
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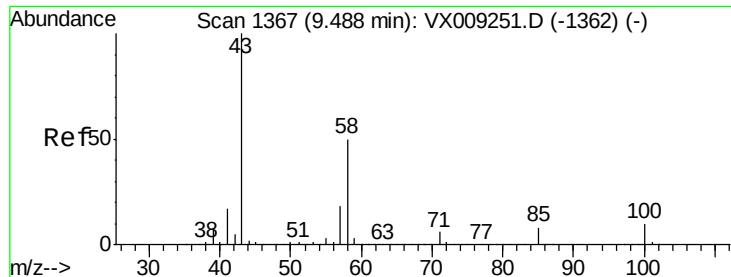
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#58
4-Methyl-2-Pentanone
Concen: 106.253 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.0
85	14.7	11.8	17.8





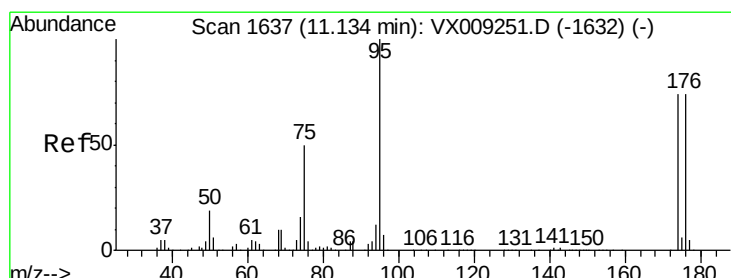
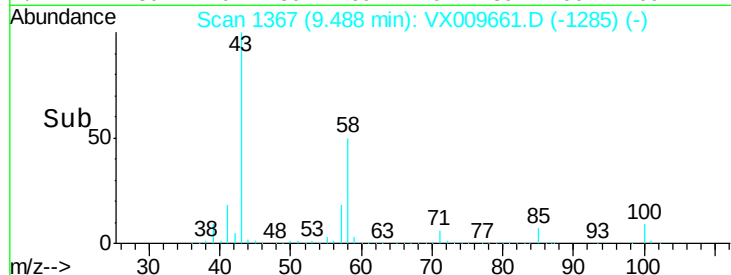
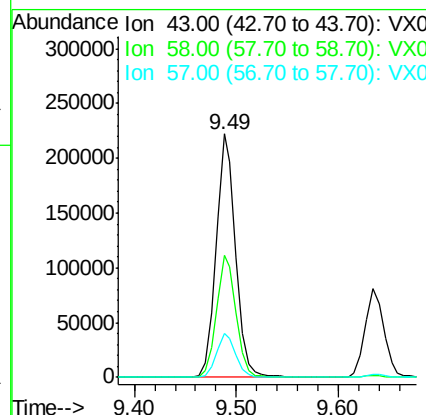
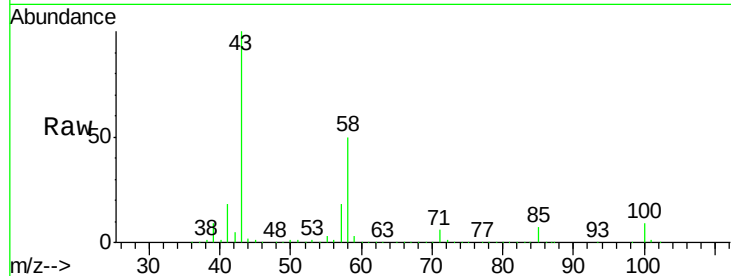
#59
2-Hexanone
Concen: 107.000 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.8	61.2
57	17.8	14.1	21.1

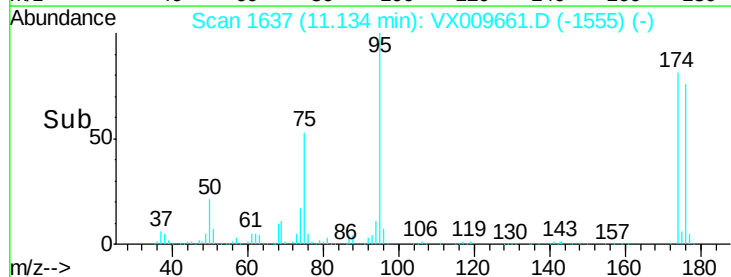
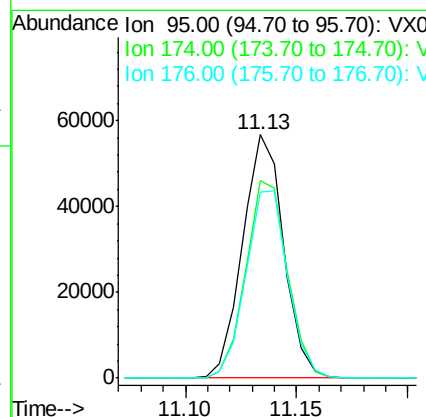
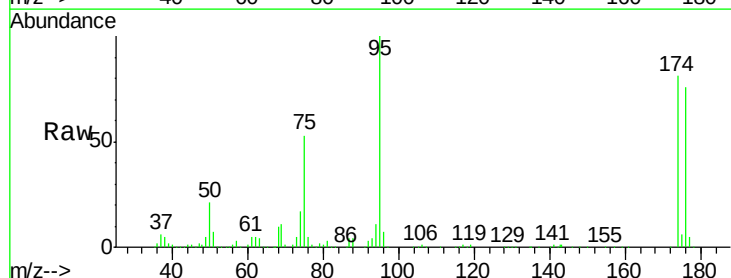
Manual Integrations
APPROVED

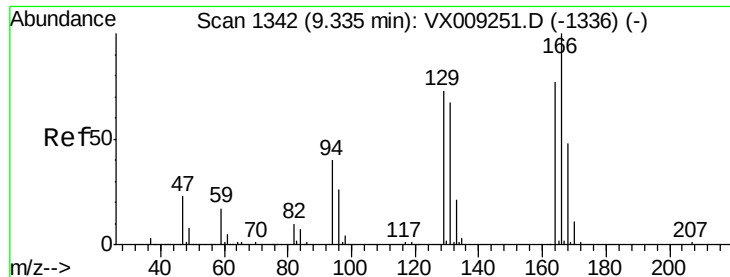
MMDadoda
5/20/2019 11:16:55 AM



#60
4-Bromofluorobenzene
Concen: 29.673 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	63.6	95.4
176	79.7	62.4	93.6





#61

Tetrachloroethene

Concen: 20.014 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 31816

Ion Ratio Lower Upper

164 100

166 125.1 104.1 156.1

129 91.2 76.0 114.0

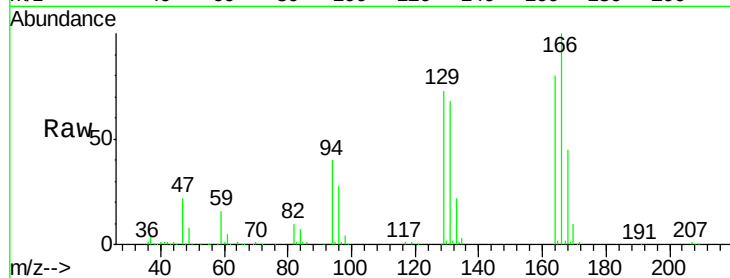
131 85.2 70.1 105.1

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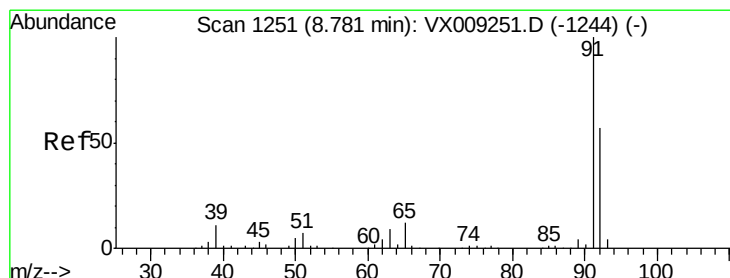
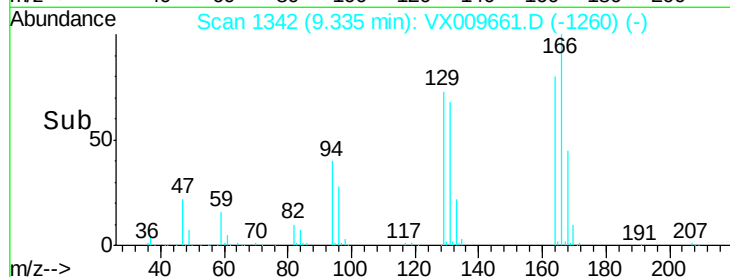
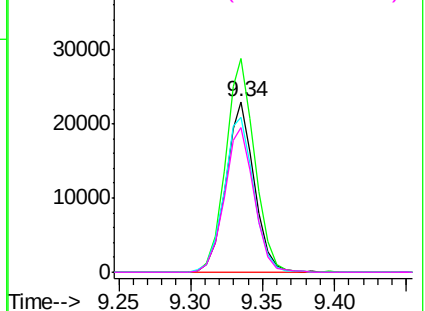


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.128 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX009661.D

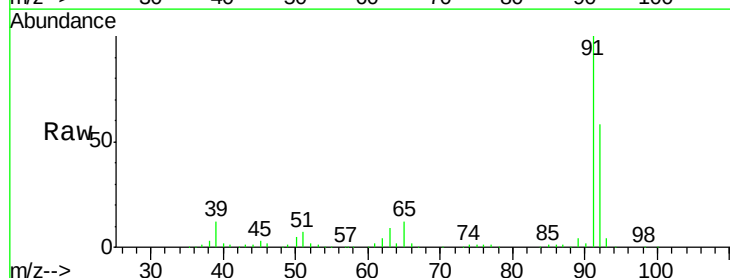
Acq: 17 May 2019 14:26

Tgt Ion: 91 Resp: 155093

Ion Ratio Lower Upper

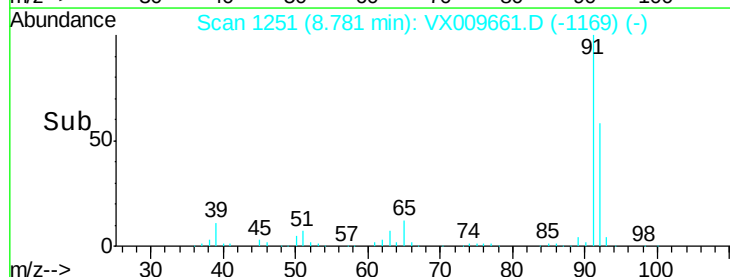
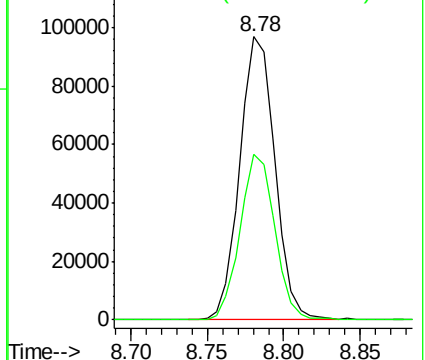
91 100

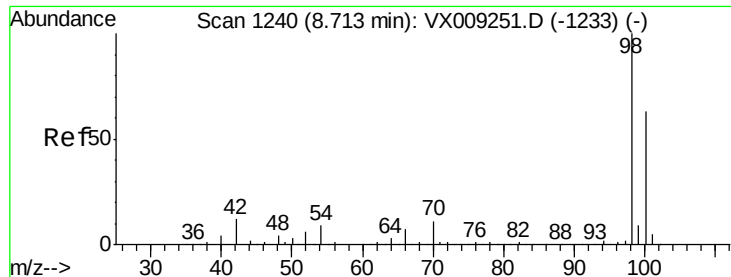
92 57.9 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 29.933 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 204646

Ion Ratio Lower Upper

98 100

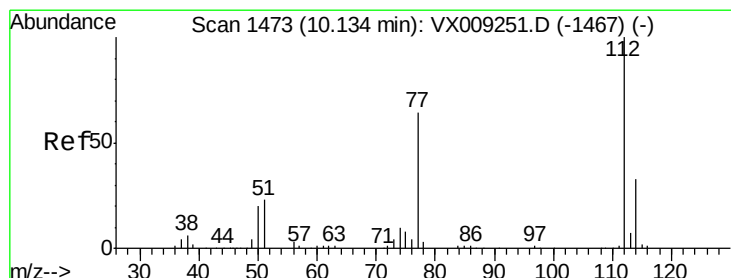
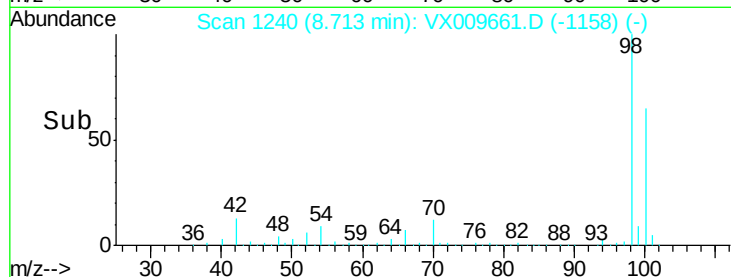
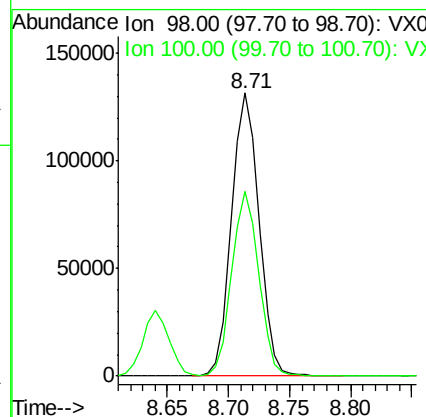
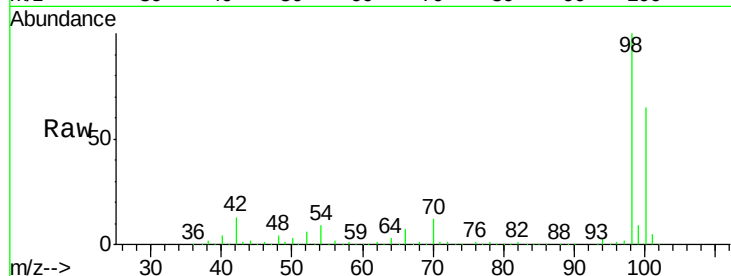
100 64.4 52.3 78.5

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#64

Chlorobenzene

Concen: 20.460 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX009661.D

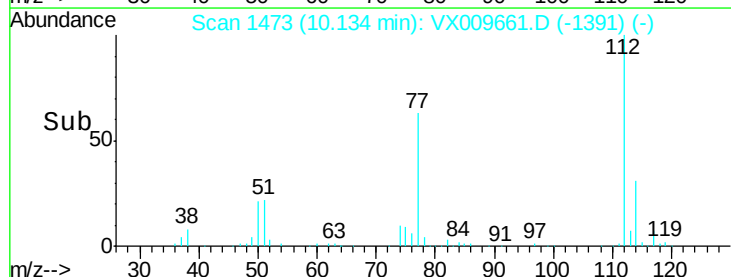
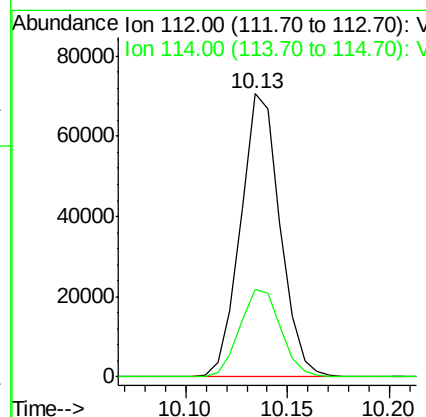
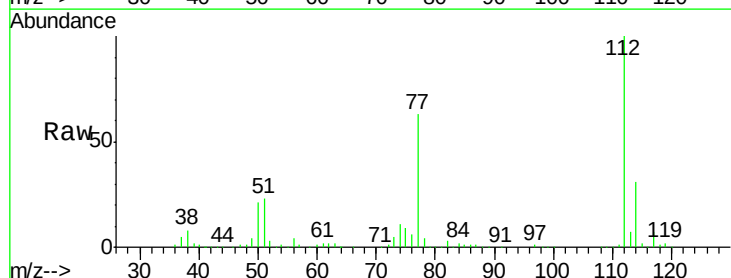
Acq: 17 May 2019 14:26

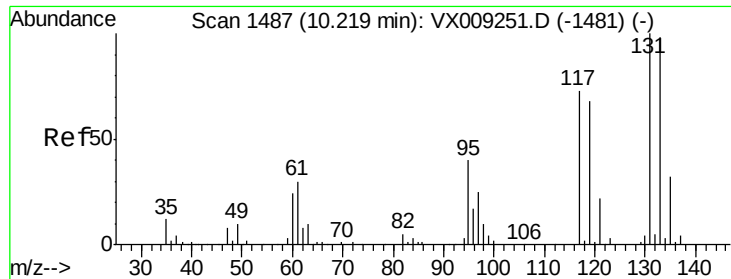
Tgt Ion: 112 Resp: 94881

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.920 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

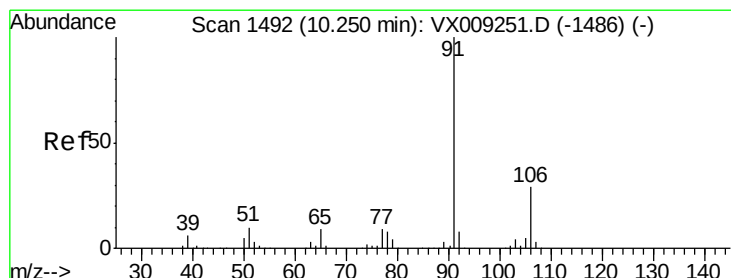
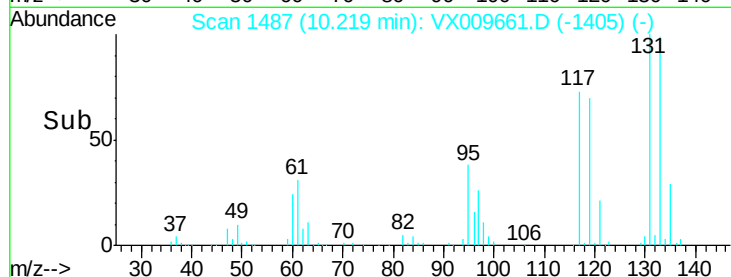
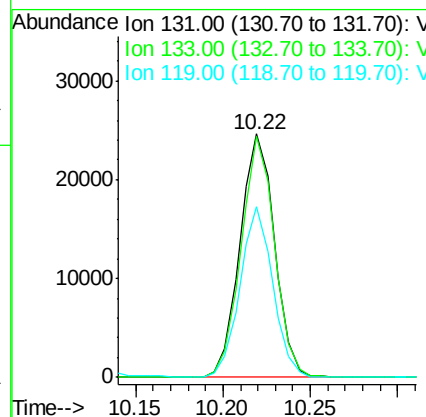
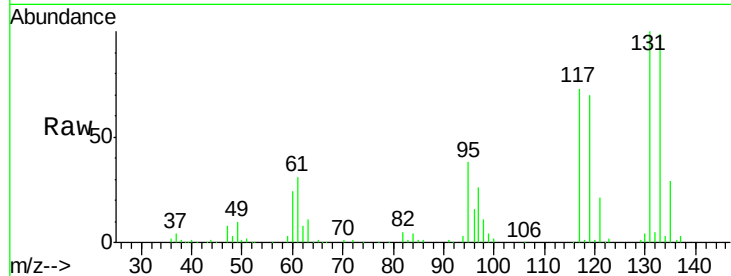
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	33824		
133	95.4	0.0	191.2	
119	66.4	0.0	135.4	

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#66

Ethyl Benzene

Concen: 20.286 ug/l

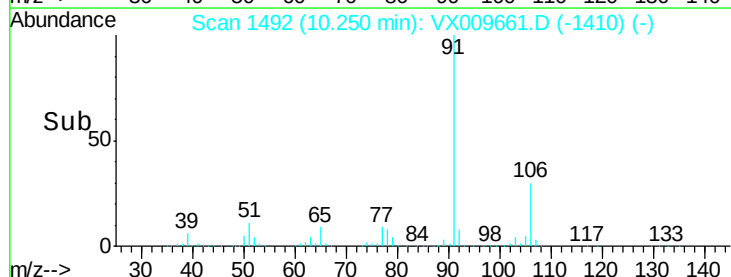
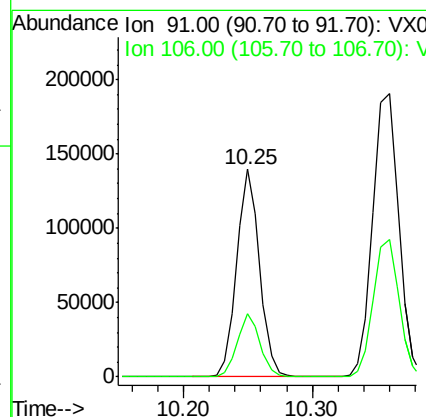
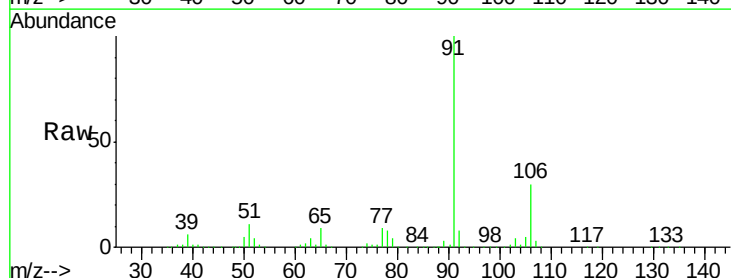
RT: 10.25 min Scan# 1492

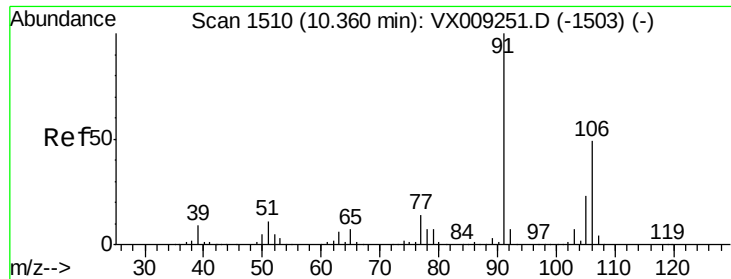
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	174140		
106	30.2	23.5	35.3	





#67

m/p-Xylenes

Concen: 40.542 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 127062

Ion Ratio Lower Upper

106 100

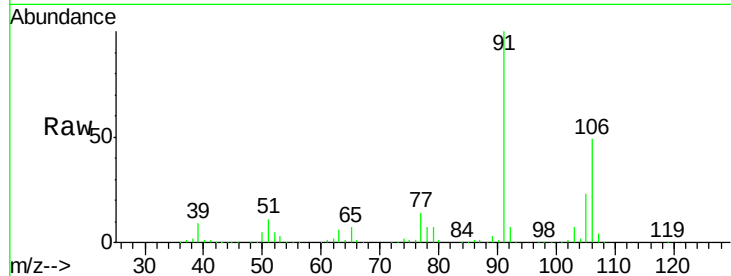
91 208.0 166.8 250.2

Manual Integrations

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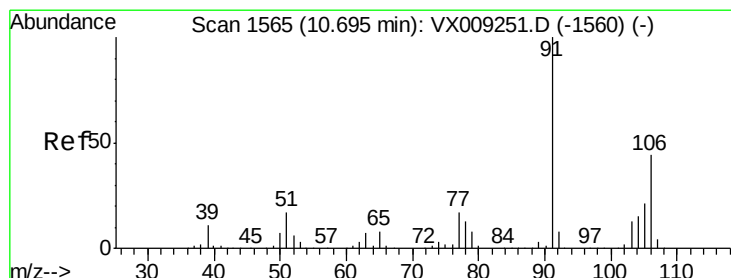
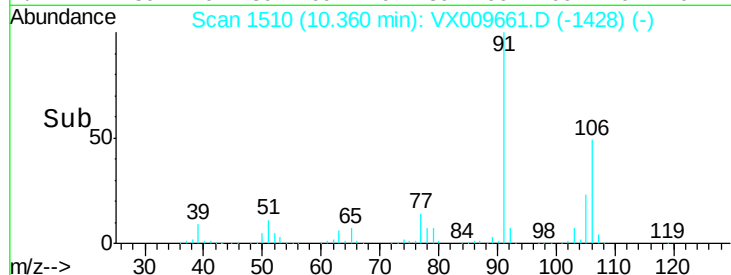
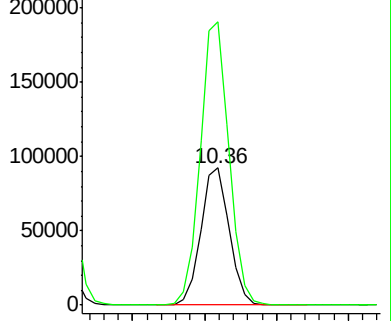
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 20.260 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX009661.D

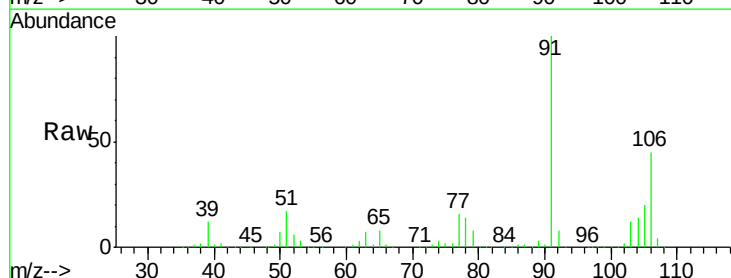
Acq: 17 May 2019 14:26

Tgt Ion:106 Resp: 62436

Ion Ratio Lower Upper

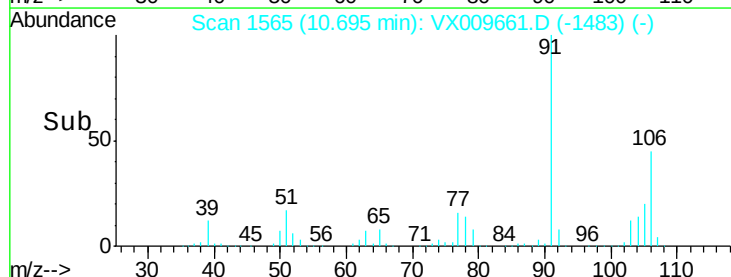
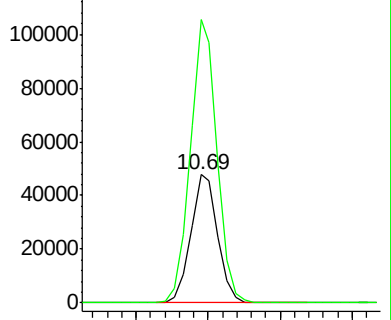
106 100

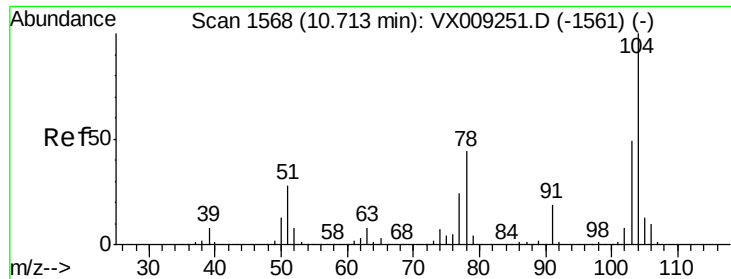
91 218.3 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





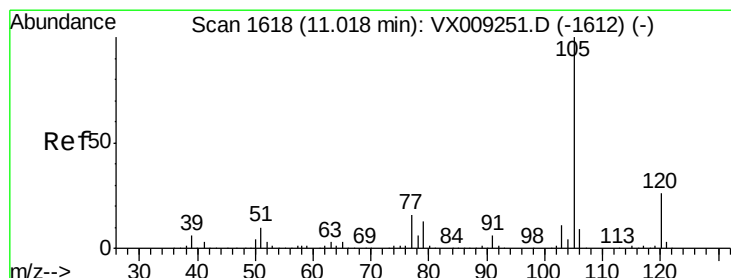
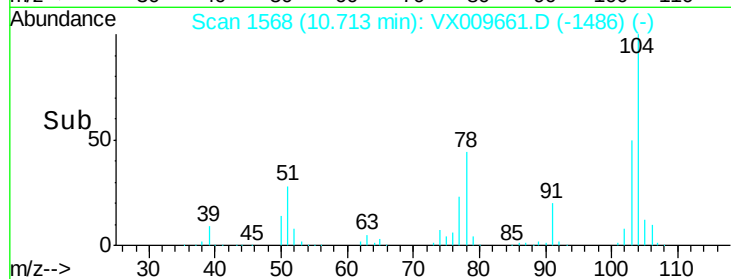
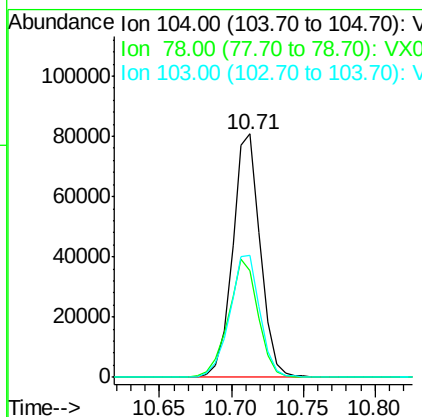
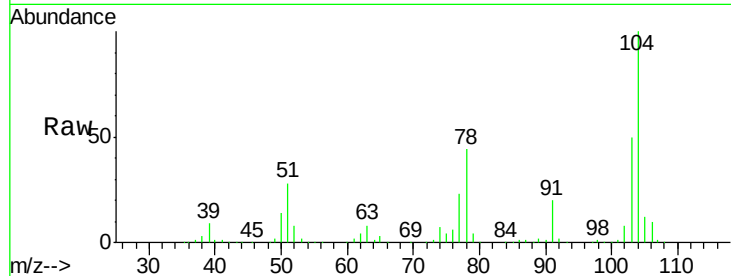
#69
Stvrene
Concen: 20.042 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.1	61.7
103	54.9	43.8	65.8

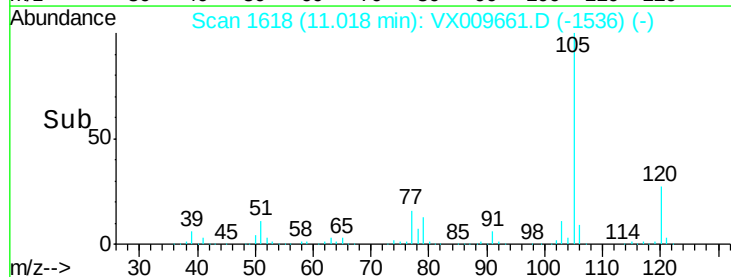
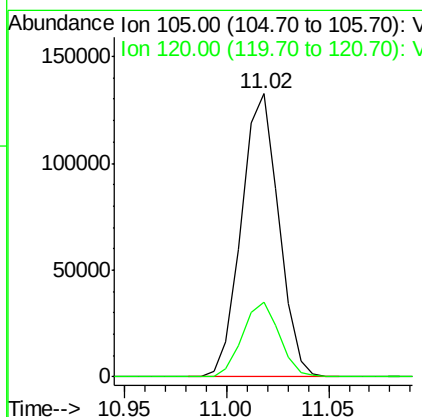
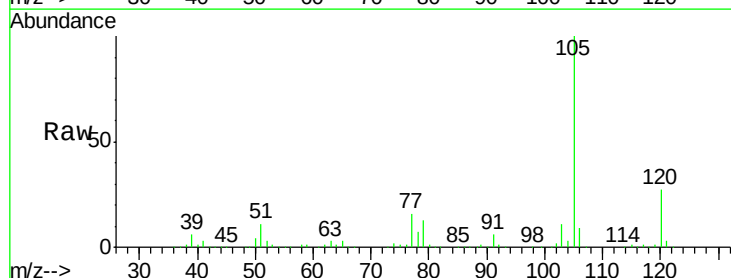
Manual Integrations
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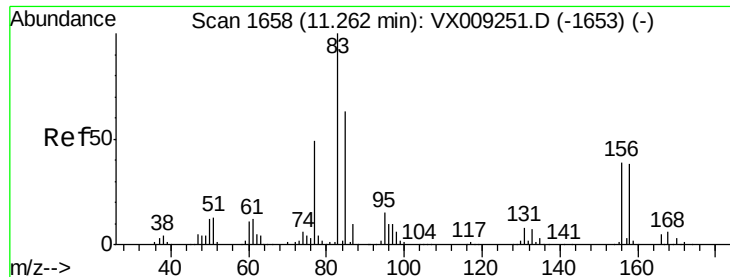
MMDadoda
5/20/2019 11:16:55 AM



#70
Isopropylbenzene
Concen: 20.435 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 20.941 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

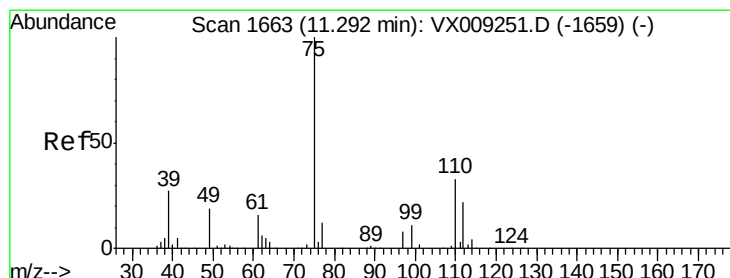
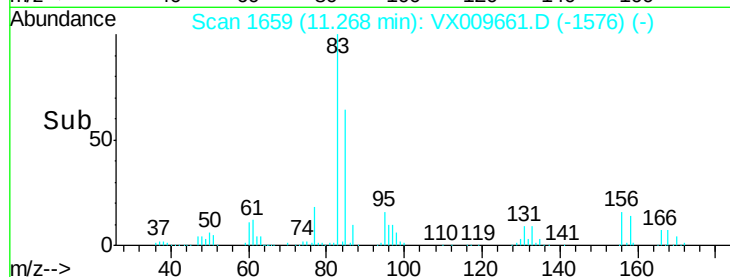
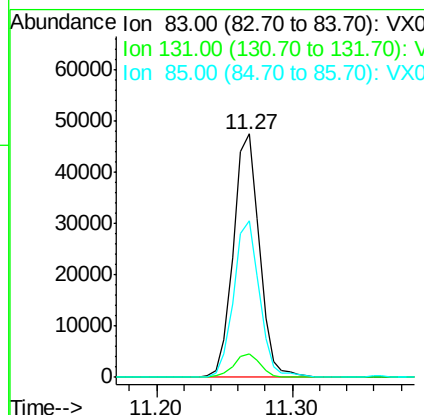
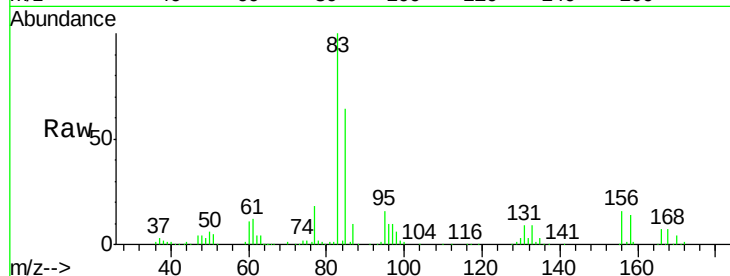
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	63563
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.7	14.0
85	63.6	32.4	97.2

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#72

1,2,3-Trichloropropane

Concen: 21.114 ug/l m

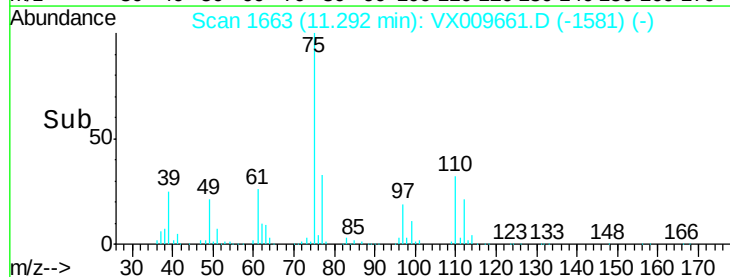
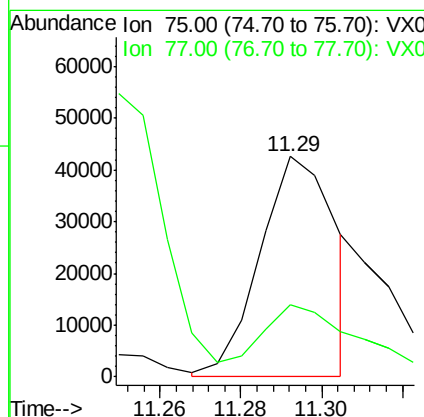
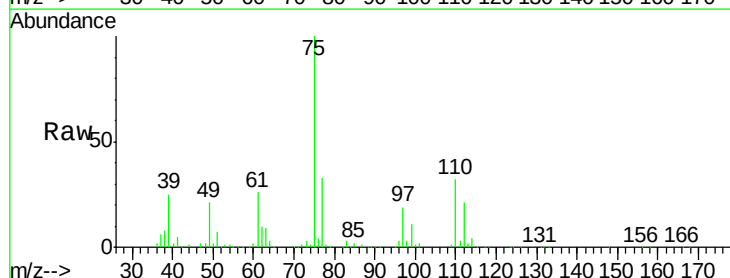
RT: 11.29 min Scan# 1663

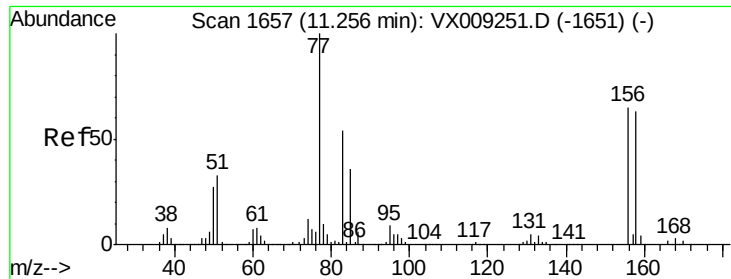
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	75	Resp:	55226
Ion Ratio	Lower	Upper	
75	100		
77	43.0	0.0	86.4





#73

Bromobenzene

Concen: 20.381 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

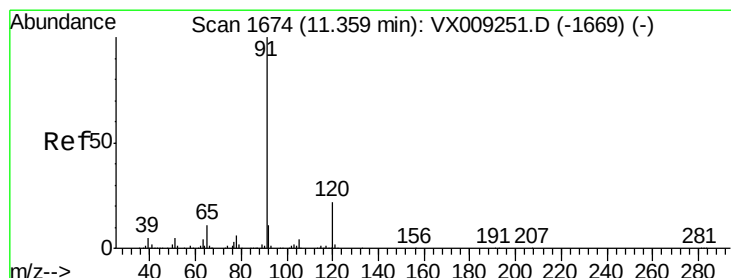
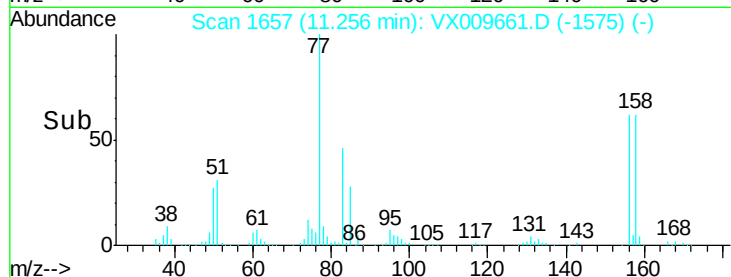
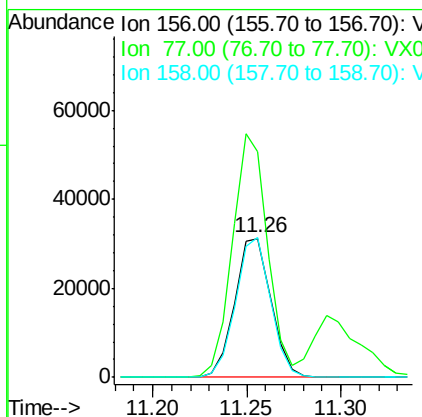
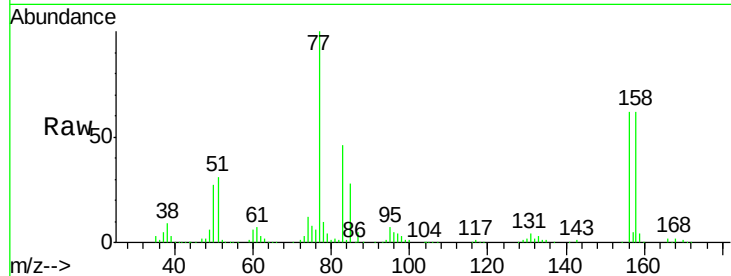
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	41735
Ion Ratio	Lower	Upper	
156	100		
77	169.6	0.0	335.6
158	96.6	0.0	191.2

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#74

n-propylbenzene

Concen: 20.468 ug/l

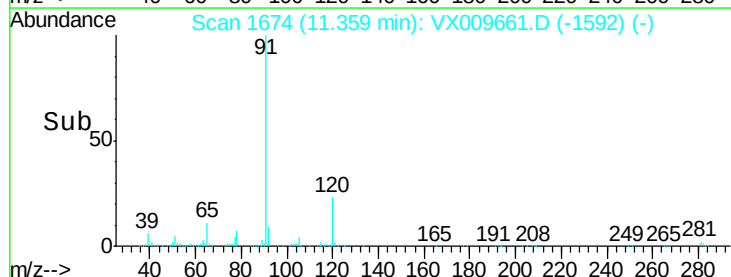
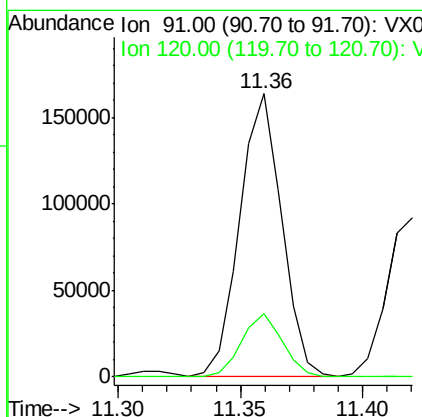
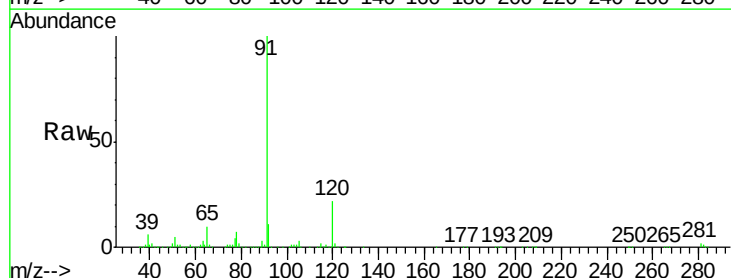
RT: 11.36 min Scan# 1674

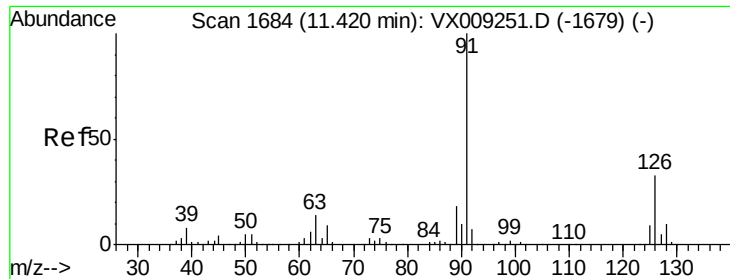
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	91	Resp:	196583
Ion Ratio	Lower	Upper	
91	100		
120	21.9	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.498 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 118082

Ion Ratio Lower Upper

91 100

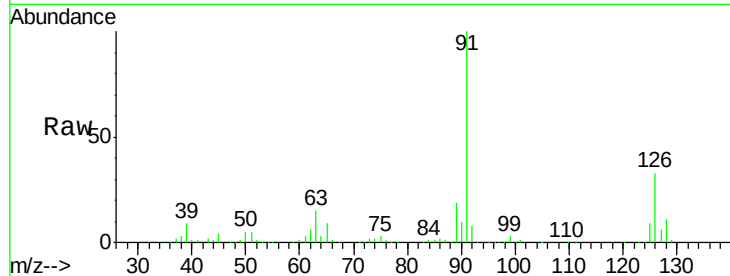
126 31.8 0.0 64.0

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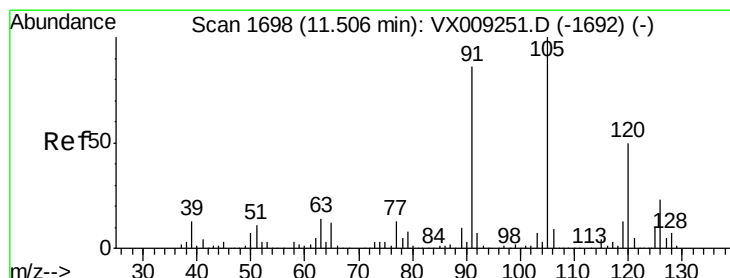
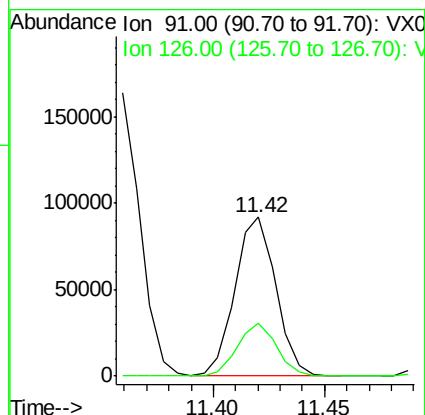
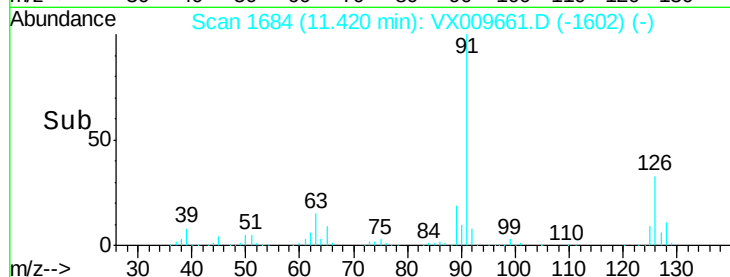
MMDadoda

5/20/2019 11:16:55 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009251.D (-1679) (-)

Ion 126.00 (125.70 to 126.70): VX009251.D (-1679) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.485 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009661.D

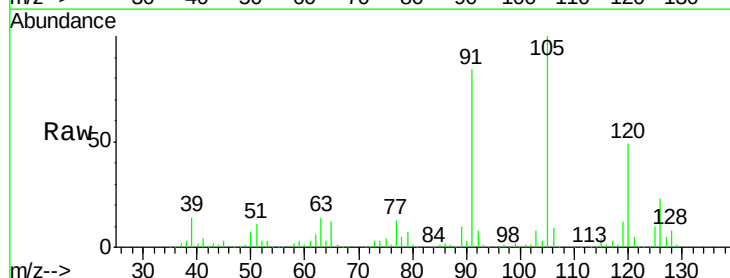
Acq: 17 May 2019 14:26

Tgt Ion: 105 Resp: 143816

Ion Ratio Lower Upper

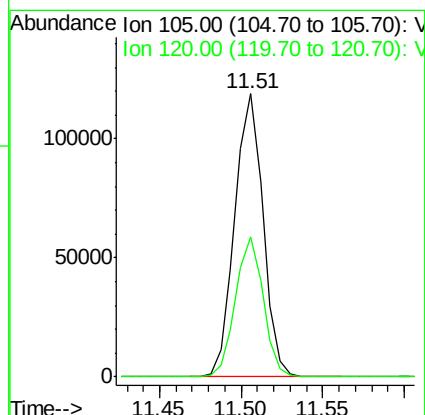
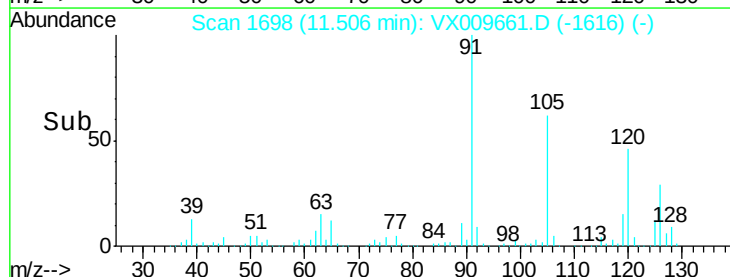
105 100

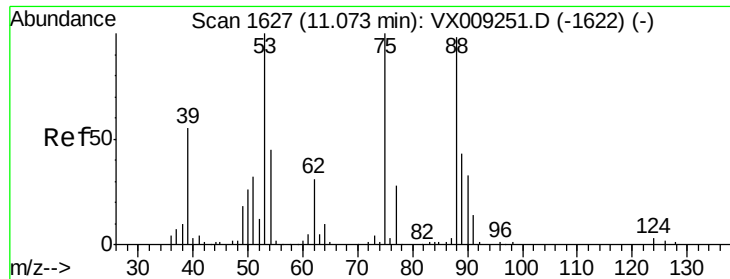
120 48.3 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009251.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX009251.D (-1692) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.467 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 19484

Ion Ratio Lower Upper

75 100

53 105.0 50.0 149.8

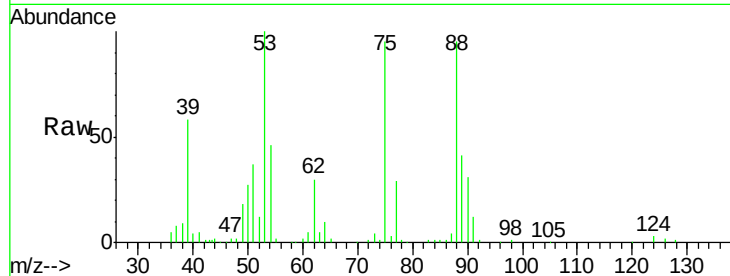
89 43.1 21.6 65.0

Manual Integrations

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MMDadoda

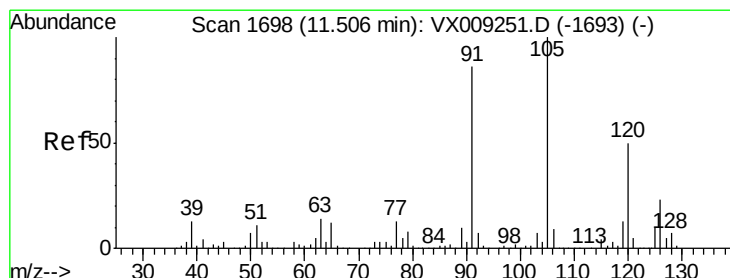
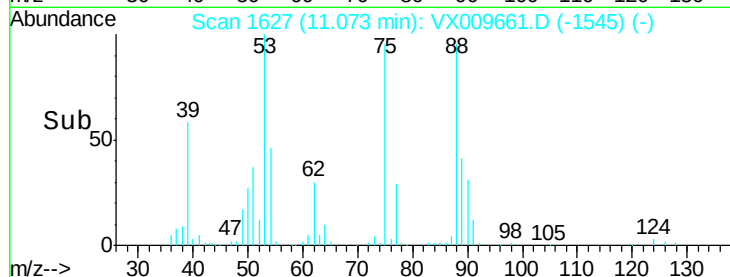
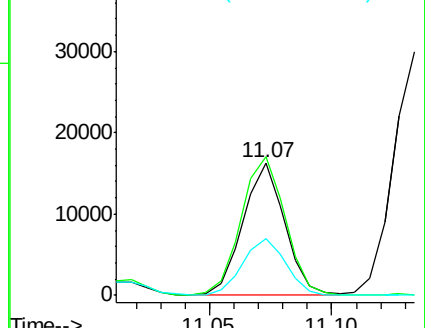
5/20/2019 11:16:55 AM



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 20.292 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009661.D

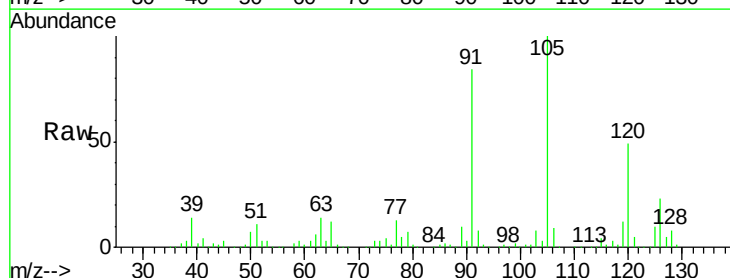
Acq: 17 May 2019 14:26

Tgt Ion: 91 Resp: 132763

Ion Ratio Lower Upper

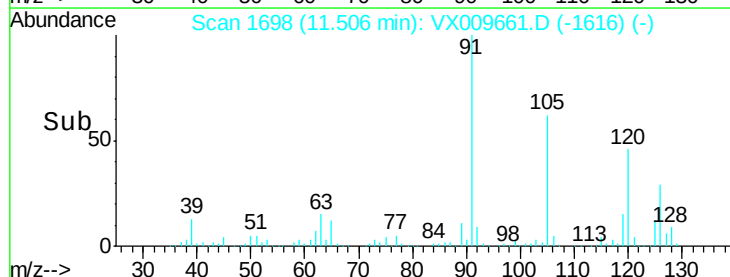
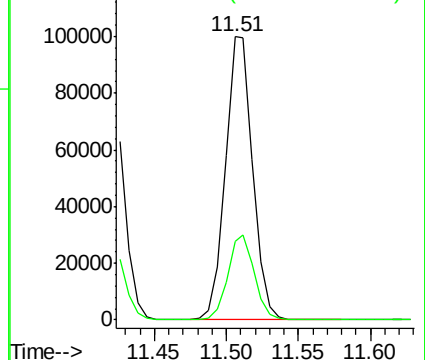
91 100

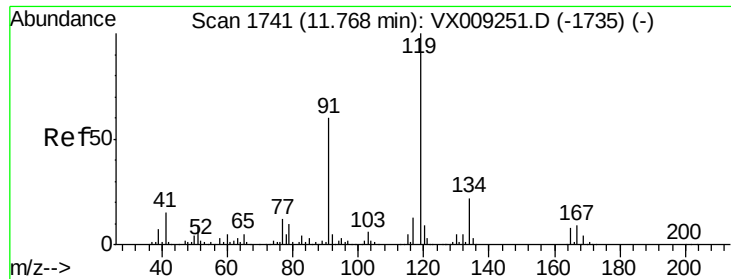
126 29.1 0.0 57.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V





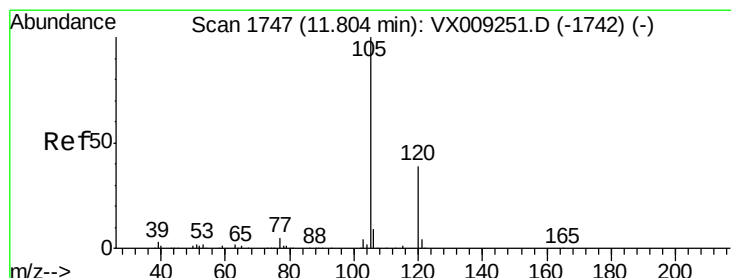
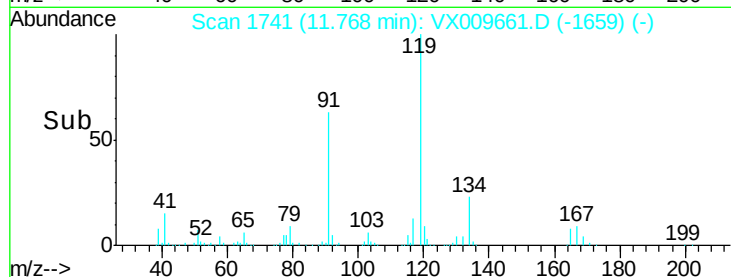
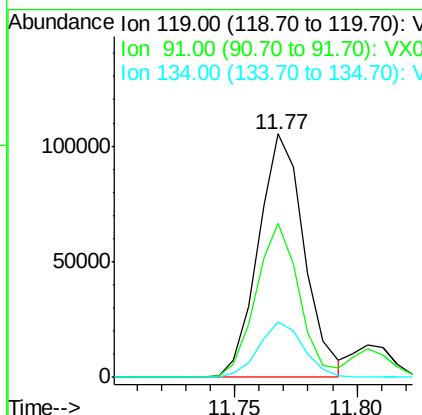
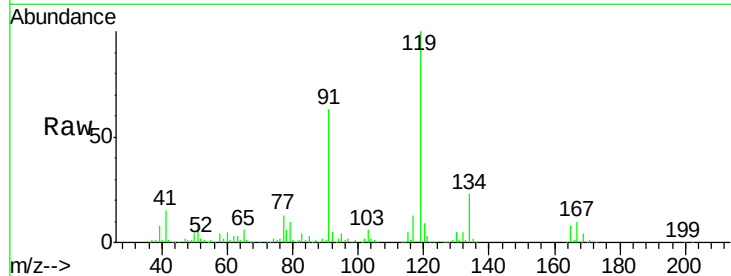
#79
tert-butylbenzene
Concen: 20.343 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138061		
91	60.0	0.0	118.2	
134	22.2	0.0	45.0	

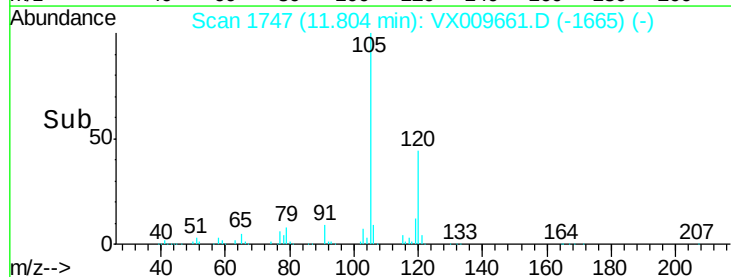
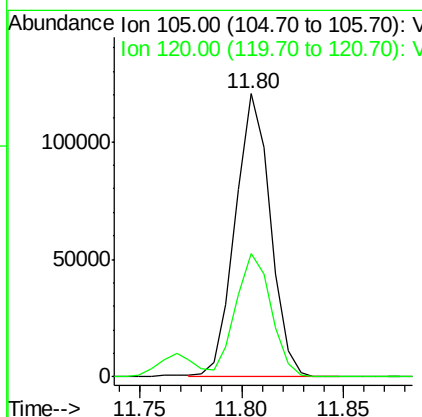
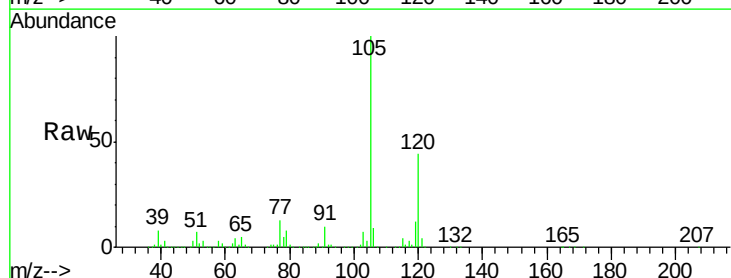
Manual Integrations
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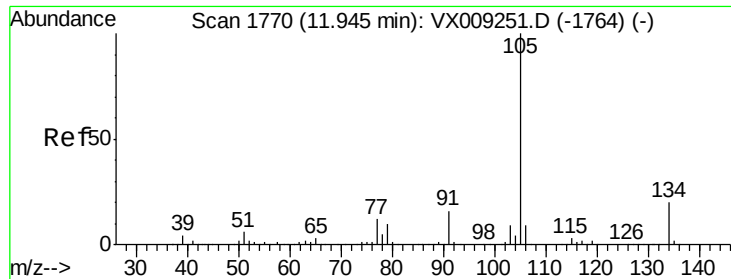
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.386 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009661.D
Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	143443		
120	43.9	0.0	89.6	





#81

sec-Butylbenzene

Concen: 20.633 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 166373

Ion Ratio Lower Upper

105 100

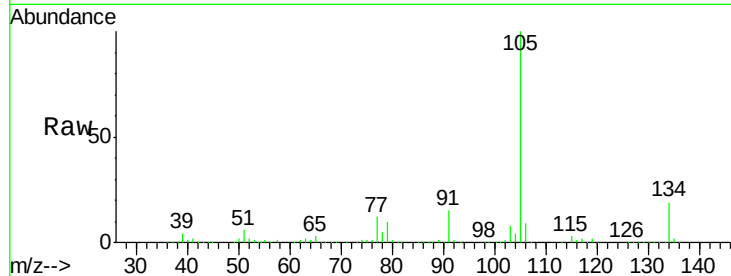
134 19.6 0.0 38.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

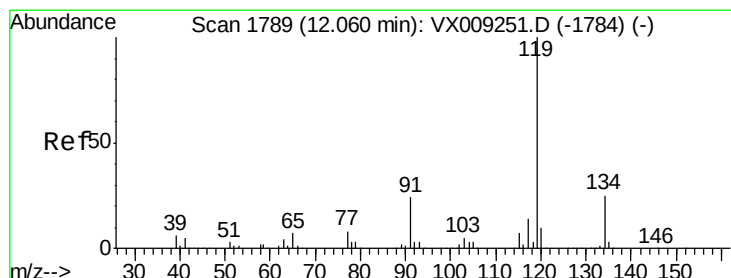
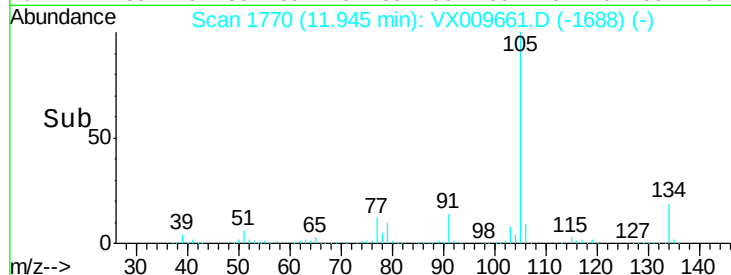
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.374 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

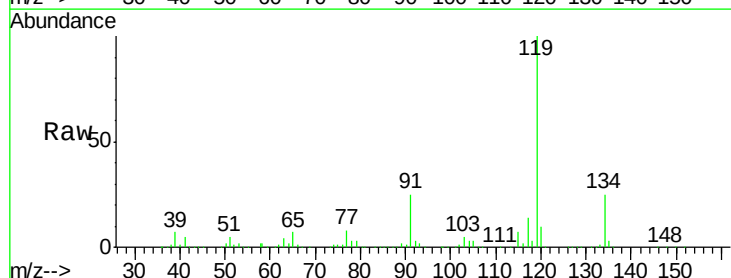
Tgt Ion:119 Resp: 149439

Ion Ratio Lower Upper

119 100

134 25.7 0.0 50.8

91 24.1 0.0 47.2



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): VX0

12.06

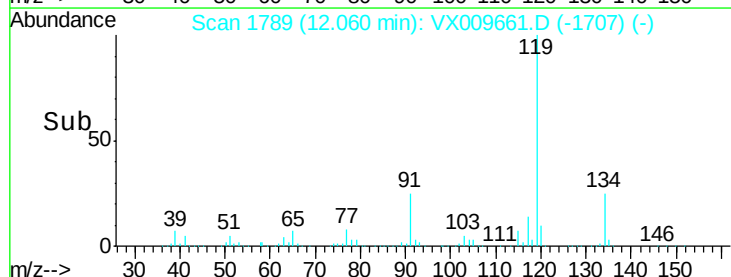
150000

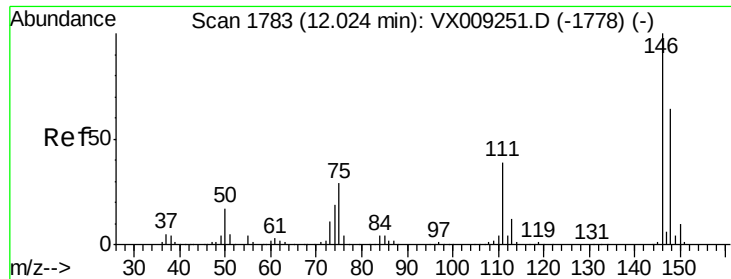
100000

50000

0

Time-->





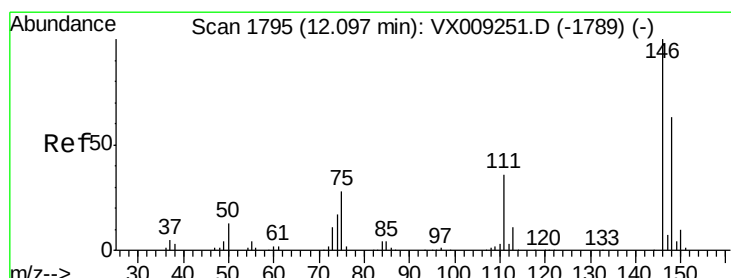
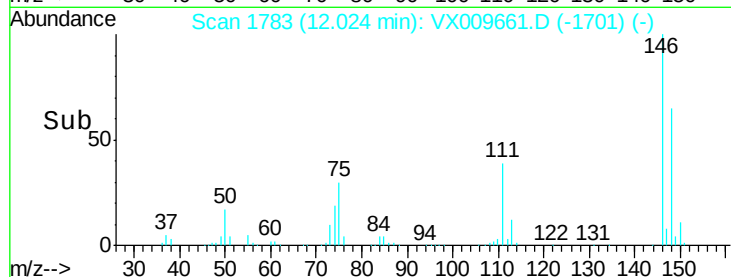
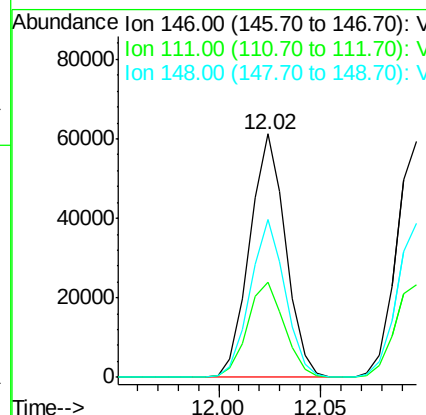
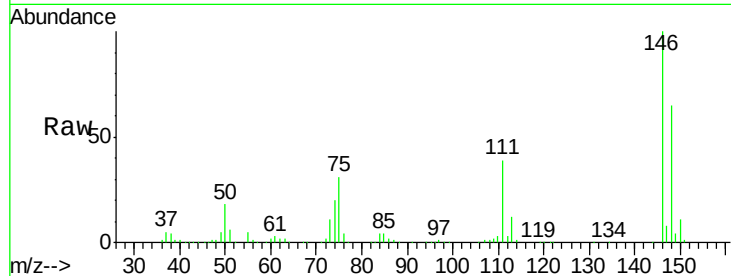
#83
 1,3-Dichlorobenzene
 Concen: 20.499 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	63.2	32.2	96.6

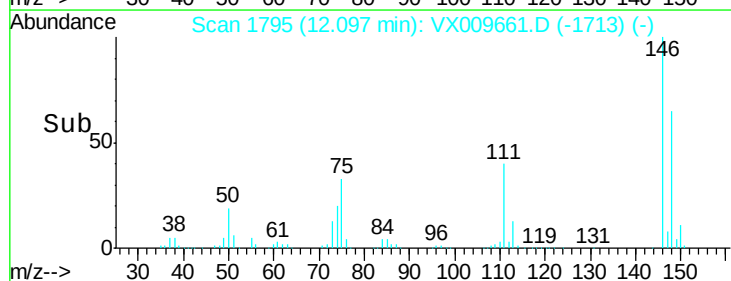
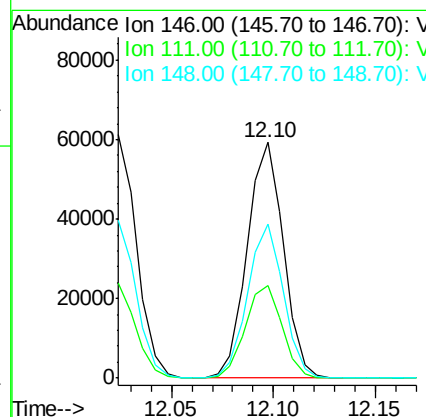
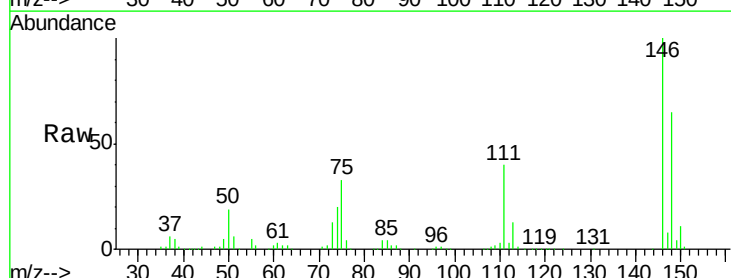
Manual Integrations
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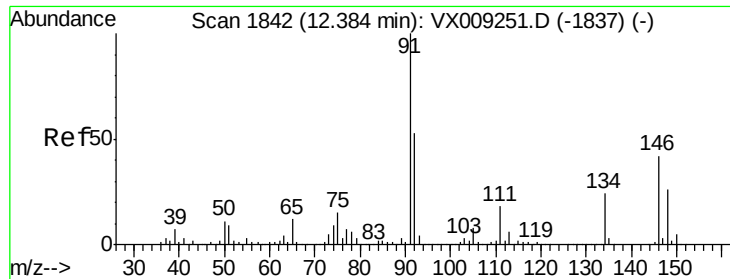
MMDadoda
 5/20/2019 11:16:55 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.025 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.6	32.3	96.8





#85

n-Butylbenzene

Concen: 20.060 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

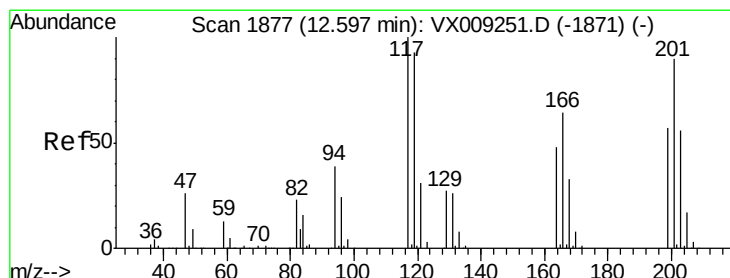
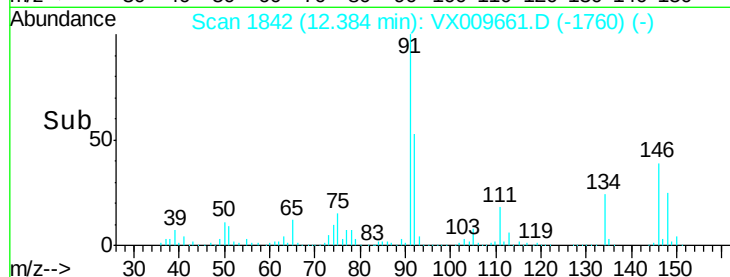
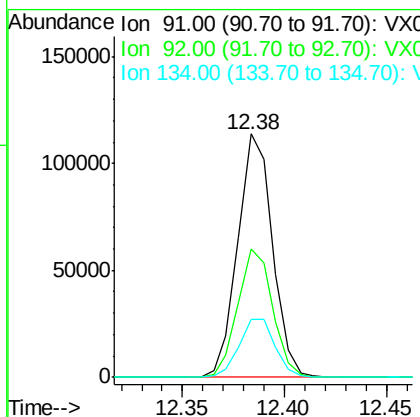
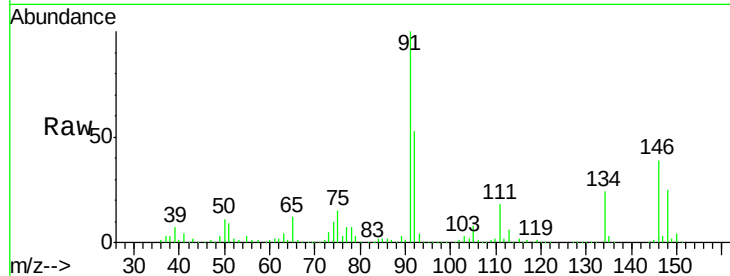
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	134634
Ion Ratio	Lower	Upper	
91	100		
92	53.0	0.0	106.6
134	25.0	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 19.532 ug/l

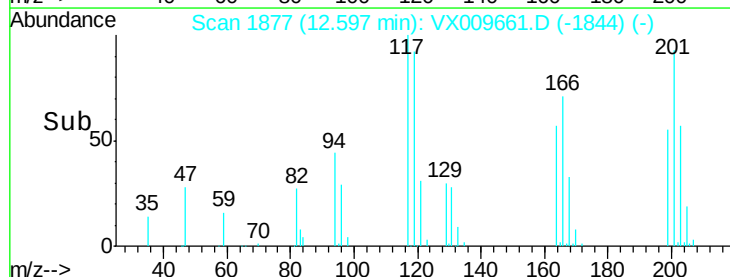
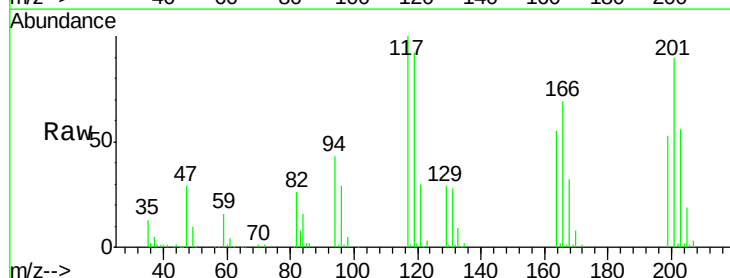
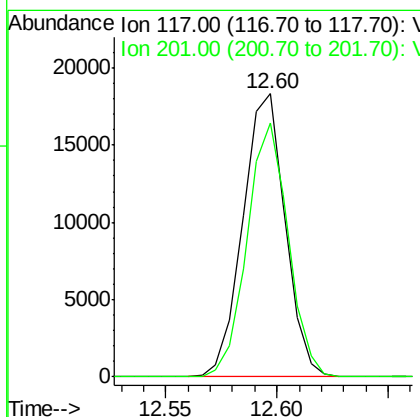
RT: 12.60 min Scan# 1877

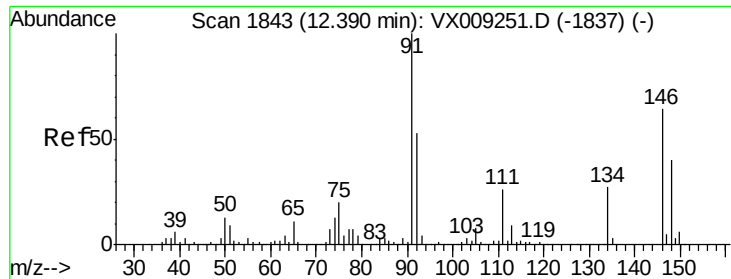
Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	117	Resp:	24378
Ion Ratio	Lower	Upper	
117	100		
201	86.7	41.8	125.4





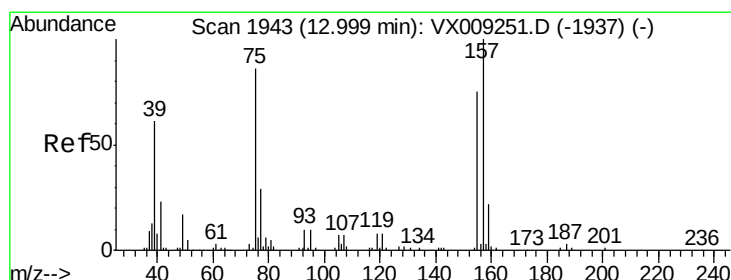
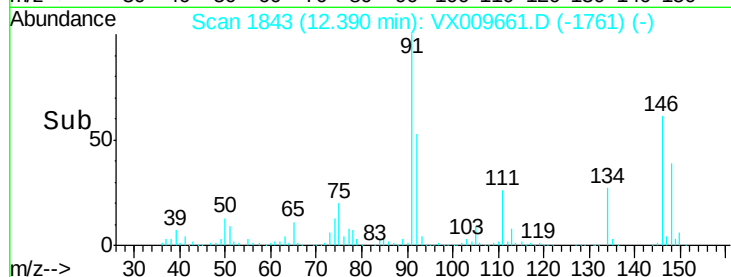
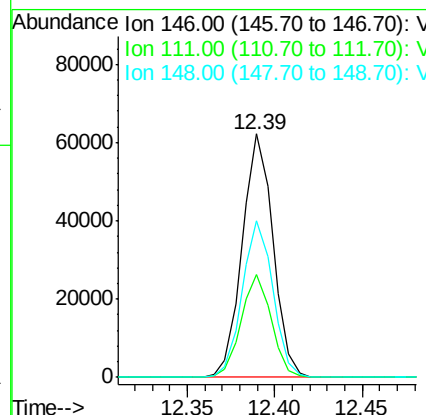
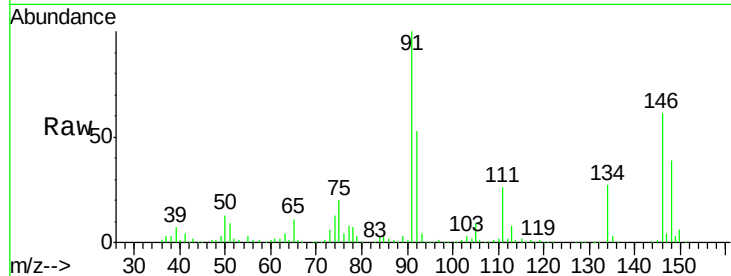
#87
 1,2-Dichlorobenzene
 Concen: 20.703 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.2
148	64.1	31.4	94.3

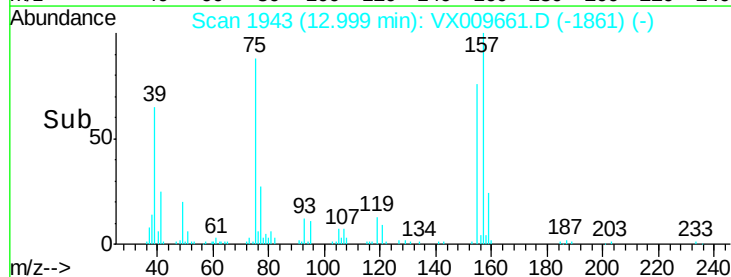
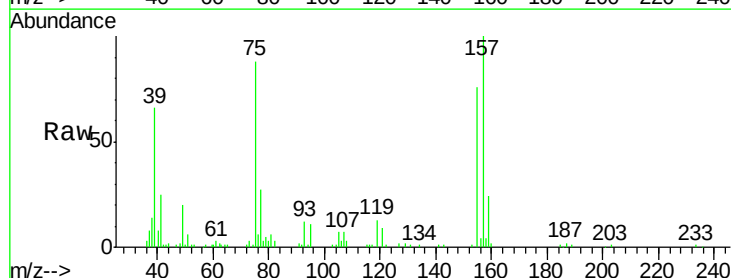
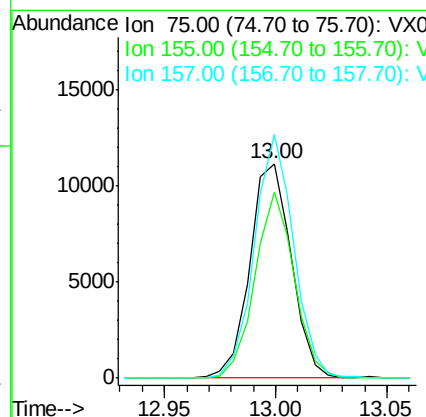
Manual Integrations
 APPROVED

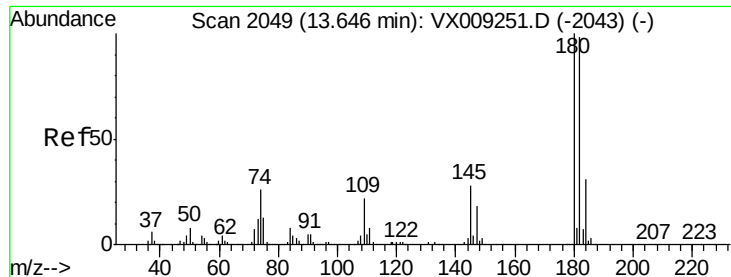
MMDadoda
 5/20/2019 11:16:55 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.587 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.5	65.9	98.9
157	106.9	85.2	127.8





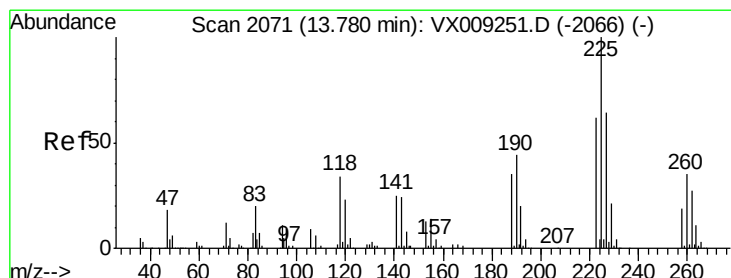
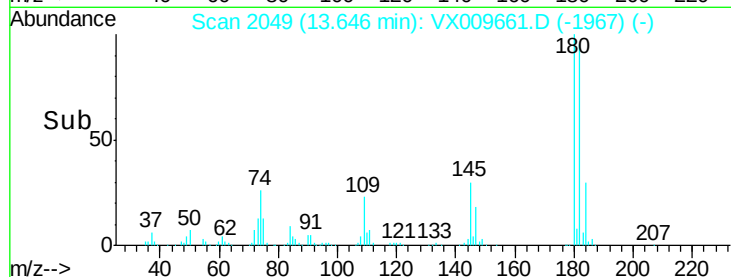
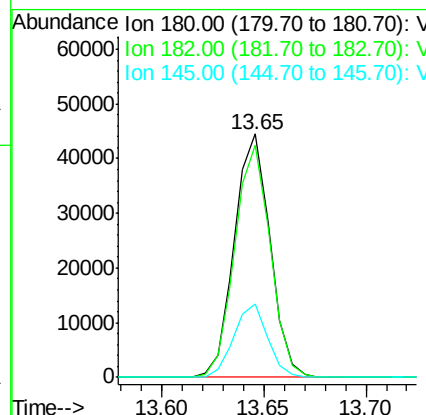
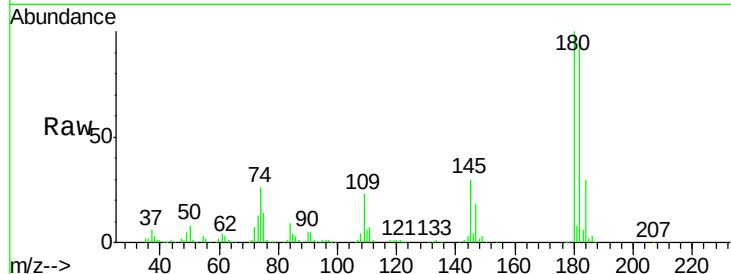
#89
 1,2,4-Trichlorobenzene
 Concen: 20.519 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	53837		
182	94.5	76.9	115.3	
145	28.5	23.0	34.6	

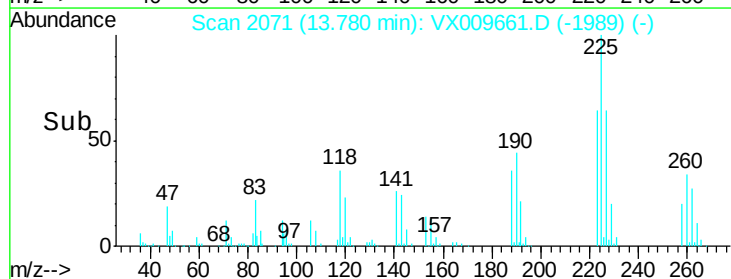
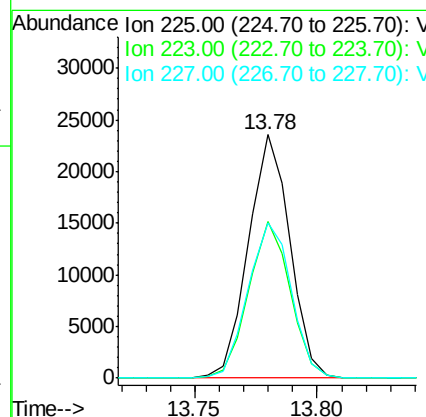
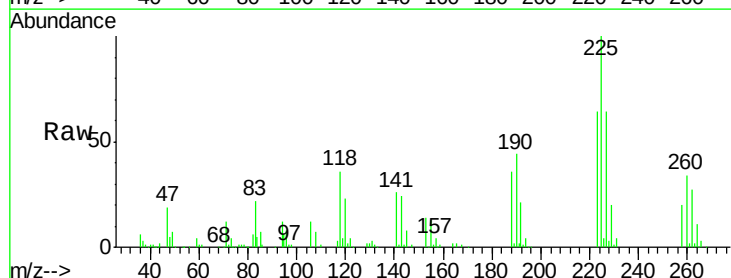
Manual Integrations
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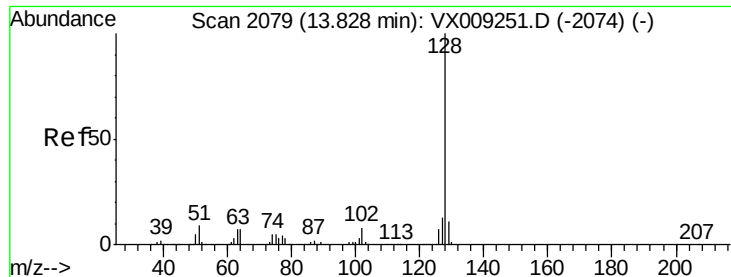
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#90
 Hexachlorobutadiene
 Concen: 21.245 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009661.D
 Acq: 17 May 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27844		
223	64.6	0.0	126.6	
227	66.6	0.0	130.0	





#91

Naphthalene

Concen: 20.436 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Instrument :

MSVOA_X

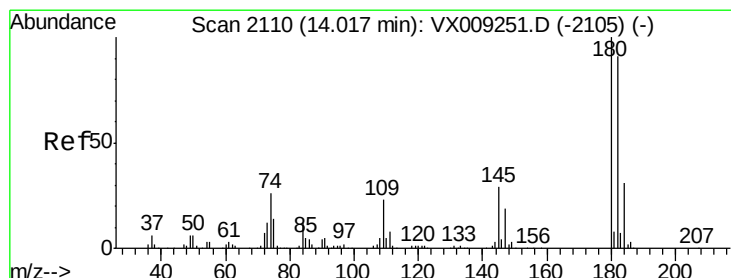
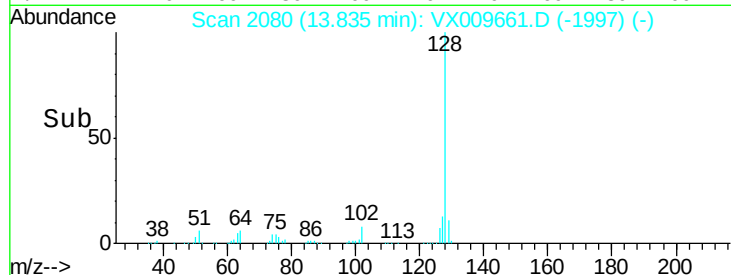
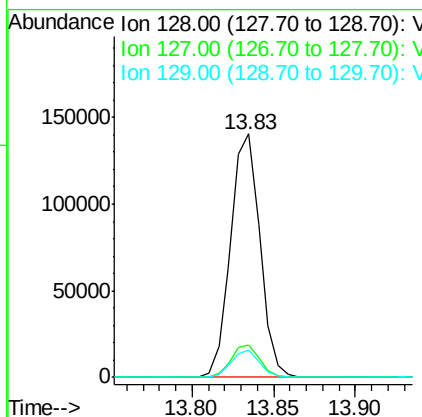
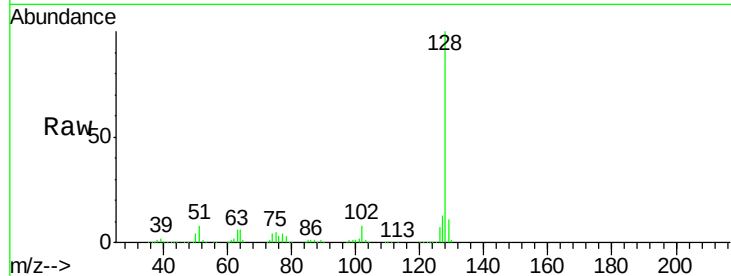
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	175557
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 21.008 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009661.D

Acq: 17 May 2019 14:26

Tgt Ion:	180	Resp:	56031
Ion Ratio	Lower	Upper	
180	100		
182	94.0	0.0	189.0
145	30.3	0.0	61.6

