

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009388.D
 Acq On : 07 May 2019 19:39
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:40:52 AM

Quant Time: May 08 02:26:21 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	5.02	128	28485	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	167184	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	150173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	71512	30.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.87%
60) 4-Bromofluorobenzene	11.13	95	75776	29.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.00%
63) Toluene-d8	8.71	98	211897	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	26910	17.779	ug/l 99
3) Chloromethane	1.32	50	34585	16.999	ug/l 98
4) Vinyl Chloride	1.40	62	36795	18.129	ug/l 99
5) Bromomethane	1.64	94	17975	13.971	ug/l 100
6) Chloroethane	1.72	64	23952	17.995	ug/l 96
7) Trichlorofluoromethane	1.93	101	47986	19.147	ug/l 99
8) Diethyl Ether	2.19	74	22691	19.498	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	29862	19.245	ug/l 98
10) 1,1-Dichloroethene	2.37	96	30335	19.470	ug/l 97
11) Methyl Iodide	2.51	142	16784	9.910	ug/l 98
12) Methyl Acetate	2.78	43	60659	20.670	ug/l 100
13) Acrolein	2.29	56	30562	75.930	ug/l 99
14) Acrylonitrile	3.15	53	134758	105.811	ug/l 100
15) Acetone	2.45	58	37169	101.649	ug/l 96
16) Carbon Disulfide	2.57	76	76052	18.041	ug/l 98
17) Allyl chloride	2.73	41	70254	18.782	ug/l 99
18) Methylene Chloride	2.85	84	37124	19.716	ug/l 98
19) trans-1,2-Dichloroethene	3.17	96	31743	19.108	ug/l 99
20) Diisopropyl ether	3.86	45	143851	19.529	ug/l 95
21) 1,1-Dichloroethane	3.70	63	69316	19.445	ug/l 97
22) cis-1,2-Dichloroethene	4.59	96	38217	19.099	ug/l 96
23) tert-Butyl Alcohol	3.06	59	59440	110.376	ug/l 100
24) Methyl tert-Butyl Ether	3.20	73	120989	19.843	ug/l 99
25) Chloroform	5.21	83	64231	19.745	ug/l 98
26) Cyclohexane	5.58	56	60933	18.341	ug/l # 98
29) 1,1-Dichloropropene	5.81	75	45363	18.492	ug/l 98
30) 2-Butanone	4.68	43	204434	106.411	ug/l 100
31) 2,2-Dichloropropane	4.59	77	44463	16.441	ug/l 98
32) 1,1,1-Trichloroethane	5.50	97	52400	19.704	ug/l 97
33) Carbon Tetrachloride	5.78	117	42862	19.263	ug/l 97
34) Benzene	6.14	78	146793	19.409	ug/l 99
35) Methacrylonitrile	5.04	41	41925	20.858	ug/l 95
36) 1,2-Dichloroethane	6.20	62	55022	20.050	ug/l 99
37) Trichloroethene	7.21	130	34644	19.029	ug/l 96
38) Methylcyclohexane	7.46	83	53892	17.781	ug/l 99
39) 1,2-Dichloropropane	7.52	63	41808	19.412	ug/l 96
40) Dibromomethane	7.66	93	24341	19.913	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	49240	19.721	ug/l	97
42) Vinyl Acetate	3.82	43	633715	99.943	ug/l	99
43) Ethyl Acetate	4.84	43	74273	21.395	ug/l	100
44) Isopropyl Acetate	6.45	43	113522	20.186	ug/l	98
45) 1,4-Dioxane	7.74	88	24113	436.715	ug/l	99
46) Methyl methacrylate	7.77	41	57077	20.334	ug/l	95
47) n-amyl Acetate	10.90	43	99314	19.603	ug/l	100
48) t-1,3-Dichloropropene	9.04	75	55581	19.078	ug/l	95
49) cis-1,3-Dichloropropene	8.43	75	60858	19.028	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	38459	20.536	ug/l	97
51) Ethyl methacrylate	9.18	69	68261	19.724	ug/l	98
52) 1,3-Dichloropropane	9.37	76	66823	20.105	ug/l	99
53) Dibromochloromethane	9.59	129	36924	19.797	ug/l	99
54) 1,2-Dibromoethane	9.67	107	38661	20.128	ug/l	98
55) 2-Chloroethyl vinyl ether	8.31	63	181236	98.275	ug/l	99
56) Bromoform	10.85	173	27881	19.474	ug/l	100
58) 4-Methyl-2-Pentanone	8.64	43	387586	104.964	ug/l	100
59) 2-Hexanone	9.49	43	303372	104.746	ug/l	99
61) Tetrachloroethene	9.34	164	31251	18.877	ug/l	99
62) Toluene	8.79	91	156127	19.456	ug/l	100
64) Chlorobenzene	10.14	112	93168	19.292	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.22	131	34901	19.737	ug/l	98
66) Ethyl Benzene	10.25	91	170799	19.106	ug/l	100
67) m/p-Xylenes	10.36	106	123019	37.691	ug/l	99
68) o-Xylene	10.70	106	62300	19.412	ug/l	98
69) Styrene	10.71	104	108993	19.346	ug/l	100
70) Isopropylbenzene	11.02	105	166683	19.312	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	64794	20.498	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	55308m	20.304	ug/l	
73) Bromobenzene	11.26	156	41298	19.366	ug/l	100
74) n-propylbenzene	11.36	91	187622	18.759	ug/l	99
75) 2-Chlorotoluene	11.42	91	114777	19.132	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	139294	19.052	ug/l	98
77) t-1,4-Dichloro-2-butene	11.07	75	19155	17.433	ug/l	92
78) 4-Chlorotoluene	11.51	91	127694	18.741	ug/l	99
79) tert-butylbenzene	11.77	119	133511	18.890	ug/l	100
80) 1,2,4-Trimethylbenzene	11.80	105	137337	18.742	ug/l	100
81) sec-Butylbenzene	11.94	105	159105	18.947	ug/l	100
82) p-Isopropyltoluene	12.06	119	142119	18.605	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	71902	18.880	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	71237	18.775	ug/l	99
85) n-Butylbenzene	12.38	91	123464	17.664	ug/l	99
86) Hexachloroethane	12.60	117	23927	18.408	ug/l	99
87) 1,2-Dichlorobenzene	12.39	146	74433	19.416	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	13.00	75	15396	20.960	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	51429	18.822	ug/l	99
90) Hexachlorobutadiene	13.78	225	25432	18.633	ug/l	99
91) Naphthalene	13.83	128	182042	20.348	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	53969	19.430	ug/l	99

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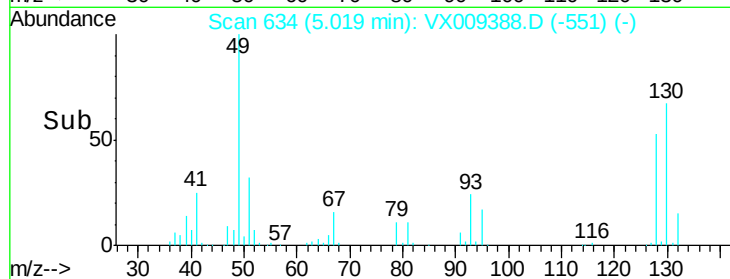
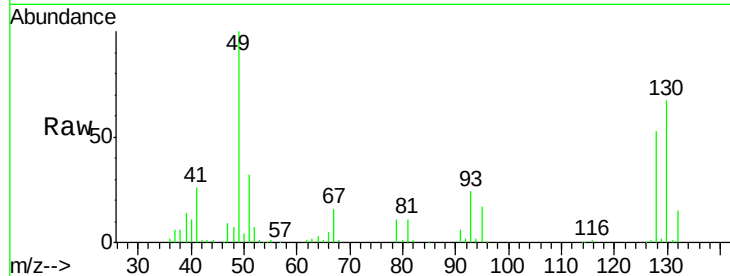
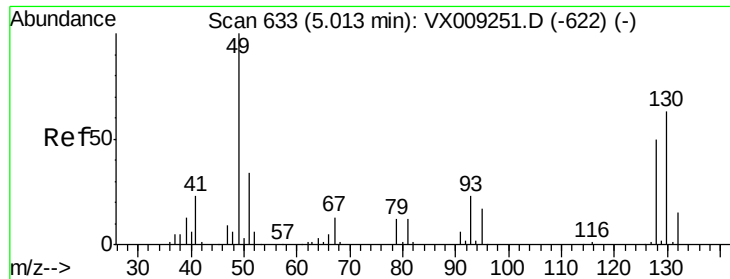
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tot Ion:	128	Resp:	28485
Ion	Ratio	Lower	Upper
128	100		
49	198.9	0.0	515.0
130	127.9	0.0	323.3

Instrument :

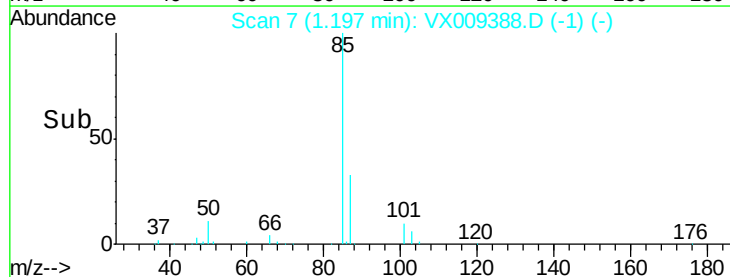
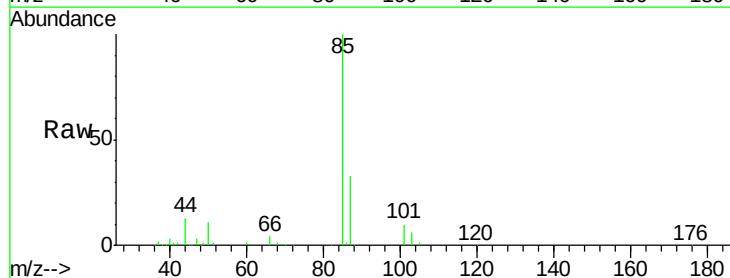
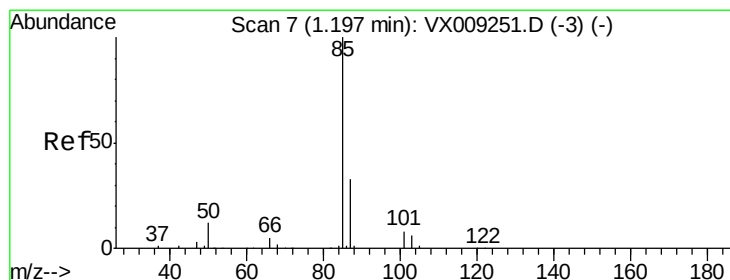
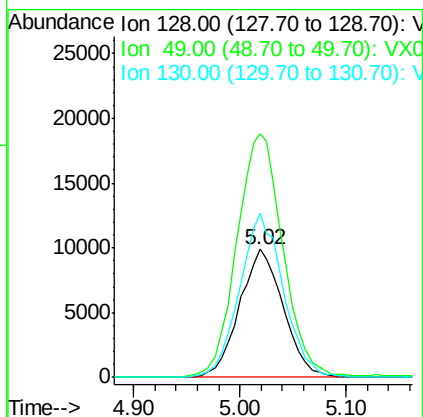
MSVOA_X

ClientSampleId :

VSTDCCC020EC

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 17.779 ug/l

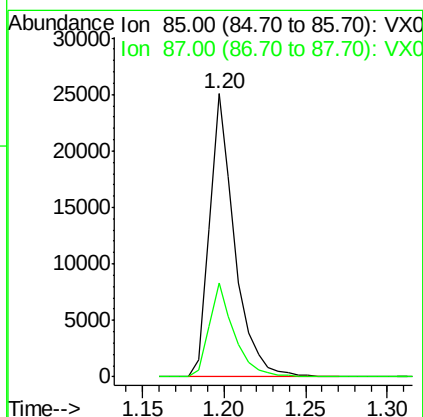
RT: 1.20 min Scan# 7

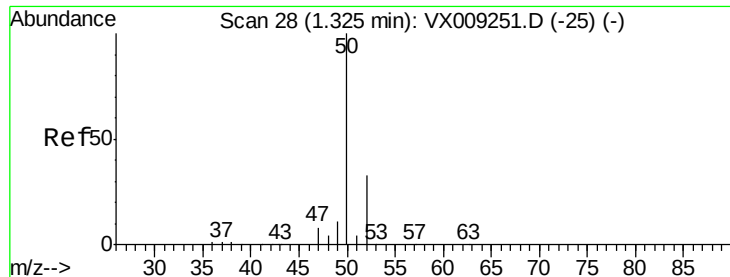
Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	85	Resp:	26910
Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.3	48.9





#3

Chloromethane

Concen: 16.999 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 50 Resp: 34585

Ion Ratio Lower Upper

50 100

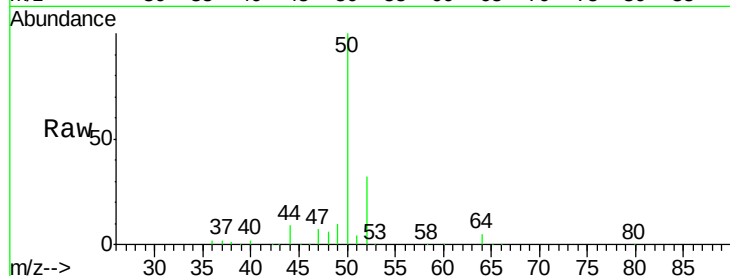
52 31.7 26.3 39.5

Manual Integrations

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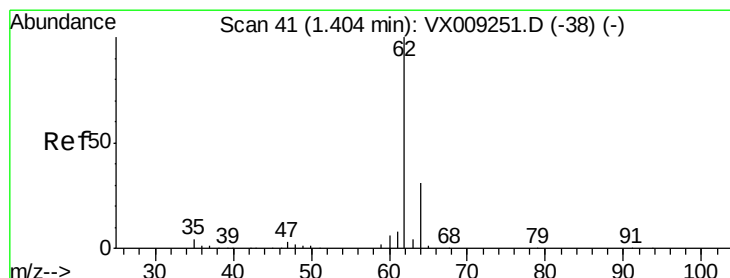
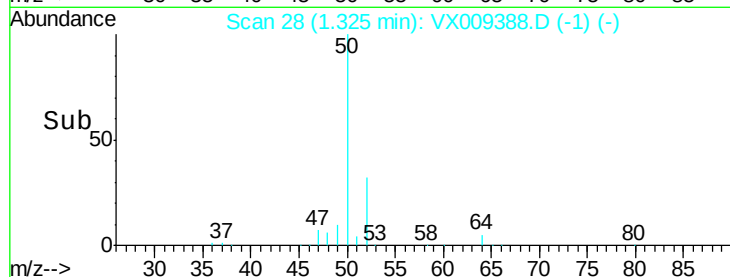
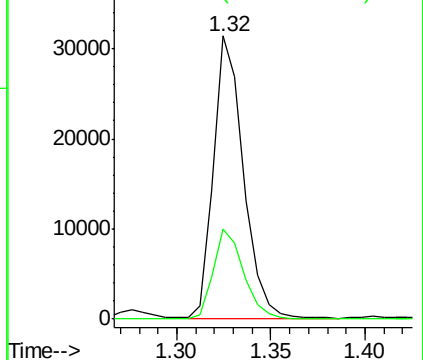
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Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 18.129 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX009388.D

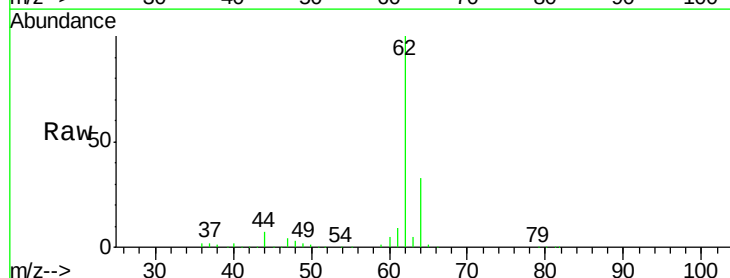
Acq: 07 May 2019 19:39

Tgt Ion: 62 Resp: 36795

Ion Ratio Lower Upper

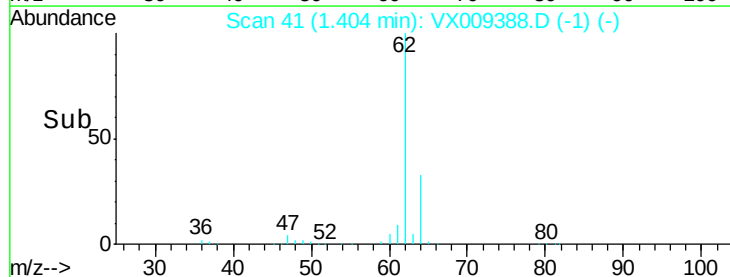
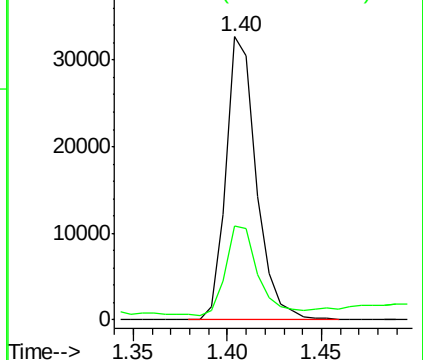
62 100

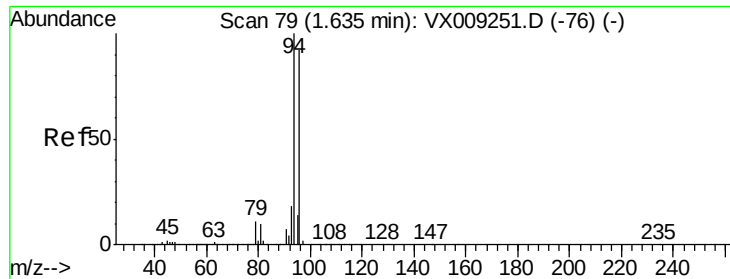
64 31.2 24.6 36.8



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 13.971 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 17975

Ion Ratio Lower Upper

94 100

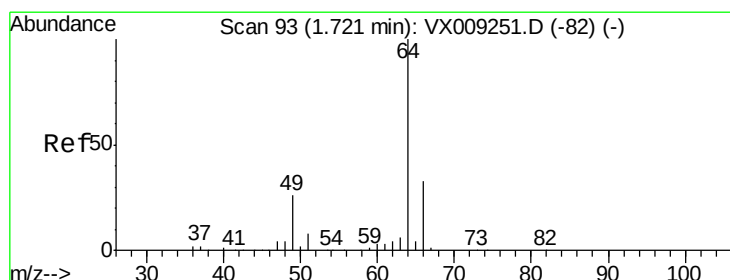
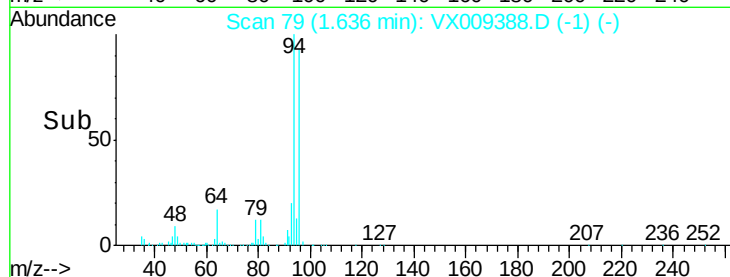
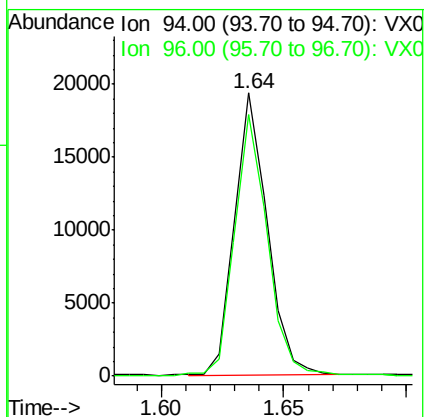
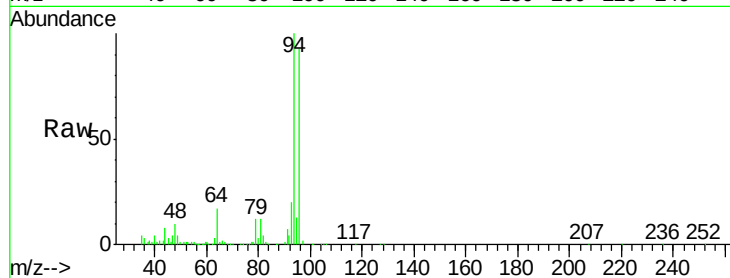
96 92.4 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 17.995 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX009388.D

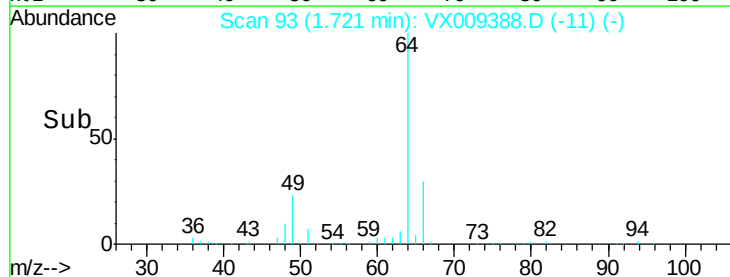
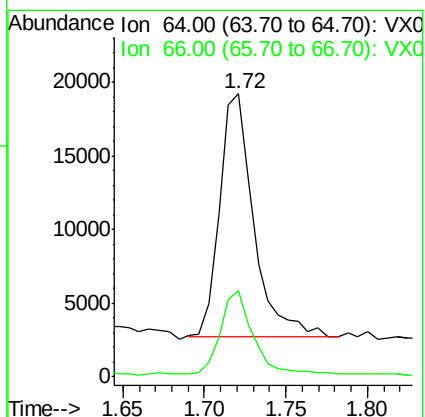
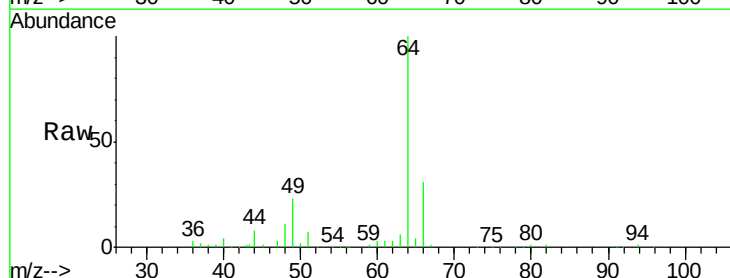
Acq: 07 May 2019 19:39

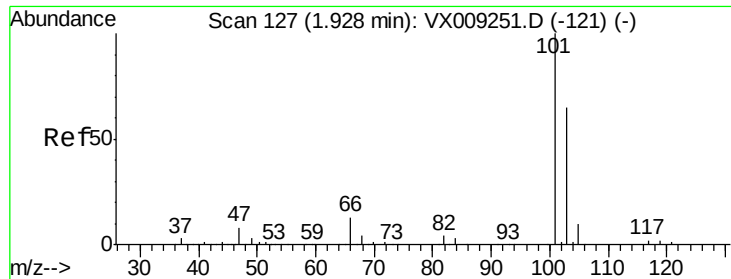
Tgt Ion: 64 Resp: 23952

Ion Ratio Lower Upper

64 100

66 34.4 25.9 38.9





#7

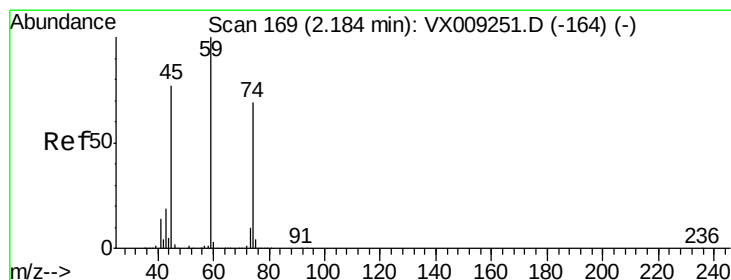
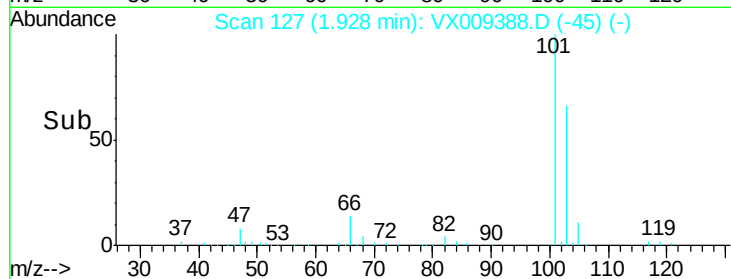
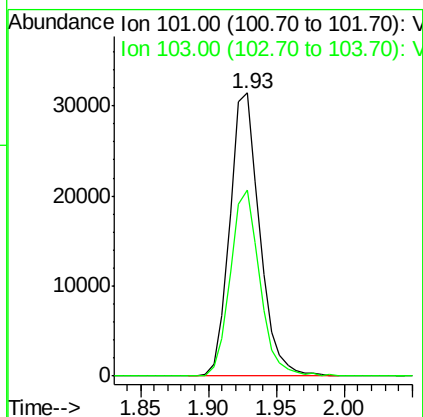
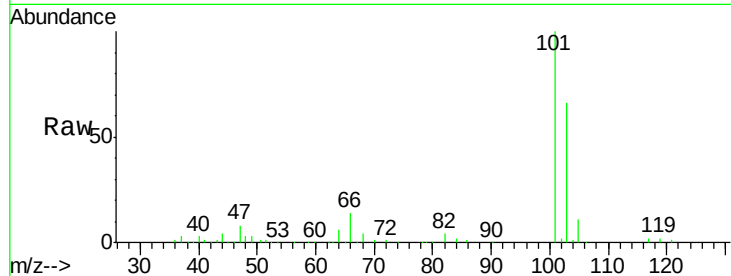
Trichlorofluoromethane
 Concen: 19.147 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

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 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		47986		
103	65.7	51.9	77.9		

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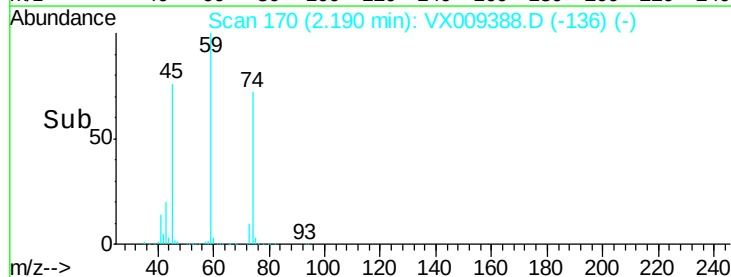
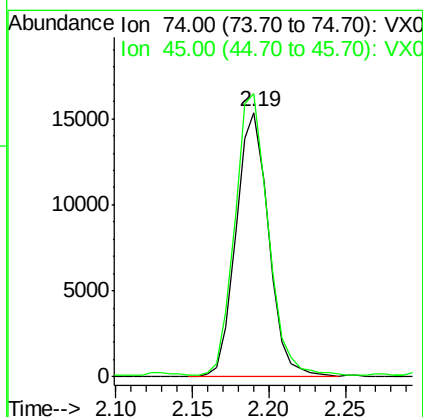
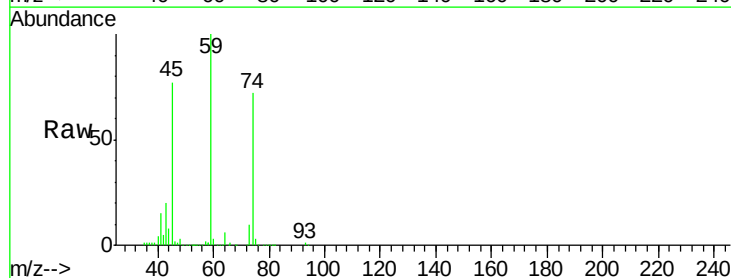
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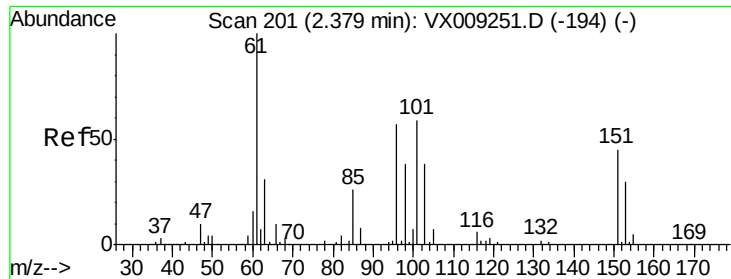


#8

Diethyl Ether
 Concen: 19.498 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22691		
45	109.0	21.5	193.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.245 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

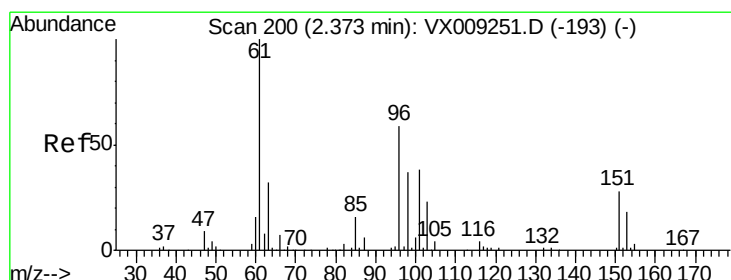
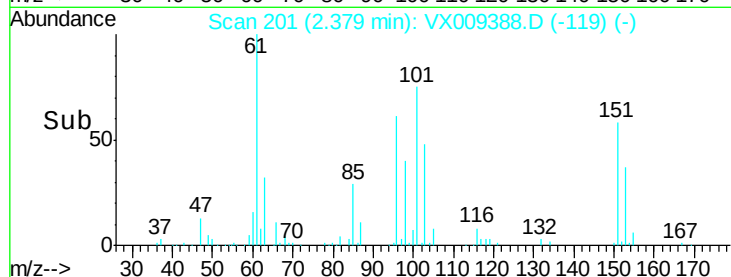
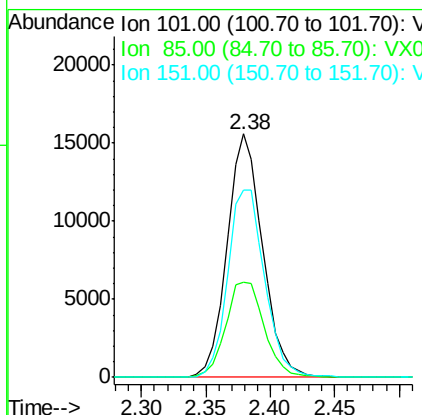
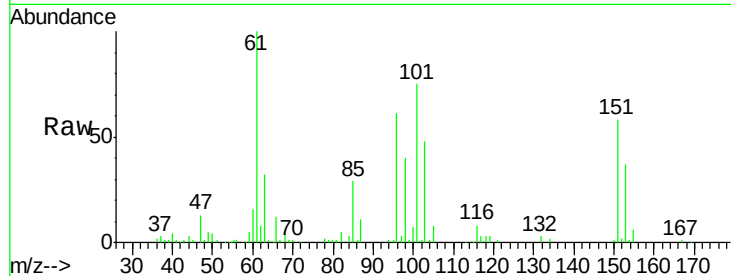
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	29862
Ion Ratio	Lower	Upper	
101	100		
85	42.6	0.0	87.4
151	80.4	0.0	157.0

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MMDadoda
5/8/2019 10:40:52 AM



#10

1,1-Dichloroethene

Concen: 19.470 ug/l

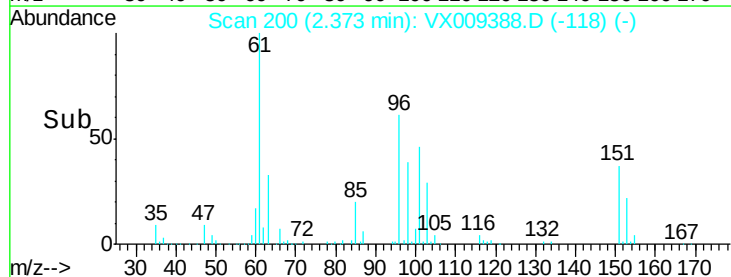
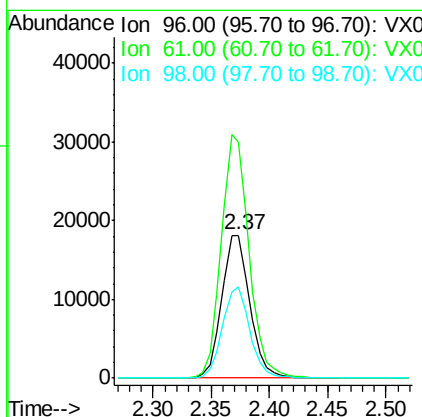
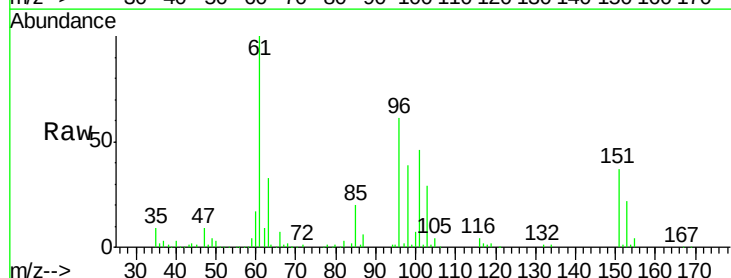
RT: 2.37 min Scan# 200

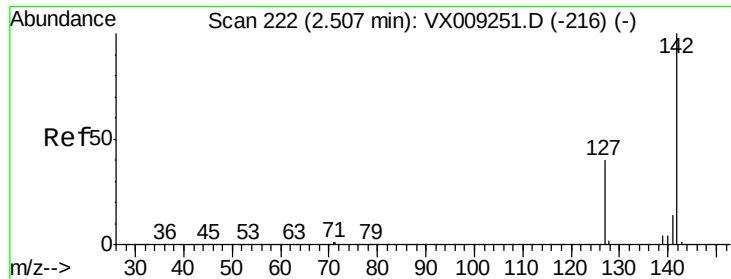
Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	96	Resp:	30335
Ion Ratio	Lower	Upper	
96	100		
61	164.4	136.5	204.7
98	63.9	51.0	76.4





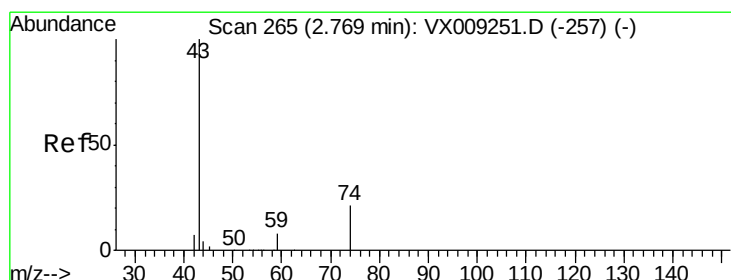
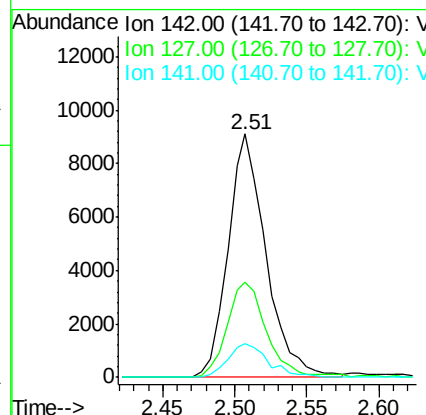
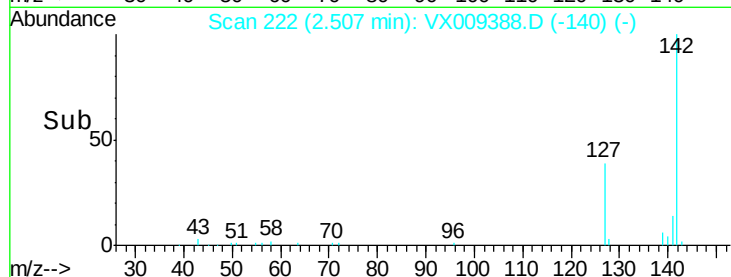
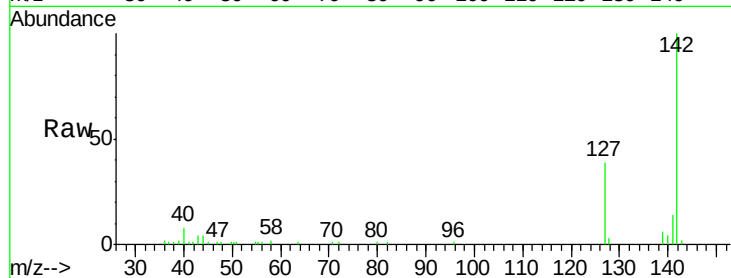
#11
Methvl Iodide
Concen: 9.910 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.0	20.2	60.5
141	14.1	6.9	20.7

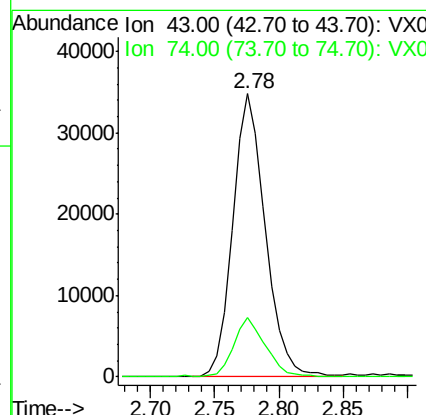
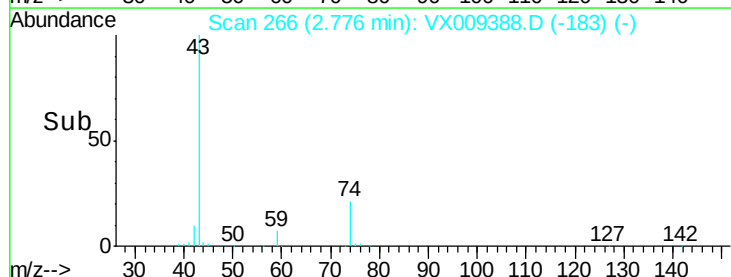
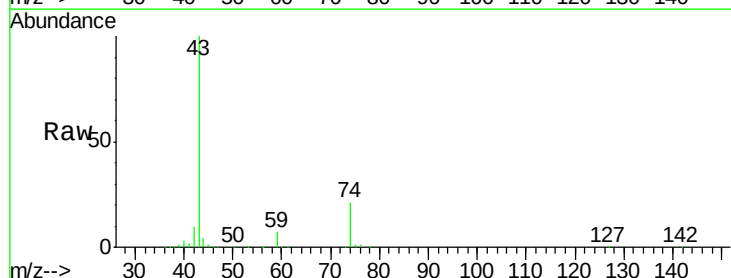
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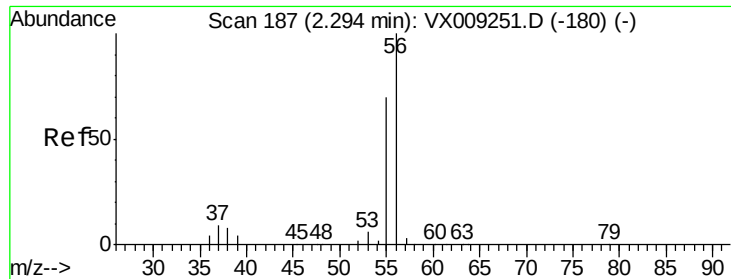
MMDadoda
5/8/2019 10:40:52 AM



#12
Methyl Acetate
Concen: 20.670 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.5	24.7





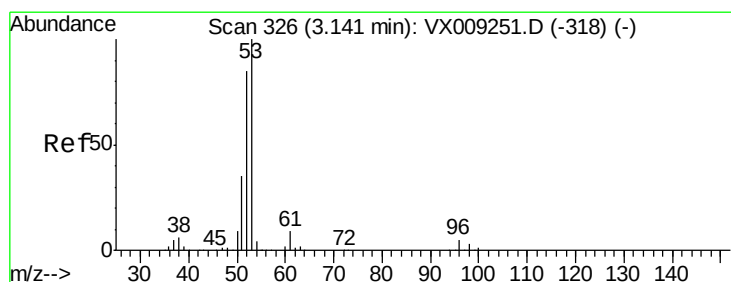
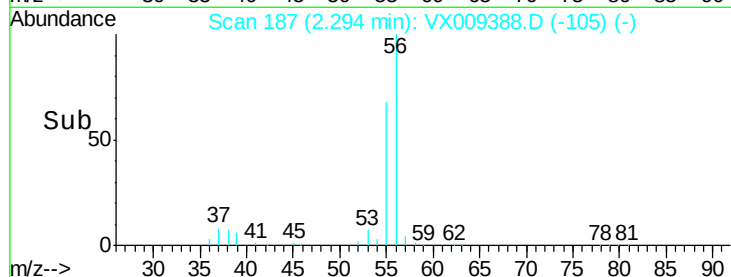
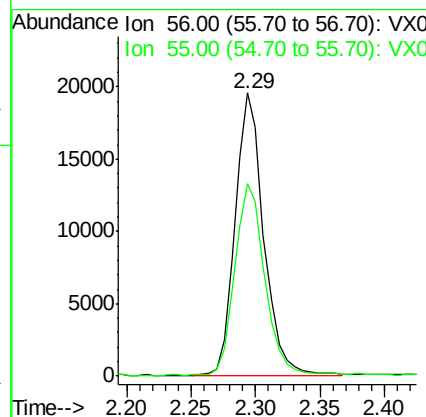
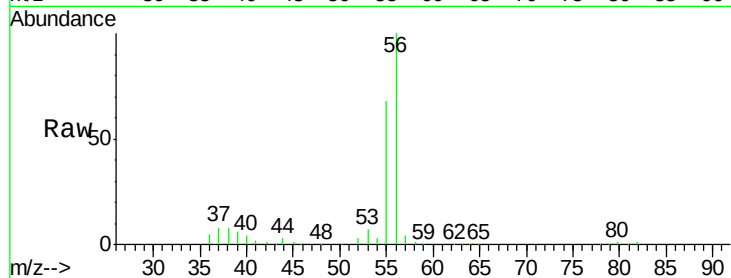
#13
Acrolein
Concen: 75.930 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.2	56.9	85.3	

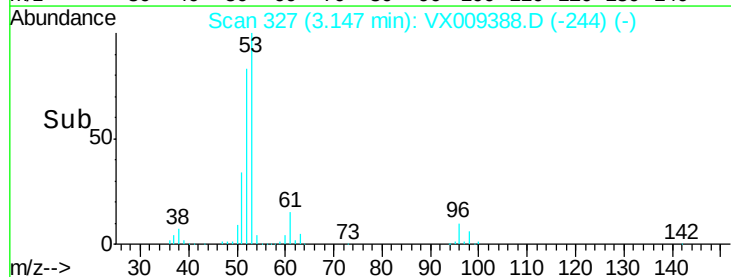
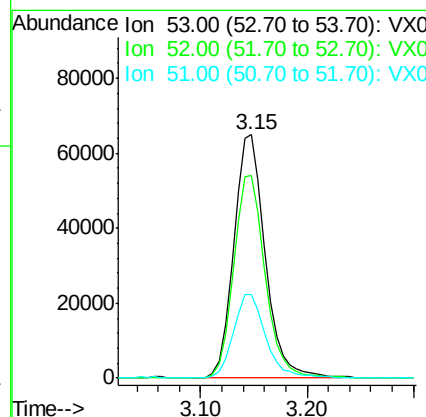
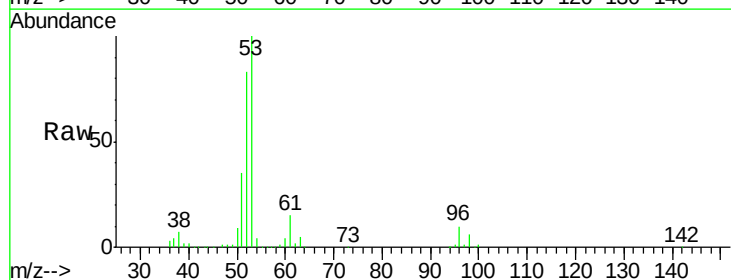
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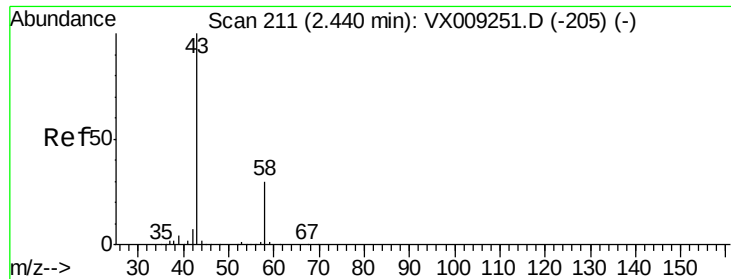
MMDadoda
5/8/2019 10:40:52 AM



#14
Acrylonitrile
Concen: 105.811 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.6	41.5	124.5	
51	35.4	17.8	53.3	





#15

Acetone

Concen: 101.649 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 37169

Ion Ratio Lower Upper

58 100

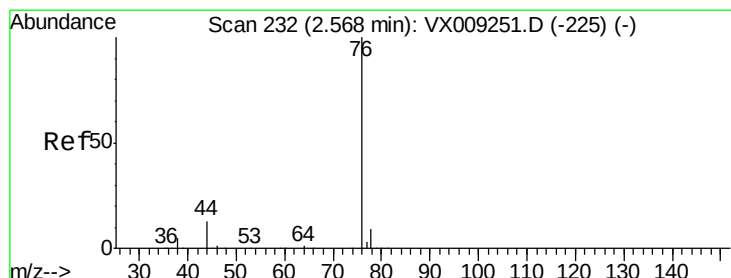
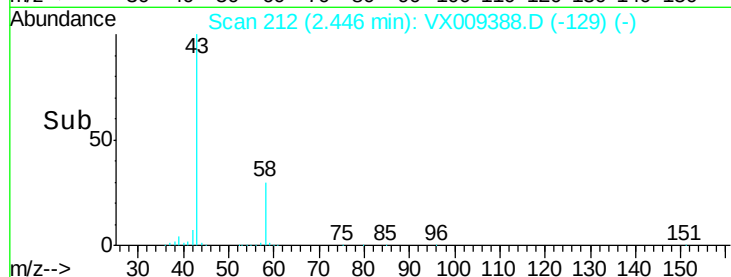
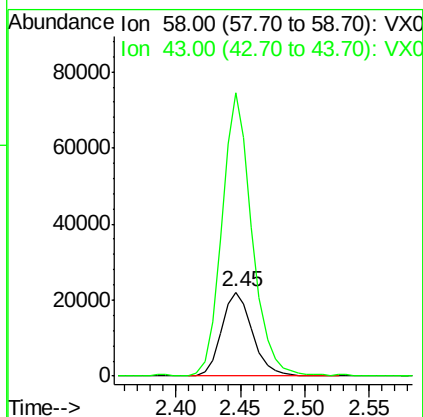
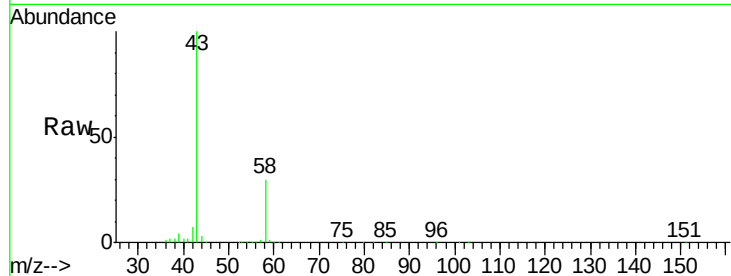
43 337.7 264.0 396.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.041 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009388.D

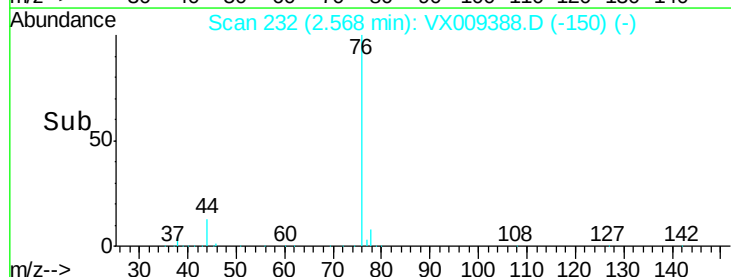
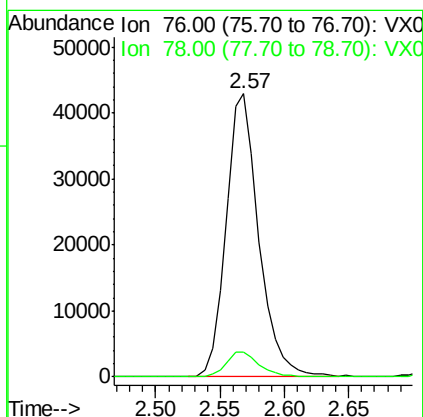
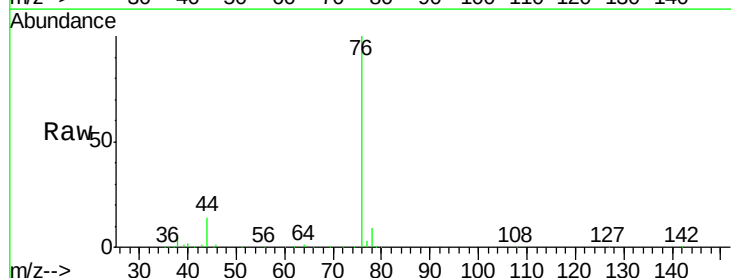
Acq: 07 May 2019 19:39

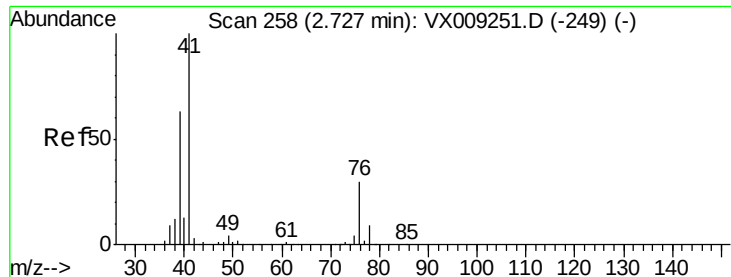
Tgt Ion: 76 Resp: 76052

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.2





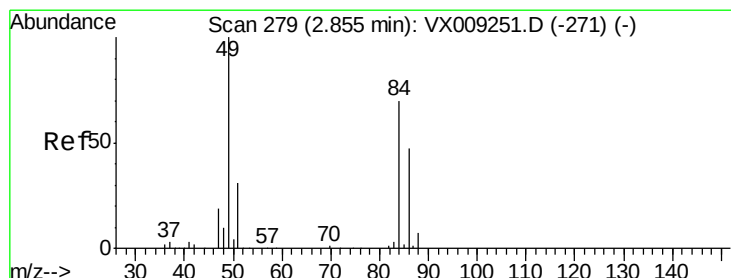
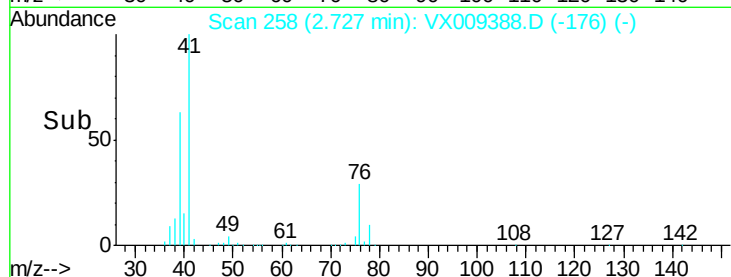
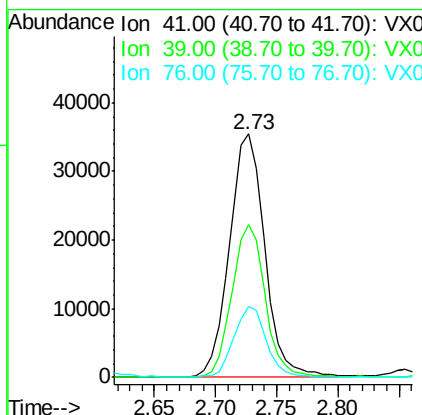
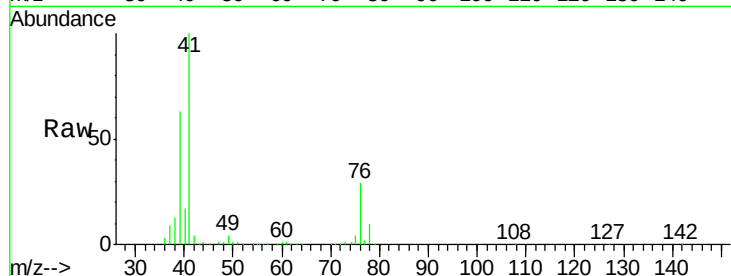
#17
Allvl chloride
Concen: 18.782 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	31.6	94.7
76	29.1	15.1	45.3

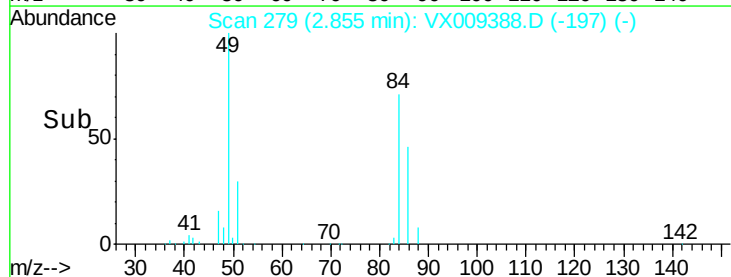
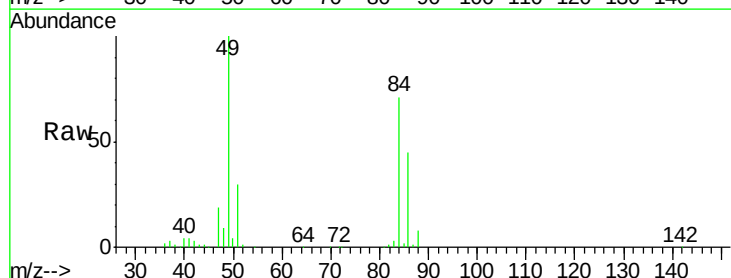
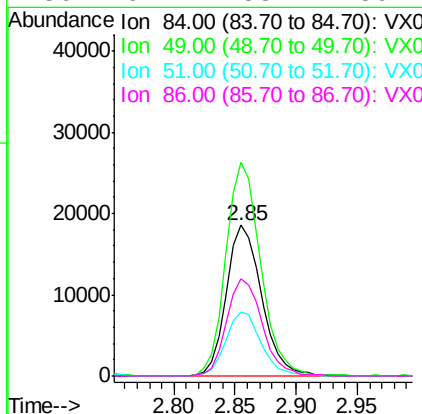
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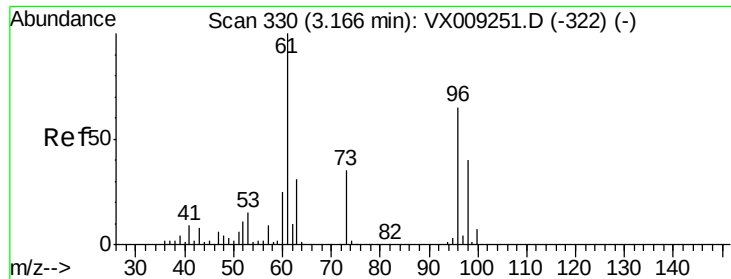
MMDadoda
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#18
Methylene Chloride
Concen: 19.716 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.4	114.6	171.8
51	42.8	35.5	53.3
86	64.1	53.4	80.2





#19

trans-1,2-Dichloroethene

Concen: 19.108 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 96 Resp: 31743

Ion Ratio Lower Upper

96 100

61 155.1 122.7 184.1

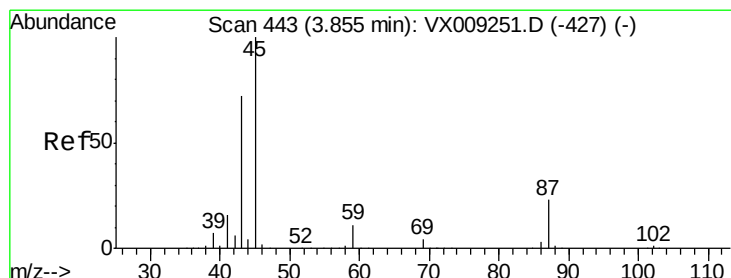
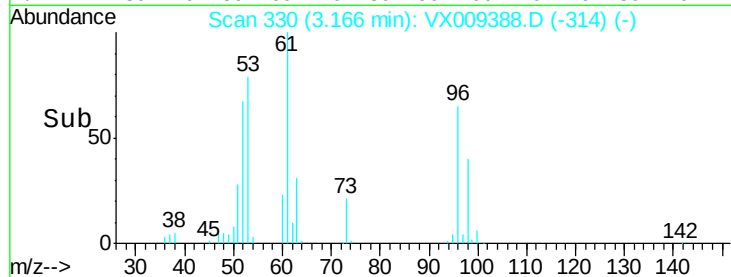
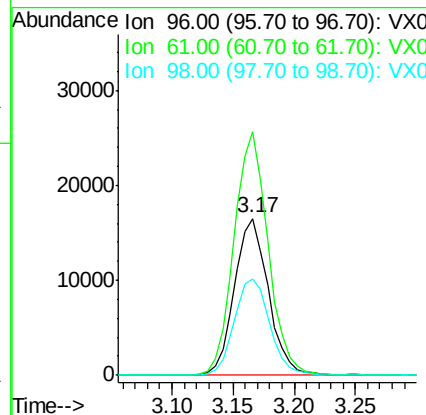
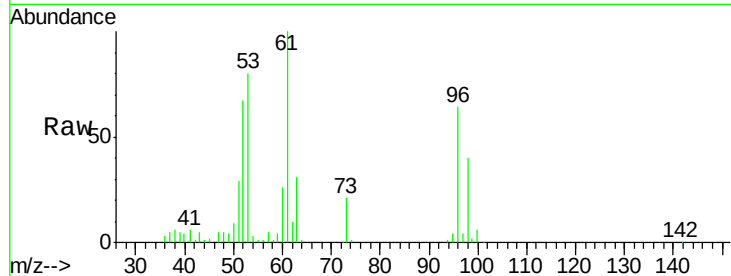
98 61.7 49.5 74.3

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#20

Diisopropyl ether

Concen: 19.529 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion: 45 Resp: 143851

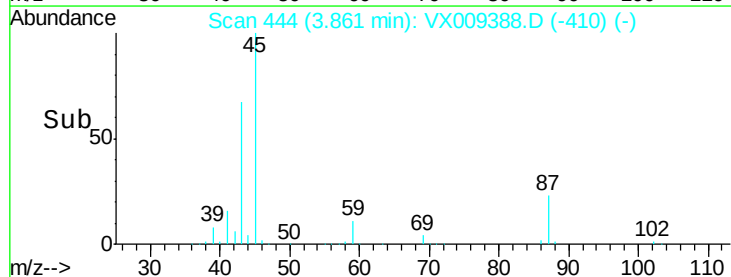
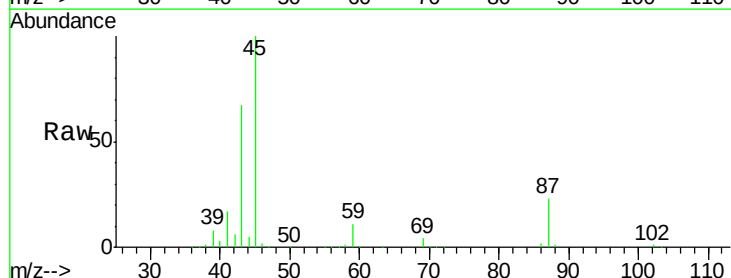
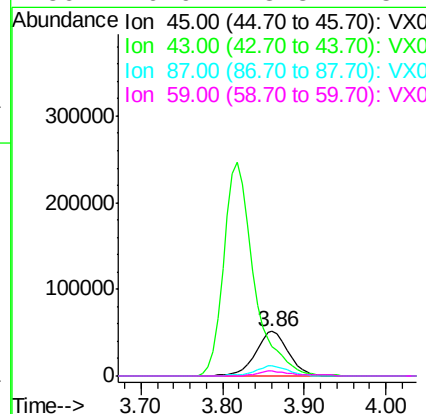
Ion Ratio Lower Upper

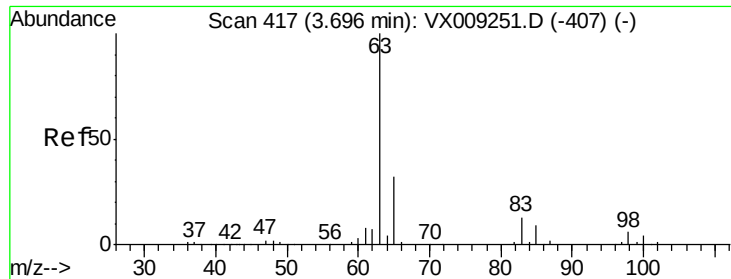
45 100

43 66.4 57.7 86.5

87 23.3 18.5 27.7

59 10.9 8.8 13.2





#21

1,1-Dichloroethane

Concen: 19.445 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

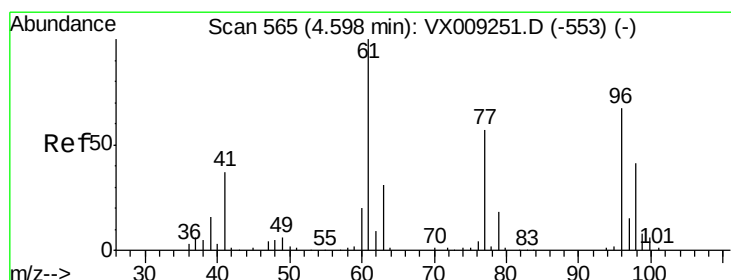
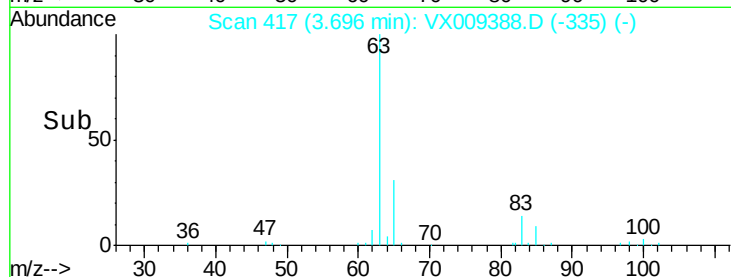
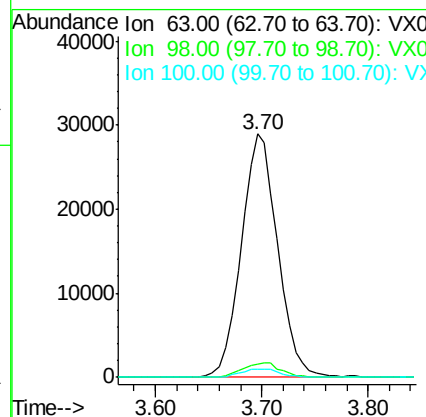
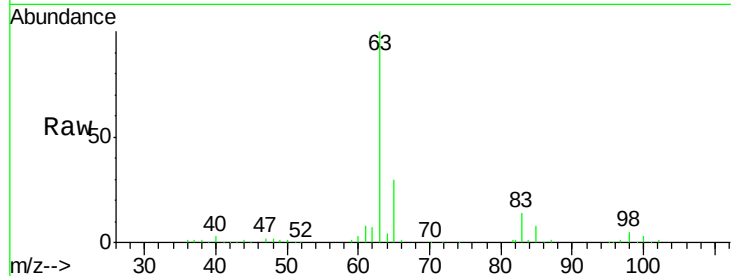
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	69316
Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.1	9.3
100	3.3	2.2	6.6

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#22

cis-1,2-Dichloroethene

Concen: 19.099 ug/l

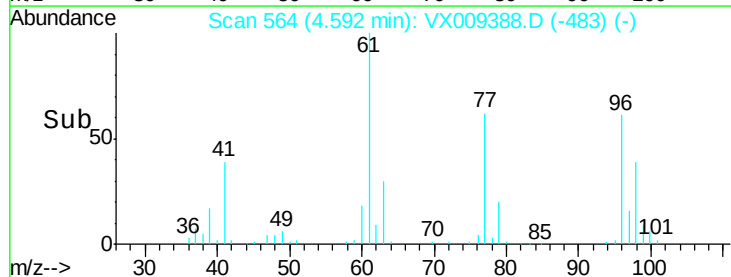
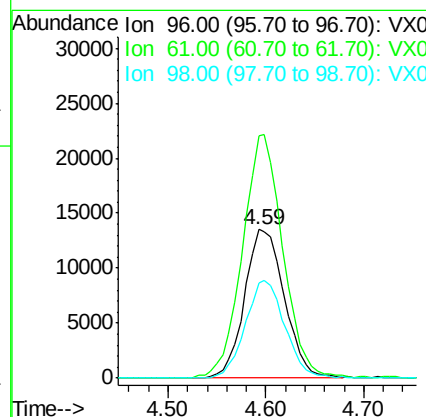
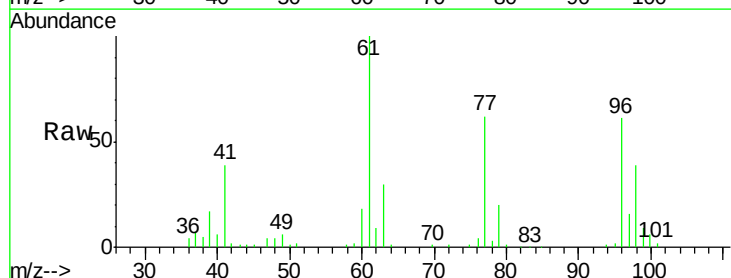
RT: 4.59 min Scan# 564

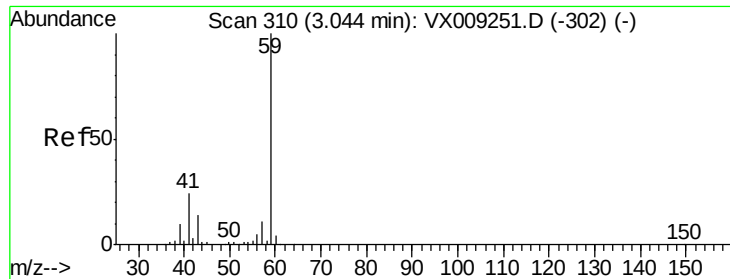
Delta R.T. -0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	96	Resp:	38217
Ion	Ratio	Lower	Upper
96	100		
61	166.0	127.7	191.5
98	65.3	50.5	75.7





#23

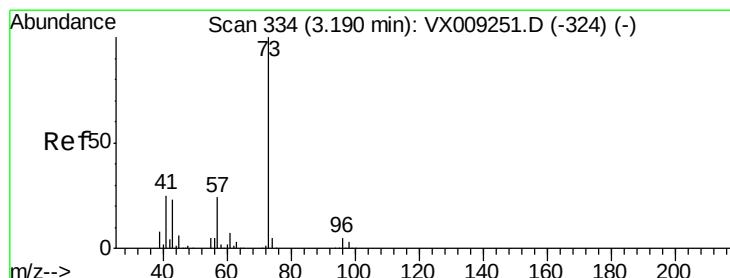
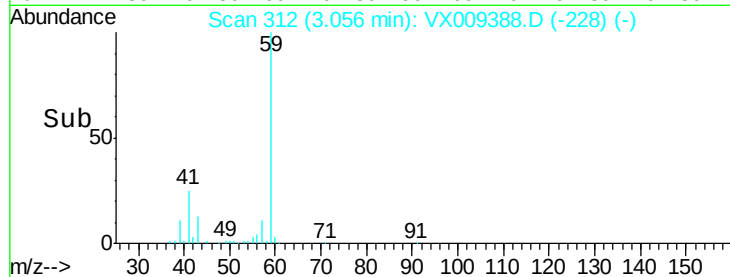
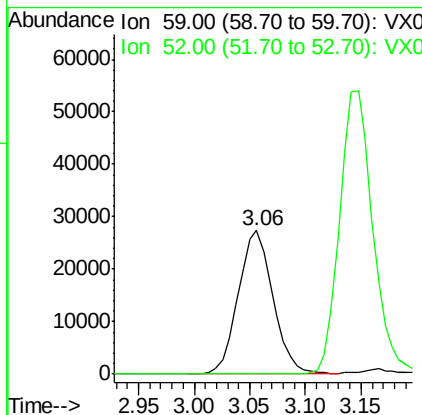
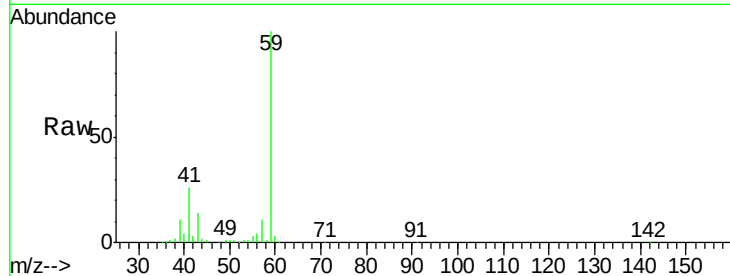
tert-Butyl Alcohol
Concen: 110.376 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	59	52	Ratio	Lower	Upper
59440	100	0.2		0.2	0.2

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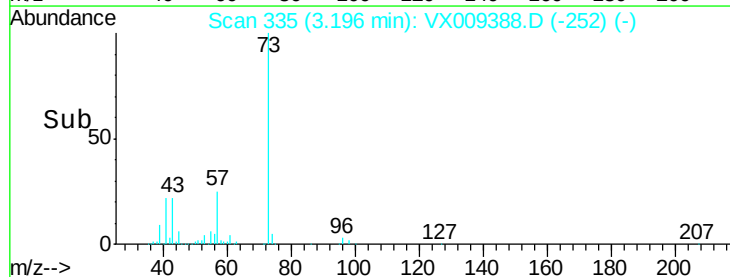
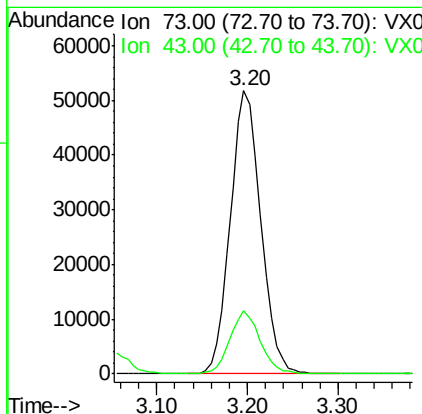
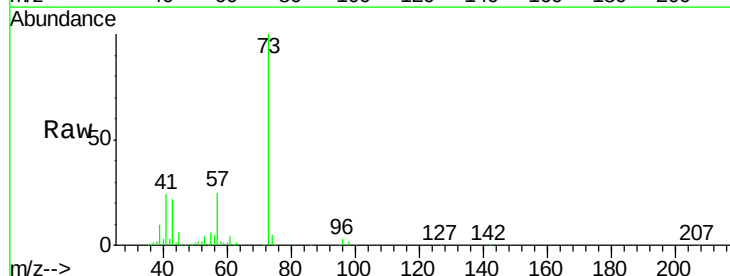
MMDadoda
5/8/2019 10:40:52 AM

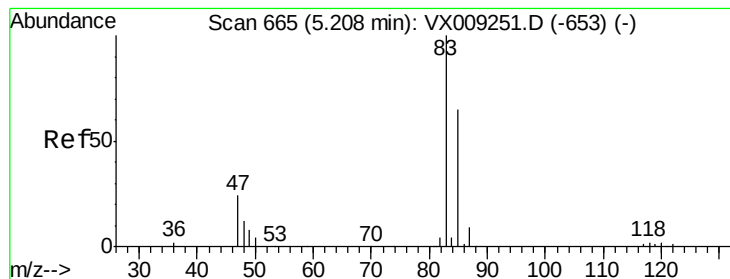


#24

Methyl tert-Butyl Ether
Concen: 19.843 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	73	43	Ratio	Lower	Upper
120989	100	21.6		17.6	26.4





#25

Chloroform

Concen: 19.745 ug/l

RT: 5.21 min Scan# 665

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 64231

Ion Ratio Lower Upper

83 100

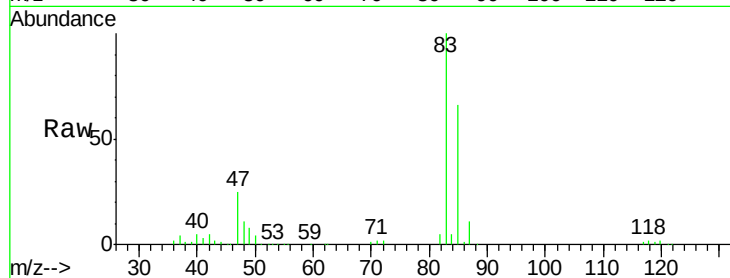
85 66.3 51.9 77.9

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

25000

20000

15000

10000

5000

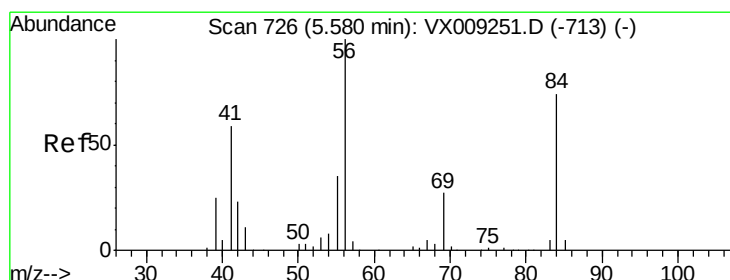
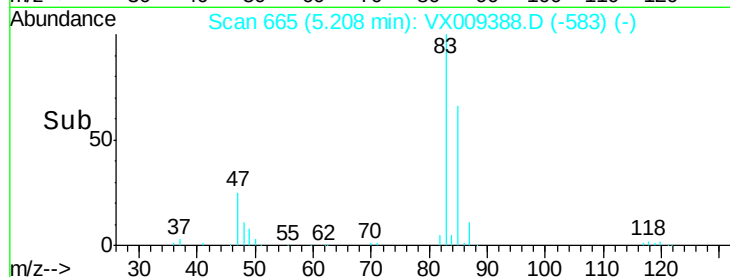
0

Time-->

5.10

5.20

5.30



#26

Cyclohexane

Concen: 18.341 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

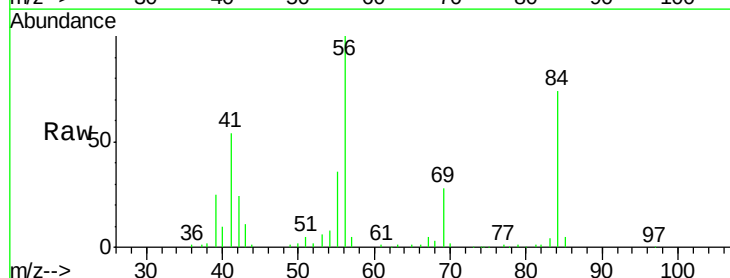
Tgt Ion: 56 Resp: 60933

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 76.4 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

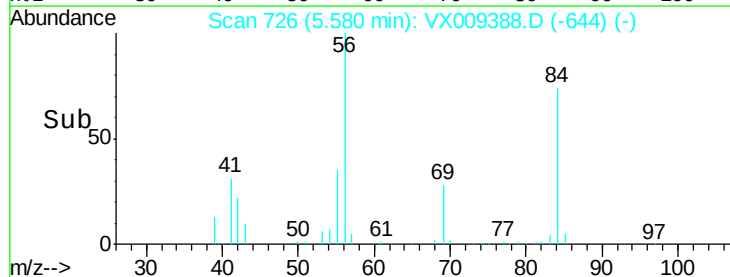
0

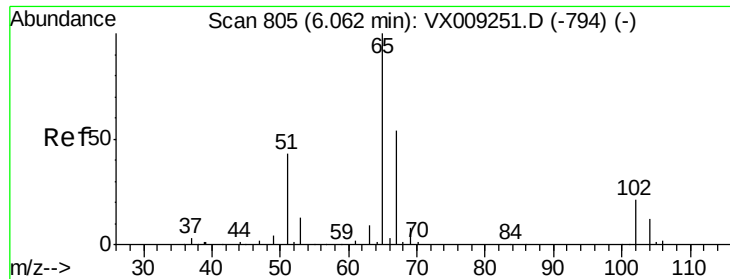
Time-->

5.50

5.60

5.70





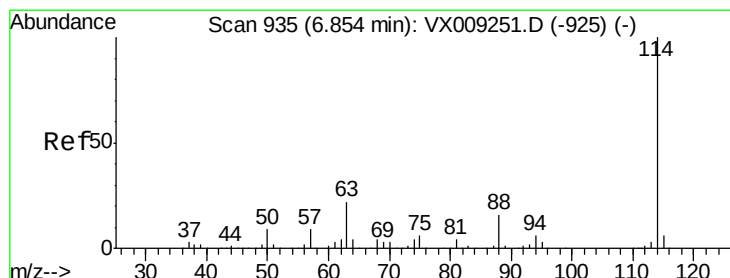
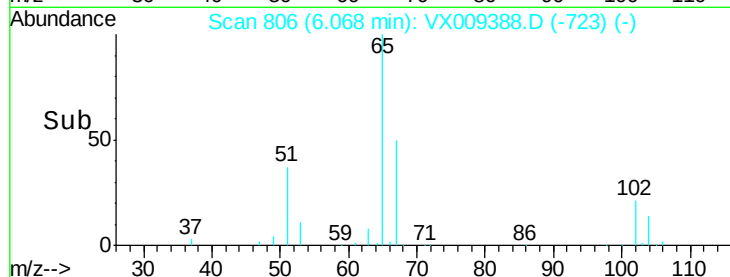
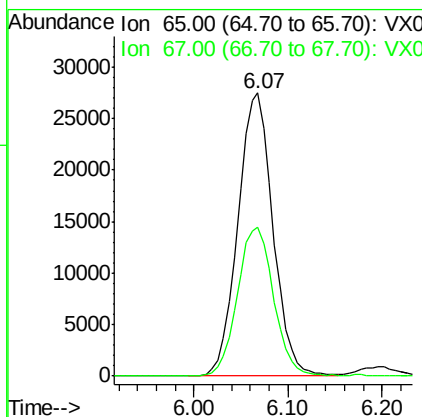
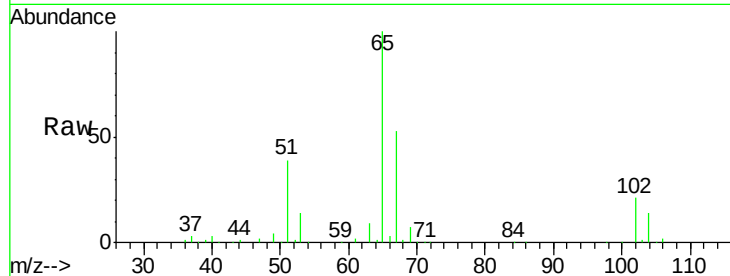
#27
 1,2-Dichloroethane-d4
 Concen: 30.264 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 71512
 Ion Ratio Lower Upper
 65 100
 67 54.3 43.1 64.7

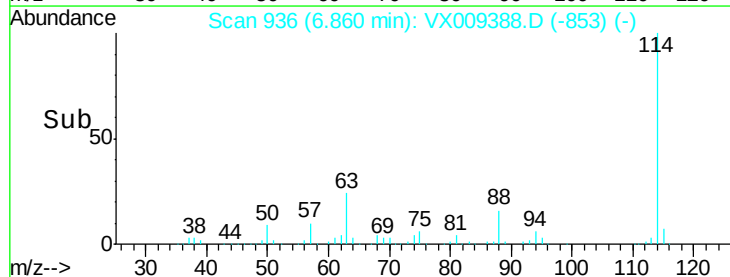
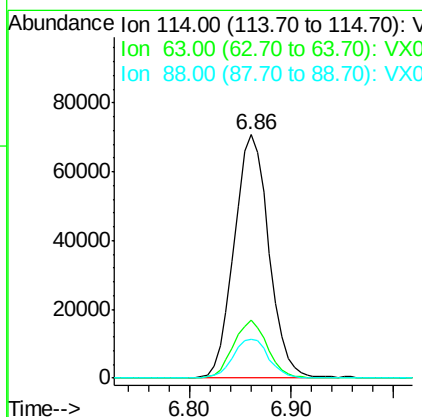
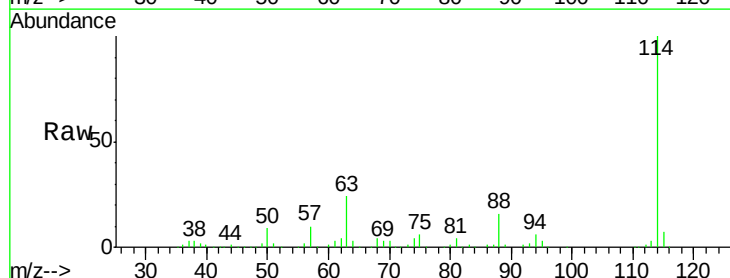
Manual Integrations
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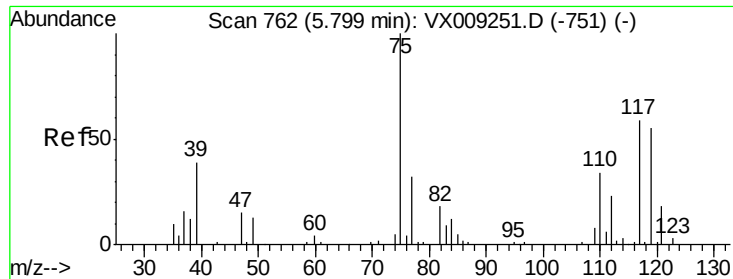
MMDadoda
 5/8/2019 10:40:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion: 114 Resp: 167184
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.0 27.0
 88 16.6 13.4 20.0





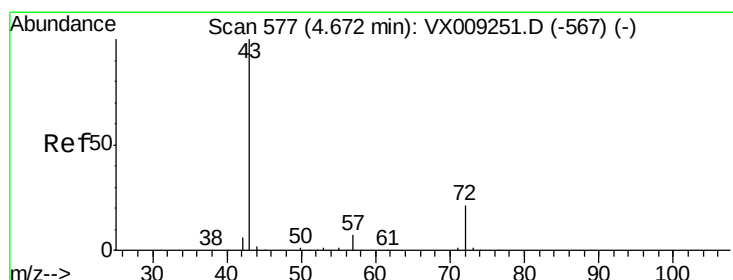
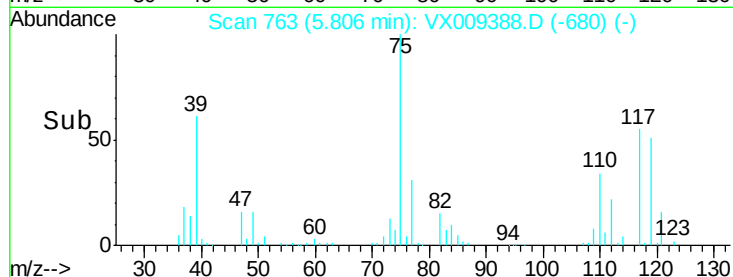
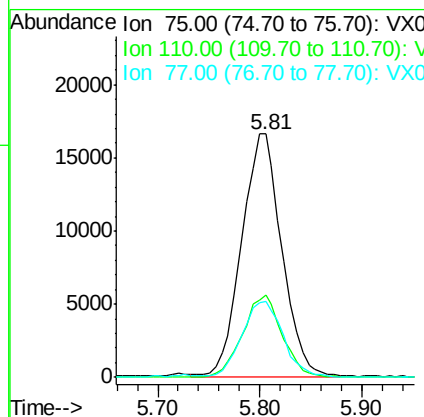
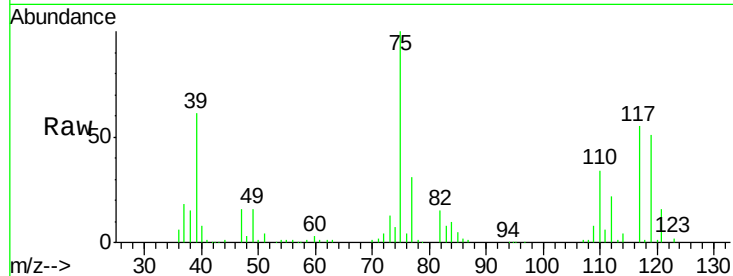
#29
 1,1-Dichloropropene
 Concen: 18.492 ug/l
 RT: 5.81 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.7	0.0	66.4
77	32.4	0.0	62.2

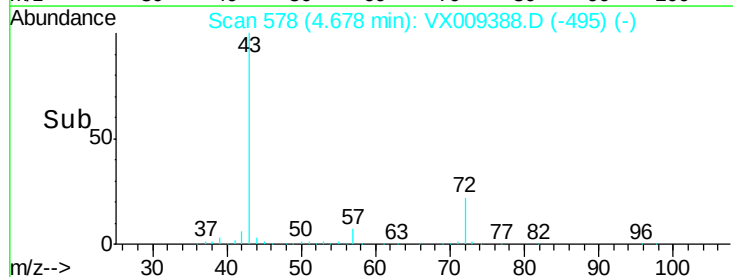
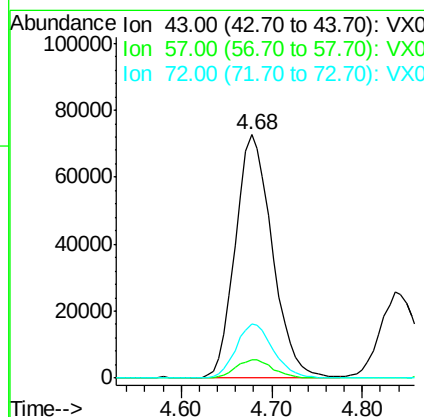
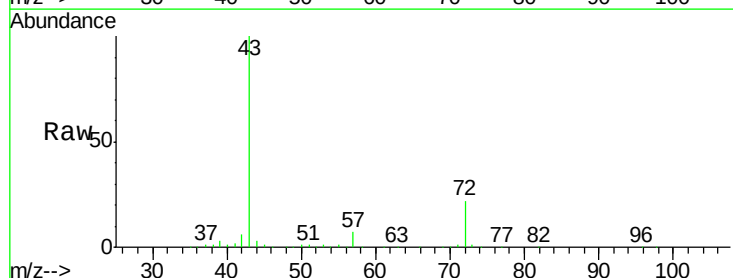
Manual Integrations
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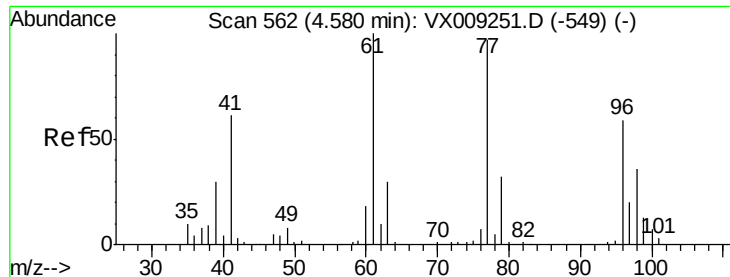
MMDadoda
 5/8/2019 10:40:52 AM



#30
 2-Butanone
 Concen: 106.411 ug/l
 RT: 4.68 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt 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: 16.441 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 44463

Ion Ratio Lower Upper

77 100

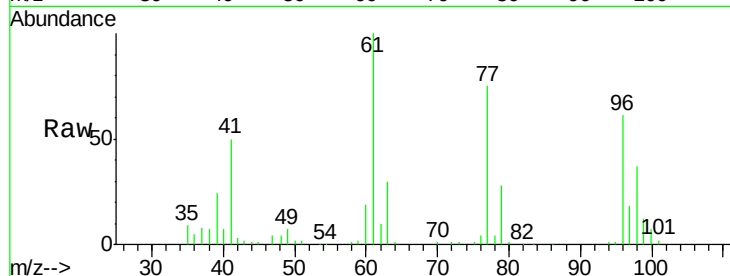
97 24.0 18.3 27.5

Manual Integrations

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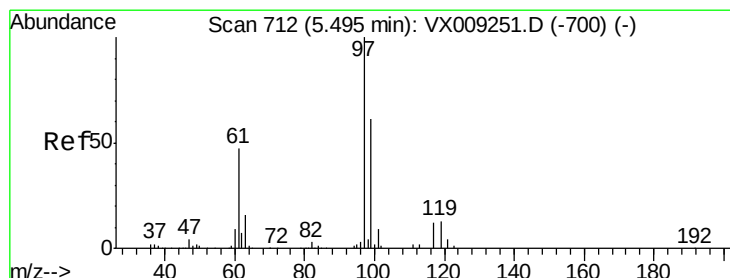
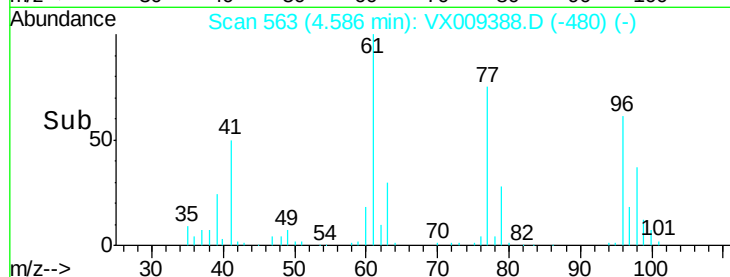
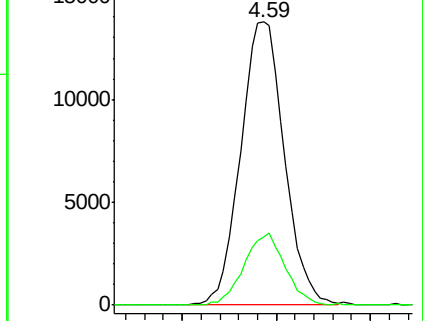
MMDadoda

5/8/2019 10:40:52 AM



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: 19.704 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

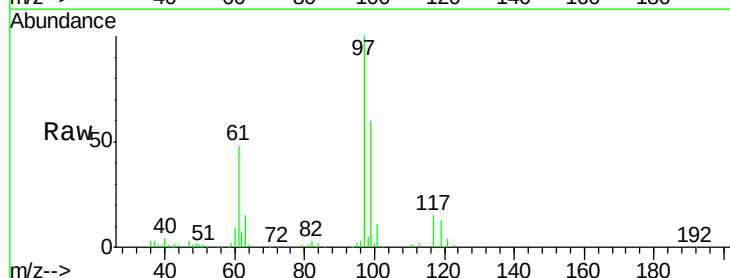
Tgt Ion: 97 Resp: 52400

Ion Ratio Lower Upper

97 100

99 63.0 53.9 80.9

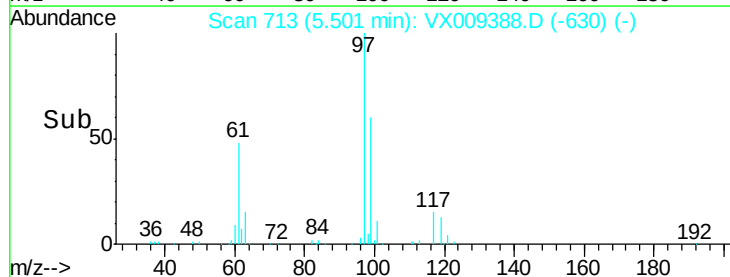
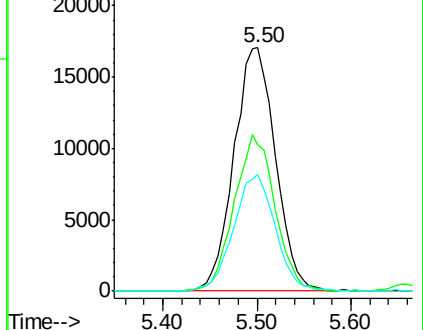
61 48.0 38.6 58.0

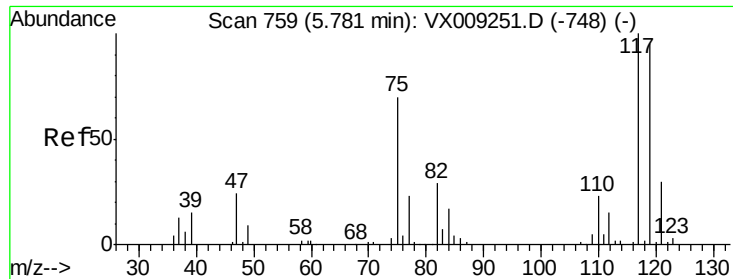


Abundance Ion 97.00 (96.70 to 97.70): VX0

Ion 99.00 (98.70 to 99.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





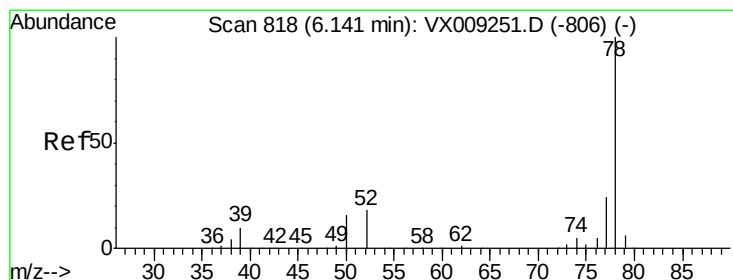
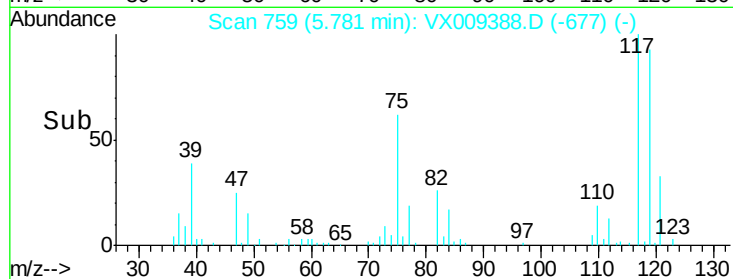
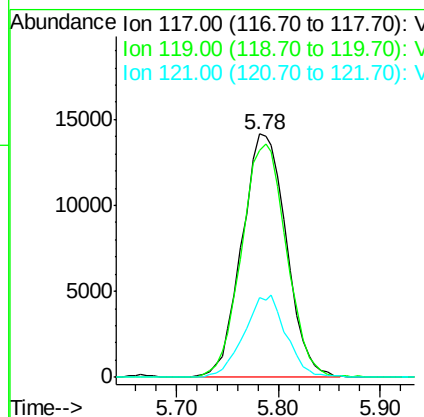
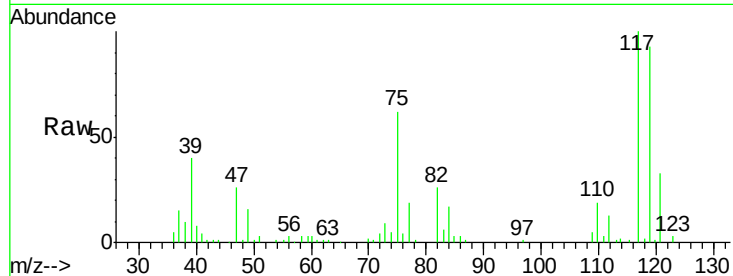
#33
Carbon Tetrachloride
Concen: 19.263 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 42862
Ion Ratio Lower Upper
117 100
119 93.1 76.1 114.1
121 32.5 24.4 36.6

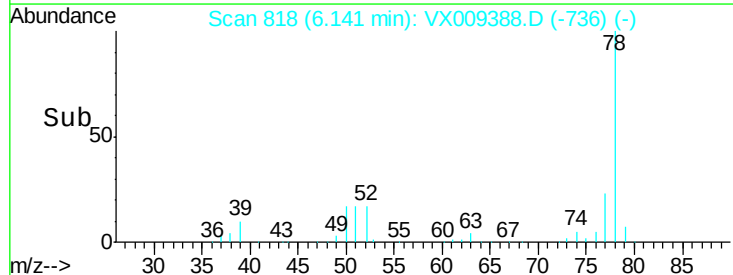
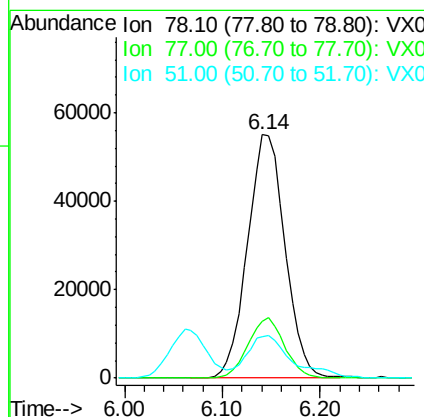
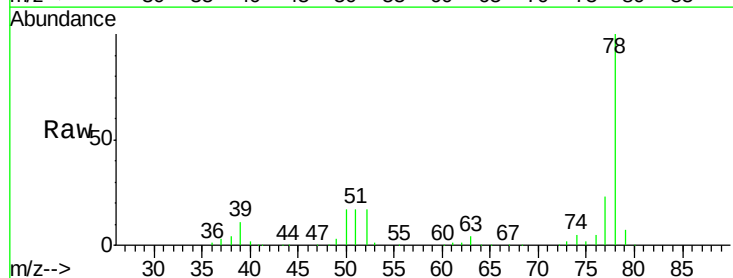
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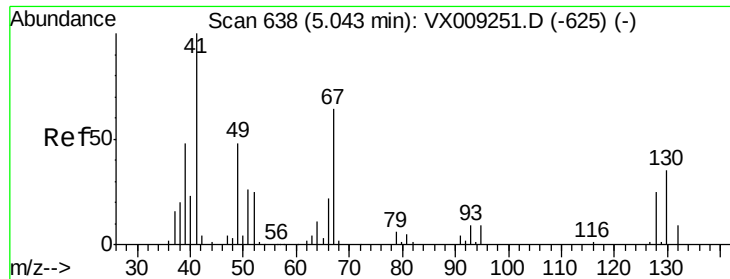
MMDadoda
5/8/2019 10:40:52 AM



#34
Benzene
Concen: 19.409 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion: 78 Resp: 146793
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2
51 15.6 13.5 20.3





#35

Methacrylonitrile

Concen: 20.858 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 41 Resp: 41925

Ion Ratio Lower Upper

41 100

39 49.3 24.1 72.3

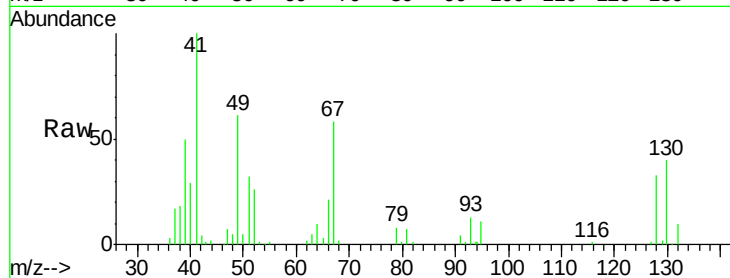
67 58.0 32.2 96.6

52 25.2 12.4 37.4

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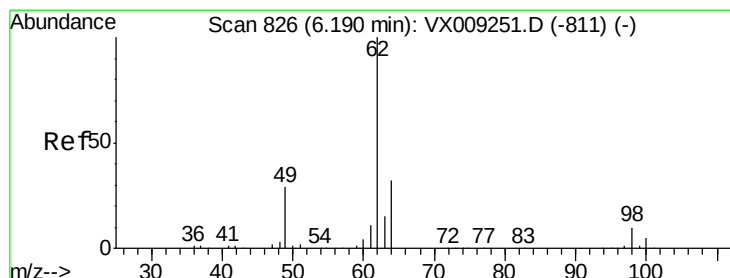
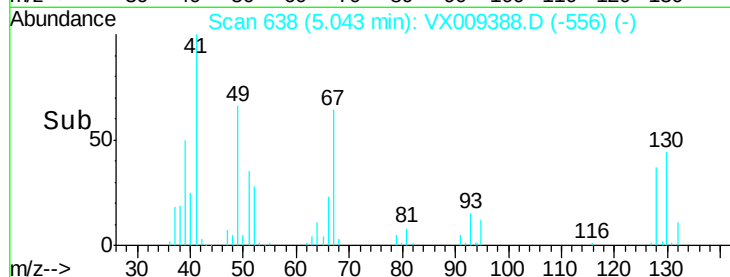
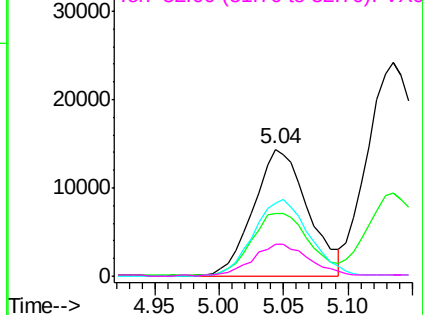


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#36

1,2-Dichloroethane

Concen: 20.050 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX009388.D

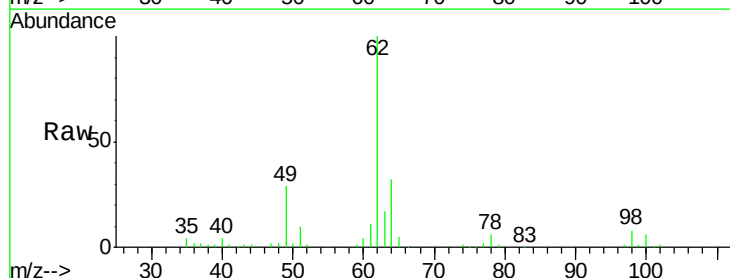
Acq: 07 May 2019 19:39

Tgt Ion: 62 Resp: 55022

Ion Ratio Lower Upper

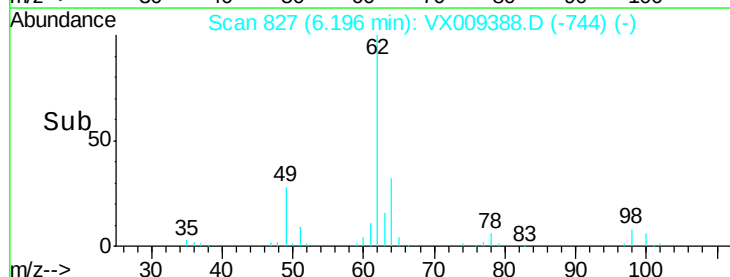
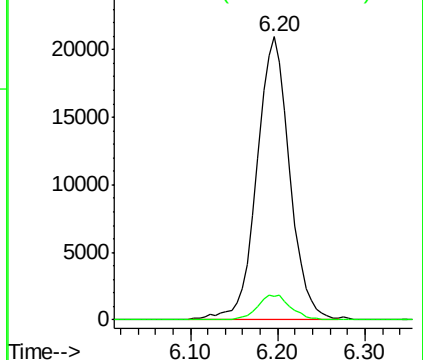
62 100

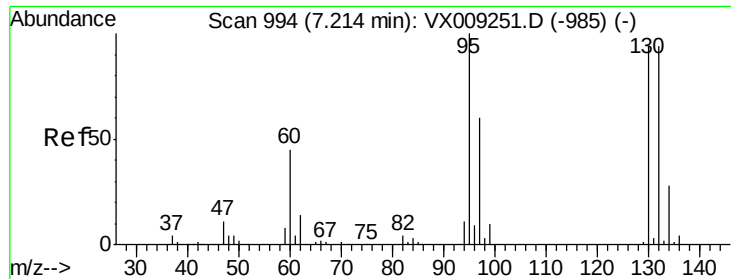
98 8.8 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#37

Trichloroethene

Concen: 19.029 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 34644

Ion Ratio Lower Upper

130 100

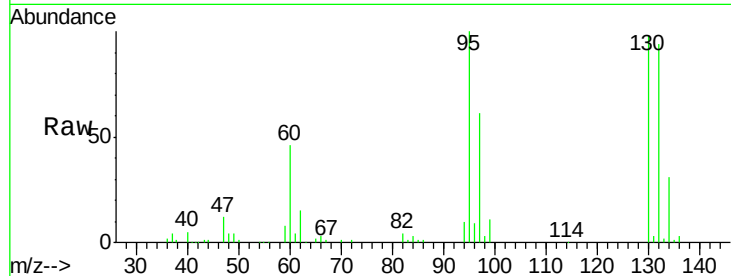
95 102.0 85.0 127.4

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

20000

15000

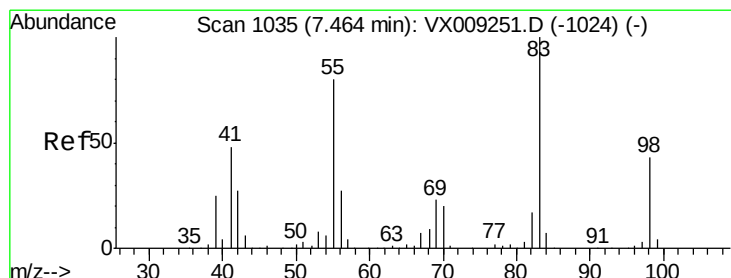
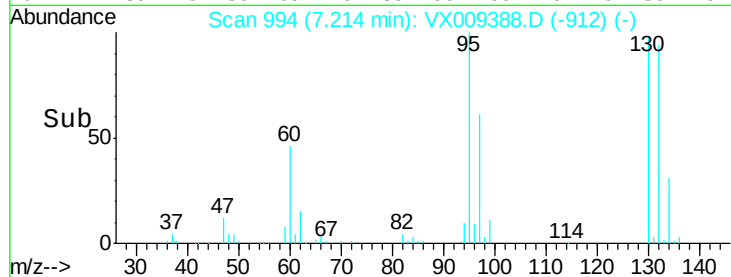
10000

5000

0

7.15 7.20 7.25 7.30

Time-->



#38

Methylcyclohexane

Concen: 17.781 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

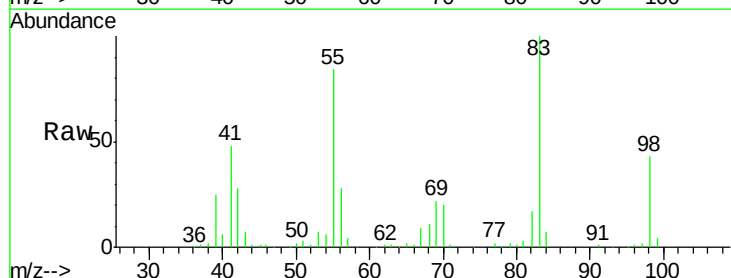
Tgt Ion: 83 Resp: 53892

Ion Ratio Lower Upper

83 100

55 86.8 43.0 129.2

98 45.2 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

30000

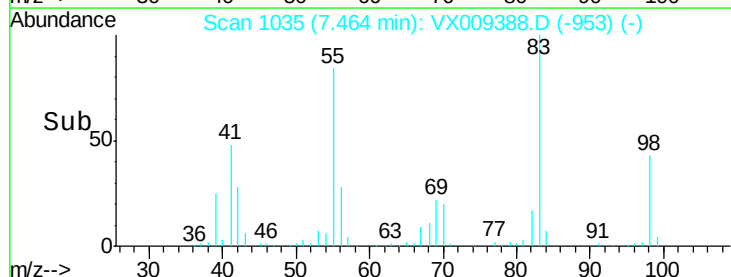
20000

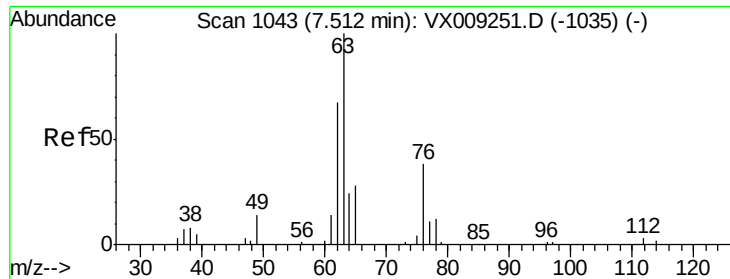
10000

0

7.35 7.40 7.45 7.50 7.55

Time-->





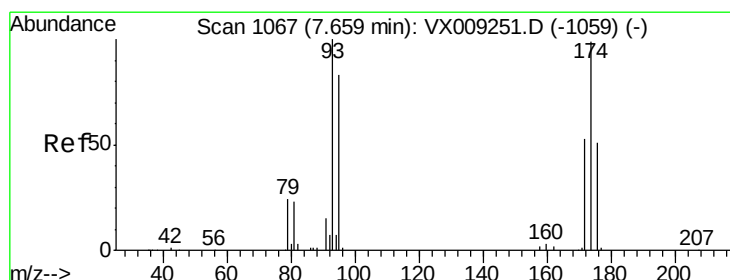
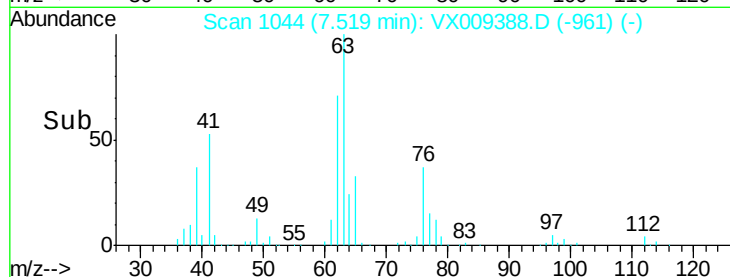
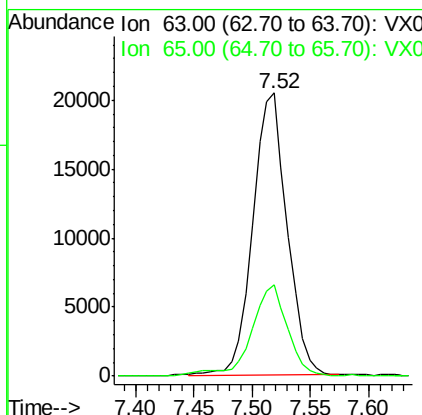
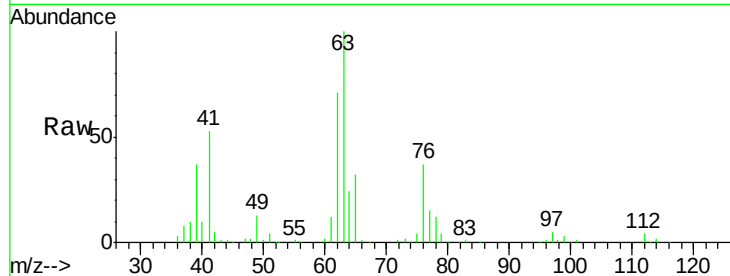
#39
 1,2-Dichloropropane
 Concen: 19.412 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.0	36.0

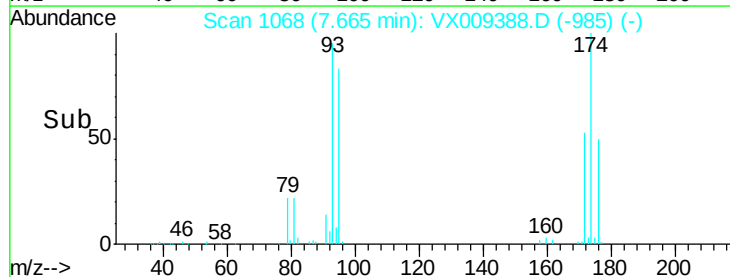
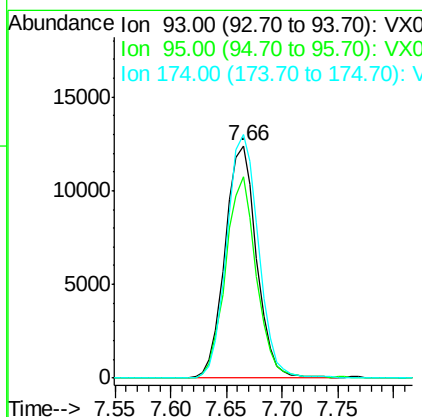
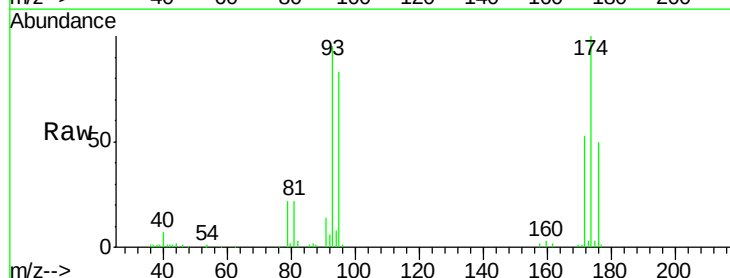
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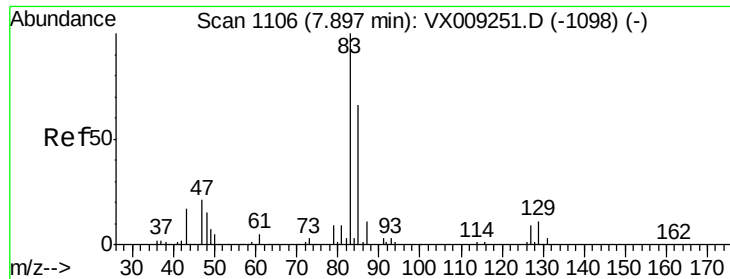
MMDadoda
 5/8/2019 10:40:52 AM



#40
 Dibromomethane
 Concen: 19.913 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	0.0	167.2
174	105.5	0.0	203.4





#41

Bromodichloromethane

Concen: 19.721 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

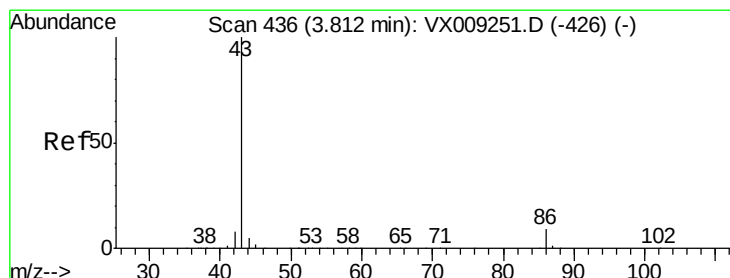
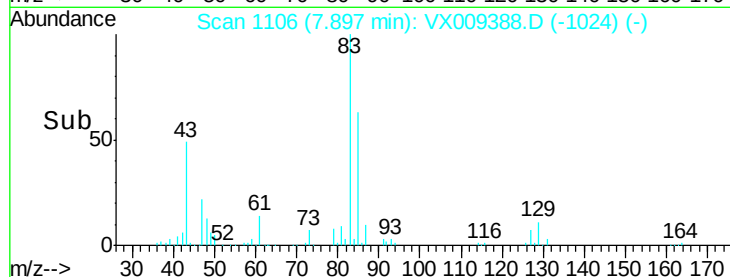
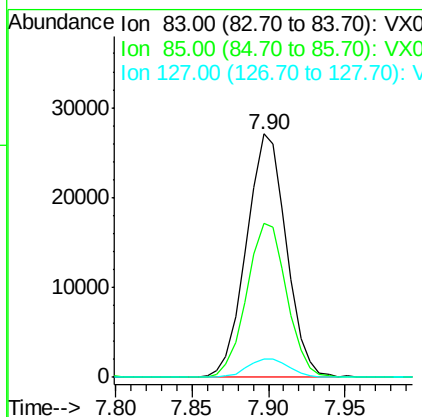
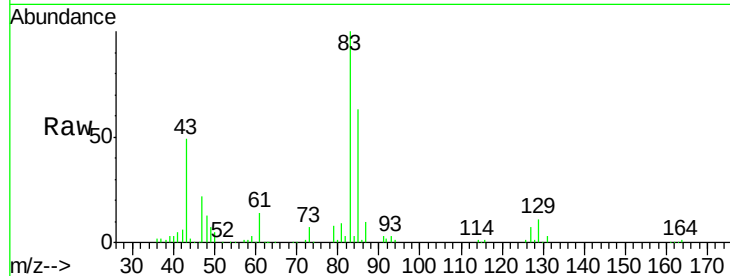
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	49240
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.6	79.0
127	7.3	6.9	10.3

Manual Integrations
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MMDadoda
5/8/2019 10:40:52 AM



#42

Vinyl Acetate

Concen: 99.943 ug/l

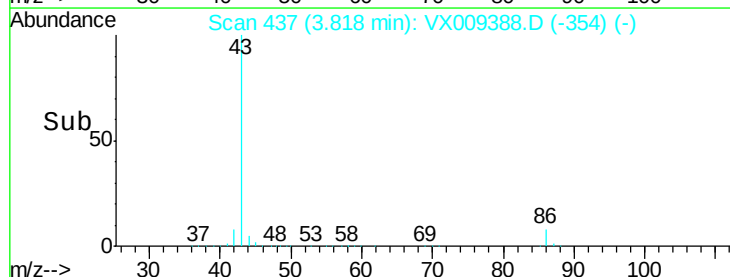
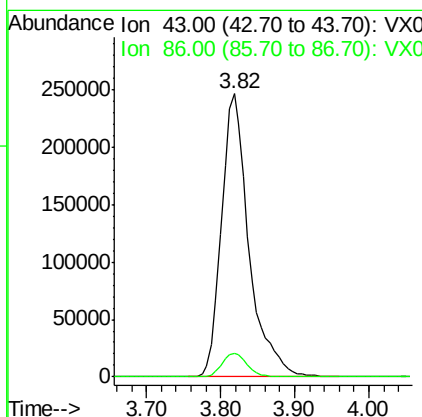
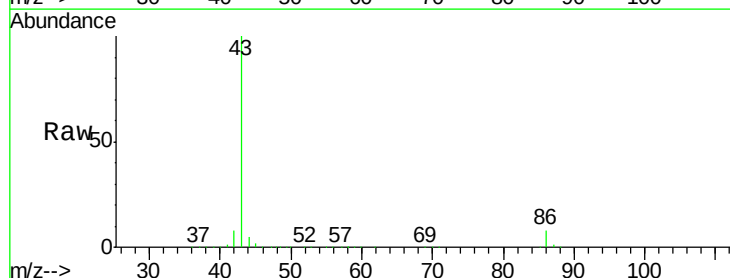
RT: 3.82 min Scan# 437

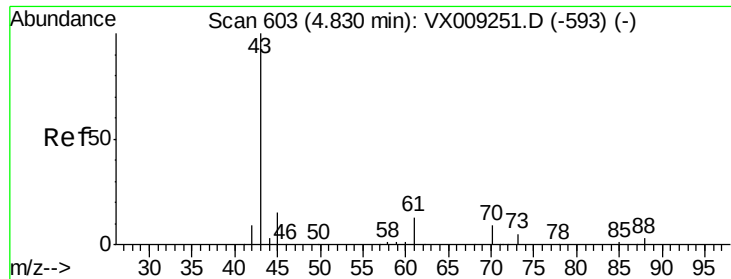
Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	43	Resp:	633715
Ion Ratio	Lower	Upper	
43	100		
86	7.7	6.0	9.0





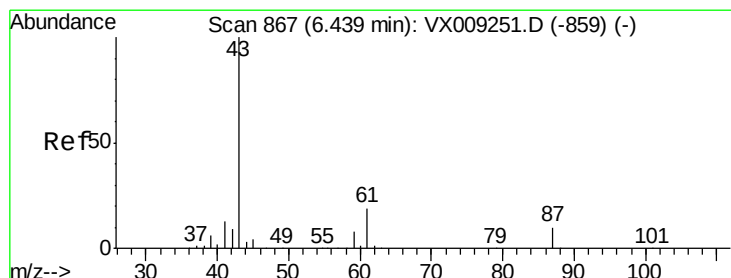
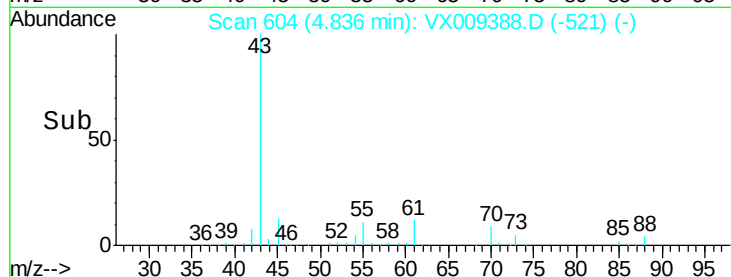
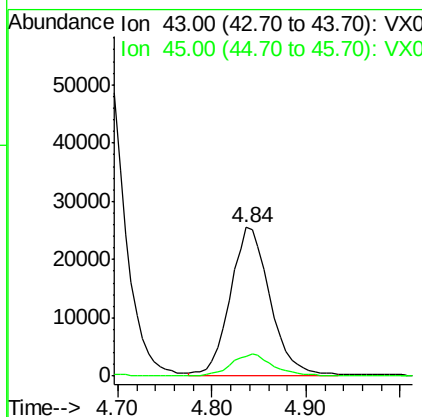
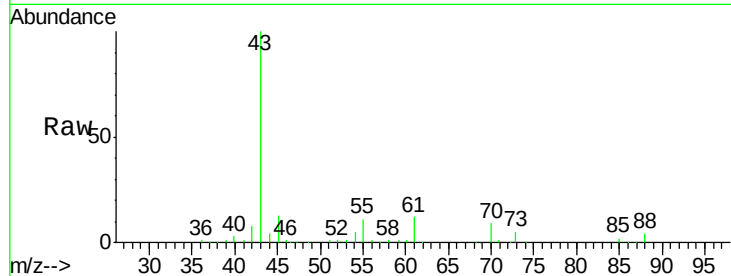
#43
Ethyl Acetate
Concen: 21.395 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 74273
Ion Ratio Lower Upper
43 100
45 14.8 11.8 17.8

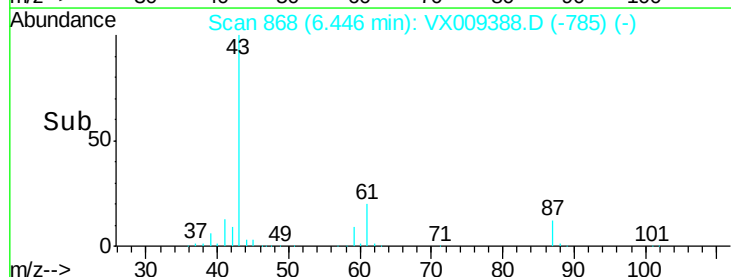
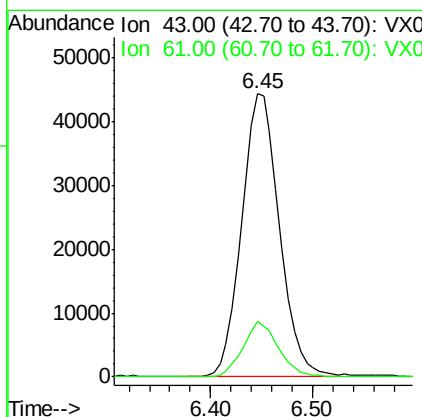
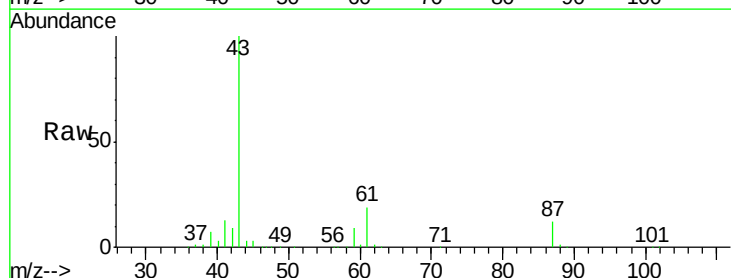
Manual Integrations
APPROVED

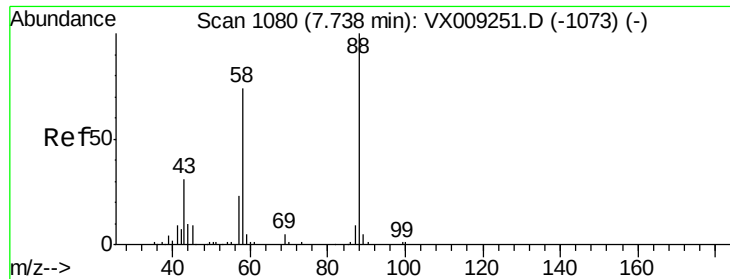
MMDadoda
5/8/2019 10:40:52 AM



#44
Isopropyl Acetate
Concen: 20.186 ug/l
RT: 6.45 min Scan# 868
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion: 43 Resp: 113522
Ion Ratio Lower Upper
43 100
61 18.5 15.4 23.2





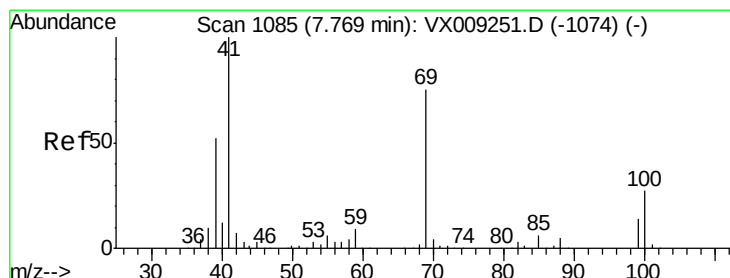
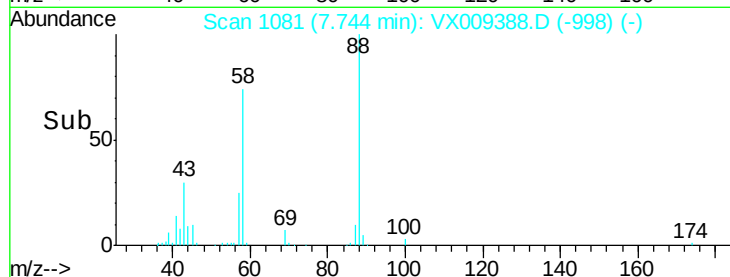
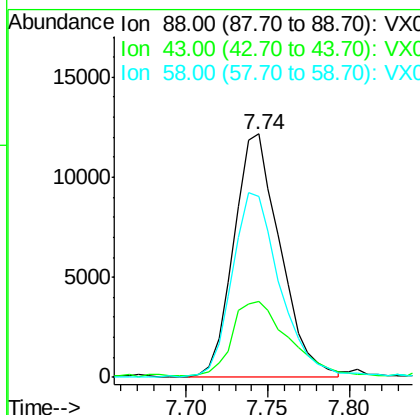
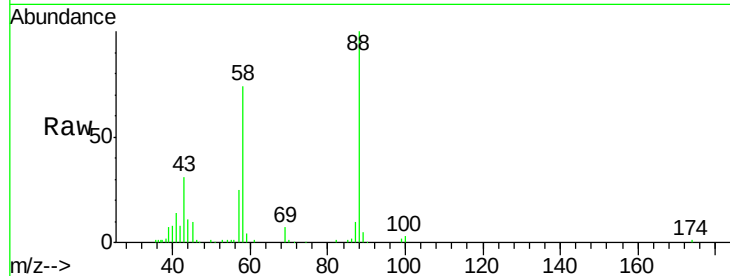
#45
 1,4-Dioxane
 Concen: 436.715 ug/l
 RT: 7.74 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.5	42.7
58	78.3	62.5	93.7

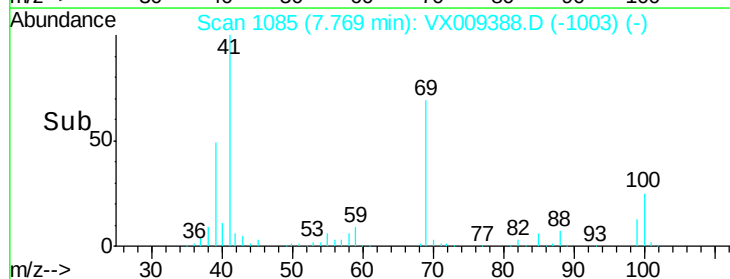
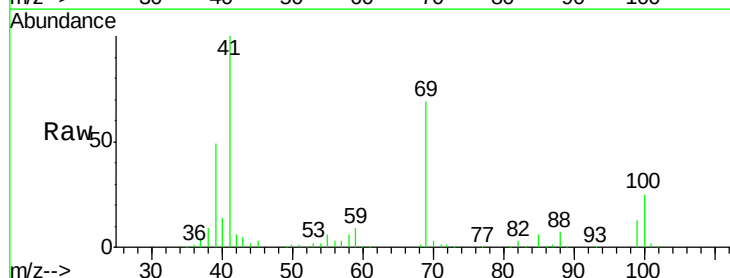
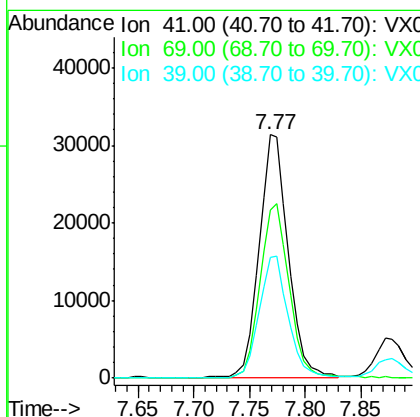
Manual Integrations
 APPROVED

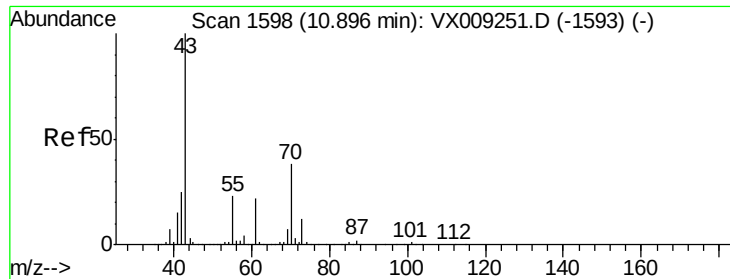
MMDadoda
 5/8/2019 10:40:52 AM



#46
 Methyl methacrylate
 Concen: 20.334 ug/l
 RT: 7.77 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.4	37.6	112.8
39	49.1	25.8	77.3





#47

n-amvl Acetate

Concen: 19.603 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 99314

Ion Ratio Lower Upper

43 100

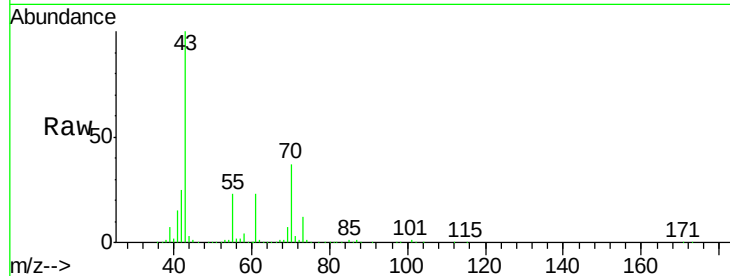
55 23.0 18.2 27.4

Manual Integrations

APPROVED

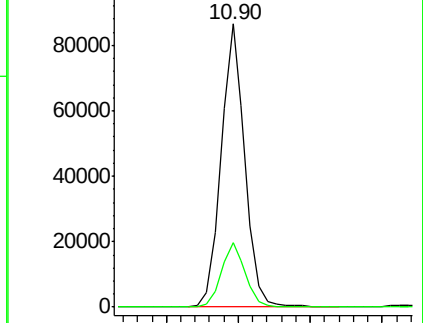
MMDadoda

5/8/2019 10:40:52 AM

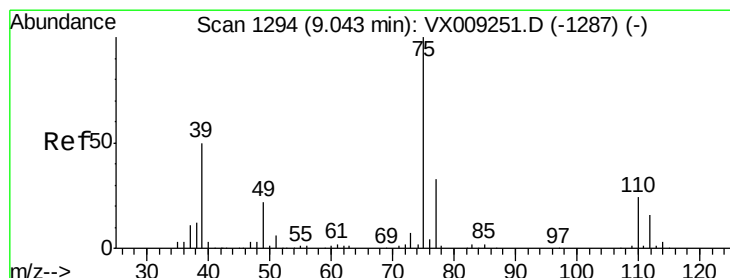
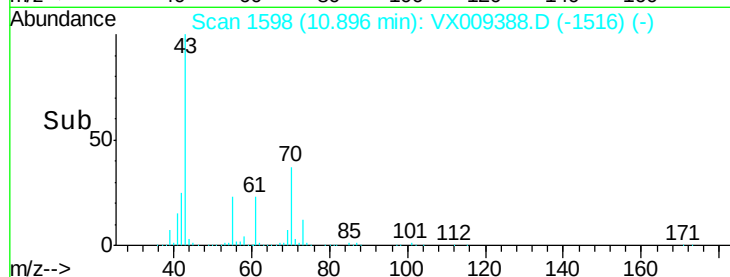


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#48

t-1,3-Dichloropropene

Concen: 19.078 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX009388.D

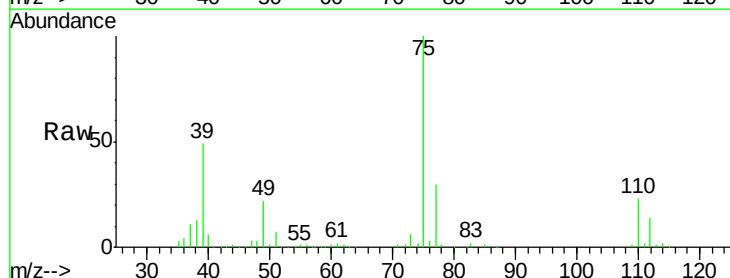
Acq: 07 May 2019 19:39

Tgt Ion: 75 Resp: 55581

Ion Ratio Lower Upper

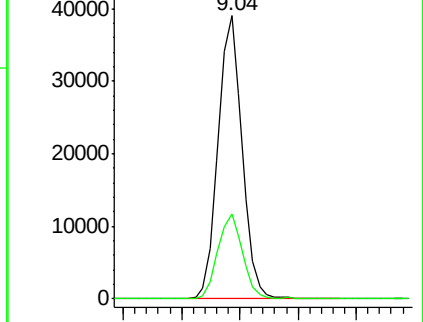
75 100

77 30.2 26.5 39.7

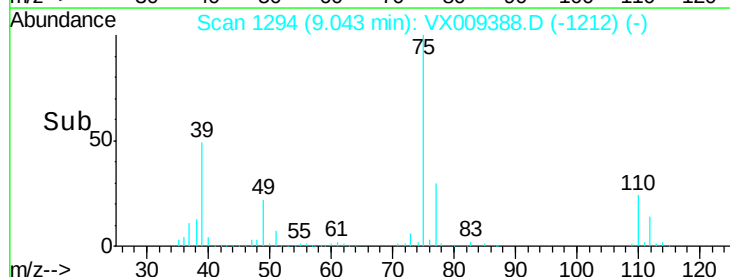


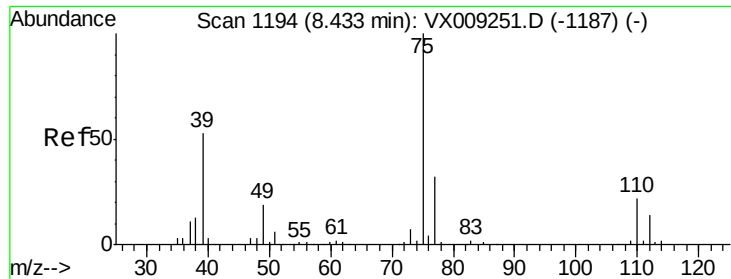
Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





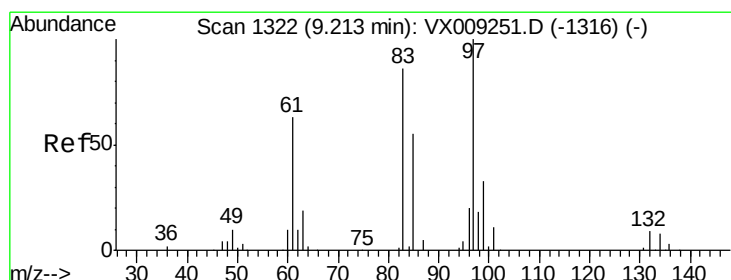
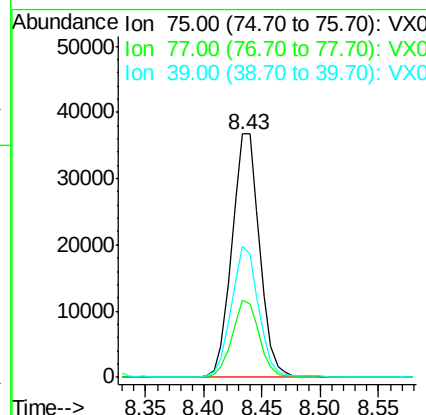
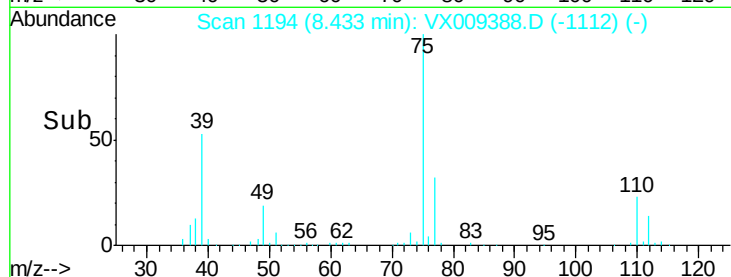
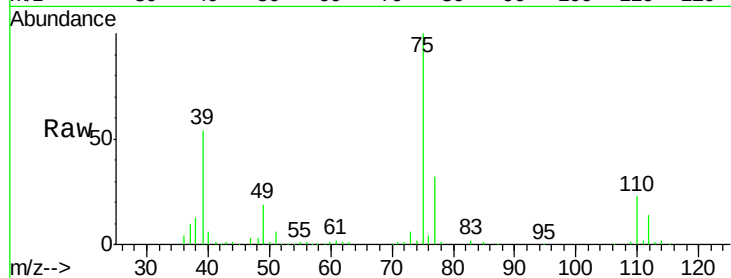
#49
 cis-1,3-Dichloropropene
 Concen: 19.028 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.0	39.0
39	53.6	42.6	63.8

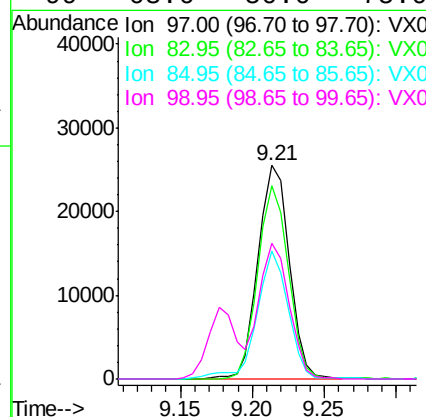
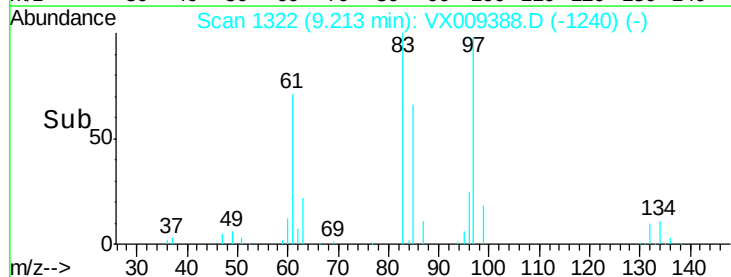
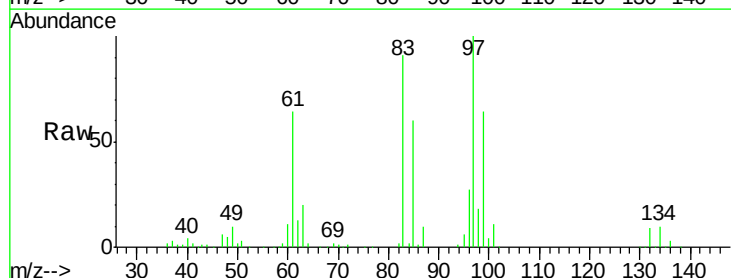
Manual Integrations
 APPROVED

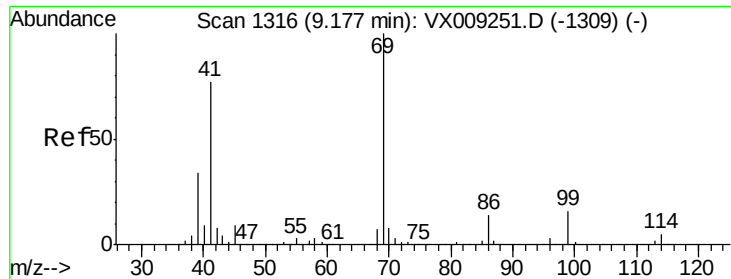
MMDadoda
 5/8/2019 10:40:52 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.536 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.8	103.2
85	59.5	45.8	68.6
99	63.6	50.0	75.0





#51

Ethyl methacrylate

Concen: 19.724 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

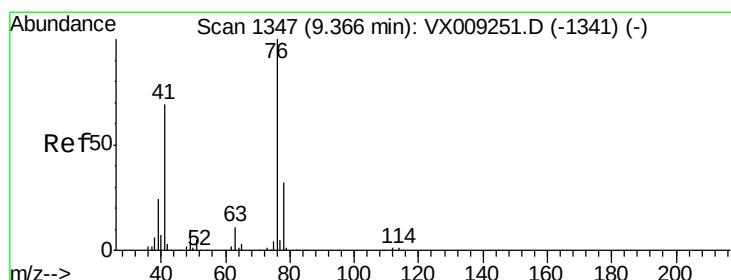
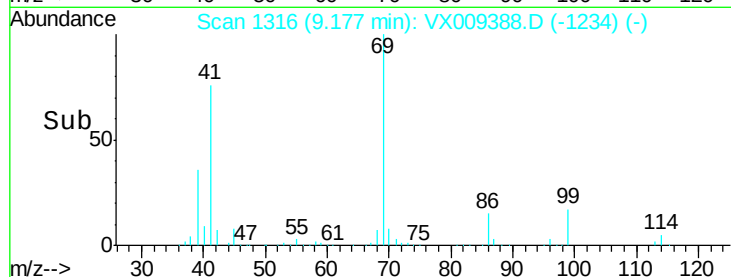
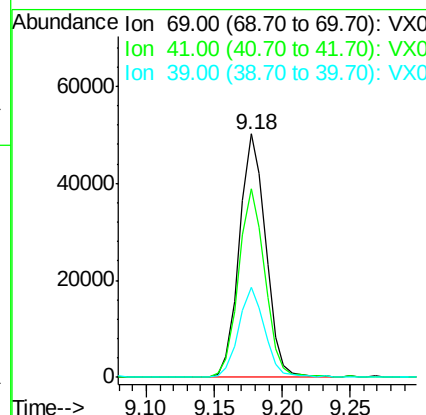
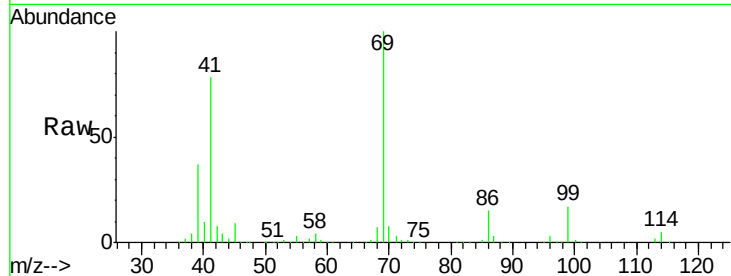
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	68261
Ion	Ratio	Lower	Upper
69	100		
41	77.4	38.4	115.2
39	36.9	17.2	51.5

Manual Integrations
APPROVED

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5/8/2019 10:40:52 AM



#52

1,3-Dichloropropane

Concen: 20.105 ug/l

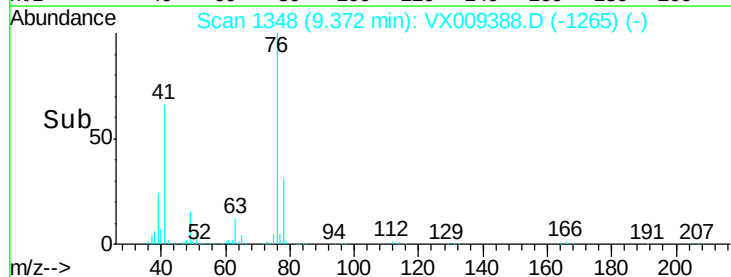
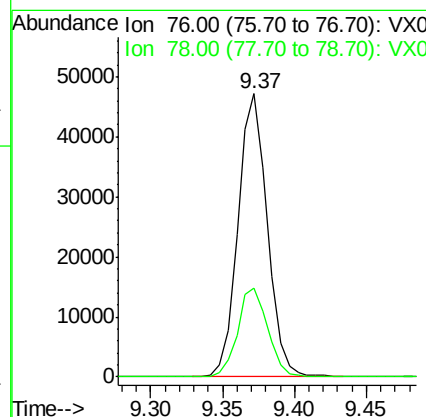
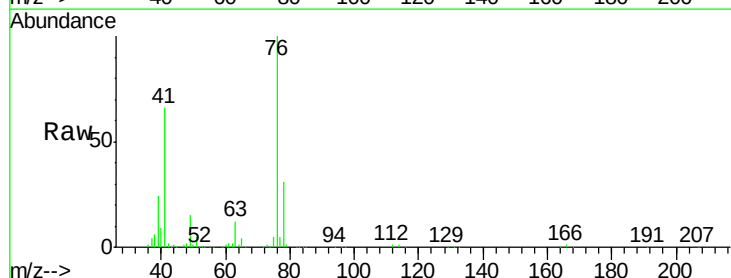
RT: 9.37 min Scan# 1348

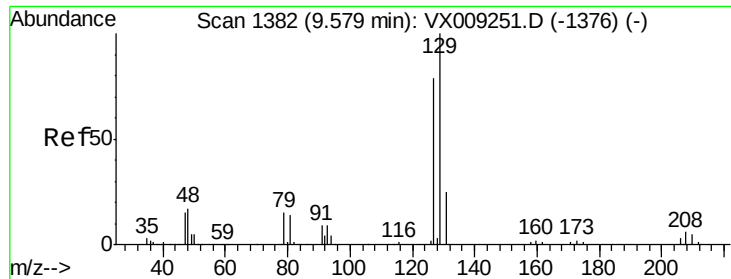
Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	76	Resp:	66823
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	64.2





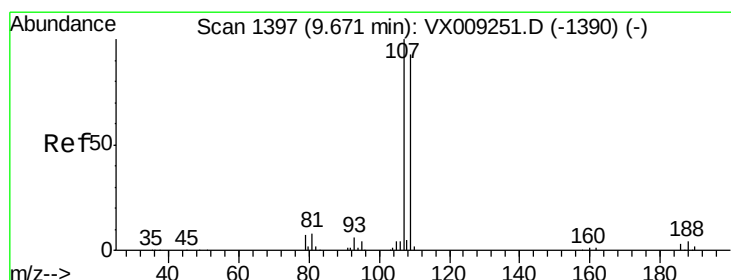
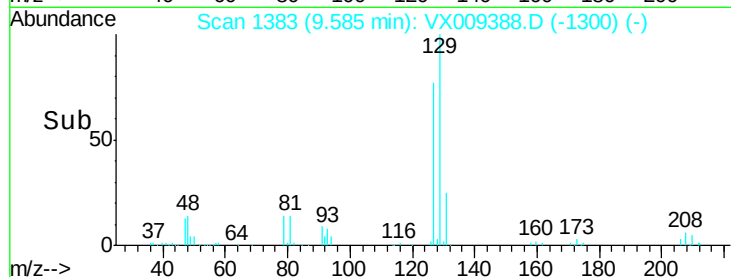
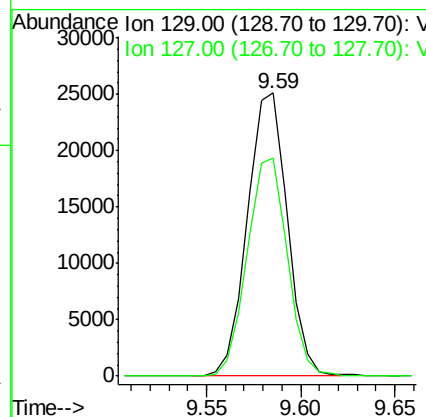
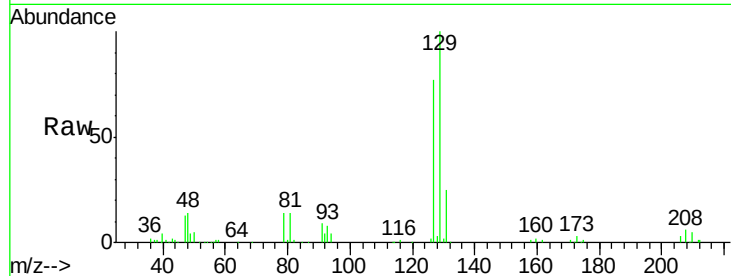
#53
 Dibromochloromethane
 Concen: 19.797 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 36924
 Ion Ratio Lower Upper
 129 100
 127 77.3 39.1 117.5

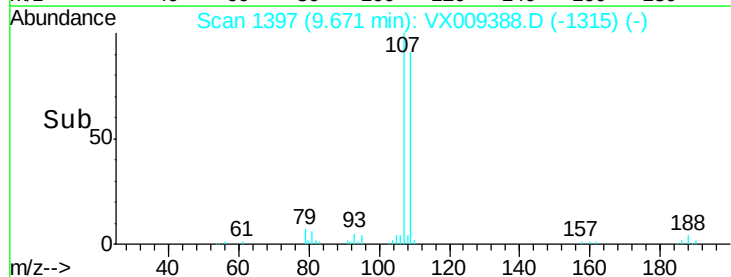
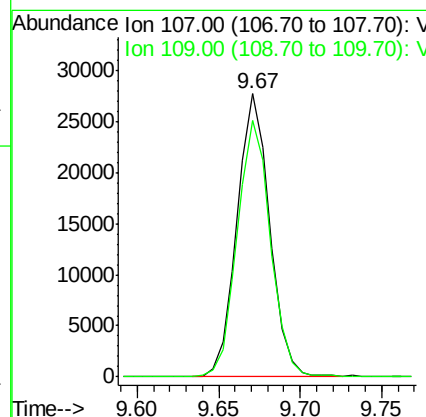
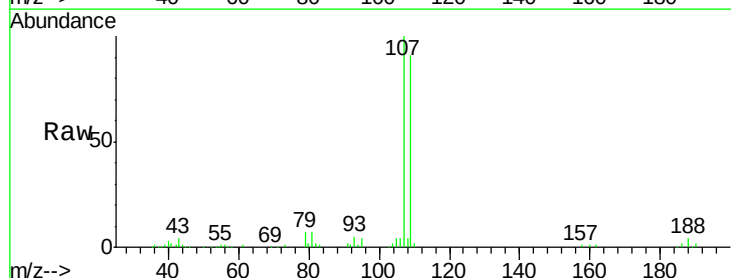
Manual Integrations
 APPROVED

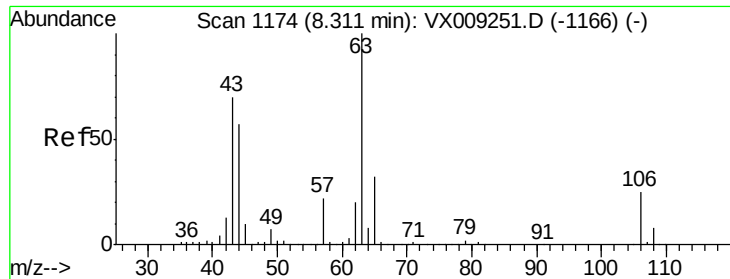
MMDadoda
 5/8/2019 10:40:52 AM



#54
 1,2-Dibromoethane
 Concen: 20.128 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion:107 Resp: 38661
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.5 113.3





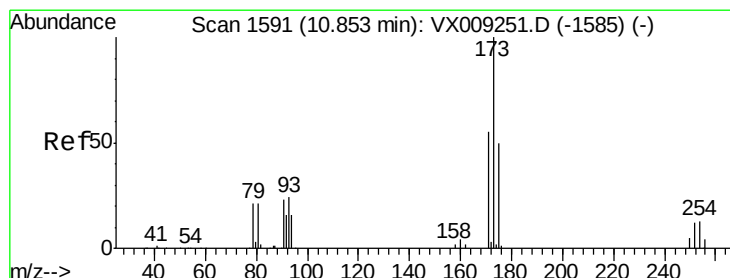
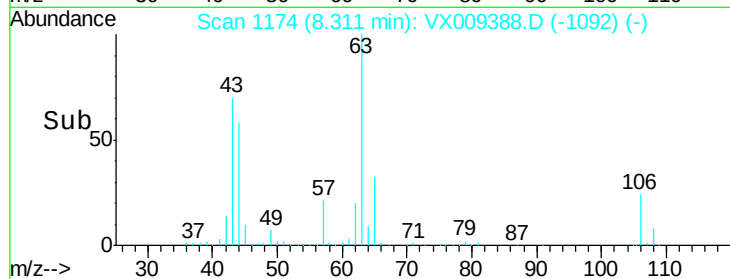
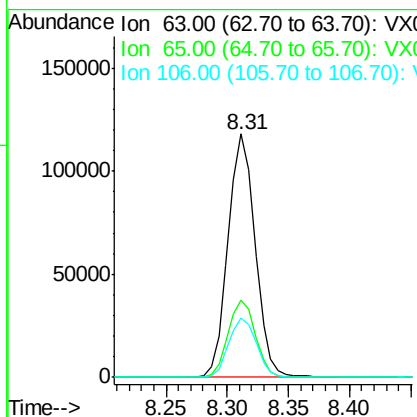
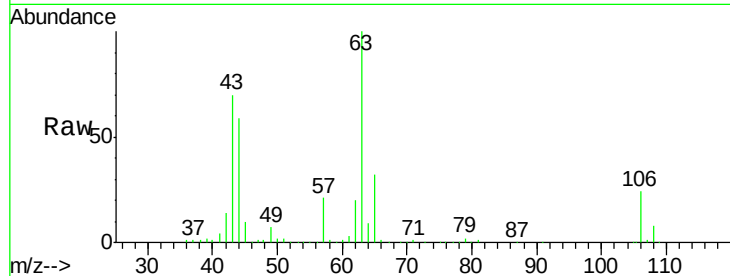
#55
2-Chloroethyl vinyl ether
Concen: 98.275 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	24.9	19.8	29.6

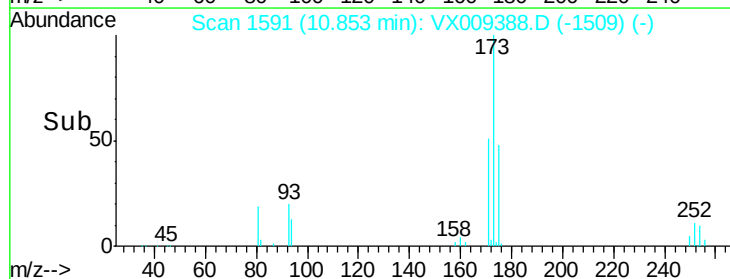
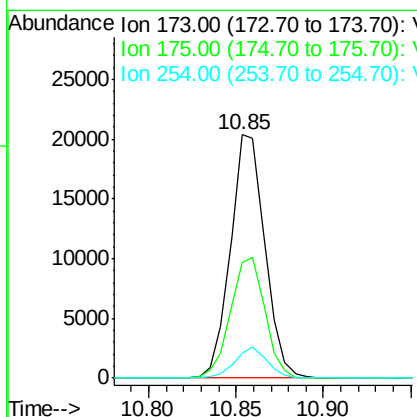
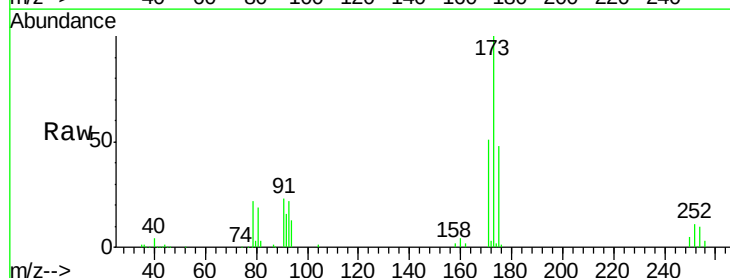
Manual Integrations
APPROVED

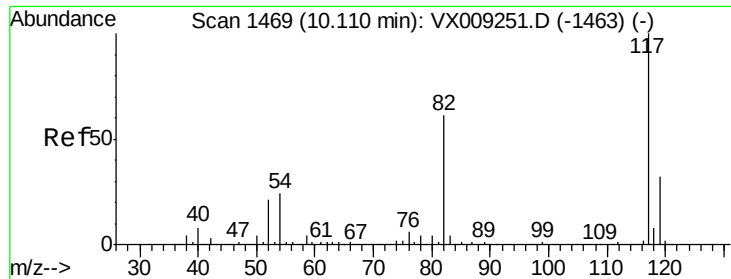
MMDadoda
5/8/2019 10:40:52 AM



#56
Bromoform
Concen: 19.474 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.4	59.2
254	12.0	9.9	14.9





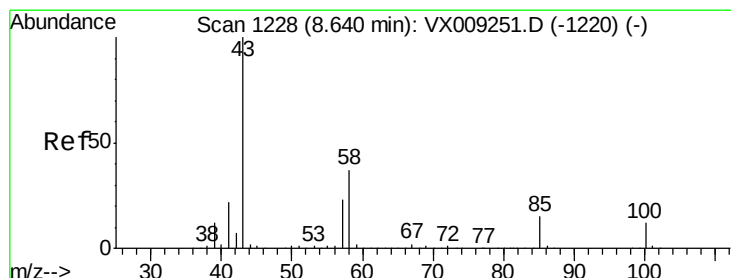
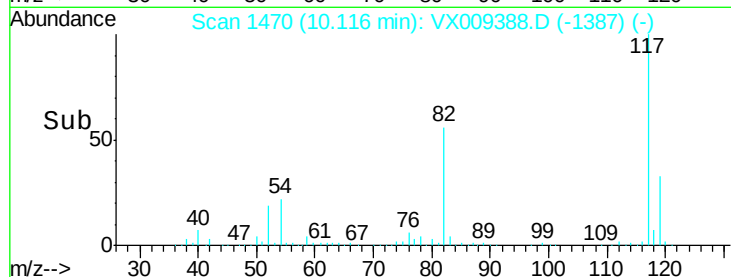
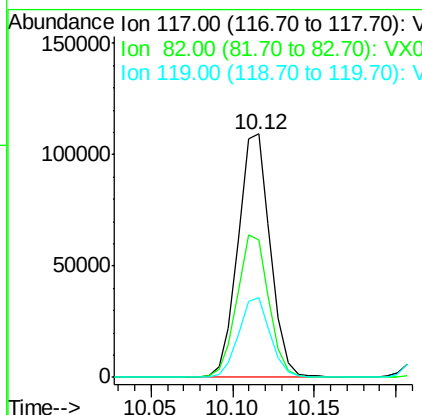
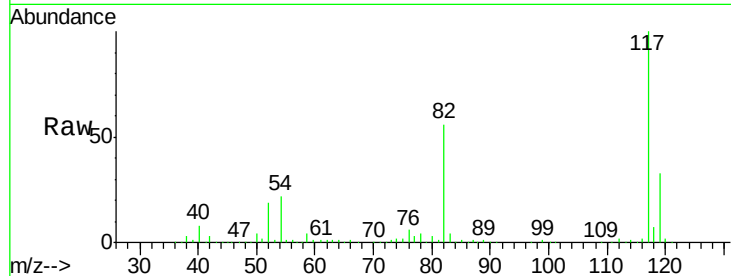
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.8	71.8
119	32.1	25.6	38.4

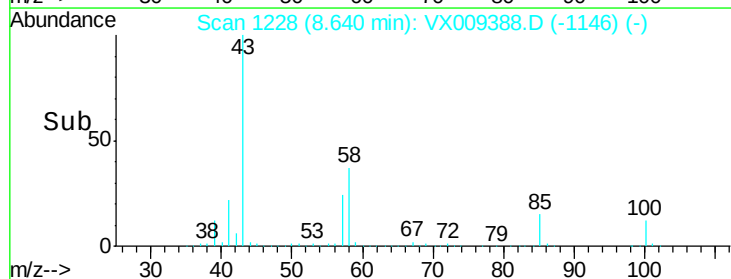
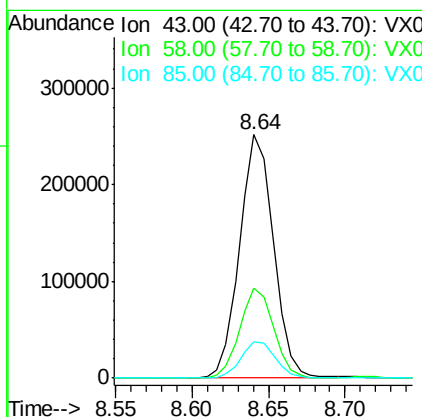
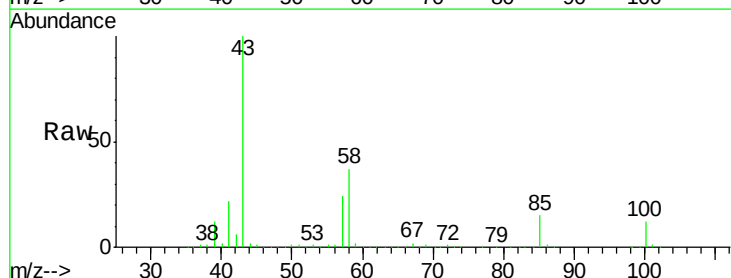
Manual Integrations
APPROVED

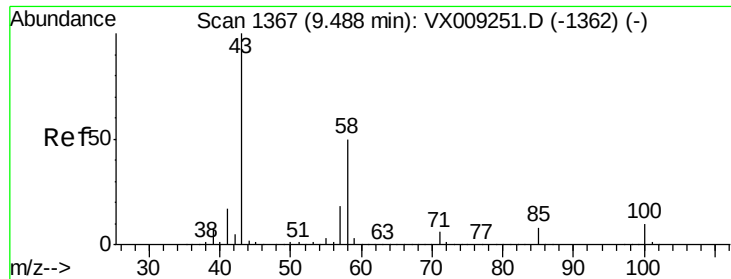
MMDadoda
5/8/2019 10:40:52 AM



#58
4-Methyl-2-Pentanone
Concen: 104.964 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.4	44.0
85	15.2	11.8	17.8





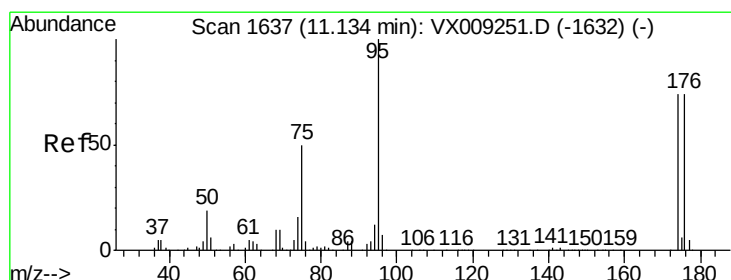
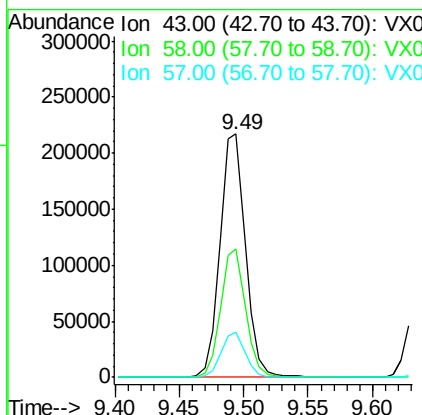
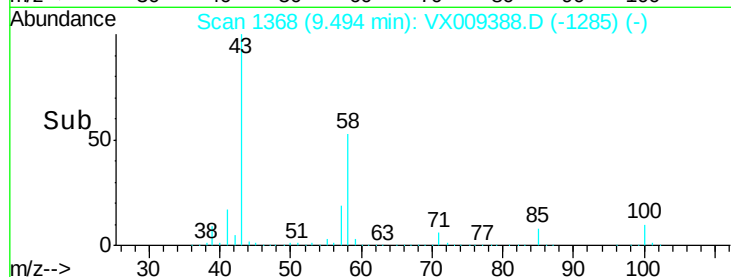
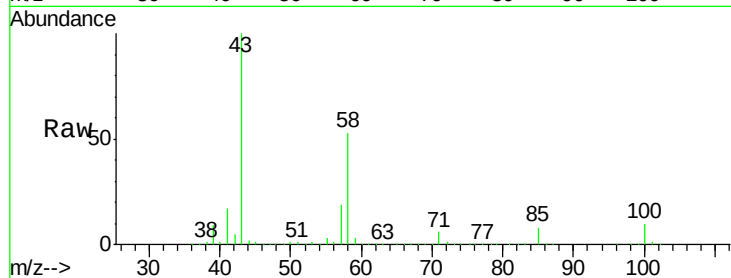
#59
2-Hexanone
Concen: 104.746 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.8	61.2
57	17.8	14.1	21.1

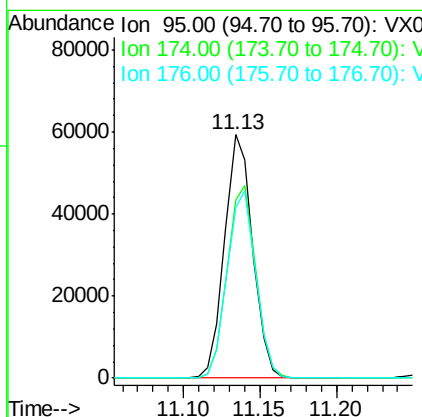
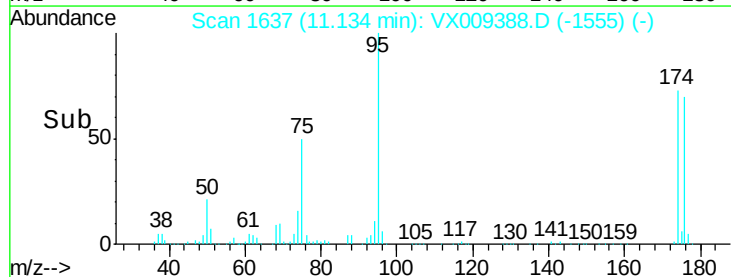
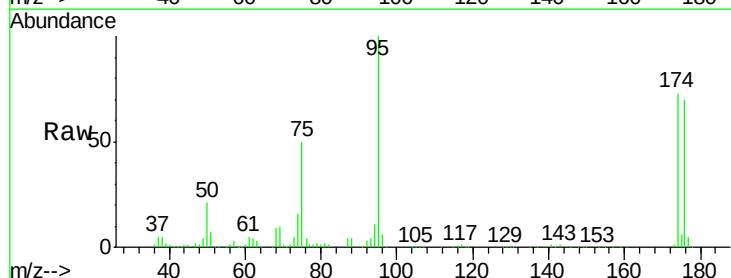
Manual Integrations
APPROVED

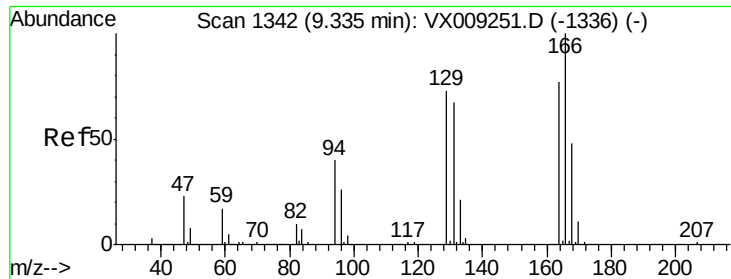
MMDadoda
5/8/2019 10:40:52 AM



#60
4-Bromofluorobenzene
Concen: 29.695 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.2	63.6	95.4
176	78.5	62.4	93.6





#61

Tetrachloroethene

Concen: 18.877 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

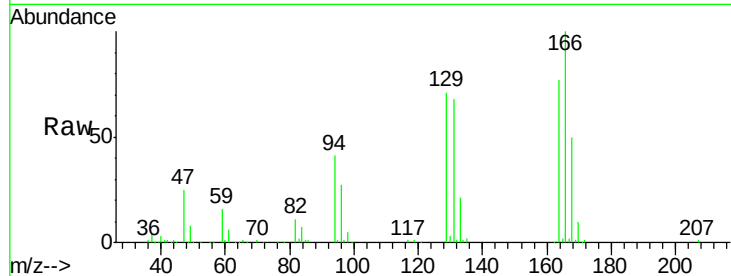
ClientSampleId :

VSTDCCC020EC

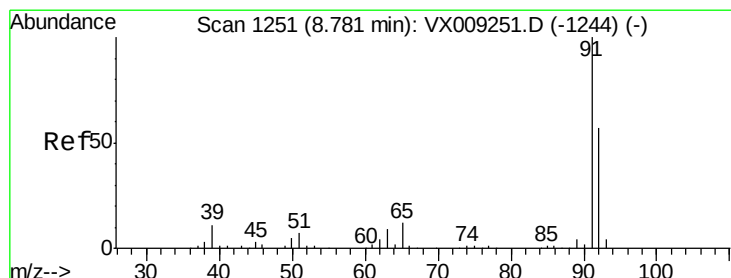
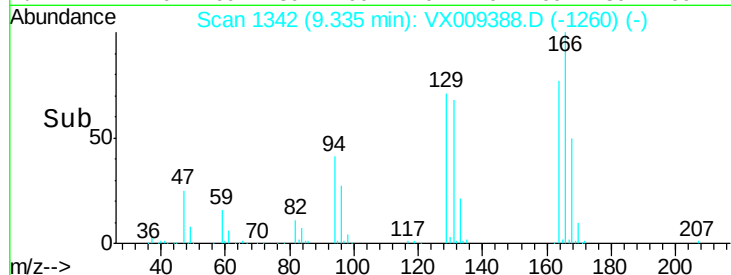
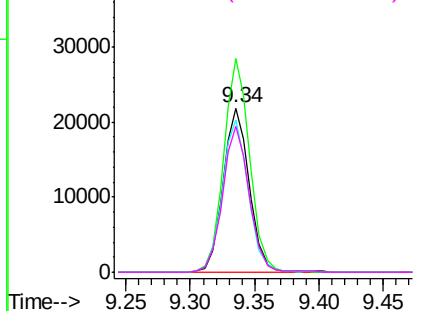
Tot Ion:	164	Resp:	31251
Ion	Ratio	Lower	Upper
164	100		
166	130.2	104.1	156.1
129	92.6	76.0	114.0
131	88.9	70.1	105.1

Manual Integrations
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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: 19.456 ug/l

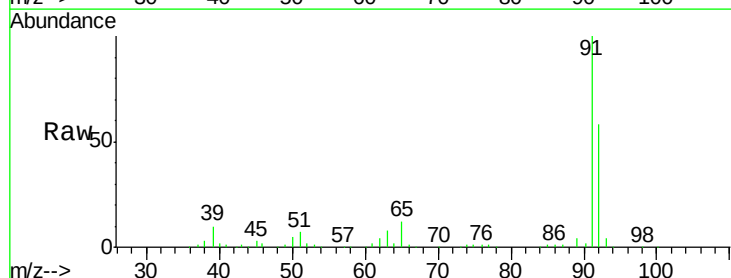
RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

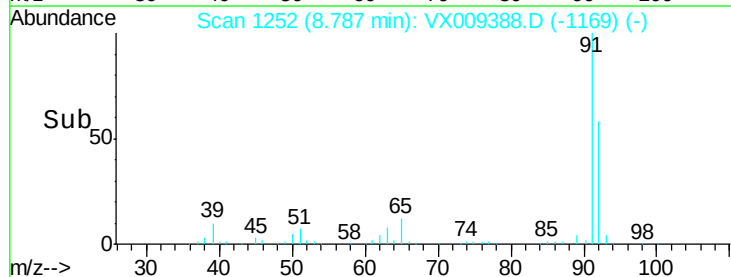
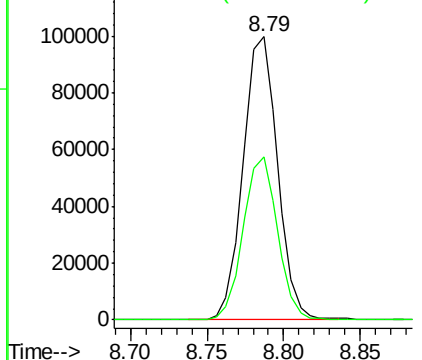
Lab File: VX009388.D

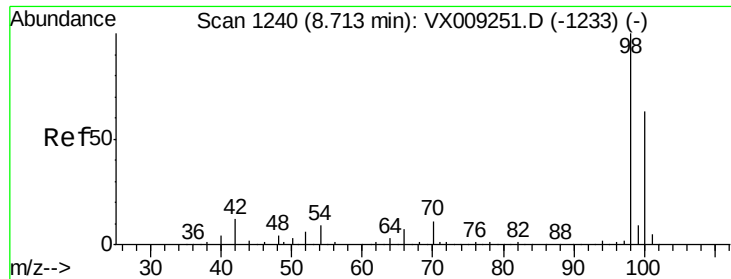
Acq: 07 May 2019 19:39

Tgt Ion:	91	Resp:	156127
Ion	Ratio	Lower	Upper
91	100		
92	57.3	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: 29.762 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion: 98 Resp: 211897

Ion Ratio Lower Upper

98 100

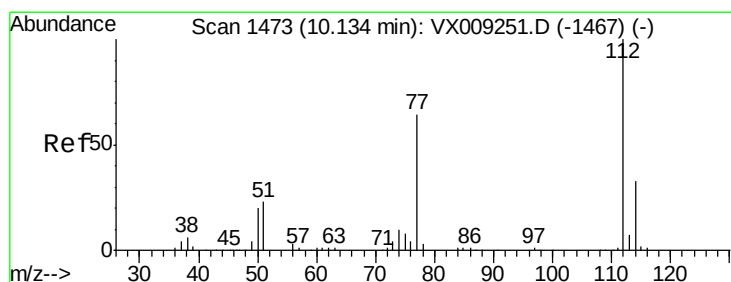
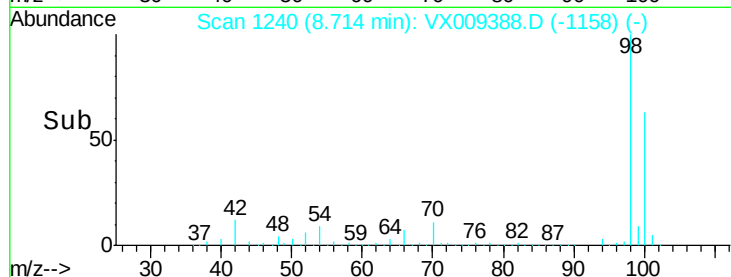
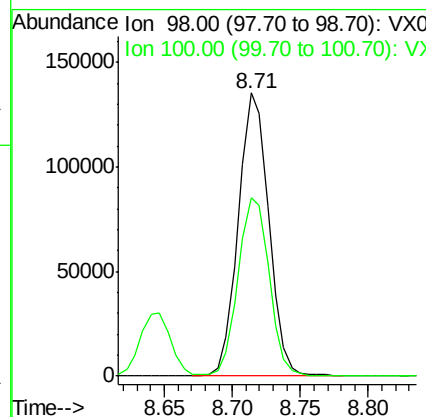
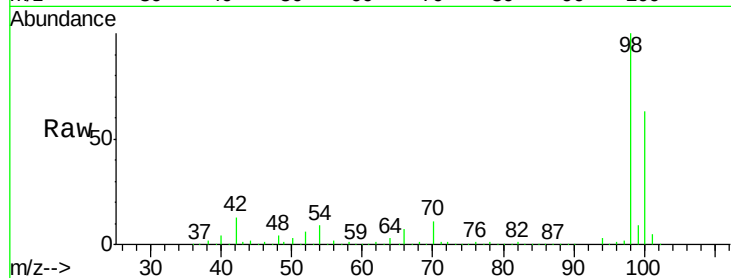
100 63.8 52.3 78.5

Manual Integrations

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#64

Chlorobenzene

Concen: 19.292 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009388.D

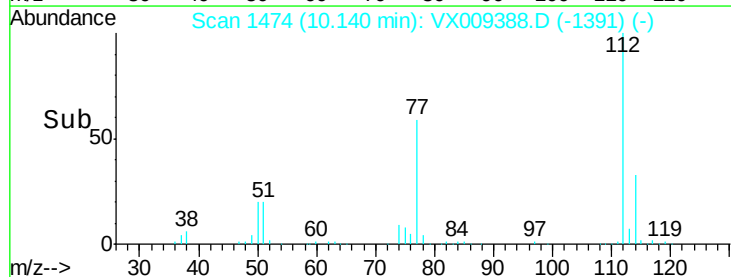
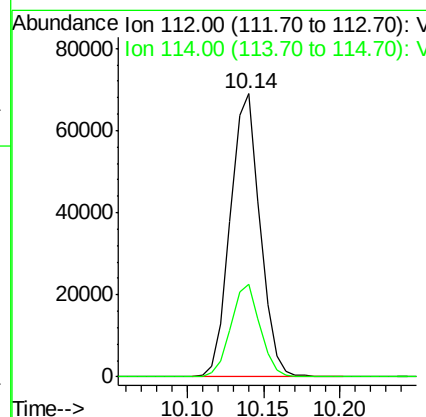
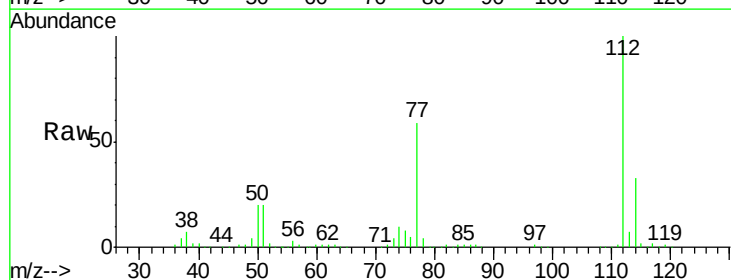
Acq: 07 May 2019 19:39

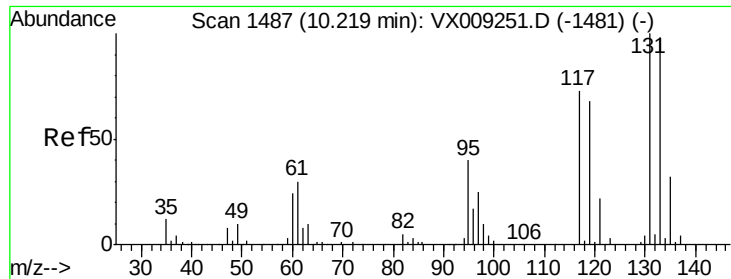
Tgt Ion: 112 Resp: 93168

Ion Ratio Lower Upper

112 100

114 32.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.737 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

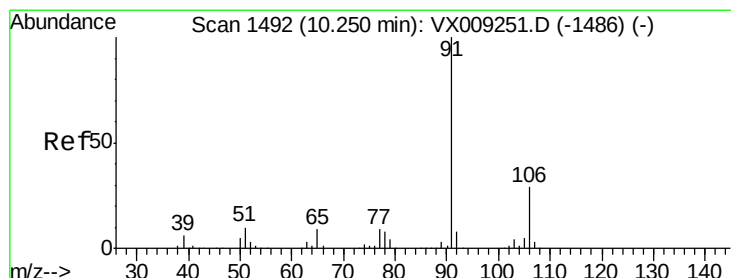
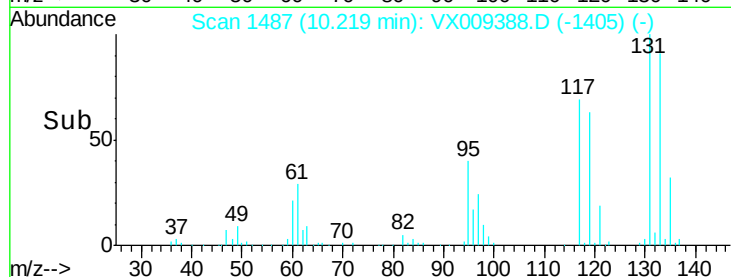
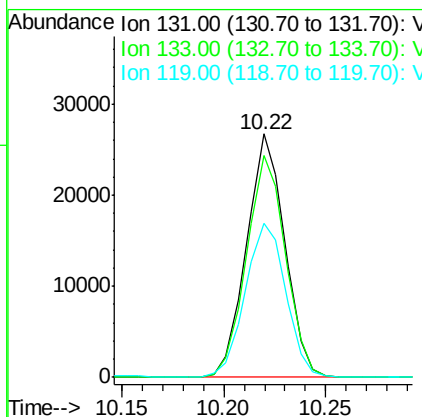
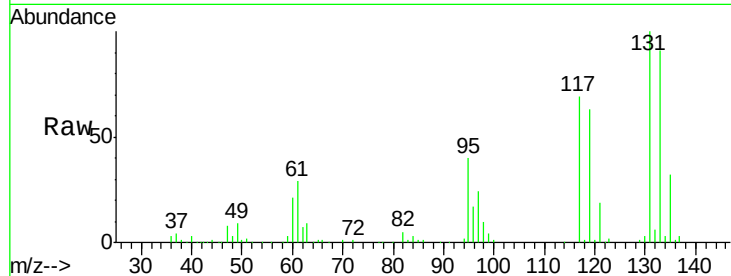
ClientSampled :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.4	0.0	191.2
119	67.2	0.0	135.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.106 ug/l

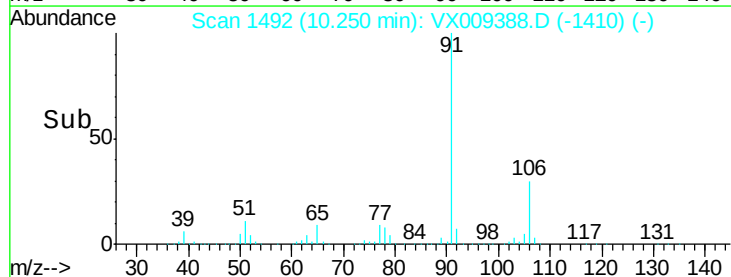
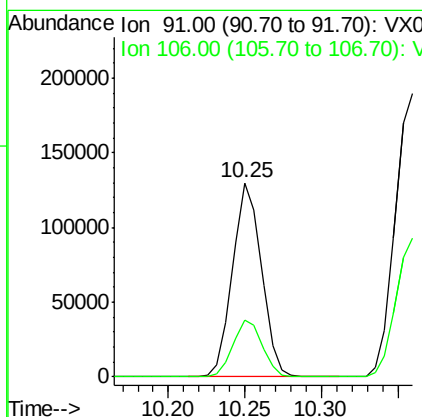
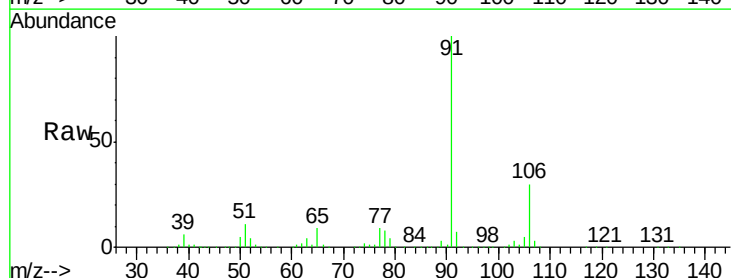
RT: 10.25 min Scan# 1492

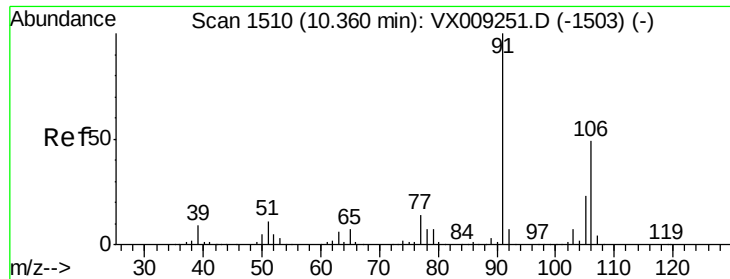
Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.5	35.3





#67

m/p-Xylenes

Concen: 37.691 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 123019

Ion Ratio Lower Upper

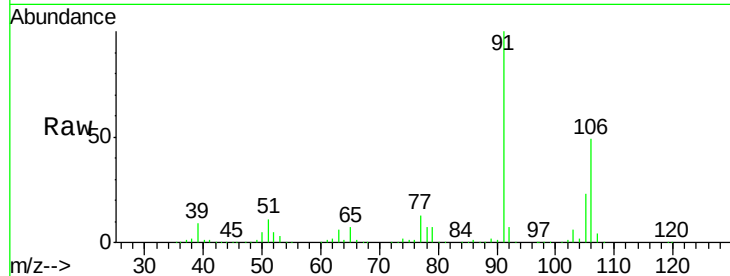
106 100

91 209.5 166.8 250.2

Manual Integrations
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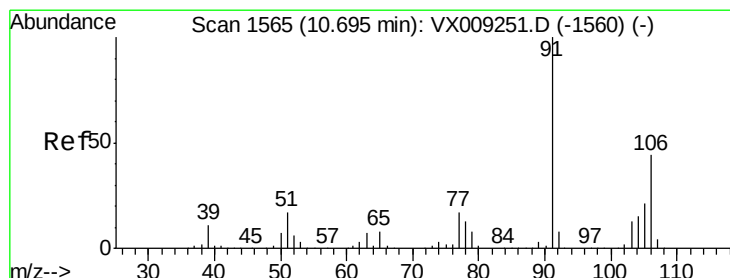
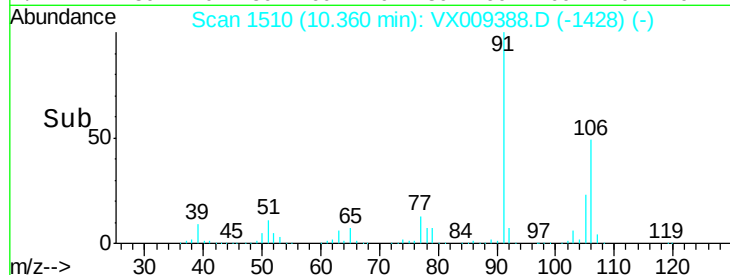
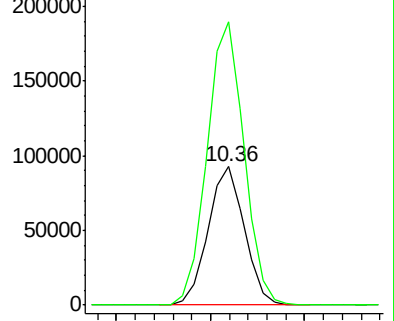
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 19.412 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX009388.D

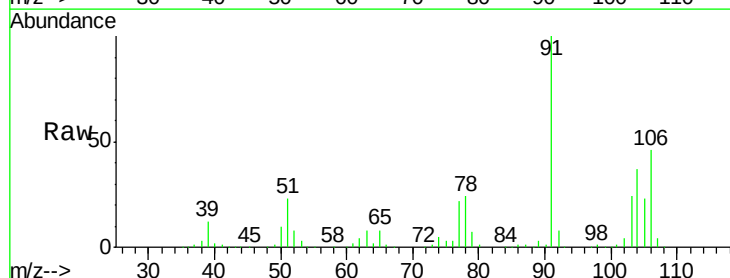
Acq: 07 May 2019 19:39

Tgt Ion:106 Resp: 62300

Ion Ratio Lower Upper

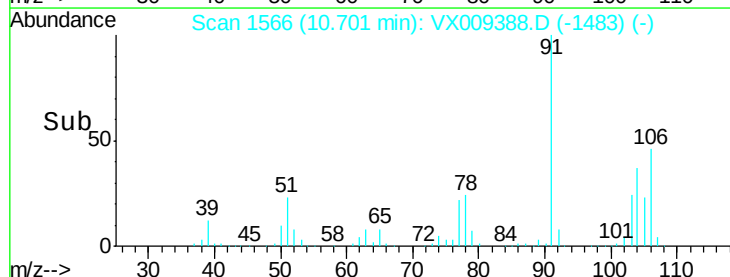
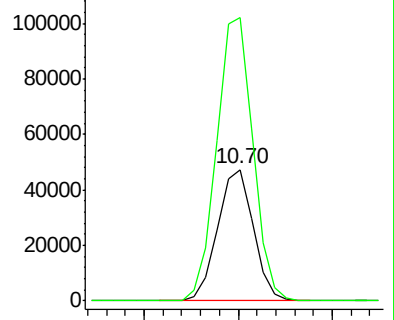
106 100

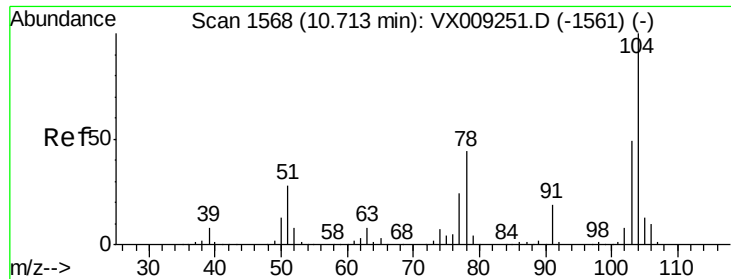
91 218.4 110.8 332.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





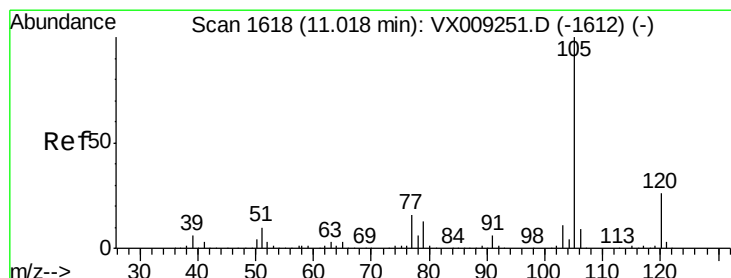
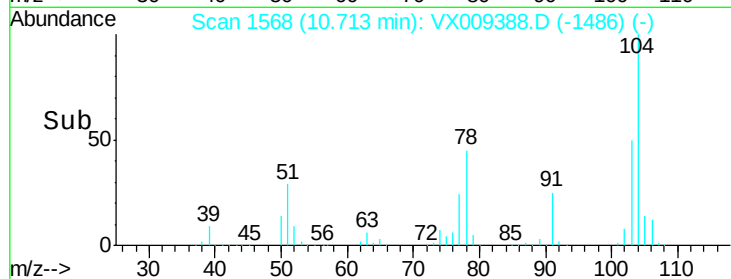
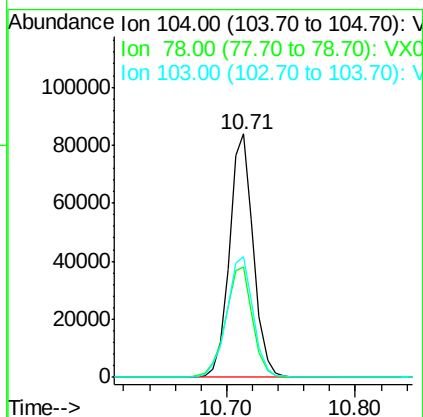
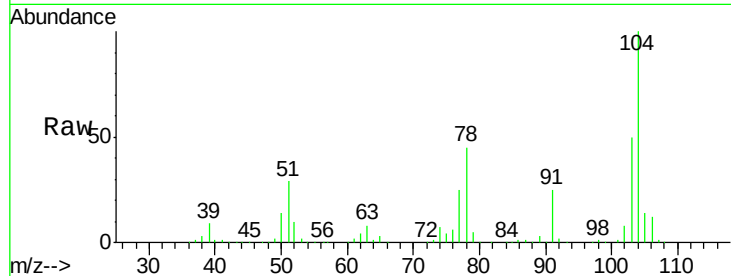
#69
Stvrene
Concen: 19.346 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.1	61.7
103	54.9	43.8	65.8

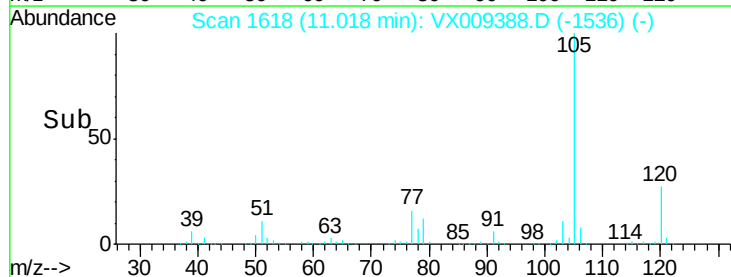
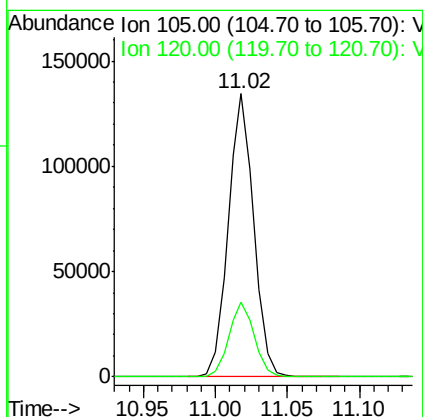
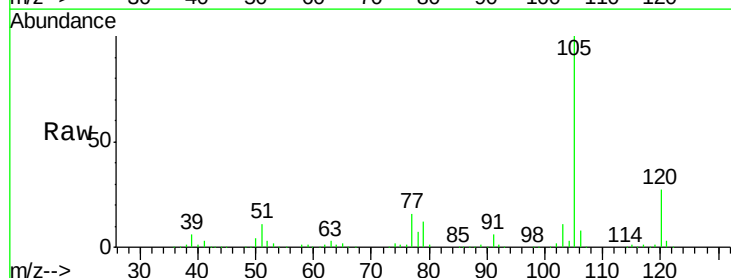
Manual Integrations
APPROVED

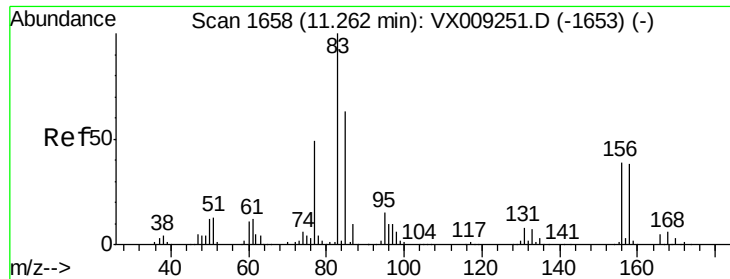
MMDadoda
5/8/2019 10:40:52 AM



#70
Isopropylbenzene
Concen: 19.312 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.1	33.7





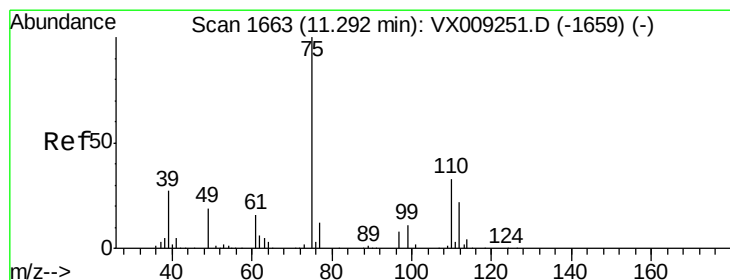
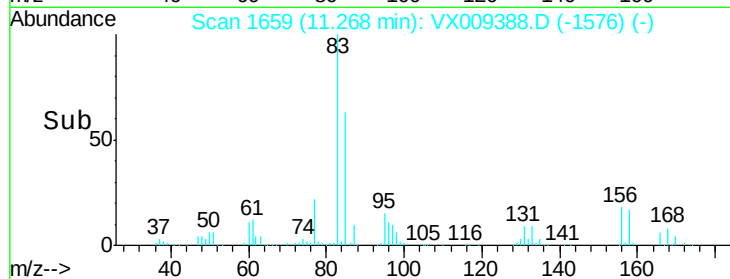
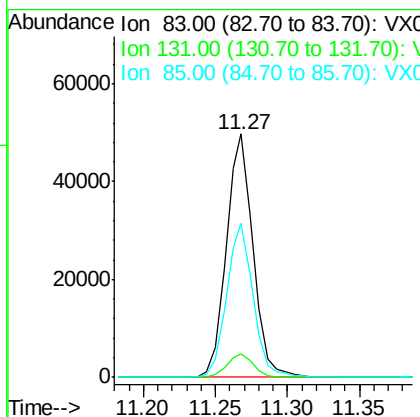
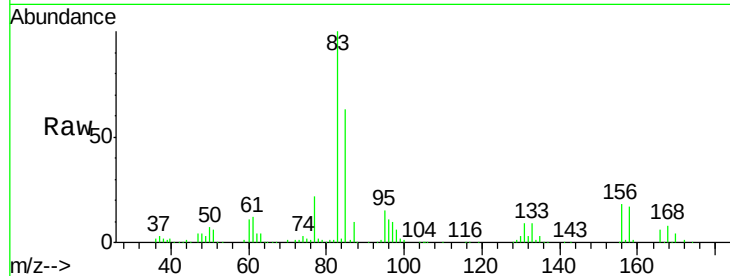
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.498 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.7	14.0	
85	63.0	32.4	97.2	

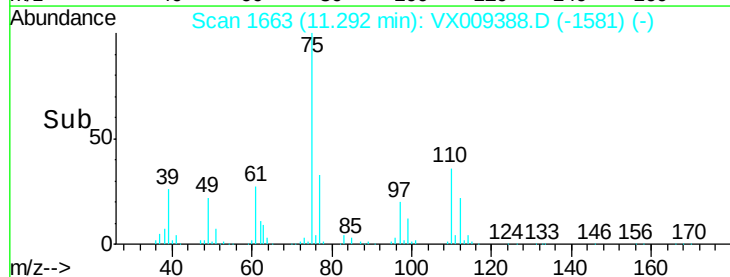
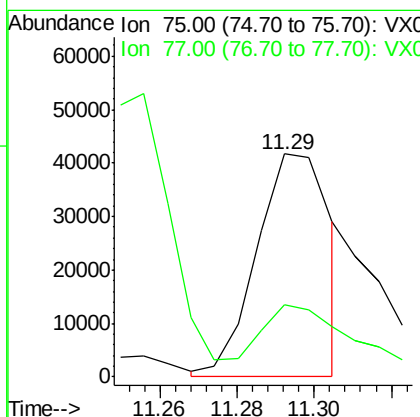
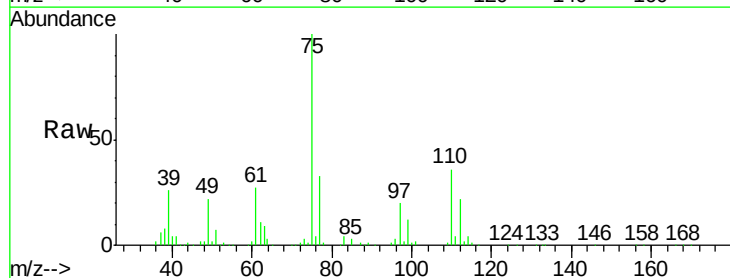
Manual Integrations
 APPROVED

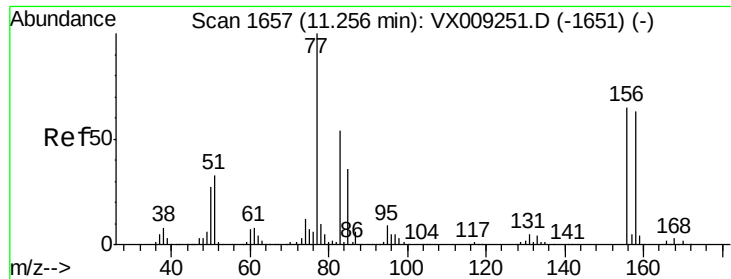
MMDadoda
 5/8/2019 10:40:52 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.304 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	42.4	0.0	86.4	





#73

Bromobenzene

Concen: 19.366 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion:156 Resp: 41298

Ion Ratio Lower Upper

156 100

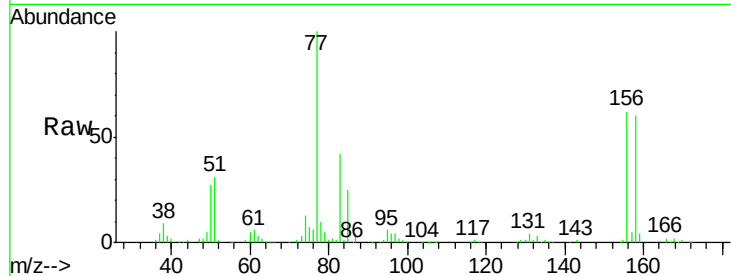
77 168.5 0.0 335.6

158 95.7 0.0 191.2

Manual Integrations
APPROVED

MMDadoda

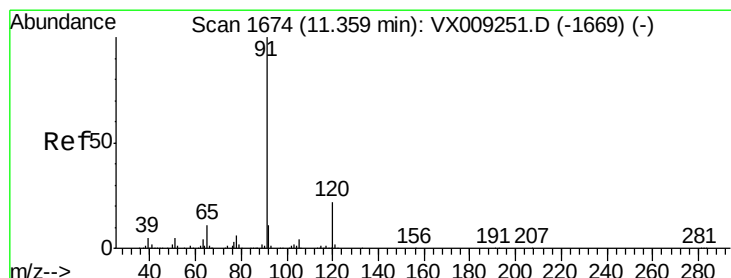
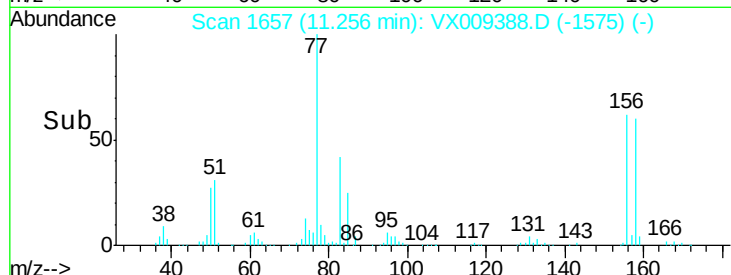
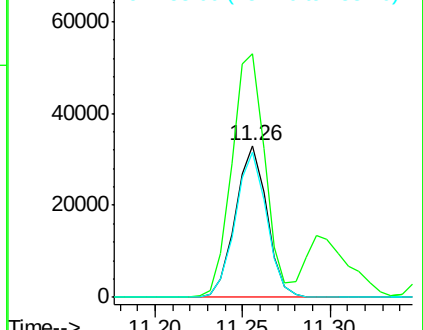
5/8/2019 10:40:52 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.759 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009388.D

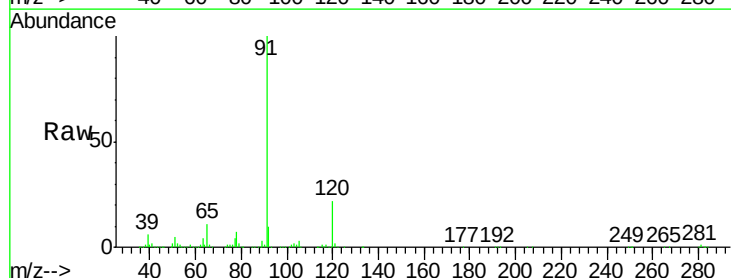
Acq: 07 May 2019 19:39

Tgt Ion: 91 Resp: 187622

Ion Ratio Lower Upper

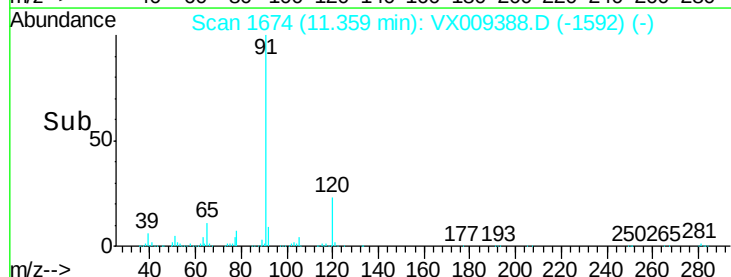
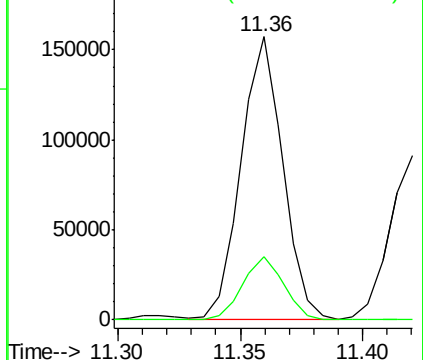
91 100

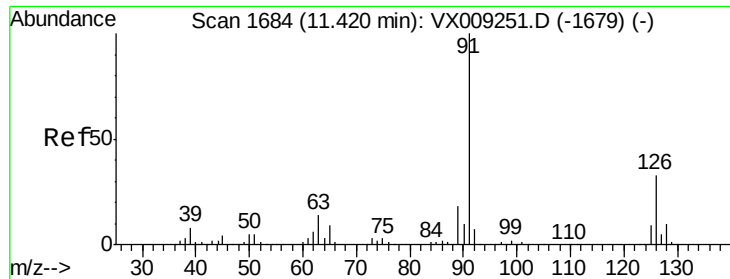
120 22.1 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.132 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 114777

Ion Ratio Lower Upper

91 100

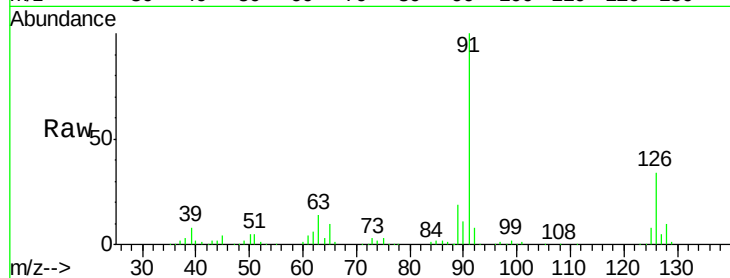
126 32.8 0.0 64.0

Manual Integrations

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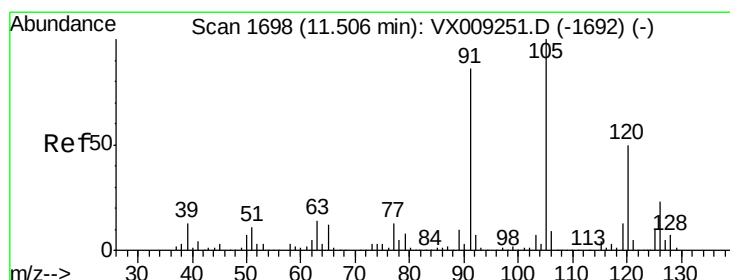
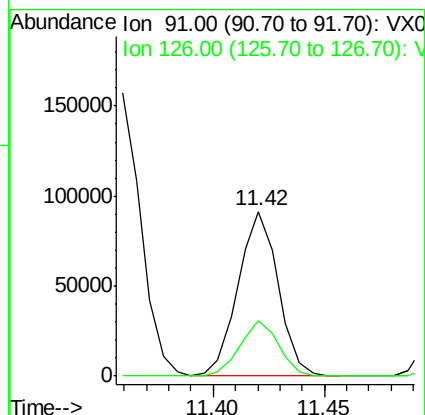
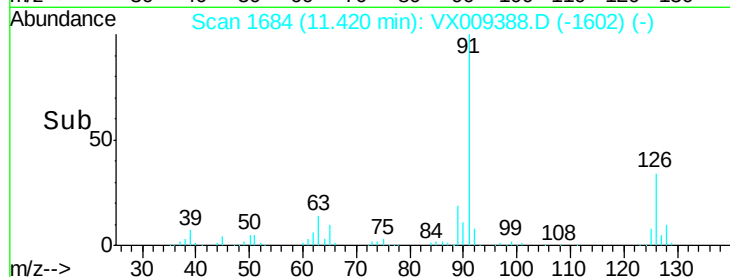
MMDadoda

5/8/2019 10:40:52 AM



Abundance Ion 91.00 (90.70 to 91.70): VX009388.D (-1602) (-)

Ion 126.00 (125.70 to 126.70): VX009388.D (-1602) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.052 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009388.D

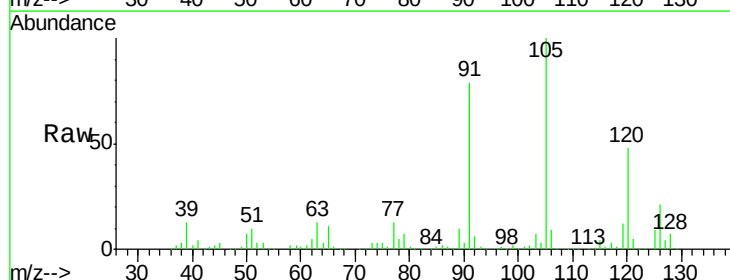
Acq: 07 May 2019 19:39

Tgt Ion: 105 Resp: 139294

Ion Ratio Lower Upper

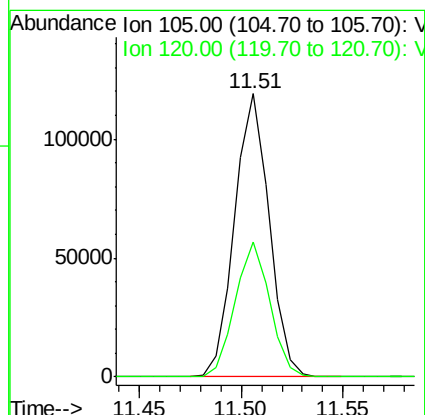
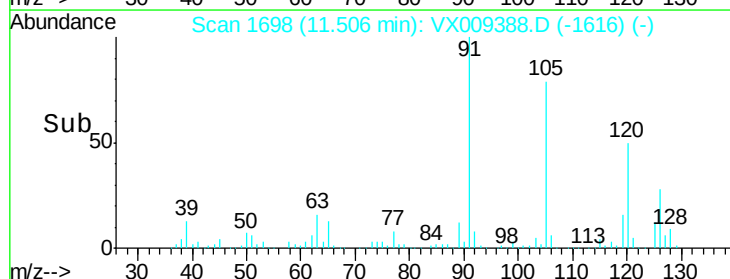
105 100

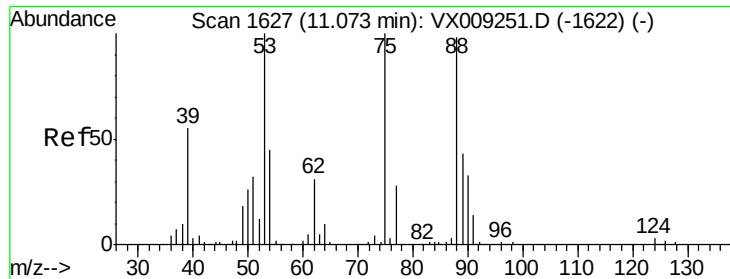
120 47.6 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VX009388.D (-1616) (-)

Ion 120.00 (119.70 to 120.70): VX009388.D (-1616) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.433 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

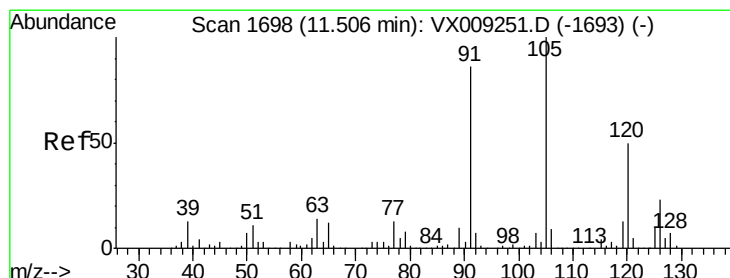
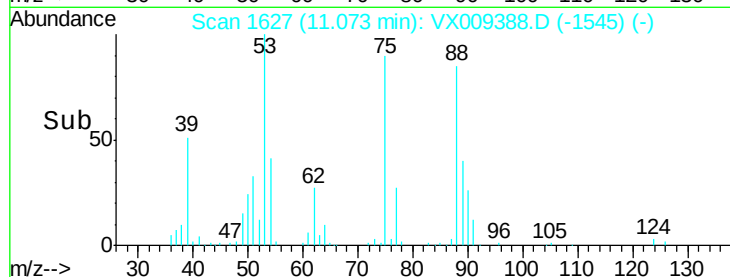
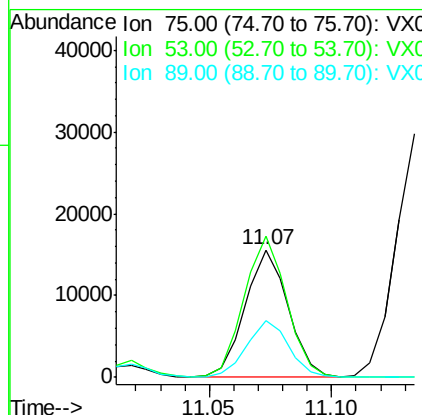
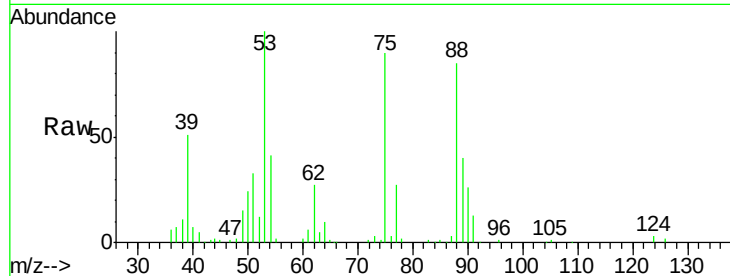
ClientSampled :

VSTDCCC020EC

Tot Ion:	75	Resp:	19155
Ion	Ratio	Lower	Upper
75	100		
53	111.1	50.0	149.8
89	44.3	21.6	65.0

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#78

4-Chlorotoluene

Concen: 18.741 ug/l

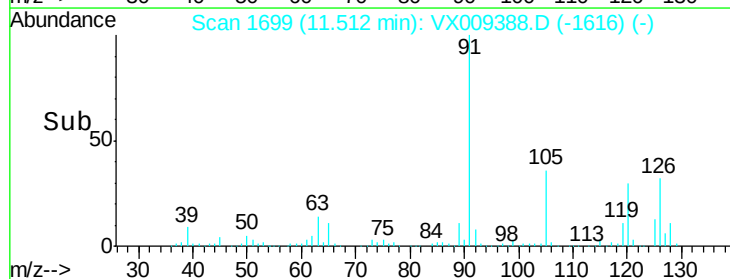
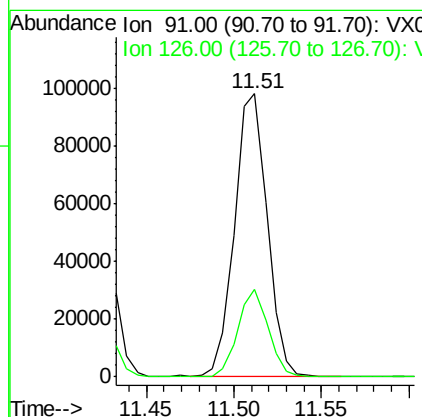
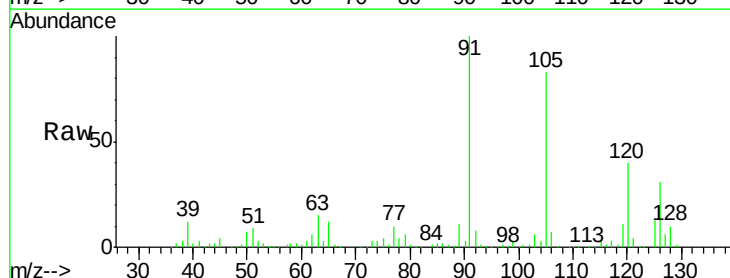
RT: 11.51 min Scan# 1699

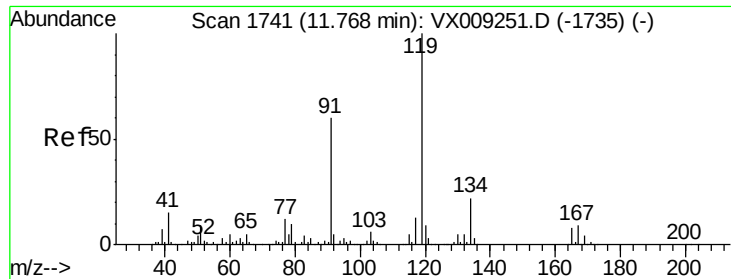
Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	91	Resp:	127694
Ion	Ratio	Lower	Upper
91	100		
126	29.0	0.0	57.0





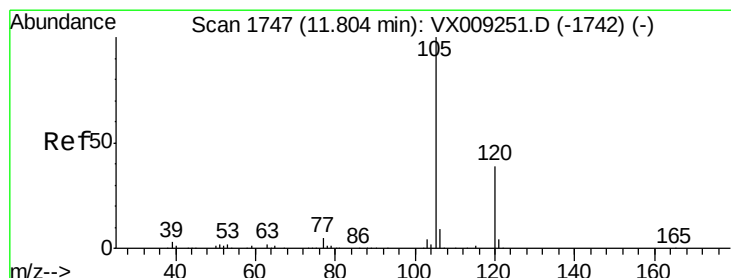
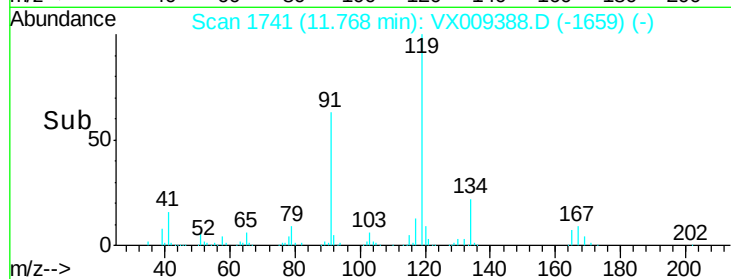
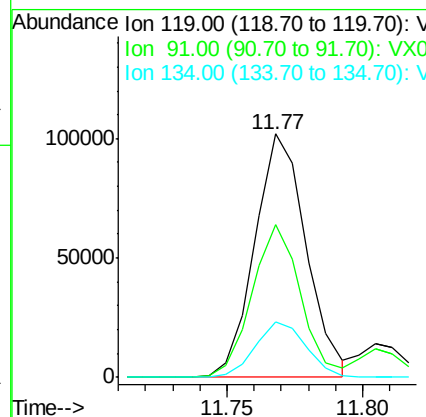
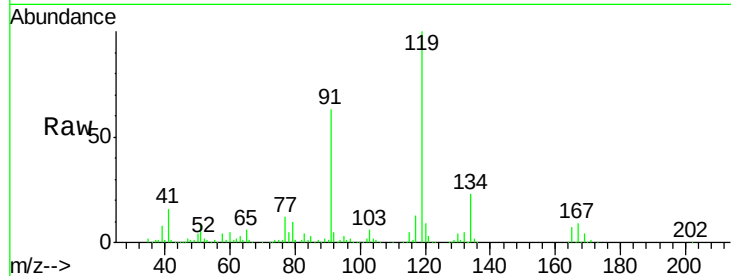
#79
tert-butylbenzene
Concen: 18.890 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	133511		
91	59.3	0.0	118.2	
134	22.7	0.0	45.0	

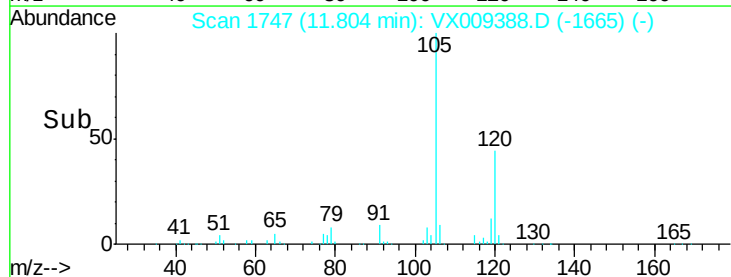
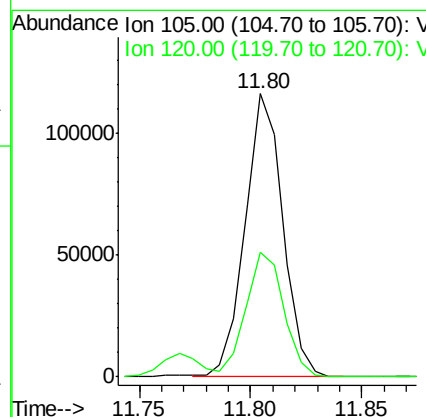
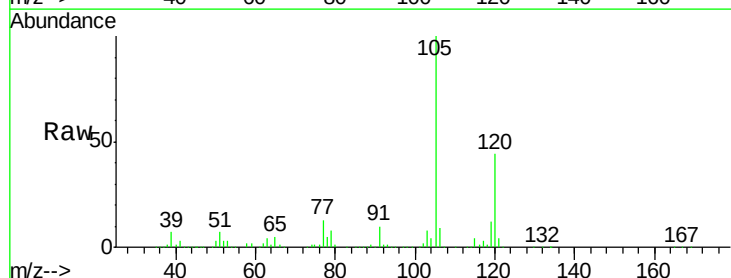
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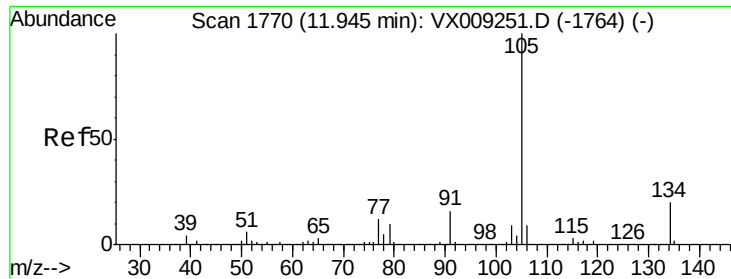
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#80
1,2,4-Trimethylbenzene
Concen: 18.742 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX009388.D
Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137337		
120	44.5	0.0	89.6	





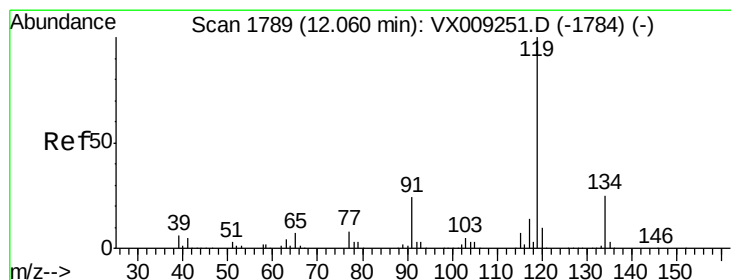
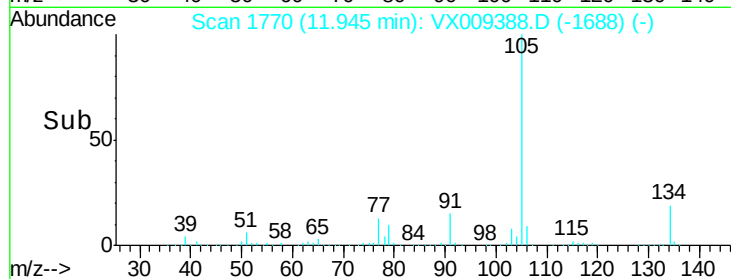
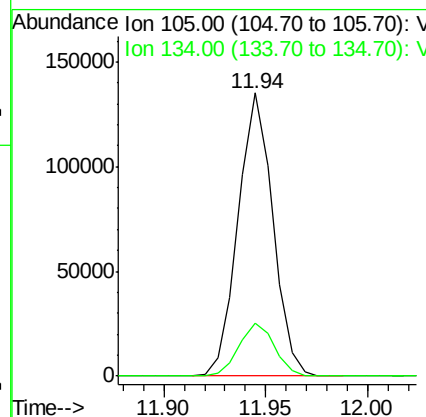
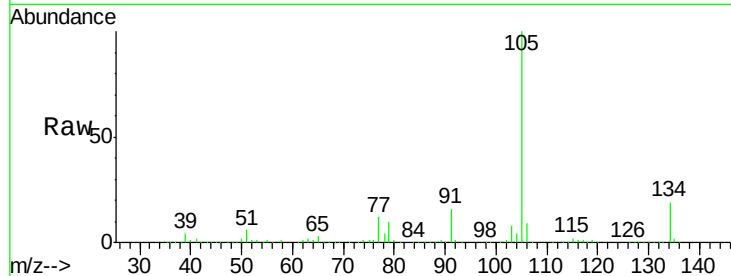
#81
 sec-Butylbenzene
 Concen: 18.947 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	0.0	38.6

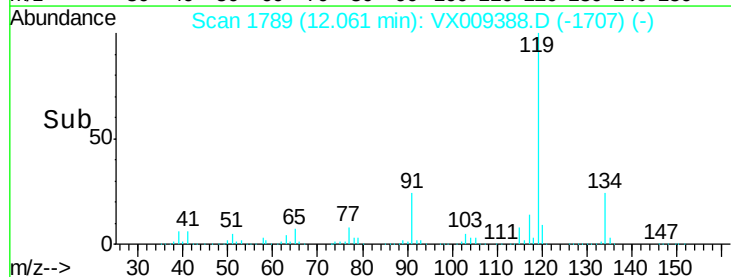
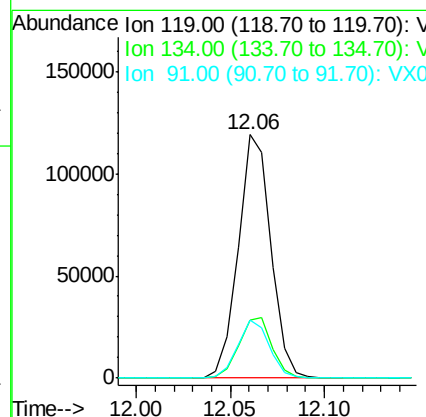
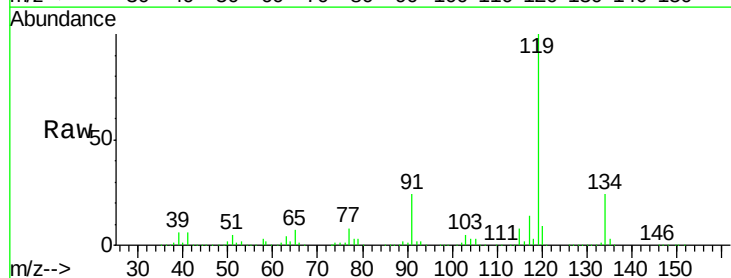
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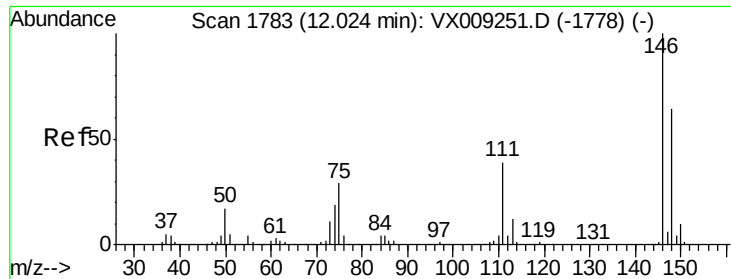
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#82
 p-Isopropyltoluene
 Concen: 18.605 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	0.0	50.8
91	23.4	0.0	47.2





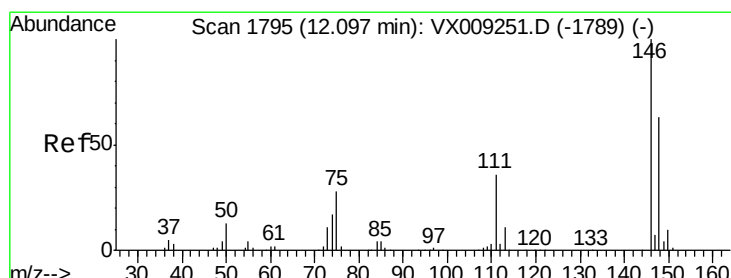
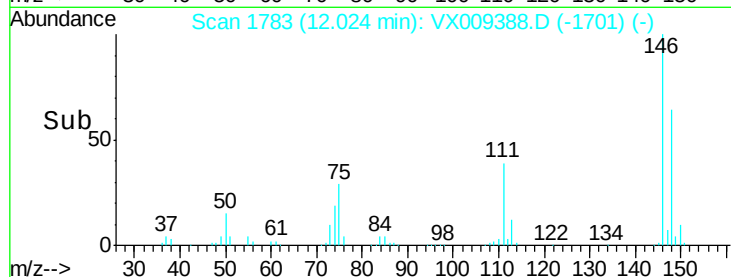
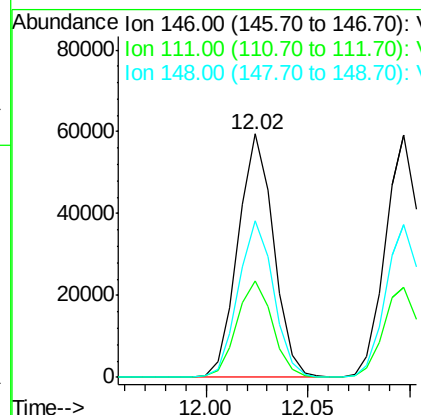
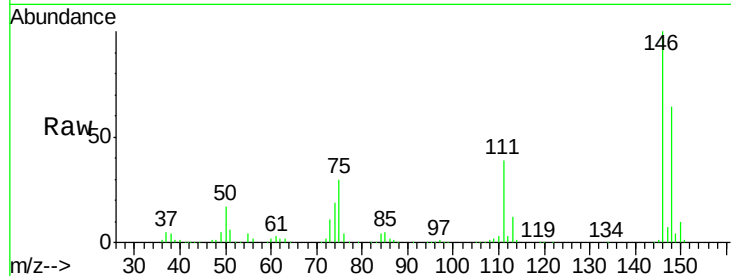
#83
 1,3-Dichlorobenzene
 Concen: 18.880 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.8	32.2	96.6

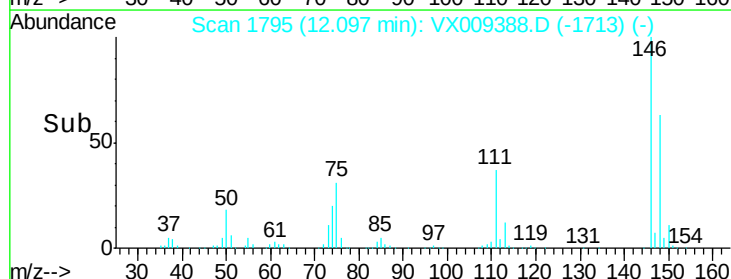
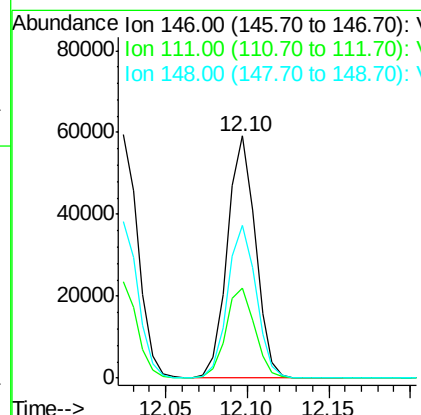
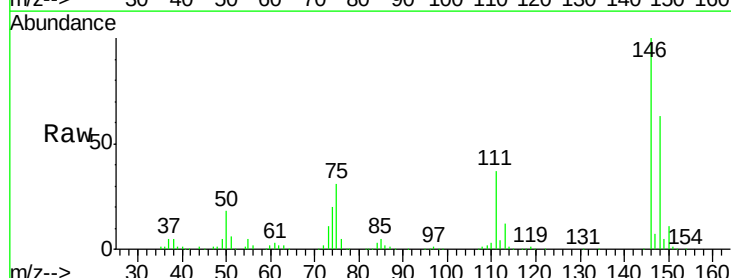
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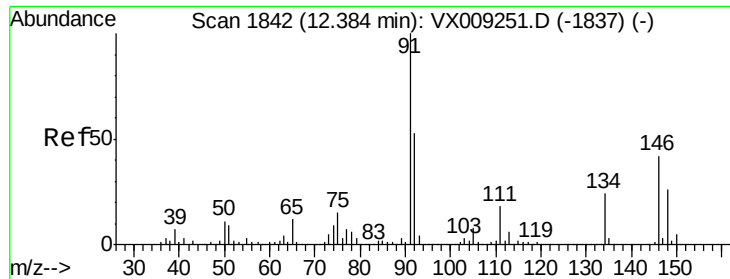
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#84
 1,4-Dichlorobenzene
 Concen: 18.775 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	63.8	32.3	96.8





#85

n-Butylbenzene

Concen: 17.664 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

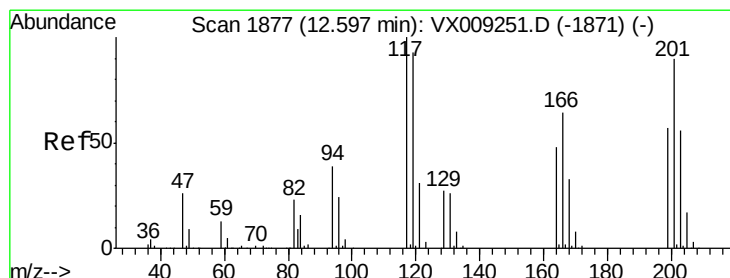
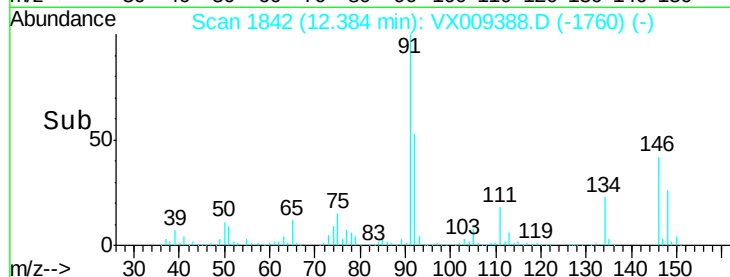
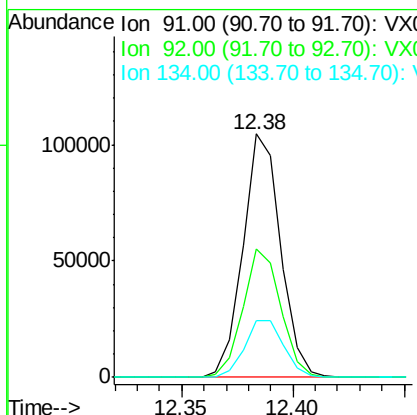
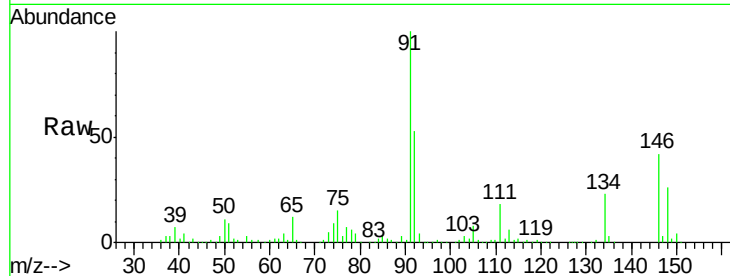
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	123464
Ion Ratio	Lower	Upper	
91	100		
92	53.0	0.0	106.6
134	24.5	0.0	50.0

Manual Integrations
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#86

Hexachloroethane

Concen: 18.408 ug/l

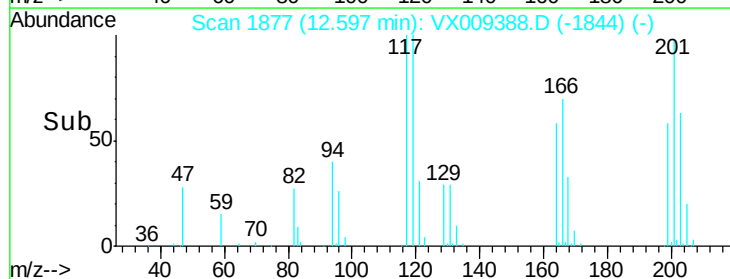
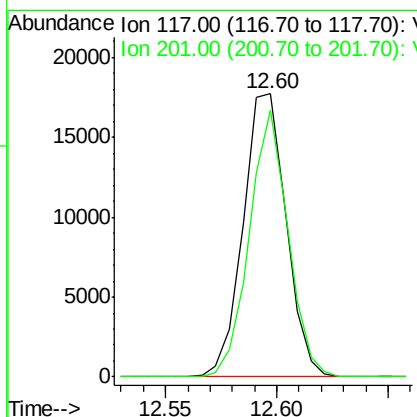
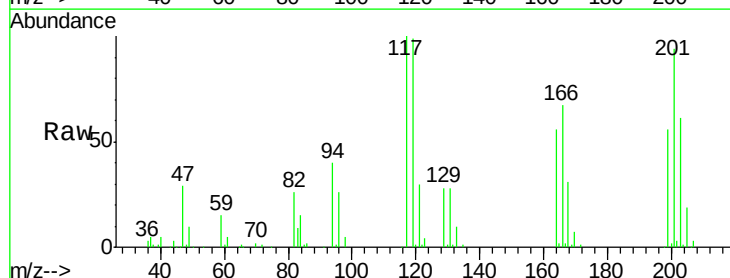
RT: 12.60 min Scan# 1877

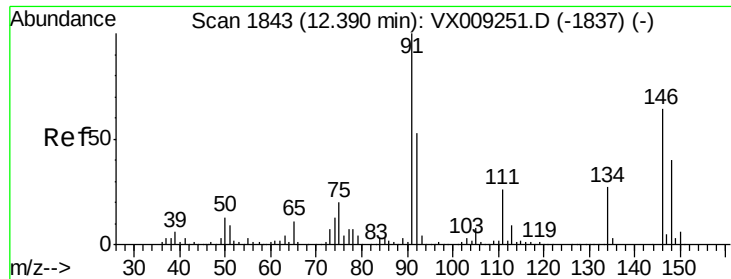
Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	117	Resp:	23927
Ion Ratio	Lower	Upper	
117	100		
201	84.6	41.8	125.4





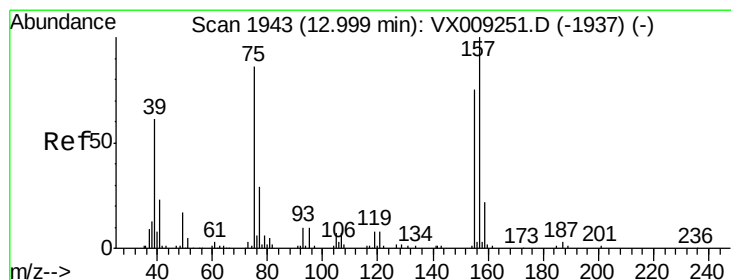
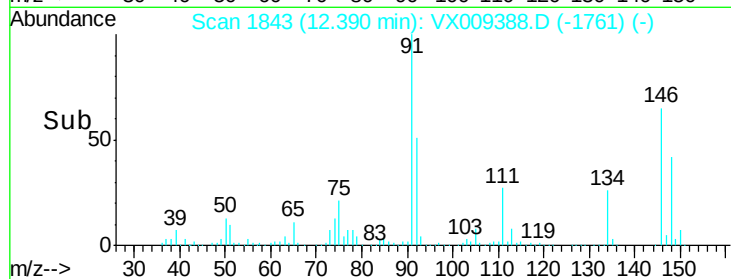
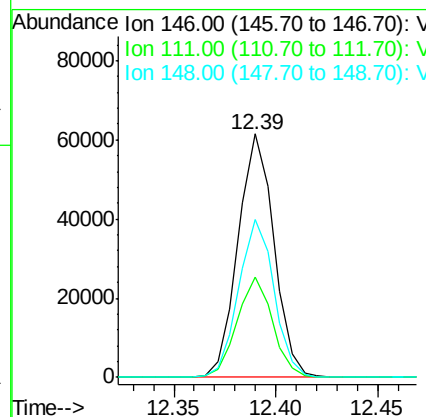
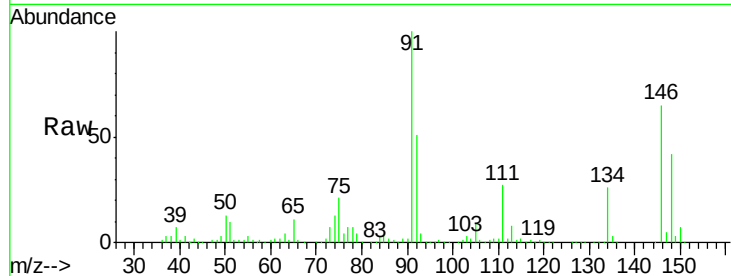
#87
 1,2-Dichlorobenzene
 Concen: 19.416 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.2
148	64.7	31.4	94.3

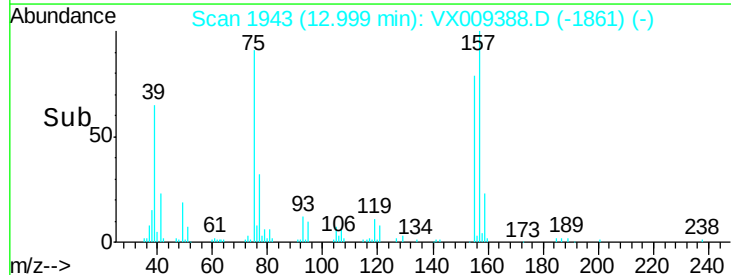
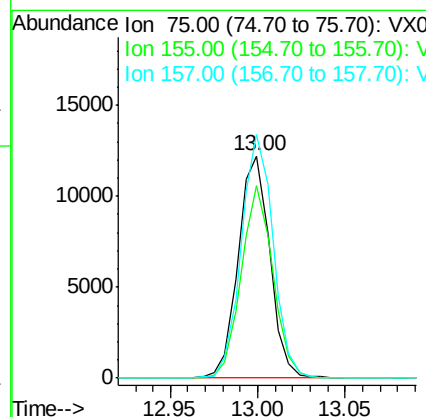
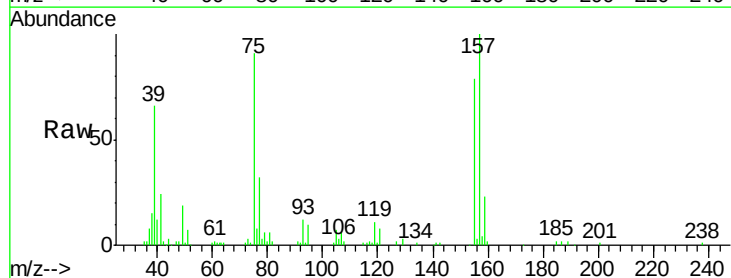
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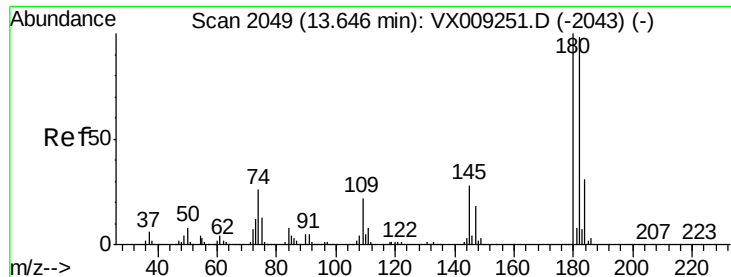
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.960 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	65.9	98.9
157	109.9	85.2	127.8





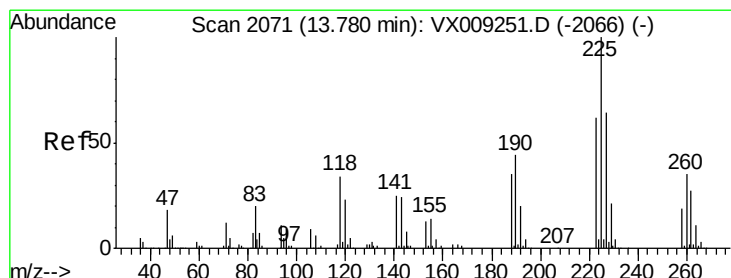
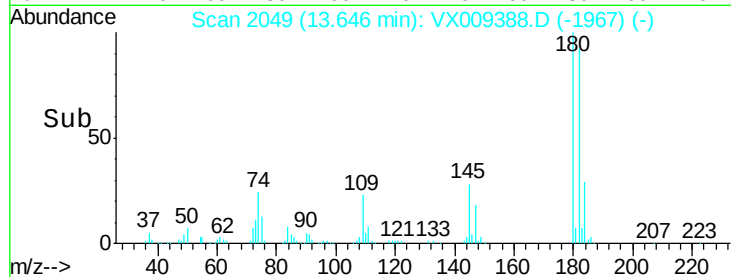
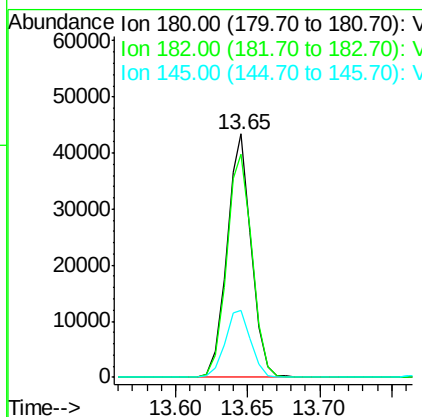
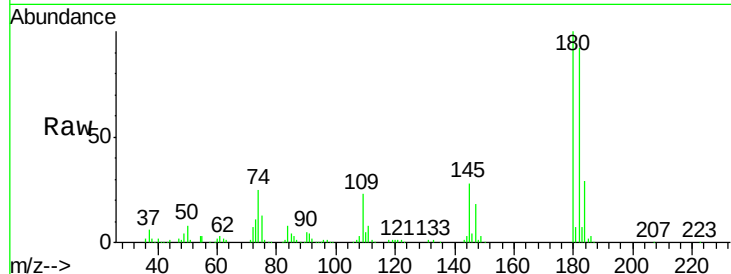
#89
 1,2,4-Trichlorobenzene
 Concen: 18.822 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	29.3	23.0	34.6

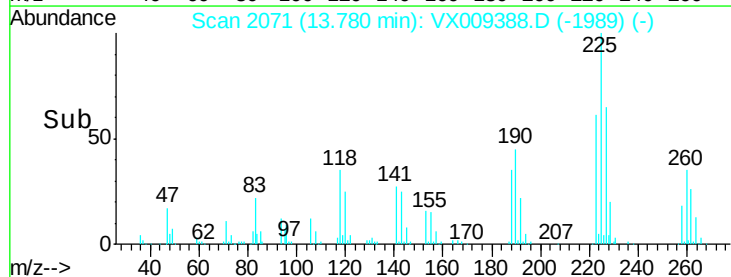
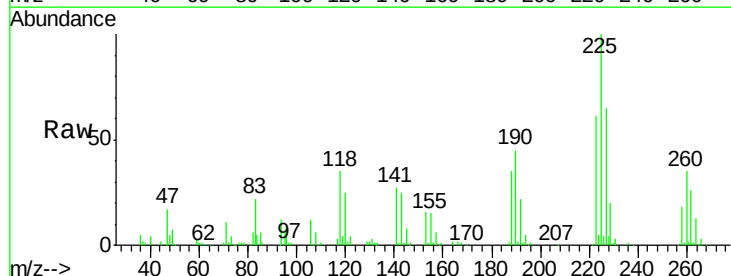
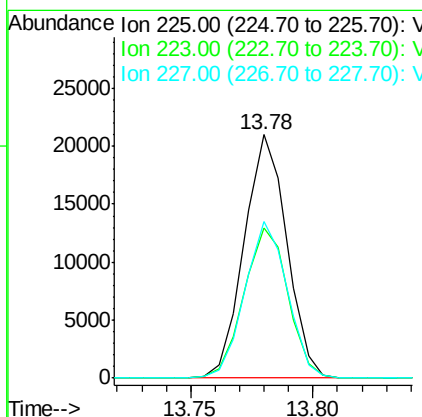
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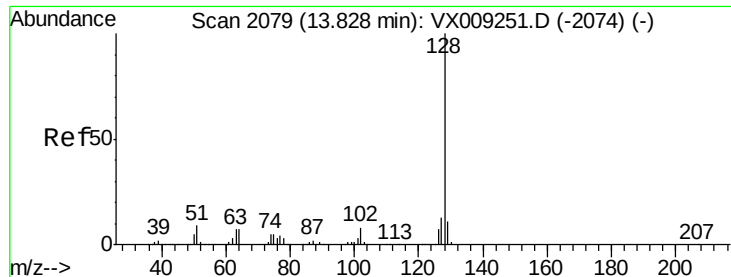
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#90
 Hexachlorobutadiene
 Concen: 18.633 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009388.D
 Acq: 07 May 2019 19:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	0.0	126.6
227	63.8	0.0	130.0





#91

Naphthalene

Concen: 20.348 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Instrument :

MSVOA_X

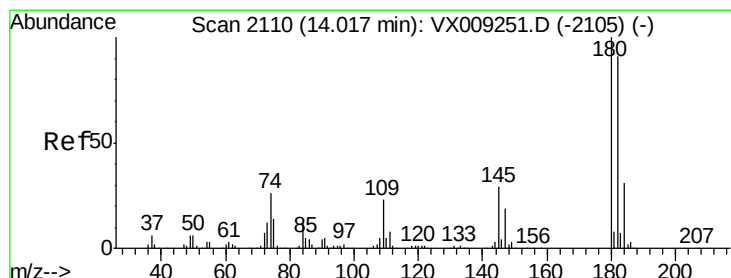
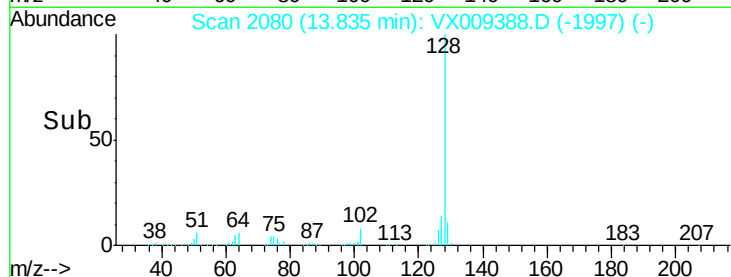
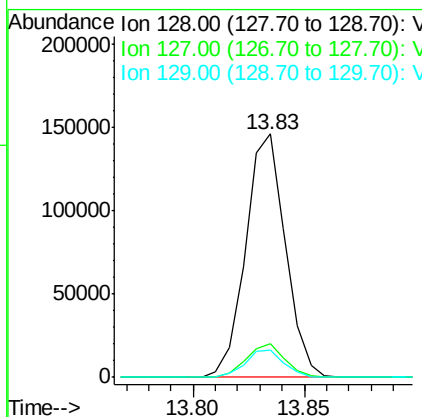
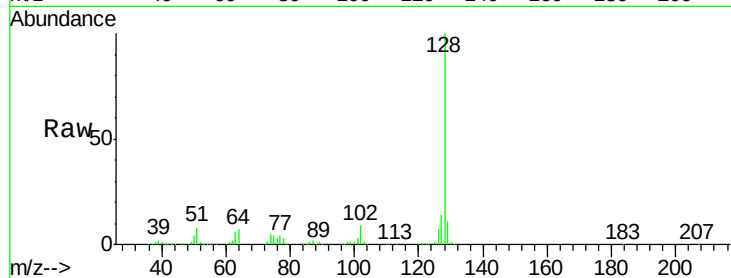
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	182042
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.0	8.7	13.1

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#92

1,2,3-Trichlorobenzene

Concen: 19.430 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX009388.D

Acq: 07 May 2019 19:39

Tgt Ion:	180	Resp:	53969
Ion Ratio	Lower	Upper	
180	100		
182	95.9	0.0	189.0
145	30.8	0.0	61.6

